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SUBJECT INDEX

A-23187

Location and dynamics of ionophore A23187 bound to unilamellar vesicles of dimyristoylphosphatidylcholine. Kauffman RF, et al. **Biochemistry** 1983 Aug 2; 22(16):3985-92

CHEMICAL SYNTHESIS

Semisynthesis of A23187 (calcimycin) analogs. II. Introduction of a methyl group on the benzoxazole ring. Prudhomme M, et al. **J Antibiot (Tokyo)** 1984 Jun; 37(6):627-34

PHARMACODYNAMICS

Ionophore A23-187 induces responses to TCGF in mouse lymphocytes. Beretta A, et al. ***Ann Immunol (Paris)*** *1984* May-Jun;135C(3):365-73

Differential activation of membrane phospholipid turnover by compound 48/80 and ionophore A23187 in rat mast cells. Imai A, et al. **Arch Biochem Biophys** 1984 Jul; 232(1):259-68

The effects of ATP depletion and ionophore A23187 on calcium transport in the secretory rat enamel organ. Vicars TM, et al. **Arch Oral Biol** 1983;28(6):513-6

Steroidogenic properties of phorbol ester and a Ca2+ ionophore in bovine adrenocortical cell suspensions. Culty M, et al. **Biochem Biophys Res Commun** 1984 Jun 15; *121(2)*:499-506

Synergistic activation of rat hepatocyte glycogen phosphorylase by A23187 and phorbol ester. Fain JN, et al. **Biochem Biophys Res Commun** 1984 Feb 29;119(1):88-94

Aldosterone secretion: effect of phorbol ester and A23187. Kojima I, et al. **Biochem Biophys Res Commun** 1983 Oct 31;116(2):555-62

Superoxide release by neutrophils: synergistic effects of a phorbol ester and a calcium ionophore. Robinson JM, et al. **Biochem Biophys Res Commun** 1984 Jul 31;122(2):734-9

Ca2+-dependent stimulation of hexose transport by A23187, 12-O-tetradecanoylphorbol-13-acetate and epidermal growth factor in mouse fibroblasts. Yamanishi K, et al. ***Biochem Biophys Res Commun*** *1983 Dec 16;117(2):637-42*

Insulin secretion: combined effects of phorbol ester and A23187. Zawalich W, et al. ***Biochem Biophys Res Commun*** *1983 Dec 16;117(2):448-55*

Mechanism of activation of pyruvate dehydrogenase by mitogens in pig lymphocytes. Baumgarten E, et al. ***Biochem J*** *1983 Nov 15;216(2):359-67*

Effects of adrenergic agents, vasopressin and ionophore A23187, on the phosphorylation of, and flux through, phenylalanine hydroxylase in rat liver cells. Fisher MJ, et al. **Biochem J** 1984 Apr 1;219(1):87-90

Glycogenolytic effects of the calcium ionophore A23187, but not of vasopressin or angiotensin, in foetal-rat hepatocytes. Freemark M, et al. **Biochem J** 1984 Jun 1;220(2):441-5

Activation of human platelet phospholipase C by ionophore A23187 is totally dependent upon cyclo-oxygenase products and ADP. Rittenhouse SE. **Biochem J** 1984 Aug 15;222(1):103-10

Erythrocyte membrane in protein-energy malnutrition: A23187-induced changes in osmotic fragility of human and rat erythrocytes. Kaplay SS. **Biochem Med** 1984 Jun; 31(3):371-7

The effect of ribose and purine modified adenosine analogues on the secretion of histamine from rat mast cells induced by ionophore A23187. Burt DS, et al. ***Biochem Pharmacol*** *1983 Sep 15;32(18):2729-32*

Inhibition of the A-23187-stimulated leukotriene and prostaglandin biosynthesis of rat basophil leukemia *(RBL-1) cells by nonsteroidal anti-inflammatory drugs,* antioxidants, and calcium channel blockers. Levine L. **Biochem Pharmacol** 1983 Oct 15;32(20):3023-6

Ca2+-dependent conversion of phosphatidylinositol to phosphatidate in neutrophils stimulated with fMet-Leu-Phe or ionophore A23187. Cockcroft S. ***Biochim Biophys Acta*** 1984 Aug 15;795(1):37-46

Regulation of arachidonic acid metabolism in Madin-Darby canine kidney cells. Comparison of A23187 and 12-O-tetradecanoyl-phorbol-13-acetate. Daniel LW, et al. **Biochim Biophys Acta** 1984 Jan 17;792(1):33-8

Irreversible ATP depletion caused by low concentrations of formaldehyde and of calcium-chelator esters in intact human red cells. Tiffert T, et al. **Biochim Biophys Acta** 1984 Jun 13;773(1):143-56

Hypoxia potentiates killing of hepatocyte monolayers by leukotrienes, hydroperoxyeicosatetraenoic acids, or calcium ionophore A23187. Trudell JR, et al. **Biochim Biophys Acta** 1984 Apr 16;803(4):338-41

Trans to cis proton concentration gradients accelerate ionophore A23187-mediated net fluxes of Ca2+ across the human red cell membrane. Vestergaard-Bogind B, et al. ***Biochim Biophys Acta*** *1984 Sep 5;775(3):328-40*

Hydrosmotic effect of vasopressin in frog skin of Rana esculenta: effect of calcium ionophore A23187. Svelto M, *et al.* ***Boll Soc Ital Biol Sper*** *1984 May 30;60 Suppl 4:201-5*

Loss of receptor-mediated 86Rb efflux from pig aortic endothelial cells in culture. Ager A, et al. ***Br J Pharmacol*** *1983 Sep;80(1):5-6*

Lanthanides are transported by ionophore A23187 and mimic calcium in the histamine secretion process. Amellal M, et al. **Br J Pharmacol** 1983 Oct;80(2):365-70

Modification of endorphin/enkephalin analgesia and stress-induced analgesia by divalent cations, a cation chelator and an ionophore. Chapman DB, et al. ***Br J Pharmacol*** *1982 Feb;75(2):389-96*

Calcium ionophore A-23187 and 12-O-tetradecanoyl-phorbol-13-acetate stimulation of *prostaglandin synthesis in herpes simplex virus type* 2-transformed rat cells. Kucera LS, et al. **Cancer Res** 1984 Apr;44(4):1625-9

Fusion of intracellular membrane pools with cell surfaces of macrophages stimulated by phorbol esters and calcium ionophores. Buys SS, et al. **Cell** 1984 Sep;38(2):569-76

Effects of ionophore A23187 and Ba++ ions on labelling of phospholipids in rat pancreatic islets. Best L, et al. **Cell Calcium** 1984 Feb;5(1):65-75

On the mechanism of stimulation of H+ transport in gastric mucosa by Ca++ ionophore A23187. I. Pathways for cytosolic calcium increase. Jirón C, et al. **Cell Calcium** 1983 Oct;4(4):253-66

On the mechanism of stimulation of H+ transport in gastric mucosa by Ca++ ionophore A23187. II. Ca++-cyclic AMP interactions. Ruiz MC, et al. **Cell Calcium** 1983 Oct; 4(4):267-79

Induction of shape transformation in sea urchin coelomocytes by the calcium ionophore A23187. Hyatt HA, et al. ***Cell Motil*** *1984;4(1):57-71*

Contractile and structural reactions to impediments of Ca2+-homeostasis in Physarum polycephalum. *Wohlfarth-Bottermann KE, et al.* ***Cell Struct Funct*** *1983* Sep;8(3):255-65

Cytological effects of ionophore-induced stimulation on the *exocrine pancreas of the rat. Phaneuf S, et al.* **Cell Tissue Res** 1984;235(3):699-701

Secretion of active and inactive renin by rabbit kidney cortex *slices: effects of verapamil, flunarizine and A23187. Ginesi* LM, et al. **Clin Exp Hypertens [A]** 1984;6(7):1331-43

Na+,K+-ATPase activity and responsiveness of vascular *smooth muscle to norepinephrine, angiotensin II and* calcium ionophore A23187 in guinea pig aortic strips. Sekine K, et al. **Clin Exp Hypertens [A]** 1984;6(7):1267-80

Activation of respiration in sea urchin spermatozoa by calcium ionophore A23187. Mita M. **Comp Biochem Physiol [A]** 1984;77(4):689-92

Inhibition of calcium-induced terminal differentiation of epidermal cells by ouabain and A23187. Hennings H, et al. **Curr Probl Dermatol** 1983;11:109-25

Effects of the skin mitogens tumor-promotor 12-O-tetradecanoylphorbol 13-acetate and divalent-cation-ionophore A23187 on ion fluxes and membrane potential in a murine epidermal cell line (HEL30) and in 3T3 fibroblasts. Seemann D, et al. **Eur J Biochem** 1983 Dec 15;137(3):485-94

Consequences of impeding in mitochondrial function in *Physarum polycephalum. I. Reversible effects of anoxia,* KCN, and influences of the Ca2+ ionophore A-23187. Shraideh Z, et al. **Eur J Cell Biol** 1983 Sep;31(2):175-86

Direct mitogenic effect of ionophore A23187 on isolated human T helper lymphocytes. Akerman KE, et al. **Eur J Immunol** 1984 Mar;14(3):286-8

Inhibition of calcium ionophore (A23187)-stimulated histamine release from rat peritoneal mast cells by azelastine: implications for its mode of action. Chand N, *et al.* ***Eur J Pharmacol*** *1983 Dec 23;96(3-4):227-33*

The effect of ionophore A23187 on albumin internalization in cultured human umbilical vein endothelial cells. Alpern DB, *et al.* **Exp Cell Res** 1983 Dec;149(2):555-64

Hypothyroidism abolishes the glycogenolytic effect of vasopressin, angiotensin II and A23187 but not that of alpha 1-adrenergic amines in rat hepatocytes. Corvera S, et al. **FEBS Lett** 1983 Mar 21;153(2):366-8

Synergistic effect of A23187 and a phorbol ester on amylase secretion from rabbit pancreatic acini. de Pont JJ, et al. **FEBS Lett** 1984 May 7;170(1):64-8

Effect of cyclosporin A on lymphocyte activation by the calcium ionophore A23187. Kay JE, et al. **Immunology** 1983 Nov;50(3):441-6

Poly-L-arginine and an N-formylated chemotactic peptide act synergistically with lectins and calcium ionophore to *induce intense chemiluminescence and superoxide* production in human blood leukocytes. Modulation by metabolic inhibitors, sugars, and polyelectrolytes. Ginsburg *I, et al.* ***Inflammation*** *1984 Mar;8(1):1-26 (49 ref.)*

Effect of the calcium ionophore A23187 and aspirin on histamine release in vitro from leukocytes of *aspirin-intolerant donors.* Bochner BS, *et al.* **Int Arch Allergy Appl Immunol** 1984;74(2):104-7

Effect of 15-hydroxyeicosatetraenoic acid (15-HETE) on anti-immunoglobulin E- and calcium ionophore-induced histamine release from human leukocytes. Comparison with the effects of eicosatetraynoic acid and nordihydroguaiaretic acid. Dorsch W, et al. ***Int Arch Allergy Appl Immunol*** *1984;73(3):274-9*

Eosinophil-rich human polymorphonuclear leukocyte preparations characteristically release leukotriene C4 on *ionophore A23187 challenge. Borgeat P, et al.* **J Allergy Clin Immunol** 1984 Sep;74(3 Pt 2):310-5

Differential activation of phosphatidylinositol deacylation *and a pathway via diphosphoinositide in macrophages* responding to zymosan and ionophore A23187. Emilsson A, et al. **J Biol Chem** 1984 Mar 10;259(5):3111-6

Ca2+ ionophores affect phosphoinositide metabolism differently than thyrotropin-releasing hormone in GH3 pituitary cells. Kolesnick RN, et al. **J Biol Chem** 1984 Aug 10;259(15):9514-9

Effects of neutrophil elastase and other proteases on porcine aortic endothelial prostaglandin I2 production, adenine nucleotide release, and responses to vasoactive agents. *LeRoy EC, et al.* ***J Clin Invest*** *1984 Sep;74(3):1003-10*

Defective platelet aggregation to the calcium ionophore A23187 in a patient with a lifelong bleeding disorder. *Machin SJ, et al.* ***J Clin Pathol*** *1983 Oct;36(10):1140-4*

Calcium ultrastructural localization in Xenopus laevis eggs following activation by pricking or by calcium ionophore *A 23187. Andreuccetti P, et al.* **J Exp Zool** *1984 Feb;* 229(2):295-308

Stimulation of phospholipase A2 and secretion of *catecholamines from brain synaptosomes by potassium and* A23187. Bradford PG, et al. **J Neurochem** 1983 Dec; 41(6):1684-93

Inhibition of cellular growth and nutrient transport induced by calcium ionophore A23187 in mastocytoma P-815 cells. Negishi M, et al. **Jpn J Pharmacol** 1983 Aug;33(4):725-34

Varying the duration of A23187 administration alters its effect on adrenal steroidogenesis. Lymangrover JR, et al. **Life Sci** 1984 Jan 23;34(4):371-7

Arachidonic acid release during IgE- and Ca2+ -ionophore activation of rat basophilic leukemia cells. Siraganian RP, et al. **Monogr Allergy** 1983;18:120-3 (9 ref.)

Ca2+ as messenger of 5HT2-receptor stimulation in human blood platelets. Affolter H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Apr; 325(4):337-42

The effect of oxytocin, estrogen, calcium ionophore A23187 and hydrocortisone on prostaglandin F2 alpha and 6-oxo-prostaglandin F1 alpha production by cultured *human endometrial and myometrial explants.* Leaver HA, et al. **Prostaglandins Leukotrienes Med** 1984 Feb; 13(2):179-96

Effects of cations, ionophores and hypoglycemic sulfonylureas on the fluorescence of fluorescein-labelled pancreatic islets. Deleers M, et al. ***Res Commun Chem Pathol Pharmacol*** *1984 Apr;44(1):83-92*

Alteration in surface substructure of frog urinary bladder by calcium ionophore, verapamil and antidiuretic hormone. *Mia AJ, et al.* ***Tissue Cell*** *1983;15(5):737-48*

[Effect of antibiotic A-23187 on the reproduction of viruses in cell cultures] Pancheva S. **Acta Microbiol Bulg** 1983; *13:29-32 (Eng. Abstr.)* **(Bul)**

[Effect of ionophore A23187 on the response to ADH in the ventral skin of Rana esculenta] Casavola V, et al. **Boll Soc Ital Biol Sper** 1983 Jul 30;59(7):935-41 (Eng. Abstr.) **(Ita)**

[Effect of calcium ionophore (A23187) on the production of thromboxane B2 in human polymorphonuclear cells in

vitro] Cifone MG, et al. **Boll Soc Ital Biol Sper** 1984 Jan 30;60(1):219–25 (Eng. Abstr.) **(Ita)**

TOXICITY

Non-promoting hyperplasiogenic agents do not mimic the effects of phorbol, 12-myristate, 13-acetate on terminal differentiation of normal and transformed human keratinocytes. Parkinson EK, et al. **Carcinogenesis** 1984 May;5(5):687–90

[Calcium dependent hepatotoxicity of the ionophore A23187 studied by the experimental model of rat liver isolated and perfused in vitro] Andreana A, et al. **Boll Soc Ital Biol Sper** 1983 Nov 30;59(11):1711–3 (Eng. Abstr.) **(Ita)**

A FIBERS see **NERVE FIBERS, MYELINATED**

ABATE see under **INSECTICIDES, ORGANOTHIOPHOSPHATE**

ABATTOIRS

Sheep slaughtering procedures. II. Time to loss of brain responsiveness after exsanguination or cardiac arrest. Gregory NG, et al. **Br Vet J** 1984 Jul–Aug;140(4):354–60

A minimal apparatus method for counting bacteria: comparison with reference method in surveying beef carcasses at three commercial abattoirs. Hudson WR, et al. **J Hyg (Lond)** 1983 Dec;91(3):459–66

The prevalence of warts on the hands of workers in a New Zealand slaughterhouse. Jennings LC, et al. **NZ Med J** 1984 Jul 25;97(760):473–6

Prevalence of epicondylitis and tenosynovitis among meatcutters. Roto P, et al. **Scand J Work Environ Health** 1984 Jun;10(3):203–5

Hemophilus somnus in the reproductive tracts of slaughtered cows: location and frequency of isolations and lesions. Miller RB, et al. **Vet Pathol** 1983 Sep;20(5):515–21

[Current problems facing rendering plants, rendering work and environmental protection] Zhelev V, et al. **Vet Med Nauki** 1983;20(10):56–9 **(Bul)**

[Showering of slaughtering pigs. I. A prospective study of the preference of slaughtering pigs for showering after transport and its consequences for meat quality] van Putten G, et al. **Tijdschr Diergeneeskd** 1983 Sep 1;108(17):645–52 (Eng. Abstr.) **(Dut)**

[Fecal examination for Campylobacter jejuni in ban testing based on Paragraphs 17,18 of the Federal Contagion Law] Freerksen R. **Off Gesundheitswes** 1984 Jan;46(1):30–1 **(Ger)**

ECONOMICS

Some marketing aspects of slaughter animals in rural slaughterslabs in Kaduna State of Nigeria. Schillhorn van Veen TW, et al. **Rev Elev Med Vet Pays Trop** 1983; 36(3):307–12

STANDARDS

Sheep slaughtering procedures. I. Survey of abattoir practice. Gregory NG, et al. **Br Vet J** 1984 May–Jun;140(3):281–6

Slaughter of broilers. Heath GB. **Vet Rec** 1984 Aug 4; 115(5):98–100

ABBREVIATIONS

Proposal for the abbreviations of some commonly used NAV technical terms. Fehér G. **Anat Histol Embryol** 1983 Dec; 12(4):371–4

Abbreviations: an unnecessary hardship? [letter] MacNeal PS. **Arch Intern Med** 1983 Oct;143(10):2013–4

Abbreviations in medical writing [letter] Boughton CR. **Med J Aust** 1983 Sep 17;2(6):263

Abbreviations and symbols for clinical chemical quantities [editorial] Siggaard-Andersen O. **Scand J Clin Lab Invest** 1983 Oct;43(6):457–62

[Acronyms—an irritant in reading English medical literature] Schneider MU. **Fortschr Med** 1984 Apr 19;102(15):437–8 **(Ger)**

[Comments on abbreviations in otorhinolaryngology] Bermúdez Polonio R. **An Otorrinolaringol Ibero Am** 1983; 10(4):303–17 (Eng. Abstr.) **(Spa)**

ABDOMEN

Cyste per magna abdominalis. Hesp WL, et al. **Acta Chir Belg** 1983 Nov–Dec;83(6):416–9

The effect of one prophylactic dosage of antibiotics on experimentally induced lethal intraabdominal sepsis. Brolin J, et al. **Acta Chir Scand** 1984;150(3):239–44

Absence of abdominal pain in elderly patients with peptic ulcer. Clinch D, et al. **Age Ageing** 1984 Mar;13(2):120–3

Use of the Portner-Koolpe biliary biopsy catheter to facilitate double-guide-wire placement. Greenwood LH, et al. **AJR** 1984 Mar;142(3):543–4

Percutaneous drainage of abdominal abscesses. Sones PJ. **AJR** 1984 Jan;142(1):35–9

Recurrent abdominal pain in childhood and adolescence. Poole SR. **Am Fam Physician** 1984 Aug;30(2):131–7

Recurrent abdominal pain and infantile colic [letter] Joseph AY, et al. **Am J Dis Child** 1984 Oct;138(10):990–1

Abdominal epilepsy: an unusual cause of recurrent abdominal pain. Zarling EJ. **Am J Gastroenterol** 1984 Sep;79(9):687–8

Treatment of intraabdominal infection. Gorbach SL. **Am J Med** 1984 May 15;76(5A):107–10 (24 ref.)

Recurrent abdominal pain and childhood depression: clinical observations of 23 children and their families. Hughes MC. **Am J Orthopsychiatry** 1984 Jan;54(1):146–55

Surgical and computerized tomography guided drainage for intraabdominal abscess [editorial] Gerzof SG. **Am J Surg** 1984 Mar;147(3):426

Chance findings in ultrasonography of the gallbladder and the abdominal organs. Suramo I, et al. **Ann Clin Res** 1984; 16 Suppl 40:55–7

Circulatory support during cardiac arrest using a pneumatic vest and abdominal binder with simultaneous high-pressure airway inflation. Niemann JT, et al. **Ann Emerg Med** 1984 Sep;13(9 Pt 2):767–70

The efficacy of abdominal and pelvic ultrasound in the emergency department. Shea DJ, et al. **Ann Emerg Med** 1984 May;13(5):311–6

Narcotic bowel syndrome treated with clonidine. Resolution of abdominal pain and intestinal pseudo-obstruction. Sandgren JE, et al. **Ann Intern Med** 1984 Sep;101(3):331–4

Acute renal failure subsequent to increased intra-abdominal pressure [letter] **Ann Surg** 1983 Nov;198(5):667–8

The measurement of intra-abdominal pressure as a criterion for abdominal re-exploration. Kron IL, et al. **Ann Surg** 1984 Jan;199(1):28–30

Evaluation of abdominal pain in the AIDS patient. Potter DA, et al. **Ann Surg** 1984 Mar;199(3):332–9

Antibiotic trials in intra-abdominal infections. A critical evaluation of study design and outcome reporting. Solomkin JS, et al. **Ann Surg** 1984 Jul;200(1):29–39 (70 ref.)

Recurrent abdominal pain: a psychogenic disorder? McGrath PJ, et al. **Arch Dis Child** 1983 Nov;58(11):888–90

Abdominal pain in quadriparesis: myofascial syndrome as unsuspected cause. Schwartz RG, et al. **Arch Phys Med Rehabil** 1984 Jan;65(1):44–6

Effects of vitamin A and beta carotene on intra-abdominal sepsis. Demetriou AA, et al. **Arch Surg** 1984 Feb; 119(2):161–5

Moxalactam. Evaluation of clinical bleeding in patients with abdominal infection. Joehl RJ, et al. **Arch Surg** 1983 Nov; 118(11):1259–61

Cianidanol ([+]-cyanidanol-3) prevents the development of abdominal adhesions in rats. Rivkind AI, et al. **Arch Surg** 1983 Dec;118(12):1431–3

C-reactive protein as an indicator of infection relapse in patients with abdominal sepsis. Schentag JJ, et al. **Arch Surg** 1984 Mar;119(3):300–4

Gas-liquid chromatography for rapid diagnosis of intra-abdominal infection. Spiegel CA, et al. **Arch Surg** 1984 Jan;119(1):28–32

Recurrent abdominal pseudocyst after ventriculoperitoneal shunt. Narasimharao KL, et al. **Aust Paediatr J** 1984 Mar; 20(1):73–4

How to do a laparotomy. Ellis H. **Br J Hosp Med** 1984 Jun; 31(6):437–9 (17 ref.)

The search for pus. Polk HC, et al. **Br J Hosp Med** 1983 Sep;30(3):199, 201–2 (25 ref.)

The nonprophylactic role of cephalosporins in surgery. LeFrock JL, et al. **Bull NY Acad Med** 1984 May; 60(4):394–402 (30 ref.)

Treatment of intra-abdominal sepsis. Bohnen JM, et al. **Can J Surg** 1984 May;27(3):222–3, 225

Concentrations of metronidazole and tinidazole in abdominal tissues after a single intravenous infusion and repetitive oral administration. Viitanen J, et al. **Chemotherapy** 1984; 30(4):211–15

Roentgenologic features of right suprahepatic space abscess. Min PQ. **Chin Med J [Engl]** 1983 May;96(5):341–8

Evaluation of acute right upper quadrant pain. Buonocore E, et al. **Cleve Clin Q** 1983 Summer;50(2):247–9

Pathophysiology, diagnosis, and treatment of abdominal abscesses. Hau T, et al. **Curr Probl Surg** 1984 Jul;21(7):1–82 (215 ref.)

Adult abdominoscrotal hydrocele. Lampmann LE, et al. **Diagn Imag Clin Med** 1984;53(3):158–62

Does intrinsic LES tone increase as an adaptive response to increased intraabdominal pressure? [editorial] Boyle JT, et al. **Dig Dis Sci** 1984 Aug;29(8):760–1

Is abdominal compression a useful stimulation test for analysis of lower esophageal sphincter function? Janisch HD, et al. **Dig Dis Sci** 1984 Aug;29(8):689–95

Nuclear magnetic resonance imaging clinical experience in San Francisco. Margulis AR, et al. **Eur J Radiol** 1983 Aug; 3(3):236–8

Percutaneous management of abdominal abscesses with GI tract fistulous communication: report of 2 cases. Beltrán J, et al. **Gastrointest Radiol** 1984;9(1):65–8

Sonographic findings of intraabdominal foreign bodies due to retained gauze. Chau WK, et al. **Gastrointest Radiol** 1984;9(1):61–3

Radiological diagnosis in proven intraabdominal abscess formation: a comparison between plain films of the abdomen, ultrasonography and computerized tomography. Lundstedt C, et al. **Gastrointest Radiol** 1983;8(3):261–6

Are superficial lesions of the distal part of the ileum early indicators of Crohn's disease in adult patients with abdominal pain? A clinical and radiologic long term investigation. Ekberg O, et al. **Gut** 1984 Apr;25(4):341–6

A man with a royal pain in the abdomen. Bowen J. **Hosp Pract [Off]** 1984 Sep;19(9):50J–50K

Abdominal pain in child who refused to walk. Cox KL. **Hosp Pract [Off]** 1984 Jul;19(7):48, 52, 52I

An oriental traveler with abdominal pain. Hoffman T. **Hosp Pract [Off]** 1984 Feb;19(2):139, 145, 148A

Chronic abdominal pain. Trnka Y, et al. **Hosp Pract [Off]** 1984 Mar;19(3):201–9

Abdominal tuberculosis presenting as inguinal hernia [letter] Narasimharao KL, et al. **Indian Pediatr** 1983 Oct; 20(10):790–1

Transabdominal ultrasonotomography of prostatic carcinoma. Kočí K, et al. **Int Urol Nephrol** 1984;16(1):39–47

An atypical case of abdominal actinomycosis. Feeley TM, et al. **Ir Med J** 1983 Sep;76(9):387

Ultrasound and computed tomography in the diagnosis and drainage of abscesses and other fluid collections. Rubinstein Z, et al. **Isr J Med Sci** 1983 Dec;19(12):1050–5

Intraabdominal infections in the elderly [letter] Freed JS, et al. **J Am Geriatr Soc** 1984 May;32(5):408

Recurrent abdominal pain in childhood. Shultz SL. **J Arkansas Med Soc** 1983 Oct;80(5):219–22 (6 ref.)

Upper abdominal pain. Abraham P, et al. **J Assoc Physicians India** 1983 Sep;31(9):601–3

Ascites. Kalro RH. **J Assoc Physicians India** 1983 Apr; 31(4):245–6

Pyrexia, abdominal pain and splenomegaly. Mehta BC. **J Assoc Physicians India** 1983 Jan;31(1):45–6

Right upper quadrant pain and hepatomegaly in a 28-year-old woman. Lee WM. **J Clin Gastroenterol** 1984 Jun;6(3):261–6

Necrotic tumor simulating intraabdominal abscess: a case report. Paling MR. **J Comput Tomogr** 1983 Nov;7(4):395–7

Abdominal pain in children and symptoms of somatization disorder. Ernst AR, et al. **J Pediatr Psychol** 1984 Mar; 9(1):77–86

Gastroscopic features of children with chronic abdominal pain. Quak SH, et al. **J Singapore Paediatr Soc** 1983; 25(3–4):127–9

The child with abdominal pain. Wong HB. **J Singapore Paediatr Soc** 1983;25(3–4):122–6

The effect of tuftsin and splenectomy on mortality after intraabdominal sepsis. Baker CC, et al. **J Surg Res** 1984 May;36(5):499–502

A tissue-equivalent upper abdominal phantom. Scherzinger AL, et al. **J Ultrasound Med** 1983 Oct;2(10):455–62

Role of the gubernaculum and intraabdominal pressure in the process of testicular descent. Frey HL, et al. **J Urol** 1984 Mar;131(3):574–9

Exercise-induced abdominal pain [letter] Leslie BR. **JAMA** 1983 Dec 23–30;250(24):3283

Abdominal aspiration biopsies. Sonographic v computed tomographic guidance. Pelaez JC, et al. **JAMA** 1983 Nov 18;250(19):2663–6

Free intra-abdominal fluid in the fetus: ultrasonic assessment. Graif M, et al. **JCU** 1983 Oct;11(8):458–9

Abdominal pains during CAPD with acetate buffered dialysate [letter] Ahlmén J, et al. **Lancet** 1983 Nov 26; 2(8361):1247

Intermittent abdominal compression during cardiopulmonary resuscitation [letter] Groeneveld AB, et al. **Lancet** 1984 May 12;1(8385):1076–7

Tularemia: atypical presentation. Vento AO, et al. **Md State Med J** 1984 May;33(5):395–6

Immunodiagnosis of abdominal hydatid disease. Difficulties in the radiological and scintillographic localization of cysts. Guarnera EA, et al. **Med J Aust** 1984 Apr 14;140(8):493–5

Use of computed tomography in the percutaneous drainage of abdominal abscesses. Lawler GA, et al. **Med J Aust** 1984 Jul 21;141(2):104–7

Abdominal actinomycosis. Elem B, et al. **Med J Zambia** 1981 Nov–1982 Jan;16(1):11–3

A computer-based diagnostic/patient management system for isolated environments. Robinson KD, et al. **Methods Inf Med** 1983 Jul;22(3):131–4

Abdominal actinomycosis—a late complication of gastrectomy. Brink PR, et al. **Neth J Surg** 1984 Jun; 36(3):80–2

Assessing recurrent abdominal pain in children. Gaylord N, et al. **Nurse Pract** 1983 Sep;8(8):19–24

Intraabdominal sepsis. Siegel JD. **Pediatr Infect Dis** 1984 May–Jun;3(3 Suppl):S18–21

Antibiotics for intraabdominal sepsis. Selection of an effective combination. Bubrick MP. **Postgrad Med** 1984 Jun; 75(8):237–9, 242–3

Acute intermittent porphyria. A non-surgical cause of abdominal pain. Pattison CW, et al. **Practitioner** 1984 Apr; 228(1390):420–1

Abdominal tuberculosis. Bose SL, et al. **Q Med Rev** 1983 Jul;34(3):1–16 (66 ref.)

Abscess drainage with CT and ultrasound guidance. Clark RA, et al. **Radiol Clin North Am** 1983 Sep;21(3):445–59 (38 ref.)

Intraabdominal abscesses. Diagnosis by sonography and computed tomography. Mueller PR, et al. **Radiol Clin North Am** 1983 Sep;21(3):425–43 (59 ref.)

Catheter drainage of intraabdominal fluid collections. Bonnel D, et al. **Radiol Diagn (Berl)** 1984;25(2):155–70

Mucomyst for abscesses: a clinical comment. Dawson SL, et al. **Radiology** 1984 May;151(2):342

Magnetic resonance imaging of abdominal and pelvic lymphadenopathy. Lee JK, et al. **Radiology** 1984 Oct; 153(1):181–8

Percutaneous biopsy and drainage procedures in the abdomen

using a modified coaxial technique. McGahan JP. **Radiology** 1984 Oct;153(1):257–8

Percutaneous drainage of 250 abdominal abscesses and fluid collections. Part II: Current procedural concepts. Mueller PR, et al. **Radiology** 1984 May;151(2):343–7

Respiratory gating in magnetic resonance imaging at 0.5 Tesla. Runge VM, et al. **Radiology** 1984 May;151(2):521–3

Percutaneous drainage of 250 abdominal abscesses and fluid collections. Part I: Results, failures, and complications. vanSonnenberg E, et al. **Radiology** 1984 May;151(2):337–41

Computer-aided diagnosis of acute abdominal pain. The British experience. de Dombal FT. **Rev Epidemiol Sante Publique** 1984;32(1):50–6

Left side abdominal abscess from a retroperitoneal perforation of a duodenal ulcer. Catalano D, et al. **ROFO** 1984 Jul;141(1):111–3

Abdominal ultrasonography in patients with uncharacteristic abdominal symptoms. Swensen T, et al. **Scand J Gastroenterol** 1983 Nov;18(8):1069–71

The O.M.G.E. Acute Abdominal Pain Survey—progress report, 1982. de Dombal FT. **Scand J Gastroenterol [Suppl]** 1984;95:28–40

Intraabdominal infections. Etiology, clinical mar ·stations, diagnosis and treatment. Liavåg I. **Scand J Gastroenterol [Suppl]** 1983;85:26–33 (14 ref.)

Efficacy of metronidazole and fosfomycin alone and in combination in the treatment of experimentally induced intra-abdominal infections. Nord CE, et al. **Scand J Gastroenterol [Suppl]** 1984;90:15–9

Thirty year old caucasian male with acute onset of abdominal pain. Odland M, et al. **SD J Med** 1984 Jan;37(1):13–6

Imaging patterns with 99mTc-PIPIDA in evaluating abdominal pain. Curtis RF, et al. **South Med J** 1983 Nov; 76(11):1386–8

Intra-abdominal migration of the Angelchik antireflux prosthesis. Dyer R, et al. **South Med J** 1984 Mar; 77(3):384–6

Role of gas in functional abdominal pain. Levitt MD. **South Med J** 1984 Aug;77(8):962–4

Radiologic aspects of diagnosis and treatment of abdominal abscesses. Gerzof SG, et al. **Surg Clin North Am** 1984 Feb; 64(1):53–65 (41 ref.)

Comparative study of parenteral piperacillin and cefoxitin in the treatment of surgical infections of the abdomen. Najem AZ, et al. **Surg Gynecol Obstet** 1983 Nov; 157(5):423–5

Discitis as a cause of abdominal pain in children. Leahy AL, et al. **Surgery** 1984 Apr;95(4):412–4

Abdominoscrotal hydrocele in childhood. Case report and review of the literature. Casolari E, et al. **Z Kinderchir** 1983 Oct;38(5):353–5 (9 ref.)

Cephalosporin resistance in strains of Klebsiella oxytoca isolated during antibiotic therapy. Then RL, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Jul; 254(4):469–79

[The problem of abdominal actinomycosis] Viiachki I, et al. **Khirurgiia (Sofiia)** 1983;36(5):449–53 **(Bul)**

[Treatment of severe lumboabdominal pain by surgical dissolution of soft tissues of the lumbar region] Xuan ZR. **Chung Hua Wai Ko Tsa Chih** 1983 Sep;21(9):547–9 (Eng. Abstr.) **(Chi)**

[Personal experience with acupuncture in the treatment of women with long-standing hypogastric pain] Chvála V. **Cesk Gynekol** 1983 Apr;48(3):170–3 (Eng. Abstr.) **(Cze)**

[Diabetic radiculopathy causing severe abdominal pain] Härkönen M, et al. **Duodecim** 1984;100(1):39–41 **(Fin)**

[Percutaneous drainage of infected abdominal collections. Guiding principles and results] Reynaert MS, et al. **Acta Chir Belg** 1983 Sep–Oct;83(5):353–7 (Eng. Abstr.) **(Fre)**

[Abdominal form of Hodgkin's disease. Apropos of 5 cases in Dakar] Diop B, et al. **Dakar Med** 1983;28(1):195–205 (Eng. Abstr.) **(Fre)**

[What is your diagnosis? (Hematocolpos)] **Pediatrie** 1984 Jan–Feb;39(1):59–64 **(Fre)**

[Aid to diagnosis and decision making in an acute abdominal pain syndrome] **Rev Epidemiol Sante Publique** 1984; 32(1):40–4 (Eng. Abstr.) **(Fre)**

[Percutaneous drainage of intra-abdominal fluid collections using computed tomography] Meyer P, et al. **Schweiz Med Wochenschr** 1984 May 19;114(20):721–3 (Eng. Abstr.) **(Fre)**

[Abdominal compression and PEEP respiration during cardiopulmonary resuscitation] Lindner KH, et al. **Anaesthesist** 1984 Jan;33(1):20–30 (Eng. Abstr.) **(Ger)**

[Routine sonography as a screening method for occult abdominal diseases in children] Klotter HJ, et al. **Fortschr Med** 1983 Sep 8;101(34):1509–12 (Eng. Abstr.) **(Ger)**

[What does sonography contribute in chronic abdominal pain?] Frank K, et al. **Med Welt** 1983 Nov 4;34(44):1244–7 **(Ger)**

[Chronic abdominal pain—differential diagnosis] Hammes PH. **Med Welt** 1983 Nov 4;34(44):1233–6 **(Ger)**

[Diagnosis of chronic abdominal pain: what does sonography contribute?] Linhart P. **Med Welt** 1983 Nov 4;34(44):1232 **(Ger)**

[Sonographic diagnosis in chronic and chronic recurring abdominal pain] Seitz K. **Med Welt** 1983 Nov 4; 34(44):1240–3 **(Ger)**

[Differential indications for sonography, 1. Ultrasound examination: general abdomen] Cabell R. **MMW** 1983 Jul 22;125(32–33):63–4 **(Ger)**

[Differential diagnosis at the bedside. Severe pain in the middle epigastrium] Kuntz HD. **MMW** 1983 Dec 16; 125(50):107–11 **(Ger)**

[Differential diagnosis at the bedside. Chronic pressure and pain in the upper abdomen] Piechowiak H, et al. **MMW** 1984 Feb 10;126(6):117–8 **(Ger)**

[Recurrent indeterminate abdominal pain in schoolchildren in Helsinki at a conventional school and at the Waldorf school] Hultin H, et al. **Öff Gesundheitswes** 1984 Jan; 46(1):25–9 **(Ger)**

[Initial results with the use of 'contrast media', the so-called sonographica, for ultrasound examination of the upper abdomen] Helzel MV. **ROFO** 1984 Mar;140(3):337–40 (Eng. Abstr.) **(Ger)**

[Section planes of sonographic epigastric diagnosis. Suggestion for standardization and codes in photodocumentation] Helgenberger H. **Ultraschall Med** 1983 Mar;4(1):60–1 (Eng. Abstr.) **(Ger)**

[Ultrasound diagnosis via the gastroscope] Heyder N, et al. **Ultraschall Med** 1983 Jun;4(2):85–91 (Eng. Abstr.) **(Ger)**

[Experimental studies on the selective profound hypothermia of the abdominal viscera by descending aorta and inferior caval vein occlusion] Tenmoku S. **Nippon Geka Gakkai Zasshi** 1983 Jan;84(1):40–50 (Eng. Abstr.) **(Jpn)**

[Environmental factors causing psychogenic abdominal pain in schoolchildren] Błaszczyk A, et al. **Pediatr Pol** 1983 Nov; 58(11):887–94 (Eng. Abstr.) **(Pol)**

[Value of fibroscopy in the diagnosis of abdominal pain in children] Niżankowska-Błaż T, et al. **Pediatr Pol** 1983 Feb; 58(2):177–81 (Eng. Abstr.) **(Pol)**

[Differential diagnosis of abdominal pain] Kokot F. **Przegl Lek** 1984;41(4):329–46 **(Pol)**

[Inflammatory changes in the appendices epiploicae of the sigmoid as a rare cause of abdominal symptoms] Wieczorek Z, et al. **Wiad Lek** 1984 Jan 1;37(1):53–5 (Eng. Abstr.) **(Pol)**

[Clinical session at the Brazilian Institute for the Study and Research in Gastroenterology] **Arq Gastroenterol** 1983 Jul–Sep;20(3):123–30 **(Por)**

[Triple intestinal invagination as the cause of chronic painful abdomen in a child] Bulucea D. **Rev Pediatr Obstet Ginecol [Pediatr]** 1983 Jul–Sep; 32(3):281–4 (Eng. Abstr.) **(Rum)**

[Diagnosis of low-contrast foreign bodies in the abdominal cavity] Gataullin NG, et al. **Khirurgiia (Mosk)** 1984 Mar; (3):75–8 (Eng. Abstr.) **(Rus)**

[So-called inoperable echinococcosis of the abdominal cavity] Milonov OB, et al. **Khirurgiia (Mosk)** 1983 Oct; (10):82–4 (Eng. Abstr.) **(Rus)**

[Various matters concerning the pathogenesis, prevention and treatment of fistulas of the intestines and other organs of the abdomen and peritoneal cavity] Cheren'ko MP. **Klin Khir** 1984 Feb;(2):1–5 (Eng. Abstr.) **(Rus)**

[Surgical instruments left in the abdominal cavity for a long period] Polazhinets MN, et al. **Klin Khir** 1984 Jan;(1):70–1 **(Rus)**

[Value of computed tomography in the diagnosis of echinococcosis of organs in the abdominal cavity and retroperitoneal space] Filimonov GP, et al. **Klin Med (Mosk)** 1983 Nov;61(11):91–4 (Eng. Abstr.) **(Rus)**

[Effect of periarterial sympathectomy and decompensation of the celiac trunk on gastric secretion in the abdominal pain syndrome] Gervaziev VB, et al. **Vestn Khir** 1983 Oct; 131(10):9–13 (Eng. Abstr.) **(Rus)**

[Diagnostic and prognostic value of indicators of the hemostasis system in closed abdominal injuries] Luk'ianets BG. **Vestn Khir** 1984 May;132(5):73–5 (Eng. Abstr.) **(Rus)**

[Surgical tactics in chronic nonspecific infiltrates of the abdominal cavity and its anterior wall] Ovchinnikov VA. **Vestn Khir** 1984 Feb;132(2):28–32 (Eng. Abstr.) **(Rus)**

[Complications after surgery for abdominal pregnancy due to a retained placenta] Babić D, et al. **Jugosl Ginekol Opstet** 1983 May–Aug;23(3–4):93–4 (Eng. Abstr.) **(Scr)**

[Primary abdominal actinomycosis. Report of a case] Ramírez O, et al. **Med Cutan Iber Lat Am** 1984;12(1):29–32 (Eng. Abstr.) **(Spa)**

[Indium-111-labelled leukocyte scintigraphy as an aid in the diagnosis of intra-abdominal abscesses] Holmin T, et al. **Lakartidningen** 1983 Sep 7;80(36):3170–3 **(Swe)**

[Abdominal tuberculosis is difficult to diagnose if there are no lung changes] Sundkvist T. **Lakartidningen** 1984 Apr 18;81(16):1640 **(Swe)**

ABNORMALITIES

Ultrasonography in the prenatal diagnosis of gastroschisis. Bluth EI, et al. **South Med J** 1984 Feb;77(2):260–1

[Absence of the inferior vena cava in a patient with patent ductus arteriosus and partial abdominal heterotaxia] Ivanov AM, et al. **Pediatriia** 1983 Jun;(6):67–8 **(Rus)**

ANATOMY & HISTOLOGY

Estimation of fetal weight by external abdominal measurements. Pschera H, et al. **Acta Obstet Gynecol Scand** 1984;63(2):175–9

An evaluation of ultrasonic fetal weight prediction in a Chinese population using established charts on abdominal circumference and biparietal diameter. Wan CW, et al. **Asia Oceania J Obstet Gynaecol** 1984 Jun;10(2):173–6

Nuclear magnetic resonance imaging of the abdomen. Steiner RE, et al. **Diagn Imag Clin Med** 1984;53(1):38–42

Coronal nuclear magnetic resonance (NMR) imaging of the abdomen at 0.5 tesla. Kressel HY, et al. **J Comput Assist Tomogr** 1984 Feb;8(1):29–31

Abdominal circumference vs abdominal area—which is better? Woo JS, et al. **J Ultrasound Med** 1984 Mar; 3(3):101–5

The effect of abdominal profile shape changes on the estimation of fetal weight. Rossavik IK, et al. **JCU** 1984 Jan;12(1):57–9

Diminished biparietal diameter and abdominal circumference growth in twins. Socol ML, et al. **Obstet Gynecol** 1984 Aug;64(2):235–8

BLOOD SUPPLY

The effect of inadequate venous or arterial blood supply on the survival of abdominal islands flaps in rats. Heiner H, et al. **Acta Chir Plast (Prague)** 1984;26(1):1–10

Comparison of CT and angiography in assessing resectability of pancreatic carcinoma. Jafri SZ, et al. **AJR** 1984 Mar; 142(3):525–9

Transruminal palpation of abdominal arteries of the permanently fistulated dairy cow. McCarthy PH. **Am J Vet Res** 1984 Aug;45(8):1632–7

Intraabdominal venous injuries. Greig JD, et al. **Curr Surg** 1984 Jan–Feb;41(1):20–3

Abdominal blood pool scintigraphy in the management of acute or intermittent gastrointestinal bleeding. Kalff V, et al. **Med J Aust** 1983 Oct 1;2(7):326–34

Transaxillary abdominal angiography. Use of the sidewinder-pigtail catheter. Fröhlich H. **Radiology** 1984 Jan;150(1):265

Physiologic changes of antishock trousers in relationship to external pressure. Ransom KJ, et al. **Surg Gynecol Obstet** 1984 May;158(5):488–92

Diameters of abdominal veins and arteries during nitrate therapy. Strohm WD, et al. **Z Kardiol** 1983;72 Suppl 3:56–61

[Diagnosis of hematomas in the Retzius space during anticoagulant therapy. Prospective study (11 cases)] Dupas B, et al. **Sem Hop Paris** 1983 Dec 8;59(45):3115–9 (Eng. Abstr.) **(Fre)**

[Blood vessels of the abdomen in computerized tomography] Stern-Padovan R, et al. **Lijec Vjesn** 1984 Apr;106(4):142–7 (Eng. Abstr.) **(Scr)**

EMBRYOLOGY

A date-independent predictor of intrauterine growth retardation: femur length/abdominal circumference ratio. Hadlock FP, et al. **AJR** 1983 Nov;141(5):979–84

GROWTH & DEVELOPMENT

Homeotic transformations of the abdominal segments of Drosophila caused by breaking or deleting a central portion of the bithorax complex. Morata G, et al. **J Embryol Exp Morphol** 1983 Dec;78:319–41

INNERVATION

Neurological factors in chronic pelvic pain: trigger points and the abdominal pelvic pain syndrome. Slocumb JC. **Am J Obstet Gynecol** 1984 Jul 1;149(5):536–43

Effects of bradykinin and capsaicin on endings of afferent fibers from abdominal visceral organs. Longhurst JC, et al. **Am J Physiol** 1984 Sep;247(3 Pt 2):R552–9

Sensory receptors and their afferents in the caudal sympathetic nerve of the domestic duck. Koley J, et al. **Br Poult Sci** 1984 Apr;25(2):173–86

Vagal neurons and pathways to the rat's lower viscera: an electrophysiological study. Sauter JF, et al. **Brain Res Bull** 1983 Nov;11(5):487–91

Effects of hypercapnia and hypoxia on abdominal expiratory nerve activity. Ledlie JF, et al. **J Appl Physiol** 1983 Nov; 55(5):1614–22

Crayfish extraretinal photoreception. I. Behavioral and motorneuronal responses to abdominal illumination. Edwards DH Jr. **J Exp Biol** 1984 Mar;109:291–306

[Spinal nerves of the female shark (Mustelus manazo) innervating the abdominal pterygial region of the body trunk and their comparison with the nerves to the abdomen and tail] Tanaka S, et al. **Kaibogaku Zasshi** 1983 Jun; 58(3):129–42 (Eng. Abstr.) **(Jpn)**

METABOLISM

Tc-99m MDP bone scan artefact. Abdominal soft tissue uptake secondary to subcutaneous heparin injection. Duong RB, et al. **Clin Nucl Med** 1984 Jan;9(1):47

Gas exchange in abdominal cavity during laparoscopy. Cameron AE, et al. **J R Soc Med** 1983 Dec;76(12):1015–8

[Effects of dimexide on the absorption of penicillin from the abdominal cavity] Zverev VM, et al. **Klin Khir** 1984 Jan; (1):76–7 **(Rus)**

MICROBIOLOGY

Experimental aspects of intraabdominal abscess. Bartlett JG. **Am J Med** 1984 May 15;76(5A):91–8

Role of enterococcus in intraabdominal sepsis. Dougherty SH. **Am J Surg** 1984 Sep;148(3):308–12 (47 ref.)

PARASITOLOGY

[Complicated echinococcosis of the abdominal organs] Ordabekov SO. **Vestn Khir** 1984 Jan;132(1):78–9 **(Rus)**

PATHOLOGY

NMR imaging of the abdomen: technical considerations. Buonocore E, et al. **AJR** 1983 Dec;141(6):1171–8

NMR imaging of the abdomen at 0.12 T: initial clinical experience with a resistive magnet. Kressel HY, et al. **AJR** 1983 Dec;141(6):1179–86

Abdominal girth: an unreliable measure of intra-abdominal bleeding. Fairclough JA, et al. **Injury** 1984 Sep;16(2):85–7

The butterfly sign [letter] Vincent LM. **J Ultrasound Med** 1983 Nov;2(11):527–8

The lesser sac and gastrohepatic recess: sonographic appearance and differentiation of fluid collections. Vincent LM, et al. **Radiology** 1984 Feb;150(2):515–9

[Echography of palpable abdominal masses in adults. Apropos of 92 cases] Poncin J, et al. **J Radiol** 1984 Mar; 65(3):137–43 (Eng. Abstr.) **(Fre)**

[Detection of asymptomatic cancers of the kidney in adults. Value of abdominal echography (letter)] Barbe YP, et al. **Presse Med** 1984 Jun 23;13(26):1632–3 **(Fre)**

PHYSIOLOGY

Effects of thoracic or abdominal strapping on exercise performance. Vanmeenen MT, et al. **Bull Eur Physiopathol Respir** 1984 Mar–Apr;20(2):127–32

A comparison of intraabdominal pressure increases, hip torque, and lumbar vertebral compression in different lifting techniques. Troup JD, et al. **Hum Factors** 1983 Oct; 25(5):517–25

Evaluation of a new defibrillation pathway—the tongue–epigastric route. I. Experimental studies in dogs. Kerber RE, et al. **J Am Coll Cardiol** 1983 Nov;2(5):966–72

Thoracoabdominal motion during progressive isocapnic hypoxia in conscious man. Chapman KR, et al. **J Physiol (Lond)** 1984 Apr;349:73–82

Effects of an increase in end-expiratory volume on the pattern of thoracoabdominal movement. Wolfson DA, et al. **Respir Physiol** 1983 Sep;53(3):273–83

PHYSIOPATHOLOGY

[Electroconductivity of the abdominal organs in pathological states] Kostin AE. **Vestn Khir** 1984 Jul;132(7):70–1 **(Rus)**

RADIATION EFFECTS

Intestinal uptake of bile acids: effect of external abdominal irradiation. Thomson AB, et al. **Int J Radiat Oncol Biol Phys** 1984 May;10(5):671–85

Bone marrow transplantation in severe aplastic anemia using cyclophosphamide and thoracoabdominal irradiation. Gluckman E, et al. **Prog Clin Biol Res** 1984;148:325–33

[A new method of planning and performing abdominal irradiation using the moving strip technic] Bertoni F, et al. **Radiol Med (Torino)** 1983 Jul–Aug;69(7–8):572–7 (Eng. Abstr.) **(Ita)**

RADIOGRAPHY

Iohexol in lower extremity, renal and visceral angiography. Survey and present state. Kolbenstvedt A. **Acta Radiol [Suppl] (Stockh)** 1983;366:153–7

Enhancement with water–soluble contrast media in computed tomography of the brain and abdomen. Survey and present state. Skalpe IO. **Acta Radiol [Suppl] (Stockh)** 1983;366:72–5

Computed tomography of the abdomen. Rubenstein WA, et al. **Adv Surg** 1984;17:171–96

Device for performing direct coronal CT scanning of the abdomen and pelvis. Goldberg HI, et al. **AJR** 1984 Oct; 143(4):900–2

Air contrast vs. metrizamide in neonatal gasless abdomen [letter] Tucker AS. **AJR** 1984 Aug;143(2):430–1

Abnormal abdominal computerized tomography with amiodarone therapy and clinical significance. Shenasa M, et al. **Am Heart J** 1984 May;107(5 Pt 1):929–33

Quantification of body fat distribution in the abdomen using computed tomography. Grauer WO, et al. **Am J Clin Nutr** 1984 Apr;39(4):631–7

Horizontal versus vertical, or lying down is better. Gyll C. **Br J Radiol** 1984 Feb;57(674):191–3

Extravisceral diffuse infiltration of adult histiocytosis X demonstrated by CT. Mourad K, et al. **Br J Radiol** 1983 Nov;56(671):879–81

Suprapelvic phleboliths: prevalence, distribution and clinical associations. Curry NS, et al. **Clin Radiol** 1983 Nov; 34(6):701–5

Abdominal and thoracic CT. **Comput Radiol** 1983 Sep–Oct; 7(5):267–322

Abdominal computed tomography in a man with lung cancer. Tran HD, et al. **Del Med J** 1984 Apr;56(4):233–4

Intravenous contrast bolus in computed tomography investigation of mass lesion. Love L, et al. **Diagn Imag Clin Med** 1984;53(2):57–66

Comparison of iohexol and metrizamide in dynamic CT of the upper abdomen. Partanen K, et al. **Eur J Radiol** 1984 Aug;4(3):227–8

Contrast media in abdominal computed tomography. A double blind clinical trial comparing a non–ionic (iohexol) and an ionic (metrizoate) contrast medium. Skalpe IO, et al. **Eur J Radiol** 1984 Feb;4(1):74–5

Computed tomography evaluation of local and extraintestinal complications of Crohn's disease. Kerber GW, et al. **Gastrointest Radiol** 1984;9(2):143–8

Abnormal intraabdominal gas collections visualized on computed tomography: a clinical and experimental study. Seltzer SE. **Gastrointest Radiol** 1984;9(2):127–31

Abdominal and pelvic computed tomography in leukemic patients. Geoffray A, et al. **J Comput Assist Tomogr** 1984 Oct;8(5):857–60

Computed tomography of silent abdominal abscesses. Jeffrey RB, et al. **J Comput Assist Tomogr** 1984 Feb;8(1):67–70

Abdominal computed tomography in children with unexplained prolonged fever. Picus D, et al. **J Comput Assist Tomogr** 1984 Oct;8(5):851–6

Problems encountered in plain radiographs of abdomen. Ahuja MM. **J Indian Med Assoc** 1983 Jun;80(11–12):177–8

Anatomy of the upper abdomen: computarized tomography. Acin F, et al. **Morphol Med** 1983 Oct;3(3):165–71

The telltale triangle: use of the supine cross table lateral radiograph of the abdomen in early detection of pneumoperitoneum. Seibert JJ, et al. **Pediatr Radiol** 1977; 5(4):209–10

Kaposi sarcoma and lymphadenopathy syndrome: limitations of abdominal CT in acquired immunodeficiency syndrome. Moon KL Jr, et al. **Radiology** 1984 Feb;150(2):479–83

Cerebrospinal fluid abdominal cyst. Computed tomographic resolution of a sonographic dilemma. Gebarski KS, et al. **Surg Neurol** 1984 Apr;21(4):414–6

[Localization of normal renal pelvis and ureter in plain abdominal film] Qiang YZ. **Chung Hua Wai Ko Tsa Chih** 1983 Oct;21(10):630–2 (Eng. Abstr.) **(Chi)**

[Recommendations of the 5th Bilateral Czechoslovak–East German Symposium on the radiodiagnosis of the upper abdomen] **Cesk Radiol** 1983 Nov;37(6):345–7 **(Cze)**

[Computer tomography diagnosis of abdominal abscesses] Sobota J. **Cesk Radiol** 1983 Aug;37(5):292–5 (Eng. Abstr.) **(Cze)**

[Digital angiography in diseases of the abdominal organs: preliminary study] Trotteur G, et al. **J Belge Radiol** 1983; 66(4):287–96 (Eng. Abstr.) **(Fre)**

[Value of x-ray computed tomography in the diagnosis and surveillance of abdominopelvic recurrence of cancers of the uterine cervix. Apropos of 38 cases] Hospitel S, et al. **J Radiol** 1984 May;65(5):327–34 (Eng. Abstr.) **(Fre)**

[Radiation exposure in whole body and cranial CT studies in relation to parameters of the examination technic] Fiebach BJ, et al. **Computertomographie** 1983 Sep; 3(3):108–11 (Eng. Abstr.) **(Ger)**

[General abdominal radiography for the identification of drug smugglers] Rauber K, et al. **Dtsch Med Wochenschr** 1983 Oct 14;108(41):1549–51 (Eng. Abstr.) **(Ger)**

[What does computer tomography and abdominal ultrasound studies accomplish in the staging of Hodgkin's disease?] Honegger HP, et al. **Schweiz Med Wochenschr** 1984 Apr 7;114(14):475–81 (Eng. Abstr.) **(Ger)**

[Current radiologic diagnosis of the abdominal organs] Triller J. **Ther Umsch** 1984 Mar;41(3):182–8 (Eng. Aostr.) **(Ger)**

[Computerized tomogram following pancreatic resection] Vogel H, et al. **Z Gastroenterol** 1983 Sep;21(9):536–44 (Eng. Abstr.) **(Ger)**

[A new contrast medium for bowel opacification in abdominal CT scans—with comparative studies on water–soluble iodinated contrast and on fat emulsion] Sako M, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1984 Jan 25;44(1):93–5 (Eng. Abstr.) **(Jpn)**

[Evaluation of non–ionic, water soluble, low–osmolality contrast media (iopamidol) in abdominal angiography] Matsuo N, et al. **Rinsho Hoshasen** 1984 Apr;29(4):463–9 (Eng. Abstr.) **(Jpn)**

[Standard x-ray tomographic anatomy of the abdominal cavity in the axial projection] Ternovoi SK. **Klin Khir** 1984 Feb;(2):39–42 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Indium–111 tropolonate leucocyte scanning in the detection of intra–abdominal abscesses. Saverymuttu SH, et al. **Clin Radiol** 1983 Sep;34(5):593–6

Abdominal localization of Indium–111 labeled leukocytes. Mikhail S, et al. **Minn Med** 1983 Oct;66(10):607–9

[Abscess scintigraphy after injection of 111 In–labelled granulocytes] Schmidt KG, et al. **Ugeskr Laeger** 1984 Jan 16;146(3):173–5 (Eng. Abstr.) **(Dan)**

SURGERY

Caudal anaesthesia for upper abdominal surgery in infants and children: a simple calculation of the volume of local anaesthetic. Satoyoshi M, et al. **Acta Anaesthesiol Scand** 1984 Feb;28(1):57–60

Thyroid hormones, catecholamine and cortisol concentrations after upper abdominal surgery. Rutberg H, et al. **Acta Chir Scand** 1984;150(4):273–8

Neonatal surgery II. Kolihová E, et al. **Acta Univ Carol [Med Monogr] (Praha)** 1980;98:1–103

Abdominoplasty: technical refinement and analysis of 130 cases in 8 years' follow-up. Avelar JM. **Aesthetic Plast Surg** 1983;7(4):205–12

Abdominoplasty: peri– and supra–umbilical lipectomy. Hakme F. **Aesthetic Plast Surg** 1983;7(4):213–20

Abdominal wound closure. Carlson DC, et al. **Ala J Med Sci** 1984 Jan;21(1):49–53

Drainage of intraabdominal abscesses. A comparison of surgical and computerized tomography guided catheter drainage. Glass CA, et al. **Am J Surg** 1984 Mar;147(3):315–7

A controlled trial of intermittent positive pressure breathing, incentive spirometry, and deep breathing exercises in preventing pulmonary complications after abdominal surgery. Celli BR, et al. **Am Rev Respir Dis** 1984 Jul; 130(1):12–5

Diaphragm dysfunction induced by upper abdominal surgery. Role of postoperative pain. Simonneau G, et al. **Am Rev Respir Dis** 1983 Nov;128(5):899–903

The impact of demographic trends on hospital surgical care. Harbrecht PJ, et al. **Am Surg** 1984 May;50(5):270–4

T abdominoplasty to remove multiple scars from the abdomen. Cardoso de Castro C, et al. **Ann Plast Surg** 1984 Apr;12(4):369–73

The direct perfusion of surgical wounds with local anaesthetic solution: an approach to postoperative pain [letter] Fry EN. **Ann R Coll Surg Engl** 1984 May;66(3):220

Clarification of risk factors for abdominal operations in patients with hepatic cirrhosis. Garrison RN, et al. **Ann Surg** 1984 Jun;199(6):648–55

Re–operation for intra–abdominal sepsis. Indications and results in modern critical care setting. Hinsdale JG, et al. **Ann Surg** 1984 Jan;199(1):31–6

Abdominal wound closure with a continuous monofilament polypropylene suture. Experience with 1,000 consecutive cases. Knight CD, et al. **Arch Surg** 1983 Nov; 118(11):1305–8

Hospital costs of surgical complications. Mason LB, et al. **Arch Surg** 1984 Sep;119(9):1065–6

Synchronous chemotherapy and radiotherapy for carcinoma of the anal canal—an alternative to abdominoperineal resection. Tiver KW, et al. **Aust NZ J Surg** 1984 Apr; 54(2):101–8 (38 ref.)

Comparison of fentanyl and halothane supplementation to general anaesthesia on the stress response to upper abdominal surgery. Campbell BC, et al. **Br J Anaesth** 1984 Mar;56(3):257–61

Comparison of morphine and sublingual buprenorphine following abdominal surgery. Cuschieri RJ, et al. **Br J Anaesth** 1984 Aug;56(8):855–9

Infection after abdominal surgery: five year prospective study. Krukowski ZH, et al. **Br Med J [Clin Res]** 1984 Jan 28;288(6413):278–80

A ten–year experience with reduction mammoplasty and abdominoplasty. What is happening in our part of the world? Baran NK, et al. **Clin Plast Surg** 1984 Jul; 11(3):479–89

Morbid obesity. Davis TS. **Clin Plast Surg** 1984 Jul; 11(3):517–24

Breast shaping procedures, abdominoplasty, and thighplasty in Australia. Isaacs G. **Clin Plast Surg** 1984 Jul;11(3):525–48 (21 ref.)

Plastic surgery of the abdomen with improvement in the body contour. Physiopathology and treatment of the aponeurotic musculature. Psillakis JM. **Clin Plast Surg** 1984 Jul; 11(3):465–77

Abdominal wound repair. An experimental study of the wound healing mechanism in the rabbit. Nilsson T. **Dan Med Bull** 1983 Nov;30(6):394–407

Physical and biological considerations militating against the use of endoscopically applied high–frequency current in the abdomen. Semm K. **Endoscopy** 1983 Sep;15(5):283–8

Heterotopic bone formation in abdominal operation scars. Orda R, et al. **Injury** 1984 Mar;15(5):334–6

The value of intraoperative wound cultures in predicting the bacteriology of wound infection after elective abdominal surgery. Waldron R, et al. **Ir J Med Sci** 1983 Aug; 152(8):300–2

Is pre–operative intra–incisional intra–parietal injection of antibiotics the ideal mode of administration as prophylaxis in abdominal surgery? Tanner AG. **J Antimicrob Chemother** 1984 Apr;13(4):305–8 (25 ref.)

Latamoxef for the prophylaxis of abdominal surgical wound infection: a controlled clinical trial. Ausobsky JR, et al. **J Hosp Infect** 1983 Sep;4(3):279–84

Abdominoscrotal hydrocele. Sharma VP, et al. **J Indian Med Assoc** 1983 Jun;80(11–12):184–5

A method of abdominal wound closure. Samson ID, et al. **J Med Soc NJ** 1984 Mar;81(3):205–10

Burst abdomen. A preventable complication, monolayer closure of the abdominal incision with monofilament nylon. Mathur SK. **J Postgrad Med** 1983 Oct;29(4):223–9

Care of perineal wound in abdominoperineal resection. Saha SK. **J R Coll Surg Edinb** 1983 Sep;28(5):324–7

Peroperative cefoxitin. A double–blind prospective study in the prevention of wound infections. Utley RJ, et al. **J R Coll Surg Edinb** 1984 May;29(3):143–6

Psychological costs of abdominoperineal resection [letter] Devlin HB. **Lancet** 1983 Nov 26;2(8361):1246

Gravity drainage in the treatment of patients with near fatal recurrent intra–abdominal sepsis. Trinidad Vasquez JM, et al. **Milit Med** 1983 Jul;148(7):597–9

Time course of aldosterone and corticosterone plasma levels in rats during general anaesthesia and abdominal surgery. Fromm M, et al. **Pflugers Arch** 1983 Dec;399(4):249–54

Abdominal incisions—vertical or transverse? Ellis H, et al. **Postgrad Med J** 1984 Jun;60(704):407–10

Prophylaxis for intraabdominal surgery. Nichols RL. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl 1:S276–82 (38 ref.)

Heterotopic bone formation in abdominal midline scars. Lohela P, et al. **ROFO** 1983 Oct;139(4):412–5

Antimicrobial therapy of infections following abdominal surgery. Schreiner A. **Scand J Gastroenterol [Suppl]** 1984; 90:77–81

Abdominal sepsis in the surgical intensive care unit. Herman CM. **Surg Annu** 1984;16:1–12 (26 ref.)

Management of abdominal wounds. Kenady DE. **Surg Clin North Am** 1984 Aug;64(4):803–7

A simple retraction device for operations upon the abdomen. Rao PS. **Surg Gynecol Obstet** 1984 Mar;158(3):290–1

Improved method for intra-abdominal drainage. Vercoutere AL, et al. **Surg Gynecol Obstet** 1984 Jun;158(6):587–8

Abdominal wound closure—a comparison of monofilament nylon and polydioxanone [letter] Leese T, et al. **Surgery** 1984 Jan;95(1):125–6

Fibrinolytic activity in plasma and deep vein thrombosis after major abdominal surgery. Mellbring G, et al. **Thromb Res** 1983 Dec 15;32(6):575–84

Exploratory celiotomy in the diagnosis of gastrointestinal diseases. Crane SW. **Vet Clin North Am [Small Anim Pract]** 1983 Aug; 13(3):477–83

Open treatment of abdominal septic catastrophies. Broomé A, et al. **World J Surg** 1983 Nov;7(6):792–6

Decision-making process in abdominal surgery in the geriatric patient. Reiss R, et al. **World J Surg** 1983 Jul; 7(4):522–6

Diabetes and abdominal surgery: the mutual risks. Gusberg RJ, et al. **Yale J Biol Med** 1983 Jul–Aug;56(4):285–91

[Total venous anesthesia with flunitrazepam and ketamine in surgical abdominal gynecology] Chernev Ch, et al. **Akush Ginekol (Sofiia)** 1983;22(4):322–5 (Eng. Abstr.) **(Bul)**

[Indications and contraindications for laparoscopy in abdominal surgery] Ivanov S. **Khirurgiia (Sofiia)** 1983; 36(5):498–501 (Eng. Abstr.) **(Bul)**

[A trial of targeted nutritional action in severe surgical abdominal intervention with complications] Stoeva I. **Vutr Boles** 1984;23(3):25–9 (Eng. Abstr.) **(Bul)**

[Treatment of severe wound infection after laparotomy by early resuturing] Moesgaard F, et al. **Ugeskr Laeger** 1983 Oct 10;145(41):3160–2 (Eng. Abstr.) **(Dan)**

[Venous thromboses caused by central catheters. Phlebographic study of 41 cases] Frère D, et al. **Ann Chir** 1983 May;37(4):286–90 (Eng. Abstr.) **(Fre)**

[Treatment of eviscerations by an absorbable endoprosthesis] Samama G, et al. **Ann Chir** 1983 Dec;37(9):685–8 (Eng. Abstr.) **(Fre)**

[Drains in abdominal digestive surgery] Bérard P, et al. **Ann Fr Anesth Reanim** 1983;2(1):47–55 (29 ref.) **(Fre)**

[Advantages and dangers of fixation of the small intestine. Apropos of 166 cases surgically treated over 30 years] Reymond JC. **Chirurgie** 1984;110(3):297–303 (Eng. Abstr.) **(Fre)**

[Closing of median laparotomies: interrupted versus continuous sutures using slow absorption thread] Meyer P. **Helv Chir Acta** 1984 Jun;51(2):303–7 (Eng. Abstr.) **(Fre)**

[Large non-covered abdominal eviscerations. Secondary parietal repair] Orsoni JL, et al. **Presse Med** 1983 Oct 1; 12(34):2107–9 (Eng. Abstr.) **(Fre)**

[Abdominal migration of intrauterine devices. Apropos of 4 devices removed using celioscopy] Moulay A, et al. **Sem Hop Paris** 1983 Nov 17;59(42):2905–9 (Eng. Abstr.) **(Fre)**

[Pregnancy and cosmetic surgery] Brodeur A, et al. **Union Med Can** 1984 Mar;113(3):169–71, 164 (Eng. Abstr.) **(Fre)**

[The effect of intraoperative PEEP ventilation and postoperative CPAP breathing on postoperative lung function following upper abdominal surgery] Lotz P, et al. **Anaesthesist** 1984 Apr;33(4):177–88 (Eng. Abstr.) **(Ger)**

[Buprenorphine and pentazocine for postoperative analgesia. A double blind study following abdominal surgery] Piepenbrock S, et al. **Anaesthesist** 1983 Dec;32(12):601–9 (Eng. Abstr.) **(Ger)**

[Individualized treatment of postoperative pain using a small externally portable programmable morphine pump] Chrubasik J. **Anasth Intensivther Notfallmed** 1984 Feb; 19(1):30–3 (Eng. Abstr.) **(Ger)**

[Operative strategy in abdominal surgery in the aged: standard technics and alternatives] Witte J, et al. **Chirurg** 1984 Feb;55(2):79–86 **(Ger)**

[Sterilization by colpoceliotomy] Heidenreich W. **Fortschr Med** 1983 Nov 3;101(41):1855–9 (Eng. Abstr.) **(Ger)**

[Changes in hemodynamics in abdominal interventions] Frede KE. **Helv Chir Acta** 1984 Apr;51(1):131–5 (Eng. Abstr.) **(Ger)**

[Depression of fibrinolytic activity in the abdomen following gynecologic surgery. Prevention of adhesions using a fibrinolytic agent] Wendt P, et al. **Med Welt** 1983 Oct 14; 34(41):1145–51 **(Ger)**

[Sonography and computed tomography in postoperative abdominal abscesses] Voegeli E, et al. **Radiologe** 1984 Feb; 24(2):90–4 (Eng. Abstr.) **(Ger)**

[Current status of laparoscopy in gynecology] Kolmorgen K, et al. **Z Arztl Fortbild (Jena)** 1983;77(24):997–1001 **(Ger)**

[Programmed 'interval' irrigation of the abdomen – a therapeutic principle also for peritonitis in newborn infants] Höcht B, et al. **Zentralbl Chir** 1984;109(4):280–2 **(Ger)**

[Chronic abdominal pain in childhood. Surgical treatment] Menardi G. **ZFA (Stuttgart)** 1983 Aug 10;59(22):1199–201 **(Ger)**

[Usefulness of antibiotic prophylaxis in emergency abdominal surgery] Pesce GL, et al. **Arch Sci Med (Torino)** 1983 Oct–Dec;140(4):361–3 (Eng. Abstr.) **(Ita)**

[Lefetamine in the control of post-operative pain in abdominal surgery] Salvatici A, et al. **Minerva Anestesiol** 1984 Mar;50(3):107–10 (Eng. Abstr.) **(Ita)**

[The use of cefoxitin in high-risk surgical patients] Enrichens F, et al. **Minerva Chir** 1984 Feb 28;39(4):225–30 (47 ref.) (Eng. Abstr.) **(Ita)**

[Short-term prevention with clindamycin and gentamicin in abdominal surgery. Randomized study] Ferrari G, et al. **Minerva Chir** 1983 Jul 15–31;38(13–14):1089–94 (Eng. Abstr.) **(Ita)**

[Radiological study and hematochemical parameters in post-operative occlusive states] Tetti A, et al. **Minerva Ginecol** 1983 Nov;35(11):733–7 (Eng. Abstr.) **(Ita)**

[Antithrombin III and fibrinogen after surgical interventions on the abdomen and heart] Dassi E, et al. **Quad Sclavo Diagn** 1983 Sep;19(3):360–8 (Eng. Abstr.) **(Ita)**

[Metabolic and endocrine response to abdominal surgery during phentolamine infusion in man] Ishihara H, et al. **Masui** 1983 May;32(5):533–40 (Eng. Abstr.) **(Jpn)**

[Renal function after anesthesia and abnormal surgery. A comparative study between halothane and epidural anesthesia] Yasuma F, et al. **Nippon Geka Gakkai Zasshi** 1983 Dec;84(12):1243–50 (Eng. Abstr.) **(Jpn)**

[Intestinal motility and the serum motilin levels after abdominal surgery] Tani M. **Nippon Heikatsukin Gakkai Zasshi** 1983 Apr;19(2):65–79 (Eng. Abstr.) **(Jpn)**

[Epiploic plombage in the treatment of posthydatid residual cavities] Millea Z, et al. **Rev Chir [Chir]** 1983 Nov–Dec; 32(6):429–33 (Eng. Abstr.) **(Rum)**

[Changes in the hypophyseal-thyroid system of surgical patients operated on under ataralgesia] Togaĭbaev AA, et al. **Anesteziol Reanimatol** 1984 Mar–Apr;(2):25–7 (Eng. Abstr.) **(Rus)**

[Diagnosis of postoperative abdominal complications (review of the literature)] Buianov VM, et al. **Khirurgiia (Mosk)** 1983 Oct;(10):148–51 (53 ref.) **(Rus)**

[Central hemodynamic changes in operations on the abdominal organs in children] Doletskiĭ AS, et al. **Khirurgiia (Mosk)** 1984 Mar;(3):52–5 (Eng. Abstr.) **(Rus)**

[Risk factors of purulent inflammatory complications in surgery of the organs of the abdominal cavity] Pomelov VS, et al. **Khirurgiia (Mosk)** 1983 Oct;(10):120–4 **(Rus)**

[Planned simultaneous surgery in postoperative ventral hernia] Iatsentiuk MN, et al. **Klin Khir** 1984 Feb;(2):58–60 (Eng. Abstr.) **(Rus)**

[Use of KL-3 glue in combination with antibiotics in emergency and selective abdominal surgery] Mikuliak RV. **Klin Khir** 1984 Jan;(1):25–7 (Eng. Abstr.) **(Rus)**

[Use of roentgenotherapy in patients with inflammatory complications after surgery of the abdominal organs] Ogonovskiĭ VK. **Klin Khir** 1984 Jan;(1):58–9 (Eng. Abstr.) **(Rus)**

[Residual abscesses of the abdominal cavity after emergency and selective surgery] Portnoĭ IuM. **Klin Khir** 1984 Jan; (1):14–7 (Eng. Abstr.) **(Rus)**

[Use of antimicrobial preparations in preventing the suppurative complications of abdominal operations] Korepanova VI, et al. **Sov Med** 1984;(1):73–7 **(Rus)**

[Tumor of a testis repositioned into the abdominal cavity] Bukharkin BV, et al. **Urol Nefrol (Mosk)** 1984 May–Jun; (3):66 **(Rus)**

[Prevention of suppuration of surgical wounds in abdominal surgery] Korepanov VI, et al. **Vestn Khir** 1984 Jun; 132(6):129–34 (Eng. Abstr.) **(Rus)**

[Preventive use of antibiotics in planned abdominal surgery (review of foreign literature)] Kuzin MI, et al. **Vestn Khir** 1983 Nov;131(11):131–5 (39 ref.) **(Rus)**

[A technic to avoid postoperative intestinal hypodynamia] Pérez Rodríguez J, et al. **An Esp Pediatr** 1984 Apr 15; 20(6):583–7 (Eng. Abstr.) **(Spa)**

[Acute intermittent porphyria and anesthesia: presentation of 2 cases] Aguilar Sánchez JL, et al. **Rev Esp Anestesiol Reanim** 1983 Sep–Oct;30(5):211–5 (Eng. Abstr.) **(Spa)**

ABDOMEN, ACUTE

Ventriculoperitoneal shunt infection masquerading as an acute surgical abdomen. Reynolds M, et al. **J Pediatr Surg** 1983 Dec;18(6):951–4

COMPLICATIONS

Abdominal distension in very low birth weight, small for gestational age infants [letter] Mimouni F, et al. **Clin Pediatr (Phila)** 1984 Sep;23(9):526

[Acute surgical diseases of the organs of the abdominal cavity in mental patients] Fishchenko AIa, et al. **Klin Khir** 1984 Apr;(4):52–3 **(Rus)**

DIAGNOSIS

Diagnosis and outcome of bowel infarction on an acute medical service. Cooke M, et al. **Am J Med** 1983 Dec; 75(6):984–92

Presentation and diagnosis of acute abdominal pain in Finland: a computer aided study. Ikonen JK, et al. **Ann Chir Gynaecol** 1983;72(6):332–6

The role of peritoneal lavage in diagnosis of abdominal emergencies. Ismail A, et al. **Br J Clin Pract** 1984 Apr; 38(4):125–9

Medical diagnosis aboard submarines. Use of a computer-based Bayesian method of analysis in an abdominal pain diagnostic program. Osborne SF. **J Occup Med** 1984 Feb;26(2):110–4

Discitis and the acute abdomen in childhood [editorial] **Lancet** 1984 Jul 7;2(8393):23–4

[Limy bile] Christensen M. **Ugeskr Laeger** 1983 Oct 3; 145(40):3101–2 (Eng. Abstr.) **(Dan)**

[Aid to diagnosis and decision making in an acute abdominal pain syndrome] **Rev Epidemiol Sante Publique** 1984; 32(1):40–4 (Eng. Abstr.) **(Fre)**

[Differential diagnosis of acute pain in the pelvic region] Brockerhoff P. **Gynakologe** 1984 Jun;17(2):138–42 **(Ger)**

[The value of peritoneal lavage in acute abdomen of uncertain origin] Säuberli H. **Helv Chir Acta** 1984 Jun;51(2):309–13 (Eng. Abstr.) **(Ger)**

[Acute abdomen] Gessner J. **Z Arztl Fortbild (Jena)** 1983; 77(13):572–4 **(Ger)**

[Diagnosis of postoperative abdominal complications (review of the literature)] Buianov VM, et al. **Khirurgiia (Mosk)** 1983 Oct;(10):148–51 (53 ref.) **(Rus)**

[Ultrasonic diagnosis in acute surgical diseases of the organs of the abdominal cavity] Dubrov EIa, et al. **Khirurgiia (Mosk)** 1984 Jan;(1):89–91 (Eng. Abstr.) **(Rus)**

[Principles of the 2-stage diagnosis of acute surgical diseases of the abdominal organs in children] Grigovich IN. **Klin Khir** 1984 Jun;(6):7–10 (Eng. Abstr.) **(Rus)**

[Cutaneous thermometry of the anterior abdominal wall in emergency surgery] Svitich IuM, et al. **Klin Khir** 1984 Apr; (4):55 **(Rus)**

[Differential diagnosis of the abdominal form of myocardial infarct] Pashchenko IG, et al. **Klin Med (Mosk)** 1984 Mar; 62(3):31–5 (Eng. Abstr.) **(Rus)**

[Mistakes in the diagnosis of acute pancreatitis] Taranenko LD, et al. **Klin Med (Mosk)** 1984 May;62(5):73–6 **(Rus)**

[Endoscopy in emergency conditions of the abdominal organs] Belichenko IA, et al. **Sov Med** 1983;(7):92–5 **(Rus)**

[Acute abdomen] Smagin VG, et al. **Ter Arkh** 1983; 55(11):86–91 **(Rus)**

[Mistakes in the diagnosis of acute associated diseases of the abdominal organs] Mazchenko NS, et al. **Vestn Khir** 1984 Mar;132(3):131–2 **(Rus)**

[Organization of emergency endoscopic and roentgenological examinations in acute surgical diseases and injuries of the abdomen] Nikishin VK. **Vestn Khir** 1984 May;132(5):115–7 **(Rus)**

[Crohn's disease within the picture of the acute abdomen] Pavúr J, et al. **Rozhl Chir** 1984 Jun;63(6):436–8 (Eng. Abstr.) **(Slo)**

[Primary gastrointestinal lymphoma—differential diagnosis of acute abdomen] Bäck H, et al. **Lakartidningen** 1983 Jul 27;80(30–31):2839–40 **(Swe)**

DRUG THERAPY

[Can we utilize current bacteriological diagnostic methods for the purpose of drug selection?] Dzierżanowska D. **Przegl Lek** 1984;41(3):287–91 **(Pol)**

[Endolymphatic administration of antibiotics in surgical diseases of the abdominal organs] Ermolov AS, et al. **Khirurgiia (Mosk)** 1984 Apr;(4):39–43 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

[State of the system of proteolytic enzyme inhibitors in inflammatory destructive processes in the abdominal cavity] Protsenko AV, et al. **Khirurgiia (Mosk)** 1984 Apr; (4):49–52 (Eng. Abstr.) **(Rus)**

ETIOLOGY

The Yersinia enterocolitica infection in acute abdominal surgery. A clinical study with a 5-year follow-up period. Saebø A. **Ann Surg** 1983 Dec;198(6):760–5

Acute abdomen in systemic lupus erythematosus. Hossain J, et al. **Br J Clin Pract** 1984 Jan;38(1):31, 34

An unusual case of spontaneous rupture of the ureter presenting as an acute abdomen. Umpleby HC. **Br J Urol** 1983 Oct;55(5):574–5

Upper gastrointestinal endoscopy in systemic vasculitis presenting as an acute abdomen. Shepherd HA, et al. **Endoscopy** 1983 Sep;15(5):307–11

Acute surgical abdomen caused by thrombocytopenia in patients with acute leukemia and multiple myeloma. Kornberg A, et al. **Isr J Med Sci** 1983 Dec;19(12):1094–6

The teaching associate in an expanded role: simulation of the acute abdomen. Guenther SM, et al. **J Am Med Wom Assoc** 1984 Mar–Apr;39(2):53

The acute abdomen in the immunologically compromised child. Schaller RT Jr, et al. **J Pediatr Surg** 1983 Dec; 18(6):937–44

Infarction of the gallbladder--an unusual cause of acute abdomen in the neonate. Yazdani M, et al. **J Pediatr Surg** 1983 Oct;18(5):630-1

Unusual cause of acute abdomen in the puerperium. Hill GA, et al. **J Tenn Med Assoc** 1984 Jul;77(7):390-1

Cecal ulcers. **Janusz AJ. SD J Med** 1984 Apr;37(4):25-6

Gonococcal salpingitis versus acute appendicitis: caution in diagnosis. Odugbemi TO, et al. **Trop Doct** 1984 Jan;14(1):44

[Infarction of a lipoma in the round ligament of the liver causing acute abdomen] Adamsen S. **Ugeskr Laeger** 1983 Oct 17;145(42):3259 (Eng. Abstr.) **(Dan)**

[Spontaneous perforation of the small intestine as rare cause of acute abdomen] Bindewald H. **Chirurg** 1983 Sep; 54(9):605-8 (Eng. Abstr.) **(Ger)**

[Significance of sonography in internal acute diagnosis] Schölmerich J, et al. **Med Welt** 1984 Jan 13;35(1-2):67-71 **(Ger)**

[Acute abdomen - diabetic pseudoperitonitis?] Biewald W, et al. **Zentralbl Chir** 1984;109(4):273-5 **(Ger)**

[Spontaneous perforation of the colon associated with hypothyroidism] Sirik Z, et al. **Harefuah** 1983 Mar 1; 104(5):181-2 (Eng. Abstr.) **(Heb)**

[Acute abdomen caused by gynecologic pathology] Blasi A, et al. **Recenti Prog Med** 1983 Dec;74(12):1410-23 (Eng. Abstr.) **(Ita)**

[Trauma and acute abdomen] Solheim K. **Tidsskr Nor Laegeforen** 1983 Sep 30;103(27):1885-9 (Eng. Abstr.) **(Nor)**

[Acute cholecystopancreatitis. Anatomo-clinical and therapeutic correlations] Chifan M, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Jan-Mar;87(1):53-5 (Eng. Abstr.) **(Rum)**

['Acute abdomen' syndrome in cirrhosis of the liver] Mizaushev BA. **Klin Khir** 1984 Apr;(4):44-5 **(Rus)**

[Exacerbation of terminal ileitis manifested by an acute abdomen] Deeva IuP, et al. **Ter Arkh** 1983;55(11):91-2 (Eng. Abstr.) **(Rus)**

[Acute abdomen in an adult with undiagnosed cystic fibrosis (letter)] Barneo Serra L, et al. **Med Clin (Barc)** 1983 Oct 22;81(12):549-50 **(Spa)**

[Strangulated femoral hernia - important differential diagnosis in acute abdomen] Sjöberg F, et al. **Lakartidningen** 1983 Oct 26;80(43):4055-6 (Eng. Abstr.) **(Swe)**

OCCURRENCE

[Acute abdomen in the aged] Solheim K. **Tidsskr Nor Laegeforen** 1984 May 10;104(13):885-6 (Eng. Abstr.) **(Nor)**

[Acute abdomen in patients over 60] Miček F, et al. **Rozhl Chir** 1984 Mar;63(3):178-82 (Eng. Abstr.) **(Slo)**

PHYSIOPATHOLOGY

[Determination of the volume of mobile and total extracellular fluid using a single indicator in grave surgical patients] Lin'kov VA, et al. **Anesteziol Reanimatol** 1984 Jan-Feb;(1):14-6 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Plain films: the acute abdomen. Field S. **Clin Gastroenterol** 1984 Jan;13(1):3-40 (42 ref.)

A pilot evaluation of radiography of the acute abdomen. Hayward MW, et al. **Clin Radiol** 1984 Jul;35(4):289-91

[Acute abdomen] Reinbold WD, et al. **Radiologe** 1984 Jun; 24(6):299-300 **(Ger)**

[Value of computerized tomography in the radiological diagnosis of acute abdomen] Schindler G. **Rontgenpraxis** 1984 Feb;37(2):48-57 (35 ref.) **(Ger)**

SURGERY

Decision-making process in abdominal surgery in the geriatric patient. Reiss R, et al. **World J Surg** 1983 Jul; 7(4):522-6

[Acute complications of adhesion syndromes] Ferraris R, et al. **Minerva Chir** 1984 Jan 15-31;39(1-2):47-58 (Eng. Abstr.) **(Ita)**

[Method of focused analysis and reduction of late hospitalization of patients with acute surgical diseases] Izbenko GS, et al. **Klin Khir** 1984 May;(5):42-4 **(Rus)**

[Residual abscesses of the abdominal cavity after emergency and selective surgery] Portnoĭ IuM. **Klin Khir** 1984 Jan; (1):14-7 (Eng. Abstr.) **(Rus)**

[Pathology of the omental processes of the large intestine in emergency surgery of the abdominal cavity] Skripnichenko DF, et al. **Klin Khir** 1984 Mar;(3):59 **(Rus)**

[Hemobilia in emergency surgery of the abdominal organs] Zheleznyĭ VI, et al. **Klin Khir** 1983 Sep;(9):60 **(Rus)**

[Probability algorithm in the diagnosis of pneumonia after emergency operations on the abdominal organs] Mintser OP, et al. **Klin Med (Mosk)** 1983 Dec;61(12):101-5 (Eng. Abstr.) **(Rus)**

[Ways of reducing mortality in emergency abdominal surgery] Maiat VS. **Sov Med** 1984;(4):3-6 **(Rus)**

[Automated diagnosis of early complications following emergency surgery on organs of the abdominal cavity] Mintser OP, et al. **Sov Med** 1983;(9):17-21 (Eng. Abstr.) **(Rus)**

[Choice of a method of intestinal decompression for prevention and treatment of postoperative intestinal obstruction] Demidov GI, et al. **Vestn Khir** 1984 Feb; 132(2):39-42 (Eng. Abstr.) **(Rus)**

THERAPY

[Advances in the research of combined traditional Chinese and western medicine for the treatment of acute abdomen] Zheng XL. **Chung Hsi I Chieh Ho Tsa Chih** 1983 Jul; 3(4):253-5 **(Chi)**

[Recurrent progressive epifascial phlegmon] Burkhanov KB. **Vestn Khir** 1984 Jun;132(6):58 **(Rus)**

VETERINARY

The acute abdomen. Dillon AR, et al. **Vet Clin North Am [Small Anim Pract]** 1983 Aug; 13(3):461-75

ABDOMINAL CRAMPS see **COLIC**

ABDOMINAL INJURIES

[Injuries of the pelvis, its bones and soft tissues. b) Soft tissues of the pelvis] **Langenbecks Arch Chir** 1983;361:185-239 **(Ger)**

[A case of testicular tumor with uncommon clinical course: testicular lesion that was initially not palpable led to a wrong diagnosis of huge retroperitoneal hematoma due to trauma] Oki M, et al. **Hinyokika Kiyo** 1984 Jan;30(1):77-80 (Eng. Abstr.) **(Jpn)**

BLOOD

Peritoneal lavage red blood cell and white blood cell count: a prospective comparison of usefulness. Meyer E, et al. **Henry Ford Hosp Med J** 1984;32(1):53-6

[Diagnostic and prognostic value of indicators of the hemostasis system in closed abdominal injuries] Luk'ianets BG. **Vestn Khir** 1984 May;132(5):73-5 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Fluorescein angiography in the evaluation of intestinal intramural haemorrhage after trauma. Johansson L, et al. **Acta Chir Scand** 1984;150(1):57-61

Intestinal intramural haemorrhage after abdominal missile trauma--clinical classification and prognosis. Johansson L, et al. **Acta Chir Scand** 1984;150(1):51-6

Intestinal intramural haemorrhage after blunt abdominal trauma. Johansson L, et al. **Acta Chir Scand** 1984; 150(2):165-71

Rh isoimmunization following abdominal trauma: a case report. Chhibber G, et al. **Am J Obstet Gynecol** 1984 Jul 15;149(6):692

Gastric rupture from blunt trauma. A plea for minimal diagnostics and early surgery. Courcy PA, et al. **Am Surg** 1984 Aug;50(8):424-7

Evaluation of efficacy of cefoxitin in the prevention of abdominal trauma infections. Mbawa NC, et al. **Am Surg** 1983 Nov;49(11):582-5

Acute renal failure subsequent to increased intra-abdominal pressure [letter] **Ann Surg** 1983 Nov;198(5):667-8

Is measurement of girth of value in assessing intraperitoneal bleeding after trauma? Finlayson DF, et al. **Br Med J [Clin Res]** 1983 Sep 10;287(6394):728

Abdominal trauma during pregnancy. Lavin JP Jr, et al. **Clin Perinatol** 1983 Jun;10(2):423-38 (71 ref.)

Isolated injury to the intestine from blunt abdominal injury. Rouse T, et al. **Injury** 1984 Sep;16(2):131-3

Rupture of the diaphragm by blunt trauma as a marker of injury severity. van der Werken C, et al. **Injury** 1983 Nov; 15(3):149-52

Perforation of normal rectum following violent abdominal strain. Karunaharan T. **Ir Med J** 1984 Jan;77(1):13

Blunt abdominal trauma with unrecognized urinary tract injury. Starinsky R, et al. **Isr J Med Sci** 1984 May; 20(5):401-4

Duodenal stenosis from retroperitoneal fibrosis secondary to traumatic retroperitoneal hematoma: a case report. Giubilei D, et al. **Ital J Surg Sci** 1983;13(4):293-8

Aortic false aneurysm following blunt trauma of the abdomen. Bass A, et al. **J Trauma** 1983 Dec;23(12):1072-3

Abdominal sepsis in the surgical intensive care unit. Herman CM. **Surg Annu** 1984;16:1-12 (26 ref.)

Ureteral obstruction by shotgun pellet seven years after injury. Gutman H, et al. **Urology** 1984 Feb;23(2):170-2

[Wounds of the small intestine in closed injuries of the abdomen. Apropos of 14 cases] Pouget X, et al. **Ann Chir** 1983 Sep;37(6):389-92 (Eng. Abstr.) **(Fre)**

[Perforations of the small intestine in closed injuries of the abdomen. Apropos of 63 cases] Oliveira FJ, et al. **J Chir (Paris)** 1984 Feb;121(2):97-100 (Eng. Abstr.) **(Fre)**

[Pancreas transection by an abdominal contusion in a 12-year-old child] El Fares F, et al. **Maroc Med** 1983 Jun; 5(2):192-8 (Eng. Abstr.) **(Fre)**

[Duodeno-cutaneous fistula following injury] Voirol M, et al. **Rev Med Suisse Romande** 1984 May;104(5):369-72 **(Fre)**

[Rupture of the bladder in blunt abdominal injuries] Jonitz H, et al. **Helv Chir Acta** 1983 Jun;50(3):231-4 (Eng. Abstr.) **(Ger)**

[Lesions of the gastric mucosa caused by blunt abdominal injury] Maurer G, et al. **Z Gesamte Inn Med** 1984 Mar 15;39(6):105-6 (Eng. Abstr.) **(Ger)**

[Lesion of the superior mesenteric vessels in closed injuries of the abdomen] Girolimoni G, et al. **Ann Ital Chir** 1983; 55(2):145-59 (42 ref.) **(Ita)**

[Trauma and acute abdomen] Solheim K. **Tidsskr Nor Laegeforen** 1983 Sep 30;103(27):1885-9 (Eng. Abstr.) **(Nor)**

[Case of abdominal gunshot wound with multiple intestinal injuries] Wójcik K, et al. **Wiad Lek** 1983 Sep 1; 36(17):1441-4 (Eng. Abstr.) **(Pol)**

[Abdominal injuries. Personal experience with 255 cases] Jitariu I, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Oct-Dec;87(4):561-6 (Eng. Abstr.) **(Rum)**

[Posttraumatic acute renal failure in pregnancy] Ortenberg GK, et al. **Akush Ginekol (Mosk)** 1984 Mar;(3):76 **(Rus)**

[Thoraco-abdominal injuries] Avilova OM, et al. **Klin Khir** 1984 Apr;(4):6-9 (Eng. Abstr.) **(Rus)**

[Hemosorption in the treatment of toxemia and septic conditions after severe mechanical trauma] Deriabin II, et al. **Vestn Khir** 1984 May;132(5):103-6 (Eng. Abstr.) **(Rus)**

[Penetrating knife wound of the abdomen complicated by putrefactive infection of the anterior abdominal wall] Luk'ianov LM, et al. **Vestn Khir** 1984 Jul;132(7):81 **(Rus)**

DIAGNOSIS

The value of sequential peritoneal profile in blunt abdominal trauma. Kusminsky RE, et al. **Am Surg** 1984 May; 50(5):248-53

Diagnostic peritoneal lavage in blunt trauma patients with coagulopathy. Berry TK, et al. **Ann Emerg Med** 1984 Oct; 13(10):879-80

Open versus closed diagnostic peritoneal lavage. A multiphasic prospective randomized comparison. Cochran W, et al. **Ann Surg** 1984 Jul;200(1):24-8

Surgical judgment in the management of abdominal stab wounds. Utilizing clinical criteria from a 10-year experience. Lee WC, et al. **Ann Surg** 1984 May; 199(5):549-54

A prospective study comparing nuclear scintigraphy and computerized axial tomography in the initial evaluation of the trauma patient. Uthoff LB, et al. **Ann Surg** 1983 Nov; 198(5):611-6

Peritoneal lavage. Reliability of RBC count in patients with stab wounds to the chest. Thal ER. **Arch Surg** 1984 May; 119(5):579-84

Blunt abdominal trauma simulating Crohn's disease of the terminal ileum. Brownstein EG. **Aust NZ J Surg** 1984 Jun; 54(3):287-9

Omental evisceration through an abdominal stab wound: is exploratory laparotomy mandatory? Medina M, et al. **Can J Surg** 1984 Jul;27(4):399-401

Gunshot wounds to the buttocks. Vo NM, et al. **Conn Med** 1983 Nov;47(11):685-6

Diagnostic criteria for peritoneal lavage in penetrating trauma. Griffin JB, et al. **Curr Surg** 1983 Sep-Oct; 40(5):351-3

The diagnosis of intra-abdominal injury in patients with cervical cord trauma. Soderstrom CA, et al. **J Trauma** 1983 Dec;23(12):1061-5

Peritoneal lavage white cell counts [letter] **JAMA** 1983 Dec 23-30;250(24):3282

Diagnostic peritoneal lavage--the Brooke Army Medical Center experience. Solla JA, et al. **Milit Med** 1984 Aug; 149(8):482-4

Ultrasonography and computed tomography in the evaluation of the acutely ill pediatric patient. Babcock DS, et al. **Radiol Clin North Am** 1983 Sep;21(3):527-50

Diagnostic imaging in blunt trauma of the abdomen. Jones TK, et al. **Surg Gynecol Obstet** 1983 Oct;157(4):389-98 (122 ref.)

[Closed abdominal injuries: importance and results of peritoneal puncture-lavage] Druart ML, et al. **Acta Chir Belg** 1984 May-Jun;84(3):165-9 (Eng. Abstr.) **(Fre)**

[Computed tomography in abdominal and thoracic trauma; comparative evaluation with abdominal ultrasonography and chest radiography] Klels E, et al. **J Belge Radiol** 1983; 66(1):31-8 (Eng. Abstr.) **(Fre)**

[Ultrasound diagnosis following blunt abdominal injury in childhood] Schulz RD, et al. **Ultraschall Med** 1983 Sep; 4(3):154-9 (Eng. Abstr.) **(Ger)**

[Capacity for activity in penetrating and blunt abdominal injuries] Saternus KS, et al. **Z Rechtsmed** 1983;91(2):101-14 (Eng. Abstr.) **(Ger)**

[Pancreas injuries following blunt abdominal trauma] Clemens M, et al. **Z Unfallchir Versicherungsmed Berufskr** 1984;77(1):31-7 **(Ger)**

[Peritoneal irrigation in the diagnosis of intra-abdominal organ injuries in blunt thoracic injuries] Belgerden S, et al. **Zentralbl Chir** 1984;109(6):433-5 **(Ger)**

[Diagnostic significance of echography in the intensive care of closed abdominal injuries] Testasecca D, et al. **Minerva Anestesiol** 1984 Jan-Feb;50(1-2):19-24 (Eng. Abstr.) **(Ita)**

[Echographic symptomatology of closed abdominal injuries] Cardinale A, et al. **Minerva Med** 1984 Mar 31;75(13):725-30 (Eng. Abstr.) **(Ita)**

[Diagnostic peritoneal lavage in abdominal injuries] Fontes B, et al. **Rev Paul Med** 1984 May-Jun;102(3):104-8 (Eng.

Abstr.) (Por)
[Diagnosis and treatment of thoracico-abdominal wounds] Infant'ev OE, et al. **Klin Khir** 1983 Oct;(10):28-30 (Eng. Abstr.) (Rus)
[Closed and open abdominal injuries] Mamedov IM, et al. **Klin Khir** 1984 Jun;(6):61-2 (Rus)
[Diagnosis and treatment of closed abdominal injuries] Skripnichenko DF, et al. **Klin Khir** 1984 Apr;(4):1-3 (Eng. Abstr.) (Rus)
[Laparoscopy in penetrating thoraco-abdominal wounds] Buianov VM, et al. **Vestn Khir** 1984 Jun;132(6):65-7 (Eng. Abstr.) (Rus)
[Microlaparotomy in the diagnosis of abdominal injuries associated with cranio-cerebral trauma in children] Kuliev ChB, et al. **Vestn Khir** 1983 Oct;131(10):97-100 (Eng. Abstr.) (Rus)
[Organization of emergency endoscopic and roentgenological examinations in acute surgical diseases and injuries of the abdomen] Nikishin VK. **Vestn Khir** 1984 May;132(5):115-7 (Rus)
[An isolated wound of the gallbladder in thoraco-abdominal injury] Sokolov PN, et al. **Vestn Khir** 1983 Sep;131(9):100-1 (Rus)

DRUG THERAPY

Preoperative antibiotics for abdominal gunshot wounds. A prospective, randomized study. Moore FA, et al. **Am J Surg** 1983 Dec;146(6):762-5
[Use of thymalin and kontrikal in the treatment of patients with injuries of the abdominal organs] Salamatin BN, et al. **Vestn Khir** 1983 Sep;131(9):81-5 (Eng. Abstr.) (Rus)

ETIOLOGY

Lap belt injuries [letter] Kuchtaruk A. **Can Med Assoc J** 1984 Feb 15;130(4):349-50
Closed and penetrating abdominal injuries in Nigerian Igbos. Nwabunike T. **Injury** 1984 May;15(6):372-5
Severe thoracic and abdominal injuries associated with lap-harness seatbelts. Woelfel GF, et al. **J Trauma** 1984 Feb;24(2):166-7

OCCURRENCE

Penetrating stab injuries of the chest and abdomen. Lambrianides AL, et al. **Injury** 1984 Mar;15(5):300-3
Changing trends with abdominal injury in seatbelt wearers. Denis R, et al. **J Trauma** 1983 Nov;23(11):1007-8

PATHOLOGY

[Rupture of the abdominal aorta following blunt, non-penetrating abdominal trauma] Wozasek GE. **Unfallheilkunde** 1984 Mar;87(3):126-8 (Eng. Abstr.) (Ger)
[Isolated rupture of Meckel's diverticulum in closed abdominal injury] Averin VI, et al. **Khirurgiia (Mosk)** 1984 Mar;(3):131 (Rus)
[Case of penetrating multiple organ injury by a stake through the rectum with a peculiar clinical course] Temelkov T, et al. **Khirurgiia (Sofiia)** 1983;36(2):172-4 (Rus)
[Penetrating abdominal cavity wound in a shooting by a blank cartridge from a homemade weapon] Tsyganov KM, et al. **Sud Med Ekspert** 1983 Jul-Sep;26(3):53-4 (Rus)

PHYSIOPATHOLOGY

Reflex inhibition of gastric motility pathophysiological aspects. Glise H, et al. **Scand J Gastroenterol [Suppl]** 1984; 89:77-82
[Injuries of the ureter caused by external force] Sigel A, et al. **Urologe [Ausg A]** 1984 Jan;23(1):30-4 (Eng. Abstr.) (Ger)
[Changes in pulmonary physiopathology in intensive care in abdominal injuries] Santatecla V, et al. **Rev Esp Anestesiol Reanim** 1984 Mar-Apr;31(2):55-8 (Eng. Abstr.) (Spa)

RADIOGRAPHY

Upper abdominal trauma in children: imaging evaluation. Kaufman RA, et al. **AJR** 1984 Mar;142(3):449-60
CT diagnosis of unsuspected pneumothorax after blunt abdominal trauma. Wall SD, et al. **AJR** 1983 Nov; 141(5):919-21
Computerized tomography in the evaluation of blunt abdominal trauma. Nelson EW, et al. **Am J Surg** 1983 Dec; 146(6):751-4
CT of abdominal trauma. Federle MP. **CRC Crit Rev Diagn Imaging** 1983;19(4):257-316 (69 ref.)
Radiological evaluation of visceral injuries in the battered child syndrome. Kirks DR. **Pediatr Ann** 1983 Dec; 12(12):888-93
Blunt abdominal trauma and hollow viscus injury in children: the diagnostic value of plain radiography. Zahran M, et al. **Pediatr Radiol** 1984;14(5):304-9
Computed tomography of blunt abdominal trauma. Federle MP. **Radiol Clin North Am** 1983 Sep;21(3):461-75
[Computer tomography in traumatology. Abdominal injuries] Heller M, et al. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1984; 119:67-80 (Ger)
[Emergency angiography in the diagnosis of nonpenetrating injuries of the abdominal organs] Shapkin VS, et al. **Vestn Khir** 1983 Jul;131(7):83-9 (Eng. Abstr.) (Rus)

RADIONUCLIDE IMAGING

Rapid resolution of spleen scan changes after trauma. Morayati S, et al. **Clin Nucl Med** 1983 Sep;8(9):440
[Diagnostic importance of scintigraphy in abdominal injuries] Mussa GC, et al. **Minerva Pediatr** 1984 Jan 31;36(1-2):23-30 (Eng. Abstr.) (Ita)

SURGERY

Intra-operative irrigation of the peritoneal cavity with ampicillin in experimental posttraumatic peritonitis. Nyström PO, et al. **Acta Chir Scand** 1984;150(1):45-9
Blunt abdominal trauma. A 5-year analysis of 870 patients requiring celiotomy. Cox EF. **Ann Surg** 1984 Apr; 199(4):467-74
Stab wounds of the anterior abdomen. Analysis of a management plan using local wound exploration and quantitative peritoneal lavage. Oreskovich MR, et al. **Ann Surg** 1983 Oct;198(4):411-9
Risk of infection following laparotomy for penetrating abdominal injury. Dellinger EP, et al. **Arch Surg** 1984 Jan; 119(1):20-7
Single layer abdominal wound closure in children. Narasimharao KL, et al. **Aust NZ J Surg** 1983 Dec; 53(6):577-9
Selective conservative management of penetrating abdominal wounds: a prospective study. Demetriades D, et al. **Br J Surg** 1984 Feb;71(2):92-4
Emergency thoracotomies for penetrating trauma. Washington B, et al. **Curr Surg** 1984 Jan-Feb;41(1):14-7
A prospective comparison of two regimens of prophylactic antibiotics in abdominal trauma: cefoxitin versus triple drug. Hofstetter SR, et al. **J Trauma** 1984 Apr;24(4):307-10
Outcome of resuscitative thoracotomy and descending aortic occlusion performed in the operating room. Millikan JS, et al. **J Trauma** 1984 May;24(5):387-92
[Serious thoracoabdominal injuries] Michek J, et al. **Rozhl Chir** 1983 Sep;62(8-9):624-7 (Eng. Abstr.) (Cze)
[Kwashiorkor-like syndrome in an adult after surgery for abdominal trauma] Sapuppo A. **G Ital Dermatol Venereol** 1983 Jan-Feb;118(1):21-6 (Eng. Abstr.) (Ita)
[Complications of injury to the retroperitoneal segment of the duodenum overlooked during surgery] Gutkowski R, et al. **Wiad Lek** 1983 Aug 1;36(15):1301-3 (Eng. Abstr.) (Pol)
[Isolated pancreatic injury during blunt abdominal injury in a child] Odinak VM. **Khirurgiia (Mosk)** 1983 Jul;(7):118 (Rus)
[Injury of the liver, stomach, pancreas, spleen and kidney after penetrating gunshot abdominal wounds] Aslanian SA, et al. **Klin Khir** 1983 Sep;(9):61 (Rus)
[Errors in treating thoracico-abdominal wounds] Teitel'baum IB, et al. **Klin Khir** 1983 Oct;(10):51-3 (Rus)
[Treatment of injuries of the musculoskeletal system associated with abdominal injuries] Trubnikov VF, et al. **Ortop Travmatol Protez** 1984 Feb;(2):1-7 (Eng. Abstr.) (Rus)
[Surgical treatment of thoracoabdominal wounds] Bisenkov LN. **Vestn Khir** 1983 Dec;131(12):58-62 (Eng. Abstr.) (Rus)
[Penetrating abdominal wound caused by a board with multiple organ injuries in a child] Khamdamov KhKh, et al. **Vestn Khir** 1983 Dec;131(12):81-2 (Rus)
[Stab wounds of the inferior vena cava, right hepatic vein, liver, stomach, pancreas and small and large intestines] Markelov SI, et al. **Vestn Khir** 1984 Jan;132(1):92-3 (Rus)

THERAPY

Peritoneal lavage in blunt abdominal trauma. Soballe PW. **Am Fam Physician** 1984 Mar;29(3):193-8
Blunt and penetrating abdominal injuries (a study of 51 cases). Deodhar SD, et al. **J Postgrad Med** 1983 Apr;29(2):96-9
Approaches to the management of shotgun injuries. Flint LM, et al. **J Trauma** 1984 May;24(5):415-9
Thoracic and abdominal injuries in skiers: the role of air evacuation. Jurkovich GJ, et al. **J Trauma** 1983 Sep; 23(9):844-8
[Emergency therapy of acute abdominal diseases] Sefrin P. **Intensivmed Prax** 1983 Oct;6:37-42 (Ger)
[Blood reinfusion in injuries of the thorax and abdomen] Abakumov MM, et al. **Vestn Khir** 1984 Apr;132(4):78-81 (Eng. Abstr.) (Rus)

ABDOMINAL NEOPLASMS

[Desmoid tumors of the abdominal wall] Rădulescu D, et al. **Rev Chir [Chir]** 1983 Nov-Dec;32(6):407-14 (Eng. Abstr.) (Rum)

CHEMICALLY INDUCED

Diffuse histiocytic lymphoma in a patient treated with cyclophosphamide for Wegener's granulomatosis. Ambrus JL Jr, et al. **Am J Med** 1984 Apr;76(4):745-7

COMPLICATIONS

Pseudo-porphyria in a patient with hepatocellular carcinoma. Pierach CA, et al. **Am J Med** 1984 Mar;76(3):545-8
Ascites progressing to an abdominal mass due to extramedullary hematopoiesis in a patient with agnogenic myeloid metaplasia (AMM). Marshall JB, et al. **Dig Dis Sci** 1983 Oct;28(10):912-7
[Continuous phentolamine perfusion in the treatment of severe arterial hypertension associated with neuroblastoma] Champoux L, et al. **Can Anaesth Soc J** 1984 Mar; 31(2):206-9 (Eng. Abstr.) (Fre)

DIAGNOSIS

NMR imaging of the abdomen at 0.12 T: initial clinical experience with a resistive magnet. Kressel HY, et al. **AJR** 1983 Dec;141(6):1179-86
Preoperative ultrasound and gallium-67 evaluation of abdominal non-Hodgkin's lymphoma. White L, et al. **Am J Dis Child** 1984 Aug;138(8):740-5
Abdominal Burkitt-type lymphomas in Algeria. Ladjadj Y, et al. **Br J Cancer** 1984 Apr;49(4):503-12
A case of Yersinia pseudotuberculosis septicemia accompanied by a large abdominal tumor. Nakamura M, et al. **Clin Pediatr (Phila)** 1984 Feb;23(2):121-3
Diabetes insipidus (presenting as a lump in abdomen). Barve JS, et al. **Indian J Med Sci** 1983 May;37(5):85-7
Dilated urinary bladders simulating abdominal masses: diagnosis with ultrasound. Edell SL, et al. **J Am Osteopath Assoc** 1983 Sep;83(1):21-3
Sonographic appearance of an abdominal cystic lymphangioma. Nicolet V, et al. **J Ultrasound Med** 1984 Feb;3(2):85-6
Urachal carcinoma: case report and review of literature. Rajaram P, et al. **Md State Med J** 1983 Oct;32(10):770-2
Laparoscopy at Baragwanath Hospital, Johannesburg. Adamthwaite DN. **S Afr Med J** 1984 Apr 14;65(15):612-3
Limits of conventional abdominal sonography and features of endoscopic sonography. Strohm WD. **Scand J Gastroenterol [Suppl]** 1984;94:7-12
Ultrasonic findings in lipoblastomatosis masquerading as neuroblastoma. Cunningham JJ. **Urology** 1983 Nov; 22(5):551-2
[Massive infarction of the spleen presenting as an abdominal tumor] Manchev I. **Khirurgiia (Sofiia)** 1983;36(5):486-8 (Bul)
[Ultrasonically guided percutaneous fine needle biopsy in the diagnosis of abdominal tumors] Xu GW. **Chung Hua Wai Ko Tsa Chih** 1983 Nov;21(11):682-3 (Eng. Abstr.) (Chi)
[Desmoid tumor with invasion of the bladder] Lundhus E, et al. **Ugeskr Laeger** 1984 Jan 9;146(2):112-3 (Eng. Abstr.) (Dan)
[Abdominal sympathoma in adults. Apropos of 3 cases, with review of the literature] Chevallier B, et al. **J Chir (Paris)** 1983 Nov;120(11):623-7 (27 ref.) (Eng. Abstr.) (Fre)
[Cystic abdomino-mediastinal lymphangioma. Apropos of a case. Review of the literature] Scheye T, et al. **J Chir (Paris)** 1984 May;121(5):321-6 (Eng. Abstr.) (Fre)
[Echography of palpable abdominal masses in adults. Apropos of 92 cases] Poncin J, et al. **J Radiol** 1984 Mar; 65(3):137-43 (Eng. Abstr.) (Fre)
[Cystic lymphangioma of the abdomen in an adult. Contribution of echography and computed x-ray tomography. Apropos of a case] Strohl D, et al. **J Radiol** 1984 Mar;65(3):197-200 (Eng. Abstr.) (Fre)
[Differential indications for sonography, 2. Ultrasound study: the abdominal wall, liver] Cabell R. **MMW** 1983 Aug 26; 125(34):66-8 (Ger)
[Clinicoradiologic significance of different study parameters in NMR tomography of the abdomen] Rupp N, et al. **ROFO** 1983 Oct;139(4):359-65 (Eng. Abstr.) (Ger)
[Sonographic diagnosis of abdominal tumors in childhood] Reither M, et al. **Ultraschall Med** 1983 Sep;4(3):139-46 (Eng. Abstr.) (Ger)
[Echographic study of the inferior vena cava in abdominal neoplastic pathology. Comparison with the inferior cavography] Ziviello M, et al. **Radiol Med (Torino)** 1983 Jun;69(6):401-7 (Eng. Abstr.) (Ita)
[Abdominal ultrasonography in infants and children] Hirata T. **Gan To Kagaku Ryoho** 1984 Sep;11(9):1883-90 (Eng. Abstr.) (Jpn)
[Ultrasonography in patients with palpable abdominal masses] Swensen T, et al. **Tidsskr Nor Laegeforen** 1983 Aug 10; 103(22):1502-4 (Eng. Abstr.) (Nor)
[Difficulties of radioclinical diagnosis in a patient with polymorphous abdominal symptoms] Pîrvulescu M, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1983 Jul-Sep; 32(3):275-80 (Rum)
[Differential diagnosis of neoplasms of organs of the abdominal cavity and retroperitoneal space in children] Sultanbaev TZh, et al. **Khirurgiia (Mosk)** 1983 Sep;(9):81-3 (Eng. Abstr.) (Rus)
[Difficulties and complications of laparoscopy in tumors of the abdominal cavity] Ivanov S. **Khirurgiia (Sofiia)** 1983; 36(6):572-3 (Rus)
[Giant benign tumors of the abdominal cavity (desmoid and leiomyoma of the stomach) and the clinical possibilities for their diagnosis] Minushkin ON, et al. **Ter Arkh** 1983; 55(10):29-31 (9 ref.) (Rus)

DRUG THERAPY

High-dose melphalan therapy for the treatment of children with refractory neuroblastoma and Ewing's sarcoma. Graham-Pole J, et al. **Am J Pediatr Hematol Oncol** 1984

Spring;6(1):17–26
Intraperitoneal chemotherapy. Ozols RF, et al. **Ann Intern Med** 1984 Jul;101(1):118–20
A phase II study of m-AMSA in patients with malignant mesothelioma. Falkson G, et al. **Cancer Chemother Pharmacol** 1983;11(2):94–7
[Efficacy of sequential chemotherapy including vincristine, cisplatin and ifosfamide in the treatment of stage IV head and neck carcinomas and melanomas with visceral involvement. Preliminary results] Focan C, et al. **Bull Cancer (Paris)** 1984;71(2):105–7 **(Fre)**
[Constant intra-aortic infusion chemotherapy for advanced abdominal cancer—a technic and the effect in patients with peritoneal metastases] Sato M, et al. **Gan No Rinsho** 1984 Jun;30(7):805–9 (Eng. Abstr.) **(Jpn)**
[Treatment of advanced neuroblastoma with regimens containing cis-dichlorodiammineplatinum—effect and toxicity] Bessho F, et al. **Gan To Kagaku Ryoho** 1984 May; 11(5):1116–21 (Eng. Abstr.) **(Jpn)**
[Results of treatment of patients with lymphosarcoma according to the ACVP regimen] Abdyldaev RA, et al. **Ter Arkh** 1983;55(8):40–3 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Desmoid tumor in a cesarean section scar. Sharp N, et al. **Am J Obstet Gynecol** 1984 May 1;149(1):83
[Richter syndrome: the natural course of chronic lymphatic leukemia?] Almici C, et al. **G Clin Med** 1984 May-Jun; 65(5-6):283–91 (Eng. Abstr.) **(Ita)**

OCCURRENCE

Malignant abdominal tumours in children. Tandon R, et al. **J Indian Med Assoc** 1983 Jun;80(11–12):176–7

PATHOLOGY

Acute monoblastic leukemia as a second malignant neoplasm in metastatic neuroblastoma. Shah NR, et al. **Am J Pediatr Hematol Oncol** 1983 Fall;5(3):309–14
Histological sampling with a 23 gauge modified Menghini needle. Torp-Pedersen S, et al. **Br J Radiol** 1984 Feb; 57(674):151–4
Intra-abdominal carcinomatosis with histologically normal ovaries [letter] Hochster H, et al. **Cancer Treat Rep** 1984 Jun;68(6):931–2
Abdominal fine needle aspiration biopsies with CT and ultrasound guidance: techniques, results and clinical implications. Bree RL, et al. **Comput Radiol** 1984 Jan-Feb; 8(1):9–15
Preoperative evaluation of pediatric abdominal tumor volumes by computerized tomography. Cohen MD, et al. **J Pediatr Surg** 1984 Jun;19(3):273
Late occurrence of malignancy in a ganglioneuroma 19 years following radiation therapy to a neuroblastoma. Keller SM, et al. **J Surg Oncol** 1984 Apr;25(4):227–31
Abdominal aspiration biopsies. Sonographic v computed tomographic guidance. Pelaez JC, et al. **JAMA** 1983 Nov 18;250(19):2663–6
[Laparoscopic biopsy in tumors of the abdominal cavity] Ivanov S. **Khirurgiia (Sofiia)** 1984;37(3):234–6 (Eng. Abstr.) **(Bul)**
[Intracranial metastasis in neuroblastoma] Erttmann R, et al. **Z Kinderchir** 1983 Oct;38(5):333–5 (Eng. Abstr.) **(Ger)**
[Histogenetic considerations of experimentally induced adenomatoid tumor-like nodules produced by sex steroids] Fujii S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Jan;36(1):1–7 (Eng. Abstr.) **(Jpn)**
[Emergency surgical diagnosis using a cytological method in cancer patients] Agamova KA, et al. **Khirurgiia (Mosk)** 1983 Nov;(11):101–4 (Eng. Abstr.) **(Rus)**
[Intra-abdominal cystic lymphangiomas. Review apropos of 10 cases] Aguayo Albasini JL, et al. **Rev Esp Enferm Apar Dig** 1983 Oct;64(4):296–302 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

[A case of benign symmetric lipomatosis] Akashi T, et al. **Nippon Naika Gakkai Zasshi** 1984 Jan;73(1):43–7 **(Jpn)**

RADIOGRAPHY

Occult neuroblastoma presenting with opsomyoclonus: utility of computed tomography. Farrelly C, et al. **AJR** 1984 Apr; 142(4):807–10
CT of abdominal lymphoma after renal transplantation. Frick MP, et al. **AJR** 1984 Jan;142(1):97–9
Abdominal pseudotumor due to inverted hemidiaphragm. Radiographic, sonographic, and computed tomographic diagnosis. Demos TC, et al. **Chest** 1984 Sep;86(3):466–8
Computed tomography in 101 patients with a palpable abdominal mass. Williams MP, et al. **Clin Radiol** 1984 Jul; 35(4):293–6
Differential diagnosis of huge abdominal masses visualized on CT scans. Berezin A, et al. **Comput Radiol** 1984 Mar-Apr;8(2):95–9
Symptomatic inguinal hernia: association with intraabdominal mass lesions. Salomonowitz E, et al. **Gastrointest Radiol** 1983;8(4):371–4
CT in palpable non-obstructing intestinal tumors. Golding RP, et al. **J Belge Radiol** 1983;66(6):447–52
Danger of urography in hyperuricemic children with Burkitt's lymphoma. Mandell GA, et al. **J Can Assoc Radiol** 1983 Dec;34(4):273–7
Computed tomography of adult neuroblastoma. Feinstein RS, et al. **J Comput Assist Tomogr** 1984 Aug;8(4):720–6
Lymphoma after organ transplantation: radiologic manifestations in the central nervous system, thorax, and abdomen. Tubman DE, et al. **Radiology** 1983 Dec; 149(3):625–31
[Diagnosis of expansive processes in the abdomen in newborns and infants] Kolihová E, et al. **Cesk Pediatr** 1983 Sep;38(9):546–8 (Eng. Abstr.) **(Cze)**
[Computed x-ray tomography of abdominal lipoma and liposarcoma in adults. Apropos of 9 cases] Eresué J, et al. **J Radiol** 1984 Mar;65(3):145–9 (Eng. Abstr.) **(Fre)**
[Neurinoma of the abdominal pneumogastric nerve. Apropos of a case] Flageat J, et al. **J Radiol** 1983 Aug-Sep; 64(8–9):501–4 (Eng. Abstr.) **(Fre)**
[Initial clinical experiences with the fast digital picture of roentgen transmission profiles in the human (the chronogram)] Hübener KH, et al. **Computertomographie** 1982 Jun;2(2):83–91 (Eng. Abstr.) **(Ger)**
[Diagnostic value of selective arteriography of the branches of the abdominal aorta] Datcu MD, et al. **Rev Med Interna [Med Interna]** 1982 May-Jun;34(3):235–41 **(Rum)**

RADIONUCLIDE IMAGING

Localization of m-iodo(131I)benzylguanidine in neuroblastoma. Hattner RS, et al. **AJR** 1984 Aug; 143(2):373–4
Scintigraphy of a neuroblastoma with I-131 meta-iodobenzylguanidine. Kimmig B, et al. **J Nucl Med** 1984 Jul;25(7):773–5
Calcification and uptake of Tc-99m diphosphonates in neuroblastomas: concise communication. Martin-Simmerman P, et al. **J Nucl Med** 1984 Jun; 25(6):656–60
[Application of computerized tomoscintigraphy in the detection of tumors using cobalt-57-marked bleomycin] Slosman D, et al. **Schweiz Med Wochenschr** 1984 Jul 28; 114(30):1052–7 (Eng. Abstr.) **(Fre)**

RADIOTHERAPY

Improved tolerance with two radiation fractions per day for treatment of abdominal and pelvic malignancies. Loeffler RK. **Am J Clin Oncol** 1983 Dec;6(6):619–27
Acute tumor lysis syndrome with metastatic medulloblastoma. A case report. Tomlinson GC, et al. **Cancer** 1984 Apr 15;53(8):1783–5
[Radiation nephropathy] Dewit L, et al. **Ned Tijdschr Geneeskd** 1984 May 5;128(18):861–3 **(Dut)**
[Intraoperative irradiation for abdominal tumors] Durst A, et al. **Harefuah** 1984 May 1;106(9):391–2 (Eng. Abstr.) **(Heb)**

SECONDARY

Malignant haemangiopericytoma of the terminal ileum presenting with peritonitis and transcoelomic metastases. Ball AB, et al. **Br J Surg** 1984 Feb;71(2):161–2
Development of tumor along the track of a peritoneovenous shunt [letter] Khoury GG, et al. **Br Med J [Clin Res]** 1984 Apr 21;288(6425):1237
Endodermal sinus tumor of the pineal region. Metastases through a ventriculoperitoneal shunt. Bamberg M, et al. **Cancer** 1984 Sep 1;54(5):903–6
Importance of the falciform ligament, ligamentum teres and splenic hilus in the spread of malignancy as demonstrated by computed tomography. Solomon A, et al. **Gastrointest Radiol** 1984;9(1):53–6
Computed tomography of invasive pleural mesothelioma. Shin MS, et al. **J Comput Tomogr** 1983 Nov;7(4):389–94
[Abdominal irradiation of advanced malignant ovarian tumors] Prager W, et al. **Radiobiol Radiother (Berl)** 1984; 25(1):49–52 (Eng. Abstr.) **(Ger)**
[Marked regression of melanoma metastases under combined chemotherapy] Klemm-Mayer H, et al. **Z Hautkr** 1984 Apr 1;59(7):443–5 (Eng. Abstr.) **(Ger)**
[Clinical trials of plasma exchange therapy in patients with recurrent colon cancer] Azuma N, et al. **Gan To Kagaku Ryoho** 1984 Sep;11(9):1801–8 (Eng. Abstr.) **(Jpn)**
[Remote metastases in patients treated for stage I cancer of the uterus] Tarlowska L, et al. **Pol Tyg Lek** 1983 May 30-Jun 6;38(22–23):689–93 (Eng. Abstr.) **(Pol)**
[Multifocal and multiple malignant neoplasms in the female genital tract] Szymański W, et al. **Wiad Lek** 1983 Sep 15; 36(18):1549–52 (Eng. Abstr.) **(Pol)**
[Abdominal angiography in organic metastases of kidney cancer] Kuchinskiĭ GA, et al. **Urol Nefrol (Mosk)** 1984 Jul-Aug;(4):21–4 (Eng. Abstr.) **(Rus)**

SURGERY

Surgical resection and limited chemotherapy for abdominal undifferentiated lymphomas. Janus C, et al. **Cancer Treat Rep** 1984 Apr;68(4):599–605
Therapy of localized non-Hodgkin's lymphoma in children [letter] Magrath IT, et al. **J Clin Oncol** 1984 Feb;2(2):140–1
[The musculocutaneous flap in body cavity repair following extensive tumor resection] Pfandlsteiner G. **Handchir Mikrochir Plast Chir** 1984 Jun;16(2):127–30 (Eng. Abstr.) **(Ger)**
[Surgical interventions in abdomino-mediastinal lipomas] Varner EA, et al. **Vestn Khir** 1983 Sep;131(9):24–7 (Eng. Abstr.) **(Rus)**

THERAPY

Regional hyperthermia: a clinical appraisal of noninvasive deep-heating methods. Gibbs FA Jr. **Cancer Res** 1984 Oct; 44(10 Suppl):4765s–4770s
Regional hyperthermia using an annular phased array system. Preliminary patient and thermometry data. Stewart JR, et al. **Front Radiat Ther Oncol** 1984;18:103–7
Uniform regional heating of the lower trunk: numerical evaluation of tumor temperature distributions. Halac S, et al. **Int J Radiat Oncol Biol Phys** 1983 Dec;9(12):1833–40
Regional hyperthermia in the treatment of clinically advanced, deep seated malignancy: results of a pilot study employing an annular array applicator. Sapozink MD, et al. **Int J Radiat Oncol Biol Phys** 1984 Jun;10(6):775–86

ULTRASTRUCTURE

Myofibroblastoma: a tumour of myofibroblasts. Ghadially FN, et al. **J Submicrosc Cytol** 1983 Oct;15(4):1055–63

VETERINARY

Canine haemangioma [letter] Spicer CJ. **Vet Rec** 1984 Jul 14;115(2):45
[Abdominal tumors as a cause of lameness in parakeets] Neumann U, et al. **Tierarztl Prax** 1983;11(4):477–81 **(Ger)**

ABDOMINAL WALL

Partial epileptic seizures beginning in the truncal muscles. Matsuo F. **Acta Neurol Scand** 1984 May;69(5):264–9
Ultrasound diagnosis of rectus sheath hematoma. Cervantes J, et al. **Am Surg** 1983 Oct;49(10):542–5
A technique for skin grafting around abdominal wall fistulas. Fisher J, et al. **Ann Plast Surg** 1983 Dec;11(6):563–4
Carcinoma cuniculatum of the abdominal wall. Lawrence-Brown MM, et al. **Med J Aust** 1984 May 26; 140(11):668–9
Recurrent desmoid tumour of the abdomen and thorax. A case report. Campbell G, et al. **S Afr Med J** 1984 Aug 25;66(8):309–10
Management of abdominal wall clostridial myonecrosis: the role of total gastrointestinal diversion. Schwartz RW, et al. **South Med J** 1984 Jun;77(6):697–9, 702
Abdominal wall pain—the primary diagnosis. Shute WB. **Zentralbl Gynakol** 1984;106(5):309–13
[Unusual 1st manifestation of sigmoid diverticulitis as an abdominal wall phlegmon ('necrotizing fasciitis')] Banzhaf G, et al. **Chirurg** 1983 Nov;54(11):749–52 **(Ger)**
[Spontaneous hematoma of the rectus abdominis muscle. Apropos of 2 observations] Filipponi R, et al. **Ann Ital Chir** 1983;55(3):295–300 (Eng. Abstr.) **(Ita)**
[Cicatricial external endometriosis] Kończal-Kozakiewicz A, et al. **Ginekol Pol** 1983 Apr;54(4):271–4 (Eng. Abstr.) **(Pol)**
[Desmoid tumors of the abdominal wall] Rădulescu D, et al. **Rev Chir [Chir]** 1983 Nov-Dec;32(6):407–14 (Eng. Abstr.) **(Rum)**
[Thermography of the anterior abdominal wall in acute appendicitis] Panchenkov RT, et al. **Khirurgiia (Mosk)** 1984 Mar;(3):112–5 **(Rus)**
[Cutaneous thermometry of the anterior abdominal wall in emergency surgery] Svitich IuM, et al. **Klin Khir** 1984 Apr; (4):55 **(Rus)**
[Surgical tactics in chronic nonspecific infiltrates of the abdominal cavity and its anterior wall] Ovchinnikov VA. **Vestn Khir** 1984 Feb;132(2):28–32 (Eng. Abstr.) **(Rus)**
[Resection of the costal arches, sternum and rectus abdominis muscle for recurrent desmoids of the abdominal wall] Voronov AA, et al. **Vestn Khir** 1984 Feb;132(2):45–6 **(Rus)**
[Hematoma of the rectus abdominis after paracentesis (letter)] Caballería Rovira E, et al. **Med Clin (Barc)** 1983 Sep 10; 81(6):280 **(Spa)**

ABNORMALITIES

Gastroschisis diagnosed in utero by ultrasound. Björnståhl H, et al. **Acta Obstet Gynecol Scand** 1983;62(3):283–4
Prenatal diagnosis of two cases of gastroschisis following alpha-fetoprotein (AFP) screening. Holmgren G, et al. **Acta Obstet Gynecol Scand** 1984;63(4):325–8
Brief clinical report: prune belly syndrome: observations supporting the hypothesis of abdominal overdistention. Burton BK, et al. **Am J Med Genet** 1984 Mar;17(3):669–72
Omphalocele, hernia of the umbilical cord and gastroschisis. Verco PW. **Australas Radiol** 1983 Nov;27(3):274–82
Gastroschisis: a report of the smallest survivor. Reyna TM, et al. **Clin Pediatr (Phila)** 1983 Nov;22(11):772–3
Modelling maternal birth cohort effects on malformation rates—a reply [letter] Källén B. **Int J Epidemiol** 1983 Sep; 12(3):378
Primary fascial closure in infants with gastroschisis and omphalocele: a superior approach. Canty TG, et al. **J Pediatr Surg** 1983 Dec;18(6):707–12
Staged reduction using a Silastic sac is the treatment of choice for large congenital abdominal wall defects. Schwartz MZ, et al. **J Pediatr Surg** 1983 Dec;18(6):713–9

Further investigations when abdominal wall defects are diagnosed in utero [letter] **Lancet** 1983 Nov 5; 2(8358):1083–4

Gastroschisis in a case of dizygotic twins: the possible role of maternal alcohol consumption. Sarda P, et al. **Pediatrics** 1984 Jul;74(1):94–6

Gastroschisis: abdominal wall disruption secondary to early gestational interruption of the omphalomesenteric artery. Hoyme HE, et al. **Semin Perinatol** 1983 Oct;7(4):294–8

Structural defects as a consequence of early intrauterine constraint: limb deficiency, polydactyly, and body wall defects. Miller ME. **Semin Perinatol** 1983 Oct;7(4):274–7

Epidemiological study of gastroschisis and omphalocele in Spain. Martínez-Frías ML, et al. **Teratology** 1984 Jun; 29(3):377–82

Long-term results in children with omphalocele and gastroschisis—a follow-up study. Lindham S. **Z Kinderchir** 1984 Jun;39(3):164–7

Teratogenic aspects of abdominal wall defects. Lindham S. **Z Kinderchir** 1983 Aug;38(4):211–6

[Gastroschisis. Apropos of 32 cases] Ravasse P, et al. **Ann Chir** 1984 May;38(4):285–9 (Eng. Abstr.) **(Fre)**

[Late results following the surgical correction of congenital abdominal wall defects] Daum R. **Monatsschr Kinderheilkd** 1984 Jun;132(6):402–7 **(Ger)**

[A case of gastroschisis with associated intestinal injuries. The pediatric surgeon and the neonatology pathologist confronting treatment] Colombo A, et al. **Minerva Pediatr** 1984 Apr 15;36(7):377–81 (Eng. Abstr.) **(Ita)**

[Gastroschisis: certain diagnosis, uncertain prognosis] Milán-Montenegro G, et al. **Bol Med Hosp Infant Mex** 1983 Jun;40(6):320–4 (Eng. Abstr.) **(Spa)**

ANALYSIS

[Hydroxyproline concentration of muscle fibers and Bulgarian antimicrobial polyamide sheeting after multi-layer inguinal hernioplasty] Belchev B, et al. **Khirurgiia (Sofiia)** 1983;36(4):347–51 (Eng. Abstr.) **(Bul)**

ANATOMY & HISTOLOGY

A proposed method of dissection of the anterolateral abdominal wall — applied features. Roberts WH, et al. **Anat Anz** 1983;154(2):111–7

The formation of abdomino-perineal sacs by the fasciae of Scarpa and Colles, and their clinical significance. Martin BF. **J Anat** 1984 Jun;138 (Pt 4):603–16

Optical mapping of the thoracoabdominal wall. Peacock AJ, et al. **Thorax** 1984 Feb;39(2):93–100

BLOOD SUPPLY

The role of ischaemia in the formation of postoperative intra-abdominal adhesions. Fedor E, et al. **Acta Chir Hung** 1983;24(1):3–8

The importance of abdominal wall collateral blood vessels. Planning incisions and obtaining arteriography. Krupski WC, et al. **Arch Surg** 1984 Jul;119(7):854–7

Thrombophlebitis of the abdominal wall. Woolling KR. **Indiana Med** 1984 Feb;77(2):98–107

The vascular territories of the superior epigastric and the deep inferior epigastric systems. Boyd JB, et al. **Plast Reconstr Surg** 1984 Jan;73(1):1–16

The anatomy of the epigastric flap in the experimental rat. Petry JJ, et al. **Plast Reconstr Surg** 1984 Sep;74(3):410–3

[Etiology, clinical aspects and treatment of Mondor's disease in sportsmen] Greida BP, et al. **Sov Med** 1983;(8):101–3 **(Rus)**

[Method of catheterizing the inferior epigastric artery] Khalemskiĭ LL, et al. **Vestn Khir** 1984 Jul;132(7):72–3 **(Rus)**

DRUG EFFECTS

[Hematoma of the pyramidal muscle. A complication of anticoagulant treatment] Augustin P, et al. **Rev Neurol (Paris)** 1984;140(6–7):443–5 (Eng. Abstr.) **(Fre)**

INJURIES

Intestinal evisceration resulting from a motor vehicle accident. Majernick TG, et al. **Ann Emerg Med** 1984 Aug; 13(8):633–5

Blunt traumatic rupture of the abdominal wall musculature. Metzdorff MT, et al. **Ann Plast Surg** 1984 Jul;13(1):63–6

Traumatic rupture of the abdominal wall without evisceration. Astarita D, et al. **J Med Soc NJ** 1983 Dec; 80(12):1027–9

Rectus sheath hematoma with pain relief after ultrasound: case report. Hough DR, et al. **Milit Med** 1983 Nov; 148(11):885–6

Approaches to repair of ventral hernia and full-thickness losses of the abdominal wall. Larson GM, et al. **Surg Clin North Am** 1984 Apr;64(2):335–49

[Surgical tactics in closed injuries of the duodenum] Postolov MP, et al. **Khirurgiia (Mosk)** 1983 Nov;(11):105–7 (Eng. Abstr.) **(Rus)**

INNERVATION

Abnormal nerve supply of the musculus oliquus externus abdominis in man. Miyauchi R. **Kaibogaku Zasshi** 1983 Oct; 58(5):513–25

PHYSIOLOGY

Description of an EEG pattern evoked in central—parietal areas by the Hathayogic exercise Agnisara. Roldán E, et al. **Act Nerv Super (Praha)** 1983 Dec;25(4):241–6

Abdominal wall competence in transverse abdominal island flap operations. Hartrampf CR Jr. **Ann Plast Surg** 1984 Feb;12(2):139–46

Pharmacological actions of some cyclic analogues of choline. Hemsworth BA, et al. **Br J Pharmacol** 1984 Apr; 81(4):685–92

Cournand lecture: Mechanical action of the abdominal muscles. De Troyer A. **Bull Eur Physiopathol Respir** 1983 Nov-Dec;19(6):575–81

Simultaneous EMG of latissimus dorsi and sternocostal portion of pectoralis major muscles during "butterfly natatory stroke. Vitti M, et al. **Electromyogr Clin Neurophysiol** 1984 Jan–Feb; 24(1–2):117–20

Effect of posture on thoracoabdominal movements during CO2 rebreathing. Chapman KR, et al. **J Appl Physiol** 1984 Jan;56(1):97–101

Effects of thoracic volume and shape on electromechanical coupling in abdominal muscles. Hill AR, et al. **J Appl Physiol** 1984 May;56(5):1294–301

Rib cage and abdominal contributions to ventilatory response to CO2 in infants. Honma Y, et al. **J Appl Physiol** 1984 May;56(5):1211–6

Salutary effect of fall in abdominal pressure during diaphragm paralysis. Kelly S, et al. **J Appl Physiol** 1984 May; 56(5):1320–4

Clinical assessment of trunk flexor muscle strength in healthy girls 3 to 7 years of age. Baldauf KL, et al. **Phys Ther** 1984 Aug;64(8):1203–8

Electromyographic study of the relationship between hamstring and abdominal muscles during a unilateral straight leg raise. Mayhew TP, et al. **Phys Ther** 1983 Nov; 63(11):1769–75

Mechanical role of the abdominal muscles in relation to posture. De Troyer A. **Respir Physiol** 1983 Sep; 53(3):341–53

Intraabdominal pressure and trunk muscle activity during lifting—effect of abdominal muscle training in healthy subjects. Hemborg B, et al. **Scand J Rehabil Med** 1983; 15(4):183–96

PHYSIOPATHOLOGY

Electromyographic study of some accessory muscles of respiration in children with obstructive sleep apnea. Jeffries B, et al. **Am Rev Respir Dis** 1984 May;129(5):696–702

Rehabilitation of a quadriplegic professional singer. Use of a device to provide abdominal muscle support. Sataloff RT, et al. **Arch Otolaryngol** 1984 Oct;110(10):682–5

Performance capacity of trunk muscles in ankylosing spondylitis. Alaranta H, et al. **Clin Rheumatol** 1983 Sep; 2(3):251–7

Rectus abdominis as a source of myopotentials inhibiting demand pacemakers. Gialafos J, et al. **PACE** 1983 Sep;6(5 Pt 1):887–91

[Treatment of addisonian encephalopathy. The appearance of abdomino-crural contracture (letter)] Devos P, et al. **Presse Med** 1984 Apr 7;13(15):946 **(Fre)**

[Rheography in the evaluation of muscle tension symptoms in acute appendicitis] Kharchenko VG, et al. **Klin Khir** 1983 Nov;(11):75–6 **(Rus)**

[Pathogenesis of the formation of inguinal hernias] Lebedev IuG. **Klin Khir** 1984 Feb;(2):30–3 (Eng. Abstr.) **(Rus)**

SURGERY

Muscular plastic for aesthetic conformation of abdominal girdle. Appiani E. **Ann Plast Surg** 1984 Aug;13(2):97–106

Upper transverse rectus abdominis flap: the flag flap. De la Flaza R, et al. **Ann Plast Surg** 1984 May;12(5):410–8

Re: Dinner et al: refinements in use of transverse abdominal island flap [letter] Drever JM. **Ann Plast Surg** 1984 Jun; 12(6):575

Tensor fascia lata musculocutaneous flap for abdominal wall reconstruction. Peled IJ, et al. **Ann Plast Surg** 1983 Aug; 11(2):141–3

Total abdominal wall reconstruction. Luce EA, et al. **Arch Surg** 1983 Dec;118(12):1446–8

Midline abdominal incisions [editorial] Ellis H. **Br J Obstet Gynaecol** 1984 Jan;91(1):1–2

Reconstruction of a large lateral abdominal wall defect with an ilio-lumbar bi-pedicled flap. Ohtsuka H, et al. **Br J Plast Surg** 1984 Jul;37(3):327–9

Appraisal of a new method for the suspension of the urethra on the abdominal wall. Marzetti L, et al. **Clin Exp Obstet Gynecol** 1984;11(1–2):31–6

Plastic surgery of the abdomen with improvement in the body contour. Physiopathology and treatment of the aponeurotic musculature. Psillakis JM. **Clin Plast Surg** 1984 Jul; 11(3):465–77

Max Thorek: a surgeon for all seasons. Ruberg RL, et al. **Clin Plast Surg** 1983 Oct;10(4):611–8

Abdominal wound evisceration. Banerjee SR, et al. **Curr Surg** 1983 Nov-Dec;40(6):432–4

A case of abdominal scrotal swelling (hydrocele en bissac or bilocular hydrocele). A case report. Kwai PA, et al. **East Afr Med J** 1983 Dec;60(12):974–5

Abdominoplasty. Graham JK. **J La State Med Soc** 1983 Jul; 135(7):11–3

Use of the greater omentum as a vascular supply for free-flap transfer. Clement RW, et al. **Plast Reconstr Surg** 1984 Jul; 74(1):131–2

Reconstruction of the abdominal wall using a tensor fasciae latae musculocutaneous island flap. A case report. Scholtz JF, et al. **S Afr Med J** 1983 Nov 19;64(22):873–4

The parastomal hernia. Leslie D. **Surg Clin North Am** 1984 Apr;64(2):407–15

Subcutaneous fasciotomy for relief of stricture of the ileostomy. Malt RA, et al. **Surg Gynecol Obstet** 1984 Aug; 159(2):175–6

Reconstruction of abdominal wall and mons pubis in females with bladder exstrophy. Anderl H, et al. **Urology** 1983 Sep; 22(3):247–50

[Use of antimicrobial polyamide cloth in oncosurgery] Dudunkov Z. **Khirurgiia (Sofiia)** 1983;36(5):496–8 (Eng. Abstr.) **(Bul)**

[Complex biochemical analysis of cicatricial connective tissue after implantation of the synthetic Bulgarian antimicrobial polyamide sheet into the abdominal wall of rabbits] Prodanov K, et al. **Khirurgiia (Sofiia)** 1984;37(2):101–7 **(Bul)**

[Technic of parietal retention using Maconor plates. Study of 4 years' of use at the Principal Hospital of Dakar] Breda Y, et al. **Dakar Med** 1983;28(1):251–6 (Eng. Abstr.) **(Fre)**

[Treatment of laparoschisis. Use of a polyglactin 910 mesh (letter)] Gille P, et al. **Presse Med** 1984 Mar 17;13(11):683 **(Fre)**

[Venous and intragastral pressure measurements in surgical correction of abdominal wall defects] Rothe K, et al. **Z Kinderchir** 1984 Feb;39(1):15–8 (Eng. Abstr.) **(Ger)**

[Technical procedure in the use of lyophilized dura for closure of extensive abdominal wall defects] Waldschmidt J, et al. **Z Kinderchir** 1983 Apr;38(2):114–20 (Eng. Abstr.) **(Ger)**

[Tactics and technic of abdominal closure in relaparotomy, abdominal dehiscence and peritonitis] Guthy E. **Zentralbl Chir** 1984;109(8):524–6 (Eng. Abstr.) **(Ger)**

[Plastic surgery of the abdominal wall] Brückner H. **Zentralbl Gynakol** 1984;106(5):301–8 (Eng. Abstr.) **(Ger)**

[Technical stratagem in the surgical treatment of eventrations] Cristian V. **Rev Chir [Chir]** 1983 Nov-Dec; 32(6):445–9 (Eng. Abstr.) **(Rum)**

[Evaluation of the effectiveness of various models of magnetic closure devices for single-barrel colostomies on the anterior abdominal wall] Fedorov VD, et al. **Khirurgiia (Mosk)** 1984 Mar;(3):103–7 **(Rus)**

[Our experience in using Bulgarian antibacterial polyamide sheeting in surgical practice] Chetrafilov D, et al. **Khirurgiia (Sofiia)** 1983;36(6):544–7 (Eng. Abstr.) **(Rus)**

[Saturation of allogeneic fasciae with carbon dioxide and the effectiveness of their use in the treatment of patients with extensive postoperative hernias] Nefedov VI, et al. **Vestn Khir** 1984 May;132(5):134–5 **(Rus)**

TRANSPLANTATION

Pelvic floor reconstruction using the rectus abdominis muscle flap. Giampapa V, et al. **Ann Plast Surg** 1984 Jul;13(1):56–9

Potential problems with the transverse rectus abdominis myocutaneous flap in breast reconstruction and how to avoid them. Georgiade GS, et al. **Br J Plast Surg** 1984 Jan;37(1):121–5

The use of a rectus abdominis myocutaneous flap to reconstruct a groin defect. Logan SE, et al. **Br J Plast Surg** 1984 Jul;37(3):351–3

The versatile deep inferior epigastric (inferior rectus abdominis) flap. Taylor GI, et al. **Br J Plast Surg** 1984 Jul;37(3):330–50

ULTRASTRUCTURE

Scanning electron microscopy of the structural reconstruction of the abdominal wall after experimental paramedian incision. Rizk NN. **J Surg Res** 1983 Oct; 35(4):354–64

ABDUCENS NERVE

Möbius syndrome. Pathological study of a peripheral nerve. A case report. Nardelli E, et al. **Acta Neurol (Napoli)** 1983 Oct;5(5):360–7

Recurrent isolated sixth nerve palsy in children. Boger WP 3d, et al. **Ann Ophthalmol** 1984 Mar;16(3):237–8, 240–4

Isolated sixth-nerve palsies in younger adults. Moster ML, et al. **Arch Ophthalmol** 1984 Sep;102(9):1328–30

Bilateral sixth-nerve palsy after water-soluble contrast myelography [letter] Perlman EM, et al. **Arch Ophthalmol** 1984 Jul;102(7):968

Abducens paresis. A rare presenting sign of posterior-inferior cerebellar artery aneurysm. Dumas S, et al. **J Clin Neuro Ophthalmol** 1982 Mar;2(1):55–60

Sixth nerve ophthalmoplegia secondary to a cavernous sinus lesion. Gurinsky JS, et al. **J Clin Neuro Ophthalmol** 1983 Dec;3(4):277–81

Chordoma. Takahashi T, et al. **J Clin Neuro Ophthalmol** 1983 Dec;3(4):251–7

Nasopharyngeal malignancies causing abducens palsy. Bitoh S, et al. **Neurol Med Chir (Tokyo)** 1983 Jul;23(7):571–6

Transient sixth cranial nerve paralysis in the newborn infant. de Grauw AJ, et al. **Neuropediatrics** 1983 Aug;14(3):164–5

[Regressive cranial nerve VI paralysis in the child. Supposed

role of cytomegalovirus] George JL, et al. **Rev Otoneuroophtalmol** 1984 Jan–Feb;56(1):67–70 (Eng. Abstr.) **(Fre)**

[Transposition of the whole superior rectus muscle and the inferior rectus muscle in abducens paralysis] Stärk N. **Fortschr Ophthalmol** 1983;80(6):498–501 (Eng. Abstr.) **(Ger)**

[Isolated abducent nerve paralysis in infectious mononucleosis] Christen HJ, et al. **Monatsschr Kinderheilkd** 1983 Aug;131(8):532–4 (Eng. Abstr.) **(Ger)**

[Papilledema and abducens nerve palsy in decompression sickness] Tiberin P, et al. **Harefuah** 1983 Oct 2;105(7):161 (Eng. Abstr.) **(Heb)**

ABNORMALITIES

Facial weakness and oligosyndactyly: ? independent variable features of familial type of the Möbius syndrome. Mitter NS, et al. **Clin Genet** 1983 Nov;24(5):350–4

Bilateral congenital absence of the abducens nerve. Hickey WF, et al. **Virchows Arch [A]** 1983;402(1):91–8

ANATOMY & HISTOLOGY

Anatomical study of the rabbit's corneal-VIth nerve reflex: connections between cornea, trigeminal sensory complex, and the abducens and accessory abducens nuclei. Harvey JA, et al. **Brain Res** 1984 Jun 3;301(2):307–21

An HRP study of the brainstem afferents to the accessory abducens region and dorsolateral pons in rabbit: implications for the conditioned nictitating membrane response. Desmond JE, et al. **Brain Res Bull** 1983 Jun; 10(6):747–63

The abducens nucleus in the carpet shark Cephaloscyllium isabella. Montgomery JC, et al. **J Comp Neurol** 1983 Dec 1;221(2):163–8

Ultrastructural and electrophysiological properties of accessory abducens nucleus motoneurones: an intracellular horseradish peroxidase study in the cat. Destombes J, et al. **Neuroscience** 1983 Dec;10(4):1317–32

CYTOLOGY

Comparison of vestibular and abducens internuclear projections to the medial rectus subdivision of the oculomotor nucleus in the monkey. Carpenter MB, et al. **Brain Res** 1983 Sep 5;274(1):144–9

[Recent findings on the external oculomotor nucleus: the center for horizontal ocular movement] Destombes J, et al. **J Fr Ophtalmol** 1983;6(6–7):605–26 (Eng. Abstr.) **(Fre)**

INJURIES

Unilateral abducent nerve palsy: a rare complication following a Le Fort I maxillary osteotomy. Watts PG. **Br J Oral Maxillofac Surg** 1984 Jun;22(3):212–5

PHYSIOLOGY

The role of the accessory abducens nucleus in the rabbit nictitating membrane response. Marek GJ, et al. **Brain Res** 1984 May 14;299(2):215–29

A supratrigeminal region implicated in the classically conditioned nictitating membrane response. Desmond JE, et al. **Brain Res Bull** 1983 Jun;10(6):765–73

Morphological and electrophysiological properties of trigeminal neurones projecting to the accessory abducens nucleus of the cat. Durand J, et al. **Exp Brain Res** 1983; 53(1):118–28

The vestibulo-ocular reflex arc in the newborn kitten. An electrophysiologic investigation. Uchino Y, et al. **Exp Brain Res** 1983;53(1):29–35

Eye and neck motor signals in periabducens reticular neurons of the alert cat. Vidal PP, et al. **Exp Brain Res** 1983; 53(1):16–28

Eye movement dynamics in the dogfish. Montgomery JC. **J Exp Biol** 1983 Jul;105:297–303

[Neurophysiology of the motoneurons of the external oculomotor nucleus in the waking cat] Serra R, et al. **Rev Esp Fisiol** 1983 Dec;39(4):385–93 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Aberrant regeneration involving the oculomotor and abducens nerves. Packer AJ, et al. **Ophthalmologica** 1984; 189(1–2):80–5

ABELSON LEUKEMIA VIRUS see under **MOUSE LEUKEMIA VIRUSES**

ABETALIPOPROTEINEMIA

BLOOD

Regulation of cholesterol synthesis by plasma lipoproteins from patients with abetalipoproteinemia. Alam NA, et al. **Atherosclerosis** 1983 Dec;49(3):295–305

A case report of abetalipoproteinemia (Bassen–Kornzweig syndrome)—the first case in Japan. Akamatsu K, et al. **Jpn J Med** 1983 Aug;22(3):231–6

Receptor binding activity of high-density lipoproteins containing apoprotein E from abetalipoproteinemic and normal neonate plasma. Innerarity TL, et al. **Metabolism** 1984 Feb;33(2):186–95

COMPLICATIONS

Abetalipoproteinemia and metastatic spinal cord glioblastoma. Newman RP, et al. **Arch Neurol** 1984 May; 41(5):554–6

[Oxalate lithiasis associated bith abetalipoproteinemia. Report of a case] Grise P, et al. **Chir Pediatr** 1983;24(6):411–2 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Abetalipoproteinemia. Report of an unusual patient. Judisch GF, et al. **Ophthalmologica** 1984;189(1–2):73–9

[Abeta-and hypobeta-lipoproteinemias with reference to a clinical case] Tănăsescu D, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1983 Apr–Jun; 32(2):155–60 (Eng. Abstr.) **(Rum)**

DRUG THERAPY

Vitamin A and vitamin E replacement in abetalipoproteinemia. Bieri JG, et al. **Ann Intern Med** 1984 Feb;100(2):238–9

Vitamin E and neurological function: abetalipoproteinaemia and other disorders of fat absorption. Muller DP, et al. **Ciba Found Symp** 1983;101:106–21

FAMILIAL & GENETIC

[Familial lipoprotein deficiencies] Fukuyama Y. **Nippon Rinsho** 1983 Aug;41(8):1824–31 **(Jpn)**

METABOLISM

Cholesterol turnover and metabolism in two patients with abetalipoproteinemia. Goodman DS, et al. **J Lipid Res** 1983 Dec;24(12):1605–11

PHYSIOPATHOLOGY

Electrophysiological studies in five cases of abetalipoproteinemia. Lowry NJ, et al. **Can J Neurol Sci** 1984 Feb;11(1):60–3

ABILITY see **APTITUDE**

ABNORMALITIES

Presidential address. To be or not to be? That is the question. Shaw MW. **Am J Hum Genet** 1984 Jan;36(1):1–9

Psychological aspects of genetic counseling. III. Management of guilt and shame. Kessler S, et al. **Am J Med Genet** 1984 Mar;17(3):673–97

Congenital anomalies among infants of diabetic mothers. Etiology, prevention. prenatal diagnosis. Cousins L. **Am J Obstet Gynecol** 1983 Oct 1;147(3):333–8 (61 ref.)

Birth complication reporting: the effect of birth certificate design. Frost F, et al. **Am J Public Health** 1984 May; 74(5):505–6

Tracing malformation syndromes with MEDLINE [letter] Norris C. **Arch Dis Child** 1984 Jul;59(7):693

Mothers' beliefs as to causation and prevention of birth defects in Ile-Ife, Nigeria. Ojofeitimi EO, et al. **J R Soc Health** 1984 Jun;104(3):116–8

Birth of handicapped child after negligent sterilisation. Brahams D. **Lancet** 1984 Sep 15;2(8403):649

Experimental embryology and teratology—its relevance for medical practice. Sandor S. **Morphol Embryol (Bucur)** 1984 Apr–Jun;30(2):109–16

Rabbinic comment: The infant: right to privacy and patient's right to know. Tendler MD. **Mt Sinai J Med (NY)** 1984 Jan–Feb;51(1):29–31

Seminars in perinatology. Jones KL. **Semin Perinatol** 1983 Oct;7(4):237–8

[Medicina ministra misericordiae; medicine, the servant of mercy] Molenaar JC. **Ned Tijdschr Geneeskd** 1984 May 5;128(18):866–7 **(Dut)**

[A rare malformation in a girl (fetal inclusion)] Klebanovich VI, et al. **Vestn Khir** 1983 Jul;131(7):110–3 **(Rus)**

[Initial management of parents of infants with malformations or genetic disorders detectable at birth] Aguiló A, et al. **Rev Chil Pediatr** 1983 Nov–Dec;54(6):442–7 (Eng. Abstr.) **(Spa)**

BLOOD

Factors influencing fetal growth in infants of diabetic mothers. MacGillivray MH. **J Pediatr Gastroenterol Nutr** 1983;2 Suppl 1(Suppl 1):S73–80

Serum IgM-globulin in Malaysian normal and defective infants. Tan DS. **Med J Malaysia** 1983 Mar;38(1):15–8

CLASSIFICATION

The spirit of dysmorphology future (or: Hoyle foiled) [editorial] Karp LE, et al. **Am J Med Genet** 1984 Feb; 17(2):395–8

A classification for congenital limb malformation. Swanson AB, et al. **J Hand Surg** 1983 Sep;8(5 Pt 2):693–702

COMPLICATIONS

Minor physical anomalies and behavior in children: a review. Firestone P, et al. **J Autism Dev Disord** 1983 Dec; 13(4):411–25

Birth defects with Ewing's sarcoma [letter] McKeen EA, et al. **N Engl J Med** 1983 Dec 15;309(24):1522

[Minor abnormalities in mentally retarded adolescents] Varga L, et al. **Union Med Can** 1983 Aug;112(8):722–5 (Eng. Abstr.) **(Fre)**

[Significance of the simultaneous occurrence of Wilms' tumor and abnormalities] Willnow U, et al. **Kinderarztl Prax** 1983 May;51(5):225–31 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Alpha-fetoprotein screening in obstetric practice. Schnittger A, et al. **Acta Obstet Gynecol Scand [Suppl]** 1984;119:1–47

Genetic amniocentesis in seventy twin pregnancies. Librach CL, et al. **Am J Obstet Gynecol** 1984 Mar 1;148(5):585–91

The importance of an antenatal ultrasonographic diagnosis of correctable fetal malformations. Sarda P, et al. **Am J Obstet Gynecol** 1983 Oct 15;147(4):443–5

Recent developments in the prenatal diagnosis of genetic diseases and birth defects. Epstein CJ, et al. **Annu Rev Genet** 1983;17:49–83 (162 ref.)

Prenatal diagnosis. Amniocentesis. McNay MB, et al. **Br J Hosp Med** 1984 Jun;31(6):406–7, 410–11, 13 passim (49 ref.)

Prenatal diagnosis. Ultrasound. Smith PA, et al. **Br J Hosp Med** 1984 Jun;31(6):421–6 (26 ref.)

Ultrasound visualization of congenital malformations. Campbell S, et al. **Br Med Bull** 1983 Oct;39(4):322–31 (33 ref.)

Quantitative estimation of the density ratios of cholinesterase bands in human amniotic fluids. Peat D, et al. **Clin Chim Acta** 1984 Apr 27;138(3):319–24

The prenatal diagnosis of fetal structural anomalies by ultrasound. Campbell S, et al. **Clin Obstet Gynaecol** 1983 Dec;10(3):475–506

Fetal defects may be detectable in the first trimester with experimental biopsy technique. **Fam Plann Perspect** 1983 Nov–Dec;15(6):284–6

Current practice in diagnosing the abnormal fetus. Whitehouse W. **Ginekol Pol** 1983 Aug–Sep;54(8–9):513–8

Prenatal diagnosis and genetic counselling. Brock DJ. **J Clin Pathol [Suppl] (R Coll Pathol)** 1974;(8):150–5

Amniocentesis in the prenatal diagnosis of genetic disorders and congenital defects. Padilla LM. **J Indiana State Med Assoc** 1983 Oct;76(10):669–75

The relationship of communication disorders to syndrome identification. Siegel-Sadewitz V, et al. **J Speech Hear Disord** 1982 Nov;47(4):338–54

NIH considers large-scale study to evaluate chorionic villi sampling [news] Cowart V. **JAMA** 1984 Jul 6;252(1):11–5

Wrongful life. Schmidt SM. **JAMA** 1983 Oct 28; 250(16):2209–10

Congenital abnormalities in legal abortions at 20 weeks' gestation or later. Alberman E, et al. **Lancet** 1984 Jun 2; 1(8388):1226–8

Ultrasound screening in pregnancy: a randomised controlled trial [letter] Eik-Nes SH, et al. **Lancet** 1984 Jun 16; 1(8390):1347

The prenatal detection of congenital malformations by ultrasonography. Hill LM, et al. **Mayo Clin Proc** 1983 Dec; 58(12):805–26 (186 ref.)

Data from an alpha-fetoprotein pilot screening program in Maine. Haddow JE, et al. **Obstet Gynecol** 1983 Nov; 62(5):556–60

Routine realtime ultrasound in a private obstetric office. Schamadan WE. **Ohio State Med J** 1983 Sep;79(9):714–5

Amniotic fluid pregnancy-specific beta 1-glycoprotein (SP1) in fetal developmental disorders. Heikinheimo M, et al. **Prenat Diagn** 1984 Mar–Apr;4(2):147–50

Confessions of a genetic counsellor. Jarmas AL. **Prenat Diagn** 1983 Jul;3(3):270

Outcome of cases of de novo structural rearrangements diagnosed at amniocentesis. Warburton D. **Prenat Diagn** 1984 Spring;4 Spec No:69–80

Antenatal screening for fetal abnormalities [letter] Jolley J. **Radiography** 1984 Jan;50(589):14

Reactivity of amniotic fluid alpha-fetoprotein with concanavalin A-sepharose in pre-natal diagnosis of fetal malformations. Kolho KL, et al. **Scand J Clin Lab Invest** 1983 Dec;43(8):687–90

Antenatal diagnosis of congenital anomalies. Ikeda K, et al. **Z Kinderchir** 1983 Aug;38(4):199–203

[Prenatal care of genetically high risk pregnancies in the Central Bohemian Region] Hájek Z, et al. **Cesk Gynekol** 1984 Feb;49(1):18–22 (Eng. Abstr.) **(Cze)**

[Fetus papyraceus] Jørgensen JC, et al. **Ugeskr Laeger** 1983 Sep 19;145(38):2938 (Eng. Abstr.) **(Dan)**

[Approach to collection of fetal fluid under echographic control] Bessis R, et al. **Ann Radiol (Paris)** 1983 Jun–Jul; 26(5):432–4 (Eng. Abstr.) **(Fre)**

[Methods in the prenatal diagnosis of congenital anomalies various results and perspectives] Marois M. **Bull Acad Natl Med (Paris)** 1983 Jun;167(6):589–96 (Eng. Abstr.) **(Fre)**

[Attitude of the pediatric surgeon to antenatal diagnosis of a malformation] Fekete CN. **J Genet Hum** 1984 Mar; 32(1):15–22 (Eng. Abstr.) **(Fre)**

[Alpha fetoprotein diagnosis in obstetrics] Weitzel H. **Arch Gynecol** 1983;235(1–4):419–25 **(Ger)**

[Specific sonographic exclusion diagnosis of fetal abnormalities in risk groups] Hansmann M, et al. **Gynakologe** 1984 Mar;17(1):19–32 **(Ger)**

[Prenatal ultrasonic diagnosis of malformations and their surgical consequences—a new chapter in pediatric surgery] Hofmann V, et al. **Z Kinderchir** 1983 Jun;38(3):145–51 (Eng. Abstr.) (Ger)

[Consequence of pathologic ultrasound findings in pregnant women. A contribution to the diagnosis of abnormalities using ultrasound] Dalicho FH. **Zentralbl Gynakol** 1983; 105(23):1512–21 (Eng. Abstr.) (Ger)

[Genetic mid–trimester amniocentesis] Reiter A, et al. **Harefuah** 1983 Apr 15;104(8):332–4 (Heb)

[Serum alpha–fetoprotein screening tests in the prevention of closure defects (a multicenter study)] Pejtsik B, et al. **Orv Hetil** 1984 Mar 18;125(12):699–702 (Eng. Abstr.) (Hun)

[Expectations (and doubts) about the value of prenatal ultrasonic diagnosis in intrauterine and neonatal surgery] Pintér A. **Orv Hetil** 1984 Feb 26;125(9):509–12 (Eng. Abstr.) (Hun)

[Prenatal diagnosis in the Genetic Counseling Department of the Child Health Center] Krajewska–Walasek M, et al. **Ginekol Pol** 1983 Nov–Dec;54(11–12):683–8 (Eng. Abstr.) (Pol)

[Prenatal diagnosis in families of carriers of balanced chromosome aberrations] Mazurczak T, et al. **Ginekol Pol** 1983 Aug–Sep;54(8–9):553–7 (Eng. Abstr.) (Pol)

[Clinical experiences in prenatal diagnosis based on the cases of the Child Health Center] Wiśniewski L, et al. **Ginekol Pol** 1983 Nov–Dec;54(11–12):679–82 (Eng. Abstr.) (Pol)

[Use of ultrasound in the diagnosis and treatment of congenital developmental defects in multi–fetal pregnancies] Poradovský K, et al. **Cesk Gynekol** 1983 Nov; 48(9):653–60 (Eng. Abstr.) (Slo)

[Fetal diagnosis in the county of Uppsala in 1982] Gustavson KH, et al. **Lakartidningen** 1984 Apr 4;81(14):1424–7 (Swe)

EMBRYOLOGY

The embryology and neuropathology of congenital malformations. Roessmann U. **Clin Neurosurg** 1983; 30:157–64

Diabetes in pregnancy: retarded fetal growth, congenital malformations and feto–maternal concentrations of zinc, copper and manganese in the rat. Eriksson UJ. **J Nutr** 1984 Mar;114(3):477–84

Honeybee syndrome, glycolysis, and birth defects [letter] **N Engl J Med** 1984 Jun 7;310(23):1535–6

Malformations in structural development. Chernoff GF, et al. **Semin Perinatol** 1983 Oct;7(4):244–6

The developmental pathogenesis of structural defects: the contribution of monozygotic twins. Jones KL, et al. **Semin Perinatol** 1983 Oct;7(4):239–43

Early morphological abnormalities in splotch mouse embryos and predisposition to gene– and retinoic acid–induced neural tube defects. Dempsey EE, et al. **Teratology** 1983 Dec;28(3):461–72

ENZYMOLOGY

Alkaline phosphatase activity in amniotic fluid in pregnancies with fetal disorders. Jalanko H, et al. **Prenat Diagn** 1983 Oct;3(4):303–9

ETIOLOGY

Problems of ascertainment of congenital anomalies. Little J, et al. **Acta Genet Med Gemellol (Roma)** 1984;33(1):97–105

VDTs and birth defects [news] **Am Fam Physician** 1983 Dec; 28(6):241

Clinical teratology. McCormack MK. **Am Fam Physician** 1983 Dec;28(6):153–61

Hiroshima and Nagasaki: forty years later. Upton AC. **Am J Ind Med** 1984;6(1):75–85

Embryonic stress hypothesis of teratogenesis. German J. **Am J Med** 1984 Feb;76(2):293–301 (84 ref.)

Chronic disease in the workplace and the environment. *Reproductive problems: fertility, teratogenesis, and* mutagenesis. Schull WJ. **Arch Environ Health** 1984 May–Jun;39(3):207–12 (31 ref.)

Fetal development: effects of decompression sickness and treatment. Gilman SC, et al. **Aviat Space Environ Med** 1983 Nov;54(11):1040–2

Risk of minor and major fetal malformations in diabetics with high haemoglobin A1c values in early pregnancy. Ylinen K, et al. **Br Med J [Clin Res]** 1984 Aug 11;289(6441):345–6

How safe is diagnostic ultrasonography? Brown BS. **Can Med Assoc J** 1984 Aug 15;131(4):307–11 (36 ref.)

Maternal hyperthyroidism and congenital malformation in the offspring. Momotani N, et al. **Clin Endocrinol (Oxf)** 1984 Jun;20(6):695–700

Human serum teratogenicity studied by rat embryo culture: epilepsy, anticonvulsant drugs, and nutrition. Chatot CL, et al. **Epilepsia** 1984 Apr;25(2):205–16

The epileptic mother and her child. Philbert A, et al. **Indian Pediatr** 1983 Nov;20(11):811–24 (110 ref.)

Avitaminosis and congenital malformations. Basu TK. **Int Z Vitam Ernahrungsforsch [Beih]** 1983;24:9–14

Pulse shape of magnetic fields influences chick embryogenesis. Ubeda A, et al. **J Anat** 1983 Oct;137 (Pt 3):513–36

Maternal hyperphenylalaninemia fetal effects. Lipson A, et al. **J Pediatr** 1984 Feb;104(2):216–20

Fetal abnormalities in cystic fibrosis suggest a deficiency in proteolysis of cholecystokinin. Gosden CM, et al. **Lancet** 1984 Sep 8;2(8402):541–6

Birth defects and glycolysis [editorial] Villee CA. **N Engl J Med** 1984 Jan 26;310(4):254–5

Dysplastic lesions and abnormalities in amphibians associated with environmental conditions. Mizgireuv IV, et al. **Neoplasma** 1984;31(2):175–81

Adverse pregnancy outcome: sensitive periods, types of adverse outcomes, and relationships with critical exposure periods. Kochenour NK. **Prog Clin Biol Res** 1984; 160:229–35 (11 ref.)

Intrinsic versus extrinsically derived deformational defects: a clinical approach. Jones MC. **Semin Perinatol** 1983 Oct; 7(4):247–9

Placental alterations secondary to intrauterine crowding. Robinson LK. **Semin Perinatol** 1983 Oct;7(4):278–80

Neuromuscular abnormalities as a cause of deformational defects. Trauner DA. **Semin Perinatol** 1983 Oct;7(4):250–2

Teratogenic aspects of abdominal wall defects. Lindham S. **Z Kinderchir** 1983 Aug;38(4):211–6

[Etiological survey on malformation of the newborn] Wang BY. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1984 Apr; 5(2):81–4 (Eng. Abstr.) (Chi)

[Relationship between cytomegalovirus infection in pregnant women and congenital infantile cytomegalovirus infection and birth defects in Beijing] Fu JL, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1983 Jun; 5(3):182–5 (Eng. Abstr.) (Chi)

[Children of former cancer patients] Rister M, et al. **Dtsch Med Wochenschr** 1983 Jul 29;108(30):1137–42 (Eng. Abstr.) (Ger)

[The significance of rare viral infections and the etiology of fetal damage] Krech U. **Zentralbl Gynakol** 1983; 105(21):1345–54 (Eng. Abstr.) (Ger)

[Hyperpyrexia in pregnancy—a teratogenic factor (editorial)] Borochowitz Z, et al. **Harefuah** 1983 Jan 2;104(1):32–3 (Heb)

[Congenital abnormalities and diabetes (editorial)] Ravina A, et al. **Harefuah** 1984 Jan 1;106(1):43–5 (Heb)

[Congenital malformations in the newborn infant of mothers with gestational diabetes and mothers with insulin–dependent diabetes] Zanardo V, et al. **Pediatr Med Chir** 1983 Jul–Aug;5(4):185–8 (Eng. Abstr.) (Ita)

[Current theories on the etiology of congenital anomalies] Troszyński M, et al. **Ginekol Pol** 1984 Jan;55(1):1–12 (Pol)

[Environmental and occupational factors in the development of congenital malformations] Marcickiewicz J, et al. **Probl Med Wieku Rozwoj** 1983;12:190–202 (Eng. Abstr.) (Pol)

[Experimental study of the effect of vibration on reproductive function] Balichieva DV, et al. **Gig Tr Prof Zabol** 1984 May;(5):32–4 (Eng. Abstr.) (Rus)

[Human reproduction and the environment] **Cesk Gynekol** 1984 Apr;49(3):213–37 (Slo)

[Environmental pollution as a risk factor in pregnancy] Poradovský K, et al. **Cesk Gynekol** 1983 Jul;48(6):460–5 (Slo)

[The infection factor in the production of birth defects] Aparicio Garrido J. **An R Acad Nac Med (Madr)** 1983; 100(3):481–95 (Spa)

FAMILIAL & GENETIC

Congenital anomalies in twins in Aberdeen and Northeast Scotland. Corney G, et al. **Acta Genet Med Gemellol (Roma)** 1983;32(1):31–5

Fetoscopy in the management of twin pregnancies discordant for a severe abnormality. Rodeck CH. **Acta Genet Med Gemellol (Roma)** 1984;33(1):57–60

Reproductive risks for translocation carriers: cytogenetic study and analysis of pregnancy outcome in 58 families. Neri G, et al. **Am J Med Genet** 1983 Dec;16(4):535–61

One hundred twin pregnancies in a prenatal diagnosis program. Taylor MB, et al. **Am J Med Genet** 1984 Jul; 18(3):419–22

The genetics of congenital malformations. Hunter AG. **Clin Neurosurg** 1983;30:139–56

Minor physical anomalies and obstetrical complications: their relationship to hyperactive, psychoneurotic, and normal children and their families. Firestone P, et al. **J Abnorm Child Psychol** 1983 Jun;11(2):207–16

Models and concepts derived from human teratogenesis and oncogenesis in early life. Bolande RP. **J Histochem Cytochem** 1984 Aug;32(8):878–84 (18 ref.)

The ear lobe crease: chromosomes, acupuncture, and atherosclerosis [letter] Dang CV. **Lancet** 1984 May 12; 1(8385):1083

Genetic patterns of transcobalamin II and the relationships with congenital defects. Fräter–Schröder M. **Mol Cell Biochem** 1983;56(1):5–31 (99 ref.)

International Commission for Protection against Environmental Mutagens and Carcinogens. ICPEMC Working Paper 5/6. Perspectives in mutation *epidemiology, 6. A 1983 view of sentinel phenotypes.* Mulvihill JJ, et al. **Mutat Res** 1983 Dec;123(3):345–61 (49 ref.)

Failure to demonstrate mutations affecting protein structure or function in children with congenital defects or born prematurely. Neel JV, et al. **Proc Natl Acad Sci USA** 1984 Sep;81(17):5499–503

The incidence of minor physical anomalies in adult male schizophrenics. Guy JD, et al. **Schizophr Bull** 1983; 9(4):571–82

[Methods and indications for prenatal diagnosis. I. Elements of human genetics] Masse A. **Union Med Can** 1983 Aug; 112(8):708–10, 712–3, 721 (Eng. Abstr.) (Fre)

[Results of a study of several genetically caused forms of perinatal pathology] Kristesashvili DI, et al. **Akush Ginekol (Mosk)** 1984 Jan;(1):36–7 (Eng. Abstr.) (Rus)

[Assessment of the frequency of rare electrophoretic variants of blood proteins in children with congenital pathology] Afanas'ev KI, et al. **Tsitol Genet** 1984 Mar–Apr; 18(2):129–32 (Eng. Abstr.) (Rus)

HISTORY

Basic embryology and clinical medicine: a case history in serendipity. Oppenheimer JM. **Bull Hist Med** 1984 Summer;58(2):236–40

Neurologic aspects of human anomalies. Morte PD. **West J Med** 1983 Aug;139(2):250–6

MICROBIOLOGY

Teratogenicity of Australian Simbu serogroup and some other Bunyaviridae viruses: the embryonated chicken egg as a model. McPhee DA, et al. **Infect Immun** 1984 Jan; 43(1):413–20

MORTALITY

Dysmorphism, dysplasia, and anomaly in sudden infant death [letter] Molz G, et al. **N Engl J Med** 1984 Jul 26;311(4):259

[Deaths due to congenital malformations in Chile (1970–1979)] Blanco R, et al. **Rev Med Chil** 1983 May; 111(5):510–8 (Eng. Abstr.) (Spa)

OCCURRENCE

Malformations in twins and their siblings, Norway, 1967–79. Windham GC, et al. **Acta Genet Med Gemellol (Roma)** 1984; 33(1):87–95

Polythelia [letter] Roemer FJ. **Am Fam Physician** 1984 Feb; 29(2):50

Re: 'Incidence and prevalence as measures of the frequency of birth defects' [letter] Czeizel A. **Am J Epidemiol** 1984 Jan;119(1):141–4

Re: 'Incidence and prevalence as measures of the frequency of birth defects' [letter] Sever LE. **Am J Epidemiol** 1983 Oct;118(4):608–10

High malformation rates and decreased mortality in infants of diabetic mothers managed after the first trimester of pregnancy (1956–1978). Ballard JL, et al. **Am J Obstet Gynecol** 1984 Apr 15;148(8):1111–8

Lack of association between contraceptive usage and congenital malformations in offspring. Linn S, et al. **Am J Obstet Gynecol** 1983 Dec 15;147(8):923–8

High birth defect rates in Arizona? Geographic and ethnic factors bearing upon late childbearing and birth defect rates. Hecht F, et al. **Ariz Med** 1983 Sep;40(9):621–3

Temporal trends in reported malformation incidence for the United States—Birth Defects Monitoring Program. Oakley GP Jr, et al. **Clin Pediatr (Phila)** 1984 Apr;23(4):246–7

The true disease pattern in East Africa. Part 1. Nordberg EM. **East Afr Med J** 1983 Jul;60(7):446–52

Epidemiology of birth defects. Janerich DT, et al. **Epidemiol Rev** 1983;5:16–37 (129 ref.)

Anxiety concerning fetal malformations in pregnant women exposed or not exposed to an antenatal serum alpha–fetoprotein screening program. Berne–Fromell K, et al. **Gynecol Obstet Invest** 1984;17(1):36–9

Questioning the use of Poisson distribution in birth defect monitoring [letter] Jerome LE. **Int J Epidemiol** 1984 Mar; 13(1):119–20

Evaluation of information systems for the surveillance of congenital malformations. Weatherall JA, et al. **Int J Epidemiol** 1984 Jun;13(2):193–6 (25 ref.)

Congenital malformations in 10,000 consecutive births in a university hospital: need for genetic counseling and prenatal diagnosis. Van Regemorter N, et al. **J Pediatr** 1984 Mar;104(3):386–90

Vietnam veterans' risks for fathering babies with birth defects. Erickson JD, et al. **JAMA** 1984 Aug 17; 252(7):903–12

Seasonality of abnormal births and the 'SPOO' hypothesis [letter] Jongbloet PH. **Lancet** 1983 Nov 5;2(8358):1084–5

Birth defects and Vietnam service [editorial] Armstrong BK, et al. **Med J Aust** 1984 Mar 31;140(7):388–9

Vietnam service and the risk of congenital anomalies. A case–control study. Donovan JW, et al. **Med J Aust** 1984 Mar 31;140(7):394–7

Temporal trends in reported malformation incidence for the United States—Birth Defects Monitoring Program. Oakley GP Jr, et al. **MMWR Surveill Summ** 1983 Feb; 32(1):7SS–10SS

The load of genetic and partially genetic disorders in man. I. Congenital anomalies: estimates of detriment in terms of years of life lost and years of impaired life. Czeizel A, et al. **Mutat Res** 1984 Aug;128(1):73–103

The epidemiological study of birth defects [letter] Borman B, et al. **NZ Med J** 1984 Sep 12;97(763):620

The New Zealand congenital anomaly register. Foster FH. **NZ Med J** 1984 Mar 14;97(751):150–3

The incidence of congenital malformation in Dr. Pirngadi hospital, Medan. Lubis A, et al. **Paediatr Indones** 1983 Jul–Aug;23(7–8):138–44

Ethnic differences in the distribution of congenital malformations. Terry PB, et al. **Postgrad Med J** 1983 Oct; 59(696):657–8

Congenital malformations in West Virginia. Banks JW 3d. **W Va Med J** 1984 Apr;80(4):71–3

[Epidemiological survey on deformity of fetus in Shanxi Province] **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1984 Apr;5(2):75–80 (Eng. Abstr.) **(Chi)**

[In vitro fertilization and abnormalities (letter)] **Ugeskr Laeger** 1984 Feb 6;146(6):440–1 **(Dan)**

[Registration of congenital malformations in Paris. Evaluation and perspectives of a study carried out under the auspices of the European Economic Community] Goujard J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1983; 12(8):805–17 (Eng. Abstr.) **(Fre)**

[Chronic toxoplasmosis in pregnant women—an epidemiological and social problem] Jezyna C, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Jan; 177(1–2):96–102 (Eng. Abstr.) **(Ger)**

[Monitoring of the pathogenesis of congenital abnormalities] Czeizel E, et al. **Orv Hetil** 1983 Aug 28;124(35):2121–5 (Eng. Abstr.) **(Hun)**

[Malformation pathology and infant mortality in the decade 1971–1980 in the area of Trieste] Giarelli L, et al. **Pathologica** 1983 Mar–Apr;75(1036):197–205 (Eng. Abstr.) **(Ita)**

[Incidence of congenital malformations among newborn infants in Poland in 1972. Preliminary report] Wiór H, et al. **Probl Med Wieku Rozwoj** 1979;8:144–51 (Eng. Abstr.) **(Pol)**

[Prevalence and detection of various congenital developmental anomalies in term and premature newborn infants] Tiurin NA, et al. **Pediatriia** 1983 Jul;(7):45–6 (8 ref.) **(Rus)**

[Characteristics of the incidence of congenital developmental defects in Byelorussia] Laziuk GI, et al. **Vestn Akad Med Nauk SSSR** 1984;(7):58–61 (Eng. Abstr.) **(Rus)**

[Congenital and acquired defects among children of Central Banat. Population-genetic study of SAPV children in 1982] Velisavljev MD, et al. **Med Pregl** 1983;36(7–8):311–4 (Eng. Abstr.) **(Scr)**

[Detection of external congenital malformations. Incidence in 3,283 consecutive live newborn infants] Canún-Serrano S, et al. **Bol Med Hosp Infant Mex** 1984 Jan;41(1):21–4 (Eng. Abstr.) **(Spa)**

[Prenatal factors and congenital defects in 7,791 consecutive births] Hernández A, et al. **Bol Med Hosp Infant Mex** 1983 Jul;40(7):363–6 (Eng. Abstr.) **(Spa)**

PATHOLOGY

[Patho-anatomic teratology. A current challenge] Födisch HJ, et al. **Gynakologe** 1984 Mar;17(1):2–12 **(Ger)**

PHYSIOPATHOLOGY

Successful auditory brainstem evoked response testing and test-age relationships in difficult-to-test children. Smyth V. **Aust Paediatr J** 1984 May;20(2):115–7

An artificial 'embryo' for detection of abnormal developmental biology. Johnson EM, et al. **Fundam Appl Toxicol** 1983 Jul–Aug;3(4):243–9

[Intra-uterine growth indicators in 105 newborn infants with external congenital abnormalities] Zafra-de la Rosa G, et al. **Bol Med Hosp Infant Mex** 1984 Feb;41(2):81–5 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

The physician's role in prenatal counseling. Minkoff HL. **Am Fam Physician** 1984 Jun;29(6):185–8

Prevention of congenital malformations. Warkany J. **Curr Probl Pediatr** 1983 May;13(7):1–26 (23 ref.)

The effect of intensified conventional insulin therapy before and during pregnancy on the malformation rate in offspring of diabetic mothers. Fuhrmann K, et al. **Exp Clin Endocrinol** 1984 Apr;83(2):173–7

Congenital malformations: are they preventable? Clarke C. **Med Lab Sci** 1984 Apr;41(2):179–83

Wrongful birth and wrongful life in Texas. Young MG. **Tex Med** 1984 May;80(5):74–5

[Postnatal development of children from pregnancies given preconceptive genetic care] Hájek Z, et al. **Cesk Gynekol** 1984 Apr;49(3):171–6 (Eng. Abstr.) **(Cze)**

[Are advances in genetics going to eliminate congenital malformations?] Boué A. **Rev Chir Orthop** 1984;70 Suppl 2:5–9 **(Fre)**

[Importance of pre-conception care (letter)] **Orv Hetil** 1984 Apr 8;125(15):920 **(Hun)**

[Genetics, the law and pregnancy] Canki N, et al. **Jugosl Ginekol Opstet** 1983 Sep–Dec;23(5–6):144–5 (Eng. Abstr.) **(Scr)**

PSYCHOLOGY

Minor physical anomalies and behavior in neonates: sex and gestational age differences. Riese ML. **J Pediatr Psychol** 1984 Jun;9(2):257–66

RADIOGRAPHY

The radiology of stillbirths and neonatal deaths. Winter RM, et al. **Br J Obstet Gynaecol** 1984 Aug;91(8):762–5

Prenatal computed tomography: are there indications? Siegel HA, et al. **J Comput Assist Tomogr** 1984 Oct;8(5):871–6

SURGERY

Total parenteral nutrition in pediatric surgery using a new amino acid solution (Vaminolac). Meurling S, et al. **Acta Chir Scand [Suppl]** 1983;517:79–87

Neonatal surgery II. Kolihová E, et al. **Acta Univ Carol [Med Monogr] (Praha)** 1980;98:1–103

Spinal anesthesia for surgery in the high-risk infant. Abajian JC, et al. **Anesth Analg** 1984 Mar;63(3):359–62

Treatment of the fetus in utero: evolving concepts. Manning FA, et al. **Clin Obstet Gynecol** 1984 Jun;27(2):378–90 (28 ref.)

Fetal surgery—past, present, and future. Redwine F, et al. **Clin Perinatol** 1983 Jun;10(2):399–410 (38 ref.)

Radiographic evaluation of the postoperative neonatal chest. Altman AR, et al. **Curr Probl Diagn Radiol** 1984 Jan–Feb; 13(1):1–40

The infant with severe anomalies: should life-saving surgery be performed? Greifer I. **Mt Sinai J Med (NY)** 1984 Jan–Feb;51(1):32–3

Rabbinic comment: The infant with severe anomalies: should life-saving surgery be performed? Kravitz L. **Mt Sinai J Med (NY)** 1984 Jan–Feb;51(1):34–6

[Surgical intervention in utero] Schenker JG, et al. **Harefuah** 1983 Apr 1;104(7):288–90 **(Heb)**

[Psycho-social aspects of pediatric surgery] Montinari M, et al. **Pediatria (Napoli)** 1983 Jun–Sep;91(2–3):185–95 (Eng. Abstr.) **(Ita)**

[General anesthesia in infants] Czekuć E, et al. **Probl Med Wieku Rozwoj** 1979;9:235–45 (Eng. Abstr.) **(Pol)**

THERAPY

'Baby Doe' rules. There are alternatives. Johnson DE, et al. **Am J Dis Child** 1984 Jun;138(6):523–9

Decision making by parents and pediatricians [letter] Stanley-Brown EG. **Am J Dis Child** 1984 Jun;138(6):607

The 'Baby Doe' issue: developments at the state level. Britton JR. **Colo Med** 1984 May;81(5):111–3

Questions and answers on the 'Baby Doe' rulings. Victoroff M. **Colo Med** 1984 May;81(5):109–10

The ethical dilemma. Selective non-treatment of newborn infants with major handicaps. Newman N. **Med J Aust** 1983 Sep 17;2(6):252–3

The treatment of newborn infants with major handicaps. A survey of obstetricians and paediatricians in Victoria. Singer P, et al. **Med J Aust** 1983 Sep 17;2(6):274–8

The infant: right to privacy and patient's right to know. Krasna I. **Mt Sinai J Med (NY)** 1984 Jan–Feb;51(1):25–8

'Baby Doe' rulings–review and comment. Britton JR. **West J Med** 1984 Feb;140(2):303–7

[Intrauterine referrals; an overview of 4 years' experience, 1978–1981] Huisman A, et al. **Ned Tijdschr Geneeskd** 1983 Aug 20;127(34):1525–30 (Eng. Abstr.) **(Dut)**

[Attitude of the pediatric surgeon faced with the prenatal diagnosis of a malformation] Fekete CN. **Chir Pediatr** 1983; 24(6):369–72 **(Fre)**

[Parenteral feeding of the newborn and young infants] Krivchenia DIu, et al. **Klin Khir** 1984 Jun;(6):42–4 (Eng. Abstr.) **(Rus)**

VETERINARY

Bovine congenital defects. Leipold HW, et al. **Adv Vet Sci Comp Med** 1983;27:197–271 (485 ref.)

Prevalence of congenital abnormalities in pigs. Mulley RC, et al. **Aust Vet J** 1984 Apr;61(4):116–20

A note on some abnormalities and anomalies in camels (Camelus dromedarius). Musa BE. **DTW** 1984 Mar 8; 91(3):94–6

Use of the New Zealand white rabbit in teratology: incidence of spontaneous and drug-induced malformations. Stadler J, et al. **Food Chem Toxicol** 1983 Oct;21(5):631–6

Ethics involved in concealment of genetic defects. Amstutz HE. **Mod Vet Pract** 1982 May;63(5):417–9

The influence of cage versus floor pen management of broiler breeder hens on subsequent performance of cage reared broilers. Petitte JN, et al. **Poult Sci** 1983 Jul;62(7):1241–6

Teratogenic plants. Shupe JL, et al. **Vet Hum Toxicol** 1983 Dec;25(6):415–21 (32 ref.)

ABNORMALITIES, DRUG-INDUCED

see related
TERATOGENS

Teratologic studies of solvent refined coal process materials. Hackett PL, et al. **Dev Toxicol Environ Sci** 1983;11:349–52

Validation of the whole-embryo culture method for in vitro teratogenicity testing. Schmid BP, et al. **Dev Toxicol Environ Sci** 1983;11:563–6

Effects of glucose on rat embryos in culture. Garnham EA, et al. **Diabetologia** 1983 Sep;25(3):291–5

A tentative assessment of water pollution by the medaka egg stationing method: aerial application of fenitrothion emulsion. Hiraoka Y, et al. **Environ Res** 1984 Aug; 34(2):262–7

Teratogenicity of antiepileptic drug combinations with special emphasis on epoxidation (of carbamazepine). Lindhout D, et al. **Epilepsia** 1984 Feb;25(1):77–83

Indomethacin and the fetal renal nonfunction syndrome. Veersema D, et al. **Eur J Obstet Gynecol Reprod Biol** 1983 Oct;16(2):113–21

Teratogenic effects of methylnitrosourea on pregnant mice before implantation. Takeuchi IK. **Experientia** 1984 Aug 15;40(8):879–81

Teratogenic interactions of repeated doses of cortisone. Dostál M. **Folia Morphol (Praha)** 1984;32(1):27–33

Teratologic evaluation of 3,6-Dichloropicolinic acid in rats and rabbits. Hayes WC, et al. **Fundam Appl Toxicol** 1984 Feb;4(1):91–7

Teratologic evaluation of inhaled epichlorohydrin and allyl chloride in rats and rabbits. John JA, et al. **Fundam Appl Toxicol** 1983 Sep–Oct;3(5):437–42

Reproductive toxicological evaluation of Omadine MDS. Johnson DE, et al. **Fundam Appl Toxicol** 1984 Feb; 4(1):81–90

Preclinical toxicity and teratogenicity studies with the narcotic antagonist analgesic drug TR5379M. Porter MC, et al. **Fundam Appl Toxicol** 1983 Sep–Oct;3(5):478–82

Results of teratogenicity testing of m-aminophenol in Sprague-Dawley rats. Re TA, et al. **Fundam Appl Toxicol** 1984 Feb;4(1):98–104

Characteristics of vertebral abnormalities of medaka as a water pollution indicator. Hiraoka Y, et al. **Hiroshima J Med Sci** 1983 Sep;32(3):261–6

Effect of low doses of ethanol on fetus & fetal milieu in rat. Sreenathan RN, et al. **Indian J Exp Biol** 1983 Mar; 21(3):108–12

Carbon disulphide intrauterine sensitization. Tabacova S, et al. **J Appl Toxicol** 1983 Oct;3(5):223–9

Effect of in utero exposure to anticonvulsants on craniofacial development and growth. Van Lang QC, et al. **J Craniofac Genet Dev Biol** 1984;4(2):115–33

Teratogenic evaluation and fetal deposition of hexabromobenzene (HBB) and hexafluorobenzene (HFB) in CD-1 mice. Courtney KD, et al. **J Environ Sci Health [B]** 1984 Feb;19(1):83–94

Factors in manifestation of developmental abnormalities of the central nervous system by environmental agents. Kameyama Y. **J Toxicol Sci** 1983 May;8(2):91–103

Pre- and postnatal development of rats following concomitant intrauterine exposure to propoxyphene and chlordiazepoxide. Buttar HS, et al. **Neurobehav Toxicol Teratol** 1983 Sep–Oct;5(5):549–56

Multiple congenital malformations associated with maternal isotretinoin therapy. de la Cruz E, et al. **Pediatrics** 1984 Sep;74(3):428–30

Toxicity of rubber chemicals in the chicken embryo. How to interpret results from animal tests. Hemminki K. **Scand J Work Environ Health** 1983;9 Suppl 2:73–7

Spontaneous abortions among rubber workers and congenital malformations in their offspring. Lindbohm ML, et al. **Scand J Work Environ Health** 1983;9 Suppl 2:85–90

The Finnish-Swedish project on genotoxic hazards in the rubber industry. Conclusions and recommendations. Ramel C, et al. **Scand J Work Environ Health** 1983;9 Suppl 2:91–3

Health effects of dioxin [letter] Sterling TD. **Science** 1984 Mar 16;223(4641):1202

Mutagenic, cytotoxic, and teratogenic effects of 2-acetylaminofluorene and reactive metabolites in vitro. Faustman-Watts EM, et al. **Teratogenesis Carcinog Mutagen** 1984;4(3):273–83

Malformations and growth of rat fetuses exposed to brief periods of alcohol in utero. Fernandez K, et al. **Teratogenesis Carcinog Mutagen** 1983;3(6):457–60

Mouse limb bud development in submerged culture: quantitative assessment of the effects of in vivo exposure to retinoic acid. Kwasigroch TE, et al. **Teratogenesis Carcinog Mutagen** 1984;4(3):311–26

A selection of candidate compounds for in vitro teratogenesis test validation. Smith MK, et al. **Teratogenesis Carcinog Mutagen** 1983;3(6):461–80

Teratogenicity of progestational agents [letter] **Teratology** 1984 Feb;29(1):131–46

A teratological evaluation and analysis of fetal tissue levels following administration of tetrachlorobenzene isomers to the rat. Kacew S, et al. **Teratology** 1984 Feb;29(1):21–7

Potentiation of acetazolamide induced ectrodactyly in SWV and C57BL/6J mice by cadmium sulfate. Kuczuk MH, et al. **Teratology** 1984 Jun;29(3):427–35

Importance of the route of administration for genetic differences in benzo[a]pyrene-induced in utero toxicity and teratogenicity. Legraverend C, et al. **Teratology** 1984 Feb; 29(1):35–47

Embryotoxic effects of salicylates: role of biotransformation. Greenaway JC, et al. **Toxicol Appl Pharmacol** 1984 Jun 15;74(1):141–9

Vomitoxin (4-deoxynivalenol): effects on reproduction of mice and rats. Khera KS, et al. **Toxicol Appl Pharmacol** 1984 Jul;74(3):345–56

Teratological evaluation of trimethyl phosphite in the rat. Mehlman MA, et al. **Toxicol Appl Pharmacol** 1984 Jan; 72(1):119–23

Two-year toxicity/carcinogenicity study of fresh-brewed coffee in rats initially exposed in utero. Palm PE, et al. **Toxicol Appl Pharmacol** 1984 Jul;74(3):364–82

The teratogenicity of methoxyacetic acid in the rat. Brown NA, et al. **Toxicol Lett** 1984 Jul;22(1):93–100

Monitoring of organ formation in rat embryos after in vitro exposure to azathioprine, mercaptopurine, methotrexate or cyclosporin A. Schmid BP. **Toxicology** 1984 May 1; 31(1):9–21

Teratological evaluation of gamma-glycidoxypropyltrimethoxysilane in rats. Siddiqui WH, et al. **Toxicology** 1984 May 1;31(1):1–8

Absence of a hand (acheiria) in a child whose father was treated with cyclophosphamide for Behçet's disease. Balci S, et al. **Turk J Pediatr** 1983 Jan–Mar;25(1):55–8

[Embryotoxicity and teratogenicity studies on artemether in mice, rats and rabbits] Chen LJ, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Jun;5(2):118–22 (Eng. Abstr.) **(Chi)**

[Mutagenicity and teratogenicity of furapyrimidone] Ni YC, et al. **Chung Kuo Yao Li Hsueh Pao** 1983 Sep;4(3):201–5 (Eng. Abstr.) **(Chi)**

[The fetal alcohol syndrome. Description of 2 cases] Baldassar Ferrero AM, et al. **Ann Osp Maria Vittoria Torino** 1982 Jul–Dec; 25(7–12):215–25 (Eng. Abstr.) **(Ita)**

[Teratogenic action of Rifaximin in the rat and rabbit and its effect on perinatal development in the rat] Bertoli D, et al. **Boll Soc Ital Biol Sper** 1984 May 30;60(5):1079–85 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Maternal drug use and fetal anomalies [letter] Michalak D, et al. **J Ultrasound Med** 1984 May;3(5):230, 234

[Teratogenic effect of anticonvulsants with special emphasis on the fetal hydantoin syndrome] Canki N, et al. **Jugosl Ginekol Opstet** 1983 Jan–Apr;23(1–2):29–32 (Eng. Abstr.) **(Ser)**

DRUG THERAPY

Methylazoxymethanol microencephaly in rats: neurochemical characterization and behavioral studies with the nootropic oxiracetam. Banfi S, et al. **Pharmacol Res Commun** 1984 Jan;16(1):67–83

EMBRYOLOGY

Critical periods for alcohol teratogenesis in mice, with special reference to the gastrulation stage of embryogenesis. Sulik KK. **Ciba Found Symp** 1984;105:124–41

Vascular pattern and limb development. 1. Normal development of the hindlimb vasculature in the mouse and its aberrations induced by 5-fluorouracil. Katagiri N. **Hiroshima J Med Sci** 1983 Dec;32(4):485–500

N-nitrosophenacetin: its synthesis, characterization, mutagenicity, and teratogenicity. Lin JK, et al. **JNCI** 1984 Apr;72(4):863–9

Interaction of dietary zinc, genetic strain, and acetazolamide in teratogenesis in mice. Hackman RM, et al. **Teratology** 1983 Dec;28(3):355–68

Arsenic-induced exencephaly in the mouse and associated lesions occurring during neurulation. Morrissey RE, et al. **Teratology** 1983 Dec;28(3):399–411

Caffeine-induced limb malformations: description of malformations and quantitation of placental transfer. Scott WJ Jr. **Teratology** 1983 Dec;28(3):427–35

[Toxic and teratogenic effects of the ammonium salt of fosamine on the development of quail and chick embryos] Lutz-Ostertag Y. **Arch Anat Microsc Morphol Exp** 1983; 72(1):77–85 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Embryotoxic and teratogenic effects of phenoxy herbicides. Duffard R, et al. **Acta Physiol Lat Am** 1981;31(1):35–8

Lithium and pregnancy. A cohort study on manic-depressive women. Källén B, et al. **Acta Psychiatr Scand** 1983 Aug; 68(2):134–9

Teratogenic effects of the organophosphorus compound fenchlorphos in rabbits. Nafstad I, et al. **Acta Vet Scand** 1983;24(3):295–304

Neuropharmacologic teratogenesis and neurotransmitter regulation of palate development. Zimmerman EF. **Am J Ment Defic** 1984 Mar;88(5):548–58

Structural anomalies of the cervix and vagina in women enrolled in the Diethylstilbestrol Adenosis (DESAD) Project. Jefferies JA, et al. **Am J Obstet Gynecol** 1984 Jan 1;148(1):59–66

Birth defects in relation to Bendectin use in pregnancy. II. Pyloric stenosis. Mitchell AA, et al. **Am J Obstet Gynecol** 1983 Dec 1;147(7):737–42

Coffee consumption during pregnancy and selected congenital malformations: a nationwide case-control study. Kurppa K, et al. **Am J Public Health** 1983 Dec; 73(12):1397–9

'Ricin syndrome'. A possible new teratogenic syndrome associated with ingestion of castor oil seed in early pregnancy: a case report. El Mauhoub M, et al. **Ann Trop Paediatr** 1983 Jun;3(2):57–61

Methotrexate and teratogenesis [letter] Perry WH. **Arch Dermatol** 1983 Nov;119(11):874–5

Maternal exposure to environmental chemicals and the aetiology of teratogenesis. Gibson GT, et al. **Aust NZ J Obstet Gynaecol** 1983 Aug;23(3):170–5

An unusual congenital abnormality in a diabetic patient's infant. Daw E, et al. **Br J Clin Pract** 1984 Apr;38(4):153

The congenital cervicovaginal transformation zone in young women exposed to diethylstilboestrol in utero. McDonnell JM, et al. **Br J Obstet Gynaecol** 1984 Jun;91(6):574–9

Female pseudohermaphroditism associated with danazol exposure in utero. Case report. Shaw RW, et al. **Br J Obstet Gynaecol** 1984 Apr;91(4):386–9

Pregnancy after cytotoxic chemotherapy for gestational trophoblastic tumours. Rustin GJ, et al. **Br Med J [Clin Res]** 1984 Jan 14;288(6411):103–6

Clinical studies on teenage Brazilian victims of thalidomide. Schmidt M, et al. **Braz J Med Biol Res** 1983 Jul;16(2):105–9

Aplasia cutis congenita and methimazole [letter] Bachrach LK, et al. **Can Med Assoc J** 1984 May 15;130(10):1264

Bendectin: the wrong way to regulate drug availability [editorial] Leeder JS, et al. **Can Med Assoc J** 1983 Nov 15;129(10):1085–7

Alcohol and congenital heart defects: an experimental study in mice. Webster WS, et al. **Cardiovasc Res** 1984 Jun; 18(6):335–8

Valproic acid and congenital malformations. A case report. Bantz EW. **Clin Pediatr (Phila)** 1984 Jun;23(6):352–3

Antipsychotic drug use and birth defects: an epidemiologic reassessment. Edlund MJ, et al. **Compr Psychiatry** 1984 Jan–Feb;25(1):32–7

Teratogenicity study of ethylene glycol in rats. Maronpot RR, et al. **Drug Chem Toxicol** 1983;6(6):579–94

Marijuana and alcohol use in pregnancy. Conner CS. **Drug Intell Clin Pharm** 1984 Mar;18(3):233–4 (9 ref.)

Comparative study on the teratogenicity of some antiepileptics in the rat. El-Sayed MG, et al. **East Afr Med J** 1983 Jun;60(6):407–15

Non-dose-related side effects of valproate. Jeavons PM. **Epilepsia** 1984;25 Suppl 1:S50–5

Preclinical toxicology studies with acyclovir: teratologic, reproductive and neonatal tests. Moore HL Jr, et al. **Fundam Appl Toxicol** 1983 Nov–Dec;3(6):560–8

Experimental model for reduction deformities of forelimbs in rat foetus. Jeyaseelan N, et al. **Indian J Med Res** 1984 Feb;79:268–76

Toxofactor associated with Toxoplasma gondii infection is toxic and teratogenic to mice. Grimwood B, et al. **Infect Immun** 1983 Dec;42(3):1126–35

Drugs and pregnancy. Murphy JF. **Ir Med J** 1984 Feb; 77(2):52–6 (52 ref.)

Isotretinoin and pregnancy. Stern RS, et al. **J Am Acad Dermatol** 1984 May;10(5 Pt 1):851–4 (9 ref.)

The use of lithium during pregnancy and lactation. Linden S, et al. **J Clin Psychiatry** 1983 Oct;44(10):358–61 (24 ref.)

Lithium and pregnancy [editorial] Pitts FN. **J Clin Psychiatry** 1983 Oct;44(10):357

Inhibition of proteolysis in rat yolk sac as a cause of teratogenesis. Effects of leupeptin in vitro and in vivo. Freeman SJ, et al. **J Embryol Exp Morphol** 1983 Dec; 78:183–93

Bipartite axiation follows incomplete epiboly in zebrafish embryos treated with chemical teratogens. Baumann M, et al. **J Exp Zool** 1984 Jun;230(3):363–76

The development potential of ethanol-induced monosomic and trisomic conceptuses in the mouse. Kaufman MH, et al. **J Exp Zool** 1984 Jul;231(1):149–55

Warfarin embryopathy—a case report. Lamontagne JM, et al. **J Otolaryngol** 1984 Apr;13(2):127–9

Severe mental retardation and multiple congenital anomalies of uncertain cause after extreme parental exposure to 2,4-D. Casey PH, et al. **J Pediatr** 1984 Feb;104(2):313–5

Possible teratogenic effect of valproate during pregnancy [letter] Koch S, et al. **J Pediatr** 1983 Dec;103(6):1007–8

Fetal anticonvulsant syndrome in rats: dose- and period-response relationships of prenatal diphenylhydantoin, trimethadione and phenobarbital exposure on the structural and functional development of the offspring. Vorhees CV. **J Pharmacol Exp Ther** 1983 Nov;227(2):274–87

Acute embryopathic effects of ethanol in the Long-Evans rat. Mankes RF, et al. **J Toxicol Environ Health** 1983 Apr-Jun;11(4–6):583–90

The isotretinoin teratogen syndrome. Benke PJ. **JAMA** 1984 Jun 22–29;251(24):3267–9

Carbamazepine, seizure disorders, and pregnancy [letter] Butler CD. **JAMA** 1983 Dec 16;250(23):3164

Vietnam and birth defects [editorial] Dan BB. **JAMA** 1984 Aug 17;252(7):936–7

More cautionary labeling appears on isotretinoin [news] Marwick C. **JAMA** 1984 Jun 22–29;251(24):3208–9

The relationship between prenatal exposure to lead and congenital anomalies. Needleman HL, et al. **JAMA** 1984 Jun 8;251(22):2956–9

Honeybees, energy supply, and birth defects [editorial] **Lancet** 1984 Apr 21;1(8382):886–7

Debendox is not thalidomide [editorial] **Lancet** 1984 Jul 28; 2(8396):205–6

Pyrimethamine combinations in pregnancy [editorial] **Lancet** 1983 Oct 29;2(8357):1005–7

Isotretinoin dysmorphic syndrome [letter] Braun JT, et al. **Lancet** 1984 Mar 3;1(8375):506–7

Unusual limb-reduction defect in infant born to mother taking periconceptional multivitamin supplement [letter] David TJ. **Lancet** 1984 Mar 3;1(8375):507–8

Pyrimethamine in pregnancy [letter] Harpey JP. **Lancet** 1983 Nov 19;2(8360):1193

Isotretinoin teratogenicity [letter] Hill RM. **Lancet** 1984 Jun 30;1(8392):1465

Spina bifida and in-utero exposure to valproate [letter] Lindhout D, et al. **Lancet** 1984 Aug 18;2(8399):396

Maternal epilepsy, valproate exposure, and birth defects [letter] Mastroiacovo P, et al. **Lancet** 1983 Dec 24–31; 2(8365–66):1499

Valproate and birth defects [letter] Robert E, et al. **Lancet** 1983 Nov 12;2(8359):1142

Mount Gambier drinking water and birth defects. A laboratory study in rats after earlier epidemiological findings. Dreosti IE, et al. **Med J Aust** 1984 Sep 29; 141(7):409–11

Herbicides and teratogenesis [letter] Lipson A. **Med J Aust** 1983 Oct 15;2(8):367–8

The innocent bystander. Doxylamine/dicyclomine/pyridoxine and congenital limb defects. McCredie J, et al. **Med J Aust** 1984 Apr 28; 140(9):525–7

Vietnam service and congenital anomalies [letter] Reznik R, et al. **Med J Aust** 1984 Aug 4;141(3):194–5

Isotretinoin—a newly recognized human teratogen. **MMWR** 1984 Apr 6;33(13):171–3

Decreased fertility, increased dominant lethals, skeletal malformations induced in the mouse by Ziram fungicide. Cilievici O, et al. **Morphol Embryol (Bucur)** 1983 Jul–Sep; 29(3):159–65

Agent Orange and birth defects (continued) [letter] Constable JD, et al. **N Engl J Med** 1984 Mar 8;310(10):653–4

Lack of relation of oral clefts to diazepam use in pregnancy [letter] Entman SS, et al. **N Engl J Med** 1984 Apr 26; 310(17):1121–2

The honeybee syndrome – implications of the teratogenicity of mannose in rat-embryo culture. Freinkel N, et al. **N Engl J Med** 1984 Jan 26;310(4):223–30

Possible association of use of bendectin during early pregnancy and congenital lung hypoplasia [letter] Grodofsky MP, et al. **N Engl J Med** 1984 Sep 13; 311(11):732

Vitamin A teratogenicity [letter] Hall JG. **N Engl J Med** 1984 Sep 20;311(12):797–8

Oral clefts and diazepam use during pregnancy [letter] Shiono PH, et al. **N Engl J Med** 1984 Oct 4;311(14):919–20

Morphogenesis of cleft palate induced by cortisone in hamster. Kiso Y, et al. **Nippon Juigaku Zasshi** 1984 Feb; 46(1):115–8

Effects of selected OTC medications on the unborn and newborn. Reid JD. **Nurse Pract** 1983 Sep;8(8):43–50

Prenatal phenobarbital sodium provokes malformations but no brain tumors in mice. Cavaliere A, et al. **Pathologica** 1984 Jan–Feb;76(1041):47–52

Carbamazepine and carbamazepine-10,11- epoxide during pregnancy and postnatal period in epileptic mother and their nursed infants: pharmacokinetics and clinical effects. Kuhnz W, et al. **Pediatr Pharmacol (New York)** 1983; 3(3–4):199–208

Agenesis of the cloacal membrane. A probable teratogenic anomaly. Robinson HB Jr, et al. **Perspect Pediatr Pathol** 1984 Spring;8(1):79–96

Interaction of alcohol and zinc in fetal dysmorphogenesis. Miller SI, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:311–5

Therapeutic drugs in pregnancy. Caution is the watchword. Niebyl JR. **Postgrad Med** 1984 Jun;75(8):165–6, 169–72

Teratogenic effect of AY 9944 in rats: importance of the day of administration and maternal plasma cholesterol level. Barbu V, et al. **Proc Soc Exp Biol Med** 1984 May; 176(1):54–9

Mechanism of environmental agents by class associated with adverse female reproductive outcome. Manson JM. **Prog Clin Biol Res** 1984;160:237–48 (10 ref.)

Vitamin A and the control of development. Summerbell D, et al. **Prog Clin Biol Res** 1984;151:439–51

Fetal hydantoin syndrome. Kogutt MS. **South Med J** 1984 May;77(5):657–8

Male-transmitted developmental and neurobehavioral deficits. Adams PM, et al. **Teratogenesis Carcinog Mutagen** 1984;4(1):149–69

External malformations in chick embryos following concomitant administration of methylxanthines and beta-adrenomimetic agents: 1. Gross pathologic features. Bruyere HJ Jr, et al. **Teratology** 1983 Oct;28(2):257–69

Comparative teratogenicity of phenytoin among several inbred strains of mice. Hansen DK, et al. **Teratology** 1983 Oct;28(2):175–9

Maternal toxicity—a possible factor in fetal malformations in mice. Khera KS. **Teratology** 1984 Jun;29(3):411–6 (42 ref.)

A kinetic analysis of rat embryo response to cyclophosphamide exposure in vitro. Mirkes PE, et al. **Teratology** 1983 Oct;28(2):249–56

Potentiating effects of methylxanthines on teratogenicity of mitomycin C in mice. Nakatsuka T, et al. **Teratology** 1983 Oct;28(2):243–7

Evaluation of the teratogenic potential of delalutin (17 alpha-hydroxyprogesterone caproate) in mice. Seegmiller RE, et al. **Teratology** 1983 Oct;28(2):201–8

Teratogenic action of hypolipidemic agents: an in vitro study with postimplantation rat embryos. Steele CE, et al. **Teratology** 1983 Oct;28(2):229–36

An in vivo/in vitro evaluation of the teratogenic action of excess vitamin A. Steele CE, et al. **Teratology** 1983 Oct; 28(2):209–14

Reproduction and teratology studies on hexamethylmelamine in the rat and rabbit. Thompson DJ, et al.

Toxicol Appl Pharmacol 1984 Feb;72(2):245–54
Teratogenicity of 2,3,7,8–tetrachlorodibenzofuran (TCDF) in mice. Weber H, et al. **Toxicol Lett** 1984 Feb;20(2):183–8
Dose–response relationships of retinol in production of the Arnold–Chiari malformation. Willhite CC. **Toxicol Lett** 1984 Mar;20(3):257–62
Molecular structure–teratogenicity relationships of some fragrance additives. Abramovici A, et al. **Toxicology** 1983 Dec;29(1–2):143–56
Evaluation of the teratogenic potential in Ciba–Geigy Go 10213, a new nitroimidazole derivative: 1–methane–sulphonyl–3–(1–methyl–5–nitro–1H–imidazole imidazolidinone, an amoebicide, trichomonicide and giardicide, in giardicide, in rats. Rao RR, et al. **Toxicology** 1983 Dec;29(1–2):157–61
Toxic and teratogenic effects of chemical class fractions of a coal–gasification electrostatic precipitator tar. Schultz TW, et al. **Toxicology** 1983 Dec;29(1–2):87–99
[Relationship between the placental–fetal index (PFI) and the toxic and teratogenic effect in the fetuses of mothers treated with sedalgin during pregnancy] Todorov S. **Eksp Med Morfol** 1983;22(1):39–43 (Eng. Abstr.) **(Bul)**
[What do we know about occupational sterility, abortion, and fetal abnormalities?] Kringelbach M, et al. **Ugeskr Laeger** 1983 Oct 24;145(43):3348–51 **(Dan)**
[Relations to the use of antiepileptics by the pregnant woman to the development of congenital abnormalities in her child] Meinardi H. **Ned Tijdschr Geneeskd** 1983 Oct 29; 127(44):2012–6 **(Dut)**
[Malformations in a residential community near a vinyl chloride factory] Thériault GP, et al. **Geogr Med** 1983; 13:25–34 **(Fre)**
[Effect of lithium salts on chicken embryos in comparison with other elements] Puzanová L. **Z Gesamte Hyg** 1984 Apr;30(4):212 (Eng. Abstr.) **(Ger)**
[Follow–up studies on 6–year–old children of mothers having previously undergone preventive steroid therapy] Horváth I, et al. **Orv Hetil** 1984 Jul 22;125(30):1823–6 (Eng. Abstr.) **(Hun)**
[Antineoplastic agents and pregnancy] Grella P, et al. **Minerva Med** 1984 Jun 30;75(27):1643–9 (Eng. Abstr.) **(Ita)**
[A case of incomplete amelia] Litta R, et al. **Pediatria (Napoli)** 1983 Jun–Sep;91(2–3):287–93 (Eng. Abstr.) **(Ita)**
[Safety evaluation of micronomicin VIII. Teratogenicity studies in rabbits after intravenous injection] Hara T, et al. **Jpn J Antibiot** 1983 Nov;36(11):3243–9 (Eng. Abstr.) **(Jpn)**
[Developmental eye abnormalities in mouse fetuses induced by ochratoxin A] Shirai S, et al. **Nippon Ganka Gakkai Zasshi** 1984 Mar;88(3):627–34 (Eng. Abstr.) **(Jpn)**
[Studies on the pharmacological bases of fetal toxicity of drugs. (V) Effect of different administration routes of trypan blue in rats] Ema M, et al. **Nippon Yakurigaku Zasshi** 1984 May;83(5):433–40 (Eng. Abstr.) **(Jpn)**
[Studies on the pharmacological bases of fetal toxicity of drugs. (VI) Teratogenic effects of trypan blue and related compounds in rats] Ema M, et al. **Nippon Yakurigaku Zasshi** 1984 May;83(5):459–65 (Eng. Abstr.) **(Jpn)**
[Teratogenic effect of anticonvulsants (letter)] Hajnšek F. **Jugosl Ginekol Opstet** 1983 May–Aug;23(3–4):100 **(Scr)**
[Drugs, pregnancy and breast feeding] Grizelj V. **Lijec Vjesn** 1982 Nov–Dec;104(11–12):484–7 **(Scr)**
[Harmful effects of antiepileptic agents on the offspring of epileptic parents] Hajnšek F. **Lijec Vjesn** 1983 Sep; 105(9):376–8 (Eng. Abstr.) **(Scr)**
[Pollution of the living environment with mercury as a factor affecting human reproduction] Poradovský K, et al. **Cesk Gynekol** 1983 Dec;48(10):721–5 (Eng. Abstr.) **(Slo)**
[Neonatal findings in children of drug–addicted mothers] Echevarría J, et al. **An Esp Pediatr** 1983 Dec;19(6):439–43 (Eng. Abstr.) **(Spa)**
[Embryopathy induced by oral anticoagulants] Jullian M, et al. **Rev Med Chil** 1983 Oct;111(10):1045–8 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Two chromosome aberrations in the child of a woman with systemic lupus erythematosus treated with azathioprine and prednisone. Ostrer H, et al. **Am J Med Genet** 1984 Mar; 17(3):627–32
[Teratogenic effect of thiophosphamide on mice of different genotypes] Korogodina IuV, et al. **Biull Eksp Biol Med** 1984 Mar;97(3):331–2 (Eng. Abstr.) **(Rus)**

HISTORY

Classic illustration. Figure showing the relationship between malformations of the thalidomide type and the sales of thalidomide. Eskes TK. **Eur J Obstet Gynecol Reprod Biol** 1984 Jan;16(5):365

OCCURRENCE

Congenital malformations and maternal drinking water supply in rural South Australia: a case–control study. Dorsch MM, et al. **Am J Epidemiol** 1984 Apr;119(4):473–86
Delivery outcome of women working in laboratories during pregnancy. Ericson A, et al. **Arch Environ Health** 1984 Jan–Feb;39(1):5–10
Spontaneous abortions, stillbirths, and birth defects in families of agricultural pilots. Roan CC, et al. **Arch Environ Health** 1984 Jan–Feb;39(1):56–60
Validation of questionnaire reported miscarriage, malformation and birth weight. Axelsson G, et al. **Int J Epidemiol** 1984 Mar;13(1):94–8
Vietnam veterans' risks for fathering babies with birth defects. Erickson JD, et al. **JAMA** 1984 Aug 17; 252(7):903–12
Vietnam veterans' risks for fathering babies with birth defects. **MMWR** 1984 Aug 17;33(32):457–9
Assessing occupational hazards to reproduction: uses of existing data sets. Erickson JD. **Prog Clin Biol Res** 1984; 160:99–107
Screening for occupational exposures and congenital malformations. Kurppa K, et al. **Scand J Work Environ Health** 1983 Apr;9(2 Spec No):89–93
Does Agent Orange cause birth defects? Friedman JM. **Teratology** 1984 Apr;29(2):193–221 (105 ref.)

PATHOLOGY

Teratogenic effects of cadmium acetate and sulphate upon development of the chick embryo. Schowing J. **Acta Morphol Hung** 1984;32(1):37–46
Malformations in nonlimb structures induced by acetazolamide and other inhibitors of carbonic anhydrase. Scott WJ Jr, et al. **Ann NY Acad Sci** 1984;429:447–56
Embryotoxicity of 5–azacytidine in mice. Phase– and dose–specificity studies. Schmahl W, et al. **Arch Toxicol** 1984 Jul;55(2):143–7
Embryotoxic effects of eight organic peroxides and hydrogen peroxide on three–day chicken embryos. Korhonen A, et al. **Environ Res** 1984 Feb;33(1):54–61
A hypothetic mechanism of diethylstilbestrol(DES)–induced anomalies in exposed progeny. Robboy SJ. **Hum Pathol** 1983 Oct;14(10):831–3
Relationship between insecticide–induced short and wry neck and cervical defects visible histologically shortly after treatment of chick embryos. Wyttenbach CR, et al. **J Exp Zool** 1984 Mar;229(3):437–46
Amelioration of embryotoxicity by structural modification of the terminal group of cancer chemopreventive retinoids. Willhite CC, et al. **JNCI** 1984 Mar;72(3):689–95
Evidence for repair in trypan blue–treated mouse egg cylinders: an electron microscopic study. Hamburgh M, et al. **Teratology** 1984 Jun;29(3):393–403
Ultrastructure of trypan blue–induced ocular defects II. Cornea and mesenchyme. Schmidt KL, et al. **Teratology** 1984 Feb;29(1):105–16
Ultrastructure of trypan blue induced ocular defects: I. Retina and lens. Schmidt KL, et al. **Teratology** 1983 Aug; 28(1):131–44
[Chemically induced ectropodia in the Lacerta viridis embryo and formation of styliform limbs in reptiles] Raynaud A, et al. **C R Seances Acad Sci [III]** 1984;298(16):457–60 (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Potentiating effects of caffeine on teratogenicity of alkylating agents in mice. Fujii T, et al. **Teratology** 1983 Aug; 28(1):29–33
Phencyclidine exposure and the developing mouse: behavioral teratological implications. Nicholas JM, et al. **Teratology** 1983 Dec;28(3):319–26
Effect of phenytoin on maternal heart rate in A/J mice: possible role in teratogenesis. Watkinson WP, et al. **Teratology** 1983 Aug;28(1):1–8
The pathogenesis of retinoic acid–induced vertebral abnormalities in golden Syrian hamster fetuses. Wiley MJ. **Teratology** 1983 Dec;28(3):341–53
[Gynecological and endocrinological studies of thalidomide–damaged girls] Mühlenstedt D, et al. **Geburtshilfe Frauenheilkd** 1984 Apr;44(4):243–8 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Preventing chemical damage to germ cells. Huang XS. **Am Ind Hyg Assoc J** 1983 Oct;44(10):699–703
Cancer chemotherapy and contraceptive counseling. Parrish RH 2d. **Drug Intell Clin Pharm** 1984 Jan;18(1):71–2
Chemicals which cause birth defects—teratogens: a special concern of research chemists. Meyers VK. **Sci Total Environ** 1983 Dec 15;32(1):1–12
The role of surveillance in monitoring reproductive health. Rosenberg MJ, et al. **Teratogenesis Carcinog Mutagen** 1984; 4(1):15–24
Mevalonate supplementation in pregnant rats suppresses the teratogenicity of mevinolinic acid, an inhibitor of 3–hydroxy–3–methylglutaryl–coenzyme a reductase. Minsker DH, et al. **Teratology** 1983 Dec;28(3):449–56

RADIOGRAPHY

Upper reproductive tract radiographic findings in DES–exposed female offspring. Nunley WC Jr, et al. **AJR** 1984 Feb;142(2):337–9
Radiological case of the month. Fetal hydantoin syndrome. Kogutt MS, et al. **Am J Dis Child** 1984 Apr;138(4):405–6
Radiologic diagnosis of diethylstilbestrol induced teratogenesis in rats. Baggs RB, et al. **Lab Anim Sci** 1983 Oct;33(5):451–3

VETERINARY

Teratogenicity of methylparathion 18 WP and Wofatox 50 EC in Japanese quail and pheasant embryos, with particular reference to osteal and muscular systems. Várnagy L, et al. **Acta Vet Acad Sci Hung** 1982;30(1–3):135–46
Corticosteroid teratogenicity. Rowland JM, et al. **Adv Vet Sci Comp Med** 1983;27:99–128 (191 ref.)
Time course study of occurrence of anomalies in medaka's centrum by cadmium or fenitrothion emulsion. Hiraoka Y, et al. **Bull Environ Contam Toxicol** 1984 Jun;32(6):693–7
Teratogenicity and toxicity of wild tree tobacco, Nicotiana glauca in sheep. Keeler RF, et al. **Cornell Vet** 1984 Jan; 74(1):50–9
Use of the New Zealand white rabbit in teratology: incidence of spontaneous and drug–induced malformations. Stadler J, et al. **Food Chem Toxicol** 1983 Oct;21(5):631–6
Teratogens in plants. Keeler RF. **J Anim Sci** 1984 Apr; 58(4):1029–39 (59 ref.)
The critical period of pyrimethamine teratogenesis in the rat. Izumi H, et al. **Nippon Juigaku Zasshi** 1984 Apr;46(2):217–8
Some aspects of the teratogenicity of veterinary drugs. Delatour P. **Vet Res Commun** 1983 Dec;7(1–4):125–31
Teratological examination of the insecticide methylparathion (Wofatox 50 EC) on pheasant embryos. I. Morphological study. Várnagy L, et al. **Vet Res Commun** 1984 May; 8(2):131–9

ABNORMALITIES, MULTIPLE

An additional contribution to the syndromes with dental agenesis. Pallotta R, et al. **Acta Stomatol Belg** 1983; 80(3):215–8
Picture of the month: CHARGE association. Primack W, et al. **Am J Dis Child** 1983 Nov;137(11):1117–8
Kallman's syndrome with associated cardiovascular and intracranial anomalies. Moorman JR, et al. **Am J Med** 1984 Aug;77(2):369–72
Mitral valve prolapse and aortic dilatation in the fragile X syndrome. Hagerman RJ, et al. **Am J Med Genet** 1984 Jan; 17(1):123–31
The lethal multiple pterygium syndromes [editorial] Hall JG. **Am J Med Genet** 1984 Apr;17(4):803–7
Acrofacial dysostosis with severe facial clefting and limb reduction. Kawira EL, et al. **Am J Med Genet** 1984 Mar; 17(3):641–7
Anatomical analysis of the developmental effects of aneuploidy in man—the 18–trisomy syndrome: II. Anomalies of the upper and lower limbs. Ramirez–Castro JL, et al. **Am J Med Genet** 1978;2(3):285–306
New syndrome: renal dysplasia, mesomelia, and radiohumeral fusion. Ulbright CE, et al. **Am J Med Genet** 1984 Mar; 17(3):667–8
Additional case report of new neuroectodermal syndrome [letter] Zunich J, et al. **Am J Med Genet** 1984 Mar; 17(3):707–10
Cardiovascular anomalies with imperforate anus. Teixeira OH, et al. **Arch Dis Child** 1983 Sep;58(9):747–9
Optic nerve hypoplasia in children. Association with anomalies of the endocrine and CNS. Skarf B, et al. **Arch Ophthalmol** 1984 Jan;102(1):62–7
Dysplastic optic discs in association with transsphenoidal encephalocele and hypopituitary dwarfism: a case report. Tuft SJ, et al. **Aust J Ophthalmol** 1983 Nov;11(4):309–13
Aortic atresia with double inlet left ventricle, rudimentary left sided right ventricle, and ventriculoarterial discordance. Bullaboy CA, et al. **Br Heart J** 1984 Sep; 52(3):349–51
Blepharochalasis with multiple system involvement. Ghose S, et al. **Br J Ophthalmol** 1984 Aug;68(8):529–32
Median cleft lip, polydactyly, syndactyly and toe anomalies in a non–Indian infant. Christophorou MN, et al. **Br J Plast Surg** 1983 Oct;36(4):447–8
Mohr–Claussen syndrome [letter] Küster W, et al. **Br J Plast Surg** 1984 Jul;37(3):428
Moulded baby syndrome and unilateral 'tight' hips. Good C, et al. **Br Med J [Clin Res]** 1983 Dec 3;287(6406):1675–6
Silver–Russell syndrome with absence of digits and syndactylism of the fingers. Keppen LD, et al. **Clin Genet** 1983 Dec;24(6):453–5
Valproic acid and congenital malformations. A case report. Bantz EW. **Clin Pediatr (Phila)** 1984 Jun;23(6):352–3
Cardiovascular malformations associated with extracardiac anomalies and malformation syndromes. Patterns for diagnosis. Greenwood RD. **Clin Pediatr (Phila)** 1984 Mar; 23(3):145–51
Duodenal diaphragm with midgut nonrotation in an adult. A case study. Matino JJ, et al. **Conn Med** 1984 Jun; 48(6):352–4
A new variant of the acrorenal syndrome associated with bilateral oligomeganephronic hypoplasia. Miltényi M, et al. **Eur J Pediatr** 1984 Apr;142(1):40–3
'Baby Jane Doe' [letter] Cohen S. **Hosp Pract** 1983 Dec; 18(12):16
Esophageal atresia, coloboma, and clubfoot in two unrelated infants. Méhes K. **Hum Genet** 1984;67(3):354
Antral and multiple colonic atresia. Bhargava RK, et al. **Indian Pediatr** 1983 Apr;20(4):305–7
Poly–syndactyly of hands and feet with talipes equino–varus. An unusual combination. Gadegone WM, et al. **J Hand Surg [Br]** 1984 Jun;9(2):149–50

Fatal congenital varicella syndrome. Essex-Cater A, et al. **J Infect** 1983 Jul;7(1):77–8

Ethics and the severely malformed infant: report on a multidisciplinary workshop. Clayden G, et al. **J Med Ethics** 1984 Jun;10(2):71–2

Poland–Möbius syndrome associated with dextrocardia. Bosch–Banyeras JM, et al. **J Med Genet** 1984 Feb; 21(1):70–1

Baby Doe and the prognosis committee [editorial] Katcher AL. **J Med Soc NJ** 1984 Feb;81(2):106

Aicardi syndrome, papilloma of the choroid plexus, cleft lip, and cleft of the posterior palate. Robinow M, et al. **J Pediatr** 1984 Mar;104(3):404–5

Antley–Bixler syndrome [letter] Walbaum R. **J Pediatr** 1984 May;104(5):799

Esophageal atresia with pulmonary agenesis. Brereton RJ, et al. **J Pediatr Surg** 1983 Oct;18(5):618–20

Camptomelic dwarfism syndrome (a case report). Bharucha BA, et al. **J Postgrad Med** 1983 Oct;29(4):268–70

Ileal atresia with small bowel volvulus in a neonate (a case report). Yadav K, et al. **J Postgrad Med** 1983 Apr; 29(2):110B, 111–2

Goltz syndrome: focal dermal hypoplasia. Krishnan D, et al. **J Singapore Paediatr Soc** 1983;25(1–2):81–5

Urogenital tract abnormalities associated with congenital anorectal anomalies. Hoekstra WJ, et al. **J Urol** 1983 Nov; 130(5):962–3

Female phallic urethra and persistent cloaca. Sotolongo JR Jr, et al. **J Urol** 1983 Dec;130(6):1186–7

The right to live and the right to die. Cohen D. **Med J Aust** 1984 Jan 21;140(2):59–61

Wolf–Hirschhorn (4p–) syndrome [letter] Ellis S. **Med J Aust** 1984 Feb 4;140(3):184

The leopard (multiple lentigines) syndrome: a case report. Ting HC, et al. **Med J Malaysia** 1983 Jun;38(2):98–101

Harlequin fetus in twins. Abramson A, et al. **Mt Sinai J Med (NY)** 1984 Jun;51(3):290–1

The Baby Doe rules [letter] **N Engl J Med** 1983 Dec 15; 309(24):1517–8

The American Academy of Pediatrics and the Baby Doe rules [letter] Heffernan BT. **N Engl J Med** 1984 Jan 5; 310(1):51

Congenital horizontal gaze paralysis and ear dysplasia in a boy with Duane's retraction syndrome and seventh nerve palsy. Saraux H, et al. **Ophthalmologica** 1984;188(4):208–11

The Currarino triad: complex of anorectal malformation, sacral bony abnormality, and presacral mass. Kirks DR, et al. **Pediatr Radiol** 1984;14(4):220–5

Megacystis–microcolon–intestinal hypoperistalsis syndrome in a newborn girl whose brother had prune belly syndrome: common pathogenesis? Oliveira G, et al. **Pediatr Radiol** 1983;13(5):294–6

Agenesis of the right lung associated with hypoplasia of the fourth right rib. A case report. Gaziel Y, et al. **S Afr Med J** 1983 Nov 19;64(22):871–2

Federal court strikes down Baby Doe rules [news] Holden C. **Science** 1984 Jun 8;224(4653):1078–9

Government intercedes in 'Baby Jane Doe' [news] Holden C. **Science** 1983 Nov 25;222(4626):908

Structural defects as consequence of late intrauterine constraint: craniotabes, loose skin, and asymmetric ear size. Aase JM. **Semin Perinatol** 1983 Oct;7(4):270–3

Gastroschisis: abdominal wall disruption secondary to early gestational interruption of the omphalomesenteric artery. Hoyme HE, et al. **Semin Perinatol** 1983 Oct;7(4):294–8

Double lumen dissecting aneurysms of the internal carotid artery in fibromuscular dysplasia: case report. Garcia–Merino JA, et al. **Stroke** 1983 Sep–Oct;14(5):815–8

Neck web and congenital heart defects: a pathogenic association in 45 X–O Turner syndrome? Clark EB. **Teratology** 1984 Jun;29(3):355–61

Potter's syndrome: bilateral renal agenesis (a report of two cases emphasizing associated malformations). Tinaztepe K, et al. **Turk J Pediatr** 1983 Jul–Sep;25(3):179–87

Dorsal herniation of the gut with posterior opening of the terminal colon: a rare manifestation of the split notochord syndrome. Kheradpir MH, et al. **Z Kinderchir** 1983 Jun; 38(3):186–7

[Compression of the extrarenal blood vessels in kidney dystopia] Peneva S, et al. **Khirurgiia (Sofiia)** 1983;36(1):77–8 **(Bul)**

[2 cases of hydrocolpos caused by vaginal atresia associated with polydactyly] Caillé G, et al. **Ann Radiol (Paris)** 1983 Sep–Oct;26(6):477–82 (Eng. Abstr.) **(Fre)**

[Partial trisomy 9 (p 12→q ter), 'de novo' in mosaic] Ioan D, et al. **Endocrinologie** 1984 Apr–Jun;22(2):141–6 **(Fre)**

[Coffin–Siris syndrome. Critical study of the literature apropos of a case] Foasso MF, et al. **Pediatrie** 1983 Mar; 38(2):111–7 (Eng. Abstr.) **(Fre)**

[A case of ureteral triplication associated with renal dysmorphy, bilateral reflux, ureterocele and Ask–Upmark kidney] Wilhelm E. **Urologe [Ausg A]** 1983 Sep;22(5):267–9 (Eng. Abstr.) **(Ger)**

[Oligomeganephronia] Detre Z, et al. **Morphol Igazsagugyi Orv Sz** 1984 Jan;24(1):53–9 (Eng. Abstr.) **(Hun)**

[The fetal alcohol syndrome. Description of 2 cases] Baldassar Ferrero AM, et al. **Ann Osp Maria Vittoria Torino** 1982 Jul–Dec; 25(7–12):215–25 (Eng. Abstr.) **(Ita)**

[A case of fronto–nasal dysplasia associated with hemidiaphragmatic aplasia] Di Pietro P, et al. **Minerva Pediatr** 1984 Feb 15;36(3):121–5 (Eng. Abstr.) **(Ita)**

[The Williams and Beuren syndrome: aspects of the elfin facies] Bezzi TM, et al. **Pediatria (Napoli)** 1983 Jun–Sep; 91(2–3):281–6 (Eng. Abstr.) **(Ita)**

[Congenital posterior urethral valve associated with paraureteral diverticulum and dysplastic kidney. A case report] Harada T, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Apr;74(4):655–61 (Eng. Abstr.) **(Jpn)**

[Surgical treatment of prune belly syndrome with funnel chest] Yamaguchi A, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Apr; 21(4):378–81 (Eng. Abstr.) **(Jpn)**

[Mitral atresia associated with transposition of great arteries, with well developed left ventricle. Clinical and angiographic analysis and results of atrial septostomy] Atik E, et al. **Arq Bras Cardiol** 1983 Sep;41(3):207–10 (Eng. Abstr.) **(Por)**

[Cardiac malformations and genetic syndromes] Cardoso CR. **Arq Bras Cardiol** 1983 Sep;41(3):167–70 (Eng. Abstr.) **(Por)**

[Rare association of myelofibrosis and portal hypertension with multiple developmental defects] Zolotnitskaia RP, et al. **Klin Med (Mosk)** 1983 Aug;61(8):125–6 **(Rus)**

[Associated developmental anomalies of the spine and kidneys] Martsiv OD, et al. **Urol Nefrol (Mosk)** 1984 Mar–Apr;(2):40–1 (Eng. Abstr.) **(Rus)**

[Harlequin fetus with kidney abnormalities] Correa R, et al. **An Esp Pediatr** 1983 Dec;19(6):522–3 **(Spa)**

[Oto–cranio–facial syndromes with asymmetrical involvement of the face] García–Cubillana de la Cruz JM, et al. **An Esp Pediatr** 1983 Oct;19(4):328–34 (Eng. Abstr.) **(Spa)**

[Acute pancreatitis (a Coxsackie B2?) and associated anomalies] Pérez Alvarez F, et al. **An Esp Pediatr** 1983 Jun;18(6):493–97 (Eng. Abstr.) **(Spa)**

[Prune–belly syndrome in a female] Sierra Sirvent JF, et al. **An Esp Pediatr** 1984 Feb 15;20(2):135–9 (Eng. Abstr.) **(Spa)**

[Unilateral Moebius syndrome associated with hypoplasia of the contralateral depressor anguli oris muscle] Campistol J, et al. **Arch Neurobiol (Madr)** 1983 Jul–Aug;46(4):265–71 (Eng. Abstr.) **(Spa)**

[Mayer–Rokitansky–Küster–Hausser syndrome and associated malformations] Muñoz M, et al. **Ginecol Obstet Mex** 1982 Oct;50(306):283–7 (Eng. Abstr.) **(Spa)**

[Femoral hypoplasia and unusual facies. A syndrome of variable expressivity] Selman E, et al. **Rev Chil Pediatr** 1984 Mar–Apr;55(2):100–3 (Eng. Abstr.) **(Spa)**

BLOOD

Effects of polyunsaturated fatty acid diets on plasma lipids of patients with adrenomultineuronal degeneration, hepatosplenomegaly and fatty acid derangement. Yao JK, et al. **J Neurol Sci** 1983 Dec;62(1–3):67–75

CHEMICALLY INDUCED

Radiological case of the month. Fetal hydantoin syndrome. Kogutt MS, et al. **Am J Dis Child** 1984 Apr;138(4):405–6

Comparative study on the teratogenicity of some antiepileptics in the rat. El–Sayed MG, et al. **East Afr Med J** 1983 Jun;60(6):407–15

Severe mental retardation and multiple congenital anomalies of uncertain cause after extreme parental exposure to 2,4–D. Casey PH, et al. **J Pediatr** 1984 Feb;104(2):313–5

Isotretinoin dysmorphic syndrome [letter] Braun JT, et al. **Lancet** 1984 Mar 3;1(8375):506–7

[Steroid therapy of the mother, dextrocardia and developmental anomalies in the offspring] Somodi Z. **Orv Hetil** 1983 Nov 27;124(48):2935–6 (Eng. Abstr.) **(Hun)**

[Embryopathy induced by oral anticoagulants] Jullian M, et al. **Rev Med Chil** 1983 Oct;111(10):1045–8 (Eng. Abstr.) **(Spa)**

CLASSIFICATION

Neu–Laxova syndrome: two further case reports and comments on proposed subclassification [letter] Mueller RF, et al. **Am J Med Genet** 1983 Dec;16(4):645–9

COMPLICATIONS

Goldenhar–Gorlin syndrome. A case with congenital trigeminal neuropathy. Nappi G, et al. **Acta Neurol (Napoli)** 1983 Oct;5(5):368–72

Malformed female genitalia in newborns with the VATER association. Sofatzis JA, et al. **Acta Paediatr Scand** 1983 Nov;72(6):923–4

Waardenburg's syndrome associated with total aganglionosis. Farndon PA, et al. **Arch Dis Child** 1983 Nov;58(11):932–3

The Mohr syndrome: are there two variants? Haumont D, et al. **Clin Genet** 1983 Jul;24(1):41–6 (16 ref.)

Sirenomelia with multiple congenital anomalies. Chaudhury N, et al. **Indian Pediatr** 1984 Feb;21(2):173–4

Multiple non–ossifying fibromata with extraskeletal anomalies: a new syndrome? Campanacci M, et al. **J Bone Joint Surg [Br]** 1983 Nov;65(5):627–32

Bilateral carpal tunnel in childhood associated with Schwartz–Jampel syndrome. Cruz Martínez A, et al. **Muscle Nerve** 1984 Jan;7(1):66–72

Atrioventricular block in situs ambiguus and left isomerism (polysplenia syndrome). Roguin N, et al. **PACE** 1984 Jan; 7(1):18–22

Herpes simplex virus and congenital malformations. Karesh JW, et al. **South Med J** 1983 Dec;76(12):1561–3

[Partial monosomy of the short arm of chromosome 10, associated with Rieger's syndrome and a Di George type partial immunodeficiency] Hervé J, et al. **Ann Pediatr (Paris)** 1984 Jan;31(1):77–80 (Eng. Abstr.) **(Fre)**

[Ocular symptoms in the Mohr–Claussen orofaciodigital syndrome type II] Mayer UM, et al. **Bull Mem Soc Fr Ophtalmol** 1983;95:520–4 **(Fre)**

[Malformations and anomalies associated with labiomaxillopalatal clefts] Couly G. **Chir Pediatr** 1983; 24(4–5):231–3 **(Fre)**

[Neonatal enterolithiasis (or intraluminal meconial calcifications). Apropos of 4 cases] Dodat H, et al. **Chir Pediatr** 1983;24(3):183–5 (Eng. Abstr.) **(Fre)**

[Hemiplegia during carbon monoxide poisoning revealing multiple cerebral artery abnormalities including the hypoglossal artery] Goulon M, et al. **Rev Neurol (Paris)** 1984;140(5):353–7 (Eng. Abstr.) **(Fre)**

[Diastrophic dysplasia. Description of a case in early infancy] Naselli A, et al. **Minerva Pediatr** 1983 Sep 30;35(18):891–7 (Eng. Abstr.) **(Ita)**

[Rubinstein–Taybi syndrome. Clinical case presenting a rare association with uropathic malformation] Giannotti P, et al. **Minerva Urol** 1983 Apr–Jun;35(2):175–8 (Eng. Abstr.) **(Ita)**

[Features of the manifestations of bronchopulmonary pathology and hepatitis B in children with hypogammaglobulinemia] Tsinzerling AV, et al. **Arkh Patol** 1984;46(3):65–70 (Eng. Abstr.) **(Rus)**

[Bilateral isolated aneurysms of the iliac arteries associated with reno–uretero–vesical malformations and with retroperitoneal fibrosis] Raso AM, et al. **Angiologia** 1984 Jan–Feb;36(1):19–24 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

The CHILD–syndrome—congenital hemidysplasia with ichthyosiform erythroderma and limb defects. A case report. Christiansen JV, et al. **Acta Derm Venereol (Stockh)** 1984;64(2):165–8

Caroli's disease associated with hepatic fibrosis, policystic renal disease, epiphysiolysis of the hip and growth retardation. Zornoza G, et al. **Acta Gastroenterol Belg** 1983 Jan–Feb;46(1–2):21–6

De novo terminal deletion del(3) (p25 leads to pter). Zergollern L, et al. **Acta Med Iugosl** 1983;37(3):263–8

First–trimester diagnosis of cystic nuchal hygroma [letter] Gustavii B, et al. **Acta Obstet Gynecol Scand** 1984; 63(4):377–8

Prenatal diagnosis of Potter's syndrome by ultrasound. Helin I, et al. **Acta Paediatr Scand** 1983 Nov;72(6):939–41

Prenatal diagnosis of semilobar holoprosencephaly. Cayea PD, et al. **AJR** 1984 Feb;142(2):401–2

Transdiaphragmatic extension of disease through congenital defects of the diaphragm. Neuffer FH, et al. **Ala J Med Sci** 1983 Oct;20(4):431–3

Intrauterine positional deformations masquerading as multiple congenital malformations. Setzer ES, et al. **Am J Dis Child** 1984 Jul;138(7):642–4

Forearm fullness in Coffin–Lowry syndrome: a misleading yet possible early diagnostic clue. Hersh JH, et al. **Am J Med Genet** 1984 Jun;18(2):195–9

The Weissenbacher–Zweymüller, Stickler, and Marshall syndromes: further evidence for their identity. Winter RM, et al. **Am J Med Genet** 1983 Oct;16(2):189–99

Laryngotracheo–oesophageal cleft. A report of three cases. Armitage EN. **Anaesthesia** 1984 Jul;39(7):706–13

Malformation syndromes—a diagnostic approach [editorial] Winter RM, et al. **Arch Dis Child** 1984 Apr;59(4):294–5

Neural defects in Say–Gerald (VATER) syndrome. Aleksic S, et al. **Childs Brain** 1984;11(4):255–60

Orbital cyst in addition to congenital cerebral and focal dermal malformations: a new entity. Delleman JW, et al. **Clin Genet** 1984 May;25(5):470–2

Mohr syndrome variant or Joubert–Boltshauser syndrome? [letter] Egger J, et al. **Clin Genet** 1984 Jan;25(1):86–7

Ocular, cerebral and cutaneous malformations: confirmation of an association. Ferguson JW, et al. **Clin Genet** 1984 May; 25(5):464–9

Duplication or insertion in 15q11–13 associated with mental retardation–short stature and obesity–Prader–Willi or Cohen syndrome? Fuhrmann–Rieger A, et al. **Clin Genet** 1984 Apr;25(4):347–52

Association of the Klippel–Feil sequence with frontonasal dysplasia sequence [letter] Ishikiriyama S, et al. **Clin Genet** 1983 Oct;24(4):280

Manifestations and natural history of idiopathic hemihypertrophy: a review of eleven cases. Viljoen D, et al. **Clin Genet** 1984 Aug;26(2):81–6

Multiple congenital anomalies in a patient with Diamond–Blackfan syndrome. Lazarus KH, et al. **Clin Pediatr (Phila)** 1984 Sep;23(9):520–1

Thanatophoric dwarfism: a report of two infants. Sehgal D, et al. **East Afr Med J** 1983 Oct;60(10):713–7

The double uterus associated with an obstructed hemivagina and ipsilateral renal agenesis. Beekhuis JR, et al. **Eur J Obstet Gynecol Reprod Biol** 1983 Sep;16(1):47–52

Dysplastic features, growth retardation, malrotation of the gut, and fatal ventricular septal defect in a 4-month-old girl with ring chromosome 15. Otto J, et al. **Eur J Pediatr** 1984 Aug;142(3):229–31

Speech, language and communication disorders of the multiply handicapped. Schiefelbusch RL. **Folia Phoniatr (Basel)** 1984;36(1):8–23

Are bowing of long tubular bones and preaxial polydactyly signs of the Meckel syndrome? Majewski F, et al. **Hum Genet** 1983;65(2):125–33

Hypothyroidism with multiple congenital anomalies. Puliyel JM, et al. **Indian Pediatr** 1983 Nov;20(11):865–7

Congenital pleural effusion with multiple associated anomalies. Manning D, et al. **Ir Med J** 1983 Dec; 76(12):497–8

Focal dermal hypoplasia syndrome. Case report and literature review. Hall EH, et al. **J Am Acad Dermatol** 1983 Sep; 9(3):443–51

Syndrome of polydactyly, cleft lip, lingual hamartomas, renal hypoplasia, hearing loss, and psychomotor retardation: variant of the Mohr syndrome or a new syndrome? Mattei JF, et al. **J Med Genet** 1983 Dec;20(6):433–5

A computerised data base for the diagnosis of rare dysmorphic syndromes. Winter RM, et al. **J Med Genet** 1984 Apr;21(2):121–3

Prospects for the prenatal diagnosis and obstetric management of cloacal exstrophy. A report of two cases. Haygood VP, et al. **J Reprod Med** 1983 Nov;28(11):807–10

Ultrasonic findings in fetal cyclopia. A case report. Lev-Gur M, et al. **J Reprod Med** 1983 Aug;28(8):554–7

Sonography of combined esophageal and duodenal atresia. Jackson GH, et al. **J Ultrasound Med** 1983 Oct;2(10):473–4

Ultrasonography of intrauterine Meckel's syndrome. Pardes JG, et al. **J Ultrasound Med** 1984 Jan;3(1):33–5

Hydrometrocolpos: current views on pathogenesis and management. Hahn-Pedersen J, et al. **J Urol** 1984 Sep; 132(3):537–40

Early second trimester sonographic diagnosis of achondrogenesis. Graham D, et al. **JCU** 1983 Aug; 11(6):336–8

The cerebrohepatorenal (Zellweger) syndrome. Increased levels and impaired degradation of very-long-chain fatty acids and their use in prenatal diagnosis. Moser AE, et al. **N Engl J Med** 1984 May 3;310(18):1141–6

The obstetric significance of holoprosencephaly. Chervenak FA, et al. **Obstet Gynecol** 1984 Jan;63(1):115–21

Adrenal hypofunction and trisomy 18. Turner M, et al. **Obstet Gynecol** 1984 Mar;63(3 Suppl):84S–85S

Waardenburg syndrome with associated multiple anomalies. Zelig S, et al. **ORL J Otorhinolaryngol Relat Spec** 1984; 46(1):34–7

Tetralogy of Fallot associated with total anomalous pulmonary venous drainage. Gutiérrez J, et al. **Pediatr Cardiol** 1983 Oct-Dec;4(4):293–5

Early prenatal detection of diastrophic dysplasia. Kaitila I, et al. **Prenat Diagn** 1983 Jul;3(3):237–44

Multiple abnormalities in a preterm infant with growth retardation [clinical conference] Cowett RM, et al. **RI Med J** 1984 May;67(5):233–7

Tracheal agenesis: a case report and literature review. Reilly JS, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1984 Spring;37(1):55–9

Crystalloid structures in muscle biopsies. **Ultrastruct Pathol** 1984;6(1):105–8

Evaluation and management of children with sacral agenesis. Guzman L, et al. **Urology** 1983 Nov;22(5):506–10

Embryologic and diagnostic aspects of associated malformation of upper urinary and genital tracts. Röhrborn C, et al. **Urology** 1983 Dec;22(6):588–93

[Ultrasonic diagnosis in suspected cases of fetal malformation] Mateeva E, et al. **Akush Ginekol (Sofiia)** 1984;23(2):126–9 (Eng. Abstr.) **(Bul)**

[Association of 2 congenital diseases—cervical rib and aberrant pancreas simulating cancer of the stomach with Virchow's metastasis] Ginev B, et al. **Khirurgiia (Sofiia)** 1984;37(1):36–9 **(Bul)**

[Cerebral gigantism—Sotos' syndrome] Kofer J, et al. **Cesk Pediatr** 1983 Oct;38(10):615–7 (Eng. Abstr.) **(Cze)**

[Uterus didelphys with unilateral hematocolpos, hematometra, hematosalpinx, ipsilateral renal agenesis and contralateral hydroureter and hydronephrosis] Gasser F, et al. **Ugeskr Laeger** 1983 Oct 17;145(42):3263–4 (Eng. Abstr.) **(Dan)**

[Right-sided diaphragmatic hernia combined with malformations of the intestinal tract and the liver] Sidenius K, et al. **Ugeskr Laeger** 1983 Sep 12;145(37):2852–3 (Eng. Abstr.) **(Dan)**

[The CHARGE association; a combination of congenital abnormalities] Hennekam RC, et al. **Ned Tijdschr Geneeskd** 1984 Jun 2;128(22):1050–3 (Eng. Abstr.) **(Dut)**

[Congenital cutaneous aplasia] Prigent F. **Ann Dermatol Venereol** 1983;110(11):933–9 (68 ref.) **(Fre)**

[Weill-Marchesani syndrome. Apropos of a case] Bebe M. **Ann Pediatr (Paris)** 1983 Nov;30(9):673–7 (Eng. Abstr.) **(Fre)**

[Clinical study of a case of micromelic dwarfism with congenital bowing of the bones and facial dysmorphism] Brackman B, et al. **Ann Pediatr (Paris)** 1983 Nov; 30(9):705–7 (Eng. Abstr.) **(Fre)**

[A new case of mucopolysaccharidosis type VII with major skeletal abnormalities] Capdeville R, et al. **Ann Pediatr (Paris)** 1983 Nov;30(9):689–92 (Eng. Abstr.) **(Fre)**

[A complex malformation syndrome with brachymesomelia] Le Marec B, et al. **Ann Pediatr (Paris)** 1983 Nov; 30(9):721–4 (Eng. Abstr.) **(Fre)**

[Lethal mandibulofacial and ulnofibular dysostosis] Poissonnier M, et al. **Ann Pediatr (Paris)** 1983 Nov; 30(9):713–7 (Eng. Abstr.) **(Fre)**

[Dwarfism with high and narrow vertebrae. 2 new cases] Rochiccioli P, et al. **Ann Pediatr (Paris)** 1983 Nov; 30(9):709–12 (Eng. Abstr.) **(Fre)**

[Heterogeneity of Seckel syndrome? Apropos of a case] Toudic L, et al. **Ann Pediatr (Paris)** 1983 Nov;30(9):700–4 (Eng. Abstr.) **(Fre)**

[2 new cases of Aicardi's syndrome] Talmud M, et al. **Bull Soc Ophtalmol Fr** 1983 Aug-Sep;83(8–9):983–6 (Eng. Abstr.) **(Fre)**

[Kaufmann syndrome or VACTERL association? Discussion of a differential diagnosis] Dodinval P, et al. **J Genet Hum** 1984 Jun;32(2):129–36 (Eng. Abstr.) **(Fre)**

[Diagnostic examination and genetic counseling in cases of choanal atresia with multiple malformations (the CHARGE combination)] Rabaeus M, et al. **J Genet Hum** 1983 Mar; 31(1):67–72 **(Fre)**

[Thrombopenia associated with bone and cardiac malformations: an equivalent of the radial aplasia-thrombopenia syndrome] Delacour JL, et al. **Rev Med Interne** 1983 Dec;4(4):363–4 **(Fre)**

[Rothmund-Thompson syndrome with glaucoma. Endocrine study] Nathanson M, et al. **Sem Hop Paris** 1983 Dec 22; 59(48):3379–84 (Eng. Abstr.) **(Fre)**

[Intrauterine diagnosis of holoprosencephaly] Bonilla-Musoles F, et al. **Ultraschall Med** 1984 Feb; 5(1):24–8 (Eng. Abstr.) **(Ger)**

[Lissencephaly syndrome] Bitran H, et al. **Harefuah** 1983 Sep; 105(5–6):115–7 (Eng. Abstr.) **(Heb)**

[Leopard syndrome] Garty B, et al. **Harefuah** 1983 Jul; 105(1–2):18–20 (Eng. Abstr.) **(Heb)**

[Congenital tracheal stenosis] Grünebaum M, et al. **Harefuah** 1983 Dec 15;105(12):397–400 (Eng. Abstr.) **(Heb)**

[Silver Russell syndrome] Kleinhaus M, et al. **Harefuah** 1983 Nov 15;105(10):297–302 (Eng. Abstr.) **(Heb)**

[K.G.B. syndrome: review of the literature and presentation of a case] Novembri A, et al. **Arch Putti Chir Organi Mov** 1983;33:423–30 (Eng. Abstr.) **(Ita)**

[A case of Rubinstein-Taybi syndrome] Lysiak M. **Neurol Neurochir Pol** 1983 Jul-Aug;17(4):511–4 (Eng. Abstr.) **(Pol)**

[Male hermaphroditism syndrome in a newborn infant with multiple abnormalities] Godula-Stuglik U, et al. **Pediatr Pol** 1983 Dec;58(12):971–4 **(Pol)**

[Grob's syndrome in a 15-month-old girl] Kopyść Z, et al. **Pediatr Pol** 1983 Jul;58(7):659–62 **(Pol)**

[Klippel-Feil syndrome associated with renal agenesia and heart defect in an 11-year-old girl] Krawczyński M, et al. **Wiad Lek** 1983 Sep 15;36(18):1527–31 (Eng. Abstr.) **(Pol)**

[Absence of the inferior vena cava in a patient with patent ductus arteriosus and partial abdominal heterotaxia] Ivanov AM, et al. **Pediatriia** 1983 Jun;(6):67–8 **(Rus)**

[Trisomy 20p] Zergollern L, et al. **Acta Med Iugosl** 1984; 38(1):69–75 (Eng. Abstr.) **(Scr)**

[Facial asymmetry when crying. Apropos of 9 cases] Arroyos Plana A, et al. **An Esp Pediatr** 1983 Jul;19(1):24–8 (Eng. Abstr.) **(Spa)**

EMBRYOLOGY

The pathogenesis of hereditary congenital malformations of the anorectum in the pig. Van der Putte SC, et al. **Acta Morphol Neerl Scand** 1984 Mar;22(1):17–40

The persisting mesonephric duct syndrome: the description of a new syndrome. Vordermark JS 2d. **J Urol** 1983 Nov; 130(5):958–61

Hypomastia and mitral-valve prolapse. Evidence of a linked embryologic and mesenchymal dysplasia. Rosenberg CA, et al. **N Engl J Med** 1983 Nov 17;309(20):1230–2

Agenesis of the penis, scrotal raphe, and anus in one of monoamniotic twins. Berry SA, et al. **Teratology** 1984 Apr; 29(2):173–6

[Intrauterine ultrasonic diagnosis of monochorionic diamniotic twin pregnancy with an acardiac anencephalic fetus] Lutterodt MA, et al. **Ugeskr Laeger** 1984 Mar 5; 146(10):733–4 (Eng. Abstr.) **(Dan)**

ETIOLOGY

Pressure malformations from a chronic leakage of amniotic fluid: possible iatrogenic origin of extramembranous pregnancy and the extrachorial placenta. Davies BR, et al. **Am J Obstet Gynecol** 1983 Dec 1;147(7):838–9

Fetal malformations associated with maternal hypoxia. Goodlin RC, et al. **Am J Obstet Gynecol** 1984 May 15; 149(2):228–9

Oromandibular limb hypogenesis/Hanhart's syndrome: possible drug influence on the malformation. Bökesoy I, et al. **Clin Genet** 1983 Jul;24(1):47–9

Congenital rubella syndrome—1982. South MA, et al. **Isr J Med Sci** 1983 Oct;19(10):921–4

Murine cytomegalovirus-induced congenital defects and fetal maldevelopment. Baskar JF, et al. **J Infect Dis** 1983 Nov; 148(5):836–43

Hypoplastic right-sided heart complex with associated anomalies [letter] Greenberg F. **J Pediatr** 1984 Mar; 104(3):484

Complete spectrum of the varicella congenital defects syndrome in 5-year-old child. Kotchmar GS Jr, et al. **Pediatr Infect Dis** 1984 Mar-Apr;3(2):142–5

Craniofacial anomalies in the amniotic band disruption complex. McCarthy S, et al. **Pediatr Radiol** 1984;14(1):44–6

Fetal akinesia deformation sequence: an animal model. Moessinger AC. **Pediatrics** 1983 Dec;72(6):857–63

Asymmetrical limb reduction deformities—aetiological considerations. Bub I, et al. **S Afr Med J** 1984 Sep 1; 66(9):338–40

Intrinsically derived deformational defects secondary to spinal dysraphism. James HE. **Semin Perinatol** 1983 Oct; 7(4):253–6

The spectrum of structural defects produced as a result of amnion rupture. Jones MC. **Semin Perinatol** 1983 Oct; 7(4):281–4

Structural defects as a consequence of early intrauterine constraint: limb deficiency, polydactyly, and body wall defects. Miller ME. **Semin Perinatol** 1983 Oct;7(4):274–7

Prune perineum syndrome: report of a second case. Williams DA, et al. **Teratology** 1983 Aug;28(1):145–8

[Etiopathogenetic study of the VACTERL association] Ludányi I, et al. **Orv Hetil** 1984 Apr 1;125(14):825–9 (Eng. Abstr.) **(Hun)**

[Various problems of the science of systemic syndromes in childhood. II] Kopyść Z. **Wiad Lek** 1983 Oct 15; 36(20):1719–25 (Eng. Abstr.) **(Pol)**

FAMILIAL & GENETIC

Partial trisomy 3q (3q25——qter) syndrome in two siblings. Annerén G, et al. **Acta Paediatr Scand** 1984 Mar; 73(2):281–4

De novo interstitial deletion of the long arm of chromosome 2 in a malformed newborn with a karyotype: 46,XY,del(2)(q12q14). Antich J, et al. **Acta Paediatr Scand** 1983 Jul;72(4):631–3

Multiple hereditary gastrointestinal atresias: study of a family. Arnal-Monreal F, et al. **Acta Paediatr Scand** 1983 Sep; 72(5):773–7

Autosomal trisomy 18 and 13 syndromes in Ibadan, Nigeria. Adeyokunnu AA. **Afr J Med Med Sci** 1983 Jun;12(2):81–9

Distal 15q trisomy: phenotypic comparison of nine cases in an extended family. Schnatterly P, et al. **Am J Hum Genet** 1984 Mar;36(2):444–51

Possible new autosomal recessive syndrome with unusual renal histopathological changes. Allanson JE, et al. **Am J Med Genet** 1983 Sep;16(1):57–60

Diagnosis and penetrance of dystopia canthorum in Waardenburg syndrome type I (WS1) [letter] Arias S. **Am J Med Genet** 1984 Apr;17(4):863–7

Probable autosomal recessive inheritance of polysplenia, situs inversus and cardiac defects in an Amish family. Arnold GL, et al. **Am J Med Genet** 1983 Sep;16(1):35–42

Aarskog syndrome: full male and female expression associated with an X-autosome translocation. Bawle E, et al. **Am J Med Genet** 1984 Mar;17(3):595–602

Perrault's syndrome in two sisters. Bösze P, et al. **Am J Med Genet** 1983 Oct;16(2):237–41

The X-linked syndrome of macroorchidism and mental retardation: further observations. Bowen P, et al. **Am J Med Genet** 1978;2(4):409–14

The Pena-Shokeir syndrome: report of five cases and further delineation of the syndrome. Chen H, et al. **Am J Med Genet** 1983 Oct;16(2):213–24

Familial supernumerary microchromosome mosaicism: phenotypic effects and an attempt at characterization. Chudley AE, et al. **Am J Med Genet** 1983 Sep;16(1):89–97

Partial deletion of the long arm of chromosome 11—prenatal diagnosis [letter] Chudley AE, et al. **Am J Med Genet** 1983 Sep;16(1):137–9

Analysis of the gross anatomical variations found in four cases of trisomy 13. Colacino SC, et al. **Am J Med Genet** 1978;2(1):31–50

Phenotypic overlap of the BBB and G syndromes. Cordero JF, et al. **Am J Med Genet** 1978;2(2):145–52

Multiple synostosis syndrome: study of a large Brazilian kindred. da-Silva EO, et al. **Am J Med Genet** 1984 Jun; 18(2):237–47

Autosomal or X-linked recessive syndrome of congenital lymphedema, hypoparathyroidism, nephropathy, prolapsing mitral valve, and brachytelephalangy. Dahlberg PJ, et al. **Am J Med Genet** 1983 Sep;16(1):99–104

Enhancement of a fra(16)(q22) with distamycin A: a family ascertained through an abnormal proposita. Dunner JA, et al. **Am J Med Genet** 1983 Oct;16(2):277–84

Tandem dup (1p) within the short arm of chromosome 1 in a child with ambiguous genitalia and multiple congenital anomalies. Elejalde BR, et al. **Am J Med Genet** 1984 Apr; 17(4):723–30

Genetic aspects of the BOR syndrome—branchial fistulas, ear pits, hearing loss, and renal anomalies. Fraser FC, et al. **Am J Med Genet** 1978;2(3):241–52

The G and BBB syndromes: case presentations, genetics, and nosology. Funderburk SJ, et al. **Am J Med Genet** 1978; 2(2):131–44

X-linked mental retardation associated with bilateral clasp thumb anomaly. Gareis FJ, et al. **Am J Med Genet** 1984

Jan;17(1):333–8
A new X-linked mental retardation–overgrowth syndrome. Golabi M, et al. **Am J Med Genet** 1984 Jan;17(1):345–58
A new X-linked multiple congenital anomalies/mental retardation syndrome. Golabi M, et al. **Am J Med Genet** 1984 Jan;17(1):367–74
Acro–renal–ocular syndrome: autosomal dominant thumb hypoplasia, renal ectopia, and eye defect. Halal F, et al. **Am J Med Genet** 1984 Apr;17(4):753–62
Conductive deafness, symphalangism, and facial abnormalities: the WL syndrome in a Japanese family. Higashi K, et al. **Am J Med Genet** 1983 Sep;16(1):105–9
Brief clinical report: an X–linked mental retardation syndrome with craniofacial abnormalities, microcephaly and club foot. Holmes LB, et al. **Am J Med Genet** 1984 Jan;17(1):375–82
Bilateral renal agenesis with Potter phenotype, cleft palate, anomalies of the cardiovascular system, skeletal anomalies including hexadactyly and bifid metacarpal. A new syndrome? Holzgreve W, et al. **Am J Med Genet** 1984 May; 18(1):177–82
The Rieger syndrome. Jorgenson RJ, et al. **Am J Med Genet** 1978;2(3):307–18
Interstitial del(13q) associated with blindness and mental retardation. Juberg RC, et al. **Am J Med Genet** 1984 Mar; 17(3):609–13
Clinicopathologic conference: dup(10q),del(12p) in one abnormal, dizygotic twin infant of a t(10;12) (q22.1;p13.3) mother. Juberg RC, et al. **Am J Med Genet** 1984 Jun; 18(2):201–13
A large kindred with X–linked mental retardation, marker X and macroorchidism. Lubs H, et al. **Am J Med Genet** 1984 Jan;17(1):145–57
A form of X–linked mental retardation with marfanoid habitus. Lujan JE, et al. **Am J Med Genet** 1984 Jan; 17(1):311–22
A previously undescribed autosomal recessive multiple congenital anomalies/mental retardation (MCA/MR) syndrome with growth failure, lip/palate cleft(s), and urogenital anomalies. Malpuech G, et al. **Am J Med Genet** 1983 Dec;16(4):475–80
Phenotypic heterogeneity in neural tube defects: a clue to causal heterogeneity. Martin RA, et al. **Am J Med Genet** 1983 Dec;16(4):519–25
Duplication of part of chromosome 1q: clinical report and review of literature. Michels VV, et al. **Am J Med Genet** 1984 May;18(1):125–34
Analysis of gross anatomical variations in human triploidy. Moen DW, et al. **Am J Med Genet** 1984 Jun;18(2):345–56
Phenotypic variability in Townes–Brocks syndrome. Monteiro de Pina–Neto J. **Am J Med Genet** 1984 May; 18(1):147–52
Brief clinical report: duplication of distal 17q: report of an observation. Naccache NF, et al. **Am J Med Genet** 1984 Mar;17(3):633–9
Familial t(4;13) with abnormal offspring in three generations. Najafzadeh TM, et al. **Am J Med Genet** 1983 Sep; 16(1):15–22
The Golabi–Rosen syndrome—report of a second family. Opitz JM. **Am J Med Genet** 1984 Jan;17(1):359–66
Discovery of a connective tissue dysplasia in the Martin–Bell syndrome. Opitz JM, et al. **Am J Med Genet** 1984 Jan; 17(1):101–9
The Bartsocas–Papas syndrome: autosomal recessive form of popliteal pterygium syndrome in a male infant. Papadia F, et al. **Am J Med Genet** 1984 Apr;17(4):841–7
A syndrome of microcephaly and retinal pigmentary abnormalities without mental retardation in a family with coincidental autosomal dominant hyperreflexia. Parke JT, et al. **Am J Med Genet** 1984 Mar;17(3):585–94
AREDYLD: a syndrome combining an acrorenal field defect, ectodermal dysplasia, lipoatrophic diabetes, and other manifestations. Pinheiro M, et al. **Am J Med Genet** 1983 Sep;16(1):29–33
A new X–linked syndrome comprising progressive basal ganglion dysfunction, mental and growth retardation, external ophthalmoplegia, postnatal microcephaly and deafness. Schimke RN, et al. **Am J Med Genet** 1984 Jan; 17(1):323–32
Cyclopia and cebocephaly in two newborn infants with unbalanced segregation of a familial translocation rcp (1;7)(q32;q34). Schinzel A. **Am J Med Genet** 1984 May; 18(1):153–61
Oculopharyngeal and distal myopathy: a case study from Papua New Guinea. Scrimgeour EM, et al. **Am J Med Genet** 1984 Apr;17(4):763–71
Brief clinical report: Curry–Hall syndrome. Shapiro SD, et al. **Am J Med Genet** 1984 Mar;17(3):579–83
Tricho–dento–osseous syndrome: heterogeneity or clinical variability. Shapiro SD, et al. **Am J Med Genet** 1983 Oct; 16(2):225–36
Recessively inherited, late onset spondylar dysplasia and peripheral corneal opacity with anomalies in urinary mucopolysaccharides: a possible error of chondroitin–6–sulfate synthesis. Toledo SP, et al. **Am J Med Genet** 1978;2(4):385–95
Multiple skeletal familial abnormalities associated with balanced reciprocal translocation 2;8(q32;p13). Ventruto V, et al. **Am J Med Genet** 1983 Dec;16(4):589–94
The Dubowitz syndrome. Wilroy RS Jr, et al. **Am J Med Genet** 1978;2(3):275–84
Trisomy 18/trisomy 13 mosaicism in an adult with profound mental retardation and multiple malformations. Wilson WG, et al. **Am J Med Genet** 1983 Sep;16(1):131–6
Mental retardation–clasped thumb syndrome. Yeatman GW. **Am J Med Genet** 1984 Jan;17(1):339–44
Terminal and interstitial deletions of the long arm of chromosome 7: a review with five new cases. Young RS, et al. **Am J Med Genet** 1984 Feb;17(2):437–50
Hypoplastic pulmonary arteries and aorta with obstructive uropathy in 2 siblings. Kashani IA, et al. **Angiology** 1984 Apr;35(4):252–6
De novo del(3)(q2800). Alvarez Arratia MC, et al. **Ann Genet (Paris)** 1984;27(2):109–11
Occurrence of 19p– in an infant with multiple dysmorphic features. Hurgoiu V, et al. **Ann Genet (Paris)** 1984; 27(1):56–7
Distal trisomy 14q due to tandem duplication (q24 leads to q32). Orye E, et al. **Ann Genet (Paris)** 1983;26(4):238–9
Interstitial deletion of a chromosome 7 (q11.2q22.1) in a child with splithand/splitfoot malformation. Pfeiffer RA. **Ann Genet (Paris)** 1984;27(1):45–8
'Pure' monosomy 21 pter leads to q21 in a girl born to a couple 46,XX,t(14;21)(p12;q22) and 46,XY,t(5;18)(q32;q22). Rivera H, et al. **Ann Genet (Paris)** 1983;26(4):234–7
Trisomy 6q22 leads to 6qter due to maternal 6;21 translocation. Case report review of the literature. Taysi K, et al. **Ann Genet (Paris)** 1983;26(4):243–6 (12 ref.)
Diploid–triploid mosaicism: delineation of the syndrome. Tharapel AT, et al. **Ann Genet (Paris)** 1983;26(4):229–33
Heterogeneity in the trichorhinophalangeal syndromes. Jorgenson RJ, et al. **Birth Defects** 1983;19(1):167–79
Greig cephalopolysyndactyly: report of 13 affected individuals in three families. Baraitser M, et al. **Clin Genet** 1983 Oct;24(4):257–65
Additional data on spontaneous abortion and facial cleft malformations. Bear JC. **Clin Genet** 1983 Dec;24(6):407–12
Recurrence of holoprosencephaly in families with a positive history. Benke PJ, et al. **Clin Genet** 1983 Nov;24(5):324–8
Male to male transmission of the G syndrome [letter] Chemke J, et al. **Clin Genet** 1984 Aug;26(2):164
Partial trisomy 11q due to paternal t(11q;18p); further delineation of the clinical picture. de France HF, et al. **Clin Genet** 1984 Mar;25(3):295–9
Interstitial deletion of band q12 of chromosome 5. Dudin G, et al. **Clin Genet** 1984 May;25(5):455–8
Mentally retarded siblings with congenital heart defect, peculiar facies and cryptorchidism in the male: possible McDonough syndrome with coincidental (X; 20) translocation. García–Sagredo JM, et al. **Clin Genet** 1984 Aug;26(2):117–24
Smith–Lemli–Opitz syndrome in two 46,XY infants with female external genitalia. Greene C, et al. **Clin Genet** 1984 Apr;25(4):366–72
Zellweger's cerebro–hepato–renal syndrome—variations in expressivity and in defects of bile acid synthesis. Gustafsson J, et al. **Clin Genet** 1983 Nov;24(5):313–9
Severe limb malformations in 4p deletion. Haspeslagh M, et al. **Clin Genet** 1984 Apr;25(4):353–6
The Schinzel syndrome in a mother and daughter. Hecht JT, et al. **Clin Genet** 1984 Jan;25(1):63–7
Familial pericentric inversion (14) (p11;q24) with a rec dup(q) in one offspring. Kaiser P, et al. **Clin Genet** 1984 Jul; 26(1):73–6
Frontonasal dysplasia, coronal craniosynostosis, pre– and postaxial polydactyly and split nails: a new autosomal dominant mutant with reduced penetrance and variable expression? Kwee ML, et al. **Clin Genet** 1983 Sep; 24(3):200–5
Renal agenesis as a diagnostic feature of the cryptophthalmos–syndactyly syndrome. Lurie IW, et al. **Clin Genet** 1984 Jun;25(6):528–32
Arteriohepatic dysplasia: phenotypic features and family studies. Mueller RF, et al. **Clin Genet** 1984 Apr; 25(4):323–31
Further delineation of the Cohen syndrome; report on chorioretinal dystrophy, leukopenia and consanguinity. Norio R, et al. **Clin Genet** 1984 Jan;25(1):1–14
Mandibuloacral dysplasia: a rare progeroid syndrome. Two brothers confirm autosomal recessive inheritance. Pallotta R, et al. **Clin Genet** 1984 Aug;26(2):133–8
Trisomy 7 and Potter syndrome. Pflueger SM, et al. **Clin Genet** 1984 Jun;25(6):543–8
Trisomy 9 (pter——q1 to q3): the phenotype as an objective aid to karyotypic interpretation. Preus M, et al. **Clin Genet** 1984 Jul;26(1):52–5
Trisomy 4p in four relatives: variability and lack of distinctive features in phenotypic expression. Reynolds JF, et al. **Clin Genet** 1983 Nov;24(5):365–74
Clinical delineation of proximal and distal partial 13q trisomy. Rogers JF. **Clin Genet** 1984 Mar;25(3):221–9
The Neu–COFS (cerebro–oculo–facio–skeletal) syndrome: report of a case. Silengo MC, et al. **Clin Genet** 1984 Feb; 25(2):201–4
Interstitial deletion of chromosome 1 (q23–q25). Report of a case. Silengo MC, et al. **Clin Genet** 1984 Jun;25(6):549–52
Partial trisomy 9q resulting from a familial translocation t(9;16)(q32;q24). Soltan HC, et al. **Clin Genet** 1984 May; 25(5):449–54
Asymmetric skeletal anomalies in siblings. Stanley WS, et al. **Clin Genet** 1984 Jun;25(6):533–7
The Aarskog syndrome in a large family, suggestive for autosomal dominant inheritance. van de Vooren MJ, et al. **Clin Genet** 1983 Dec;24(6):439–45
Anomalous cerebral venous drainage in Aarskog syndrome. van den Bergh P, et al. **Clin Genet** 1984 Mar;25(3):288–94
Five generations of t(4;8)(q35;q13) leading to a case of partial 8q trisomy with consideration of potential pregnancy outcomes from translocation carriers. Young RS, et al. **Clin Genet** 1984 Jun;25(6):522–7
The femur, fibula, ulna (FFU) complex in siblings. Zlotogora J, et al. **Clin Genet** 1983 Dec;24(6):449–52
Short stature and dysmorphism in the child and adolescent female. Diagnostic dilemmas. Rohn RD. **Clin Pediatr (Phila)** 1983 Nov;22(11):741–6
Familial congenital short small bowel with associated defects. A long–term survival. Sansaricq C, et al. **Clin Pediatr (Phila)** 1984 Aug;23(8):453–5
A 47,XXX female with unusual phenotype. Hernandez P, et al. **Del Med J** 1983 Nov;55(11):661–3
Wilms' tumor, malformative syndrome, mental retardation and de novo constitutional translocation, t(7;13)(q36;q13). Bernard JL, et al. **Eur J Pediatr** 1984 Jan;141(3):175–7
Chromosomal aberrations and chromosomal polymorphism in families with reproductive failure. Vulkova G. **Folia Med (Plovdiv)** 1983;25(3):11–8
Transient erytroblastopenia of childhood and familial triphalangeal thumb. Tamburlini G, et al. **Haematologica (Pavia)** 1984 Mar–Apr;69(2):211–7
Renal disorders in the branchio–oto–renal syndrome. Widdershoven J, et al. **Helv Paediatr Acta** 1983 Dec; 38(5–6):513–22
Partial trisomy for the distal part of chromosome 22 (22q12——qter) in a mentally retarded girl with congenital birth defects. Annerén G, et al. **Hereditas** 1984;100(1):115–9
Family study of congenital limb reduction abnormalities in Hungary 1975–1977. Czeizel A, et al. **Hum Genet** 1983; 65(1):34–45
Identical twins with deletion 16q syndrome: evidence that 16q12.2–q13 is the critical band region. Elder FF, et al. **Hum Genet** 1984;67(2):233–6
Trisomy 16q13——qter in a infant from a t(11;16)(q25;q13) translocation–carrier father. Hatanaka K, et al. **Hum Genet** 1984;65(3):311–5
The 11q;22q translocation: a collaborative study of 20 new cases and analysis of 110 families. Iselius L, et al. **Hum Genet** 1983;64(4):343–55
Interstitial deletion for a region in the long arm of chromosome 16. Lin CC, et al. **Hum Genet** 1983;65(2):134–8
Reproductive outcomes of paracentric inversion carriers: report of a liveborn dicentric recombinant and literature review. Mules EH, et al. **Hum Genet** 1984;67(2):126–31
Regional mapping of catalase and Wilms tumor—aniridia, genitourinary abnormalities, and mental retardation triad loci to the chromosome segment 11p1305——p1306. Narahara K, et al. **Hum Genet** 1984;66(2–3):181–5
Premature centromere splitting in a presumptive mild form of Roberts syndrome. Petrinelli P, et al. **Hum Genet** 1984; 66(1):96–9
A de novo case of trisomy 10p: gene dosage studies of hexokinase, inorganic pyrophosphatase and adenosine kinase. Snyder FF, et al. **Hum Genet** 1984;67(2):187–9
New chromosomal syndrome: Miller–Dieker syndrome and monosomy 17p13. Stratton RF, et al. **Hum Genet** 1984; 67(2):193–200
Familial congenital esophageal atresia. Personal case report and review of the literature. Van Staey M, et al. **Hum Genet** 1984;66(2–3):260–6
Ectrodactyly, ectodermal dysplasia, cleft lip and palate (EEC)—a rare syndrome. Parkash H, et al. **Indian J Pediatr** 1983 May–Jun;50(404):337–40
Siblings with Larsen's syndrome. Bharucha BA, et al. **Indian Pediatr** 1983 May;20(5):375–7
Monozygotic twinning and sirenomelia. Raghavan KR, et al. **Indian Pediatr** 1983 Apr;20(4):308–9
Rubinstein Taybi syndrome. Shah SB, et al. **Indian Pediatr** 1984 Feb;21(2):177–8
Mohr syndrome in two siblings. Genčík A, et al. **J Genet Hum** 1983 Dec;31(4):307–15
An oculocerebral hypopigmentation syndrome. Preus M, et al. **J Genet Hum** 1983 Dec;31(4):323–8
Del (8) (q212q2200) de novo in a boy without Langer–Giedion syndrome. Rivera H, et al. **J Genet Hum** 1983 Dec;31 Suppl 5:413–8
Double balanced chromosomal translocation carrier (6;8), (13;14)—a case report: critique and response. Young RS. **J Hered** 1984 Mar–Apr;75(2):154
Popliteal pterygium syndrome presenting with orofacial abnormalities. Report of a family. Audino G, et al. **J Maxillofac Surg** 1984 Aug;12(4):174–7
Spectrum of anomalies in Fanconi anaemia [letter] Akar N, et al. **J Med Genet** 1984 Feb;21(1):75–6
Interstitial deletion of the long arm of chromosome 2: del(2)(q31q33). Al–Awadi SA, et al. **J Med Genet** 1983 Dec;20(6):464–5
The Marshall and Stickler syndromes: objective rejection of lumping. Aymé S, et al. **J Med Genet** 1984 Feb;21(1):34–8
Tetrasomy 9p confirmed by GALT. Balestrazzi P, et al. **J Med Genet** 1983 Oct;20(5):396–9
Orofaciodigital syndrome with mesomelic limb shortening. Burn J, et al. **J Med Genet** 1984 Jun;21(3):189–92
Empirical recurrence risk after unidentified multiple congenital abnormalities. Czeizel A, et al. **J Med Genet** 1983 Oct;20(5):367–71
Hereditary costovertebral dysplasia with malignant cerebral tumour. David TJ, et al. **J Med Genet** 1983 Dec;20(6):441–4

Metatarsus adductus in two brothers with Aarskog syndrome. Hurst DL. **J Med Genet** 1983 Dec;20(6):477

Mosaic hexasomy 21. Ketupányá A, et al. **J Med Genet** 1984 Jun;21(3):228–30

Yq deletion with short stature, abnormal male development, and schizoid character disorder. Kosztolányi G, et al. **J Med Genet** 1983 Oct;20(5):393–4

Triploidy with cyclopia and identical HLA alleles in the parents. Lambert JC, et al. **J Med Genet** 1984 Feb; 21(1):63–6

Syndrome of polydactyly, cleft lip, lingual hamartomas, renal hypoplasia, hearing loss, and psychomotor retardation: variant of the Mohr syndrome or a new syndrome? Mattei JF, et al. **J Med Genet** 1983 Dec;20(6):433–5

Fragile site at 12q13 associated with phenotypic abnormalities. Morić-Petrović S, et al. **J Med Genet** 1984 Jun;21(3):216–7

De novo direct tandem duplication of the proximal long arm of chromosome 2: 46,XX,dir dup(2)(q11 X 2q14 X 2). Mu Y, et al. **J Med Genet** 1984 Feb;21(1):57–8

Complete trisomy 5p owing to de novo translocation t(5;22)(q11;p11) with isochromosome 5p associated with a familial pericentric inversion of chromosome 2, inv 2(p21q11). Örye E, et al. **J Med Genet** 1983 Oct;20(5):394–6

Interstitial deletion of the short arm of chromosome 4. Ray M, et al. **J Med Genet** 1984 Jun;21(3):223–5

A case of deletion 2q35——qter and a peculiar phenotype. Sánchez JM, et al. **J Med Genet** 1984 Apr;21(2):147–9

Trisomy 1q24——1q41 in two sibs with an insertion in an inverted chromosome 4. Stoll C, et al. **J Med Genet** 1984 Apr;21(2):133–5

Severe cardiac anomalies in sibs with Larsen syndrome. Strisciuglio P, et al. **J Med Genet** 1983 Dec;20(6):422–4

Trisomy 5p: a second case occurring in a previously described kindred. Vowles M, et al. **J Med Genet** 1984 Apr;21(2):144–6

49,XXYY, +18 in a liveborn male. Webb GC, et al. **J Med Genet** 1984 Jun;21(3):232

Cat eye syndrome owing to tetrasomy 22pter leads to q11. Wilson GN, et al. **J Med Genet** 1984 Feb;21(1):60–3

Agenesis of the corpus callosum in two brothers. Wilson WG, et al. **J Med Genet** 1983 Dec;20(6):416–8

The 3-M syndrome. Winter RM, et al. **J Med Genet** 1984 Apr;21(2):124–8

Spondylocostal dysostosis. Young ID, et al. **J Med Genet** 1984 Feb;21(1):68–9

De novo translocation involving chromosomes 2, 8, and 20. Zaletajev DV, et al. **J Med Genet** 1984 Jun;21(3):231

Abnormal distal phalanges and nails, deafness, mental retardation, and seizure disorder: a new familial syndrome. Qazi QH, et al. **J Pediatr** 1984 Mar;104(3):391–4

Orthopaedic aspects of the trismus pseudocamptodactyly syndrome. O'Brien PJ, et al. **J Pediatr Orthop** 1984 Aug; 4(4):469–71

Congenital clasped thumb combined with Waardenburg syndrome in three generations of one family: an undescribed congenital anomalies complex. Senrui H. **J Pediatr Orthop** 1984 Aug;4(4):472–6

Trisomy 18: Edward's syndrome (a case report of 3 cases). Bharucha BA, et al. **J Postgrad Med** 1983 Apr;29(2):129–32

Familial brachydactyly and chondrocalcinosis. Report of a patient, pedigree and review of the literature. Mathews JL, et al. **J Rheumatol** 1983 Oct;10(5):819–22

The inheritance of the exstrophy–epispadias complex. Shapiro E, et al. **J Urol** 1984 Aug;132(2):308–10

Partial trisomy for 7p due to maternal balanced translocation. Ohdo S, et al. **Jinrui Idengaku Zasshi** 1983 Dec; 28(4):297–300

Distal deletion of the short arm of chromosome No. 10: a case report. Oka S, et al. **Jinrui Idengaku Zasshi** 1983 Dec; 28(4):291–6

A case of mosaic trisomy 14 due to an isochromosome, i(14q). Ozawa N, et al. **Jinrui Idengaku Zasshi** 1984 Mar; 29(1):69–76

The first case of the Antley–Bixler syndrome with a consanguinity in Japan. Yasui Y, et al. **Jinrui Idengaku Zasshi** 1983 Sep;28(3):215–20

Abnormal corneal and eyelid development in the repeated epilation mouse. Cousins S, et al. **Lab Anim Sci** 1984 Apr; 34(2):156–63

Case report of a prenatal diagnosis of trisomy 13. Hisanaga S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Mar; 36(3):456–8

Genetics in pediatric ophthalmology. Bateman JB. **Pediatr Clin North Am** 1983 Dec;30(6):1015–31 (127 ref.)

Waardenburg syndrome in South Africa. Part I. An evaluation of the clinical findings in 11 families. de Saxe M, et al. **S Afr Med J** 1984 Aug 18;66(7):256–61

Waardenburg syndrome in South Africa. Part II. Is there a founder effect for type II? de Saxe M, et al. **S Afr Med J** 1984 Aug 25;66(8):291–3

The Aarskog (facio–digital–genital) syndrome in South Africa. A report of three families. de Saxe M, et al. **S Afr Med J** 1984 Feb 25;65(8):299–303

Twin reversed arterial perfusion (TRAP) sequence: a study of 14 twin pregnancies with acardius. Van Allen MI, et al. **Semin Perinatol** 1983 Oct;7(4):285–93

[The r(14) syndrome. 3 new observations] Gilgenkrantz S, et al. **Ann Genet (Paris)** 1984;27(2):73–8 (Eng. Abstr.) **(Fre)**

[Ring chromosome 14. I. A case report on homogeneous r(14)] Raoul O, et al. **Ann Genet (Paris)** 1984;27(2):88–90 (Eng. Abstr.) **(Fre)**

[Ring chromosome 14. II. A case report of r(14) mosaicism. The r(14) phenotype] Rethoré MO, et al. **Ann Genet (Paris)** 1984;27(2):91–5 (Eng. Abstr.) **(Fre)**

[Trisomy 7. Internal intersexuality (masculine uterus) and severe abnormality of the anterior chamber of the eye] Turleau C, et al. **Ann Genet (Paris)** 1984;27(2):115–7 (Eng. Abstr.) **(Fre)**

[Hermansky–Pudlak syndrome in a Valais village] Lattion F, et al. **Helv Paediatr Acta** 1983 Dec;38(5–6):495–512 (Eng. Abstr.) **(Fre)**

[Fronto–nasal dysplasia (apropos of 4 cases)] Fontaine G, et al. **J Genet Hum** 1983 Dec;31 Suppl 5:351–65 (Eng. Abstr.) **(Fre)**

[Acceleration of bone maturation and dysmorphic syndrome in 2 siblings (Marshall–Weaver syndrome)] Jalaguier J, et al. **J Genet Hum** 1983 Dec;31 Suppl 5:385–95 (Eng. Abstr.) **(Fre)**

[Otopalatodigital syndrome. Apropos of 3 female cases] Plenier V, et al. **Rev Stomatol Chir Maxillofac** 1983; 84(6):322–9 (Eng. Abstr.) **(Fre)**

[Cohen's syndrome in 2 sisters] Doyard P, et al. **Sem Hop Paris** 1984 Apr 12;60(16):1143–7 (Eng. Abstr.) **(Fre)**

[How are the Blaschko lines arranged on the scalp?] Happle R, et al. **Hautarzt** 1984 Jul;35(7):366–9 (Eng. Abstr.) **(Ger)**

[Make a diagnosis. Waardenburg's syndrome type 1] Aksu F. **Padiatr Padol** 1983;18(4):399–402 **(Ger)**

[Familial split hand and foot, cleft lip and palate, ectodermal dysplasia syndrome] Szappanos L, et al. **Orv Hetil** 1984 Mar 11;125(11):633–8 (Eng. Abstr.) **(Hun)**

[Description of a family with 3 brothers with X-linked mental retardation and fragile site Xq 27 der mat] Ventruto V, et al. **Pediatria (Napoli)** 1983 Jun–Sep;91(2–3):241–50 (Eng. Abstr.) **(Ita)**

[Autosome syndromes] Boczkowski K. **Pol Tyg Lek** 1983 Sep 19;38(38):1191–4 (11 ref.) **(Pol)**

[The Waardemburg syndrome. Considerations on 2 familial cases] Burdea M, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1984 Apr–Jun; 33(2):177–82 (Eng. Abstr.) **(Rum)**

[4q deletion syndrome (de novo)] Zergollern L, et al. **Acta Med Iugosl** 1984;38(2):133–8 (Eng. Abstr.) **(Scr)**

[Familial syndrome of microcephaly with oculocutaneous albinism and digital anomalies] Castro-Gago M, et al. **An Esp Pediatr** 1983 Aug;19(2):128–31 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

[Immunological disorders and their correction with thymalin in the surgical treatment of patients with 1st and 2nd branchial arch syndromes] Kotov GA, et al. **Stomatologiia (Mosk)** 1984 May–Jun;63(3):43–4 (Eng. Abstr.) **(Rus)**

METABOLISM

Review: the cerebrohepatorenal syndrome of Zellweger, morphologic and metabolic aspects. Kelley RI. **Am J Med Genet** 1983 Dec;16(4):503–17 (84 ref.)

Lignoceric acid is oxidized in the peroxisome: implications for the Zellweger cerebro–hepato–renal syndrome and adrenoleukodystrophy. Singh I, et al. **Proc Natl Acad Sci USA** 1984 Jul;81(13):4203–7

MORTALITY

Lethal nonpulmonary anomalies associated with congenital diaphragmatic hernia: implications for early intrauterine surgery. Puri P, et al. **J Pediatr Surg** 1984 Feb;19(1):29–32

NURSING

Subjectively speaking... Bator A. **Am J Nurs** 1984 Jul; 84(7):883

OCCURRENCE

Incidence at birth of different types of limb reduction abnormalities in Hungary 1975–1977. Bod M, et al. **Hum Genet** 1983;65(1):27–33

Congenital malformations associated with anencephaly in the Fylde peninsula of Lancashire. David TJ, et al. **J Med Genet** 1983 Oct;20(5):338–41

What is the incidence of holoprosencephaly? Saunders ES, et al. **J Med Genet** 1984 Feb;21(1):21–6

Malformations associated with congenital absence of the gall bladder. Turkel SB, et al. **J Med Genet** 1983 Dec; 20(6):445–9

Urinary tract abnormalities in children with supernumerary nipples. Varsano IB, et al. **Pediatrics** 1984 Jan;73(1):103–5

[Malformation uropathies and multiple malformation syndromes] Briard ML, et al. **J Genet Hum** 1984 Jun; 32(2):83–90 (Eng. Abstr.) **(Fre)**

[Incidence of associated malformations in 141 children operated on for vesico–ureteral reflux] Ginalski JM, et al. **J Genet Hum** 1984 Mar;32(1):69–72 (Eng. Abstr.) **(Fre)**

[Incidence of oral developmental anomalies in children with abnormalities of various organs] Knychalska-Karwan Z, et al. **Pediatr Pol** 1983 Nov;58(11):857–64 (Eng. Abstr.) **(Pol)**

[Asplenia, polysplenia and accessory spleens. Incidence and association with other congenital malformations] Ambrosius-Diener K, et al. **Bol Med Hosp Infant Mex** 1983 Oct;40(10):560–5 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Möbius syndrome. Pathological study of a peripheral nerve. A case report. Nardelli E, et al. **Acta Neurol (Napoli)** 1983 Oct;5(5):360–7

Hydrocephalus with cerebral aqueductal dysgenesis and craniofacial anomalies. Baker DW, et al. **Acta Neuropathol (Berl)** 1984;63(2):170–3

Intrauterine multisystem atrophy in siblings: a new genetic syndrome? Herrick MK, et al. **Acta Neuropathol (Berl)** 1983;61(1):65–70

Completely cartilaginous trachea in a child with Crouzon syndrome. Devine P, et al. **Am J Dis Child** 1984 Jan; 138(1):40–3

Waardenburg syndrome—two distinct types. Arias S. **Am J Med Genet** 1980;6(1):99–100

Syndrome of multiple pterygia, camptodactyly, facial anomalies, hypoplastic lungs and heart, cystic hygroma, and skeletal anomalies: delineation of a new entity and review of lethal forms of multiple pterygium syndrome. Chen H, et al. **Am J Med Genet** 1984 Apr;17(4):809–26

Brief clinical report: lethal multiple pterygium syndrome in an 18-week fetus with hydrops. Isaacson G, et al. **Am J Med Genet** 1984 Apr;17(4):835–9

'ADAM complex' (amniotic deformity, adhesions, mutilations)—a pattern of craniofacial and limb defects. Keller H, et al. **Am J Med Genet** 1978;2(1):81–98

Lethal multiple pterygium syndrome. Van Regemorter N, et al. **Am J Med Genet** 1984 Apr;17(4):827–34

Aicardi's syndrome. A clinicopathologic study. McMahon RG, et al. **Arch Ophthalmol** 1984 Feb;102(2):250–3

Aberrant twinning (diprosopus) associated with anencephaly. Moerman P, et al. **Clin Genet** 1983 Oct;24(4):252–6

A Weaver-like syndrome in a Japanese boy. Tsukahara M, et al. **Clin Genet** 1984 Jan;25(1):73–8

Physical features in African children with Down's syndrome. Mgone CS. **East Afr Med J** 1983 May;60(5):314–8

Polycystic kidneys and male hermaphroditism in an infant: a case report and review of the literature. Spurlock RG, et al. **Hum Pathol** 1984 Sep;15(9):895–7

Robinow syndrome (Fetal Face syndrome). Menon PS, et al. **Indian Pediatr** 1983 Oct;20(10):783–7

Atrioventricular valve diverticulum—an unusual congenital malformation. Gerlis LM, et al. **Int J Cardiol** 1984 Jul; 6(1):75–8

Skeletal changes in a case of Goltz's syndrome (focal dermal hypoplasia). Consolo C, et al. **Ital J Orthop Traumatol** 1983 Dec;9(4):541–5

Rare type of intrapulmonary drainage of one lung by the other with total anomalous pulmonary venous return. Brenner JI, et al. **J Am Coll Cardiol** 1983 Dec;2(6):1174–7

Multiple congenital defects: report of a case. Calomeni AA, et al. **J Am Dent Assoc** 1983 Sep;107(3):432–4

Craniofacial morphology in the velo-cardio-facial syndrome. Arvystas M, et al. **J Craniofac Genet Dev Biol** 1984; 4(1):39–45

Unusual morphodysplasia as a result of early amnion rupture: umbilico-cephalic adherence. Chappard D, et al. **J Genet Hum** 1983 Dec;31(4):329–35

A bilateral total cleft of lip and hard and soft palate and transverse cleft face with an atypical paramedian defect of the lower lip and lower jaw on the right side. A case repor of a new syndrome? Oka M, et al. **J Maxillofac Surg** 1983 Oct;11(5):232–5

Duplication of structures around the stomatodeum. Wittkampf AR, et al. **J Maxillofac Surg** 1984 Feb; 12(1):17–20

Complete atrioventricular canal associated with tetralogy of Fallot. Morphologic and surgical considerations. Uretzky G, et al. **J Thorac Cardiovasc Surg** 1984 May;87(5):756–66

Muscle dysplasia in megaureters. Tokunaka S, et al. **J Urol** 1984 Feb;131(2):383–90

Silver syndrome: an infant with necropsy findings. Imaizumi K, et al. **Jinrui Idengaku Zasshi** 1983 Sep;28(3):231–4

Total anomalous pulmonary venous drainage associated with tetralogy of Fallot: report of a case. Gerlis LM, et al. **Pediatr Cardiol** 1983 Oct–Dec;4(4):297–9

The anatomy of a congenitally short limb with clubfoot and ectrodactyly. Hootnick DR, et al. **Teratology** 1984 Apr; 29(2):155–64

Gross anatomical studies of a newborn with the Meckel syndrome. Pettersen JC. **Teratology** 1983 Oct;28(2):157–64

Interrupted aortic arch—anatomical features of surgical significance. Ho SY, et al. **Thorac Cardiovasc Surg** 1983 Aug;31(4):199–205

Axenfeld–Rieger syndrome: a theory of mechanism and distinctions from the iridocorneal endothelial syndrome. Shields MB. **Trans Am Ophthalmol Soc** 1983;81:736–84

Aarskog syndrome. Shinkawa T, et al. **Urology** 1983 Dec; 22(6):624–6

[Seckel's syndrome (bird-headed microsoma)] Zlateva S, et al. **Vutr Boles** 1984;23(2):132–5 **(Bul)**

[Alagille's syndrome. Clinical and histo-pathologic study] Moreno Giménez JC, et al. **Ann Dermatol Venereol** 1984; 111(3):225–9 (Eng. Abstr.) **(Fre)**

[Facio-oro-kerato-cutaneous malformation syndrome] Stevanovic DV. **Ann Dermatol Venereol** 1982; 109(6–7):579–83 **(Fre)**

[Anatomo-pathological diagnosis of neonatal malformations of the urinary tract. II. Excreto-urinary tract

malformations] Carles D, et al. **Ann Pathol** 1984 Apr-May; 4(2):157-61 (Eng. Abstr.) **(Fre)**

[Atypical pulmonary sequestration in a child with Williams-Beuren syndrome] Labbe A, et al. **Ann Pediatr (Paris)** 1983 Dec;30(10):791-3 (Eng. Abstr.) **(Fre)**

[Duplication of the complete lumbosacral spine. Apropos of 1 case] Prevot J, et al. **Chir Pediatr** 1984;25(2):87-9 (Eng. Abstr.) **(Fre)**

[Polysyndactyly with complex cardiopathy. Apropos of 3 cases in the same family] Bonneau JC, et al. *J Genet Hum 1983 Jun;31(2):93-105 (Eng. Abstr.)* **(Fre)**

[Syndrome of terminal deletion of the long arm of chromosome 4. Apropos of a personal case with a review of the literature] Frappaz D, et al. **Pediatrie** 1983 Jun; 38(4):261-70 (11 ref.) (Eng. Abstr.) **(Fre)**

[Robinow's syndrome] Khayat D, et al. **Rev Stomatol Chir Maxillofac** 1983;84(4):222-4 (Eng. Abstr.) **(Fre)**

[The long-eyelash syndrome (trichomegaly syndrome, Oliver-McFarlane)] Zaun H, et al. **Hautarzt** 1984 Mar; 35(3):162-5 (Eng. Abstr.) **(Ger)**

[Leprechaunism (Donohue's syndrome). Clinical and pathologico-anatomical findings] Fürste HO, et al. **Helv Paediatr Acta** 1984 Mar;39(1):95-104 (Eng. Abstr.) **(Ger)**

[Clinical and histopathological findings in an unknown oculocerebral abnormality syndrome] Strempel I. **Ophthalmologica** 1984;188(4):197-207 (Eng. Abstr.) **(Ger)**

[The Freeman-Sheldon Syndrome] Aldinger G, et al. **Z Orthop** 1983 Sep-Oct;121(5):630-3 (Eng. Abstr.) **(Ger)**

[Neurenteric cyst of the medulla oblongata as an element of multiple developmental brain defects] Zalatnai A. **Morphol Igazsagugyi Orv Sz** 1984 Apr;24(2):111-8 (Eng. Abstr.) **(Hun)**

[Dento-maxillo-facial anomalies in the KBG syndrome] Tollaro I, et al. **Minerva Stomatol** 1984 May-Jun; 33(3):437-46 (Eng. Abstr.) **(Ita)**

[Case of situs inversus viscerum totalis observed in a 95-year-old female] Tohno Y, et al. **Kaibogaku Zasshi** 1983 Dec;58(6):606-13 (Eng. Abstr.) **(Jpn)**

[Pathological anatomy of monogenic syndromes of multiple congenital developmental defects] Cherstvoi ED, et al. **Arkh Patol** 1984;46(4):39-45 (Eng. Abstr.) **(Rus)**

[Features of the blood supply of the upper extremities in children with hypoplastic thumbs] Vodolazov IuA, et al. **Khirurgiia (Mosk)** 1984 May;(5):132-3 **(Rus)**

[Hypospadias. Associated abnormalities. Apropos of 583 observations in children] Estornell Moragues F, et al. **Actas Urol Esp** 1983 Nov-Dec;7(6):437-44 (Eng. Abstr.) **(Spa)**

[Cheilo-maxillo-palatine clefts and associated malformations] Espias Gómez MS, et al. **An Esp Pediatr** 1983 Sep; 19(3):229-33 (Eng. Abstr.) **(Spa)**

[Goldenhar syndrome. Report of a new case] Pedraz García C, et al. **An Esp Pediatr** 1984 Mar 15;20(4):403-7 (Eng. Abstr.) **(Spa)**

[Robinow syndrome (fetal-face dwarfism). Presentation of a case and review of the literature] Rodríguez Costa T, et al. **An Esp Pediatr** 1984 Jan;20(1):55-61 (Eng. Abstr.) **(Spa)**

[Esophageal atresia. A previously undescribed variant] Castrejón-García JM, et al. **Bol Med Hosp Infant Mex** 1983 Nov;40(11):656-8 (Eng. Abstr.) **(Spa)**

[Type A cervical aortic arch. Report of a case associated with tetralogy of Fallot and pulmonary branch stenosis] Vázquez C, et al. **Rev Esp Cardiol** 1983;36(3):265-8 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

The fragile X syndrome II: preliminary data on growth and development in males. Partington MW. **Am J Med Genet** 1984 Jan;17(1):175-94

Antepartum fetal heart rate pattern associated with major congenital malformations. Navot D, et al. **Obstet Gynecol** 1984 Mar;63(3):414-7

[Oto-palato-digital type II syndrome] Kaplan J, et al. **Ann Genet (Paris)** 1984;27(2):79-82 (Eng. Abstr.) **(Fre)**

[Gynecological and endocrinological studies of thalidomide-damaged girls] Mühlenstedt D, et al. **Geburtshilfe Frauenheilkd** 1984 Apr;44(4):243-8 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Trace metals and otolith defects in mocha mice. Rolfsen RM, et al. **J Hered** 1984 May-Jun;75(3):159-62

RADIOGRAPHY

Arthro-osteo-renal dysplasia. Report of a case. Zahran M, et al. **Acta Radiol [Diagn] (Stockh)** 1984;25(1):39-43

Pediatric case of the day. Hoffman AD. **AJR** 1984 May; 142(5):1069-74

The cryptophthalmos syndrome. Levine RS, et al. **AJR** 1984 Aug;143(2):375-6

Genetics of acheiropodia ('The handless and footless families of Brazil'): X. Roentgenologic study. Freire-Maia A, et al. **Am J Med Genet** 1978;2(4):321-30

Scapuloiliac dysostosis. Blane CE, et al. **Br J Radiol** 1984 Jun;57(678):526-8

Absent tibiae, triphalangeal thumbs and polydactyly: description of a family and prenatal diagnosis. Canún S, et al. **Clin Genet** 1984 Feb;25(2):182-6

Agenesis of bilateral iliac bone. A case report. Saka K, et al. **Clin Orthop** 1984 Jan-Feb;(182):190-2

Congenital paraxial hemicorpectomy. A case report. Thomas BJ, et al. **Clin Orthop** 1984 May;(185):109-11

Three-dimensional reconstruction of craniofacial deformity using computed tomography. Hemmy DC, et al. **Neurosurgery** 1983 Nov;13(5):534-41

Roentgenologic findings of the hydrolethalus syndrome. Herva R, et al. **Pediatr Radiol** 1984;14(1):41-3

Roentgenologic features of the Meckel syndrome. Seppänen U, et al. **Pediatr Radiol** 1983;13(6):329-31

Anomalies of the systemic venous return. Tuma S, et al. *Pediatr Radiol 1977;5(4):193-7*

[Osteochondritis of the hip and the tricho-rhino-phalangeal syndrome] Le Saout J, et al. **Ann Chir** 1984 Jun; 38(5):357-62 (Eng. Abstr.) **(Fre)**

[A median craniofacial malformation: schizoprosopia. Apropos of 4 cases] Jaouen H, et al. **Ann Otolaryngol Chir Cervicofac** 1984;101(4):267-75 (Eng. Abstr.) **(Fre)**

[Greig's syndrome. Neonatal radiologic manifestations] Merlob P, et al. **J Radiol** 1984 Mar;65(3):187-9 (Eng. Abstr.) **(Fre)**

[Tetralogy of Fallot with congenital absence of a pulmonary artery. Apropos of 4 cases] Laborde F, et al. **Sem Hop Paris** 1983 Dec 1;59(44):3043-6 (Eng. Abstr.) **(Fre)**

[Sympodia--the caudal regression syndrome] Covi B, et al. **Padiatr Padol** 1984;19(3):311-6 (Eng. Abstr.) **(Ger)**

[Crossed dystopia of the kidney and an ectopic ureteral orifice] Schmeller NT, et al. **Urologe [Ausg A]** 1984 Jul; 23(4):238-9 (Eng. Abstr.) **(Ger)**

[Epilepsy caused by vascular insufficiency as a result of a malformation in a child] Maiuri F, et al. **Riv Neurol** 1983 May-Jun;53(3):186-92 (Eng. Abstr.) **(Ita)**

[A case of multiple abnormalities] Mielecki T, et al. **Pol Przegl Radiol (Warszawa)** 1983 Jan-Feb;47(1):79-83 (Eng. Abstr.) **(Pol)**

[Radiodiagnosis of yataghan syndrome] Dynnik IB, et al. **Vestn Rentgenol Radiol** 1983 Jul-Aug;(4):30-5 (Eng. Abstr.) **(Rus)**

SURGERY

Management of the newborn with gastrointestinal anomalies and tracheoesophageal fistula. Mollitt DL, et al. **Am J Surg** 1983 Dec;146(6):792-5

Neonatal septum transversum diaphragmatic defects. Wesselhoeft CW Jr, et al. **Am J Surg** 1984 Apr;147(4):481-5

Poland's syndrome: improved surgical management. Urschel HC Jr, et al. **Ann Thorac Surg** 1984 Mar;37(3):204-11

Craniovertebral junction abnormalities. Vangilder JC, et al. **Clin Neurosurg** 1983;30:514-30

Laryngotracheoesophageal cleft in a newborn infant. Kauten JR, et al. **Curr Surg** 1984 Mar-Apr;41(2):101-4

Breast construction in Poland's syndrome. Case report. Eriksson E. **Handchir Mikrochir Plast Chir** 1983 Sep; 15(3):152-3

Aphalangia, adactylia, anterior cavus, and limb length inequality. A case report. Dabdoub W, et al. **J Am Podiatry Assoc** 1983 Sep;73(9):441-7

Treatment of monodactyly by the distraction-lengthening principle: a case report. Baruch AD, et al. **J Hand Surg** 1983 Sep;8(5 Pt 1):604-6

Tubular duplication of the rectum treated by mucosal resection. Cooksey G, et al. **J Pediatr Surg** 1984 Jun; 19(3):318-9

Congenital scalp defect with distal limb anomalies: brachydactyly and hypoplastic toes. Hidalgo JE, et al. **Plast Reconstr Surg** 1983 Nov;72(5):708-12

Alterations in head shape as a consequence of fetal head constraint. Graham JM Jr. **Semin Perinatol** 1983 Oct; 7(4):257-69

[Hand deformities in Freeman-Sheldon syndrome and their surgical treatment] Martini AK, et al. **Z Orthop** 1983 Sep-Oct;121(5):623-9 (Eng. Abstr.) **(Ger)**

[Surgical treatment for cardiac anomalies with visceroatrial heterotaxic syndrome] Takanashi Y, et al. **Rinsho Kyobu Geka** 1984 May;4(3):317-23 (Eng. Abstr.) **(Jpn)**

[Ureteral multiplicity. Review of case records] Fawaz B, et al. **An Esp Pediatr** 1984 Apr 15;20(6):609-14 (Eng. Abstr.) **(Spa)**

THERAPY

Issues associated with treatment and nontreatment decisions. Special reference to newborns with handicaps. Weil WB Jr. **Am J Dis Child** 1984 Jun;138(6):519-22

Perinatal intensive care: where and how to draw the line. Milligan JE, et al. **Am J Obstet Gynecol** 1984 Mar 1; 148(5):499-503

The case of Baby Jane Doe: child abuse or unlawful Federal intervention? Annas GJ. **Am J Public Health** 1984 Jul; 74(7):727-9

Denture fabrication for a child with multiple maxillary anomalies. Haney CA, et al. **ASDC J Dent Child** 1984 Jan-Feb;51(1):39-41

Ethics committees for infants doe? Fleischman AR, et al. **Hastings Cent Rep** 1983 Dec;13(6):5-9

A 'Baby Doe' call and its consequences. **Hospitals** 1984 Jun 1;58(11):67-73

Baby Jane Doe: questions and quagmires [editorial] McGoldrick KE. **J Am Med Wom Assoc** 1984 May-Jun; 39(3):67, 71

Joint policy statement. Principles of treatment of disabled infants. **Pediatrics** 1984 Apr;73(4):559-60

Treatment of disabled infants. Healy A. **Pediatrics** 1984 Apr; 73(4):563-4

The 'Baby Doe' rule: is it all bad? Johnson DE, et al. **Pediatrics** 1984 May;73(5):729-30

VETERINARY

An extra atrioventricular node in an anomalous heart of a calf. van Nie CJ. **Acta Morphol Neerl Scand** 1983 Sep; 21(3):225-8

Schistocoelia in a twin foal. Addo PB, et al. **Equine Vet J** 1984 Jan;16(1):69-71

Microphthalmia, retinal dysplasia, and anterior segment dysgenesis in a litter of Doberman Pinschers. Peiffer RL Jr, et al. **J Am Vet Med Assoc** 1983 Oct 15;183(8):875-8

Congenital ocular defects in a crossbred beef herd. Rupp GP, et al. **J Am Vet Med Assoc** 1984 May 1;184(9):1149-50

Ocular, naso-maxillary, and neural anomalies in raccoons, Procyon lotor (L.). Render JA, et al. **J Wildl Dis** 1983 Jul;19(3):234-43

Spontaneous malformations in JW-NIBS rabbits. Matsubara Y, et al. **Jikken Dobutsu** 1984 Apr;33(2):227-32

Multiple visceral congenital anomalies in a calf. Prieur DJ, et al. **Vet Pathol** 1984 Jul;21(4):452-4

Autosomal trisomy in a calf. Long SE. **Vet Rec** 1984 Jul 7;115(1):16-7

Teratological examination of the insecticide methylparathion (Wofatox 50 EC) on pheasant embryos. I. Morphological study. Várnagy L, et al. **Vet Res Commun** 1984 May; 8(2):131-9

[A cow with an extremely prolonged gestation period] Matthijsen HF, et al. **Tijdschr Diergeneeskd** 1983 Nov 1; 108(21):829-30 (Eng. Abstr.) **(Dut)**

[Testicular hypoplasia (lack of spermatogonia) and left-sided epididymai aplasia in a tricolored male cat with 39/xxy karyotype] König H, et al. **DTW** 1983 Sep 8;90(9):341-3 (Eng. Abstr.) **(Ger)**

ABNORMALITIES, RADIATION-INDUCED

Effects of pre-implantation low-dose radiation on rat embryos. Roux C, et al. **Health Phys** 1983 Nov;45(5):993-9

Human radiation effect: an overview. Sagan LA. **Health Phys** 1971 Dec;21(6):827-33 (54 ref.)

Factors in manifestation of developmental abnormalities of the central nervous system by environmental agents. Kameyama Y. **J Toxicol Sci** 1983 May;8(2):91-103

Studies of the teratogenic potential of exposure of rats to 6000-MHz microwave radiation. II. Postnatal psychophysiologic evaluations. Jensh RP. **Radiat Res** 1984 Feb;97(2):282-301

Studies of the teratogenic potential of exposure of rats to 6000-MHz microwave radiation. I. Morphologic analysis at term. Jensh RP. **Radiat Res** 1984 Feb;97(2):272-81

ETIOLOGY

Dental root agenesis secondary to irradiation therapy in a case of rhabdomyosarcoma of the middle ear. Dury DC, et al. **Oral Surg** 1984 Jun;57(6):595-9

OCCURRENCE

Special susceptibility of children to radiation effects. **Pediatrics** 1983 Dec;72(6):890

PATHOLOGY

Cerebral malformation induced by prenatal X-irradiation: an autoradiographic and Golgi study. Ferrer I, et al. **J Anat** 1984 Jan;138 (Pt 1):81-93

PHYSIOPATHOLOGY

Induction of congenital malformations in the offspring of male mice treated with X-rays at pre-meiotic and post-meiotic stages. Kirk KM, et al. **Mutat Res** 1984 Jan; 125(1):75-85

Potentiating effects of caffeine on teratogenicity of alkylating agents in mice. Fujii T, et al. **Teratology** 1983 Aug; 28(1):29-33

PREVENTION & CONTROL

Dose levels outside radiotherapy beams [letter] Hudson FR, et al. **Br J Radiol** 1984 Mar;57(675):274-5

VETERINARY

Temperature gradients in the microwave-irradiated egg: implications for avian teratogenesis. Clarke RL, et al. **J Microwave Power** 1983 Jun;18(2):169-80

ABO BLOOD-GROUP SYSTEM

Immunohematology problem. Beck SJ, et al. **Am J Med Technol** 1983 Jul;49(7):519-21

Xeroderma pigmentosum in Egypt. III. ABO blood grouping in 22 affected families. German J, et al.

Ann Hum Genet 1984 Jan;48 (Pt 1):61–4

Action of drugs on the aggregation and deformability of red cells: effect of ABO blood groups. Dintenfass L. **Ann NY Acad Sci** 1983;416:611–32 (47 ref.)

Tissue specificity of glycosphingolipids as expressed in pancreas and small intestine of blood group A and B human individuals. Breimer ME. **Arch Biochem Biophys** 1984 Jan; 228(1):71–85

Structures of oligosaccharides cleaved by base-borohydride from an I, H and Lea active ovarian cyst glycoprotein. Tanaka M, et al. **Biochim Biophys Acta** 1984 Apr 10; 798(2):283–90

Transplantation of ABH incompatible bone marrow: gravity sedimentation of donor marrow. Ho WG, et al. **Br J Haematol** 1984 May;57(1):155–62

Mechanisms of action of intravesical treatment. Effect on the ABH surface antigens of urothelial cells. Jakse G, et al. **Cancer Chemother Pharmacol** 1983;11 Suppl:S74–8

Characterization of an epitope (determinant) structure in a developmentally regulated glycolipid antigen defined by a cold agglutinin FI, recognition of alpha-sialosyl and alpha-L-fucosyl groups in a branched structure. Kannagi R, et al. **Carbohydr Res** 1983 Aug 16;120:143–57

Shedding of histocompatibility and blood group antigenic determinants from human epithelial cells and fibroblasts in culture. Plesser YM, et al. **Cell Mol Biol** 1983; 29(3):227–36

What causes neonatal jaundice in Harare? Waterston AJ, et al. **Cent Afr J Med** 1983 May;29(5):104–8

Histocompatibility antigen loss in gastric carcinoma cells and its significance. Li Z, et al. **Chin Med J [Engl]** 1983 Oct; 96(10):759–64

ABO blood group and late schistosomiasis japonica. Wang CG, et al. **Chin Med J [Engl]** 1983 May;96(5):370

HLA and ABO antigens in malignant choroidal melanoma. Völker-Dieben HJ, et al. **Clin Exp Immunol** 1983 Sep; 53(3):581–8

Distribution of ABO blood groups in secretory otitis media and cholesteatoma. Mortensen EH, et al. **Clin Otolaryngol** 1983 Aug;8(4):263–5

Secretor status of donors in Dar es Salaam. Kiango JS, et al. **East Afr Med J** 1983 Mar;60(3):179–80

Fucosyltransferase activities in human lymphocytes and granulocytes. Blood group H-gene-specified alpha-2-L-fucosyltransferase is a discriminatory marker of peripheral blood lymphocytes. Greenwell P, et al. **FEBS Lett** 1983 Dec 12;164(2):314–7

Structures of fucose-containing ceramide pentasaccharides from the plasma of blood group O Le(a-b-) nonsecretors. Pfannschmidt G, et al. **FEBS Lett** 1984 Aug 20; 174(1):55–60

Distribution of blood group antigens and CA 19-9 in gastric cancers and non-neoplastic gastric mucosa. Hirohashi S, et al. **Gann** 1984 Jun;75(6):540–7

Study of A, B and H antigens in female genital tract malignancy. Bhojwani N, et al. **Indian J Pathol Microbiol** 1983 Oct;26(4):225–8

Detection of blood group isoantigens A B and H in benign and malignant tumors of breast. Sharma SM, et al. **Indian J Pathol Microbiol** 1983 Jul;26(3):177–80

Serum lipids and ABO blood groups in cord blood of neonates. Mehta MN, et al. **Indian J Pediatr** 1984 Jan-Feb; 51(408):39–43

Distribution of blood groups of the ABO system in patients with urolithiasis. Różański W, et al. **Int Urol Nephrol** 1983; 15(4):303–7

Viral hepatitis and ABO blood groups. Pal AK. **J Assoc Physicians India** 1984 Apr;32(4):342–3

Immunochemical studies on blood groups. Purification and characterization of radioactive 3H-reduced di- to hexasaccharides produced by alkaline beta-elimination-borohydride 3H reduction of Smith degraded blood group A active glycoproteins. Wu AM, et al. **J Biol Chem** 1984 Jun 10;259(11):7178–86

Detection of blood group A-like substance in bacterial and viral vaccines by countercurrent immunoelectrophoresis using Helix pomatia lectin. Oravec LS, et al. **J Biol Stand** 1984;12(2):159–66

ABO blood group and serum lipids in female atherosclerosis. Cronenwett JL, et al. **J Cardiovasc Surg (Torino)** 1983 Nov-Dec;24(6):658–61

Blood groups and giardiasis. Makled MK, et al. **J Egypt Soc Parasitol** 1983 Jun;13(1):219–22

The effect of Tween 20 on indirect immunoperoxidase staining of blood group antigen A in human urothelium. Juhl BR, et al. **J Histochem Cytochem** 1984 Sep; 32(9):935–41

Giardiasis and ABO blood groups. Giboda M, et al. **J Hyg Epidemiol Microbiol Immunol** 1983;27(4):461–4

Affective disorders and ABO blood groups: new data and a reanalysis of the literature using the logistic transformation of proportions. Lavori PW, et al. **J Psychiatr Res** 1984;18(2):119–29

Antibody-dependent cellular cytotoxicity (ADCC) in colorectal carcinoma. II. Blood group association. Jones SL, et al. **J Surg Oncol** 1983 Nov;24(3):229–32

Identification of vessels by lectin-immunoperoxidase staining of endothelium: possible applications in urogenital malignancies. Fujime M, et al. **J Urol** 1984 Mar; 131(3):566–70

Enzymatic determination of fetal ABH(O) blood type [letter] Ogita S, et al. **Lancet** 1984 Jun 16;1(8390):1358

Blood groups in recurrent giardiasis [letter] Sotto A, et al. **Lancet** 1983 Dec 3;2(8362):1312–3

Reproducibility of the red-cell-adherence test: technical and practical considerations. Misna J, et al. **Mt Sinai J Med (NY)** 1984 Apr;51(2):203–6

Blood group and socio-economic class [letter] **Nature** 1984 May 31-Jun 6;309(5967):395–9

Phototherapy in full-term infants with hemolytic disease secondary to ABO incompatibility. Osborn LM, et al. **Pediatrics** 1984 Sep;74(3):371–4

Fetomaternal blood group incompatibility studies in placental intervillous thrombosis. Batcup G, et al. **Placenta** 1983;4 Spec No:449–53

Role of the blood bank in bone marrow transplantation. McCullough J, et al. **Prog Clin Biol Res** 1984;149:379–412

Tissue blood group ABH and Thomsen-Friedenreich antigens in human urinary bladder carcinoma. Weinstein RS, et al. **Prog Clin Biol Res** 1984;153:249–60 (41 ref.)

Blood group pattern in a Nigerian diabetic population. Abu-Bakare A, et al. **Public Health** 1983 Sep;97(5):264–6

Transfusion reactions in cats due to AB blood group incompatibility. Auer L, et al. **Res Vet Sci** 1983 Sep; 35(2):145–52

Acquired B antigen: further studies using synthetic oligosaccharides. Rahuel C, et al. **Rev Fr Transfus Immunohematol** 1983 Sep;26(4):347–58

Rapid peroxidase-antiperoxidase method for determination of ABH tissue isoantigens. Gavris V, et al. **Stain Technol** 1983 Mar;58(2):114–7

Factor VIII levels and blood group antigens [letter] McCallum CJ, et al. **Thromb Haemost** 1983 Oct 31; 50(3):757

Serological distinction of A antigen between red blood cells and saliva in blood grouping of blood and body fluid stains. Sagisaka K, et al. **Tohoku J Exp Med** 1984 Feb; 142(2):119–23

A simple method to detect AB antigen in blood grouping of body fluid stains. Sagisaka K, et al. **Tohoku J Exp Med** 1983 Oct;141(2):237–9

A B O (H) blood group antigen determination in genitourinary neoplasms. Ghazizadeh M, et al. **Tokushima J Exp Med** 1983 Jun;30(1-2):9–16

Filariasis and ABO blood group status: a critical appraisal [letter] Gyorkos TW, et al. **Trans R Soc Trop Med Hyg** 1983;77(4):564–5

Effect of alpha-galactosidase treatment on in vivo survival rates of rabbit erythrocytes [letter] Lenny LL, et al. **Transfusion** 1984 Jan-Feb;24(1):87–8

Immunoperoxidase versus specific red cell adherence in detection of ABO(H) antigens on normal urothelium. Double-blind study. McAlpine RG, et al. **Urology** 1984 Aug;24(2):153–6

Blood-group-specific haemagglutinins in seed extracts. Renkonen KO. **Vox Sang** 1983;45(5):397

Determination of ABO(H) blood group substances from finger and toe nails. Garg RK. **Z Rechtsmed** 1983;91(1):17–9

[Blood group affiliation of patients with duodenal ulcer] Stanchev IN. **Vutr Boles** 1984;23(2):47–51 (Eng. Abstr.) **(Bul)**

[Influence of ABO group erythrocytes on the growth of Plasmodium falciparum in continuous cultivation in vitro] Huang JZ, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1983;1(3):141–3 (Eng. Abstr.) **(Chi)**

[Treatment and prevention of ABO incompatibility during pregnancy with combined traditional Chinese medicine and western medicine and its effect on fetus and newborn] Li ET. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Mar;4(3):137–8 (Eng. Abstr.) **(Chi)**

[ABO(H) cell surface antigens in carcinoma of urinary bladder: its correlation with grade, stage and clinical course] Dong SG. **Chung Hua Wai Ko Tsa Chih** 1983 Sep; 21(9):513–6 (Eng. Abstr.) **(Chi)**

[Immunologic study in bone marrow transplantation. Results of the analysis of 3 cases] Májský A, et al. **Vnitr Lek** 1984 Feb;30(2):105–15 (Eng. Abstr.) **(Cze)**

[Blood groups ABO, RHo(D) factor and the life expectancy of patients with malignant tumors] Pejchl S, et al. **Vnitr Lek** 1984 Apr;30(4):351–5 (Eng. Abstr.) **(Cze)**

[Determination of blood group substances in fingerprints] Simeoni E, et al. **Beitr Gerichtl Med** 1984;42:273–80 (Eng. Abstr.) **(Ger)**

[Comparative studies of blood and body tissue for definite ABO determination in putrefaction] Tutsch-Bauer E, et al. **Beitr Gerichtl Med** 1983;41:199–201 (Eng. Abstr.) **(Ger)**

[Microbial contamination of ABO antigens in bone tissue] Hauser R, et al. **Z Rechtsmed** 1984;92(3):189–97 (Eng. Abstr.) **(Ger)**

[A case report of anaphylactoid reactions due to common ABO, Rh type blood transfusion during surgery] Omote T, et al. **Masui** 1983 Dec;32(12):1529–33 (Eng. Abstr.) **(Jpn)**

[Acute myeloblastic leukemia with transient loss of A and H antigens of the red blood cells—a case report] Asai T, et al. **Rinsho Ketsueki** 1983 Jul;24(7):881–6 (Eng. Abstr.) **(Jpn)**

[Distribution of ABO blood groups in women with multiple primary neoplasms - cancer of the breast and cervix uteri] Pawelczyk Z. **Wiad Lek** 1983 Sep 15;36(18):1515–8 (Eng. Abstr.) **(Pol)**

[Study of hard-to-determine blood groups and poorly manifest Rh factor Du] Generalova RV, et al. **Lab Delo** 1984;(1):16–9 (Eng. Abstr.) **(Rus)**

[Clinical and treatment characteristics of strongyloidiasis depending on the ABO(H) system of patient blood groups] Tikhomirova EP, et al. **Med Parazitol (Mosk)** 1983 Sep-Oct;(5):22–6 (Eng. Abstr.) **(Rus)**

[ABO blood groups as a risk factor in ischemic heart disease and arterial hypertension in various ethnic populations] Rafalovich MB, et al. **Ter Arkh** 1984;56(1):72–6 (Eng. Abstr.) **(Rus)**

[The genetics of ulcer diseases. Problems and perspectives] Lazarević M. **Srp Arh Celok Lek** 1983 Feb;111(2):207–15 **(Sec)**

[ABO and Rh(D) blood groups in populations of the Lagunera region of Mexico (calculation of the incidence of single and double incompatibility between spouses and maternofetal incompatibility)] Garza Chapa R, et al. **Salud Publica Mex** 1984 Mar-Apr;26(2):130–7 (Eng. Abstr.) **(Spa)**

ANALYSIS

Immunohistochemical localization of Y hapten and the structurally related H type-2 blood-group antigen on large-bowel tumours and normal adult tissues. Brown A, et al. **Int J Cancer** 1984 Jun 15;33(6):727–36

ABH antigens in vascular endothelium and some epithelial tissues of baboons. Oriol R, et al. **Lab Invest** 1984 May; 50(5):514–8

GENETICS

Blood groups, serum proteins and enzymes in patients with carcinoma of the prostate. Turowska B, et al. **Acta Med Pol** 1982;23(1-2):105–12

ABO blood groups in obsessional illness—state and trait. McKeon JP, et al. **Acta Psychiatr Scand** 1982 Jan;65(1):74–8

ABO incompatibility and reproductive failure. I. Prenatal selection. Schaap T, et al. **Am J Hum Genet** 1984 Jan; 36(1):143–51

The existence of atypical blood group galactosyltransferase which causes an expression of A2 character in A1B red blood cells. Yoshida A. **Am J Hum Genet** 1983 Nov; 35(6):1117–25

ABO blood typing of human skeletal remains in Hungary. Lengyel I. **Am J Phys Anthropol** 1984 Mar;63(3):283–90

Lewis phenotypes and secretor character in the 'Castilla la Nueva'-region (Spain). ABH and Lewis antigen levels in salivary secretion. Calderón R, et al. **Anthropol Anz** 1984 Mar;42(1):31–9

Serologic and biochemical studies of a previously unclassified blood type B variant. Wheeler DA, et al. **Blood** 1984 Mar; 63(3):711–3

ABO blood groups and infections with human malarial parasites in vivo and in vitro. Osisanya JO. **East Afr Med J** 1983 Sep;60(9):616–21

Genetic study of Tunisian Berbers. I. Gm, Am and Km immunoglobulin allotypes and ABO blood groups. Chaabani H, et al. **J Immunogenet** 1984 Apr;11(2):107–13

Immunochemical properties of human plasma alpha 1 leads to 2 fucosyltransferase specified by blood group H-gene. Yazawa S, et al. **J Immunogenet** 1983 Oct;10(5):349–60

ABO blood group frequency of North East India. Sengupta S. **J Indian Med Assoc** 1983 May;80(9-10):137–9

Bm: report of a family with review of literature. Kishida T, et al. **Nippon Hoigaku Zasshi** 1983 Aug;37(4):356–61

Weak B3 antigen in a family [letter] Simic S. **Rev Fr Transfus Immunohematol** 1983 Dec;26(6):625–6

Genetic distances for ABO and Rh(D) blood groups in the state of Nuevo León, Mexico. Garza-Chapa R. **Soc Biol** 1983 Spring;30(1):24–31

Variant of type B blood in an El Salvador family. Expression of a variant B gene enhanced by the presence of an A2 gene. Feng CS, et al. **Transfusion** 1984 May-Jun; 24(3):264–6

Identification of A1B and A2B blood types in paternity tests [letter] Yoshida A. **Transfusion** 1984 Mar-Apr;24(2):183–4

Effect of ABO group, secretor status and sex on cold hemagglutinins in normal adults. Dube VE, et al. **Vox Sang** 1984;46(2):75–9

Competition between ABO and Le gene specified enzymes. I. A Lewis related difference in the amount of A antigen in saliva of A1 and A2 secretors. Le Pendu J, et al. **Vox Sang** 1983;45(5):349–58

Competition between ABO and Le gene specified enzymes. II. Quantitative analysis of A and B antigens in saliva of ABH nonsecretors. Le Pendu J, et al. **Vox Sang** 1983; 45(6):421–5

A case of polyagglutination. De Leo D, et al. **Z Rechtsmed** 1983;90(2):147–52

[A new case of deficient H phenotype in a secretor] Mannessier L. **Rev Fr Transfus Immunohematol** 1983 Nov; 26(5):481–5 (Eng. Abstr.) **(Fre)**

[Secretor property in fresh and decayed cadavers] Lötterle J, et al. **Beitr Gerichtl Med** 1984;42:251–5 (Eng. Abstr.) **(Ger)**

[A new variant of blood group B] Hajek-Rosenmayr A, et al. **Wien Klin Wochenschr** 1983 Sep 30;95(18):646–9 (Eng. Abstr.) **(Ger)**

[Gene frequencies of ABO, MN, PGM1 and PGD types detected in the frozen blood clots from the school pupils in Chiang Mai, Thailand] Tomita Y. **Nippon Hoigaku Zasshi** 1983 Jun;37(3):149–55 (Eng. Abstr.)

(Jpn)

[Distribution of ABO and RH blood-group systems, with special reference to the study of the DU antigen in Santo André, S.P.] Barretto OC, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1983 Jun;38(3):111–4 (Eng. Abstr.) (Por)

[Ratio of the phenotype frequencies of ABO blood groups in Nivkhi in various age groups] Bakholdina VIu. **Biol Nauki** 1983;(7):51–3 (Eng. Abstr.) (Rus)

[A population-genetics approach to the problem of nonspecific biological resistance of the human body. III. The ABO and rhesus blood group systems of healthy and sick children and their mothers] Kurbatova OL, et al. **Genetika (Moskva)** 1984 Apr;20(4):691–701 (Eng. Abstr.) (Rus)

[Frequencies of ABO system blood groups and haptoglobins in Uzbekistan. The problems of sampling studies] Revazov AA, et al. **Genetika (Moskva)** 1983 Jul;19(7):1193–7 (Eng. Abstr.) (Rus)

[Deficit of erythrocyte antigens as a cause of pathology. IV. Weak ABO phenotypes. Ax and Bx phenotypes] Gómez Casal F, et al. **Rev Clin Esp** 1983 Dec 31;171(6):441–2 (Spa)

[Segregation anomalies of the ABO blood-group system associated with the Rh system. Interpretation of the SAN effect] Valenzuela CY, et al. **Rev Med Chil** 1984 Mar; 112(3):213–7 (Eng. Abstr.) (Spa)

IMMUNOLOGY

Estimation of the number of females at risk of isoimmunization to the Rho (D) antigen in a sample of the population attended at the Instituto Mexicano del Seguro Social. Zavala C, et al. **Arch Invest Med (Mex)** 1983 Apr-Jun;14(2):199–206 (Eng, Spa)

Human blood group A-like determinants as marker of the intracellular pools of glycoproteins in secretory and absorbing of A+ rabbit jejunum. Bernadac A, et al. **Biol Cell** 1984;50(1):31–6

Monoclonal antibody reactive with the human epidermal-growth-factor receptor recognizes the blood-group-A antigen. Gooi HC, et al. **Biosci Rep** 1983 Nov;3(11):1045–52

Development of 'auto-anti-A1 antibodies' following alloimmunization in an A2 recipient. Contreras M, et al. **Br J Haematol** 1983 Dec;55(4):657–63

Development of 'auto anti-A1 antibodies' following alloimmunization in an A2 recipient [letter] Mangal AK, et al. **Br J Haematol** 1984 Aug;57(4):714–6

Destruction of IgG anti-A sensitized erythrocytes by mononuclear leucocytes from normal and ABO haemolytic disease affected infants. Romano EL, et al. **Clin Exp Immunol** 1984 Feb;55(2):451–8

The production of human A and B blood group like substances by in vitro maintained second stage Toxocara canis larvae: their presence on the outer larval surfaces and in their excretions/secretions. Smith HV, et al. **Clin Exp Immunol** 1983 Dec;54(3):625–33

Blood group substances, T6 antigen and heterochromatin pattern as species markers in the nude mouse/human skin model. Graem N, et al. **Exp Cell Biol** 1984;52(4):251–9

An anti-B lectin from Zea mays everta. Prodanov P, et al. **Folia Haematol (Leipz)** 1984;111(1):84–5

Aberrent group B reactions detected in mixtures of semen and vaginal secretions possibly due to acquired B. Davies A, et al. **Forensic Sci Int** 1984 Jul;25(3):201–8

Blood group H(O) antigen in normal, dysplastic and carcinomatous esophageal epithelium. Sato E, et al. **Gann** 1984 Mar;75(3):223–9

The spectrum of transfusion reactions. Berkman SA. **Hosp Pract [Off]** 1984 Jun;19(6):205–8, 210–2, 217–9

Immunohistochemical localization of Y hapten and the structurally related H type-2 blood-group antigen on large-bowel tumours and normal adult tissues. Brown A, et al. **Int J Cancer** 1984 Jun 15;33(6):727–36

ABO blood groups and susceptibility to gonococcal infection. III. Role of isohemagglutinins in increased association of Neisseria gonorrhoeae to monocytes from blood group B individuals. Kinane DF, et al. **J Clin Lab Immunol** 1983 Oct;12(2):83–6

The antibody specific to type 1 chain blood group A determinant. Abe K, et al. **J Immunol** 1984 Apr; 132(4):1951–4

Pattern of distribution of blood group antigens on human epidermal cells during maturation. Dabelsteen E, et al. **J Invest Dermatol** 1984 Jan;82(1):13–7

ABO (H) cell surface antigens in benign and malignant parotid neoplasms. Woltering EA, et al. **J Surg Oncol** 1983 Nov;24(3):177–9

ABH cell surface isoantigens in invasive bladder carcinoma associated with schistosomiasis. El Adl MM, et al. **J Urol** 1984 Feb;131(2):249–51

ABO (H) blood group antigens and carcinoembryonic antigens as indicators of malignant potential in patients with transitional cell carcinoma of the bladder. Nakatsu H, et al. **J Urol** 1984 Feb;131(2):252–7

ABO(H) isoantigens in bladder tumors: a new technique of quantitative analysis. Srinivas V, et al. **J Urol** 1984 Feb; 131(2):245–8

Distribution of blood group antigens A, B, H, and I(Ma) in mucus-producing adenocarcinoma of human lung. Hirohashi S, et al. **JNCI** 1984 Jun;72(6):1299–305

Anti-A and anti-B blood group antibody levels in relation to age in cynomolgus monkeys. Terao K, et al. **Jpn J Med Sci Biol** 1983 Oct;36(5):289–93

Acquired B antigen and polyagglutination in a patient with gastric cancer. Matsushita S, et al. **Jpn J Surg** 1983 Nov; 13(6):540–2

Maternofetal ABO antigenic dissimilarity and pre-eclampsia [letter] Hoff C, et al. **Lancet** 1984 Mar 31;1(8379):729–30

Automated blood grouping with Autogrouper 16C: inter-channel variations and the effect on detection of A2B with monoclonal anti-A. Hurd CM, et al. **Med Lab Sci** 1984 Jan;41(1):12–8

Comparison of the absorption of allo-anti-B by red cells and by a synthetic immunoadsorbent using the autoanalyzer. Adatia A, et al. **Rev Fr Transfus Immunohematol** 1983 Dec; 26(6):585–90

Protection against hemolysis in ABO mismatched renal transplantation. Mangal AK, et al. **Transfusion** 1984 Jul-Aug;24(4):363–4

Immunological characteristics and clinical significance of anti-H in the Ah phenotype. Whitsett CF, et al. **Transfusion** 1984 Mar-Apr;24(2):164–5

A, B and O(H) isoantigens in tumor of the urinary bladder. Preliminary results, relating the specific red cell adherence test to pathological grade and stage. Karlsen S, et al. **Urol Int** 1984;39(3):150–3

A, B, O(H) blood group antigen distribution in normal skin and squamous cell carcinoma of the penis. Ghazizadeh M, et al. **Urol Res** 1983;11(6):267–9

Direct immunofluorescence for ABH blood group isoantigens: use of FITC-conjugated lectins. Ghazizadeh M, et al. **Urology** 1983 Oct;22(4):381–4

Correlation of ABH antigenicity and urine cytology results in transitional cell carcinoma of bladder. Gorelick JI, et al. **Urology** 1984 Sep;24(3):287–90

Double blind comparison of T-antigen and ABO(H) cell surface antigens in bladder cancer. Vafier JA, et al. **Urology** 1984 Apr;23(4):348–51

Response to immunization with A and B human glycoproteins for the procurement of blood grouping reagents. Contreras M, et al. **Vox Sang** 1984;47(3):224–35

A new monoclonal anti-A. Culture supernatants with the performance of hyperimmune human reagents. Lowe AD, et al. **Vox Sang** 1984;46(1):29–35

Mouse monoclonal antibodies with anti-A, anti-B and anti-A,B specificities; some superior to human polyclonal ABO reagents. Messeter L, et al. **Vox Sang** 1984; 46(4):185–94

Studies on the binding of IgG and F(ab) anti-A to adult and newborn group A red cells. Romano EL, et al. **Vox Sang** 1983;45(5):378–83

The detection of A and B antigens on human hair by the absorption-elution technique using LISS and papain-treated test cells. Cortivo P, et al. **Z Rechtsmed** 1984;91(3):195–9

[Quantitative studies of the strength of ABH antigens in acute leukemia patients] Iankova-Kulova L. **Eksp Med Morfol** 1983;22(2):92–7 (Eng. Abstr.) (Bul)

[Neonatal jaundice in AB fetomaternal incompatibility (letter)] Delaporte B, et al. **Arch Fr Pediatr** 1984 Jan; 41(1):73–4 (Fre)

[Immunohematological study of 7 cases of acquired B transformation using anti-B and selected acquired anti-B] Janvier D, et al. **Rev Fr Transfus Immunohematol** 1983 Nov; 26(5):467–80 (Eng. Abstr.) (Fre)

[Incidence, laboratory diagnosis and serologic prediction of hemolytic disease of newborn infants due to ABO incompatibility] Schönitzer D, et al. **Padiatr Padol** 1984; 19(3):263–78 (Eng. Abstr.) (Ger)

[The specific erythrocyte adherence method in the study of ABH antigens on normal and neoplastic bladder epithelium] Ongaro G, et al. **Quad Sclavo Diagn** 1983 Jun; 19(2):242–61 (Eng. Abstr.) (Ita)

[Evaluation of cellular change to malignancy by tissue localization of blood group antigens, A, B, O(H) and carcino-fetal proteins (CEA, HCG)] Kodama S. **Nippon Gan Chiryo Gakkai Shi** 1983 Dec 20;18(8):1987–97 (Eng. Abstr.) (Jpn)

[Detection of blood-group antigens in the cancerous bladder tissues by the peroxidase-antiperoxidase method] Fujioka T. **Nippon Hinyokika Gakkai Zasshi** 1983 Mar;74(3):379–83 (Eng. Abstr.) (Jpn)

[ABH isoantigen of superficial urothelial tumor and carcinoma in situ of the bladder by the avidin-biotin peroxidase complex(ABC) method] Sasaki K. **Nippon Hinyokika Gakkai Zasshi** 1983 Aug;74(8):1326–38 (Eng. Abstr.) (Jpn)

[Studies on the purification of anti-A allohemagglutinin by affinity chromatography. (I) Comparative efficiency of several eluting methods] Ago K, et al. **Nippon Hoigaku Zasshi** 1984 Feb;38(1):49–58 (Eng. Abstr.) (Jpn)

[Synthesis of isohemagglutinins in cervical mucus by the immunogenic stimulation of seminal blood group substances] Murakuni M. **Nippon Hoigaku Zasshi** 1983 Jun; 37(3):184–93 (Eng. Abstr.) (Jpn)

[Allogeneic bone marrow transplantation from ABO incompatible donor] Harada M, et al. **Rinsho Ketsueki** 1984 Jan;25(1):45–51 (Eng. Abstr.) (Jpn)

[A case of aplastic anemia treated by allogeneic bone marrow transplantation using immunoadsorbent for major ABO incompatibility] Shinohara K, et al. **Rinsho Ketsueki** 1984 Apr;25(4):583–7 (Eng. Abstr.) (Jpn)

[Monoclonal antibodies to group-specific antigens of human erythrocytes] Lemeneva LN, et al. **Gematol Transfuziol** 1984 Feb;29(2):32–9 (Eng. Abstr.) (Rus)

[Dual nature of the effect of antibodies on electrophoretic mobility of erythrocytes] Levin VI, et al. **Gematol Transfuziol** 1983 Sep;28(9):29–32 (Eng. Abstr.) (Rus)

[Preparation of universal anti-Rh serum using fruglumin] Rakitianskaia AA, et al. **Gematol Transfuziol** 1984 Jun; 29(6):61–2 (Rus)

[Determination of agglutinins alpha and beta in pericardial and pleural fluids] Dzhalalov DD, et al. **Sud Med Ekspert** 1984 Apr-Jun;27(2):43–5 (Eng. Abstr.) (Rus)

[Detection of group-specific ABO system antigens in spermatozoids by an immunofluorescence method] Stegnova TV. **Sud Med Ekspert** 1983 Jul-Sep;26(3):26–8 (Eng. Abstr.) (Rus)

[Functional and structural changes in the surface of human erythrocytes after irradiation with UV rays of various wave lengths. I. The expression of ABO and rhesus system antigens] Samollova KA, et al. **Tsitologiia** 1983 Dec; 25(12):1378–86 (Eng. Abstr.) (Rus)

ABO FACTORS see **ABO BLOOD-GROUP SYSTEM**

ABOMASUM

Perforated abomasal ulcers in adult dairy cows. Palmer JE, et al. **J Am Vet Med Assoc** 1984 Jan 15;184(2):171–4

Bleeding abomasal ulcers in adult dairy cattle. Palmer JE, et al. **J Am Vet Med Assoc** 1983 Aug 15;183(4):448–51

Abomasal impaction in sheep. Kline EE, et al. **Vet Rec** 1983 Aug 20;113(8):177–9

Abomasal displacement in a changing husbandry and its treatment. Sutherland FR. **Vet Rec** 1984 Jul 14;115(2):33–5

[Abomasum dilatation in cattle] Oyaert W, et al. **Verh K Acad Geneeskd Belg** 1983;45(5):415–26 (Eng. Abstr.) (Dut)

[Electrolyte content in saliva, serum and rumen juice of healthy cattle and cattle with ingesta passage disorders caused by abomasal displacement] Lattmann J. **DTW** 1984 Apr 9;91(4):146–9 (Eng. Abstr.) (Ger)

[Respiratory activity of cows with abomasal displacement: effect of metabolic alkalosis] Vörös K, et al. **DTW** 1983 Nov 7;90(11):468–71 (Eng. Abstr.) (Ger)

[Pepsinogen activity in the serum and urine and pepsin activity in abomasal juice of cattle with healthy and nonparasitized abomasums] Vörös K, et al. **Zentralbl Veterinarmed** [A] 1984 Apr;31(3):182–92 (Eng. Abstr.) (Ger)

CYTOLOGY

Fine structure of developing gastric parietal cells in the bovine abomasum. Asari M, et al. **Res Vet Sci** 1984 Jan; 36(1):127–8

DRUG EFFECTS

Influence of prostaglandins on bovine abomasum: biosynthesis and in vitro motility experiments. Vandeplassche G, et al. **Prostaglandins Leukotrienes Med** 1984 Apr;14(1):15–24

Effect of cimetidine on abomasal pH and Haemonchus and Ostertagia species in sheep. Hall CA, et al. **Res Vet Sci** 1984 May;36(3):316–9

ENZYMOLOGY

Lysozyme, an abomasal enzyme in the ruminants. Pahud JJ, et al. **Ann Rech Vet** 1983;14(4):493–501

Effects of age and weaning on enzyme activities of abomasum and pancreas of the lamb. Guilloteau P, et al. **J Dairy Sci** 1983 Nov;66(11):2373–85

Enzyme potentialities of the abomasum and pancreas of the calf. I.—Effect of age in the preruminant. Guilloteau P, et al. **Reprod Nutr Dev** 1984;24(3):315–25

IMMUNOLOGY

Serum and abomasal antibody response of sheep to infections with Haemonchus contortus. Charley-Poulain J, et al. **Vet Parasitol** 1984 Mar;14(2):129–41

METABOLISM

Digestive lipolysis in the preruminant calf. The abomasal hydrolysis of butter oil, coconut oil, palm oil and tallow. Edwards-Webb JD. **J Sci Food Agric** 1983 Sep;34(9):930–6

MICROBIOLOGY

Acute abomasitis due to Clostridium septicum infection in experimental sheep. Ellis TM, et al. **Aust Vet J** 1983 Oct; 60(10):308–9

Abomasal trichostrongylidiasis of dairy cattle grazing irrigated pastures. Overend D. **Aust Vet J** 1984 Apr; 61(4):124–6

PARASITOLOGY

Comparison of saline incubation and pepsin digestion as methods for recovering Ostertagia circumcincta larvae from the abomasum of sheep. Jackson E, et al. **Res Vet Sci** 1984 May;36(3):380–1

Experimental and natural infection of calves with Bunostomum phlebotomum. Williams JC, et al. **Vet Parasitol** 1983 Oct;13(3):225–37

PATHOLOGY

The isolation and characterization of globule leucocytes: their derivation from mucosal mast cells in parasitized sheep. Huntley JF, et al. **Parasite Immunol** 1984 Jul;6(4):371–90

PHYSIOLOGY

Effects of level of dietary intake and physical form of protein supplement on the digestibilities of different dietary carbohydrates between mouth and abomasum of young steers. McAllan AB, et al. **Arch Tierernahr** 1983 Sep; 33(9):663–70

Abomasal emptying in sheep as related to the amount of protein entering the abomasum. Van Bruchem J, et al. **Br J Nutr** 1984 Jul;52(1):123–9

Effect of feed intake on digesta flow and myoelectric activity in the gastrointestinal tract of the preruminant calf. Sissons JW. **J Dairy Res** 1983 Nov;50(4):387–95

PHYSIOPATHOLOGY

Motility of the rumen and abomasum during hypocalcaemia. Daniel RC. **Can J Comp Med** 1983 Jul;47(3):276–80

Abomasal displacement and tympany in a nine-week-old calf. Dennis R. **Vet Rec** 1984 Mar 3;114(9):218–9

SURGERY

Umbilical hernia with abomasal–umbilical fistula in a calf. Fubini SL, et al. **J Am Vet Med Assoc** 1984 Jun 15; 184(12):1510–1

Displaced abomasums on a dairy farm in Hong Kong [letter] Kane P. **Vet Rec** 1983 Jul 23;113(4):96

Complications following the use of the closed suturing technique for correction of left abomasal displacement in cows. Rutgers LJ, et al. **Vet Rec** 1983 Sep 17;113(12):255–7

ULTRASTRUCTURE

Eight types of endocrine cells in the abomasum of sheep. Oomori Y. **Z Mikrosk Anat Forsch** 1983;97(3):369–85

ABORTIFACIENT AGENTS

Interruption of early pregnancy in the monkey with mestranol and 5-oxa-17-phenyl-18,19,20-trinor prostaglandin F1 alpha methyl ester. Wilks JW. **Biol Reprod** 1984 May;30(4):886–93

The termination of early pregnancy in the mouse by beta-monorcharin. Chan WY, et al. **Contraception** 1984 Jan;29(1):91–100

Cervical dilatation with 16,16-dimethyl-trans-delta 2-PGE1 methyl ester (Cervagem) prior to vacuum aspiration. A double-blind, placebo-controlled randomized study. Christensen NJ, et al. **Contraception** 1984 May;29(5):457–64

Termination of very early pregnancy by RU 486—an antiprogestational compound. Kovacs L, et al. **Contraception** 1984 May;29(5):399–410

Randomized comparison of prostaglandin treatment in hospital or at home with vacuum aspiration for termination of early pregnancy. Rosén AS, et al. **Contraception** 1984 May;29(5):423–35

Methods for the study of the experimental interruption of pregnancy by ornithine decarboxylase inhibitors: effects of DL-alpha-difluoromethylornithine. Fozard JR, et al. **Methods Enzymol** 1983;94:213–6

[The effects of an antiprogesterone steroid in women: interruption of the menstrual cycle and of early pregnancy. Supplementary note] Herrmann W, et al. **C R Seances Acad Sci [III]** 1983;296(13):591 **(Fre)**

ADMINISTRATION & DOSAGE

Preabortion cervical dilatation with a low-dose prostaglandin suppository. A comparison of two analogs. Lauersen NH, et al. **J Reprod Med** 1984 Feb;29(2):133–5

[Termination of early pregnancy by ONO-802 suppositories] Zhang CF. **Chung Hua Fu Chan Ko Tsa Chih** 1983 Jul; 18(3):150–3 (Eng. Abstr.) **(Chi)**

[Clinical use of RU 486: control of the menstrual cycle and effect on the hypophyseal-adrenal axis] Gaillard RC, et al. **Ann Endocrinol (Paris)** 1983;44(5):345–6 **(Fre)**

CHEMICAL SYNTHESIS

Synthesis and pregnancy terminating activity of 2-arylimidazo [2,1-a]isoquinolines and isoindoles. Toja E, et al. **Arzneimittelforsch** 1983;33(9):1222–5

[Synthesis of dl 17-phenyl-18,19,20-trinorprostaglandin F2 alpha methyl ester and its 15-epimer] Wu YL, et al. **Yao Hsueh Hsueh Pao** 1983 May;18(5):351–5 (Eng. Abstr.) **(Chi)**

METABOLISM

Absorption, excretion and tissue residue in feedlot heifers injected with the synthetic prostaglandin, fenprostalene. Tomlinson RV, et al. **J Anim Sci** 1984 Jul;59(1):164–9

Metabolic pathways of the contragestational agent, 3-(2-ethylphenyl)-5-(3-methoxyphenyl)-1H-1,2,4-triazol (DL 111-IT), in the rat. Assandri A, et al. **Xenobiotica** 1984 Jun;14(6):429–43

PHARMACODYNAMICS

Inhibition of 3-beta-hydroxy steroid dehydrogenase activity in first trimester human pregnancy with trilostane and WIN 32729. van der Spuy ZM, et al. **Clin Endocrinol (Oxf)** 1983 Oct;19(4):521–31

Antifertility & uterine activity of Plumbago rosea in rats. Lal R, et al. **Indian J Med Res** 1983 Aug;78:287–90

The in vitro effect of grandiflorenic acid and zoapatle aqueous crude extract upon spontaneous contractility of the rat uterus during oestrus cycle. Bejar E, et al. **J Ethnopharmacol** 1984 Jun;11(1):87–97

Steroidogenesis inhibitors. 1. Adrenal inhibitory and interceptive activity of trilostane and related compounds. Christiansen RG, et al. **J Med Chem** 1984 Jul;27(7):928–31

Effects of alpha-trichosanthin and alpha-momorcharin on the development of peri-implantation mouse embryos. Law LK, et al. **J Reprod Fertil** 1983 Nov;69(2):597–604

Viability of alpha-momorcharin-treated mouse blastocysts in the pseudopregnant uterus. Tam PP, et al. **J Reprod Fertil** 1984 Jul;71(2):567–72

Induced abortion with two prostaglandin F2 alpha analogues in mares: plasma progesterone changes. van Leeuwen W, et al. **Vet Q** 1983 Jul;5(3):97–100

[Changes in blood chorionic gonadotropin, progesterone levels and estradiol in midterm labor induced by rivanol] Liu FY. **Chung Hua Fu Chan Ko Tsa Chih** 1984 Apr; 19(2):114–5 (Eng. Abstr.) **(Chi)**

[Clinico-pathologic study on the action of yuanhuadine in mid-trimester abortion] Wang QW. **Chung Hua Fu Chan Ko Tsa Chih** 1983 Jul;18(3):154–6 (Eng. Abstr.) **(Chi)**

[Kinetic studies on prostaglandin concentrations in the amniotic fluid during rivanol-induced abortion] Zhou ZR, et al. **Yao Hsueh Hsueh Pao** 1983 Aug;18(8):569–71 (Eng. Abstr.) **(Chi)**

[Dinoprostone or sulprostone. Comparison of 2 analogs of prostaglandin for the interruption of pregnancy in the 2nd trimester] Bourrit B, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1984;13(1):87–90 (Eng. Abstr.) **(Fre)**

[Preoperative cervical dilatation in abortion during the 1st trimester with sulprostone] Schulz BO, et al. **Geburtshilfe Frauenheilkd** 1984 Mar;44(3):185–7 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

[Therapy of primary aldosteronism with trilostane] Winterberg B, et al. **Schweiz Med Wochenschr** 1983 Nov 19;113(46):1735–8 (Eng. Abstr.) **(Ger)**

TOXICITY

Two-phase teratology study with the synthetic prostaglandin ONO–802 given intravaginally to rats. Petrere JA, et al. **Teratogenesis Carcinog Mutagen** 1984;4(2):233–43

Teratology study with the synthetic prostaglandin ONO–802 given intravaginally to rabbits. Petrere JA, et al. **Teratogenesis Carcinog Mutagen** 1984;4(2):225–31

ABORTIFACIENT AGENTS, NON-STEROIDAL see under **ABORTIFACIENT AGENTS**

ABORTIFACIENT AGENTS, STEROIDAL see under **ABORTIFACIENT AGENTS**

ABORTION

[Ethical contradiction of the therapeutic use of aborted fetuses and modern medical interventions (letter)] **Orv Hetil** 1984 Apr 8;125(15):919–20 **(Hun)**

[Previous abortions exert favourable effects on the prognosis of breast cancer patients] Yoshimoto M, et al. **Gan No Rinsho** 1984 Jun;30(7):777–84 (Eng. Abstr.) **(Jpn)**

BLOOD

ABO incompatibility and reproductive failure. I. Prenatal selection. Schaap T, et al. **Am J Hum Genet** 1984 Jan; 36(1):143–51

Endocrinologic events in early pregnancy failure. Aspillaga MO, et al. **Am J Obstet Gynecol** 1983 Dec 15;147(8):903–8

Predictive value of hormone determinations in the first half of pregnancy. Gerhard I, et al. **Eur J Obstet Gynecol Reprod Biol** 1984 Apr;17(1):1–17

The effect of partusisten on uterine motility stimulated by blood serum from pregnant women with certain pathological manifestations. Lukanov J, et al. **Folia Med (Plovdiv)** 1983;25(3):25–9

Human chorionic gonadotropin in maternal plasma after induced abortion, spontaneous abortion, and removed ectopic pregnancy. Steier JA, et al. **Obstet Gynecol** 1984 Sep;64(3):391–4

The safety of fetoscopy: (II). Effect on maternal plasma levels of 13,14-dihydro-15-oxo-prostaglandin F2 alpha. Nicolaides KH, et al. **Prenat Diagn** 1983 Apr–Jun; 3(2):97–100

CHEMICALLY INDUCED

Lithium and pregnancy. A cohort study on manic-depressive women. Källén B, et al. **Acta Psychiatr Scand** 1983 Aug; 68(2):134–9

Polybrominated biphenyls and fetal mortality in Michigan. Humble CG, et al. **Am J Public Health** 1984 Oct; 74(10):1130–2

Exposure to solvents and outcome of pregnancy in university laboratory employees. Axelsson G, et al. **Br J Ind Med** 1984 Aug;41(3):305–12

Spontaneous abortions among dental assistants, factory workers, painters, and gardening workers: a follow up study. Heidam LZ. **J Epidemiol Community Health** 1984 Jun;38(2):149–55

More cautionary labeling appears on isotretinoin [news] Marwick C. **JAMA** 1984 Jun 22–29;251(24):3208–9

Reproductive performance among DES exposed daughters compared with that of their mothers. Kirkhope TG. **Ohio State Med J** 1983 Nov;79(11):867–9

Pregnancy outcome among women in a Swedish rubber plant. Axelson O, et al. **Scand J Work Environ Health** 1983; 9 Suppl 2:79–83

Spontaneous abortions among rubber workers and congenital malformations in their offspring. Lindbohm ML, et al. **Scand J Work Environ Health** 1983;9 Suppl 2:85–90

[Acute poisoning caused by inhalation of an aerosol spray used for waterproofing] Christensen KJ, et al. **Ugeskr Laeger** 1984 Jan 23;146(4):274–5 (Eng. Abstr.) **(Dan)**

[What do we know about occupational sterility, abortion, and fetal abnormalities?] Kringelbach M, et al. **Ugeskr Laeger** 1983 Oct 24;145(43):3348–51 **(Dan)**

[Use of a new synthetic prostaglandin (sulprostone) in the interruption of pregnancy after the first 90 days] Segre A, et al. **Minerva Ginecol** 1983 Oct;35(10):681–7 (Eng. Abstr.) **(Ita)**

[Clinico-experimental evaluation on the use of sulprostone, new PGE2 derivative. I. Interruption of pregnancy in the first trimester] Stoppelli I, et al. **Minerva Ginecol** 1983 Dec; 35(12):819–23 (Eng. Abstr.) **(Ita)**

[Clinico-experimental evaluation on the use of sulprostone, new PGE2 derivative. II. Interruption of pregnancy in the second trimester] Stoppelli I, et al. **Minerva Ginecol** 1983 Dec;35(12):825–8 (Eng. Abstr.) **(Ita)**

COMPLICATIONS

Interrupted pregnancy as an indicator of poor prognosis in T1, 2, N0, M0 primary breast cancer. Ownby HE, et al. **Breast Cancer Res Treat** 1983;3(4):339–44

Foetal cell leak (FCL) studies in spontaneous & induced abortion. Kulkarni RR, et al. **Indian J Med Res** 1983 Dec; 78:824–7

Evaluation of tubal patency in post-abortal infertile women. Roopnarinesingh S, et al. **West Indian Med J** 1983 Sep; 32(3):168–71

[Effect of abortion on premature labor] Bogdanov N, et al. **Akush Ginekol (Sofiia)** 1983;22(2):100–4 (Eng. Abstr.) **(Bul)**

[Effect of spontaneous abortion in the first pregnancy on the course of subsequent pregnancy, labor, puerperium and the state of the newborn infant] Lembrych S, et al. **Wiad Lek** 1984 Jan 15;37(2):122–7 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

Detection of subclinical abortion by assay of pregnancy specific beta 1 glycoprotein. Ahmed AG, et al. **Br Med J [Clin Res]** 1984 Jan 14;288(6411):113

Human chorionic gonadotrophin and pregnancy-specific beta-1-glycoprotein in predicting pregnancy outcome and in association with early pregnancy vomiting. Kauppila A, et al. **Gynecol Obstet Invest** 1984;18(1):49–53

DRUG THERAPY

On the treatment of early and late toxicoses in pregnancy and spontaneous abortion. Lukanov Y, et al. **Folia Med (Plovdiv)** 1983;25(4):50–3

[Hormonal treatment of spontaneous abortion] Katsulov A. **Akush Ginekol (Sofiia)** 1984;23(1):82–8 (32 ref.) **(Bul)**

ETIOLOGY

Parental occupational exposure and spontaneous abortions in Finland. Lindbohm ML, et al. **Am J Epidemiol** 1984 Sep;120(3):370–8

Discontinued use of intrauterine contraceptive device and pregnancy loss. Levin AA, et al. **Am J Obstet Gynecol** 1984 Aug 1;149(7):768–71

Fetal loss and work in a waste water treatment plant. Morgan RW, et al. **Am J Public Health** 1984 May;74(5):499–501

Listeriosis in mother and fetus during the first trimester of pregnancy. Case report. Pezeshkian R, et al. **Br J Obstet Gynaecol** 1984 Jan;91(1):85–6

Fertilization and early pregnancy loss in healthy women attempting conception. Smart YC, et al. **Clin Reprod Fertil** 1982 Sep;1(3):177–84

Recurrent spontaneous abortion. Poland BJ. **Eur J Obstet Gynecol Reprod Biol** 1984 Mar;16(6):369–75

Endometriosis and spontaneous abortion. Groll M. **Fertil Steril** 1984 Jun;41(6):933–5

Etiology of infertility in monkeys with endometriosis: luteinized unruptured follicles, luteal phase defects, pelvic adhesions, and spontaneous abortions. Schenken RS, et al. **Fertil Steril** 1984 Jan;41(1):122–30

Torches agents as possible causes of spontaneous abortion in Thai women. Tantivanich S, et al.

J Med Assoc Thai 1983 Aug;66(8):443–7
Pathogenesis of in utero infections with abortogenic and non-abortogenic alphaviruses in mice. Milner AR, et al. J Virol 1984 Apr;50(1):66–72
Possible herpesvirus role in abortion studied [news] Goldsmith MF. JAMA 1984 Jun 15;251(23):3067–8, 3070
Pregnancy outcome in diabetics with other endocrine disorders [letter] Cruickshanks KJ, et al. Lancet 1984 Mar 17;1(8377):629–30
Chorionic biopsy and miscarriage in first trimester [letter] Gustavii B. Lancet 1984 Mar 10;1(8376):562
Consequences of chorionic biopsy [letter] N Engl J Med 1984 Apr 26;310(17):1121
Lupus nephropathy and pregnancy. A study of 26 pregnancies in patients with systemic lupus erythematosus and nephritis. Imbasciati E, et al. Nephron 1984;36(1):46–51
Serum complement levels and perinatal outcome in pregnancies complicated by systemic lupus erythematosus. Devoe LD, et al. Obstet Gynecol 1984 Jun;63(6):796–800
Increased risk of abortion after genetic amniocentesis in twin pregnancies. Palle C, et al. Prenat Diagn 1983 Apr–Jun; 3(2):83–9
Parental occupation and cytogenetic studies in abortuses. Hatch M. Prog Clin Biol Res 1984;160:475–83
Reproductive hazards in the workplace. Development of epidemiologic research. Landrigan PJ, et al. Scand J Work Environ Health 1983 Apr;9(2 Spec No):83–8
[Causes of spontaneous abortion] Huisjes HJ. Ned Tijdschr Geneeskd 1983 Dec 3;127(49):2241–6 (82 ref.) (Dut)
[Serologic research of toxoplasmosis, cytomegalovirus infection and listeriosis in women with and without previous abortion] Amato Neto V, et al. Rev Inst Med Trop Sao Paulo 1983 Mar–Apr;25(2):62–6 (Eng. Abstr.) (Por)
[Cause-effect relation between abortion and herpes infection] Kolomiets ND, et al. Akush Ginekol (Mosk) 1984 Mar; (3):62–4 (Eng. Abstr.) (Rus)
[Endocrine forms of infertility as a risk factor for the failure to carry a subsequent pregnancy to term] Vasadze DV, et al. Akush Ginekol (Mosk) 1984 Feb;(2):17–21 (Eng. Abstr.) (Rus)
[Etiological factors in sterility and infertility as risk factors in future pregnancies] Avramović D, et al. Jugosl Ginekol Opstet 1983 May–Aug;23(3–4):68–71 (Eng. Abstr.) (Ser)

FAMILIAL & GENETIC

Parental origin of autosomal trisomies. Hassold T, et al. Ann Hum Genet 1984 May;48 (Pt 2):129–44
Couples with repeat spontaneous abortions: chromosome abnormalities. Hecht F, et al. Ariz Med 1984 Aug; 41(8):530–2
Additional data on spontaneous abortion and facial cleft malformations. Bear JC. Clin Genet 1983 Dec;24(6):407–12
Triploidy, partial mole and dispermy. An investigation of 12 cases. Procter SE, et al. Clin Genet 1984 Jul;26(1):46–51
Cytogenetic studies in spontaneous abortuses. Andrews T, et al. Hum Genet 1984;66(1):77–84
[Familial case of a balanced chromosomal translocation (7;8) (q11;p23) as a cause of reproductive failure] Georgieva V, et al. Akush Ginekol (Sofiia) 1983;22(5):409–14 (Eng. Abstr.) (Bul)
[Cytogenetic observations on 24 couples with spontaneous abortions] Xu JF. Chung Hua I Hsueh Tsa Chih 1983 Jun; 63(6):365–7 (Chi)
[Cytogenetic study of married couples with recurrent spontaneous abortions] Kroshikina VG, et al. Tsitol Genet 1984 May–Jun;18(3):229–30 (Eng. Abstr.) (Rus)

IMMUNOLOGY

Mechanisms of fetal demise in pregnant mice immunized to murine alpha-fetoprotein. Mizejewski GJ, et al. Am J Reprod Immunol 1984 Jan–Feb;5(1):32–8
ELISA antibodies to cytomegalovirus in pregnant patients: prevalence in and correlation with spontaneous abortion. Luerti M, et al. Biol Res Pregnancy Perinatol 1983; 4(4):181–3
Immunological aspects of spontaneous and habitual abortion. Jones WR. Clin Reprod Fertil 1982 Sep;1(3):244–6
Protective antibodies and spontaneous abortion [letter] Beard RW, et al. Lancet 1983 Nov 5;2(8358):1090
Anti-Ro antibodies and abortions in women with SLE [letter] Hull RG, et al. Lancet 1983 Nov 12;2(8359):1138
[Immune complex and complement levels in spontaneous abortions and normal pregnancy] Saitoh S, et al. Nippon Sanka Fujinka Gakkai Zasshi 1983 Nov; 35(11):1981–90 (Eng. Abstr.) (Jpn)

METABOLISM

Human chorionic gonadotropin levels in complete and partial hydatidiform moles and in nonmolar abortuses. Smith EB, et al. Am J Obstet Gynecol 1984 May 15;149(2):129–32
Study on plasma prolactin and immunoreactive-prolactin released from decidua in normal pregnancy and abortion. Kubota T, et al. Asia Oceania J Obstet Gynaecol 1984 Jun; 10(2):225–34
Increased decidual prostaglandin E concentration in human abortion. Jaschevatzky OE, et al. Br J Obstet Gynaecol 1983 Oct;90(10):958–60

OCCURRENCE

Reliability of reporting of spontaneous abortion [letter] James WH. Am J Obstet Gynecol 1983 Oct 15;147(4):473
Re: Spontaneous abortions following Three Mile Island accident [letter] Johnson CJ. Am J Public Health 1984 May; 74(5):520
Validation of questionnaire reported miscarriage, malformation and birth weight. Axelsson G, et al. Int J Epidemiol 1984 Mar;13(1):94–8
Some epidemiological data on spontaneous abortion in Hungary, 1971–80. Czeizel A, et al. J Epidemiol Community Health 1984 Jun;38(2):143–8
Spontaneous abortions among laboratory workers; a follow up study. Heidam LZ. J Epidemiol Community Health 1984 Mar;38(1):36–41
Selection bias in studies of spontaneous abortion among occupational groups. Axelsson G. J Occup Med 1984 Jul; 26(7):525–8
Spontaneous abortion in proven intact pregnancies [letter] Christiaens GC, et al. Lancet 1984 Sep 8;2(8402):571–2
Recurrence risk of neural tube defects following a miscarriage. Cuckle HS. Prenat Diagn 1983 Oct;3(4):287–9
Reducing misclassification errors through questionnaire design. Hogue CJ. Prog Clin Biol Res 1984;160:81–97
Spontaneous abortions among factory workers. The importance of gravidity control. Heidam LZ. Scand J Soc Med 1983;11(3):81–5
The impact of U.S. family planning programs on births, abortions and miscarriages, 1970–1979. Forrest JD. Soc Sci Med 1984;18(6):461–5
[Chronic toxoplasmosis in pregnant women—an epidemiological and social problem] Jezyna C, et al. Zentralbl Bakteriol Mikrobiol Hyg [B] 1983 Jan; 177(1–2):96–102 (Eng. Abstr.) (Ger)
[The age incidence of spontaneous abortion] Shiina Y, et al. Hokkaido Igaku Zasshi 1984 Jan;59(1):17–20 (Eng. Abstr.) (Jpn)

PATHOLOGY

[Value of routine histologic studies in spontaneous abortion] Stranz G, et al. Zentralbl Gynakol 1983;105(23):1542–5 (Eng. Abstr.) (Ger)

PHYSIOPATHOLOGY

Effects of abortion on subsequent pregnancies. Adelusi B. Afr J Med Med Sci 1983 Jun;12(2):65–9
What is a pregnancy? A question for programs of in vitro fertilization. Jones HW Jr, et al. Fertil Steril 1983 Dec; 40(6):728–33
Role of maternal prolactin in early pregnancy failure. Jouppila P, et al. Obstet Gynecol 1984 Sep;64(3):373–5
[Activity of the adrenergic nervous system in the pathophysiology of pregnancy and labor. I. Dopamine beta-hydroxylase (DBH) activity in the plasma of women with physiological pregnancy, threatened and completed abortion and threatened and completed premature labor] Zrubek H, et al. Ginekol Pol 1984 Mar;55(3):161–70 (Eng. Abstr.) (Pol)
[Fate of subsequent pregnancies in relation to the outcome of previous pregnancies] Szczotka FA, et al. Probl Med Wieku Rozwoj 1979;8:238–45 (Eng. Abstr.) (Pol)

PREVENTION & CONTROL

Minimizing risk of repeated pregnancy loss. Cruz AC, et al. J Fla Med Assoc 1983 Sep;70(9):728–31
[Inhibition of premature uterine contractions] Troszyński M, et al. Probl Med Wieku Rozwoj 1979;8:220–7 (Eng. Abstr.) (Pol)
[Experience with a specialized office (consultation) for abortion] Mironycheva NK, et al. Akush Ginekol (Mosk) 1984 Jan;(1):64–6 (Rus)
[Incomplete pregnancy] Pobedinskiĭ NM, et al. Akush Ginekol (Mosk) 1983 Dec;(12):22–5 (Eng. Abstr.) (Rus)
[Effect of plasma substitute solutions on the immunologic indices of pregnant women with spontaneous abortions] Shcherbakova VV, et al. Akush Ginekol (Mosk) 1984 Mar; (3):68–71 (Eng. Abstr.) (Rus)

PSYCHOLOGY

The psychodynamics of spontaneous abortion. Stack JM. Am J Orthopsychiatry 1984 Jan;54(1):162–7
Correlation between emotional reaction to loss of an unborn child and lymphocyte response to mitogenic stimulation in women. Naor S, et al. Isr J Psychiatry Relat Sci 1983; 20(3):231–9
Abortion [letter] Med J Aust 1984 May 26;140(11):681
Grieving characteristics after spontaneous abortion: a management approach. Leppert PC, et al. Obstet Gynecol 1984 Jul;64(1):119–22
[Psychiatric and ethical aspects of the termination of pregnancy] Bron B. Fortschr Neurol Psychiatr 1983 Oct; 51(10):342–54 (Eng. Abstr.) (Ger)
[Post-abortion depression: study of cases and controls] Arturo Roizblatt S, et al. Actas Luso Esp Neurol Psiquiatr 1983 Sep–Oct;11(5):391–4 (Eng. Abstr.) (Spa)

THERAPY

Oxytocic drugs and anaesthesia. A controlled clinical trial of ergometrine, syntocinon and normal saline during evacuation of the uterus after spontaneous abortion. Beeby D, et al. Anaesthesia 1984 Aug;39(8):764–7

ABORTION APPLICANTS

PSYCHOLOGY

Abortion denied—outcome of mothers and babies [editorial] Del Campo C. Can Med Assoc J 1984 Feb 15;130(4):361–2, 366
Pregnancy-resolution decisions. What if abortions were banned? Murphy JG, et al. J Reprod Med 1983 Nov; 28(11):789–97
Menstrual regulation versus contraception in Bangladesh: characteristics of the acceptors. Akhter HH, et al. Stud Fam Plann 1983 Dec;14(12 Pt 1):318–23
Abortion: predicting the complexity of the decision-making process. Friedlander ML, et al. Women Health 1984 Spring; 9(1):43–54

ABORTION, CRIMINAL

Quinine toxicity in pregnancy. Rivera-Alsina ME, et al. Bol Asoc Med PR 1984 Mar;76(3):114–5
Risks and costs of illegally induced abortion in Bangladesh. Khan AR, et al. J Biosoc Sci 1984 Jan;16(1):89–98
Abortion surveillance, 1979–1980. Lang PR, et al. MMWR Surveill Summ 1983 May;32(2):1SS–7SS

LEGISLATION & JURISPRUDENCE

[The fetus, under criminal law is considered a complete human being from the onset of labor pains] Fortschr Med 1984 Mar 15;102(10):92 (Ger)

ABORTION, EUGENIC see under **ABORTION, INDUCED**

ABORTION, HABITUAL

Factors related to subsequent reproductive outcome in couples with repeated pregnancy loss. FitzSimmons J, et al. Am J Med Genet 1984 Jul;18(3):407–11

BLOOD

A study of the serum factor 'X' in women with pathological pregnancy and during delivery. Lukanov JB. Folia Med (Plovdiv) 1983;25(3):19–24
Lupus anticoagulant, recurrent abortion, and prostacyclin production by cultured smooth muscle cells [letter] de Castellarnau C, et al. Lancet 1983 Nov 12;2(8359):1137–8
The lupus-anticoagulant: clinical and obstetric implications. Lubbe WF, et al. NZ Med J 1984 Jun 27;97(758):398–402

DRUG THERAPY

[Use of clomiphene in habitual abortion due to lutein insufficiency] Del Papa G, et al. Minerva Ginecol 1983 Oct; 35(10):677–9 (Eng. Abstr.) (Ita)

ETIOLOGY

Habitual abortion and uterine malformations. Audebert AJ, et al. Acta Eur Fertil 1983 Jul–Aug;14(4):273–8
Endometrial ossification associated with repeated abortions. Degani S, et al. Acta Obstet Gynecol Scand 1983; 62(3):281–2
Campylobacter enteritis associated with recurrent abortions in agammaglobulinemia. Pines A, et al. Acta Obstet Gynecol Scand 1983;62(3):279–80
Etiologic factors and subsequent reproductive performance in 195 couples with a prior history of habitual abortion. Stray-Pedersen B, et al. Am J Obstet Gynecol 1984 Jan 15;148(2):140–6
Evaluation and management of habitual abortion. DeCherney A, et al. Br J Hosp Med 1984 Apr;31(4):261–2, 266–8
Recurrent abortion—a review [editorial] Stirrat GM. Br J Obstet Gynaecol 1983 Oct;90(10):881–3
Etiology of recurrent pregnancy losses and outcome of subsequent pregnancies. Harger JH, et al. Obstet Gynecol 1983 Nov;62(5):574–81

FAMILIAL & GENETIC

Cytogenetic studies in couples with multiple spontaneous abortions. Schempp W, et al. Acta Anthropogenet 1983; 7(2):113–8
Repeated pregnancy loss. FitzSimmons J, et al. Am J Med Genet 1983 Sep;16(1):7–13
Subsequent reproductive outcome in couples with repeated pregnancy loss. FitzSimmons J, et al. Am J Med Genet 1983 Dec;16(4):583–7
Reproductive risks for translocation carriers: cytogenetic study and analysis of pregnancy outcome in 58 families. Neri G, et al. Am J Med Genet 1983 Dec;16(4):535–61
Cytogenetic findings in 318 couples with repeated spontaneous abortion: a review of experience in British Columbia. Pantzar JT, et al. Am J Med Genet 1984 Mar; 17(3):615–20
Aneuploidy in recurrent spontaneous aborters: the tendency to parental nondisjunction. Hecht F, et al. Clin Genet 1984 Jul;26(1):43–5

Prognosis for couples who have experienced repeated pregnancy loss. Abuelo DN, et al. **Fertil Steril** 1983 Dec; 40(6):844–5

Luteal phase inadequacy and a chromosomal anomaly in recurrent abortion. Wentz AC, et al. **Fertil Steril** 1984 Jan; 41(1):142–3

Chromosomal aberrations and chromosomal polymorphism in families with reproductive failure. Vulkova G. **Folia Med (Plovdiv)** 1983;25(3):11–8

Cytogenetic study in 50 couples with recurrent abortions. Mameli M, et al. **Gynecol Obstet Invest** 1984;17(2):84–8

Chromosome anomalies in 136 couples with a history of recurrent abortions. Diedrich U, et al. **Hum Genet** 1983; 65(1):48–52

Cytogenetic survey in couples with recurrent fetal wastage. Fryns JP, et al. **Hum Genet** 1984;65(4):336–54

Ring chromosome 21 in a healthy woman with three spontaneous abortions. Rhomberg K. **Hum Genet** 1984; 67(1):120

C heterochromatin variation in couples with recurrent early abortions. Maes A, et al. **J Med Genet** 1983 Oct;20(5):350–6

X-chromosome hyperploidy in couples with multiple spontaneous abortions. Holzgreve W, et al. **Obstet Gynecol** 1984 Feb;63(2):237–40

[Balanced translocation as one of the genetic causes of habitual abortion] Szabó J, et al. **Orv Hetil** 1984 Jan 8; 125(2):67–70 (Eng. Abstr.) **(Hun)**

IMMUNOLOGY

Immunopathologic factors contributing to recurrent spontaneous abortion in humans [editorial] Beer AE. **Am J Reprod Immunol** 1983 Dec;4(4):182–4

Recurrent spontaneous abortion in human pregnancy: results of immunogenetical, cellular, and humoral studies. McIntyre JA, et al. **Am J Reprod Immunol** 1983 Dec; 4(4):165–70

Immune factors and recurrent abortion: a review [editorial] Redman CW. **Am J Reprod Immunol** 1983 Dec;4(4):179–81

Habitual abortion: parental sharing of HLA antigens, absence of maternal blocking antibody, and suppression of maternal lymphocytes. Unander AM, et al. **Am J Reprod Immunol** 1983 Dec;4(4):171–8

Immunological aspects of spontaneous and habitual abortion. Jones WR. **Clin Reprod Fertil** 1982 Sep;1(3):244–6

Histocompatibility and recurrent abortion [letter] McIntyre JA, et al. **Fertil Steril** 1984 Apr;41(4):653–4

Maternal–paternal histocompatibility: lack of association with habitual abortions. Oksenberg JR, et al. **Fertil Steril** 1984 Sep;42(3):389–95

Immunological analysis of women with repeated spontaneous abortions. Bousquet J, et al. **Gynecol Obstet Invest** 1984; 17(3):113–9

Maternal blocking antibodies, the fetal allograft, and recurrent abortion. **Lancet** 1983 Nov 19;2(8360):1175–6

T-cell subset distribution in chronically aborting women [letter] Bertotto A, et al. **Lancet** 1984 Jan 14;1(8368):108

Lymphocyte-reactive antibodies and spontaneous abortion [letter] Johnson PM, et al. **Lancet** 1983 Dec 3; 2(8362):1304–5

Immunological factors and recurrent fetal loss [letter] Scott JS. **Lancet** 1984 May 19;1(8386):1122

Prevalence of antinuclear antibodies in patients with habitual abortion and in normal and toxemic pregnancies. Garcia-De La Torre I, et al. **Rheumatol Int** 1984;4(2):87–9

Determinants of immunological responsiveness in recurrent spontaneous abortion. Johnson PM, et al. **Transplantation** 1984 Sep;38(3):280–4

OCCURRENCE

Spontaneous abortions, stillbirths, and birth defects in families of agricultural pilots. Roan CC, et al. **Arch Environ Health** 1984 Jan–Feb;39(1):56–60

PHYSIOPATHOLOGY

[Surgery and circulating antiprothrombinase-type anticoagulant in the Soulier–Boffa syndrome] Martin C, et al. **Ann Fr Anesth Reanim** 1984;3(4):306–8 (Eng. Abstr.) **(Fre)**

PREVENTION & CONTROL

Aggressive cervical cerclage [letter] Bergsjø P. **Am J Obstet Gynecol** 1984 May 15;149(2):240–1

Preliminary experience with the use of human chorionic gonadotrophin therapy in women with repeated abortion. Svigos J. **Clin Reprod Fertil** 1982 Jun;1(2):131–5

Prevention of habitual abortion and prematurity by early total occlusion of the external os uteri. Saling E. **Eur J Obstet Gynecol Reprod Biol** 1984 May;17(2–3):165–70

Value of cervical encirclage in the treatment of midtrimester abortion. Nnatu S. **Int J Gynaecol Obstet** 1983 Dec; 21(6):469–72

Vaccination against spontaneous abortion in mice. Chaouat G, et al. **J Reprod Immunol** 1983 Nov;5(6):389–92

[Characteristics of the course and management of pregnancy and labor in women at risk for abortion] Chernomaz LN, et al. **Akush Ginekol (Mosk)** 1983 Dec;(12):34–5 (Eng. Abstr.) **(Rus)**

[Immunization of pregnant women with allogenic lymphocytes from the husband as a method of preventing spontaneous abortion] Govallo VI, et al. **Akush Ginekol (Mosk)** 1983 Dec;(12):25–8 (Eng. Abstr.) **(Rus)**

THERAPY

Congenital uterine malformations as indication for cervical suture (cerclage) in habitual abortion and premature delivery. Abramovici H, et al. **Int J Fertil** 1983;28(3):161–4

ABORTION, ILLEGAL see **ABORTION, CRIMINAL**

ABORTION, INCOMPLETE

IMMUNOLOGY

Determinants of immunological responsiveness in recurrent spontaneous abortion. Johnson PM, et al. **Transplantation** 1984 Sep;38(3):280–4

[Considerations on the possible immune nature of abortions] Laureti E. **Minerva Ginecol** 1984 Jan–Feb;36(1–2):15–6 (Eng. Abstr.) **(Ita)**

OCCURRENCE

Spontaneous abortions and twinning. Zahálková M, et al. **Acta Genet Med Gemellol (Roma)** 1984;33(1):25–6

VETERINARY

Incomplete abortion and hydrometrosis in a squirrel monkey (Saimiri sciureus). Swindle MM, et al. **Lab Anim Sci** 1984 Jun;34(3):290–2

ABORTION, INDUCED

Termination of second-trimester pregnancy by laminaria and intramuscular injections of 15-methyl PGF2 alpha or 16-phenoxy-omega-17,18,19, 20-tetranor PGE2 methyl sulfonylamide. A randomized study. Bygdeman M, et al. **Acta Obstet Gynecol Scand** 1983;62(5):535–7

Radiographic findings in cervix uteri after prostaglandin abortion induction. Kajanoja P, et al. **Acta Obstet Gynecol Scand** 1983;62(3):253–6

Second-trimester abortion by extra-amniotic instillation of Rivanol combined with intravenous administration of oxytocin or prostaglandin F2 alpha. Klinte I, et al. **Acta Obstet Gynecol Scand** 1983;62(4):303–6

Vaginal cleansing at vacuum aspiration abortion does not reduce the risk of postoperative infection. Lundh C, et al. **Acta Obstet Gynecol Scand** 1983;62(3):275–7

Outcome of first delivery after 2nd trimester two-stage induced abortion. A controlled historical cohort study. Meirik O, et al. **Acta Obstet Gynecol Scand** 1984; 63(1):45–50

Three years of experience after post-abortal insertion of Nova-T and Copper-T-200. Nielsen NC, et al. **Acta Obstet Gynecol Scand** 1984;63(3):261–4

Prostaglandin F2 alpha, oxytocin, and uterine activation in hypertonic saline-induced abortions. Fuchs AR, et al. **Am J Obstet Gynecol** 1984 Sep 1;150(1):27–32

Nitrous oxide and termination of pregnancy [letter] Mikhael M, et al. **Anaesthesia** 1983 Nov;38(11):1103–4

Day-case anaesthesia for termination of pregnancy. Evaluation of a total intravenous anaesthetic technique. Ogg TW, et al. **Anaesthesia** 1983 Nov;38(11):1042–6

Intubation, aspiration prophylaxis in midtrimester abortions? [letter] Dehring DJ, et al. **Anesthesiology** 1984 Aug; 61(2):223–5

Sulprostone for preoperative cervical dilatation in primigravidae scheduled for late first trimester termination of pregnancy. Jerve F, et al. **Arch Gynecol** 1983; 233(3):199–203

Termination of midtrimester pregnancies with extraovular 0.1% ethacridine lactate. Accurate method for estimation of blood loss. Role of spartein sulfate. Laul RM, et al. **Asia Oceania J Obstet Gynaecol** 1984 Jun;10(2):185–9

Intramuscular administration of 15(S) methyl prostaglandins F2 alpha for midtrimester abortion. Sakunthala G, et al. **Asia Oceania J Obstet Gynaecol** 1984 Jun;10(2):191–5

An assessment of pre-operative microbial screening on the prevention of post-abortion pelvic inflammatory disease. Mills AM. **Br J Obstet Gynaecol** 1984 Feb;91(2):182–6

Second-trimester amniocentesis and termination of pregnancy. Turnbull AC, et al. **Br Med Bull** 1983 Oct; 39(4):315–21 (51 ref.)

Methods to determine success of attempts to terminate early gestation pregnancies with prostaglandin vaginal suppositories. Brenner PF, et al. **Contraception** 1983 Aug; 28(2):111–24

Comparative study of various intracervically administered PG gel preparations for termination of first trimester pregnancies. Rath W, et al. **Contraception** 1983 Sep; 28(3):209–22

Three methods for gradual cervical dilatation prior to vacuum aspiration in late first trimester pregnancy. Sema S, et al. **Contraception** 1983 Sep;28(3):223–31

Randomized trial of intracervical prostaglandin E2 gel and intraamniotic prostaglandin F2 alpha for induction of second trimester abortion. Stampe Sørensen S, et al. **Contraception** 1984 Feb;29(2):171–9

Extraamniotic infusion of prostaglandin F2 alpha in normal saline for termination of midtrimester missed abortion. Jaschevatzky OE, et al. **Eur J Obstet Gynecol Reprod Biol** 1983 Jul;15(3):185–7

Repeat abortion: is it a problem? Berger C, et al. **Fam Plann Perspect** 1984 Mar–Apr;16(2):70–5

Wrongful birth and wrongful conception: the legal and moral issues. Donovan P. **Fam Plann Perspect** 1984 Mar–Apr; 16(2):64–9

Observation: contraceptive method use following an abortion. Henshaw SK. **Fam Plann Perspect** 1984 Mar–Apr; 16(2):75–7

Menstrual regulation and contraception in Bangladesh: competing or complementary? Akhter HH, et al. **Int J Gynaecol Obstet** 1984 Apr;22(2):137–43

Attitudes toward abortion and contraception among Nigerian secondary school girls. Oronsaye AU, et al. **Int J Gynaecol Obstet** 1983 Oct;21(5):423–6

College students' attitudes toward shared responsibility in decisions about abortion: implications for counseling. Ryan IJ, et al. **J Am Coll Health** 1983 Jun;31(6):231–5

Making up her mind: consent, pregnancy and mental handicap. Higgs R. **J Med Ethics** 1983 Dec;9(4):219–26

Abortion and euthanasia of Down's syndrome children—the parents' view. Shepperdson B. **J Med Ethics** 1983 Sep; 9(3):152–7

Demands made on general practice by women before and after an abortion. Berkeley D, et al. **J R Coll Gen Pract** 1984 Jun;34(263):310–5

Ruptured appendix after elective abortion. A case report. Pine S, et al. **J Reprod Med** 1983 Oct;28(10):691–3

Abortion [letter] Kaufmann CA. **JOGN Nurs** 1984 Mar–Apr; 13(2):131–2

Voluntary termination of pregnancy. Schneider TB. **JOGN Nurs** 1984 Mar–Apr;13(2 Suppl):77s–84s (28 ref.)

Abortion surveillance, 1979–1980. Lang PR, et al. **MMWR Surveill Summ** 1983 May;32(2):1SS–7SS

Rabbinic comment: Abortion. Feldman DM. **Mt Sinai J Med (NY)** 1984 Jan–Feb;51(1):20–4

Genetics, amniocentesis, and abortion. Hirschhorn K. **Mt Sinai J Med (NY)** 1984 Jan–Feb;51(1):15–7

Teenage pregnancies and abortion. Morgenthau JE. **Mt Sinai J Med (NY)** 1984 Jan–Feb;51(1):18–9

Termination of pregnancy during the third trimester [letter] **N Engl J Med** 1984 Jul 26;311(4):264–5

When is termination of pregnancy during the third trimester morally justifiable? Chervenak FA, et al. **N Engl J Med** 1984 Feb 23;310(8):501–4

Abortion 1982 [letter] McArthur JE. **NZ Med J** 1983 Dec 14;96(745):1032

Effects of prostaglandin E2 analogue suppository on blood loss in suction abortion. Sidhu MS, et al. **Obstet Gynecol** 1984 Jul;64(1):128–30

Human chorionic gonadotropin in maternal plasma after induced abortion, spontaneous abortion, and removed ectopic pregnancy. Steier JA, et al. **Obstet Gynecol** 1984 Sep;64(3):391–4

Characteristics of first trimester abortion patients at an urban Indian clinic. Bahl Dhall S, et al. **Stud Fam Plann** 1984 Mar–Apr;15(2):93–7

Evaluation of tubal patency in post-abortal infertile women. Roopnarinesingh S, et al. **West Indian Med J** 1983 Sep; 32(3):168–71

[Apropos of a case for deductions and conclusions in gynecologic practice] Durveniashki Kh. **Akush Ginekol (Sofiia)** 1984;23(3):270–1 **(Bul)**

[Duration of induced abortion in the 2d trimester in relation to placental insertion] Rachev E, et al. **Akush Ginekol (Sofiia)** 1983;22(5):349–54 (Eng. Abstr.) **(Bul)**

[Light microscopy and electron microscopy observation on the placenta and viscera of fetus in mid-stage abortion induced by Radix euphorbiae Kansui] Yu TW. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Apr;4(4):201–2 (Eng. Abstr.) **(Chi)**

[Clinico-pathologic study on the action of yuanhuadine in mid-trimester abortion] Wang QW. **Chung Hua Fu Chan Ko Tsa Chih** 1983 Jul;18(3):154–6 (Eng. Abstr.) **(Chi)**

[Kinetic studies on prostaglandin concentrations in the amniotic fluid during rivanol-induced abortion] Zhou ZR, et al. **Yao Hsueh Hsueh Pao** 1983 Aug;18(8):569–71 (Eng. Abstr.) **(Chi)**

[The effects of prostaglandins in colpocytology] Kobilková J, et al. **Cesk Gynekol** 1984 Feb;49(1):14–7 (Eng. Abstr.) **(Cze)**

[New importance in the social aspects of the care of the pregnant woman] Stembera Z. **Cesk Gynekol** 1983 Nov; 48(9):633–7 **(Cze)**

[Methods of terminating pregnancy and acute complications] Heisterberg L. **Ugeskr Laeger** 1983 Nov 28;145(48):3711–5 (Eng. Abstr.) **(Dan)**

[Insertion of the Multiload Cu 250 IUD immediately after abortion or labor] Mørup L, et al. **Ugeskr Laeger** 1984 Apr 2;146(14):1046–8 (Eng. Abstr.) **(Dan)**

[Choice of termination of pregnancy. The significance of demographic and social factors] Rasmussen NK, et al. **Ugeskr Laeger** 1983 Nov 28;145(48):3758–64 (Eng. Abstr.) **(Dan)**

[The contraceptive habits of women applying for termination of pregnancy] Sidenius K, et al. **Ugeskr Laeger** 1983 Nov 28;145(48):3721–4 (Eng. Abstr.) **(Dan)**

[Dinoprostone or sulprostone. Comparison of 2 analogs of prostaglandin for the interruption of pregnancy in the 2nd trimester] Bourrit B, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1984;13(1):87–90

(Eng. Abstr.) (Fre)
[Cervical dilatation using PGF2 alpha gel before voluntary interruption of pregnancy during the first trimester] Maria B, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1983; 12(7):789–94 (Eng. Abstr.) (Fre)
[Levels of serum lipids during abortion induced by a hypertonic saline solution] Sane AS, et al.
J Gynecol Obstet Biol Reprod (Paris) 1983;12(5):477–80 (Eng. Abstr.) (Fre)
[Surgery in utero on a two-headed monster. The value of echography] Serment H, et al.
J Gynecol Obstet Biol Reprod (Paris) 1984;13(2):197–203 (Eng. Abstr.) (Fre)
[Voluntary inerruption of pregnancy in adolescents from 13 to 18 years of age. Clinical and sociologic analysis of 295 cases] Vekemans M, et al.
J Gynecol Obstet Biol Reprod (Paris) 1984;13(1):21–30 (Eng. Abstr.) (Fre)
[Prostaglandins in gynecology and obstetrics] El Bakali, et al. **Maroc Med** 1983 Dec;5(4):285–92 (Eng. Abstr.) (Fre)
[Contraceptive counseling following pregnancy] Rebholz AG. **Fortschr Med** 1984 May 3;102(17):482–4 (Eng. Abstr.) (Ger)
[Preoperative cervical dilatation in abortion during the 1st trimester with sulprostone] Schulz BO, et al.
Geburtshilfe Fraunheilkd 1984 Mar;44(3):185–7 (Eng. Abstr.) (Ger)
[The ethical challenge. Is the physician allowed to do what he must do?] **MMW** 1984 Feb 10;126(6):132–6 (Ger)
[Compensation for damages due to failure to interrupt pregnancy. Prenatal indication according to Section 218a, Paragraph 2. No. 1 of the Federal Criminal Law—2 verdicts passed by the Federal Court] **MMW** 1984 Feb 10;126(6):128–31 (Ger)
[Complications in pregnancy following abortion induced with PGF2 alpha] Koinzer G, et al. **Zentralbl Gynakol** 1984;106(2):120–5 (Eng. Abstr.) (Ger)
[Plasma hormone concentrations in induced abortion with local prostaglandin administration in the 1st trimester] Rath W, et al. **Zentralbl Gynakol** 1983;105(15):961–71 (Eng. Abstr.) (Ger)
[Medical indication of induced abortion and its criticism (letter)] **Orv Hetil** 1983 Nov 6;124(45):2773–4 (Hun)
[Clinico-experimental evaluation on the use of sulprostone, new PGE2 derivative. III. Its use in some aspects of obstetric pathology] Stoppelli I, et al. **Minerva Ginecol** 1983 Dec;35(12):829–31 (Eng. Abstr.) (Ita)
[Previous abortions exert favourable effects on the prognosis of breast cancer patients] Yoshimoto M, et al.
Gan No Rinsho 1984 Jun;30(7):777–84 (Eng. Abstr.) (Jpn)
[Serum prolactin levels following abortion in normal and molar pregnancy] Shinkawa O, et al.
Nippon Sanka Fujinka Gakkai Zasshi 1984 Jun;36(6):911–6 (Eng. Abstr.) (Jpn)
[What information should women applying for abortion receive?] Rivrud GN. **Tidsskr Nor Laegeforen** 1983 Nov 10;103(31):2109 (Eng. Abstr.) (Nor)
[Changes in lipid peroxidation indices and their correction in women before artificial interruption of pregnancy] Kryzhanovskiĭ GN, et al. **Akush Ginekol (Mosk)** 1984 Mar; (3):34–5 (Eng. Abstr.) (Rus)
[Post-abortion depression: study of cases and controls] Arturo Roizblatt S, et al.
Actas Luso Esp Neurol Psiquiatr 1983 Sep–Oct;11(5):391–4 (Eng. Abstr.) (Spa)
[Background factors of defective contraception in abortion-seeking patients] Lalos A, et al. **Lakartidningen** 1983 Jun 29;80(26–27):2646–8 (Swe)

ADVERSE EFFECTS

Omentum presenting at the vulva after a normal labor and delivery. An unusual late complication of induced abortion. Marsden DE. **Acta Obstet Gynecol Scand** 1984;63(3):277–8
Vaginal administration of 15-methyl-PGF2 alpha-methyl ester prior to vacuum aspiration. Peri- and postoperative complications. Nilsson S, et al.
Acta Obstet Gynecol Scand 1983;62(6):599–602
Effects of abortion on subsequent pregnancies. Adelusi B. **Afr J Med Med Sci** 1983 Jun,12(2):65–9
Drainage of postabortion hematometra by Foley catheter. Borten M, et al. **Am J Obstet Gynecol** 1984 Aug 15; 149(8):908–9
Intrauterine incarcerated bowel following uterine perforation during an abortion: a case report. Dunner PS, et al.
Am J Obstet Gynecol 1983 Dec 15;147(8):969–70
Coagulopathy and induced abortion methods: rates and relative risks. Kafrissen ME, et al.
Am J Obstet Gynecol 1983 Oct 1;147(3):344–5
Medical risks of teenage pregnancy. Straton JA, et al.
Aust Fam Physician 1983 Jun;12(6):474, 477–8, 480
Abortion risks for teens as low as or lower than risks for older women. **Fam Plann Perspect** 1983 Nov–Dec; 15(6):282–3
Intrauterine small bowel entrapment and obstruction complicating suction abortion. McArdle CR, et al.
Gastrointest Radiol 1984;9(3):239–40
Quantitative measurement of blood loss in medical termination of pregnancy. Gupta I, et al.
Indian J Med Res 1983 Jul;78:49–52
Foetal cell leak (FCL) studies in spontaneous & induced abortion. Kulkarni RR, et al. **Indian J Med Res** 1983 Dec; 78:824–7
Menstrual disorder after medical termination of pregnancy. Mitra J, et al. **J Indian Med Assoc** 1984 Jan;82(1):4–6
Prevention of uterine perforation during curettage abortion. Grimes DA, et al. **JAMA** 1984 Apr 27;251(16):2108–11
Continued pregnancy after failed first-trimester abortion. Fielding WL, et al. **Obstet Gynecol** 1984 Mar;63(3):421–4
Uterine embolization in a patient with postabortal hemorrhage. Haseltine FP, et al. **Obstet Gynecol** 1984 Mar; 63(3 Suppl):78S–80S
Fertility after induced abortion: a prospective follow-up study. Stubblefield PG, et al. **Obstet Gynecol** 1984 Feb; 63(2):186–93
Estimation of blood loss in second-trimester dilatation and extraction. Woodward G. **Obstet Gynecol** 1984 Feb; 63(2):230–2
[Effect of abortion on premature labor] Bogdanov N, et al.
Akush Ginekol (Sofiia) 1983;22(2):100–4 (Eng. Abstr.) (Bul)
[Complications in a case of pregnancy interruption by the Aburel method] Grigorov S. **Akush Ginekol (Sofiia)** 1983; 22(5):406–8 (Bul)
[Reactions to induced abortion (letter)] **Ugeskr Laeger** 1983 Nov 28;145(48):3781–2 (Dan)
[Complications of induced abortion—personal observations] Krasnodebski J, et al. **Pol Tyg Lek** 1983 Oct 10; 38(41):1271–3 (Eng. Abstr.) (Pol)
[Complications of induced abortion] Kretowicz J.
Pol Tyg Lek 1984 Mar 26;39(13):421–3 (13 ref.) (Pol)
[Fate of subsequent pregnancies in relation to the outcome of previous pregnancies] Szczotka FA, et al.
Probl Med Wieku Rozwoj 1979;8:238–45 (Eng. Abstr.) (Pol)
[Clinico-ultrasonic aspects of the diagnosis of complications after induced abortion in the 1st trimester] Bakuleva LP, et al. **Akush Ginekol (Mosk)** 1983 Dec;(12):53–5 (Eng. Abstr.) (Rus)
[Effect of repeated induced abortions on female reproductive function] Frolov IB. **Akush Ginekol (Mosk)** 1984 Feb; (2):44–7 (Eng. Abstr.) (Rus)
[Case of successful treatment of a patient with an extremely severe form of gynecologic tetanus] Rabinovich VL, et al. **Anesteziol Reanimatol** 1983 Nov–Dec;(6):58–9 (Rus)
[Early and late complications of induced abortion] Radionchenko AA, et al. **Sov Med** 1983;(7):113–5 (Rus)
[Septicemias of obstetrico-gynecological origin: clinical and therapeutical aspects] de la Cuadra H, et al.
Rev Med Chil 1984 Jan;112(1):36–42 (Eng. Abstr.) (Spa)

ECONOMICS

Abortion, limited medical resources, and the meaning of health care. Anderson K, et al. **J Am Coll Health** 1984 Apr;32(5):231–2
Midtrimester pregnancy termination: a study of the cost effectiveness of dilation and evacuation in a free-standing facility. Crist T, et al. **NC Med J** 1983 Sep;44(9):549–51
Reflections on midtrimester pregnancy termination by dilation and evacuation in a free-standing facility [editorial] Parker RT. **NC Med J** 1983 Sep;44(9):537

HISTORY

The moral status of the human embryo: a tradition recalled. Dunstan GR. **J Med Ethics** 1984 Mar;10(1):38–44
[The development of obstetrics and gynecology: dramatically decreased maternal mortality. Far-seeing points of view in the question of abortion] Hagenfeldt K.
Lakartidningen 1983 Nov 9;80(45):4299–302 (Eng. Abstr.) (Swe)

INSTRUMENTATION

Comparison of rigid and flexible cannulae for early abortion without cervical dilatation.World Health Organization Task Force on Sequelae of Abortion. **Stud Fam Plann** 1984 Mar–Apr;15(2):79–83
[Abortion at 10 to 12 weeks using a plastic syringe or electric aspirator] Borko E, et al. **Jugosl Ginekol Opstet** 1983 Jan–Apr;23(1–2):17–20 (Eng. Abstr.) (Ser)

METHODS

Outcome of delivery subsequent to vacuum-aspiration abortion in nulliparous women. Meirik O, et al.
Acta Obstet Gynecol Scand 1983;62(5):499–509
Efficacy and safety of low-dose 15-methyl prostaglandin F2 alpha for cervical ripening in the first trimester of pregnancy. Arias F. **Am J Obstet Gynecol** 1984 May 1; 149(1):100–1
The use of real-time ultrasound as an aid during difficult therapeutic abortion procedures. Goldenberg RL, et al.
Am J Obstet Gynecol 1984 Mar 15;148(6):826–7
Midtrimester abortion: techniques and complications. LaFerla JJ. **Clin Perinatol** 1983 Jun;10(2):305–20 (35 ref.)
Cervical dilatation with 16,16-dimethyl-trans-delta 2-PGE1 methyl ester (Cervagem) prior to vacuum aspiration. A double-blind, placebo-controlled randomized study. Christensen NJ, et al. **Contraception** 1984 May;29(5):457–64
A Gemeprost vaginal suppository for cervical priming prior to termination of first trimester pregnancy. Kajanoja P, et al. **Contraception** 1984 Mar;29(3):251–60
Termination of very early pregnancy by RU 486—an antiprogestational compound. Kovacs L, et al.
Contraception 1984 May;29(5):399–410
Randomized comparison of prostaglandin treatment in hospital or at home with vacuum aspiration for termination of early pregnancy. Rosén AS, et al. **Contraception** 1984 May;29(5):423–35
The use of 15-methylated derivative of prostaglandin F2a for the therapeutic termination of pregnancy and management of late fetal death. Antsaklis A, et al.
Int Surg 1984 Jan–Mar;69(1):63–8
Suction curettage. English EC. **J Fam Pract** 1983 Dec; 17(6):1065–70
Preoperative cervical dilatation with a single long-acting prostaglandin analog suppository. An alternative to traumatic mechanical dilatation before surgical evacuation. Kent DR, et al. **J Reprod Med** 1983 Nov;28(11):778–80
Midtrimester abortion. Intra-amniotic instillation of hyperosmolar urea and prostaglandin F2 alpha v dilatation and evacuation. Kafrissen ME, et al. **JAMA** 1984 Feb 17; 251(7):916–9
Serial multiple laminaria and adjunctive urea in late outpatient dilatation and evacuation abortion. Hern WM. **Obstet Gynecol** 1984 Apr;63(4):543–9
Comparison of two prostaglandins used to terminate midtrimester pregnancy. Gookin KS, et al.
South Med J 1984 Jun;77(6):717–8, 721
Menstrual regulation versus contraception in Bangladesh: characteristics of the acceptors. Akhter HH, et al.
Stud Fam Plann 1983 Dec;14(12 Pt 1):318–23
[Termination of early pregnancy by ONO-802 suppositories] Zhang CF. **Chung Hua Fu Chan Ko Tsa Chih** 1983 Jul; 18(3):150–3 (Eng. Abstr.) (Chi)
[Induced abortion in the early stages of pregnancy]
Cesk Gynekol 1983 Jul;48(6):456–7 (Cze)
[Mini-abortion - 3 years' experience in the district of Mladá Boleslav] Divecký V, et al. **Cesk Gynekol** 1983 Jun; 48(5):362–3 (Cze)
[Mini-abortion, the determination of its effectiveness and the present method of performing it at the Institute for Maternal and Child Care] Havránek F, et al.
Cesk Gynekol 1984 Feb;49(1):23–6 (Cze)
[First experience with extra-amniotic intrauterine administration of prostaglandin F2 alpha] Rotta L.
Cesk Gynekol 1983 Nov;48(9):643–7 (Eng. Abstr.) (Cze)
[Selective reduction in cases of multiple pregnancy] Jeny R, et al. **Ann Radiol (Paris)** 1983 Jun–Jul;26(5):446 (Eng. Abstr.) (Fre)

MORTALITY

Mortality associated with fertility and fertility control: 1983. Ory HW. **Fam Plann Perspect** 1983 Mar–Apr;15(2):57–63

PSYCHOLOGY

A survey of attitudes concerning contraception and the resolution of teenage pregnancy. Rinck C, et al.
Adolescence 1983 Winter;18(72):923–9
Postpartum and postabortion mental health in Denmark [letter] David HP, et al. **Fam Plann Perspect** 1983 Jul–Aug; 15(4):156
Factors discriminating pregnancy resolution decisions of unmarried adolescents. Eisen M, et al.
Genet Psychol Monogr 1983 Aug;108(1st Half):69–95
Correlation between emotional reaction to loss of an unborn child and lymphocyte response to mitogenic stimulation in women. Naor S, et al. **Isr J Psychiatry Relat Sci** 1983; 20(3):231–9
Continuation of contraception following menstrual regulation--a Bangladesh experience. Akhter HH, et al.
J Biosoc Sci 1984 Jan;16(1):137–51
Attitudes toward abortion as a means of sex selection. Feil RN, et al. **J Psychol** 1984 Mar;116(2d Half):269–72
Psychiatric sequelae of induced abortion. Gibbons M.
J R Coll Gen Pract 1984 Mar;34(260):146–50
Pregnancy-resolution decisions. What if abortions were banned? Murphy JG, et al. **J Reprod Med** 1983 Nov; 28(11):789–97
Adolescents and abortion. A theoretical framework for decision making. Brown MA. **JOGN Nurs** 1983 Jul–Aug; 12(4):241–7
Late abortions [letter] Woodroffe C, et al. **Lancet** 1984 Feb 25;1(8374):454
Abortion [letter] **Med J Aust** 1984 Jul 21;141(2):131–2
Abortion [letter] McAll K. **Med J Aust** 1984 Jul 7;141(1):65–6
Abortion [letter] **NZ Med J** 1983 Nov 23;96(744):987
Locus of control and decision to abort. Dixon PN, et al.
Psychol Rep 1984 Apr;54(2):547–53
Psychosocial aspects of repeat abortions in Singapore--a preliminary report. Tsoi WF, et al. **Singapore Med J** 1984 Apr;25(2):116–21
Response to termination of pregnancy for genetic reasons. Lloyd J, et al. **Z Kinderchir** 1983 Dec;38 Suppl 2:98–9
[Repetitive requests for voluntary abortions] Mattauer B, et al. **Ann Med Psychol (Paris)** 1984 Jan;142(1):151–64 (Fre)
[Abortion--the woman in conflict] Bier L. **Fortschr Med** 1984 May 17;102(19):78–9 (Ger)

TRENDS

Trends in induced abortion in England and Wales [editorial] Ashton JR. **Br Med J [Clin Res]** 1983 Oct 8; 287(6398):1001–2
The abortion paradox. Bergin JD. **NZ Med J** 1983 Oct 12;

96(741):768–71
Abortion and contraception in Poland. Okólski M. **Stud Fam Plann** 1983 Nov;14(11):263–74
[Development in the number of legal terminations of pregnancy] Knudsen LB. **Ugeskr Laeger** 1983 Nov 28; 145(48):3753–8 (Eng. Abstr.) **(Dan)**

UTILIZATION

Is wide availability of abortion essential to national population growth control programs? Experiences of 116 countries. Mumford SD, et al. **Am J Obstet Gynecol** 1984 Jul 15;149(6):639–45
The incidence of repeat induced abortion in a randomly selected group of women. A retrospective study. Heinrich JF, et al. **J Reprod Med** 1984 Apr;29(4):260–4

VETERINARY

Brucella ovis–induced abortion in ewes. Libal MC, et al. **J Am Vet Med Assoc** 1983 Sep 1;183(5):553–4
[Clinical and analytic hormone studies of the suitability of estrumate for induction of mummified fetus expulsion in cattle] Rüetschi D, et al. **Schweiz Arch Tierheilkd** 1984 Jun; 126(6):323–9 (Eng. Abstr.) **(Ger)**

ABORTION, LEGAL

The fetus as a patient: emerging rights as a person? Lenow JL. **Am J Law Med** 1983 Spring;9(1):1–29
The new biology and the question of personhood: implications for abortion. Milby TH. **Am J Law Med** 1983 Spring;9(1):31–41
Limiting state regulation of reproductive decisions. Glantz LH. **Am J Public Health** 1984 Feb;74(2):168–9
Abortion denied—outcome of mothers and babies [editorial] Del Campo C. **Can Med Assoc J** 1984 Feb 15;130(4):361–2, 366
Abortion: the demographic argument [letter] Frazer B. **Can Med Assoc J** 1984 Feb 15;130(4):340
Woman's or baby's rights? Genes make the difference [letter] Nicholls PM, et al. **Can Med Assoc J** 1984 Sep 1;131(5):426, 428
Postabortal contraception with norethisterone cnanthate injections. Lähteenmäki P, et al. **Contraception** 1983 Jun; 27(6):553–62
Public support for legal abortion continues, although polls show conflicting trends in 1983. **Fam Plann Perspect** 1983 Nov–Dec;15(6):279–81
Judging teenagers: how minors fare when they seek court–authorized abortions. Donovan P. **Fam Plann Perspect** 1983 Nov–Dec;15(6):259–67
The abortion issue in the 1980 elections. Granberg D, et al. **Fam Plann Perspect** 1983 Sep–Oct;15(5):231–8
The war between the women. Luker K. **Fam Plann Perspect** 1984 May–Jun;16(3):105–10
The public health effects of legal abortion in the United States. Tietze C. **Fam Plann Perspect** 1984 Jan–Feb; 16(1):26–8
Roe v. Wade reaffirmed. Annas GJ. **Hastings Cent Rep** 1983 Aug;13(4):21–2
Abortion as a medical career choice: entrepreneurs, community physicians, and others. Goldstein MS. **J Health Soc Behav** 1984 Jun;25(2):211–29
Legal abortion in Georgia, 1980. Spitz AM, et al. **J Med Assoc Ga** 1984 Feb;73(2):87–91
Having a life versus being alive. Kushner T. **J Med Ethics** 1984 Mar;10(1):5–8
Unwanted pregnancy. A failure of contraceptive education. Fielding W, et al. **J Reprod Med** 1983 Dec;28(12):847–50
The significance of pregnancy among adolescents choosing abortion as compared to those continuing pregnancy. Morin–Gonthier M, et al. **J Reprod Med** 1984 Apr; 29(4):255–9
Congenital abnormalities in legal abortions at 20 weeks' gestation or later. Alberman E, et al. **Lancet** 1984 Jun 2; 1(8388):1226–8
Confidentiality and the Abortion Act [letter] Chambers J. **Lancet** 1984 Jan 21;1(8369):165
Can abortion be legally justified? Esser W. **Med Law** 1984; 3(3):205–16
Clinical estimation of the duration of pregnancy in legal abortion—are doctors biased by their knowledge of the duration of amenorrhoea? Gjørup T, et al. **Methods Inf Med** 1984 Apr;23(2):96–8
Abortion surveillance: preliminary analysis—United States, 1981. **MMWR** 1984 Jul 6;33(26):373–5
Abortion on demand. Rovinsky JJ. **Mt Sinai J Med (NY)** 1984 Jan–Feb;51(1):12–4
Abortion [letter] McArthur JE. **NZ Med J** 1984 May 23; 97(756):341
Late abortions: there is madness in our methods [editorial] **Practitioner** 1984 Mar;228(1389):247, 249
Wrongful birth and wrongful life in Texas. Young MG. **Tex Med** 1984 May;80(5):74–5
[Termination of pregnancy by general practitioners] Rieger HJ. **Dtsch Med Wochenschr** 1984 Aug 17;109(33):1259–61 **(Ger)**
[Request for abortion after the 12th week] Schmidt CW. **Z Arztl Fortbild (Jena)** 1983;77(23):975–7 **(Ger)**
[Clinico-statistical and social considerations on 1,040 cases of voluntary abortion interventions at the Gorgonzola–Melzo Provincial General Hospital] Carusino Vignera A, et al. **Minerva Ginecol** 1983 Jul–Aug; 35(7–8):467–73 (Eng. Abstr.) **(Ita)**
[Better advice is needed both before and after abortion] Claesson U, et al. **Lakartidningen** 1984 Jan 25;81(4):220–2 (Eng. Abstr.) **(Swe)**
[Health personnel in the matter of legal abortion: physicians and other personnel should have the right to refuse to perform abortions] Jacobsson L, et al. **Lakartidningen** 1983 Sep 28;80(39):3541–5 **(Swe)**

ADVERSE EFFECTS

Legal abortion and placenta previa. Grimes DA, et al. **Am J Obstet Gynecol** 1984 Jul 1;149(5):501–4
Hysterectomy as treatment for complications of legal abortion. Grimes DA, et al. **Obstet Gynecol** 1984 Apr; 63(4):457–62
[Late sequela of legal abortion] Obel EB. **Ugeskr Laeger** 1983 Nov 28;145(48):3716–21 (Eng. Abstr.) **(Dan)**
[Negative psychological sequelae and psychiatric sequelae of abortion obtained in a hospital: possible application of an evaluation scale] Brera GR, et al. **Minerva Psichiatr** 1983 Jan–Mar;24(1):19–24 (Eng. Abstr.) **(Ita)**

ECONOMICS

Public funding of contraceptive, sterilization and abortion services, 1982. Nestor B, et al. **Fam Plann Perspect** 1984 May–Jun;16(3):128–33

HISTORY

The evolution of a constitutional right to an abortion. Fashioned in the 1970s and secured in the 1980s. Ford N. **J Leg Med (Chicago)** 1983 Sep;4(3):271–322
The moral status of the human embryo: a tradition recalled. Dunstan GR. **J Med Ethics** 1984 Mar;10(1):38–44

MORTALITY

Fatal hemorrhage from legal abortion in the United States. Grimes DA, et al. **Surg Gynecol Obstet** 1983 Nov; 157(5):461–6

UTILIZATION

Abortion services in the United States, 1981 and 1982. Henshaw SK, et al. **Fam Plann Perspect** 1984 May–Jun; 16(3):119–27
Can effective birth control be legislated? An analysis of factors that predict birth control utilization. Murphy JG, et al. **J Public Health Policy** 1984 Jun;5(2):198–212
The impact of U.S. family planning programs on births, abortions and miscarriages, 1970–1979. Forrest JD. **Soc Sci Med** 1984;18(6):461–5

ABORTION, MISSED

Fetus papyraceus—11 cases. Daw E. **Postgrad Med J** 1983 Sep;59(695):598–600

DRUG THERAPY

Intracervical instillation of PGE2–gel in patients with missed abortion or intrauterine fetal death. Ekman G, et al. **Arch Gynecol** 1983;233(4):241–5

METABOLISM

Increased decidual prostaglandin E concentration in human abortion. Jaschevatzky OE, et al. **Br J Obstet Gynaecol** 1983 Oct;90(10):958–60

PATHOLOGY

Retained fetal bones in chronic tubal pregnancy. Avery DM, et al. **Am J Obstet Gynecol** 1984 Aug 1;149(7):794–5
[Heterotopic tissue in the uterus] Hański W, et al. **Patol Pol** 1983 Apr–Jun;34(2):195–203 (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

Correlation of human chorionic gonadotropin secretion in early pregnancy failure with size of gestational sac and placental histology. Jouppila P, et al. **Obstet Gynecol** 1984 Apr;63(4):537–42
[Advanced abdominal pregnancy with a live fetus] Strehl C, et al. **Ginekol Pol** 1984 Feb;55(2):147–50 (Eng. Abstr.) **(Pol)**

RADIOGRAPHY

Missed abortion presenting as a vascular tumour on hysterosalpingography. Ho A. **Br J Radiol** 1984 Jan; 57(673):102–3

THERAPY

Extraamniotic infusion of prostaglandin F2 alpha in normal saline for termination of midtrimester missed abortion. Jaschevatzky OE, et al. **Eur J Obstet Gynecol Reprod Biol** 1983 Jul;15(3):185–7

ABORTION ON DEMAND see ABORTION, LEGAL

ABORTION SEEKERS see ABORTION APPLICANTS

ABORTION, SEPTIC

BLOOD

[The state of the thrombocytic component of the hemostasis system in patients with infection and septic shock] Makatsariia AD, et al. **Sov Med** 1984;(4):34–9 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Campylobacter coli septicaemia associated with septic abortion. Kist M, et al. **Infection** 1984 Mar–Apr;12(2):88–90
Anti–lipopolysaccharide immunotherapy in management of septic shock of obstetric and gynaecological origin. Lachman E, et al. **Lancet** 1984 May 5;1(8384):981–3

DIAGNOSIS

[Septic abortion: clinical aspects, diagnosis, treatment] Kulavskiĭ VA. **Akush Ginekol (Mosk)** 1984 Feb;(2):73–8 **(Rus)**

ETIOLOGY

Dilated cardiomyopathy and thyrotoxicosis complicated by septic abortion. Hankins GD, et al. **Am J Obstet Gynecol** 1984 May 1;149(1):85–6
Clostridium welchii infection after amniocentesis. Fray RE, et al. **Br Med J [Clin Res]** 1984 Mar 24;288(6421):901–2
Epizootics of ovine abortion due to Toxoplasma gondii in north central United States. Dubey JP, et al. **J Am Vet Med Assoc** 1984 Mar 15;184(6):657–60
Ovine abortion and neonatal death due to toxoplasmosis in Montana. Rhyan JC, et al. **J Am Vet Med Assoc** 1984 Mar 15;184(6):661–4
Campylobacter septic abortion. Jost PM, et al. **South Med J** 1984 Jul;77(7):924
[Erythema nodosum and Campylobacter fetus infection] Garcier F, et al. **Ann Dermatol Venereol** 1983;110(5):449–53 **(Fre)**

OCCURRENCE

Septic abortion in Wellington 1960–1979. Shepherd JM, et al. **NZ Med J** 1984 May 23;97(756):322–4

THERAPY

[Experience with combined treatment using hemosorption in the generalized suppurative–septic infection of puerperae and women with septic abortion] Gerasimovich GI, et al. **Akush Ginekol (Mosk)** 1984 Feb;(2):60–1 (Eng. Abstr.) **(Rus)**

ABORTION, THERAPEUTIC

Uterine rupture as a complication of second–trimester abortion when using prostaglandin F2 alpha together with other oxytocic agents. Malmström H, et al. **Acta Obstet Gynecol Scand** 1984;63(3):271–2
Antiemetic efficacy of droperidol and metoclopramide. Cohen SE, et al. **Anesthesiology** 1984 Jan;60(1):67–9
Damages and the 'unwanted child'. **Br Med J [Clin Res]** 1984 Jan 21;288(6412):244–5
Alive or dead? The eye of the beholder. Del Campo C, et al. **Can J Surg** 1983 Sep;26(5):394–5
The CMA abortion survey [letter] **Can Med Assoc J** 1983 Dec 15;129(12):1259–60
A review of psychiatric aspects for termination of pregnancy. Perera HV. **Ceylon Med J** 1983 Mar;28(1):42–7
Abortion 1983: the controversy continues: II. Healey JM. **Conn Med** 1984 Jun;48(6):413
Immediate postabortion insertion of an IUD. Lehfeldt H. **Eur J Obstet Gynecol Reprod Biol** 1984 May;17(2–3):141–7 (22 ref.)
Awareness of the existence of postcoital contraception among students who have had a therapeutic abortion. Schilling LH. **J Am Coll Health** 1984 Jun;32(6):244–6
Will prenatal diagnosis with selective abortion affect society's attitude toward the handicapped? Motulsky AG, et al. **Prog Clin Biol Res** 1983;128:277–91
Maternal plasma estradiol and progesterone levels during therapeutic abortion induced by 16, 16 dimethyl PGE2 p–benzaldehyde semicarbazone ester. Tan KC, et al. **Prostaglandins Leukotrienes Med** 1984 May;14(2):215–24
[Therapeutic interruption of pregnancy in the second trimester after preparation of the cervix with prostaglandins F2 alpha] Maria B, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1983;12(5):545–52 (Eng. Abstr.) **(Fre)**
[Study of the endometrium following voluntary interruption of pregnancy in relation to the contraceptive method used following abortion] Sindayirwanya JB, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1983;12(4):351–62 (Eng. Abstr.) **(Fre)**
[Therapeutic abortions] Achour M, et al. **Maroc Med** 1983 Jun;5(2):184–90 (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

Sequelae of therapeutic abortion [letter] Cattanach JF. **Med J Aust** 1984 Sep 1;141(5):316–7
Sequelae of therapeutic abortion. Fraser IS. **Med J Aust** 1984 May 26;140(11):639–40
Therapeutic abortion, premature labour and cervical

incompetence [letter] Furness ET. **Med J Aust** 1983 Dec 10–24;2(12):604

INSTRUMENTATION

[Use of a urinary balloon catheter in abortions after the 20th week of gestation and in premature labor] Iordanov K, et al. **Akush Ginekol (Sofiia)** 1983;22(2):97–9 (Eng. Abstr.) **(Bul)**

METHODS

The use of real-time ultrasound as an aid during difficult therapeutic abortion procedures. Goldenberg RL, et al. **Am J Obstet Gynecol** 1984 Mar 15;148(6):826–7

TRENDS

Termination of pregnancy in teenagers. Krishnamoni D, et al. **Can J Psychiatry** 1983 Oct;28(6):457–61

ABORTION, THREATENED

BLOOD

Sex-hormone-binding globulin (SHBG) in serum in threatened abortion. Hertz JB, et al. **Acta Endocrinol (Copenh)** 1983 Nov;104(3):381–4

Use of circulating progesterone and estradiol levels to predict outcome of pregnancy in cases of threatened abortion. Adelusi B, et al. **East Afr Med J** 1983 May;60(5):323–7

[Serum ferritin levels in normal pregnancy and in women in threatened abortion and premature labor] Sirakov M, et al. **Akush Ginekol (Sofiia)** 1984;23(1):10–3 (Eng. Abstr.) **(Bul)**

[Cholesterol, triglyceride and apolipoprotein concentrations in the serum and lipoprotein fractions in the first trimester of normal pregnancy and threatened abortion] Marianowski L, et al. **Ginekol Pol** 1984 Mar;55(3):177–84 (Eng. Abstr.) **(Pol)**

[Serum AFP concentration in threatened abortion] Woyton J, et al. **Wiad Lek** 1983 Sep 1;36(17):1411–4 (Eng. Abstr.) **(Pol)**

[Effect of serum on lymphocyte chromatin properties in threatened abortion] Tolmachev VS. **Akush Ginekol (Mosk)** 1983 Oct;(10):51–4 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Subchorionic bleeding in threatened abortion: sonographic findings and significance. Goldstein SR, et al. **AJR** 1983 Nov;141(5):975–8

Prognostic predictions of threatened abortion. A comparison between real-time ultrasound, clinical assessment and urinary human chorionic gonadotrophin (HCG). Ping SK. **Aust NZ J Obstet Gynaecol** 1983 May;23(2):99–102

Prognostic value of biochemical tests in the assessment of fetal outcome in threatened abortion. Salem HT, et al. **Br J Obstet Gynaecol** 1984 Apr;91(4):382–5

Plasma renin substrate in the prediction of pregnancy outcome in threatened abortion. Siimes AS, et al. **Br J Obstet Gynaecol** 1983 Dec;90(12):1186–92

Obstetric ultrasonography: recent observations in first trimester of pregnancy. Pedersen JF, et al. **Eur J Radiol** 1984 May;4(2):167–8

Human chorionic gonadotrophin and pregnancy-specific beta-1-glycoprotein in predicting pregnancy outcome and in association with early pregnancy vomiting. Kauppila A, et al. **Gynecol Obstet Invest** 1984;18(1):49–53

Diagnostic procedures in threatened abortion. Hertz JB. **Obstet Gynecol** 1984 Aug;64(2):223–9

[Diagnostic value of plasma progesterone in nonendocrine incipient abortions in the 1st trimester] Rachev E. **Akush Ginekol (Sofiia)** 1983;22(4):270–3 (Eng. Abstr.) **(Bul)**

[Prognosis of threatened abortion and serum levels of TBG] Wanibe S, et al. **Kaku Igaku** 1984 Feb;21(2):155–63 **(Jpn)**

ENZYMOLOGY

[Prognostic value of changes in serum histaminase (DAO) activity in cases of threatened abortion] Kamiński K, et al. **Przegl Lek** 1984;41(2):205–7 (Eng. Abstr.) **(Pol)**

ETIOLOGY

Clinical evaluation of uterine hemorrhage in early pregnancy. Krzysiek J. **Ginekol Pol** 1984 Feb;55(2):109–14

FAMILIAL & GENETIC

[Properties of chromatin of peripheral blood lymphocytes in women with threatened abortion] Tolmachev VS, et al. **Biull Eksp Biol Med** 1984 Feb;97(2):181–3 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

[Prognostic value of immunoglobulin determination in women with threatened abortion] Donat H, et al. **Zentralbl Gynakol** 1984;106(12):814–26 (Eng. Abstr.) **(Ger)**

[Clinico-immunologic studies in threatened abortion] Dzoz LS, et al. **Akush Ginekol (Mosk)** 1983 Dec;(12):28–9 (Eng. Abstr.) **(Rus)**

[Immunologic indicators in threatened abortion] Shcherbakova VV, et al. **Akush Ginekol (Mosk)** 1983 Dec; (12):29–31 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Correlation of human chorionic gonadotropin secretion in early pregnancy failure with size of gestational sac and placental histology. Jouppila P, et al. **Obstet Gynecol** 1984 Apr;63(4):537–42

PREVENTION & CONTROL

[Use of tocolysis as a routine method of preventing spontaneous abortions and premature labor] Veselinov Kh. **Akush Ginekol (Sofiia)** 1983;22(2):93–7 (Eng. Abstr.) **(Bul)**

[Complete surgical obliteration of the cervix uteri (Szendi's technic) in the treatment of threatened premature labor] Cesák L. **Cesk Gynekol** 1983 Apr;48(3):195–7 **(Cze)**

[Characteristics of the course and management of pregnancy and labor in women at risk for abortion] Chernomaz LN, et al. **Akush Ginekol (Mosk)** 1983 Dec;(12):34–5 (Eng. Abstr.) **(Rus)**

THERAPY

[Effects of laser-puncture therapy in threatened abortion on the hormone content of the blood] Dzhvebenava GG, et al. **Akush Ginekol (Mosk)** 1983 Dec;(12):32–3 (Eng. Abstr.) **(Rus)**

ABORTION, VETERINARY

Leptospiral infection in aborted equine foetuses. Ellis WA, et al. **Equine Vet J** 1983 Oct;15(4):321–4

Pregnancy toxemia, abortions, and periparturient diseases. East NE. **Vet Clin North Am [Large Anim Pract]** 1983 Nov; 5(3):601–18 (26 ref.)

[Induction of lactation in dry cows with mummified fetuses] Berchtold M, et al. **DTW** 1983 Oct 6;90(10):389–90 (Eng. Abstr.) **(Ger)**

CHEMICALLY INDUCED

Abortion in sows after injection of a suspension of penicillin and streptomycin. Lynch PJ. **Aust Vet J** 1984 Jan;61(1):29

Accidental monensin sodium intoxication of feedlot cattle. Schweitzer D, et al. **J Am Vet Med Assoc** 1984 May 15; 184(10):1273–6

DIAGNOSIS

Diagnostic studies of the fetus, placenta and maternal blood from 265 bovine abortions. Jerrett IV, et al. **Cornell Vet** 1984 Jan;74(1):8–20

Role of enzootic abortion and toxoplasmosis in an outbreak of abortion in a Scottish sheep flock. Brodie TA, et al. **Vet Rec** 1983 Nov 5;113(19):437–40

[Serological study of chlamydial abortion in sheep] Martinov S. **Vet Med Nauki** 1983;20(8):8–16 (Eng. Abstr.) **(Bul)**

ETIOLOGY

Bovine abortion associated with Leptospira interrogans serovar hardjo infection. Slee KJ, et al. **Aust Vet J** 1983 Jul;60(7):204–6

Experiments to demonstrate routes of transmission of ovine enzootic abortion. Wilsmore AJ, et al. **Br Vet J** 1984 Jul–Aug;140(4):380–91

Epizootics of ovine abortion due to Toxoplasma gondii in north central United States. Dubey JP, et al. **J Am Vet Med Assoc** 1984 Mar 15;184(6):657–60

Brucella ovis-induced abortion in ewes. Libal MC, et al. **J Am Vet Med Assoc** 1983 Sep 1;183(5):553–4

Ovine abortion and neonatal death due to toxoplasmosis in Montana. Rhyan JC, et al. **J Am Vet Med Assoc** 1984 Mar 15;184(6):661–4

Abortion due to histoplasmosis in a mare. Saunders JR, et al. **J Am Vet Med Assoc** 1983 Nov 15;183(10):1097–9

Septic abortion caused by Salmonella heidelberg in a white-handed gibbon. Thurman JD, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1325–6

Mycotic abortions in equines. Monga DP, et al. **Mykosen** 1983 Dec;26(12):612–4

Clinical findings and pathological changes in Histophilus ovis infections of sheep. Webb RF. **Res Vet Sci** 1983 Jul; 35(1):30–4

The effects of intra-amniotic inoculation of Hemophilus somnus on the bovine fetus and dam. Miller RB, et al. **Vet Pathol** 1983 Sep;20(5):574–83

Mannosidosis in aborted and stillborn Galloway calves. Borland NA, et al. **Vet Rec** 1984 Apr 21;114(16):403–4

Isolation of Leptospira interrogans serovar hardjo from a viable premature calf. Giles N, et al. **Vet Rec** 1983 Aug 20;113(8):174–6

[Chlamydial infection in mass abortions in goats] Martinov S. **Vet Med Nauki** 1984;21(5):33–40 (Eng. Abstr.) **(Bul)**

[Abortion in cattle] de Kruif A. **Tijdschr Diergeneeskd** 1984 Feb 15;109(4):117–24 (Eng. Abstr.) **(Dut)**

MICROBIOLOGY

Mass abortion caused by infectious rhinotracheitis (IBR/IPV) virus in a beef cattle herd. Tanyi J, et al. **Acta Vet Hung** 1983;31(4):135–43

Abortion in the dog due to Campylobacter species. Bulgin MS, et al. **Am J Vet Res** 1984 Mar;45(3):555–6

Multiple apparent Sarcocystis abortion in four bovine herds. McCausland IP, et al. **Cornell Vet** 1984 Apr;74(2):146–54

The first isolation of Leptospira interrogans serovar pomona from cattle in Botswana. Herr S, et al. **J S Afr Vet Assoc** 1983 Jun;54(2):83–4

Leptospira interrogans serovar hardjo in pigs: a new host-parasite relationship in the United Kingdom. Hathaway SC, et al. **Vet Rec** 1983 Aug 13;113(7):153–4

Direct isolation of the agent of enzootic abortion of ewes (Chlamydia psittaci) in cell cultures. Johnson FW, et al. **Vet Rec** 1983 Oct 29;113(18):413–4

Simple transport medium for the isolation of Chlamydia psittaci from clinical material. Spencer WN, et al. **Vet Rec** 1983 Dec 3;113(23):535–6

[Isolation of Chlamydia psittaci from an aborted bovine fetus] Trávniček M, et al. **Vet Med (Praha)** 1984 Mar;29(3):133–6 (Eng. Abstr.) **(Slo)**

OCCURRENCE

Equine herpesvirus abortion in Australia 1977 to 1982. Sabine M, et al. **Equine Vet J** 1983 Oct;15(4):366–70

Abortion and stillbirth associated with Chlamydia psittaci var ovis in dairy goats with high titers to Toxoplasma gondii. Gunson DE, et al. **J Am Vet Med Assoc** 1983 Dec 15;183(12):1447–50

[Steroid hormone profile in pregnant cows following laparotomy with special reference to the further course of pregnancy] Janowski T, et al. **Zentralbl Veterinarmed [A]** 1984 Mar;31(2):119–31 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Knotted umbilical cord as a cause of death in a Cercopithecus aethiops fetus. Brady AG. **Lab Anim Sci** 1983 Aug; 33(4):375–6

Lymphosarcoma in an aborted equine fetus. Haley PJ, et al. **Vet Pathol** 1983 Sep;20(5):647–9

PREVENTION & CONTROL

A common code of practice for the control of contagious equine metritis and other equine reproductive diseases for the 1984 covering season in France, Ireland and the United Kingdom. **Vet Rec** 1983 Nov 26;113(22):512–5

Trials of an inactivated equid herpesvirus 1 vaccine: challenge with a subtype 1 virus. Burrows R, et al. **Vet Rec** 1984 Apr 14;114(15):369–74

Vaccination against enzootic abortion in ewes [letter] Prydie J. **Vet Rec** 1984 Mar 24;114(12):304

Vaccination with temperature-sensitive mutant of Chlamydia psittaci against enzootic abortion of ewes. Rodolakis A, et al. **Vet Rec** 1984 Feb 25;114(8):193–4

ABREACTION

Experimental study of aggression and catharsis in Japanese. Tachibana Y, et al. **Percept Mot Skills** 1984 Feb; 58(1):207–12

An outcome study of primal therapy. Dahl AA, et al. **Psychother Psychosom** 1983;39(3):154–64

ABRIN see under **PLANT PROTEINS**

ABRUPTIO PLACENTAE

[Total abruption of the placenta in elective cesarean section during epidural blockade] Willdeck-Lund G, et al. **Lakartidningen** 1984 May 2;81(18):1816–7 **(Swe)**

COMPLICATIONS

Changes of the clinical presentation of abruptio placentae. Kuhn W, et al. **Eur J Obstet Gynecol Reprod Biol** 1984 May;17(2–3):131–40

Relationship of hypertensive disease to abruptio placentae. Abdella TN, et al. **Obstet Gynecol** 1984 Mar;63(3):365–70

[Treatment of coagulation disorders complicating premature detachment of the placenta] Boulanger JC, et al. **Ag. assologie** 1983 Nov;24(10):505–7 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Abruptio placentae: an unusual ultrasonic presentation. Hill LM, et al. **Am J Obstet Gynecol** 1984 Apr 15;148(8):1144–5

Late abruptio placenta in trauma patients: implications for monitoring. Higgins SD, et al. **Obstet Gynecol** 1984 Mar; 63(3 Suppl):10S–12S

IMMUNOLOGY

[Immunocomplexes in acute placenta pathology] Daluiso BD, et al. **Minerva Ginecol** 1983 Oct;35(10):629–33 (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

Pseudosinusoidal fetal heart rate patterns. Hofmeyr GJ, et al. **Br J Obstet Gynaecol** 1983 Dec;90(12):1193–4

ABSCESS

Pathophysiology, diagnosis, and treatment of abdominal abscesses. Hau T, et al. **Curr Probl Surg** 1984 Jul;21(7):1–82

(215 ref.)
Citrobacter abscess of the foot. A case report. Feldman A, et al. **J Am Podiatry Assoc** 1984 Apr;74(4):192–5
Case report: tuberculous abscess of the spleen. Farrer WE, et al. **J Med Soc NJ** 1984 Apr;81(4):317–9
Pelvic abscess associated with a Lippes loop. An unusual case. Hochner-Celnikier D, et al. **J Reprod Med** 1983 Aug; 28(8):542–5
Retropharyngeal abscess—a ten-year experience. Barratt GE, et al. **Laryngoscope** 1984 Apr;94(4):455–63
Classics in infectious diseases. 'On abscesses'. Alexander Ogston (1844–1929). **Rev Infect Dis** 1984 Jan–Feb; 6(1):122–8
[Retroperitoneal abscess today. General review apropos of 3 cases] Moulonguet A, et al. **Ann Chir** 1983 Nov; 37(8):637–42 (Eng. Abstr.) (Fre)
[General review of splenic abscess (with the exception of amebic and tuberculous)] Elkabbaj M. **Maroc Med** 1983 Jun;5(2):136–41 (Eng. Abstr.) (Fre)
[The tubo-ovarian abscess] Friedberg V, et al. **Gynakologe** 1984 Jun;17(2):143–7 (Ger)
[Perianal and anorectal inflammations, abscesses and fistulas] Klug W, et al. **Z Arztl Fortbild (Jena)** 1984;78(11):447–50 (Ger)
[Complications of appendectomy] Mirza-Avakian GL, et al. **Klin Khir** 1984 Apr;(4):45–6 (Rus)

BLOOD

[Role of the leukocytic index of toxemia in evaluation of the treatment of purulent diseases] Teplyi VK, et al. **Vrach Delo** 1983 Jul;(7):59–60 (Eng. Abstr.) (Rus)

CHEMICALLY INDUCED

Production of intraepidermal microabscesses by topical application of leukotriene B4. Camp R, et al. **J Invest Dermatol** 1984 Feb;82(2):202–4

COMPLICATIONS

Myocardial abscess due to Klebsiella pneumoniae complicating acute infarction. Maslow MJ, et al. **Am J Med Sci** 1984 Jan–Feb;287(1):58–60
Colonic complications of acute pancreatitis and pancreatic abscess. Russell JC, et al. **Am J Surg** 1983 Nov; 146(5):558–64
Splenic abscess complicating infectious endocarditis. Johnson JD, et al. **Arch Intern Med** 1983 May;143(5):906–12
Abscess splenic and infectious endocarditis [letter] Le TH, et al. **Arch Intern Med** 1984 Feb;144(2):414
Septic cavernous sinus thrombosis associated with gingivitis and parapharyngeal abscess. Harbour RC, et al. **Arch Ophthalmol** 1984 Jan;102(1):94–7
An unusual rectal fistula: extradural abscess discharging per rectum. Jamison MH, et al. **Br J Surg** 1984 Aug;71(8):651–2
Small bowel obstruction secondary to intraabdominal abscesses. Vo NM, et al. **Conn Med** 1983 Aug;47(8):460–2
Splenic abscess associated with Streptococcus bovis septicemia and neoplastic lesions of the colon. Belinkie SA, et al. **Dis Colon Rectum** 1983 Dec;26(12):823–4
Paraplegia secondary to pyogenic epidural abscess. Iwegbu CG. **East Afr Med J** 1983 Sep;60(9):640–4
Perianal disease in children and adolescents with Crohn's disease. Markowitz J, et al. **Gastroenterology** 1984 May;86(5 Pt 1):829–33
Transverse cervical myelopathy: an unusual complication of retropharyngeal abscess. Heilbronn YD, et al. **Head Neck Surg** 1984 Jul–Aug;6(6):1051–3
Ruptured splenic abscess. Vohra R, et al. *J Indian Med Assoc 1983 Sep;81(5–6):91–3*
Life-threatening peripharyngeal suppuration. Johnson AP, et al. **J Laryngol Otol** 1984 Apr;98(4):429–35
Retropharyngeal abscess associated with progressive quadriplegia, an epidural abscess, renal failure, and jaundice. Koopmann CF Jr, et al. **Otolaryngol Head Neck Surg** 1984 Feb;92(1):114–8
Hip pain in patient with Crohn's disease. Occult retroperitoneal abscess as cause. Anderson RB, et al. **Postgrad Med** 1984 Apr;75(5):117–8, 120, 124
Meningitis secondary to retropharyngeal abscess. Report of a case occurring in association with cervical spine fracture. Benoit BG, et al. **Spine** 1983 May–Jun;8(4):438–9
Perirenal abscess and urinary calculus in pregnancy. Fitz-Henley M, et al. **West Indian Med J** 1983 Sep; 32(3):181–3
[Suppurative mediastinitis following tooth extraction in sympathetic pericardial effusion] Stiegler H, et al. **Chirurg** 1983 Sep;54(9):617–20 (Ger)
[Toxic shock syndrome in a gluteal abscess caused by an injection] Brand S. **Schweiz Med Wochenschr** 1984 Jun 30; 114(26):960–5 (Eng. Abstr.) (Ger)
[Abscess of the spleen] Leshchenko AP, et al. **Vestn Khir** 1984 Apr;132(4):123–4 (Rus)
[Paraplegia in a heroin addict caused by an epidural staphylococcal abscess (letter)] Aramburu V, et al. **Med Clin (Barc)** 1984 Jan 14;82(1):40 (Spa)

DIAGNOSIS

Renal abscess in infancy. Pintér AB, et al. **Acta Paediatr Hung** 1983;24(3):287–90
The role of percutaneous aspiration in the diagnosis of pancreatic abscess. Hill MC, et al. **AJR** 1983 Nov; 141(5):1035–8
Echographic recognition of perivalvular infection complicating aortic bacterial endocarditis. Come PC, et al. **Am Heart J** *1984 Jul;108(1):166–8*
Subareolar abscess of the breast: diagnosis by fine-needle aspiration. Galblum LI, et al. **Am J Clin Pathol** 1983 Oct; *80(4):496–9*
Laparotomy for intra-abdominal sepsis in patients in an intensive care unit. Sinanan M, et al. **Arch Surg** 1984 Jun; *119(6):652–8*
The search for pus. Polk HC, et al. **Br J Hosp Med** 1983 Sep;30(3):199, 201–2 (25 ref.)
Pancreatic abscess: an incomplete descriptive phrase [letter] Glazer G, et al. **Br J Surg** 1984 May;71(5):401
Splenic abscess: a review with the value of ultrasound. Hertzanu Y, et al. **Clin Radiol** 1983 Nov;34(6):661–7
Spinal epidural abscess: a case report. Cooper K. **Del Med J** 1984 Jun;56(6):343–8
Infected ectopic pregnancy *presenting as unilateral* tubo-ovarian abscess. Dicker D, et al. **Eur J Obstet Gynecol Reprod Biol** 1984 Jun;17(4):237–45
An oriental traveler with abdominal pain. Hoffman T. **Hosp Pract [Off]** 1984 Feb;19(2):139, 145, 148A
Retropharyngeal abscesses in infants. Ravindra C, et al. **Indian J Pediatr** 1983 Jul–Aug;50(405):449–50
Splenic abscess: ultrasound and CT appearances. O'Neill G, et al. **Ir Med J** 1983 Aug;76(8):355–6
Ultrasonically guided percutaneous aspiration and drainage of intra-abdominal abscesses. Dintenfass NJ. **J Am Osteopath Assoc** 1983 Sep;83(1):34–9, 41
Spinal epidural abscess caused by streptococcus MG intermedius with complicating leptomeningitis: report of case. Pawlak A, et al. **J Am Osteopath Assoc** 1984 Apr; 83(8):589–92
Acute spinal epidural abscess [letter] Basu A, et al. **J Assoc Physicians India** 1984 Apr;32(4):384
Retroperitoneal and retrofascial abscesses. A review. Simons GW, et al. **J Bone Joint Surg [Am]** 1983 Oct;65(8):1041–58 (63 ref.)
Inguinal abscess caused by Rhizopus rhizopodiformis: successful treatment with surgery and amphotericin B. West BC, et al. **J Clin Microbiol** 1983 Dec;18(6):1384–7
Foci of chronic circumscribed osteomyelitis (Brodie's abscess) that traverse the epiphyseal plate. Bogoch E, et al. **J Pediatr Orthop** 1984 Mar;4(2):162–9
Intradiaphragmatic abscess. Farquharson SM. **J R Coll Surg Edinb** 1984 Mar;29(2):117–8
High-resolution sonographic detection of a gas-forming testicular abscess in a renal transplant patient. Danielson KS, et al. **J Ultrasound Med** 1984 Jan;3(1):45–7
The diagnosis and management of *renal inflammatory* processes in children. Levin R, et al. **J Urol** 1984 Oct; 132(4):718–21
Intrarenal abscess in a transplant organ. Rao MM, et al. **J Urol** 1983 Nov;130(5):971–2
Idiopathic retroperitoneal abscesses [letter] Merchant AA, et al. **JPMA** 1984 Jun;34(6):202
Renal abscess without preexisting structural abnormality. Higham M, et al. **Pediatr Infect Dis** 1984 Mar–Apr; 3(2):138–41
Diagnosis of liver-spleen abscesses in children—with emphasis on ultrasound for the initial and follow-up examinations. Laurin S, et al. **Pediatr Radiol** 1984; 14(4):198–204
Splenic abscess diagnosed by ultrasound in the pediatric patient. Report of three cases. Rudick MG, et al. **Pediatr Radiol** 1983;13(5):269–71
Medical therapy for suppurative renal infections. Glaser JH, *et al. Pediatrics 1984 May;73(5):726–8*
Intraabdominal abscesses. Diagnosis by sonography and computed tomography. Mueller PR, et al. *Radiol Clin North Am 1983 Sep;21(3):425–43 (59 ref.)*
Hyperechoic foci in the gallbladder wall as a sign of microabscess formation or diverticula. Graif M, et al. **Radiology** 1984 Sep;152(3):781–4
Pyogenic psoas abscesses: noninvasive diagnostic techniques and review of the literature. Gordin F, et al. **Rev Infect Dis** 1983 Nov–Dec;5(6):1003–11
Mianserin induced agranulocytosis presenting as an abscess. Brumé J, et al. **Scott Med J** 1983 Oct;28(4):373–4
Retropharyngeal pseudomasses. Sneed WF, et al. **South Med J** 1984 Apr;77(4):528–30
Abdominal sepsis in the surgical intensive care unit. Herman CM. **Surg Annu** 1984;16:1–12 (26 ref.)
Reasons for delay of the diagnosis of acute appendicitis. Buchman TG, et al. **Surg Gynecol Obstet** 1984 Mar; 158(3):260–6
[Chronic splenic abscess : a case report] Tredoux JG, et al. **S Afr Med J** 1984 Jul 14;66(2):68–71 (Eng. Abstr.) (Afr)
[The value of echography in the diagnosis of intra-abdominal abscesses] Heevel JG, et al. **Ned Tijdschr Geneeskd** 1984 Mar 24;128(12):546–8 (Eng. Abstr.) (Dut)
[Multiple splenic and renal abscesses caused by Candida albicans: a new diagnostic and therapeutic method using intraoperative echography and closure of the residual cavities with biological glue] Giannotta A, et al. **J Urol (Paris)** 1983;89(9):695–9 (Eng. Abstr.) (Fre)
[Retroperitoneal abscesses today. General review apropos of 3 cases] Moulonguet A, et al. **Sem Hop Paris** 1984 Apr 19;60(17):1233–8 (Eng. Abstr.) (Fre)
[Sonography and computed tomography in postoperative abdominal abscesses] Voegeli E, et al. **Radiologe** 1984 Feb; 24(2):90–4 (Eng. Abstr.) (Ger)
[Flank edema as a sign of retroperitoneal abscess] Naschitz JE, et al. **Harefuah** 1984 Apr 1;106(7):303–4 (Eng. Abstr.) (Heb)
[Demonstration of abdominal abscesses with Ga-67-citrate scintigraphy and ultrasonography] Bálint I, et al. **Orv Hetil** 1983 Jul 24;124(30):1805–8 (Eng. Abstr.) (Hun)
[Ultrasonic diagnosis of acute gangrenous cholecystitis and pericholecystic abscess] Mori H, et al. **Rinsho Hoshasen** 1983 Nov;28(12):1515–8 (Eng. Abstr.) (Jpn)
[Isolated splenic abscess] Sworczak K, et al. Pol Tyg Lek 1984 Feb 13;39(7):219–20 (Eng. Abstr.) (Pol)
[Chloromycosis of subcutaneous tissue] Hański W. *Przegl Dermatol 1983 May–Jun;70(3):277–82 (Eng. Abstr.)* (Pol)
[Primary gonorrheal penile skin abscesses] Starzycki Z. *Przegl Dermatol 1982 Sep–Dec;69(5–6):459–63 (Eng.* Abstr.) (Pol)
[Infrared thermography of suppurative wounds] Orlov GA, et al. **Sov Med** *1983;(11):107–8* (Rus)
[Clinical aspects and treatment of acute suppurative inflammatory processes of the maxillofacial area in diabetes mellitus patients] *Guselnov RR. Stomatologiia (Mosk) 1984* Jan–Feb;63(1):48–50 (Eng. Abstr.) (Rus)
[Diagnosis of phlegmons and abscesses of the maxillofacial area by the combined use of the methods of thermography and of determining tissue oxygen tension and oxidative-reductive potential] Liuliakin AI. **Stomatologiia (Mosk)** 1984 Jul–Aug;63(4):26–8 (Eng. Abstr.) (Rus)
[Primary abscess of the psoas muscle. Presentation of 2 cases] Llopis Mínguez B, et al. **Actas Urol Esp** 1983 Sep–Oct; 7(5):389–92 (Eng. Abstr.) (Spa)
[Non-tropical pyomyositis. Description of a case (letter)] Esteban JI, et al. **Med Clin (Barc)** 1983 Sep 10;81(6):281 (Spa)
[Bacterial myositis, a tropical disease. Report of a case in temperate climate] Antúnez Díaz M, et al. **Rev Clin Esp** 1983 Oct 31;171(2):151–2 (Spa)

DRUG THERAPY

Experimental aspects of intraabdominal abscess. Bartlett JG. **Am J Med** 1984 May 15;76(5A):91–8
Effects of vitamin A and beta carotene on intra-abdominal sepsis. Demetriou AA, et al. **Arch Surg** 1984 Feb; 119(2):161–5
Erythromycin in the management of troublesome BCG lesions. Power JT, et al. **Br J Dis Chest** 1984 Apr; 78(2):192–4
Effect of gentamicin on abscesses caused by Bacteroides species [letter] Brook I, et al. **Eur J Clin Microbiol** 1983 Dec;2(6):602–4
Therapy of anaerobic infections. Wilkins TD, et al. **Infection** 1983;11 Suppl 2:S105–8
Splenic abscess: successful non-surgical therapy. Jolobe OM, et al. **Postgrad Med J** 1983 Jun;59(692):386–7
Prospective, randomized, comparative trials in the therapy for intraabdominal and female genital tract infections. Harding GK, et al. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl *1:S283–92*
Bacteroides fragilis pelvic abscess: resolution with metronidazole therapy alone. Girón JA, et al. *South Med J 1984 Feb;77(2):232–4*
Medical treatment of splenic abscess. Tooke MC. **South Med J** 1983 Dec;76(12):1572–4
Cephalosporin resistance in strains of Klebsiella oxytoca isolated during antibiotic therapy. Then RL, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Jul; 254(4):469–79
[In vivo effects of cefoperazone in local infection] Kumano K, et al. **Jpn J Antibiot** 1983 Dec;36(12):3450–5 (Eng. Abstr.) (Jpn)
[Early effective antibacterial therapy of suppurative processes and purulent complications after surgery] Furmanenko NF, et al. **Klin Khir** 1984 Jan;(1):68–70 (Eng. Abstr.) (Rus)
[Experience in the use of SKN-1K sorbent in the treatment of purulent wounds] Taranenko LD, et al. **Klin Khir** 1984 Jan;(1):44–6 (Eng. Abstr.) (Rus)
[Observations on the treatment of inflammatory diseases in gynecology and obstetrics with clindamycin] Grčić R, et al. **Srp Arh Celok Lek** 1983 Mar;111(3):327–34 (Scc)

ETIOLOGY

Gonococcal proctitis with skin abscess. Fiumara NJ, et al. **Am Fam Physician** 1984 Aug;30(2):173–4
Psoas muscle abscess due to Yersinia enterocolitica. Kahn FW, et al. **Am J Med** 1984 May;76(5):947–9
Epidural abscess following multiple spinal anaesthetics. Beaudoin MG, et al. **Anaesth Intensive Care** 1984 May; 12(2):163–4
Traumatic lens abscess: report of a case. Liesegang TJ. **Ann Ophthalmol** 1983 Dec;15(12):1151–4
Corneal abscesses in silicone and soft contact lens wearers. Rosner M, et al. **Ann Ophthalmol** 1983 Oct;15(10):949–52
Candida albicans skin abscesses. Hensey OJ, et al. **Arch Dis Child** 1984 May;59(5):479–80
BCG vaccination as a cause of osteomyelitis and subcutaneous abscess. Peltola H, et al. **Arch Dis Child** 1984 Feb;59(2):157–61

Aortoiliac graft infection and pancreatic abscess due to Candida albicans [letter] Worthington M, et al. **Arch Surg** 1984 Feb;119(2):245

Intra-abdominal abscess formation in mice: quantitative studies on bacteria and abscess-potentiating agents. Nulsen MF, et al. **Br J Exp Pathol** 1983 Aug;64(4):345–53

Pancreatic abscess: a review of seventeen cases. Kaushik SP, et al. **Br J Surg** 1984 Feb;71(2):141–3

Transcatheter arterial embolization--major complications *and their prevention. Miller FJ Jr, et al.* **Cardiovasc Intervent Radiol** 1983;6(3):141–9 (55 ref.)

Nocardia osteomyelitis and epidural abscess in the *nonimmunosuppressed host. Petersen JM, et al.* **Cleve Clin Q** 1983 Winter;50(4):453–9

Septic arthritis and thigh abscess after dilatation and *curettage. Struthers GR, et al. Clin Rheumatol 1984 Mar;* 3(1):71–3

Orbital abscess secondary to ethmoidal sinusitis. NaPier BL. *Ear Nose Throat J 1983 Oct;62(10):49, 52–4, 56*

Appendiceal abscess in cystic fibrosis. A diagnostic challenge. McCarthy VP, et al. **Gastroenterology** 1984 Mar; *86(3):564–8*

Deep neck abscesses secondary to methylphenidate (Ritalin) abuse. Zemplenyi J, et al. **Head Neck Surg** 1984 Mar–Apr; *6(4):858–60*

Paratracheal abscess after tracheostomy. Cole AG, et al. **Intensive Care Med** 1983;9(6):345–7

Xanthogranulomatous pyelonephritis presenting as a psoas abscess. Grainger R, et al. **Ir Med J** 1984 Feb;77(2):43–4

Splenic abscess caused by Shigella flexneri and Bacteroides fragilis. Drow DL, et al. **J Clin Microbiol** 1984 Jan; *19(1):79–80*

Pathogenicity of encapsulated Bacteroides melaninogenicus group, B. oralis and B. ruminicola subsp. brevis in abscesses in mice. Brook I, et al. **J Infect** 1983 Nov;7(3):218–26

Disseminated cutaneous abscesses caused by atypical mycobacterium. Report of 2 cases. Youngchaiyud U, et al. **J Med Assoc Thai** 1983 Sep;66(9):551–7

Epidural abscess complicating Swenson procedure: a case report and a review of the literature. Watters DA, et al. **J Pediatr Surg** 1984 Apr;19(2):218–20

Does surgical glove powder decrease the inoculum of bacteria required to produce an abscess? Jaffray DC, et al. **J R Coll Surg Edinb** 1983 Jul;28(4):219–22

Diagnosis and management of psoas abscess in Crohn's disease. Durning P, et al. **J R Soc Med** 1984 Jan;77(1):33–4

Septic discitis presenting as a psoas abscess. Short DJ, et al. **J R Soc Med** 1983 Dec;76(12):1066–8

Torulopsis glabrata perinephric abscess. Khauli RB, et al. **J Urol** 1983 Nov;130(5):968–70

Cold abscess after accidental BCG inoculation [letter] Warren JP, et al. **Lancet** 1984 Aug 4;2(8397):289

Non-Hodgkin's lymphoma of the pancreas producing acute pancreatitis and pancreatic abscess. Freed JS, et al. **Mt Sinai J Med (NY)** 1983 Sep–Oct;50(5):424–7

Scalp abscess associated with Mycoplasma hominis infection complicating intrapartum monitoring. Glaser JB, et al. **Pediatr Infect Dis** 1983 Nov–Dec;2(6):468–70

Mycobacterium chelonei facial abscess: case presentation and review of cutaneous infection due to Runyon Group IV organisms. Hamrick HJ, et al. **Pediatr Infect Dis** 1984 Jul–Aug;3(4):335–40

Intraabdominal sepsis. Siegel JD. **Pediatr Infect Dis** 1984 May–Jun;3(3 Suppl):S18–21

Orbital abscess following blepharoplasty. Rees TD, et al. **Plast Reconstr Surg** 1984 Jan;73(1):126–7

Acute sacral epidural abscess following local anaesthetic injection. Rustin MH, et al. **Postgrad Med J** 1983 Jun; *59(692):399–400*

Secondary infection of an endometrioma following fine-needle aspiration. Martino CR, et al. **Radiology** 1984 *Apr;151(1):53–4*

Left side abdominal abscess from a retroperitoneal perforation of a duodenal ulcer. Catalano D, et al. **ROFO** 1984 Jul;141(1):111–3

Postembolization splenic abscess in a patient with pancreatitis and splenic vein thrombosis. Jones KB, et al. **South Med J** 1984 Mar;77(3):390–3

Infections of the heart complicating acute myocardial infarction. Silliman RA, et al. **South Med J** 1984 Jul; 77(7):934–6

[Infectious iatrogenic complications of continuous epidural analgesia] Ducrocq JL, et al. **Agressologie** 1983 Apr; 24(4):179–80 (Eng. Abstr.) **(Fre)**

[Severe infectious complication of soft hydrophilic lenses] Maibrel C, et al. **Bull Soc Ophtalmol Fr** 1983 Jun–Jul; 83(6–7):761–3 (Eng. Abstr.) **(Fre)**

[IUD–deformation and unusual complications of intrauterine contraception] Windelband M, et al. **Zentralbl Gynakol** 1984;106(9):596–600 (Eng. Abstr.) **(Ger)**

[Complications of pacing] Igari T, et al. **Rinsho Kyobu Geka** 1984 Jan;4(1):25–9 (Eng. Abstr.) **(Jpn)**

[Abscess of the gluteal region caused by a prolonged presence of a foreign body] Gavrilenko BG, et al. **Klin Khir** 1984 Jan;(1):76 **(Rus)**

[Postoperative pelvic abscesses] Poliakov NG, et al. **Klin Khir** 1984 Jan;(1):61–3 (Eng. Abstr.) **(Rus)**

[Lesions of the lymph nodes in syphilis] Kashchenko VB, et al. **Vestn Dermatol Venerol** 1983 Oct;(10):74–5 (Eng. Abstr.) **(Rus)**

[Role of a primary focus in the development of sepsis] Kizhaev EV, et al. **Voen Med Zh** 1984 Apr;(4):26–8 **(Rus)**

[Complications after surgery for abdominal pregnancy due to a retained placenta] Babić D, et al. **Jugosl Ginekol Opstet** 1983 May–Aug;23(3–4):93–4 (Eng. Abstr.) **(Scr)**

[Mediastinal abscess secondary to esophageal perforation caused by a foreign body (letter)] Mateo S, et al. **Med Clin (Barc)** 1984 May 5;82(17):779–80 **(Spa)**

[Epidural abscess with spinal cord compression in a heroin addict (letter)] Pujadas Capmany R, et al. **Med Clin (Barc)** 1983 Oct 22;81(12):551 **(Spa)**

METABOLISM

Hepatic and systemic metabolic *responses to aerobic and* anaerobic intra-abdominal abscesses in a highly reproducible chronic rat model. Nakatani T, et al. **Circ Shock** 1984;13(3):271–94

67Ga-binding substances in abscess and normal tissues. Ando A, et al. **Eur J Nucl Med** 1984;9(7):300–4

97Ru-transferrin uptake in tumor and abscess. Som P, et al. *Eur J Nucl Med 1983;8(11):491–4*

Rifampicin in collections of pus--a kinetic study in human abscesses. Suter F, et al. **J Antimicrob Chemother** 1984 Jun; *13 Suppl C:43–7*

[Assessment of antituberculosis drug concentrations in cold abscesses in patients with bone and joint tuberculosis] Wu *QQ. Chung Hua Wai Ko Tsa Chih 1983 Aug;21(8):483–5* **(Chi)**

[In vivo uptake of Ga-67 citrate by an experimental abscess *and the mechanism of Ga-67 uptake] Nitta K, et al.* **Radioisotopes** 1983 Oct;32(10):485–90 (Eng. Abstr.) **(Jpn)**

[Electrolyte balance corrections in patients with acute *odontogenic inflammatory processes] Starodubtsev VS, et* al. **Stomatologiia (Mosk)** 1983 Sep–Oct;62(5):48–50 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Epiglottic abscess due to group B Streptococcus. Communication. Ridgeway NA, et al. **Ann Otol Rhinol Laryngol** 1984 May–Jun;93(3 Pt 1):277–8

Splenic abscess caused by Corynebacterium diphtheriae. Alexander D. **Clin Pediatr (Phila)** 1984 Oct;23(10):591–2

Infectivity of organisms recovered from polymicrobial abscesses. Brook I, et al. **Infect Immun** 1983 Dec; 42(3):986–9

A review of drug addict abscesses. O'Sullivan M, et al. **Ir Med J** 1984 Mar;77(3):68, 70

An unusual presentation of nocardiosis [letter] Das BC, et al. **J Infect** 1983 Sep;7(2):169–70

Synergistic effect of bacteroides, Clostridium, Fusobacterium, anaerobic cocci, and aerobic bacteria on mortality and induction of subcutaneous abscesses in mice. Brook I, et al. **J Infect Dis** 1984 Jun;149(6):924–8

Transfer of tetracycline or clindamycin resistance among strains of Bacteroides fragilis in experimental abscesses. Butler E, et al. **J Infect Dis** 1984 Jul;150(1):20–4

Prostatic abscess due to Candida albicans. Lentino JR, et al. **J Infect Dis** 1984 Feb;149(2):282

The microbiologic flora of orofacial abscesses. Labriola JD, et al. **J Oral Maxillofac Surg** 1983 Nov;41(11):711–4

A rat model of unilateral utero-tubo-ovarian abscess. Hammill HA, et al. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl 1:S96–100 (20 ref.)

Cutaneous gonococcal abscess: a case report. Fiumara NJ, et al. **Sex Transm Dis** 1984 Jan–Mar;11(1):34–5

[Splenic Salmonella typhimurium abscess (letter)] Alonso *Alonso JJ, et al. Med Clin (Barc) 1983 Dec 3;81(18):831* **(Spa)**

[Escherichia coli suprarenal abscess (letter)] Closas J, et al. *Med Clin (Barc) 1984 May 26;82(20):913* **(Spa)**

[Massive pleural empyema: a rare complication of perinephric abscess] Villalta J, et al. **Med Clin (Barc)** 1984 Jul 14; 83(6):253–5 (Eng. Abstr.) **(Spa)**

MORTALITY

Prognostic factors in pancreatic abscess. Becker JM, et al. **Surgery** 1984 Sep;96(3):455–61

OCCURRENCE

The incidence of recurrent abscesses or fistula-in-ano following anorectal suppuration. Vasilevsky CA, et al. **Dis Colon Rectum** 1984 Feb;27(2):126–30

Tropical myositis: is it an entity and what is its cause? Shepherd JJ. **Lancet** 1983 Nov 26;2(8361):1240–2

[Retroperitoneal abscesses. Review of 75 cases] Posada de la Paz M, et al. **Rev Clin Esp** 1983 Oct 15;171(1):11–4 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Perforation of the gallbladder: report of a case and review of the literature. Slaubaugh IJ. **J Am Osteopath Assoc** 1984 Jun;83(10):733–7

Acute haematogenous osteomyelitis: II. The effect of a metaphyseal abscess on the surrounding blood supply. Emslie KR, et al. **J Pathol** 1984 Feb;142(2):129–34

Nerve abscess in a deep seated branch of medial plantar nerve in the foot. Hussain S, et al. **Lepr India** 1983 Apr;55(2):371

Ulnar nerve calcification and abscess formation in two cases of primary mononeuritic leprosy. Samuel S, et al. **Lepr Rev** 1984 Jun;55(2):173–6

Brodie's abscess in a tibia dating from the Neolithic period. *Lagier R, et al. Virchows Arch [A] 1983;401(2):153–7*

Fatal hemoglobinuria in the case of a 75-year-old female patient. Necropsy findings: sepsis. Hadnagy C, et al. *Z Gerontol 1983 Jul–Aug;16(4):191*

Comparison of virulence of clones of two Trichomonas vaginalis strains by the subcutaneous mouse assay. *Kuczyńska K, et al. Z Parasitenkd 1984;70(2):141–6*

[Fatal sepsis from Staphylococcus aureus] Draganov V. **Vutr Boles** 1984;23(1):109–12 **(Bul)**

[Abscess formation in ectopic pancreatic tissue in the stomach] Uhrenholt L, et al. **Ugeskr Laeger** 1984 Mar 19; 146(12):883–4 (Eng. Abstr.) **(Dan)**

PHYSIOPATHOLOGY

[Contractile function of the myocardium in suppurative peritonitis in children] Doletskii AS, *et al.* **Vestn Khir** 1984 Feb;132(2):75–8 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

[Prophylaxis of scalp infections following intrauterine application of electrodes] Richter T, et al. *Zentralbl Gynakol 1983;105(17):1135–8* **(Ger)**

RADIOGRAPHY

Abscess-fistula association: radiologic recognition and percutaneous management. Papanicolaou N, et al. **AJR** 1984 Oct;143(4):811–5

Retropharyngeal abscess: a previously unreported symptom. Greene JS, et al. **Ann Emerg Med** 1984 Aug;13(8):615–9

Recurrent retropharyngeal abscess. Owens OT, et al. **Arch Otolaryngol** 1984 *May;110(5):337–8*

Roentgenologic features of right suprahepatic space abscess. Min PQ. **Chin Med J [Engl]** 1983 May;96(5):341–8

Iliacus abscess. Simons GW, et al. **Clin Orthop** 1984 Mar; (183):61–3

Calcified psoas abscess causing limited hip movement in Crohn's disease [letter] Pitt P, et al. **Clin Rheumatol** 1983 Mar;2(1):79–80

Computerized tomography in diagnosis of pelvic abscess in spinal-cord-injured patients. Firooznia H, et al. **Comput Radiol** 1983 Nov–Dec;7(6):335–41

Computed tomographic demonstration of gas collections simulating infection. Sarno RC, et al. **Comput Radiol** 1984 May–Jun;8(3):171–4

Radiological diagnosis in proven intraabdominal abscess formation: a comparison between plain films of the abdomen, ultrasonography and computerized tomography. Lundstedt C, et al. **Gastrointest Radiol** 1983;8(3):261–6

The case of the enlarged spleen. Seaman WB. **Hosp Pract [Off]** 1984 Jun;19(6):55–6

Computed tomography of mediastinal abscess secondary to post-traumatic esophageal laceration. Brown BM. **J Comput Assist Tomogr** 1984 Aug;8(4):765–7

Lumbar artery pseudoaneurysm: CT demonstration. Hulnick DH, et al. **J Comput Assist Tomogr** 1984 Jun;8(3):570–2

Computed tomography of silent abdominal abscesses. Jeffrey RB, et al. **J Comput Assist Tomogr** 1984 Feb;8(1):67–70

Abdominal computed tomography in children with *unexplained prolonged fever.* Picus D, et al. **J Comput Assist Tomogr** 1984 Oct;8(5):851–6

CT diagnosis of actinomycosis of the neck. Silverman PM, *et al. J Comput Assist Tomogr 1984 Aug;8(4):793–4*

Case report: computed tomography in the diagnosis of Yersinia infection in a patient with thalassemia major. *Coleman BG, et al. J Comput Tomogr 1984 Apr;8(2):153–6*

Necrotic tumor simulating intraabdominal abscess: a case report. Paling MR. **J Comput Tomogr** 1983 Nov;7(4):395–7

Computed tomography in the diagnosis of iliopsoas abscesses. Sykes JT, et al. **Med J Aust** 1984 Apr 14;140(8):492–3

Pituitary abscess: a case diagnosed pre-operatively. Lunardi P, et al. **Neurochirurgia (Stuttg)** 1984 Mar;27(2):51–2

Bronchogenic cyst presenting as deep neck abscess. McManus K, et al. **Otolaryngol Head Neck Surg** 1984 Feb; 92(1):109–14

Catheter drainage of intraabdominal fluid collections. Bonnel D, et al. **Radiol Diagn (Berl)** 1984;25(2):155–70

CT appearance of a prosthetic methyl methacrylate mass mistaken for abscess. Beynon J, et al. **Radiology** 1984 Feb; 150(2):506

Computed tomography of intraabdominal abscesses. Epstein BM, et al. **S Afr Med J** 1984 Feb 25;65(8):283–7

Radiologic aspects of diagnosis and treatment of abdominal abscesses. Gerzof SG, et al. **Surg Clin North Am** 1984 Feb; 64(1):53–65 (41 ref.)

Case profile: psoas abscess. Elder JS. **Urology** 1984 Feb; 23(2):213–4

Perinephric abscess masquerading as renal tumor in an adolescent. Lo RK, et al. **Urology** 1984 Jan;23(1):84–6

[Roentgenologic features of omental sac abscess and its anatomic basis] Min PQ. **Chung Hua Fang She Hsueh Tsa Chih** 1983 May;17(2):85–9 (Eng. Abstr.) **(Chi)**

[Computer tomography diagnosis of abdominal abscesses] Sobota J. **Cesk Radiol** 1983 Aug;37(5):292–5 (Eng. Abstr.) **(Cze)**

[Acute orbital paranasal sinus complications: the CT image] Becker W, et al. **Computertomographie** 1983 Sep;3(3):130–2 (Eng. Abstr.) **(Ger)**

[Gas- and fluid-containing cavities in the small pelvis and

their differential diagnosis] Grabenwöger F, et al. **Rontgenblatter** 1983 Dec;36(12):414–7 (Eng. Abstr.) **(Ger)**

[Abscessing staphylococcal pneumonia following virus infection of the respiratory tract] Kunze W, et al. **Z Erkr Atmungsorgane** 1984;162(2):163–70 (Eng. Abstr.) **(Ger)**

[CT findings of the retained surgical gauze and towel] Miyake H, et al. **Rinsho Hoshasen** 1984 Mar;29(3):377–80 (Eng. Abstr.) **(Jpn)**

[Computerized tomography in the diagnosis of suppurative perirenal processes] Walecki J, et al. **Pol Przegl Radiol (Warszawa)** 1983 Mar–Apr;47(2):143–7 (Eng. Abstr.) **(Pol)**

[X-ray diagnosis of acute appendicitis] Polezhaev VG, et al. **Klin Khir** 1984 Apr;(4):39–42 (Eng. Abstr.) **(Rus)**

[Venospondylography in the diagnosis of epidural abscesses in spinal osteomyelitis] Tikhodeev SA, et al. **Vestn Khir** 1984 Jul;132(7):59–62 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Demonstration of occult abdominal infection with indium–111 WBC and gallium–67 scintigraphy. Ahmed F, et al. **Clin Nucl Med** 1984 Jun;9(6):355–6

Diagnosis of acute inflammatory conditions in children and adolescents using In–111 oxine white blood cells. Gainey MA, et al. **Clin Nucl Med** 1984 Feb;9(2):71–4

Gallium–67 citrate imaging in subcutaneous abscess. Sagar VV, et al. **Clin Nucl Med** 1983 Nov;8(11):543–5

Indium–111 tropolonate leucocyte scanning in the detection of intra–abdominal abscesses. Saverymuttu SH, et al. **Clin Radiol** 1983 Sep;34(5):593–6

Adult polycystic disease of kidneys: a potential cause of false–positive 67Ga images. Shih WJ, et al. **Eur J Nucl Med** 1984;9(6):286–8

[153Sm]citrate for tumor and abscess localization. Woolfenden JM, et al. **Int J Nucl Med Biol** 1983; 10(4):251–6

Different actions of deferoxamine and iron on Ga–67 abscess detection in rats. Oberhaensli RD, et al. **J Nucl Med** 1984 Jun;25(6):668–72

Cardiac aneurysm complicated by E. coli abscess. Reinke FE, et al. **J Nucl Med** 1983 Dec;24(12):1154–7

Indium–111 chloride imaging in patients with suspected abscesses: concise communication. Sayle BA, et al. **J Nucl Med** 1983 Dec;24(12):1114–8

Unsuspected extra–abdominal sites of infection: scintigraphic detection with indium–111–labeled leukocytes. Seabold JE, et al. **Radiology** 1984 Apr;151(1):213–7

Indium–111–labeled leukocyte localization in hematomas: a pitfall in abscess detection. Wing VW, et al. **Radiology** 1984 Jul;152(1):173–6

[Abscess scintigraphy after injection of 111 In–labelled granulocytes] Schmidt KG, et al. **Ugeskr Laeger** 1984 Jan 16;146(3):173–5 (Eng. Abstr.) **(Dan)**

[Diagnosis of internal abscesses by scintigraphy: results of a method using purified granulocytes] Ryser JE, et al. **Schweiz Med Wochenschr** 1983 Oct 8;113(40):1477–9 (Eng. Abstr.) **(Fre)**

[Clinical evaluation of leukocytes labeled with indium 111–oxine in the diagnosis of abdominal abscesses and echographic correlations] Dionne D, et al. **Union Med Can** 1983 Sep;112(9):788–92 (Eng. Abstr.) **(Fre)**

[Indium–111–labelled leukocyte scintigraphy as an aid in the diagnosis of intra–abdominal abscesses] Holmin T, et al. **Lakartidningen** 1983 Sep 7;80(36):3170–3 **(Swe)**

SURGERY

Colpotomy drainage of pelvic abscesses. Darling MR, et al. **Acta Obstet Gynecol Scand** 1983;62(3):257–9

The Hawkins needle–guide system for percutaneous catheterization: 2. Clinical experience in biliary tract and abscess drainage. Andrews RC, et al. **AJR** 1984 Jun; 142(6):1197–200

Percutaneous drainage of renal abscesses. Cronan JJ, et al. **AJR** 1984 Feb;142(2):351–4

Percutaneous drainage of Iliopsoas abscesses [letter] Gray RR, et al. **AJR** 1984 Sep;143(3):684–5

Iliopsoas abscess: treatment by CT–guided percutaneous catheter drainage. Mueller PR, et al. **AJR** 1984 Feb; 142(2):359–62

Percutaneous drainage of abdominal abscesses. Sones PJ. **AJR** 1984 Jan;142(1):35–9

Temporizing effect of percutaneous drainage of complicated abscesses in critically ill patients. vanSonnenberg E, et al. **AJR** 1984 Apr;142(4):821–6

Recurrent periclitoral abscess treated by marsupialization. Sur S. **Am J Obstet Gynecol** 1983 Oct 1;147(3):340

Surgical and computerized tomography guided drainage for intraabdominal abscess [editorial] Gerzof SG. **Am J Surg** 1984 Mar;147(3):426

The surgical management of extravalvular aortic root infection. Sethia B, et al. **Ann Thorac Surg** 1984 Jun; 37(6):484–7

Perianal abscess and its recurrence. Ramus NI, et al. **Bristol Med Chir J** 1984 Apr;99(370):45

Successful surgical treatment of prosthetic valve endocarditis and aortic root abscesses. Abe T, et al. **Chest** 1984 Jun; 85(6):832–4

Modified aortoseptoplasty for anular abscess and erosion of the membranous septum. Mavroudis C, et al. **Chest** 1984 Mar;85(3):442–4

Percutaneous drainage of abscesses: a report of 100 patients. Martin EC, et al. **Clin Radiol** 1984 Jan;35(1):9–11

Perianal abscesses and fistulas. A study of 1023 patients. Ramanujam PS, et al. **Dis Colon Rectum** 1984 Sep; 27(9):593–7

Plantar space abscesses in the diabetic foot: diagnosis and treatment. Bernhard LM, et al. **J Foot Surg** 1984 Jul–Aug; 23(4):283–90

Percutaneous drainage of renal abscess. Hu KN, et al. **J Kans Med Soc** 1984 Jun;85(6):164–5

Pelvic abscess following preoperative radiation and abdominoperineal resection: management with a free flap. Kraybill WG, et al. **J Surg Oncol** 1984 Jan;25(1):18–20

Tetanus after anorectal abscess. Myers KJ, et al. **Mayo Clin Proc** 1984 Jun;59(6):429–30

A practical, inexpensive office management of Bartholin's cyst and abscess. Kovar WR, et al. **Nebr Med J** 1983 Aug; 68(8):254–5

Abscess drainage with CT and ultrasound guidance. Clark RA, et al. **Radiol Clin North Am** 1983 Sep;21(3):445–59 (38 ref.)

Mucomyst for abscesses: a clinical comment. Dawson SL, et al. **Radiology** 1984 May;151(2):342

Percutaneous catheter aspiration and drainage of suspected mediastinal abscesses. Gobien RP, et al. **Radiology** 1984 Apr;151(1):69–71

Percutaneous drainage of 250 abdominal abscesses and fluid collections. Part II: Current procedural concepts. Mueller PR, et al. **Radiology** 1984 May;151(2):343–7

Percutaneous drainage of 250 abdominal abscesses and fluid collections. Part I: Results, failures, and complications. vanSonnenberg E, et al. **Radiology** 1984 May;151(2):337–41

Long term results of reconstruction of the septum in the acute phase of a septal abscess in children. Huizing EH. **Rhinology** 1984 Mar;22(1):55–63

Operative and conservative treatment of tubo–ovarian abscess due to pelvic inflammatory disease. Roberts W, et al. **South Med J** 1984 Jul;77(7):860–3

Pancreatic abscess management by subtotal resection and packing. Stone HH, et al. **World J Surg** 1984 Jun;8(3):340–5

[Bacterial culture in surgical treatment of cutaneous abscesses?] Lanng C, et al. **Ugeskr Laeger** 1984 Apr 16; 146(16):1197–8 (Eng. Abstr.) **(Dan)**

[Recurrent subareolar breast abscess] van Mourik JB. **Ned Tijdschr Geneeskd** 1984 Jan 21;128(3):106–8 (Eng. Abstr.) **(Dut)**

[A case of spinal epidural abscess in a renal transplant recipient] Egashira T, et al. **No Shinkei Geka** 1984 May; 12(6):739–43 (Eng. Abstr.) **(Jpn)**

[Treatment of recurrent forms of acute paraproctitis] Nazarov LU, et al. **Khirurgiia (Mosk)** 1984 Apr;(4):45–9 (Eng. Abstr.) **(Rus)**

[Treatment of acute horseshoe–shaped paraproctitis] Nazarov LU, et al. **Klin Khir** 1984 Feb;(2):62–3 (Eng. Abstr.) **(Rus)**

[Residual abscesses of the abdominal cavity after emergency and selective surgery] Portnoĭ IuM. **Klin Khir** 1984 Jan; (1):14–7 (Eng. Abstr.) **(Rus)**

[Use of staphylococcal antiphagin in the complex surgical treatment of purulent processes of the soft tissues of the face and neck] Solntsev AM, et al. **Klin Khir** 1984 Jan; (1):74–5 **(Rus)**

[Surgical tactics in suppurative complications of acute pancreatitis] Toskin KD, et al. **Klin Khir** 1983 Nov; (11):14–6 (Eng. Abstr.) **(Rus)**

[Case of free muscle grafting with microvascular anastomoses for plastic surgery of bone cavities in the 'muscle–free' zone of the tibia] Belousov AE, et al. **Ortop Travmatol Protez** 1983 Nov;(11):53–4 **(Rus)**

[Surgical tactics in appendiceal infiltrates and abscesses] Bugulov GK, et al. **Sov Med** 1983;(7):100–2 **(Rus)**

[Tactics in early complications following elective surgery of the abdominal organs] Pomelov VS, et al. **Sov Med** 1983; (7):115–7 **(Rus)**

[Surgical treatment of odontogenic inflammatory processes in acute leukemia patients] Avanesov AM. **Stomatologiia (Mosk)** 1983 Sep–Oct;62(5):51–2 (Eng. Abstr.) **(Rus)**

[Method for the surgical treatment of abscesses and phlegmons of the orbit] Rostokin IuN, et al. **Stomatologiia (Mosk)** 1984 Mar–Apr;63(2):28–9 (Eng. Abstr.) **(Rus)**

[The time of radical operations in abscesses and epithelial pilonidal cysts of the sacrococcygeal region] Stegnii VI. **Voen Med Zh** 1983 Dec;(12):58 **(Rus)**

THERAPY

Use of the Portner–Koolpe biliary biopsy catheter to facilitate double–guide–wire placement. Greenwood LH, et al. **AJR** 1984 Mar;142(3):543–4

Deep neck infection. Gates GA. **Am J Otolaryngol** 1983 Nov–Dec;4(6):420–1

Drainage of intraabdominal abscesses. A comparison of surgical and computerized tomography guided catheter drainage. Glass CA, et al. **Am J Surg** 1984 Mar;147(3):315–7

Percutaneous catheter versus open surgical drainage in the treatment of abdominal abscesses. Brolin RE, et al. **Am Surg** 1984 Feb;50(2):102–8

Treatment of intra–abdominal sepsis. Bohnen JM, et al. **Can J Surg** 1984 May;27(3):222–3, 225

Diagnosis and treatment of pancreatic abscess. Hua JD, et al. **Chin Med J [Engl]** 1983 Jun;96(6):475–7

Management of appendiceal abscess. Arnbjörnsson E. **Curr Surg** 1984 Jan–Feb;41(1):4–9

New approach to treatment of severe incisional abscesses following laparotomy. Wound closure under systemic antibiotic cover four days after drainage. Moesgaard F, et al. **Dis Colon Rectum** 1983 Nov;26(11):701–2

Percutaneous management of abdominal abscesses with GI tract fistulous communication: report of 2 cases. Beltrán J, et al. **Gastrointest Radiol** 1984;9(1):65–8

Ultrasound and computed tomography in the diagnosis and drainage of abscesses and other fluid collections. Rubinstein Z, et al. **Isr J Med Sci** 1983 Dec;19(12):1050–5

Interventional radiology: an alternative to operative drainage of post–traumatic abscesses. Sclafani SJ, et al. **J Trauma** 1984 Apr;24(4):299–306

Use of computed tomography in the percutaneous drainage of abdominal abscesses. Lawler GA, et al. **Med J Aust** 1984 Jul 21;141(2):104–7

Gravity drainage in the treatment of patients with near fatal recurrent intra–abdominal sepsis. Trinidad Vasquez JM, et al. **Milit Med** 1983 Jul;148(7):597–9

Vaginal drainage of posthysterectomy abscess under direct ultrasonic guidance. McArdle CR, et al. **Obstet Gynecol** 1984 Mar;63(3 Suppl):90S–92S

Treatment of abscesses [letter] de Clercy LD. **Otolaryngol Head Neck Surg** 1984 Feb;92(1):124

Skin damage from acetylcysteine leak during percutaneous abscess drainage. Casola G, et al. **Radiology** 1984 Jul; 152(1):233

Percutaneous catheter drainage of deep neck infections guided by CT. Cole DR, et al. **Radiology** 1984 Jul; 152(1):224

Tubo–ovarian abscess: contemporary approach to management. Landers DV, et al. **Rev Infect Dis** 1983 Sep–Oct;5(5):876–84

Percutaneous drainage of abscesses and fluid collections. Rosen RJ, et al. **Urology** 1984 May;23(5 Spec No):54–8

Current observations on breast abscess. Kokal WA, et al. **Va Med** 1983 Nov;110(11):664–5

[Clindamycin in the primary suture of subcutaneous abscesses. A double–blind study of single dose compared with 4–day treatment] Larsen PN, et al. **Ugeskr Laeger** 1983 Oct 10;145(41):3162–4 (Eng. Abstr.) **(Dan)**

[Percutaneous drainage of infected abdominal collections. Guiding principles and results] Reynaert MS, et al. **Acta Chir Belg** 1983 Sep–Oct;83(5):353–7 (Eng. Abstr.) **(Fre)**

[Percutaneous drainage of intra–abdominal fluid collections using computed tomography] Meyer P, et al. **Schweiz Med Wochenschr** 1984 May 19;114(20):721–3 (Eng. Abstr.) **(Fre)**

VETERINARY

The isolation of Mycoplasma arginini from a pituitary abscess in a goat. Lomas ST, et al. **Aust Vet J** 1983 Sep;60(9):281–2

Obligate anaerobic bacteria found in canine and feline purulent lesions. Kanoe M, et al. **Br Vet J** 1984 May–Jun; 140(3):257–62

Echocardiographic detection of tetralogy of Fallot and myocardial abscesses in a calf. Reef VB, et al. **Cornell Vet** 1984 Apr;74(2):81–95

Chyloabdomen and ultrasonographic detection of an intra–abdominal abscess in a foal. Hanselaer JR, et al. **J Am Vet Med Assoc** 1983 Dec 15;183(12):1465–7

Clostridial myositis associated with an intrathoracic abscess in a cat. Mansfield PD, et al. **J Am Vet Med Assoc** 1984 May 1;184(9):1150–1

Pollakiuria due to urachal abscesses in two heifers. Trent AM, et al. **J Am Vet Med Assoc** 1984 Apr 15;184(8):984–6

Unilateral nephrectomy for treatment of a renal abscess in a foal. Trotter GW, et al. **J Am Vet Med Assoc** 1984 Jun 1;184(11):1392–4

What is your diagnosis? Osteomyelitis secondary to a subcutaneous abscess. Yanoff SR. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1347–8

Abscesses in a free–ranging bison in Alaska. Zarnke RL, et al. **J Wildl Dis** 1984 Apr;20(2):151–2

Canine tooth root infection as a cause of facial abscess in the common marmoset (Callithrix jacchus). Baskerville M. **Lab Anim** 1984 Apr;18(2):115–8

The detection of obligate anaerobic bacteria in swine abscesses. A comparison between gas–liquid chromatography and bacteriological culturing methods. van den Bogaard AE, et al. **Vet Microbiol** 1983 Aug; 8(4):389–96

Staphylococci isolated from abscesses in slaughtered animals: characterization and epidemiological studies. Menes I, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1984 Jan; 178(5–6):551–61

[Isolation of Actinomyces viscosus from an abscess caused by a dog bite] del Carmen Pinilla L, et al. **Rev Latinoam Microbiol** 1983 Jul–Sep;25(3):155–6 **(Spa)**

ABSCESS, CEREBRAL see **BRAIN ABSCESS**

ABSCESS, HEPATIC see **LIVER ABSCESS**

ABSCESS, PERIAPICAL see **PERIAPICAL ABSCESS**

ABSCESS, PERITONSILLAR

COMPLICATIONS

[Gas gangrene of the neck. Non-clostridial infection due to obligate anaerobic bacteria] Liebshardt C, et al. **Acta Otorhinolaryngol Belg** 1984;38(1):51–8 **(Fre)**

DIAGNOSIS

[Bilateral peritonsillar abscess] Kristensen S, et al. **Ugeskr Laeger** 1984 Feb 20;146(8):587 (Eng. Abstr.) **(Dan)**

ETIOLOGY

Quinsy following tonsillectomy (five case reports). Randall CJ, et al. **J Laryngol Otol** 1984 Apr;98(4):367–9

Peritonsillar abscess complicating infectious mononucleosis. Portman M, et al. **J Pediatr** 1984 May;104(5):742–4

Peritonsillar abscess associated with Corynebacterium hemolyticum. Miller RA, et al. **West J Med** 1984 Mar; 140(3):449–51

PATHOLOGY

[Fatal suppurative dissecting peritonsillar abscess] Pedersen MG, et al. **Ugeskr Laeger** 1984 Feb 20;146(8):586 (Eng. Abstr.) **(Dan)**

SURGERY

Permucosal needle drainage of peritonsillar abscesses. A five-year experience. Herzon FS. **Arch Otolaryngol** 1984 Feb;110(2):104–5

Immediate unilateral tonsillectomy for severe peritonsillar infections in children. Lima JA, et al. **Int J Pediatr Otorhinolaryngol** 1983 Nov;6(2):187–93

Unilateral immediate tonsillectomy as the treatment of peritonsillar abscess: results, with special attention to pharyngitis. Christensen PH, et al. **J Laryngol Otol** 1983 Dec;97(12):1105–9

Immediate tonsillectomy in the presence of quinsy. Valko P. **J Otolaryngol** 1983 Aug;12(4):259–60

Routine abscess tonsillectomy: late results. Bonding P. **Laryngoscope** 1976 Feb;86(2):286–90

[Therapeutic tactics in paratonsillar abscess] Volokhov VA, et al. **Voen Med Zh** 1984 Mar;(3):72 **(Rus)**

THERAPY

Proper treatment of peritonsillar abscess. An exercise in cost containment. Cantrell RW. **Arch Otolaryngol** 1984 Feb; 110(2):103

ABSCESS, PULMONARY see **LUNG ABSCESS**

ABSCESS, SUBDURAL see **SUBDURAL EMPYEMA**

ABSCESS, SUBPHRENIC see **SUBPHRENIC ABSCESS**

ABSCISSINS see under **CYCLOHEXANECARBOXYLIC ACIDS**

ABSENCE see **EPILEPSY, PETIT MAL**

ABSENTEEISM

Disability days associated with detection and treatment in a hypertension control program. Polk BF, et al. **Am J Epidemiol** 1984 Jan;119(1):44–53

Computerized attendance surveillance to reduce absenteeism. Quandt WG, et al. **Am J Hosp Pharm** 1984 Feb; 41(2):298–300

Morbidity and school absence caused by asthma and wheezing illness. Anderson HR, et al. **Arch Dis Child** 1983 Oct;58(10):777–84

Behavioral ecology of a staff incentive program. Effects on absenteeism and resident disruptive behavior. Durand VM. **Behav Modif** 1983 Apr;7(2):165–81

Absence from work. Ellis N. **Br Med J [Clin Res]** 1984 Sep 8;289(6445):595–7

Absenteeism among hospital staff during an influenza epidemic: implications for immunoprophylaxis. Hammond GW, et al. **Can Med Assoc J** 1984 Sep 1;131(5):449–52

Effect of occlusal treatment on sick leaves in TMJ dysfunction patients with head and neck symptoms. Kirveskari P, et al. **Community Dent Oral Epidemiol** 1984 Apr;12(2):78–81

Sickness and absence from work due to skin diseases in the construction industry. Review of the literature. Coenraads PJ, et al. **Derm Beruf Umwelt** 1984;32(1):17–21

Baycrest's HIP program: a prescription for relief. Wigdor E. **Dimens Health Serv** 1984 Jan;61(1):33

Work loss among practicing dentists. Wall TP, et al. **J Am Dent Assoc** 1984 Jan;108(1):81–3

Smoking as a moderator of the relationship between affective state and absence from work. Parkes KR. **J Appl Psychol** 1983 Nov;68(4):698–708

Research note: truants and other absentees. Galloway D. **J Child Psychol Psychiatry** 1983 Oct;24(4):607–11

Dental disease and work loss. Reisine ST. **J Dent Res** 1984 Sep;63(9):1158–61

Sickness absence among shift workers in an industrially developing country. Reverente BR, et al. **J Hum Ergol (Tokyo)** 1982;11 Suppl:195–200

Extension of research into stress factors and their effect on illness absenteeism. Seamonds BC. **J Occup Med** 1983 Nov; 25(11):821–2

Lost-time work accidents in an industry. Chew CK. **NZ Med J** 1984 Aug 22;97(762):564–7

The intensity of work recovery in low back pain. Andersson GB, et al. **Spine** 1983 Nov–Dec;8(8):880–4

Disability days: United States, 1980 Wilder CS. **Vital Health Stat [10]** 1983 Jul;(143):1–68

[Temporary and permanent work disability status in chronic noncoronarogenic myocardial diseases of the adult population in Razgrad District] Dosev S, et al. **Vutr Boles** 1984;23(3):53–8 (Eng. Abstr.) **(Bul)**

[School phobia, truancy and family interaction] Kivisaari A, et al. **Duodecim** 1984;100(10):599–605 (Eng. Abstr.) **(Fin)**

[Work disability data as a principle in the observation of the course of chronic diseases] von Ferber L, et al. **Off Gesundheitswes** 1984 Feb;46(2):71–9 **(Ger)**

[School absenteeism by 1st and 3rd grade students in urban primary schools and rural collective schools] Zdunkiewicz L, et al. **Rocz Panstw Zakl Hig** 1983;34(5–6):521–6 (Eng. Abstr.) **(Pol)**

[Economic rationale of the use of hysteroscopy in climacteric uterine hemorrhage] Serov VN, et al. **Akush Ginekol (Mosk)** 1984 May;(5):55–7 (Eng. Abstr.) **(Rus)**

[Automated system of processing the primary information concerning personnel and their morbidity with temporary loss of work capacity] Dogle NV, et al. **Gig Sanit** 1983 Jun;(6):54–6 **(Rus)**

[Morbidity with temporary loss of work capacity in the workers and employees in poultry plants] Katuntseva NA. **Sov Med** 1984;(6):72–6 **(Rus)**

[Work-time losses incurred in care for frequently ill children] Al'bitskiĭ VIu, et al. **Sov Zdravookhr** 1983;(8):28–31 (Eng. Abstr.) **(Rus)**

[Working conditions and temporary loss of work capacity in agricultural machinery operators] Galuzova VG. **Sov Zdravookhr** 1984;(6):20–5 (Eng. Abstr.) **(Rus)**

[Relations between general morbidity and morbidity involving temporary loss of work capacity] Pavlov VP. **Sov Zdravookhr** 1984;(1):20–4 **(Rus)**

[Automated system for the analysis of injuries, morbidity and work-time losses] Shuster LA, et al. **Sov Zdravookhr** 1983; (8):20–4 **(Rus)**

[Aspects of work disability in relation to nontuberculous diseases of the respiratory system in Czechoslovakia] Bajan A. **Cesk Zdrav** 1984 Mar;32(3):108–12 (Eng. Abstr.) **(Slo)**

[Epidemiologic usefulness of temporary-work-incapacity forms] Farrés Quesada J, et al. **Rev Sanid Hig Publica (Madr)** 1982 Nov–Dec; 56(11–12):1237–47 (Eng. Abstr.) **(Spa)**

ABSORPTION, INTESTINAL see **INTESTINAL ABSORPTION**

ABSORPTION, SKIN see **SKIN ABSORPTION**

ABSTRACTING AND INDEXING

The Lithium Index: an innovative approach to consultation by computer. Ackerman DL, et al. **Am J Psychiatry** 1984 Mar;141(3):415–7

Use study of Excerpta Medica abstract journals: to drop or not to drop? Alligood EC, et al. **Bull Med Libr Assoc** 1983 Jul;71(3):251–8

Current References abstracting service: evolution over a ten-year period. Sarkis JM, et al. **Bull Med Libr Assoc** 1983 Oct;71(4):435–6

Indexing inconsistency [letter] Van Buskirk NE. **Bull Med Libr Assoc** 1984 Apr;72(2):217–8

Helping general practitioners to keep up with the literature: evaluation of an RCGP initiative. Gordon MD. **Med Educ** 1984 May;18(3):174–7

[Citation Index (editorial)] Dolara A. **G Ital Cardiol** 1983 Sep;13(9):200–1 **(Ita)**

STANDARDS

Diagnosis-related groups: physician and abstractor reliability and financial significance of errors. Bindman AB, et al. **Mt Sinai J Med (NY)** 1984 Jun;51(3):237–45

ABUTMENTS, DENTAL

Influence of diet on denture-bearing tissues. Massler M. **Dent Clin North Am** 1984 Apr;28(2):211–21

Paresthesia from an overdenture abutment: report of case. Dale RA, et al. **J Am Dent Assoc** 1983 Dec;107(6):943–4

Using endodontic stabilizers for overdenture abutment teeth. Caswell CW, et al. **J Prosthet Dent** 1983 Oct;50(4):530–5

An oral hygiene device for overdenture abutments. Goho C. **J Prosthet Dent** 1983 Nov;50(5):739

Fabrication of full coverage restorations for existing removable partial dentures. McArthur DR. **J Prosthet Dent** 1984 Apr;51(4):574–6

The guide pin technique for paralleling abutment preparations. O'Meeghan PD, et al. **J Prosthet Dent** 1983 Dec;50(6):780–3

Pontic design of posterior fixed partial prostheses: is it a microbial misadventure? Parkinson CF, et al. **J Prosthet Dent** 1984 Jan;51(1):51–4

A photoelastic study of a split palatal major connector. Reitz PV, et al. **J Prosthet Dent** 1984 Jan;51(1):19–23

Four-year longitudinal study of the periodontal health status of overdenture patients. Renner RP, et al. **J Prosthet Dent** 1984 May;51(5):593–8

Repairing a crown-sleeve coping prosthesis. Part III. Stern N, et al. **J Prosthet Dent** 1984 Apr;51(4):515–7

[Use of radiculectomized teeth as prosthetic abutments. Comments on 40 cases] Borio PS, et al. **Minerva Stomatol** 1984 May-Jun;33(3):495–502 (Eng. Abstr.) **(Ita)**

[Ultrastructural studies on the nature of the fibrous component of the dental pulp in an abutment tooth] Viti M. **Minerva Stomatol** 1984 May-Jun;33(3):391–6 (Eng. Abstr.) **(Ita)**

[Experience in using bridge-like prostheses with half-crown support] Kosnevich MIa. **Stomatologiia (Mosk)** 1984 Jan-Feb;63(1):72–3 (Eng. Abstr.) **(Rus)**

[Hemodynamics of the periodontium of the supporting teeth during orthodontic treatment with fixed dentures] Zav'ialov AV. **Stomatologiia (Mosk)** 1984 Jul-Aug; 63(4):59–61 (Eng. Abstr.) **(Rus)**

AC-GLOBULIN see **FACTOR V**

ACACIA

Hypotensive action of Acacia catechu. Sham JS, et al. **Planta Med** 1984 Apr;50(2):177–80

ACADEMIC MEDICAL CENTERS

Academic information in the academic health sciences center: roles for the library in information management. Testing the model: some reflections on the Matheson Report. Bishop D. **Bull Med Libr Assoc** 1984 Jan;72(1):31–4

Roles for the library in information management. Academic information in the academic health sciences center: overview. Braude RM. **Bull Med Libr Assoc** 1983 Oct; 71(4):405–9

Roles for the library in information management. Implementation in an academic health sciences center. Johnson MF Jr. **Bull Med Libr Assoc** 1983 Oct;71(4):423–6

Palm Springs' oasis of medical education. Korcok M. **Can Med Assoc J** 1984 Feb 15;130(4):480–4

Biomedical engineering teaching and research at the centre for biomedical engineering, University of New South Wales, Kensington, Australia. Farrell PC, et al. **Eng Med** 1983 Oct;12(4):201–4

Environmental impact of incineration of low-level radioactive wastes generated by a large teaching medical institution. Philip PC, et al. **Health Phys** 1984 May; 46(5):1123–6

Use of computergraphics to meet researchers' needs. Colyear B, et al. **J Biocommun** 1984 May;11(2):20–2

The influence of medical practice competition on the academic medical center's educational mission [editorial] Bowles LT. **J Med Educ** 1984 Jul;59(7):605–6

Self renewal in the academic medical center through creativity and innovation [editorial] Cooper JA. **J Med Educ** 1983 Dec;58(12):970–2

Impact of the evolution in health care delivery on the academic medical center. Friedman RB. **J Med Educ** 1984 Jul;59(7):539–46

The effect on academic health centers of tertiary care in community hospitals. Gee DA, et al. **J Med Educ** 1984 Jul;59(7):547–52

A third-year family medicine clerkship based in an academic family practice center. Taylor RB, et al. **J Med Educ** 1984 Jan;59(1):39–44

An approach to alcoholism in a university medical center complex. Spickard WA, et al. **JAMA** 1984 Oct 12; 252(14):1894–7

Triage: from institutions to departments. Begun MS. **Mt Sinai J Med (NY)** 1984 Jan–Feb;51(1):104–5

The academic surgeon: a young surgeon's perspective [editorial] Glenn J. **Surgery** 1984 Jan;95(1):123–4

[Statistical survey of work at the Military Medicine Academy during 1982] **Zb Vojnomed Akad** 1982;24:66–199 **(Scr)**

ECONOMICS

Sources of support for the staff of academic departments of clinical pharmacology in the United Kingdom [letter] Turner P. **Br J Clin Pharmacol** 1984 Jul;18(1):111–2

Abusing the academic physician [editorial] Hirshaut Y. **Cancer Invest** 1983;1(6):547–8

Center grants in digestive diseases. Jacobson ED. **Gastroenterology** 1983 Nov;85(5):1215–7

Computergraphics and biocommunication: a report on the impact. Smith HR Jr. **J Biocommun** 1984 May;11(2):40–8

Welcome to the faculty or the franchise? [editorial] McDonald JM. **Pediatrics** 1984 Jun;73(6):867–8

HISTORY

Pediatrics in an academic health center. Harrell GT. **J Fla Med Assoc** 1984 Mar;71(3):163–6

Little 'hospital' on the prairie. Roughly the first hundred years of Rochester's Mayo Clinic. Klein R. **Postgrad Med** 1984 Sep 1;76(3):15–6, 19, 22–4

The Mayo Clinic in 1984. Preserving the founding values amidst modern diversification. Mayberry WE.

Postgrad Med 1984 Sep 1;76(3):13–5

[Beginnings of the Ophthalmic Clinic in Prague, its first professor J. N. Fischer and his assistants. IV. Assistants in the Prague Ophthalmic Clinic until 1847] Kadlecová V. **Cesk Oftalmol** 1983 Sep;39(5):357–64 (Eng. Abstr.) **(Cze)**

[20 years' operation of the Radioisotope Department of the 3d Internal Medicine Clinic of the Charles University Medical School in Prague] Kapitola J. **Sb Lek** 1983 Sep; 85(7–8):211–5 (Eng. Abstr.) **(Cze)**

[Historical preamble to the dedication of auditoriums] Lichtenthaeler C. **Rev Med Suisse Romande** 1984 May; 104(5):335–6 **(Fre)**

[The activity of the first three titular professors of dermato-venereologic clinics: Gh. Demetriade, E.I. Mironescu and Gh. Nastase (1901–1962)] Costea V. **Rev Med Chir Soc Med Nat Iasi** 1983 Jan–Mar;87(1):149–55 **(Rum)**

[Dermato-venereology in Jassy in the last 20 years (1962–1982)] Dobrescu AL. **Rev Med Chir Soc Med Nat Iasi** 1983 Jan–Mar;87(1):156–66 **(Rum)**

[Establishment of dermato-venereologic clinics in Jassy and activity during the period of the acting professors (1882–1901)] Munteanu M. **Rev Med Chir Soc Med Nat Iasi** 1983 Jan–Mar;87(1):141–8 **(Rum)**

[60 years of the Ortbopedic Clinic of Comenius University] Cerveňanská N. **Acta Chir Orthop Traumatol Cech** 1983 Dec;50(6):485–90 **(Slo)**

ORGANIZATION & ADMINISTRATION

Presidential address: Mr. Hunter builds his dream department. Cohn I Jr. **Ann Surg** 1984 May;199(5):491–501

A view of academic medical centers. Lewis LJ. **Bull NY Acad Med** 1984 Jun;60(5):494–503

Institutional objectives for medical education that relates to the community. Rosser WW, et al. **Can Med Assoc J** 1984 Mar 15;130(6):683–9

Tensions between academic cardiology and internal medicine. Braunwald E. **Int J Cardiol** 1984 Feb;5(2):223–8

Maintaining the integrity of a biomedical communications department. Berger RA. **J Biocommun** 1984 Feb;11(1):20–3

Computergraphics in a full-service department: a three-year experience. Finch ME, et al. **J Biocommun** 1984 May; 11(2):17–9

Management of computergraphics in a Medical Graphics Department. Litwiller LA, et al. **J Biocommun** 1984 May; 11(2):13–6

The challenge of governance: the relationship of the teaching hospital to the university. Heyssel RM. **J Med Educ** 1984 Mar;59(3):162–8

Developing a clinical faculty practice plan in a university clinic. Thrower RW, et al. **J Med Educ** 1983 Dec; 58(12):921–8

Strategies for the '80s: Scott and White builds on its basic philosophy [editorial] Knudsen KB. **Postgrad Med** 1983 Nov;74(5):15–22

The importance of management training for academic physicians. Martin LF, et al. **Surgery** 1984 Jan;95(1):52–4

The organization of surgical oncology in university departments of surgery [editorial] Rosenberg SA. **Surgery** 1984 May;95(5):632–4

[Sectoring of a university clinic] Klusmann D, et al. **Psychiatr Prax** 1983 Nov;10(6):209–16 (Eng. Abstr.) **(Ger)**

[Development and organization of complex interdisciplinary oncology in the medical department (Charité) of Humboldt University, Berlin] Riessbeck KH. **Radiobiol Radiother (Berl)** 1984;25(1):21–7 (Eng. Abstr.) **(Ger)**

STANDARDS

[Hospital hygiene aspects of the incorporation of a new clinic into the medical center of Karl Marx University] Furter HJ. **Z Gesamte Hyg** 1984 Jan;30(1):27–30 (Eng. Abstr.) **(Ger)**

TRENDS

Health services, health manpower, and universities in relation to health for all: an historical and future perspective. Bryant JH. **Am J Public Health** 1984 Jul;74(7):714–9

The academic medical center today. Rogers DE, et al. **Ann Intern Med** 1984 May;100(5):751–4

From academia to private practice, or the maturation of a physician. McIntosh HD. **Int J Cardiol** 1984 Feb;5(2):260–8

From the rural perspective: a look at the changing role of the medical center. Thorup OA Jr, et al. **Trans Am Clin Climatol Assoc** 1983;95:115–24

UTILIZATION

[Survey of the tooth extractions in the 4 years of operation of the University of Turin Dental Clinic] Moniaci D, et al. **Minerva Stomatol** 1983 Nov–Dec;32(6):809–16 (Eng. Abstr.) **(Ita)**

ACADEMIES AND INSTITUTES

Sree chitra tirunal institute for medical sciences and technology. Valiathan MS. **Artif Organs** 1984 May; 8(2):232–3

Presentation of Academy plaque to Iago Galdston, M.D. Clark DW. **Bull NY Acad Med** 1983 Sep;59(7):620–5

Presentation of Academy Medal to Edwin D. Kilbourne, M.D. Hirst GK. **Bull NY Acad Med** 1983 Sep;59(7):626–31

Canadian endorsement: American Academy of Periodontology's view of prevention and treatment of gum diseases. **Can Dent Assoc J** 1983 Jun;49(6):336

The Biological Institute of the Carlsberg foundation: international centre for cell biology for 50 years. Rasmussen L, et al. **Cell Biol Int Rep** 1983 Dec;7(12):1071–9

Royal Academy of Medicine in Ireland. Directory. **Ir J Med Sci** 1983 Oct;152 Suppl 4:1–27

An accounting of governmental liaison activities of the American Academy of Dermatology, 1977–1982. Weary PE. **J Am Acad Dermatol** 1984 Jan;10(1):142–7

John A. Gray awarded honorary fellowship. Coker RC. **J Am Coll Dent** 1983 Winter;50(4):16

Academy of Surgical Research [letter] Butterfield AB. **J Am Vet Med Assoc** 1983 Aug 15;183(4):410

Sharp decline in animal use in a pharmacological research institute [letter] Jori A. **Lancet** 1984 Jul 28;2(8396):229

Construction of the annual meeting program of the Academy. Feldman DS. **Neurology (NY)** 1984 Apr;34(4):506–8

Should there be a National Institute for Nursing? Dumas RG, et al. **Nurs Outlook** 1984 Jan–Feb;32(1):16–22

Joint policy statement. Principles of treatment of disabled infants. **Pediatrics** 1984 Apr;73(4):559–60

The Swedish Institute for the Handicapped and its role in the provision of technical aids. Lindahl L. **Scand J Rehabil Med [Suppl]** 1983;9:71–4

[Clinico-morphological characteristics of endometrial carcinoma based on autopsy data in the Institute of Oncology for 25 years (1955–1979)] Stepanov V. **Akush Ginekol (Sofiia)** 1984;23(2):171–7 (Eng. Abstr.) **(Bul)**

[1984 roster of the Royal Academy of Medicine of Belgium] **Bull Mem Acad R Med Belg** 1984;139:1–54 **(Fre)**

[Role of scientific-research institutes specializing in obstetrics and gynecology on the implementation of scientific advances in public health practice] Nikonchik OK. **Akush Ginekol (Mosk)** 1984 Jan;(1):5–7 **(Rus)**

[Joint work experience of industrial hygiene and occupational disease institutes with practical public health organs] Kundiev IuI, et al. **Gig Tr Prof Zabol** 1983 Aug;(8):40–4 **(Rus)**

[Results of the 5-year collaboration of scientific institutions of the USSR with the Special Program for Research and Training in Tropical Diseases and the tasks of the All-Union Coordination Center for Tropical Diseases] Nikolaevskiĭ GP, et al. **Med Parazitol (Mosk)** 1983 Jul–Aug;(4):72–4 **(Rus)**

[Characteristics of the publications of the N. K. Koltsov Institute of Developmental Biology of the Academy of Sciences of the USSR and their citation frequency] Lozovskaia GS, et al. **Ontogenez** 1983 Nov–Dec; 14(6):651–6 **(Rus)**

[Introduction of scientific achievements into public health practice (the experience of the Byelorussian Research Institute of Maternal and Child Health Care)] Ustinovich AK, et al. **Sov Zdravookhr** 1984;(7):11–5 (Eng. Abstr.) **(Rus)**

[Basic trends in the research on influenza at the Pasteur Institute] Fridman EA. **Tr Inst Pastera** 1982;59:3–6 **(Rus)**

[Planning of research in oncology during the XI 5-year period in medical institutes of Siberia and the Far East and interactions between colleges and the Siberian branch of the Cancer Research Center of the USSR Academy of Medical Sciences] Zyrianov BN. **Vopr Onkol** 1983; 29(12):6–11 **(Rus)**

[Institutes of Gerontology at the USSR Academy of Medical Sciences in Kiev] Baláž V. **Cas Lek Cesk** 1983 Jul 8; 122(27):859–61 **(Slo)**

HISTORY

30 years of the Research Institute of Tuberculosis and Respiratory Diseases in Prague. Feuereisl R. **Czech Med** 1983;6(4):193–5

The Accademia Segreta of Girolamo Ruscelli. A sixteenth-century Italian scientific society. Eamon W, et al. **Isis** 1984 Jun;75(277):327–42

[The role of the Biophysics Institute of the Czechoslovak Academy of Science at the beginning of biophysics research in Czechoslovakia] Hradečná Z. **Bratisl Lek Listy** 1984 Jan;81(1):106–8 **(Cze)**

[Contributions to military epidemiology during the 25 years of existence of the Jan Evangelista Purkinje Military Medicine Institute for Research and Continuing Education in Hradec Králové] Kyntera F. **Cesk Epidemiol Mikrobiol Imunol** 1984 Jan;33(1):53–5 **(Cze)**

[Development of the profession of organization and management of military health services during the 25 years of existence of the J.E. Purkinje Military Medicine Institute for Research and Continuing Education in Hradec Králové] Slezák K. **Cesk Zdrav** 1984 Jan;32(1):1–5 (Eng. Abstr.) **(Cze)**

[Main trends in the activities of the Department of Military Internal Medicine. On the 25th anniversary of the J.E. Purkyně Military Medicine and Postgraduate Institute] Pidrman V. **Vnitr Lek** 1984 Jan;30(1):86–7 **(Cze)**

[Outline of the history of the Maria Skłodowska-Curie Radium Institute] Kołodziejska H. **Nowotwory** 1983 Jan–Mar;33(1):1–5 (Eng. Abstr.) **(Pol)**

[Role of the Maria Skłodowska-Curie Institute of Oncology in the development of cancer control in Poland 1945–1982] Koszarowski T. **Nowotwory** 1983 Jan–Mar;33(1):7–12 **(Pol)**

[50th anniversary of the Department of Radiodiagnosis of the Maria Skłodowska-Curie Oncology Institute in Warsaw] **Pol Przegl Radiol (Warszawa)** 1983 Jul–Aug; 47(4):261–2 **(Pol)**

[A century of activity in preventive medicine at the Institute of Medicine and Pharmacy of Jassy (1882–1982)] **Rev Med Chir Soc Med Nat Iasi** 1983 Oct–Dec; 87(4):707–25 **(Rum)**

[40th anniversary of the Academy of Medical Sciences of the USSR] **Arkh Anat Gistol Embriol** 1984 Jun;86(6):5–10 **(Rus)**

[Problems of pathological anatomy within the framework of the USSR Academy of Medical Sciences during the 40 years of its existence (1944–1984)] Strukov AI, et al. **Arkh Patol** 1984;46(6):3–15 (Eng. Abstr.) **(Rus)**

[40th anniversary of the Academy of Medical Sciences of the U.S.S.R.] **Biull Eksp Biol Med** 1984 Jul;97(7):3–4 **(Rus)**

[Pharmacology at the Academy of Medical Sciences of the USSR] Zakusov VV. **Farmakol Toksikol** 1984 Jan–Feb; 47(1):5–13 **(Rus)**

[Scientific activity of the A. A. Bogomolets Institute of Physiology of the Academy of Sciences of the Ukrainian SSR. On the 50th anniversary of its founding] Serkov FN, et al. **Fiziol Zh** 1984 May–Jun;30(3):257–66 **(Rus)**

[40th anniversary of the USSR Academy of Medical Sciences] **Med Radiol (Mosk)** 1984 Jun;29(6):3–6 **(Rus)**

[50th anniversary of the A. A. Bogomolets Institute of Physiology of the Academy of Sciences of the UkrSSR] **Neirofiziologiia** 1984;16(3):283–5 **(Rus)**

[G.I. Turner Leningrad Research Pediatric Orthopedic Institute and its role in children's health care (on the 50th anniversary of its founding)] Andrianov VL, et al. **Pediatriia** 1983 Nov;(11):74–5 (Eng. Abstr.) **(Rus)**

[Pages from our history] Koliadiuk IV, et al. **Sov Med** 1983; (12):111–3 **(Rus)**

[25 years of the activities of the Institute of Gerontology of the Academy of Medical Sciences of the USSR in the development of the science of aging] Chebotarev DF. **Vestn Akad Med Nauk SSSR** 1984;(3):3–9 **(Rus)**

[40th anniversary of the USSR Academy of Medical Sciences] Petrov BD. **Vestn Akad Med Nauk SSSR** 1984; (6):3–13 **(Rus)**

[The role of P. A. Gertsen Moscow Research Oncological Institute of the RSFSR Ministry of Public Health in the development of Soviet oncology] Chissov VI, et al. **Vopr Onkol** 1983;29(11):3–7 **(Rus)**

[Basic results of 60 years' research at the Pasteur Leningrad Institute of Epidemiology and Microbiology on acute intestinal infections (1923–1983)] Avdeeva TA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Jan;(1):115–9 **(Rus)**

[Scientific activities of the A. B. Aleksanian Armenian Research Institute of Epidemiology, Virology and Medical Parasitology of the Order of the Red Banner of Labor (on the 60th anniversary of the founding of the Institute)] Dekhtsunian KM. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Feb;(2):114–7 (Eng. Abstr.) **(Rus)**

[Historical circumstances surrounding the establishment of the Institute of Medical Physics] Tichý M, et al. **Bratisl Lek Listy** 1984 Feb;81(2):235–9 **(Slo)**

[Preview of a work on the history of the Royal Academy of Medicine] Matilla y Gómez V. **An R Acad Nac Med (Madr)** 1983;100(3):497–513 **(Spa)**

[The Foundation for Clinical Research (pro Deo, patriae eius scientia)] Busó R. **Bol Asoc Med PR** 1983 Nov;75(11):500 **(Spa)**

MANPOWER

Guidelines for employee health services in hospitals, clinics and medical research institutions. Brown TC, et al. **J Occup Med** 1983 Oct;25(10):771–3

ORGANIZATION & ADMINISTRATION

The International Centre for Diarrhoeal Disease Research, Bangladesh. Knight J. **Trop Gastroenterol** 1984 Jan–Mar; 5(1):60–3

[Scientific-organizational principles and methodological approaches to the system of introduction into practice the results of research conducted at the leading institute] Kochemasov VV, et al. **Gematol Transfuziol** 1983 Sep; 28(9):3–5 (Eng. Abstr.) **(Rus)**

[Development and improvement of the coordination of the scientific and practical activities of the national institutes of forensic medicine] Shliakhov AR, et al. **Sud Med Ekspert** 1984 Apr–Jun;27(2):7–9 **(Rus)**

[First results and perspectives in scientific research at the Siberian Division of the All-Union Cardiology Research Center, USSR Academy of Medical Sciences] Potapov AI, et al. **Ter Arkh** 1984;56(1):28–32 **(Rus)**

[Methodological problems of the analysis of the effectiveness of the organization of medical research] Pogodaev GV. **Vestn Akad Med Nauk SSSR** 1983;(7):45–9 **(Rus)**

ACANTHOCEPHALA

Effects of crude oils on the gastrointestinal parasites of two species of marine fish. Khan RA, et al. **J Wildl Dis** 1983 Jul;19(3):253–8

ANATOMY & HISTOLOGY

Acanthocephalan, probably Bolbosoma, from the peritoneal cavity of man in Japan. Beaver PC, et al. **Am J Trop Med Hyg** 1983 Sep;32(5):1016–8

ISOLATION & PURIFICATION

Helminths of striped bass (Morone saxatilis) from the Kouchibouguac River, New Brunswick. Hogans WE. **J Wildl Dis** 1984 Jan;20(1):61–3

METABOLISM

Selective metabolism of L-serine by Moniliformis (Acanthocephala) in vitro. Crompton DW, et al. **Parasitology** 1984 Aug;89 (Pt 1):133–44

PHYSIOLOGY

Investigating over-dispersion; Moniliformis (Acanthocephala) and rats. Crompton DW, et al. **Parasitology** 1984 Apr;88 (Pt 2):317–31

Parasite population biology and host nutrition: dietary fructose and Moniliformis (Acanthocephala). Keymer A, et al. **Parasitology** 1983 Oct;87 (Pt 2):265–78

ACANTHOCHEILONEMA

Neutrophil-mediated killing of Dipetalonema viteae microfilariae: simultaneous presence of IgE, IgG antibodies and complement is required. Aime N, et al. **Immunology** 1984 Mar;51(3):585–94

CLASSIFICATION

Dipetalonema (Alafilaria) hydrochoerus subgen. et sp. n. (Nematoda: Filarioidea) from Colombian capybaras. Yates JA, et al. **J Parasitol** 1983 Jun;69(3):606–9

GROWTH & DEVELOPMENT

Experimental Dipetalonema reconditum infections in dogs. Lindemann BA, et al. **J Parasitol** 1984 Feb;70(1):167–8

IMMUNOLOGY

Immunocytochemical studies on several developmental stages of Dipetalonema viteae (Filarioidea). Prüsse A, et al. **Tropenmed Parasitol** 1983 Sep;34(3):169–73

Time courses of antibody levels in Mastomys natalensis after infections with Litomosoides carinii, Dipetalonema viteae, Brugia malayi or B. pahangi, Determined by ELISA. Tandon A, et al. **Z Parasitenkd** 1983;69(5):681–92

METABOLISM

Uptake of adenosine 3',5'-cyclic monophosphate and isoproterenol by filarial parasites. Masood K, et al. **J Helminthol** 1983 Dec;57(4):335–8

ACANTHOCHEILONEMIASIS see under **FILARIASIS**

ACANTHOCYTES see under **ERYTHROCYTES, ABNORMAL**

ACANTHOLYSIS see under **SKIN DISEASES**

ACANTHOLYSIS BULLOSA see **EPIDERMOLYSIS BULLOSA**

ACANTHOSIS NIGRICANS

BLOOD

A case of acanthosis nigricans--an investigative approach. Walton S, et al. **Clin Exp Dermatol** 1984 Jan;9(1):58–63

Acanthosis nigricans and insulin resistance. Plourde PV, et al. **J Am Acad Dermatol** 1984 May;10(5 Pt 2):887–91

COMPLICATIONS

Acanthosis nigricans. In association with the adrenogenital syndrome, hyperlipoproteinemia type IV, and congenital malformation of the urinary tract. Weissman-Katzenelson V, et al. **Arch Dermatol** 1983 Nov;119(11):953–4

Warts as a presenting sign in acanthosis nigricans. Misch KJ, et al. **Clin Exp Dermatol** 1983 Nov;8(6):651–6

Esophageal involvement in acanthosis nigricans. Dyrszka H, et al. **NY State J Med** 1984 May;84(5):256–8

Insulin resistance with acanthosis nigricans and acral hypertrophy. Holdaway IM, et al. **NZ Med J** 1984 May 9;97(755):286–8

[Acanthosis nigricans, insulin resistance. Polycystic ovary syndrome and hypertrichosis] Mauduit G, et al. **Ann Dermatol Venereol** 1983;110(9):737–8 **(Fre)**

[Acanthosis nigricans of the oral mucosa associated with bladder carcinoma] Aloi FG, et al. **G Ital Dermatol Venereol** 1983 Mar-Apr;118(2):95–7 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Acanthosis nigricans maligna. Clinical and virological investigations. Gross G, et al. **Dermatologica** 1984; 168(6):265–72

DRUG THERAPY

[Treatment of pigment-papillary dystrophy of the skin] Mirakhmedov UM, et al. **Vestn Dermatol Venerol** 1984 Jan; (1):57–60 (Eng. Abstr.) **(Rus)**

ETIOLOGY

[Lipoatrophic diabetes with acanthosis nigricans. Prolonged blood glucose normalization by continuous infusion of insulin] Leblanc H, et al. **Presse Med** 1984 Apr 14; 13(16):987–9 (Eng. Abstr.) **(Fre)**

METABOLISM

[Insulin receptors in syndromes involving acanthosis nigricans and severe insulin resistance] Muggeo M, et al. **G Ital Dermatol Venereol** 1982 Mar-Apr;117(2):73–8 (Eng. Abstr.) **(Ita)**

PATHOLOGY

Oral malignant acanthosis nigricans. Mostofi RS, et al. **Oral Surg** 1983 Oct;56(4):372–4

ACARI

ISOLATION & PURIFICATION

[Domestic Acari in Sardinia] Ottoboni F, et al. **Boll Ist Sieroter Milan** 1983 Sep 30;62(4):362–9 (Eng. Abstr.) **(Ita)**

ACARIASIS see **MITE INFESTATIONS**

ACARUS see **MITES**

ACCELERATION

Hippocampal EEG and motor activity in the cat: the role of eye movements and body acceleration. Arnolds DE, et al. **Behav Brain Res** 1984 May;12(2):121–35

Perception of body weight and body mass at twice earth-gravity acceleration levels. Lackner JR, et al. **Brain** 1984 Mar;107 (Pt 1):133–44

Effects of periodic accelerations on blood flow in arteries. Sud VK, et al. **Bull Math Biol** 1983;45(5):857–67

A task difficulty--G stress experiment. Repperger DW, et al. **Ergonomics** 1984 Feb;27(2):161–76

Leg motion analysis during gait by multiaxial accelerometry: theoretical foundations and preliminary validations. Hayes WC, et al. **J Biomech Eng** 1983 Aug;105(3):283–9

Effects of rectilinear acceleration and optokinetic and caloric stimulations in space. von Baumgarten R, et al. **Science** 1984 Jul 13;225(4658):208–12

[Responses of the posture control system to lateral acceleration disturbances] Ishida A, et al. **Iyodenshi To Seitai Kogaku** 1984 Apr;22(2):130–2 (Eng. Abstr.) **(Jpn)**

[Body acceleration measurement and oxygen uptake during jumping] Tamura T, et al. **Nippon Seirigaku Zasshi** 1983; 45(11):670–80 (Eng. Abstr.) **(Jpn)**

[Fluid displacement in a model of the semicircular canals exposed to the action of angular acceleration under weightlessness] Solodovnik FA, et al. **Izv Akad Nauk SSSR [Biol]** 1983 Sep-Oct;(5):759–62 (Eng. Abstr.) **(Rus)**

[Periodic effects of 5 g acceleration on the kinetics of erythrocyte hemolysis in white rats] Aramalian AG, et al. **Kosm Biol Aviakosm Med** 1983 Nov-Dec;17(6):60–2 (Eng. Abstr.) **(Rus)**

[Neuron-vascular connections in the superior geniculate body and anterior bigeminal body of cats after acceleration] Boiarkina IV. **Kosm Biol Aviakosm Med** 1983 Nov-Dec; 17(6):63–5 (Eng. Abstr.) **(Rus)**

[Metabolic consequences of positive pressure respiration during exposure to acceleration] Domashuk Iu. **Kosm Biol Aviakosm Med** 1983 Nov-Dec;17(6):33–6 (Eng. Abstr.) **(Rus)**

[The antigravity suit, chamberless type, as a means of increasing orthostatic tolerance after water immersion hypokinesis and acceleration] Shul'zhenko EB, et al. **Kosm Biol Aviakosm Med** 1983 Nov-Dec;17(6):30–3 (Eng. Abstr.) **(Rus)**

[Hemodynamic reactions to positive intrathoracic pressure in + Gz overload] Tikhonov MA, et al. **Kosm Biol Aviakosm Med** 1983 Sep-Oct;17(5):27–30 (Eng. Abstr.) **(Rus)**

[Effect of hyperstimulation of the vestibular analyzer on the adrenocorticotropic function of the hypophysis and adrenal cortex] Revskoĭ IuK, et al. **Vestn Otorinolaringol** 1984 Jan-Feb;(1):29–32 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Othematoma associated with ill-fitting helmet and high G load: a case report. Aghina JC. **Aviat Space Environ Med** 1984 Feb;55(2):143–4

Pathophysiologic effects of acceleration stress in the miniature swine. Burns JW, et al. **Aviat Space Environ Med** 1983 Oct;54(10):881–93

Significance of headrest geometry in +Gz protective seats. Burns JW, et al. **Aviat Space Environ Med** 1984 Feb; 55(2):122–7

Conditioned feeding suppression in rats produced by cross-coupled and simple motions. Fox RA, et al. **Aviat Space Environ Med** 1982 Mar;53(3):218–20

Comparative analysis: effects of positive and negative lateral acceleration on isometric fatigue in the forearm. Johnson RA. **Aviat Space Environ Med** 1984 Apr;55(4):302–7

Prediction of arterial wall failure under acceleration stress in high-performance aircraft. McCormack PD. **Aviat Space Environ Med** 1984 Jul;55(7):620–31

Diaphragmatic rupture during G-maneuvers in a T33 jet trainer. Maningas PA, et al. **Aviat Space Environ Med** 1983 Nov;54(11):1037–8

Evoked potential studies of the effects of impact acceleration on the motor nervous system. Saltzberg B, et al. **Aviat Space Environ Med** 1983 Dec;54(12 Pt 1):1100–10

Spinal injury in a U.S. Army light observation helicopter. Shanahan DF, et al. **Aviat Space Environ Med** 1984 Jan; 55(1):32–40

Subjective effects of combined-axis vibration: comparison of Y-axis and Y-plus-roll vibrations. Shoenberger RW. **Aviat Space Environ Med** 1984 May;55(5):387–90

The effects of acceleration forces on night vision. Tipton DA, et al. **Aviat Space Environ Med** 1984 Mar;55(3):186–90

Neurophysiological effects of -X impact acceleration. Weiss MS, et al. **Aviat Space Environ Med** 1983 Nov; 54(11):1023–7

G-tolerance enhancement: straining ability comparison of aircrewmen, nonaircrewmen, and trained centrifuge subjects. Whinnery JE. **Aviat Space Environ Med** 1982 Mar; 53(3):232–4

[Use of the rise in retinal central critical fusion frequency as an index of endurance of accelerations and their correlations with circulatory changes] Modugno GC, et al. **Riv Med Aeronaut Spaz** 1982 Jan-Dec;47(1–4):235–45 (Eng. Abstr.) **(Ita)**

ACCELOGRAPHY see **KINETOCARDIOGRAPHY**

ACCEPTABILITY OF HEALTH CARE see **PATIENT ACCEPTANCE OF HEALTH CARE**

ACCESSIBILITY OF HEALTH SERVICES see **HEALTH SERVICES ACCESSIBILITY**

ACCESSORY NERVE

[Proposal for the definition of 'foramen magnum syndrome'--foramen magnum tumor and abnormalities] Yasuoka S, et al. **No To Shinkei** 1983 Oct;35(10):1001–7 (Eng. Abstr.) **(Jpn)**

[Case of Villaret syndrome of unknown origin with a benign course--study on the putative foci and etiology] Fukui T, et al. **Rinsho Shinkeigaku** 1983 Sep;23(9):744–8 (Eng. Abstr.) **(Jpn)**

ANATOMY & HISTOLOGY

The motor nuclei of the glossopharyngeal-vagal and the accessorius nerves in the rat. Matesz C, et al. **Acta Biol Hung** 1983;34(2–3):215–29

A contribution to the study of the innervation of the sternocleidomastoid muscle. Caliot P, et al. **Anat Clin** 1984; 6(1):21–8

Ultrastructural and electrophysiological properties of accessory abducens nucleus motoneurones: an intracellular horseradish peroxidase study in the cat. Destombes J, et al. **Neuroscience** 1983 Dec;10(4):1317–32

[Innervation of the trapezius muscle and sternocleidomastoid muscle in the cat] Holomáňová A, et al. **Bratisl Lek Listy** 1984 May;81(5):583–8 (Eng. Abstr.) **(Slo)**

INJURIES

Accessory nerve injury. Vastamäki M, et al. **Acta Orthop Scand** 1984 Jun;55(3):296–9

[Iatrogenic injuries of the accessory nerve during lymph node biopsy in the posterior cervical triangle] Eskesen V, et al. **Ugeskr Laeger** 1983 Oct 17;145(42):3233–5 (Eng. Abstr.) **(Dan)**

[Accessory nerve paralysis] Vastamäki M, et al. **Duodecim** 1984;100(3):136–41 (Eng. Abstr.) **(Fin)**

PHYSIOPATHOLOGY

Functional evaluation of the spinal accessory nerve after neck dissection. Leipzig B, et al. **Am J Surg** 1983 Oct; 146(4):526–30

Conduction studies along the accessory nerve and follow-up of patients with trapezius palsy. Petrera JE, et al. **J Neurol Neurosurg Psychiatry** 1984 Jun;47(6):630–6

Accessory nerve stimulation in the assessment of myasthenia gravis. Schumm F, et al. **Muscle Nerve** 1984 Feb; 7(2):147–51

SURGERY

Paralysis in root avulsion of the brachial plexus. Neurotization by the spinal accessory nerve. Allieu Y, et al. **Clin Plast Surg** 1984 Jan;11(1):133–6

Modified Forssell's operation for crib biting in the horse.

Turner AS, et al. **J Am Vet Med Assoc** 1984 Feb 1; 184(3):309–12

ACCIDENT INSURANCE see INSURANCE, ACCIDENT

ACCIDENT PREVENTION

see related
PROTECTIVE DEVICES

Child auto restraints. Schaaf K. **Alaska Med** 1983 Jul–Sep; 25(3):76–8

Cost-effective occupational health and safety training. Samways MC. **Am Ind Hyg Assoc J** 1983 Oct;44(10):A6–9

Childhood household safety. An overview. Dershewitz RA, et al. **Am J Dis Child** 1984 Jan;138(1):85–8 (19 ref.)

Safety precautions in home chemotherapy. Schaffner A. **Am J Nurs** 1984 Mar;84(3):346–7

Child abuse and accidents in black families: a controlled comparative study. Daniel JH, et al. **Am J Orthopsychiatry** 1983 Oct;53(4):645–53

Accidental policy: an analysis of the problem of unintended injuries of childhood. Margolis LH, et al. **Am J Orthopsychiatry** 1983 Oct;53(4):629–44

Fatality rates and regulatory policies in bituminous coal mining, United States, 1959–1981. Weeks JL, et al. **Am J Public Health** 1983 Nov;73(11):1278–80

Use of taste repellants and emetics to prevent accidental poisoning of dogs. Houpt K, et al. **Am J Vet Res** 1984 Aug;45(8):1501–3

An analysis of major errors and equipment failures in anesthesia management: considerations for prevention and detection. Cooper JB, et al. **Anesthesiology** 1984 Jan; 60(1):34–42

The Child Accident Prevention Trust. Jackson RH, et al. **Arch Dis Child** 1983 Dec;58(12):1031–3

Regulations and the air ambulance. Gibbons HL. **Aviat Space Environ Med** 1984 Mar;55(3): 239–43

Ultralight aircraft safety and regulation. Moseley HS. **Aviat Space Environ Med** 1983 Oct;54(10):944–8

Emergency fire-safety skills. A study with blind adolescents. Jones RT, et al. **Behav Modif** 1984 Jan;8(1):59–78

Emergency fire-safety skills for blind children and adolescents. Group training and generalization. Jones RT, et al. **Behav Modif** 1984 Apr;8(2):267–86

Safety in dental practice. Sarll DW, et al. **Br Dent J** 1983 Dec 10;155(11):390–1

Revised guidance on acceptable limits of exposure during nuclear magnetic resonance clinical imaging. **Br J Radiol** 1983 Dec;56(672):974–7

Whatever happened to reactor safety? Kerr W. **Bull NY Acad Med** 1983 Dec;59(10):907–11

Safe handling of chemotherapeutic agents: a report from The Mount Sinai Medical Center. Jones RB, et al. **CA** 1983 Sep–Oct;33(5):258–63

Safety in the operating room. Wyant GM, et al. **Can Anaesth Soc J** 1984 May;31(3 Pt 1):287–301

Safety in the medical laboratory. Hawk WA, et al. **Clin Lab Med** 1983 Sep;3(3):467–84

Fencing of private swimming pools in New Zealand. Langley J. **Community Health Stud** 1983 Oct;7(3):285–9

An inspection survey of working conditions in 61 firms using management retained form: a trial study. Mubisi AS, et al. **East Afr Med J** 1984 Feb;61(2):104–12

Acceptability of human risk. Kasperson RE. **Environ Health Perspect** 1983 Oct;52:15–20

Changing local health and safety practices at work within the explosives industry. Kjellén U, et al. **Ergonomics** 1983 Sep;26(9):863–77

Fire safety in hospitals. Steventon J. **Ergonomics** 1983 Aug; 26(8):747–54

Update on radiation safety in a nuclear medicine department. Gandsman E, et al. **Health Phys** 1984 Jun;46(6):1293–5

NIMH report. Study of 43 jails shows mental health services and inmate safety are compatible. Runck B. **Hosp Community Psychiatry** 1983 Nov;34(11):1007–8

Theoretical approaches of intervention in industrial settings. Lazar TF. **Hygie** 1983 Dec;2(4):39–43

Participative approaches towards work safety and health. Wintersberger H. **Hygie** 1983 Dec;2(4):16–9

I.4 Hazards in handling N-nitroso compounds. Castegnaro M. **IARC Sci Publ** 1983;45:35–7

Toward prevention of anesthetic mishaps. Cooper JB. **Int Anesthesiol Clin** 1984 Summer;22(2):167–83

Concepts of fail-safe in anesthetic practice. Duberman SM, et al. **Int Anesthesiol Clin** 1984 Summer;22(2):149–65

Occupational health and safety in the Federal Republic of Germany: a case study of co-determination and health politics. Hauss FO, et al. **Int J Health Serv** 1984; 14(2):279–87

Home safety: development and validation of one component of an ecobehavioral treatment program for abused and neglected children. Tertinger DA, et al. **J Appl Behav Anal** 1984 Summer;17(2):159–74

Depth perception and color blindness. **J Occup Med** 1983 Oct;25(10):724

Information seeking among safety and health managers. Beck KH, et al. **J Psychol** 1983 Sep;115(1st Half):23–31

Student accidents in Hawaii's public schools. Taketa S. **J Sch Health** 1984 May;54(5):208–9

Cotsides—protecting whom against what? [editorial] **Lancet** 1984 Aug 18;2(8399):383–4

Safety measures in gynecological laser surgery. Lobraico RV. **Lasers Surg Med** 1984;4(2):163–6

Determination of safe exposure levels of He/Ne laser light to the human body by means of erythrocyte irradiation studies. Singh M, et al. **Med Biol Eng Comput** 1984 Mar; 22(2):147–50

Child safety is no accident. Cohen D. **Med J Aust** 1984 Jun 23;140(13):756–7

Advocacy for safety education. The doctor's role. Pearn J. **Med J Aust** 1984 Apr 28;140(9):537–9

Public transportation instruction: comparison of classroom instruction, community instruction, and facility-grounds instruction. Marchetti AG, et al. **Ment Retard** 1984 Jun; 22(3):128–36

Biotechnology: low risks at a premium [news] Beardsley T. **Nature** 1984 Apr 12–18;308(5960):579

Labeling standard may re-define health and safety responsibilities. Denny D. **Occup Health Saf** 1984 Jan;:30–2

Safety and health consultants: avoiding the element of chance. Hargadine H. **Occup Health Saf** 1984 Jun;:70, 72

Array of agencies regulate handling of hazardous materials. Rohrer KL. **Occup Health Saf** 1984 Jul–Aug;53(7):35–41, 43

How management can get the most from safety surveys. Spencer DC. **Occup Health Saf** 1984 Apr;53(4):51–2

Genetic screening can be a useful tool to promote safety. Strasser AL. **Occup Health Saf** 1984 Jan;:29

Safety with the carbon dioxide laser. Davis RK, et al. **Otolaryngol Clin North Am** 1983 Nov;16(4):801–13 (26 ref.)

How to prevent accidents. Holroyd HJ. **Pediatr Ann** 1983 Oct;12(10):726–7, 730–1

Prevention of childhood injuries: morbidity and mortality—an overview. Mofenson HC, et al. **Pediatr Ann** 1983 Oct;12(10):716–9

Occasional but serious accidents. Widome MD. **Pediatr Ann** 1983 Oct;12(10):761–2, 764, 766 passim

Are test materials toys? A reply to Ridenour and Reid. Bayley N, et al. **Percept Mot Skills** 1983 Dec;57(3 Pt 2):1270

Reducing falls among the elderly in a small community [letter] Alkalay L, et al. **Practitioner** 1984 Aug; 228(1394):698

Comparative risk analysis of technological hazards (a review). Kates RW, et al. **Proc Natl Acad Sci USA** 1983 Nov;80(22):7027–38

Health protection: Accident prevention and injury control. **Public Health Rep** 1983 Sep–Oct;Suppl:80–93

The 1990 objectives for the nation for injury prevention: a progress review. Davis HF Jr, et al. **Public Health Rep** 1984 Jan–Feb;99(1):10–23

Knowledge of accident prevention among parents of young children in nine Massachusetts towns. Halperin SF, et al. **Public Health Rep** 1983 Nov–Dec;98(6):548–52

A proposed campaign to increase the use of restraint systems for young children who ride in cars. Shaw CE, et al. **Public Health Rep** 1983 Sep–Oct;98(5):502–7

Safe handling of cytotoxic drugs in hospitals. Stolar MH, et al. **QRB** 1984 Jul;10(7):209–13

Occupational health and safety in Finland. Rantanen J. **Scand J Work Environ Health** 1983 Apr;9(2 Spec No):140–7

Methods of hazard analysis applied in the light metal industry. Saarela KL. **Scand J Work Environ Health** 1983 Apr;9(2 Spec No):136–9

Accidents and trauma care—1983. Frey CF. **Surg Annu** 1984; 16:69–89

You can promote safe transportation. **Tex Med** 1983 Sep; 79(9):9

[Safety of tap water] Hiisvirta L. **Duodecim** 1983; 99(22):1646–53 (18 ref.) **(Fin)**

[Safety in the home environment] Jantunen MJ. **Duodecim** 1983;99(22):1593–602 (12 ref.) **(Fin)**

[Accidents involving children and adolescents: from epidemiological findings to preventive action] Manciaux M, et al. **Rev Epidemiol Sante Publique** 1983;31(4):433–44 (Eng. Abstr.) **(Fre)**

[The Permanent Safety and Health Commission for Coal Mines and other Extraction Industries] Lemoine P. **Rev Inst Hyg Mines (Hasselt)** 1983;38(2):140–2 (Eng. Abstr.) **(Fre)**

[Significance of fatal accidents in 0- to 25-year-old persons] Franke KP, et al. **Arztl Jugendkd** 1984 Apr;75(2):112–9 (Eng. Abstr.) **(Ger)**

[Windshield injuries. Frequency—treatment—safety measures] Lund OE. **Fortschr Ophthalmol** 1984;81(1):21–8 (Eng. Abstr.) **(Ger)**

[Cause of stair and flat surface falls. Possibilities for prevention] Hein PM, et al. **Lebensversicherungsmedizin** 1983 Aug 26;35(7):154–6 (Eng. Abstr.) **(Ger)**

[Accidents of children: rules for their diagnosis, prevention and first aid] Gädeke R. **Monatsschr Kinderheilkd** 1983 Sep; 131(9):607–9 **(Ger)**

[A medical plan for occupational establishments based on the accident prevention regulations of the Public Health Service] Fuchs GH, et al. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1983 Nov;33(11):352–62 (Eng. Abstr.) **(Ger)**

[Can traffic safety at the onset of twilight be improved?] Koch P, et al. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1984 Mar;34(3):66–70 (Eng. Abstr.) **(Ger)**

[Biohazard control in the research laboratory] Sato M, et al. **Nippon Geka Hokan** 1983 Sep 1;52(5):648–54 (Eng. Abstr.) **(Jpn)**

[Safety in cardiac surgery] Suma K. **Rinsho Kyobu Geka** 1984 May;4(3):377–8 (Eng. Abstr.) **(Jpn)**

[Departmental standard: 'Work Safety Standard System. Radiodiagnostic departments. Safety requirements' (OST 42–21–14—82)] Panfilova NP. **Med Tekh** 1983 Nov–Dec; (6):30–1 **(Rus)**

[Urgent tasks of orthopedist-traumatologists] Korzh AA. **Ortop Travmatol Protez** 1984 Jan;(1):1–4 **(Rus)**

ACCIDENT PRONENESS

Accidental policy: an analysis of the problem of unintended injuries of childhood. Margolis LH, et al. **Am J Orthopsychiatry** 1983 Oct;53(4):629–44

The role of alcohol in accidental falls. Honkanen R, et al. **J Stud Alcohol** 1983 Mar;44(2):231–45

Automobile accidents and birthdays: an attempted extension of the 'death dip' hypothesis. Kunz PR, et al. **Soc Biol** 1983 Spring;30(1):106–8

[Traffic-related mobility in the elderly] Mathey FJ. **Z Gerontol** 1983 Nov–Dec;16(6):284–9 (Eng. Abstr.) **(Ger)**

ACCIDENTS

Accidents in schoolchildren: epidemiologic, aetiologic and prognostic considerations. Sillanpää M, et al. **Acta Paediatr Hung** 1983;24(2):119–30

Drug automatism. Imajo T. **Am J Forensic Med Pathol** 1984 Mar;5(1):7–10

Arterial embolism of a high-velocity rifle bullet after a hunting accident. Case report and literature review. Jones AM, et al. **Am J Forensic Med Pathol** 1983 Sep;4(3):259–64

Accidental disconnections from breathing systems, what FDA found—and what you can do about it. Janowski MJ. **Am J Nurs** 1984 Feb;84(2):241–4

Effects of maternal education, age, and parity on fatal infant accidents. Wicklund K, et al. **Am J Public Health** 1984 Oct;74(10):1150–2

Accidental infusion of total parenteral nutrition solution through an epidural catheter [letter] Patel PC, et al. **Anaesthesia** 1984 Apr;39(4):383–4

Accidental death in Australian children. O'Connor PJ. **Aust Paediatr J** 1983 Dec;19(4):230–2

The univariate generalized Waring distribution in relation to accident theory: proneness, spells or contagion? Xekalaki E. **Biometrics** 1983 Dec;39(4):887–95

Mea culpa? A study of the relationships among personality traits, life-events and ascribed accident causation. Foreman EI, et al. **Br J Clin Psycho'** 1983 Sep;22 (Pt 3):223–4

Monthly variation of suicidal and accidental poisoning deaths [letter] Lester D. **Br J Psychiatry** 1983 Aug;143:204–5

Psychotropic drugs and accidents in a general practice. Binnie GA. **Br Med J [Clin Res]** 1983 Nov 5; 287(6402):1349–50

Conflagration of children in cars. Gill DG. **Br Med J [Clin Res]** 1984 Mar 31;288(6422):973

Accidental poisoning in childhood: five year urban population study with 15 year analysis of fatality. Pearn J, et al. **Br Med J [Clin Res]** 1984 Jan 7;288(6410):44–6

Symposium on the health aspects of nuclear power plant incidents. The Subcommittee on Environmental Health, Committee on Public Health of the New York Academy of Medicine. **Bull NY Acad Med** 1983 Dec;59(10):863–1152

Symposium on the health aspects of nuclear power plant incidents. Introduction. Axelrod D. **Bull NY Acad Med** 1983 Dec;59(10):865–8

Physiological basis for the use of potassium iodide as a thyroid blocking agent logistic issues in its distribution. Becker DV. **Bull NY Acad Med** 1983 Dec;59(10):1003–8

The scope of Nuclear Regulatory Commission requirements for arrangements for medical services for contaminated injured individuals. Bores RJ. **Bull NY Acad Med** 1983 Dec;59(10):956–61

Health aspects of nuclear power plant incidents: role of the health department. Curran AS. **Bull NY Acad Med** 1983 Dec;59(10):988–93

Psychological implications of nuclear accidents: the case of Three Mile Island. Dohrenwend BP. **Bull NY Acad Med** 1983 Dec;59(10):1060–76

Public information during a nuclear power plant accident: lessons learned from Three Mile Island. Lester MS. **Bull NY Acad Med** 1983 Dec;59(10):1080–6

Nuclear power plant malfunctions: potential types of exposure and severity. Lewis HW. **Bull NY Acad Med** 1983 Dec;59(10):898–903

Symposium on the health aspects of nuclear power plant incidents. Planning for protection and treatment: the State role. Matuszek JM Jr. **Bull NY Acad Med** 1983 Dec; 59(10):962–78

Health care lessons learned from the Three Mile Island incident. Muller HA. **Bull NY Acad Med** 1983 Dec; 59(10):994–7

Comments on potential nuclear accidents. Rasmussen NC. **Bull NY Acad Med** 1983 Dec;59(10):904–6

Transport of irradiated or radioactively contaminated patients to the hospital. Ricks RC. **Bull NY Acad Med** 1983 Dec;59(10):1108–18

Symposium on the health aspects of nuclear power plant incidents. Regional organization of medical care. Saenger EL. **Bull NY Acad Med** 1983 Dec;59(10):1095–107

The role of federal and state agencies in radiation accidents:

a brief overview. Shleien B. **Bull NY Acad Med** 1983 Dec; 59(10):947–55
Recommendations on the use of potassium iodide as a thyroid-blocking agent in radiation accidents: an FDA update. Shleien B, et al. **Bull NY Acad Med** 1983 Dec; 59(10):1009–19
Some aspects of emergency planning for nuclear reactor accidents by New York City. Solon LR. **Bull NY Acad Med** 1983 Dec;59(10):981–7
Burns caused by faulty water-heating systems (Waterloo scalds). Baruchin AM, et al. **Burns Incl Therm Inj** 1984 Feb;10(3):207–9
The McMaster School Injury Study. 1: Overview of methods. Woodward CA, et al. **Can J Public Health** 1983 Jul–Aug;74(4):276–80
Catastrophic events: reaction of preschool age children and their families. Rosenthal PA. **Child Psychiatry Hum Dev** 1983 Winter;14(2):106–16
Inadequacies of the ICD E code [letter] Cryer C, et al. **Community Med** 1984 May;6(2):163–4
Accidents and handicap. Jackson RH. **Dev Med Child Neurol** 1983 Oct;25(5):656–9 (29 ref.)
Deaths during recreational activity. Copeland AR. **Forensic Sci Int** 1984 Jun;25(2):117–22
Falls in the elderly: a clinical perspective. Rubenstein LZ, et al. **Geriatrics** 1984 Apr;39(4):67–71, 75–6, 78
Nuclear reactor accidents—the use of KI as a blocking agent against radioiodine uptake in the thyroid—a review. Crocker DG. **Health Phys** 1984 Jun;46(6):1265–79 (40 ref.)
A study of medico-legal deaths in a rural area of Pondicherry (South India). Ramachandran V. **Indian J Public Health** 1982 Oct–Dec;26(4):229–33
Traumatic ventricular septal defect: a case report. Allum WH. **Injury** 1984 Jul;16(1):21–2
Domiciliary physiotherapy for old people who have fallen. Obonyo T, et al. **Int Rehabil Med** 1983;5(4):157–60
Childhood non-fatal domestic accidents. McDermott E, et al. **Ir Med J** 1984 Jun;77(6):177–9
Unintentional injuries among adolescents and young adults: a review and analysis. Halperin SF, et al. **J Adolesc Health Care** 1983 Dec;4(4):275–81
The drop attack: a common geriatric symptom. Lipsitz LA. **J Am Geriatr Soc** 1983 Oct;31(10):617–20
Pre-accident medication and alcohol in burn and other accident victims. White AC. **J Clin Hosp Pharm** 1983 Sep; 8(3):301–3
Emotional, behavioral, and physiological effects of chronic stress at Three Mile Island. Baum A, et al. **J Consult Clin Psychol** 1983 Aug;51(4):565–72
An unusual autoerotic death: asphyxia with an abdominal ligature. Thibault R, et al. **J Forensic Sci** 1984 Apr; 29(2):679–84
The psychological impact of the Three Mile Island incident. Cleary PD, et al. **J Human Stress** 1984 Spring;10(1):28–34
Railyard amputations in children. Thompson GH, et al. **J Pediatr Orthop** 1983 Sep;3(4):443–8
Problems of instability in old age. Sim J. **J R Soc Health** 1984 Aug;104(4):144–6
The use of iodine as a thyroidal blocking agent in the event of a reactor accident. Report of the Environmental Hazards Committee of the American Thyroid Association. Becker DV, et al. **JAMA** 1984 Aug 3;252(5):659–61
Elucidation of psychological factors in compensable injury. Goldney RD. **Med J Aust** 1984 Sep 29;141(7):433–6
Falls from high bridges [letter] Lane JC. **Med J Aust** 1983 Oct 15;2(8):367
Pre-accident spondylosis [letter] McKellar CC. **Med J Aust** 1984 Feb 18;140(4):246
Accidental electrocution. **Med Leg Bull** 1983 Sep–Oct; 32(5):1–6
Serum vs breath alcohol levels and accidental injury: analysis among US Army personnel in an emergency room setting. James JJ, et al. **Milit Med** 1984 Jul;149(7):369–74
Peacetime automatic weapon-related eye injuries: case reports. Tarabishy R. **Milit Med** 1983 Nov;148(11):874–7
Osler's baby on the tracks. Key JD. **Minn Med** 1983 Aug; 66(8):515
Injuries at a water slide—Washington. **MMWR** 1984 Jul 13; 33(27):379–82, 387
Alpine slide anaphylaxis. Spitalny KC, et al. **N Engl J Med** 1984 Apr 19;310(16):1034–7
Strict liability in a morass [news] **Nature** 1984 Aug 16–22; 310(5978):527
Accident Compensation Corporation ongoing patient survey. Brown JW. **NZ Med J** 1984 Jul 25;97(760):493
The exposure of pre-school children to water hazards and the incidence of potential drowning accidents. Geddis DC. **NZ Med J** 1984 Apr 11;97(753):223–6
Why accidents happen. Holroyd HJ. **Pediatr Ann** 1983 Oct; 12(10):722–4
Accidental hypothermia. Paton BC. **Pharmacol Ther** 1983; 22(3):331–77 (146 ref.)
Trait anxiety, perception of potential nuclear hazard, and state anxiety. de Man A, et al. **Psychol Rep** 1984 Jun; 54(3):791–4
Biorhythmic patterns of victims of mountain climbing accidents. Ellis SR, et al. **Psychol Rep** 1983 Oct;53(2):612–4
Juarez: an unprecedented radiation accident [news] Marshall E. **Science** 1984 Mar 16;223(4641):1152–4
Accident death toll in 1982. **Stat Bull Metrop Life Found** 1983 Jan–Jun;64(1):10–12
Visual field defects in medico-legal cases. Gale D. **Trans Ophthalmol Soc UK** 1983;103 (Pt 3):347–50
Precautions against nuclear accident or attack [letter] Rutter G. **Vet Rec** 1984 Feb 4;114(5):128
Accident and fall prevention in the elderly. Duthie EH, et al. **Wis Med J** 1983 Sep;82(9):23–5
[Fatal injuries in the aged] Tesař J, et al. **Cas Lek Cesk** 1984 Jan 13;123(2):36–9 (Eng. Abstr.) (Cze)
[Lightning accidents] Tveteräs K, et al. **Tidsskr Nor Laegeforen** 1984 Aug 10;104(22):1413–4 (Eng. Abstr.) (Dan)
[Accidents due to violence in Arhus over a period of a year. IV. Injuries caused by violence] Grymer F, et al. **Ugeskr Laeger** 1984 Feb 20;146(8):613–6 (Eng. Abstr.) (Dan)
[Eye injuries from accidents with elastic luggage straps] Jensen H. **Ugeskr Laeger** 1983 Aug 1;145(31):2353–5 (Eng. Abstr.) (Dan)
[Accidents in children. Epidemiologic studies of a rural and an urban area] Davidson F, et al. **Arch Fr Pediatr** 1984 Jan;41(1):67–72 (Eng. Abstr.) (Fre)
[Delirium tremens in accident surgery] Hofmann-von Bandel J. **Aktuel Traumatol** 1983 Dec;13(6):250–2 (Eng. Abstr.) (Ger)
[Significance of fatal accidents in 0- to 25-year-old persons] Franke KP, et al. **Arztl Jugendkd** 1984 Apr;75(2):112–9 (Eng. Abstr.) (Ger)
[Pattern of injury following falls from great heights] Willenberg E, et al. **Beitr Orthop Traumatol** 1984 Mar; 31(3):108–13 (Eng. Abstr.) (Ger)
[Do collapsable infant carriages promote postural disorders and accidents in children] Deisler P, et al. **Fortschr Med** 1983 Nov 17;101(43):1980–1 (Eng. Abstr.) (Ger)
[Accidents in childhood and adolescence (epidemiologic, clinical and preventive aspects). 1. Social aspects—traffic and home accidents—sport and leisure time accidents—burns and scalds—foreign body aspiration and ingestion] Lorenz K. **Kinderarztl Prax** 1983 May; 51(5):199–203 (Eng. Abstr.) (Ger)
[Epidemiology of accidents in childhood] Christen HJ, et al. **Monatsschr Kinderheilkd** 1984 Jun;132(6):331–9 (Ger)
[Childhood accidents in play and sports] Klimt F. **Monatsschr Kinderheilkd** 1984 Jun;132(6):341–4 (Ger)
[Principles of first aid to severely injured persons at the scene of the accident] Kunze K. **Unfallchirurgie** 1984 Apr; 10(2):91–5 (Eng. Abstr.) (Ger)
[Fatal accidents in the middle-aged] Casper W. **Z Arztl Fortbild (Jena)** 1984;78(3):97–100 (Ger)
[Epidemiology of accidents in East Germany] Casper W, et al. **Zentralbl Chir** 1983;108(17):1076–85 (Eng. Abstr.) (Ger)
[Mass accident and catastrophe medicine] Hell K, et al. **Zentralbl Chir** 1984;109(9):592–601 (Eng. Abstr.) (Ger)
[Reports on medico-legal data from the mass-investigation performed by the Medico-Legal Society of Japan (VIII). Analysis on autopsy cases by falling. Investigation Committee of the Medico-Legal Society of Japan] **Nippon Hoigaku Zasshi** 1984 Feb;38(1):13–23 (Eng. Abstr.) (Jpn)
[Accidents in a region of Norway during a single year] Lund J. **Tidsskr Nor Laegeforen** 1983 Aug 20;103(23):1620–3 (Eng. Abstr.) (Nor)
[Toxicologic aspect of environmental contamination caused by accidents] de Fernicola NA. **Bol Of Sanit Panam** 1983 Oct;95(4):352–60 (Eng. Abstr.) (Spa)

ECONOMICS

[Clinical aspects and compensation for pathological mourning after sudden death in the surviving spouse or parents] Pouliquen A, et al. **Ann Med Psychol (Paris)** 1983 Nov; 141(9):1011–22 (Fre)

ACCIDENTS, AVIATION

Water survival: 20 years Canadian Forces aircrew experience. Brooks CJ, et al. **Aviat Space Environ Med** 1984 Jan;55(1):41–51
Fatal gliding accidents in the United Kingdom: 1960–1980. Cooke JN, et al. **Aviat Space Environ Med** 1983 Nov; 54(11):1028–30
Applications of gas chromatographic head space analysis to aviation accident toxicology. Mayes RW. **Aviat Space Environ Med** 1984 Jan;55(1):62–4
Ultralight aircraft safety and regulation. Moseley HS. **Aviat Space Environ Med** 1983 Oct;54(10):944–8
After the fire-ball. Popplow JR. **Aviat Space Environ Med** 1984 Apr;55(4):337–8
Diurnal rhythmicity and Air Force flight accidents due to pilot error. Ribak J, et al. **Aviat Space Environ Med** 1983 Dec;54(12 Pt 1):1096–9
Head and neck injuries in Canadian Forces ejections. Rowe KW, et al. **Aviat Space Environ Med** 1984 Apr;55(4):313–5
Non-ejection cervical spine fracture due to defensive aerial combat maneuvering in an RF-4C: a case report. Schall DG. **Aviat Space Environ Med** 1983 Dec;54(12 Pt 1):1111–6
Spinal injury in a U.S. Army light observation helicopter. Shanahan DF, et al. **Aviat Space Environ Med** 1984 Jan; 55(1):32–40
Pilot-induced factors in fatal light aircraft accidents in the United Kingdom: 1969–1981. Underwood Ground KE. **Aviat Space Environ Med** 1984 Jan;55(1):52–8
Comparative analysis of social, demographic, and flight-related attributes between accident and nonaccident general aviation pilots. Urban RF. **Aviat Space Environ Med** 1984 Apr;55(4):308–12
Sleep loss and the crash of Flight 182. Price WJ, et al. **J Hum Ergol (Tokyo)** 1982;11 Suppl:291–301
Federal board seeks to reduce toll from general aviation accidents [news] Gunby P. **JAMA** 1984 Mar 16; 251(11):1396
[Injuries of the spinal column in accidents involving small private air planes] Hiemer W, et al. **Unfallheilkunde** 1984 Apr;87(4):176–9 (Eng. Abstr.) (Ger)
[Establishment of the posture and working actions of pilots in air crashes] Kliuev AV, et al. **Sud Med Ekspert** 1983 Jul–Sep;26(3):11–2 (Eng. Abstr.) (Rus)
[Classification of aviation trauma] Sveshnikov VA, et al. **Sud Med Ekspert** 1983 Oct–Dec;26(4):41–3 (Rus)

PREVENTION & CONTROL

Reduction of military high-altitude parachute entanglement using the controlled alternating parachute exit system. Hadley AT 3d, et al. **Aviat Space Environ Med** 1984 Jan; 55(1):65–8
Pilot disorientation and the use of a peripheral vision display. The 1983 Annual Harry G. Armstrong Lecture. Malcolm R. **Aviat Space Environ Med** 1984 Mar;55(3): 231–8
Aviation accident risk and aircrew licensing. Bennett G. **Eur Heart J** 1984 Mar;5 Suppl A:9–13 (14 ref.)
Any alcohol involvement 'unacceptable' in aviation [news] Gunby P. **JAMA** 1984 Oct 12;252(14):1835–7

ACCIDENTS, HOME

Acute poisonings of children in Oslo. A one year prospective study. Jacobsen D, et al. **Acta Paediatr Scand** 1983 Jul; 72(4):553–7
Pressure induced rhabdomyolysis complicating an undiscovered fall. Ratcliffe PJ, et al. **Age Ageing** 1983 Aug; 12(3):245–8
Ophthalmic hazards [letter] Eiferman RA. **Am J Ophthalmol** 1984 Apr;97(4):527
Cerebral cortical injury with a lawn dart [letter] Amoury RA. **Ann Emerg Med** 1984 Jun;13(6):484–6
Multiple projectile injuries secondary to motorized lawn edger use. Bailey P. **Ann Emerg Med** 1984 May; 13(5):378–80
Falls in older age [editorial] Livesley B. **Br Med J [Clin Res]** 1984 Sep 8;289(6445):568–9
Falls among elderly hypertensives—are they iatrogenic? Stegman MR. **Gerontology** 1983;29(6):399–406
Epidemiology of accidental home poisoning in Riyadh (Saudi Arabia). Mahdi AH, et al. **J Epidemiol Community Health** 1983 Dec;37(4):291–5
Domestic metallic mercury poisoning. McNeil NI, et al. **Lancet** 1984 Feb 4;1(8371):269–71
Upper extremity burns from woodstoves. Yanofsky NN, et al. **Pediatrics** 1984 May;73(5):722–6
Accidental burns with domestic fire-lighting fluid. Jurell G, et al. **Scand J Plast Reconstr Surg** 1984;18(1):155–6
Case of the month: inhalation episode following the well cleaning incident [letter] Kalin L. **Vet Hum Toxicol** 1984 Aug;26(4):341–2
[Accidents caused by gas water heaters. Fatalities and a non-fatal case] Thomsen JL, et al. **Ugeskr Laeger** 1983 Nov 14;145(46):3598–600 (Eng. Abstr.) (Dan)
[Injuries in children due to accidents in the home] Klasen HJ. **Ned Tijdschr Geneeskd** 1983 Nov 19;127(47):2124–6 (Eng. Abstr.) (Dut)
[Sequelae of home accidents in the aged] Klasen HJ. **Tijdschr Gerontol Geriatr** 1983 Oct;14(5):195–7 (Eng. Abstr.) (Dut)
[The household dangerous for children] Gädeke R. **Monatsschr Kinderheilkd** 1984 Jun;132(6):344–7 (Ger)
[Injuries caused by accidents with chain saws] Bonte W, et al. **Z Rechtsmed** 1984;92(3):215–23 (Eng. Abstr.) (Ger)
[Accidents in a region of Norway during a single year] Lund J. **Tidsskr Nor Laegeforen** 1983 Aug 20;103(23):1620–3 (Eng. Abstr.) (Nor)
[Isolated injury of the cervical spinal cord without damage to the spine] Ruban GE, et al. **Sud Med Ekspert** 1983 Oct–Dec;26(4):54 (Rus)

PREVENTION & CONTROL

Childhood household safety. An overview. Dershewitz RA, et al. **Am J Dis Child** 1984 Jan;138(1):85–8 (19 ref.)
Intraocular foreign body from a nylon line grass trimmer. Lambert HM, et al. **Ann Ophthalmol** 1983 Oct;15(10):936–7
An assessment form for falls. Tideiksaar R. **J Am Geriatr Soc** 1984 Jul;32(7):538–9
Home safety: development and validation of one component of an ecobehavioral treatment program for abused and neglected children. Tertinger DA, et al. **J Appl Behav Anal** 1984 Summer;17(2):159–74
Ten years of experience with falls from a height in children. Barlow B, et al. **J Pediatr Surg** 1983 Aug;18(4):509–11
Burns and scalds. Othersen HB. **Pediatr Ann** 1983 Oct; 12(10):753, 756–7, 760
Occasional but serious accidents. Widome MD. **Pediatr Ann** 1983 Oct;12(10):761–2, 764, 766 passim
Floor furnace burns [letter] Grossman ER. **Pediatrics** 1984 Apr;73(4):568–9
Does health education prevent childhood accidents?

Minchom PE, et al. **Postgrad Med J** 1984 Apr; 60(702):260–2

Electric oral burns in Danish children with special reference to prevention. Fogh-Andersen P, et al. **Scand J Plast Reconstr Surg** 1984;18(1):107–10

[Prevention of home accidents of infants and small children] Wirth I, et al. **Kinderarztl Prax** 1984 Feb;52(2):93–8 (Eng. Abstr.) **(Ger)**

[Prevention of nonindustrial injuries] Trofimov NP, et al. **Ortop Travmatol Protez** 1984 Jan;(1):62–4 **(Rus)**

ACCIDENTS, INDUSTRIAL see **ACCIDENTS, OCCUPATIONAL**

ACCIDENTS, OCCUPATIONAL

Occupational eye injuries in Finland. Saari KM, et al. **Acta Ophthalmol [Suppl] (Copenh)** 1984;161:17–28

Eye injuries in agriculture. Saari KM, et al. **Acta Ophthalmol [Suppl] (Copenh)** 1984;161:42–51

Toxicologic effects on the eyes at work. Teir H. **Acta Ophthalmol [Suppl] (Copenh)** 1984;161:60–5

Aerosols generated by accidents: pressurized liquid release experiments. Sutter SL, et al. **Am Ind Hyg Assoc J** 1984 Apr;45(4):227–30

Error: percent in 'underreporting of needlestick injuries' was 'underreported' [letter] Hamory BH. **Am J Infect Control** 1984 Feb;12(1):68

Underreporting of needlestick injuries in a university hospital. Hamory BH. **Am J Infect Control** 1983 Oct;11(5):174–7

Chromosome analysis from peripheral blood lymphocytes of workers after an acute exposure to benzene. Clare MG, et al. **Br J Ind Med** 1984 May;41(2):249–53

Methylene chloride burns. Wells GG, et al. **Br J Ind Med** 1984 Aug;41(3):420

A review of radiation accidents involving whole body exposure and the relevance to the LD50/60 for man. Baverstock KF, et al. **Br J Radiol** 1983 Nov;56(671):837–44

Appendix: a re-evaluation of the dosimetry for the accidents at Y12 and Vinca. Baverstock KF. **Br J Radiol** 1983 Nov; 56(671):844–9

Accidental environmental pollution of a residential quarter of Kortrijk by a chromic trioxide aerosol. Beernaert H, et al. **Bull Environ Contam Toxicol** 1984 Aug;33(2):163–8

Fatal pulmonary aspergillosis following a farm accident *[letter] **Chest** 1984 Mar;85(3):448–9*

Gastrointestinal bleeding from an unusual etiology. Demonstration by Tc-99m RBC scintigraphy. Schneider M, et al. **Clin Nucl Med** *1984 Apr;9(4):243*

Penetrating anorectal injury. An unrecognized hazard for surgeons. Dennison AR, et al. **Dis Colon Rectum** 1984 Sep; *27(9):624–5*

The importance of medico-legal autopsies. An analysis of the complex problems regarding damages. Asnaes S. ***Forensic Sci Int** 1983 Nov–Dec;23(2–3):123–7*

1976 Hanford americium exposure incident. **Health Phys** 1983 Oct;45(4):837–947

1976 Hanford americium exposure incident: decontamination and treatment facility. Berry JR, et al. **Health Phys** 1983 Oct;45(4):883–92

1976 Hanford americium exposure incident: medical management and chelation therapy. Breitenstein BD. **Health Phys** 1983 Oct;45(4):855–66

1976 Hanford americium exposure incident: psychological aspects. Brown WR. ***Health Phys** 1983 Oct;45(4):867–71*

1976 Hanford americium exposure incident: histologic and autoradiographic observations on skin. Hampton JC. ***Health Phys** 1983 Oct;45(4):933–5*

1976 Hanford americium exposure incident: external decontamination procedures. Jech JJ, et al. **Health Phys** *1983 Oct;45(4):873–81*

1976 Hanford americium exposure incident: urinary excretion of trace metals during DTPA treatments. Kalkwarf DR, *et al. **Health Phys** 1983 Oct;45(4):937–47*

Characterization of an aerosol sample from the auxiliary building of the Three Mile Island reactor. Kanapilly GM, *et al. **Health Phys** 1983 Nov;45(5):981–9*

1976 Hanford americium exposure incident: accident description. McMurray BJ. **Health Phys** 1983 Oct; 45(4):847–53

Estimation of accidental gamma dose by means of thermoluminescence from watch jewels. Majborn B. **Health Phys** 1984 Apr;46(4):917–9

1976 Hanford americium exposure incident: in vivo measurements. Palmer HE, et al. **Health Phys** 1983 Oct; 45(4):893–910

1976 Hanford americium exposure incident: hematologic effects. Ragan HA, et al. **Health Phys** 1983 Oct; 45(4):923–32

1976 Hanford americium exposure incident: organ burden and radiation dose estimates. Robinson B, et al. **Health Phys** 1983 Oct;45(4):911–21

The assessment of human exposure to radionuclides from a uranium mill tailings release and mine dewatering effluent. Ruttenber AJ Jr, et al. **Health Phys** 1984 Jul;47(1):21–35

Dosimetry by ESR spectroscopy following a radiation accident. Sagstuen E, et al. **Health Phys** 1983 Nov; 45(5):961–8

1976 Hanford americium exposure incident: overview and perspective. Thompson RC. **Health Phys** 1983 Oct; 45(4):837–45

Analysis of a case of internal contamination with 242Cm. Vaane JP, et al. **Health Phys** 1971 Dec;21(6):821–6

Crush syndrome in a Cornish tin miner. Jones RN. **Injury** 1984 Jan;15(4):282–3

Health risks related to shift work. An example of time-contingent effects of long-term stress. Koller M. **Int Arch Occup Environ Health** 1983;53(1):59–75

Occupational accidents and alcohol. Lings S, et al. **Int Arch Occup Environ Health** 1984;53(4):321–9

The effects of the social relations of production on productivity and workers' safety: an ignored set of relationships. Grunberg L. **Int J Health Serv** 1983; 13(4):621–34

Epididymitis in the workplace. Baumgarten H. **J Fla Med Assoc** 1984 Jan;71(1):21–2

A new high-pressure injection injury of the hand. Craig EV. **J Hand Surg [Am]** 1984 Mar;9(2):240–2

Hand injuries at work. Absoud EM, et al. **J Hand Surg [Br]** 1984 Jun;9(2):211–5

Foreign bodies in the hand. Morgan WJ, et al. **J Hand Surg [Br]** 1984 Jun;9(2):194–6

Shift work and coalmine accidents in Korea. Lee SH, et al. **J Hum Ergol (Tokyo)** 1982;11 Suppl:87–92

Health effects of silicon tetrachloride. Report of an urban accident. Kizer KW, et al. **J Occup Med** 1984 Jan; 26(1):33–6

Treatment of severe hydrofluoric acid exposures. Treviño MA, et al. **J Occup Med** 1983 Dec;25(12):861–3

Medical aspects of the North Sea oil industry. Harries MG. **J R Soc Med** 1983 Sep;76(9):793–5

Psychological and sociological aspects of industrial injury. Tuck M. **J Rehabil** 1983 Jul–Sep;49(3):20–5

Rehabilitation after illness and injury—a study of temporary alternative work arrangements. Deacon SP, et al. **J Soc Occup Med** 1984 May;34(2):46–9

Hay baler trauma to the upper extremity: a roller injury. Gainor BJ. **J Trauma** 1983 Dec;23(12):1069–71

Leads from the MMWR. Leading work-related diseases and injuries—United States. **JAMA** 1984 May 18; 251(19):2503–4

Leads from the MMWR. Farm-tractor associated deaths—Georgia. **JAMA** 1983 Oct 14;250(14):1817

Leads from the MMWR. Occupational finger injuries—United States. **JAMA** 1983 Dec 9;250(22):3029

Leads from the MMWR. Electrocution of a truck driver—West Virginia. **JAMA** 1984 Feb 10;251(6):703

Butchers and their femoral arteries [letter] Sherlock DJ, et al. **Lancet** 1983 Nov 19;2(8360):1197

Cold abscess after accidental BCG inoculation [letter] Warren JP, et al. **Lancet** 1984 Aug 4;2(8397):289

Butchers and their femoral arteries [letter] Yarrow H. **Lancet** 1983 Dec 17;2(8364):1421

*Industrial nail gun injuries [letter] **Med J Aust** 1984 Mar 3; 140(5):305*

Industrial nail gun injuries. Lyons FR. **Med J Aust** 1983 Nov *12;2(10):483–7*

Leading work-related diseases and injuries—United States. **MMWR** 1984 Apr 27;33(16):213–5

Occupational finger injuries—United States, 1982. **MMWR** 1983 Nov 18;32(45):589–91

Electrocution of a truck driver—West Virginia. **MMWR** *1984 Jan 20;33(2):14–5*

Surveillance of occupational injuries treated in hospital emergency rooms—United States, 1982. Coleman PJ, et al. ***MMWR Surveill Summ** 1983 May;32(2):31SS–37SS*

Occupational injuries and deaths among loggers, United States. Frazier TM, et al. **MMWR Surveill Summ** 1983 Aug; 32(3):31SS–6SS

Lost-time work accidents in an industry. Chew CK. **NZ Med J** 1984 Aug 22;97(762):564–7

Grease gun injuries [letter] Gray W. **NZ Med J** 1984 Feb *8;97(749):89–90*

Capitol Hill's growing concern: injury compensation legislation. Goerth CR. **Occup Health Saf** 1984 Jan;:27–8

Initial care of burn victim often a matter of life or death. Gordon M. **Occup Health Saf** 1984 Jan;:34–7

Avoid litigation through cooperation. Lichty ME. ***Occup Health Saf** 1983 Sep;52(9):42–7*

Eye protections for welders need right lens shade, hardness. Newcomb BC. **Occup Health Saf** 1984 Feb;:34, 36

High cost paid by industry for preventable eye injuries. Thackray J. **Occup Health Saf** 1984 Feb;:31–3

Eyewashes & showers: ensuring effectiveness. Weaver LA *3d. **Occup Health Saf** 1983 Aug;52(8):13–6, 18–9*

Giant retinal tear from chain-saw injury [letter] Bovino JA, et al. **Ophthalmic Surg** 1984 Jun;15(6):534–5

The consequences to the injured of occupational accidents. A follow-up study of an emergency department material. Lings S, et al. **Scand J Soc Med** 1984;12(1):25–9

*NIOSH injury surveillance system. Key MM. **Tex Med** 1983* Sep;79(9):58–9

Methyltin intoxication in six men; toxicologic and clinical aspects. Rey C, et al. **Vet Hum Toxicol** *1984 Apr; 26(2):121–2*

Compensation and recovery from injury. Beals RK. **West J Med** 1984 Feb;140(2):233–7

[Serious injury of the thorax with a circular saw] Rosípal A, et al. **Rozhl Chir** 1983 Sep;62(8–9):628–31 (Eng. Abstr.) **(Cze)**

[Occupational accidents in iron foundries. II. Sick-leave and notifications] Hansen KS. **Ugeskr Laeger** 1983 Aug 1; 145(31):2399–401 (Eng. Abstr.) **(Dan)**

[Occupational accidents in iron foundries. I. A historical prospective study] Hansen KS. **Ugeskr Laeger** 1983 Aug 1;145(31):2395–8 (Eng. Abstr.) **(Dan)**

[Meeting of the Work Group on Rescue Arrangements, Mine Fires and Underground Combustions. Hasselt, 10–12 October 1982] **Rev Inst Hyg Mines (Hasselt)** 1983; 38(2):107–79 **(Dut)**

[Accident on an oil-drilling platform at sea 6000 km from France: anesthesia and resuscitation of 23 seriously burned persons during air transport] Cara M, et al. **Bull Acad Natl Med (Paris)** 1983 May;167(5):445–50 (Eng. Abstr.) **(Fre)**

[Silo accidents (apropos of the catastrophic accident in Metz)] Larcan A, et al. **Bull Acad Natl Med (Paris)** 1983 Jun; 167(6):579–88 (Eng. Abstr.) **(Fre)**

[Critical study of the new measuring scale for work accidents (news)] Melennec L. **Presse Med** 1983 Oct 22; 12(37):2291–2, 2294 **(Fre)**

[Collective acute poisoning by nitrous gases] Touze MD, et al. **Toxicol Eur Res** 1983 Sep;5(5):220–4 (Eng. Abstr.) **(Fre)**

[Injuries of tendons and menisci in the expert testimony of statutory accident insurance] Ludolph E, et al. **Aktuel Traumatol** 1983 Oct;13(5):210–3 (Eng. Abstr.) **(Ger)**

[Fatal occupational accidents in Berlin (West) from a forensic medicine viewpoint] Bratzke H, et al. **Beitr Gerichtl Med** 1983;41:255–62 (Eng. Abstr.) **(Ger)**

[Pressure hose injuries in the Aachen coal area] Kesternich HG, et al. **Fortschr Ophthalmol** 1984;81(1):83–4 (Eng. Abstr.) **(Ger)**

[Replantation at the distal finger joint. Indication, technic, result, failure, case reports, alternatives] Wolfensberger C, et al. **Handchir Mikrochir Plast Chir** 1984 Mar;16(1):23–7 (Eng. Abstr.) **(Ger)**

[Eye injuries in a large chemical factory] Froböse M, et al. **Klin Monatsbl Augenheilkd** 1984 Feb;184(2):89–93 (Eng. Abstr.) **(Ger)**

[A reference system for disease statistics] Scholz RD, et al. ***Z Arztl Fortbild (Jena)** 1984;78(2):73–4* **(Ger)**

[The role of occupational therapy in vocational rehabilitation of construction workers injured in accidents] Wolf M, et al. ***Z Gesamte Hyg** 1983 Aug;29(8):484–5 (Eng. Abstr.)* **(Ger)**

[Injuries caused by accidents with chain saws] Bonte W, et al. ***Z Rechtsmed** 1984;92(3):215–23 (Eng. Abstr.)* **(Ger)**

[Industrial accidents involving 50 year-old and older workers in a metal industry plant] Erban V. ***Z Unfallchir Versicherungsmed Berufskr** 1983;76(4):195–204* **(Ger)**

[Injury caused by a separating grinding disk] Hünicke H, et al. ***Zentralbl Chir** 1983;108(24):1609–11* **(Ger)**

[The severity rate of accidents in a mechanical plant] Petronio F. **G Ital Med Lav** 1983 Jan;5(1):25–9 (Eng. Abstr.) **(Ita)**

[8 cases of injury caused by power hoes with vascular involvement] La Rosa M, et al. **Minerva Cardioangiol** 1984 Jan–Feb;32(1–2):9–13 (Eng. Abstr.) ***(Ita)***

[An industrial accidental death due to Freon 113 poisoning. Toxicological analysis of its cause of death] Yonemitsu K, et al. **Nippon Hoigaku Zasshi** 1983 Aug;37(4):428–33 (Eng. *Abstr.)* **(Jpn)**

[Epidemiological study of fatal occupational accidents in Greater São Paulo from 1979 to 1982] Olivan Filho A, *et al. **Rev Paul Med** 1984 Jan–Feb;102(1):38–43* (Eng. Abstr.) **(Por)**

[Mortality and occupational accidents in the electrical *industry] Koifman S, et al. **Rev Saude Publica** 1983 Apr;* 17(2):83–93 (Eng. Abstr.) **(Por)**

[Basis for a methodological approach to establishing the *emergency limits of exposure to chemical substances]* Eltingon AI, et al. **Gig Sanit** 1983 Aug;(8):87–8 (7 ref.) **(Rus)**

[Improvement in early emergency services to eye-injured miners as the 1st step in rehabilitation] Skripka VK, et al. **Oftalmol Zh** 1983;38(4):244–6 **(Rus)**

[Effect of advanced *operating methods on indices of* industrial injury among textile workers] Bukhmirova VN. **Ortop Travmatol Protez** 1984 Mar;(3):54–5 **(Rus)**

[Mistakes of the Occupational Medicine Expert Commission *in determining the degree of disability of patients and* invalids with sequelae of injuries and diseases of the musculoskeletal system] Tarasova TM, et al. ***Ortop Travmatol Protez** 1984 May;(5):35–8* (Eng. Abstr.) **(Rus)**

[Automated system for the analysis of injuries, morbidity and *work-time losses] Shuster LA, et al. **Sov Zdravookhr** 1983;* (8):20–4 **(Rus)**

[Remote results of the surgical treatment of subcutaneous *rupture of the Achilles tendon] Mironova ZS, et al.* **Vestn Khir** 1984 Mar;132(3):117–8 **(Rus)**

[Injuries of surgeons during conduction of local anesthesia] *Sozonik VP, et al. **Vestn Khir** 1984 Jan;132(1):140–1* **(Rus)**

[Accident rate in a general machine works factory from 1976 *to 1980] Gajdošík J, et al. **Cesk Zdrav** 1983 Dec;* 31(12):519–25 **(Slo)**

ECONOMICS

Delayed recovery in the patient with a work compensable injury. Derebery VJ, et al. **J Occup Med** 1983 Nov; *25(11):829–35*

Inappropriate therapy causes increased health problems,

costs. Kurt TL. **Occup Health Saf** 1984 Apr;53(4):57
Some public expenses in connection with occupational accidents. A follow-up study of an emergency department material. Lings S, et al. **Scand J Soc Med** 1983;11(3):113-7

PREVENTION & CONTROL

Practical principles of the prevention of occupational eye injuries. Lehtonen KE.
Acta Ophthalmol [Suppl] (Copenh) 1984;161:38-41
The role of an optician in the eye protection activities. Liukkonen I. **Acta Ophthalmol [Suppl] (Copenh)** 1984; 161:34-7
Oxygen deficiency hazards associated with liquefied gas systems: derivation of a program of controls. Miller TM, et al. **Am Ind Hyg Assoc J** 1984 May;45(5):293-8
Cost-effective occupational health and safety training. Samways MC. **Am Ind Hyg Assoc J** 1983 Oct;44(10):A6-9
An apparatus for safe and convenient handling of anhydrous, liquid hydrogen fluoride at controlled temperatures and reaction times. Application to the generation of oligosaccharides from polysaccharides. Mort AJ.
Carbohydr Res 1983 Oct 28;122(2):315-21
An inspection survey of working conditions in 61 firms using management retained form: a trial study. Mubisi AS, et al. **East Afr Med J** 1984 Feb;61(2):104-12
Changing local health and safety practices at work within the explosives industry. Kjellén U, et al. **Ergonomics** 1983 Sep;26(9):863-77
The determinants of social policy. A case study: regulating health and safety at the workplace in Sweden. Navarro V. **Int J Health Serv** 1983;13(4):517-61
Prevention of trauma: a cooperative effort. Blair SJ, et al. **J Hand Surg** 1983 Sep;8(5 Pt 2):649-54
The determinants of health policy, a case study: regulating safety and health at the workplace in Sweden. Navarro V. **J Health Polit Policy Law** 1984 Spring;9(1):137-65
Worker injuries: the effects of Workers' Compensation and OSHA inspections. Robertson LS, et al.
J Health Polit Policy Law 1983 Fall;8(3):581-97
The role of OSHA violations in serious workplace accidents. Mendeloff J. **J Occup Med** 1984 May;26(5):353-60
The NIOSH-suggested list of the ten leading work-related diseases and injuries [letter] Millar JD. **J Occup Med** 1984 May;26(5):340-1
Information seeking among safety and health managers. Beck KH, et al. **J Psychol** 1983 Sep;115(1st Half):23-31
Laboratory safety and post secondary education: a North American perspective. Fraser TM. **J R Soc Health** 1984 Jun;104(3):102-5
Farm machinery injuries. Simpson SG. **J Trauma** 1984 Feb; 24(2):150-2
Industrial injuries. Must they continue to happen? [editorial] Major G, et al. **Med J Aust** 1983 Nov 12;2(10):470
A method to reduce work-related injuries during basic recruit training in the New Zealand Army. *Stacy RJ, et al.* **Milit Med** 1984 Jun;149(6):318-20
NIOSH recommendations for occupational health standards. *MMWR 1983 Oct 7;32 Suppl 1:3S-24S*
Biologic safety. MMWR 1983 Dec 2;32(47):622-3
Nuclear safety: risky business of assessment [news] Budiansky S. *Nature 1984 Mar 1-7;308(5954):4*
Laser protective eyewear: determining the correct lens. Edmunds D. **Occup Health Saf** 1984 Jul-Aug;53(7):31-4
People who need to know seek colleagues' advice first. Feldman RH, et al. **Occup Health Saf** 1984 Jan;:61-3
Protection should fit worker, job. Johnson KE, et al.
Occup Health Saf 1983 Aug;52(8):38-43
Inspections, drills needed to prevent and deal with fires. Melton CM Jr, et al. **Occup Health Saf** 1984 Jan;:38, 42-3
Confined spaces: avoiding the hazards. Pettit TA.
Occup Health Saf 1983 Jul;52(7):17-9, 42-5
Awareness of people principles helps in motivating compliance. Ritzky GM. **Occup Health Saf** 1984 Jun;:46-8
Array of agencies regulate handling of hazardous materials. Rohrer KL. **Occup Health Saf** 1984 Jul-Aug;53(7):35-41, 43
Selecting protective clothing with six 'C's. Spain WH, et al. **Occup Health Saf** 1983 Sep;52(9):17-23
How management can get the most from safety surveys. *Spencer DC. Occup Health Saf 1984 Apr;53(4):51-2*
Hazard education must overcome generalities. Wheeler CP, et al. **Occup Health Saf** 1983 Sep;52(9):31-4
Ergonomics action: a direct response to the health and safety needs of the E.C.S.C. miner. Fox JG.
Rev Inst Hyg Mines (Hasselt) 1983;38(2):171-5
Some aspects of strategies and solutions in accident prevention. Häkkinen K. **Scand J Work Environ Health** 1983 Apr;9(2 Spec No):189-93
The protective influence of logger's safety equipment. Klen T, et al. **Scand J Work Environ Health** 1983 Apr;9(2 Spec No):201-3
Investigation of the after-reach hazard in two-hand controlled power press operations. Pizatella TJ, et al.
Scand J Work Environ Health 1983 Apr;9(2 Spec No):194-200
Methods of hazard analysis applied in the light metal industry. Saarela KL. **Scand J Work Environ Health** 1983 Apr;9(2 Spec No):136-9
Protection of the head and eyes in forestry work. Väyrynen ST. **Scand J Work Environ Health** 1983 Apr;9(2 Spec No):204-7
Deadlock over explosive dust [news] Marshall E. **Science** 1983 Nov 4;222(4623):485-7
Farm and ranch injuries in west Texas. Jackson FC.
Tex Med 1983 Sep;79(9):51-4
[Ergonomics and occupational safety] Marti B.
Soz Praventivmed 1984;29(1):10-2 (Eng. Abstr.) **(Ger)**
[Characteristics of industrial eye injuries among manganese miners and ways of reducing it] Posnyi VF.
Oftalmol Zh 1984;(2):119-20 **(Rus)**
[Effectiveness of efforts to reduce industrial eye injuries] Smelovskiĭ AS, et al. **Oftalmol Zh** 1983;38(6):379 **(Rus)**
[Prevention of injuries at the 'Andizhanneft" plant] Fedoseeva MA, et al. **Ortop Travmatol Protez** 1983 Nov; (11):62-3 **(Rus)**
[Use of breathing and overall fitness exercises among workers in the arc welding industry] Bil'kevich AL. **Vrach Delo** 1983 Oct;(10):85-6 (6 ref.) (Eng. Abstr.) **(Rus)**

ACCIDENTS, TRAFFIC

Injuries to car occupants--some aspects of the interior safety of cars. A study of a five-year material from an insurance company. Nygren A. **Acta Otolaryngol [Suppl] (Stockh)** 1984;395:1-164
Alcohol consumption among vehicular occupants injured in crashes. Soderstrom CA, et al. **Alcoholism (NY)** 1984 May-Jun;8(3):269-71
Variations in minimum licensing age and fatal motor vehicle crashes. Williams AF, et al. **Am J Public Health** 1983 Dec; 73(12):1401-3
Recall of surgery for major trauma. Bogetz MS, et al.
Anesthesiology 1984 Jul;61(1):6-9
The effects of vehicle mass, speed and safety belt wearing on the causes of death in road traffic accidents. Tolonen J, et al. **Ann Chir Gynaecol** 1984;73(1):14-20
Trauma mortality in Orange County: the effect of implementation of a regional trauma system. Cales RH. **Ann Emerg Med** 1984 Jan;13(1):1-10
Traumatic disruption of the brachiocephalic artery. Dula DJ, et al. **Ann Emerg Med** 1983 Oct;12(10):639-41
Intestinal evisceration resulting from a motor vehicle accident. Majernick TG, et al. **Ann Emerg Med** 1984 Aug; 13(8):633-5
Dying young in traffic. Sunderland R. **Arch Dis Child** 1984 Aug;59(8):754-7
Statistical points of note. **Aust Fam Physician** 1984 Apr; *13(4):238-9*
Bicycle accidents in childhood. Social and preventive aspects. Bouvier R. **Aust Fam Physician** 1984 Apr; *13(4):287-9*
Why pedal cyclists should wear safety helmets. McDermott FT. **Aust Fam Physician** 1984 Apr;13(4):284-5
Advice on the medicolegal aspects of attendance at road accidents. McVey IL. **Aust Fam Physician** 1984 Apr; 13(4):240-2
Pre hospital care of road accident victims. Pacy H.
Aust Fam Physician 1984 Apr;13(4):259-66
Management of traumatic pneumothorax. Shardey G.
Aust Fam Physician 1984 Apr;13(4):296-9
The scar goes deeper than the wound. Veitch C.
Aust Fam Physician 1984 Apr;13(4):305
Motor vehicle accident--multiple trauma. Walpole B.
Aust Fam Physician 1984 Apr;13(4):270-1
Roadside emergencies. A casualty director's view. Walpole BG. **Aust Fam Physician** 1984 Apr;13(4):249, 253
Role of the intensive care ambulance in the transport of accident victims. Compton J, et al. **Aust NZ J Surg** 1983 Oct;53(5):435-8
Bilateral eye injuries from motor vehicle trauma. Flaherty M, et al. **Aust NZ J Surg** 1983 Dec;53(6):567-72
Mania as a sequel to a road traffic accident [letter] Sinanan *K. Br J Psychiatry 1984 Mar;144:330-1*
Road blindness [letter] Blake J. **Br Med J [Clin Res]** 1983 Dec 3;287(6406):1718
Major disaster planning. Bliss AR. Br Med J [Clin Res] 1984 May 12;288(6428):1433-4
Bilateral vocal cord paralysis due to whiplash injury. *Helliwell M, et al. Br Med J [Clin Res] 1984 Jun 23;* 288(6434):1876-7
Effect of seat belt legislation on injuries in road traffic *accidents in Nottingham. Pye G, et al.*
Br Med J [Clin Res] 1984 Mar 10;288(6419):756-7
Detachment of crash helmets during motorcycle accidents. Richards PG. **Br Med J [Clin Res]** 1984 Mar 10; 288(6419):758
At the roadside: assessment of activities of a general practitioner accident service. Silverston PP.
Br Med J [Clin Res] 1984 Mar 3;288(6418):690-2
Motor vehicle accident fatality statistics: an investigation of reliability. Chipman ML. **Can J Public Health** 1983 *Nov-Dec;74(6):381-4*
Lap belt injuries [letter] Kuchtaruk A. **Can Med Assoc J** 1984 Feb 15;130(4):349-50
Monitoring accidents and seat belt legislation: HAA data and the use of E codes in England and Wales. Philipp R.
Community Med 1983 Aug;5(3):235-7
A speed and frequency substandard for tachograph calibration equipment. Russell JR, et al.
Forensic Sci Int 1984 Jan;24(1):81-6
Severe liver disease years after car crash. Mann JA, et al. **Hosp Pract [Off]** 1984 Jan;19(1):55-6, 61, 65
Study of fat embolism in road accident cases (an autopsy *study). Agrawal RV, et al. Indian J Pathol Microbiol 1983* Oct;26(4):305-9
Thoracic injuries in road traffic accidents: analysis of 148 cases. Adeyemo AO, et al. **Injury** 1984 Jul;16(1):30-4
Lower limb injuries in motorcycle accidents. Craig GR, et al. **Injury** 1983 Nov;15(3):163-6
Heel flap injuries in motorcycle accidents. Das De S, et al. **Injury** 1983 Sep;15(2):87-92
Initial assessment of the effect of the compulsory use of seat belts on car occupants' injuries, and the trauma department work-load. Freedman LS. **Injury** 1984 Jul;16(1):60-2
Rupture of the thoracic aorta and its relationship to road traffic accident characteristics. Newman RJ, et al.
Injury 1984 Mar;15(5):296-9
Chest wall injuries and the seat belt syndrome. Newman RJ. **Injury** 1984 Sep;16(2):110-3
Severe road traffic injuries in the third trimester of pregnancy. Oni OO, et al. **Injury** 1984 May;15(6):376-8
Attitudes and behavior of elderly pedestrians. Mathey FJ. **Int J Aging Hum Dev** 1983;17(1):25-8
Automobile accidents in Illinois veterinarians. Martin RJ, et al. **Int J Zoonoses** 1983 Dec;10(2):138-45
Admission to hospital for road trauma in patients with diabetes mellitus. de Klerk NH, et al.
J Epidemiol Community Health 1983 Sep;37(3):232-7
Discussion of 'The use of marihuana, ethanol, and other drugs among drivers killed in single vehicle crashes' [letter] *Green GS.* **J Forensic Sci** 1984 Jan;29(1):16
Fatal traffic accidents--legal assistance in chemical causation [letter] Sturner WQ. **J Forensic Sci** 1983 Oct;28(4):823
Hypoglycemia as the responsible factor in a truck driver accident fatality. Sturner WQ, et al. **J Forensic Sci** 1983 Oct;28(4):1016-20
Child passenger safety in Georgia. Weston W 3d, *et al.*
J Med Assoc Ga 1984 Jul;73(7):461-5
The trauma of pedestrians involved in road traffic accidents. Fukpolngam V, et al. **J Med Assoc Thai** 1983 Nov; 66(11):713-21
Motorcycle accidents: a study of 600 consecutive patients treated at Ramathibodi Hospital. Hanpadungdhama A, et al. **J Med Assoc Thai** 1983 Sep;66(9):519-29
Death of adult children in traffic accidents. Shanfield SB, et al. **J Nerv Ment Dis** 1984 Sep;172(9):533-8
Epidemiology of road traffic accidents in Zaria, Nigeria. Aganga AO, et al. **J R Soc Health** 1983 Aug;103(4):123-6
Epidemiology of motor vehicle accidents in a developing country--a case of Oyo State of Nigeria. Jinadu MK.
J R Soc Health 1984 Aug;104(4):153-6
Serious eye injury from windscreen contact. Keightley SJ. *J R Soc Med 1983 Nov;76(11):911-6*
Incidence of ocular injuries from road traffic accidents after introduction of seat belt legislation. Vernon SA, et al. *J R Soc Med 1984 Mar;77(3):198-200*
Moped accidents in South Carolina. McHugh TP, et al.
J SC Med Assoc 1983 Dec;79(12):675-8
The effect of advanced life support and sophisticated hospital systems on motor vehicle mortality. Alexander RH, et al.
J Trauma 1984 Jun;24(6):486-90
The influence of ethanol intoxication on outcome of injured motorcyclists. Luna GK, et al. **J Trauma** 1984 Aug; 24(8):695-700
Medical consequences of motorcycle helmet nonusage. McSwain NE Jr, et al. **J Trauma** 1984 Mar;24(3):233-6
A prospective study of 413 consecutive car occupants with *chest injuries. Newman RJ, et al.* **J Trauma** 1984 Feb; *24(2):129-35*
Severe thoracic and abdominal injuries associated with lap-harness seatbelts. Woelfel GF, et al. **J Trauma** 1984 Feb;24(2):166-7
Leads from the MMWR. Blood alcohol concentrations among young drivers--United States, 1982. **JAMA** 1984 *Jan 6;251(1):23*
Care of serious trauma in southern Sweden [editorial] Frey CF. **JAMA** 1984 May 25;251(20):2698-9
Deaths decline, but drunk driving, other traffic safety hazards remain [news] Gunby P. **JAMA** 1984 Apr 6;251(13):1645-7
Culpability and accountability of hospitalized injured *alcohol-impaired drivers. A prospective study. Maull KI,* et al. **JAMA** 1984 Oct 12;252(14):1880-3
Traffic fatalities in a system with decentralized trauma care. *A study with special reference to potentially salvageable* casualties. Ottosson A, et al. **JAMA** 1984 May 25; 251(20):2668-71
Fatal collisions between joggers and automobiles in Rhode Island [letter] Ragosta M, et al. **JAMA** 1984 Jun 22-29; 251(24):3221
Prescription drugs and driving performance. Lancet 1984 Jul 14;2(8394):112
Maxillo-facial fractures--a retrospective analysis of 285 cases. Foo GC. **Med J Malaysia** 1983 Sep;38(3):178-81
Femoral fracture in children (a prospective study of two hundred and four fractures). Izhar-Ul-Haque, et al.
Med J Zambia 1982 May-Jul;16(3):51-3
Child pedestrian accidents, epidemiology and law. Chapman AJ, et al. **Med Law** 1984;3(2):177-81
Forensic science assistance in investigating road accidents. *Morgan WH. Med Law 1984;3(3):297-303*
Wrong medical treatment and the 'no fault' law. Rivlin E.
Med Law 1984;3(3):305-7
Clinicopathologic conference: trauma in a dog. Willard MD, et al. **Mod Vet Pract** 1984 Feb;65(2):129-33
Pedal cycle accidents [letter] McKenna S, et al.
NZ Med J 1984 Sep 26;97(764):657-8

Late abruptio placenta in trauma patients: implications for monitoring. Higgins SD, et al. **Obstet Gynecol** 1984 Mar; 63(3 Suppl):10S–12S

Forensic aspects of the highway crash. Gikas PW. **Pathol Annu** 1983;18 Pt 2:147–63

American Academy of Pediatrics. Committee on Accident and Poison Prevention. *Automatic passenger protection systems.* **Pediatrics** 1984 Jul;74(1):146–7

Geophysical variables and behavior: XIII. Comment on 'Lunar phase and accident injuries': the dark side of the moon and lunar research. Kelly IW, et al. **Percept Mot Skills** 1983 Dec;57(3 Pt 1):919–21

Findings from a major U.S. survey of persons hospitalized with head injuries. Anderson DW, et al. **Public Health Rep** 1983 Sep–Oct;98(5):475–8

Traffic fatalities in Rhode Island: Part 1—Descriptive epidemiology. Nakabayashi K, et al. **RI Med J** 1984 Jan; 67(1):25–30

Traffic fatalities in Rhode Island: Part II. The timing of accidents and the role of marital status, alcohol, and psychoactive drugs. Nakabayashi K, et al. **RI Med J** 1984 Apr;67(4):171–8

Amputations following motorcycle accidents. A 1-year experience. Gottschalk FA. **S Afr Med J** 1984 Jul 21; 66(3):108–9

Automobile accidents and birthdays: an attempted extension of the 'death dip' hypothesis. Kunz PR, et al. **Soc Biol** 1983 Spring;30(1):106–8

Traumatic dislocation of testis. Nagarajan VP, et al. **Urology** 1983 Nov;22(5):521–4

Fence post impalement injury of the chest with air embolus: case report. Kron IL, et al. **Va Med** 1983 Nov;110(11):666–8

Car passenger injuries and child restraints. Chang A. **West J Med** 1983 Sep;139(3):362

Road traffic accidents in developing countries. Report of a WHO meeting. **WHO Tech Rep Ser** 1984;703:1–29

Football players wear helmets [editorial] Falk VS. **Wis Med J** 1983 Sep;82(9):6

The effect of the unrestrained back seat passenger on the injuries suffered by drivers and front seat passengers in head-on collisions. Löwenhielm P, et al. **Z Rechtsmed** 1984; 92(3):199–204

Fractures of the arches of the atlas: a study of their causation. Sköld G. **Z Rechtsmed** 1983;90(4):247–58

[Injuries of the pancreas in fatal accidents] Gregora Z, et al. **Rozhl Chir** 1983 Dec;62(12):810–3 **(Cze)**

[Perforating eye injuries in motor car accidents 1971–80] Alsbirk KE, et al. **Ugeskr Laeger** 1983 Oct 3; 145(40):3115–20 (Eng. Abstr.) **(Dan)**

[Injuries and seat belts] Meurisse M, et al. **Acta Chir Belg** 1984 May-Jun;84(3):186–91 (Eng. Abstr.) **(Fre)**

[Benzodiazepines, alcohol and effects on vigilance] Bourrucand D. **Encephale** 1983;9(4 Suppl 2):117B–122B (Eng. Abstr.) **(Fre)**

[Pregnancy and injuries in traffic. Apropos of a case] Wolf JP, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1983; 12(8):879–82 (Eng. Abstr.) **(Fre)**

[A car accident. Parallel development of posttraumatic psychiatric pathology in a mother and child] Bergès JL. **Sem Hop Paris** 1983 Dec 15;59(47):3279–83 (Eng. Abstr.) **(Fre)**

[Universal availability of driver education courses in secondary schools does not reduce morbidity and mortality of young Canadians] Laberge-Nadeau C, et al. **Union Med Can** 1983 Sep;112(9):759–66 (Eng. Abstr.) **(Fre)**

[Determination of sitting position of automobile passengers following traffic accidents] Bauer G, et al. **Beitr Gerichtl Med** 1983;41:239–47 (Eng. Abstr.) **(Ger)**

[Blood level of glycosylated hemoglobin (HbA1) in cadaver blood and stored blood samples and the possibilities for use in legal and traffic medicine] Gilg T, et al. **Beitr Gerichtl Med** 1984;42:293–300 (Eng. Abstr.) **(Ger)**

[Errors in investigations and judgment as consequence of insufficient synopsis of interdisciplinary reconstruction of traffic accidents] Heifer U. **Beitr Gerichtl Med** 1983; 41:229–31 (Eng. Abstr.) **(Ger)**

[Pelvic stress in collisions from the side] Kallieris D, et al. **Beitr Gerichtl Med** 1984;42:329–37 (Eng. Abstr.) **(Ger)**

[Pedestrian-automobile accidents in collision velocities over 70 km/h] Metter D. **Beitr Gerichtl Med** 1984;42:319–27 (Eng. Abstr.) **(Ger)**

[Injuries and survival time in fatal accidents] Mittmeyer HJ, et al. **Beitr Gerichtl Med** 1983;41:249–54 (Eng. Abstr.) **(Ger)**

[Histologic findings of the lung following traffic accidents with different survival times] Pedal I, et al. **Beitr Gerichtl Med** 1983;41:271–7 (Eng. Abstr.) **(Ger)**

[Retrospective study of 385 fatal pedestrian accidents] Schmidt G, et al. **Beitr Gerichtl Med** 1983;41:233–8 (Eng. Abstr.) **(Ger)**

[Windshield injuries. Frequency—treatment—safety measures] Lund OE. **Fortschr Ophthalmol** 1984;81(1):21–8 (Eng. Abstr.) **(Ger)**

[Cerebral hemorrhage following a rear-end collision] Bauer G, et al. **Unfallheilkunde** 1984 Jan;87(1):37–9 (Eng. Abstr.) **(Ger)**

[Traffic-related mobility in the elderly] Mathey FJ. **Z Gerontol** 1983 Nov-Dec;16(6):284–9 (Eng. Abstr.) **(Ger)**

[Clues in pedestrian-vehicle collisions and their significance for reconstruction of accidents] Metter D. **Z Rechtsmed** 1983;91(1):21–32 (Eng. Abstr.) **(Ger)**

[Multiple injuries in mass accidents] Wondrák E. *Zentralbl Chir 1984;109(9):602–6 (Eng. Abstr.)* **(Ger)**

[Cardiac contusion in road accidents: unrecognized injury] Findler M, et al. **Harefuah** 1983 Sep;105(5–6):138–9 **(Heb)**

[Drugs of abuse and street accidents in Italy] Ferrara SD, et al. **Ann Ist Super Sanita** 1982;18(4):769–74 (Eng. Abstr.) **(Ita)**

[Traumatic rupture of the thoracic aorta] Levang OW, et al. **Tidsskr Nor Laegeforen** 1984 Mar 20;104(8):568–70 (Eng. Abstr.) **(Nor)**

[Traffic accidents among children and adolescents in the light of data from the State Insurance Agency 1975–1979] Kobialka B, et al. **Pediatr Pol** 1983 Nov;58(11):873–8 (Eng. Abstr.) **(Pol)**

[Value of computerized tomography of the head in neurological expert testimony] Derach-Kuszczyńska M. **Pol Tyg Lek** 1983 Dec 5;38(49):1541–2 (Eng. Abstr.) **(Pol)**

[Features of recent traffic accident injuries and possibilities for improving the results of treatment of the injured in stages] Istomin GP. **Ortop Travmatol Protez** 1983 Nov; (11):1–5 (Eng. Abstr.) **(Rus)**

[Use of tables to determine the optimal extent of treatment by ambulance squads] Kaverin NM, et al. **Ortop Travmatol Protez** 1983 Sep;(9):68–71 **(Rus)**

[Organization of emergency medical services to victims of road-transport accidents in a non-categorized city] Kustova EA, et al. **Ortop Travmatol Protez** 1984 Feb; (2):58–61 **(Rus)**

[Pediatric road traffic injuries in a large city] Lishke AA, et al. **Sov Zdravookhr** 1984;(7):38–40 **(Rus)**

[Identification of a motor vehicle from abrasions on the corpse] Antipov VM, et al. **Sud Med Ekspert** 1983 Jul–Sep; 26(3):53 **(Rus)**

[Automobile accident with avulsion of the extremities] Lysenko IuB. **Sud Med Ekspert** 1983 Oct–Dec;26(4):53 **(Rus)**

[Effectiveness of complex expert opinion in the case of a traffic accident] Rostoshinskii EN. **Sud Med Ekspert** 1983 Oct–Dec;26(4):52–3 (Eng. Abstr.) **(Rus)**

[State and perspectives of scientific studies with regard to medico-legal expert testimony in traffic injuries] Solokhin AA. **Sud Med Ekspert** 1984 Apr–Jun;27(2):18–22 (Eng. Abstr.) **(Rus)**

[Analysis of the fatal outcome of traffic injuries in hospitals] Velisheva LS, et al. **Sud Med Ekspert** 1984 Apr–Jun; 27(2):23–5 (Eng. Abstr.) **(Rus)**

[Highway craniocerebral injuries] Romodanov AP, et al. **Zh Vopr Neirokhir** 1984 May–Jun;(3):9–14 (Eng. Abstr.) **(Rus)**

[Perforating wounds of the eyeball caused by automobile accidents] Kara José N, et al. **Bol Of Sanit Panam** 1983 Dec;95(6):547–55 (Eng. Abstr.) **(Spa)**

[Epidemiology and economics of motorcycle accidents] Andrén-Sandberg A, et al. **Lakartidningen** 1984 May 23; 81(21):2169–71 **(Swe)**

ECONOMICS

Preaching to the choir [editorial] McNabney WK. **Ann Emerg Med** 1984 Mar;13(3):204

PREVENTION & CONTROL

The child in the car. What every nurse should know about safety. Righi FC, et al. **Am J Nurs** 1983 Oct;83(10):1421–4

Using roadblocks to reduce drunk driving: public health or law and order? Christoffel T. **Am J Public Health** 1984 Sep;74(9):1028–30

Willingness to pay for reduction in fatality risk: an exploratory survey. Muller A, et al. **Am J Public Health** 1984 Aug;74(8):808–12

Moped injuries. McHugh TP, et al. **Ann Emerg Med** 1984 Jan;13(1):35–9

Road accident trauma—facts and trends [interview] Trinca G. **Aust Fam Physician** 1984 Apr;13(4):237–9

Motorcyclists should be encouraged to wear full face crash helmets [letter] Capewell S, et al. **Br Med J [Clin Res]** 1984 Apr 21;288(6425):1230–1

Drink-driving—the nexus between social attitudes, social action and research directions. Johnston IR. **Community Health Stud** 1984;8(2):229–33

A behavioural approach to improving traffic behaviour of young children. Rothengatter T. **Ergonomics** 1984 Feb; 27(2):147–60

Increased mortality following repeal of mandatory motorcycle helmet law. Scholten DJ, et al. **Indiana Med** 1984 Apr;77(4):252–5

The prevention of leg injuries in motorcycle accidents. Ross DJ. **Injury** 1983 Sep;15(2):75–7

Alcohol and other drug use and automobile safety: a survey of Boston-area teen-agers. Wechsler H, et al. **J Sch Health** 1984 May;54(5):201–3

The effectiveness of deferred prosecution for driving while intoxicated. Salzberg PM, et al. **J Stud Alcohol** 1983 Mar; 44(2):299–306

Compulsory blood alcohol testing [letter] **Med J Aust** 1983 Oct 29;2(9):417

The modern killer [editorial] Chen PC. **Med J Malaysia** 1983 Jun;38(2):90–3

Military police traffic surveillance activity and occurrence of accidents in Israel. Soudry A, et al. **Milit Med** 1984 Jun;149(6):321–3

Seat belts, road safety, society and surgeons [editorial] Sinha SN. **Papua New Guinea Med J** 1983 Mar;26(1):7–8

Child restraint devices. Krassner LS. **Pediatr Ann** 1983 Oct; *12(10):733–6*

Behavior modification behind wheel [editorial] Smith DA. **Penn Med** 1984 Jan;87(1):10

Highway injury. Robertson LS. Tex Med 1983 Sep; 79(9):48–50

Alcohol and injury. Thompson CT. **Tex Med** 1983 Oct; 79(10):51–2

Drugs, driving, and traffic safety. **WHO Offset Publ** 1983; (78):1–57

[Prevention of road accidents in children (editorial)] Wortreich B. **Harefuah** 1983 Feb 1;104(3):112 **(Heb)**

[Various aspects of the development of automobile transportation medicine] Vaĭsman AI. **Gig Tr Prof Zabol** 1983 Jul;(7):27–30 (Eng. Abstr.) **(Rus)**

[Prevention of highway trauma] Balmukhanov VN, et al. **Sov Zdravookhr** 1983;(10):37–40 **(Rus)**

[Methods of testing the training of motor vehicle drivers] Mishurin VM. **Voen Med Zh** 1983 Jul;(7):49–51 **(Rus)**

[Personal injuries in derailments – a suggestion on risk-minimizing measures] Eriksson A, et al. **Lakartidningen** 1984 Feb 1;81(5):352–4 (Eng. Abstr.) **(Swe)**

ACCLIMATIZATION

Metabolic adjustments of small passerine birds for migration and cold. Dawson WR, et al. **Am J Physiol** 1983 Dec; 245(6):R755–67 (181 ref.)

Metabolic responses to tyramine and cold in young male Sprague-Dawley and Fischer 344 rats. Kiang-Ulrich M, et al. **Am J Physiol** 1984 Feb;246(2 Pt 1):E141–4

Interactions of cold exposure and starvation on glucose tolerance and insulin response. Vallerand AL, et al. **Am J Physiol** 1983 Dec;245(6):E575–81

Isoproterenol-induced blood flow in rats acclimated to room temperature and cold. Wickler SJ, et al. **Am J Physiol** 1984 May;246(5 Pt 2):R747–52

Work performance of high-altitude Aymara males. Greksa LP, et al. **Ann Hum Biol** 1984 May–Jun;11(3):227–33

Anthropometric survey of high-altitude Bolivian porters. Leatherman TL, et al. **Ann Hum Biol** 1984 May–Jun; 11(3):253–6

Cognitive performance during a heat acclimatization regimen. Curley MD, et al. **Aviat Space Environ Med** 1983 Aug;54(8):709–13

Mechanism for adaptive modification during cold acclimation of phospholipid acyl chain composition in Tetrahymena. I. Principal involvement of deacylation-reacylation. Kameyama Y, et al. **Biochim Biophys Acta** 1984 Mar 27; 793(1):28–33

Fatty acid synthesis and ketone body utilization by brown adipose tissue of the rat. Response to cold or nutritional state? Wright J, et al. **Biochim Biophys Acta** 1983 Sep 20; 753(2):244–8

Mechanism for adaptive modification during cold acclimation of phospholipid acyl chain composition in Tetrahymena. II. Activities of 2-acyl-sn-glycerol-3-phosphorylcholine and 2-acyl-sn-glycerol-3- phosphorylethanolamine acyltransferases involving the reacylation. Yoshioka S, et al. **Biochim Biophys Acta** 1984 Mar 27;793(1):34–41

Beta-adrenergic receptors in white fat cells of cold-acclimated rats. Senault C, et al. **Biochimie** 1983 Jun; 65(6):301–6

Localization of serotonin and dopamine in the brown adipose tissue of the rat and their variations during cold exposure. Mory G, et al. **Biol Cell** 1983;48(2–3):159–66

Adaptive changes in the concentration of the mitochondrial 'uncoupling' protein in brown adipose tissue of hamsters acclimated at different temperatures. Trayhurn P, et al. **Biosci Rep** 1983 Dec;3(12):1077–84

Total calorimetric measurements in the rat: influences of the sleep-wakefulness cycle and of the environmental temperature. Schmidek WR, et al. **Brain Res** 1983 Dec 12;288(1–2):261–71

Alterations in CNS amine levels by acclimatization to hypobaric hypoxia. Hughes MJ, et al. **Brain Res Bull** 1983 Aug;11(2):255–8

Nitrite-induced methemoglobin formation and recovery in channel catfish (Ictalurus punctatus) at three acclimation temperatures. Huey DW, et al. **Bull Environ Contam Toxicol** 1984 Jun;32(6):674–81

Responses of the PAS-positive pars intermedia cells in the cichlid fish Sarotherodon mossambicus to ambient calcium and background adaptation. Van Eys GJ, et al. **Cell Tissue Res** 1984;236(1):181–7

Angiotensin converting enzyme response to hypoxia in man: its role in altitude acclimatization. Milledge JS, et al. **Clin Sci** 1984 Oct;67(4):453–6

Seasonal variation in Na+-K+-ATPase in tissues of field acclimatized woodrats, Neotoma lepida. Davis JP, et al. **Comp Biochem Physiol [A]** 1983;76(1):115–21

Ketone bodies in cold-acclimated rats. Goubern M, et al. **Comp Biochem Physiol [B]** 1983;76(4):741–4

Destabilization of the plasma membrane of isolated plant protoplasts during a freeze–thaw cycle: the influence of

cold acclimation. Steponkus PL, et al. **Cryobiology** 1983 Aug;20(4):448–65

Tetrahymena. Adaptation to high iron. Rasmussen L, et al. **Exp Cell Res** 1984 Jul;153(1):236–9

Influence of lesions of the limbic–hypothalamic system on adrenocortical responses to daily repeated heat exposures in rabbits. Seto K, et al. **Exp Clin Endocrinol** 1983 Jul; 82(1):42–50

Comparative thermoregulatory responses to acute cold in women of Asian and European descent. Gallow D, et al. **Hum Biol** 1984 Feb;56(1):19–34

Functional asymmetry of the cerebral hemispheres during adaptation to new climato-geographic conditions. Kolyshkin VV. **Hum Physiol** 1983 Mar–Apr;9(2):90–6

Gonadotrophic hormone and cortisol levels in women during adaptation to polar conditions. Shvareva NV, et al. **Hum Physiol** 1983 Jul–Aug;9(4):228–34

Thermotolerance and thermosensitization in CHO and R1H cells: a comparative study. Dikomey E, et al. **Int J Radiat Biol** 1984 Aug;46(2):181–92

The development of thermotolerance in hyperthermal injury to the villus compartment of mouse small intestine. Hume SP, et al. **Int J Radiat Biol** 1984 May;45(5):439–47

The response of previously irradiated mouse skin to heat alone or combined with irradiation: influence of thermotolerance. Wondergem J, et al. **Int J Radiat Biol** 1983 Dec;44(6):539–52

Heterogeneity in induced thermal resistance of rat tumor cell clones. Tomasovic SP, et al. **Int J Radiat Oncol Biol Phys** 1983 Nov;9(11):1675–81

Hypohydration and heat acclimation: plasma renin and aldosterone during exercise. Francesconi RP, et al. **J Appl Physiol** 1983 Dec;55(6):1790–4

Albumin–induced plasma volume expansion: diurnal and temperature effects. Hubbard RW, et al. **J Appl Physiol** 1984 May;56(5):1361–8

Heat exchange following atropine injection before and after heat acclimation. Kolka MA, et al. **J Appl Physiol** 1984 Apr;56(4):896–9

Adrenocortical responses to maximal exercise in moderate–altitude natives at 447 Torr. Maresh CM, et al. **J Appl Physiol** 1984 Feb;56(2):482–8

Heat acclimation in cystic fibrosis. Orenstein DM, et al. **J Appl Physiol** 1984 Aug;57(2):408–12

Hypohydration and exercise: effects of heat acclimation, gender, and environment. Sawka MN, et al. **J Appl Physiol** 1983 Oct;55(4):1147–53

Activity of LH receptor, LH–stimulated cyclic AMP and testosterone production in the Leydig cell of heat–acclimatized rats. Bedrak E, et al. **J Endocrinol** 1984 Aug;102(2):167–73

Thermal acclimatization of hepatic polysubstrate monooxygenase and UDP–glucuronosyltransferase of mature rainbow trout (Salmo gairdneri). Koivusaari U. **J Exp Zool** 1983 Jul;227(1):35–42

Fish liver protein synthesis during cold acclimatization: seasonal changes of the ultrastructure of the carp hepatocyte. Sáez L, et al. **J Exp Zool** 1984 May; 230(2):175–86

Quantitative evaluation of gap junctions in rat brown adipose tissue after cold acclimation. Schneider–Picard G, et al. **J Membr Biol** 1984;78(2):85–9

The pineal and endocrine changes in heat exposed male hamsters. Kaplanski J, et al. **J Neural Transm** 1983; 58(3–4):261–70

The receptor potential and adaptation in the cockroach tactile spine. French AS. **J Neurosci** 1984 Aug;4(8):2063–8

Effect of high fat diets on the thermogenic activity of brown adipose tissue in cold–acclimated mice. Mercer SW, et al. **J Nutr** 1984 Jun;114(6):1151–8

The concept of 'productive adaptability' of domestic animals in tropical and subtropical regions. Horst P. **J S Afr Vet Assoc** 1983 Sep;54(3):159–64

Changes in glucagon and insulin contents of brown adipose tissue after temperature acclimation in rats. Habara Y, et al. **Jpn J Physiol** 1983;33(4):661–5

Effects of glucagon and noradrenaline on the blood flow through brown adipose tissue in temperature–acclimated rats. Yahata T, et al. **Jpn J Physiol** 1983;33(3):367–76

Temperature–dependent deacylation of molecular species of phosphatidylcholine by microsomal phospholipase A2 of thermally acclimated rainbow trout, Salmo gairdneri. Neas NP, et al. **Lipids** 1984 Apr;19(4):258–63

Acute effects of fat and carbohydrate on metabolic rate in normal, cold–acclimated and lean and obese (fa/fa) Zucker rats. Rothwell NJ, et al. **Metabolism** 1983 Apr;32(4):371–6

Cold acclimation of obese (ob/ob) mice: effects of energy balance. Smith CK, et al. **Metabolism** 1984 Sep;33(9):853–7

Cold acclimation of obese (ob/ob) mice: effects on skeletal muscle and bone. Smith CK, et al. **Metabolism** 1984 Sep; 33(9):858–63

Brown adipose tissue and thermogenesis in hypophysectomized rats in relation to temperature acclimation. Laury MC, et al. **Pflugers Arch** 1984 Feb; 400(2):171–7

Seasonal aggression independent of seasonal testosterone in wood rats. Caldwell GS, et al. **Proc Natl Acad Sci USA** 1984 Aug;81(16):5255–7

Operation Everest II. Sutton JR, et al. **Prog Clin Biol Res** 1983;136:221–33

Thyroid hormone metabolism after acclimatization to warm or cold temperature under conditions of high or low energy *intake. Macari M, et al. **Q J Exp Physiol** 1983 Oct; 68(4):709–18*

Persistence of thermotolerance in slowly proliferating plateau–phase cells. Gerweck LE, et al. **Radiat Res** 1984 Feb;97(2):365–72

Radiosensitivity and thermosensitization of thermotolerant Chinese hamster cells and RIF–1 tumors. Hartson–Eaton M, et al. **Radiat Res** 1984 Jul;99(1):175–84

Is DNA damage the signal for induction of thermal resistance? induction by radiation in yeast. Mitchel RE, et al. **Radiat Res** 1984 Aug;99(2):383–93

Thermotolerance in cultured hepatoma cells: cell viability, cell morphology, protein synthesis, and heat–shock proteins. Schamhart DH, et al. **Radiat Res** 1984 Apr; 98(1):82–95

Effect of thermotolerance on thermal radiosensitization in hepatoma cells. van Rijn J, et al. **Radiat Res** 1984 Feb; 97(2):318–28

Dissociation of 68,000 Mr heat shock protein synthesis from thermotolerance expression in rat fibroblasts. Widelitz RB, et al. **Radiat Res** 1984 Aug;99(2):433–7

The contribution of central mechanisms rostral to the pons in high altitude ventilatory acclimatization. Ou LC, et al. **Respir Physiol** 1983 Dec;54(3):343–51

Heat acclimatisation of poultry in the Sudan. Sykes AH. **Vet Rec** 1982 Feb 6;110(6):130–1

Lowered cold tolerance in cold–acclimated and non–acclimated guinea pigs treated with diazepam. Vapaatalo H, et al. **Z Rechtsmed** 1984;91(4):279–86

[Effect of temperature on oxygen consumption of Vipera seoanei Lataste, 1879 (Reptilia, Viperidae) acclimatized to natural conditions] Célérier ML, et al. **C R Seances Acad Sci [III]** 1983;296(15):731–4 (Eng. Abstr.) **(Fre)**

[Problems of non–acclimatized maintenance of laboratory animals] Ankermann H. **Biomed Biochim Acta** 1983; 42(4):417–8 **(Ger)**

[Thermogenic responses of high–altitude adapted rats on low temperatures and low pressures] Yanagidaira Y. **Nippon Seirigaku Zasshi** 1983;45(3):134–44 (Eng. Abstr.) **(Jpn)**

[Morphologic changes in erythrocytes during exposure of the body to cold] Marachev AG, et al. **Arkh Patol** 1983; 45(9):11–8 (Eng. Abstr.) **(Rus)**

[Effect of mountain climate on higher nervous activity in healthy and anemic women] Makarenko NV, et al. **Fiziol Zh** 1983 Jul–Aug;29(4):393–8 (Eng. Abstr.) **(Rus)**

[Adrenal cortical and ovarian functions of healthy inhabitants and iron–deficiency anemia patients in an arid zone adapting to mountain conditions] Reznikov AG, et al. **Fiziol Zh** 1984 Jul–Aug;30(4):498–502 **(Rus)**

[Human immunological reactivity in a mountain climate] Shogentsukova EA, et al. **Fiziol Zh** 1983 Jul–Aug; 29(4):399–404 **(Rus)**

[Seasonal features of the effect of low temperature on cerebral monoamine oxidase activity and sensitivity of the rat to hyperoxia] Goroshinskaia IA, et al. **Fiziol Zh SSSR** 1983 Aug;69(8):1079–84 (Eng. Abstr.) **(Rus)**

[Health assessment of the biological effects of oxygen deficiency in the environment] Shandala MG, et al. **Gig Sanit** 1983 Sep;(9):65–7 **(Rus)**

[Characteristics of the regulation of physiological functions during adaptation to duties during expeditions] Krivoshchekov SG, et al. **Gig Tr Prof Zabol** 1984 Apr; (4):15–9 (Eng. Abstr.) **(Rus)**

[Characteristics of the vascular reaction to cooling in polar explorers in Antarctica depending on the length of winter and occupational activity] Krivoshchekov SG. **Gig Tr Prof Zabol** 1983 Nov;(11):58–9 **(Rus)**

[Orthostatic resistance in sailors during voyages in arctic and tropical regions] Kushnirenko EA, et al. **Voen Med Zh** 1983 Sep;(9):43–5 **(Rus)**

[Role of physical exertion in artificial heat adaptation] Mar'ianovich AT, et al. **Voen Med Zh** 1984 Mar;(3):48–50 **(Rus)**

[Informational measure of an acclimatization load] Latyshev GD, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Jan–Feb;(1):48–9 **(Rus)**

[Saunas as a means of increasing resistance to cold] Lazarenko PV, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 Nov–Dec;(6):56 **(Rus)**

[Effectiveness of sanatorium and climate treatment of patients with nonspecific lung diseases arriving in the Crimea from various climatic zones of the country] Navrotskii VV, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Mar–Apr; (2):9–13 (Eng. Abstr.) **(Rus)**

[Importance of catecholamines and various subtypes of beta–adrenoreceptors for resistance of mice to acute, intensive cooling] Plotnikov NIu, et al. **Vopr Med Khim** 1983 Jul–Aug;29(4):122–7 (Eng. Abstr.) **(Rus)**

[Effect of work activity on thermal adaptation reactions in chronic nonspecific lung diseases] Klapchuk VV. **Vrach Delo** 1983 Dec;(12):70–2 (Eng. Abstr.) **(Rus)**

[Urinary elimination of erythropoietin during the acclimatization of human beings to an altitude of 4,300 meters above sea level] Scaro JL. **Sangre (Barc)** 1984; 29(1):31–5 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Effect of arginine–vasopressin neuropeptide on human tolerance of a hot dry environment. Bakharev VD, et al. **Hum Physiol** 1983 Sep–Oct;9(5):361–8

Effect of 8–arginine–vasopressin during adaptation to hyperthermia. Zgoda NV, et al. **Hum Physiol** 1983 Sep–Oct;9(5):369–76

Growth in cadmium–containing medium induces resistance to heat in E. coli. Roberts PB. **Int J Radiat Biol** 1984 Jan; 45(1):27–31

Noradrenaline–induced secretions of pancreatic hormones in cold– and heat–acclimated rats. Kuroshima A, et al. **Jpn J Physiol** 1983;33(5):827–36

[Effect of catecholamines and propranolol on the acute acclimatization to high altitude in man] Koller EA, et al. **Schweiz Med Wochenschr** 1983 Dec 31;113(52):1989–99 (Eng. Abstr.) **(Ger)**

[Vitamins in the process of adaptation to high altitude] Belakovskii MS, et al. **Kosm Biol Aviakosm Med** 1984 May–Jun;18(3):4–9 (44 ref.) (Eng. Abstr.) **(Rus)**

ACCOMMODATION, OCULAR

Accommodation as the primary cause of low–luminance myopia. Experimental evidence. Epstein D. **Acta Ophthalmol (Copenh)** 1983 Jun;61(3):424–30

An experimental study on visual strain and microscopy work. Nyman KG. **Acta Ophthalmol [Suppl] (Copenh)** 1984;161:94

Transient myopia and accommodative paresis following retinal cryotherapy and panretinal photocoagulation. Lerner BC, et al. **Am J Ophthalmol** 1984 Jun;97(6):704–8

Apparent accommodation in pseudophakic eyes after implantation of posterior chamber intraocular lenses. Nakazawa M, et al. **Am J Ophthalmol** 1983 Oct;96(4):435–8

Orthoptic treatment of subjects showing slow accommodative responses. Bobier WR, et al. **Am J Optom Physiol Opt** 1983 Aug;60(8):678–87

Effect of monocular occlusion on lateral phoria. Bross M. **Am J Optom Physiol Opt** 1984 Jan;61(1):31–3

Classification criterion for success in the treatment of convergence insufficiency. Daum KM. **Am J Optom Physiol Opt** 1984 Jan;61(1):10–5

Predicting results in the orthoptic treatment of accommodative dysfunction. Daum KM. **Am J Optom Physiol Opt** 1984 Mar;61(3):184–9

Relation of symptoms to accommodative infacility of school–aged children. Hennessey D, et al. **Am J Optom Physiol Opt** 1984 Mar;61(3):177–83

Cortical indices of impaired ocular accommodation and associated convergence mechanisms. Lovasik JV, et al. **Am J Optom Physiol Opt** 1984 Mar;61(3):150–9

Effects of accommodation and repeated applanation tonometry on intraocular pressure. Mauger RR, et al. **Am J Optom Physiol Opt** 1984 Jan;61(1):28–30

Overaccommodation, underaccommodation, and the clinical phoropter: a study of instrument myopia and related effects. Miller RJ, et al. **Am J Optom Physiol Opt** 1984 May; 61(5):293–303

Use of a ready signal in accommodation assessment. Miller RJ, et al. **Am J Optom Physiol Opt** 1983 Oct;60(10):839–42

Accommodative involvement with adie's pupil. Rouse MW, et al. **Am J Optom Physiol Opt** 1984 Jan;61(1):54–5

Convergence amplitude insufficiency. Brinkley JR Jr, et al. **Ann Ophthalmol** 1983 Sep;15(9):826–8, 830–1

Eye accommodation during prey capture behaviour in salamanders (Salamandra salamandra L.). Werner C, et al. **Behav Brain Res** 1984 Apr;12(1):69–73

Consensual accommodation. Thorn F, et al. **Curr Eye Res** 1984 May;3(5):711–6

Accommodative stimulus/response function in human amblyopia. Ciuffreda KJ, et al. **Doc Ophthalmol** 1984 Feb 29;56(4):303–26

Visual manifestations of biological aging. Sekuler R, et al. **Exp Aging Res** 1983 Winter;9(4):253–5

Model of static accommodative behavior in human amblyopia. Hung GK, et al. **IEEE Trans Biomed Eng** 1983 Oct;30(10):665–72

Accommodation synoptophore in the treatment of convergence insufficiency. Reddy RH, et al. **Indian J Ophthalmol** 1983 Jul;31(4):367–8

Time course and variability of dark focus. Baker R, et al. **Invest Ophthalmol Vis Sci** 1983 Nov;24(11):1528–31

Accommodation dynamics in divergence excess exotropia. Schnider CM, et al. **Invest Ophthalmol Vis Sci** 1984 Apr; 25(4):414–8

Iseikonia and accommodation in the fellow eye in monocular IOL implantation. Wang GJ, et al. **J Am Intraocul Implant Soc** 1983 Fall;9(4):441–4

Accommodation in cerebral palsy: function and remediation. Duckman RH. **J Am Optom Assoc** 1984 Apr;55(4):281–3

Inducing asymmetric adds. Trauma to postganglionic parasympathetic innervation. Laifer NJ, et al. **J Am Optom Assoc** 1984 Jan;55(1):41–2

A review of the literature and a normative study of accommodative facility. Zellers JA, et al. **J Am Optom Assoc** 1984 Jan;55(1):31–7

Ocular accommodation variability of visual inspection workers in shift work system. Saito M, et al. **J Hum Ergol (Tokyo)** 1982;11 Suppl:47–55

Medical management of accommodative esotropia. Hiatt RL. **J Pediatr Ophthalmol Strabismus** 1983 Sep–Oct; 20(5):199–201

Model of visual focussing involving extraocular muscles and the causes of myopia and glaucoma. Doonan B. **Med Hypotheses** 1984 Jan;13(1):115–8

Mechanisms of accommodation and refractive error. Garner LF. **Ophthalmic Physiol Opt** 1983;3(3):287–93
Adaptation of tonic accommodation. Schor CM, et al. **Ophthalmic Physiol Opt** 1984;4(2):133–7
Accommodative disfacility presenting as intermittent exotropia. Stark L, et al. **Ophthalmic Physiol Opt** 1984; 4(3):233–44
Ultrasound—a research tool in the study of accommodation. Storey JK, et al. **Ophthalmic Physiol Opt** 1983;3(3):315–20
Binocular balance validity: a comparison of five common subjective techniques. West D, et al. **Ophthalmic Physiol Opt** 1984;4(2):155–9
Preoperative prism adaptation in acquired esotropia. Scott WE, et al. **Ophthalmologica** 1984;189(1–2):49–53
Light–near dissociation of the pupil. Thompson HS. **Ophthalmologica** 1984;189(1–2):21–3
Accommodative esotropia long range follow–up. Swan KC. **Ophthalmology (Rochester)** 1983 Oct;90(10):1141–5
The structural basis of ocular accommodation in the chick. Suburo AM, et al. **Rev Can Biol Exp** 1983 Jul;42(2):131–7
Dark vergence and dark accommodation in human infants. Aslin RN, et al. **Vision Res** 1983;23(12):1671–8
Spatial frequency dependence of accommodative responses in amblyopic eyes. Ciuffreda KJ, et al. **Vision Res** 1983; 23(12):1585–94
Photorefraction of normal and astigmatic infants during viewing of patterned stimuli. Dobson V, et al. **Vision Res** 1983;23(10):1043–52
A model for accommodation in the young human eye: the effects of lens elastic anisotropy on the mechanism. Koretz JF, et al. **Vision Res** 1983;23(12):1679–86
The effect of contrast on sustained detection. Raymond JE, et al. **Vision Res** 1984;24(3):183–8
Evoked potential estimates of visual accommodation in infants. Sokol S, et al. **Vision Res** 1983;23(9):851–60
[Accommodation in strabismus] Pigassou–Albouy R. **J Fr Ophtalmol** 1984;7(3):237–44 (Eng. Abstr.) **(Fre)**
[The response of accommodative convergence during continuously changing target distance] Zülch J, et al. **Fortschr Ophthalmol** 1984;81(2):175–7 (Eng. Abstr.) **(Ger)**
[Quasistatic study on accommodation] Ukai K, et al. **Nippon Ganka Gakkai Zasshi** 1983;87(12):1428–34 (Eng. Abstr.) **(Jpn)**
[The accommodative convergence/accommodation ratio in exodeviation] Ignat F, et al. **Rev Chir [Oftalmol]** 1983 Apr–Jun;27(2):109–13 (Eng. Abstr.) **(Rum)**
[Accommodative convergence trainer] Avetisov ZS, et al. **Med Tekh** 1983 Nov–Dec;(6):43–5 **(Rus)**
[Bilateral accommodative spasm in an acute respiratory disease] Anokhina GD. **Oftalmol Zh** 1983;38(4):252–3 **(Rus)**
[Electrostimulation of the ciliary muscle in the treatment of spasm of accommodation] Cherikchi LE. **Oftalmol Zh** 1984; (2):83–6 (Eng. Abstr.) **(Rus)**
[Role of accommodative spasm in the development of acquired myopia and prevention of its development] Dashevskii AI. **Oftalmol Zh** 1983;38(5):306–9 **(Rus)**
[State of the accommodative convergence/accommodation ratio in healthy subjects] Degtiareva NM. **Oftalmol Zh** 1983;38(5):286–8 (Eng. Abstr.) **(Rus)**
[Our experience with electrotherapy of spasm of accomodation in progressive myopia] Morozova LN, et al. **Oftalmol Zh** 1984;(2):120–1 **(Rus)**
[Accommodation and myopia] Volkov VV, et al. **Oftalmol Zh** 1984;(2):112–7 **(Rus)**
[Use of electropuncture for stimulating the accommodation apparatus] Portnov FG, et al. **Vestn Oftalmol** 1983 Nov–Dec;(6):43–5 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

The effect of Timolol Maleate on tonic accommodation, tonic vergence, and pupil diameter. Gilmartin B, et al. **Invest Ophthalmol Vis Sci** 1984 Jun;25(6):763–70
The effects of caffeine on near point plus acceptance. Kirshner AJ, et al. **J Am Optom Assoc** 1984 Feb; 55(2):97–102

RADIATION EFFECTS

Effects on choroidal nerves after panretinal xenon arc and argon laser photocoagulation. Schiødte SN. **Acta Ophthalmol (Copenh)** 1984 Apr;62(2):244–55

ACCOUNTING

Preparing for a third–party audit. Fink JL 3d. **Am Pharm** 1983 Aug;NS23(8):49–51
Your accounts. Understanding balance sheets—2. Hepburn PF. **Br J Hosp Med** 1983 Dec;30(6):425, 427
Auditing health care policies [editorial] Klein R. **Br Med J [Clin Res]** 1984 Apr 7;288(6423):1021–2
Management strategies to increase cash flow. Beehler PJ, et al. **Hospitals** 1984 Jul 16;58(14):125–6
Compulsory accounts for medical practitioners—new income–tax rules. Lakhotia RN. **Indian J Pediatr** 1982 Sep–Oct;49(400):771–4
Boundary spanning and public accountant role stress. Bartunek JM, et al. **J Soc Psychol** 1983 Oct;121(1st Half):65–72
A pro rata system for recouping equipment costs. Hargest TS. **Med Instrum** 1983 Jul–Aug;17(4):288
Audit odds. Block J. **Mod Vet Pract** 1982 Sep;63(9):753–4
What is operational auditing? Knoll RJ, et al. **Top Health Care Financ** 1983 Winter;10(2):1–11
Increasing cash flow with a patient accounting review. Sacco PP. **Top Health Care Financ** 1983 Winter;10(2):49–53

ECONOMICS

Deferred compensation plans for the professional corporation. Gerson MS. **Vet Clin North Am [Small Anim Pract]** 1983 Nov; 13(4):685–96

LEGISLATION & JURISPRUDENCE

Hospital collections and gender neutrality. Bernstein AH. **Hospitals** 1984 Aug 1;58(15):87

METHODS

Involving clinicians in fee collections: implications for improving clinical practice and increasing fee income in a community mental health center. Mayer S, et al. **Community Ment Health J** 1981 Fall;17(3):214–25
Practice productivity. Reducing your collection costs. Conomikes GS. **J La State Med Soc** 1983 Nov;135(11):20
Variable billing: is it viable? Brower C. **Nurs Outlook** 1984 Jan–Feb;32(1):38–41
Selecting your accountant—an important decision. Gibbs CA. **Vet Clin North Am [Small Anim Pract]** 1983 Nov; 13(4):697–9

TRENDS

Hospital bill audits: a new growth industry. Richards G. **Hospitals** 1984 May 1;58(9):78, 81

ACCOUNTS PAYABLE AND RECEIVABLE see under **ACCOUNTING**

ACCREDITATION

First steps towards community health accreditation. Fry D, et al. **Aust Clin Rev** 1983 Dec;(11):19–21
Accreditation and dentistry. Henderson BJ. **Can Dent Assoc J** 1984 Jul;50(7):527–30
Surveying preclinical and clinical programs as part of the accreditation process of dental faculties. Osadetz C. **Can Dent Assoc J** 1983 Sep;49(9):638–42
Essentials and guidelines for accreditation of intrastate sponsors of continuing medical education. CSMS Committee on Continuing Medical Education. **Conn Med** 1984 Mar;48(3):179–87
JCAH to initiate new CAP laboratory evaluation procedure. **Hospitals** 1983 Dec 16;57(24):61
JCAH launches pilot test of survey tailored for multis. Affeldt JE. **Hospitals** 1984 Apr 16;58(8):107
Revised standards now for contingency use. Affeldt JE. **Hospitals** 1984 Jun 16;58(12):82
Questions addressed regarding new hospice program. Affeldt JE. **Hospitals** 1984 Jan 16;58(2):110
Hospital ownership changes could necessitate resurvey. Affeldt JE. **Hospitals** 1984 Feb 16;58(4):124
Development of indices of effectiveness: a quantification of the accrediting process. Roberts MD, et al. **J Allied Health** 1984 Feb;13(1):13–21
A research approach to simplifying the accrediting process of allied health programs. Roberts MD, et al. **J Allied Health** 1984 May;13(2):140–5
In search of excellence: JCAH medical staff standards. Todd JS. **J Med Soc NJ** 1983 Oct;80(10):803–4
Accreditation issues. Affeldt JE. **J Miss State Med Assoc** 1983 Dec;24(12):335–6
Common accreditation and education problems in obstetrics–gynecology residencies [letter] Dilts PV Jr. **J Reprod Med** 1983 Sep;28(9):55
Private hospital accreditation [letter] Hansen P. **Med J Aust** 1984 Mar 3;140(5):306
How the accreditation process works. Davis VL. **Mich Med** 1984 May;83(24):226–7
New York State's approach to clinical clerkships for students in unaccredited medical schools. Monahan TJ. **NY State J Med** 1984 Jul;84(7):348–51
Clinical clerkships. Problems and solutions. Riddle JW. **NY State J Med** 1984 Jul;84(7):355–7
Standards for hospice care: a JCAH hospice project overview. McCann BA, et al. **Prog Clin Biol Res** 1984; 156:431–40
Hospital compliance with JCAH nursing standards: findings from 1982 surveys. Longo DR, et al. **QRB** 1984 Aug; 10(8):243–7
Toward effective quality assurance: the evolution and current status of the JCAH QA standard. Roberts JS, et al. **QRB** 1984 Jan;10(1):11–5
Changing hospitals: the role of hospital accreditation. Duckett SJ. **Soc Sci Med** 1983;17(20):1573–9 (33 ref.)
[Requirements for accreditation in x–ray examination and nuclear medicine in medical insurance practice. II] Kamps H. **Radiologe** 1984 Jul;24(7):301–6 **(Ger)**
[Accreditation of graduate medical education: proposal of a method] Adriasola G, et al. **Rev Med Chil** 1983 Feb; 111(2):189–91 (Eng. Abstr.) **(Spa)**
[Teaching and accreditation of hospital centers] Vial S. **Rev Med Chil** 1983 Feb;111(2):185–8 (Eng. Abstr.) **(Spa)**

LEGISLATION & JURISPRUDENCE

Private credentialing of health care personnel: an antitrust perspective. Part One. Havighurst CC, et al. **Am J Law Med** 1983 Summer;9(2):131–201
Private credentialing of health care personnel: an antitrust perspective. Part Two. Havighurst CC, et al. **Am J Law Med** 1983 Fall;9(3):263–334
Accreditation: dispelling the myths. Elkins CM. **J Allied Health** 1983 Nov;12(4):249–61
Rights and responsibilities in the accreditation process. Horvath FL. **J Allied Health** 1983 Nov;12(4):245–8

ORGANIZATION & ADMINISTRATION

Monitoring and evaluating JCAH surveyors and the survey process. Downey JE, et al. **QRB** 1984 Feb;10(2):46–7
Compliance with JCAH standards: national findings from 1982 surveys. Longo DR, et al. **QRB** 1984 Mar;10(3):81–6

STANDARDS

Essentials and guidelines for accreditation of sponsors of continuing medical education. **J Med Soc NJ** 1984 Jul; 81(7):598–603
Accreditation issues: new medical staff standards. Affeldt JE. **J Miss State Med Assoc** 1984 Feb;25(2):37–8
[Accreditation of educational programs and certification of laboratory and radiology technicians in the United States] Gleich CS. **Educ Med Salud** 1984;18(2):136–49 (Eng. Abstr.) **(Spa)**

TRENDS

PSB accreditation for schools: A source of pride. **ASHA** 1984 May;26(5):19–21

ACCULTURATION

The rise of ethnicity: determinants of ethnic perceptions among Cuban exiles in Miami. Portes A. **Am Sociol Rev** 1984 Jun;49(3):383–97
Ethnic fertility differences in Canada, 1926–71: an examination of assimilation hypothesis. Basavarajappa KG, et al. **J Biosoc Sci** 1984 Jan;16(1):45–54
'First–step' adaptation of Okinawan agricultural settlers in eastern Bolivia from their demography and subsistence change. Ohtsuka R. **J Hum Ergol (Tokyo)** 1983 Sep; 12(1):15–25
Problems of eastern refugees and immigrants: adaptational problems of Vietnamese refugees Part IV. Lin KM, et al. **Psychiatr J Univ Ottawa** 1984 Jun;9(2):79–84
Mental health services for refugees and immigrants. Nguyen SD. **Psychiatr J Univ Ottawa** 1984 Jun;9(2):85–91
An analysis of problems of resettlement of the Indochinese refugees in the United States. Nicassio PM, et al. **Soc Psychiatry** 1984;19(3):135–41
Acculturation and mental health: a study of Hmong refugees at 1.5 and 3.5 years postmigration. Westermeyer J, et al. **Soc Sci Med** 1984;18(1):87–93
[Psychogenic gait disorder and transcultural conflict] Lehmkuhl U. **Acta Paedopsychiatr (Basel)** 1983 Oct; 49(5):211–9 (Eng. Abstr.) **(Ger)**
[Foreigners. An analysis of guest–worker problems from the biologic and genetic viewpoint] Jörgensen G. **MMW** 1983 Dec 16;125(50):1182–4 **(Ger)**
[Transcultural social psychiatric treatment. Case report of a suicide attempt] Zinck H. **Psychiatr Prax** 1984 Jan; 11(1):20–5 (Eng. Abstr.) **(Ger)**

ACEBUTOLOL

ADMINISTRATION & DOSAGE

Treatment of hypertension in the elderly with a low dose combination of a beta–adrenoceptor blocker and a thiazide diuretic: comparison with methyldopa. Down PF, et al. **Br J Clin Pract** 1983 Nov–Dec;37(11–12):371–4, 388
Clonidine, acebutolol and their interaction in essential hypertension: effects on blood pressure and the control of water and electrolyte balance. Plouin PF, et al. **Eur Heart J** 1983 Nov;4 Suppl G:7–11
[Treatment of essential arterial hypertension with a single daily dose of acebutolol] Saettone GP, et al. **Minerva Med** 1983 Oct 6;74(38):2237–40 (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

The psychological side effects of acebutolol and atenolol. Lewis MJ, et al. **Br J Clin Pharmacol** 1984 Mar;17(3):364–6
Ophthalmological monitoring of patients receiving long–term acebutolol [letter] Lyall MG, et al. **Br J Clin Pharmacol** 1983 Nov;16(5):574–6
Ocular, systemic and antinuclear antibody changes with acebutolol. Hosie J, et al. **J R Coll Gen Pract** 1983 Dec; 33(257):779–82

ANALOGS & DERIVATIVES

The effect of food and alcohol on the pharmacokinetics of acebutolol and its metabolite, diacetolol. Zaman R, et al. **Biopharm Drug Dispos** 1984 Jan–Mar;5(1):91–5
Preliminary study of the disposition in man of acebutolol and its metabolite, diacetolol, using a new stereoselective hplc method. Sankey MG, et al. **J Pharm Pharmacol** 1984

Apr;36(4):276–7

METABOLISM

Systemic bioavailability of acebutolol in man. Roux A, et al. **Biopharm Drug Dispos** 1983 Jul–Sep;4(3):293–7

The effect of food and alcohol on the pharmacokinetics of acebutolol and its metabolite, diacetolol. Zaman R, et al. **Biopharm Drug Dispos** 1984 Jan–Mar;5(1):91–5

Acebutolol pharmacokinetics in renal failure. Smith RS, et al. **Br J Clin Pharmacol** 1983 Sep;16(3):253–8

Statistical analysis of polymorphic drug metabolism data using the Rosin Rammler Sperling Weibull distribution. Jack DB. **Eur J Clin Pharmacol** 1983;25(4):443–8

Preliminary study of the disposition in man of acebutolol and its metabolite, diacetolol, using a new stereoselective hplc method. Sankey MG, et al. **J Pharm Pharmacol** 1984 Apr;36(4):276–7

PHARMACODYNAMICS

Effect of acebutolol on plasma catecholamine concentrations in anesthetized dogs with ouabain–induced arrhythmias and its direct actions in vitro on the adrenal medulla. Nakai T, et al. **Endocrinol Jpn** 1983 Oct;30(5):643–9

Compared effect of propranolol and acebutolol on serum thyroid hormones' levels in euthyroid and hyperthyroid patients: a randomized study. Perret G, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 Jul;22(7):360–4

[Change, by nicergoline, of the hemodynamic effects of acebutolol in healthy subjects] Moore N, et al. **Therapie** 1984 Mar–Apr;39(2):103–8 (Eng. Abstr.) **(Fre)**

[Effect of the alpha 1–receptor blocker prazosin and the beta 1–receptor blocker acebutolol and their combination on blood pressure and pressure rate product. Ergometric studies of hypertensive patients] Franz IW. **Z Kardiol** 1984 Jan;73(1):21–8 (Eng. Abstr.) **(Ger)**

[Effect of acebutolol, an adrenergic beta receptor blocker, on plasma free fatty acids fluctuations caused by isoproterenol administration] Nishihara K, et al. **Kokyu To Junkan** 1983 Nov;31(11):1167–71 **(Jpn)**

POISONING

Survival following massive overdose of adrenergic blocking agents (acebutolol and labetalol). Lewis M, et al. **Eur Heart J** 1983 May;4(5):328–32

[Acute acebutolol poisoning. Apropos of a case with assays of unchanged acebutolol and its metabolites (letter)] Jean P, et al. **Therapie** 1984 Jan–Feb;39(1):49–50 **(Fre)**

THERAPEUTIC USE

Comparative effects of oral acebutolol and propranolol at rest and during exercise in ischemic heart disease: double–blind placebo crossover study utilizing radionuclide ventriculography. Kaul S, et al. **Am Heart J** 1984 Sep;108(3 Pt 1):469–74

Comparison of the antiarrhythmic effects of acebutolol and propranolol in the treatment of ventricular arrhythmias. Glasser SP, et al. **Am J Cardiol** 1983 Nov 1;52(8):992–5

Effect of acebutolol on left ventricular hemodynamics and anatomy in systemic hypertension. Trimarco B, et al. **Am J Cardiol** 1984 Mar 1;53(6):791–6

Dose–response effects of cardioselective beta blockade in coronary artery disease. Silke B, et al. **Clin Pharmacol Ther** 1984 Jul;36(1):40–6

Comparison of efficacy of a single daily dose of 400 mg acebutolol and 100 mg atenolol in the treatment of arterial hypertension. Turner AS, et al. **Curr Med Res Opin** 1983; 8(8):570–6

Platelet activation after adrenergic stimulation in hypertensive patients: effects of acebutolol. Davi' G, et al. **Eur Heart J** 1983 May;4(5):295–9

Comparative haemodynamic dose–response effects of intravenous propranolol, acebutolol and penbutolol in angina pectoris. Silke B, et al. **Herz** 1984 Feb;9(1):57–64

Treatment of essential hypertension with beta–blocker plus diuretic: a study of 1402 patients treated by general practitioners with acebutolol 200 mg combined with hydrochlorothiazide 12.5 mg ('Secadrex') once daily for 3 months. McGowan GK, et al. **J Int Med Res** 1984; 12(2):87–91

A comparison of acebutolol with methyldopa in hypertensive pregnancy. Williams ER, et al. **Pharmatherapeutica** 1983; 3(7):487–91

[The use of acebutolol in arterial hypertension. Apropos of 31 case records of Senegalese patients] Koaté P, et al. **Dakar Med** 1983;28(2):299–319 (Eng. Abstr.) **(Fre)**

[Comparative study of the effect of the calcium antagonist nifedipine, the beta receptor blockers acebutolol and propranolol and their combination on electrophysiologic parameters in the human] Vey G, et al. **Z Kardiol** 1984 Feb;73(2):101–5 (Eng. Abstr.) **(Ger)**

[Hypertension treatment: weight reduction training or drugs?] Franz IW. **ZFA (Stuttgart)** 1983 Sep 30; 59(27):1477–83 **(Ger)**

[Controlled clinical study on the effects of acebutolol in comparison with hydrochlorothiazide in the aged hypertensive] Novo S, et al. **Boll Soc Ital Cardiol** 1983 May;28(5):399–415 (Eng. Abstr.) **(Ita)**

[Acebutolol as monotherapy of essential arterial hypertension] Mazzaferro S, et al. **Clin Ter** 1984 May 31; 109(4):315–21 (Eng. Abstr.) **(Ita)**

[Acebutolol in arterial hypertension: clinical evaluation] Taglioretti D, et al. **Clin Ter** 1983 Dec 15;107(5):393–400 (Eng. Abstr.) **(Ita)**

[The exercise test in supervision of the effectiveness of acebutolol administration in hypertensive patients] Novaresio M. **Minerva Cardioangiol** 1983 May;31(5):269–74 (Eng. Abstr.) **(Ita)**

[Acebutolol in the treatment of arrhythmia in patients with circulatory failure or bronchial spasm] Raczyński J, et al. **Pol Arch Med Wewn** 1983 Nov–Dec;70(5–6):271–9 (Eng. Abstr.) **(Pol)**

[Evaluation of the antihypertensive efficacy of acebutolol, chlorthalidone and the combination of acebutolol and chlorthalidone in the treatment of mild and moderate primary arterial hypertension] Del Nero Júnior E, et al. **Arq Bras Cardiol** 1983 May;40(5):357–61 (Eng. Abstr.) **(Por)**

[Effects of the combination nifedipine–acebutolol in patients with stable angina pectoris. Comparative double–blind study with the same drugs used separately] Giannini SD, et al. **Arq Bras Cardiol** 1983 Nov;41(5):411–5 (Eng. Abstr.) **(Por)**

[Relation between the effect of sectral and visken in stage 2 hypertension patients and the sensitivity of the nervous system] Lil'in ET, et al. **Klin Med (Mosk)** 1983 Sep; 61(9):85–9 (7 ref.) (Eng. Abstr.) **(Rus)**

[Intravenous acebutolol in supraventricular arrhythmias and ventricular extrasystole. Experience in 22 cases] Yenes A, et al. **Rev Med Chil** 1984 Jan;112(1):32–5 (Eng. Abstr.) **(Spa)**

ACECLIDINE see under **QUINUCLIDINES**

ACEDAPSONE see under **DAPSONE**

ACENAPHTHENES

METABOLISM

Bacterial oxidation of the polycyclic aromatic hydrocarbons acenaphthene and acenaphthylene. Schocken MJ, et al. **Appl Environ Microbiol** 1984 Jul;48(1):10–6

ACENOCOUMARIN see **ACENOCOUMAROL**

ACENOCOUMAROL

ADMINISTRATION & DOSAGE

[Monitoring of anticoagulant treatment in patients with cardiac valvular prostheses] Arboix M, et al. **Arch Farmacol Toxicol** 1983 Apr;9(1):79–82 **(Spa)**

ADVERSE EFFECTS

[Embryopathy induced by oral anticoagulants] Jullian M, et al. **Rev Med Chil** 1983 Oct;111(10):1045–8 (Eng. Abstr.) **(Spa)**

METABOLISM

Active metabolites of acenocoumarol: do they contribute to the therapeutic effect? Thijssen HH, et al. **Br J Clin Pharmacol** 1983 Nov;16(5):491–6

Acenocoumarol and its amino and acetamido metabolites. Comparative pharmacokinetics and pharmacodynamics in the rat. Thijssen HH, et al. **J Pharm Pharmacol** 1983 Dec; 35(12):793–8

PHARMACODYNAMICS

Effect of atenolol and metoprolol on the anticoagulant activity of acenocoumarin. Mantero F, et al. **Br J Clin Pharmacol** 1984;17 Suppl 1:94S–96S

THERAPEUTIC USE

Studies on PIVKA VII. Mariani G, et al. **Haemostasis** 1984; 14(3):238–43

[Long–term anticoagulant therapy in old age] Bán A. **Orv Hetil** 1984 Jan 22;125(4):205–10 (Eng. Abstr.) **(Hun)**

[Laboratory control of patients treated with Syncumar] Boda Z, et al. **Orv Hetil** 1984 Jun 17;125(25):1509–11 (Eng. Abstr.) **(Hun)**

[Results of ambulatory follow–up of patients after myocardial infarction treated with platelet aggregation inhibitors and antithrombotic drugs] Markiewicz M, et al. **Pol Tyg Lek** 1983 Nov 28;38(48):1501–3 (Eng. Abstr.) **(Pol)**

ACEPROMAZINE

Effect of atropine sulfate on tear production in the cat when used with ketamine hydrochloride and acetylpromazine maleate. Arnett BD, et al. **J Am Vet Med Assoc** 1984 Jul 15;185(2):214–5

ANTAGONISTS & INHIBITORS

Acepromazine–xylazine combination in dogs: antagonism with 4–aminopyridine and yohimbine. Cronin MF, et al. **Am J Vet Res** 1983 Nov;44(11):2037–42

PHARMACODYNAMICS

Combined use of sedatives and opiates in horses. Nolan AM, et al. **Vet Rec** 1984 Jan 21;114(3):63–7

THERAPEUTIC USE

Cyclonite poisoning in a dog [letter] Croft PE. **Vet Rec** 1983 Nov 12;113(20):477

ACETABULARIA see under **ALGAE, GREEN**

ACETABULUM

Complications of a total hip prosthesis revealing a renal cell carcinoma. Katzner M, et al. **Arch Orthop Trauma Surg** 1983;102(2):126–7

A preliminary review of the Müller acetabular and Burch–Schneider antiprotrusio support rings. Schatzker J, et al. **Arch Orthop Trauma Surg** 1984;103(1):5–12

Osteocartilaginous lesion of the acetabulum resembling osteoid osteoma. Aprin H, et al. **Clin Orthop** 1984 Jul–Aug; (187):211–4

Acetabular osteomyelitis in children. Gamble JG, et al. **Clin Orthop** 1984 Jun;(186):71–4

Ipsilateral fracture of the head and neck of femur with partial fusion to the acetabulum. Iwegbu CG. **Injury** 1983 Sep; 15(2):113–4

An unusual pelvic lesion [clinical conference] Herring JA, et al. **J Pediatr Orthop** 1984 Jan;4(1):129–32

[Osteochondrosis and osteochondronecrosis of the roof of the acetabulum] Niethard FU. **Z Orthop** 1984 Jan–Feb; 122(1):94–8 (Eng. Abstr.) **(Ger)**

[Is reconstruction of the acetabulum possible in old fracture–dislocations] Denischi A, et al. **Rev Chir [Chir]** 1984 Mar–Apr;39(2):81–6 **(Rum)**

ABNORMALITIES

Hip pain caused by cystic deformation of the labrum acetabulare. Ueo T, et al. **Arthritis Rheum** 1984 Aug; 27(8):947–50

[Femur head reimplantation in the reconstruction of dysplastic acetabula] Seiwert W. **Z Orthop** 1983 Sep–Oct; 121(5):596–600 (Eng. Abstr.) **(Ger)**

BLOOD SUPPLY

Salter innominate osteotomy. The effect of blood supply to the roof of the acetabulum. Kasselt MR, et al. **Clin Orthop** 1984 Mar;(183):262–6

INJURIES

CT of acetabular fractures: postoperative appearances. Mack LA, et al. **AJR** 1983 Nov;141(5):891–4

Prolonged ileus after severe pelvic fracture. Hurt AV, et al. **Am J Surg** 1983 Dec;146(6):755–7

Computerized tomography in the evaluation and classification of fractures of the acetabulum. St. Pierre RK, et al. **Clin Orthop** 1984 Sep;(188):234–7

Acetabular component migration following traumatic total hip dislocation. A case report. Woolson ST. **Clin Orthop** 1984 Jun;(186):42–4

Triple fracture–dislocation of the lower limb. Malimson PD. **Injury** 1984 Jul;16(1):11–2

Central fracture of the acetabulum: adjunctive innominate osteotomy as an aid in operative reduction. Case report. Winter WG Jr, et al. **J Bone Joint Surg [Am]** 1984 Jan; 66(1):130–2

Experience with acetabular fractures. Hofmann AA, et al. **J Trauma** 1984 Aug;24(8):750–2

Computed tomography in the management of acetabular fractures. Griffiths HJ, et al. **Skeletal Radiol** 1984; 11(1):22–31

[Retrospective study of a continuous series of 226 acetabular fractures] Colinet J, et al. **Acta Orthop Belg** 1984 May–Jun; 50(3):406–15 (Eng. Abstr.) **(Fre)**

[Acetabular fractures. Intra–articular reconstruction by spongy bone grafts] Danis A, et al. **Acta Orthop Belg** 1984 May–Jun;50(3):391–6 (Eng. Abstr.) **(Fre)**

[Acetabular fractures—articular congruence and therapeutic indications] Duquennoy A, et al. **Acta Orthop Belg** 1984 May–Jun;50(3):343–55 (Eng. Abstr.) **(Fre)**

[Place of x–ray computed tomography in the diagnosis and treatment of acetabular fractures] Labbe JL, et al. **Acta Orthop Belg** 1984 May–Jun;50(3):310–23 (Eng. Abstr.) **(Fre)**

[Lateral approach in the treatment of acetabular fractures] Letournel E. **Acta Orthop Belg** 1984 May–Jun;50(3):381–90 (Eng. Abstr.) **(Fre)**

[Results of surgical treatment of acetabular fractures] Letournel E. **Acta Orthop Belg** 1984 May–Jun;50(3):423–33 (Eng. Abstr.) **(Fre)**

[Long–term results of surgery of acetabular fractures] Senegas J. **Acta Orthop Belg** 1984 May–Jun;50(3):366–80 (Eng. Abstr.) **(Fre)**

[Complications of fracture–luxations of the hip] Troncoso J, et al. **Acta Orthop Belg** 1984 May–Jun;50(3):417–22 (Eng. Abstr.) **(Fre)**

[X–ray computed tomography in fractures of the acetabulum] Fischer L, et al. **Rev Chir Orthop** 1984;70 Suppl 2:84–9 **(Fre)**

[Computed tomographic classification of acetabular fractures] Marincek B, et al. **Radiologe** 1984 May;

24(5):205–10 (Eng. Abstr.) (Ger)
[Anatomy and roentgenology of the normal and injured acetabulum] Schild H, et al. **Rontgenblatter** 1984 Jun; 37(6):228–35 (Eng. Abstr.) (Ger)
[Hip dislocation fracture] Müller G.
Z Unfallchir Versicherungsmed Berufskr 1983;76(3):171–2 (Ger)
[Management of acetabulum fractures] Benedetto KP, et al. **ZFA (Stuttgart)** 1983 Nov 10;59(31):1739–42 (Ger)
[Technico-surgical strategies in the treatment of transcotyloid fractures] Gusso MI, et al.
Arch Putti Chir Organi Mov 1983;33:271–7 (Eng. Abstr.) (Ita)
[The modified cobra plate in coxo-femoral arthrodesis] Zinghi GF. **Chir Organi Mov** 1982–83;68(1):79–83 (Eng. Abstr.) (Ita)
[Treatment fractures of the rim of the acetabulum] Buachidze OSh. **Khirurgiia (Mosk)** 1984 Jan;(1):9–12 (Eng. Abstr.) (Rus)
[Functional method of treating fractures of the cotyloid cavity complicated by central dislocation of the femur] Iumashev GS, et al. **Vestn Khir** 1984 Feb;132(2):67–8 (Rus)
[Clinical picture and therapy of acetabular fractures in patients with associated and multiple injuries] Luchko GD, et al. **Vestn Khir** 1983 Aug;131(8):112–5 (Eng. Abstr.) (Rus)

METABOLISM

Incorporation of bone graft covered with methylmethacrylate onto acetabular wall. An experimental study. Roffman M, et al. **Acta Orthop Scand** 1983 Aug; 54(4):580–3

PATHOLOGY

Trabecular microfractures in the acetabulum. Histologic studies in cadavers. Ohtani T, et al. **Acta Orthop Scand** 1984 Aug;55(4):419–22
Mittelmeier's prosthesis: histological and microradiographic study two years after operation. Brach del Prever E, et al. **Ital J Orthop Traumatol** 1984 Jun;10(2):261–5
Mittelmeier hip prosthesis autopsy study 2 years after implantation. Brach del Prever E, et al.
Ital J Orthop Traumatol 1983 Sep;9(3):397–400
Prevention of acetabular erosion after hemiarthroplasty for fractured neck of femur. Devas M, et al.
J Bone Joint Surg [Br] 1983 Nov;65(5):548–51
Acetabular dysplasia and hip dislocation after selective premature fusion of the triradiate cartilage. An experimental study in rabbits. Gepstein R, et al.
J Bone Joint Surg [Br] 1984 May;66(3):334–6
Acetabular erosion and the Monk 'hard top' hip prosthesis. Leyshon RL, et al. **J Bone Joint Surg [Br]** 1984 Mar; 66(2):172–4
[Pathomorphology of intraosseous 'cysts' in degenerative-deforming changes in the hip joint in the light of the literature] Jaeloński M.
Chir Narzadow Ruchu Ortop Pol 1983;48(4):349–52 (25 ref.) (Eng. Abstr.) (Pol)

PHYSIOLOGY

[Biomechanics of the acetabulum] Teinturier P, et al.
Rev Chir Orthop 1984;70 Suppl 2:41–6 (Fre)

RADIOGRAPHY

Protrusio acetabuli: radiographic appearance in arthritis and other conditions. Edelstein G, et al. **Arthritis Rheum** 1983 Dec;26(12):1511–6
Radiographic assessment of acetabular cup orientation. A new design concept. Chandler DR, et al. **Clin Orthop** 1984 Jun;(186):60–4
A long-term follow-up of Legg-Calvé-Perthes disease. McAndrew MP, et al. **J Bone Joint Surg [Am]** 1984 Jul; 66(6):860–9
Problems in the early recognition of hip dysplasia. Davies SJ, et al. **J Bone Joint Surg [Br]** 1984 Aug;66(4):479–84
Protrusio acetabuli in sickle-cell anemia. Martinez S, et al. **Radiology** 1984 Apr;151(1):43–4
[Charnley type total hip replacement. Radiological technic of angular measurements of the acetabulum. Anteversion, inclination. Use of microcomputers] Chevrot A, et al.
J Radiol 1983 Nov;64(11):603–6 (Eng. Abstr.) (Fre)
[Charnley-type total hip prosthesis. Radiological technic of angular measurements of the acetabular piece (anteversion)] Chevrot A, et al. **Rev Chir Orthop** 1983;69(6):483–5 (Eng. Abstr.) (Fre)
[Changes of the acetabular cartilage following experimental subluxation of the hip joint in rabbits] Yamamoto N.
Nippon Seikeigeka Gakkai Zasshi 1983 Nov;57(11):1741–53 (Eng. Abstr.) (Jpn)

SURGERY

Experimentally produced growth disturbance of the acetabulum in young rabbits. Soini J, et al.
Acta Orthop Scand 1984 Feb;55(1):14–7
Reconstruction of the acetabular wall with bone graft in arthroplasty of the hip. Mendes DG, et al. **Clin Orthop** 1984 Jun;(186):29–37
Evaluation of bone cement failure criteria with applications to the acetabular region. Vasu R, et al. **J Biomech Eng** 1983 Nov;105(4):332–7
Rotational acetabular osteotomy for the dysplastic hip. Ninomiya S, et al. **J Bone Joint Surg [Am]** 1984 Mar; 66(3):430–6
Acetabular augmentation for progressive hip subluxation in cerebral palsy. Zuckerman JD, et al. **J Pediatr Orthop** 1984 Aug;4(4):436–42
A follow-up examination of the function of the lower extremity after pelvic tumour extirpation including the acetabular ring. Olsson E. **Scand J Rehabil Med** 1984; 16(1):17–26
[Acetabuloplasty using pedicle graft of the iliac crest epiphysis in puppies] Teot L, et al. **Int Orthop** 1983;7(1):1–9 (Eng. Abstr.) (Fre)
[Experimental study of a growing acetabulum shelf (vascularized graft)] Clement JL, et al.
Rev Chir Orthop 1983;69(6):433–46 (Eng. Abstr.) (Fre)
[Method of transposition of the acetabular vault in children] Mironov AM. **Ortop Travmatol Protez** 1984 Apr;(4):58–9 (Rus)
[Securing the pelvic portion of hip joint endoprostheses by the Sivash system] Shenderov VA.
Ortop Travmatol Protez 1983 Sep;(9):21–4 (Eng. Abstr.) (Rus)

ACETABUTONE see under **BUTYROPHENONES**

ACETALDEHYDE

A study of the interaction of glycine and its oligohomopeptides with formaldehyde and acetaldehyde under possible primitive earth conditions. Ivanov CP, et al. **Orig Life** 1983 Dec;13(2):97–108

ADVERSE EFFECTS

Evaluation of the differential in vivo toxic effects of ethanol and acetaldehyde on the hypothalamic-pituitary-gonadal axis using 4-methylpyrazole. Gavaler JS, et al.
Alcoholism (NY) 1983 Summer;7(3):332–6
The polymorphisms of alcohol and aldehyde dehydrogenase and their significance for acetaldehyde toxicity. Von Wartburg JP, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:123–5
[Cardionecrotic effect of ethanol, acetaldehyde and teturam in acute experiments on rats] Zabirova IG. **Kardiologiia** 1983 Sep;23(9):90–2 (Eng. Abstr.) (Rus)

ANALOGS & DERIVATIVES

Receptor-independent low-density lipoprotein catabolism. Evaluation of 2-hydroxyacetaldehyde-treated lipoprotein as a probe for its measurement. Slater HR, et al.
Biochim Biophys Acta 1984 Mar 7;792(3):318–23
2-Chloroacetaldehyde: a metabolite of cyclophosphamide in the rat. Shaw IC, et al. **Cancer Treat Rev** 1983 Sep;10 Suppl A:17–24
Gyromitrin (acetaldehyde formylmethylhydrazone).
IARC Monogr Eval Carcinog Risk Chem Hum 1983 Jul; 31:163–70
Methylation of deoxyribonucleic acid in the rat by the mushroom poison gyromitrin. Hayman E, et al.
J Agric Food Chem 1983 Sep-Oct;31(5):1117–21
Reductive hydroxyethylation of hemoglobin A. Functional properties of hemoglobin A selectively hydroxyethylated or dihydroxypropylated at the alpha-amino groups. Acharya AS, et al. **J Biol Chem** 1983 Nov 25; 258(22):13761–7
The determination of metaldehyde in biological material by head-space gas chromatography. Griffiths CJ.
J Chromatogr 1984 Jul 6;295(1):240–7
Long-range conformational transition in yeast tRNAPhe, induced by the Y-base removal and detected by chloroacetaldehyde modification. Krzyżosiak WJ, et al.
Nucleic Acids Res 1983 Oct 11;11(19):6913–21
2-Chloroacetaldehyde, a metabolite of cyclophosphamide in the rat. Shaw IC, et al. **Xenobiotica** 1983 Jul;13(7):433–7

ANALYSIS

An improved method for collecting breath for the assay of acetaldehyde. Phillips M, et al. **Alcoholism (NY)** 1984 May-Jun;8(3):293–6
A simple spectrophotometric determination of formaldehyde and other aldehydes: application to periodate-oxidized glycol systems. Avigad G. **Anal Biochem** 1983 Oct 15; 134(2):499–504
Determination of formaldehyde and acetaldehyde (as cyanohydrins) in water by gas chromatography. Improta C, et al. **J Chromatogr** 1984 Mar 2;285(2):385–8
[Determination of acetaldehyde in biological fluids] Uspenskiĭ AE, et al. **Farmakol Toksikol** 1984 May-Jun;47(3):119–22 (51 ref.) (Rus)

BIOSYNTHESIS

Metabolism of paraldehyde to acetaldehyde in liver microsomes. Evidence for the involvement of cytochrome P-450. Zaleska MM, et al. **Biochem Pharmacol** 1983 Dec 15;32(24):3749–54

BLOOD

Elimination of artifactual acetaldehyde in the measurement of human blood acetaldehyde by the use of polyethylene glycol and sodium azide: normal blood acetaldehyde levels in the dog and human after ethanol. DeMaster EG, et al.
Alcoholism (NY) 1983 Fall;7(4):436–42
Accumulation of acetaldehyde in alcohol-sensitive Japanese: relation to ethanol and acetaldehyde oxidizing capacity. Inoue K, et al. **Alcoholism (NY)** 1984 May-Jun;8(3):319–22
Cardiovascular effects of acetaldehyde accumulation after ethanol ingestion: their modification by beta-adrenergic blockade and alcohol dehydrogenase inhibition. Kupari M, et al. **Alcoholism (NY)** 1983 Summer;7(3):283–8
Comparison of rat blood preparation methods for acetaldehyde assay. La Droitte P, et al. **Anal Biochem** 1983 Nov;135(1):180–5
Determination of acetaldehyde in human blood using thiourea to inhibit ethanol interference. Iversen HL, et al. **Clin Chim Acta** 1983 Dec 15;135(2):151–8
Sex differences in the metabolism of ethanol and acetaldehyde in normal subjects. Arthur MJ, et al.
Clin Sci 1984 Oct;67(4):397–401
Roles of chlorpropamide, alcohol and acetaldehyde in determining the chlorpropamide-alcohol flush. Groop L, et al. **Diabetologia** 1984 Jan;26(1):34–8
Blood acetaldehyde levels in alcohol-dosed rats after treatment with ANIT, ANTU, dithiocarbamate derivatives, or cyanamide. García de Torres G, et al.
Drug Chem Toxicol 1983;6(4):317–28
Acetaldehyde-mediated alcohol sensitivity and elevation of plasma catecholamine in man. Adachi J, et al.
Jpn J Pharmacol 1983 Jun;33(3):531–9
Survival after a blood acetaldehyde concentration of 1750 micrograms/dl [letter] Kobayashi M, et al. **Lancet** 1983 Nov 12;2(8359):1138
Lack of difference in blood acetaldehyde of alcoholics and controls after ethanol ingestion. Eriksson CJ, et al.
Pharmacol Biochem Behav 1980;13 Suppl 1:101–5
Evidence against a biphasic effect of acetaldehyde on voluntary ethanol consumption in rats. Eriksson CJ, et al.
Pharmacol Biochem Behav 1980;13 Suppl 1:291–6
Human blood acetaldehyde concentration during ethanol oxidation (update 1982). Eriksson CJ.
Pharmacol Biochem Behav 1983;18 Suppl 1:141–50
Pharmacogenetics of alcohol sensitivity. Goedde HW, et al.
Pharmacol Biochem Behav 1983;18 Suppl 1:161–6
Blood ethanol and acetaldehyde levels in Japanese alcoholics and controls. Harada S, et al.
Pharmacol Biochem Behav 1983;18 Suppl 1:139–40
Elevated blood acetaldehyde in alcoholics with accelerated ethanol elimination. Lindros KO, et al.
Pharmacol Biochem Behav 1980;13 Suppl 1:119–24
Aldehyde oxidizing capacity of erythrocytes in normal and alcoholic individuals. Maring JA, et al.
Pharmacol Biochem Behav 1983;18 Suppl 1:135–8
Oxidation of acetaldehyde and presence of aldehyde dehydrogenase in rat erythrocytes. Weiner H, et al.
Pharmacol Biochem Behav 1983;18 Suppl 1:167–70
Sudden death during disulfiram-ethanol reaction [letter] van Ieperen L. **S Afr Med J** 1984 Aug 4;66(5):165

METABOLISM

Effects of chronic ethanol feeding and acetaldehyde metabolism on calcium transport by rat liver mitochondria. Korsten MA, et al. **Biochem Biophys Res Commun** 1983 Nov 30;117(1):169–75
Acetaldehyde formation by mitochondria from the free-living nematode Panagrellus redivivus. Barrett J, et al. **Biochem J** 1984 Jul 15;221(2):535–40
Oxidation of formaldehyde and acetaldehyde by NAD+-dependent dehydrogenases in rat nasal mucosal homogenates. Casanova-Schmitz M, et al.
Biochem Pharmacol 1984 Apr 1;33(7):1137–42
Blood and liver acetaldehyde concentrations during ethanol oxidation in C57 and DBA mice. Eriksson CJ, et al.
Biochem Pharmacol 1984 Jul 15;33(14):2213–6
Acetaldehyde-hemoglobin adducts: an unreliable marker of alcohol abuse. Homaidan FR, et al. **Clin Chem** 1984 Mar; 30(3):480–2
Influence of cefoperazone on ethanol and acetaldehyde metabolism in vitro. Greizerstein HB, et al.
J Antibiot (Tokyo) 1984 Feb;37(2):167–71
Acetaldehyde, liver injury, and jejunoileal bypass [letter] Holt PR, et al. **Lancet** 1983 Oct 22;2(8356):971
Metabolic factors and preference for ethanol. Ostrovsky YuM, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:531–5
Metabolic heterogeneity in the perfused rat liver. Thurman RG, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:415–9
Determination of the proximate teratogen of the mouse fetal alcohol syndrome. 2. Pharmacokinetics of the placental transfer of ethanol and acetaldehyde. Blakley PM, et al.
Toxicol Appl Pharmacol 1984 Feb;72(2):364–71

PHARMACODYNAMICS

Acetaldehyde influences glucose 1,6-bisphosphate level of human erythrocytes in vitro and in vivo. Ninfali P, et al.
Acta Haematol (Basel) 1984;71(4):241–6
In vitro metabolism of propoxyphene in rat liver: reaction of a carbinol metabolite with acetaldehyde. Hermansson I, et al. **Acta Pharmacol Toxicol (Copenh)** 1983 Oct; 53(4):257–64
Effect of acetaldehyde and cyanamide on the metabolism of formaldehyde by hepatocytes, mitochondria, and soluble

supernatant from rat liver. Dicker E, et al. **Arch Biochem Biophys** 1984 Jul;232(1):179–88

The effect of ethanol and/or acetaldehyde on the incorporation of U14C-glucose into human umbilical artery lipids [letter] Kent WC Jr, et al. **Artery** 1983;11(6):478–81

Selective fetal malnutrition: the effect of nicotine, ethanol, and acetaldehyde upon in vitro uptake of alpha-aminoisobutyric acid by human term placental villous slices. Fisher SE, et al. **Dev Pharmacol Ther** 1984; 7(4):229–38

Implication of the placenta in acetaldehyde-induced intrauterine growth retardation. Sreenathan RN, et al. **Drug Alcohol Depend** 1984 Mar;13(2):199–204

Ethanol preference in rats with a prior history of acetaldehyde self-administration. Myers W, et al. **Experientia** 1984 Sep 15;40(9):1008–10

Acetaldehyde and lactate stimulate collagen synthesis of cultured baboon liver myofibroblasts. Savolainen ER, et al. **Gastroenterology** 1984 Oct;87(4):777–87

Acetaldehyde binds to liver cell membranes without affecting membrane function. Barry RE, et al. **Gut** 1984 Apr; 25(4):412–6

Altered proline uptake by mouse liver cells after chronic exposure to ethanol and its metabolites. Mendenhall CL, et al. **Gut** 1984 Feb;25(2):138–44

Effect of acetaldehyde on hepatic gluconeogenesis. Prasanna CV, et al. **Indian J Exp Biol** 1983 Nov;21(11):620–2

Thiamin depletion after ethanol and acetaldehyde administration to rabbits. Takabe M, et al. **J Nutr Sci Vitaminol (Tokyo)** 1983 Oct;29(5):509–14

Inhibition of ethanol- and aldehyde-induced release of ethane from isolated perfused rat liver by pargyline and disulfiram. Müller A, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:429–32

Effects of ethanol metabolites on intermediary metabolism in heart muscle. Peuhkurinen KJ, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:279–83

TOXICITY

Determination of the proximate teratogen of the mouse fetal alcohol syndrome. 1. Teratogenicity of ethanol and acetaldehyde. Blakley PM, et al. **Toxicol Appl Pharmacol** 1984 Feb;72(2):355–63

Subcellular aldehyde dehydrogenase activity and acetaldehyde oxidation by isolated intact mitochondria of rat brain and liver after acetaldehyde treatment. Shiohara E, et al. **Toxicology** 1984 Feb 14;30(1):25–30

Inhalation toxicity of acetaldehyde in rats. II. Carcinogenicity study: interim results after 15 months. Woutersen RA, et al. **Toxicology** 1984 May 14;31(2):123–33

[Data on establishing the maximum permissible concentration of acetaldehyde in soil] Sergienko LI. **Gig Sanit** 1984 Feb; (2):69–72 **(Rus)**

[Embryotoxic and mutagenic activity of ethanol and acetaldehyde in intra-amniotic exposure] Bariliak IR, et al. **Tsitol Genet** 1983 Sep–Oct;17(5):57–60 (Eng. Abstr.) **(Rus)**

URINE

Artifactual production and recovery of acetaldehyde from ethanol in urine. Giles HG, et al. **Can J Physiol Pharmacol** 1983 Jul;61(7):717–21

Urinary excretion products after the administration of 14C-acetaldehyde to rats. Kallama S, et al. **J Appl Toxicol** 1983 Dec;3(6):313–6

ACETALS

Application of N,N-dimethylformamide dineopentyl acetal for efficient anchoring of N alpha-9-fluorenylmethyloxycarbonylamino acids as p-alkoxybenzyl esters in solid-phase peptide synthesis. Albericio F, et al. **Int J Pept Protein Res** 1984 Apr; 23(4):342–9

CHEMICAL SYNTHESIS

Synthesis and pharmacological properties of some 16 alpha,17 alpha-acetals of 16 alpha-hydroxyhydrocortisone, 16 alpha-hydroxyprednisolone and fluorinated 16 alpha-hydroxyprednisolones. Thalén A, et al. **Acta Pharm Suec** 1984;21(2):109–24

ACETAMIDES

Compatibility of plastic infusion devices with diluted N-methylformamide and N,N-dimethylacetamide. Vishnuvajjala BR, et al. **Am J Hosp Pharm** 1984 Jun; 41(6):1160–3

BLOOD

Radioreceptor assay for serum levels of cetamolol, a new beta-adrenoceptor antagonist. Stern MD. **Clin Biochem** 1984 Jun;17(3):162–5

Measurement of 2-amino-N-(1,1-dimethylhexyl)acetamide (A643C), an investigative antidepressant, in plasma by electron-capture gas chromatography. Parsons DN. **J Chromatogr** 1983 Aug 12;276(1):197–201

[Identification of metabolites of an antiamebic agent in rat serum] Cozzi P, et al. **Farmaco [Prat]** 1983 Sep;38(9):344–51 (Eng. Abstr.) **(Ita)**

CHEMICAL SYNTHESIS

Thiono compounds. 3. Chemical oxidation of thioacetamide to a mutagenic S-oxide. Breau AP, et al. **Mutat Res** 1984 Jan;139(1):1–4

METABOLISM

Distribution and excretion of a new insect repellent, 14C-DEM, in the mouse after intravenous, cutaneous, and oral administration. Thorsell W, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Jan;54(1):41–8

A kinetic evaluation of 14CO2 in expired air after 14C-methacetin administration in rats, used for the in vivo study of the metabolism of drugs. Thornhill DP, et al. **Eur J Drug Metab Pharmacokinet** 1984 Apr–Jun;9(2):161–8

Conversion of 2-hydroxy-4-(methylthio)butanoic acid to L-methionine in the chick: a stereospecific pathway. Dibner JJ, et al. **J Nutr** 1984 Sep;114(9):1716–23

PHARMACODYNAMICS

Influence of experimental liver injury on rat blood and alveolar bone under stress. Lassila V, et al. **Acta Anat (Basel)** 1984;118(2):116–21

New inhibitors of alcohol dehydrogenase: studies in vivo and in vitro in the rat. Delmas C, et al. **Alcoholism (NY)** 1983 Summer;7(3):264–70

Anticonvulsant activity of milacemide. van Dorsser W, et al. **Arch Int Pharmacodyn Ther** 1983 Dec;266(2):239–49

Effects of differentiation inducers on diphenylhexatriene fluorescence polarization in intracytoplasmic and plasma membranes from Friend erythroleukemia cells. Billard C, et al. **Biochem Biophys Res Commun** 1983 Nov 30; 117(1):294–8

Formation of cytochrome P-450 containing haem or cobalt-protoporphyrin in liver homogenates of rats treated with phenobarbital and allylisopropylacetamide. Bonkovsky HL, et al. **Biochem J** 1984 Sep 1;222(2):453–62

Effect of thioacetamide on cytochrome P-450 synthesis in rat liver. Satyabhama S, et al. **Biochem J** 1984 Mar 1; 218(2):371–7

Effect of 1,3-diaminopropane on ornithine decarboxylase enzyme protein in thioacetamide-treated rat liver. Seely JE, et al. **Biochem J** 1983 Dec 15;216(3):701–7

Effect of milacemide, a glycinamide derivative, on the rat brain gamma-aminobutyric acid system. de Varebeke PJ, et al. **Biochem Pharmacol** 1983 Sep 15;32(18):2751–5

Effect of heme on allylisopropylacetamide-induced changes in heme and drug metabolism in the rhesus monkey (Macaca mulatta). Muller-Eberhard U, et al. **Biochem Pharmacol** 1983 Dec 15;32(24):3765–9

Statistical analysis of single sodium channels. Effects of N-bromoacetamide. Horn R, et al. **Biophys J** 1984 Jan; 45(1):323–35

Muscarinic receptor occupation and receptor activation in the guinea-pig ileum by some acetamides related to oxotremorine. Ringdahl B. **Br J Pharmacol** 1984 May; 82(1):269–74

Cetamolol: a new cardioselective beta-adrenoceptor blocking agent without membrane-stabilizing activity. Beaulieu G, et al. **Can J Physiol Pharmacol** 1984 Mar;62(3):302–8

Cetamolol: cardiovascular effects of a new cardioselective beta-adrenoceptor blocker possessing partial agonistic activity and lacking membrane-stabilizing activity. Beaulieu G, et al. **Can J Physiol Pharmacol** 1984 Jun; 62(6):610–6

In vitro studies on cetamolol, a new potent cardioselective beta-adrenoceptor blocking agent with intrinsic sympathomimetic activity. Grimes D, et al. **Can J Physiol Pharmacol** 1983 Oct;61(10):1109–15

A comparative study of the acute effects of cetamolol (AI-27,303), atenolol, propranolol, and dexpropranolol on blood pressure, sympathetic nerve and ganglion activity of cats. Jaramillo J. **Can J Physiol Pharmacol** 1983 Jul; 61(7):693–8

Restoration of normal ornithine decarboxylase antizyme activity in rat liver after acute carcinogen treatment. Scalabrino G, et al. **Carcinogenesis** 1983 Dec;4(12):1663–4

Releasing effect of thymidine on G1 phase arrest of erythroleukemia cells caused by FUDR and HMBA. Bin X, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Jun;5(2):133–7

Cytochemical analysis of the chromatin of liver cell nuclei and nuclei of oval cells by means of the Feulgen hydrolysis curve in rats treated by thioacetamide. Praet M, et al. **Cytometry** 1984 Jul;5(4):364–7

Complementation analyses of differentiation-defective embryonal carcinoma cells. McCue PA, et al. **Dev Biol** 1984 Jun;103(2):399–408

Evidence that 2-allyl-2-isopropylacetamide, phenobarbital and 3,5-diethoxycarbonyl-1,4-dihydrocollidine induce the same cytochrome P450 mRNA in chick embryo liver. Brooker JD, et al. **Eur J Biochem** 1983 Nov 2;136(2):327–32

Temperature-dependent alteration of insulin by plasma or serum from rats with N-methylacetamide-induced diabetes. Guidoux R, et al. **Eur J Pharmacol** 1984 Feb 10; 98(1):19–26

Acetylated diamines inhibit endotoxin-induced lymphocyte activation. Ryan JL, et al. **J Immunol** 1984 Apr; 132(4):1888–91

The effect of a low protein diet on the response of rat colonic and hepatic ornithine decarboxylase activity to sodium deoxycholate and thioacetamide treatment. Siegler JM, et al. **J Nutr** 1984 Mar;114(3):574–80

Induction of heme oxygenase and inhibition of delta-aminolevulinic acid synthetase of rat liver by thioacetamide and thioacetamide-S-oxide. Matsuura Y, et al. **J Pharmacobiodyn** 1983 May;6(5):340–5

Early clinical pharmacological trials with a new anti-epileptic, milacemide, using pharmaco-EEG and psychometry. Saletu B, et al. **Methods Find Exp Clin Pharmacol** 1984 Jun;6(6):317–30

The allylisopropylacetamide and novonal prosthetic heme adducts. Ortiz de Montellano PR, et al. **Mol Pharmacol** 1984 Mar;25(2):310–7

The effect of thioacetamide on sulfobromophthalein and ouabain transport in isolated rat hepatocytes. Brown DJ, et al. **Toxicology** 1984 Aug;32(2):165–76

Effect of thioacetamide on the susceptibility of rats to Entamoeba histolytica infection [letter] Srivastova R, et al. **Trans R Soc Trop Med Hyg** 1984;78(3):410

Influence of allylisopropylacetamide and phenobarbital treatment on in vivo antipyrine metabolite formation in rats. Teunissen MW, et al. **Xenobiotica** 1983 Aug; 13(8):497–502

[Study on a new molluscicide, bromoacetamide] Zhu DP, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1984;2(1):17–20 (Eng. Abstr.) **(Chi)**

[Labeling cerebral activity with 3H-deoxyglucose after milacemide administration in the rat] Van den Bosch de Aguilar P, et al. **Acta Neurol Belg** 1984 Jan–Feb;84(1):21–5 (Eng. Abstr.) **(Fre)**

POISONING

Thioacetamide-induced hepatic encephalopathy in the rat. I. Preliminary morphological and biochemical observations. Hilgier W, et al. **Neuropatol Pol** 1983; 21(4):487–94

Thioacetamide-induced hepatic encephalopathy in the rat. II. Cytochemical and ultrastructural studies on astrocytes cultured in vitro. Kraśnicka Z, et al. **Neuropatol Pol** 1983; 21(4):495–510

[Thioacetamide-induced hepatic encephalopathy in the rat. III Ammonia level and its metabolic substrates in the brain] Hilgier W. **Neuropatol Pol** 1983;21(4):511–8 (Eng. Abstr.) **(Pol)**

TOXICITY

Late preventive effects on dimethylnitrosamine, thioacetamide or galactosamine-induced liver necrosis of the inhibitor of proteases, phenylmethylsulfonyl fluoride. de Ferreyra EC, et al. **Res Commun Chem Pathol Pharmacol** 1983 Dec;42(3):505–8

Prevention of thioacetamide-induced liver necrosis by prior administration of substrates of microsomal flavin-containing monooxygenase. De Ferreyra EC, et al. **Toxicol Lett** 1983 Aug;18(1–2):127–31

Potentiation of thioacetamide-induced hepatotoxicity in alloxan- and streptozotocin-diabetic rats. El-Hawari AM, et al. **Toxicol Lett** 1983 Jul;17(3–4):293–300

Early changes in thioacetamide-induced liver damage. Trennery PN, et al. **Toxicol Lett** 1983 Dec;19(3):299–307

Role of the microsomal FAD-containing monooxygenase in the liver toxicity of thioacetamide S-oxide. Chieli E, et al. **Toxicology** 1984 May 1;31(1):41–52

Qualitative and quantitative changes in hepatic lipoprotein particles following acute injury of the rat liver induced by thioacetamide. Franke H, et al. **Virchows Arch [Cell Pathol]** 1983;44(1):99–113

[Age dependence of the early reaction in glycosaminoglycan metabolism of the rat liver on damage following a single dose of thioacetamide] Willemer S, et al. **Z Gerontol** 1984 May–Jun;17(3):150–6 (Eng. Abstr.) **(Ger)**

2-ACETAMIDOFLUORENE see **2-ACETYLAMINOFLUORENE**

ACETAMIDOPHENOL see **ACETAMINOPHEN**

ACETAMINOPHEN

Radial and axial tensile strength and strength variability of paracetamol tablets. Alderborn G, et al. **Acta Pharm Suec** 1984;21(1):1–8

The effect of the Tylenol scare on parent's use of over-the-counter drugs. Dershewitz RA, et al. **Clin Pediatr (Phila)** 1984 Aug;23(8):445–8

Influence of acetaminophen-induced hepatic necrosis on the pharmacokinetics of levonorgestrel. Gommaa AA, et al. **Contraception** 1983 Aug;28(2):149–57

ADMINISTRATION & DOSAGE

Comparison of paracetamol and pentazocine suppositories for pain relief after tonsillectomy in adults. Saarnivaara L. **Acta Anaesthesiol Scand** 1984 Jun;28(3):315–8

Effect of a combination of orphenadrine/paracetamol tablets ('Norgesic') on myalgia: a double-blind comparison with placebo in general practice. Høivik HO, et al. **Curr Med Res Opin** 1983;8(8):531–5

Paracetamol plus metoclopramide ('Paramax') as an adjunct analgesic in the treatment of arthritis. Matts SG, et al. **Curr Med Res Opin** 1983;8(8):547–52

Comparison of a traditional paracetamol medication and a new paracetamol/paracetamol-methionine ester

combination. Skoglund LA, et al. **Eur J Clin Pharmacol** 1984;26(5):573–7

An appraisal of codeine as an analgesic: single-dose analysis. Honig S, et al. **J Clin Pharmacol** 1984 Feb–Mar; 24(2–3):96–102

Analgesic efficacy after single and repeated doses of codeine and acetaminophen. Quiding H, et al. **J Clin Pharmacol** 1984 Jan;24(1):27–34

Pediatric dosing of acetaminophen. Temple AR. **Pediatr Pharmacol (New York)** 1983;3(3–4):321–7

[Comparative study of the analgesic activity of glafenine and a paracetamol-codeine combination in post-operative dental pain] Mayer R, et al. **Bull Group Int Rech Sci Stomatol Odontol** 1984 Jan; 27(1):53–64 (Eng. Abstr.) **(Fre)**

[Hyperthermia in children, efficacy of a drinkable solution of paracetamol] Gautry P, et al. **Sem Hop Paris** 1984 Jan 12;60(1):63–5 (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

Acute liver failure and encephalopathy in a 15-month-old infant. Agran PF, et al. **Am J Dis Child** 1983 Nov; 137(11):1107–14

Elevated SGOT/SGPT ratio in alcoholic patients with acetaminophen hepatotoxicity. Himmelstein DU, et al. **Am J Gastroenterol** 1984 Sep;79(9):718–20

Idiopathic alveolar hypoventilation in Leber's disease. Unusual sensitivity to mild analgesics and diazepam. Hunter AR. **Anaesthesia** 1984 Aug;39(8):781–3

Apparent potentiation of hepatotoxicity from small doses of acetaminophen by phenobarbital [letter] Pirotte JH. **Ann Intern Med** 1984 Sep;101(3):403

Acetaminophen hepatotoxicity. Black M. **Annu Rev Med** 1984;35:577–93 (111 ref.)

Acetaminophen hepatotoxicity associated with alcoholic pancreatitis [letter] Erickson RA, et al. **Arch Intern Med** 1984 Jul;144(7):1509, 1513

Analgesic nephropathy associated with paracetamol. Segasothy M, et al. **Aust NZ J Med** 1984 Feb;14(1):23–6

Ulcer, back pain, and jaundice in an alcoholic. Levinson M. **Hosp Pract** 1983 Oct;18(10):48N, 48S

Acetaminophen hypersensitivity resembling Kawasaki disease. Hurvitz H, et al. **Isr J Med Sci** 1984 Feb; 20(2):145–7

Effects of OTC medications on the unborn and newborn [letter] Koberly BH. **Nurse Pract** 1984 Apr;9(4):66

Hamster hepatocytes in culture as a model for acetaminophen toxicity studies with inhibitors of drug metabolism. Harman AW, et al. **Toxicol Appl Pharmacol** 1983 Dec;71(3):330–41

Circadian rhythm in acetaminophen toxicity: role of nonprotein sulfhydryls. Schnell RC, et al. **Toxicol Appl Pharmacol** 1983 Dec;71(3):353–61

A review of acetaminophen's effect on methemoglobin, glutathione, and some related enzymes. Nash SL, et al. **Vet Hum Toxicol** 1984 Apr;26(2):123–32 (85 ref.)

[Anorectal stenosis related to the taking of suppositories combining dextropropoxyphene and paracetamol (Di-Antalvic)] Blanchi A, et al. **Gastroenterol Clin Biol** 1984 Jun–Jul;8(6–7):579–80 **(Fre)**

[Allergy to paracetamol. A case of hepatic and cutaneous involvement (letter)] Guérin C, et al. **Therapie** 1984 Jan–Feb;39(1):47–9 **(Fre)**

[The significance of lipid peroxidation in drug-induced liver damage] Wendel A. **Z Gastroenterol** 1984 Jan;22(1):9–15 (Eng. Abstr.) **(Ger)**

[Paracetamol and damage to the liver and kidney] Alván G, et al. **Lakartidningen** 1984 Mar 28;81(13):1266 **(Swe)**

[Does paracetamol cause liver damage in chronic alcoholics?] Sköld A, et al. **Lakartidningen** 1984 Mar 28;81(13):1314 **(Swe)**

[Therapeutic intake of paracetamol caused acute renal insufficiency and liver damage] Stolt CM, et al. **Lakartidningen** 1984 Mar 28;81(13):1313 **(Swe)**

ANALOGS & DERIVATIVES

Cytotoxic effects of N-acetyl-p-benzoquinone imine, a common arylating intermediate of paracetamol and N-hydroxyparacetamol. Holme JA, et al. **Biochem Pharmacol** 1984 Feb 1;33(3):401–6

Comparison of a traditional paracetamol medication and a new paracetamol/paracetamol-methionine ester combination. Skoglund LA, et al. **Eur J Clin Pharmacol** 1984;26(5):573–7

Stable free radical and benzoquinone imine metabolites of an acetaminophen analogue. Fischer V, et al. **J Biol Chem** 1984 Aug 25;259(16):10284–8

Analgesic activity of a thiomethyl metabolite of paracetamol. Hertz F, et al. **J Pharm Pharmacol** 1983 Aug;35(8):521–2

Glucuronidation and biliary excretion of acetaminophen in rats. Hjelle JJ, et al. **J Pharmacol Exp Ther** 1984 Feb; 228(2):407–13

[Clinical evaluation of a new analgesic UP 341.01 in patients with pain following orthopedic surgery] Casanova G, et al. **Ann Chir** 1983 May;37(4):318–20 (Eng. Abstr.) **(Fre)**

[Evaluation of the analgesic effect of UP 341-01 in patients presenting with acute pain in ORL] Stipon JP, et al. **Sem Hop Paris** 1983 Oct 27;59(39):2735–8 (Eng. Abstr.) **(Fre)**

ANALYSIS

Spectrophotometric determination of paracetamol in drug formulations with 2-iodylbenzoate. Verma KK, et al. **Analyst** 1984 Jun;109(6):735–7

Enzymic method for acetaminophen adapted to a centrifugal analyzer [letter] Hallworth MJ. **Clin Chem** 1983 Dec; 29(12):2123–4

Liquid chromatographic determination of acetaminophen in multicomponent analgesic tablets. Krieger DJ. **J Assoc Off Anal Chem** 1984 Mar–Apr;67(2):339–41

First-derivative spectroscopic determination of acetaminophen and sodium salicylate in tablets. Tobias DY. **J Assoc Off Anal Chem** 1983 Nov;66(6):1450–4

Application of orthogonal functions to spectrophotometric analysis: a stability indicating method for determination of acetaminophen. Hassan SM, et al. **J Pharm Belg** 1983 Sep–Oct;38(5):258–60

Biliary excretion of acetaminophen in ureter-ligated rats. Siegers CP, et al. **Pharmacology** 1984;28(3):177–80

ANTAGONISTS & INHIBITORS

Selective inhibition of acetaminophen oxidation and toxicity by cimetidine and other histamine H2-receptor antagonists in vivo and in vitro in the rat and in man. Mitchell MC, et al. **J Clin Invest** 1984 Feb;73(2):383–91

2-Substituted thiazolidine-4(R)-carboxylic acids as prodrugs of L-cysteine. Protection of mice against acetaminophen hepatotoxicity. Nagasawa HT, et al. **J Med Chem** 1984 May;27(5):591–6

Examination of the protective effect of ICRF-187 and dimethyl sulfoxide against acetaminophen-induced hepatotoxicity in Syrian golden hamsters. El-Hage AN, et al. **Toxicology** 1983 Nov;28(4):295–303

A comparison of the protective effects of N-acetyl-cysteine and S-carboxymethylcysteine against paracetamol-induced hepatotoxicity. Ioannides C, et al. **Toxicology** 1983 Nov; 28(4):313–21

BLOOD

Homogeneous enzyme immunoassay of acetaminophen in serum. Hepler B, et al. **Am J Clin Pathol** 1984 May; 81(5):602–10

Collaborative trial of an enzyme-based assay for the determination of paracetamol in plasma. Brown SS, et al. **Ann Clin Biochem** 1983 Nov;20 (Pt 6):353–9

Colorimetric determination of acetaminophen. Gupta RN, et al. **Clin Biochem** 1983 Aug;16(4):220–1

Indophenol method for acetaminophen in serum examined. Novotny PE, et al. **Clin Chem** 1984 Jun;30(6):884–6

Paracetamol and blood-glucose analysis with the YSI Analyzer [letter] Townsend JC. **Clin Chem** 1983 Dec; 29(12):2119

Evaluation of a modified colorimetric assay for the determination of acetaminophen in serum. Hale PW Jr, et al. **J Anal Toxicol** 1983 Sep–Oct;7(5):249–51

A convenient thin-layer chromatographic screening method for acetaminophen in serum. Kelly RC, et al. **J Anal Toxicol** 1984 Mar–Apr;8(2):54–8

High-performance liquid chromatographic method for the determination of trace amounts of acetaminophen in plasma. Korduba CA, et al. **J Pharm Sci** 1984 Jan; 73(1):117–9

[Plasma determination of paracetamol using high performance liquid chromatography. Application to a pharmacokinetic study] Demotes-Mainard F, et al. **Ann Biol Clin (Paris)** 1984;42(1):9–13 (Eng. Abstr.) **(Fre)**

[Bioavailability of codeine and paracetamol in a combination preparation following oral and rectal administration] Kummer M, et al. **Fortschr Med** 1984 Feb 16;102(7):173–8 (Eng. Abstr.) **(Ger)**

[Salicylic acid and paracetamol serum levels following the oral administration of eterilate] Priego JG, et al. **Arch Farmacol Toxicol** 1983 Apr;9(1):39–46 (Eng. Abstr.) **(Spa)**

METABOLISM

Ranitidine and acetaminophen hepatotoxicity [letter] Speeg KV Jr, et al. **Ann Intern Med** 1984 Feb;100(2):315–6

Control of glucuronidation during hypoxia. Limitation by UDP-glucose pyrophosphorylase. Aw TY, et al. **Biochem J** 1984 May 1;219(3):707–12

Interaction of ethanol with acetaminophen metabolism in the baboon. Altomare E, et al. **Biochem Pharmacol** 1984 Jul 15;33(14):2207–12

Cytotoxic effects of N-acetyl-p-benzoquinone imine, a common arylating intermediate of paracetamol and N-hydroxyparacetamol. Holme JA, et al. **Biochem Pharmacol** 1984 Feb 1;33(3):401–6

Effect of cimetidine on paracetamol activation in mice. Miners JO, et al. **Biochem Pharmacol** 1984 Jun 15; 33(12):1996–8

Acetaminophen: enzymatic formation of a transient phenoxyl free radical. West PR, et al. **Biochem Pharmacol** 1984 Sep 15;33(18):2933–6

Gastric emptying and drug absorption before surgery. Marsh RH, et al. **Br J Anaesth** 1984 Feb;56(2):161–4

Effect of premedication on drug absorption and gastric emptying. Todd JG, et al. **Br J Anaesth** 1983 Dec; 55(12):1189–93

Paracetamol absorption from Paramax, Panadol and Solpadeine [letter] Boston PF. **Br J Clin Pharmacol** 1983 Nov;16(5):578

Influence of sex and oral contraceptive steroids on paracetamol metabolism. Miners JO, et al. **Br J Clin Pharmacol** 1983 Nov;16(5):503–9

Statistical analysis of data on paracetamol absorption [letter] Newman GB. **Br J Clin Pharmacol** 1983 Nov;16(5):579

The covalent binding of acetaminophen to protein. Evidence for cysteine residues as major sites of arylation in vitro. Streeter AJ, et al. **Chem Biol Interact** 1984 Mar; 48(3):349–66

Determinants of acetaminophen metabolism: effect of inducers and inhibitors of drug metabolism on acetaminophen's metabolic pathways. Miners JO, et al. **Clin Pharmacol Ther** 1984 Apr;35(4):480–6

Effect of brussels sprouts and cabbage on drug conjugation. Pantuck EJ, et al. **Clin Pharmacol Ther** 1984 Feb; 35(2):161–9

Ibuprofen and acetaminophen kinetics when taken concurrently. Wright CE 3d, et al. **Clin Pharmacol Ther** 1983 Nov;34(5):707–10

Inhibition of acetaminophen sulfation by 2,6-dichloro-4-nitrophenol in the perfused rat liver preparation. Lack of a compensatory increase of glucuronidation. Fayz S, et al. **Drug Metab Dispos** 1984 May–Jun;12(3):323–9

Effect of L-ascorbic acid on acetaminophen-induced hepatotoxicity and covalent binding in hamsters. Evidence that in vitro covalent binding differs from that in vivo. Miller MG, et al. **Drug Metab Dispos** 1984 May–Jun; 12(3):271–9

Mechanism of ketone-induced protection from acetaminophen hepatotoxicity in the rat. Price VF, et al. **Drug Metab Dispos** 1983 Sep–Oct;11(5):451–7

Altered biliary excretion of acetaminophen in rats fed ethanol chronically. Vendemiale G, et al. **Drug Metab Dispos** 1984 Jan–Feb;12(1):20–4

Close correlation of acetaminophen clearance with that of conjugated benzodiazepines but not oxidized benzodiazepines. Greenblatt DJ, et al. **Eur J Clin Pharmacol** 1983;25(1):113–5

Drug metabolism in Indian childhood cirrhosis. Misra PK, et al. **Indian Pediatr** 1984 Feb;21(2):127–31

Effects of alcoholism on acetaminophen pharmacokinetics in man. Dietz AJ Jr, et al. **J Clin Pharmacol** 1984 Apr; 24(4):205–8

Absolute and relative bioavailability of oral acetaminophen preparations. Ameer B, et al. **J Pharm Sci** 1983 Aug; 72(8):955–8

Relative bioavailability and pharmacokinetics: a combination of pentazocine and acetaminophen. Fritz AK, et al. **J Pharm Sci** 1984 Mar;73(3):326–31

Pharmacokinetic study of the fate of acetaminophen and its conjugates in rats. Watari N, et al. **J Pharmacokinet Biopharm** 1983 Jun;11(3):245–72

Effect of diethylether on the formation of paracetamol sulphate and glucuronide in isolated rat hepatocytes. Aune H, et al. **Pharmacology** 1984;28(2):67–73

Differential effects of isoniazid and oral contraceptive steroids on antipyrine oxidation and acetaminophen conjugation. Ochs HR, et al. **Pharmacology** 1984; 28(4):188–95

Pharmacokinetics of paracetamol in patients with gastric and duodenal ulcers. Wójcicki J, et al. **Pol J Pharmacol Pharm** 1984 Jan–Feb;36(1):59–63

N-acetyl-p-benzoquinone imine: a cytochrome P-450-mediated oxidation product of acetaminophen. Dahlin DC, et al. **Proc Natl Acad Sci USA** 1984 Mar; 81(5):1327–31

Effect of diethyl ether on the biliary excretion of acetaminophen. Watkins JB, et al. **Proc Soc Exp Biol Med** 1984 Oct;177(1):168–75

Hepatotoxicity of acetaminophen in neonatal and young rats. II. Metabolic aspects. Green MD, et al. **Toxicol Appl Pharmacol** 1984 Jun 15;74(1):125–33

Pharmacokinetics of antipyrine, paracetamol, and morphine in rat at 71 ATA. Aanderud L, et al. **Undersea Biomed Res** 1983 Sep;10(3):193–201

Biliary excretion and enterohepatic circulation of paracetamol in the rat. Siegers CP, et al. **Xenobiotica** 1983 Oct;13(10):591–6

[Pharmacokinetics and metabolism of acetaminophen in normal, alcoholic and cirrhotic subjects] Villeneuve JP, et al. **Gastroenterol Clin Biol** 1983 Nov;7(11):898–902 (Eng. Abstr.) **(Fre)**

[Application of the manova (multivariate analysis of variance) of statistical moments in a study of the bioavailability of 3 paracetamol formulations] Concheiro A, et al. **Pharm Acta Helv** 1984;59(4):109–11 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Effect of acetaminophen on the leukocyte-labeling efficiency of indium oxine In 111. Augustine SC, et al. **Am J Hosp Pharm** 1983 Nov;40(11):1965–7

Review of the comparative analgesic efficacy of salicylates, acetaminophen, and pyrazolones. Mehlisch DR. **Am J Med** 1983 Nov 14;75(5A):47–52 (21 ref.)

The influence of paracetamol on the anti-inflammatory, the anti-pyretic and the analgesic activity of indomethacin. van Kolfschoten AA, et al. **Arch Int Pharmacodyn Ther** 1983 Sep;265(1):55–60

Paracetamol-stimulated lipid peroxidation in isolated rat and mouse hepatocytes. Albano E, et al. **Chem Biol Interact** 1983 Dec;47(3):249–63

A comparative study of the effects of aspirin and paracetamol (acetaminophen) on platelet aggregation and bleeding time. Seymour RA, et al. **Eur J Clin Pharmacol** 1984;26(5):567–71
Ultrastructural effects of acetaminophen in isolated mouse hepatocytes. Walker RM, et al. **Exp Mol Pathol** 1983 Oct; 39(2):163–75
A new method for quantitation of ion fluxes across in vivo human gastric mucosa: effect of aspirin, acetaminophen, ethanol, and hyperosmolar solutions. Stern AI, et al. **Gastroenterology** 1984 Jan;86(1):60–70
Protective effect of acetaminophen against aspirin- and ethanol-induced damage to the human gastric mucosa. Stern AI, et al. **Gastroenterology** 1984 Apr;86(4):728–33
Comparative study on the effects of acetylsalicylic acid, indomethacin and paracetamol on metabolites of arachidonic acid in plasma, serum and urine in man. Seppälä E, et al. **Int J Clin Pharmacol Res** 1983;3(4):265–9
Depletion of endogenous inorganic sulfate in the mammalian central nervous system by acetaminophen. Morris ME, et al. **J Pharm Sci** 1984 Jun;73(6):853
Physiological and environmental determinants of phenytoin teratogenicity: relation to glutathione homeostasis, and potentiation by acetaminophen. Wells PG. **Prog Clin Biol Res** 1983;135:367–71
Tissue selectivity and variability of effects of acetaminophen on arachidonic acid metabolism. Tolman EL, et al. **Prostaglandins Leukotrienes Med** 1983 Dec;12(4):347–56
Acetaminophen-induced alterations in blood glucose and blood insulin levels in mice. Hinson JA, et al. **Res Commun Chem Pathol Pharmacol** 1984 Mar; 43(3):381–91
[Antipyretic effect of an oral solution of paracetamol in children] Jean R, et al. **Ann Pediatr (Paris)** 1983 Dec; 30(10):807–9 (Eng. Abstr.) **(Fre)**

POISONING

Acetaminophen overdose with fetal demise. Haibach H, et al. **Am J Clin Pathol** 1984 Aug;82(2):240–2
Acetaminophen overdose in young children. Treatment and effects of alcohol and other additional ingestants in 417 cases. Rumack BH. **Am J Dis Child** 1984 May; 138(5):428–33
Acetaminophen overdose. Rumack BH. **Am J Med** 1983 Nov 14;75(5A):104–12 (45 ref.)
Anion gap acidosis with hypoglycemia in acetaminophen toxicity. Zabrodski RM, et al. **Ann Emerg Med** 1984 Oct; 13(10):956–9
Paracetamol overdose in the second trimester of pregnancy. Case report. Stokes IM. **Br J Obstet Gynaecol** 1984 Mar; 91(3):286–8
Asthma associated with N-acetylcysteine infusion and paracetamol poisoning: report of two cases. Ho SW, et al. **Br Med J [Clin Res]** 1983 Sep 24;287(6396):876–7
Paracetamol overdose as a cause of non-A, non-B hepatitis. Leen CL, et al. **Br Med J [Clin Res]** 1984 Jan 7; 288(6410):50–1
Asthma associated with N-acetylcysteine infusion and paracetamol poisoning [letter] Vale JA, et al. **Br Med J [Clin Res]** 1983 Oct 22;287(6400):1223
Probable acetaminophen toxicity in an 18-month-old infant due to repeated overdosing. Swetnam SM, et al. **Clin Pediatr (Phila)** 1984 Feb;23(2):104–5
Toxicological findings in a multi-drug death involving propoxyphene, caffeine, phenacetin, acetaminophen and salicylate. Chaturvedi AK, et al. **Forensic Sci Int** 1983 Nov-Dec;23(2-3):255–64
Acetaminophen poisoning in cats and man [letter] Marcella KL. **J Am Vet Med Assoc** 1983 Oct 15;183(8):836
The acetaminophen experience in south Florida. Thomas GE, et al. **J Forensic Sci** 1983 Oct;28(4):977–84
Fatal acetaminophen toxicity in a 2-year-old. Clark JH, et al. **J Indiana State Med Assoc** 1983 Dec;76(12):832–5
Metabolism and pharmacokinetics of acetaminophen in a severely poisoned young child. Lieh-Lai MW, et al. **J Pediatr** 1984 Jul;105(1):125–8
Double, triple, toil and trouble—Darvocet intoxication. Mack RB. **NC Med J** 1984 Jan;45(1):27–9 (0 ref.)
Effect of vitamin C on acute paracetamol poisoning. Romero-Ferret C, et al. **Toxicol Lett** 1983 Aug; 18(1-2):153–6
[Paracetamol poisoning—clinical aspects and pharmacokinetics] Baumgarten R, et al. **Z Gesamte Inn Med** 1983 Sep 1;38(17):472–5 (Eng. Abstr.) **(Ger)**
[Rare side effects following paracetamol poisoning] Rabinovitz M, et al. **Harefuah** 1984 Feb 1;106(3):127–8 (Eng. Abstr.) **(Heb)**
[Acetaminophen poisoning in children: a serious error in medical prescription] Velásquez-Jones L. **Bol Med Hosp Infant Mex** 1983 Sep;40(9):476–9 **(Spa)**

STANDARDS

The Tylenol tampering incident - tracing the source. Wolnik KA, et al. **Anal Chem** 1984 Mar;56(3):466A–470A, 474A

THERAPEUTIC USE

The prevention and treatment of migraine with an analgesic combination. Carasso RL, et al. **Br J Clin Pract** 1984 Jan; 38(1):25–7
A comparison of two analgesic muscle relaxant combinations in acute back pain. Middleton RS. **Br J Clin Pract** 1984 Mar;38(3):107–9
Acetaminophen: a practical pharmacologic overview. Jackson CH, et al. **Can Med Assoc J** 1984 Jul 1; 131(1):25–32, 37
Effects of indomethacin, sulindac, naproxen, aspirin, and paracetamol in treated hypertensive patients. Chalmers JP, et al. **Clin Exp Hypertens [A]** 1984;6(6):1077–93
Nalbuphine, acetaminophen, and their combination in postoperative pain. Forbes JA, et al. **Clin Pharmacol Ther** 1984 Jun;35(6):843–51
Nonprescription analgesics. Hanks GW. **Clin Ther** 1983;5 Suppl B:1–50 (396 ref.)
Randomized single-blind trial in general practice comparing the efficacy and palatability of two cough linctus preparations, 'Pholcolix' and 'Actifed' Compound, in children with acute cough. Jaffé G, et al. **Curr Med Res Opin** 1983;8(8):594–9
Comparison of ibuprofen and acetaminophen-codeine in postoperative foot pain. Wittenberg M, et al. **J Am Podiatry Assoc** 1984 May;74(5):233–7
Analgesia following oral surgery: a comparative study of Solpadeine and a soluble form of dextropropoxyphene napsylate and paracetamol. Edmondson HD, et al. **J Int Med Res** 1983;11(4):228–31
A double-blind controlled evaluation of the nasal decongestant effect of Day Nurse in the common cold. Lea P. **J Int Med Res** 1984;12(2):124–7
Comparative study of the antipyretic effect of ibuprofen (oral suspension) and paracetamol (suppositories) in paediatrics. Wilson G, et al. **J Int Med Res** 1984;12(4):250–4
Distalgesic: safe and effective? [editorial] **Lancet** 1984 Sep 15;2(8403):616
Further look at dextropropoxyphene with or without paracetamol in the treatment of arthritis. Mitchell H, et al. **Med J Aust** 1984 Feb 18;140(4):224–5
[Problems with fever in children] Holý J. **Cas Lek Cesk** 1983 Jul 8;122(27):864 **(Cze)**
[Acetylsalicylic acid or paracetamol?] Simonsen K, et al. **Ugeskr Laeger** 1983 Jul 25;145(30):2322–6 **(Dan)**
[Antipyretic effect of the oral paracetamol solution in children] de Paillerets F, et al. **Ann Pediatr (Paris)** 1984 Apr;31(4):339–41 (Eng. Abstr.) **(Fre)**
[Postoperative pain: comparative study of the analgesic effect of sodium naproxen and paracetamol] Mugnier A, et al. **Presse Med** 1984 Feb 18;13(7):429–31 (Eng. Abstr.) **(Fre)**

TOXICITY

Scanning electron microscopic examination of acetaminophen-induced hepatotoxicity and congestion in mice. Walker RM, et al. **Am J Pathol** 1983 Dec; 113(3):321–30
The effectiveness of N-acetylcysteine in isolated hepatocytes, against the toxicity of paracetamol, acrolein, and paraquat. Dawson JR, et al. **Arch Toxicol** 1984 Mar;55(1):11–5
Modifying effects of butylated hydroxyanisole, ethoxyquin and acetaminophen on induction of neoplastic lesions in rat liver and kidney initiated by N-ethyl-N-hydroxyethylnitrosamine. Tsuda H, et al. **Carcinogenesis** 1984 Apr;5(4):525–31
Prevention of acetaminophen hepatotoxicity by propylthiouracil in the glutathione depleted rat. Raheja KL, et al. **Comp Biochem Physiol [C]** 1983;76(1):9–14
Effects of cimetidine on theophylline, acetaminophen, and zoxazolamine toxicity in the intact mouse. Lazarte RA, et al. **Dev Pharmacol Ther** 1984;7(1):21–9
Effect of riboflavin status on acetaminophen toxicity in the rat. Raheja KL, et al. **Drug Nutr Interact** 1983;2(3):183–91
Chemoprotective effects of two dithiolthiones and of butylhydroxyanisole against carbon tetrachloride and acetaminophen toxicity. Ansher SS, et al. **Hepatology** 1983 Nov-Dec;3(6):932–5
Histological & ultrastructural alterations in the livers of albino rats after prolonged administration of paracetamol. Mehrotra R, et al. **Indian J Med Res** 1983 Jun;77:873–8
Role of microsomal drug detoxifying enzyme systems in paracetamol induced liver injury in rats. Sharma S, et al. **Indian J Med Res** 1983 Jul;78:134–41
Hepatic lipid peroxidation: caused by acute drug intoxication, prevented by liposomal glutathione. Wendel A. **Int J Clin Pharmacol Res** 1983;3(6):443–7
Hepatotoxicity and metabolism of acetaminophen in male and female rats. Raheja KL, et al. **J Toxicol Environ Health** 1983 Jul;12(1):143–58
Additional effect of acetaminophen on the mutagenicity and clastogenicity of N-methyl-N'-nitro-N-nitrosoguanidine in cultured Chinese hamster CHO-K1 cells. Sasaki M, et al. **Mutat Res** 1983 Dec;122(3-4):367–72
Potentiation of the toxic effects of acetaminophen in mice by concurrent infection with influenza B virus: a possible mechanism for human Reye's syndrome? MacDonald MG, et al. **Pediatr Res** 1984 Feb;18(2):181–7
Enhancement of paracetamol induced hepatotoxicity by prior treatment with carboxymethylcellulose. Klugmann FB, et al. **Pharmacol Res Commun** 1984 Mar;16(3):313–8
The effect of alcohol on the toxicity of acetaminophen in mice. Banda PW, et al. **Res Commun Chem Pathol Pharmacol** 1984 Jan; 43(1):127–38
Interaction between acetaminophen and organophosphates in mice. Costa LG, et al. **Res Commun Chem Pathol Pharmacol** 1984 Jun; 44(3):389–400
The target portion of acetaminophen induced hepatotoxicity in rats: modification by thiol compounds. Hirayama C, et al. **Res Commun Chem Pathol Pharmacol** 1983 Dec; 42(3):431–48
Reversal of acetaminophen intoxication with an N-acetylcysteine-liposome preparation. Khairy L, et al. **Res Commun Chem Pathol Pharmacol** 1983 Oct;42(1):153–6
Hepatotoxicity of acetaminophen in neonatal and young rats. I. Age-related changes in susceptibility. Green MD, et al. **Toxicol Appl Pharmacol** 1984 Jun 15;74(1):116–24
Acetaminophen nephrotoxicity in the rat. Renal metabolic activation in vitro. Newton JF, et al. **Toxicol Appl Pharmacol** 1983 Sep 30;70(3):433–44
The prevention of acetaminophen-induced hepatotoxicity by the interferon inducer poly(rI . rC). Renton KW, et al. **Toxicol Appl Pharmacol** 1984 Jan;72(1):40–5
The toxicity and biotransformation of single doses of acetaminophen in dogs and cats. Savides MC, et al. **Toxicol Appl Pharmacol** 1984 Jun 15;74(1):26–34
Protection against paracetamol-induced hepatotoxicity by acetylsalicylic acid in rats. De Vries J, et al. **Toxicology** 1984 Apr 16;30(4):297–304
The effect of acetaminophen on methemoglobin and blood glutathione parameters in the cat. Nash SL, et al. **Toxicology** 1984 Jun;31(3-4):329–34
Increased acetaminophen-induced hepatotoxicity after chronic ethanol consumption in mice. Walker RM, et al. **Toxicology** 1983;28(3):193–206

URINE

A simple HPLC assay for urinary paracetamol metabolites and its use to characterize the C3H mouse as a model for paracetamol metabolism studies. Miners J, et al. **Clin Exp Pharmacol Physiol** 1984 Mar-Apr;11(2):209–17
Improved high-performance liquid chromatographic separation of urinary paracetamol metabolites using radially compressed columns. Hart SJ, et al. **J Chromatogr** 1984 Mar 9;306:215–29

ACETANILIDES

Comparison of bupivacaine and etidocaine in extradural blockade. Sinclair CJ, et al. **Br J Anaesth** 1984 Feb; 56(2):147–53
[The question of equal potency of etidocaine and bupivacaine in peridural anesthesia] Diallo B, et al. **Reg Anaesth** 1984 Apr;7(2):33–8 (Eng. Abstr.) **(Ger)**
[Peridural anesthesia with etidocaine. Clinical studies on the effect of vasoconstrictors on sensory and motor blockade] Koch T, et al. **Reg Anaesth** 1984 Apr;7(2):39–43 (Eng. Abstr.) **(Ger)**
[Protracted peridural anesthesia with morphine and local anesthetics after oncologic surgery] Levité EM. **Anesteziol Reanimatol** 1983 Nov-Dec;(6):51–3 (Eng. Abstr.) **(Rus)**
[Local anesthetic properties of a polymeric compound of trimecaine] Ignatov IuD, et al. **Biull Eksp Biol Med** 1984 Jun;97(6):686–8 (Eng. Abstr.) **(Rus)**
[Experience with the use of peridural anesthesia in a central regional hospital] Zima NF, et al. **Klin Khir** 1983 Dec; (12):43–5 (Eng. Abstr.) **(Rus)**
[Prolonged peridural block for postoperative analgesia in heart surgery patients] Levit AL, et al. **Vestn Khir** 1983 Aug;131(8):85–8 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Suppression of postoperative pain by the combination of a nonsteroidal anti-inflammatory drug, flurbiprofen, and a long-acting local anesthetic, etidocaine. Dionne RA, et al. **J Am Dent Assoc** 1984 Apr;108(4):598–601
The effectiveness of 1.5% etidocaine HCl with epinephrine 1:200,000 and 2% lidocaine HCl with epinephrine 1:100,000 in oral surgery: a clinical comparison. Giovannitti JA, et al. **J Am Dent Assoc** 1983 Oct;107(4):616–8
Evaluation of etidocaine hydrochloride for local anesthesia and postoperative pain control in oral surgery. Sisk AL, et al. **J Oral Maxillofac Surg** 1984 Feb;42(2):84–8
[Use of peridural analgesia during treatment of uterine inertia] Gusev SIu, et al. **Akush Ginekol (Mosk)** 1983 Aug;(8):38–40 (Eng. Abstr.) **(Rus)**
[Conduction anesthesia of the lumbar plexus by the inguinal approach] Marochkov AV, et al. **Anesteziol Reanimatol** 1984 Jan-Feb;(1):64–5 (Eng. Abstr.) **(Rus)**
[Peridural analgesia with morphine as a component of anesthesia] Semenikhin AA, et al. **Anesteziol Reanimatol** 1984 May-Jun;(3):41–3 (Eng. Abstr.) **(Rus)**
[Comparative clinical study of the effectiveness of the new anti-arrhythmia agents, trimecaine and pyrromecaine] Pavlova TS, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1983;6(2):67–72 (Eng. Abstr.) **(Rus)**
[Trimecaine in the prevention of early ventricular fibrillation during experimental myocardial infarction] Vol'pert EI, et al. **Kardiologiia** 1983 Nov;23(11):109–10 **(Rus)**
[Local treatment of suppurative wounds] Datsenko BM, et al. **Khirurgiia (Mosk)** 1984 Jan;(1):136–41 **(Rus)**

ADVERSE EFFECTS

[A severe complication of peridural trimecaine anesthesia] Raĭkevich NP. **Khirurgiia (Mosk)** 1984 Apr;(4):120–1 **(Rus)**

ANALYSIS

Propachlor herbicide residue studies in cabbage using modified analytical procedure. Warholic DT, et al. **Bull Environ Contam Toxicol** 1983 Nov;31(5):585–7

CHEMICAL SYNTHESIS

N–Trifluoroacetyl derivatives as pharmacological agents. II. Trifluoroacetanilides: synthesis and antiinflammatory activity. Vigorita MG, et al. **Farmaco [Sci]** 1984 May; 39(5):403–13

IMMUNOLOGY

[Irritant and sensitizing effect of the herbicide propachlor] Heise H, et al. **Z Gesamte Hyg** 1983 Nov;29(11):675–7 (Eng. Abstr.) **(Ger)**

METABOLISM

Differential metabolism of acetanilide versus ethoxycoumarin and benzo[a]pyrene by two 3–methylcholanthrene–inducible forms of rat liver cytochrome P–450. Sundheimer DW, et al. **Arch Biochem Biophys** 1983 Oct 15;226(2):548–57

Hydrolysis of oleylanilide in the rat. Cunningham VJ, et al. **Arch Toxicol** 1983 Oct;54(2):157–62

In vivo hydroxylation of 3H–acetanilide—evaluation of a new radiospirometric method in the rat. Toutoungi M, et al. **Biochem Pharmacol** 1983 Dec 1;32(23):3595–600

The metabolism of thioacetanilide in the rat. Trennery PN, et al. **Xenobiotica** 1983 Aug;13(8):475–82

[Pharmaceutic and biopharmaceutic evaluation of acetylaminonitropropoxybenzene (Falimint). A Biotransformation of the active agent] Gerlach K, et al. **Pharmazie** 1984 Jan;39(1):42–5 (Eng. Abstr.) **(Ger)**

[Pharmaceutical and biopharmaceutical assessment of acetylaminopropoxybenzene (Falimint). 5. Characterization of metabolites of Falimint with square wave– and oscillopolarography] Gerlach K, et al. **Pharmazie** 1984 May;39(5):354–5 **(Ger)**

[Pharmaceutical and biopharmaceutical evaluation of acetylaminonitropropoxybenzolum (Falimint). 3: Polarographic analysis and determination of active agents] Gerlach K, et al. **Pharmazie** 1983 Aug;38(8):527–30 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Etidocaine HCl local anesthetic for periodontal flap surgery. *Hlava GL, et al.* **J Periodontol** 1984 Jun;55(6):364–7

[Pharmacological study of quaternary trimecaine derivatives] Gendenshtein EI, et al. **Farmakol Toksikol** 1983 Jul–Aug; 46(4):36–40 (Eng. Abstr.) **(Rus)**

[Effect of trimecaine, ajmaline, stenopril and chloracizine on fluctuations in K+ currents in rat liver mitochondria] *Chukhlova EA, et al.* **Ukr Biokhim Zh** 1984 Mar–Apr; 56(2):207–10 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

[Various aspects of the anti–arrhythmia action of trimecaine and its effect on hemodynamics] *Kostin IaV, et al.* **Farmakol Toksikol** 1984 Jan–Feb;47(1):47–50 **(Rus)**

[Clinico–electrophysiologic study of the anti–arrhythmic action of trimecaine] *Zhelnov VV, et al.* **Kardiologiia** 1984 May;24(5):48–52 (Eng. Abstr.) **(Rus)**

[Comparative characteristics of the antiarrhythmic activity of lidocaine, trimecaine and pyromecaine] Orlov VM, et al. **Sov Med** 1984;(3):82–4 **(Rus)**

ACETATE KINASE see under **PHOSPHOTRANSFERASES, ATP**

ACETATES

Carbon dioxide removal in acetate hemodialysis: effects on acid base balance. Bosch JP, et al. **Kidney Int** 1984 May; 25(5):830–7

High sodium bicarbonate and acetate hemodialysis: double–blind crossover comparison of hemodynamic and ventilatory effects. Henrich WL, et al. **Kidney Int** 1983 Aug;24(2):240–5

ADMINISTRATION & DOSAGE

Prevention of lens opacification during diabetic vitrectomy. Haimann MH, et al. **Ophthalmology** 1984 Feb;91(2):116–21

ADVERSE EFFECTS

Hypoxemia during hemodialysis using acetate versus bicarbonate dialysate. Abu–Hamdan DK, et al. **Am J Nephrol** 1984;4(4):248–53

Effects of oxygen administration on the manifestation of acetate intolerance in dialysis patients. Ahmad S, et al. **Am J Nephrol** 1982;2(5):256–60

Mechanisms producing hypoxemia during hemodialysis. Quebbeman EJ, et al. **Crit Care Med** 1984 Apr;12(4):359–63

Abdominal pains during CAPD with acetate buffered dialysate [letter] Ahlmén J, et al. **Lancet** 1983 Nov 26; 2(8361):1247

Acetate intolerance in hemodialysis. Kishimoto T, et al. **Trans Am Soc Artif Intern Organs** 1983;29:402–7

[Hypoxemia in hemodialysis: hemodynamic mechanism? Hemodynamic and spirometric study using acetate and bicarbonate buffers] Branger B, et al. **Nephrologie** 1983; 4(4–5):190–3 (Eng. Abstr.) **(Fre)**

[Clinical tolerance of hemodialysis sessions in children. Comparison of bicarbonate and acetate baths] Pierre G, et al. **Nephrologie** 1983;4(4–5):201–3 (Eng. Abstr.) **(Fre)**

[Improvement of tolerance of dialysis sessions using bicarbonate baths. Results of a controlled study] Wolf C, et al. **Nephrologie** 1983;4(4–5):204–7 (Eng. Abstr.) **(Fre)**

ANALYSIS

[Lactate and acetate determination in infusions or dialysis solutions using high pressure liquid chromatography] Bichsel S. **Pharm Acta Helv** 1984;59(2):62–4 **(Ger)**

ANTAGONISTS & INHIBITORS

[Protective effect of L–carnitine in experimental high blood ammonium levels] Costell M, et al. **Rev Clin Esp** 1984 May 15;173(3):169–71 (Eng. Abstr.) **(Spa)**

BLOOD

Dependence on blood acetate concentration of the metabolic effects of ethanol in perfused rat liver. Topping DL, et al. **Biochim Biophys Acta** 1984 Jul 16;800(1):103–5

METABOLISM

[14C]acetate metabolism in the peripheral nervous system. Yao JK, et al. **Biochim Biophys Acta** 1983 Oct 11; 753(3):331–8

Acetate utilization and fatty acid metabolism in phorbol ester and dimethyl sulfoxide–differentiated human leukemia cells. Lackey RJ, et al. **Cancer Lett** 1983 Oct;20(3):291–7

Hyperacetylation of histone H4 in rat testis spermatids. Grimes SR Jr, et al. **Exp Cell Res** 1984 May;152(1):91–7

Influence of lesion of the limbic–hypothalamic system on metabolic responses of acetate to daily repeated cold exposures in rabbits. Seto K, et al. **Exp Clin Endocrinol** 1983 Nov;82(3):275–84

The use of doubly–labeled 13C–acetate in the study of streptolydigin biosynthesis. Pearce CJ, et al. **J Antibiot (Tokyo)** 1983 Nov;36(11):1536–8

Hydrogen–using bacteria in a methanogenic acetate enrichment culture. Archer DB. **J Appl Bacteriol** 1984 Feb; 56(1):125–9

Intermediary carbon metabolism of Azospirillum brasilense. Loh WH, et al. **J Bacteriol** 1984 Apr;158(1):264–8

Development of a minimally defined medium for the acetogen Clostridium thermoaceticum. Lundie LL Jr, et al. **J Bacteriol** 1984 Aug;159(2):700–3

Acetate synthesis from carbon monoxide by Clostridium thermoaceticum. Purification of the corrinoid protein. Hu SI, et al. **J Biol Chem** 1984 Jul 25;259(14):8892–7

Membrane perturbation by cerulenin modulates glucosyltransferase secretion and acetate uptake by Streptococcus salivarius. Jacques NA. **J Gen Microbiol** 1983 Nov;129 (Pt 11):3293–302

Is acetylation of protein involved in membrane function? Berl S, et al. **J Neural Transm [Suppl]** 1983;19:105–19

Uptake of acetate and propionate by isolated nerve endings from the electric organ of Torpedo marmorata and their incorporation into choline esters. O'Regan S. **J Neurochem** 1983 Dec;41(6):1596–601

Relative contributions of acetate, lactate and glucose to lipogenesis in bovine intramuscular and subcutaneous adipose tissue. Smith SB, et al. **J Nutr** 1984 Apr; *114(4):792–800*

Defined minimal growth medium for Acanthamoeba polyphaga. Ingalls CS, et al. **J Protozool** 1983 Aug; *30(3):606–8*

Acetate and energy metabolism during hemodialysis. Sigler MH, et al. **Kidney Int [Suppl]** 1983 Dec;16:S97–101

Plasma membrane biogenesis in eukaryotic cells: translocation of newly synthesized lipid. Mills JT, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(5):1385–8

Haemonchus contortus: lipid biosynthesis from C14–labelled acetate and glucose. Kapur J, et al. **Zentralbl Veterinarmed [B]** 1984 Apr;31(3):225–30

[Inhibition of incorporation of (2–14C) acetate into the free sterol fraction of hepatocytes as a result of treatment with ubiquinone–9] Novoselova EG. **Ukr Biokhim Zh** 1984 Mar–Apr;56(2):199–202 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Relationship between microflow, local tissue Po2 and extracellular activities of potassium and hydrogen ions in the cat brain during intraarterial infusion of ammonium acetate. Gronczewski J, et al. **Adv Exp Med Biol** 1984; 169:291–6

Gas exchange during dialysis. Contrasting mechanisms contributing to comparable alterations with acetate and bicarbonate buffers. Hunt JM, et al. **Am J Med** 1984 Aug; 77(2):255–60

Evidence for possible interrelationship between gluconeogenesis and ketogenesis? Kümmel L. **Biochem Int** 1984 Mar;8(3):393–400

Effects of octanoate and acetate upon hepatic glycolysis and lipogenesis. Nomura T, et al. **Biochim Biophys Acta** 1983 Dec 20;754(3):315–20

Hemodynamic changes during hemodialysis: role of dialyzate. Chen TS, et al. **Clin Nephrol** 1983 Oct; 20(4):190–6

Modulation of isocitrate dehydrogenase activity in Acinetobacter calcoaceticus by acetate. Reeves HC, et al. **FEBS Lett** 1983 Nov 14;163(2):265–8

Acid load after intravenous aminoacid infusion: comparison of clorurated vs. acetated solutions. Montorsi M, et al. **Ital J Surg Sci** 1984;14(2):162–6

Effects of ethanol metabolites on intermediary metabolism in heart muscle. Peuhkurinen KJ, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:279–83

Comparative effects of prostacyclin (PGI2) and acetate infusions on blood pressure. Ward RA, et al. **Trans Am Soc Artif Intern Organs** 1983;29:33–7

[Electro–encephalographic study of the disequilibrium syndrome during bicarbonate dialysis and acetate dialysis] Hampl H, et al. **Nephrologie** 1983;4(4–5):220–4 (Eng. Abstr.) **(Fre)**

[Arterial pressure, heart rate and systolic time intervals in patients on long–term hemodialysis dialyzed with a bath containing acetate or bicarbonate] Lefebvre A, et al. **Nephrologie** 1983;4(4–5):210–5 (Eng. Abstr.) **(Fre)**

[Comparative effects of hemodialysis using acetate and bicarbonate baths on lipid metabolism] Lefebvre A. **Nephrologie** 1983;4(4–5):228 (Eng. Abstr.) **(Fre)**

[Comparison of left ventricular function in children hemodialyzed with bicarbonate and acetate. An echocardiographic study] Machraoui A, et al. **Nephrologie** 1983;4(4–5):216–9 (Eng. Abstr.) **(Fre)**

[Respiratory response and acid–base equilibrium in acetate dialysis and bicarbonate dialysis] Salvadeo A, et al. **Nephrologie** 1983;4(4–5):186–9 (Eng. Abstr.) **(Fre)**

[Blood gas and acid–base changes and rhythmologic tolerance of acetate and bicarbonate hemodialysis using a standard dialyser with high sodium and control of ultrafiltration] Westeel PF, et al. **Nephrologie** 1983; 4(4–5):194–9 (Eng. Abstr.) **(Fre)**

STANDARDS

BSS warning [letter] Googe JM, et al. **J Am Intraocul Implant Soc** 1984 Spring;10(2):202

THERAPEUTIC USE

Effect of dialysis on lipid metabolism in chronic renal failure – acetate versus bicarbonate. Kobayashi N, et al. **Int J Artif Organs** 1983 Jul;6(4):187–90

Comparison of the hemodynamic response to hemodialysis with acetate or bicarbonate. Schick EC Jr, et al. **Trans Am Soc Artif Intern Organs** 1983;29:25–8

TOXICITY

Effects of ammonia on synaptosomal membranes. O'Connor JE, et al. **Biochem Biophys Res Commun** 1984 Mar 15; 119(2):516–23

Protective effect of L–carnitine on hyperammonemia. O'Connor JE, et al. **FEBS Lett** 1984 Jan 30;166(2):331–4

Prevention of ammonia toxicity by L–carnitine: metabolic changes in brain. O'Connor JE, et al. **Neurochem Res** 1984 Apr;9(4):563–70

[Relation between the toxicity of molecules of industrial value and their physico–chemical properties: test of upper airway irritation applied to 4 chemical groups] Muller J, et al. **Food Chem Toxicol** 1984 Aug;22(8):661–4 (Eng. Abstr.) **(Fre)**

URINE

Urinary excretion of acetate and propionate by the Holstein cow as affected by physiological state and propionate infusion. Peters JP, et al. **J Dairy Sci** 1984 Mar; *67(3):698–701*

ACETAZINE see **ACEPROMAZINE**

ACETAZOLAMIDE

ADVERSE EFFECTS

Adverse interaction between acetazolamide and anticholinesterase drugs at the normal and myasthenic neuromuscular junction level. Carmignani M, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 Mar;22(3):140–4

[Hematuria following acetazolamide (letter)] Fernández–Quero Bonilla L. **Rev Esp Anestesiol Reanim** 1983 Nov–Dec;30(6):256–7 **(Spa)**

ANALOGS & DERIVATIVES

Rare toxicity of diamox (acetazolamide). Bhatnagar NK. **Indian J Ophthalmol** 1983 Jul;31(4):459–61

BLOOD

Determination of acetazolamide in biological fluids by reverse–phase high–performance liquid chromatography. Chapron DJ, et al. **J Pharm Sci** 1984 Jul;73(7):985–9

DIAGNOSTIC USE

[Central hypoventilation as a cause of hypoxemia during hemodialysis. Effects of acetazolamide administration] Gómez Fernández P, et al. **Rev Clin Esp** 1983 Dec 15; 171(5):309–12 (Eng. Abstr.) **(Spa)**

METABOLISM

Acetazolamide excretion into human breast milk. Söderman P, et al. **Br J Clin Pharmacol** 1984 May;17(5):599–600

PHARMACODYNAMICS

Local ocular hypotensive effect of topically applied acetazolamide. Flach AJ, et al. **Am J Ophthalmol** 1984 Jul 15;98(1):66–72

Electrochemical heterogeneity of the cochlear endolymph: effect of acetazolamide. Sterkers O, et al. **Am J Physiol** 1984 Jan;246(1 Pt 2):F47–53

The effects of acetazolamide and of ethoxzolamide on gastric microcirculation in rats (histochemical study). Barbarino F, et al. **Ann NY Acad Sci** 1984;429:601–3

Role of carbonic anhydrase in thyroidal iodide transport. Chow SY, et al. **Ann NY Acad Sci** 1984;429:604–6

Generation of reabsorptive bicarbonate concentration gradients between vasa recta and papillary tubular fluid after inhibition of carbonic anhydrase in the rat kidney. Frommer JP, et al. **Ann NY Acad Sci** 1984;429:541–3

Dissociation of glucose and potassium arterial–venous differences across the forearm by acetazolamide. A possible relationship to acetazolamide's beneficial effect in hypokalemic periodic paralysis. Riggs JE, et al. **Arch Neurol** 1984 Jan;41(1):35–8

Effect of arginine vasopressin, acetazolamide, and angiotensin II on CSF pressure at simulated altitude. Senay LC Jr, et al. **Aviat Space Environ Med** 1984 May;55(5):370–6

Simultaneous and independent versus antagonistic inhibition of muscle carbonic anhydrase (CA III) by acetazolamide and cyanate. Pullan LM, et al. **Biochem Pharmacol** 1984 Aug 15;33(16):2641–5

Bicarbonaturic effect of acetazolamide in the dog: the influence of graded volume expansion. Gougoux A, et al. **Can J Physiol Pharmacol** 1983 Aug;61(8):911–9

Effects of the diuretics mannitol or acetazolamide on nephrotoxicity and physiological disposition of cisplatin in rats. Osman NM, et al. **Cancer Chemother Pharmacol** 1984; 13(1):58–62

Amelioration of cisplatin-induced nephrotoxicity by the diuretic acetazolamide in F344 rats. Osman NM, et al. **Cancer Treat Rep** 1984 Jul–Aug;68(7–8):999–1004

Acetazolamide and cerebral oxygenation in dogs. Kennealy JA, et al. **Clin Invest Med** 1984;7(2):103–8

Gastric cytoprotection by acetazolamide: role of endogenous prostaglandins. Konturek SJ, et al. **Digestion** 1983; 28(2):125–31

Oxalate and chloride absorption by the rabbit colon: sensitivity to metabolic and anion transport inhibitors. Hatch M, et al. **Gut** 1984 Mar;25(3):232–7

Effect of oral acetazolamide on human aqueous and serum electrolytes. Sharma RG, et al. **Indian J Ophthalmol** 1983 Sep;31(5):521–4

The effects of acetazolamide and spironolactone on the body water distribution of rabbits during acute exposure to simulated a'titude. Jain SC, et al. **Int J Biometeorol** 1984 May;28(2):101–7

Effects of acetazolamide on ionic composition of cisternal fluid during acute respiratory acidosis. Javaheri S, et al. **J Appl Physiol** 1984 Jul;57(1):85–91

The impact of acetazolamide on renal ammoniagenesis and gluconeogenesis. Tannen RL, et al. **J Lab Clin Med** 1983 Oct;102(4):536–42

Effect of acetazolamide on the anticonvulsant potency of several antiepileptic drugs in mice. Sato J, et al. **J Pharmacobiodyn** 1983 May;6(5):295–300

Effect of acetazolamide on barbiturate-induced sleeping time in mice. III. Pharmacokinetics of serum elimination and brain distribution. Sato J, et al. **J Pharmacobiodyn** 1983 Jun;6(6):381–90

Pharmacodynamics of the diuretic effects of aminophylline and acetazolamide alone and combined with furosemide in normal subjects. Brater DC, et al. **J Pharmacol Exp Ther** 1983 Oct;227(1):92–7

Addition of the effects of norepinephrine and acetazolamide to decrease formation of cerebrospinal fluid. Vogh BP, et al. **J Pharmacol Exp Ther** 1984 Apr;229(1):207–9

Renal lymph flow and composition during acetazolamide and furosemide diuresis. Bell RD. **Lymphology** 1984 Mar; 17(1):10–4

Interaction of dietary zinc, genetic strain, and acetazolamide in teratogenesis in mice. Hackman RM, et al. **Teratology** 1983 Dec;28(3):355–68

THERAPEUTIC USE

Treatment of gastroduodenal ulcers with carbonic anhydrase inhibitors. Puşcaş I. **Ann NY Acad Sci** 1984;429:587–91

Treatment of gastric ulcer with carbonic anhydrase inhibitors. Vălean S, et al. **Ann NY Acad Sci** 1984; 429:597–600

The use of carbonic anhydrase inhibitors in ophthalmology and clinical medicine. Wistrand PJ. **Ann NY Acad Sci** 1984; 429:609–19

Timolol and acetazolamide [editorial] Shuster J, et al. **Ann Ophthalmol** 1983 May;15(5):400

Effect of acetazolamide on insulin sensitivity in myotonic disorders. Corbett A, et al. **Arch Neurol** 1984 Jul; 41(7):740–3

Potassium supplements during treatment of glaucoma with acetazolamide. Critchlow AS, et al. **Br Med J [Clin Res]** 1984 Jul 7;289(6436):21

Acetazolamide for acute mountain sickness. **FDA Drug Bull** 1983 Nov;13(3):27

Myopathy in hypokalaemic periodic paralysis: reversal with acetazolamide. Thompson AJ, et al. **Ir Med J** 1984 Jun; 77(6):171–2

Effect of acetazolamide on normoxic and hypoxic exercise in humans at sea level. Schoene RB, et al. **J Appl Physiol** 1983 Dec;55(6):1772–6

Familial intermittent ataxia with possible X-linked recessive inheritance. Two patients with abnormal pyruvate metabolism and a response to acetazolamide. Livingstone IR, et al. **J Neurol Sci** 1984 Apr;64(1):89–97

[Diacarb in the prevention of the aspiration syndrome in the intra- and postoperative period] Storozhuk PG, et al. **Anesteziol Reanimatol** 1983 Nov–Dec;(6):44–7 (Eng. Abstr.) **(Rus)**

TOXICITY

Malformations in nonlimb structures induced by acetazolamide and other inhibitors of carbonic anhydrase. Scott WJ Jr, et al. **Ann NY Acad Sci** 1984;429:447–56

Cognitive impairment of acute mountain sickness and acetazolamide. White AJ. **Aviat Space Environ Med** 1984 Jul;55(7):598–603

Pathogenesis of gastric ulceration produced by acetazolamide in rats. Cho CH, et al. **Digestion** 1984;29(1):5–11

Assessment of adult skeletons to detect prenatal exposure to acetazolamide in mice. Beck SL. **Teratology** 1983 Aug; 28(1):45–66

Potentiation of acetazolamide induced ectrodactyly in SWV and C57BL/6J mice by cadmium sulfate. Kuczuk MH, et al. **Teratology** 1984 Jun;29(3):427–35

ACETIC ACID ESTERS see under **ACETIC ACIDS**

ACETIC ACIDS

Effect of acetic acid on phycocyanin-phycoerythrocyanin mixture extracted from Anabaena variabilis. Almog R, et al. **Arch Biochem Biophys** 1984 Feb 1;228(2):388–96

Dissociation of single-stranded DNA from nucleosomes following modification with acetic anhydride. Jordano J, et al. **Biochem Biophys Res Commun** 1984 Jun 29; 121(3):907–14

Simple analytical method for organophosphorus pesticide determination in unpolished rice, using removal of fats by zinc acetate. Adachi K, et al. **J Assoc Off Anal Chem** 1984 Jul–Aug;67(4):798–800

Simple synthesis of F-18-labeled 2-fluoro-2-deoxy-D-glucose: concise communication. Ehrenkaufer RE, et al. **J Nucl Med** 1984 Mar;25(3):333–7

Trisodium nitrilotriacetate monohydrate: promoting effects on the development of renal tubular cell tumors in rats treated with N-ethyl-N-hydroxyethylnitrosamine. Hiasa Y, et al. **JNCI** 1984 Feb;72(2):483–9

Experience with the disinfectant peroxyacetic acid (PES) for hemodialyzer reuse. Bauer H, et al. **Trans Am Soc Artif Intern Organs** 1983;29:662–5

[Characteristics of collagen preparations labelled in vitro by 14C-acetic anhydrides. Their use for the determination of collagenase activity and as radioactive markers] Berman AE, et al. **Vopr Med Khim** 1984 Jan–Feb;30(1):108–12 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Etodolac, aspirin, and placebo in patients with rheumatoid arthritis: a 12-week study. Edwards W. **Clin Ther** 1983; 5(5):495–503

Fentiazac in osteoarthritis: comparison of BID and QID regimens. Molina-López J. **Clin Ther** 1983;5(5):462–71

External otitis in Dar es Salaam, Tanzania. Kuijlen K, et al. **East Afr Med J** 1983 Mar;60(3):150–5

Acne treatment with topical erythromycin and zinc: effect of Propionibacterium acnes and free fatty acid composition. Strauss JS, et al. **J Am Acad Dermatol** 1984 Jul;11(1):86–9

Net absorption and ruminal concentrations of metabolites in nonpregnant dry Holstein cows before and after intraruminal acetic acid infusion. Huntington GB, et al. **J Dairy Sci** 1983 Sep;66(9):1901–8

Oral zinc supplementation improves hepatic encephalopathy. Results of a randomised controlled trial. Reding P, et al. **Lancet** 1984 Sep 1;2(8401):493–5

The effectiveness of 100 and 200 mg etodolac (Ultradol), aspirin, and placebo in patients with pain following oral surgery. Hutton CE. **Oral Surg** 1983 Dec;56(6):575–80

ADVERSE EFFECTS

Comparison of gastrointestinal blood loss induced by cloximate in two formulations and by naproxen. Rameis H, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 Feb; 22(2):96–8

Reducing patient morbidity from high-efficiency hemodialysis: a double-blind crossover trial. Shimizu AG, et al. **Trans Am Soc Artif Intern Organs** 1983;29:666–8

[Clinical effects of sodium lactate dialysate on acetate intolerance] Yamauchi M, et al. **Nippon Jinzo Gakkai Shi** 1984 Jan;26(1):63–9 (Eng. Abstr.) **(Jpn)**

ANALYSIS

[Forensic chemical determination of acetic acid in the stomach wall] Kakhanovskiĭ FN, et al. **Sud Med Ekspert** 1983 Jul–Sep;26(3):34–5 (Eng. Abstr.) **(Rus)**

BLOOD

Simultaneous determination of fentiazac and p-hydroxyfentiazac in plasma by high-performance liquid chromatography with ultraviolet detection. Dowell PS. **Analyst** 1983 Dec;108(1293):1535–7

CHEMICAL SYNTHESIS

Studies on the synthesis and analgesic and anti-inflammatory activities of 2-thiazolylamino- and 2-thiazolyloxy-arylacetic acid derivatives. Maeda R, et al. **Chem Pharm Bull (Tokyo)** 1983 Oct;31(10):3424–45

Design, synthesis, and testing of potential antisickling agents. 4. Structure-activity relationships of benzyloxy and phenoxy acids. Abraham DJ, et al. **J Med Chem** 1984 Aug; 27(8):967–78

DIAGNOSTIC USE

[Clinical use of 167Tm-tulinitate] Korsunskiĭ VN, et al. **Med Radiol (Mosk)** 1983 Sep;28(9):34–8 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Resolution of etodolac and antiinflammatory and prostaglandin synthetase inhibiting properties of the enantiomers. Demerson CA, et al. **J Med Chem** 1983 Dec; 26(12):1778–80

METABOLISM

Pentagastrin analogues containing alpha-aminooxy acids. VII. Catabolism in vivo and in vitro of a pentagastrin analogue containing N-terminal aminooxyacetyl residue. Varga L, et al. **Acta Med Hung** 1983;40(4):259–70

Uptake of iron and nitrilotriacetate (NTA) in rat liver and the toxic effect of Fe-NTA. Matsuura R. **Acta Med Okayama** 1983 Oct;37(5):393–400

Bioavailability studies with etodolac in dogs and man. Kraml M, et al. **Biopharm Drug Dispos** 1984 Jan–Mar;5(1):63–74

Conversion of glucose, acetate and lactate to CO2 and fatty acids in liver and adipose tissue of prairie voles (Microtus ochrogaster). Baldner GL, et al. **Comp Biochem Physiol [B]** 1984;78(1):145–50

Androgenic control of acetate incorporation into phospholipids and triacylglycerols in rat ventral prostate. Del Hoyo, et al. **Comp Biochem Physiol [B]** 1984; 78(1):299–302

Comparison of methods for the biodegradability evaluation of soluble and insoluble organochemicals. Ruffo C, et al. **Ecotoxicol Environ Safety** 1984 Jun;8(3):275–9

Effect of long-term starvation on acetate and ketone body metabolism in obese patients. Seufert CD, et al. **Eur J Clin Invest** 1984 Apr;14(2):163–70

The effects of retinoic acid on [14C]acetate incorporation into lipids of normal and transformed hamster fibroblasts. Ringler MB, et al. **Exp Cell Res** 1984 Sep;154(1):171–80

Influence of lesions in the limbic-hypothalamic system on metabolic response of acetate to daily repeated heat exposure in rabbit. Seto K, et al. **Exp Clin Endocrinol** 1984 Mar;83(1):49–57

Influence of lesions in the limbic-hypothalamic system on metabolic response of acetate to daily repeated immobilization stress. Seto K, et al. **Exp Clin Endocrinol** 1984 Mar;83(1):37–48

Cholesterogenesis from propionate: facts and speculations. Emmanuel B, et al. **Int J Biochem** 1984;16(8):907–11

Acetate and propionate production in the cecum and proximal colon of lambs. DeGregorio RM, et al. **J Anim Sci** 1984 Jan;58(1):203–7

Ethanol-induced activation of adenine nucleotide turnover. Evidence for a role of acetate. Puig JG, et al. **J Clin Invest** 1984 Sep;74(3):936–41

Effect of propionic acid on kinetics of acetate and oleate and on plasma and milk fatty acid composition of goats. Emmanuel B, et al. **J Dairy Sci** 1984 Jun;67(6):1199–208

PHARMACODYNAMICS

The antiinflammatory profile of (5H-dibenzo[a,d]-cycloheptен-5-ylidene)acetic acid (WY-41,770), an agent possessing weak prostaglandin synthetase inhibitory activity that is devoid of gastric side effects. Carlson RP, et al. **Agents Actions** 1984 Jun; 14(5-6):654–61

Effect of SAS 650 (Furofenac) on malondialydehyde production by platelets. Corbelli GP, et al. **Agents Actions** 1984 Jun;14(5–6):735–7

Effects of glucagon, insulin, propionate, acetate, and HCO3 on K excretion in sheep. Rabinowitz L, et al. **Am J Physiol** 1984 Feb;246(2 Pt 2):R197–204

Clofibric acid, phenylpyruvate, and dichloroacetate inhibition of branched-chain alpha-ketoacid dehydrogenase kinase in vitro and in perfused rat heart. Paxton R, et al. **Arch Biochem Biophys** 1984 May 15; 231(1):58–66

Effects of ligands and pH on the reactions of aspartate aminotransferase with aminooxyacetate and hydroxylamine. Raunio RP, et al. **Arch Biochem Biophys** 1984 Aug 15;233(1):43–9

Inhibition by magnesium and calcium acetates of lead subacetate- and nickel acetate-induced lung tumors in strain A mice. Poirier LA, et al. **Cancer Res** 1984 Apr; 44(4):1520-2

Etodolac, aspirin, and gastrointestinal microbleeding. Arnold JD, et al. **Clin Pharmacol Ther** 1984 May;35(5):716-21

Inhibition by GABA, baclofen and gabapentin of dopamine release from rabbit caudate nucleus: are there common or different sites of action? Reimann W. **Eur J Pharmacol** 1983 Oct 28;94(3-4):341-4

Effects of dichloroacetate on fatty acid synthesis in interscapular brown adipose tissue of the rat in vivo and in vitro. Agius L, et al. **Horm Metab Res** 1983 Oct; 15(10):482-5

Prolactin and milk ejection during the first 20 minutes of suckling in the rat: blockade by Nembutal and by amino oxyacetic acid. Arakelian MC, et al. **Horm Metab Res** 1984 Mar;16(3):154

A steady state kinetic analysis of the reaction of chloroperoxidase with peracetic acid, chloride, and 2-chlorodimedone. Lambeir AM, et al. **J Biol Chem** 1983 Nov 25;258(22):13558-63

Transaminase inhibitors block glycolysis and G1 to S phase progression in chick embryo fibroblasts: reversal by alpha-keto acids. Groelke J, et al. **J Cell Physiol** 1984 Apr; 119(1):133-6

Regulation of rat liver hydroxymethylglutaryl coenzyme A reductase by a new class of noncompetitive inhibitors. Effects of dichloroacetate and related carboxylic acids on enzyme activity. Stacpoole PW, et al. **J Clin Invest** 1983 Nov;72(5):1575-85

Effects of dichloroacetate on brain pyruvate dehydrogenase. Abemayor E, et al. **J Neurochem** 1984 Jan;42(1):38-42

Effects of dichloroacetate on brain tissue pyruvate dehydrogenase. Evans OB. **J Neurochem** 1983 Oct; 41(4):1052-6

Effects of medium acetate on cellular volume in rabbit renal cortical slices. Cooke KR, et al. **J Physiol (Lond)** 1984 Apr; 349:135-56

Effects of acetate and bicarbonate hemodialysis on cardiac function in chronic dialysis patients. Mehta BR, et al. **Kidney Int** 1983 Dec;24(6):782-7

Drug-induced changes in GABA content of nerve endings in 11 rat brain regions. Correlation to pharmacological effects. Löscher W, et al. **Neurosci Lett** 1984 Jun 29; 47(3):325-31

Effects of dichloroacetate and glyoxylate on low density lipoprotein uptake and on growth of cultured fibroblasts. Shireman RB, et al. **Proc Soc Exp Biol Med** 1984 Apr; 175(4):420-3

In vitro binding of acetic acid and its chlorinated derivatives by the soluble glutathione S-transferases from rat liver. Dierickx PJ. **Res Commun Chem Pathol Pharmacol** 1984 May;44(2):327-30

Cisplatinum: effect of zinc acetate pretreatment on cellular uptake and interactions with cytosolic ligands. Sharma RP. **Toxicology** 1984 Jul;32(1):75-84

[Chemical and biological properties of Persteril containing an anticorrosive agent] Kneiflová J.
Cesk Epidemiol Mikrobiol Imunol 1983 Jul;32(4):230-4 (Eng. Abstr.) **(Cze)**

[Bactericidal effect of Persteril solution with added detergents] Podstatová H, et al.
Acta Univ Palacki Olomuc Fac Med 1983;105:143-52 **(Ger)**

[Peracetic acid as disinfectant--a review] Flemming HC.
Zentralbl Bakteriol Mikrobiol Hyg [B] 1984 May; 179(2):97-111 **(Ger)**

[Influence of selected microorganisms on the content of chemical substances of stored therapeutic solutions. VII. Dialysis and hemodialysis fluids--concentrates and their solutions-and Serratia marcescens, 6/46 and Candida albicans 505 strains] Kucharski S, et al.
Acta Pol Pharm 1983;40(5-6):629-35 (Eng. Abstr.) **(Pol)**

[Electron microscopic study of the depolymerization process on unstabilized fibrin as affected by urea or monochloracetic acid] Ul'ianov AM, et al. **Biol Nauki** 1983; (8):59-63 (Eng. Abstr.) **(Rus)**

[Unfolding of nucleosome cores induced by chemical acetylation of histones] Karpenchuk KG, et al.
Mol Biol (Mosk) 1983 Jul-Aug;17(4):855-67 (Eng. Abstr.) **(Rus)**

POISONING

Sodium monochloroacetate poisoning of cattle and sheep. Quick MP, et al. **Vet Rec** 1983 Aug 13;113(7):155-6

[Poisoning with 80% acetic acid] Hakenbeck H, et al.
Z Urol Nephrol 1984 May;77(5):311-4 (Eng. Abstr.) **(Ger)**

[Value of the free hemoglobin level in blood plasma for determining the severity of acetic acid poisoning in different age groups] Dagaev VN, et al.
Sud Med Ekspert 1983 Oct-Dec;26(4):32-4 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Effect of etodolac on articular and bone pathology associated with adjuvant arthritis in rats: a comparison with aspirin and naproxen. Martel RR, et al. **Agents Actions** 1984 Feb; 14(2):257-64

Aminooxyacetic acid provides transient protection against seizures induced by hyperbaric oxygen. Davison AJ. **Brain Res** 1983 Oct 16;276(2):384-7

Etodolac, aspirin, and placebo in patients with degenerative joint disease: a twelve-week study. Andelman SY. **Clin Ther** 1983;5(6):651-61

Fentiazac in postsurgical dental pain. Fandiño LE. **Clin Ther** 1984;6(3):252-8

Fentiazac in the treatment of osteoarthritis and tendinitis. Famaey JP, et al. **Curr Med Res Opin** 1983;8(9):675-81

Transient lactic acidosis and hyperalaninaemia associated with neonatal hyperinsulinaemic hypoglycaemia: the effects of dichloroacetate (DCA). Aynsley-Green A, et al. **Eur J Pediatr** 1983 Dec;141(2):114-7

Dichloroacetate in the treatment of congenital lactic acidosis. Aynsley-Green A, et al. **J Inherited Metab Dis** 1984;7(1):26

Controlled clinical study with Fentiazac suspension in painful inflammatory diseases of children. Catti A. **J Int Med Res** 1983;11(5):298-302

The efficacy of etodolac for patients with pain following oral surgery. Gaston GW, et al. **J Oral Maxillofac Surg** 1984 Jun;42(6):362-6

Treatment of lacticacidosis with dichloroacetate. **Lancet** 1983 Dec 3;2(8362):1288-9

[Treatment of inflammatory disease of the prostate with non-steroid anti-inflammatory agents] Simon J, et al.
Acta Urol Belg 1983;51(4):532-7 (Eng. Abstr.) **(Fre)**

[Sodium acetate in hemodialysis: an out-dated necessity?] Mion CM. **Nephrologie** 1983;4(4-5):157-60 **(Fre)**

[Treatment of epidermal growths with solcoderm] Haim S, et al. **Harefuah** 1983 Feb 1;104(3):89-90 (Eng. Abstr.) **(Heb)**

TOXICITY

Inhibition by magnesium and calcium acetates of lead subacetate- and nickel acetate-induced lung tumors in strain A mice. Poirier LA, et al. **Cancer Res** 1984 Apr; 44(4):1520-2

Nitrilotriacetic acid does not induce sister-chromatid exchanges in hamster or human cells. Ved Brat S, et al. **Food Chem Toxicol** 1984 Mar;22(3):211-5

Tolerance to cadmium in the abdominal stretch response: a comparative study of cadmium and acetic acid. Christensen CW, et al. **J Toxicol Environ Health** 1983 Apr-Jun;11(4-6):739-48

Acetic acid and phenylquinone writhing test: a critical study in mice. Singh PP, et al.
Methods Find Exp Clin Pharmacol 1983 Nov;5(9):601-6

Liver, kidney, and central nervous system toxicity of aluminum given intraperitoneally to rats: a multiple-dose subchronic study using aluminum nitrilotriacetate. Ebina Y, et al. **Toxicol Appl Pharmacol** 1984 Sep 15;75(2):211-8

The teratogenicity of methoxyacetic acid in the rat. Brown NA, et al. **Toxicol Lett** 1984 Jul;22(1):93-100

Effects of dimethoxyethyl phthalate, monomethoxyethyl phthalate, 2-methoxyethanol and methoxyacetic acid on post implantation rat embryos in culture. Yonemoto J, et al. **Toxicol Lett** 1984 Apr;21(1):97-102

ACETIC ANHYDRIDES see under **ACETIC ACIDS**

ACETOACETATES

ADMINISTRATION & DOSAGE

Parenteral feeding at two hypocaloric levels for comparison of glucose-glycerol mixture with the monoglyceride of acetoacetate on urinary nitrogen losses of the rat. Birkhahn RH, et al. **J Nutr** 1984 Sep;114(9):1594-601

ANALYSIS

Determination of alanine, lactate, pyruvate, beta-hydroxybutyrate, and acetoacetate by flow injection analysis (FIA). Weicker H, et al. **Int J Sports Med** 1984 Feb;5(1):47-54

Acetoacetate/beta-hydroxybutyrate ratio in arterial blood and liver during and after liver ischemia--a clue to detect the viability of ischemic liver. Yamamoto M, et al. **Nippon Geka Hokan** 1983 Jul 1;52(4):508-19

BIOSYNTHESIS

Ketone body synthesis from leucine by adipose tissue from different sites in the rat. Yeh YY. **Arch Biochem Biophys** 1984 Aug 15;233(1):10-8

BLOOD

Correlation of whole blood concentrations of acetoacetate, beta-hydroxybutyrate, glucose and milk yield in dairy cows as studied under field conditions. Kauppinen K. **Acta Vet Scand** 1983;24(4):337-48

Evaluation of Ketostix for plasma acetoacetate. Buttery JE, et al. **Am J Clin Pathol** 1984 Oct;82(4):441-3

Ketone bodies in cold-acclimated rats. Goubern M, et al. **Comp Biochem Physiol [B]** 1983;76(4):741-4

Counteractive effects of propionate or 1,2-propanediol against hypoglycemia and ketonemia of tributyrin-treated cows. Hamada T, et al. **J Dairy Sci** 1984 Jul;67(7):1452-6

Changes in acetoacetate/beta-hydroxybutyrate ratio in arterial blood following hepatic artery embolization in man. Tani T, et al. **Life Sci** 1984 Sep 10;35(11):1177-82

[Determination of plasma concentrations of acetoacetic and pyruvic acids by high pressure liquid chromatography] Katrukha SP, et al. **Lab Delo** 1983;(7):33-7 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

Anticholinesterase action of a bromine compound isolated from human cerebrospinal fluid. Yamane M, et al. **J Neurochem** 1984 Jun;42(6):1650-4

METABOLISM

Competition among oxidizable substrates in brains of young and adult rats. Dissociated cells. Roeder LM, et al. **Biochem J** 1984 Apr 1;219(1):131-5

Competition among oxidizable substrates in brains of young and adult rats. Whole homogenates. Roeder LM, et al. **Biochem J** 1984 Apr 1;219(1):125-30

Acetoacetate is a cholesterogenic precursor for myelinating rat brain and spinal cord. Incorporation of label from [3-14C]acetoacetate, [14C]glucose and 3H2O. Lopes-Cardozo M, et al. **Biochim Biophys Acta** 1984 Jul 6;794(2):350-2

Role of acetoacetyl-CoA synthetase in acetoacetate utilization by tumor cells. Tisdale MJ. **Cancer Biochem Biophys** 1984 Jun;7(2):101-7

Acetoacetate: a major substrate for the synthesis of cholesterol and fatty acids by isolated rat hepatocytes. Geelen MJ, et al. **FEBS Lett** 1983 Nov 14;163(2):269-73

PHARMACODYNAMICS

Evidence for possible interrelationship between gluconeogenesis and ketogenesis? Kümmel L. **Biochem Int** 1984 Mar;8(3):393-400

Enhanced intestinal absorption of amino acids and amino acid-like drug by possible formation of enamine in administered solution by the presence of ethylacetoacetate. Nishihata T, et al. **J Pharmacobiodyn** 1984 Mar;7(3):143-50

Different effects of subcutaneous D,L-3-hydroxybutyrate and acetoacetate injections on food intake in rats. Langhans W, et al. **Physiol Behav** 1983 Oct;31(4):483-6

URINE

A gas chromatographic method for the determination of acetone and acetoacetic acid in urine. Kobayashi K, et al. **Clin Chim Acta** 1983 Sep 30;133(2):223-6

ACETOBACTER

ENZYMOLOGY

Purification and properties of NAD-dependent 5,10-methylenetetrahydrofolate dehydrogenase from Acetobacterium woodii. Ragsdale SW, et al. **J Biol Chem** 1984 Mar 25;259(6):3499-503

ACETOIN see under **BUTANONES**

ACETOIN DEHYDROGENASE see under **ALCOHOL OXIDOREDUCTASES**

2-ACETOLACTATE MUTASE see under **ISOMERASES**

ACETOLACTATE SYNTHASE see under **KETOACID-LYASES**

ACETONCHLOROFORM see **CHLOROBUTANOL**

ACETONE

ANALOGS & DERIVATIVES

Synthesis and bioassay of isoprenoid 3-alkylthio-1,1,1-trifluoro-2-propanones: potent, selective inhibitors of juvenile hormone esterase. Prestwich GD, et al. **Arch Biochem Biophys** 1984 Feb 1;228(2):639-45

Ultrastructural alterations in hexafluoroacetone-induced testicular atrophy in the rat. Lee KP, et al. **Exp Mol Pathol** 1984 Feb;40(1):29-37

Toxicokinetics of [14C]hexafluoroacetone in the rat. Gillies PJ, et al. **Toxicol Appl Pharmacol** 1984 Mar 30;73(1):23-9

ANALYSIS

A purge-and-trap method for the analysis of acetone in biological tissues. Holm S, et al. **Anal Biochem** 1984 Jan; 136(1):157-60

[Determination of acetone in the atmosphere] Pinigina IA, et al. **Gig Sanit** 1984 Feb;(2):46-9 **(Rus)**

BLOOD

[Acetonemia in a ewe with an exceptional number of lambs] Everts H. **Tijdschr Diergeneeskd** 1984 Jul 1;109(13):564-5 **(Dut)**

[Perchloroethylene (tetrachloroethylene) exposure with reference to exposure peaks and acetone formation] Buchter A, et al.
Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie 1984 May;34(5):130-6 (Eng. Abstr.) **(Ger)**

[Ketosis and acetonemia in alcoholic intoxication and the effect of teturam. Possible causes and mechanisms of development] Nuzhnyi VP, et al. **Patol Fiziol Eksp Ter** 1983 Nov-Dec;(6):78-81 (44 ref.) **(Rus)**

DIAGNOSTIC USE

Comparison of formalin- and acetone-fixation for immunohistochemical detection of carcinoembryonic antigen (CEA) and keratin. Kaku T, et al. **Am J Clin Pathol** 1983 Dec;80(6):806-15

METABOLISM

Production of formaldehyde and acetone by hydroxyl-radical generating systems during the metabolism of tertiary butyl alcohol. Cederbaum AI, et al. **Biochem Pharmacol** 1983 Dec 1;32(23):3517-24

The metabolism of acetone in rat. Casazza JP, et al. **J Biol Chem** 1984 Jan 10;259(1):231-6

Metabolism of acetone to isopropyl alcohol in rats and humans. Lewis GD, et al. **J Forensic Sci** 1984 Apr; 29(2):541-9

PHARMACODYNAMICS

Studies on the mechanisms of induction of N-nitrosodimethylamine demethylase by fasting, acetone, and ethanol. Miller KW, et al. **Arch Biochem Biophys** 1984 Mar;229(2):483-91

Effect of acetone on aniline hydroxylation by a reconstituted system. Kitada M, et al. **Biochem Pharmacol** 1983 Nov 1; 32(21):3151-5

Response of breath-alcohol analyzers to acetone. Dubowski KM, et al. **J Anal Toxicol** 1983 Sep-Oct;7(5):231-4

TOXICITY

Potentiation of the hepatotoxicity of N-nitrosodimethylamine by fasting, diabetes, acetone, and isopropanol. Lorr NA, et al. **Toxicol Appl Pharmacol** 1984 May;73(3):423-31

URINE

A gas chromatographic method for the determination of acetone and acetoacetic acid in urine. Kobayashi K, et al. **Clin Chim Acta** 1983 Sep 30;133(2):223-6

ACETONE BODIES see **KETONE BODIES**

ACETONITRILES

CHEMICAL SYNTHESIS

[Synthesis and spectrum of pharmacologic action of aryl-arylamino- and aryl-aryliminoacetonitriles] Barnikow G, et al. **Pharmazie** 1983 Jul;38(7):449-52 (Eng. Abstr.) **(Ger)**

METABOLISM

[Biotransformation and pharmacokinetics of (3,4-dichloroanilino)phenylacetonitrile (H 74)] Borchert HH, et al. **Pharmazie** 1983 Jul;38(7):456-9 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Alternate substrates of dopamine beta-hydroxylase. III. Stoichiometry of the inactivation reaction with benzyl cyanides and spectroscopic investigations. Colombo G, et al. **J Biol Chem** 1984 Feb 10;259(3):1607-15

Inhibitory characteristics of 3,5-dibromo-1-acetoxy-4-oxo-2,5-cyclohexadien-1-aceto a semisynthetic derivative of aeroplysinin-1 from sponges (Aplysinidae), on Na+ - K+-ATPase. Gorshkov BA, et al. **Toxicon** 1984;22(3):441-9

[Spasmolytic activity of (3,4-dichloroanilino)phenylacetonitrile (H 74) and its analogs] Hagen A, et al. **Pharmazie** 1983 Jul;38(7):460-2 (Eng. Abstr.) **(Ger)**

TOXICITY

Mutagenic activity of the liquid waste from the production of acetonitrile. Brown KW, et al. **Bull Environ Contam Toxicol** 1984 Jun;32(6):742-8

ACETOPHENETIDIN see **PHENACETIN**

ACETOPHENONES

CHEMICAL SYNTHESIS

Syntheses and evaluation of some mannich bases derived from acetophenones against P388 lymphocytic leukemia and toxicological assessment of 3-dimethyl-amino-2-dimethylaminomethyl-1-(4-methoxy dihydrochloride in rats. Dimmock JR, et al. **J Pharm Sci** 1984 Apr;73(4):471-7

METABOLISM

Cleavage of formate from omega,4-dihydroxyacetophenone. An unusual oxygen-requiring reaction in the bacterial catabolism of 4-hydroxyacetophenone. Hopper DJ, et al. **Biochem J** 1984 Feb 15;218(1):269-72

Studies on the percutaneous absorption of paeonol by using stable isotopes. Mimura K, et al. **Chem Pharm Bull (Tokyo)** 1983 Oct;31(10):3698-706

PHARMACODYNAMICS

Inhibition by mepacrine and p-bromophenacylbromide of phosphoinositide hydrolysis, glucose oxidation, calcium uptake and insulin release in rat pancreatic islets. Best L, et al. **Biochem Pharmacol** 1984 Aug 15;33(16):2657-62

Nonspecific inhibition of enzymes by p-bromophenacyl bromide. Inhibition of human platelet phospholipase C and modification of sulfhydryl groups. Kyger EM, et al. **Biochim Biophys Acta** 1984 Jun 6;794(1):96-103

Evaluation of some Mannich bases derived from substituted acetophenones against P-388 lymphocytic leukemia and on respiration in isolated rat liver mitochondria. Dimmock JR, et al. **J Pharm Sci** 1983 Aug;72(8):887-94

Calmodulin, phospholipase, and exocytosis. p-Bromophenacyl bromide inhibits but mepacrine stimulates secretion in rat mast cells. Nemeth EF, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1983 Sep; 324(1):38-45

[Experimental study on increased griseofulvin bioavailability with p-hydroxyacetophenone] Fong SK, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1983 Apr; 5(2):136-8 (Eng. Abstr.) **(Chi)**

THERAPEUTIC USE

[The effect of p-bromophenacylbromide, a phospholipase A inhibitor, in experimental acute pancreatitis in rats] Zöch G, et al. **Res Exp Med (Berl)** 1984;184(3):179-89 (Eng. Abstr.) **(Ger)**

TOXICITY

Some biological properties of the impure dichloride salt of tetrakis[p-(dimethylamino)phenyl]ethylene and a pinacolone. LePage GA, et al. **J Med Chem** 1983 Nov; 26(11):1645-7

Mutagenicity of flavones, chromones and acetophenones in Salmonella typhimurium. New structure-activity relationships. Elliger CA, et al. **Mutat Res** 1984 Feb; 135(2):77-86

ACETOPROMAZINE see **ACEPROMAZINE**

ACETOXYACETYLAMINOFLUORENE see under **2-ACETYLAMINOFLUORENE**

ACETYL COA see **ACETYL COENZYME A**

ACETYL COA ACETYLTRANSFERASE see under **ACETYLTRANSFERASES**

ACETYL COA ACYLTRANSFERASE see under **ACYLTRANSFERASES**

ACETYL COA CARBOXYLASE see under **LIGASES**

ACETYL COA HYDROLASE see under **THIOLESTER HYDROLASES**

ACETYL COENZYME A

ANALOGS & DERIVATIVES

Preparation of bromo[1-14C]acetyl-coenzyme A as an affinity label for acetyl-coenzyme A binding sites. Lowe DM, et al. **Anal Biochem** 1983 Jul 15;132(2):276-84

On the possible mechanism of phenylacetate neurotoxicity: inhibition of choline acetyltransferase by phenylacetyl-CoA. Potempska A, et al. **J Neurochem** 1984 May;42(5):1499-501

ANALYSIS

Malonate, malonyl-coenzyme A, and acetyl-coenzyme A in developing rat brain. Mitzen EJ, et al. **J Neurochem** 1984 Aug;43(2):499-506

BIOSYNTHESIS

The synthesis of acetyl-CoA by Clostridium thermoaceticum from carbon dioxide, hydrogen, coenzyme A and methyltetrahydrofolate. Pezacka E, et al. **Arch Microbiol** 1984 Jan;137(1):63-9

Pathways of acetyl CoA production for lipogenesis from acetoacetate, beta-hydroxybutyrate, pyruvate and glucose in neonatal rat lung. Sheehan PM, et al. **Lipids** 1984 Feb; 19(2):103-8

METABOLISM

Preparation of bromo[1-14C]acetyl-coenzyme A as an affinity label for acetyl-coenzyme A binding sites. Lowe DM, et al. **Anal Biochem** 1983 Jul 15;132(2):276-84

Determination of malonyl-coenzyme A in rat heart, kidney, and liver: a comparison between acetyl-coenzyme A and butyryl-coenzyme A as fatty acid synthase primers in the assay procedure. Singh B, et al. **Anal Biochem** 1984 Apr; 138(1):107-11

Role of N-acetylglutamate and acetyl-CoA in the inhibition of ureagenesis by isovaleric acid in isolated rat hepatocytes. Coude FX, et al. **Biochim Biophys Acta** 1983 Nov 22; 761(1):13-6

Acetylcoenzyme A and the synthesis of acetylcholine in neurones: review of recent progress. Tuček S. **Gen Physiol Biophys** 1983 Aug;2(4):313-24 (72 ref.)

Regulation of enzymes by fatty acyl coenzyme A. Interactions of short and long chain spin-labeled acyl-CoA with the acetyl-CoA site on pig heart citrate synthase. Hansel BC, et al. **J Biol Chem** 1984 Feb 10;259(3):1423-30

Transient kinetic studies of fatty acid synthetase. A kinetic self-editing mechanism for the loading of acetyl and malonyl residues and the role of coenzyme A. Soulié JM, et al. **J Biol Chem** 1984 Jan 10;259(1):134-40

ATP-citrate lyase and other enzymes of acetyl-CoA metabolism in fractions of small and large synaptosomes from rat brain hippocampus and cerebellum. Szutowicz A, et al. **J Neurochem** 1983 Nov;41(5):1502-5

[Biosynthesis of mevalonic acid, sterols and bile acids from acetyl-CoA and malonyl-CoA in the human liver] Klimov AN, et al. **Biokhimiia** 1983 Nov;48(11):1862-9 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Inhibition by acetyl-CoA of hepatic carnitine acyltransferase and fatty acid oxidation. McCormick K, et al. **Biochem J** 1983 Nov 15;216(2):499-502

The effect of acetyl-CoA supplementation on the mutagenicity of benzidines in the Ames assay. Kennelly JC, et al. **Mutat Res** 1984 Jul;137(1):39-45

ACETYL COENZYME A SYNTHETASE see under **COENZYME A SYNTHETASES**

ACETYL GLYCERYL ETHER PHOSPHORYLCHOLINE see **PLATELET ACTIVATING FACTOR**

2-ACETYLAMINOFLUORENE

Effect of azathioprine and carbon tetrachloride on induction of hyperplastic liver nodule and hepatocellular carcinoma by diethylnitrosamine and N-2-fluorenylacetamide in rats. Sakata T, et al. **Ann NY Acad Sci** 1983;417:288-93

Sialoglycoconjugate changes during 2-acetylaminofluorene-induced hepatocarcinogenesis in the rat. Creek KE, et al. **Biochim Biophys Acta** 1984 Apr 18;793(2):133-40

Spectroscopic study of the effects of C-alkylation of N-acetoxy-N-acetyl-2-aminofluorene on some properties of the carcinogen-modified DNA. Spodheim-Maurizot M, et al. **Cancer Biochem Biophys** 1983;6(4):261-7

Role of dolichyl phosphate in regulation of protein glycosylation in 2-acetylaminofluorene-induced carcinogenesis in rat liver. Eggens I, et al. **Cancer Res** 1984 Feb;44(2):799-805

Hybridocytochemistry with 2-acetylaminofluorene-modified probes. Landegent JE, et al. **Cell Biol Int Rep** 1984 Mar; 8(3):186

2-Acetylaminofluorene-modified probes for the indirect hybridocytochemical detection of specific nucleic acid sequences. Landegent JE, et al. **Exp Cell Res** 1984 Jul; 153(1):61-72

High susceptibility of specific inbred colonies of rats to n-2-fluorenylacetamide-induced hepatocarcinogenesis. Ohmori T, et al. **Gann** 1983 Dec;74(6):822-8

An immunochemical examination of acetylaminofluorene-modified poly(dG-dC) X poly(dG-dC) in the Z-conformation. Hanau LH, et al. **J Biol Chem** 1984 Jan 10;259(1):173-8

Neoplastic conversion in rat liver by the antihistamine methapyrilene demonstrated by a sequential syncarcinogenic effect with N-2-fluorenylacetamide. Furuya K, et al. **Toxicol Appl Pharmacol** 1984 Jun 15; 74(1):63-9

[The C cell system and experimental thyroid apudomas in the rat: the combined action of 2-acetylaminofluorene and chlorpromazine in inducing systemic medullary type tumors. An ultrastructural study] Théret CG, et al. **C R Seances Acad Sci [III]** 1984;298(4):77-84 (Eng. Abstr.) **(Fre)**

ADMINISTRATION & DOSAGE

Studies on the proliferation and fate of oval cells in the liver of rats treated with 2-acetylaminofluorene and partial hepatectomy. Tatematsu M, et al. **Am J Pathol** 1984 Mar; 114(3):418-30

ANALOGS & DERIVATIVES

Heterogeneity of rat hepatocytes in transport and hepatic binding of asialoalkaline phosphatase studied after induction of selective acinar damage by N-hydroxy-2-acetylaminofluorene and carbon tetrachloride. Groothuis GM, et al. **Biochem Pharmacol** 1983 Sep 15;32(18):2721-7

Effects of adduct formation on the biological activity of single- and double-stranded øX174 DNA, modified by N-acetoxy-N-acetyl-2-aminofluorene. Lutgerink JT, et al. **Biochim Biophys Acta** 1984 Feb 24;781(1-2):81-91

C-alkylation of N-acetoxy-N-2-acetylaminofluorene: effects on its reaction with DNA in vitro. Saint-Ruf G, et al. **Cancer Biochem Biophys** 1984 Jun;7(2):89-99

Induction of ornithine decarboxylase and augmentation of tyrosine aminotransferase activity by N-hydroxy-2-acetylaminofluorene and 2-acetylaminofluorene in rat liver. Influence of sex, retinylacetate, indomethacin, and pentachlorophenol. Bisschop A, et al. **Cancer Invest** 19: 4;2(4):267-77

Aberrant de novo methylation of DNA after treatment of murine cells with N-acetoxy-N-2-acetylaminofluorene. Boehm TL, et al. **Cancer Res** 1983 Dec;43(12 Pt 1):6066-71

Perturbations of enzymic uracil excision due to guanine modifications in DNA. Duker NJ, et al. **Cancer Res** 1984 Feb;44(2):602-4

Metabolic activation and genotoxicity of N-hydroxy-2-acetylaminofluorene and N-hydroxyphenacetin derivatives in Reuber (H4-II-E) hepatoma cells. Glowinski IB, et al. **Cancer Res** 1984 Mar; 44(3):1098-104

Site specific cleavage of phi X-174 replicative form DNA after modification by N-acetoxy-N-2-acetylaminofluorene. Bases R, et al. **Carcinogenesis** 1983 Nov;4(11):1445-50

Formation and removal of DNA adducts in rat liver treated with N-hydroxy derivatives of 2-acetylaminofluorene, 4-acetylaminobiphenyl, and 2-acetylaminophenanthrene. Gupta RC, et al. **Carcinogenesis** 1984 Mar;5(3):343-9

Interactions of caffeine and phenobarbital on sister chromatid exchanges in rat liver epithelial cell lines treated with 2-acetyl-aminofluorene and N-acetoxy-2-acetylaminofluorene. Exilie-Frigere MF, et al. **Cell Biol Int Rep** 1984 Apr;8(4):329-35

An internal fluorene model for iodo-N-2-acetylaminofluorene modified DNA. Broyde S, et al. **Chem Biol Interact** 1983 Oct 15;47(1):69-78

Preferential reaction of the carcinogen N-acetoxy-2-acetylaminofluorene with satellite DNA. Melchior WB Jr, et al. **Chem Biol Interact** 1984 Apr; 49(1-2):177-87

Unscheduled DNA synthesis induced by N-acetoxy-2-acetylaminofluorene is not sensitive to regulation by ADP-ribosyl transferase. Pero RW, et al. **Chem Biol Interact** 1983 Dec;47(3):265-75

A genetic component of the variance of N-acetoxy-2-acetylaminofluorene-induced DNA damage in mononuclear leukocytes determined by a twin study. Pero RW, et al. **Hum Genet** 1983;65(2):181-4

DNA binding spectrum of the carcinogen N-acetoxy-N-2-acetylaminofluorene significantly differs from the mutation spectrum. Fuchs RP. **J Mol Biol** 1984 Jul 25;177(1):173-80

Carcinogen-induced mutation spectrum in wild-type, uvrA and umuC strains of Escherichia coli. Strain specificity and mutation-prone sequences. Koffel-Schwartz N, et al. **J Mol Biol** 1984 Jul 25;177(1):33-51

Effects of margarine on hepatocarcinogenesis by N,N'-2,7-fluorenylenebisacetamide in mice. Yanagi S, et al. **Oncology** 1984;41(2):101-5

Stimulation of recombination between homologous sequences on plasmid DNA and chromosomal DNA in Escherichia coli by N-acetoxy-2-acetylaminofluorene. Luisi-DeLuca C, et al. **Proc Natl Acad Sci USA** 1984 May;81(9):2831-5

Genesis of unusual vesicles in rat periportal hepatocytes after administration of N-hydroxy-2-acetylaminofluorene. Groothuis GM, et al. **Virchows Arch [Cell Pathol]** 1984; 46(1-2):77-82

METABOLISM

Differential effect of chronic ethanol consumption by the rat on microsomal oxidation of hepatocarcinogens and their activation to mutagens. Smith BA, et al. **Biochem Pharmacol** 1984 Sep 15;33(18):2901-10

Metabolism of 2-acetylaminofluorene by two 3-methylcholanthrene-inducible forms of rat liver cytochrome P-450. Goldstein JA, et al. **Cancer Res** 1984 Sep;44(9):3768-71

Effect of glutathione levels, sulfate levels, and metabolic inhibitors on covalent binding of 2-amino-3-methylimidazo[4,5-f]quinoline and 2-acetylaminofluorene to cell macromolecules in primary monolayer cultures of adult rat hepatocytes. Loretz LJ, et al. **Carcinogenesis** 1984 Jul;5(7):895-9

Non-random interaction of N-2-acetylaminofluorene and its N-hydroxy metabolite with DNA of rat hepatic parenchymal and non-parenchymal cell nuclei following in vivo administration of carcinogen. Baranyi-Furlong BL, et al. **Chem Biol Interact** 1984 Jan;48(1):15-28

Dietary and age influence on the pharmacokinetic parameters of 2-acetylaminofluorene in BALB/c mice. Young JF, et al. **Fundam Appl Toxicol** 1984 Apr;4(2 Pt 1):164-9

Use of the hamster embryo cell transformation assay to detect metabolic activation of N-2-acetylaminofluorene by intact organ cells. Poiley JA, et al. **J Appl Toxicol** 1983 Dec; 3(6):326-31

Oxidative activation and inactivation of the carcinogen 2-acetylaminofluorene by various purified cytochromes P-450 from 3-methylcholanthrene pretreated rats. Lotlikar PD, et al. **Toxicol Lett** 1984 Apr;21(1):111-8

Light reversal of carbon monoxide inhibition of 2-acetylaminofluorene N- and ring-hydroxylations by liver microsomes from 3-methylcholanthrene pretreated hamsters. Lotlikar PD, et al. **Toxicol Lett** 1983 Oct-Nov; 19(1-2):51-6

Rabbit liver microsomal 2-acetylamino- and 2-aminofluorene N-hydroxylase. Razzouk C, et al. **Toxicol Lett** 1983 Aug;18(1-2):115-20

In vitro activation of the promutagens 2-acetamidofluorene, cyclophosphamide and 7,12-dimethylbenzanthracene by constitutive ferret and rat hepatic S-9 fractions. Frederick KA, et al. **Toxicology** 1984 May 1;31(1):73-86

PHARMACODYNAMICS

Light- and electron-microscopic autoradiographic analysis of proliferating cells during the early stages of chemical hepatocarcinogenesis in the rat induced by feeding N-2-fluorenylacetamide in a choline-deficient diet. Sell S, et al. **Am J Pathol** 1984 Feb;114(2):287-300

The induction of cytochrome P-450 and monooxygenase activities in the chick embryo by 2-acetylaminofluorene. Darby NJ, et al. **Biochem Biophys Res Commun** 1984 Feb 29;119(1):382-8

Induction of xenobiotic-metabolizing enzymes by trans-stilbene oxide and 2-acetylaminofluorene: observations on enzyme induction by drugs. DePierre JW, et al. **Biochem Soc Trans** 1984 Feb;12(1):58-60

Induction of ornithine decarboxylase and augmentation of tyrosine aminotransferase activity by N-hydroxy-2-acetylaminofluorene and 2-acetylaminofluorene in rat liver. Influence of sex, retinylacetate, indomethacin, and pentachlorophenol. Bisschop A, et al. **Cancer Invest** 1984;2(4):267-77

Effect of 2-acetylaminofluorene on the binding of epidermal growth factor to microsomal and Golgi fractions of rat liver cells. Josefsberg Z, et al. **Cancer Res** 1984 Jul; 44(7):2754-7

Elevation of hepatic microsomal epoxide hydrolase activity by 2-acetylaminofluorene: strain and species differences. Graichen ME, et al. **Carcinogenesis** 1984 Jan;5(1):23-8

13C-NMR studies of the effects of the carcinogen acetylaminofluorene on the conformation of dinucleoside monophosphate. Alderfer JL, et al. **Chem Biol Interact** 1984 Jan;48(1):69-80

pBR322 plasmid DNA modified with 2-acetylaminofluorene derivatives: transforming activity and in vitro strand cleavage by the Escherichia coli uvrABC endonuclease. Fuchs RP, et al. **EMBO J** 1984 Apr;3(4):757-60

Plasma amino acids and excretion of protein end products by mice fed 10 or 40% soybean protein diets with or without dietary 2-acetylaminofluorene or N,N-dinitrosopiperazine. Hevia P, et al. **J Nutr** 1984 Mar; 114(3):555-64

Effects of the hepatocarcinogen 2-acetylaminofluorene on insulin binding to microsomal and Golgi fractions of rat liver cells. Lev-Ran A, et al. **JNCI** 1984 Aug;73(2):505-9

Induction of retrovirus gene expression by aflatoxin B1 and 2-acetylaminofluorene. Rascati RJ, et al. **Mutat Res** 1983 Dec;122(3-4):235-41

Interaction of DNA methyltransferase with aminofluorene and N-acetylaminofluorene modified poly(dC-dG). Ruchirawat M, et al. **Nucleic Acids Res** 1984 Apr 11; 12(7):3357-72

TOXICITY

Androgen receptor-mediated genetic differences in 2-acetylaminofluorene and dimethylnitrosamine mutagenesis in vitro. Fysh JM, et al. **Anticancer Res** 1983 Sep-Oct;3(5):305-10

Dose-dependent reduction of N-2-fluorenylacetamide-induced liver cancer and enhancement of bladder cancer in rats by butylated hydroxytoluene. Maeura Y, et al. **Cancer Res** 1984 Apr; 44(4):1604-10

Use of two sequential applications of initiators in the production of hepatomas in the rat: an examination of the Solt-Farber protocol. Potter VR. **Cancer Res** 1984 Jun; 44(6):2733-6

Redifferentiation as a basis for remodeling of carcinogen-induced hepatocyte nodules to normal appearing liver. Tatematsu M, et al. **Cancer Res** 1983 Nov; 43(11):5049-58

Modification of the development of N-nitrosomorpholine-induced hepatic lesions by 2-acetylaminofluorene, phenobarbital and 4,4'-diaminodiphenylmethane: a sequential histological and histochemical analysis. Ito N, et al. **Carcinogenesis** 1984 Mar;5(3):335-42

The genotoxicity of aromatic amines in primary hepatocytes isolated from C57BL/6 and DBA/2 mice. Møller ME, et al. **Carcinogenesis** 1984 Jun;5(6):797-804

Distinction between liver neoplasm promoting and syncarcinogenic effects demonstrated by exposure to phenobarbital or diethylnitrosamine either before or after N-2-fluorenylacetamide. Williams GM, et al. **Carcinogenesis** 1984 Feb;5(2):171-4

Interactions of caffeine and phenobarbital on sister chromatid exchanges in rat liver epithelial cell lines treated with 2-acetyl-aminofluorene and N-acetoxy-2-acetylaminofluorene. Exilie-Frigere MF, et al. **Cell Biol Int Rep** 1984 Apr;8(4):329-35

Damage to specific hepatic DNA base sequences following exposure to the hepatocarcinogen 2-acetylaminofluorene. Baranyi-Furlong BL, et al. **Dev Toxicol Environ Sci** 1983; 11:363-6

Enhancing effect of butylated hydroxytoluene on the development of liver altered foci and neoplasms induced by N-2-fluorenylacetamide in rats. Maeura Y, et al. **Food Chem Toxicol** 1984 Mar;22(3):191-8

Controlled genetic variation in a subchronic toxicity assay: susceptibility to induction of bladder hyperplasia in mice by 2-acetylaminofluorene. Wolff GL, et al. **J Toxicol Environ Health** 1983 Aug-Sep;12(2-3):255-65

Association between cage shelf level and spontaneous and induced neoplasms in mice. Greenman DL, et al. **JNCI** 1984 Jul;73(1):107-13

Early stages of N-2-fluorenylacetamide-induced hepatocarcinogenesis in male and female rats and effect of gonadectomy on liver neoplastic conversion and neoplastic development. Katayama S, et al. **JNCI** 1984 Jul; 73(1):141-9

Normal liver chromatin contains a firmly bound and larger protein related to the principal cytosolic target polypeptide of a hepatic carcinogen. Vinores SA, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(7):2092-6

Mutagenic, cytotoxic, and teratogenic effects of 2-acetylaminofluorene and reactive metabolites in vitro. Faustman-Watts EM, et al. **Teratogenesis Carcinog Mutagen** 1984;4(3):273-83

[Alpha-fetoprotein and blockade of the sexual cycle] Seralini GE, et al. **C R Seances Acad Sci [III]** 1984;298(14):397-402 (Eng. Abstr.) **(Fre)**

ACETYLATION see under **CHEMISTRY, ORGANIC**

ACETYLCARNITINE see under **CARNITINE**

ACETYLCHOLINE

Intra-atrial reentry as a mechanism for atrial flutter induced by acetylcholine and rapid pacing in the dog. Allessie MA, et al. **Circulation** 1984 Jul;70(1):123-35

Nicorandil releases acetylcholine-induced sustained coronary arterial constriction in monkeys and baboons. Satoh K, et al. **Jpn Heart J** 1984 Mar;25(2):267-73

[Interaction of acetylcholine and tubocurarine with protein molecules of the actin complex and phosphatidylcholine] Egiazarova AR, et al. **Biofizika** 1983 Jul-Aug;28(4):625-8 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Vascular hypotension and bradycardia following intraocular injection of acetylcholine during cataract surgery. Brinkley JR Jr, et al. **Am J Ophthalmol** 1984 Jan;97(1):40-2

Vascular hypotension and bradycardia following intraocular injection of acetylcholine during cataract surgery [letter] Marmion VJ. **Am J Ophthalmol** 1984 Jun;97(6):799-80

Vascular hypotension and bradycardia following intraocular injection of acetylcholine during cataract surgery [letter] Mutch JD. **Am J Ophthalmol** 1984 Jun;97(6):803

Bronchospasm following intraocular injection of acetylcholine in a patient taking metoprolol. Rasch D, et al. **Anesthesiology** 1983 Dec;59(6):583-5

Acetylcholine-induced bronchospasm in asthma patients: dose/response curves. Taytard A, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 2):513-4

ANALOGS & DERIVATIVES

Synthesis and properties of NBD-n-acylcholines, fluorescent analogs of acetylcholine. Meyers HW, et al. **Eur J Biochem** 1983 Dec 15;137(3):399-404

Conductances of single ion channels opened by nicotinic agonists are indistinguishable. Gardner P, et al. **Nature** 1984 May 10-16;309(5964):160-2

Spontaneous release of acetylcholine and acetylhomocholine from mouse forebrain minces: cytoplasmic or vesicular origin. Carroll PT. **Neurochem Res** 1983 Oct;8(10):1271-83

Release of acetylcholine from fragments of human term placenta and effects of the choline acetyltransferase inhibitor (2-benzoylethyl)trimethylammonium iodide. Welsch F, et al. **Res Commun Chem Pathol Pharmacol** 1983 Aug;41(2):179-96

[Structure- and conformation-activity relationships of heterocyclic acetylcholine analogs, 18. Synthesis and muscarine-type activity of sulfoarecaidine and sulfoisoarecaidine esters] Moser U, et al. **Arch Pharm (Weinheim)** 1983 Aug;316(8):670-7 (Eng. Abstr.) **(Ger)**

ANALYSIS

Determination of picomole quantities of acetylcholine and choline in physiologic salt solutions. Gilberstadt ML, et al. **Anal Biochem** 1984 Apr;138(1):78-85

Effects of oral phosphatidylcholine on mouse brain choline and acetylcholine. Domino EF, et al. **Arch Int Pharmacodyn Ther** 1983 Sep;265(1):49-54

Acetylthiocholinesterase and Hirschsprung's disease [letter] **Arch Pathol Lab Med** 1983 Dec;107(12):661-2

Spinal cord acetylcholine content: the consequence of transection or treatment with the neurotoxin 6-aminonicotinamide. Potter PE, et al. **Brain Res** 1984 Jun 11;303(1):87-90

Acetylcholine and an unidentified, muscle-contracting factor in the venom of the bumblebee, Bombus terrestris L. Piek T, et al. **Comp Biochem Physiol [C]** 1983;75(2):351-6

Effect of a stereospecific D2-dopamine agonist on acetylcholine concentration in corpus striatum of rat brain. Wong DT, et al. **J Neural Transm** 1983;58(1-2):55-67

Effects of organophosphorus compounds, O,O-dimethyl O-(2,2-dichlorovinyl)phosphate (DDVP) and O,O-dimethyl O-(3-methyl 4-nitrophenyl)phosphorothioate (fenitrothion), on brain acetylcholine content and acetylcholinesterase activity in Japanese quail. Kobayashi H, et al. **Toxicology** 1983; 28(3):219-27

[Neuronal electrical activity and acetylcholine concentration in the cortical projection area of afferent nociceptive signals] Limanskiĭ IuP, et al. **Fiziol Zh** 1984 May–Jun; 30(3):295–302 (Eng. Abstr.) **(Rus)**

[Content of serotonin, noradrenaline, adrenaline and acetylcholine in the gastric juice of normal children] Shestakova VN, et al. **Lab Delo** 1984;(6):382–3 **(Rus)**

ANTAGONISTS & INHIBITORS

Amiloride is a cholinergic antagonist in the rabbit pancreas. Kuijpers GA, et al. **Biochim Biophys Acta** 1984 Jun 19; 804(2):237–44

Protective effect of oral oxyphenonium bromide, terbutaline and theophylline against the bronchial obstructive effects of inhaled histamine, acetylcholine and propranolol. Koëter GH, et al. **Eur J Clin Pharmacol** 1984;26(4):435–41

Anti-spasmogenic effect of cyproheptadine on guinea-pig ileum. Reylon V, et al. **Indian J Physiol Pharmacol** 1983 Oct–Dec;27(4):342–4

Substance P reduces acetylcholine-induced currents in isolated bovine chromaffin cells. Clapham DE, et al. **J Physiol (Lond)** 1984 Feb;347:255–77

On the inhibitory mechanism of bassianolide, a cyclodepsipeptide, in acetylcholine-induced contraction in guinea-pig taenia coli. Nakajyo S, et al. **Jpn J Pharmacol** 1983 Jun;33(3):573–82

Inhibitory actions of vecuronium bromide on acetylcholine and glutamate responses at the frog and crayfish neuromuscular junction. Shinozaki H, et al. **Jpn J Pharmacol** 1984 Mar;34(3):299–306

Barbiturate effects on acetylcholine-activated channels in Aplysia neurons. Wachtel RE, et al. **Mol Pharmacol** 1983 Nov;24(3):449–57

Inhibitory effects of procaine on the contractile responses of the guinea-pig taenia caecum to acetylcholine, substance P and potassium chloride. Ishii T, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Jun; 326(2):175–80

Substance P modulation of acetylcholine-induced currents in embryonic chicken sympathetic and ciliary ganglion neurons. Role LW. **Proc Natl Acad Sci USA** 1984 May; 81(9):2924–8

[Pharmacological studies on oxatomide (KW-4354). (7) Antagonistic effects on chemical mediators] Ohmori K, et al. **Nippon Yakurigaku Zasshi** 1983 May;81(5):399–409 (Eng. Abstr.) **(Jpn)**

[Blocking effect of furosemide on the chloride permeability of mollusk neuron membranes induced by acetylcholine and gamma-aminobutyric acid] Zelmal' EV, et al. **Neirofiziologiia** 1983;15(6):589–95 (Eng. Abstr.) **(Rus)**

[Comparative analysis of trazodone and imipramine against acetylcholine and electrical stimulation in the isolated guinea pig ileum] Alvarez FJ, et al. **Arch Farmacol Toxicol** 1983 Dec;9(3):263–8 (Eng. Abstr.) **(Spa)**

BIOSYNTHESIS

Acetylcoenzyme A and the synthesis of acetylcholine in neurones: review of recent progress. Tuček S. **Gen Physiol Biophys** 1983 Aug;2(4):313–24 (72 ref.)

Activation of feline acetylcholine synthesis in the absence of release: dependence on sodium, calcium and the sodium pump. Birks RI. **J Physiol (Lond)** 1983 Nov;344:347–57

Dementia in the elderly: biochemical aspects. Bowen DM, et al. **J R Coll Physicians Lond** 1984 Jan;18(1):25–7 (42 ref.)

Impairment of acetylcholine synthesis in thiamine deficient rats developed by prolonged tea consumption. Ruenwongsa P, et al. **Life Sci** 1984 Jan 23;34(4):365–70

An in vivo cholinergic influence on the retention of [3H]noradrenaline in regional brain synaptosomes. Campos HA, et al. **Neurochem Res** 1984 May;9(5):607–15

Neuromuscular system of piglets with splayleg: the synthesis of acetylcholine and the myelinization and ultrastructure of peripheral nerve fibres. Tuček S, et al. **Physiol Bohemoslov** 1984;33(2):147–53

Blockade of acetylcholine synthesis in organophosphate poisoning. Hopff WH, et al. **Toxicol Appl Pharmacol** 1984 Mar 15;72(3):513–8

BLOOD

[Dynamics of the changes in catecholamine and acetylcholine content of the blood in prolonged exposure to a high-induction permanent magnetic field] Klimovskaia LD, et al. **Izv Akad Nauk SSSR [Biol]** 1983 Jul–Aug; (4):606–9 (Eng. Abstr.) **(Rus)**

[Age and sex differences in the features of neurohumoral shifts in myocardial infarct patients] Shpak LV. **Kardiologiia** 1984 Jan;24(1):88–91 **(Rus)**

[Biological method of determining acetylcholine] Vinnitskaia KB, et al. **Lab Delo** 1984;(2):115–8 (Eng. Abstr.) **(Rus)**

[Several biochemical mechanisms of the pathogenesis of Huntington chorea] Barkhatova VP, et al. **Zh Nevropatol Psikhiatr** 1983;83(7):1038–45 (Eng. Abstr.) **(Rus)**

DIAGNOSTIC USE

Prognostic value of acetylcholine challenge test: a prospective study. Pham QT, et al. **Br J Ind Med** 1984 May;41(2):267–71

[Bronchial response to acetylcholine and Dermatophagoides pteronissimus in asymptomatic asthmatics] Machiels J, et al. **Bull Eur Physiopathol Respir** 1983 Sep–Oct;19(5):483–8 (Eng. Abstr.) **(Fre)**

[Influence of alternation in the period of acetylcholine aerosol inhalation on the respiratory threshold of acetylcholine in acetylcholine inhalation tests. Cumulative dose-effect of acetylcholine administered in serially increasing doses] Fukuda T, et al. **Arerugi** 1984 Jan;33(1):52–8 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of standard method of acetylcholine inhalation test in bronchial asthma] Makino S, et al. **Arerugi** 1984 Mar;33(3):167–75 (Eng. Abstr.) **(Jpn)**

[Nasal mocosal hypersensitivity to histamine and acetylcholine and histamine content in nasal secretion on manifested and non-manifested nasal allergy] Hamaguchi F, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1983 Jun 20; 86(6):652–60 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

[Acetylcholine receptor antibodies in myasthenia gravis] Yakirevich V, et al. **Harefuah** 1983 Apr 1;104(7):269–70 (Eng. Abstr.) **(Heb)**

METABOLISM

Studies on the turnover of acetylcholine in the brain of rats during the course of acupuncture analgesia. Guan XM, et al. **Acta Acad Med Wuhan** 1983;3(3):129–36

On the effects of diazepam, hyoscine and oxotremorine on acetylcholine release from the cerebral cortex. Petkov V, et al. **Acta Physiol Pharmacol Bulg** 1983;9(2):3–13

Vagotomy effect on the content and synthesis of acetylcholine in autonomic ganglia in dog stomach. Górny D, et al. **Acta Physiol Pol** 1983 Jan–Feb;34(1):155–62

Rhythm in acetylcholine–acetylcholinesterase system in the slug, Laevicaulis alte (Ferussac, 1821). Pavan Kumar T, et al. **Acta Physiol Pol** 1982 Sep–Dec;33(5–6):495–502

Biochemical substrates of mental disturbances in Parkinson's disease. Agid Y, et al. **Adv Neurol** 1984;40:211–8

State of DA/ACh balance after chronic treatment with haloperidol and with THIP in rats. Denaro A, et al. **Adv Neurol** 1984;40:141–7

Neuronal GABA release and GABA inhibition of ACh release in guinea pig urinary bladder. Kusunoki M, et al. **Am J Physiol** 1984 Apr;246(4 Pt 2):R502–9

Transport of acetylcholine in a membrane. Laminate model of the neuromuscular junction. Hirose S, et al. **Appl Biochem Biotechnol** 1984 Feb;9(1):81–93

A molecular model for the exobilayer portion of the alpha-subunit of the acetylcholine receptor with binding sites for acetylcholine and non-competitive antagonists. Kosower EM. **Biochem Biophys Res Commun** 1983 Oct 14;116(1):17–22

Mediation by the corticostriatal input of the in vivo increase in rat striatal acetylcholine content induced by 2-chloroadenosine. Consolo S, et al. **Biochem Pharmacol** 1983 Oct 1;32(19):2993–6

Acetylcholine receptor: evidence for a voltage-dependent regulatory site for acetylcholine. Chemical kinetic measurements in membrane vesicles using a voltage clamp. Takeyasu K, et al. **Biochemistry** 1983 Dec 6;22(25):5973–8

Various dose-dependent influences of apomorphine on the acetylcholine turnover in striatum and mesolimbic areas of rat brain. Langnickel R, et al. **Biomed Biochim Acta** 1983;42(7–8):937–46

Depolarization of mouse forebrain minces with veratridine and high K+: failure to stimulate the Ca2+ independent, spontaneous release of acetylcholine from the cytoplasm due to hydrolysis of the acetylcholine stored there. Carroll PT, et al. **Brain Res** 1984 Jan 23;291(2):261–72

On the neurotoxicity of chlordecone: a role for gamma-aminobutyric acid and serotonin. Gandolfi O, et al. **Brain Res** 1984 Jun 11;303(1):117–23

Acetylcholine release from synaptosomes and phenytoin action. Pincus JH, et al. **Brain Res** 1984 Apr 2;296(2):313–7

Age-related decrease in apomorphine modulation of acetylcholine release from rat striatal slices. Thompson JM, et al. **Brain Res** 1984 May 7;299(1):169–73

Calcium entry through acetylcholine-channels can activate potassium conductance in bullfrog sympathetic neurons. Tokimasa T, et al. **Brain Res** 1984 Mar 19;295(2):364–7

A comparison of the distribution of central cholinergic neurons as demonstrated by acetylcholinesterase pharmacohistochemistry and choline acetyltransferase immunohistochemistry. Satoh K, et al. **Brain Res Bull** 1983 Dec;11(6):693–720

Acetylcholine turnover in an autoactive molluscan neuron. Barry SR, et al. **Cell Mol Neurobiol** 1984 Mar;4(1):15–29

Intra- and extracellular potassium activities, acetylcholine and resting potential in guinea pig atria. Baumgarten CM, et al. **Circ Res** 1984 Jan;54(1):65–73

Changes in acetylcholine concentration, miniature end-plate potentials and synaptic vesicles in frog neuromuscular preparations during lanthanum treatment. Florey E, et al. **Comp Biochem Physiol [C]** 1983;75(2):285–94

Effect of asbestos on the metabolism of vasoactive substances in isolated perfused guinea pig lungs. Cadieux A, et al. **Environ Health Perspect** 1983 Sep;51:287–91

Quinolinic acid evokes [3H]acetylcholine release in striatal slices: mediation by NMDA-type excitatory amino acid receptors. Lehmann J, et al. **Eur J Pharmacol** 1983 Dec 9;96(1–2):111–5

Is acetylcholine release from striatal nerve endings regulated by muscarinic autoreceptors? Marchi M, et al. **Eur J Pharmacol** 1983 Jul 15;91(1):63–8

Hydrolysis, synthesis, and release of acetylcholine in the isolated heart. Löffelholz K, et al. **Fed Proc** 1984 Aug; 43(11):2603–6

The ultrastructural ionic fixation technique localizing acetylcholinesterase activity, reveals simultaneously acetylcholine-like cation in the synaptic vesicles of the motor nerve terminals. Tsuji S. **Histochemistry** 1984; 81(1):35–7

Met5-enkephalin-Arg6-Phe7 inhibition of noradrenaline and acetylcholine release from peripheral organs. Hársing LG Jr, et al. **J Auton Pharmacol** 1984 Mar;4(1):33–43

Direct determination of acetyl-enzyme intermediate in the acetylcholinesterase-catalyzed hydrolysis of acetylcholine and acetylthiocholine. Froede HC, et al. **J Biol Chem** 1984 Sep [illegible](17):11010–3

Properties of an endogenous steady current in rat muscle. Caldwell JH, et al. **J Gen Physiol** 1984 Feb;83(2):157–73

The time course of miniature endplate currents and its modification by receptor blockade and ethanol. Linder TM, et al. **J Gen Physiol** 1984 Mar;83(3):435–68

Action of apomorphine, bromocriptine and lergotrile on gamma-aminobutyric acid and acetylcholine release in nucleus accumbens and corpus striatum. de Belleroche J, et al. **J Neural Transm** 1983;58(3–4):153–68

In vivo effects of beta-bungarotoxin on the acetylcholine system in different brain areas of the rat. Gulya K, et al. **J Neurochem** 1984 Jul;43(1):112–9

Synaptic vesicle heterogeneity [letter] Marchbanks RM, et al. **J Neurochem** 1984 Jun;42(6):1775

Neurochemical changes in murine trisomy 16: delay in cholinergic and catecholaminergic systems. Ozand PT, et al. **J Neurochem** 1984 Aug;43(2):401–8

Measurement of acetylcholine turnover rate in brain: an adjunct to a simple HPLC method for choline and acetylcholine. Potter PE, et al. **J Neurochem** 1984 Jul; 43(1):288–90

Presynaptic nicotinic cholinergic receptors labeled by [3H]acetylcholine on catecholamine and serotonin axons in brain. Schwartz RD, et al. **J Neurochem** 1984 May; 42(5):1495–8

Acetylcholine metabolism in rat spinal cord cultures: regulation by a factor involved in the determination of the neurotransmitter phenotype of sympathetic neurons. Giess MC, et al. **J Neurosci** 1984 Jun;4(6):1442–52

The action of cholinergic agonists on the squid stellate ganglion giant synapse. Stanley EF. **J Neurosci** 1984 Jul; 4(7):1904–11

[D-Ala2,D-Met5NH2]-enkephalin inhibits acetylcholine release from the submucosal plexus of rat colon. Gaginella TS, et al. **J Pharm Pharmacol** 1983 Dec;35(12):823–5

The purported dopamine agonist DPI inhibits [3H]noradrenaline release from rat cortical slices but not [3H]dopamine and [14C]acetylcholine release from rat striatal slices in-vitro. Van Oene JC, et al. **J Pharm Pharmacol** 1983 Dec;35(12):786–92

Inhibitory action of 2-(1-,2-benzisoxazol-3-yl)-3-[2-(2-piperidinoethoxy) phenyl]acrylonitrile (SX-284) on acetylcholine release from vagus nerve in guinea pig ileum. Sone H, et al. **J Pharmacobiodyn** 1983 Apr;6(4):272–4

Frequency-dependent muscarinic receptor modulation of acetylcholine and dopamine release from rabbit striatum. James MK, et al. **J Pharmacol Exp Ther** 1984 Apr; 229(1):98–104

Presynaptic inhibitory effect of Met-enkephalin on [14C] acetylcholine release from the myenteric plexus and its interaction with muscarinic negative feedback inhibition. Vizi ES, et al. **J Pharmacol Exp Ther** 1984 Aug; 230(2):493–9

Evidence for acetylcholine receptor blockade by intracellular hydrogen ions in cultured chick myoballs. Goldberg G, et al. **J Physiol (Lond)** 1983 Oct;343:429–37

Prostaglandin-induced inhibition of acetylcholine release from neuronal elements of dog tracheal tissue. Inoue T, et al. **J Physiol (Lond)** 1984 Apr;349:553–70

On the mechanism by which adenosine receptor activation inhibits the release of acetylcholine from motor nerve endings. Silinsky EM. **J Physiol (Lond)** 1984 Jan;346:243–56

Acetylcholine storage, release and leakage at the neuromuscular junction of mature adult and aged rats. Smith DO. **J Physiol (Lond)** 1984 Feb;347:161–76

Phencyclidine-induced inhibition of striatal acetylcholine release: comparisons with mu, kappa, and sigma opiate agonists. Leventer SM, et al. **Life Sci** 1984 Feb 20; 34(8):793–801

Kappa- and delta-opioid receptor agonists differentially inhibit striatal dopamine and acetylcholine release. Mulder AH, et al. **Nature** 1984 Mar 15–21;308(5956):278–80

3H-ACh release from guinea pig gallbladder evoked by GABA through the bicuculline-sensitive GABA receptor. Saito N, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 May;326(1):45–8

Effects of verapamil, diltiazem and ryosidine on the release of dopamine and acetylcholine in rabbit caudate nucleus slices. Starke K, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Feb; 325(2):124–30

Effects of chronic manipulations of dietary choline on

locomotor activity, discrimination learning and cortical acetylcholine release in aging adult Fisher 344 rats. Beninger RJ, et al. **Neurobiol Aging** 1984 Spring;5(1):25–34

Brain acetylcholine during morphine withdrawal. Crossland J, et al. **Neurochem Res** 1984 Mar;9(3):351–66

Increased release of [3H]acetylcholine in vitro from the mouse hippocampus by a convulsant barbiturate. Holtman JR Jr, et al. **Neuropharmacology** 1983 Sep;22(9):1101–8

Neurochemical asymmetry of the human cerebral hemispheres. Kononenko VS. **Neurosci Behav Physiol** 1983 Mar–Apr;13(2):89–94

Alpha-adrenoceptor-mediated inhibition of acetylcholine release in guinea-pig superior cervical ganglion. Capuzzo A, et al. **Neurosci Lett** 1983 Dec 30;43(2–3):215–9

Denervation induced changes in subcellular pools of 16S acetylcholinesterase activity from adult mammalian skeletal muscle. Fernandez HL, et al. **Neurosci Lett** 1984 Feb 10; 44(2):187–92

Potassium propionate causes preferential loss of 'bound' acetylcholine in frog muscle. Molenaar PC, et al. **Neurosci Lett** 1983 Dec 30;43(2–3):209–13

Postmortal decay of acetylcholine levels in the spinal cord of rat, chicken and frog. Molinengo L, et al. **Neurosci Lett** 1984 Mar 23;45(2):181–5

Electron microscopical autoradiography of [3H]choline fixed by phosphomolybdic acid in the motor nerve terminal. Tsuji S. **Neurosci Lett** 1984 Mar 23;45(2):151–6

Ultrastructural observations of the cholinergic neuron in the rat striatum as identified by acetylcholinesterase pharmacohistochemistry. Satoh K, et al. **Neuroscience** 1983 Dec;10(4):1121–36

Evidence that transmitter can be released from regions of the nerve cell other than presynaptic axon terminal: axonal release of acetylcholine without modulation. Vizi ES, et al. **Neuroscience** 1983 Nov;10(3):967–72

Comparison of two methods for estimating the acetylcholine turnover in discrete rat brain structures. Bluth R, et al. **Pharmacol Biochem Behav** 1984 Feb;20(2):169–74

Strain specific cholinergic changes in response to stress: analysis of a time-dependent avoidance variation. Cooper DO, et al. **Pharmacol Biochem Behav** 1983 Sep;19(3):457–62

Genotypic variation in the dopaminergic inhibitory control of striatal and hippocampal cholinergic activity in mice. Durkin TP, et al. **Pharmacol Biochem Behav** 1983 Jul; 19(1):63–70

Limbic acetylcholine turnover rates correlated with rat morphine-seeking behaviors. Smith JE, et al. **Pharmacol Biochem Behav** 1984 Mar;20(3):429–42

Pyroglutamic acid administration modifies the electrocorticogram and increases the release of acetylcholine and GABA from the guinea-pig cerebral cortex. Antonelli T, et al. **Pharmacol Res Commun** 1984 Feb;16(2):189–97

The influence of strychnine and glycine on the metabolism of acetylcholine in the rat striatum and hippocampus. Tomaszewski A, et al. **Pol J Pharmacol Pharm** 1983; 35(4):271–7

Behavioral and neurochemical differentiation of specific projections in the septal-hippocampal cholinergic pathway of the rat. Blaker WD, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(6):1880–2

Recognition of the muscarinic receptor by its endogenous neurotransmitter: binding of [3H]acetylcholine and its modulation by transition metal ions and guanine nucleotides. Gurwitz D, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(12):3650–4

Reconstitution of a functional synaptosomal membrane possessing the protein constituents involved in acetylcholine translocation. Israël M, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(1):277–81

Diffusion and binding constants for acetylcholine derived from the falling phase of miniature endplate currents. Land BR, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(5):1594–8

Neurochemical effects of minaprine, a novel psychotropic drug, on the central cholinergic system of the rat. Garattini S, et al. **Psychopharmacology (Berlin)** 1984;82(3):210–4

Release of acetylcholine from fragments of human term placenta and effects of the choline acetyltransferase inhibitor (2-benzoylethyl)trimethylammonium iodide. Welsch F, et al. **Res Commun Chem Pathol Pharmacol** 1983 Aug;41(2):179–96

Interactions of lead and cadmium on acetylcholine release at the frog neuromuscular junction. Cooper GP, et al. **Toxicol Appl Pharmacol** 1984 Jul;74(3):411–6

Changes of acetylcholine, catecholamines and amino acid in mice brain following treatment with Nuvacron and Furadan. Gupta M, et al. **Toxicology** 1984 Mar;30(2):171–5

The effect of beta-bungarotoxin on acetylcholine and choline content of vertebrate tissues. Newton MW, et al. **Toxicon** 1983;21(6):825–32

[Modulatory effects of taurine on the release of acetylcholine from the central nervous system of an insect, the cockroach (Periplaneta americana L.)] Hue B, et al. **J Pharmacol** 1984 Jan–Mar;15(1):65–78 (Eng. Abstr.) **(Fre)**

[Sampling of tissue from microscopic areas of the spinal cord of the chick embryo. Description of the technic and application to the study of enzymes metabolizing acetylcholine] Bronzetti E, et al. **Boll Soc Ital Biol Sper** 1983 Dec 30;59(12):1890–5 (Eng. Abstr.) **(Ita)**

[Release of 14C-acetylcholine from synaptosomes as affected by presynaptic neurotoxins from bee and cobra venoms--phospholipases A2] Terletskaia IaT, et al. **Biokhimiia** 1983 Nov;48(11):1799–803 (Eng. Abstr.) **(Rus)**

[Seasonal changes in the acetylcholine and noradrenaline content and the sensitivity to these substances in the smooth musculature of the small intestine in the rat] Putintseva TG, et al. **Fiziol Zh SSSR** 1983 Sep;69(9):1227–30 (Eng. Abstr.) **(Rus)**

[The effect of instilled eserine on the bovine uvea and retina] Kováčik L, et al. **Cesk Oftalmol** 1983 Sep;39(5):305–8 (Eng. Abstr.) **(Slo)**

[The effect of instilled pilocarpine on the bovine uvea and retina] Kováčik L, et al. **Cesk Oftalmol** 1983 Sep; 39(5):297–304 (Eng. Abstr.) **(Slo)**

PHARMACODYNAMICS

Serotonin and acetylcholine affect the release of prolactin and growth hormone from pituitary glands of domestic fowl in vitro in the presence of hypothalamic tissue. Hall TR, et al. **Acta Endocrinol (Copenh)** 1984 Apr;105(4):455–62

Renal blood flow during unilateral ureteral obstruction. Effects of reduced perfusion pressure, acetylcholine, and thromboxane A2 blockers in obstructed and unobstructed rat kidneys. Hope A, et al. **Acta Physiol Scand** 1983 Dec; 119(4):327–34

Effects of acetylcholine, isoprenaline, phenylephrine and dibutyryl-cAMP on the contractility of isolated myocytes of the rat heart ventricles. Vornanen M, et al. **Acta Physiol Scand** 1983 Aug;118(4):433–8

Comparison of acetylcholine sensitivity in asthmatics with negative and positive response to exercise. Nagy L, et al. **Allerg Immunol (Leipz)** 1983;29(3):145–8

Acetylcholine-calcium interactions in the canine atrium and sinus node. Loeb JM, et al. **Am Heart J** 1984 Jun; 107(6):1161–8

Glucose responsiveness and acetylcholine sensitivity of pancreatic beta-cells after vagotomy. Campfield LA, et al. **Am J Physiol** 1984 Jun;246(6 Pt 2):R985–93

Adrenergic nervous control of cAMP-mediated amylase secretion in the rat pancreas. Pearson GT, et al. **Am J Physiol** 1984 May;246(5 Pt 1):G563–73

Evidence for a direct action of acetylcholine on the gastric oxyntic cell of the amphibian. Ruiz MC, et al. **Am J Physiol** 1984 Jan;246(1 Pt 1):G16–25

Prostaglandin E2 but not F2 alpha restores the natriuretic response to acetylcholine in indomethacin-treated dogs. Yun JC, et al. **Am J Physiol** 1984 Jul;247(1 Pt 2):F185–91

Role of calcium in acetylcholine-induced desensitization in dog thyroid slices. Arem R, et al. **Arch Biochem Biophys** 1984 Apr;230(1):168–77

Stimulation of phosphatidylinositol turnover by acetylcholine, angiotensin II and ACTH in bovine adrenal fasciculata cells. Hadjian AJ, et al. **Biochim Biophys Acta** 1984 Aug 17;804(4):427–33

Effects of acetylcholine and caerulein on 86Rb+ efflux in the mouse pancreas. Evidence for a sodium-potassium-chloride cotransport system. Singh J. **Biochim Biophys Acta** 1984 Aug 8;775(1):77–85

Desensitization of the muscarinic receptor in the mammalian atrial myocardium. Nilius B. **Biomed Biochim Acta** 1983; 42(5):519–26

Dependence of muscarinic effects of acetylcholine in mammalian atrial myocardium on the external calcium and potassium concentration. Nilius B. **Biomed Biochim Acta** 1983;42(5):511–8

Interactions between alinidine and responses to acetylcholine, dopamine and 5-hydroxytryptamine of specific Helix central neurones. Bokisch AJ, et al. **Br J Pharmacol** 1983 Nov;80(3):567–71

The action of general anaesthetics on acetylcholine-induced inhibition in the central nervous system of Helix. Judge SE, et al. **Br J Pharmacol** 1982 Feb;75(2):353–7

Contractions of rat uterine smooth muscle induced by acetylcholine and angiotensin II in Ca2+-free medium. Lalanne C, et al. **Br J Pharmacol** 1984 Feb;81(2):317–26

Effects of noradrenaline and acetylcholine on electro-mechanical properties of the guinea-pig portal vein. Nanjo T. **Br J PLarmacol** 1984 Mar;81(3):427–40

Influence of acetylcholine on neuronal activity in monkey orbitofrontal cortex during bar press feeding task. Aou S, et al. **Brain Res** 1983 Sep 19;275(1):178–82

The pharmacology of cholinergic excitatory responses in hippocampal pyramidal cells. Cole AE, et al. **Brain Res** 1984 Jul 9;305(2):283–90

A comparative study of two populations of acetylcholine-sensitive neurons in rat somatosensory cortex. Lamour Y, et al. **Brain Res** 1983 Dec 19; 289(1–2):157–67

The cholinergic influence on the function of the cat dorsal lateral geniculate nucleus (dLGN). Sillito AM, et al. **Brain Res** 1983 Dec 5;280(2):299–307

Vipoxin both activates and antagonizes three types of acetylcholine response in Aplysia neurons. Slater NT, et al. **Brain Res** 1983 Nov 14;278(1–2):266–70

Diphenylhydantoin inhibition of drug-induced contractions of isolated rat vas deferens: additional evidence for a calcium-blocking action. Calixto JB, et al. **Braz J Med Biol Res** 1983 Dec;16(4):327–31

Prejunctional supersensitization of adrenergic transmission of the isolated guinea pig vas deferens produced by an atoxic fraction from scorpion venom (Tityus serrulatus). Melito I, et al. **Braz J Med Biol Res** 1983 Jul;16(2):147–51

Comparative reflex action of histamine, acetylcholine and serotonin on dog airways. Delpierre S, et al. **Bull Eur Physiopathol Respir** 1983 Sep–Oct;19(5):489–93

Effects of morphine on the responses to acetylcholine and adrenaline in the mouse uterus. Acevedo CG, et al. **Cell Mol Biol** 1984;30(3):239–42

Asymmetric distribution of acetylcholine receptors and M channels on prepyriform neurons. ffrench-Mullen JM, et al. **Cell Mol Neurobiol** 1983 Jun;3(2):163–81

Kinetics of acetylcholine-activated cation channel blockade by the calcium antagonist D-600 in Aplysia neurons. Slater NT, et al. **Cell Mol Neurobiol** 1983 Dec;3(4):329–44

A mathematical model of the effects of acetylcholine pulses on sinoatrial pacemaker activity. Michaels DC, et al. **Circ Res** 1984 Jul;55(1):89–101

Effects of acetylcholine on electrophysiological properties of rabbit cardiac Purkinje fibers. Mubagwa K, et al. **Circ Res** 1983 Dec;53(6):740–51

A cholinergic receptor 12-hour interval-timer displaying 'circa' periodicities. Rounds HD. **Comp Biochem Physiol [C]** 1984;77(1):59–63

Modulatory effect of serotonin on the acetylcholine sensitivity of identified neurons in the brain of Helix pomatia L. Yurchenko OP, et al. **Comp Biochem Physiol [C]** 1984;77(1):127–33

Single acetylcholine-activated channel currents in developing muscle cells. Siegelbaum SA, et al. **Dev Biol** 1984 Aug;104(2):366–79

Maintained prolongation of AV conduction time by acetylcholine. Loeb JM, et al. **Eur J Pharmacol** 1984 May 4;100(3–4):351–6

Vagus- and post-acetylcholine-induced changes in ventricular electrophysiology of the dog heart with and without beta-blockade. Amlie JP, et al. **Eur Surg Res** 1984; 16 Suppl 2:5–13

Effects of acetylcholine on cochlear nucleus neurons. Caspary DM, et al. **Exp Neurol** 1983 Nov;82(2):491–8

Changes with hypertension and maturation in the response of stomach fundus to acetylcholine. Seidel CL, et al. **Experientia** 1984 Jul 15;40(7):691–2

Acetylcholine-induced potential fluctuations and underlying currents in rat adrenal chromaffin cells. Kidokoro Y. **Fed Proc** 1984 Jun;43(9):2364–7

Development of different electrophysiological mechanisms for muscarinic inhibition of atria and ventricles. Pappano AJ, et al. **Fed Proc** 1984 Aug;43(11):2607–12

Stimulation of canine gastric mucus secretion with intraarterial acetylcholine chloride. Zalewsky CA, et al. **Gastroenterology** 1983 Nov;85(5):1067–75

The effect of adrenaline, acetylcholine and histamine on aminotransferase A1AT and AspAT and cholinesterase activity in blood plasma of 1 to 3-day-old chicks. Kołątaj A, et al. **Gen Pharmacol** 1984;15(1):71–4

Contractile responses of uterine smooth muscle to acetylcholine and marihuana extract. Murthy NV, et al. **Int J Gynaecol Obstet** 1983 Jun;21(3):223–6

Evidence for prejunctional and postjunctional antagonism of the sympathetic neuroeffector junction by acetylcholine in canine cardiac Purkinje fibers. Gilmour RF Jr, et al. **J Am Coll Cardiol** 1984 Mar;3(3):760–5

Atopic disposition and bronchial reactivity to inhaled acetylcholine in young adults with a history of asthma in childhood. Nagata S, et al. **J Asthma** 1984;21(3):151–9

Cycle length dependence of the chronotropic effects of adrenaline and acetylcholine in the rabbit sinoatrial node. Op't Hof T, et al. **J Auton Nerv Syst** 1983 Jul;8(3):193–204

Acetylcholine-induced back-firing in the preganglionic trunk of the rat superior cervical ganglion. Prigioni I, et al. **J Auton Nerv Syst** 1984 Mar;10(1):19–25

Lithium-induced accumulation of inositol 1-phosphate during cholecystokinin octapeptide- and acetylcholine-stimulated phosphatidylinositol breakdown in dispersed mouse pancreas acinar cells. Hokin-Neaverson M, et al. **J Biol Chem** 1984 Apr 10;259(7):4346–52

Inositol incorporation into phosphoinositides in retinal horizontal cells of Xenopus laevis: enhancement by acetylcholine, inhibition by glycine. Anderson RE, et al. **J Cell Biol** 1984 Aug;99(2):686–91

Acetylcholine promotes progesterone-induced maturation of Xenopus oocytes. Dascal N, et al. **J Exp Zool** 1984 Apr; 230(1):131–5

Inhibitory effect of acetylcholine on muscular tonus of the small intestine of a lizard. Wacyk J, et al. **J Exp Zool** 1984 May;230(2):297–301

Monoclonal antibodies modify acetylcholine-induced ionic channel properties in cultured chick myoballs. Goldberg G, et al. **J Membr Biol** 1983;76(2):123–8

Desensitization to nicotinic cholinergic agonists and K+, agents that stimulate catecholamine secretion, in isolated adrenal chromaffin cells. Boksa P, et al. **J Neurochem** 1984 Mar;42(3):607–17

Substance P protects against desensitization of the nicotinic response in isolated adrenal chromaffin cells. Boksa P, et al. **J Neurochem** 1984 Mar;42(3):618–27

Effect of alpha-bungarotoxin and etorphine on acetylcholine-evoked release of endogenous and radiolabeled catecholamines from primary culture of adrenal chromaffin cells. Kageyama H, et al. **J Neurosci Methods** 1984 Jan;10(1):9–16

Iprindole potentiates responses to acetylcholine in the rat anococcygeus muscle. Doggrell SA, et al. **J Pharm Pharmacol** 1983 Aug;35(8):529–32

Acetylcholine-induced inhibition of responses to field stimulation in rabbit pulmonary artery is unaffected by endothelium removal. Loiacono RE, et al. **J Pharm Pharmacol** 1984 Apr;36(4):262–4

Analysis of the role of withdrawal state in morphine-induced supersensitivity to acetylcholine in mouse ileum. Ramaswamy S, et al. **J Pharm Pharmacol** 1984 Apr; 36(4):275–6

Pharmacological studies on supersensitization. XII. Inhibitory effect of reserpine on tripelennamine-, N,N-dimethyl-N',N'-dibenzylethylenediamine- and N,N-dibenzyl-N',N'-dimethyl-1,2-propanediamine-induc supersensitivity of isolated vas deferens of guinea pig to acetylcholine. Araki K, et al. **J Pharmacobiodyn** 1983 Apr; 6(4):254–60

Association between cyclic GMP accumulation and acetylcholine-elicited relaxation of bovine intrapulmonary artery. Ignarro LJ, et al. **J Pharmacol Exp Ther** 1984 Mar; 228(3):682–90

Evaluation of the isolated perfused heart of mice, with special reference to vasoconstriction caused by intracoronary acetylcholine. Sakai K, et al. **J Pharmacol Methods** 1983 Dec;10(4):263–70

Vasodilatation by acetylcholine is endothelium-dependent: a study by sonomicrometry in canine femoral artery in vivo. Angus JA, et al. **J Physiol (Lond)** 1983 Nov;344:209–22

Xenopus oocyte resting potential, muscarinic responses and the role of calcium and guanosine 3',5'-cyclic monophosphate. Dascal N, et al. **J Physiol (Lond)** 1984 Jul;352:551–74

Release of hydrolases and acetylcholine sensitivity in rat skeletal muscle. Harborne AJ, et al. **J Physiol (Lond)** 1984 Jul;352:385–93

Characteristics of membrane channels induced by acetylcholine at frog muscle-tendon junctions. Miledi R, et al. **J Physiol (Lond)** 1984 May;350:269–77

Effects of various enzymes and chemical modification reagents on the Na+- and Cl- -dependent responses of the ganglion cells to acetylcholine. Sato M, et al. **Jpn J Physiol** 1983;33(5):757–76

Acetylcholine potentiation of field stimulated rat vas deferens: a pre-synaptic muscarinic mechanism? Chung SL, et al. **Life Sci** 1983 Nov 7;33(19):1861–7

GABA modulation of cholinergic transmission in rat oviduct. Fernández I, et al. **Life Sci** 1984 Jul 23;35(4):357–64

Effects of acetylcholine on peripheral vascular protein permeability. Katz MA, et al. **Lymphology** 1984 Mar; 17(1):28–33

Reversible antagonism between acetylcholine and phenoxybenzamine in isolated atria of guinea-pigs. Ojewole JA. **Methods Find Exp Clin Pharmacol** 1984 Mar;6(3):115–8

Interactions of gephyrotoxin with the acetylcholine receptor-ionic channel complex. II. Enhancement of desensitization. Souccar C, et al. **Mol Pharmacol** 1984 May; 25(3):395–400

Potentiation by hypokalemia of the effects of acetylcholine on the canine heart in situ. Bertrix L, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Jun; 326(2):169–74

The effects of acetylcholine on bulbar respiratory related neurones. Consequences of anaesthesia by pentobarbital. Morin-Surun MP, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Mar; 325(3):205–8

Chemical sensitivity of visual cortical neurons at different stages of food behavior formation. Andrianov VV. **Neurosci Behav Physiol** 1983 Sep-Oct;13(5):351–6

Action of acetylcholine on hippocampal responses during prolonged potentiation and depression following tetanization of the medial septum and dentate fascia. Kozhedub RG, et al. **Neurosci Behav Physiol** 1984 Mar-Apr;14(2):15?-8

Effects of acetylcholine, norepinephrine, and serotonin on neurons of the septum in vitro. Zhadina SD, et al. **Neurosci Behav Physiol** 1983 Nov-Dec;13(6):405–11

Three types of acetylcholine-induced single channel currents in clonal rat pheochromocytoma cells. Bormann J, et al. **Neurosci Lett** 1983 Sep 30;40(2):193–7

Two-component desensitization of three types of responses of acetylcholine in Aplysia. Chesnut TJ, et al. **Neurosci Lett** 1983 Sep 9;39(3):285–90

Acetylcholine excites identified septo-hippocampal neurons in the rat. Dutar P, et al. **Neurosci Lett** 1983 Dec 23; 43(1):43–7

Differential effects of succinylcholine and acetylcholine on endplate and extrajunctional membranes of normal and denervated mouse skeletal muscle fibres. Lorković H, et al. **Neurosci Lett** 1984 Apr 20;46(1):31–4

Voltage-dependent block by histrionicotoxin of the acetylcholine-induced current in an insect motoneurone cell body. Sattelle DB, et al. **Neurosci Lett** 1983 Dec 23; 43(1):37–41

Different effects of amino acids, acetylcholine and monoamines on neuronal activity of suprachiasmatic nucleus in rat pups and adults. Shibata S, et al. **Neurosci Lett** 1983 Aug 29;39(2):187–92

Facilitation by acetylcholine of tetrodotoxin-resistant spikes in rat hippocampal pyramidal cells. Gähwiler BH. **Neuroscience** 1984 Feb;11(2):381–8

Effects of neuropeptides on rat cortical neurons: laminar distribution and interaction with the effect of acetylcholine. Lamour Y, et al. **Neuroscience** 1983 Sep;10(1):107–17

Catecholamine uptake into isolated adrenal chromaffin cells: inhibition of uptake by acetylcholine. Role LW, et al. **Neuroscience** 1983 Nov;10(3):987–96

Voltage clamp study of stimulant-evoked currents in mouse pancreatic acinar cells. Maruyama Y, et al. **Pflugers Arch** 1983 Sep;399(1):54–62

Changes in cytosolic calcium during cholinergic and adrenergic stimulation of the parotid salivary gland. O'Doherty J, et al. **Pflugers Arch** 1983 Aug;398(3):241–6

Kinetics of acetylcholine activated ion channels in chick ciliary ganglion neurones grown in tissue culture. Ogden DC, et al. **Pflugers Arch** 1984 Jan;400(1):44–50

The efficacy of agonists at the frog neuromuscular junction studied with single channel recording. Ogden DC, et al. **Pflugers Arch** 1983 Nov;399(3):246–8

The culture of rat submandibular ganglion neurons and their macroscopic responses to acetylcholine. Gray PT, et al. **Proc R Soc Lond [Biol]** 1983 Dec 22;220(1219):265–71

Cholinergic stimulation of vascular prostacyclin synthesis. Boeynaems JM, et al. **Prostaglandins** 1983 Oct;26(4):531–44

C-6-sulfidopeptide leukotrienes are unlikely to be involved in the endothelium dependent relaxation of rabbit aorta by acetylcholine. Förstermann U, et al. **Prostaglandins** 1984 Feb;27(2):181–93

The effects of L-alanine and acetylcholine on membrane potential, 45Ca2+ and 86Rb+ efflux and amylase secretion in the isolated mouse pancreas. Singh J, et al. **Q J Exp Physiol** 1984 Jul;69(3):531–40

Exocrine secretion of epidermal growth factor from Brunner's glands. Stimulation by VIP and acetylcholine. Kirkegaard P, et al. **Regul Pept** 1983 Dec;7(4):367–72

Modulation of acetylcholine-induced secretion of gastric bombesin-like immunoreactivity by cholinergic and histamine H2-receptors, somatostatin and intragastric pH. Schusdziarra V, et al. **Regul Pept** 1984 Apr;8(3):189–98

Possible role for cyclic GMP in endothelium-dependent relaxation of rabbit aorta by acetylcholine. Comparison with nitroglycerin. Diamond J, et al. **Res Commun Chem Pathol Pharmacol** 1983 Sep; 41(3):369–81

Blockade of the acetylcholine-and histamine-induced changes in the permeability of the blood-brain barrier of normotensive and spontaneously hypertensive rats by atropine and pyrilamine. Domer FR, et al. **Res Commun Chem Pathol Pharmacol** 1983 Oct; 42(1):157–60

Protective effect of choline theophyllinate on histamine, acetylcholine, and propranolol-induced airflow obstruction. Koëter GH, et al. **Respiration** 1984; 45(2):139–46

Influence of electrical vagal stimulation and acetylcholine on the function of the feline gallbladder. Björck S, et al. **Scand J Gastroenterol** 1983 Jan;18(1):129–35

Effects of alpha- and beta-adrenergic agents and dopamine on gastric motor activity stimulated by acetylcholine or physostigmine. Ulvestad A, et al. **Scand J Gastroenterol [Suppl]** 1984;89:59–63

Effects of noradrenaline and acetylcholine on ureteral peristalsis. Morita T, et al. **Tohoku J Exp Med** 1983 Dec; 141(4):489–90

[Electrical responses of frog olfactory mucosa to the administration of acetylcholine and substance P] Bouvet JF, et al. **C R Seances Acad Sci [III]** 1984;298(6):169–72 (Eng. Abstr.) **(Fre)**

[Comparison of 2 groups of neurons sensitive to the excitatory effect of acetylcholine in the cerebral cortex of the rat] Dutar P, et al. **C R Seances Acad Sci [III]** 1983; 296(19):927–30 (Eng. Abstr.) **(Fre)**

[Unusual stimulating action of acetylcholine on the heart] Seck G, et al. **Dakar Med** 1983;28(1):119–24 (Eng. Abstr.) **(Fre)**

[Bronchoconstrictor reaction pattern of the upper respiratory tract and peripheral bronchial system] Zimmermann I, et al. **Respiration** 1984;45(3):207–18 (Eng. Abstr.) **(Ger)**

[Influence of vagus nerve, histamine, prostaglandin and catecholamine on airway obstruction] Zimmermann I, et al. **Respiration** 1984;45(4):372–93 (Eng. Abstr.) **(Ger)**

[Preganglionic discharge induced by acetylcholine in the superior cervical ganglia of the rat] Prigioni I, et al. **Boll Soc Ital Biol Sper** 1984 Feb 28;60(2):363–8 (Eng. Abstr.) **(Ita)**

[Denervation supersensitivity of the detrusor muscle due to prolonged bladder overdistension] Yokoyama O, et al. **Hinyokika Kiyo** 1984 Jan;30(1):1–7 (Eng. Abstr.) **(Jpn)**

[Experimental and physiological study on the effects of autonomic drugs upon the pacemaker activity of pelviureteral peristalsis] Suzuki T. **Nippon Heikatsukin Gakkai Zasshi** 1983 Apr;19(2):123–38 (Eng. Abstr.) **(Jpn)**

[Cardiac effects of acetylcholine and its congeners] Iizuka H. **Nippon Yakurigaku Zasshi** 1983 May;81(5):441–9 (Eng. Abstr.) **(Jpn)**

[Experimental evidence of the cholinoreactivity of tissue basophils of the dura mater of the brain in the rat] Karedina VS. **Arkh Anat Gistol Embriol** 1984 Apr;86(4):19–26 (Eng. Abstr.) **(Rus)**

[Induction of mobility in mouse B-lymphocytes by acetylcholine and substances increasing the cellular level of cyclic GMP and calcium] Ado AD, et al. **Biull Eksp Biol Med** 1984 Feb;97(2):177–8 (Eng. Abstr.) **(Rus)**

[Effect of a vasopressin analog on the chemoreactive properties of sensorimotor cortex neurons] Kruglikov RI, et al. **Biull Eksp Biol Med** 1983 Oct;96(10):3–5 (Eng. Abstr.) **(Rus)**

[Effect of acetylcholine, cholinomimetics, cholinolytics and dipiroxim on the chemiluminescence of a model system of peroxidation] Zimakov IuA, et al. **Farmakol Toksikol** 1983 Jul-Aug;46(4):20–3 (Eng. Abstr.) **(Rus)**

[Changes in the relation between 2 pathways for synthesizing pyrimidine precursors of RNA in different organs of the digestive tract after administration of acetylcholine] Dubitskiĭ LA, et al. **Fiziol Zh** 1983 Sep-Oct;29(5):604–8 (Eng. Abstr.) **(Rus)**

[Combined effects of histamine and acetylcholine on pepsin and Ca ion concentrations in gastric juice] Panasiuk EN, et al. **Fiziol Zh** 1983 Jul-Aug;29(4):496–8 **(Rus)**

[Effect of acetylcholine on contractile reactions of the cat ileum induced by serotonin before and after cholinoreceptor blockade] Berezina TP, et al. **Fiziol Zh SSSR** 1983 Nov;69(11):1491–7 (Eng. Abstr.) **(Rus)**

[Comparative study of the action of acetylcholine on the transmembrane potentials of the contractile myocardial cells of the ventricles in adult and newborn guinea pigs] Kobrin VI, et al. **Fiziol Zh SSSR** 1983 Sep;69(9):1196–9 (Eng. Abstr.) **(Rus)**

[Acetylcholine potentiation of the serotonin-induced contractile reaction of the cat pyloric sphincter] Ses' TP, et al. **Fiziol Zh SSSR** 1983 Oct;69(10):1333–7 (Eng. Abstr.) **(Rus)**

[Features of ion currents induced by acetylcholine in the muscle fibers of the lamprey] Fedorov VV, et al. **Neirofiziologiia** 1983;15(4):428–31 (Eng. Abstr.) **(Rus)**

[Reactions of dedifferentiated cells of the supraoptic nucleus of the hypothalamus to cholinergic stimulation in tissue culture] Prutskov VI, et al. **Nerv Sist** 1983;24:22–6 (17 ref.) **(Rus)**

[Regulation of the functions of secretory and myoepithelial cells of the mammary glands] Tolkunov IuA, et al. **Nerv Sist** 1983;24:80–5 (43 ref.) **(Rus)**

[Effect of acetylcholine on incorporation of 14C-precursors into uridylic and cytidylic nucleotides of the RNA of digestive glands] Dubitskiĭ LA, et al. **Ukr Biokhim Zh** 1984 Jan-Feb;56(1):62–6 (Eng. Abstr.) **(Rus)**

[Mikroiontophoretic analysis of the interrelation between spike activity and chemical sensitivity of neurons of the medial thalamus to acetylcholine and noradrenaline in alert rats] Kiiatkin EA. **Zh Vyssh Nerv Deiat** 1983 Jul-Aug; 33(4):743–51 (Eng. Abstr.) **(Rus)**

[Reactivity of smooth muscle in the trachea and lung of cats to acetylcholine in experimental inflammation] Bánovčin P, et al. **Bratisl Lek Listy** 1983 Jul;80(1):53–9 (Eng. Abstr.) **(Slo)**

[Secretory activity of mast cells in the presence of cholinergic agonists] Espinosa J, et al. **Rev Esp Fisiol** 1983 Dec; 39(4):441–5 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Structural localization of the elements of the acetylcholine system in the rat cerebellum. Gulya K, et al. **Acta Biol Hung** 1983;34(2–3):155–61

Cholinergic and dopaminergic mechanisms in Parkinson's disease after long-term L-DOPA administration. Clough CG, et al. **Adv Neurol** 1984;40:131–40

The role of norepinephrine and acetylcholine in mediating escape deficits produced by inescapable shocks. Kelsey JE. **Behav Neural Biol** 1983 Mar;37(2):326–31

Behavioral and pharmacological specificity of the feeding elicited by cholinergic stimulation of the substantia nigra in the rat. Winn P, et al. **Behav Neurosci** 1983 Oct; 97(5):794–809

Permeability properties of chick myotube acetylcholine-activated channels. Dwyer TM, et al. **Biophys J** 1984 Mar;45(3):529–39

Endplate blocking actions of lophotoxin. Atchison WD, et al. **Br J Pharmacol** 1984 Jul;82(3):667–72

Descending serotonergic, peptidergic and cholinergic pathways from the raphe nuclei: a multiple transmitter complex. Bowker RM, et al. **Brain Res** 1983 Dec 12; 288(1–2):33–48

Hypoalgesia induced by the local injection of carbachol into the nucleus raphe magnus. Brodie MS, et al. **Brain Res** 1984 Jan 23;291(2):337–42

Cholinergic and GABAergic forebrain projections to the habenula and nucleus interpeduncularis: surgical and kainic acid lesions. Contestabile A, et al. **Brain Res** 1983 Sep 26; 275(2):287–97

Kainic acid lesions of gigantocellular tegmental field (FTG) neurons does not abolish REM sleep. Drucker-Colín R, et al. **Brain Res** 1983 Aug 8;272(2):387–91

Fetal rat sympathetic neurons maintained in a serum-free medium retain induced cholinergic characteristics. Higgins D, et al. **Brain Res** 1984 May;316(1):71–82

Effects of intrastriatal injections of the cholinergic neurotoxin AF64A on spontaneous nocturnal locomotor behavior in the rat. Sandberg K, et al. **Brain Res** 1984 May 14; 299(2):339–43

Maturation of neurotransmission at cholinergic synapses formed in culture by rat retinal neurons: regulation by cyclic AMP. Yeh HH, et al. **Brain Res** 1983 Oct; 312(1):63–72

A study of vasoactive intestinal peptide and acetylcholine as possible mediators of vasodilatation in the cat

submandibular gland. Karpinski E, et al. **Can J Physiol Pharmacol** 1984 Jun;62(6):650-3

Blockade by verapamil of cholinergic effects on atrial specialised tissue in the anaesthetised dog. Timour-Chah Q, et al. **Cardiovasc Res** 1983 Dec;17(12):756-61

Muscarinic action of acetylcholine in the rat ventromedial thalamic nucleus. MacLeod NK, et al. **Exp Brain Res** 1984; 55(3):553-61

Cholinergic denervation of the hippocampal formation does not produce long-term changes in glucose metabolism. Harrell LE, et al. **Exp Neurol** 1984 Jul;85(1):128-38

Differential inhibition of the release of endogenous and newly synthesized acetylcholine from Torpedo synaptosomes by presynaptic muscarinic receptors. Luz S, et al. **FEBS Lett** 1983 Nov 28;164(1):9-12

Cardiovascular regulation by brain acetylcholine. Brezenoff HE. **Fed Proc** 1984 Jan;43(1):17-20

Serotonergic-cholinergic interactions in blood pressure control in the rat. Robinson SE. **Fed Proc** 1984 Jan; 43(1):21-4

Parasympathetic effects on electrophysiologic properties of cardiac ventricular tissue. Rardon DP, et al. **J Am Coll Cardiol** 1983 Dec;2(6):1200-9 (107 ref.)

Cholinergic mediation of growth hormone secretion elicited by arginine, clonidine, and physical exercise in man. Casanueva FF, et al. **J Clin Endocrinol Metab** 1984 Sep; 59(3):526-30

Differential regulation of acetylcholine sensitivity and alpha-bungarotoxin-binding sites on ciliary ganglion neurons in cell culture. Smith MA, et al. **J Neurosci** 1983 Nov;3(11):2395-402

Cholinergic and monoaminergic substrates of startle habituation. Hughes RN. **Life Sci** 1984 May 28; 34(22):2101-5

Possible mechanisms involved in the presynaptic cholinotoxicity due to ethylcholine aziridinium (AF64A) in vivo. Mantione CR, et al. **Life Sci** 1984 Jul 2;35(1):33-41

The cholinergic system in rat striatum during morphine tolerance and dependence. Schurr A, et al. **Life Sci** 1983 Dec 19;33(25):2521-5

Reduced acetylcholine sensitivity in dystrophic mouse myotubes in vitro. Cossu G, et al. **Muscle Nerve** 1984 Jan; 7(1):73-6

Trophic factors and postsynaptic activity in synapse formation [news] Lømo T. **Nature** 1983 Oct 13-19; 305(5935):576

An involvement of acetylcholine in object discrimination learning and memory in the marmoset. Ridley RM, et al. **Neuropsychologia** 1984;22(3):253-63

Neurochemical mechanisms of participation of the caudate nuclei in food-getting behavior. Shugalev NP. **Neurosci Behav Physiol** 1983 Sep-Oct;13(5):345-50

Protease inhibitors reduce the loss of nerve terminals induced by activity and calcium in developing rat soleus muscles in vitro. O'Brien RA, et al. **Neuroscience** 1984 Jun; 12(2):637-46

Contribution of nicotinic and muscarinic receptors in the secretion of catecholamines evoked by endogenous and exogenous acetylcholine. Wakade AR, et al. **Neuroscience** 1983 Nov;10(3):973-8

Mode of regulation of the ACh-sensitive K-channel by the muscarinic receptor in rabbit atrial cells. Soejima M, et al. **Pflugers Arch** 1984 Apr;400(4):424-31

Loss of cholinergic neurons in the rat neocortex produces deficits in passive avoidance learning. Friedman E, et al. **Pharmacol Biochem Behav** 1983 Aug;19(2):309-12

The neuropharmacology of schistosomes. Hillman GR. **Pharmacol Ther** 1983;22(1):103-15 (70 ref.)

Behavioural plasticity and the cholinergic system. Overstreet DH. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(1):133-51

Sex differences in dopaminergic and cholinergic activity and function in the nigro-striatal system of the rat. Miller JC. **Psychoneuroendocrinology** 1983;8(2):225-36 (54 ref.)

[The neuromuscular junction and mechanism of action of curariform drugs] Kienlen J. **Ann Fr Anesth Reanim** 1984; 3(2):116-28 (71 ref.) **(Fre)**

[Morphofunctional organization of intercellular interaction in mammary gland alveoli] Skopichev VG, et al. **Nerv Sist** 1983;24:59-66 (22 ref.) **(Rus)**

[Intracellular hormonal function of acetylcholine and noradrenaline: the regulation of the catalase level in liver cells] Elaev NR, et al. **Probl Endokrinol (Mosk)** 1984 May-Jun;30(3):69-72 (Eng. Abstr.) **(Rus)**

SECRETION

Mediator release from isolated rat ileum in response to field stimulation. Blandina P, et al. **Agents Actions** 1984 Apr; 14(3-4):405-9

Somatostatin modulation of peptide-induced acetylcholine release in guinea pig ileum. Teitelbaum DH, et al. **Am J Physiol** 1984 May;246(5 Pt 1):G509-14

Thiamin antagonists and the release of acetylcholine and norepinephrine from brain slices. Hirsch JA, et al. **Biochem Pharmacol** 1984 Jul 15;33(14):2325-7

Noradrenergic inhibition of the nicotinically-stimulated release of acetylcholine from guinea-pig ileal synaptosomes. Reese JH, et al. **Biochem Pharmacol** 1984 Apr 1;33(7):1145-7

Effect of a sulfonium analog of dopamine on the depolarization-induced release of [3H]acetylcholine from mouse striatal slices. Turowski B, et al. **Biochem Pharmacol** 1984 Aug 1;33(15):2371-6

Reversal by local anaesthetics of ouabain-induced [14C]ACh and [14C]choline release from synaptosomes. Vyas S, et al. **Biochem Pharmacol** 1983 Sep 15;32(18):2827-9

Glycine-induced changes in acetylcholine release from guinea-pig brain slices. Beani L, et al. **Br J Pharmacol** 1983 Jun;79(2):623-8

Cholinergic action in the nucleus accumbens: modulation of dopamine and acetylcholine release. de Belleroche JS, et al. **Br J Pharmacol** 1982 Feb;75(2):359-65

Release of acetylcholine at the motor endplate of the rat - evidence against a muscarinic acetylcholine autoreceptor. Häggblad J, et al. **Br J Pharmacol** 1983 Nov;80(3):471-6

Cyclo-oxygenase inhibitors antagonize indirectly evoked contractions of the guinea-pig isolated ileum by inhibiting acetylcholine release. Okpako DT, et al. **Br J Pharmacol** 1984 Jul;82(3):577-85

Taxol stabilizes synaptosomal microtubules without inhibiting acetylcholine release. Burgoyne RD, et al. **Brain Res** 1983 Nov 28;280(1):190-3

The Torpedo electric organ is a model for opiate regulation of acetylcholine release. Michaelson DM, et al. **Brain Res** 1984 Jul 2;305(1):173-6

Presynaptic muscarinic modulation of nicotinic excitation in the rat neostriatum. Weiler MH, et al. **Brain Res** 1984 Mar 26;296(1):111-20

Acetylcholine release elicited by electrical stimulation and its sites of action in smooth muscle of Mytilus. Murakami H, et al. **Comp Biochem Physiol [C]** 1984;77(2):273-7

Effect of prostaglandin E2 on acetylcholine release from some peripheral cholinergic nerve terminals. Das M, et al. **Eur J Pharmacol** 1984 Apr 13;100(1):41-6

A1 and A2 adenosine receptors modulate acetylcholine release from brain slices. Spignoli G, et al. **Eur J Pharmacol** 1984 Jan 27;97(3-4):341-2

Bradykinin reverses the effect of opiates in the gut by enhancing acetylcholine release. Goldstein DJ, et al. **J Biol Chem** 1983 Oct 25;258(20):12122-4

Passive transfer of Lambert-Eaton myasthenic syndrome in mice: decreased rates of resting and evoked release of acetylcholine from skeletal muscle. Lang B, et al. **J Neurochem** 1984 Mar;42(3):658-62

Opiates inhibit acetylcholine release from Torpedo nerve terminals by blocking Ca2+ influx. Michaelson DM, et al. **J Neurochem** 1984 Sep;43(3):614-8

Modulation of cortical acetylcholine and gamma-aminobutyric acid release in freely moving guinea pigs: effects of clonidine and other adrenergic drugs. Moroni F, et al. **J Pharmacol Exp Ther** 1983 Nov; 227(2):435-40

Substance P facilitates the release of acetylcholine from motor nerve terminals of frogs. Kojima-Nishimura M, et al. **Kurume Med J** 1983;30(2):67-71

Acetylcholine release from growth cones detected with patches of acetylcholine receptor-rich membranes. Hume RI, et al. **Nature** 1983 Oct 13-19;305(5935):632-4

Inhibition of acetylcholine release from preganglionic frog nerves by ATP but not adenosine. Silinsky EM, et al. **Nature** 1983 Sep 22-28;305(5932):327-8

Spontaneous release of transmitter from growth cones of embryonic neurones. Young SH, et al. **Nature** 1983 Oct 13-19;305(5935):634-7

Comparison of potency of substance P and related peptides on [3H]-acetylcholine release, and contractile actions, in the guinea-pig ileum. Fosbraey P, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Jun; 326(2):111-5

The variation of acetylcholine release from myenteric neurones with stimulation frequency and train length. Role of presynaptic muscarine receptors. Kilbinger H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1983 Sep; 324(2):130-3

Diazepam antagonizes GABA- and muscimol-induced changes of acetylcholine release in slices of guinea-pig cerebral cortex. Tanganelli S, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1983 Sep; 324(1):34-7

Spontaneous release of acetylcholine and acetylhomocholine from mouse forebrain minces: cytoplasmic or vesicular origin. Carroll PT. **Neurochem Res** 1983 Oct;8(10):1271-83

A comparison of the effects of acute and one year's continuous neuroleptic treatment on the release of [3H]glutamate and [3H]acetylcholine from rat striatal slices. Kerwin RW, et al. **Neuroscience** 1984 Jan;11(1):205-10

Inhibitors of CDP-choline synthesis, action potential calcium channels, and stimulus-secretion coupling. de Blas A, et al. **Proc Natl Acad Sci USA** 1984 Jul;81(14):4353-7

Plasma membrane of Torpedo synaptosomes: morphological changes during acetylcholine release and evidence for a specific protein. Morel N. **Prog Brain Res** 1983;58:31-8

The cholinergic amacrine cells of rabbit retina receive on and off input: an analysis of [3H]-ACh release using 2-amino-4-phosphonobutyric acid (APB) and chloride free medium. Massey SC, et al. **Vision Res** 1983;23(12):1615-20

[Non-quantum release of acetylcholine from motor nerve endings and denervation changes in muscle fiber membranes in the rat following blockade of axonal transport] Volkov EM, et al. **Neirofiziologiia** 1984; 16(2):231-8 (Eng. Abstr.) **(Rus)**

ACETYLCHOLINE RECEPTORS see **RECEPTORS, CHOLINERGIC**

ACETYLCHOLINESTERASE

Inhibition of acetylcholinesterase by diisocyanates and its spontaneous reactivation. Dewair M, et al. **Int Arch Occup Environ Health** 1983;52(3):257-61

A hydrophobic dimer of acetylcholinesterase from Torpedo californica electric organ is solubilized by phosphatidylinositol-specific phospholipase C. Futerman AH, et al. **Neurosci Lett** 1983 Sep 19;40(1):85-9

ANALYSIS

Ultrastructural features and acetylcholinesterase histochemistry of the rat habenular complex. Villani L, et al. **Acta Anat (Basel)** 1983;117(2):112-20

The cholinergic innervation of human pancreatic islets. Amenta F, et al. **Acta Histochem (Jena)** 1983;73(2):273-8

Amniotic fluid acetylcholinesterase as a prenatal diagnostic marker for upper gastrointestinal atresias. Holzgreve W, et al. **Am J Obstet Gynecol** 1983 Dec 1;147(7):837

Polyacrylamide gels which contain a novel mixed disulfide compound can be used to detect enzymes that catalyze thiol-producing reactions. Harris RB, et al. **Anal Biochem** 1983 Oct 1;134(1):126-32

An ultrasensitive electrometric system to measure membrane-bound acetylcholinesterase activity. Muñoz Delgado E, et al. **Anal Biochem** 1983 Sep;133(2):302-6

Depressor effects, drug concentration and cholinesterase activities in the brain after administration of paraoxon in the cat. De Neef JH, et al. **Arch Int Pharmacodyn Ther** 1983 Jul;264(1):15-27

Localization of acetylcholinesterase in normal human fibroblasts and in a human fibrosarcoma cell line. Falugi C, et al. **Basic Appl Histochem** 1983;27(3):205-10

Stereospecific reactivation by some Hagedorn-oximes of acetylcholinesterases from various species including man, inhibited by soman. de Jong LP, et al. **Biochem Pharmacol** 1984 Apr 1;33(7):1119-25

The A12 acetylcholinesterase and polypeptide composition of electric organ basal lamina of Electrophorus and some Torpedinae fishes. Inestrosa NC, et al. **Cell Biochem Funct** 1983 Apr;1(1):41-8

A neural tube defect specific form of acetylcholinesterase in amniotic fluid. Bonham JR, et al. **Clin Chim Acta** 1983 Dec 15;135(2):233-7

Quantitative estimation of the density ratios of cholinesterase bands in human amniotic fluids. Peat D, et al. **Clin Chim Acta** 1984 Apr 27;138(3):319-24

Effects of a dermal dose of S,S,S,-tri-n-butyl phosphorotrithioate on brain acetylcholinesterase, acid phosphatase, and 2',3'-cyclic nucleotide-3' phosphohydrolase and plasma butyrylcholinesterase in hens. Abdo KM, et al. **Dev Toxicol Environ Sci** 1983; 11:499-502

Neurotoxic esterase and acetylcholinesterase activity in rat nervous system after repeated treatment with triorthocresyl phosphate or oxotremorine. Hollingsworth PJ, et al. **Dev Toxicol Environ Sci** 1983;11:495-8

Hirschsprung's disease in an adult. Special reference to histochemical determination of the acetylcholinesterase activity. Goto S, et al. **Dis Colon Rectum** 1984 May; 27(5):319-20

Alphafetoprotein (AFP), concanavalin A non-reactive AFP and specific acetylcholinesterase in amniotic fluid from pathological pregnancies. Predictive values for open spina bifida. van Regemorter N, et al. **Eur J Obstet Gynecol Reprod Biol** 1983 Sep;16(1):9-18

Localization of acetylcholinesterase and choline acetyltransferase in the rat pituitary gland. Barron SE, et al. **Histochem J** 1983 Nov;15(11):1087-98

Ultrastructural localization of acetylcholinesterase activity by means of the electron dense precipitate derived from Koelle's cuprous thiocholine iodide by treatment with phosphomolybdic acid and osmium tetroxide. Tsuji S, et al. **Histochemistry** 1984;80(1):19-21

Electron microscope localization of acetylcholinesterase and butyrylcholinesterase in the ciliary ganglion of the cat. Davis R, et al. **J Histochem Cytochem** 1984 Aug; 32(8):849-61

Molecular properties of Drosophila acetylcholinesterase. Zingde S, et al. **J Neurochem** 1983 Nov;41(5):1243-52

Identification of central cholinergic neurons containing both choline acetyltransferase and acetylcholinesterase and of central neurons containing only acetylcholinesterase. Eckenstein F, et al. **J Neurosci** 1983 Nov;3(11):2286-91

Correlation between the acetylcholinesterase content in motor nerves and their muscles. Gisiger V, et al. **J Physiol (Paris)** 1982-83;78(8):720-8

An improved staining technique for acetylcholinesterase activity using rubeanic acid in the diagnosis of Hirschsprung's disease. Goto S, et al. **Jpn J Surg** 1984 Mar; 14(2):135-8

Putative cholinergic afferents of the chick hyperstriatum ventrale: a combined acetylcholinesterase and retrograde fluorescence labelling study. Davies DC, et al. **Neurosci Lett** 1983 Jul 29;38(2):103-7

Molecular forms of acetylcholinesterase in synaptic and extrasynaptic regions of avian tonic muscle. Jedrzejczyk J, et al. **Neurosci Lett** 1984 May 18;46(3):283-9

Acetylcholinesterase in the ventrobasal thalamus: transience and patterning during ontogenesis. Kristt DA. **Neuroscience** 1983 Nov;10(3):923-39

Substance P immunoreaction and acetylcholinesterase

activity in the cornea and Gasserian ganglion. Tervo T, et al. **Ophthalmic Res** 1983;15(6):280–8

Normal second-trimester amniotic fluid alphafetoprotein and acetylcholinesterase associated with fetal sacrococcygeal teratoma. Brock DJ, et al. **Prenat Diagn** 1983 Oct; 3(4):343–5

Effects of organophosphorus compounds, O,O-dimethyl O-(2,2-dichlorovinyl)phosphate (DDVP) and O,O-dimethyl O-(3-methyl 4-nitrophenyl)phosphorothioate (fenitrothion), on brain acetylcholine content and acetylcholinesterase activity in Japanese quail. Kobayashi H, et al. **Toxicology** 1983; 28(3):219–27

[Cholinergic enzymes in the ciliary ganglia of the chicken and pigeon] Del Fà A, et al. **Boll Soc Ital Biol Sper** 1983 Jul 30;59(7):1000–4 (Eng. Abstr.) **(Ita)**

[Localization of embryonal acetylcholinesterase during the early development of the chick embryo] Falugi C, et al. **Boll Soc Ital Biol Sper** 1984 May 30;60(5):899–905 (Eng. Abstr.) **(Ita)**

[Location of acetylcholinesterase in axotomized ciliary ganglia] Gangitano C, et al. **Boll Soc Ital Biol Sper** 1983 Jul 30;59(7):1005–9 (Eng. Abstr.) **(Ita)**

[Content of amino acids, ionized forms of calcium and acetylcholinesterase in the cerebral cortex in senile dementia] Pavlova GA. **Zh Nevropatol Psikhiatr** 1984; 84(7):1012–6 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

16S acetylcholinesterase of the extracellular matrix is assembled within mouse muscle cells in culture. Inestrosa NC. **Biochem J** 1984 Jan 15;217(2):377–81

Regulation of acetylcholinesterase expression in the K-562 cell line. Garrè C, et al. **Cancer Res** 1984 Sep;44(9):3749–51

A rapid increase in acetylcholinesterase mRNA during ascidian embryogenesis as demonstrated by microinjection into Xenopus laevis oocytes. Perry HE, et al. **Cell Differ** 1983 Nov;13(3):233–8

Developmental regulation of 16S acetylcholinesterase and acetylcholine receptors in a mouse muscle cell line. Inestrosa NC, et al. **Exp Cell Res** 1983 Sep;147(2):393–405

Quantitative regulation of acetylcholinesterase development in the muscle lineage cells of cleavage-arrested ascidian embryos. Whittaker JR. **J Embryol Exp Morphol** 1983 Aug; 76:235–50

Asymmetric acetylcholinesterase is assembled in the Golgi apparatus. Rotundo RL. **Proc Natl Acad Sci USA** 1984 Jan;81(2):479–83

BLOOD

Cholinesterase in plasma and acetylcholinesterase in erythrocytes from cattle of different breeds and ages and fed different diets. Forslund K, et al. **Acta Vet Scand** 1983; 24(3):328–30

Amphiphile dependency of the monomeric and dimeric forms of acetylcholinesterase from human erythrocyte membrane. Ott P, et al. **Biochim Biophys Acta** 1984 Aug 8;775(1):71–6

Aging of the erythrocyte. XVIII. Changes in kinetic properties of acetylcholinesterase. Grzelińska E, et al. **Enzyme** 1983;30(2):95–8

Alteration in the activities of the membrane integrated enzymes of polymorphonuclear leukocytes in diabetes mellitus. Chari SN, et al. **Indian J Med Res** 1983 Nov; 78:656–60

Human erythrocyte acetylcholinesterase is an amphipathic protein whose short membrane-binding domain is removed by papain digestion. Dutta-Choudhury TA, et al. **J Biol Chem** 1984 May 10;259(9):5653–60

Structure of human erythrocyte acetylcholinesterase. Characterization of intersubunit disulfide bonding and detergent interaction. Rosenberry TL, et al. **J Biol Chem** 1984 May 10;259(9):5643–52

Observation on erythrocyte acetylcholinesterase (AChE) in infants and children with Hirschsprung's disease. She YX, et al. **J Pediatr Surg** 1984 Jun;19(3):281–4

Acetylcholinesterase and ATPases in motor neuron degenerative diseases. Rasool CG, et al. **Muscle Nerve** 1983 Jul-Aug;6(6):430–5

Acetylcholinesterase activity in red cells infected with Plasmodium falciparum culture in vitro. Areekul S, et al. **Southeast Asian J Trop Med Public Health** 1983 Jun; 14(2):276–7

Serum and erythrocyte acetylcholine esterase in Hirschsprung's disease. Okasora T, et al. **Z Kinderchir** 1983 Oct;38(5):298–300

A relation between antibody response and acetylcholinesterase activity in dogs and rabbits infected with Toxocara canis. Matsumura K, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Sep; 255(2–3):397–401

[Properties and characterization of soluble forms of lymphocyte acetylcholinesterase from an ox] Sine JP, et al. **Biochimie** 1984 Mar;66(3):203–14 (Eng. Abstr.) **(Fre)**

[Effect of neuroleptics on the changes in interphase potential and acetylcholinesterase (E.C. 3.1.1.7) activity in the blood of children with schizophrenic psychoses] Bichoński R. **Psychiatr Pol** 1983 Sep-Dec;17(5–6):375–82 (Eng. Abstr.) **(Pol)**

[Changes in the acetylcholinesterase activity of the blood in parkinsonism] Roltrub BA, et al. **Fiziol Zh** 1984 Mar-Apr;30(2):151–6 (Eng. Abstr.) **(Rus)**

[Effect of pesticides on the acetylcholinesterase of erythrocytes and their plasma membranes] Panasenko OM, et al. **Izv Akad Nauk SSSR [Biol]** 1984 Mar-Apr;(2):210–6 (Eng. Abstr.) **(Rus)**

[Effect of alkyl-substituted beta-oxy derivatives of pyridine on erythrocyte acetylcholinesterase activity] Zorina OM, et al. **Izv Akad Nauk SSSR [Biol]** 1983 Jul-Aug;(4):609–13 (Eng. Abstr.) **(Rus)**

[Changes in the acetylcholinesterase activity of the blood from the cervix uteri cervical insufficiency] Handzo I, et al. **Bratisl Lek Listy** 1983 Aug;80(2):157–64 (Eng. Abstr.) **(Slo)**

CEREBROSPINAL FLUID

Dopamine-beta-hydroxylase and acetylcholinesterase activities of cerebrospinal fluid in Alzheimer's disease. Soininen H, et al. **Acta Neurol Scand** 1984 Jul;70(1):29–34

Acetylcholinesterase activity in CSF in schizophrenia, depression, Alzheimer's disease and normals. Deutsch SI, et al. **Biol Psychiatry** 1983 Dec;18(12):1363–73

Decreased ratio of CSF acetylcholinesterase to butyrylcholinesterase activity in Alzheimer's disease [letter] Arendt T, et al. **Lancet** 1984 Jan 21;1(8369):173

DIAGNOSTIC USE

Acetylcholinesterase and choline acetyltransferase staining of neurons in the opossum esophagus. Seelig LL Jr, et al. **Anat Rec** 1984 May;209(1):125–30

GENETICS

The acetylcholinesterase abnormality in dystrophic mice is a reflection of a maturational defect. Skau KA. **Brain Res** 1983 Oct 3;276(1):192–4

Expression of erythroid acetylcholinesterase in the K-562 leukemia cell line. Ajmar F, et al. **Cancer Res** 1983 Nov; 43(11):5560–3

Expression of cholinesterase gene(s) in human brain tissues: translational evidence for multiple mRNA species. Soreq H, et al. **EMBO J** 1984 Jun;3(6):1371–5

The isozymes of membrane-associated enzymes: acetylcholinesterase, succinate dehydrogenase, and glycerol-3-phosphate dehydrogenase. Edwards YH, et al. **Isozymes Curr Top Biol Med Res** 1983;10:125–46 (42 ref.)

Acetylcholinesterase biosynthesis and transport in tissue culture. Rotundo RL. **Methods Enzymol** 1983;96:353–67

Biosynthesis of acetylcholinesterase in rat brain and Torpedo electric organ is directed by scarce mRNA species. Soreq H, et al. **Prog Brain Res** 1983;58:107–15

IMMUNOLOGY

Acetylcholinesterase of Schistosoma mansoni: antigenic cross-reactivity with Electrophorus electricus and its functional implications. Tarrab-Hazdai R, et al. **Eur J Immunol** 1984 Mar;14(3):205–9

An immunological study of rat acetylcholinesterase: comparison with acetylcholinesterases from other vertebrates. Marsh D, et al. **J Neurochem** 1984 Jul; 43(1):204–13

Production and characterization of separate monoclonal antibodies to human acetylcholinesterase and butyrylcholinesterase. Brimijoin S, et al. **Mol Pharmacol** 1983 Nov;24(3):513–20

Clinical and blood chemical effects of crude and purified ostertagia acetylcholinesterase in cattle and sheep. Axelsson S, et al. **Zentralbl Veterinarmed [A]** 1983 Aug;30(7):485–97

ISOLATION & PURIFICATION

Structural differences in the catalytic subunits of acetylcholinesterase forms from the electric organ of Torpedo marmorata. Witzemann V, et al. **EMBO J** 1983; 2(6):873–8

Acetylcholinesterase molecular forms in C57BL/6J dystrophic mice. Lindenbaum MH, et al. **Muscle Nerve** 1983 Nov-Dec;6(9):638–45

Characterization of acetylcholinesterase molecular forms in slow and fast muscle of rat. Groswald DE, et al. **Neurochem Res** 1983 Aug;8(8):983–95

METABOLISM

Topographical distribution of acetylcholinesterase in the subfornical organ of the rat. Achaval M, et al. **Acta Anat (Basel)** 1984;118(3):144–6

Localization of acetylcholinesterase in autonomic nerves of the rat anococcygeus muscle. Iijima T. **Acta Anat (Basel)** 1983;117(2):128–35

Postmortem persistence of acetylcholinesterase activity in the subfornical organ of the rat. Schneider FL, et al. **Acta Anat (Basel)** 1984;118(3):164–6

Brain acetylcholinesterase and its molecular forms in a precocial murid, Acomys cahirinus, and rat during post-natal development. Michalek H, et al. **Acta Biochim Pol** 1984;31(1):149–60

Correlative histochemical and biochemical studies on the adenosine triphosphatase, succinic dehydrogenase and acetylcholinesterase in the epididymis of mice after alpha-chlorohydrin treatment. Kakaria VK, et al. **Acta Eur Fertil** 1983 Sep-Oct;14(5):353–61

Rhythm in acetylcholine-acetylcholinesterase system in the slug, Laevicaulis alte (Ferussac, 1821). Pavan Kumar T, et al. **Acta Physiol Pol** 1982 Sep-Dec;33(5–6):495–502

Activation of plasmalemmal acetylcholine esterase in enucleating normoblasts. Lemke C, et al. **Anat Anz** 1984; 155(1–5):399–401

Morphometric and biochemical studies of peripheral nerves in amyotrophic lateral sclerosis. Bradley WG, et al. **Ann Neurol** 1983 Sep;14(3):267–77

Gel entrapment of enzymes in cross-linked prepolymerized polyacrylamide-hydrazide. Freeman A, et al. **Ann NY Acad Sci** 1983;413:557–9

Acetylcholinesterase in developing embryos of Hyalomma rufipes Koch, 1844 (Ixodoidea: Ixodidae). Rahman MH. **Ann Trop Med Parasitol** 1984 Aug;78(4):405–8

Rat brain acetylcholinesterase turnover in vivo: use of a radioactive methylphosphonothiate irreversible inhibitor. Goossens P, et al. **Biochem Biophys Res Commun** 1984 Aug 30;123(1):71–7

Effects of substance P on acetylcholinesterase activity. Catalán RE, et al. **Biochem Int** 1984 Feb;8(2):203–8

Binding of the asymmetric forms of acetylcholinesterase to heparin. Brandan E, et al. **Biochem J** 1984 Jul 15; 221(2):415–22

Neural 16S acetylcholinesterase is solubilized by heparin. Torres JC, et al. **Biochem J** 1983 Oct 1;215(1):201–4

Influence of phosphatidylserine on (Na+ + K+)-stimulated ATPase and acetylcholinesterase activities of dog brain synaptosomal plasma membranes. Tsakiris S, et al. **Biochem J** 1984 May 15;220(1):301–7

Lignocaine: inhibitory effect on synaptosomal and erythrocyte membrane-bound acetylcholinesterase activity. Haque SJ, et al. **Biochem Pharmacol** 1983 Nov 15;32(22):3443–6

Binding sites on acetylcholinesterase for reversible ligands and phosphorylating agents. A theoretical model tested on haloxon and phosphostigmine. Radić Z, et al. **Biochem Pharmacol** 1984 Feb 15;33(4):671–7

Activation of acetylcholinesterase by monovalent (Na+,K+) and divalent (Ca2+,Mg2+) cations. Hofer P, et al. **Biochemistry** 1984 Jun 5;23(12):2730–4

Alkylboronic acids accelerate affinity labelling of acetylcholinesterase with N,N-dimethyl-2-phenylaziridinium ion. Palumaa P, et al. **Biochim Biophys Acta** 1984 Jan 18;784(1):35–9

Interactions with lectins indicate differences in the carbohydrate composition of the membrane-bound enzymes acetylcholinesterase and 5'-nucleotidase in different cell types. Méflah K, et al. **Biochimie** 1984 Jan; 66(1):59–69

Simultaneous visualization of acetylcholinesterase activity and acetylcholine receptor clusters at neuromuscular synapses in vivo and in vitro. Do Thi A, et al. **Biol Cell** 1984;50(1):99–102

Extrasynaptic accumulations of acetylcholinesterase in the rat sternocleidomastoid muscle after neonatal denervation. Light and electron microscopic localization and molecular forms. Gautron J, et al. **Biol Cell** 1983;49(1):55–67

Recovery of acetylcholinesterase and of its multiple molecular forms in motor end-plate-free and motor end-plate-rich regions of mouse striated muscle, after irreversible inactivation by an organophosphorus compound (methyl-phosphorothiolate derivative). Goudou D, et al. **Biol Cell** 1983;48(2–3):151–7

Development and plasticity of the hippocampal-cholinergic system in normal and early lead exposed rats. Alfano DP, et al. **Brain Res** 1983 Oct;312(1):117–24

Rat striatal cyclic nucleotide-reactive cells and acetylcholinesterase reactive interneurons are separate populations. Ariano MA. **Brain Res** 1984 Mar 26; 296(1):160–3

Development of cholinergic properties in nerve cell cultures in the presence of brain extract. Barakat I, et al. **Brain Res** 1983 Nov 21;279(1–2):207–16

Enhanced acetylcholinesterase staining in the hippocampal perforant pathway zone after combined lesions of the septum and entorhinal cortex. Chen LL, et al. **Brain Res** 1983 Aug 8;272(2):354–9

Recovery of choline acetyltransferase and acetylcholinesterase activities in the ipsilateral hippocampus following unilateral, partial transection of the fimbria in rats. Dravid AR, et al. **Brain Res** 1983 Oct 24; 277(1):169–74

The distribution of cholinesterase and cytochrome oxidase within the dorsal lateral geniculate nucleus of the squirrel monkey. Hess DT, et al. **Brain Res** 1983 Dec 19; 289(1–2):322–5

Localization of cholinesterase activity in the outer plexiform layer of the larval tiger salamander retina. Hutchins JB, et al. **Brain Res** 1984 Feb 6;292(2):303–15

Effect of early unilateral visual deprivation on cholinergic muscarinic receptors and acetylcholinesterase in chick optic lobe. Jerusalinsky DA, et al. **Brain Res** 1984 Jun; 316(2):279–83

Specificity of gonadal hormone modulation of cholinergic enzymes in the avian syrinx. Luine VN, et al. **Brain Res** 1983 Nov 21;279(1–2):339–42

Acetylcholinesterase associated with dopaminergic innervation of the neostriatum: histochemical observations of a heterogeneous distribution. Marshall JF, et al. **Brain Res** 1983 Sep 12;274(2):283–9

The occurrence of large acetylcholinesterase-containing neurons in human neostriatum as disclosed in normal and Alzheimer-diseased brains. Parent A, et al. **Brain Res** 1984 Jan 16;291(1):154–8

Evidence for a functional role of acetylcholinesterase in cultured chick myotubes. Sampson SR, et al. **Brain Res** 1983 Dec 19;289(1-2):338-41

The distribution of hexokinase compared to cytochrome oxidase and acetylcholinesterase in the somatosensory cortex and the superior colliculus of the rat. Sandell JH. **Brain Res** 1984 Jan 9;290(2):384-9

Postnatal developments of AChE activity in the hippocampus of the reeler mutant mouse. Terada S, et al. **Brain Res** 1983 Dec;313(2):219-27

Cholinesterase activity in the rat superior cervical ganglion: effect of denervation and axotomy. Viana GB, et al. **Brain Res** 1984 Jun 18;304(1):37-45

Prenatal ethanol exposure alters the post-lesion reorganization (sprouting) of acetylcholinesterase staining in the dentate gyrus of adult rats. *West JR, et al.* **Brain Res** 1984 Jan;314(1):83-95

Catecholamines and cholinergic enzymes in pre-senile and senile Alzheimer-type dementia and Down's syndrome. Yates CM, et al. **Brain Res** 1983 Nov 28;280(1):119-26

Localization of substance P, acetylcholinesterase, muscarinic receptors and alpha-bungarotoxin binding sites in the rat interpeduncular nucleus. Rotter A, et al. **Brain Res Bull** 1984 Jan;12(1):83-94

Distribution of acetylcholinesterase-containing neurons in the basal forebrain and upper brainstem of the squirrel monkey (Saimiri sciureus). Smith Y, et al. **Brain Res Bull** 1984 Jan;12(1):95-104

Factors affecting the sensitivity and consistency of the Koelle-Friedenwald histochemical method for localization of acetylcholinesterase. van Ooteghem SA, et al. **Brain Res Bull** 1984 May;12(5):543-53

Aluminum activation and inactivation of bovine caudate acetylcholinesterase. Marquis JK, et al. **Bull Environ Contam Toxicol** 1984 Jun;32(6):704-10

Effects of field application of the anti-cholinesterase insecticide methomyl on brain acetylcholinesterase activities in wild Mus musculus. Montz WE Jr, et al. **Bull Environ Contam Toxicol** 1983 Aug;31(2):158-63

Scanning-integrating cytophotometric analyses of brain neuronal RNA and acetylcholinesterase in acute soman toxicated rats. Anthony A, et al. **Cell Biochem Funct** 1983 Apr;1(1):30-6

Biochemical and histochemical aspects of acetylcholinesterase development in the larval CNS of Xenopus laevis. Schlesinger C, et al. **Cell Mol Biol** 1984; 30(1):5-9

Appearance of acetylcholinesterase molecular forms in noninnervated cultured primary chick muscle cells. Popiela H, et al. **Cell Mol Neurobiol** 1983 Sep;3(3):263-77

Is intracellular acetylcholinesterase involved in the processing of peptide neurotransmitters? Chubb IW, et al. **Clin Exp Hypertens [A]** 1984;6(1-2):79-89 (31 ref.)

Cholinergic receptor site binding, choline acetyltransferase, and acetylcholinesterase activity in the forebrain and brainstem of the Dahl rat model of essential hypertension. Edwards E, et al. **Clin Exp Hypertens [A]** 1983; 5(10):1683-702

Ecdysterone induces acetylcholinesterase in mammalian brain. Catalan RE, et al. **Comp Biochem Physiol [C]** 1984; 78(1):193-5

Effects of ambient temperature on brain acetylcholinesterase activity and protein content in three Egyptian vertebrates. Mohamed MI, et al. **Comp Biochem Physiol [C]** 1983; 76(1):127-30

Extensive nerve overgrowth and paucity of the tailed asymmetric form (16 S) of acetylcholinesterase in the developing skeletal neuromuscular system of the dysgenic (mdg/mdg) mouse. Rieger F, et al. **Dev Biol** 1984 Jan; 101(1):181-91

Appearance of high-molecular-weight acetylcholinesterase in aneural muscle developing in vivo. Sohal GS, et al. **Dev Biol** 1984 Jan;101(1):229-34

Regulation of enzymes responsible for neurotransmitter synthesis and degradation in cultured rat sympathetic neurons. II. Regulation of 16 S acetylcholinesterase by conditioned medium. Swerts JP, et al. **Dev Biol** 1984 May; 103(1):230-4

Gangliosides accelerate rat neonatal learning and levels of cortical acetylcholinesterases. Karpiak SE, et al. **Dev Neurosci** 1983-84;6(2):127-35

Characterization of activities and forms of cholinesterases in human primary brain tumors. Razon N, et al. **Exp Neurol** 1984 Jun;84(3):681-95

Axonal transport of acetylcholinesterase in the diabetic mutant mouse. Vitadello M, et al. **Exp Neurol** 1983 Oct; 82(1):143-7

Activation of acetylcholine esterase (ACHE) as a sign for erythrocyte membrane alteration. Halbhuber KJ, et al. **Exp Pathol** 1984;25(1):35-44

Subcellular distribution of acetylcholinesterase asymmetric forms during postnatal development of mammalian skeletal muscle. Fernandez HL, et al. **FEBS Lett** 1984 May 7; 170(1):147-51

Hydrophobic labeling of the membrane binding domain of acetylcholinesterase from Torpedo marmorata. Stieger S, et al. **FEBS Lett** 1984 Mar 26;168(2):231-4

Seasonal differences in circadian acetylcholinesterase activity in the brain stem reticular formation of the mouse. Lewandowski M. **Folia Biol (Krakow)** 1983;31(4):373-9

Choline acetyltransferase and acetylcholinesterase in centrifugal labyrinthine bundles of rats. Godfrey DA, et al. **Hear Res** 1984 Apr;14(1):93-106

The ultrastructural ionic fixation technique localizing acetylcholinesterase activity, reveals simultaneously acetylcholine-like cation in the synaptic vesicles of the motor nerve terminals. Tsuji S. **Histochemistry** 1984; 81(1):35-7

Effect of reserpine on acetylcholinesterase & adenosine triphosphatase activities in rat. Gandhi VC, et al. **Indian J Med Res** 1984 Feb;79:277-83

Effect of gamma radiation on enzymatic activity and sulphydryl groups of human erythrocyte membrane. Palecz D, et al. **Int J Radiat Biol** 1983 Sep;44(3):293-9

Direct determination of acetyl-enzyme intermediate in the acetylcholinesterase-catalyzed hydrolysis of acetylcholine and acetylthiocholine. Froede HC, et al. **J Biol Chem** 1984 *Sep 10;259(17):11010-3*

Heavy isotope-labeling study of the metabolism of monomeric and tetrameric acetylcholinesterase forms in *the murine neuronal-like T 28 hybrid cell line. Lazar M,* et al. **J Biol Chem** 1984 Mar 25;259(6):3703-13

The analogous mechanisms of enzymatic inactivation induced by ascorbate and superoxide in the presence of copper. Shinar E, et al. **J Biol Chem** 1983 Dec 25;258(24):14778-83

Histochemical demonstration of acetylcholinesterase in neuroblastoma. Variend S, et al. **J Clin Pathol** 1984 Mar; 37(3):288-92

The distribution of acetylcholinesterase in the hippocampal formation of the monkey. Bakst I, et al. **J Comp Neurol** 1984 May 20;225(3):344-71

Acetylcholinesterase activity in the sexually dimorphic area of the gerbil brain: sex differences and influences of adult gonadal steroids. Commins D, et al. **J Comp Neurol** 1984 Mar 20;224(1):123-31

Acetylcholinesterase-immunoreactive axonal network in monkey visual cortex. Hedreen JC, et al. **J Comp Neurol** 1984 Jun 20;226(2):246-54

Ultrastructural study and cholinesterase activity of paired capillaries in the newt brain. Ciani F, et al. **J Hirnforsch** 1984;25(1):11-20

Decreased G4 (10S) acetylcholinesterase content in motor nerves to fast muscles of dystrophic 129/ReJ mice: lack of a specific compartment of nerve acetylcholinesterase? Gisiger V, et al. **J Neurochem** 1984 Jul;43(1):174-83

Asymmetric and globular forms of AChE in slow and fast muscles of 129/ReJ normal and dystrophic mice. Gisiger V, et al. **J Neurochem** 1983 Oct;41(4):919-29

Evidence for the neurotrophic regulation of collagen-tailed acetylcholinesterase in immature skeletal muscle by beta-endorphin. Haynes LW, et al. **J Neurochem** 1984 Jun; 42(6):1542-51

Bovine nucleus caudatus acetylcholinesterase: active site determination and investigation of a dimeric form obtained by selective proteolysis. Landauer P, et al. **J Neurochem** 1984 Sep;43(3):799-805

Age-related responses of skeletal muscle after ectopic innervation, with particular reference to 16S acetylcholinesterase, in adult rats. Maldonado M, et al. **J Neurochem** 1984 Aug;43(2):375-81

Is butyrylcholinesterase of the rat CNS a membrane-bound enzyme? Meisami E. **J Neurochem** 1984 Mar;42(3):883-6

The muscarinic receptor adenylate cyclase complex of rat striatum: desensitization following chronic inhibition of acetylcholinesterase activity. Olianas MC, et al. **J Neurochem** 1984 May;42(5):1439-43

Intralaminar neurochemical distributions in human midtemporal cortex: comparison between Alzheimer's disease and the normal. Perry EK, et al. **J Neurochem** 1984 May;42(5):1402-10

Change in the distribution of acetylcholinesterase molecular forms in Hirschsprung's disease. Rakonczay Z, et al. **J Neurochem** 1984 Oct;43(4):1194-6

Increase of junctional and background 16S (tailed, asymmetric) acetylcholinesterase during postnatal maturation of rat and mouse sternocleidomastoid muscle. Rieger F, et al. **J Neurochem** 1984 Mar;42(3):601-6

Early inhibition of acetylcholinesterase and choline acetyltransferase activity in herpes simplex virus type 1 infection of PC12 cells. Rubenstein R, et al. **J Neurochem** 1984 Jan;42(1):142-50

The effect of spontaneous electromechanical activity on the metabolism of acetylcholinesterase in cultured embryonic rat myotubes. Brockman SK, et al. **J Neurosci** 1984 Jan; 4(1):131-40

Control of swimming in cercariae of Proterometra macrostoma (Digenea). Uglem GL, et al. **J Parasitol** 1983 Oct;69(5):866-70

Chemical reactivations of inactivated acetylcholinesterase after 2-PAM therapy in fenitrothion-poisoned rat and rabbit. Matsubara T, et al. **J Pharmacobiodyn** 1984 Feb; 7(2):131-7

Acetylcholinesterase activity in intact and homogenized skeletal muscle of the frog. Miledi R, et al. **J Physiol (Lond)** 1984 Apr;349:663-86

Turnover of acetylcholinesterase in innervated and denervated rat diaphragm. Newman JR, et al. **J Physiol (Lond)** 1984 Jul;352:305-18

Alzheimer's disease and acetylcholinesterase-containing neurons [letter] Smith AD, et al. **Lancet** 1984 Mar 3; 1(8375):513

Kinetic properties of soluble and membrane-bound acetylcholinesterase from electric eel. Lenz DE, et al. **Life Sci** 1984 Jan 16;34(3):219-24

Acetylcholinesterase activity and its fast axonal transport in rabbit sciatic nerves during the recovery phase of experimental allergic neuritis. Oikarinen R, et al. **Neuropathol Appl Neurobiol** 1984 May-Jun;10(3):163-71

Effect of early light deprivation on acetylcholinesterase activity in the visual cortex. Busnyuk MM. **Neurosci Behav Physiol** 1983 Mar-Apr;13(2):122-5

Neurochemical asymmetry of the human cerebral hemispheres. Kononenko VS. **Neurosci Behav Physiol** 1983 Mar-Apr;13(2):89-94

Molecular forms of acetylcholinesterase in senile dementia of Alzheimer type: selective loss of the intermediate (10S) form. Atack JR, et al. **Neurosci Lett** 1983 Sep 30; 40(2):199-204

Denervation induced changes in subcellular pools of 16S acetylcholinesterase activity from adult mammalian skeletal muscle. Fernandez HL, et al. **Neurosci Lett** 1984 Feb 10; 44(2):187-92

Fate of collagen-tailed acetylcholinesterase upon extraction of chick retina with salt-detergent solutions in the absence of EDTA. Gómez-Barriocanal J, et al. **Neurosci Lett** 1983 Aug 8;38(3):321-6

Ontogeny of the rat striatum: correspondence of dopamine terminals, opiate receptors and acetylcholinesterase. Murrin LC, et al. **Neurosci Lett** 1984 Jun 15;47(2):155-60

Localization of enkephalin-like immunoreactivity in acetylcholinesterase-positive cells in the guinea-pig lateral superior olivary complex that project to the cochlea. Altschuler RA, et al. **Neuroscience** 1983 Jul;9(3):621-30

The section-Golgi-impregnation procedure—3. Combination of Golgi-impregnation with enzyme histochemistry and electron microscopy to characterize acetylcholinesterase-containing neurons in the rat neostriatum. Bolam JP, et al. **Neuroscience** 1984 Jul; 12(3):687-709

Acetylcholinesterase activity of Xenopus laevis oocytes. Gundersen CB, et al. **Neuroscience** 1983 Dec;10(4):1487-95

Cell clusters in the nucleus accumbens of the rat, and the mosaic relationship of opiate receptors, acetylcholinesterase and subcortical afferent terminations. Herkenham M, et al. **Neuroscience** 1984 Mar;11(3):561-93

Atlas of cholinergic neurons in the forebrain and upper brainstem of the macaque based on monoclonal choline acetyltransferase immunohistochemistry and acetylcholinesterase histochemistry. Mesulam MM, et al. **Neuroscience** 1984 Jul;12(3):669-86

Effects of obidoxime chloride on native and sarin-poisoned frog neuromuscular junctions. Caratsch CG, et al. **Pflugers Arch** 1984 May;401(1):84-90

Changes in acetylcholinesterase and cholinesterase activities in rat pancreas during postnatal development. Lack of relation with muscarinic receptor maturation. Dumont Y, et al. **Pharmacology** 1984;29(1):40-6

Acetylcholinesterase of mammalian neuromuscular junctions: presence of tailed asymmetric acetylcholinesterase in synaptic basal lamina and sarcolemma. Dreyfus PA, et al. **Proc Natl Acad Sci USA** 1983 Nov;80(21):6698-702

Comparative localization of acetylcholinesterase and pseudocholinesterase during morphogenesis of the chicken brain. Layer PG. **Proc Natl Acad Sci USA** 1983 Oct; 80(20):6413-7

Assays for cholinergic properties in cultured rat Schwann cells. Brockes JP. **Proc R Soc Lond [Biol]** 1984 Jul 23; 222(1226):121-34

Nephrectomy abolishes the increase in small acetylcholinesterase-positive immature rat megakaryocytes induced by acute thrombocytopenia. McDonald TP, et al. **Proc Soc Exp Biol Med** 1983 Oct;174(1):131-6

Molecular forms of acetylcholinesterase in brain, nerve and muscle: nature, localization and dynamics. Brimijoin S. **Prog Neurobiol** 1983;21(4):291-322 (185 ref.)

Coexistence of acetylcholinesterase and somatostatin-immunoreactivity in neurons cultured from rat cerebrum. Delfs JR, et al. **Science** 1984 Jan 6; 223(4631):61-3

Effect of hemagglutinin extracts on acetylcholinesterase activity in some brain areas of weanling rats. Ologhobo AD, et al. **Toxicol Lett** 1983 Jul;17(3-4):247-52

Inhibition kinetics of certain organophosphorus and carbamate pesticides on acetylcholinesterase from the snail Lymnaea acuminata. Singh DK, et al. **Toxicol Lett** 1983 Dec;19(3):313-9

[Diagnosis of Hirschsprung's disease: value of acetylcholinesterase histochemical reactions in aspiration rectal biopsies] Brochu P, et al. **Union Med Can** 1984 May; 113(5):366-73, 362 (Eng. Abstr.) **(Fre)**

[Cholinergic action and adrenal cortex function in rats following pirimor poisoning] Osicka-Koprowska A, et al. **Przegl Lek** 1983;40(7):575-7 (Eng. Abstr.) **(Pol)**

[Acetylcholinesterase activity in metabolites and tissue extracts of Ostertagia circumcincta in various developmental stages] Wędrychowicz H. **Wiad Parazytol** 1983;29(3):297-308 (Eng. Abstr.) **(Pol)**

[Compensation for differences in slice thickness in visual ranking of the intensity of histochemical reactions] Loseva EV, et al. **Arkh Anat Gistol Embriol** 1984 Jun;86(6):85-90 **(Rus)**

[Bio- and histochemical study of the dynamics of brain acetylcholinesterase activity in rats during the development of a conditioned reflex] Dish TN, et al. **Izv Akad Nauk SSSR [Biol]** 1983 Jul-Aug;(4):617-20 (Eng. Abstr.) **(Rus)**

[Dynamics of acetylcholinesterase activity in the hippocampus of rats developing a conditioned defense reflex] Loseva EV, et al. **Izv Akad Nauk SSSR [Biol]** 1984 Jan-Feb;(1):133-7 (Eng. Abstr.) **(Rus)**

[Cholinergic structures in the auditory area of the cerebral cortex in the cat (zone AI)] Burchinskaia LF, et al. **Neirofiziologiia** 1984;16(1):75-81 (Eng. Abstr.) **(Rus)**

[Intrinsic cholinergic components in the cholinergic innervation of the auditory cortex in the cat (zone AI)] Burchinskaia LF, et al. **Neirofiziologiia** 1984;16(1):81-7 (Eng. Abstr.) **(Rus)**

[Comparative study of the effect of verapamil and tubocurarine on acetylcholinesterase of skeletal muscle sarcolemma] Diadiusha GP, et al. **Ukr Biokhim Zh** 1983 Sep-Oct;55(5):513-6 (Eng. Abstr.) **(Rus)**

[Quantitative histochemical study of acetylcholinesterase and succinate dehydrogenase activity in the brain of the suslik Citellus parryi] Murav'eva LI, et al. **Zh Evol Biokhim Fiziol** 1984 Mar-Apr;20(2):162-6 (Eng. Abstr.) **(Rus)**

[Histochemical detection of acetylcholinesterase in neurons with retrograde horse-radish peroxidase labeling of the telencephalon of the frog Rana temporaria] Ragimova NG, et al. **Zh Evol Biokhim Fiziol** 1984 Mar-Apr;20(2):224-5 **(Rus)**

PHARMACODYNAMICS

Treatment of sections of chick retina with acetylcholinesterase increases the enkephalin and substance P immunoreactivity. Millar TJ, et al. **Neuroscience** 1984 Jun;12(2):441-51

PHYSIOLOGY

Acetylcholinesterase is functional in embryonic rat muscle before its accumulation at the sites of nerve-muscle contact. Ziskind-Conhaim L, et al. **Dev Biol** 1984 Jun;103(2):369-77

A non-cholinergic function for acetylcholinesterase in the substantia nigra: behavioural evidence. Greenfield SA, et al. **Exp Brain Res** 1984;54(3):513-20

The enkephalins are amongst the peptides hydrolyzed by purified acetylcholinesterase. Chubb IW, et al. **Neuroscience** 1983 Dec;10(4):1369-77

RADIATION EFFECTS

The effect of exposure of acetylcholinesterase to 2,450-MHz microwave radiation. Millar DB, et al. **Bioelectromagnetics** 1984;5(2):165-72

SECRETION

Parallel but separate release of catecholamines and acetylcholinesterase from stimulated adrenal chromaffin cells in culture. Mizobe F, et al. **J Neurochem** 1984 May; 42(5):1433-8

Acetylcholinesterase secreted by intestinal nematodes: a reinterpretation of its putative role of 'biochemical holdfast' [letter] Philipp M. **Trans R Soc Trop Med Hyg** 1984; 78(1):138-9

ACETYLCHOLINESTERASE INHIBITORS see **CHOLINESTERASE INHIBITORS**

ACETYLCYSTEINE

Determination of D- and L-aspartate in amino acid mixtures by high-performance liquid chromatography after derivatization with a chiral adduct of o-phthaldialdehyde. Aswad DW. **Anal Biochem** 1984 Mar;137(2):405-9

Use of local electrostatic environments of cysteines to enhance formation of a desired species in a reversible disulfide exchange reaction. Snyder GH, et al. **Biochim Biophys Acta** 1983 Dec 28;749(3):219-26

Nonenzymatic formation of 'energy-rich' lactoyl and glyceroyl thioesters from glyceraldehyde and a thiol. Weber AL. **J Mol Evol** 1984;20(2):157-66

ADMINISTRATION & DOSAGE

The effect of cysteine and N-acetyl cysteine on rat liver glutathione (GSH). Estrela JM, et al. **Biochem Pharmacol** 1983 Nov 15;32(22):3483-5

Ultrastructure of rabbit tracheal epithelium after oral administration of broncholysine (N-acetylcystein). Konrádová V, et al. **Folia Morphol (Praha)** 1983; 31(3):250-7

Combination of chemolysis and shock wave lithotripsy in the treatment of cystine renal calculi. Schmeller NT, et al. **J Urol** 1984 Mar;131(3):434-8

Transtympanic iontophoresis: personal experience. Passàli D, et al. **Laryngoscope** 1984 Jun;94(6):802-6

Mucomyst for abscesses: a clinical comment. Dawson SL, et al. **Radiology** 1984 May;151(2):342

ADVERSE EFFECTS

Asthma associated with N-acetylcysteine infusion and paracetamol poisoning: report of two cases. Ho SW, et al. **Br Med J [Clin Res]** 1983 Sep 24;287(6396):876-7

Adverse reactions to acetylcysteine and effects of overdose. Mant TG, et al. **Br Med J [Clin Res]** 1984 Jul 28; 289(6439):217-9

Asthma associated with N-acetylcysteine infusion and paracetamol poisoning [letter] Vale JA, et al. **Br Med J [Clin Res]** 1983 Oct 22;287(6400):1223

Adverse reactions to N-acetylcysteine [letter] Bateman DN, et al. **Lancet** 1984 Jul 28;2(8396):228

Skin damage from acetylcysteine leak during percutaneous abscess drainage. Casola G, et al. **Radiology** 1984 Jul; 152(1):233

ANALOGS & DERIVATIVES

Evidence for the active renal secretion of S-pentachlorophenyl-N-acetyl-L-cysteine by female rats. Smith AG, et al. **Biochem Pharmacol** 1983 Dec 15; 32(24):3797-801

Nonenzymatic formation of 'energy-rich' lactoyl and glyceroyl thioesters from glyceraldehyde and a thiol. Weber AL. **J Mol Evol** 1984;20(2):157-66

Formation of pentachlorothioanisole from N-acetyl-S-(pentachlorophenyl) cysteine in blood and liver of rats 'in vivo'. Renner G. **Life Sci** 1983 Oct 3; 33(14):1427-31

ANALYSIS

A vascular smooth muscle alpha-isoactin biosynthetic intermediate in BC3H1 cells. Identification of acetylcysteine at the NH2 terminus. Strauch AR, et al. **J Biol Chem** 1984 Jun 10;259(11):7224-9

BLOOD

High-performance liquid chromatographic assay for N-acetylcysteine in plasma and urine. Lewis PA, et al. **J Pharm Sci** 1984 Jul;73(7):996-8

METABOLISM

Characterization of the biliary and urinary glutathione and N-acetylcysteine metabolites of the hepatic carcinogen 1'-hydroxysafrole and its 1'-oxo metabolite in rats and mice. Fennell TR, et al. **Cancer Res** 1984 Aug;44(8):3231-40

Hepato-renal cooperation in biotransformation, membrane transport, and elimination of cysteine S-conjugates of xenobiotics. Inoue M, et al. **J Biochem (Tokyo)** 1984 Jan; 95(1):247-54

Metabolism of the mercapturic acid of 2,4',5-trichlorobiphenyl in rats and mice. Bakke JE, et al. **Xenobiotica** 1983 Oct;13(10):597-605

PHARMACODYNAMICS

The effectiveness of N-acetylcysteine in isolated hepatocytes, against the toxicity of paracetamol, acrolein, and paraquat. Dawson JR, et al. **Arch Toxicol** 1984 Mar;55(1):11-5

Potency of n-acetylcysteine as a collagenase inhibitor in pharmaceutical preparations--effects of temperature and storage. Costa ND, et al. **Aust Vet J** 1983 Jun;60(6):195-6

Potentiation of the cardiovascular effects of nitroglycerin by N-acetylcysteine. Horowitz JD, et al. **Circulation** 1983 Dec;68(6):1247-53

Effect of N-acetylcysteine on the pulmonary response to endotoxin in the awake sheep and upon in vitro granulocyte function. Bernard GR, et al. **J Clin Invest** 1984 Jun; 73(6):1772-84

Attempt to prevent doxorubicin-induced acute human myocardial morphologic damage with acetylcysteine. Unverferth DV, et al. **JNCI** 1983 Nov;71(5):917-20

Reversal of acetaminophen intoxication with an N-acetylcysteine-liposome preparation. Khairy L, et al. **Res Commun Chem Pathol Pharmacol** 1983 Oct;42(1):153-6

A comparison of the protective effects of N-acetyl-cysteine and S-carboxymethylcysteine against paracetamol-induced hepatotoxicity. Ioannides C, et al. **Toxicology** 1983 Nov; 28(4):313-21

THERAPEUTIC USE

Effects of inhaled N-acetylcysteine in combination with terbutaline. Stiksa G, et al. **Eur J Respir Dis** 1984 May; 65(4):278-82

Efficacy and tolerability of oral acetylcysteine (Fabrol) in chronic bronchitis: a double-blind placebo controlled study. Jackson IM, et al. **J Int Med Res** 1984;12(3):198-206

Irish general practice study of acetylcysteine (Fabrol) in chronic bronchitis. Tattersall AB, et al. **J Int Med Res** 1984;12(2):96-101

Acetylcysteine (Fabrol) in chronic bronchitis--a study in general practice. Tattersall AB, et al. **J Int Med Res** 1983; 11(5):279-84

Use of acetyl cysteine in respiratory tract disease in children. Trastotenojo MS, et al. **Paediatr Indones** 1984 Jan-Feb; 24(1-2):1-10

[Acetylcysteine (Fabrol, Mucomyst) in chronic obstructive lung disease/bronchitis] Heinig JH, et al. **Ugeskr Laeger** 1984 Apr 16;146(16):1229-32 **(Dan)**

[N-Acetylcysteine as an antidote in accidental acrylonitrile poisoning] Buchter A, et al. **Int Arch Occup Environ Health** 1984;53(4):311-9 (Eng. Abstr.) **(Ger)**

[Practical experiences with antegrade local chemolysis of struvite/apatite, uric acid and cystine calculi in the kidney] Weirich W, et al. **Urologe [Ausg A]** 1984 Mar;23(2):95-8 (Eng. Abstr.) **(Ger)**

TOXICITY

In vitro effects of N-acetylcysteine on the mutagenicity of direct-acting compounds and procarcinogens. De Flora S, et al. **Carcinogenesis** 1984 Apr;5(4):505-10

URINE

N-acetylcysteine and sodium 2-mercaptoethane sulfonate as sources of urinary thiol groups in the rat. Ormstad K, et al. **Cancer Res** 1984 Sep;44(9):3797-800

Mercapturic acid metabolites from 2-, 3-, and 4-ethenyl-methylbenzenes in the rat. Kühler T. **Xenobiotica** 1984 May;14(5):417-28

ACETYLDIGITOXINS see under **DIGITOXIN**

ACETYLDIGOXINS see under **DIGOXIN**

ACETYLENE

ANALOGS & DERIVATIVES

Delayed dermal burns caused by dimethyl acetylenedicarboxylate. Slovak AJ, et al. **Contact Dermatitis** 1984 Jul;11(1):29-30

POISONING

Mortality from lung cancer in an acetylene and phthalic anhydride plant. A case-referent study. Riboli E, et al. **Scand J Work Environ Health** 1983 Dec;9(6):455-62

ACETYLGALACTOSAMINE see under **GALACTOSAMINE**

ACETYLGLUCOSAMINE see under **GLUCOSAMINE**

ACETYLGLUCOSAMINIDASE see under **GLUCOSAMINIDASE**

N-ACETYLLACTOSAMINE SYNTHETASE see under **LACTOSE SYNTHETASE**

N-ACETYLMURAMOYL-L-ALANINE AMIDASE see under **AMIDOHYDROLASES**

ACETYLMURAMYL-ALANYL-ISOG

Experimental uveitis. Elicited by peptidoglycan-polysaccharide complexes, lipopolysaccharide, and muramyl dipeptide. Fox A, et al. **Arch Ophthalmol** 1984 Jul;102(7):1063-7

Adjuvant activity of muramyldipeptide in a guinea pig model of contact allergy to chromium. Jirová D, et al. **J Hyg Epidemiol Microbiol Immunol** 1983;27(4):395-402

ADMINISTRATION & DOSAGE

An improved in vitro immunization procedure for the production of monoclonal antibodies against neural and other antigens. Boss BD. **Brain Res** 1984 Jan 16; 291(1):193-6

Opposite effects of the synthetic immunomodulator, muramyl dipeptide, on rejection of mouse skin allografts. Zídek Z, et al. **Eur J Immunol** 1983 Oct;13(10):859-61

Muramyl peptides. Variation of somnogenic activity with structure. Krueger JM, et al. **J Exp Med** 1984 Jan 1; 159(1):68-76

ANALOGS & DERIVATIVES

Muramyl dipeptides: prospect for cancer treatments and immunostimulation. Kotani S, et al. **Adv Exp Med Biol** 1983;166:117-58

Inhibition of endogenous pyrogen-induced fever by a muramyl dipeptide derivative. Parant M, et al. **Am J Physiol** 1984 Sep;247(3 Pt 1):C169-74

Age-dependent effects of aminobutyryl muramyl dipeptide on alveolar macrophage function in infant and adult Macaca monkeys. Jacobs RF, et al. **Am Rev Respir Dis** 1983 Nov;128(5):862-7

Synthesis and biological activities of N-acetyl-1-thiomuramoyl-L-alanyl-D-isoglutamine and some of its lipophilic derivatives. Hasegawa A, et al. **Carbohydr Res** 1983 Nov 25;123(2):183-99

Synthesis of (N-acetyl-1-O-acylmuramoyl)-L-alanyl-D-isoglutamines and their immunoadjuvant activities. Hasegawa A, et al. **Carbohydr Res** 1983 Nov 11;123(1):63-71

Chemical modification of the C-6 substituent in the carbohydrate moiety of N-acetylmuramoyl-L-alanyl-D-isoglutamine (MDP), and the immunoadjuvant activity. Okumura H, et al. **Carbohydr Res** 1983 Oct 14;122(1):87-98

Enzymatic preparation of an immunostimulant, the disaccharide-dipeptide, N-acetyl-beta-D-glucosaminyl-(1----4)-N-acetylmuramogl utamine, from a bacterial peptidoglycan. Guinand M, et al. **Eur J Biochem** 1984 Sep 3;143(2):359-62

Enhancement by murabutide of the immune response to natural and synthetic hepatitis B surface antigens. Audibert FM, et al. **Infect Immun** 1984 Jul;45(1):261-6

Two adjuvant-active muramyl dipeptide analogs induce differential production of lymphocyte-activating factor and a factor causing distress in guinea pigs. Byars NE. **Infect Immun** 1984 May;44(2):344-50

Stimulation of complement production in mice by N

alpha-(N-acetylmuramyl-L-alanyl-D-isoglutamine)-N epsilon-stearoyl-L-lysine. Endo N, et al. **Infect Immun** 1983 Nov;42(2):618-22

Modulation of myelopoiesis in vivo by synthetic adjuvant-active muramyl peptides: induction of colony-stimulating activity and stimulation of stem cell proliferation. Galelli A, et al. **Infect Immun** 1983 Dec; 42(3):1081-5

Comparison of immunomodulatory activities in mice and guinea pigs of a synthetic desmuramyl peptidolipid triglymyc. Leclerc CD, et al. **Infect Immun** 1984 Mar; 43(3):870-5

Preventive effect of a quinonyl derivative of N-acetylmuramyl dipeptide, QMDP-66, against adriamycin-induced ECG abnormalities in rats. Shimamoto N, et al. **Int J Immunopharmacol** 1983;5(3):245-51

Muracein--muramyl peptides produced by Nocardia orientalis as angiotensin-converting enzyme inhibitors. I. Taxonomy, fermentation and biological properties. Bush K, et al. **J Antibiot (Tokyo)** 1984 Apr;37(4):330-5

Muracein--muramyl peptides produced by Nocardia orientalis as angiotensin-converting enzyme inhibitors. II. Isolation and structure determination. Singh PD, et al. **J Antibiot (Tokyo)** 1984 Apr;37(4):336-43

Potentiating effect of muramyl dipeptide and its lipophilic analog encapsulated in liposomes on tumor cell killing by human monocytes. Sone S, et al. **J Immunol** 1984 Apr; 132(4):2105-10

Synthesis of a biologically active fluorescent muramyl dipeptide congener. Hiebert CK, et al. **J Med Chem** 1983 Dec;26(12):1729-32

Muramyl peptides: immunomodulators, sleep factors, and vitamins. Adam A, et al. **Med Res Rev** 1984 Apr-Jun; 4(2):111-52 (271 ref.)

[Immunoactive peptides] Ivanov VT. **Vopr Med Khim** 1984 May-Jun;30(3):23-31 (Eng. Abstr.) **(Rus)**

ANALYSIS

[Demonstration of a bacterial structure in two human mediators: a sleep facilitating factor and a monokine] Chedid L, et al. **C R Seances Acad Sci [III]** 1983; 297(4):209-12 (Eng. Abstr.) **(Fre)**

CHEMICAL SYNTHESIS

Synthesis and immunoadjuvant activity of N-[2-O-(2-acetamido-2,3,di-deoxy-6-thio-D-glucopyran toy l]-L- alanyl-D-isoglutamine derivatives. Hasegawa A, et al. **Carbohydr Res** 1984 Jul 1;129:271-7

IMMUNOLOGY

Enhancement of the local inflammatory response to bacterial infection by muramyl dipeptide. Lamont PM, et al. **Br J Exp Pathol** 1984 Jun;65(3):319-25

Augmentation of protective and antibacterial activity induced by muramyl dipeptides in CBA/N defective mice with X-linked immunodeficiency for Salmonella enteritidis infection. Onozuka K, et al. **Infect Immun** 1984 Aug; 45(2):424-7

Immune response to porin in cattle immunized with whole cell, outer membrane, and outer membrane protein antigens of Brucella abortus combined with trehalose dimycolate and muramyl dipeptide adjuvants. Winter AJ, et al. **Infect Immun** 1983 Dec;42(3):1159-67

Effects of mycobacterial fractions and muramyl dipeptide on the resistance of mice to aerogenic influenza virus infection. Masihi KN, et al. **Int J Immunopharmacol** 1983; 5(5):403-10

Production of a high affinity antibody specific to the calcium-free-form of calmodulin, using N-acetyl-muramyl-L-alanyl-D-isoglutamine-calmodulin conjugate. Slaninová J, et al. **J Immunoassay** 1983; 4(4):395-406

In vitro immunization against autologous glioblastoma cells coupled to adjuvant peptide. Eggers AE, et al. **J Neurol Sci** 1984 Feb;63(2):147-51

Acute demyelination in EAE after pretreatment with foreign protein and muramyl dipeptide (MDP). Colover J. **Prog Clin Biol Res** 1984;146:37-42

METABOLISM

Pharmacokinetics and metabolism of muramyl dipeptide and nor-muramyl dipeptide [3H-labelled] in the mouse. Ambler L, et al. **Int J Immunopharmacol** 1984;6(2):133-9

The fate of nor-muramyl dipeptide (3H-labelled) after local administration in incomplete Freund's adjuvant in the guinea pig. Hudson AM. **Int J Immunopharmacol** 1984; 6(2):119-24

PHARMACODYNAMICS

Anti-inflammatory effects of muramyl dipeptide in experimental models of acute inflammation. Zidek Z, et al. **Agents Actions** 1984 Jan;14(1):72-5

Tumoricidal activation of murine alveolar macrophages by muramyldipeptide substituted mannosylated serum albumin. Monsigny M, et al. **Biochem Biophys Res Commun** 1984 Jun 15;121(2):579-84

Marked enhancement of macrophage activation induced by synthetic muramyl dipeptide (MDP) conjugate using monoclonal anti-MDP antibodies. Leclerc C, et al. **Cell Immunol** 1984 Jul;86(2):269-77

Regulation by muramyl dipeptide (MDP) of the lymphoproliferative responses and polyclonal activation of human peripheral blood mononuclear cells. Bahr GM, et al. **Clin Exp Immunol** 1984 Jul;57(1):178-86

Stimulation of macrophage protease secretion via liposomal delivery of muramyl dipeptide derivatives to intracellular sites. Mehta K, et al. **Immunology** 1984 Mar;51(3):517-27

Biphasic effects of muramyl dipeptide or lipopolysaccharide on superoxide anion-generating activities of macrophages. Yagawa K, et al. **Infect Immun** 1984 Jul;45(1):82-6

Stimulation of non-specific resistance to infections by synthetic immunoregulatory agents. Parant M, et al. **Infection** 1984 May-Jun;12(3):230-4

Modulation of murine lymphoma growth by MDP, MDP(D-D) and cyclophosphamide. 1. Inhibition of growth in vivo. Phillips NC, et al. **Int J Immunopharmacol** 1983;5(3):219-27

Non-specific host defence stimulation and antibiotic-resistant infection. Lamont PM, et al. **J Antimicrob Chemother** 1983 Oct;12 Suppl C:117-22

Potential value of liposomes containing muramyl dipeptide for augmenting the tumoricidal activity of human alveolar macrophages. Sone S, et al. **J Biol Response Mod** 1984; 3(2):185-94

Effect of N-acetyl-muramyl-L-alanyl-D-isoglutamine on interferon production in mice by Newcastle disease virus. Sakuma T, et al. **J Gen Virol** 1984 May;65 (Pt 5):999-1003

Suppression of BCG cell wall-induced delayed-type hypersensitivity by pretreatment with killed BCG: induction of nonspecific suppressor T cells by the adjuvant portion (MDP) and of specific suppressor T cells by the antigen portion (TAP). Kato K, et al. **J Immunol** 1984 Jun; 132(6):2790-5

Inhibition of human IL 2 production by MDP and derivatives. Leclerc C, et al. **J Immunol** 1984 Oct; 133(4):1996-2000

Potentiating effect of muramyl dipeptide and its lipophilic analog encapsulated in liposomes on tumor cell killing by human monocytes. Sone S, et al. **J Immunol** 1984 Apr; 132(4):2105-10

Hepatic mixed-function oxidase system and microsomal lipid peroxidation in rats treated with a synthetic immunomodulator, N-acetylmuramyl-L-alanyl-D-isoglutamine (MDP). Yanev S, et al. **Methods Find Exp Clin Pharmacol** 1984 Jun;6(6):311-5

Muramyl dipeptide does not induce slow-wave sleep or fever in rats. Fornal C, et al. **Peptides (Fayetteville)** 1984 Jan-Feb; 5(1):91-5

Smooth muscle stimulation by an immunomodulatory compound muramyl dipeptide: does it involve serotoninergic system? Kadlec O, et al. **Pharmacology** 1984; 29(1):31-9

Muramyl dipeptide-induced enhancement of phagocytosis of antibiotic pretreated Escherichia coli by macrophages. Friedman H, et al. **Proc Soc Exp Biol Med** 1984 Sep; 176(4):366-70

PHYSIOLOGY

Muramyl peptides as possible endogenous immunopharmacological mediators. Chedid L. **Microbiol Immunol** 1983;27(9):723-32 (47 ref.)

THERAPEUTIC USE

The role of muramyl dipeptide in the therapy of established experimental bacterial infection. Ausobsky JR, et al. **Br J Exp Pathol** 1984 Feb;65(1):1-9

Muramyl dipeptide increases tolerance to shock and bacterial challenge in mice. Ausobsky JR, et al. **Br J Surg** 1984 Feb; 71(2):151-3

Endotoxin-induced antitumor activity in the mouse is highly potentiated by muramyl dipeptide. Bloksma N, et al. **Cancer Lett** 1984 Jun;23(2):159-65

Stimulation of chemiluminescence and resistance against aerogenic influenza virus infection by synthetic muramyl dipeptide combined with trehalose dimycolate. Masihi KN, et al. **Infect Immun** 1984 Jan;43(1):233-7

Synergism between lymphokines and muramyl dipeptide encapsulated in liposomes: in situ activation of macrophages and therapy of spontaneous cancer metastases. Fidler IJ, et al. **J Immunol** 1984 Jul;133(1):515-8

Potential use of muramyl peptides in cancer therapy. Chedid LA. **Prog Clin Biol Res** 1983;132E:261-71

The generation of tumoricidal activity in macrophages for the treatment of established metastases. Fidler IJ. **Symp Fundam Cancer Res** 1983;36:421-35 (53 ref.)

[Immunoactive peptides] Ivanov VT. **Vopr Med Khim** 1984 May-Jun;30(3):23-31 (Eng. Abstr.) **(Rus)**

TOXICITY

Two adjuvant-active muramyl dipeptide analogs induce differential production of lymphocyte-activating factor and a factor causing distress in guinea pigs. Byars NE. **Infect Immun** 1984 May;44(2):344-50

Changes in rabbit febrile responses to muramyl dipeptide (MDP) after coupling to a synthetic carrier. Riveau G, et al. **J Leukocyte Biol** 1984 Aug;36(2):111-22

N-ACETYLNEURAMINIC ACIDS see **SIALIC ACIDS**

ACETYLPROCAINAMIDE see under **PROCAINAMIDE**

ACETYLPROMAZINE see **ACEPROMAZINE**

ACETYLSALICYLIC ACID see **ASPIRIN**

ACETYLSEROTONIN METHYLTRANSFERASE see under **METHYLTRANSFERASES**

ACETYLTHIOCHOLINE see under **CHOLINE**

ACETYLTRANSFERASES

A modified enzymatic-isotopic microassay for serotonin (5HT) using 5HT-N-acetyltransferase partially purified from Drosophila. Walker RF, et al. **Life Sci** 1983 Nov 7; 33(19):1915-24

ANALYSIS

A modified assay system for enzymes involved in N-acetyl group transfer reactions: its use to study enzymes involved in ornithine biosynthesis in plants. Jain JC, et al. **Anal Biochem** 1984 Apr;138(1):25-9

Identification of aminoglycoside-acetylating enzymes by high-pressure liquid chromatographic determination of their reaction products. Lovering AM, et al. **Antimicrob Agents Chemother** 1984 Jul;26(1):10-2

Peroxisome-associated enzymes and serum lipids in tumour-bearing rats treated with peroxisome-proliferating agents. Moody DE, et al. **Biochem Pharmacol** 1984 Aug 15;33(16):2591-7

Arginine biosynthesis in Legionella pneumophila: absence of N-acetylglutamate synthetase. Tesh MJ, et al. **Can J Microbiol** 1983 Sep;29(9):1230-3

Evidence for the extreme overestimation of choline acetyltransferase in human sperm, human seminal plasma and rat heart: a case of mistaking carnitine acetyltransferase for choline acetyltransferase. Goodman DR, et al. **Chem Biol Interact** 1984 Apr;49(1-2):39-53

The effects of a number of short-term exogenous stimuli on pineal serotonin-N-acetyltransferase activity in rats. Welker HA, et al. **J Neural Transm** 1984;59(1):69-80

Spermidine N-acetyltransferase. Della Ragione F, et al. **Methods Enzymol** 1983;94:321-5

ANTAGONISTS & INHIBITORS

Bromoacetyl-L-carnitine: biochemical and antitrypanosomal actions against Trypanosoma brucei brucei. Gilbert RJ, et al. **Biochem Pharmacol** 1983 Nov 15;32(22):3447-51

Irreversible inhibition of phosphotransacetylase by S-dimethylarsino-CoA. Duhr EF, et al. **Biochim Biophys Acta** 1983 Nov 28;749(1):84-90

BIOSYNTHESIS

Synthesis in vitro of precursor-type carnitine acetyltransferase with messenger RNA from Candida tropicalis. Ueda M, et al. **Eur J Biochem** 1984 Feb 1; 138(3):451-7

Sex-related differences in pineal gland N-acetyltransferase induction by d-amphetamine. Altar A, et al. **Gen Pharmacol** 1984;15(1):13-8

Post-transcriptional regulation of chloramphenicol acetyl transferase. Byeon WH, et al. **J Bacteriol** 1984 May; 158(2):543-50

Modulation of rat pineal acetyl-Co A:arylamine N-acetyltransferase induction by alpha adrenergic drugs. Alphs L, et al. **J Pharmacol Exp Ther** 1984 Aug; 230(2):431-7

[Simultaneous study of the induction effect of rifampicin and the phenotype for acetylation of isoniazid in 21 patients with tuberculosis undergoing a combination treatment] Chailleux E, et al. **Rev Fr Mal Respir** 1980;8(3):219-24 (Eng. Abstr.) **(Fre)**

BLOOD

Increased biosynthesis of platelet-activating factor in activated human eosinophils. Lee T, et al. **J Biol Chem** 1984 May 10;259(9):5526-30

Biosynthesis of Paf-acether (platelet-activating factor). VII. Precursors of Paf-acether and acetyl-transferase activity in human leukocytes. Jouvin-Marche E, et al. **J Immunol** 1984 Aug;133(2):892-8

Sanfilippo type C diagnosis: assay of acetyl-CoA: alpha-glucosaminide N-acetyltransferase using [14C]glucosamine as substrate and leukocytes as enzyme source. Pallini R, et al. **Pediatr Res** 1984 Jun;18(6):543-5

GENETICS

Chloramphenicol acetyltransferase should not provide methanogens with resistance to chloramphenicol. Beckler GS, et al. **Appl Environ Microbiol** 1984 Apr;47(4):868-9

Activation of the SV40 late promoter: direct effects of T antigen in the absence of viral DNA replication. Keller JM, et al. **Cell** 1984 Feb;36(2):381-9

Nucleotide sequence of the sucB gene encoding the dihydrolipoamide succinyltransferase of Escherichia coli K12 and homology with the corresponding acetyltransferase. Spencer ME, et al. **Eur J Biochem** 1984 Jun 1;141(2):361-74

Constitutive variants of the pC194 cat gene exhibit DNA alterations in the vicinity of the ribosome binding site sequence. Ambulos NP Jr, et al. **Gene** 1984 May;28(2):171-6

Chloramphenicol-inducible gene expression in Bacillus subtilis. Duvall EJ, et al. **Gene** 1983 Oct;24(2-3):171-7
Nucleotide sequence of a Bacillus pumilus gene specifying chloramphenicol acetyltransferase. Harwood CR, et al. **Gene** 1983 Oct;24(2-3):163-9
Effects of alterations in the translation control region on bacterial gene expression: use of cat gene constructs transcribed from the lac promoter as a model system. Schottel JL, et al. **Gene** 1984 May;28(2):177-93
N-Acetyltransferase phenotypes in Iraqi and British population. Cartwright RA, et al. **Hum Hered** 1984; 34(2):101-4
Analysis of regulation of phoB expression using a phoB-cat fusion. Guan CD, et al. **J Bacteriol** 1983 Nov;156(2):710-7
Genes for gentamicin-(3)-N-acetyltransferases III and IV: I. Nucleotide sequence of the AAC(3)-IV gene and possible involvement of an IS140 element in its expression. Bräu B, et al. **MGG** 1984;193(1):179-87
Regulation of adenovirus transcription by an E1a gene in microinjected Xenopus laevis oocytes. Jones NC, et al. **Mol Cell Biol** 1983 Dec;3(12):2131-42
Light-inducible and chloroplast-associated expression of a chimaeric gene introduced into Nicotiana tabacum using a Ti plasmid vector. Herrera-Estrella L, et al. **Nature** 1984 Jul 12-18;310(5973):115-20
High level transient expression of a chloramphenicol acetyl transferase gene by DEAE-dextran mediated DNA transfection coupled with a dimethyl sulfoxide or glycerol shock treatment. Lopata MA, et al. **Nucleic Acids Res** 1984 Jul 25;12(14):5707-17
Transient expression of genes introduced into cultured cells of Drosophila. Di Nocera PP, et al. **Proc Natl Acad Sci USA** 1983 Dec;80(23):7095-8
Post-translational activation introduces a free radical into pyruvate formate-lyase. Knappe J, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(5):1332-5
Expression of the chloramphenicol acetyltransferase gene in mammalian cells under the control of adenovirus type 12 promoters: effect of promoter methylation on gene expression. Kruczek I, et al. **Proc Natl Acad Sci USA** 1983 Dec;80(24):7586-90
Selective expression of a plasmid cat gene at a late stage of Bacillus subtilis sporulation. Mongkolsuk S, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(11):3457-60
[Acetylation phenotype in varnishers] Jendryczko A, et al. **Pol Tyg Lek** 1984 Mar 19;39(12):393-4 (Eng. Abstr.) **(Pol)**

ISOLATION & PURIFICATION

Purification of thiogalactoside transacetylase by affinity chromatography. Zabin I, et al. **Anal Biochem** 1984 Feb; 136(2):493-6
Pyruvate formate-lyase (inactive form) and pyruvate formate-lyase activating enzyme of Escherichia coli: isolation and structural properties. Conradt H, et al. **Arch Biochem Biophys** 1984 Jan;228(1):133-42
Purification and properties of carnitine acetyltransferases from bovine spermatozoa and heart. Huckle WR, et al. **Arch Biochem Biophys** 1983 Oct 1;226(1):94-110
Purification of two forms of kanamycin acetyltransferase from Escherichia coli. Radika K, et al. **Arch Biochem Biophys** 1984 Aug 15;233(1):272-85
Characterization of peroxisomal and mitochondrial carnitine acetyltransferases purified from alkane-grown Candida tropicalis. Ueda M, et al. **Eur J Biochem** 1984 Feb 1; 138(3):445-9
Porcine liver nuclear histone acetyltransferase. Partial purification and basic properties. Kelner DN, et al. **J Biol Chem** 1984 Mar 25;259(6):3413-9
Purification of two spermidine N-acetyltransferases (histone N-acetyltransferases) from calf liver nuclei. Libby PR. **Methods Enzymol** 1983;94:325-8

METABOLISM

The effect of the rate of the acetylation on the formation and further development of the silicosis. Hykeš P, et al. **Acta Univ Carol [Med] (Praha)** 1983;29(1-2):77-88
Presence of aminoglycoside acetyltransferase and plasmids in Mycobacterium fortuitum. Lack of correlation with intrinsic aminoglycoside resistance. Hull SI, et al. **Am Rev Respir Dis** 1984 Apr;129(4):614-8
Correlation of antibiotic resistance with Vmax/Km ratio of enzymatic modification of aminoglycosides by kanamycin acetyltransferase. Radika K, et al. **Antimicrob Agents Chemother** 1984 Apr;25(4):479-82
Peroxisomal fatty acyl-coenzyme A oxidation in chicken liver. Ishii H, et al. **Arch Biochem Biophys** 1983 Oct 15; 226(2):484-91
Regulation of platelet activating factor synthesis: modulation of 1-alkyl-2-lyso-sn-glycero-3-phosphocholine:acetyl-CoA acetyltransferase by phosphorylation and dephosphorylation in rat spleen microsomes. Lenihan DJ, et al. **Biochem Biophys Res Commun** 1984 May 16; 120(3):834-9
Resistance to fusidic acid in Escherichia coli mediated by the type I variant of chloramphenicol acetyltransferase. A plasmid-encoded mechanism involving antibiotic binding. Bennett AD, et al. **Biochem J** 1983 Oct 1;215(1):29-38
The role of calcium ions in the process of acetyltransferase activation during the formation of platelet-activating factor (PAF-acether). Gómez-Cambronero J, et al. **Biochem J** 1984 Apr 15;219(2):419-24
Kinetic mechanism of the reaction catalyzed by nuclear histone acetyltransferase from calf thymus. Wong LJ, et al. **Biochemistry** 1983 Sep 27;22(20):4637-41
Subunit binding in the pyruvate dehydrogenase complex from bovine kidney and heart. Wu TL, et al. **Biochemistry** 1984 Jan 17;23(2):221-6
Modulation of rat-liver mitochondrial acetyl-CoA acetyltransferase activity by a reversible chemical modification with coenzyme A. Quandt L, et al. **Biochim Biophys Acta** 1984 Jan 31;784(2-3):168-76
Regulation of indoleamine N-acetyltransferase activity in the retina: effects of light and dark, protein synthesis inhibitors and cyclic nucleotide analogs. Iuvone PM, et al. **Brain Res** 1983 Aug 22;273(1):111-9
Influence of light irradiance on hydroxyindole-O-methyltransferase activity, serotonin-N-acetyltransferase activity, and radioimmunoassayable melatonin levels in the pineal gland of the diurnally active Richardson's ground squirrel. Reiter RJ, et al. **Brain Res** 1983 Dec 12;288(1-2):151-7
Pineal N-acetyltransferase activity in 10-day-old rats: a paradigm for studying the developing circadian system. Reppert SM, et al. **Endocrinology** 1984 Sep;115(3):918-25
A new substrate for the measurement of N-acetyltransferase activity. Gollamudi R, et al. **Enzyme** 1983;30(3):155-61
Topological aspects of microsomal N-acetyltransferase, an enzyme responsible for the acetylation of cysteine S-conjugates of xenobiotics. Okajima K, et al. **Eur J Biochem** 1984 Jul 16;142(2):281-6
Effects of an artificial magnetic field on serotonin N-acetyltransferase activity and melatonin content of the rat pineal gland. Welker HA, et al. **Exp Brain Res** 1983; 50(2-3):426-32
Regulation and possible role of serotonin N-acetyltransferase in the retina. Besharse JC, et al. **Fed Proc** 1984 Sep; 43(12):2704-8
Relationship of acetylator status to isoniazid toxicity, lupus erythematosus, and bladder cancer. Weber WW, et al. **Fed Proc** 1983 Nov;42(14):3086-97
Regulation of spermidine acetyltransferase activity by phosphorylation and dephosphorylation. Grillo MA. **Ital J Biochem** 1983 May-Jun;32(3):167-73
Arylamine N-acetyltransferase and arylalkylamine N-acetyltransferase in the mammalian pineal gland. Voisin P, et al. **J Biol Chem** 1984 Sep 10;259(17):10913-8
Two species of histone acetyltransferase in rat liver nuclei. Yukioka M, et al. **J Biol Chem** 1984 Jul 10;259(13):8372-7
Relationship between cycles in level of serotonin N-acetyltransferase activity and cyclic GMP content of cultured chick pineal glands. Wainwright SD, et al. **J Neurochem** 1984 Aug;43(2):358-63
Phase-shifting of cycles in level of serotonin N-acetyltransferase activity and cyclic GMP content of cultured chick pineal glands by methotrexate. Wainwright SD, et al. **J Neurochem** 1984 Aug;43(2):364-70
Neopterin retards loss of serotonin N-acetyltransferase activity from cultured chick pineal glands. Wainwright SD, et al. **J Neurochem** 1984 Aug;43(2):371-4
Sympathetic reinnervation of the pineal gland after postganglionic nerve lesion does not restore normal pineal function. Bowers CW, et al. **J Neurosci** 1984 Aug; 4(8):2010-5
Physicochemical and topological correlates of the enzymatic acetyltransfer reaction. Basak SC, et al. **J Pharm Sci** 1983 Aug;72(8):934-7
Benzodiazepines: rat pinealocyte binding sites and augmentation of norepinephrine-stimulated N-acetyltransferase activity. Matthew E, et al. **J Pharmacol Exp Ther** 1984 Feb;228(2):434-8
Meal feeding schedule and ventromedial hypothalamic lesions do not affect rhythm of pineal serotonin N-acetyltransferase activity in rats. Nagai K, et al. **Life Sci** 1984 Aug 13;35(7):769-74
The influence of different light irradiances on pineal N-acetyltransferase activity and melatonin levels in the cotton rat, Sigmodon hispidus. Thiele G, et al. **Life Sci** 1983 Oct 17;33(16):1543-7
Influence of acetylator phenotype and renal function on the antihypertensive effect of hydralazine. Koopmans PP, et al. **Neth J Med** 1984;27(3):69-73
Acetylation of adrenocorticotropin and beta-endorphin by hypothalamic and pituitary acetyltransferases. Barnea A, et al. **Neuroendocrinology** 1983 Dec;37(6):434-9
Adjustment of pineal melatonin and N-acetyltransferase rhythms to change from long to short photoperiod in the Djungarian hamster Phodopus sungorus. Illnerová H, et al. **Neuroendocrinology** 1984 Mar;38(3):226-31
Simultaneous determination of N-acetyltransferase activity, hydroxyindole-O-methyl-transferase activity, and melatonin content in the pineal gland of the Syrian hamster. Steinlechner S, et al. **Proc Soc Exp Biol Med** 1984 Jan; 175(1):93-7
[Distribution pattern of acetylator phenotypes: effect of age] Gachályi B, et al. **Orv Hetil** 1984 Jan 8;125(2):75-7 (Eng. Abstr.) **(Hun)**
[Acetylator state in diabetes mellitus and ischemic heart disease] Rohla M, et al. **Orv Hetil** 1983 Jul 31; 124(31):1865-6 (Eng. Abstr.) **(Hun)**
[Mechanisms of reversibility of fatty degeneration] Lebkova NP, et al. **Arkh Patol** 1983;45(7):41-7 (Eng. Abstr.) **(Rus)**
[N-acetyltransferase activity during growth of the transplantable Pliss lymphosarcoma and during pregnancy in rats] Riazanov EM, et al. **Biull Eksp Biol Med** 1984 Jul;97(7):68-70 (Eng. Abstr.) **(Rus)**
[Clinical evaluation of N-acetyltransferase activity in children with various forms of diffuse connective tissue diseases] Ermakova TM, et al. **Pediatriia** 1983 Nov; (11):10-3 (Eng. Abstr.) **(Rus)**
[Acetylation processes in chronic alcoholics] Kovalev IE, et al. **Zh Nevropatol Psikhiatr** 1984;84(2):232-4 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

The function of N alpha-acetylation of the eye-lens crystallins. Driessen HP, et al. **Eur J Biochem** 1983 Nov 2;136(2):403-6

ACHALASIA OF ESOPHAGUS see CARDIOSPASM

ACHIEVEMENT

Search for the relationship between academic performance and some psychosocial factors. The use of a structured interview. Lecompte D, et al. **Acta Psychiatr Belg** 1983; 83(6):598-608
School-achievement test - its parameters and efficacy. Komenda S. **Acta Univ Carol [Med] (Praha)** 1983; 29(3-4):135-8
A comparison of remedial, failure, and successful secondary school students across self-perception and past and present school performance variables. Zarb JM. **Adolescence** 1984 Summer;19(74):335-48
Learning achievement in sons of alcoholics. Hegedus AM, et al. **Alcoholism (NY)** 1984 May-Jun;8(3):330-3
Academic integration of hearing-impaired students: demographic, handicapping, and achievement factors. Allen TE, et al. **Am Ann Deaf** 1984 Apr;129(2):100-13
Mainstreamed hearing-impaired high school seniors: a re-analysis of a national survey. Gregory JF, et al. **Am Ann Deaf** 1984 Feb;129(1):11-6
Nonverbel intelligence and verbal achievement in deaf adolescents: an examination of heredity and environment. Kusché CA, et al. **Am Ann Deaf** 1983 Aug;128(4):458-66
Minority families, early education, and later life chances. Royce JM, et al. **Am J Orthopsychiatry** 1983 Oct; 53(4):706-20
Influence of programmed textbook review on American Board of Surgery In-service Examination scores. Dean RE, et al. **Am Surg** 1984 Jul;50(7):345-9
The effects of EMG-assisted relaxation training on the academic performance, locus of control, and self-esteem of hyperactive boys. Denkowski KM, et al. **Biofeedback Self Regul** 1983 Sep;8(3):363-75
Disadvantaged 11-year-olds. Cox T, et al. **Book Suppl J Child Psychol Psychiatr** 1983;(3):1-177
Otitis media has a deleterious effect on linguistic and on academic attainment [letter] Fisch L. **Br J Audiol** 1983 May;17(2):131-5
Induced mood and estimates of past success. Teasdale JD, et al. **Br J Clin Psychol** 1984 May;23 (Pt 2):149-50
Cumulative deficit in culturally disadvantaged children. Cox T. **Br J Educ Psychol** 1983 Nov;53 (Pt 3):317-26
Gender and psychiatric clerkship performance. Keitner GI, et al. **Can J Psychiatry** 1984 Jun;29(4):327-9
Behaviour problems in children followed from 5 to 8 1/2-9 years of age and their relation to educational attainment. Baker I, et al. **Child Care Health Dev** 1983 Nov-Dec; 9(6):339-48
The relation of infants' home environments to achievement test performance in first grade: a follow-up study. Bradley RH, et al. **Child Dev** 1984 Jun;55(3):803-9
The study of stress and competence in children: a building block for developmental psychopathology. Garmezy N, et al. **Child Dev** 1984 Feb;55(1):97-111
Three-year follow-up at age 10 of children with minor neurodevelopmental disorders. II: School achievement problems. Gillberg IC, et al. **Dev Med Child Neurol** 1983 Oct;25(5):566-73 (6 ref.)
Psychoneuroendocrine responses to mental load in an achievement-oriented task. Hyyppä MT, et al. **Ergonomics** 1983 Dec;26(12):1155-62
Academic and social self-concepts of gifted, general, and special students. Kelly KR, et al. **Except Child** 1984 Apr; 50(6):551-4
Intellectual assessment of young adult chronic patients. Feitel B, et al. **Hosp Community Psychiatry** 1983 Dec; 34(12):1153-5
The Luria-Nebraska Neuropsychological Battery and the Peabody Individual Achievement Test: a correlational analysis. Gillin RW, et al. **Int J Neurosci** 1983 Oct; 21(1-2):51-61
Skill deficits and male adolescent delinquency. Dishion TJ, et al. **J Abnorm Child Psychol** 1984 Mar;12(1):37-54
A 3-year follow-up of aggressive and withdrawn behavior in childhood: preliminary findings. Ledingham JE, et al. **J Abnorm Child Psychol** 1984 Mar;12(1):157-68
Predicting school performance of preschool children from parent reports. Lichtenstein R. **J Abnorm Child Psychol** 1984 Mar;12(1):79-93
Intelligence, classroom behavior, and academic achievement in children at high and low risk for psychopathology: a structural equation analysis. Worland J, et al.

J Abnorm Child Psychol 1984 Sep;12(3):437–54

Cigarette smoking among first-year medical students in Yugoslavia and their academic success. Radovanovic Z, et al. **J Am Coll Health** 1983 Jun;31(6):253–5

Success—an historical perspective. Brooke KL. **J Am Med Wom Assoc** 1982 Dec;37(12):330–1

Teacher verbalizations and task performance with autistic children. Hughes V, et al. **J Autism Dev Disord** 1983 Sep; 13(3):305–16

John Henryism and blood pressure differences among black men. James SA, et al. **J Behav Med** 1983 Sep;6(3):259–78

Educational attainment and social class in adoptees: genetic and environmental contributions. Teasdale TW, et al. **J Biosoc Sci** 1983 Oct;15(4):509–18

A longitudinal analysis of torque and its relationship to achievement and educational classification among normal, disturbed, and learning-disabled children. Alberts FL Jr, et al. **J Clin Psychol** 1983 Nov;39(6):998–1006

Actual and recalled test anxiety and flexibility, rigidity, and self-control. DeVito AJ, et al. **J Clin Psychol** 1983 Nov; 39(6):970–5

Comparison of the Minnesota Percepto-Diagnostic Test and Bender-Gestalt: relationship with achievement criteria. Fuller GB, et al. **J Clin Psychol** 1983 Nov;39(6):985–8

Desensitization of test anxious urban community-college students and resulting changes in grade point average: a replication. Hudesman J, et al. **J Clin Psychol** 1984 Jan; 40(1):65–7

WISC-R incentives and the academic achievement of conduct disordered adolescent females: a validity study. Saigh PA, et al. **J Clin Psychol** 1983 Sep;39(5):771–4

Predicting WRAT scores from the WISC-R for a selected sample of LD children and youth. Singer MG, et al. **J Clin Psychol** 1983 Sep;39(5):758–61

The effect of stimulant medication on academic performance, in the context of multimodal treatment, in attention deficit disorders with hyperactivity: two case reports. Schmidt K, et al. **J Clin Psychopharmacol** 1984 Apr;4(2):100–3

Psychological and academic adjustment in adopted children. Brodzinsky DM, et al. **J Consult Clin Psychol** 1984 Aug; 52(4):582–90

Instructional ecology and academic responding time for students at three levels of teacher-perceived behavioral competence. Graden J, et al. **J Exp Child Psychol** 1983 Oct;36(2):241–56

Anxiety, cognitive style, and mathematics achievement. Sewell TE, et al. **J Gen Psychol** 1983 Jul;109(1st Half):59–66

The relationship between stressful life events and school-related performances of type A and type B adolescents. Fontana A, et al. **J Human Stress** 1984 Spring; 10(1):50–5

An evaluation of a preparation program for medical students who previously failed part I of the NBME examinations. Blanc R, et al. **J Med Educ** 1984 Aug;59(8):667–9

Relationship between class attendance and NBME Part I examination. Fogleman BS, et al. **J Med Educ** 1983 Nov; 58(11):904

Effect of attendance at lectures on medical student performance. Glanz K, et al. **J Med Educ** 1984 Jun; 59(6):516–8

Validity of the MCAT in predicting performance in the first two years of medical school. Jones RF, et al. **J Med Educ** 1984 Jun;59(6):455–64

MCAT scores and student progress in medical school. Jones RF, et al. **J Med Educ** 1984 Jun;59(6):527–31

The relationship between MCAT science scores and undergraduate science GPA. Jones RF, et al. **J Med Educ** 1983 Nov;58(11):908–11

Recognition of outstanding performance in medical schools with nontraditional grading systems. Peters MJ, et al. **J Med Educ** 1984 Jun;59(6):514–6

Achievement motivation in medical students. Robbins L, et al. **J Med Educ** 1983 Nov;58(11):850–8

Type A behavior and achievement of freshman medical students. Wolf TM, et al. **J Med Educ** 1983 Oct; 58(10):820–2

Do baccalaureate students possess basic mathematics proficiency? Bindler R, et al. **J Nurs Educ** 1984 May; 23(5):192–7

Predictors of success in nursing school and on State Board Examinations in a predominantly black baccalaureate nursing program. Dell MA, et al. **J Nurs Educ** 1984 Apr; 23(4):147–50

The relationship of lecture attendance and course grade for second-year medical students. Flournoy DJ, et al. **J Okla State Med Assoc** 1984 Jan;77(1):20–2

Test-based versus teacher-based predictions of academic achievement: a three-year longitudinal follow-up. Fletcher JM, et al. **J Pediatr Psychol** 1984 Jun;9(2):193–203

Anxiety and performance in two ego threatening situations. Anson O, et al. **J Pers Assess** 1984 Apr;48(2):168–72

Choking under pressure: self-consciousness and paradoxical effects of incentives on skillful performance. Baumeister RF. **J Pers Soc Psychol** 1984 Mar;46(3):610–20

Is hostility linked with affiliation among males and with achievement among females? A critique of Pollak and Gilligan. Benton CJ, et al. **J Pers Soc Psychol** 1983 Nov; 45(5):1167–78

Type A and type B attentional responses to aesthetic stimuli: effects on mood and performance. Strube MJ, et al. **J Pers Soc Psychol** 1983 Dec;45(6):1369–79

The effects of test difficulty on undergraduates' state anxiety and perception of test difficulty. Head LQ, et al. **J Psychol** 1984 Jan;116(1st Half):55–8

Learned helplessness: a model to understand and overcome a child's extreme reaction to failure. Balk D. **J Sch Health** 1983 Aug;53(6):365–70

Changes in children's school performance as a result of education for family management of asthma. Clark NM, et al. **J Sch Health** 1984 Apr;54(4):143–5

Troubled educational enterprise mandates new agenda for school health education. Hamrick M, et al. **J Sch Health** 1984 Apr;54(4):169–70

Does early middle ear pathology affect auditor, perception skills and learning? Comment on Brandes and Ehinger (1981) [letter] Ayukawa H, et al. **J Speech Hear Disord** 1983 May;48(2):222–4

Locus of control and achievement motivation in dyslexic children. Bosworth HT, et al. **JDBP** 1983 Dec;4(4):253–6

Intelligence and achievement testing in childhood cancer: three years postdiagnosis. Stehbens JA, et al. **JDBP** 1984 Aug;5(4):184–8

Predictors of success in a cohort of medical students. Lipton A, et al. **Med Educ** 1984 Jul;18(4):203–10

Infant nutrition and later achievement. Dobbing J. **Nutr Rev** 1984 Jan;42(1):1–7 (31 ref.)

Relationships among self-concept and school achievement, maternal self-esteem and sensory integration abilities for learning disabled children, ages 7 to 12 years. Doyle BA, et al. **Percept Mot Skills** 1984 Feb;58(1):177–8

Sex differences in symbol reversals and reading achievement by first grade children. Heydorn BL. **Percept Mot Skills** 1983 Dec;57(3 Pt 1):940–2

Effect of middle ear pathology on selected psychoeducational measures following surgical treatment. Hutton JB. **Percept Mot Skills** 1983 Dec;57(3 Pt 2):1095–100

An examination of college GPA, composite act scores, IQs, and gender in relation to loneliness of college students. Booth R. **Psychol Rep** 1983 Oct;53(2):347–52

Comparison of use of meditation and rest in treatment of test anxiety. Kindlon DJ. **Psychol Rep** 1983 Dec;53(3 Pt 1):931–8

Correlations of reading achievement and ability for learning disabled students. Labercane GD. **Psychol Rep** 1983 Aug; 53(1):212–4

Interaction of test anxiety and locus of control on academic performance. Lusk SL. **Psychol Rep** 1983 Oct;53(2):639–44

Personal space, crowding, and the interference model of test anxiety. McElroy JC, et al. **Psychol Rep** 1983 Oct; 53(2):419–24

Effects of suggestibility on learning by retarded and nonretarded students. Shuck AU, et al. **Psychol Rep** 1984 Apr;54(2):663–6

Childhood development of fear of failure motivation: a replication. Teevan RC. **Psychol Rep** 1983 Oct;53(2):506

Relationship of fear of failure to amount of time spent in a final examination. Teevan RC, et al. **Psychol Rep** 1983 Oct;53(2):343–6

Type A behaviour and its relation to seriousmindedness (telic dominance). Svebak S, et al. **Scand J Psychol** 1984; 25(2):161–7

Family background, cognitive ability, and personality as predictors of educational and occupational attainment. Johnson RC, et al. **Soc Biol** 1983 Spring;30(1):86–100

Educational attainments of spina bifida children attending ordinary or special schools. Carr J, et al. **Spec Educ Forward Trends** 1983 Sep;10(3):22–4

Relationship between type of surgical clerkship, order of completion, and achievement on patient management problems. Papp KK, et al. **Surgery** 1984 Jul;96(1):102–8

[Learning achievement and current neurological status of premature, premature-dysmature and dysmature children at the age of 8] Evers-Embden B, et al. **Tijdschr Kindergeneeskd** 1983 Jun;51(3):85–94 (Eng. Abstr.) **(Dut)**

[Sample of high school students with a demonstration of intervening factors in school achievement and failure] Piquilloud C. **Schweiz Arch Neurol Neurochir Psychiatr** 1984;134(2):251–62 (Eng. Abstr.) **(Fre)**

[School aptitude and school achievements of former premature infants] Wagner KD, et al. **Arztl Jugendkd** 1983 Jul;74(4):237–44 (Eng. Abstr.) **(Ger)**

[Sex differences in sports performance] Bausenwein I. **Ther Umsch** 1983 Jul;40(7):589–95 (Eng. Abstr.) **(Ger)**

[Performance of the female during the menstrual cycle] Hauser GA. **Ther Umsch** 1983 Jul;40(7):596–9 (Eng. Abstr.) **(Ger)**

[Functional helplessness or discrepancy reduction?] Bossong B. **Z Exp Angew Psychol** 1984;31(2):175–83 (Eng. Abstr.) **(Ger)**

[Effect of defined physical stress on mental performance with reference to the psychological regulation of activity] Vogel H, et al. **Z Gesamte Hyg** 1983 Nov;29(11):687–9 (Eng. Abstr.) **(Ger)**

[Health care of students—evaluation of the relation between the health status and scholastic achievement using numerical quantification II] Monden S. **Nippon Eiseigaku Zasshi** 1983 Aug;38(3):683–90 (Eng. Abstr.) **(Jpn)**

[Method of evaluating the occupationally important qualities guaranteeing success in mastering the mining profession in vocational school pupils] Kharkovenko NM, et al. **Gig Sanit** 1984 Jun;(6):52–3 **(Rus)**

[Mental work capacity and achievement of schoolchildren in relation to their nervous system function] Netopina SA. **Gig Sanit** 1983 Oct;(10):28–30 (Eng. Abstr.) **(Rus)**

[Optimization of the assimilation and control of knowledge in medical colleges] Shliapnikov VN, et al. **Sov Zdravookhr** 1984;(6):57–64 **(Rus)**

ACHILLES TENDON

Aspiration of the retrocalcaneal bursa. Canoso JJ, et al. **Ann Rheum Dis** 1984 Apr;43(2):308–12

Multiple tendon rupture in systemic lupus erythematosus: case report and review of the literature. Potasman I, et al. **Ann Rheum Dis** 1984 Apr;43(2):347–9

Bilateral spontaneous rupture of the Achilles tendons in a patient on long-term systemic steroid therapy. Baruah DR. **Br J Sports Med** 1984 Jun;18(2):128–9

The Haglund painful heel syndrome. Experimental investigation of cause and therapeutic implications. Heneghan MA, et al. **Clin Orthop** 1984 Jul–Aug; (187):228–34

[6 cases of familial hypercholesterolemia with spontaneous rupture of Achilles tendon] Sakai T, et al. **Nippon Ronen Igakkai Zasshi** 1983 Mar;20(2):138–42 (Eng. Abstr.) **(Jpn)**

[Clinical significance of the Achilles reflex in lumbar radiculopathy] Zamurović A, et al. **Med Pregl** 1983; 36(7–8):337–9 (Eng. Abstr.) **(Scr)**

INJURIES

Experimental evaluation of immobilization in operative and non-operative treatment of Achilles tendon rupture. A radiographic study in the rabbit. Nyström B, et al. **Acta Chir Scand** 1983;149(7):669–73

Achilles tendinitis and peritendinitis: etiology and treatment. Clement DB, et al. **Am J Sports Med** 1984 May–Jun; 12(3):179–84

Bilateral rupture of the Achilles tendon in patients on steroid therapy. Haines JF. **Ann Rheum Dis** 1983 Dec;42(6):652–4

Multiple spontaneous ruptures of tendons in renal transplant recipient [letter] Pirson Y, et al. **Br Med J [Clin Res]** 1984 Mar 31;288(6422):1010

A method of repair for Achilles tendon ruptures without cast immobilization. Preliminary report. Levy M, et al. **Clin Orthop** 1984 Jul–Aug;(187):199–204

Comparison of unrepaired, primarily repaired, and polyglactin mesh-reinforced Achilles tendon lacerations in rabbits. Roberts JM, et al. **Clin Orthop** 1983 Dec; (181):244–9

The relationship between Achilles tendon rupture and serum uric acid level. Dodds WN, et al. **Injury** 1984 Sep; 16(2):94–5

Recurrent rupture of the tendo Achillis. Repair by free tendinous autograft. Schuberth JM, et al. **J Am Podiatry Assoc** 1984 Apr;74(4):157–62

Achilles tendon rupture following steroid injection. Report of three cases. Kleinman M, et al. **J Bone Joint Surg [Am]** 1983 Dec;65(9):1345–7

Late repair of the calcaneal tendon with carbon fibre. Howard CB, et al. **J Bone Joint Surg [Br]** 1984 Mar; 66(2):206–8

Achilles tendon rupture: a case report and discussion of conservative versus surgical repair. Kalish SR, et al. **J Foot Surg** 1983 Spring;22(1):33–9

Evaluation of Achilles tendon rerupture. Kuwada GT, et al. **J Foot Surg** 1984 Jul–Aug;23(4):340–3

Spontaneous rupture of bilateral achilles tendon of a patient on long-term systemic steroid therapy. Baruah DR. **Unfallheilkunde** 1984 Jan;87(1):35–6

[A technical stratagem to avoid skin complications in surgical repair of ruptures of the Achilles tendon] de la Caffinière JY, et al. **Rev Chir Orthop** 1984;70(4):343–5 (Eng. Abstr.) **(Fre)**

[Rupture of the Achilles tendon, cause – prognosis – therapy – late results] Schwarz B, et al. **Aktuel Traumatol** 1984 Feb;14(1):8–14 (Eng. Abstr.) **(Ger)**

[Subcutaneous ruptures of the Achilles tendon. Follow-up results according to standardized procedure] Gebert L, et al. **Unfallheilkunde** 1983 Dec;86(12):525–30 (Eng. Abstr.) **(Ger)**

[Traumatic rupture of the Achilles tendon and hyperlipidemia] Zehntner MK, et al. **Unfallheilkunde** 1984 May;87(5):226–9 (Eng. Abstr.) **(Ger)**

[Surgical treatment of inveterate injuries of the Achilles tendon with reversed pedicled graft] Malejka T, et al. **Chir Narzadow Ruchu Ortop Pol** 1983;48(3):295–8 (Eng. Abstr.) **(Pol)**

[Clinical aspects and diagnosis of injuries of the Achilles tendon] Linnik SA. **Vestn Khir** 1983 Nov;131(11):127–9 **(Rus)**

[Remote results of the surgical treatment of subcutaneous rupture of the Achilles tendon] Mironova ZS, et al. **Vestn Khir** 1984 Mar;132(3):117–8 **(Rus)**

INNERVATION

Deep innervation of sural nerve. Chang SC, et al. **Brain Res** 1983 Nov 21;279(1–2):262–5

PATHOLOGY

Invasive retrocalcaneal bursitis: a report of three cases. Ippolito E, et al. **Foot Ankle** 1984 Jan–Feb;4(4):204–8

Subtotal ossification of the Achilles tendon. Case report. Postacchini F, et al. **Ital J Orthop Traumatol** 1983 Dec; 9(4):529–32

PHYSIOLOGY

Surface EMG and Achilles tendon reflexes during a foot movement in a reaction time task. Haagh SA, et al. **Biol Psychol** 1983 Sep–Nov;17(2–3):81–96

Motor preparation: changes in amplitude of Achilles tendon reflexes during a fixed foreperiod of one second. Brunia CH. **Psychophysiology** 1983 Nov;20(6):658–64

PHYSIOPATHOLOGY

[Studies of T and H waves in patients with herniated lumbar disc] Kobayashi C. **Nippon Ika Daigaku Zasshi** 1984 Jun; 51(3):376–84 (Eng. Abstr.) **(Jpn)**

[Amplitude and duration of Achilles tendon reflex in patients with radicular syndromes in lumbar osteochondrosis and its changes after health resort treatment] Kaplan IB, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 May–Jun; (3):52–4 **(Rus)**

RADIOGRAPHY

[Pigmented villonodular synovitis with bone invasion] Kraglund K, et al. **Ugeskr Laeger** 1984 Feb 27;146(9):666–7 (Eng. Abstr.) **(Dan)**

SURGERY

Simple Z-lengthening of the Achilles tendon and Scholder procedure. Long-term follow-up and comparison of both methods. Uyttendaele D, et al. **Acta Orthop Belg** 1984 Mar–Apr;50(2):213–20

Xanthomas of Achilles tendon. A case report. van Kampen A, et al. **Acta Orthop Belg** 1984 Jan–Feb;50(1):101–6

Separation of tendon ends after suture of achilles tendon. Nyström B, et al. **Acta Orthop Scand** 1983 Aug;54(4):620–1

Features resisting primary treatment of congenital club foot. Sudmann E, et al. **Acta Orthop Scand** 1983 Dec;54(6):850–7

Physicians' and physical therapists' evaluations of cerebral-palsied children for Achilles tendon lengthening. Fontenrose A, et al. **Dev Med Child Neurol** 1984 Apr; 26(2):208–13

The strain on sutured Achilles tendons in walking cast. An EMG analysis. Benum P, et al. **Eur Surg Res** 1984;16 Suppl 2:14–21

Approach to the posterior lower leg. Gould N. **Foot Ankle** 1984 Jan–Feb;4(4):221–4

A retrospective study on surgical repair of the Achilles tendon. Hosey T, et al. **J Foot Surg** 1984 Mar–Apr; 23(2):112–5, 184

A systematic approach to the amount of Achilles tendon lengthening in cerebral palsy. Gaines RW, et al. **J Pediatr Orthop** 1984 Aug;4(4):448–51

[Restitution of tenotomy-caused muscular damage after tendon suture] Józsa L, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1983; 26(3):201–10 (Eng. Abstr.) **(Hun)**

[Approach to the injured Achilles tendon] Nikolenko VK. **Vestn Khir** 1983 Nov;131(11):129–30 **(Rus)**

ULTRASTRUCTURE

Proteoglycan arrangement in tendon collagen bundles. Vidal BC, et al. **Cell Mol Biol** 1984;30(3):195–204

ACHLORHYDRIA

BLOOD

Prevalence of achlorhydria in a normal population and its relation to serum gastrin. Bins M, et al. **Hepatogastroenterology** 1984 Feb;31(1):41–3

DRUG THERAPY

[Effect of sodium succinate on the acid-forming and secretory function of the stomach] Maliuk VI, et al. **Fiziol Zh** 1983 Sep–Oct;29(5):616–7 **(Rus)**

ENZYMOLOGY

Adenylate cyclase in gastric mucosal biopsies from patients with achlorhydria. Stimulation by PGE2, histamine and gastrointestinal hormones. Becker M, et al. **Pharmacology** 1983;27(4):211–8

HISTORY

Landmark article Oct 31, 1936: Observations on the etiologic relationship of achylia gastrica to pernicious anemia. V. Further evidence for the essential participation of extrinsic factor in hematopoietic responses to mixtures of beef muscle and gastric juice and to hog stomach mucosa. By W.B. Castle and T.H. Ham. **JAMA** 1984 Jan 27; 251(4):514–21

METABOLISM

Release of plasma pancreatic polypeptide in achlorhydric patients after intravenous infusion of gastric inhibitory polypeptide. Jorde R, et al. **Digestion** 1983;27(4):239–44

MICROBIOLOGY

Bacterial colonization and nitrite concentration in the achlorhydric stomachs of patients with primary hypogammaglobulinaemia or classical pernicious anaemia. Dolby JM, et al. **Scand J Gastroenterol** 1984 Jan; 19(1):105–10

PATHOLOGY

The exocrine pancreas of patients with WDHA syndrome. A light and electron microscopical study. Romagnoli P, et al. **J Submicrosc Cytol** 1984 Jul;16(3):569–76

PHYSIOPATHOLOGY

The WDHA syndrome: clinical and laboratory data on 28 Japanese cases. Yamaguchi K, et al. **Peptides (Fayetteville)** 1984 Mar–Apr;5(2):415–21

SURGERY

[Results of the surgical treatment of patients with duodenal ulcer and decreased production of gastric acid] Kalish IuI. **Vestn Khir** 1984 Mar;132(3):20–4 (Eng. Abstr.) **(Rus)**

ACHOLEPLASMA

Biological properties of a plaque-inducing agent obtained from Acholeplasma oculi. Ichimaru H, et al. **Yale J Biol Med** 1983 Sep–Dec;56(5–6):761–3

ANALYSIS

Chemical structures of acholeplasmal lipoglycans and their relation to biological interactions. Smith PF, et al. **Yale J Biol Med** 1983 Sep–Dec;56(5–6):425–9

CLASSIFICATION

Standard antisera produced in ponies for the identification of bovine mycoplasmas: comparative growth-inhibition results from six laboratories. Stalheim OH, et al. **Am J Vet Res** 1983 Oct;44(10):1898–900

ENZYMOLOGY

On the distribution and characteristics of isozyme expression in Mycoplasma, Acholeplasma, and Ureaplasma species. O'Brien SJ, et al. **Yale J Biol Med** 1983 Sep–Dec; 56(5–6):701–8

GENETICS

DNA cleavage patterns as indicators of genotypic heterogeneity among strains of Acholeplasma and Mycoplasma species. Razin S, et al. **J Gen Microbiol** 1983 Jun;129 (Pt 6):1935–44

Intraspecies genetic relatedness among strains of Acholeplasma laidlawii and of Acholeplasma axanthum by nucleic acid hybridization. Stephens EB, et al. **J Gen Microbiol** 1983 Jun;129 (Pt 6):1929–34

Evolution of mycoplasmas and genome losses. Neimark H. **Yale J Biol Med** 1983 Sep–Dec;56(5–6):377–83

Interspecies and intraspecies DNA homology among established species of Acholeplasma: a review. Stephens EB, et al. **Yale J Biol Med** 1983 Sep–Dec;56(5–6):729–35 (18 ref.)

GROWTH & DEVELOPMENT

Survival of Mycoplasma, Acholeplasma and Spiroplasma at different temperatures. Yoshitake Y, et al. **Kurume Med J** 1983;30(2):51–6

ISOLATION & PURIFICATION

Mycoplasmal infection of insect cell cultures. Steiner T, et al. **In Vitro** 1983 Sep;19(9):672–82

The Emmy Klieneberger-Nobel Award lecture. Reflections on recovery of some fastidious mollicutes with implications of the changing host patterns of these organisms. Tully JG. **Yale J Biol Med** 1983 Sep–Dec;56(5–6):799–813 (42 ref.)

METABOLISM

Synthesis of adenylate nucleotides by Mollicutes (mycoplasmas). Beaman KD, et al. **J Gen Microbiol** 1983 Oct;129 (Pt 10):3103–10

The metabolic pathways of Acholeplasma and Mycoplasma: an overview. Pollack JD, et al. **Yale J Biol Med** 1983 Sep–Dec;56(5–6):709–16 (29 ref.)

PATHOGENICITY

Pathogenicity of mollicutes for insects: possible use in biological control. Clark TB, et al. **Ann Microbiol (Paris)** 1984 Jan–Feb;135A(1):141–50

ACHOLEPLASMA LAIDLAWII

Persistence of Acholeplasma laidlawii in an established cell line RL 19. 1. Host-parasite morphology. Neupert G, et al. **Exp Pathol** 1983;24(2–3):207–11

The effects of ionizing radiation on the peroxide content of a pure polyunsaturated lipid dispersion and of lipids and membranes derived from Acholeplasma laidlawii. Edwards JC, et al. **Int J Radiat Biol** 1984 Jan;45(1):33–44

[Instability of host-virus association in Acholeplasma laidlawii infected by a mycoplasma virus of the Gourlay group L1] Roger A. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Mar; 254(1):139–45 (Eng. Abstr.) **(Fre)**

ANALYSIS

Fluorine-19 nuclear magnetic resonance studies of lipid fatty acyl chain order and dynamics in Acholeplasma laidlawii B membranes. Effects of methyl-branch substitution and of trans unsaturation upon membrane acyl-chain orientational order. Macdonald PM, et al. **Biochemistry** 1983 Oct 25;22(22):5103–11

Fluorine-19 nuclear magnetic resonance studies of lipid fatty acyl chain order and dynamics in Acholeplasma laidlawii B membranes. A physical, biochemical, and biological evaluation of monofluoropalmitic acids as membrane probes. McDonough B, et al. **Biochemistry** 1983 Oct 25; 22(22):5097–103

CLASSIFICATION

[Equine mycoplasma typing using the direct immunofluorescence technic] Scheidegger González A, et al. **Rev Latinoam Microbiol** 1982 Jan–Mar;24(1):7–10 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

The effect of antibiotics against bovine mycoplasmas and ureaplasmas. Truscott RB, et al. **Can J Comp Med** 1984 Apr;48(2):171–4

[Comparative study of transformation and fusion induced by polyethylene glycol in Acholeplasma laidlawii B] Goulay JL, et al. **Can J Microbiol** 1984 Jan;30(1):40–4 (Eng. Abstr.) **(Fre)**

[Effect of the geroprotector 2-ethyl-6-methyl-3-hydroxypyridine chlorhydrate on the cell proliferation of Acholeplasma laidlawii] Khokhlov AN, et al. **Dokl Akad Nauk SSSR** 1984;274(4):930–33 **(Rus)**

ENZYMOLOGY

Purification and characterization of the membrane (Na+ + Mg2+)-ATPase from Acholeplasma laidlawii B. Lewis RN, et al. **Biochim Biophys Acta** 1983 Oct 26;735(1):113–22

Purification and properties of a manganese-containing superoxide dismutase from Acholeplasma laidlawii. Reinards R, et al. **Hoppe Seylers Z Physiol Chem** 1984 May; 365(5):577–85

Uracil phosphoribosyltransferase from Acholeplasma laidlawii: partial purification and kinetic properties. McIvor RS, et al. **J Bacteriol** 1983 Oct;156(1):192–7

Uridine phosphorylase from Acholeplasma laidlawii: purification and kinetic properties. McIvor RS, et al. **J Bacteriol** 1983 Oct;156(1):198–204

Purine metabolism in Acholeplasma laidlawii B: novel PPi-dependent nucleoside kinase activity. Tryon VV, et al. **J Bacteriol** 1984 Jul;159(1):265–70

Purification and characterization of a dUTPase from Acholeplasma laidlawii B-PG9. Williams MV, et al. **J Bacteriol** 1984 Jul;159(1):278–82

GENETICS

Intraspecies genetic relatedness among strains of Acholeplasma laidlawii and of Acholeplasma axanthum by nucleic acid hybridization. Stephens EB, et al. **J Gen Microbiol** 1983 Jun;129 (Pt 6):1929–34

GROWTH & DEVELOPMENT

[Accumulation of cholesterol in Acholeplasma laidlawii membranes in the steady-state phase of culture growth] Kapitanov AB, et al. **Biokhimiia** 1983 Nov;48(11):1921–6 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

[Interaction of Acholeplasma laidlawii and Mycoplasma arthritidis with the lymphocytes of mice of different strains] Rakovskaia IV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Oct;(10):79–82 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Mycoplasmal infection of insect cell cultures. Steiner T, et al. **In Vitro** 1983 Sep;19(9):672–82

METABOLISM

Effects of mycoplasma contamination on the intra-cellular free amino acid pool and exopeptidases of cultured human diploid fibroblasts. Sambuy Y. **Med Lab Sci** 1984 Apr; 41(2):150–5

Binding of MVL-2 virus to A. laidlawii cells. Rottem S, et al. **Yale J Biol Med** 1983 Sep–Dec;56(5–6):765–9

PHYSIOLOGY

Transport activity of mouse spleen lymphocytes after their interaction in vitro with Acholeplasma laidlawii cells. Tarshis MA, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Nov; 255(4):518–23

RADIATION EFFECTS

Radiation studies of Acholeplasma laidlawii: the role of membrane composition. Edwards JC, et al. **Int J Radiat Biol** 1983 Oct;44(4):405–12

ULTRASTRUCTURE

The structure and function of the Acholeplasma laidlawii plasma membrane. McElhaney RN. **Biochim Biophys Acta** 1984 Jan 27;779(1):1–42 (157 ref.)

Extraction of lipids during freeze–substitution of Acholeplasma laidlawii–cells for electron microscopy. Weibull C, et al. **J Microsc** 1984 May;134 (Pt 2):213–6

19F–nuclear magnetic resonance study of glycerolipid fatty acyl chain order in Acholeplasma laidlawii B membranes. McDonough B, et al. **Yale J Biol Med** 1983 Sep–Dec; 56(5–6):391–6

ACHONDROPLASIA

COMPLICATIONS

Achondroplasia associated with obstructive sleep apnea [letter] Larsen PD, et al. **Arch Neurol** 1983 Nov;40(12):769

Apnea as the sole manifestation of cord compression in achondroplasia. Fremion AS, et al. **J Pediatr** 1984 Mar; 104(3):398–401

Apnea and sudden unexpected death in infants with achondroplasia. Pauli RM, et al. **J Pediatr** 1984 Mar; 104(3):342–8

Hodgkin's lymphoma in a child with cartilage–hair hypoplasia: case report. Roberts MA, et al. **Milit Med** 1984 May;149(5):280–1

Brain tumor and achondroplasia: a case report and review of the literature. McArdle DQ, et al. **Neurosurgery** 1984 Jul;15(1):111–3

[Cervical spinal cord compression in achondroplasia. Apropos of 2 cases in infants] Blondeau M, et al. **Ann Pediatr (Paris)** 1983 Nov;30(9):651–6 (Eng. Abstr.) **(Fre)**

[Compression of the cervical spinal cord in achondroplasia] Blondeau M, et al. **Sem Hop Paris** 1984 Mar 8;60(11):771–5 (Eng. Abstr.) **(Fre)**

[Pseudo–achondroplasia associated with atlanto–axial dislocation] Kuzume K, et al. **No To Hattatsu** 1983 Nov; 15(6):507–11 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Thanatophoric dwarfism: a report of two infants. Sehgal D, et al. **East Afr Med J** 1983 Oct;60(10):713–7

Hypochondrogenesis; an additional case. Hendrickx G, et al. **Eur J Pediatr** 1983 Jun–Jul;140(3):278–81

Hypochondrogenesis. Maroteaux P, et al. **Eur J Pediatr** 1983 Oct;141(1):14–22

Early second trimester sonographic diagnosis of achondrogenesis. Graham D, et al. **JCU** 1983 Aug; 11(6):336–8

[Pseudoachondroplastic dysplasia in a 3 1/2–year–old girl] Gura C, et al. **Pediatr Pol** 1983 Jul;58(7):643–7 **(Pol)**

[Ultrasonics in the diagnosis of fetal chondrodystrophy] Demidov VN, et al. **Sov Med** 1984;(4):119–21 **(Rus)**

[Prenatal ultrasonic diagnosis of skeletal malformations] Cečuk S, et al. **Jugosl Ginekol Opstet** 1983 Sep–Dec; 23(5–6):136–40 (Eng. Abstr.) **(Scr)**

FAMILIAL & GENETIC

Homozygous achondroplasia with survival beyond infancy. Pauli RM, et al. **Am J Med Genet** 1983 Dec;16(4):459–73

Germinal mosaicism [letter] David TJ. **Clin Genet** 1984 Jul; 26(1):79–80

Germinal mosaicism in achondroplasia: a family with 3 affected siblings of normal parents. Fryns JP, et al. **Clin Genet** 1983 Sep;24(3):156–8

Alternative explanations for recurrent achondroplasia in siblings of normal parents [letter] Hoo JJ. **Clin Genet** 1984 Jun;25(6):553–4

The ultrastructure of mandibular condylar and rib cartilage from mice carrying the spondylo–metaphyseal chondrodysplasia (smc) gene. Johnson DR. **J Anat** 1984 May;138 (Pt 3):463–70

Presumed homozygous achondroplasia. A review and report of a further case. Aterman K, et al. **Pathol Res Pract** 1983 Aug;178(1):27–39 (16 ref.)

[Radiologic changes in metaphyseal chondrodystrophy of the McKusick type (cartilage–hair hypoplasia)] Lischka A, et al. **Monatsschr Kinderheilkd** 1984 Jul;132(7):550–3 (Eng. Abstr.) **(Ger)**

[Blood zinc levels in an achondroplastic child and her relatives] Ponticiello L, et al. **Pediatria (Napoli)** 1983 Jun–Sep;91(2–3):315–9 (Eng. Abstr.) **(Ita)**

[Unidentified type of achondrogenesis in two siblings] Tsuruta T, et al. **Rinsho Hoshasen** 1984 Apr;29(4):531–4 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Abnormal cartilage from the mandibular condyle of stumpy (stm) mutant mice. Johnson DR. **J Anat** 1983 Dec;137 (Pt 4):715–28

Presumed homozygous achondroplasia. A review and report of a further case. Aterman K, et al. **Pathol Res Pract** 1983 Aug;178(1):27–39 (16 ref.)

PHYSIOPATHOLOGY

Short–latency somatosensory evoked potentials in the management of patients with achondroplasia. Nelson FW, et al. **Neurology (NY)** 1984 Aug;34(8):1053–8

SURGERY

[Progress in orthopedic surgery in achondroplastic subjects] Cattaneo R, et al. **Recenti Prog Med** 1983 Dec; 74(12):1327–38 (Eng. Abstr.) **(Ita)**

THERAPY

Fatal complication of femoral elongation in an achondroplastic dwarf. A case report. Ganel A, et al. **Clin Orthop** 1984 May;(185):69–71

VETERINARY

Osteochondrodysplasia in a litter of Bulldog puppies. Louw GJ. **J S Afr Vet Assoc** 1983 Jun;54(2):129–131

ACHROMOBACTER see ALCALIGENES

ACHROMOBACTERIACEAE see under GRAM–NEGATIVE AEROBIC BACTERIA

ACHYLIA GASTRICA see ACHLORHYDRIA

ACID ASPIRATION SYNDROME see PNEUMONIA, ASPIRATION

ACID–BASE EQUILIBRIUM

see related
ACIDOSIS
ALKALOSIS

Regulation of intracellular acid–base equilibrium in rats. Rothe KF. **Acta Anaesthesiol Scand** 1983 Dec;27(6):443–50

Effects of type and intensity of assistance on acid–base balance of newborn calves. Szenci O. **Acta Vet Hung** 1983; 31(1–3):73–9

Changes in tissue oxygenation and acidity induced by localized microwave hyperthermia and hematoporphyrin phototherapy, an update. Bicher HI, et al. **Adv Exp Med Biol** 1983;159:623–30

DPG – a link between blood acid–base status and respiratory function. Meldon JH, et al. **Adv Exp Med Biol** 1983; 159:519–24

Calcium balance and acid–base status of women as affected by increased protein intake and by sodium bicarbonate ingestion. Lutz J. **Am J Clin Nutr** 1984 Feb;39(2):281–8

Quality control of electrolyte analyzers. Evaluation of the anion gap average. Bockelman HW, et al. **Am J Clin Pathol** 1984 Feb;81(2):219–23

Acid–base aspects of ketoacidosis. Oster JR, et al. **Am J Nephrol** 1984 May–Jun;4(3):137–51 (110 ref.)

Effect of acute thyroparathyroidectomy on nephron acidification. Bengele HH, et al. **Am J Physiol** 1984 May; 246(5 Pt 2):F569–74

Acid–base status of fish at different temperatures. Cameron JN. **Am J Physiol** 1984 Apr;246(4 Pt 2):R452–9

Role of ion transfer processes in acid–base regulation with temperature changes in fish. Heisler N. **Am J Physiol** 1984 Apr;246(4 Pt 2):R441–51 (30 ref.)

Acid–base and ionic balance in Ambystoma tigrinum and Necturus maculosus during hypercapnia. Stiffler DF, et al. **Am J Physiol** 1983 Nov;245(5 Pt 1):R689–94

Blood acid–base curve nomogram for immature domestic pigs. Hannon JP. **Am J Vet Res** 1983 Dec;44(12):2385–90

Postural influence on systemic blood pressure, gas exchange, and acid/base status in the term–pregnant bitch during general anesthesia. Probst CW, et al. **Am J Vet Res** 1983 Oct;44(10):1963–5

Acid–base balance and selected hematologic, electrolytic, and blood chemical variables in calves nursing cows: one week through fifteen weeks. Reece WO. **Am J Vet Res** 1984 Apr;45(4):666–9

Acid–base control during hypothermia. Acid–base control in children during hypothermia without temperature correction of pH and PCO2. Matthews AJ, et al. **Anaesthesia** 1984 Jul;39(7):649–54

Acid–base interactions with noradrenaline–induced contractile response of the rabbit isolated aorta. Stokke DB, et al. **Anesthesiology** 1984 May;60(5):400–4

On the reliability of the Henderson–Hasselbalch equation in routine clinical acid–base chemistry [letter] van Stekelenburg GJ. **Ann Clin Biochem** 1984 May;21 (Pt 3):224

Tissue acid–base balance and oxygen metabolism in human cerebral infarction studied with positron emission tomography. Syrota A, et al. **Ann Neurol** 1983 Oct; 14(4):419–28

Acid–base metabolism, intracellular pH and water transport by the toad bladder. Arruda JA, et al. **Arch Int Pharmacodyn Ther** 1983 Sep;265(1):150–63

Chloride–induced increment in short–circuiting current of the turtle bladder. Effects of in–vivo acid–base state. Durham JH, et al. **Biochim Biophys Acta** 1984 Jan 25; 769(2):297–310

A topographic quantitative method for measuring brain tissue pH under physiological and pathophysiological conditions. Csiba L, et al. **Brain Res** 1983 Dec 19;289(1–2):334–7

Does low pH stimulate central chemoreceptors located near the ventral medullary surface? Miles R. **Brain Res** 1983 Jul 25;271(2):349–53

Metabolic alkalosis during immobilization in monkeys (M. nemestrina). Young DR, et al. **Calcif Tissue Int** 1983 Jul; 35(4–5):472–6

Modern quantitative acid–base chemistry. Stewart PA. **Can J Physiol Pharmacol** 1983 Dec;61(12):1444–61

Metabolic acidosis. Wheeler R, et al. **Compr Ther** 1983 Dec; 9(12):17–23

Role of luminal alkalinization in repair process of ethanol–induced mucosal damage in rat stomach. Takeuchi K, et al. **Dig Dis Sci** 1983 Nov;28(11):993–1000

Acid base changes during & after exchange transfusion. Rahman FR, et al. **Indian J Med Res** 1983 Aug;78:266–72

Changes in acidity of mouse tumor by hyperthermia. Rhee JG, et al. **Int J Radiat Oncol Biol Phys** 1984 Mar; 10(3):393–9

Clinical applications of continuous pH monitoring. Rozkovec A, et al. **Intensive Care Med** 1984;10(1):3–6

Net O2, CO2, lactate, and acid exchange by muscle during progressive working contractions. Chirtel SJ, et al. **J Appl Physiol** 1984 Jan;56(1):161–5

Arterial blood acid–base regulation during exercise in rats. Fregosi RF, et al. **J Appl Physiol** 1984 Aug;57(2):396–402

Newborn puppy cerebral acid–base regulation in experimental asphyxia and recovery. Nattie EE, et al. **J Appl Physiol** 1984 May;56(5):1178–86

Performance of hypothermic isolated rat heart at various levels of blood acid–base status. Sinet M, et al. **J Appl Physiol** 1984 Jun;56(6):1526–32

Characterization of acidification in the cortical and medullary collecting tubule of the rabbit. Laski ME, et al. **J Clin Invest** 1983 Dec;72(6):2050–9

Regulation of proton transport in urinary epithelia. Al–Awqati Q, et al. **J Exp Biol** 1983 Sep;106:135–41 (9 ref.)

The pH of mitochondria of fibroblasts from a hyperornithinaemia, hyperammonaemia, homocitrullinuria–syndrome patient. Metoki K, et al. **J Inherited Metab Dis** 1984;7(1):9–11

31P nuclear magnetic resonance study of the recovery characteristics of high energy phosphate compounds and intracellular pH after global ischaemia in the perfused guinea–pig heart. Brooks WM, et al. **J Mol Cell Cardiol** 1983 Aug;15(8):495–502

Calcium status of the growing rat as affected by diet acidity from ammonium chloride, phosphate and protein. Petito SL, et al. **J Nutr** 1984 Jun;114(6):1049–59

Acid–base homeostasis of low–birth–weight and full–term infants in early life. Lindquist B, et al. **J Pediatr Gastroenterol Nutr** 1983;2 Suppl 1(Suppl 1):S99–107

Fetal razor: an aid for scalp sampling. Hill LM, et al. **J Perinat Med** 1984;12(2):101–3

Carbon dioxide removal in acetate hemodialysis: effects on acid base balance. Bosch JP, et al. **Kidney Int** 1984 May; 25(5):830–7

Acid–base status of awake rats after cannulation of aorta and vena cava. Girard P, et al. **Kidney Int** 1983 Dec;24(6):795–9

Metabolic production and renal disposal of hydrogen ions. Halperin ML, et al. **Kidney Int** 1983 Dec;24(6):709–13

Medullary sponge kidney and renal acidification defect. Higashihara E, et al. **Kidney Int** 1984 Feb;25(2):453–9

Effect of diet on plasma acid–base composition in normal humans. Kurtz I, et al. **Kidney Int** 1983 Nov;24(5):670–80

Increase in plasma lactate at the menopause and its relation to the 'anion gap'. Hodgkinson A, et al. **Maturitas** 1984 Mar;5(3):171–6

First report of intramyocardial pH in man: I. Methodology and initial results. Khuri SF, et al. **Med Instrum** 1984 May–Jun;18(3):167–71

pH control of lactic acid and keto acid production: a mechanism of acid–base regulation. Hood VL, et al. **Miner Electrolyte Metab** 1983;9(4–6):317–25 (62 ref.)

Study on chronic suffocation. 1. The survival time and the change of acid–base balance. Sawaguchi A, et al. **Nippon Hoigaku Zasshi** 1983 Dec;37(6):788–94

Acid–base equilibrium in umbilical cord blood and time of cord clamping. Lievaart M, et al. **Obstet Gynecol** 1984 Jan; 63(1):44–7

Graphic representation of CO2 equilibria in biological systems. Kindig NB, et al. **Physiologist** 1983 Oct; 26(5):304–9

Renal regulation of acid–base balance: ammonia excretion. Tanner GA. **Physiologist** 1984 Apr;27(2):95–7

Chronotropic response of isolated guinea pig atria to alterations in pCO2, bicarbonate, and pH. Beresewicz A, et al. **Pol J Pharmacol Pharm** 1983 Nov–Dec;35(6):481–7

A specific mutation abolishing Na+/H+ antiport activity in hamster fibroblasts precludes growth at neutral and acidic pH. Pouysségur J, et al. **Proc Natl Acad Sci USA** 1984 Aug;81(15):4833–7

Effects of body temperature on ventilation, blood gases and acid–base balance in exercising fowl. Gleeson M, et al. **Q J Exp Physiol** 1984 Jan;69(1):61–72

Effect of acclimation temperature on intraerythrocytic acid–base balance and nucleoside triphosphates in the carp, Cyprinus carpio. Albers C, et al. **Respir Physiol** 1983 Nov; 54(2):145–59

The mechanisms of acid–base and ionoregulation in the freshwater rainbow trout during environmental hyperoxia

and subsequent normoxia. I. Extra- and intracellular acid–base status. Hobe H, et al. **Respir Physiol** 1984 Feb; 55(2):139–54

PCO2 modulation of ventilation and HCO3- buffer during chronic metabolic acidosis. Honer WG, et al. **Respir Physiol** 1983 Nov;54(2):241–58

Intracellular and extracellular acid–base and electrolyte status of submerged anoxic turtles at 3 degrees C. Jackson DC, et al. **Respir Physiol** 1983 Aug;53(2):187–201

Blood gases and acid–base status in chicken embryos with naturally varying egg shell conductance. Tazawa H, et al. **Respir Physiol** 1983 Nov;54(2):137–44

The mechanisms of acid–base and ionoregulation in the freshwater rainbow trout during environmental hyperoxia and subsequent normoxia. II. The role of the kidney. Wheatly MG, et al. **Respir Physiol** 1984 Feb;55(2):155–73

The mechanisms of acid–base and ionoregulation in the freshwater rainbow trout during environmental hyperoxia and subsequent normoxia. III. Branchial exchanges. Wood CM, et al. **Respir Physiol** 1984 Feb;55(2):175–92

High anion gap acidosis during intravenous infusion of protein hydrolysate. Tzamaloukas AH, et al. **South Med J** 1984 May;77(5):661–3

The importance of acid–base management for cardiac and cerebral preservation during open heart operations. Swan H. **Surg Gynecol Obstet** 1984 Apr;158(4):391–414 (150 ref.)

Effects of hypoxia and acidosis on vascular plasminogen activator release in the pig ear perfusion system. Tappy L, et al. **Thromb Res** 1984 Jan 15;33(2):117–24

Effect of treadmill exercise on blood gases and acid–base balance in patients with intermittent claudication. Maass U, et al. **Z Kardiol** 1983 Sep;72(9):537–42

Influence of induced maternal acidosis on the acid–base balance of the foetal lamb. Kutas F, et al. **Zentralbl Veterinarmed [A]** 1983 Oct;30(8):637–41

[Dynamics of indices of acid–base equilibrium of the blood and blood gases following prolonged peridural analgesia in children with peritonitis] Kiradzhieva M, et al. **Khirurgiia (Sofiia)** 1984;37(2):88–93 (Eng. Abstr.) **(Bul)**

[Acid–base equilibrium in the cerebrospinal fluid in critically ill newborn infants] Zapadlo M, et al. **Cesk Pediatr** 1983 Nov;38(11):662–4 (Eng. Abstr.) **(Cze)**

[Monitoring the acid–base equilibrium, pO2 and the hematocrit during vascular reconstruction] Jabor A, et al. **Rozhl Chir** 1984 Jan;63(1):22–8 (Eng. Abstr.) **(Cze)**

[Metabolic acidosis in children and newborn infants. Treatment with buffers] Unal D, et al. **Ann Fr Anesth Reanim** 1984;3(4):292–300 (37 ref.) **(Fre)**

[Physiologic and physiopathologic aspects of acid–base equilibrium in uremia] van Ypersele de Strihou C. **Nephrologie** 1983;4(4–5):178–80 **(Fre)**

[Long-term effects of acid–base equilibrium of bicarbonate dialysis] Wathen RL, et al. **Nephrologie** 1983;4(4–5):184–5 (Eng. Abstr.) **(Fre)**

[Changes of the acid–base status, serum lactate concentration and purine metabolism in reconstructive arterial surgery] Schoenberg M, et al. **Chirurg** 1983 Nov;54(11):728–33 (Eng. Abstr.) **(Ger)**

[Changes in the extracellular pH value and its effect on the intracellular pH value of tissues] Rothe KF. **Fortschr Med** 1984 Feb 16;102(7):158–63 (Eng. Abstr.) **(Ger)**

[Animal experiments on the behavior of selected criteria for hypoxia (serum lactate, glucose, hypoxanthine and creatine kinase, acid–base balance) in the arterial and venous blood of the skull in newborn piglets following experimental normobaric hypoxia] Menzel K, et al. **Kinderarztl Prax** 1984 May;52(5):223–31 (Eng. Abstr.) **(Ger)**

[Ammonium detoxication and pH regulation by the liver] Gerok W, et al. **Med Welt** 1984 Jan 13;35(1–2):28–34 **(Ger)**

[Renal acid excretion and renal molar load in healthy children and adults] Manz F, et al. **Monatsschr Kinderheilkd** 1984 Mar;132(3):163–7 (Eng. Abstr.) **(Ger)**

[Central venous blood gas and pH changes in chronic bronchitis patients under stress and in the recovery phase] Schwarz W. **Prax Klin Pneumol** 1983 Aug;37(8):308–15 (Eng. Abstr.) **(Ger)**

[Acid–base balance and respiratory gases in the pleural effusions of congestive heart failure] Lieberman D, et al. **Harefuah** 1984 May 15;106(10):446–9 (Eng. Abstr.) **(Heb)**

[Acid–base equilibrium, blood lactic acid and pyruvic acid in albino rats after muscular exertion under conditions of normal oxygen, hypoxia and hypoxia–hypercapnia] Quatrini U, et al. **Boll Soc Ital Biol Sper** 1984 Mar 30; 60(3):617–23 (Eng. Abstr.) **(Ita)**

[Effects of muscular exertion in a hypoxic and hypoxic–hypercapnic respiratory environment on acid–base equilibrium and blood lactic acid in the albino rat raised in hypoxic hypoxia from birth] Quatrini U, et al. **Boll Soc Ital Biol Sper** 1984 Mar 30;60(3):625–31 (Eng. Abstr.) **(Ita)**

[Acid–base equilibrium, oxygen partial pressure, oxyhemoglobin saturation and 2,3–DPG in 40 patients with rheumatoid arthritis] Montaldo PL, et al. **Boll Soc Ital Cardiol** 1983 Feb;28(2):149–53 (Eng. Abstr.) **(Ita)**

[Body fluids: water–electrolyte metabolism and acid–base equilibrium] **Nippon Rinsho** 1983 Aug;41 Suppl:1–1276 **(Jpn)**

[Clinical significance of the panic values in emergency clinical tests—panic values of blood gases and acid–base equilibrium] Ohta Y. **Rinsho Byori** 1983 Dec;31 Suppl:83–90 **(Jpn)**

[Lipid content and acidity of the skin surface in patients with juvenile acne treated with tetracycline] Skwarczyńska–Banyś E, et al. **Przegl Dermatol** 1983 Jul–Aug;70(4):413–5 (Eng. Abstr.) **(Pol)**

[Intraoperative observation of changes in acid–base equilibrium and water–electrolyte balance in cerebral ischemia syndrome] Mrówka R. **Wiad Lek** 1983 Aug 1; 36(15):1269–74 (Eng. Abstr.) **(Pol)**

[Acid–base equilibrium of the blood and cerebrospinal fluid in patients with chronic obstructive bronchopneumopathy] Vlaicu R, et al. **Rev Med Interna [Med Interna]** 1982 May–Jun;34(3):243–9 (Eng. Abstr.) **(Rum)**

[Changes in the gas composition and acid–base status of the blood and lymph in acute diffuse peritonitis] Potemkina EV, et al. **Anesteziol Reanimatol** 1984 May–Jun;(3):38–41 (Eng. Abstr.) **(Rus)**

[Status of several types of tissue metabolism at rest and during functional tests in patients in the initial stage of heart failure] Denisiuk VI. **Kardiologiia** 1984 Mar;24(3):99–103 (Eng. Abstr.) **(Rus)**

[Electrolyte balance and acid–base status in obese patients at early periods following jejuno–ileal shunt surgery] Vavilova TV, et al. **Klin Khir** 1984 Mar;(3):63 **(Rus)**

[Acid–base equilibrium and blood gases in mitral stenosis after graded physical exercise] Ignat'ev VS. **Klin Med (Mosk)** 1983 Aug;61(8):19–24 (Eng. Abstr.) **(Rus)**

[Acid–base function of the blood in iron–deficiency anemia in children] Sukhanov IuS, et al. **Pediatriia** 1984 Feb; (2):40–2 (Eng. Abstr.) **(Rus)**

[Acid–base equilibrium in the blood of patients with various diseases of the blood system in relation to surgery and general anesthesia] Moroz VA, et al. **Ter Arkh** 1983; 55(8):85–8 **(Rus)**

[Mechanism of action of the lung on oxygen content and acid–base equilibrium of the blood in patients with chronic cardiac insufficiency] Zamotaev IP, et al. **Ter Arkh** 1983; 55(12):43–6 (Eng. Abstr.) **(Rus)**

[Combined effect of factors of external environment on the acid–base equilibrium of blood] Kudrin ID, et al. **Voen Med Zh** 1983 Dec;(12):47–9 **(Rus)**

[Effects of fats of diverse nature on the acid–base equilibrium in animals of various ages] Grigorov IuG, et al. **Vopr Pitan** 1983 Nov–Dec;(6):51–5 (Eng. Abstr.) **(Rus)**

[Acid–base equilibrium in elderly and aged patients with chronic pyelonephritis and diabetes mellitus] Bachurin VI. **Vrach Delo** 1983 Jun;(6):41–3 (Eng. Abstr.) **(Rus)**

[Total gas and acid–base equilibrium after conservative–functional and total surgery of the larynx] Kralj Z, et al. **Acta Med Iugosl** 1983;37(4):307–15 (Eng. Abstr.) **(Scr)**

[Metabolic tests in the clinical evaluation of the vitality of regional skin flaps] Kralj Z, et al. **Lijec Vjesn** 1984 Feb–Mar;106(2–3):56–60 (Eng. Abstr.) **(Scr)**

[Changes in the acid–base equilibrium in rats during deep hypothermia] Remiš T, et al. **Bratisl Lek Listy** 1984 May; 81(5):526–35 (Eng. Abstr.) **(Slo)**

[The effect of heat stress on acid–base homeostasis in pigs] Bartko P, et al. **Vet Med (Praha)** 1984 Jun;29(6):337–44 (Eng. Abstr.) **(Slo)**

[The anionic gap in various pathologic conditions] Rodríguez Hornillo MC, et al. **Med Clin (Barc)** 1983 Dec 3; 81(18):797–800 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

The influence of anticoagulation on acid–base status and blood–gas analysis. Börner U, et al. **Acta Anaesthesiol Scand** 1984 Jun;28(3):277–9

Effects of venous air embolism on the cardiovascular system and acid base balance in the presence and absence of nitrous oxide. Mehta M, et al. **Acta Anaesthesiol Scand** 1984 Apr; 28(2):226–31

Effects of 18–hydroxycorticosterone and of aldosterone on acid–base parameters in the arterial blood of adrenalectomized rats. Damasco MC, et al. **Acta Physiol Lat Am** 1983;33(4):283–91

Identification of an amiloride sensitive Na+/H+ exchange system in brain synaptosomes. Sauvaigo S, et al. **Brain Res** 1984 Jun 3;301(2):371–4

The effect of ether, pentobarbitone sodium and fentanyl on blood gases, acid–base balance and hematological parameters in the rat. Komarek J. **Experientia** 1984 May 15;40(5):476–8

Effect of extracellular fluid volume depletion on renal regulation of acid–base and potassium equilibrium during prolonged mineral acid administration. Hulter HN, et al. **J Lab Clin Med** 1984 Jun;103(6):854–68

Diflunisal and blood acid base status in the rabbit. Smith JE, et al. **J Pharm Pharmacol** 1984 Mar;36(3):167–70

The short–term influence of catecholamines on acid–base balance of rat soleus muscle in vitro. Huguenin F. **Pflugers Arch** 1984 Jul;401(3):272–6

Catecholamine effect on HCO3–/Cl– exchange and rabbit myocardial cell pH regulation. Gonzalez NC, et al. **Respir Physiol** 1984 Jun;56(3):289–99

Effect of furosemide on cerebrospinal fluid composition. Johnson DC, et al. **Respir Physiol** 1984 Jun;56(3):301–8

[Effect of anesthesia during gynecologic operations on the acid–base status and blood gases] Smilov I, et al. **Akush Ginekol (Sofiia)** 1983;22(4):316–22 (Eng. Abstr.) **(Bul)**

[Respiratory response and acid–base equilibrium in acetate dialysis and bicarbonate dialysis] Salvadeo A, et al. **Nephrologie** 1983;4(4–5):186–9 (Eng. Abstr.) **(Fre)**

[Paradoxical reaction of intracellular pH values during therapy of acid–base imbalance with arginine hydrochloride] Rothe KF, et al. **Anaesthesist** 1983 Nov; 32(11):532–7 (Eng. Abstr.) **(Ger)**

[Evaluation of various urine–acidifying agents] Kwieciński R, et al. **Wiad Lek** 1983 Nov 15;36(22):1851–4 (Eng. Abstr.) **(Pol)**

[Effect of sodium oxybutyrate on changes in the electrolyte balance and acid–base equilibrium in labor] Miroshnichenko VP, et al. **Akush Ginekol (Mosk)** 1983 Aug;(8):31–2 (Eng. Abstr.) **(Rus)**

[Effect of carbostimulin on indices of acid–base balance and lactate concentration in the blood of swimmer–athletes] Verbitskiĭ ON, et al. **Ukr Biokhim Zh** 1984 Jan–Feb; 56(1):94–6 (Eng. Abstr.) **(Rus)**

[Effect of carbostimulin on the concentration of tricarboxylic cycle metabolites, oxidative processes and antibody biosynthesis in the rat] Zhuravskiĭ NI, et al. **Ukr Biokhim Zh** 1984 Jan–Feb;56(1):88–91 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

[Use of the method of acid erythrograms for the study of individual sensitivity of erythrocytes to the action of the impulse magnetic field] Stys' LK, et al. **Gematol Transfuziol** 1984 Jun;29(6):59–61 **(Rus)**

ACID–BASE IMBALANCE

Acid–base disorders and the kidney. Chan JC. **Adv Pediatr** 1983;30:401–71 (416 ref.)

On the reliability of the Henderson–Hasselbalch equation in routine clinical acid–base chemistry. Maas AH, et al. **Ann Clin Biochem** 1984 Jan;21 (Pt 1):26–39

Regulation of the acid–base status during environmental hypercapnia in the marine teleost fish Conger conger. Toews DP, et al. **J Exp Biol** 1983 Nov;107:9–20

[Surgery–linked alterations in the level of lactate and of the acid–base equilibrium at the post–operative stage] Aravena G, et al. **Cell Mol Biol** 1983;29(4):279–83 (Eng. Abstr.) **(Fre)**

BLOOD

Evaluation of the bicarbonate buffer system. Does the pK' really vary in the blood? Halperin ML, et al. **Am J Nephrol** 1983 Sep–Oct;3(5):245–7

Acid–base assessment with peripheral venous blood. Carveth ML, et al. **Heart Lung** 1984 Jan;13(1):48–54

Mixed venous blood–gas composition in experimentally induced acid–base disturbances. Griffith KK, et al. **Heart Lung** 1983 Nov;12(6):581–6

[Relationship between pulmonary encephalopathic coma and acid–base disturbance: an analysis of 55 cases] Guo XJ. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1983 Jun;6(3):166–8 (Eng. Abstr.) **(Chi)**

[Blood gas and pH analysis in 146 infants with severe pneumonia complicated by respiratory failure] Jiang ZF. **Chung Hua I Hsueh Tsa Chih** 1983 May;63(5):262–5 (Eng. Abstr.) **(Chi)**

CHEMICALLY INDUCED

Anion gap acidosis with hypoglycemia in acetaminophen toxicity. Zabrodski RM, et al. **Ann Emerg Med** 1984 Oct; 13(10):956–9

DIAGNOSIS

New aspects of acid–base balance. Rothe KF, et al. **Acta Anaesthesiol Belg** 1983 Dec;34(4):309–17

Quiz of the month. 2: Acid–base disturbances. Laski ME, et al. **Am J Nephrol** 1983 Nov–Dec;3(6):324, 338–9

Extraordinary alkalemia and triple acid–base disturbance. Gardner LB, et al. **South Med J** 1984 Feb;77(2):265–8

[Diagnosis based on the hematological findings obtained from the devices for blood gas and electrolyte analysis] Takahashi H, et al. **Rinsho Byori** 1983 May;31(5):521–7 **(Jpn)**

[Clinical testing of a computer model for the study of acid–base and water–electrolyte metabolism] Ponce P, et al. **Acta Med Port** 1984 Jan;5(1):3–6 (Eng. Abstr.) **(Por)**

DRUG THERAPY

The effect of monoacetin and calcium chloride on acid–base balance and survival in experimental sodium fluoroacetate poisoning. Taitelman U, et al. **Arch Toxicol [Suppl]** 1983; 6:222–7

Resuscitation of the newborn [letter] Smith BE. **Postgrad Med** 1975 Aug;58(2):23

ETIOLOGY

Oncologic emergencies: metabolic derangements of clinical importance. Myers WP, et al. **Prog Clin Biol Res** 1983; 132D:337–46

[Acid–base equilibrium and vascular exclusion of the liver: study of 30 extensive hepatectomies] Delva E, et al.

Ann Fr Anesth Reanim 1983;2(2):80–5 (Eng. Abstr.) (Fre)
[Characteristics of acid–base balance disorders in chronic nonspecific lung diseases] Kobzar' EB, et al. Vrach Delo 1983 Dec;(12):72–4 (Eng. Abstr.) (Rus)

METABOLISM

Glucagon and insulin secretion during acid–base alterations. Rebolledo OR, et al. Acta Diabetol Lat 1983 Jul–Sep; 20(3):211–20
Systemic acid–base disorders and intestinal electrolyte transport. Charney AN, et al. Am J Physiol 1984 Jul;247(1 Pt 1):G1–12 (144 ref.)
Influence of chronic metabolic acid–base disorders on the acute CO2 titration curve. Madias NE, et al. J Appl Physiol 1983 Oct;55(4):1187–95
Effects of acute metabolic acid–base changes and furosemide on magnesium excretion in rats. Marone CC, et al. Metabolism 1983 Nov;32(11):1033–7
Corticotropin–induced alkalosis in the weanling rat and its relation to the balance of non–metabolizable base. Wamberg S, et al. Scand J Clin Lab Invest 1983 Feb; 43(1):73–83
[Analysis of acid–base balance disorders in patients treated at the Clinic of Acute Poisoning of the Institute of Occupational Health in Łódź in 1975–1979] Rzepecki J, et al. Przegl Lek 1983;40(7):583–5 (Eng. Abstr.) (Pol)

PHYSIOPATHOLOGY

Effect of CO2 induced pH changes on the response of isolated guinea pig tracheas to isoproterenol. Elguindi AS, et al. Res Commun Chem Pathol Pharmacol 1984 Apr; 44(1):57–61
Effects of respiratory and (isocapnic) metabolic arterial acid–base disturbances on medullary extracellular fluid pH and ventilation in cats. Teppema LJ, et al. Respir Physiol 1983 Sep;53(3):379–95
Acid–base problems in surgery. Clark J, et al. World J Surg 1983 Sep;7(5):590–8

THERAPY

[Computerized assistance in the diagnosis and therapy of changes in acid–base and water–electrolyte balance] Ponce P, et al. Acta Med Port 1983 Nov–Dec;4(11–12):485–90 (Eng. Abstr.) (Por)

VETERINARY

Effects of disturbances of acid–base equilibrium on the activity of the rumen. Juhász B, et al. Acta Physiol Hung 1983;62(1):7–17
Correlations between muscle tone and acid–base balance in newborn calves: experimental substantiation of a simple new score system proposed for neonatal status diagnosis. Szenci O. Acta Vet Acad Sci Hung 1982;30(1–3):79–84
Influence of induced maternal acidosis on the acid–base balance of the newborn calf. Szenci O, et al. Acta Vet Acad Sci Hung 1982;30(1–3):71–7
Pathophysiologic and adaptive changes in acid–base disorders. Brobst D. J Am Vet Med Assoc 1983 Oct 1; 183(7):773–80 (34 ref.)

ACID ETCHING, DENTAL see under BONDING, DENTAL

ACID PHOSPHATASE

Study of the carbohydrate part of yeast acid phosphatase. Kozulić B, et al. Biochem Biophys Res Commun 1984 Aug 16;122(3):1083–90

ANALYSIS

Cytochemical analysis of alkaline phosphatase and esterase activities and of lectin–binding and anionic sites in rat and mouse Peyer's patch M cells. Owen RL, et al. Am J Anat 1983 Oct;168(2):199–212
Primary prostatic carcinoid tumor with intracytoplasmic prostatic acid phosphatase and prostate–specific antigen. Azumi N, et al. Am J Surg Pathol 1984 Jul;8(7):545–50
Prostatic acid phosphatase: clinical utility in detection, assessment, and monitoring carcinoma of the prostate. Pappas AA, et al. Ann Clin Lab Sci 1984 Jul–Aug; 14(4):285–91
A false–positive response in dexamethasone testing [letter] Fallon JJ, et al. Ann Intern Med 1984 May;100(5):770
Beta2–microglobulin, carcinoembryonic antigen and prostatic acid phosphatase in split ejaculates and urine voided before and after massage of the prostate. Lizana J, et al. Arch Androl 1983 Dec;11(3):225–32
Effect of the thermal variation on the molecular weight estimation of the acid phosphatase from Physarum polycephalum. Demirtas H. Biochimie 1983 Jun;65(6):371–5
Simultaneous demonstration of membrane antigens and cytochemistry at ultrastructural level: a study with the immunogold method, acid phosphatase and myeloperoxidase. Robinson D, et al. Br J Haematol 1984 Apr;56(4):617–31
Effect of cadmium and aluminum on bone alkaline and acid phosphatases. Sugawara N, et al. Bull Environ Contam Toxicol 1983 Oct;31(4):386–90
Rat prostatic acid phosphatase: androgenic control of isoelectric focusing patterns. Downey J, et al. Can J Biochem Cell Biol 1983 Jul;61(7):744–9
Papillary adenocarcinomas of the prostate. An immunohistochemical study. Kuhajda FP, et al. Cancer 1984 Oct 1;54(7):1328–32
Acid phosphatase localization in prostatic carcinoma. A comparison of monoclonal antibody to heteroantisera. Shevchuk MM, et al. Cancer 1983 Nov 1;52(9):1642–6
A cytochemical study of acid phosphatase, thiamine pyrophosphatase and horseradish peroxidase in the Golgi–GERL complex of hepatoma ascites cells. Wang JJ, et al. Cell Tissue Res 1983;233(2):367–76
Evaluation of an enzyme–linked immunosorbent assay for prostatic acid phosphatase. de Vries GP, et al. Clin Chim Acta 1984 Jul 31;140(3):279–88
Characterization of human prostatic acid phosphatase radioiodinated by four different procedures. McCarthy RC, et al. Clin Chim Acta 1983 Aug 31;132(3):277–86
Human prostatic acid phosphatase: purification, characterization, and optimization of conditions for radioimmunoassay. McCarthy RC, et al. Clin Chim Acta 1983 Aug 31;132(3):287–99
Ultrastructural and acid phosphatase histochemical analysis of developmental lens abnormalities in rats with X–ray–induced cataract mutation. Anderson JW, et al. Curr Eye Res 1984 Apr;3(4):625–36
Effects of a dermal dose of S,S,S,–tri–n–butyl phosphorotrithioate on brain acetylcholinesterase, acid phosphatase, and 2',3'–cyclic nucleotide–3' phosphohydrolase and plasma butyrylcholinesterase in hens. Abdo KM, et al. Dev Toxicol Environ Sci 1983; 11:499–502
Leukemic cell differentiation in childhood leukemias. Analysis by enzyme markers. Gaedicke G, et al. Eur J Pediatr 1984 Aug;142(3):157–64
Comparison of enzyme assay and radioimmunoassay for the measurement of human acid phosphatase in cases of sexual assault. Kloosterman AD, et al. Forensic Sci Int 1984 May; 25(1):45–55
Comparison of p30 and acid phosphatase levels in post–coital vaginal swabs from donor and casework studies. Poyntz FM, et al. Forensic Sci Int 1984 Jan;24(1):17–25
Immunohistochemical localization of prostate–specific acid phosphatase and prostate–specific antigen in stage A2 adenocarcinoma of the prostate: prognostic implications. Epstein JI, et al. Hum Pathol 1984 Sep;15(9):853–9
Alkaline & acid phosphatase levels in some dermatophytes & their electrophoretic spectra. Jacob Z, et al. Indian J Med Res 1983 Oct;78:524–30
Erythrocyte acid phosphatase in human hair root sheaths. Kimes DR, et al. J Forensic Sci 1984 Jan;29(1):64–6
The identification of the precise conditions for seminal acid phosphatase (SAP) and vaginal acid phosphatase (VAP) separation by isoelectric focusing patterns. Ablett PJ. J Forensic Sci Soc 1983 Jul;23(3):255–6
Acid, neutral, and alkaline phosphatases in developing rat oral mucosa. Sjögren S. J Histochem Cytochem 1984 May; 32(5):510–6
Analysis of the acid phosphatases of rat sensory ganglia by isoelectric focussing on polyacrylamide gels. Bahsoon JD, et al. J Neurochem 1984 Feb;42(2):482–6
Biological markers in prostate cancer. Pontes JE. J Urol 1983 Dec;130(6):1037–47 (178 ref.)
Comparison of acid phosphatases in the rat prostatic complex and seminal vesicles. Rytöluoto–Kärkkäinen R, et al. J Urol 1984 Oct;132(4):814–20
The diagnostic and prognostic use of cytochemical examinations in children with acute leukemia, evaluated with optic and electron microscope. Radwańska U, et al. Mater Med Pol 1982 Jan–Dec;14(1–2):49–54
A study of the acid phosphatase in the cells of bone and soft parts tumors, and of other tumorous conditions. Morisawa K. Nippon Seikeigeka Gakkai Zasshi 1983 Dec; 57(12):1937–50
Hepatic involvement in hairy cell leukemia: diagnosis by tartrate–resistant acid phosphatase enzyme histochemistry on formalin fixed and paraffin–embedded liver biopsy specimens. Grouls V, et al. Pathol Res Pract 1984 Mar; 178(4):332–4
Improvement in the histochemical demonstration of acid phosphatase, beta–galactosidase and nonspecific esterase in glycol methacrylate tissue sections by cold temperature embedding. Namba M, et al. Stain Technol 1983 Jul; 58(4):207–13
Behaviour of lysosomal enzymes in the small intestine after multiple daily fractionation. Becciolini A, et al. Strahlentherapie 1983 Aug;159(8):508–12
The glycoprotein nature of phospholipase A2, hyaluronidase and acid phosphatase from honey–bee venom. März L, et al. Toxicon 1983;21(6):893–6
Immunologic markers and the diagnosis of prostatic cancer. Ban Y, et al. Urol Clin North Am 1984 May;11(2):269–76 (47 ref.)
Evaluation of commercial immunoperoxidase kits in diagnosis of prostate carcinoma. Bentz MS, et al. Urology 1984 Jan; 23(1):75–8
Unusual radiologic features of metastatic prostatic carcinoma confirmed by immunohistochemical study. Huang TY, et al. Urology 1984 Feb;23(2):218–23
Immunoperoxidase localization of prostatic antigens. Comparison of primary and metastatic sites. Stein BS, et al. Urology 1984 Aug;24(2):146–52
[Increase in acid phosphatases and their labile tartrate fraction in a nonprostatic metastatic cancer (letter)] Coindre JM, et al. Presse Med 1984 Mar 17;13(11):683 (Fre)
[Morphologic findings in the liver in hairy cell leukemia. Simultaneous contribution to the detection of tartrate–resistant acid phosphatase–positive cells in the liver] Grouls V, et al. Pathologe 1984 Jan;5(1):37–42 (Ger)
[Benign and malignant plasma cell dyscrasias: methods of study] Geniram A, et al. Haematologica (Pavia) 1984 Mar–Apr;69(2):163–77 (Eng. Abstr.) (Ita)
[Purification and enzyme immunoassay of tumor markers for prostate cancer: prostatic acid phosphatase, prostate–specific antigen and creatine kinase BB] Morishita N, et al. Nippon Hinyokika Gakkai Zasshi 1984 Mar; 75(3):404–13 (Eng. Abstr.) (Jpn)
[Immunohistochemical study on prostatic acid phosphatase] Yoshida M, et al. Nippon Hinyokika Gakkai Zasshi 1983 Apr;74(4):514–22 (Eng. Abstr.) (Jpn)
[Study of lysosomal enzymes in human synovial membrane and fluid from rheumatoid and non–rheumatoid patients] Takahashi C, et al. Nippon Seikeigeka Gakkai Zasshi 1983 Dec;57(12):1895–909 (Eng. Abstr.) (Jpn)
[Structure and functions of manganese (III)–containing acid phosphatase] Sugiura Y, et al. Tanpakushitsu Kakusan Koso 1983 Jul;(26 Suppl):299–306 (Jpn)
[Determination of alveolar macrophage function in nonspecific lung diseases by the simultaneous estimation of phagocytosis and acid phosphatase activity] Chernushenko EF, et al. Zh Mikrobiol Epidemiol Immunobiol 1984 Jun;(6):84–6 (Eng. Abstr.) (Rus)

ANTAGONISTS & INHIBITORS

Tartrate–resistant acid phosphatase as a differentiation marker for the human mononuclear phagocyte system. Radzun HJ, et al. Hematol Oncol 1983 Oct–Dec;1(4):321–7

BIOSYNTHESIS

Influence of actinomycin D on the rhythmicity of acid phosphatase biogenesis in the rat liver. Twardowski J, et al. Folia Biol (Krakow) 1983;31(4):355–64
Acid phosphatase–producing androgen–independent subline of rat prostatic adenocarcinoma (Dunning R3327 tumor) in cell culture. Igarashi T, et al. Prostate 1984;5(1):113–22
[Uncoupling of acid phosphatase biosynthesis and secretion in Saccharomyces cerevisiae spheroplasts exposed to concanavalin A] Tsiomenko AB, et al. Dokl Akad Nauk SSSR 1983;271(4):1000–2 (Rus)

BLOOD

Serum prostatic acid phosphatase (PAP): monoclonal enzyme–linked immunoassay compared to polyclonal radioimmunoassay. Taylor EH, et al. Ann Clin Lab Sci 1984 Jan–Feb;14(1):21–6
Plasma acid phosphatase levels in endotoxaemia: modification by drugs and chemically detoxified endotoxins. Godin DV, et al. Br J Pharmacol 1983 Jun;79(2):421–8
Circadian rhythm in prostatic acid phosphatase (PAP): a potential tumor marker rhythm in prostatic cancer (PCa). Benvenuti M, et al. Chronobiologia 1983 Oct–Dec; 10(4):383–6
A new endogenous immunoenzyme assay for prostatic acid phosphatase evaluated. Babson AL. Clin Chem 1984 Jul; 30(7):1254–7
alpha–Naphthyl phosphate: the preferred substrate for acid phosphatase [letter] Babson AL. Clin Chem 1984 Aug; 30(8):1418–9
Sodium azide interference with a radioimmunoassay for prostatic acid phosphatase [letter] Cobbledick RE, et al. Clin Chem 1984 Jul;30(7):1264
Tartrate–resistant acid phosphatase in serum of cancer patients. Lam KW, et al. Clin Chem 1984 Mar;30(3):457–9
Increased prostate–type acid phosphatase activity in serum and typical bone lesions simulating the presence of prostatic carcinoma. Peters O, et al. Clin Chem 1984 May;30(5):803–4
Interferences in the direct kinetic determination of acid phosphatase activity. Small CW, et al. Clin Chem 1984 Apr; 30(4):594–5
Relationship of plasma tartrate resistant acid phosphatase to the bone isoenzyme of serum alkaline phosphatase in hyperparathyroidism. Stěpan JJ, et al. Clin Chim Acta 1983 Sep 30;133(2):189–200
Acid phosphatase of neutrophils in peripheral blood of patients with psoriasis. Moszczyński P, et al. Dermatol Monatsschr 1984;170(6):371–5
Acid phosphatase and non–specific alpha–naphthol acetate esterase activities of monocytes in patients with cancer of the digestive tract during surgical treatment. Merkiel K, et al. Folia Haematol (Leipz) 1983;110(3):366–72
The effect of a single dose of sheep's erythrocytes on the activity of acid phosphatase in lymphocytes of peripheral blood in bursectomized chickens. Graczyk S. Folia Histochem Cytochem (Krakow) 1984;22(2):85–9
Prognostication of prostatic carcinoma by serum acid phosphatase activity. Sharma RV, et al. Indian J Med Sci 1983 Jun;37(6):99–100
Mode of cytotoxic action of pseudomonal leukocidin on phosphatidylinositol metabolism and activation of lysosomal enzyme in rabbit leukocytes. Hirayama T, et al.

Infect Immun 1984 Jan;43(1):21–7
Acid phosphatase in serum [letter] van Dalen A.
J Clin Chem Clin Biochem 1984 Apr;22(4):331–3
Comparison of immunologic and enzymatic assay of prostatic acid phosphatase for follow-up and assessment of clinical status of stage D prostate cancer. El-Shirbiny A, et al. **J Surg Oncol** 1984 Aug;26(4):256–9
Prostatic carcinoma: management. Grayhack JT. **J Urol** 1984 Jul;132(1):92
The role of serum prostatic acid phosphatase as a tumor marker in men with advanced adenocarcinoma of the prostate. Maatman TJ, et al. **J Urol** 1984 Jul;132(1):58–60
Acid phosphatase elevation with symptoms following transurethral prostatic resection. O'Donnell PD. **J Urol** 1984 Apr;131(4):684–6
Acid phosphatase: its influence on the management of carcinoma of the prostate. Whitesel JA, et al. **J Urol** 1984 Jan;131(1):70–2
The effect of cortisol on rabbit red cell acid phosphatase isoenzymes. Szajerka G, et al. **Mol Cell Biochem** 1984; 59(1–2):183–6
Correlation between extent of metastatic lesions in whole body bone scintigraphy of patients with prostatic cancer and prostatic acid phosphatase in serum with Eiken PAP RIA kit. Kida T, et al. **Oncology** 1983;40(5):346–50
Extremely high concentration of serum prostate-specific acid phosphatase in an untreated prostatic cancer patient. Vihko P, et al. **Scand J Clin Lab Invest** 1984 Apr;44(2):151–3
Acid phosphatase and acid esterase activity in neoplastic and non-neoplastic lymphoid cells. A semiquantitative evaluation related to immunological markers in 112 cases. Boesen AM, et al. **Scand J Haematol** 1984 Mar;32(3):313–22
Prostatic acid phosphatase: current concepts. Romas NA. **Semin Urol** 1983 Aug;1(3):177–85
Changes of the activity of acid phosphatase and beta-glucuronidase in isolated platelets of whole-body irradiated rats. Vranovská J, et al. **Strahlentherapie** 1983 Sep;159(9):584–9
Perspectives on serum acid phosphatase in prostatic disease. An evaluation of two methods. Dedorson S, et al. **Ups J Med Sci** 1983;88(2):127–39
Tissue polypeptide antigen (TPA) and prostatic acid phosphatase in serum of prostatic cancer patients. Huber PR, et al. **Urol Res** 1983;11(5):223–6
Clinical assessment of solid phase immunoadsorbent assay of human prostatic acid phosphatase. Bauer HW, et al. **Urology** 1984 Mar;23(3):247–51
Serum acid phosphatase elevation associated with transurethral resection syndromes. O'Donnell PD. **Urology** 1983 Oct;22(4):388–90
Elevated serum acid phosphatase and TUR syndrome [letter] Williams RW. **Urology** 1984 Mar;23(3):320
[The value of counterimmunoelectrophoresis for the assay of prostatic acid phosphatase] Lamy S, et al. **Acta Urol Belg** 1983;51(3):340–4 (Eng. Abstr.) **(Fre)**
[Role of prostatic acid phosphatases in the treatment of adenocarcinoma of the prostate] Perrin P, et al. **J Urol (Paris)** 1984;90(1):19–22 (Eng. Abstr.) **(Fre)**
[Increase in acid phosphatases and their labile tartrate fraction in nonprostatic metastatic cancer] Bussiere JL, et al. **Presse Med** 1983 Oct 22;12(37):2333 **(Fre)**
[Acid phosphatase in blood (substrate: alpha-naphthylphosphate): reference values and diagnostic significance] Seiler D, et al. **J Clin Chem Clin Biochem** 1983 Aug;21(8):519–25 (Eng. Abstr.) **(Ger)**
[Clinical value of enzyme parameter combinations in the diagnosis of metastases] Schulze G. **Radiobiol Radiother (Berl)** 1983;24(4):517–20 (Eng. Abstr.) **(Ger)**
[Significance of an immunoenzyme assay of the prostate-specific acid phosphatase (PAP) (E.C.3.1.3.2.) in prostatic carcinoma. Methods and initial clinical results] Bauer HW, et al. **Urologe [Ausg A]** 1983 Sep;22 Suppl:367–71 (Eng. Abstr.) **(Ger)**
[Kinetic method for determining prostatic acid phosphatase in the blood] Schulze G, et al. **Z Med Lab Diagn** 1984; 25(2):120–5 (Eng. Abstr.) **(Ger)**
[Serum prostatic acid phosphatase] Chen M, et al. **Harefuah** 1983 May 1;104(9):378–80 (Eng. Abstr.) **(Heb)**
[Assessment of serum ferritin, CEA, beta 2-MG and PAP determinations in patients with urinary tract malignancies] Ohashi T, et al. **Hinyokika Kiyo** 1983 Feb;29(2):141–53 (Eng. Abstr.) **(Jpn)**
[Analysis of prostatic acid phosphatase by radioimmunoassay] Maruoka M. **Nippon Hinyokika Gakkai Zasshi** 1983 Mar; 74(3):311–20 (Eng. Abstr.) **(Jpn)**
[Detection of prostatic acid phosphatase by an immunochemical method. 4. Comparison with radioimmunoassay] Sakai S, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Jun;74(6):945–55 (Eng. Abstr.) **(Jpn)**
[Methods of serum enzyme determination and its clinical significance: acid phosphatase] Furiya S, et al. **Rinsho Byori** 1983 Jun;Suppl 55:201–12 **(Jpn)**
[Leukemia with positive reactions to tartrate-resistance acid phosphatase] Katayama I, et al. **Rinsho Byori** 1983 Jul; 31(7):706–11 (8 ref.) **(Jpn)**
[Acid phosphatase in peripheral blood lymphocytes of patients with psoriasis] Moszczyński P, et al. **Pol Tyg Lek** 1984 Jan 23;39(4):115–7 (Eng. Abstr.) **(Pol)**
[Acid phosphatase in human peripheral blood] Lisiewicz J, et al. **Przegl Lek** 1983;40(5):455–60 (70 ref.) **(Pol)**
[Acid phosphatase in lymphocytes of patients with diabetes mellitus complicated by infection] Lisiewicz J, et al. **Wiad Lek** 1983 Jul 15;36(14):1161–6 (Eng. Abstr.) **(Pol)**
[Acid hydrolase activity of the blood in immunodepression] Drozhennikov VA, et al. **Biull Eksp Biol Med** 1984 Apr; 97(4):448–50 (Eng. Abstr.) **(Rus)**
[Change in acid phosphatase and N-acetyl-beta-glucosaminidase activity in mouse lymphocytes induced by concanavalin A] Drozhennikov VA, et al. **Biull Eksp Biol Med** 1983 Dec;96(12):46–8 (Eng. Abstr.) **(Rus)**
[Comparative cytochemical characteristics of lymphoblasts in adults and children with lymphoblastic leukemia] Khelfets LM, et al. **Ter Arkh** 1984;56(6):42–3 **(Rus)**
[Activities of various enzymes in peripheral blood leukocytes during chronic glomerulonephritis] Bazarnova MA, et al. **Vrach Delo** 1983 Jun;(6):33–5 (Eng. Abstr.) **(Rus)**
[Cytochemical changes in the peripheral blood leukocytes in patients with sarcoidosis] Chernushenko EF, et al. **Vrach Delo** 1983 Jul;(7):55–7 **(Rus)**
[Value of prostatic acid phosphatase and its relation to bone gammagraphy in the diagnosis of cancer of the prostate] González Alenda FJ, et al. **Rev Clin Esp** 1983 Oct 15; 171(1):47–50 (Eng. Abstr.) **(Spa)**
[Cytochemistry of tricholeukemia (letter)] del Cañizo MC, et al. **Sangre (Barc)** 1983;28(6):794–5 **(Spa)**

CEREBROSPINAL FLUID

[Lysosomal enzymes in cerebrospinal fluid as a marker of brain tumor] Sonoda H, et al. **Neurol Med Chir (Tokyo)** 1984 Mar;24(3):149–56 (Eng. Abstr.) **(Jpn)**

GENETICS

Possible posttranslational modification, and its genetic control, in flax genotroph isozymes. Fieldes MA, et al. **Biochem Genet** 1984 Feb;22(1–2):99–114
Biochemical and genetic analysis of pre-stalk specific acid phosphatase in Dictyostelium. Loomis WF, et al. **Dev Biol** 1984 Apr;102(2):498–503
Two yeast acid phosphatase structural genes are the result of a tandem duplication and show different degrees of homology in their promoter and coding sequences. Meyhack B, et al. **EMBO J** 1982;1(6):675–80
Application of isozymes to the mapping of inherited ophthalmic disorders. Ferrell RE, et al. **Isozymes Curr Top Biol Med Res** 1983;11:121–35
Genetic polymorphism of red cell enzymes (AcP, EsD, GPT, 6-PGD) and of serum protein(Gc) in Fukushima Prefecture. Abe S. **Jinrui Idengaku Zasshi** 1983 Sep; 28(3):195–200
An insertion mutation associated with constitutive expression of repressible acid phosphatase in Saccharomyces cerevisiae. Toh-e A, et al. **MGG** 1983;191(3):339–46

IMMUNOLOGY

Difficulties in producing antibodies to purified Propionibacterium acnes exocellular enzymes. Ingham E, et al. **Br J Dermatol** 1984 Jan;110(1):61–6
Clinical studies of prostatic cancer imaging with radiolabeled antibodies against prostatic acid phosphatase. Goldenberg DM, et al. **Urol Clin North Am** 1984 May;11(2):277–81
[Enzyme immunoassay for detection of serum prostate antigen and prostatic acid phosphatase-binding globulins] Kuriyama M, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Jul;74(7):1186–92 (Eng. Abstr.) **(Jpn)**

ISOLATION & PURIFICATION

Acid phosphatase released to the growth medium by Rhodotorula glutinis. Purification and some properties of the enzyme. Watorek W, et al. **Acta Microbiol Pol** 1983; 32(3):237–44
Ultrastructural localization of acid phosphatase in Rhodotorula glutinis. Wątorek W. **Acta Microbiol Pol** 1983; 32(3):311–3
Purification and characterization of a vanadate-sensitive nucleotide tri- and diphosphatase with acid pH optimum from rat bone. Andersson G, et al. **Arch Biochem Biophys** 1984 Feb 1;228(2):431–8
Acid and alkaline phosphatases of Capnocytophaga species. II. Isolation, purification, and characterization of the enzymes from Capnocytophaga ochracea. Poirier TP, et al. **Can J Microbiol** 1983 Oct;29(10):1361–8
Acid phosphatase in human breast cancer tissue. Filmus JE, et al. **Cancer** 1984 Jan 15;53(2):301–5
Isolation and characterization of electrophoretic variants of human prostatic acid phosphatase. Hibbard MD, et al. **Clin Chem** 1983 Nov;29(11):1886–9
Purification and characterization of a purple acid phosphatase from rat spleen. Hara A, et al. **J Biochem (Tokyo)** 1984 Jan;95(1):67–74
Affinity separation of an acid phosphatase from rat tissues and Gaucher spleen with immobilized Cibacron Blue. Hara A, et al. **J Biochem (Tokyo)** 1983 Sep;94(3):721–7

METABOLISM

Functional impairment of the primary nociceptive analyser in the course of transganglionic degenerative atrophy. Szücs A, et al. **Acta Biol Hung** 1983;34(2–3):267–73
Ultrastructural localization of acid phosphatase activity in the jejunal absorptive cells of fasted rats. Ono K, et al. **Acta Histochem (Jena)** 1984;74(1):133–7
Depressive effects of acrylic cement components on bone metabolism. Isotope release and phosphatase production studied in vitro. Pedersen JG, et al. **Acta Orthop Scand** 1983 Dec;54(6):796–801
Uteroferrin and the purple acid phosphatases. Antanaitis BC, et al. **Adv Inorg Biochem** 1983;5:111–36 (74 ref.)
Acid phosphatase activity in the mammalian nephron. Olbricht CJ, et al. **Am J Physiol** 1984 Aug;247(2 Pt 2):F252–9
Histochemical activity of alkaline phosphatase and acid phosphatase in the epididymis of mature intact and androgen-deprived bulls. Goyal HO, et al. **Am J Vet Res** 1984 Mar;45(3):444–50
Human prostatic acid phosphatase: properties of the native enzyme, and the enzyme-antibody complex. Bais R, et al. **Ann Clin Biochem** 1983 Nov;20 (Pt 6):374–80
Multiple acid phosphatases in avian pectoral muscle—the postmicrosomal supernatant acid phosphatase is elevated in avian dystrophic muscle. Baxter JH, et al. **Arch Biochem Biophys** 1984 Feb 1;228(2):397–406
Mn(III)-containing acid phosphatase. Properties of Fe(III)-substituted enzyme and function of Mn(III) and Fe(III) in plant and mammalian acid phosphatases. Kawabe H, et al. **Biochim Biophys Acta** 1984 Jan 18;784(1):81–9
Effect of pH, temperature and media on acid and alkaline phosphatase activity in 'clinical' and 'nonclinical' isolates of Bordetella bronchiseptica. Mobley DM, et al. **Can J Comp Med** 1984 Apr;48(2):175–8
Acid and alkaline phosphatases of Capnocytophaga species. I. Production and cytological localization of the enzymes. Poirier TP, et al. **Can J Microbiol** 1983 Oct;29(10):1350–60
Acid and alkaline phosphatases of Capnocytophaga species. III. The relationship of the enzymes to the cell wall. Poirier TP, et al. **Can J Microbiol** 1983 Oct;29(10):1369–81
Acid phosphatase activity of developing anterior horn cells of chicken embryo after de-efferentiation and/or deafferentiation. van Welsum RA, et al. **Cell Biol Int Rep** 1984 May;8(5):351
Lysosomes in skeletal muscle following denervation. Time course of horseradish peroxidase uptake and increase of lysosomal enzymes. Tågerud S, et al. **Cell Tissue Res** 1984; 236(1):73–9
Distribution of prostatic acid phosphatase isoenzymes in normal and cancerous states. Lad PM, et al. **Clin Chim Acta** 1984 Aug 15;141(1):51–65
The stability of prostatic acid phosphatase, as measured by a capture immunoenzyme assay. Lin TM, et al. **Clin Chim Acta** 1984 Mar 27;138(1):73–86
A comparison of lysosomal acid hydrolase activities in human gastric antrum and in different regions of the porcine stomach. Devery RA, et al. **Comp Biochem Physiol [B]** 1983;76(3):549–53
The effect of myo-inositol deficiency on phosphatases of yeast. Brunner FF, et al. **Eur J Biochem** 1984 Aug 15; 143(1):95–100
A phosphotyrosyl-protein phosphatase activity associated with acid phosphatase from human prostate gland. Li HC, et al. **Eur J Biochem** 1984 Jan 2;138(1):45–51
Effects of work environment contaminated with benzene, toluene and xylene on acid phosphatase activity in lymphocytes. Moszczyński P, et al. **Folia Haematol (Leipz)** 1983;110(6):948–54
The acid phosphatase activity in lymphocytes with regard to the ontogenetic development of man. Moszczyński P, et al. **Folia Haematol (Leipz)** 1983;110(3):360–5
Changes of enzyme activities recognized in lymphocytes from patients with carcinoma of the gastrointestinal tract. Kitsuta T, et al. **Gastroenterol Jpn** 1983 Aug;18(4):365–71
Acid phosphatase activity of human gingival fibroblasts measured using a simultaneous coupling semi-permeable membrane technique. Duguid R, et al. **Histochem J** 1983 Aug;15(8):815–24
A qualitative and quantitative study of few enzymes in the liver of cadmium fed rats. Rana SV, et al. **Ind Health** 1983; 21(3):137–42
Hormone-induced changes in acid phosphatase activity during imbibition of 96-hr-germinated castor seed. Dua S, et al. **Indian J Biochem Biophys** 1983 Apr;20(2):118–20
Acid phosphatase activity as indicator of X-irradiation damage in mice tissues. Shah VC, et al. **Indian J Exp Biol** 1983 Mar;21(3):130–3
Phosphorylation-dephosphorylation of nuclear proteins during infection (Q fever). Gonzales FR, et al. **Infect Immun** 1984 Jan;43(1):14–20
Effect of chlorpromazine in vitro on release of enzymes from lysosomes of the bovine retinal pigment epithelium. Shiono T, et al. **Invest Ophthalmol Vis Sci** 1984 Jan;25(1):115–7
Physicochemical and kinetic properties of acid phosphatase from Saccharomyces cerevisiae. Barbarić S, et al. **J Biol Chem** 1984 Jan 25;259(2):878–83
Stereochemical course of phospho group transfer by human prostatic acid phosphatase. Buchwald SL, et al. **J Biol Chem** 1984 Feb 25;259(4):2208–13
Leishmanial phosphatase blocks neutrophil O-2 production. Remaley AT, et al. **J Biol Chem** 1984 Sep 25; 259(18):11173–5
Two populations of acid hydrolase-containing particles in rat epididymis. Mayorga L, et al. **J Cell Physiol** 1983 Oct; 117(1):135–9

Microanalysis of epithelial and mesenchymal acid hydrolase activities in the developing palate. Im MJ, et al. **J Craniofac Genet Dev Biol** 1983;3(3):281–8

Fluoride concentrations in rat and human tooth pulps and their possible interference with phosphatase activities. Ericsson Y, et al. **J Dent Res** 1983 Dec;62(12):1196–200

Acid phosphatase in melanosome formation: a cytochemical study in normal human melanocytes. Nakagawa H, et al. **J Invest Dermatol** 1984 Aug;83(2):140–4

Cytochemistry of myocardial structures related to degenerative processes in spontaneously hypertensive and normotensive rats. Tomanek RJ, et al. **J Mol Cell Cardiol** 1984 Mar;16(3):227–37

Acid phosphatase localization in normal and dystrophic retinal pigment epithelium. Seyfried-Williams R, et al. **J Neurocytol** 1984 Apr;13(2):201–14

Ultrastructural localization of acid phosphatase activity in plasma cells containing Russell's bodies in periodontitis. Tanaka A, et al. **J Oral Pathol** 1984 Apr;13(2):105–10

Lysosomal enzyme activities in susceptible and refractory strains of Biomphalaria glabrata during the course of infection with Schistosoma mansoni. Granath WO Jr, et al. **J Parasitol** 1983 Dec;69(6):1018–26

Electron microscopic cytochemical studies on acid phosphatase activity in acute myocardial ischemia. Nakamura N, et al. **Jpn Heart J** 1983 Jul;24(4):595–606

Induction of acid phosphatase synthesis in canine prostatic epithelial cells in vitro. Dionne FT, et al. **Mol Cell Endocrinol** 1983 Nov;33(1):113–26 (37 ref.)

Action of norepinephrine on free and cryptic acid phosphatase activity in newborn rats. Chițimia S. **Physiologie** 1983 Jul–Sep;20(3):169–73

Effects of radiocalcium (45Ca) on murine skeletal muscle. II. Alterations in acid and alkaline phosphatases and glucose 6-phosphatase. Asotra K, et al. **Radiobiol Radiother (Berl)** 1983;24(3):393–401

Histochemical demonstration of activity of acid phosphatase and beta-glucuronidase in bovine incisor tooth germs. Kirkeby S, et al. **Scand J Dent Res** 1983 Oct;91(5):341–6

Ultrastructural localization of acid phosphatase in immunologically defined neoplastic lymphocytic cells and hairy cells. A comparison between two different substrates. Boesen AM. **Scand J Haematol** 1984 Mar;32(3):245–52

Binding sites of seminal acid phosphatase to Canavalia gladiata DC lectin. Iwasa M, et al. **Tohoku J Exp Med** 1983 Aug;140(4):435–41

Calcitonin inhibits the increase in bone acid phosphatase activity by high dose of zinc in rats. Yamaguchi M, et al. **Toxicol Lett** 1983 Oct–Nov;19(1–2):155–8

Significance of transient elevation of PAP levels after TUR [letter] Marshall S. **Urology** 1984 Jun;23(6):624

Immunohistochemical identification of prostatic acid phosphatase and prostate specific antigen in female periurethral glands. Pollen JJ, et al. **Urology** 1984 Mar; 23(3):303–4

Fluoride-resistant acid phosphatase (FRAP) activity of nociceptive nerve terminals in the dental pulp. Hanzély B, et al. **Z Mikrosk Anat Forsch** 1983;97(1):43–8

Biochemical studies on acid phosphatase in the goat (Capra hircus) testis. Bilaspuri GS, et al. **Zentralbl Veterinarmed [A]** 1983 Aug;30(7):498–505

[Action of estradiol and progesterone on alkaline and acid phosphatase activity in the sheep uterus] Pamukova D, et al. **Vet Med Nauki** 1983;20(3–4):107–13 (Eng. Abstr.) **(Bul)**

[Localization of alkaline and acid phosphatases in the testes and epididymis of calves during postnatal development] Semkov M, et al. **Vet Med Nauki** 1984;21(2):49–57 (Eng. Abstr.) **(Bul)**

[Possibilities for the use of cerium for the ultrahistochemical demonstration of enzymes] Halbhuber KJ, et al. **Acta Histochem [Suppl] (Jena)** 1984;30:313–7 (Eng. Abstr.) **(Ger)**

[Cytological study of acid phosphatase activity of plasma cells in monoclonal gammopathies] Ricci C, et al. **Acta Med Austriaca** 1984;11(2):37–43 (Eng. Abstr.) **(Ger)**

[Cytochemical analysis of acid phosphatase and beta glucuronidase in B-cell non-Hodgkin's lymphoma of low-grade malignancy] Telek B, et al. **Orv Hetil** 1984 Jan 22;125(4):189–92 (Eng. Abstr.) **(Hun)**

[Lysosomal changes in the liver from rats with acute extrahepatic biliary obstruction] Matsumoto Y, et al. **Yakugaku Zasshi** 1984 Jan;104(1):68–73 (Eng. Abstr.) **(Jpn)**

[Predetermined phylo- and ontogenic characteristics of the distribution of lysosomal acid phosphatase in the digestive tract] Gadzhiev ShM, et al. **Biull Eksp Biol Med** 1983 Nov; 96(11):52–4 (Eng. Abstr.) **(Rus)**

[Effect of local thermal and radiation effects on the enzymatic activity of tumor tissue hydrolases] Ul'ianenko SE, et al. **Biull Eksp Biol Med** 1984 Jul;97(7):39–41 (Eng. Abstr.) **(Rus)**

[Prostatic phosphomonoesterases in rats of different ages both intact and after gonadectomy] Vasilenko AS, et al. **Probl Endokrinol (Mosk)** 1983 Nov–Dec;29(6):63–7 (Eng. Abstr.) **(Rus)**

[Submicroscopic study of adenohypophyseal cells with the hypophysis incubated in a hypertonic solution. I. The distribution of acid phosphatase, thiamine pyrophosphatase and arylsulfatase activities] Nevorotin AI, et al. **Tsitologiia** 1983 Dec;25(12):1361–5 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

[Acid phosphatase reaction in the rectum; value of sperm counts] Lötterle J, et al. **Beitr Gerichtl Med** 1983;41:181–4 (Eng. Abstr.) **(Ger)**

SECRETION

Manganese-stimulated exocytosis of acid phosphatase in mice. Suzuki H, et al. **Chem Biol Interact** 1984 Apr; 49(1–2):249–52

Morphological and functional characteristics of isolated acini used for in vitro studies of prostatic secretion. Seitz J, et al. **Eur J Cell Biol** 1983 Jul;31(1):71–84

Influence of acute injection of chloroquine on the biliary secretion of lipids and lysosomal enzyme on rats. Lafont H, et al. **Lipids** 1984 Mar;19(3):195–201

STANDARDS

Quality control of acid phosphatase assay improved by direct reconstitution of lyophilized control materials with citric acid. Blick KE, et al. **Clin Chem** 1983 Dec;29(12):2093–6

Development of a stable reference material for prostatic acid phosphatase. Duncan PH, et al. **Clin Chem** 1984 Aug; 30(8):1327–31

URINE

[Method of determining acid ethanol-labile phosphatases in urine and its use in pediatric endocrinology] Straková M, et al. **Cesk Pediatr** 1983 Oct;38(10):595–7 (Eng. Abstr.) **(Cze)**

[Significance of the study of acid ethanol-labile phosphatases in the urine in developmental and growth disorders of boys] Straková M, et al. **Arztl Jugendkd** 1983 Jul;74(4):245–50 (Eng. Abstr.) **(Ger)**

[Urinary enzyme determination and its clinical significance. B. Enzymes derived from the urogenital system. 1. Acid phosphatase] Usui T, et al. **Rinsho Byori** 1983 Sep;Spec No 56:22–6 **(Jpn)**

ACID SEROMUCOID see **OROSOMUCOID**

ACIDOSIS

BLOOD

Effects of ketosis on glucose flux in children and adults. Haymond MW, et al. **Am J Physiol** 1983 Oct;245(4):E373–8

Kinetic enzymic assay for D(–)-lactate, with use of a centrifugal analyzer. Ludvigsen CW, et al. **Clin Chem** 1983 Oct;29(10):1823–5

Automated kinetic method for D-3-hydroxybutyrate in plasma or serum. McMurray CH, et al. **Clin Chem** 1984 Mar;30(3):421–5

A simple method of determining 4-hydroxyisovaleric acid and its level in a patient with isovaleric acidemia. Shigematsu Y, et al. **Clin Chim Acta** 1984 Apr 27; 138(3):333–6

Rapid desensitization and uncoupling of human beta-adrenergic receptors in an in vitro model of lactic acidosis. Davies AO. **J Clin Endocrinol Metab** 1984 Sep; 59(3):398–405

Hypochloremia as a consequence of anion gap metabolic acidosis. Madias NE, et al. **J Lab Clin Med** 1984 Jul; 104(1):15–23

Creatinine determination in ketosis [letter] Lebel RR, et al. **N Engl J Med** 1984 Jun 21;310(25):1671

Prostaglandin levels following acute metabolic acidosis. Bolam DL, et al. **Prostaglandins Leukotrienes Med** 1983 Dec;12(4):381–3

Prognostic value of blood lactate in critically ill patients. Schuster HP. **Resuscitation** 1984 Mar;11(3–4):141–6 (18 ref.)

CEREBROSPINAL FLUID

Effects of SITS, an anion transport blocker, on CSF ionic composition in metabolic alkalosis. Javaheri S, et al. **J Appl Physiol** 1984 Jul;57(1):92–7

CSF and plasma ions and blood gases during organic metabolic acidosis in conscious rabbits. Nattie EE, et al. **J Appl Physiol** 1984 Jul;57(1):68–76

Ventilation and CSF ions during isocapnic HCl and HNO3 acidosis in conscious rabbits. Nattie EE, et al. **J Appl Physiol** 1983 Dec;55(6):1758–66

Ventilation and CSF ions during hypocapnic HCl and HNO3 acidosis in conscious rabbits. Nattie EE, et al. **J Appl Physiol** 1983 Dec;55(6):1748–57

CHEMICALLY INDUCED

Pulmonary mucormycosis as a complication of chronic salicylate poisoning. Espinoza CG, et al. **Am J Clin Pathol** 1983 Oct;80(4):508–11

Hyperchloremic metabolic acidosis after chlorine inhalation. Szerlip HM, et al. **Am J Med** 1984 Sep;77(3):581–2

Anion gap acidosis with hypoglycemia in acetaminophen toxicity. Zabrodski RM, et al. **Ann Emerg Med** 1984 Oct; 13(10):956–9

Complete recovery after profound acidosis (pH 6.49). Khan MI, et al. **Arch Dis Child** 1984 Jun;59(6):573–4

Lactic acidotic coma with multiple medication including metformin in a patient with normal renal function. Ryder RE. **Br J Clin Pract** 1984 Jun;38(6):229–30, 232

Metabolic acidosis induced by carbonic anhydrase inhibitors and salicylates in patients with normal renal function. Cowan RA, et al. **Br Med J [Clin Res]** 1984 Aug 11; 289(6441):347–8

Heparin inactivation, acidosis and copper poisoning due to presumed acid contamination of water in a hemodialysis unit. Eastwood JB, et al. **Clin Nephrol** 1983 Oct; 20(4):197–201

Lactic acidosis, hyperglycaemia and convulsions following nalidixic acid overdosage. Leslie PJ, et al. **Hum Toxicol** 1984 Jun;3(3):239–43

Acid load after intravenous aminoacid infusion: comparison of clorurated vs. acetated solutions. Montorsi M, et al. **Ital J Surg Sci** 1984;14(2):162–6

Profound hyperglycemia and metabolic acidosis after verapamil overdose. Enyeart JJ, et al. **J Am Coll Cardiol** 1983 Dec;2(6):1228–31

Organophosphate poisoning presenting as diabetic ketoacidosis. Zadik Z, et al. **J Toxicol Clin Toxicol** 1983 Jun;20(4):381–5

Alcoholic hypoglycemia and ketoacidosis. Williams HE. **Med Clin North Am** 1984 Jan;68(1):33–8 (12 ref.)

Renal salt wasting and metabolic acidosis with trimethoprim-sulfamethoxazole therapy. Kaufman AM, et al. **Mt Sinai J Med (NY)** 1983 May–Jun;50(3):238–9

Intensification of the metabolic acidosis induced under alpha-chloralose anaesthesia with graded increase in the dose. Shukla R, et al. **Pharmacol Res Commun** 1983 Jul; 15(7):647–54

High anion gap acidosis during intravenous infusion of protein hydrolysate. Tzamaloukas AH, et al. **South Med J** 1984 May;77(5):661–3

[Metabolic acidosis in a patient with kidney dysfunction following administration of cholestyramine] Blom HJ, et al. **Ned Tijdschr Geneeskd** 1983 Aug 6;127(32):1446–7 (Eng. Abstr.) **(Dut)**

[Experimental reproduction of lactic acidosis in the pony] Wolter R, et al. **Ann Rech Vet** 1983;14(3):195–206 (Eng. Abstr.) **(Fre)**

[The role of metabolic acidosis in alphathesin-induced tachypnea in dogs] Bergeret S, et al. **Can Anaesth Soc J** 1984 May;31(3 Pt 1):263–7 (Eng. Abstr.) **(Fre)**

[Alcoholic ketoacidosis. Report of a case and physiopathologic considerations] Trejo-Gutiérrez JF, et al. **Rev Invest Clin** 1983 Oct–Dec;35(4):301–3 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Central venous pH as a predictor of arterial pH in prolonged cardiac arrest. McGill JW, et al. **Ann Emerg Med** 1984 Sep;13(9 Pt 1):684–7

Influence of lactate accumulation on Na+, K+-ATPase activity of ischemic and post-ischemic brain. MacMillan V, et al. **Brain Res** 1984 Jun 11;303(1):125–32

[Fatty liver, metabolic acidosis and brain edema--Reye's syndrome in adults?] Korz R. **Dtsch Med Wochenschr** 1984 Jan 27;109(4):132–6 (Eng. Abstr.) **(Ger)**

[Disseminated myelogenous sarcoma with tumor-associated lactic acidosis] Viollier AF, et al. **Schweiz Med Wochenschr** 1983 Oct 8;113(40):1447–50 (Eng. Abstr.) **(Ger)**

CONGENITAL

Outcome of fetuses with lactic acidemia. Suidan JS, et al. **Am J Obstet Gynecol** 1984 Sep 1;150(1):33–7

Revised assays for the investigation of congenital lactic acidosis using 14C keto acids, eliminating problems associated with spontaneous decarboxylation. Hyland K, et al. **Clin Chim Acta** 1983 Sep 30;133(2):177–87

Deficiency of the iron-sulfur clusters of mitochondrial reduced nicotinamide-adenine dinucleotide-ubiquinone oxidoreductase (complex I) in an infant with congenital lactic acidosis. Moreadith RW, et al. **J Clin Invest** 1984 Sep;74(3):685–97

Dichloroacetate in the treatment of congenital lactic acidosis. Aynsley-Green A, et al. **J Inherited Metab Dis** 1984;7(1):26

Intrapartum fetal acidosis in preterm infants: fetal monitoring and long-term morbidity. Westgren M, et al. **Obstet Gynecol** 1984 Mar;63(3):355–9

[Congenital lactic acidemia] Narisawa K, et al. **Rinsho Shinkeigaku** 1983 Dec;23(12):1113–5 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Definition of clinically relevant lactic acidosis in patients with internal diseases. Luft D, et al. **Am J Clin Pathol** 1983 Oct; 80(4):484–9

Absence of symptoms and acidosis in potentially lethal methanol poisoning [letter] Nanji AA. **Ann Emerg Med** 1984 Jun;13(6):487

Clinical applications of continuous pH monitoring. Rozkovec A, et al. **Intensive Care Med** 1984;10(1):3–6

A practical approach to acid-base disorders. Aronoff GR, et al. **J Indiana State Med Assoc** 1983 Nov;76(11):764–6

Continuous monitoring of pH in the tissue mode: evaluation of a miniature sensor during acidosis and tissue hypoperfusion. Das JB, et al. **J Pediatr Surg** 1983 Dec; 18(6):914–21

Systematic pH-measurements in the umbilical artery: causes and predictive value of neonatal acidosis. Lauener PA, et

al. **J Perinat Med** 1983;11(6):278–85
Fetal acidosis and the abnormal fetal heart rate tracing: the term breech fetus. Eilen B, et al. **Obstet Gynecol** 1984 Feb; 63(2):233–6
[Rise of fetal acidity due to the mother sub partu and its clinical consequences] Goeschen K, et al.
Z Geburtshilfe Perinatol 1984 Mar–Apr;188(2):68–73 (Eng. Abstr.) **(Ger)**
[Determination of the mean pH of fetal blood during the pushing phase of labor] Skapur S, et al.
Jugosl Ginekol Opstet 1983 May–Aug;23(3–4):78–80 (Eng. Abstr.) **(Scr)**

DRUG THERAPY

The effect of the correction of metabolic acidosis on nitrogen and potassium balance of patients with chronic renal failure. Papadoyannakis NJ, et al. **Am J Clin Nutr** 1984 Sep; 40(3):623–7
Acute cocaine poisoning. Importance of treating seizures and acidosis. Jonsson S, et al. **Am J Med** 1983 Dec;75(6):1061–4
Oral base replacement in patients on hemodialysis. Van Stone JC. **Ann Intern Med** 1984 Aug;101(2):199–201
Nicorandil attenuates myocardial acidosis during coronary occlusion in dogs. Abiko Y, et al. **Br J Pharmacol** 1984 Feb;81(2):409–11
Lactic acidosis: high-dose or low-dose bicarbonate therapy? Ryder RE. **Diabetes Care** 1984 Jan–Feb;7(1):99–102
Transient lactic acidosis and hyperalaninaemia associated with neonatal hyperinsulinaemic hypoglycaemia: the effects of dichloroacetate (DCA). Aynsley-Green A, et al.
Eur J Pediatr 1983 Dec;141(2):114–7
Experimental brain injury: successful therapy with the weak base, tromethamine. With an overview of CNS acidosis. Rosner MJ, et al. **J Neurosurg** 1984 May;60(5):961–71
Lipoamide dehydrogenase deficiency with primary lactic acidosis: favorable response to treatment with oral lipoic acid. Matalon R, et al. **J Pediatr** 1984 Jan;104(1):65–9
Terbutaline in the management of acute intrapartum fetal acidosis. Tejani NA, et al. **J Reprod Med** 1983 Dec; 28(12):857–61
Treatment of lacticacidosis with dichloroacetate. **Lancet** 1983 Dec 3;2(8362):1288–9

ENZYMOLOGY

Glutamine synthetase activity of muscle in acidosis. King PA, et al. **Biochem J** 1983 Nov 15;216(2):523–5
Pyruvate dehydrogenase subcomplex with lipoamide dehydrogenase deficiency in a patient with lactic acidosis and branched chain ketoaciduria. Matuda S, et al.
Clin Chim Acta 1984 Jun 27;140(1):59–64
[The effect of neonatal acidosis on the activity of serum creatine kinase and its brain-specific isoenzymes in the serum of newborn infants on their first day of life] Linke M, et al. **Kinderarztl Prax** 1984 May;52(5):232–5 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Lactic acidosis in severe asthma. Appel D, et al.
Am J Med 1983 Oct;75(4):580–4
Effect of ethanol on lactic acidosis in experimental hemorrhagic shock. Garrison HG, et al.
Ann Emerg Med 1984 Jan;13(1):26–9
Pathogenesis and management of lactic acidosis. Kreisberg RA. **Annu Rev Med** 1984;35:181–93 (34 ref.)
D-lactic acidosis and other complications of intestinal bypass surgery. Halverson J, et al. **Arch Intern Med** 1984 Feb; 144(2):357–60
Lactic acidosis in breast cancer [letter] Brivet F, et al.
Intensive Care Med 1984;10(2):110–1
Muscle acidosis in post-viral fatigue [letter] **Lancet** 1984 Aug 4;2(8397):293
The severe lacticacidosis of thiamine deficiency: acute pernicious or fulminating beriberi. Campbell CH. **Lancet** 1984 Aug 25;2(8400):446–9
Lacticacidosis of thiamine deficiency [letter] Dalgleish AG. **Lancet** 1984 Sep 15;2(8403):644
D-Lactic acidosis and encephalopathy after jejunoileostomy: response to overfeeding and to fasting in humans. Dahlquist NR, et al. **Mayo Clin Proc** 1984 Mar;59(3):141–5
Treatment of lactic acidosis [letter] Vincent JL.
N Engl J Med 1984 Feb 2;310(5):320–1
Neonatal acidosis and method of delivery. Gilstrap LC 3d, et al. **Obstet Gynecol** 1984 May;63(5):681–5
Symptomatic hypocalcemia due to hyperphosphatemia associated with alcoholic ketoacidosis [letter] Nanji AA. **South Med J** 1984 Apr;77(4):540
[Differential diagnosis of the symptom of lactic acidosis in childhood] Koepp P. **Monatsschr Kinderheilkd** 1984 May; 132(5):264–7 (Eng. Abstr.) **(Ger)**
[A case of acute myeloblastic leukemia with lactic acidosis] Wong P, et al. **Rinsho Ketsueki** 1984 Feb;25(2):230–5 (Eng. Abstr.) **(Jpn)**
[Ketosis and acetonemia in alcoholic intoxication and the effect of teturam. Possible causes and mechanisms of development] Nuzhnyi VP, et al. **Patol Fiziol Eksp Ter** 1983 Nov–Dec;(6):78–81 (44 ref.) **(Rus)**

FAMILIAL & GENETIC

Mitochondrial cytochrome deficiency presenting as a myopathy with hypotonia, external ophthalmoplegia, and lactic acidosis in an infant and as fatal hepatopathy in a second cousin. Boustany RN, et al. **Ann Neurol** 1983 Oct; 14(4):462–70
Congenital lactic acidosis associated with pyruvate carboxylase deficiency. Repository identification No. GM6056. Oizumi J, et al. **Cytogenet Cell Genet** 1984; 38(1):80

METABOLISM

Glucose and orthophosphate incorporation and lactate release in the perfused hind limb of the rat during lactic acidemia. De Venanzi F, et al. **Acta Physiol Lat Am** 1983; 33(2):121–37
Acid–base aspects of ketoacidosis. Oster JR, et al.
Am J Nephrol 1984 May–Jun;4(3):137–51 (110 ref.)
Skeletal carbon dioxide stores during metabolic acidosis. Bettice JA. **Am J Physiol** 1984 Aug;247(2 Pt 2):F326–30
Is ischemia-induced pH decrease of dog myocardium respiratory or metabolic acidosis? Ichihara K, et al.
Am J Physiol 1984 May;246(5 Pt 2):H652–7
Effects of acidosis and carbonic anhydrase inhibition in the elasmobranch rectal gland. Swenson ER, et al.
Am J Physiol 1984 Jul;247(1 Pt 2):F86–92
Increased Vmax for Na+/H+ antiporter activity in proximal tubule brush border vesicles from rabbits with metabolic acidosis. Tsai CJ, et al. **Am J Physiol** 1984 Aug;247(2 Pt 2):F339–43
Glutamine transport in renal basolateral vesicles from dogs with metabolic acidosis. Windus DW, et al.
Am J Physiol 1984 Jan;246(1 Pt 2):F78–86
Halothane diminishes changes in cardiac fiber action potential duration induced by hypocarbia and hypercarbia. Stowe DF, et al. **Anesthesiology** 1984 Sep;61(3):245–53
Acidosis alters fluorescein permeability. Differential tracer penetration through pigment epithelium. Shinowara NL, et al. **Arch Ophthalmol** 1983 Nov;101(11):1771–4
Free radical mediation of the effects of acidosis on calcium transport by cardiac sarcoplasmic reticulum in whole heart homogenates. Hess ML, et al. **Cardiovasc Res** 1984 Mar; 18(3):149–57
Bupivacaine protein binding in the term parturient: effects of lactic acidosis. Denson DD, et al.
Clin Pharmacol Ther 1984 May;35(5):702–9
Plasma catecholamine levels and hemodynamic responses of severely acidotic dogs to dopamine infusion. Tajimi K, et al. **Crit Care Med** 1983 Oct;11(10):817–9
Influence of in vitro lactic acidosis and hypercapnia on respiratory activity of isolated rat brain mitochondria. Hillered L, et al. **J Cereb Blood Flow Metab** 1984 Sep; 4(3):430–7
Acute, but not chronic, metabolic acidosis disturbs 25-hydroxyvitamin D3 metabolism. Cunningham J, et al. **Kidney Int** 1984 Jan;25(1):47–52
Effect of chronic metabolic acidosis on vitamin D metabolism in humans. Kraut JA, et al. **Kidney Int** 1983 Nov; 24(5):644–8
Response of ammonia metabolism to acute acidosis. Tannen RL, et al. **Kidney Int** 1984 Jan;25(1):1–10 (104 ref.)
D-Lactic acidosis and selected cerebellar ataxias. Cross SA, et al. **Mayo Clin Proc** 1984 Mar;59(3):202–5
Release of lactate by the liver in metabolic acidosis in vivo. Fine A, et al. **Metabolism** 1984 May;33(5):393–6
Preliminary report: the effects of acute acidosis on alanine and glucose metabolism across the liver, gut, kidney, and muscle in the dog. Fine A. **Metabolism** 1983 Apr; 32(4):317–9
Gluconeogenesis and ammonia production in the isolated perfused rat kidney: the effect of starvation, acidosis and diabetic ketosis. Goto E, et al. **Nagoya J Med Sci** 1984 Mar;46(1–4):67–78
Effect of acidosis on bilirubin deposition in rat brain. Bratlid D, et al. **Pediatrics** 1984 Apr;73(4):431–4
Na+–H+ exchange activity in renal brush border membrane vesicles in response to metabolic acidosis: The role of glucocorticoids. Kinsella J, et al.
Proc Natl Acad Sci USA 1984 Jan;81(2):630–4
Renal recovery from metabolic acidosis in the rat: no role for glutamine synthetase. Duong N, et al. **Renal Physiol** 1984;7(1):32–45
Bioavailability of glucose from Palatinit. Ziesenitz SC.
Z Ernahrungswiss 1983 Sep;22(3):185–94
[Effects of acidosis on the action of drugs used in anesthesia and intensive care] Kienlen J. **Ann Fr Anesth Reanim** 1983; 2(4):280–95 (97 ref.) **(Fre)**

MORTALITY

Fatal lactic acidosis in lymphoma [letter] Campbell CH.
Aust NZ J Med 1983 Dec;13(6):643

PATHOLOGY

Deficiency of cytochromes b and aa3 in muscle from a floppy infant with cytochrome oxidase deficiency. Sengers RC, et al. **Eur J Pediatr** 1984 Jan;141(3):178–80
Response of intercalated cells of rat outer medullary collecting duct to chronic metabolic acidosis. Madsen KM, et al. **Lab Invest** 1984 Sep;51(3):268–76
[Propionic acidemia with myelination disorders of the CNS] Behbehani AW, et al. **Klin Padiatr** 1984 Mar–Apr; 196(2):106–10 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Relative effects of systemic pH, PCO2, and HCO3 concentration on colonic ion transport. Charney AN, et al. **Am J Physiol** 1984 Feb;246(2 Pt 1):G159–65
Purkinje-muscle coupling and endocardial response to hyperkalemia, hypoxia, and acidosis. Gilmour RF Jr, et al. **Am J Physiol** 1984 Aug;247(2 Pt 2):H303–11
Analysis of Cl- -HCO3(-) exchange during recovery from intracellular acidosis in cardiac Purkinje strands. Vanheel B, et al. **Am J Physiol** 1984 May;246(5 Pt 1):C391–400
Influence of lidocaine and bupivacaine on isolated guinea pig atria in the presence of acidosis and hypoxia. Sage DJ, et al. **Anesth Analg** 1984 Jan;63(1):1–7
The effects of lidocaine and quinidine on impulse propagation across the canine Purkinje-muscle junction during combined hyperkalemia, hypoxia, and acidosis. Evans JJ, et al. **Circ Res** 1984 Aug;55(2):185–96
Acidosis and cardiac muscle contractility: comparative aspects. Gesser H, et al. **Comp Biochem Physiol [A]** 1983; 76(3):559–66 (26 ref.)
Metabolic acidosis. Wheeler R, et al. **Compr Ther** 1983 Dec; 9(12):17–23
Changes in brain ECF pH during metabolic acidosis and alkalosis: a microelectrode study. Javaheri S, et al.
J Appl Physiol 1983 Dec;55(6):1849–53
Ventilatory response to chronic metabolic acidosis and alkalosis in the dog. Madias NE, et al. **J Appl Physiol** 1984 Jun;56(6):1640–6
Cardiac performance in the in situ perfused fish heart during extracellular acidosis: interactive effects of adrenaline. Farrell AP, et al. **J Exp Biol** 1983 Nov;107:415–29
Combined effects of hypoxia, hyperkalemia and acidosis on membrane action potential and excitability of guinea-pig ventricular muscle. Kodama I, et al. **J Mol Cell Cardiol** 1984 Mar;16(3):247–59
Second stage fetal heart rate abnormalities and neonatal acidosis. Gilstrap LC 3d, et al. **Obstet Gynecol** 1984 Feb; 63(2):209–13
Renal regulation of acid–base balance: ammonia excretion. Tanner GA. **Physiologist** 1984 Apr;27(2):95–7
PCO2 modulation of ventilation and HCO3- buffer during chronic metabolic acidosis. Honer WG, et al.
Respir Physiol 1983 Nov;54(2):241–58
Respiration of chemodenervated goats in acute metabolic acidosis. Steinbrook RA, et al. **Respir Physiol** 1984 Apr; 56(1):51–60
[Effect of metabolic acidosis in the tissues of the small intestine on pulmonary ventilation in the cat] Filippova LV, et al. **Fiziol Zh SSSR** 1984 Mar;70(3):374–6 **(Rus)**
[Effect of acidosis on Ca2+ binding by the sarcoplasmic reticulum and on relaxation of the cardiac muscle] Benevolenskii DS, et al. **Kardiologiia** 1983 Oct;23(10):100–5 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Dopamine blockade inhibits starvation ketosis in man. Johnston DG, et al. **Clin Endocrinol (Oxf)** 1983 Sep; 19(3):389–96

THERAPY

Treatment of metformin-associated lactic acidosis with closed recirculation bicarbonate-buffered hemodialysis [letter] Chalopin JM, et al. **Arch Intern Med** 1984 Jan; 144(1):203–5
Oral rehydration therapy: efficacy of sodium citrate equals to sodium bicarbonate for correction of acidosis in diarrhoea. Islam MR, et al. **Gut** 1984 Aug;25(8):900–4
[Metabolic acidosis in children and newborn infants. Treatment with buffers] Unal D, et al.
Ann Fr Anesth Reanim 1984;3(4):292–300 (37 ref.) **(Fre)**
[Potassium removal: a factor limiting the correction of acidosis during dialysis] Redaelli B, et al. **Nephrologie** 1983; 4(4–5):181–3 (Eng. Abstr.) **(Fre)**
[Correction of water-electrolyte and acid–base imbalance in patients with chronic renal failure by gastrointestinal dialysis] Briker VA, et al. **Sov Med** 1984;(4):28–34 (Eng. Abstr.) **(Rus)**

URINE

Hawkinsinuria—identification of quinolacetic acid and pyroglutamic acid during an acidotic phase. Hocart CH, et al. **J Chromatogr** 1983 Jul 8;275(2):237–43
High excretion of beta-aminoisobutyric acid in patients with ketoacidosis. Landaas S, et al. **Scand J Clin Lab Invest** 1983 Feb;43(1):95–7

VETERINARY

Comparative biochemical and pathological studies on acute ruminal acidosis induced by molasses and grain feeding in buffalo calves (Bubalus bubalis). Randhawa SS, et al.
Acta Vet Acad Sci Hung 1982;30(4):257–64
Influence of induced maternal acidosis on the acid–base balance of the newborn calf. Szenci O, et al.
Acta Vet Acad Sci Hung 1982;30(1–3):71–7
Prevalence of bovine ketosis in relation to number and stage of lactation. Kauppinen K. **Acta Vet Scand** 1983; 24(4):349–61
Hepatic metabolite concentration in lactic acidotic sheep. Huber TL, et al. **Am J Vet Res** 1984 Jun;45(6):1209–11
Subclinical ketosis and serum beta-hydroxybutyrate levels

in dairy cattle. Whitaker DA, et al. **Br Vet J** 1983 Sep-Oct; 139(5):462-3
Subclinical ketosis: prevalence and associations with production and disease. Dohoo IR, et al. **Can J Comp Med** 1984 Jan;48(1):1-5
Fetal hepatic and neural substrate utilization as affected by induced nutritional ketosis in swine. Steele NC, et al. **J Anim Sci** 1984 Jun;58(6):1388-95
Effect of niacin supplementation on milk production and ketosis of dairy cattle. Dufva GS, et al. **J Dairy Sci** 1983 Nov;66(11):2329-36
Effect of propionic acid on ketogenesis in lactating sheep fed restricted rations or deprived of food. Emmanuel B, et al. **J Dairy Sci** 1984 Feb;67(2):344-50
Fatty infiltration of liver in spontaneously ketotic dairy cows. Gröhn Y, et al. **J Dairy Sci** 1983 Nov;66(11):2320-8
Oral antacid treatment in clinical rumen acidosis. Van Amstel SR. **J S Afr Vet Assoc** 1983 Dec;54(4):265-6
Ketosis in dairy cows caused by low levels of lincomycin in concentrate feed. Rice DA, et al. **Vet Rec** 1983 Nov 19;113(21):495-6
Influence of induced maternal acidosis on the acid-base balance of the foetal lamb. Kutas F, et al. **Zentralbl Veterinarmed [A]** 1983 Oct;30(8):637-41
[Changes in the serum alkaline phosphatase of sheep and cattle with acute acidosis of the forestomach] Antonov S, et al. **Vet Med Nauki** 1983;20(3-4):20-7 (Eng. Abstr.) **(Bul)**
[Therapeutic and prophylactic action of monensin and nicotinic acid in cows with subclinical ketosis] Goranov Kh, et al. **Vet Med Nauki** 1984;21(1):43-50 (Eng. Abstr.) **(Bul)**
[Bovicystan treatment of subclinical ketosis in cows] Goranov Kh, et al. **Vet Med Nauki** 1983;20(3-4):73-9 (Eng. Abstr.) **(Bul)**
[Hyperglycemic and therapeutic action of nontranquilizing doses of xylazine in healthy sheep and cows and in cows with subclinical ketosis] Goranov Kh, et al. **Vet Med Nauki** 1983;20(3-4):34-9 (Eng. Abstr.) **(Bul)**
[Effect of ketosis on the reproductive process in high-yield cows] Simenov SI, et al. **Vet Med Nauki** 1984;21(1):89-93 (Eng. Abstr.) **(Bul)**
[Effect of chronic metabolic acidosis on the phagocytic activity of neutrophilic granulocytes in young cattle] Lachmann G, et al. **Arch Exp Veterinarmed** 1984 Jan; 38(1):75-83 (Eng. Abstr.) **(Ger)**
[32P studies of phosphate metabolism in metabolic acidosis of cattle] Lachmann G, et al. **Arch Exp Veterinarmed** 1984 Mar;38(2):203-10 (Eng. Abstr.) **(Ger)**
[The effect of zeolite on experimentally induced acidosis in sheep] Bartko P, et al. **Vet Med (Praha)** 1983 Nov; 28(11):679-86 (Eng. Abstr.) **(Slo)**

ACIDOSIS, DIABETIC

BLOOD

Biochemical characterization of ketosis-resistant young diabetics of northern India. In vivo effects of i.v. glucose, s.c. epinephrine and i.v. glucagon and in vitro effects of anti-insulin serum on adipose tissue lipolysis. Krishna Ram B, et al. **Acta Diabetol Lat** 1984 Apr-Jun;21(2):141-51
Determinants of glucose and ketoacid concentrations in acutely hyperglycemic diabetic patients. Malchoff CD, et al. **Am J Med** 1984 Aug;77(2):275-85
Suppressible glucagon secretion in young, ketosis-resistant, type 'J' diabetic patients in India. Rao RH, et al. **Diabetes** 1983 Dec;32(12):1168-71
Ketoacidosis without hyperglycemia during self-monitoring of diabetes [letter] Bell PM, et al. **Diabetes Care** 1983 Nov-Dec;6(6):622-3
Recurrent ketoacidosis in acquired, total lipodystrophy (lipoatrophic diabetes). Robbins DC, et al. **Diabetes Care** 1984 Jul-Aug;7(4):381-5
Clinical and biochemical status in diabetic ketoacidosis treated with low dose insulin infusion. Sachdev Y. **J Assoc Physicians India** 1983 Oct;31(10):621-4
Hyperchloraemic metabolic acidosis in diabetes. Shankar PS. **J Assoc Physicians India** 1983 Sep;31(9):607-8
Plasma creatinine levels in diabetic ketosis: spurious elevation of levels using a kinetic reaction in a discrete analyser. White TF, et al. **Med Lab Sci** 1984 Apr;41(2):185-7
Diabetic ketoacidosis [letter] **N Engl J Med** 1984 Jan 19; 310(3):199-200

CHEMICALLY INDUCED

Alkalemia in diabetic ketoacidosis. Cronin JW, et al. **Am J Med** 1984 Jul;77(1):192-4

COMPLICATIONS

Facial paralysis and epistaxis in a diabetic: a typical presentation for rhinocerebral mucormycosis. Rogers WD Jr. **Ann Emerg Med** 1984 Jul;13(7):560-1
Diabetic ketoacidosis and ruptured ectopic pregnancy: a fatal combination. Glynn MJ, et al. **Br Med J [Clin Res]** 1984 Apr 28;288(6426):1287-8
Diabetic ketoacidosis does not precipitate haemolysis in patients with the Mediterranean variant of glucose-6-phosphate dehydrogenase deficiency. Shalev O, et al. **Br Med J [Clin Res]** 1984 Jan 21;288(6412):179-80
Anaphylaxis and immunologic insulin resistance in a diabetic woman with ketoacidosis. Ross JM, et al. **Diabetes Care** 1984 May-Jun;7(3):276-9
Endocrine emergencies. Jordan RM. **Med Clin North Am** 1983 Nov;67(6):1193-213 (40 ref.)
[Mediastinal emphysema in diabetic ketoacidosis. 2 cases] Goldszmidt D, et al. **Arch Fr Pediatr** 1984 Feb;41(2):131-3 (Eng. Abstr.) **(Fre)**
[Non-cardiogenic pulmonary edema in diabetic ketoacidosis] Escalante Cobo JL, et al. **Rev Clin Esp** 1984 Mar 31; 172(6):347-8 **(Spa)**

DIAGNOSIS

Diabetic ketoacidosis: diagnosis and treatment. Barrett EJ, et al. **Hosp Pract [Off]** 1984 Apr;19(4):89-95, 99-104
Gastrointestinal manifestations of diabetic ketoacidosis. Barrett EJ, et al. **Yale J Biol Med** 1983 May-Jun; 56(3):175-8
[Acute abdomen - diabetic pseudoperitonitis?] Biewald W, et al. **Zentralbl Chir** 1984;109(4):273-5 **(Ger)**
[Diabetic ketoalkalosis] Gastón Morata JL, et al. **Rev Clin Esp** 1984 Jan 31;172(2):113-4 **(Spa)**

DRUG THERAPY

Optimal insulin delivery in diabetic ketoacidosis (DKA) and hyperglycemic, hyperosmolar nonketotic coma (HHNC). Kitabchi AE, et al. **Diabetes Care** 1982 May-Jun;5 Suppl 1:78-87 (32 ref.)
Fournier's syndrome in a ketoacidotic diabetic patient after intrascrotal insulin injections because of impotence. O'Dell K, et al. **Diabetes Care** 1983 Nov-Dec;6(6):601-3
Low-dose insulin in the management of diabetic ketoacidosis in a suboptimal clinical setting. Abdulkadir J, et al. **East Afr Med J** 1983 Mar;60(3):160-4
Insulin infusion in diabetic ketoacidosis. Sachdev Y. **Indian Pediatr** 1983 Oct;20(10):747-52
[Treatment of diabetic ketoacidosis with small intravenous doses of insulin] Kmoch J, et al. **Vnitr Lek** 1983 Aug; 29(8):770-4 (Eng. Abstr.) **(Cze)**
[Continuous perfusion of insulin in the treatment of acidoketotic coma in children] Debbabi A, et al. **Pediatrie** 1983 Sep;38(6):379-86 (Eng. Abstr.) **(Fre)**
[Treatment of diabetic ketoacidosis in children and adolescents] Burger W, et al. **Monatsschr Kinderheilkd** 1983 Oct;131(10):694-701 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Decreases in hepatic fructose-2,6-bisphosphate level and fructose-6-phosphate,2-kinase activity in diabetic mice: a close relationship to the development of ketosis. Sumi S, et al. **Biochem Biophys Res Commun** 1984 Apr 16; 120(1):103-8
Serum amylase during recovery from diabetic ketoacidosis. Kjaergaard JJ, et al. **Diabete Metab** 1984 Jan;10(1):25-30

ETIOLOGY

Diabetic ketoacidosis caused by functional blindness [letter] Manishen WJ. **Can Med Assoc J** 1983 Oct 1;129(7):682-3
Diabetic ketoacidosis during long-term treatment with continuous subcutaneous insulin infusion. Peden NR, et al. **Diabetes Care** 1984 Jan-Feb;7(1):1-5
A case of pituitary gigantism who had two episodes of diabetic ketoacidosis followed by complete recovery of diabetes. Kuzuya T, et al. **Endocrinol Jpn** 1983 Jun; 30(3):329-34
Reversible tubular proteinuria associated with hyperglycemic ketoacidosis in type 1 diabetes mellitus. Miltényi M, et al. **Int J Pediatr Nephrol** 1983 Dec;4(4):247-50
Precipitating events in diabetic ketoacidosis. Eckstein MA, et al. **Iowa Med** 1984 May;74(5):197-9
Diabetic ketoacidosis associated with outpatient treatment using continuous subcutaneous insulin infusion. Boulton AJ, et al. **Postgrad Med J** 1983 Jul;59(693):438-9
[Ketoacidosis during ambulatory treatment by continuous subcutaneous infusion of insulin. Possible role of catheter infection (letter)] Leguerrier AM, et al. **Presse Med** 1984 Apr 14;13(16):1008 **(Fre)**

METABOLISM

Acid-base aspects of ketoacidosis. Oster JR, et al. **Am J Nephrol** 1984 May-Jun;4(3):137-51 (110 ref.)
Muscle glutamine production in diabetic ketoacidotic rats. Goldstein L, et al. **Biochem J** 1983 Sep 15;214(3):757-67
Renal enzymes during experimental diabetes mellitus in the rat. Role of insulin, carbohydrate metabolism, and ketoacidosis. Lemieux G, et al. **Can J Physiol Pharmacol** 1984 Jan;62(1):70-5
Sulfur amino acid metabolism in juvenile-onset nonketotic and ketotic diabetic patients. Mårtensson J, et al. **Metabolism** 1984 May;33(5):425-8
Gluconeogenesis and ammonia production in the isolated perfused rat kidney: the effect of starvation, acidosis and diabetic ketosis. Goto E, et al. **Nagoya J Med Sci** 1984 Mar;46(1-4):67-78

PHYSIOPATHOLOGY

Insulin sensitivity in newly diagnosed type 1 diabetics after ketoacidosis and after three months of insulin therapy. Yki-Järvinen H, et al. **J Clin Endocrinol Metab** 1984 Sep; 59(3):371-8
Diabetic ketoacidosis. Sperling MA. **Pediatr Clin North Am** 1984 Jun;31(3):591-610 (59 ref.)
[Pathophysiology and therapy of diabetic ketoacidosis and of non-ketoacidotic hyperosmolar diabetic coma] Waldhäusl W, et al. **Wien Klin Wochenschr** 1984 Apr 27; 96(9):309-19 (95 ref.) (Eng. Abstr.) **(Ger)**

PSYCHOLOGY

Repeated hospitalization for diabetic ketoacidosis. The game of 'Sartoris'. Flexner CW, et al. **Am J Med** 1984 Apr; 76(4):691-5
Unstable diabetes and unstable families: a psychosocial evaluation of diabetic children with recurrent ketoacidosis. White K, et al. **Pediatrics** 1984 Jun;73(6):749-55

THERAPY

Current concepts of the pathogenesis and management of diabetic ketoacidosis (DKA). Yan P, et al. **Ann Acad Med Singapore** 1983 Oct;12(4):596-605 (84 ref.)
The management of diabetic ketoacidosis in pregnancy. Brumfield CG, et al. **Clin Obstet Gynecol** 1984 Mar; 27(1):50-9
Uncontrolled diabetes mellitus in adults: experience in treating diabetic ketoacidosis and hyperosmolar nonketotic coma with low-dose insulin and a uniform treatment regimen. Carroll P, et al. **Diabetes Care** 1983 Nov-Dec; 6(6):579-85
A regular meal and insulin infusion regimen: its use in the treatment of acute-onset ketotic diabetes and in stabilization of poorly controlled established diabetic subjects. Davis TM, et al. **Diabetes Care** 1982 Sep-Oct; 5(5):492-6
Current concepts in the pathophysiology and management of diabetic ketoacidosis. Menon PS, et al. **Indian J Pediatr** 1983 Jan-Feb;50(402):43-7
Treatment of diabetic ketoacidosis in children and young adults. Schwenk WF 2d, et al. **Primary Care** 1983 Dec; 10(4):663-76
[Report of 3 cases of diabetes complicated by lactic acidosis] Geng DZ. **Chung Hua I Hsueh Tsa Chih** 1984 Mar; 64(3):190-1 **(Chi)**
[Treatment of diabetic lactic acidosis] Jiang GY. **Chung Hua I Hsueh Tsa Chih** 1984 Mar;64(3):141-2 **(Chi)**
[Treatment of diabetic keto-acidosis] Pan CY. **Chung Hua I Hsueh Tsa Chih** 1984 Mar;64(3):136-8 **(Chi)**

URINE

[Reversible tubular proteinuria in childhood diabetes mellitus] Körner A, et al. **Orv Hetil** 1983 Aug 28;124(35):2109-12 (Eng. Abstr.) **(Hun)**

ACIDOSIS, RENAL TUBULAR

[Renal tubular acidosis. Nosologic classification and therapeutic approach] Cotrozzi G, et al. **Clin Ter** 1983 Dec 15;107(5):347-69 (208 ref.) (Eng. Abstr.) **(Ita)**
[Renal tubular acidosis] Guardamagna O, et al. **Minerva Urol** 1983 Apr-Jun;35(2):179-81 **(Ita)**

BLOOD

Renal tubular acidosis does not alter circulating values of calcitriol. Chesney RW, et al. **J Pediatr** 1984 Jan; 104(1):51-5

COMPLICATIONS

Renal tubular acidosis in recurrent renal stone formers. Mateos Antón F, et al. **Eur Urol** 1984;10(1):55-9
A patient with 25-hydroxylation of 1-alpha-hydroxy vitamin D in primary biliary cirrhosis complicated by renal tubular acidosis and a splenorenal shunt. Van Deuk WA, et al. **Neth J Med** 1984;27(2):40-3
Treatment of renal lithiasis associated with renal tubular acidosis. Van den Berg CJ, et al. **Proc Eur Dial Transplant Assoc** 1983;20:473-6
[Recurrent calcium lithiasis: tubular acidosis and urinary citrate] Mégevand M, et al. **Helv Chir Acta** 1983 Jun; 50(3):293-6 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Renal tubular acidosis presenting in pregnancy with severe hypokalaemia. Cheng CY, et al. **Aust NZ J Obstet Gynaecol** 1983 May;23(2):117-9
'Renal tubular acidosis'--a case report'. Mitra RR, et al. **Indian J Pediatr** 1983 Mar-Apr;50(403):233-7
The genogram as an aid to diagnosis of distal renal tubular acidosis. Troncale JA. **J Fam Pract** 1983 Oct;17(4):707-8
Renal tubular acidosis. Pohlman T, et al. **J Urol** 1984 Sep; 132(3):431-6

DIET THERAPY

Amelioration of metabolic acidosis by dietary potassium restriction in hyperkalemic patients with chronic renal insufficiency. Maher T, et al. **J Lab Clin Med** 1984 Mar; 103(3):432-45

DRUG THERAPY

Renal hypoprostaglandism, hypertension, and type IV renal tubular acidosis reversed by furosemide. Sanjad SA, et al.

Ann Intern Med 1983 Nov;99(5):624–7

Grocery store baking soda. A source of sodium bicarbonate in the management of chronic metabolic acidosis. Booth BE, et al. **Clin Pediatr (Phila)** 1984 Feb;23(2):94–6

[Renal tubular acidosis—clinical analysis of 46 cases] Dong DC. **Chung Hua Nei Ko Tsa Chih** 1983 Sep;22(9):548–52 **(Chi)**

[Treatment of proximal renal tubular acidosis with a thiazide diuretic] Senecky Y, et al. **Harefuah** 1983 Jan 2;104(1):14–6 (Eng. Abstr.) **(Heb)**

ENZYMOLOGY

Neonatal pyruvate carboxylase deficiency with renal tubular acidosis and cystinuria. Oizumi J, et al. **J Inherited Metab Dis** 1983;6(3):89–94

ETIOLOGY

Renal distal tubular acidosis in obstructive nephropathy. Banyó T, et al. **Acta Chir Hung** 1984;25(1):39–44

Metabolic acidosis in a young woman [clinical conference] Glassock RJ, et al. **Am J Nephrol** 1984 Jan–Feb;4(1):58–65

Dehydration, renal vein thrombosis and hyperkalemic renal tubular acidosis in a newborn. Glassock RJ, et al. **Am J Nephrol** 1983 Nov–Dec;3(6):329–37

Hypouricemia and hyperuricosuria as expressions of renal tubular damage in primary biliary cirrhosis. Izumi N, et al. **Hepatology** 1983 Sep–Oct;3(5):719–23

Renal tubular acidosis following intestinal bypass: an etiological study. Jensen JB, et al. **Int J Obes** 1984; 8(2):151–9

Renal tubular acidosis type 4 in neonatal unilateral kidney diseases. Alon U, et al. **J Pediatr** 1984 Jun;104(6):855–60

Acquired distal renal tubular acidosis [clinical conference] Kurtzman NA. **Kidney Int** 1983 Dec;24(6):807–19

Renal tubular acidosis induced by dietary chloride. Toto RD, et al. **Kidney Int** 1984 Jan;25(1):26–32

Idiopathic hypergammaglobulinaemia associated with nephrogenic diabetes insipidus and distal renal tubular acidosis. Spruce BA, et al. **Postgrad Med J** 1984 Jul; 60(705):493–4

[Distal renal tubular acidosis and Sjögren's syndrome: a case report] Guh JY, et al. **Taiwan I Hsueh Hui Tsa Chih** 1983 Nov;82(11):1196–202 (Eng. Abstr.) **(Chi)**

[Tubular acidosis syndrome in hepatic cirrhosis] Nestor G, et al. **Rev Med Interna [Med Interna]** 1983 Nov–Dec; 35(6):537–40 **(Rum)**

[Acidosis in acute renal insufficiency] Romoşan I. **Rev Med Interna [Med Interna]** 1983 Jul–Aug; 35(4):299–304 **(Rum)**

FAMILIAL & GENETIC

Siblings with renal tubular acidosis and nerve deafness. The first family in Japan. Anai T, et al. **Hum Genet** 1984; 66(2–3):282–5

[Case of Sjögren's syndrome with familial renal tubular acidosis and essential hypernatremia] Taneichi K, et al. **Nippon Naika Gakkai Zasshi** 1983 Jul;72(7):902–7 **(Jpn)**

[Sjogren's syndrome with renal tubular acidosis in a mother and her daughters] Taneichi K, et al. **Ryumachi** 1983 Aug; 23(4):221–7 (Eng. Abstr.) **(Jpn)**

METABOLISM

Effects of metabolic acidosis on zinc and calcium metabolism in rats. Jacob M, et al. **Ann Nutr Metab** 1983;27(5):380–5

Impaired renal acidification in alcoholic liver disease. Paré P, et al. **Arch Intern Med** 1984 May;144(5):941–4

Proximal tubular HCO3–, H+ and fluid transport during maleate–induced acidification defect. Rebouças NA, et al. **Pflugers Arch** 1984 Jul;401(?):266–71

PHYSIOPATHOLOGY

Handling of ammonium by the renal proximal tubule during acute metabolic acidosis. Simon E, et al. **Am J Physiol** 1983 Dec;245(6):F680–6

[Renal tubular acidosis] Nikkilä M. **Duodecim** 1983; 99(17):1151–7 (12 ref.) **(Fin)**

RADIOGRAPHY

[Roentgenographic feature of bones in renal tubular acidosis] Wang ZX, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1983 Aug; 5(4):252–4 (Eng. Abstr.) **(Chi)**

URINE

Effect of furosemide on urinary acidification in distal renal tubular acidosis. Rastogi SP, et al. **J Lab Clin Med** 1984 Aug;104(2):271–82

ACIDOSIS, RESPIRATORY

Effect of respiratory alkalosis in tricyclic antidepressant overdose. Bessen HA, et al. **West J Med** 1983 Sep; 139(3):373–6

BLOOD

Influence of hypercapnia and/or hypoxemia and metabolic acidosis on theophylline kinetics in the conscious rabbit. Letarte L, et al. **Am Rev Respir Dis** 1984 May;129(5):762–6

Severe hypophosphataemia during recovery from acute respiratory acidosis. Storm TL. **Br Med J [Clin Res]** 1984 Aug 25;289(6443):456–7

CEREBROSPINAL FLUID

Effects of acetazolamide on ionic composition of cisternal fluid during acute respiratory acidosis. Javaheri S, et al. **J Appl Physiol** 1984 Jul;57(1):85–91

COMPLICATIONS

Synergistic effect of acidosis and succinylcholine–induced hyperkalemia in spinal cord transected rats. Koller ME, et al. **Acta Anaesthesiol Scand** 1984 Feb;28(1):87–90

Chronic mountain sickness at an elevation of 2,000 meters. Gronbeck C 3d. **Chest** 1984 Apr;85(4):577–8

[A case report of central alveolar hypoventilation syndrome (Ondine's curse)] Hiraishi T, et al. **Masui** 1984 Feb; 33(2):183–8 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Lactic acidosis in severe asthma. Appel D, et al. **Am J Med** 1983 Oct;75(4):580–4

[Acid–base equilibrium of the blood and cerebrospinal fluid in patients with chronic obstructive bronchopneumopathy] Vlaicu R, et al. **Rev Med Interna [Med Interna]** 1982 May–Jun;34(3):243–9 (Eng. Abstr.) **(Rum)**

METABOLISM

Is ischemia–induced pH decrease of dog myocardium respiratory or metabolic acidosis? Ichihara K, et al. **Am J Physiol** 1984 May;246(5 Pt 2):H652–7

Intestinal ion transport and intracellular pH during acute respiratory alkalosis and acidosis. Kurtin P, et al. **Am J Physiol** 1984 Jul;247(1 Pt 1):G24–31

Glutamine transport in basolateral vesicles from dogs with acute respiratory acidosis. Windus DW, et al. **Am J Physiol** 1984 Sep;247(3 Pt 2):F403–7

Dural diffusion of local anesthetics [letter] Greene NM. **Anesthesiology** 1984 Jun;60(6):619

Acidosis alters fluorescein permeability. Differential tracer penetration through pigment epithelium. Shinowara NL, et al. **Arch Ophthalmol** 1983 Nov;101(11):1771–4

PHYSIOPATHOLOGY

Cellular response to acute respiratory acidosis in rat medullary collecting duct. Madsen KM, et al. **Am J Physiol** 1983 Dec;245(6):F670–9

Distribution of cardiac output in fetal and neonatal lambs with acute respiratory acidosis. Rosenberg AA, et al. **Pediatr Res** 1984 Aug;18(8):731–5

ACIDS

Organic acid metabolism during ripening of fruits. Satyan SH, et al. **Indian J Biochem Biophys** 1983 Oct;20(5):311–4

ADVERSE EFFECTS

[Oral state in workers exposed to acids] Schneider HG, et al. **Z Arztl Fortbild (Jena)** 1983;77(21):887–9 **(Ger)**

ANALYSIS

[Determination of peroxide and acid values of dressings for the establishment of food standards] Mihara M, et al. **Eisei Shikenjo Hokoku** 1983;(101):101–4 (Eng. Abstr.) **(Jpn)**

BIOSYNTHESIS

Acid production by flavivirus–infected VERO and CER cell cultures. Barnard BJ. **Onderstepoort J Vet Res** 1984 Mar; 51(1):89–90

DIAGNOSTIC USE

A human alloanti–N enhanced by acid media. Reid ME, et al. **Transfusion** 1984 May–Jun;24(3):222–3

ISOLATION & PURIFICATION

Study of antibacterial and antiinflammatory components of Achillea alpina. Liu ML, et al. **J Tradit Chin Med** 1983 Sep;3(3):213–6

METABOLISM

Effects of saline infusion on titratable acid generation and ammonia secretion. Wilcox CS, et al. **Am J Physiol** 1984 Sep;247(3 Pt 2):F506–19

Colonic absorption and secretion of fluids, electrolytes and organic acids in East African wild ruminants. Clemens ET, et al. **Comp Biochem Physiol [A]** 1984;77(1):51–6

Acid influx into snail neurones caused by reversal of the normal pHi–regulating system. Evans MG, et al. **J Physiol (Lond)** 1984 Jan;346:143–54

Effect of esophageal emptying and saliva on clearance of acid from the esophagus. Helm JF, et al. **N Engl J Med** 1984 Feb 2;310(5):284–8

Solid–bolus passage in patients with pathological oesophageal acid clearing. Kjellén G, et al. **Scand J Gastroenterol** 1983 Mar;18(2):183–7

[Work of the active transport system of organic acids in the kidney proximal tubules of rats with compensatory hypertrophy] Rebane EN, et al. **Tsitologiia** 1984 May; 26(5):617–22 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Simultaneous inhibition of carbon and nitrogen mineralization in a forest soil by simulated acid precipitation. Klein TM, et al. **Bull Environ Contam Toxicol** 1984 Jun;32(6):698–703

Enhancement of taste responses to acids by calcium ions. Nagahama S, et al. **Comp Biochem Physiol [A]** 1984; 77(1):63–6

The effect of acid water on the loss of divalent cations and primary amines from natural membranes. Swinehart JH, et al. **Comp Biochem Physiol [C]** 1984;77(2):327–30

POISONING

Corrosive acid ingestion in man – a clinical and endoscopic study. Dilawari JB, et al. **Gut** 1984 Feb;25(2):183–7

ACIDULATED PHOSPHATE FLUORIDE see under **SODIUM FLUORIDE**

ACINETOBACTER

CLASSIFICATION

Fingerprinting Acinetobacter strains from clinical sources by numerical analysis of electrophoretic protein patterns. Alexander M, et al. **J Med Microbiol** 1984 Aug;18(1):55–64

Taxonomic implications of quantitative transformation in Acinetobacter calcoaceticus. Bergan T, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Apr; 254(2):214–28

[Bioenzymatic and lysotypic study of 200 strains of Acinetobacter calcoaceticus] Joly–Guillou ML, et al. **Pathol Biol (Paris)** 1984 Mar;32(3):177–81 (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

In vitro activities of new beta–lactam antibiotics against Acinetobacter spp. Garcia I, et al. **Antimicrob Agents Chemother** 1983 Aug;24(2):297–9

Metabolic and ultrastructural response to glucose of two eurytrophic bacteria isolated from seawater at different enriching concentrations. Baxter M, et al. **Appl Environ Microbiol** 1984 Jan;47(1):31–8

Pseudomonas aeruginosa and Acinetobacter calcoaceticus: in vitro susceptibility of 150 clinical isolates to five beta–lactam antibiotics and tobramycin. Dibb WL, et al. **Chemotherapy** 1983;29(5):332–6

[Comparative in vitro activity of 6 recent beta–lactams against hospital strains of Acinetobacter calcoaceticus: role of the monobactam SQ 26,776] Joly–Guillou ML, et al. **Pathol Biol (Paris)** 1983 May;31(5):392–5 (Eng. Abstr.) **(Fre)**

[Comparison of antibacterial activities of cephalosporins] Kayser FH, et al. **Schweiz Med Wochenschr** 1984 Feb 4; 114(5):156–61 (Eng. Abstr.) **(Ger)**

[3 cases of sepsis with drug resistant Acinetobacter anitratus] Yoshioka A, et al. **Kansenshogaku Zasshi** 1983 Sep; 57(9):828–34 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

p–Chloromercuribenzoate specifically modifies thiols associated with the active sites of beta–ketoadipate enol–lactone hydrolase and succinyl CoA: beta–ketoadipate CoA transferase. Yeh WK, et al. **Arch Microbiol** 1984 Jun; 138(2):102–5

Purification and properties of a plasmid–encoded 2,4–dichlorophenol hydroxylase. Liu T, et al. **FEBS Lett** 1984 Aug 6;173(2):314–8

Modulation of isocitrate dehydrogenase activity in Acinetobacter calcoaceticus by acetate. Reeves HC, et al. **FEBS Lett** 1983 Nov 14;163(2):265–8

The absence of quinoprotein alcohol dehydrogenase in Acinetobacter calcoaceticus. Beardmore–Gray M, et al. **J Gen Microbiol** 1983 Oct;129 (Pt 10):2979–83

Regulation of expression of novel mandelate dehydrogenases in mutants of Acinetobacter calcoaceticus. Hills CA, et al. **J Gen Microbiol** 1983 Jul;129 (Pt 7):2009–15

GENETICS

Insertional specificity of transposon Tn5 in Acinetobacter sp. Singer JT, et al. **J Bacteriol** 1984 Feb;157(2):607–11

Transferable plasmid–mediated antibiotic resistance in Acinetobacter. Goldstein FW, et al. **Plasmid** 1983 Sep; 10(2):138–47

Factors affecting quantitative transformation of streptomycin resistance markers in Acinetobacter calcoaceticus. Bergan T, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Apr; 254(2):197–213

IMMUNOLOGY

Immunologically related ketodeoxyoctonate–containing structures in Chlamydia trachomatis, Re mutants of Salmonella species, and Acinetobacter calcoaceticus var. anitratus. Nurminen M, et al. **Infect Immun** 1984 Jun; 44(3):609–13

ISOLATION & PURIFICATION

Longitudinal analysis of endemic gentamicin– and

tobramycin–resistant gram–negative bacilli in a community hospital. Magnussen CR, et al. **Infect Control** 1984 Feb; 5(2):88–92

Acinetobacter contamination of laboratory dental pumice. Williams HN, et al. **J Dent Res** 1983 Oct;62(10):1073–5

[Bacteria of the Acinetobacter genus in intestinal dysbacteriosis] Zubkov MN. **Lab Delo** 1983;(7):6–9 **(Rus)**

[Isolation of the L forms of Acinetobacter calcoaceticus var. Lwoffii in infectious endocarditis] Zubkov MN, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Jun;(6):27–9 (Eng. Abstr.) **(Rus)**

METABOLISM

The contribution of leukocytes and bacteria to the low pH of empyema fluid. Sahn SA, et al. **Am Rev Respir Dis** 1983 Nov;128(5):811–5

Development and evaluation of a coculture technique for identification of anaerobic organisms. Hussain Z, et al. **J Clin Microbiol** 1984 Feb;19(2):215–7

PHYSIOLOGY

Not gliding but twitching motility of Acinetobacter calcoaceticus [letter] Henrichsen J. **J Clin Pathol** 1984 Jan; 37(1):102–3

RADIATION EFFECTS

Effect of physiological age on radiation resistance of some bacteria that are highly radiation resistant. Keller LC, et al. **Appl Environ Microbiol** 1984 May;47(5):915–8

ACINETOBACTER INFECTIONS

DRUG THERAPY

Prospective evaluation of moxalactam therapy for gram–negative bacillary meningitis. Rahal JJ Jr, et al. **J Infect Dis** 1984 Apr;149(4):562–7

IMMUNOLOGY

Bacteria–immune system interactions. II. Adherence of Acinetobacter calcoaceticus strains to human lymphocytes. Kleinman R, et al. **Immunol Commun** 1983 Oct;12(5):473–80

MICROBIOLOGY

[Clinical importance of Acinetobacter calcoaceticus isolations from blood and venous catheters] Hoppe M, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Nov; 256(1):80–6 (Eng. Abstr.) **(Ger)**

[3 cases of sepsis with drug resistant Acinetobacter anitratus] Yoshioka A, et al. **Kansenshogaku Zasshi** 1983 Sep; 57(9):828–34 (Eng. Abstr.) **(Jpn)**

[Isolation of the L forms of Acinetobacter calcoaceticus var. Lwoffii in infectious endocarditis] Zubkov MN, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Jun;(6):27–9 (Eng. Abstr.) **(Rus)**

OCCURRENCE

A decade of nosocomial Acinetobacter. Larson E. **Am J Infect Control** 1984 Feb;12(1):14–8

Acinetobacter calcoaceticus infection in and around manipal (Karnataka). Kulachandra Singh M, et al. **Indian J Pathol Microbiol** 1983 Jan;26(1):7–13

ACIPHENOCHINOLIUM see **CINCHOPHEN**

ACNE

BLOOD

Circulating androgens in male acne. van der Meeren HL, et al. **Br J Dermatol** 1984 May;110(5):609–11

Androgen status in women with late onset or persistent acne vulgaris. Darley CR, et al. **Clin Exp Dermatol** 1984 Jan; 9(1):28–35

Effects of isotretinoin on the neutrophil chemotaxis in cystic acne. Pigatto PD, et al. **Dermatologica** 1983;167(1):16–8

Acne and hyperandrogenism. Held BL, et al. **J Am Acad Dermatol** 1984 Feb;10(2 Pt 1):223–6

Testosterone, dehydroepiandrosterone, and dehydroepiandrosterone sulfate in hyperandrogenic women. Steinberger E, et al. **J Clin Endocrinol Metab** 1984 Sep;59(3):471–7

Excess circulating androgen levels in the pathogenesis of acne [letter] Drucker D, et al. **J Invest Dermatol** 1984 Jan; 82(1):112

[Effect of testosterone on the skin and its appendages] Ebling FJ. **Z Gesamte Inn Med** 1983 Aug 1;38(15):398–401 (Eng. Abstr.) **(Ger)**

CHEMICALLY INDUCED

Health status of workers with past exposure to 2,3,7,8–tetrachlorodibenzo–p–dioxin in the manufacture of 2,4,5–trichlorophenoxyacetic acid: comparison of findings with and without chloracne. Moses M, et al. **Am J Ind Med** 1984;5(3):161–82

Decreased induction of aryl hydrocarbon hydroxylase activity in hyperproliferative hairless mouse epidermis. Puhvel SM, et al. **Br J Dermatol** 1984 Jan;110(1):29–35

Acne and anticonvulsants. Greenwood R, et al. **Br Med J [Clin Res]** 1983 Dec 3;287(6406):1669–70

Fume inhalation chloracne. Sehgal VN, et al. **Dermatologica** 1983;167(1):33–6

Comedogenicity of current therapeutic products, cosmetics, and ingredients in the rabbit ear. Fulton JE Jr, et al. **J Am Acad Dermatol** 1984 Jan;10(1):96–105

Comedogenicity of cosmetics [letter] Levy SB. **J Am Acad Dermatol** 1984 Jun;10(6):1072

Unilateral steroid acne on the paralyzed side of the face. Tagami H. **J Dermatol (Tokyo)** 1983 Jun;10(3):281–2

Past and current dermatological status of Yusho patients. Urabe H, et al. **Prog Clin Biol Res** 1984;137:5–11

[Acneiform exanthema caused by azathioprine] Schmoeckel C, et al. **Hautarzt** 1983 Aug;34(8):413–5 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Acne fulminans—report of a case with polyarthritis. Statham BN, et al. **Clin Exp Dermatol** 1983 Jul;8(4):401–4

Squamous cell carcinoma arising in acne conglobata. Camisa C. **Cutis** 1984 Feb;33(2):185–7, 190

[Erosive sternoclavicular and manubriosternal arthritis in the rheumatism of acne conglobata. Relation to reactive arthritis] Kaplan G, et al. **Rev Rhum Mal Osteoartic** 1983 Dec;50(12):817–9 **(Fre)**

DRUG THERAPY

The retinoids in acne. Bushnell DE, et al. **Am Fam Physician** 1984 Mar;29(3):221–6

Topical erythromycin v clindamycin therapy for acne. A multicenter, double–blind comparison. Shahlita AR, et al. **Arch Dermatol** 1984 Mar;120(3):351–5

Nonhealing erosions with granulation tissue in the treatment of acne lesions during isotretinoin therapy [letter] Spear KL, et al. **Arch Dermatol** 1984 Sep;120(9):1142

13–cis–retinoic acid in conglobate acne. A follow–up study of 14 trial centers. Hennes R, et al. **Arch Dermatol Res** 1984;276(4):209–15

Use and abuse of Accutane, Roche [13–cis retinoic acid isotretinoin] in acne vulgaris—a personal perspective. Hansen RC. **Ariz Med** 1983 Jul;40(7):459–62

Acne vulgaris in adolescence. Shapiro SC. **Ariz Med** 1984 Feb;41(2):98–100

A dose–response investigation of a benzoyl peroxide wash in the treatment of acne—a laboratory study. Brummitt LC, et al. **Br J Clin Pract** 1984 Apr;38(4):139–40

Oral spironolactone improves acne vulgaris and reduces sebum excretion. Goodfellow A, et al. **Br J Dermatol** 1984 Aug;111(2):209–14

Inflammatory responses in acne patients treated with 13–cis–retinoic acid (isotretinoin). Holland DB, et al. **Br J Dermatol** 1984 Mar;110(3):343–5

Remission rates in acne patients treated with various doses of 13–cis–retinoic acid (isotretinoin) [letter] Jones DH, et al. **Br J Dermatol** 1984 Jul;111(1):123–5

Dose–response relationship of sebum suppression by 13–cis–retinoic acid in severe acne [letter] Jones DH, et al. **Br J Dermatol** 1983 Sep;109(3):366–7

Effect of low dose cyproterone acetate on the response of acne to isotretinoin. Marsden JR, et al. **Br J Dermatol** 1984 Jun;110(6):697–702

The effect of azelaic acid on acne [letter] Marsden JR, et al. **Br J Dermatol** 1983 Dec;109(6):723–4

Topical benzoyl peroxide increases the sebum excretion rate [letter] Pierard–Franchimont C, et al. **Br J Dermatol** 1984 Apr;110(4):506

The mode of action of ethyl lactate as a treatment for acne. Prottey C, et al. **Br J Dermatol** 1984 Apr;110(4):475–85

Comparison of topical clindamycin phosphate, benzoyl peroxide, and a combination of the two for the treatment of acne vulgaris. Tucker SB, et al. **Br J Dermatol** 1984 Apr;110(4):487–92

Acne conglobata responding to buserelin, a gonadotrophin–releasing hormone analogue. Waxman J, et al. **Br J Dermatol** 1983 Dec;109(6):679–81

Accutane [letter] Henderson IW, et al. **Can Med Assoc J** 1983 Oct 1;129(7):682

Severe vascular spasm due to erythromycin–ergotamine interaction. Francis H, et al. **Clin Rheumatol** 1984 Jun; 3(2):243–6

Therapeutic rounds at The Milton S. Hershey Medical Center. Schneck DW. **Clin Ther** 1983;5(5):461, 558–9

Acne: an approach to therapy for the pediatrician. Tunnessen WW Jr. **Curr Probl Pediatr** 1984 May;14(5):1–36 (39 ref.)

Motretinide versus benzoyl peroxide in the treatment of acne vulgaris. Lassus A, et al. **Dermatologica** 1984; 168(4):199–201

Dose–response relationship in isotretinoin therapy for conglobate acne. van der Meeren HL, et al. **Dermatologica** 1983;167(6):299–303

Isotretinoin. A review of its pharmacological properties and therapeutic efficacy in acne and other skin disorders. Ward A, et al. **Drugs** 1984 Jul;28(1):6–37 (157 ref.)

Isotretinoin (Accutane) for the management of severe nodulocystic acne. Strauss JS. **Iowa Med** 1984 Apr; 74(4):170–2

A double–blind study of the effectiveness of a 3% erythromycin and 5% benzoyl peroxide combination in the treatment of acne vulgaris. Chalker DK, et al. **J Am Acad Dermatol** 1983 Dec;9(6):933–6

Usefulness of ampicillin in the treatment of acne vulgaris [letter] Lane PR. **J Am Acad Dermatol** 1984 Apr;10(4):673

Isotretinoin treatment of acne and related disorders: an update. Shalita AR, et al. **J Am Acad Dermatol** 1983 Oct; 9(4):629–38 (8 ref.)

Usefulness of ampicillin in treatment of acne vulgaris [letter] Shore RN. **J Am Acad Dermatol** 1983 Oct;9(4):604–5

Isotretinoin therapy for acne: results of a multicenter dose–response study. Strauss JS, et al. **J Am Acad Dermatol** 1984 Mar;10(3):490–6

Acne treatment with topical erythromycin and zinc: effect of Propionibacterium acnes and free fatty acid composition. Strauss JS, et al. **J Am Acad Dermatol** 1984 Jul;11(1):86–9

Tanshinone in the treatment of acne. Wang DB. **J Tradit Chin Med** 1983 Sep;3(3):227–8

Hypercalcemia associated with oral isotretinoin in the treatment of severe acne. Valentic JP, et al. **JAMA** 1983 Oct 14;250(14):1899–900

Cyclic cyproterone/ethinyloestradiol in acne [letter] Bye P. **Lancet** 1983 Oct 15;2(8355):910–1

Cyclic cyproterone/ethinyloestradiol for acne [letter] Greenwood R, et al. **Lancet** 1983 Oct 1;2(8353):796

High–chromium yeast for acne? McCarty M. **Med Hypotheses** 1984 Jul;14(3):307–10

Update on isotretinoin (Accutane) for acne. **Med Lett Drugs Ther** 1983 Nov 25;25(649):105–6

Acne and accutane. Burton CS, et al. **NC Med J** 1984 Aug; 45(8):513

Systemic treatment of severe acne with a retinoic acid derivative, isotretinoin. Wishart JM. **NZ Med J** 1984 Feb 22;97(750):115–7

Pigmented conjunctival cysts following tetracycline/minocycline therapy. Histochemical and electron microscopic observations. Messmer E, et al. **Ophthalmology** 1983 Dec;90(12):1462–8

Superdose vitamin A therapy for acne poses hazards. **Postgrad Med** 1984 Jan;75(1):39, 42

[Topical antibiotics in acne?] van der Meeren HL, et al. **Ned Tijdschr Geneeskd** 1984 Jul 7;128(27):1281–4 (52 ref.) **(Dut)**

[The treatment of acne conglobata using 13–cis–retinoic acid (isotretinoin)] van der Schroeff JG, et al. **Ned Tijdschr Geneeskd** 1983 Oct 8;127(41):1857–62 (Eng. Abstr.) **(Dut)**

[Antiandrogens and acne] Aron–Brunetière R, et al. **Ann Dermatol Venereol** 1984;111(3):249–56 (Eng. Abstr.) **(Fre)**

[Cyproterone acetate (2 mg) controversy (letter)] Bercovici JP, et al. **Ann Dermatol Venereol** 1984;111(1):73–4 **(Fre)**

[Cimetidine, new treatment of acne in women? (letter)] Caron P, et al. **Presse Med** 1983 Nov 19;12(42):2695–6 **(Fre)**

[Treatment of acne vulgaris with an erythromycin solution: multicenter study] Gilardi S. **Rev Med Suisse Romande** 1984 Apr;104(4):297–301 **(Fre)**

[Treatment of acne with orally administered isotretinoin. Clinical study of 56 patients.] Harms M. **Schweiz Med Wochenschr** 1983 Oct 22;113(42):1549–54 (Eng. Abstr.) **(Fre)**

[Suppression of inflammation in acne vulgaris by topical erythromycin in alcoholic solution] Hellgren L, et al. **Dermatol Monatsschr** 1983;169(11):702–5 (Eng. Abstr.) **(Ger)**

[Medium–dose oral cyproterone acetate therapy in women with moderate androgenization. Results of a multicenter double–blind study] Moltz L, et al. **Geburtshilfe Frauenheilkd** 1984 Jan;44(1):47–52 (Eng. Abstr.) **(Ger)**

[Oral treatment of acne conglobata using 13–cis–retinoic acid. Results of the German multicentric study following 24 weeks of treatment] Meigel W, et al. **Hautarzt** 1983 Aug; 34(8):387–97 (Eng. Abstr.) **(Ger)**

[Miconazole–benzoyl peroxide: a new combination for extending the topical therapy of acne] Fanta D, et al. **Z Hautkr** 1984 Jul 1;59(13):873–81 (Eng. Abstr.) **(Ger)**

[Experiences in dermatologic practice with combined external treatment of acne with benzoyl peroxide and erythromycin] Gerny H. **Z Hautkr** 1984 Jul 1;59(13):888–93 (Eng. Abstr.) **(Ger)**

[Treatment of acne vulgaris. Double–blind study of a combination of 5% benzoyl peroxide/2% miconazole (Acnidazil) and tretinoin 0.05%] Kavli G, et al. **Z Hautkr** 1984 Jul 1;59(13):882–7 (Eng. Abstr.) **(Ger)**

[13–cis–retinoic acid—an effective therapy for acne conglobata] Schmidt JB, et al. **Z Hautkr** 1984 Mar 1; 59(5):279–87 (Eng. Abstr.) **(Ger)**

[Estriol skin effects—clinical, hormonal and sebum parameters in female acne patients] Schmidt JB, et al. **Z Hautkr** 1983 Sep 1;58(17):1228–41 (Eng. Abstr.) **(Ger)**

[Skin lipids in 13–cis–retinoic acid therapy of acne] Schmidt JB, et al. **Z Hautkr** 1983 Dec 15;58(24):1743–53 (Eng. Abstr.) **(Ger)**

[External erythromycin therapy of acne] Schmidt JB, et al. **Z Hautkr** 1983 Dec 15;58(24):1754–60 (Eng. Abstr.) **(Ger)**

[Cimetidine in the treatment of cystic–nodular acne (letter)] Crovato F, et al. **G Ital Dermatol Venereol** 1982 Mar–Apr; 117(2):130 **(Ita)**

[Treatment of acne with lose–dose josamycin] Landi G, et al. **G Ital Dermatol Venereol** 1983 Sep–Oct; 118(5):XLV–XLVI (Eng. Abstr.) **(Ita)**

[Therapy of seborrhea, seborrheic eczema and acne with a soap with a mesulfen base] Leoni A, et al.

G Ital Dermatol Venereol 1983 Mar-Apr; 118(2):XXI-XXIV (Eng. Abstr.) (Ita)

[Experience with a new combined preparation (benzoylperoxide plus miconazole nitrate) in the topical therapy of acne] Spagnoli U, et al. G Ital Dermatol Venereol 1983 Sep-Oct;118(5):XLVII-L (Eng. Abstr.) (Ita)

[Isotretinoin (Roaccutan). A new drug against severe acne] Austad J, et al. Tidsskr Nor Laegeforen 1984 Aug 30; 104(24):1639-41 (Nor)

[Pathogenesis and treatment of spherical acne] Igoshin IuG, et al. Vestn Dermatol Venerol 1983 Sep;(9):50-2 (Eng. Abstr.) (Rus)

ENZYMOLOGY

Erythrocyte glutathione peroxidase activity in acne vulgaris and the effect of selenium and vitamin E treatment. Michaëlsson G, et al. Acta Derm Venereol (Stockh) 1984; 64(1):9-14

Transglutaminase activity in human and rabbit ear comedogenesis: a histochemical study. De Young L, et al. J Invest Dermatol 1984 Mar;82(3):275-9

ETIOLOGY

Acne vulgaris and hidradenitis suppurativa as presenting features of acromegaly. Chalmers RJ, et al. Br Med J [Clin Res] 1983 Nov 5;287(6402):1346-7

Bacteriology and acne. Parish LC, et al. Int J Dermatol 1984 Jan-Feb;23(1):36-7

[A special type of mechanical acne: fiddler's neck dermatitis] Brun P, et al. Ann Dermatol Venereol 1984;111(3):241-5 (Eng. Abstr.) (Fre)

[Zinc in skin diseases] Kozłowska A. Przegl Dermatol 1983 May-Jun;70(3):311-6 (38 ref.) (Pol)

[Role of zinc in the pathogenesis and treatment of acne vulgaris] Sergeev VP, et al. Vestn Dermatol Venerol 1983 Sep;(9):14-7 (Eng. Abstr.) (Rus)

FAMILIAL & GENETIC

Acne fulminans with arthritis in identical twins treated with isotretinoin. Darley CR, et al. J R Soc Med 1984 Apr; 77(4):328-30

IMMUNOLOGY

An immunological mechanism for the reduced incidence of malignant melanoma in patients with acne? [letter] Paslin DA. Br J Dermatol 1984 Jan;110(1):124-5

Benzoyl peroxide reactions in acne patients. Balato N, et al. Contact Dermatitis 1984 Apr;10(4):255

[Latex-phagocytizing ability of neutrophils in patients with severe seborrheic dermatoses] Dabrowska-Widera J. Przegl Dermatol 1984 Jan-Feb;71(1):17-21 (Eng. Abstr.) (Pol)

[Evaluation of the chemotactic capacity of polymorphonuclear granulocytes in severe seborrheic dermatoses] Dąbrowska-Widera J. Przegl Dermatol 1983 Mar-Apr;70(2):133-7 (Eng. Abstr.) (Pol)

METABOLISM

Topical benzoyl peroxide increases the sebum excretion rate in patients with acne. Cunliffe WJ, et al. Br J Dermatol 1983 Nov;109(5):577-9

Suppression of sebum secretion with 13-cis-retinoic acid: effect on individual skin surface lipids and implications for their anatomic origin. Stewart ME, et al. J Invest Dermatol 1984 Jan;82(1):74-8

[Androgen excess in acne conglobata? (letter)] Sterry W. Dtsch Med Wochenschr 1983 Oct 7;108(40):1537-8 (Ger)

[Hormonal interaction of androgen and estrogen receptors in normal skin and in acne] Schmidt JB, et al. Z Hautkr 1983 Sep 1;58(17):1219-27 (Eng. Abstr.) (Ger)

[Lipid content and acidity of the skin surface in patients with juvenile acne treated with tetracycline] Skwarczyńska-Banyś E, et al. Przegl Dermatol 1983 Jul-Aug;70(4):413-5 (Eng. Abstr.) (Pol)

OCCURRENCE

Epidemiology of acne vulgaris. Pandey SS. Indian J Dermatol 1983 Jul;28(3):109-10

PATHOLOGY

The acneform eruption of Apert's syndrome is not acne vulgaris. Steffen C. Am J Dermatopathol 1984 Jun; 6(3):213-20

The assessment of acne vulgaris—the Leeds technique. Burke BM, et al. Br J Dermatol 1984 Jul;111(1):83-92

Assessing inflammatory acne vulgaris—correlation between clinical and photographic methods. Gibson JR, et al. Br J Dermatol 1984 Jul;111 Suppl 27:168-70

Acneiform eruption on the legs. Neuman K, et al. Cutis 1984 Apr;33(4):390, 392

[Acne fulminans] Torres Peris V, et al. Ann Dermatol Venereol 1983;110(4):351-4 (Fre)

[Acne fulminans] Kalamkarian AA, et al. Vestn Dermatol Venerol 1984 Jul;(7):34-7 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

Fibrin microclot formation in patients with acne. Juhlin L, et al. Acta Derm Venereol (Stockh) 1983;63(6):538-40

Indirect evidence that the action of cyproterone acetate on the skin is due to a metabolite. Lyons F, et al. Clin Endocrinol (Oxf) 1983 Jul;19(1):53-5

[Acne vulgaris—pathogenesis, clinical picture and therapy] Wiedey KD. Med Monatsschr Pharm 1983 Oct;6(10):290-6 (Ger)

[The menstrual cycle and serum hormone levels in female patients with acne] Takahashi K. Nippon Hifuka Gakkai Zasshi 1984 Apr;94(5):551-6 (Jpn)

RADIOTHERAPY

Thyroid abnormalities in patients previously treated with irradiation for acne vulgaris. Thomson DB, et al. South Med J 1984 Jan;77(1):21-3

SURGERY

[Results of multiple surgical therapy in pronounced acne conglobata] Priesack W, et al. Chirurg 1984 May; 55(5):343-6 (Eng. Abstr.) (Ger)

THERAPY

Doctor, do I have acne? Jillson OF. Cutis 1984 Jul;34(1):27-9, 31

Sebo-suction—an effective adjunctive treatment for comedone acne. Pierce HE. J Dermatol Surg Oncol 1983 Dec;9(12):955

Acne. Matsuoka LY. J Pediatr 1983 Dec;103(6):849-54

[Therapeutic approach in acne] de la Brassinne M. Rev Med Liege 1984 Apr 15;39(8):305-7 (Fre)

ACNE KELOID see under FOLLICULITIS

ACNE ROSACEA see ROSACEA

ACOCANTHERIN see OUABAIN

ACOMYS see MURIDAE

ACONITASE see ACONITATE HYDRATASE

ACONITATE HYDRATASE

ANTAGONISTS & INHIBITORS

Inhibition by aconitine of aconitase of pig heart. Hernanz A, et al. Comp Biochem Physiol [C] 1983;76(2):335-8

BIOSYNTHESIS

2-Ketoglutarate and the regulation of aconitase and histidase formation in Bacillus subtilis. Fisher SH, et al. J Bacteriol 1984 Apr;158(1):379-82

Incorporation of [35S]sulfide into the Fe-S cluster of aconitase. Kennedy MC, et al. J Biol Chem 1984 Mar 10; 259(5):3145-51

ISOLATION & PURIFICATION

Molecular weight of beef heart aconitase and stoichiometry of the components of its iron-sulfur cluster. Rydén L, et al. J Biol Chem 1984 Mar 10;259(5):3141-4

METABOLISM

Molecular forms of aconitase and their interconversions. Ramsay RR, et al. Biochem J 1984 Jul 15;221(2):489-97

Characterization of the Fe-S cluster in aconitase using low temperature magnetic circular dichroism spectroscopy. Johnson MK, et al. J Biol Chem 1984 Feb 25;259(4):2274-82

Resonance Raman studies of beef heart aconitase and a bacterial hydrogenase. Johnson MK, et al. J Biol Chem 1983 Nov 10;258(21):12771-4

ACONITE

The effects of Radix Aconiti Praeparata on acute myocardial ischemia, left ventricular function and hemodynamics in anesthetized dogs. Shi S, et al. J Tradit Chin Med 1983 Sep;3(3):189-92

ANALOGS & DERIVATIVES

Cardiovascular changes produced by the injection of aconitine at the area of the locus coeruleus in unanesthetized rats. Perlman R, et al. Arch Int Pharmacodyn Ther 1984 Apr;268(2):202-15

Inhibition by aconitine of aconitase of pig heart. Hernanz A, et al. Comp Biochem Physiol [C] 1983;76(2):335-8

Effects of aconitine and veratrine on the isolated perfused heart of the common eel (Anguilla anguilla L.). Pennec JP, et al. Comp Biochem Physiol [C] 1984;77(2):367-9

Mechanism of analgesic action of mesaconitine. I. Relationship between analgesic effect and central monoamines or opiate receptors. Murayama M, et al. Eur J Pharmacol 1984 May 18;101(1-2):29-36

Effects of local anesthetics, tetrodotoxin, aconitine and verapamil on the mechanoreceptors of isolated frog heart. Kontani H, et al. Jpn J Pharmacol 1983 Jun;33(3):503-13

[Effects of dielsin B on nerve-muscle preparations] Shi YL, et al. Chung Kuo Yao Li Hsueh Pao 1983 Sep;4(3):166-9 (Eng. Abstr.) (Chi)

[Anti-inflammatory effect of 3-acetylaconitine] Tang XC, et al. Chung Kuo Yao Li Hsueh Pao 1984 Jun;5(2):85-9 (Eng. Abstr.) (Chi)

[Pharmacologic actions of lappaconitine hydrobromide] Tang XC, et al. Yao Hsueh Hsueh Pao 1983 Aug;18(8):579-84 (Eng. Abstr.) (Chi)

ANALYSIS

[High performance liquid chromatographic determination of the main alkaloids in aconite] Wang MZ, et al. Yao Hsueh Hsueh Pao 1983 Sep;18(9):689-94 (Eng. Abstr.) (Chi)

[Biological investigation and chemical analysis of big aconite and vine aconites] Wang MZ, et al. Yao Hsueh Hsueh Pao 1983 Dec;18(12):929-33 (Eng. Abstr.) (Chi)

PHARMACODYNAMICS

Gating and selectivity of aconitine-modified sodium channels in neuroblastoma cells. Grishchenko II, et al. Neuroscience 1983 Jul;9(3):549-54

ACONITIC ACID see under TRICARBOXYLIC ACIDS

ACONITINE see under ACONITE

ACOUSTIC IMPEDANCE TESTS

Tympanometry and secretory otitis media. Observations on diagnosis, epidemiology, treatment, and prevention in prospective cohort studies of three-year-old children. Fiellau-Nikolajsen M. Acta Otolaryngol [Suppl] (Stockh) 1983;394:1-73

Practical tympanometry and stapedial reflex testing in office practice. Baldwin RL, et al. Ala Med 1983 Dec;53(6):8-13

Mastoid pneumatization. Evidence of the environmental theory. Tos M, et al. Arch Otolaryngol 1984 Aug; 110(8):502-7

Acoustic admittance measurements in human temporal bones. Roberto M, et al. Audiology 1983 Sep-Oct;22(5):438-50

Anaesthesia and tympanometry. Drake-Lee AB, et al. Int J Pediatr Otorhinolaryngol 1983 Nov;6(2):171-8

Tympanometry and middle ear effusion: a cohort-study in three-year-old children. Fiellau-Nikolajsen M. Int J Pediatr Otorhinolaryngol 1980 Apr;2(1):39-49

Tympanometric findings in young infants with middle ear effusion: some further observations. Schwartz DM, et al. Int J Pediatr Otorhinolaryngol 1980 Apr;2(1):67-72

Effects of perilymph viscosity on low-frequency intracochlear pressures and the cochlear input impedance of the cat. Koshigoe S, et al. J Acoust Soc Am 1983 Aug; 74(2):486-92

The effects of halothane-and-oxygen anesthesia, and of halothane-nitrous oxide-and-oxygen anesthesia on tympanograms in the dog. Kitzman JV, et al. J Aud Res 1982 Apr;22(2):87-92

Middle ear disease assessed by impedance in primary school children in south London. Portoian-Shuhaiber S, et al. Lancet 1984 May 19;1(8386):1111-2

Acoustic reflex testing in otoneurology. Clemis JD. Otolaryngol Head Neck Surg 1984 Apr;92(2):141-4

Audiologic screening of seven- and ten-year-old children. Gimsing S, et al. Scand Audiol 1983;12(3):171-7

[Tympanometric findings in otosclerosis] Hofman V, et al. Cesk Otolaryngol 1983 Jul;32(5):294-8 (Eng. Abstr.) (Cze)

[Tympanometry and myringotomy findings in secretory otitis media] Gimsing S. Ugeskr Laeger 1983 Dec 5; 145(49):3816-8 (Eng. Abstr.) (Dan)

[Detection of seromucous otitis in school by tympanometry. What should be considered?] Gersdorff M, et al. J Fr Otorhinolaryngol 1984 Jun;33(6):291-7 (Fre)

[Effects of adenoidectomy on middle ear function: 1 year follow-up using tympanometry] Martini A, et al. Acta Otorhinolaryngol Ital 1984 Mar-Apr;4(2):139-49 (Eng. Abstr.) (Ita)

[Tympanometry as an objective method of evaluating conditions of the middle ear in flight personnel] Sagnelli M, et al. Riv Med Aeronaut Spaz 1982 Jan-Dec; 47(1-4):267-73 (Eng. Abstr.) (Ita)

[Possibilities of impedance tests in perforative otitis media] Dolgikh VT. Vestn Otorinolaringol 1983 Nov-Dec; (6):17-20 (Eng. Abstr.) (Rus)

[Personal experience in the use of tympanometry in the diagnosis of middle ear diseases] Lučić M. Vojnosanit Pregl 1984 Jan-Feb;41(1):19-22 (Scr)

[Evaluation of impedance tube tests in the closed tympanum] Zaatari B. An Otorrinolaringol Ibero Am 1983;10(4):319-26 (Eng. Abstr.) (Spa)

INSTRUMENTATION

Through the mould audiometry (TTM)—implications for an improved hearing aid fitting method. Penney SJ, et al. Br J Audiol 1984 May;18(2):97-104

A probe earmold system for measuring eardrum SPL under hearing-aid conditions. Gilman S, et al. Scand Audiol 1984; 13(1):15-22

High speed tympanometry and ipsilateral middle ear reflex measurements using a computerized impedance meter. A comparison with the results obtained by a conventional impedance meter. Ivarsson A, et al. Scand Audiol 1983;

12(3):157–63

METHODS

Tympanometry and fistula test. Causse JR, et al. **Audiology** 1983 Sep–Oct;22(5):451–62

Sweep-frequency tympanometry: its development and diagnostic value. Funasaka S, et al. **Audiology** 1984; 23(4):366–79

Transcranial conduction of acoustic-reflex-eliciting signals. Thompson DJ, et al. **Audiology** 1984;23(1):9–26

Effects of rate of air pressure change on tympanometry. Feldman RM, et al. **Ear Hear** 1984 Mar–Apr;5(2):91–5

The use of impedance measurements in the diagnosis of serous otitis media. Ferrer HP. **Int J Pediatr Otorhinolaryngol** 1983 Jul;5(3):243–50

Detection of middle ear effusion by acoustic reflectometry. Teele DW, et al. **J Pediatr** 1984 Jun;104(6):832–8

Aural acoustic-immittance measures: a reply to de Jonge [letter] Wilson RH, et al. **J Speech Hear Disord** 1982 Aug; 47(3):334–5

Tympanometric changes at 226 Hz and 678 Hz across 10 trials and for two directions of ear canal pressure change. Wilson RH, et al. **J Speech Hear Res** 1984 Jun;27(2):257–66

Mathematical description of tympanometric data. Iandolo A, et al. **Rev Laryngol Otol Rhinol (Bord)** 1983;104(3):263–5

[High frequency tympanometry] Hay IS. **S Afr J Commun Disord** 1983;30:10–3 **(Afr)**

STANDARDS

Reliability of a measure of eustachian tube function in normal subjects. Spitzer JB, et al. **Ann Otol Rhinol Laryngol** 1984 Jan–Feb;93(1 Pt 1):48–51

Evaluation of tympanometry in diagnosis and treatment of otitis media of the newborn and of the infant. Pestalozza G, et al. **Int J Pediatr Otorhinolaryngol** 1980 Apr;2(1):73–82

ACOUSTIC NERVE

Disabling positional vertigo. Jannetta PJ, et al. **N Engl J Med** 1984 Jun 28;310(26):1700–5

[Total removal of acoustic tumor with preservation of facial and acoustic nerves] Zhang WC. **Chung Hua Wai Ko Tsa Chih** 1983 Dec;21(12):754–7 (Eng. Abstr.) **(Chi)**

[Initial experience with microsurgery of tumors of the 8th cranial nerve] Zvěřina E, et al. **Cesk Neurol Neurochir** 1983 Sep;46(5):287–92 (Eng. Abstr.) **(Cze)**

[Diagnosis of small acoustic tumors by air CT cisternography] Yagishita A, et al. **Neurol Med Chir (Tokyo)** 1983 Jun;23(6):441–6 (Eng. Abstr.) **(Jpn)**

[Diagnosis of acoustic nerve neoplasms] Komatsuzaki A. **Nippon Jibiinkoka Gakkai Kaiho** 1983 Jun 20;86(6):708–11 **(Jpn)**

ANATOMY & HISTOLOGY

The ascending connections of the torus semicircularis central nucleus in Chrysemys scripta elegans. Browner RH. **Hear Res** 1983 Oct;12(1):139–43

Auditory brainstem anomalies in albino cats: II. Neuronal atrophy in the superior olive. Conlee JW, et al. **J Comp Neurol** 1984 May 1;225(1):141–8

Morphometry of intracellularly labeled neurons of the auditory nerve: correlations with functional properties. Liberman MC, et al. **J Comp Neurol** 1984 Feb 20; 223(2):163–76

Central projections of the lateral line nerves in the shovelnose sturgeon. New JG, et al. **J Comp Neurol** 1984 May 1; 225(1):129–40

Quantitative light and scanning electron microscopic study of the developing auditory organs in the bullfrog: implications on their functional characteristics. Shofner WP, et al. **J Comp Neurol** 1984 Mar 20;224(1):141–54

The origin of centrifugal inner ear fibers of gymnophions (amphibia). A horseradish peroxidase study. Fritzsch B, et al. **Neurosci Lett** 1984 May 4;46(2):131–6

The auditory brainstem nuclei and some of their projections to the inferior colliculus in the North American opossum. Willard FH, et al. **Neuroscience** 1983 Dec;10(4):1203–32

Cochlear and vestibular gross and histologic anatomy (as seen from postauricular approach). Silverstein H. **Otolaryngol Head Neck Surg** 1984 Apr;92(2):207–11

DRUG EFFECTS

An experimental study of the effects of lead acetate on hearing. Cochlear microphonics and action potential of the guinea pig. Yamamura K, et al. **Toxicol Lett** 1984 Apr; 21(1):41–7

EMBRYOLOGY

Development of the embryonic chick's statoacoustic ganglion. Fermin CD, et al. **Acta Otolaryngol (Stockh)** 1984 Jul–Aug;98(1–2):42–52

ENZYMOLOGY

Immunocytochemical localization of glutaminase-like immunoreactivity in the auditory nerve. Altschuler RA, et al. **Brain Res** 1984 Jan 16;291(1):173–8

METABOLISM

Muscarinic receptors in the cochlear nucleus and auditory nerve of the guinea pig. Whipple MR, et al. **J Neurochem** 1984 Jul;43(1):192–8

PATHOLOGY

Magnetic resonance imaging of the internal auditory canal. Daniels DL, et al. **Radiology** 1984 Apr;151(1):105–8

PHYSIOLOGY

Chronic electrical stimulation of the auditory nerve in cats. Physiological and histopathological results. Shepherd RK, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1983;399:19–31

New insights in the evaluation of cochlear impairment. Davis H. **Ann Otol Rhinol Laryngol [Suppl]** 1984 Jul–Aug; 112:74–5

Click-evoked gross potentials and single-unit thresholds in acoustically traumatized cats. Pettigrew AM, et al. **Ann Otol Rhinol Laryngol [Suppl]** 1984 Jul–Aug;112:83–96

Neural coding of complex sounds: speech. Sachs MB. **Annu Rev Physiol** 1984;46:261–73 (35 ref.)

Age-dependent changes of the compound action potential in the guinea pig. Dum N. **Arch Otorhinolaryngol** 1983; 238(2):179–87

Cochlear summating potential recorded from the external auditory meatus of normal humans. Amplitude-intensity functions and relationships to auditory nerve compound action potential. Chatrian GE, et al. **Electroencephalogr Clin Neurophysiol** 1984 Sep; 59(5):396–410

Evidence for neuronal periodicity detection in the auditory system of the Guinea fowl: implications for pitch analysis in the time domain. Langner G. **Exp Brain Res** 1983; 52(3):333–55

The saccule may be the transducer for directional hearing of nonostariophysine teleosts. Saidel WM, et al. **Exp Brain Res** 1983;50(1):149–52

Auditory nerve responses to imposed displacements of the turtle basilar membrane. Crawford AC, et al. **Hear Res** 1983 Nov;12(2):199–208

Tuning characteristics of cochlear nucleus units in response to electrical stimulation of the cochlea. Glass I. **Hear Res** 1983 Nov;12(2):223–37

Discharge patterns of cat primary auditory fibers with electrical stimulation of the cochlea. Hartmann R, et al. **Hear Res** 1984 Jan;13(1):47–62

Detection of amplitude-modulated tones by frogs: implications for temporal processing mechanisms. Hillery CM. **Hear Res** 1984 May;14(2):129–43

Frequency selectivity of phase-locking of complex sounds in the auditory nerve of the rat. Møller AR. **Hear Res** 1983 Sep;11(3):267–84

Responses of gerbil and guinea pig auditory nerve fibers to low-frequency sinusoids. Oshima W, et al. **Hear Res** 1983 Nov;12(2):167–84

Auditory-nerve correlates of loudness summation with stimulus bandwidth, in normal and pathological cochleae. Pickles JO. **Hear Res** 1983 Nov;12(2):239–50

Multichannel electrical stimulation of the auditory nerve in man. I. Basic psychophysics. Shannon RV. **Hear Res** 1983 Aug;11(2):157–89

Multichannel electrical stimulation of the auditory nerve in man. II. Channel interaction. Shannon RV. **Hear Res** 1983 Oct;12(1):1–16

Correlates of tone-on-tone masked thresholds in the chinchilla auditory nerve. Sinex DG, et al. **Hear Res** 1984 Mar;13(3):285–92

Recovery of eighth nerve action potential thresholds after exposure to short, intense pure tones: similarities with temporary threshold shift. Yates GK, et al. **Hear Res** 1983 Dec;12(3):305–22

Recovering from long-term and short-term adaptation of the whole nerve action potential. Abbas PJ. **J Acoust Soc Am** 1984 May;75(5):1541–7

Speech coding in the auditory nerve: V. Vowels in background noise. Delgutte B, et al. **J Acoust Soc Am** 1984 Mar;75(3):908–18

Speech coding in the auditory nerve: III. Voiceless fricative consonants. Delgutte B, et al. **J Acoust Soc Am** 1984 Mar; 75(3):887–96

Speech coding in the auditory nerve: IV. Sounds with consonant-like dynamic characteristics. Delgutte B, et al. **J Acoust Soc Am** 1984 Mar;75(3):897–907

Speech coding in the auditory nerve: I. Vowel-like sounds. Delgutte B, et al. **J Acoust Soc Am** 1984 Mar;75(3):866–78

Speech coding in the auditory nerve: II. Processing schemes for vowel-like sounds. Delgutte B. **J Acoust Soc Am** 1984 Mar;75(3):879–86

Suppression of auditory nerve responses. II. Suppression threshold and growth, iso-suppression contours. Javel E, et al. **J Acoust Soc Am** 1983 Sep;74(3):801–13

The transmission of signals by auditory-nerve fiber discharge patterns. Johnson DH, et al. **J Acoust Soc Am** 1983 Aug; 74(2):493–501

Diversity of adaptation patterns in responses of eighth nerve fibers in the bullfrog, Rana catesbeiana. Megela AL. **J Acoust Soc Am** 1984 Apr;75(4):1155–62

Representation of stop consonants in the discharge patterns of auditory-nerve fibers. Miller MI, et al. **J Acoust Soc Am** 1983 Aug;74(2):502–17

Comparison of the responses of auditory nerve fibers to consonant-vowel syllables with predictions from linear models. Sinex DG, et al. **J Acoust Soc Am** 1984 Jul; 76(1):116–21

Electrically induced potentiation of eighth nerve responses. Ball LL. **J Aud Res** 1982 Apr;22(2):107–30

Organization of eighth nerve afferent projections from individual endorgans of the inner ear in the teleost, Astronotus ocellatus. Meredith GE, et al. **J Comp Neurol** 1983 Oct 10;220(1):44–62

Effects of continuous noise backgrounds on rate response of auditory nerve fibers in cat. Costalupes JA, et al. **J Neurophysiol** 1984 Jun;51(6):1326–44

Adaptive changes in firing rates in goldfish auditory fibers as related to changes in mean amplitude of excitatory postsynaptic potentials. Kuno M. **J Neurophysiol** 1983 Sep; 50(3):573–81

Synaptic organization of eighth nerve afferents to cat dorsal cochlear nucleus. Manis PB, et al. **J Neurophysiol** 1983 Nov;50(5):1156–81

Synaptic responses and electrical properties of cells in brain slices of the mouse anteroventral cochlear nucleus. Oertel D. **J Neurosci** 1983 Oct;3(10):2043–53

The relation between the endocochlear potential and spontaneous activity in auditory nerve fibres of the cat. Sewell WF. **J Physiol (Lond)** 1984 Feb;347:685–96

Simultaneous use of CO2 laser with continuous monitoring of eighth cranial nerve action potential during acoustic neuroma surgery. Silverstein H, et al. **Otolaryngol Head Neck Surg** 1984 Feb;92(1):80–4

Neurophysiological evidence for a traveling wave in the amphibian inner ear. Hillery CM, et al. **Science** 1984 Sep 7;225(4666):1037–9

[Effect of chronic electric stimulation of the auditory nerve on the development of the cochlear nuclei in guinea pigs] Chouard CH, et al. **Ann Otolaryngol Chir Cervicofac** 1983; 100(6):417–22 (Eng. Abstr.) **(Fre)**

[Acoustic nerve in the excited phase—experimental studies] Oshima W. **Nippon Jibiinkoka Gakkai Kaiho** 1983 Jul; 86(7):770–85 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Pathophysiology of tinnitus. Møller AR. **Ann Otol Rhinol Laryngol** 1984 Jan–Feb;93(1 Pt 1):39–44 (54 ref.)

Factors inducing retrograde degeneration of the cochlear nerve. Spoendlin H. **Ann Otol Rhinol Laryngol [Suppl]** 1984 Jul–Aug;112:76–82

Latency of the acoustic reflex in eighth-nerve tumor [letter] Poole DC, et al. **Arch Otolaryngol** 1984 Aug;110(8):558

Considerations in the differentiation between brainstem lesions and sensori-neural hearing loss using auditory nerve-brainstem evoked responses. Sohmer H, et al. **Clin Electroencephalogr** 1984 Jul;15(3):159–63

Persistence of auditory nerve response and absence of brain-stem response in severe cerebral ischaemia. Sohmer H, et al. **Electroencephalogr Clin Neurophysiol** 1984 Jul; 58(1):65–72

Tinnitus and neural activity. Salvi RJ, et al. **J Speech Hear Res** 1983 Dec;26(4):629–32

Eighth nerve responses in guinea pigs with long term endolymphatic hydrops. Prijs VF, et al. **Rev Laryngol Otol Rhinol (Bord)** 1984;105(2 Suppl):229–35

Extracochlear electrical stimulation. Gundersen T, et al. **Scand Audiol** 1984;13(1):33–9

SURGERY

The vestibular index of patients with cochleo-vestibular insufficiency after neurolysis of the eighth cranial nerve. Haid T, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1984; 406:275–7

Hearing preservation in vestibular neurectomy. de la Cruz A, et al. **Laryngoscope** 1984 Jul;94(7):874–7

[Total or partial ablation in surgery of acoustic neuroma] Sterkers JM, et al. **Ann Otolaryngol Chir Cervicofac** 1984; 101(1):5–8 (Eng. Abstr.) **(Fre)**

[Microsurgical neurolysis of the 8th cranial nerve in cochleo-vestibular disorders using an extended transtemporal approach] Wigand ME, et al. **HNO** 198? Sep;31(9):295–302 (Eng. Abstr.) **(Ger**

[Value of neurectomy in cochleo-vestibular disorders] Geyer G, et al. **Laryngol Rhinol Otol (Stuttg)** 1983 Jul;62(7):302–5 (Eng. Abstr.) **(Ger)**

ULTRASTRUCTURE

Neuropeptide-like intraneuronal profiles in the human VIIIth cranial nerve. Ylikoski J. **J Laryngol Otol** 1984 Jul; 98(7):693–700

ACOUSTIC NERVE DISEASES

CHEMICALLY INDUCED

Relationship of vancomycin concentrations and ototoxicity [letter] Lackner TE. **Arch Intern Med** 1984 Feb;144(2):419

Effects of trichloroethylene exposure on hearing. An investigation of cochlear microphonics and action potential of the guinea pig. Yamamura K, et al. **Eur J Applied Physiol** 1983;52(1):47–50

COMPLICATIONS

[Case of tinnitus, vertigo, and a loss of caloric response due

to neurovascular compression] Yasuoka S, et al. **No To Shinkei** 1983 Nov;35(11):1097–101 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Reverse frequency–sweep audiometry in patients with retrocochlear and cochlear deafness. Karjalainen S, et al. **Audiology** 1984;23(1):53–8

Effects of stimulus repetition rate and frequency on the auditory brainstem response in normal cochlear–impaired, and VIII nerve/brainstem–impaired subjects. Fowler CG, et al. **J Speech Hear Res** 1983 Dec;26(4):560–7

Acoustic reflex testing in otoneurology. Clemis JD. **Otolaryngol Head Neck Surg** 1984 Apr;92(2):141–4

BSEP in patients with retrocochlear lesions. Moller M. **Trans Pa Acad Ophthalmol Otolaryngol** 1983 Fall; 36(2):186–9

[Diagnosis of acoustic nerve neoplasms] Komatsuzaki A. **Nippon Jibiinkoka Gakkai Kaiho** 1983 Jun 20;86(6):708–11 **(Jpn)**

ETIOLOGY

Primary intracranial germinoma presenting as lower cranial nerve involvement: case report and review of the literature. Aguila LA, et al. **Neurosurgery** 1984 Apr;14(4):475–9

PATHOLOGY

[Artery–nerve conflicts in the cerebellopontine angle and their anatomic basis] Guerrier Y. **Rev Laryngol Otol Rhinol (Bord)** 1984;105(1):35–9 (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

The vestibular index of patients with cochleo–vestibular insufficiency after neurolysis of the eighth cranial nerve. Haid T, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1984; 406:275–7

Latency of the acoustic reflex in eighth–nerve tumor [letter] Poole DC, et al. **Arch Otolaryngol** 1984 Aug;110(8):558

[Electronystagmographic features of acoustic tumor] Zhang LS. **Chung Hua I Hsueh Tsa Chih** 1983 May;63(5):289–94 **(Chi)**

RADIOGRAPHY

Computed tomography with gas cisternography for detection of small acoustic tumors. A study of five false–positive results. Barrs DM, et al. **Arch Otolaryngol** 1984 Aug; 110(8):535–7

CT in the evaluation of the vestibulocochlear nerves and their central pathways. Evaluation of neurotologic disorders. Mafee MF, et al. **Radiol Clin North Am** 1984 Mar;22(1):45–66

Gas–CT cisternography for detection of small acoustic nerve tumors. Solti–Bohman LG, et al. **Radiology** 1984 Feb; 150(2):403–7

[Radiological diagnosis of acoustic tumor] Jiang ZH. **Chung Hua Fang She Hsueh Tsa Chih** 1983 Aug;17(3):181–4 (Eng. Abstr.) **(Chi)**

SURGERY

[Initial experience with microsurgery of tumors of the 8th cranial nerve] Zvěřina E, et al. **Cesk Neurol Neurochir** 1983 Sep;46(5):287–92 (Eng. Abstr.) **(Cze)**

[Traction and vascular compression of the facial and cochleo– vestibular nerves] Wigand ME, et al. **Rev Laryngol Otol Rhinol (Bord)** 1984;105(1):43–6 (Eng. Abstr.) **(Fre)**

ACOUSTIC STIMULATION

Frequency following response evoked by vibratory stimuli in profoundly deaf subjects. Ribarić K, et al. **Acta Otolaryngol (Stockh)** 1984 May–Jun;97(5–6):467–71

Dynamic parameters of the stapedius muscle reflex in response to stimuli of varying duration but with the same energy content. Rossi G, et al. **Acta Otolaryngol (Stockh)** 1984 May–Jun;97(5–6):460–6

Antepartum fetal heart rate response to sound stimulation: the acoustic stimulation test. Serafini P, et al. **Am J Obstet Gynecol** 1984 Jan 1;148(1):41–5

Blink reflex elicited by auditory stimulation: clinical study in newborn infants. Yamada A. **Brain Dev** 1984;6(1):45–53

The efficacy of vestibular stimulation as a form of specific sensory enrichment. Quantitative review of the literature. Ottenbacher KJ, et al. **Clin Pediatr (Phila)** 1984 Aug; 23(8):428–33

Decreased response to novel stimuli after prefrontal lesions in man. Knight RT. **Electroencephalogr Clin Neurophysiol** 1984 Feb;59(1):9–20

Habituation failure of skin conductance response after intraventricular administration of 6–hydroxydopamine in cats. Yamamoto K, et al. **Experientia** 1984 Apr 15; 40(4):344–5

Tuning characteristics of cochlear nucleus units in response to electrical stimulation of the cochlea. Glass I. **Hear Res** 1983 Nov;12(2):223–37

Responses of gerbil and guinea pig auditory nerve fibers to low–frequency sinusoids. Oshima W, et al. **Hear Res** 1983 Nov;12(2):167–84

Auditory–nerve correlates of loudness summation with stimulus bandwidth, in normal and pathological cochleae. Pickles JO. **Hear Res** 1983 Nov;12(2):239–50

Residual effects in monaural temporary threshold shifts to pure tones. Rajan R, et al. **Hear Res** 1983 Nov;12(2):185–97

Subcortical efferent projections of the medial geniculate nucleus mediate emotional responses conditioned to acoustic stimuli. LeDoux JE, et al. **J Neurosci** 1984 Mar; 4(3):683–98

The effect of changes in sound pressure level and frequency on the seizure response of audiogenic seizure susceptible rats. Tacke U, et al. **J Pharmacol Methods** 1984 Jul; 11(4):279–90

Stimuli for sound field audiometry: a response to Lippmann and Adams (1982) [letter] Walker G, et al. **J Speech Hear Disord** 1984 May;49(2):219–20

Failure of high intensity auditory stimuli to affect behavioral arousal in children during the first sleep cycle. Busby K, et al. **Pediatr Res** 1983 Oct;17(10):802–5

Auditory entrainment of primate drinking rhythms following partial suprachiasmatic nuclei lesions. Fuller CA, et al. **Physiol Behav** 1983 Oct;31(4):573–6

Individual differences in the cardiac response to high intensity auditory stimulation. Eves FF, et al. **Psychophysiology** 1984 May;21(3):342–52

[Characteristics of eyelid potential changes evoked by phonic stimulation—with special reference to the relation with the eye movement] Ozaki T, et al. **Nippon Seirigaku Zasshi** 1983 May;45(5):251–3 **(Jpn)**

ADVERSE EFFECTS

Electron microscopical studies on the effect of lapsed time on the nerve endings of the outer hair cells in acoustically exposed rabbits. Omata T, et al. **Arch Otorhinolaryngol** 1984;240(2):175–83

[Effect of low–frequency acoustic oscillations on the properties of erythrocyte membranes] Alekseev SV, et al. **Gig Sanit** 1984 Feb;(2):82–4 **(Rus)**

INSTRUMENTATION

A procedure to enhance auditory brainstem response reliability in unrestrained rats. Lee JA, et al. **Pharmacol Biochem Behav** 1984 Feb;20(2):261–7

METHODS

Auditory biofeedback used to enhance convergence insufficiency therapy. Scheiman MM, et al. **J Am Optom Assoc** 1983 Nov;54(11):1001–3

A physiological study of acoustic blinking reflex in the cat. Tenjin T, et al. **Jpn J Ophthalmol** 1983;27(2):387–96

[Brief acoustic stimuli for the recording of brain stem potentials by computer controlled system analysis] Kleberc G, et al. **Laryngol Rhinol Otol (Stuttg)** 1983 Oct; 62(10):487–92 (Eng. Abstr.) **(Ger)**

[Use of differentiated frequency components in sound amplification in auditory prosthesis for patients with neurosensory deafness] Gekht IuK, et al. **Vestn Otorinolaringol** 1984 Jan–Feb;(1):22–5 (Eng. Abstr.) **(Rus)**

[Effect of the repetition frequency of acoustic stimulation on the time and amplitude characteristics of the auditory evoked potential of the human brain stem] Tavartkiladze GA, et al. **Vestn Otorinolaringol** 1984 Mar–Apr;(2):11–7 (Eng. Abstr.) **(Rus)**

ACOUSTIC TRAUMA see HEARING LOSS, NOISE–INDUCED

ACOUSTICS

Tracheal stenosis measured by the acoustic reflection technique. Hoffstein V, et al. **Am Rev Respir Dis** 1984 Sep; 130(3):472–5

Frequency dependence of effective nasal resistance. Fullton JM, et al. **Ann Otol Rhinol Laryngol** 1984 Mar–Apr;93(2 Pt 1):140–5

Effects of analog and digital filtering on auditory middle latency responses in adults and young children. Suzuki T, et al. **Ann Otol Rhinol Laryngol** 1984 May–Jun;93(3 Pt 1):267–70

Time– and intensity–dependent low–pass filtering of auditory brain stem responses. Hoke M, et al. **Audiology** 1984; 23(2):195–205

Photoacoustic spectroscopy and its use in biology. Review. Balasubramanian D. **Biosci Rep** 1983 Nov;3(11):981–94 (33 ref.)

Acoustical characteristics of surgically altered human temporal bones. Browning GG, et al. **Clin Otolaryngol** 1984 Apr;9(2):87–91

Acoustic analysis of pathological cries, stridors and coughing sounds in infancy. Hirschberg J. **Int J Pediatr Otorhinolaryngol** 1980 Nov;2(4):287–300

The 107th meeting of the Acoustical Society of America. Norfolk, Virginia, 6–10 May 1984. Abstracts. **J Acoust Soc Am** 1984 Spring;75 Suppl 1:S1–97

The 108th meeting of the Acoustical Society of America. Minneapolis, Minnesota, 8–12 October 1984. Abstracts. **J Acoust Soc Am** 1984 Fall;76 Suppl 1:S1–97

References to contemporary papers on acoustics. **J Acoust Soc Am** 1984 Summer;75 Suppl 2:R1–461

The 106th meeting of the Acoustical Society of America. San Diego, California, 7–11 November 1983. Abstracts. **J Acoust Soc Am** 1983 Fall;74 Suppl 1:S1–127

The forward and backward projection of acoustic fields from axisymmetric ultrasonic radiators using impulse response and Hankel transform techniques. Medeiros AF, et al. **J Acoust Soc Am** 1984 Jun;75(6):1732–40

The acoustic features of vervet monkey grunts. Seyfarth RM, et al. **J Acoust Soc Am** 1984 May;75(5):1623–8

Tracheal cross–sectional areas from acoustic reflections in dogs. Jackson AC, et al. **J Appl Physiol** 1984 Aug; 57(2):351–3

Speed of low–frequency sound through lungs of normal men. Kraman SS. **J Appl Physiol** 1983 Dec;55(6):1862–7

Measurement of cellular elastic properties by acoustic microscopy. Hildebrand JA, et al. **J Microsc** 1984 Jun;134 (Pt 3):245–60

Effects of rise–fall time, frequency, and intensity on the early/middle evoked response. Beattie RC, et al. **J Speech Hear Disord** 1984 May;49(2):114–27

ACQUIRED IMMUNODEFICIENCY SYNDROME

AIDS. Sifting for facts about a puzzling disease. Murphy DH. **Am Pharm** 1983 Oct;NS23(10):18–22

NIH conference. Acquired immunodeficiency syndrome: epidemiologic, clinical, immunologic, and therapeutic considerations. Fauci AS, et al. **Ann Intern Med** 1984 Jan; 100(1):92–106 (94 ref.)

Antibody to human T–cell leukemia virus membrane antigens, beta 2–microglobulin levels, and thymosin alpha 1 levels in hemophiliacs and their spouses. Kreiss JK, et al. **Ann Intern Med** 1984 Feb;100(2):178–82

Epidemic of acquired immune deficiency syndrome (AIDS) and Kaposi's sarcoma. First workshop of the European Study Group on AIDS/KS, Naples, June 25, 1983. **Antibiot Chemother** 1983;32:1–164

Acquired immune deficiency syndrome (AIDS). A review. Landesman SH, et al. **Arch Intern Med** 1983 Dec; 143(12):2307–9

AIDS—a review. Cohen J. **Br J Hosp Med** 1984 Apr; 31(4):250–4, 258–9 (48 ref.)

Acquired immunodeficiency syndrome—an assessment of the present situation in the world: memorandum from a WHO meeting. **Bull WHO** 1984;62(3):419–32

AIDS, public policy and biomedical research. Panem S. **Chest** 1984 Mar;85(3):416–22

The acquired immune deficiency syndrome. Pinching AJ. **Clin Exp Immunol** 1984 Apr;56(1):1–13 (94 ref.)

Conspectus. Acquired immune deficiency syndrome. Howard DR. **Compr Ther** 1983 Aug;9(8):3–5

The acquired immunodeficiency syndrome. Masur H. **DM** 1983 Oct;30(1):1–48

AIDS: a research and clinical bibliography. **Hematol Oncol** 1984 Jan–Mar;2(1):77–134

'Reasonable' discrimination against homosexuals [letter] Warter H. **Hosp Pract** 1983 Dec;18(12):16, 21

AIDS and heat. Weissmann G. **Hosp Pract** 1983 Oct; 18(10):136–7, 141–9

Aid to A.I.D.S.[editorial] Otridge BW. **Ir Med J** 1983 Sep; 76(9):373–4

Aseptic techniques for AIDS [letter] Evans BE. **J Am Dent Assoc** 1983 Nov;107(5):706, 708

13th annual UCLA symposium. Abstracts: Acquired immune deficiency syndrome. **J Cell Biochem [Suppl]** 1984;8A:1–23

The refusal to treat: abandonment and AIDS. Plumeri PA. **J Clin Gastroenterol** 1984 Jun;6(3):281–4

The acquired immune deficiency syndrome: an international health problem of increasing importance. Wofsy CB, et al. **Klin Wochenschr** 1984 Jun 1;62(11):512–22

Acquired immune deficiency disease after three years. The unsolved riddle. Ioachim HL. **Lab Invest** 1984 Jul;51(1):1–6 (55 ref.)

Acquired immune deficiency syndrome. Levin ML. **Md State Med J** 1983 Sep;32(9):692–5

AIDophobia [letter] Freed E. **Med J Aust** 1983 Nov 12; 2(10):479

Acquired immune deficiency syndrome (AIDS). Fisher EJ. **Mich Med** 1984 May;83(24):229–30, 265–6

AIDS outcome: a first follow–up [letter] Rivin BE, et al. **N Engl J Med** 1984 Sep 27;311(13):857

AIDS and the gay man [letter] Schram NR. **N Engl J Med** 1984 May 10;310(19):1266–7

AIDS research. To review or not to review? [news] Budiansky S. **Nature** 1983 Sep 29–Oct 5;305(5933):349

AIDS and confidentiality [letter] Foege WH. **Nature** 1983 Nov 3–9;306(5938):10

Aids [letter] Krajeski JP. **NC Med J** 1983 Aug;44(8):525

Acquired immune deficiency syndrome: dental considerations. Evans BE. **NY State Dent J** 1983 Nov; 49(9):649–52

Overview: acquired immune deficiency syndrome. Cassens BJ. **Penn Med** 1983 Jul;86(7):41–3

Acquired immune deficiency syndrome (AIDS). Medical challenge of the 80's. Daul CB, et al. **Postgrad Med** 1984 Jul;76(1):167–74, 177–9

The Acquired Immune Deficiency Syndrome. Mansell PW, et al. **Prog Clin Biol Res** 1983;130:217–35 (110 ref.)

Acquired immunodeficiency syndrome. Introduction. Groopman JE. **Semin Oncol** 1984 Mar;11(1):3

Acquired immune deficiency syndrome. Collier AC, et al. **Urol Clin North Am** 1984 Feb;11(1):187–97 (92 ref.)

Aspects of the acquired immunodeficiency syndrome

(AIDS). Persaud V. **West Indian Med J** 1983 Sep; 32(3):119–21

The acquired immune deficiency syndrome (AIDS)—a multidisciplinary enigma [clinical conference] **West J Med** 1984 Jan;140(1):66–81

Facts about acquired immune deficiency syndrome (AIDS). **Wis Med J** 1983 Nov;82(11):15–8 (27 ref.)

AIDS and the physician. Erwin CP. **Wis Med J** 1983 Oct; 82(10):5

[Acquired immune defect syndrome – a venereal disease?] Poulsen PA, et al. **Ugeskr Laeger** 1984 Jan 30;146(5):355–6 (Eng. Abstr.) **(Dan)**

[Acquired immune deficiency syndrome (AIDS). From the AIDS committee—Quebec] **Union Med Can** 1983 Jul; 112(7):604–6, 608–10 (25 ref.) (Eng. Abstr.) **(Fre)**

[What does the dermatologist need to know about the new disease AIDS?] Sönnichsen N, et al. **Dermatol Monatsschr** 1984;170(3):153–9 (Eng. Abstr.) **(Ger)**

[Acquired immunodeficiency syndrome (AIDS). A 2-year review] Vogt M, et al. **Dtsch Med Wochenschr** 1983 Dec 16;108(50):1927–33 (76 ref.) **(Ger)**

[AIDS—a new immunodeficiency syndrome] Hitzig WH. **Schweiz Rundsch Med Prax** 1984 Feb 21;73(8):217–20 (13 ref.) (Eng. Abstr.) **(Ger)**

[AIDS. Acquired immune deficiency syndrome. Epidemic or hysteria?] Gesenhues S. **ZFA (Stuttgart)** 1983 Nov 30; 59(33):1865–9 **(Ger)**

[Difference in the behavior of T-lymphocyte populations in heroin and methadone addicts] Brugo MA, et al. **Boll Ist Sieroter Milan** 1983;62(6):517–23 (Eng. Abstr.) **(Ita)**

[Report on acquired immunodeficiency syndrome] Rodriguez Domingo E. **Med Clin (Barc)** 1984 Mar 24;82(11):491–3 **(Spa)**

[Acquired immunodeficiency syndrome] Farga V. **Rev Med Chil** 1983 Dec;111(12):1300–6 (Eng. Abstr.) **(Spa)**

[The acquired immunodeficiency syndrome. A dynamic clinico-biological situation] Estivill X, et al. **Sangre (Barc)** 1983;28(6):753–69 (174 ref.) **(Spa)**

[The first 2 fatal cases of AIDS in Sweden—diagnostic and therapeutic experiences] Asbrink E, et al. **Lakartidningen** 1984 Apr 11;81(15):1513–6 **(Swe)**

[Update on AIDS—virology, immunology, epidemiology] Biberfeld G, et al. **Lakartidningen** 1984 Jun 27; 81(26–27):2595–9 **(Swe)**

BLOOD

Erythroblastopenia in acquired immunodeficiency syndrome (AIDS) [letter] Berner YN, et al. **Acta Haematol (Basel)** 1983;70(4):273

Interferon-related leukocyte inclusions in acquired immune deficiency syndrome: localization in T cells. Grimley PM, et al. **Am J Clin Pathol** 1984 Feb;81(2):147–55

In-hospital needlesticks and other significant blood exposures to blood from patients with acquired immunodeficiency syndrome and lymphadenopathy syndrome. Rhame FS. **Am J Infect Control** 1984 Apr;12(2):69–75

Acquired immunodeficiency syndrome with progressive multifocal leukoencephalopathy and monoclonal B-cell proliferation. Ho JL, et al. **Ann Intern Med** 1984 May; 100(5):693–6

Beta-2-microglobulin in acquired immune deficiency syndrome. Francioli P, et al. **Antibiot Chemother** 1983; 32:147–52

T cell ratios in AIDS [letter] Pinching AJ. **Br Med J [Clin Res]** 1983 Dec 3;287(6406):1716–7

Human interferon-alpha production in homosexual men with the acquired immune deficiency syndrome [letter] Abb J, et al. **J Infect Dis** 1984 Jul;150(1):158–9

Quantitation of beta 2-microglobulin and other immune characteristics in a prospective study of men at risk for acquired immune deficiency syndrome. Zolla-Pazner S, et al. **JAMA** 1984 Jun 8;251(22):2951–5

Rapid detection of immunoreactive interferon-alpha in AIDS [letter] Abbott SR, et al. **Lancet** 1984 Mar 10;1(8376):564

Iron and iron binding proteins in persistent generalised lymphadenopathy and AIDS [letter] Blumberg BS, et al. **Lancet** 1984 Feb 11;1(8372):347

Iron, ferritin, and AIDS [letter] Kushner I. **Lancet** 1984 Mar 17;1(8377):633

Acid-labile alpha interferon [letter] **N Engl J Med** 1984 Apr 5;310(14):922–4

Cyclosporine-like substances not detected in patients with AIDS [letter] Schran HF, et al. **N Engl J Med** 1984 May 17;310(20):1324

Crash development of AIDS test nears goal [news] Culliton BJ. **Science** 1984 Sep 14;225(4667):1128, 1130–1

Impact of AIDS on blood services in the United States. Sandler SG, et al. **Vox Sang** 1984;46(1):1–7

[Interview with Dr. W. Stille, Frankfurt. Will AIDS-suspected blood donors soon be identifiable?] Stille W. MMW 1983 Dec 2;125(48):suppl 25 **(Ger)**

CLASSIFICATION

Another look at the acquired immunodeficiency syndrome. Santaella ML. **Bol Asoc Med PR** 1984 Jun;76(6):249–51

COMPLICATIONS

Cryptosporidiosis of the stomach and small intestine in patients with AIDS. Berk RN, et al. **AJR** 1984 Sep; 143(3):549–54

Pulmonary complications of AIDS: radiologic features. Cohen BA, et al. **AJR** 1984 Jul;143(1):115–22

Monilial enteritis in acquired immunodeficiency syndrome. Radin DR, et al. **AJR** 1983 Dec;141(6):1289–90

Cardiac involvement by Kaposi's sarcoma in acquired immune deficiency syndrome (AIDS). Silver MA, et al. **Am J Cardiol** 1984 Mar 15;53(7):983–5

Hematologic manifestations in homosexual men with Kaposi's sarcoma. Abrams DI, et al. **Am J Clin Pathol** 1984 Jan; 81(1):13–8

Use of the transbronchial biopsy for diagnosis of opportunistic pulmonary infections in acquired immunodeficiency syndrome (AIDS). Blumfeld W, et al. **Am J Clin Pathol** 1984 Jan;81(1):1–5

Talcosis in AIDS victims? [letter] Brauner D, et al. **Am J Clin Pathol** 1984 Jan;81(1):145

Cytomegalovirus encephalitis in acquired immunodeficiency syndrome. Hawley DA, et al. **Am J Clin Pathol** 1983 Dec; 80(6):874–7

An atypical subcutaneous infection associated with acquired immune deficiency syndrome. Stoler MH, et al. **Am J Clin Pathol** 1983 Nov;80(5):714–8

Intestinal perforation associated with cytomegalovirus infection in patients with acquired immune deficiency syndrome. Frank D, et al. **Am J Gastroenterol** 1984 Mar; 79(3):201–5

Cytomegalovirus- and Cryptosporidium-associated acalculous gangrenous cholecystitis. Blumberg RS, et al. **Am J Med** 1984 Jun;76(6):1118–23

Assessment of therapy for pneumocystis carinii pneumonia. PCP Therapy Project Group. Haverkos HW. **Am J Med** 1984 Mar;76(3):501–8

Hematologic abnormalities in the acquired immune deficiency syndrome. Spivak JL, et al. **Am J Med** 1984 Aug;77(2):224–8

Disseminated histoplasmosis associated with the acquired immune deficiency syndrome. Taylor MN, et al. **Am J Med** 1984 Sep;77(3):579–80

Fatal cryptosporidiosis complicating Kaposi's sarcoma in an immunocompromised man. Wittner M, et al. **Am J Med Sci** 1984 Mar-Apr;287(2):47–8

Listeriosis and AIDS: an unfounded assumption [letter] Boucher M, et al. **Am J Obstet Gynecol** 1984 Aug 1; 149(7):804–6

Acquired immune deficiency syndrome retinopathy, pneumocystis, and cotton-wool spots [editorial] Freeman WR, et al. **Am J Ophthalmol** 1984 Aug 15;98(2):235–7

A prospective study of the ophthalmologic findings in the acquired immune deficiency syndrome. Freeman WR, et al. **Am J Ophthalmol** 1984 Feb;97(2):133–42

The acquired immune deficiency syndrome [editorial] Newman NM. **Am J Ophthalmol** 1984 Feb;97(2):240–1

Psychopathology complicating acquired immune deficiency syndrome (AIDS). Nurnberg HG, et al. **Am J Psychiatry** 1984 Jan;141(1):95–6

Drug therapy for the opportunistic diseases associated with AIDS. Glickman D, et al. **Am Pharm** 1983 Oct; NS23(10):23–8

The diagnosis of Pneumocystis carinii pneumonia in patients with the acquired immunodeficiency syndrome using subsegmental bronchoalveolar lavage. Ognibene FP, et al. **Am Rev Respir Dis** 1984 Jun;129(6):929–32

Mycobacterium gordonae in the acquired immunodeficiency syndrome [letter] Chan J, et al. **Ann Intern Med** 1984 Sep; 101(3):400

Absence of Kaposi's sarcoma in hemophiliacs with the acquired immunodeficiency syndrome [letter] Cohn DL, et al. **Ann Intern Med** 1984 Sep;101(3):401

The acquired immunodeficiency syndrome and a trimethoprim-sulfamethoxazole adverse reaction [letter] Cohn DL, et al. **Ann Intern Med** 1984 Feb;100(2):311

Herpes zoster and the acquired immunodeficiency syndrome [letter] Cone LA, et al. **Ann Intern Med** 1984 Mar; 100(3):462

Streptococcus bovis bacteremia and acquired immunodeficiency syndrome [letter] Glaser JB, et al. **Ann Intern Med** 1983 Dec;99(6):878

Adverse reactions to trimethoprim-sulfamethoxazole in patients with the acquired immunodeficiency syndrome. Gordin FM, et al. **Ann Intern Med** 1984 Apr;100(4):495–9

Adrenal insufficiency as a complication of the acquired immunodeficiency syndrome. Greene LW, et al. **Ann Intern Med** 1984 Oct;101(4):497–8

Recombinant alpha-2 interferon therapy for Kaposi's sarcoma associated with the acquired immunodeficiency syndrome. Groopman JE, et al. **Ann Intern Med** 1984 May; 100(5):671–6

Primary Addison's disease in a patient with the acquired immunodeficiency syndrome. Guenthner EE, et al. **Ann Intern Med** 1984 Jun;100(6):847–8

Adenosquamous carcinoma of the lung and the acquired immunodeficiency syndrome [letter] Irwin LE, et al. **Ann Intern Med** 1984 Jan;100(1):158

Plasmacytoma and the acquired immunodeficiency syndrome. Israel AM, et al. **Ann Intern Med** 1983 Nov; 99(5):635–6

Enteropathy associated with the acquired immunodeficiency syndrome. Kotler DP, et al. **Ann Intern Med** 1984 Oct; 101(4):421–8

Hodgkin's disease and the acquired immunodeficiency syndrome [letter] Robert NJ, et al. **Ann Intern Med** 1984 Jul;101(1):142–3

Prognosis of Pneumocystis carinii pneumonia in the acquired immunodeficiency syndrome [letter] Rosen MJ, et al. **Ann Intern Med** 1984 Aug;101(2):276

Cryptosporidiosis in homosexual men. Soave R, et al. **Ann Intern Med** 1984 Apr;100(4):504–11

Mycobacterium xenopi and the acquired immunodeficiency syndrome [letter] Tecson-Tumang FT, et al. **Ann Intern Med** 1984 Mar;100(3):461–2

Central-nervous-system toxoplasmosis in homosexual men and parenteral drug abusers. Wong B, et al. **Ann Intern Med** 1984 Jan;100(1):36–42

Acquired immune deficiency syndrome and multiple tract degeneration in a homosexual man. Horoupian DS, et al. **Ann Neurol** 1984 May;15(5):502–5

Neurological complications of acquired immune deficiency syndrome: analysis of 50 patients. Snider WD, et al. **Ann Neurol** 1983 Oct;14(4):403–18

Oculomotor cranial nerve palsey associated with acquired immunodeficiency syndrome. Jack MK, et al. **Ann Ophthalmol** 1984 May;16(5):460–2

Evaluation of abdominal pain in the AIDS patient. Potter DA, et al. **Ann Surg** 1984 Mar;199(3):332–9

Alpha-interferon administration in cytomegalovirus retinitis. Chou SW, et al. **Antimicrob Agents Chemother** 1984 Jan; 25(1):25–8

Studies in homosexual patients with and without lymphadenopathy. Relationships to the acquired immune deficiency syndrome. deShazo RD, et al. **Arch Intern Med** 1984 Jun;144(6):1153–8

Pneumocystis with normal chest X-ray film and arterial oxygen tension. Early diagnosis in a patient with the acquired immune deficiency syndrome. Goodman JL, et al. **Arch Intern Med** 1983 Oct;143(10):1981–2

Histoplasmosis in acquired immunodeficiency syndrome (AIDS): diagnosis by bone marrow examination [letter] Pasternak J, et al. **Arch Intern Med** 1983 Oct;143(10):2024

Human cryptosporidiosis: spectrum of disease. Report of six cases and review of the literature. Pitlik SD, et al. **Arch Intern Med** 1983 Dec;143(12):2269–75

Cerebral toxoplasmosis in acquired immune deficiency syndrome. Alonso R, et al. **Arch Neurol** 1984 Mar; 41(3):321–3

Progressive multifocal leukoencephalopathy in a patient with acquired immune deficiency syndrome. Bernick C, et al. **Arch Neurol** 1984 Jul;41(7):780–2

Herpes zoster ophthalmicus and acquired immune deficiency syndrome. Cole EL, et al. **Arch Ophthalmol** 1984 Jul; 102(7):1027–9

Pyogenic otorhinologic infections in acquired immune deficiency syndrome. Poole MD, et al. **Arch Otolaryngol** 1984 Feb;110(2):130–1

Ocular findings in the acquired immunodeficiency syndrome. Gal A, et al. **Br J Ophthalmol** 1984 Apr;68(4):238–41

AIDS in a patient with Crohn's disease. Dhar JM, et al. **Br Med J [Clin Res]** 1984 Jun 16;288(6433):1802–3

Pyrexia of undetermined origin, diarrhoea, and primary cerebral lymphoma associated with acquired immunodeficiency. Shiach CR, et al. **Br Med J [Clin Res]** 1984 Feb 11;288(6415):449–50

AIDS in Haitian immigrants [letter] Fralick RA. **Can Med Assoc J** 1984 May 15;130(10):1266

AIDS in a patient with hemophilia receiving mainly cryoprecipitate. Gerstein HC, et al. **Can Med Assoc J** 1984 Jul 1;131(1):45–7

AIDS and sudden death [letter] Sherlock CH, et al. **Can Med Assoc J** 1983 Nov 15;129(10):1079

Mycobacterium xenopi infection in a patient with acquired immunodeficiency syndrome. Eng RH, et al. **Chest** 1984 Jul;86(1):145–7

Pulmonary disease in the acquired immune deficiency syndrome. Gottlieb MS. **Chest** 1984 Sep;86(3 Suppl):29S–31S

Renal disease in patients with AIDS: a clinicopathologic study. Gardenswartz MH, et al. **Clin Nephrol** 1984 Apr; 21(4):197–204

Organic brain syndrome in three cases of acquired immune deficiency syndrome. Kermani E, et al. **Compr Psychiatry** 1984 May-Jun;25(3):294–7

Spontaneous colonic perforation secondary to cytomegalovirus in a patient with acquired immune deficiency syndrome. Kram HB, et al. **Crit Care Med** 1984 May;12(5):469–71

Mycobacterium avium: a pathogen of patients with acquired immunodeficiency syndrome. Berlin OG, et al. **Diagn Microbiol Infect Dis** 1984 Jun;2(3):213–8

Nontyphoidal Salmonella bacteremia as an early infection in acquired immunodeficiency syndrome. Bottone EJ, et al. **Diagn Microbiol Infect Dis** 1984 Jun;2(3):247–50

Cryptosporidium in acquired immunodeficiency syndrome. Cohen JD, et al. **Dig Dis Sci** 1984 Aug;29(8):773–7

Pneumocystis carinii: a misunderstood opportunist. Pifer LL. **Eur J Clin Microbiol** 1984 Jun;3(3):169–73 (35 ref.)

Gastrointestinal cytomegalovirus infection in a homosexual man with severe acquired immunodeficiency syndrome. Gertler SL, et al. **Gastroenterology** 1983 Dec;85(6):1403–6

Widespread cytomegalovirus gastroenterocolitis in a patient with acquired immunodeficiency syndrome. Knapp AB, et al. **Gastroenterology** 1983 Dec;85(6):1399–402

An immunodeficient and 'backward' child. Kliman G, et al. **Hosp Pract [Off]** 1984 May;19(5):108–10, 112, 114

Neuropsychiatric aspects of acquired immune deficiency syndrome. Loewenstein RJ, et al. **Int J Psychiatry Med** 1983–84;13(4):255–60

Acquired immunodeficiency syndrome with Kaposi's sarcoma in Ireland. O'Keeffe FN, et al. **Ir J Med Sci** 1983 Sep;152(9):353–6

Disseminated cryptococcosis presenting as herpetiform lesions in a homosexual man with acquired immunodeficiency syndrome. Borton LK, et al. **J Am Acad Dermatol** 1984 Feb;10(2 Pt 2):387–90

Basal cell carcinoma in a man with acquired immunodeficiency syndrome [letter] Slazinski L, et al. **J Am Acad Dermatol** 1984 Jul;11(1):140–1

Oral Kaposi's sarcoma associated with acquired immunodeficiency syndrome among homosexual males. Eversole LR, et al. **J Am Dent Assoc** 1983 Aug; 107(2):248–53

Gastrointestinal Kaposi's sarcoma in AIDS: radiographic manifestations. Wall SD, et al. **J Clin Gastroenterol** 1984 Apr;6(2):165–71

Mycobacterium avium–intracellulare–associated colitis in a patient with the acquired immunodeficiency syndrome. Wolke A, et al. **J Clin Gastroenterol** 1984 Jun;6(3):225–9

Burkitt lymphoma in acquired immune deficiency syndrome. Radin DR, et al. **J Comput Assist Tomogr** 1984 Feb; 8(1):173–4

CT biopsy of cerebral toxoplasmosis in AIDS. Rodan BA, et al. **J Fla Med Assoc** 1984 Mar;71(3):158–60

Severe acquired immune deficiency syndrome in male homosexuals: diminished capacity to make interferon–alpha in vitro associated with severe opportunistic infections. Lopez C, et al. **J Infect Dis** 1983 Dec;148(6):962–6

Spectrum of central nervous system complications in homosexual men with acquired immune deficiency syndrome [letter] Pitlik SD, et al. **J Infect Dis** 1983 Oct; 148(4):771–2

Acquired immune deficiency syndrome: is disseminated aspergillosis predictive of underlying cellular immune deficiency? Schaffner A. **J Infect Dis** 1984 May; 149(5):828–9

Intracerebral toxoplasmosis in patients with acquired immune deficiency syndrome. Handler M, et al. **J Neurosurg** 1983 Dec;59(6):994–1001

Central nervous system mass lesions in the acquired immunodeficiency syndrome (AIDS). Levy RM, et al. **J Neurosurg** 1984 Jul;61(1):9–16

Kaposi's sarcoma in a patient with acquired immune deficiency syndrome. Nickles GB, et al. **J Oral Maxillofac Surg** 1984 Jan;42(1):56–60

Leads from the MMWR. Severe neutropenia during pentamidine treatment of Pneumocystis carinii pneumonia in patients with AIDS. **JAMA** 1984 Mar 9;251(10):1253–4

Leads from the MMWR. Update: treatment of cryptosporidiosis in patients with AIDS. **JAMA** 1984 Apr 6;251(13):1661

Leads from the MMWR. Pentamidine methanesulfonate to be distributed by CDC. **JAMA** 1984 May 25;251(20):2641

Pulmonary cryptosporidiosis in acquired immune deficiency syndrome. Brady EM, et al. **JAMA** 1984 Jul 6;252(1):89–90

Initial observations of the effect of radiotherapy on epidemic Kaposi's sarcoma. Cooper JS, et al. **JAMA** 1984 Aug 17; 252(7):934–5

Kaposi's sarcoma and immunoblastic sarcoma in the acquired immune deficiency syndrome [letter] Figlin RA, et al. **JAMA** 1984 Jan 20;251(3):342–3

Toxoplasmic encephalitis in patients with acquired immune deficiency syndrome. Luft BJ, et al. **JAMA** 1984 Aug 17; 252(7):913–7

Respiratory cryptosporidiosis in the acquired immune deficiency syndrome. Use of modified cold Kinyoun and Hemacolor stains for rapid diagnoses. Ma P, et al. **JAMA** 1984 Sep 14;252(10):1298–301

Herpesvirus infections in the acquired immune deficiency syndrome. Quinnan GV Jr, et al. **JAMA** 1984 Jul 6; 252(1):72–7

Acquired immune deficiency syndrome and pancytopenia. Spivak JL, et al. **JAMA** 1983 Dec 9;250(22):3084–7

Toxoplasmosis diagnosis and immunodeficiency [editorial] **Lancet** 1984 Mar 17;1(8377):605–6

Acquired immunodeficiency syndrome and other possible immunological disorders in European haemophiliacs. Bloom AL. **Lancet** 1984 Jun 30;1(8392):1452–5

African Kaposi's sarcoma and AIDS. Downing RG, et al. **Lancet** 1984 Mar 3;1(8375):478–80

Kaposi's sarcoma associated with AIDS in a woman from Uganda [letter] Edwards D, et al. **Lancet** 1984 Mar 17; 1(8377):631–2

AIDS and hepatitis B [letter] Froebel KS, et al. **Lancet** 1984 Mar 17;1(8377):632

Prophylaxis of Pneumocystis carinii infection in AIDS with pyrimethamine–sulfadoxine [letter] Gottlieb MS, et al. **Lancet** 1984 Aug 18;2(8399):398–9

Virus–like particles in AIDS–related lymphadenopathy [letter] Humphrey JH. **Lancet** 1984 Sep 15;2(8403):643

Complications of co–trimoxazole in treatment of AIDS–associated Pneumocystis carinii pneumonia in homosexual men. Jaffe HS, et al. **Lancet** 1983 Nov 12; 2(8359):1109–11

Cryptosporidium in patient with acquired immunodeficiency syndrome [letter] Jonas C, et al. **Lancet** 1983 Oct 22; 2(8356):964

HTLV–positive T–cell lymphoma/leukaemia in an AIDS patient [letter] Kobayashi M, et al. **Lancet** 1984 Jun 16; 1(8390):1361–2

Regression of Kaposi's sarcoma in AIDS after treatment with dapsone [letter] Poulsen A, et al. **Lancet** 1984 Mar 10; 1(8376):560

Gastrointestinal infections during AIDS [letter] René E, et al. **Lancet** 1984 Apr 21;1(8382):915

Amprolium for coccidiosis in AIDS [letter] Veldhuyze van Zanten SJ, et al. **Lancet** 1984 Aug 11;2(8398):345–6

Opportunistic infection complicating acquired immune deficiency syndrome. Clinical features of 25 cases. Lerner CW, et al. **Medicine (Baltimore)** 1984 May;63(3):155–64 (67 ref.)

Update: treatment of cryptosporidiosis in patients with acquired immunodeficiency syndrome (AIDS). **MMWR** 1984 Mar 9;33(9):117–9

Severe neutropenia during pentamidine treatment of Pneumocystis carinii pneumonia in patients with acquired immunodeficiency syndrome—New York City. **MMWR** 1984 Feb 17;33(6):65–7

Pentamidine methanesulfonate to be distributed by CDC. **MMWR** 1984 May 4;33(17):225–6

Ocular effects in acquired immune deficiency syndrome. Schuman JS, et al. **Mt Sinai J Med (NY)** 1983 Sep–Oct; 50(5):443–6

Disseminated coccidioidomycosis in AIDS [letter] Abrams DI, et al. **N Engl J Med** 1984 Apr 12;310(15):986–7

Kaposi's sarcoma among four different AIDS risk groups [letter] De Jarlais DC, et al. **N Engl J Med** 1984 Apr 26; 310(17):1119

Seborrheic dermatitis and butterfly rash in AIDS [letter] Eisenstat BA, et al. **N Engl J Med** 1984 Jul 19;311(3):189

Oral candidiasis in high–risk patients as the initial manifestation of the acquired immunodeficiency syndrome. Klein RS, et al. **N Engl J Med** 1984 Aug 9;311(6):354–8

Intracerebral–mass lesions in the acquired immunodeficiency syndrome (AIDS) [letter] Levy RM, et al. **N Engl J Med** 1983 Dec 8;309(23):1454–5

Pulmonary complications of the acquired immunodeficiency syndrome. Report of a National Heart, Lung, and Blood Institute workshop. Murray JF, et al. **N Engl J Med** 1984 Jun 21;310(25):1682–8

Associated focal and segmental glomerulosclerosis in the acquired immunodeficiency syndrome. Rao TK, et al. **N Engl J Med** 1984 Mar 15;310(11):669–73

Herpes zoster ophthalmicus in patients at risk for AIDS [letter] Sandor E, et al. **N Engl J Med** 1984 Apr 26; 310(17):1118–9

Non–Hodgkin's lymphoma in 90 homosexual men. Relation to generalized lymphadenopathy and the acquired immunodeficiency syndrome. Ziegler JL, et al. **N Engl J Med** 1984 Aug 30;311(9):565–70

Emerging importance of infections due to the Mycobacterium avium–intracellulare complex [editorial] Rosenzweig DY. **NY State J Med** 1984 Jun;84(6):290

Kaposi's sarcoma and the acquired immunodeficiency syndrome [letter] Bailey RR. **NZ Med J** 1984 Jan 25; 97(748):50

Unilateral cytomegalovirus retinochoroiditis and bilateral cytoid bodies in a bisexual man with the acquired immunodeficiency syndrome. Rodrigues MM, et al. **Ophthalmology** 1984 Jan;91(1 Suppl):1577–82

Acquired immune deficiency syndrome. Ocular manifestations. Holland GN, et al. **Ophthalmology (Rochester)** 1983 Aug;90(8):859–73

Multicentric Kaposi's sarcoma of the conjunctiva in a male homosexual with the acquired immunodeficiency syndrome. Macher AM, et al. **Ophthalmology (Rochester)** 1983 Aug;90(8):879–84

Acquired immunodeficiency syndrome. Ophthalmic manifestations in ambulatory patients. Rosenberg PR, et al. **Ophthalmology (Rochester)** 1983 Aug;90(8):874–8

Oral manifestations of tumor and opportunistic infections in the acquired immunodeficiency syndrome (AIDS): findings in 53 homosexual men with Kaposi's sarcoma. Lozada F, et al. **Oral Surg** 1983 Nov;56(5):491–4

Kaposi's sarcoma of the head and neck in the acquired immune deficiency syndrome. Patow CA, et al. **Otolaryngol Head Neck Surg** 1984 Jun;92(3):255–60

Neuropsychiatric complications of AIDS. Hoffman RS. **Psychosomatics** 1984 May;25(5):393–5, 399–400

Psychiatric problems of AIDS inpatients at the New York Hospital: preliminary report. Perry SW, et al. **Public Health Rep** 1984 Mar–Apr;99(2):200–5

Nonneoplastic AIDS syndromes. Gottlieb MS. **Semin Oncol** 1984 Mar;11(1):40–6

Biology and therapy of Kaposi's sarcoma. Mitsuyasu RT, et al. **Semin Oncol** 1984 Mar;11(1):53–9

Therapy of Kaposi's sarcoma in AIDS. Volberding P. **Semin Oncol** 1984 Mar;11(1):60–7

Disseminated histoplasmosis, invasive pulmonary aspergillosis, and other opportunistic infections in a homosexual patient with acquired immune deficiency syndrome. Jones PG, et al. **Sex Transm Dis** 1983 Oct–Dec; 10(4):202–4

Campylobacter fetus ssp fetus cholecystitis and relapsing bacteremia in a patient with acquired immunodeficiency syndrome. Costel EE, et al. **South Med J** 1984 Jul; 77(7):927–8

Progressive multifocal leukoencephalopathy occurring with the acquired immune deficiency syndrome. England JD, et al. **South Med J** 1984 Aug;77(8):1041–3

Acid–fast bacilli on buffy coat smears in the acquired immunodeficiency syndrome: a lesson from Hansen's bacillus. Graham BS, et al. **South Med J** 1984 Feb; 77(2):246–8

Cerebral toxoplasmosis in a patient with acquired immunodeficiency syndrome. Danziger A, et al. **Surg Neurol** 1983 Oct;20(4):332–4

Retinal manifestations of the acquired immune deficiency syndrome (AIDS): cytomegalovirus, candida albicans, cryptococcus, toxoplasmosis and Pneumocystis carinii. Schuman JS, et al. **Trans Ophthalmol Soc UK** 1983;103 (Pt 2):177–90

Kaposi's sarcoma and malignant lymphoma in AIDS. Leu HJ, et al. **Virchows Arch [A]** 1984;403(2):205–12

The acquired immune deficiency syndrome in Trinidad. A report on two cases. Bartholomew C, et al. **West Indian Med J** 1983 Sep;32(3):177–80

Disseminated coccidioidomycosis in a patient with acquired immune deficiency syndrome. Kovacs A, et al. **West J Med** 1984 Mar;140(3):447–9

Pneumocystis carinii pneumonia and disseminated cytomegalovirus infection in previously healthy bisexual man. Ragalie GF, et al. **Wis Med J** 1983 Nov;82(11):10–4

[A patient with opportunistic infections due to acquired immunodeficiency syndrome] de Graaff CS, et al. **Ned Tijdschr Geneeskd** 1984 Mar 24;128(12):549–53 (Eng. Abstr.) **(Dut)**

[Toxoplasma encephalitis in acquired immunodeficiency syndrome] Vital A, et al. **Ann Pathol** 1984 Jan–Mar; 4(1):80–2 (Eng. Abstr.) **(Fre)**

[AIDS and its association with human tumors and viruses. A viral and/or immunogenetic cause?] Mathé G. **Biomed Pharmacother** 1983;37(4):153–9 (117 ref.) (Eng. Abstr.) **(Fre)**

[Cerebral lymphoma, a complication of the acquired immunodeficiency syndrome (letter)] Blanc AP, et al. **Presse Med** 1984 Mar 31;13(14):884 **(Fre)**

[Acquired ichthyosis in the acquired immunodeficiency syndrome (letter)] Bories C, et al. **Presse Med** 1984 Jun 16;13(25):1573 **(Fre)**

[Acquired immunodeficiency syndrome. Ascites disclosing necrotizing enterocolitis (letter)] Rene E, et al. **Presse Med** 1984 Feb 4;13(4):227 **(Fre)**

[Treatment of opportunistic infections in AIDS] Staszewski S, et al. MMW 1983 Sep 30;125(39):841–4 (Eng. Abstr.) **(Ger)**

[Pneumocystis pneumonia as an expression of acquired immune deficiency (AIDS) in homosexual men] Stark P, et al. **Prax Klin Pneumol** 1984 Jan;38(1):26–8 (Eng. Abstr.) **(Ger)**

[Acquired immunodeficiency syndrome and opportunistic infections (editorial)] Pedro R de J. **Rev Paul Med** 1983 Jul–Aug;101(4):123 **(Por)**

[Acquired immunodeficiency syndrome] Cernescu C. **Rev Ig [Bacteriol]** 1984 Apr–Jun;29(2):111–21 (Eng. Abstr.) **(Rum)**

DIAGNOSIS

Similarities between AIDS and PCM [letter] Gray RH. **Am J Public Health** 1983 Nov;73(11):1332

Diagnostic utility of fiberoptic bronchoscopy in patients with Pneumocystis carinii pneumonia and the acquired immune deficiency syndrome. Coleman DL, et al. **Am Rev Respir Dis** 1983 Nov;128(5):795–9

Oral candidiasis and the acquired immunodeficiency syndrome [letter] Romanowski B, et al. **Ann Intern Med** 1984 Sep;101(3):400–1

Ophthalmologic findings in acquired immune deficiency syndrome (AIDS). Khadem M, et al. **Arch Ophthalmol** 1984 Feb;102(2):201–6

Acquired immune deficiency syndrome [letter] Amerena VC. **Aust Dent J** 1984 Apr;29(2):133

Clinical aspects of the acquired immune deficiency syndrome in the United Kingdom. Weber JN, et al. **Br J Vener Dis** 1984 Aug;60(4):253–7

Disseminated infection due to mycobacterium avium–intracellulare complex [letter] West BC, et al. **Chest** 1984 May;85(5):710–1

Pulmonary manifestations of the acquired immunodeficiency syndrome (AIDS). Wollschlager CM, et al. **Chest** 1984 Feb; 85(2):197–202

Scrofula followed by AIDS [letter] Marchiando A. **Ear Nose Throat J** 1984 Mar;63(3):197–8

Recommendations: Diagnosis of AIDS used by the Centers for Disease Control. **Eur J Cancer Clin Oncol** 1984 Feb; 20(2):169–73

Clinical features of AIDS in Europe. **Eur J Cancer Clin Oncol** 1984 Feb;20(2):165–7

Beta–2 microglobulin: a sensitive non–specific marker for acquired immune deficiency syndrome. Francioli P, et al. **Eur J Clin Microbiol** 1984 Feb;3(1):68–9

Urinary neopterin in the diagnosis of acquired immune deficiency syndrome. Fuchs D, et al. **Eur J Clin Microbiol** 1984 Feb;3(1):70–1

Disseminated Mycobacterium avium–intracellulare infection in acquired immunodeficiency syndrome mimicking Whipple's disease. Gillin JS, et al. **Gastroenterology** 1983 Nov;85(5):1187–91

Fever, cough, anal ulcer in a heterosexual man. de Caprariis PJ, et al. **Hosp Pract [Off]** 1984 Apr;19(4):122, 126, 131, 135 passim

Necropsy findings in acquired immunodeficiency syndrome:

a comparison of premortem diagnoses with postmortem findings. Hui AN, et al. **Hum Pathol** 1984 Jul;15(7):670–6
Immune deficiency presenting as disseminated sporotrichosis. Matter SE, et al. **J Okla State Med Assoc** 1984 Apr; 77(4):114–7
AIDS in South Carolina [editorial] Bryan CS. **J SC Med Assoc** 1983 Aug;79(8):452–3
Widening the definition of AIDS? [letter] Guerin JM, et al. **Lancet** 1984 Jun 30;1(8392):1464–5
Acquired immunodeficiency syndrome with severe gastrointestinal manifestations in Haiti. Malebranche R, et al. **Lancet** 1983 Oct 15;2(8355):873–8
Acquired immune deficiency syndrome presenting as oral pharyngeal and cutaneous Kaposi's sarcoma. NaPier BL, et al. **Laryngoscope** 1983 Nov;93(11 Pt 1):1466–9
Head and neck presentations of acquired immunodeficiency syndrome. Rosenberg RA, et al. **Laryngoscope** 1984 May; 94(5 Pt 1):642–6
Acquired immune deficiency syndrome [letter] **Med J Aust** 1983 Oct 15;2(8):363
Hypervascular follicular hyperplasia and Kaposi's sarcoma in patients at risk for AIDS [letter] Harris NL. **N Engl J Med** 1984 Feb 16;310(7):462–3
Dispute over AIDS patent priority [news] Beardsley T. **Nature** 1984 Jul 19–25;310(5974):174
AIDS control: problems of new blood test [news] Budiansky S. **Nature** 1984 May 10–16;309(5964):106
AIDS development: NIH to license HTLV [news] Budiansky S. **Nature** 1984 Jun 14–20;309(5969):577
AIDS: test companies chosen [news] Budiansky S. **Nature** 1984 Jul 5–11;310(5972):6
Secondary syphilis masquerading as AIDS in a young gay male. Smego RA Jr, et al. **NC Med J** 1984 Apr;45(4):253–4
Disseminated Kaposi's sarcoma in pregnancy: a manifestation of acquired immune deficiency syndrome. Rawlinson KF, et al. **Obstet Gynecol** 1984 Mar;63(3 Suppl):2S–6S
AIDS: Ohio update and comments on diagnosis. Neff JC. **Ohio State Med J** 1984 Feb;80(2):135–8
Kaposi's sarcoma—an acquired immunodeficiency syndrome. Price JA, et al. **Ohio State Med J** 1984 Feb;80(2):143–5
The acquired immune deficiency syndrome in West Virginia: an 'imported' disease. Bernstein JM, et al. **W Va Med J** 1984 Aug;80(8):153–6
[Additional findings on the acquired deficiency syndrome, particularly in children] Holý J. **Cas Lek Cesk** 1982 Nov 11;122(45):1402 **(Cze)**
[The acquired immune deficiency syndrome—a new, thus far unexplained syndrome with a severe course] Sejda J, et al. **Vnitr Lek** 1983 Nov;29(11):1107–13 (Eng. Abstr.) **(Cze)**
[AIDS versus prodromal AIDS (letter)] **Ugeskr Laeger** 1984 Feb 27;146(9):673–4 **(Dan)**
[Acquired immunodeficiency syndrome (AIDS) in 2 homosexuals in Belgium] Unger J, et al. **Acta Clin Belg** 1983;38(6):401–5 (Eng. Abstr.) **(Fre)**
[Acquired immunodeficiency syndrome, Kaposi's disease and cerebral toxoplasmosis in a young man. Review of the literature apropos of a case] Janier M, et al. **Ann Dermatol Venereol** 1984;111(1):11–23 (130 ref.) (Eng. Abstr.) **(Fre)**
[Acquired immunodeficiency syndrome 'AIDS': limits of the unknown] Rozenbaum W. **Ann Med Interne (Paris)** 1984; 135(1):3–6 **(Fre)**
[Acquired immunodeficiency syndrome (AIDS) manifested as severe genital herpes. Apropos of 2 cases] De Maubeuge J, et al. **Dermatologica** 1984;168(3):105–11 (Eng. Abstr.) **(Fre)**
[Acquired immune deficiency syndromes (AIDS) and generalized lymphadenopathy] Francioli P. **Rev Med Suisse Romande** 1983 Dec;103(12):1063–8 **(Fre)**
[Acquired immunodeficiency syndrome (AIDS). Case reports and diagnosis] Braun-Falco O, et al. **MMW** 1983 Dec 2; 125(48):1135–9 (Eng. Abstr.) **(Ger)**
[Differential diagnosis at the bedside. Mycoplasma pneumonia or AIDS?] Karg O, et al. **MMW** 1983 Sep 2; 125(35):72–3 **(Ger)**
[Pneumocystis carinii pneumonia in homosexual males with AIDS] Bergmann L, et al. **Prax Klin Pneumol** 1983 Oct; 37 Suppl 1:1035–8 (Eng. Abstr.) **(Ger)**
[Experiences in the Cologne AIDS consultation] Häusermann L, et al. **Z Hautkr** 1984 Mar 15;59(6):353–4 **(Ger)**
[Initial European AIDS symposium] Gesenhues S. **ZFA (Stuttgart)** 1984 Jan 20;60(2):82–3 **(Ger)**
[Acquired immune deficiency syndrome (AIDS)—A case report] Tamir R, et al. **Harefuah** 1983 Dec 1;105(11):360–1 (Eng. Abstr.) **(Heb)**
[AIDS—acquired immunodeficiency syndrome] Spoljar M, et al. **Lijec Vjesn** 1984 Jan;106(1):21–4 (Eng. Abstr.) **(Scr)**
[Iatrogenic AIDS? 2 possible cases in Barcelona (letter)] **Med Clin (Barc)** 1984 Mar 3;82(8):380–1 **(Spa)**
[Acquired immunodeficiency syndrome in the prodromal phase in a drug addict (letter)] Cardellach F, et al. **Med Clin (Barc)** 1983 Nov 5;81(14):645–6 **(Spa)**
[Acquired immunodeficiency syndrome in a male residing in Barcelona (letter)] Estruch R, et al. **Med Clin (Barc)** 1983 Nov 5;81(14):645 **(Spa)**
[Acquired immunodeficiency syndrome (AIDS) with Kaposi's sarcoma in homosexuals in Argentina (letter)] Estevez ME, et al. **Medicina (B Aires)** 1983;43(4):477 **(Spa)**

DRUG THERAPY

Risks with danazol in the acquired immunodeficiency syndrome [letter] Metroka CE, et al. **Ann Intern Med** 1984 Oct;101(4):564–5
First case of AIDS in a homosexual in Israel. Results of different therapeutic regimens. Marilus R, et al. **Isr J Med Sci** 1984 Mar;20(3):249–51

ETIOLOGY

Cluster of cases of the acquired immune deficiency syndrome. Patients linked by sexual contact. Auerbach DM, et al. **Am J Med** 1984 Mar;76(3):487–92
AIDS surveillance and health education: use of previously described risk factors to identify high-risk homosexuals. Valdiserri RO, et al. **Am J Public Health** 1984 Mar; 74(3):259–60
Haiti and the acquired immunodeficiency syndrome [letter] **Ann Intern Med** 1983 Oct;99(4):565
Nutrition and the acquired immunodeficiency syndrome [letter] Beach RS, et al. **Ann Intern Med** 1983 Oct; 99(4):565–6
The acquired immunodeficiency syndrome in patients with hemophilia. Evatt BL, et al. **Ann Intern Med** 1984 Apr; 100(4):499–504
Heterosexual and homosexual patients with the acquired immunodeficiency syndrome. A comparison of surveillance, interview, and laboratory data. Guinan ME, et al. **Ann Intern Med** 1984 Feb;100(2):213–8
Hepatitis vaccine and the acquired immunodeficiency syndrome [letter] Schwartz AM, et al. **Ann Intern Med** 1983 Oct;99(4):567–8
Does quinine facilitate AIDS? Ruocco V, et al. **Antibiot Chemother** 1983;32:159–60
Acquired immunodeficiency syndrome in a patient with multiple risk factors. Kalish SB, et al. **Arch Intern Med** 1983 Dec;143(12):2310–1
AIDS: an old disease from Africa? De Cock KM. **Br Med J [Clin Res]** 1984 Aug 4;289(6440):306–8
AIDS: an old disease from Africa? [letter] Lacey CJ, et al. **Br Med J [Clin Res]** 1984 Aug 25;289(6443):496
ABC of sexually transmitted diseases. Acquired immune deficiency syndrome. Weller I. **Br Med J [Clin Res]** 1984 Jan 14;288(6411):136–7
AIDS and the use of blood components and derivatives: the Canadian perspective [editorial] Derrick JB. **Can Med Assoc J** 1984 Jul 1;131(1):20–2
Immunologic dysfunction in patients with classic hemophilia receiving lyophilized factor VIII concentrates and cryoprecipitate. Tsoukas C, et al. **Can Med Assoc J** 1983 Oct 1;129(7):713–7
Acquired immune deficiency syndrome, leading to opportunistic infections, Kaposi's sarcoma, and other malignancies. Mansell PW. **CRC Crit Rev Clin Lab Sci** 1984;20(3):191–204 (114 ref.)
Pathogenesis of the acquired immune deficiency syndrome (AIDS). Heng MC. **Cutis** 1983 Sep;32(3):255–7 (47 ref.)
Searching for the cause of the acquired immune deficiency syndrome. Leavitt RD. **Eur J Clin Microbiol** 1984 Feb; 3(1):79–84
AIDS update. **FDA Drug Bull** 1983 Aug;13(2):9–11
AIDS: a medical conundrum. Stahl RE, et al. **J Cutan Pathol** 1983 Dec;10(6):550–8 (62 ref.)
Acquired immune deficiency syndrome possibly related to transfusion in an adult without known disease-risk factors. Gordon SM, et al. **J Infect Dis** 1984 Jun;149(6):1030–2
Prolonged incubation period of AIDS in intravenous drug abusers: epidemiological evidence in prison inmates. Hanrahan JP, et al. **J Infect Dis** 1984 Aug;150(2):263–6
Speculations on the viral etiology of acquired immune deficiency syndrome and Kaposi's sarcoma. Conant MA. **J Invest Dermatol** 1984 Jul;83(1 Suppl):57s–62s (32 ref.)
Transfusion-associated cytomegalovirus infection and acquired immune deficiency syndrome in an infant. Shannon K, et al. **J Pediatr** 1983 Dec;103(6):859–63
Leads from the MMWR. Antibodies to a retrovirus etiologically associated with acquired immunodeficiency syndrome (AIDS) in populations with increased incidences of the syndrome. **JAMA** 1984 Aug 3;252(5):608–9
Spermatozoa and immune dysregulation in homosexual men [letter] **JAMA** 1984 Sep 7;252(9):1130
Cause of acquired immune deficiency syndrome [letter] **JAMA** 1984 Jan 20;251(3):341–2
AIDS and zinc deficiency [letter] Weiner RG. **JAMA** 1984 Sep 21;252(11):1409–10
The cause of AIDS? [editorial] **Lancet** 1984 May 12; 1(8385):1053–4
Fatal AIDS in a haemophiliac in the UK [letter] Daly HM, et al. **Lancet** 1983 Nov 19;2(8360):1190
Fatal AIDS in a UK haemophiliac [letter] Daly HM, et al. **Lancet** 1984 Jan 7;1(8367):44
Unregulated production of virus and/or sperm specific anti-idiotypic antibodies as a cause of AIDS. Hsia S, et al. **Lancet** 1984 Jun 2;1(8388):1212–4
Hepatitis B surface antigen could harbour the infective agent of AIDS. McDonald MI, et al. **Lancet** 1983 Oct 15; 2(8355):882–4
HTLV and AIDS in France [letter] Mathez D, et al. **Lancet** 1984 Apr 7;1(8380):799
AIDS and parasitism [letter] Pearce RB, et al. **Lancet** 1984 Jun 23;1(8391):1411
Role of hepatitis B virus in acquired immunodeficiency syndrome. Ravenholt RT. **Lancet** 1983 Oct 15; 2(8355):885–6
Concerning the genesis of AIDS. Morgan J. **Med Hypotheses** 1984 Jan;13(1):29–30
Pathogenesis of AIDS [letter] Melov J. **Med J Aust** 1984 Feb 4;140(3):177–8
Antibodies to a retrovirus etiologically associated with acquired immunodeficiency syndrome (AIDS) in populations with increased incidences of the syndrome. **MMWR** 1984 Jul 13;33(27):377–9
Other factors to consider in infantile AIDS [letter] **N Engl J Med** 1984 Jul 19;311(3):189–91
Seminal lymphocytes, plasma and AIDS [letter] **Nature** 1984 May 10–16;309(5964):116–7
Semen and AIDS [letter] Rewell RE. **Nature** 1984 May 31–Jun 6;309(5967):394
Semen polyamines in AIDS pathogenesis [letter] Williamson JD. **Nature** 1984 Jul 12–18;310(5973):103
Acquired immune deficiency syndrome (AIDS). Wilson JD. **NZ Med J** 1984 Jan 11;97(747):9–11
The acquired immune deficiency syndrome: viral infections and etiology. Armstrong D. **Prog Med Virol** 1984;30:1–13 (18 ref.)
Koch's postulates and the search for the AIDS agent. Krause RM. **Rev Infect Dis** 1984 Mar-Apr;6(2):270–9
Transfusion-associated AIDS: serologic evidence of human T-cell leukemia virus infection of donors. Jaffe HW, et al. **Science** 1984 Mar 23;223(4642):1309–12
T cell malignancies and human T cell leukemia virus. Gallo RC, et al. **Semin Oncol** 1984 Mar;11(1):12–7
AIDS: research clues for etiology. Lopez C. **Surv Immunol Res** 1984;3(2–3):229–32
Greetings—with a brief look back [editorial] Zuck TF. **Transfusion** 1983 Nov-Dec;23(6):459
Taking a sexual history. Gremminger RA. **Wis Med J** 1983 Nov;82(11):20–4
[Acquired immunodeficiency syndrome] Chang MC, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1983 Nov;16(4):318–27 (80 ref.) **(Chi)**
[Chronic adenopathies in persons exposed to the risk of acquired immunodeficiency syndrome (letter)] Clauvel JP, et al. **Presse Med** 1984 Jun 2;13(23):1456 **(Fre)**
[Acquired immunodeficiency syndrome (AIDS)] Ueda Y. **Nippon Rinsho** 1983 Sep;41(9):2185–90 (18 ref.) **(Jpn)**
[New immunologic syndrome—AIDS] Mazurkiewicz W. **Przegl Dermatol** 1984 Jan–Feb;71(1):11–5 (29 ref.) **(Pol)**
[The acquired immunodeficiency syndrome and the transfusion service] Hrubiško M. **Vnitr Lek** 1984 Feb; 30(2):147–51 (Eng. Abstr.) **(Slo)**
[Acquired immunodeficiency syndrome] Christenson B, et al. **Bol Asoc Med PR** 1983 Sep;75(9):408–12 (Eng. Abstr.) **(Spa)**
[AIDS or not AIDS? Comments on the acquired immune deficiency syndrome] Ollé Goig JE. **Med Clin (Barc)** 1984 Jul 14;83(6):244–8 **(Spa)**
[Acquired immunodeficiency syndrome: apropos of a case in an intravenous heroin user (letter)] Pintor Escobar A, et al. **Med Clin (Barc)** 1984 Jan 14;82(1):42 **(Spa)**
[Acquired immunodeficiency syndrome and the treatment of hemophilia (letter)] Vicente V, et al. **Med Clin (Barc)** 1983 Jul 16;81(5):231–2 **(Spa)**

FAMILIAL & GENETIC

Burkitt's lymphoma in AIDS: cytogenetic study. Whang-Peng J, et al. **Blood** 1984 Apr;63(4):818–22
HLA studies in acquired immune deficiency syndrome patients with Kaposi's sarcoma. Prince HE, et al. **J Clin Immunol** 1984 May;4(3):242–5
An immunologic study of spouses and siblings of asymptomatic hemophiliacs. Ragni MV, et al. **Scand J Haematol [Suppl]** 1984;40:373

HISTORY

AIDS in 1959? [letter] Williams G, et al. **Lancet** 1983 Nov 12;2(8359):1136

IMMUNOLOGY

Immunological studies of male homosexuals with the prodrome of the acquired immunodeficiency syndrome (AIDS). Hersh EM, et al. **Adv Exp Med Biol** 1983; 166:285–93
A longitudinal study of a patient with acquired immunodeficiency syndrome using T cell subset analysis. Siegel RL, et al. **Adv Exp Med Biol** 1983;166:295–303
Quantitative changes in T helper or T suppressor/cytotoxic lymphocyte subsets that distinguish acquired immune deficiency syndrome from other immune subset disorders. Fahey JL, et al. **Am J Med** 1984 Jan;76(1):95–100
Coccidioidomycosis in acquired immune deficiency syndrome. Depressed humoral as well as cellular immunity. Roberts CJ. **Am J Med** 1984 Apr;76(4):734–6
The acquired immunodeficiency syndrome [letter] **Ann Intern Med** 1983 Nov;99(5):734–6
In-vivo immunomodulation by isoprinosine in patients with the acquired immunodeficiency syndrome and related complexes. Grieco MH, et al. **Ann Intern Med** 1984 Aug; 101(2):206–7
Lymphocytic subsets in the acquired immunodeficiency syndrome [letter] Gupta S, et al. **Ann Intern Med** 1983 Oct;99(4):566–7

The Coombs' test and the acquired immunodeficiency syndrome [letter] Gupta S, et al. **Ann Intern Med** 1984 Mar;100(3):462

Immunological evaluation of acquired immune deficiency syndrome patients in France: preliminary results. Cavaille-Coll M, et al. **Antibiot Chemother** 1983;32:105–11

AIDS in Denmark and immunological parameters among homosexual danish men with special reference to the prognosis of patients with low H/S ratios. A report from the CAID. Gerstoft J, et al. **Antibiot Chemother** 1983; 32:127–37

Immunologic alterations in acquired immune deficiency syndrome. Gottlieb MS, et al. **Antibiot Chemother** 1983; 32:99–104 (27 ref.)

Acquired immune deficiency syndrome, altered T cell subset ratios, and cytomegalovirus infections among male homosexuals in The Netherlands. Goudsmit J, et al. **Antibiot Chemother** 1983;32:138–46

Transient immunoglobulin and antibody production. Occurrence in two patients with common varied immunodeficiency. Zielinski CC, et al. **Arch Intern Med** 1983 Oct;143(10):1937–40

Screening for acquired immune deficiency syndrome with dinitrochlorobenzene [letter] McLeod WA, et al. **Can Med Assoc J** 1984 Jan 15;130(2):100–1

Critical analysis of T cell subset and function evaluation in patients with persistent generalized lymphadenopathy in groups at risk for AIDS. Cavaille-Coll M, et al. **Clin Exp Immunol** 1984 Sep;57(3):511–9

Lymphocyte phenotypes in patients with highly reduced T inducer to T cytotoxic/suppressor ratio. Herrmann F. **Clin Exp Immunol** 1984 May;56(2):476–8

Immunoperoxidase evaluation of lymph nodes from acquired immune deficiency patients. Mangkornkanok-Mark M, et al. **Clin Exp Immunol** 1984 Mar;55(3):581–6

Induction of antibody to asialo GM1 by spermatozoa and its occurrence in the sera of homosexual men with the acquired immune deficiency syndrome (AIDS). Witkin SS, et al. **Clin Exp Immunol** 1983 Nov;54(2):346–50

Lymphocytotoxic antibodies in the acquired immune deficiency syndrome (AIDS). Kloster BE, et al. **Clin Immunol Immunopathol** 1984 Feb;30(2):330–5

The presence of immunoglobulin D in endocrine disorders and diseases of immunoregulation, including the acquired immunodeficiency syndrome. Papadopoulos NM, et al. **Clin Immunol Immunopathol** 1984 Aug;32(2):248–52

Suppressor T cells and the immune response to tumors. Schatten S, et al. **CRC Crit Rev Immunol** 1984;4(4):335–79 (302 ref.)

Presence of viral antibodies to the human lymphoma-leukemia virus in patients with acquired immune deficiency syndrome. Born M, et al. **Eur J Clin Microbiol** 1984 Feb;3(1):77–8

'Highly abnormal' B-cell function found in AIDS [news] **Hosp Pract** 1983 Oct;18(10):32, 34, 40

AIDS immunopathologic network a tangled web [news] **Hosp Pract [Off]** 1984 Jan;19(1):39–40, 42–4, 46–8 passim

Interleukin 2 augmentation of natural killer cell activity in homosexual men with acquired immune deficiency syndrome. Reddy MM, et al. **Infect Immun** 1984 May; 44(2):339–43

Immunoregulatory T cells in men with a new acquired immunodeficiency syndrome. Benveniste E, et al. **J Clin Immunol** 1983 Oct;3(4):359–67

Defective T-cell response to PHA and mitogenic monoclonal antibodies in male homosexuals with acquired immunodeficiency syndrome and its in vitro correction by interleukin 2. Ciobanu N, et al. **J Clin Immunol** 1983 Oct; 3(4):332–40

Cell-mediated immunity to cytomegalovirus (CMV) and herpes simplex virus (HSV) antigens in the acquired immune deficiency syndrome: interleukin-1 and interleukin-2 modify in vitro responses. Sheridan JF, et al. **J Clin Immunol** 1984 Jul;4(4):304–11

Lymphocyte-reactive antibodies in acquired immune deficiency syndrome. Williams RC Jr, et al. **J Clin Immunol** 1984 Mar;4(2):118–23

Soluble suppressor factors in patients with acquired immune deficiency syndrome and its prodrome. Elaboration in vitro by T lymphocyte-adherent cell interactions. Laurence J, et al. **J Clin Invest** 1983 Dec;72(6):2072–81

Functional T lymphocyte immune deficiency in a population of homosexual men who do not exhibit symptoms of acquired immune deficiency syndrome. Shearer GM, et al. **J Clin Invest** 1984 Aug;74(2):496–506

Depressed interleukin 2 receptor expression in acquired immune deficiency and lymphadenopathy syndromes. Prince HE, et al. **J Immunol** 1984 Sep;133(3):1313–7

Severe combined immunodeficiency associated with absent T4+ helper cells. Edwards KM, et al. **J Pediatr** 1984 Jul; 105(1):70–2

B-cell immunodeficiency in acquired immune deficiency syndrome. Ammann AJ, et al. **JAMA** 1984 Mar 16; 251(11):1447–9

HTLV-III seropositivity in AIDS [letter] Behan WM, et al. **Lancet** 1984 Jun 9;1(8389):1292

Detection of IgG antibodies to lymphadenopathy-associated virus in patients with AIDS or lymphadenopathy syndrome. Brun-Vezinet F, et al. **Lancet** 1984 Jun 9; 1(8389):1253–6

Abnormalities of circulating lymphocyte subsets in haemophiliacs in an AIDS-free population. Carr R, et al. **Lancet** 1984 Jun 30;1(8392):1431–4

Exogenous interleukin-2 and mitogen responses in AIDS patients [letter] Cavaille-Coll M, et al. **Lancet** 1984 Jun 2;1(8388):1245

Prevalence of antibody to human T-lymphotropic virus type III in AIDS and AIDS-risk patients in Britain. Cheingsong-Popov R, et al. **Lancet** 1984 Sep 1; 2(8401):477–80

IgG subglass deficiencies in children with suspected AIDS [letter] Church JA, et al. **Lancet** 1984 Feb 4;1(8371):279

Idiotypes and AIDS [letter] Gheuens J. **Lancet** 1984 Jul 7; 2(8393):41

Human recombinant interleukin-2 partly reconstitutes deficient in-vitro immune responses of lymphocytes from patients with AIDS. Lifson JD, et al. **Lancet** 1984 Mar 31;1(8379):698–702

Antibody to lymphadenopathy-associated virus in haemophiliacs with and without AIDS [letter] Ramsey RB, et al. **Lancet** 1984 Aug 18;2(8399):397–8

HTLV-I-specific antibody in AIDS patients and others at risk. Robert-Guroff M, et al. **Lancet** 1984 Jul 21; 2(8395):128–31

Seroepidemiological studies of human T-lymphotropic retrovirus type III in acquired immunodeficiency syndrome. Safai B, et al. **Lancet** 1984 Jun 30; 1(8392):1438–40

Low prevalence in the UK of HTLV-I and HTLV-II infection in subjects with AIDS, with extended lymphadenopathy, and at risk of AIDS. Tedder RS, et al. **Lancet** 1984 Jul 21;2(8395):125–8

Concerning the genesis of AIDS. Morgan J. **Med Hypotheses** 1984 Apr;13(4):357–8

Reduced Ia-positive Langerhans' cells in AIDS [letter] **N Engl J Med** 1984 Sep 27;311(13):857–8

B-cell abnormalities in AIDS [letter] **N Engl J Med** 1984 Jan 26;310(4):258–9

Reduced Langerhans' cell Ia antigen and ATPase activity in patients with the acquired immunodeficiency syndrome. Belsito DV, et al. **N Engl J Med** 1984 May 17; 310(20):1279–82

Cell-mediated immune responses in AIDS [letter] Buimovici-Klein E, et al. **N Engl J Med** 1984 Aug 2; 311(5):328–9

Circulating immune complexes in AIDS [letter] Gupta S, et al. **N Engl J Med** 1984 Jun 7;310(23):1530–1

Impaired production of lymphokines and immune (gamma) interferon in the acquired immunodeficiency syndrome. Murray HW, et al. **N Engl J Med** 1984 Apr 5;310(14):883–9

Acquired immunodeficiency syndrome in infants. Scott GB, et al. **N Engl J Med** 1984 Jan 12;310(2):76–81

In vitro augmentation of interleukin-2 production and lymphocytes with the TAC antigen marker in patients with AIDS [letter] Tsang KY, et al. **N Engl J Med** 1984 Apr 12;310(15):987

AIDS priority [letter] Montagnier L. **Nature** 1984 Aug 9–15; 310(5977):446

Semen and AIDS [letter] Shearer GM, et al. **Nature** 1984 Mar 15–21;308(5956):230

Lymphocytotoxic antibodies to non-HLA antigens in the sera of patients with acquired immunodeficiency syndrome (AIDS). Pollack MS, et al. **Prog Clin Biol Res** 1983; 133:209–13

The science base underlying research on acquired immune deficiency syndrome. Taube S, et al. **Public Health Rep** 1983 Nov-Dec;98(6):559–65 (23 ref.)

Acquired neutrophil dysfunction in male homosexuals with the acquired immunodeficiency syndrome [letter] Ras GJ, et al. **S Afr Med J** 1984 Jun 2;65(22):873–4

AIDS and immunologic abnormalities in European and American hemophiliacs. Green D. **Scand J Haematol [Suppl]** 1984;40:367–9

Immunoregulatory lymphokines of T hybridomas from AIDS patients: constitutive and inducible suppressor factors. Laurence J, et al. **Science** 1984 Jul 6;225(4657):66–9

Antibodies reactive with human T-lymphotropic retroviruses (HTLV-III) in the serum of patients with AIDS. Sarngadharan MG, et al. **Science** 1984 May 4; 224(4648):506–8

Antigens on HTLV-infected cells recognized by leukemia and AIDS sera are related to HTLV viral glycoprotein. Schüpbach J, et al. **Science** 1984 May 11;224(4649):607–10

Immune function and dysfunction in AIDS. Siegal FP. **Semin Oncol** 1984 Mar;11(1):29–39 (84 ref.)

Immunologic findings in Texas homosexual men: relationship to the acquired immune deficiency syndrome. Newman JT, et al. **Tex Med** 1983 Nov;79(11):44–7

Opportunistic infections and impaired cell-mediated immune responses in patients with the acquired immune deficiency syndrome. Roberts RB, et al. **Trans Am Clin Climatol Assoc** 1983;95:40–51

[Immunologic findings in homosexual males with generalized lymphadenopathy. Prodromal state of acquired immunodeficiency syndrome?] Kalden JR, et al. **Klin Wochenschr** 1983 Nov 2;61(21):1067–73 (Eng. Abstr.) **(Ger)**

[Antibodies against human T-cell leukemia virus (HTLV) in male homosexuals with acquired immunodeficiency syndrome] Kurth R, et al. **MMW** 1983 Dec 2; 125(48):1119–23 (Eng. Abstr.) **(Ger)**

[Specific antibodies against human T cell leukemia virus found in AIDS patients] Nagy K, et al. **Orv Hetil** 1984 Jun 24;125(26):1557–60 (Eng. Abstr.) **(Hun)**

[Acquired immunodeficiency syndrome (AIDS): report of the 1st autochthnous case in Brazil and immunological study] Amato Neto V, et al. **Rev Paul Med** 1983 Jul-Aug; 101(4):165–8 (Eng. Abstr.) **(Por)**

[Acquired immunodeficiency syndrome: state of immunological dysfunction in focus (editorial)] Santaella ML. **Bol Asoc Med PR** 1983 Sep;75(9):391–2 **(Spa)**

[Immunologic characteristics of acquired immunodeficiency syndrome] Velasco M. **Rev Med Chil** 1983 Dec; 111(12):1299–300 **(Spa)**

[Changes in B-lymphocytes in AIDS (letter)] Ruiz-Argüelles GJ. **Sangre (Barc)** 1984;29(2):223–4 **(Spa)**

[Lymphocyte populations in hemophilia A and B. Relation to acquired immunodeficiency syndrome and therapeutic implications] Vicente V, et al. **Sangre (Barc)** 1983; 28(3):318–29 (Eng. Abstr.) **(Spa)**

METABOLISM

Interleukin-2 production and response to exogenous interleukin-2 in a patient with the acquired immune deficiency syndrome (AIDS). Hauser GJ, et al. **Clin Exp Immunol** 1984 Apr;56(1):14–7

Elevated beta 2-microglobulin and lysozyme levels in patients with acquired immune deficiency syndrome. Grieco MH, et al. **Clin Immunol Immunopathol** 1984 Aug; 32(2):174–84

MICROBIOLOGY

Unidentified virus-like particles in the intestine of patients with the acquired immunodeficiency syndrome. Chandler FW, et al. **Ann Intern Med** 1984 Jun;100(6):851–3

Bacteremia due to Mycobacterium avium-intracellulare in the acquired immunodeficiency syndrome. Macher AM, et al. **Ann Intern Med** 1983 Dec;99(6):782–5

Human T-cell leukemia virus in lymphocytes of two hemophiliacs with the acquired immunodeficiency syndrome. Palmer EL, et al. **Ann Intern Med** 1984 Sep; 101(3):293–7

Isolation of a new retrovirus in a patient at risk for acquired immunodeficiency syndrome. Chermann JC, et al. **Antibiot Chemother** 1983;32:48–53

Mycobacterium xenopi infection in a patient with acquired immunodeficiency syndrome. Eng RH, et al. **Chest** 1984 Jul;86(1):145–7

Necroscopic findings of variably acid-fast bacteria in a fatal case of acquired immunodeficiency syndrome and Kaposi's sarcoma. Cantwell AR Jr. **Growth** 1983 Summer; 47(2):129–34

Electron microscopic evidence of non-A, non-B hepatitis markers and virus-like particles in immunocompromised humans. Watanabe S, et al. **Hepatology** 1984 Jul-Aug; 4(4):628–32

Etiology of AIDS [letter] Ammann AJ. **JAMA** 1984 Sep 14;252(10):1281–2

French, US viral isolates compared in search for cause of AIDS [news] Marwick C, et al. **JAMA** 1984 Jun 8; 251(22):2901–3, 2907–9

HTLV and AIDS in West Germany [letter] Born M, et al. **Lancet** 1984 Jan 28;1(8370):222

Isolation of human T-lymphotropic retrovirus (LAV) from Zairian married couple, one with AIDS, one with prodromes. Ellrodt A, et al. **Lancet** 1984 Jun 23; 1(8391):1383–5

'Virus-like particles' in lymphocytes in AIDS are normal organelles, not viruses [letter] Gardiner T, et al. **Lancet** 1983 Oct 22;2(8356):963–4

Hepatitis B virus in AIDS [letter] Lie-Injo LE. **Lancet** 1984 Jan 7;1(8367):54

Virus isolation studies in simian AIDS [letter] Marx PA, et al. **Lancet** 1984 Feb 18;1(8373):403

Antibodies to HTLV-III associated antigens in populations exposed to AIDS virus in France [letter] Mathez D, et al. **Lancet** 1984 Aug 25;2(8400):460

Lymphadenopathy associated virus in AIDS, lymphadenopathy associated syndrome, and classic Kaposi patients in Greece [letter] Papaevangelou G, et al. **Lancet** 1984 Sep 15;2(8403):642

Type D retrovirus in prodromal AIDS? [letter] Warner TF, et al. **Lancet** 1984 Apr 14;1(8381):860

A possible cause of acquired immune deficiency syndrome (AIDS) and other new diseases. de Long R. **Med Hypotheses** 1984 Apr;13(4):395–7

'Trojan Horse' leukocytes in AIDS [letter] Anderson DJ, et al. **N Engl J Med** 1983 Oct 20;309(16):984–5

Virus-like rods in a lymphoid line from an infant with AIDS [letter] Burrage TG, et al. **N Engl J Med** 1984 May 31; 310(22):1460–1

Cyclosporin immunosuppression as the possible cause of AIDS [letter] Sell KW, et al. **N Engl J Med** 1983 Oct 27;309(17):1065

Causation of AIDS revealed [news] Groopman JE. **Nature** 1984 Apr 26–May 2;308(5962):769

AIDS research. Is there really a virus? [news] Linnebank G. **Nature** 1983 Sep 22–28;305(5932):264

Caution on AIDS viruses [letter] Sonnabend JA. **Nature** 1984 Jul 12–18;310(5973):103

Retroviruses linked with AIDS [news] Weiss R. **Nature** 1984 May 3–9;309(5963):12–3

Koch's postulates and the search for the AIDS agent. Krause RM. **Public Health Rep** 1984 May-Jun;99(3):291–9

Homology of genome of AIDS-associated virus with

genomes of human T-cell leukemia viruses. Arya SK, et al. **Science** 1984 Aug 31;225(4665):927–30
Lymphadenopathy associated virus infection of a blood donor—recipient pair with acquired immunodeficiency syndrome. Feorino PM, et al. **Science** 1984 Jul 6; 225(4657):69–72
Frequent detection and isolation of cytopathic retroviruses (HTLV–III) from patients with AIDS and at risk for AIDS. Gallo RC, et al. **Science** 1984 May 4;224(4648):500–3
Antibodies to the core protein of lymphadenopathy–associated virus (LAV) in patients with AIDS. Kalyanaraman VS, et al. **Science** 1984 Jul 20; 225(4659):321–3
Selective tropism of lymphadenopathy associated virus (LAV) for helper–inducer T lymphocytes. Klatzmann D, et al. **Science** 1984 Jul 6;225(4657):59–63
Isolation of lymphocytopathic retroviruses from San Francisco patients with AIDS. Levy JA, et al. **Science** 1984 Aug 24;225(4664):840–2
Strong new candidate for AIDS agent [news] Marx JL. **Science** 1984 May 4;224(4648):475–7
Detection, isolation, and continuous production of cytopathic retroviruses (HTLV–III) from patients with AIDS and pre–AIDS. Popovic M, et al. **Science** 1984 May 4; 224(4648):497–500
Serological analysis of a subgroup of human T–lymphotropic retroviruses (HTLV–III) associated with AIDS. Schüpbach J, et al. **Science** 1984 May 4;224(4648):503–5
[Acquired immunodeficiency syndrome. A new disease of infectious origin?] **Presse Med** 1983 Nov 5;12(39):2453–6 (Eng. Abstr.) **(Fre)**
[Adenovirus and acquired immunodeficiency syndrome/Kaposi sarcoma (letter)] Ingrand D, et al. **Presse Med** 1983 Dec 17;12(46):2949 **(Fre)**
[Acquired immunodeficiency syndrome—a new virus infection?] **Vopr Virusol** 1983 Jul–Aug;28(4):124–6 **(Rus)**
[AIDS, acquired immunodeficiency syndrome and its possible link to human T–cell leukemia–lymphoma virus, the retrovirus inducer of T–cell leukemia in the adult] Dosne Pasqualini C, et al. **Medicina (B Aires)** 1983; 43(4):472–4 **(Spa)**

MORTALITY

Death in the AIDS patient: role of cytomegalovirus [letter] Macher AM, et al. **N Engl J Med** 1983 Dec 8;309(23):1454

OCCURRENCE

Acquired immune deficiency syndrome (AIDS) trends in the United States, 1978–1982. Selik RM, et al. **Am J Med** 1984 Mar;76(3):493–500
Acquired immune deficiency syndrome. The first cases in Finland. Valle SL, et al. **Ann Clin Res** 1983;15(5–6):203–5
Only homosexual Haitians, not all Haitians [letter] Altema R, et al. **Ann Intern Med** 1983 Dec;99(6):877–8
Epidemiology of acquired immune deficiency syndrome. Haverkos HW. **Antibiot Chemother** 1983;32:18–26 (11 ref.)
Physicians should report cases of acquired immune deficiency syndrome [editorial] Drotman DP. **Arch Intern Med** 1983 Dec;143(12):2247
Acquired immune deficiency syndrome in Britain, August 1983. **Br Med J [Clin Res]** 1983 Oct 22;287(6400):1205
Surveillance of AIDS in Britain: September 1983. **Br Med J [Clin Res]** 1983 Oct 29;287(6401):1284
AIDS in Europe. Ebbesen P, et al. **Br Med J [Clin Res]** 1983 Nov 5;287(6402):1324–6 (33 ref.)
AIDS in Haitian immigrants and in a Caucasian woman closely associated with Haitians. Laverdière M, et al. **Can Med Assoc J** 1983 Dec 1;129(11):1209–12
Communicable disease report. April to June 1983. **Community Med** 1983 Nov;5(4):330–2
The epidemiology of AIDS in Europe. **Eur J Cancer Clin Oncol** 1984 Feb;20(2):157–64
Acquired immune deficiency syndrome (AIDS) in Europe. **Eur J Clin Microbiol** 1984 Feb;3(1):53–84
AIDS: African connection [editorial] Braveny I. **Eur J Clin Microbiol** 1983 Dec;2(6):521–2
Acquired immune deficiency syndrome in France. Brunet JB. **Eur J Clin Microbiol** 1984 Feb;3(1):66
Persistent lymphadenopathy in patients at risk of contracting acquired immune deficiency syndrome. Clauvel JP, et al. **Eur J Clin Microbiol** 1984 Feb;3(1):72
Acquired immune deficiency syndrome in Belgium. Clumeck N. **Eur J Clin Microbiol** 1984 Feb;3(1):59–60
Clinical and epidemiological survey of acquired immune deficiency syndrome in Europe. Glauser MP, et al. **Eur J Clin Microbiol** 1984 Feb;3(1):55–8
Acquired immune deficiency syndrome in the Federal Republic of Germany. L'age–Stehr J. **Eur J Clin Microbiol** 1984 Feb;3(1):61
Acquired immune deficiency syndrome in the United Kingdom. McEvoy M. **Eur J Clin Microbiol** 1984 Feb; 3(1):63–4
Acquired immune deficiency syndrome in Scandinavia. Repo H, et al. **Eur J Clin Microbiol** 1984 Feb;3(1):65
Acquired immune deficiency syndrome in Switzerland. Somaini B. **Eur J Clin Microbiol** 1984 Feb;3(1):67
Acquired immune deficiency syndrome in the Netherlands. Vandenbroucke–Grauls CM, et al. **Eur J Clin Microbiol** 1984 Feb;3(1):62
Description of an emerging epidemic: the acquired immunodeficiency syndrome (AIDS). Muggia FM. **Gan To Kagaku Ryoho** 1983 Dec;10(12):2429–41 (34 ref.)
Current status of AIDS. McCabe RE, et al. **Infection** 1984 Mar–Apr;12(2):55–7
Haiti and the AIDS connection. Barry M, et al. **J Chronic Dis** 1984;37(7):593–5
From The National Institutes of Health. Summary of the National Institutes of Health Research Workshop on the Epidemiology of the Acquired Immunodeficiency Syndrome (AIDS). Edelman R. **J Infect Dis** 1984 Aug; 150(2):295–303
Acquired immune deficiency syndrome in Kentucky. Felser JM, et al. **J Ky Med Assoc** 1983 Sep;81(9):703–6
A case of AIDS in New Orleans. Olive SR. **J La State Med Soc** 1983 Sep;135(9):4–5, 7
Is AIDS an epidemic form of African Kaposi's sarcoma? Discussion paper. Weber J. **J R Soc Med** 1984 Jul; 77(7):572–6
Leads from the MMWR. Acquired immunodeficiency syndrome among patients with hemophilia. **JAMA** 1983 Dec 23–30;250(24):3277–8
Leads from the MMWR. Acquired immunodeficiency syndrome – Europe. **JAMA** 1983 Dec 23–30;250(24):3278
'Confidentiality' issues may cloud epidemiologic studies of AIDS [news] Marwick C. **JAMA** 1983 Oct 21; 250(15):1945–6
The syndrome of unexplained generalized lymphadenopathy in young men in New York City. Is it related to the acquired immune deficiency syndrome? Miller B, et al. **JAMA** 1984 Jan 13;251(2):242–6
Unexplained immunodeficiency in children. A surveillance report. Thomas PA, et al. **JAMA** 1984 Aug 3;252(5):639–44
AIDS in 1968 [letter] Witte MH, et al. **JAMA** 1984 May 25;251(20):2657
AIDS on Trinidad [letter] Bartholomew C, et al. **Lancet** 1984 Jan 14;1(8368):103
AIDS in West Germany [letter] L'age–Stehr J, et al. **Lancet** 1983 Dec 10;2(8363):1370–1
AIDS and hospital workers [letter] McEvoy MB, et al. **Lancet** 1984 Jun 2;1(8388):1245
Acquired immunodeficiency syndrome in a heterosexual population in Zaire. Piot P, et al. **Lancet** 1984 Jul 14; 2(8394):65–9
AIDS in Italy [letter] Rezza G, et al. **Lancet** 1984 Sep 15; 2(8403):642
AIDS in a woman in England [letter] Smith CL, et al. **Lancet** 1983 Oct 8;2(8354):846
Acquired immunodeficiency syndrome in Rwanda. Van de Perre P, et al. **Lancet** 1984 Jul 14;2(8394):62–5
AIDS in a black Malian [letter] Vittecoq D, et al. **Lancet** 1983 Oct 29;2(8357):1023
Epidemiology of AIDS [letter] Pamnany L. **Med J Aust** 1984 Apr 14;140(8):506
Acquired immunodeficiency syndrome. Epidemiologic update. Kuritsky JN, et al. **Minn Med** 1984 Jan;67(1):37–41
Update: acquired immunodeficiency syndrome (AIDS)—United States. **MMWR** 1984 Jun 22;33(24):337–9
Acquired immunodeficiency syndrome (AIDS)—Europe. **MMWR** 1983 Nov 25;32(46):610–1
Update: acquired immunodeficiency syndrome (AIDS) among patients with hemophilia—United States. **MMWR** 1983 Dec 2;32(47):613–5
Acquired immunodeficiency syndrome (AIDS)—Canada. **MMWR** 1983 Dec 9;32(48):635–6
Update: acquired immunodeficiency syndrome (AIDS) – United States. **MMWR** 1984 Jan 6;32(52):688–91
Acquired immune deficiency syndrome (AIDS). Bayer WL, et al. **Mo Med** 1983 Dec;80(12):756–8
Medical response to AIDS epidemics [letter] Bender BS, et al. **N Engl J Med** 1984 Feb 9;310(6):389
Acquired immunodeficiency syndrome in African patients. Clumeck N, et al. **N Engl J Med** 1984 Feb 23;310(8):492–7
Malnutrition or AIDS in Haiti? [letter] Mellors JW, et al. **N Engl J Med** 1984 Apr 26;310(17):1119–20
Groups at high risk for AIDS [letter] Ollé–Goig JE. **N Engl J Med** 1984 Jul 12;311(2):124
Characteristics of the acquired immunodeficiency syndrome (AIDS) in Haiti. Pape JW, et al. **N Engl J Med** 1983 Oct 20;309(16):945–50
AIDS. Plan for European centre agreed [news] **Nature** 1983 Oct 27–Nov 2;305(5937):751
The AIDS epidemic: continental drift [news] Groopman JE, et al. **Nature** 1984 Jan 19–25;307(5948):211–2
Eastern AIDS [news] Rich V. **Nature** 1984 Mar 8–14; 308(5955):105
Acquired immune deficiency syndrome abroad. The new immune deficiency disease is now found in several countries: links to Central Africa and Haiti may provide clues to its origin [news] Marx JL. **Science** 1983 Dec 2; 222(4627):998–9
Epidemiology of the acquired immunodeficiency syndrome (AIDS) in the United States. Allen JR. **Semin Oncol** 1984 Mar;11(1):4–11
Is our blood supply safe? Fritz RD, et al. **Wis Med J** 1983 Nov;82(11):26–7
[Acquired immunodeficiency syndrome] **Ned Tijdschr Geneeskd** 1984 Mar 24;128(12):591 **(Dut)**
[Acquired immunodeficiency syndrome in the Netherlands and United States] **Ned Tijdschr Geneeskd** 1983 Jul 30; 127(31):1414–5 **(Dut)**
[Acquired immunodeficiency syndrome] **Ned Tijdschr Geneeskd** 1983 Dec 10;127(50):2308–9 **(Dut)**
[AIDS—the first cases in Finland] Repo H, et al. **Duodecim** 1984;100(11):556–67 **(Fin)**
[Acquired immunodeficiency syndrome in the adult. Its value in tropical medicine] Coulaud JP, et al. **Med Trop (Mars)** 1984 Jan–Mar;44(1):9–15 (Eng. Abstr.) **(Fre)**
[Acquired immunodeficiency syndrome (AIDS) in male homosexuals in Frankfurt am Main] Helm EB, et al. **MMW** 1983 Dec 2;125(48):1129–34 (Eng. Abstr.) **(Ger)**
[AIDS in Switzerland] Somaini B. **Schweiz Med Wochenschr** 1984 Apr 21;114(16):538–44 (Eng. Abstr.) **(Ger)**
[The first case of AIDS in the Tyrol] Auhuber I, et al. **Wien Klin Wochenschr** 1984 May 25;96(11):426–7 (Eng. Abstr.) **(Ger)**
[Epidemiology of AIDS] Seale J. **Z Hautkr** 1984 Apr 15; 59(8):525–8 (Eng. Abstr.) **(Ger)**
[Recent progress in research on AIDS (acquired immune deficiency syndrome)] Pana A, et al. **Recenti Prog Med** 1983 Aug;74(8):879–87 (53 ref.) (Eng. Abstr.) **(Ita)**
[New aspects of AIDS] Gerstoft J. **Nord Med** 1983; 98(10):231–3 **(Nor)**
[AIDS: statistics in Puerto Rico and useful references] Rigau–Pérez JG, et al. **Bol Asoc Med PR** 1984 Mar; 76(3):120–2 (Eng. Abstr.) **(Spa)**
[Acquired immunodeficiency syndrome (AIDS) in Spain (letter)] Arnau de Bolós JM, et al. **Med Clin (Barc)** 1984 May 12;82(18):827 **(Spa)**
[The acquired immunodeficiency syndrome in Mexico (letter)] Ruiz–Argüelles GJ, et al. **Rev Invest Clin** 1983 Oct–Dec;35(4):265–6 **(Spa)**

PATHOLOGY

Cytologic findings in homosexual males with acquired immunodeficiency. Lobenthal SW, et al. **Acta Cytol (Baltimore)** 1983 Nov–Dec;27(6):597–604
Acquired immune deficiency syndrome (AIDS) manifesting as anogenital herpes zoster eruption: demonstration of virus–like particles in lymphocytes. Thune P, et al. **Acta Derm Venereol (Stockh)** 1983;63(6):540–3
Primary lymphoma of the brain associated with AIDS. A study of one case. Payan MJ, et al. **Acta Neuropathol (Berl)** 1984;64(1):78–80
Cytomegalovirus retinitis in the acquired immunodeficiency syndrome (AIDS). Light–microscopical, ultrastructural and immunohistochemical examination of a case. Jensen OA, et al. **Acta Ophthalmol (Copenh)** 1984 Feb;62(1):1–9
Lymphadenopathy in a heterogeneous population at risk for the acquired immunodeficiency syndrome (AIDS)—a morphologic study. Domingo J, et al. **Am J Clin Pathol** 1983 Nov;80(5):649–54
Acquired immune deficiency syndrome: postmortem findings. Guarda LA, et al. **Am J Clin Pathol** 1984 May; 81(5):549–57
Lymphoma versus AIDS [letter] Mead JH, et al. **Am J Clin Pathol** 1983 Oct;80(4):546–7
Pathologic features of the lung in the acquired immune deficiency syndrome (AIDS): an autopsy study of seventeen homosexual males. Nash G, et al. **Am J Clin Pathol** 1984 Jan;81(1):6–12
Ultrastructural markers of lymph nodes in patients with acquired immune deficiency syndrome and in homosexual males with unexplained persistent lymphadenopathy. A quantitative study. Onerheim RM, et al. **Am J Clin Pathol** 1984 Sep;82(3):280–8
Multiple infections and death in a homosexual man [clinical conference] **Am J Med** 1983 Nov;75(5):855–67
Histopathologic changes in macaques with an acquired immunodeficiency syndrome (AIDS). King NW, et al. **Am J Pathol** 1983 Dec;113(3):382–8
The pathology of an epizootic of acquired immunodeficiency in rhesus macaques. Osborn KG, et al. **Am J Pathol** 1984 Jan;114(1):94–103
The lymphoid lesions associated with the acquired immunodeficiency syndrome. Ioachim HL, et al. **Am J Surg Pathol** 1983 Sep;7(6):543–53
Bone marrow abnormalities in the acquired immunodeficiency syndrome [letter] Franco CM, et al. **Ann Intern Med** 1984 Aug;101(2):275–6
Glomerular lesions in the acquired immunodeficiency syndrome. Pardo V, et al. **Ann Intern Med** 1984 Oct; 101(4):429–34
Adrenal necrosis in the acquired immunodeficiency syndrome. Tapper ML, et al. **Ann Intern Med** 1984 Feb; 100(2):239–41
Diffuse immunoblastic sarcoma from benign lymphoid proliferation [letter] Wade JL 3d, et al. **Ann Intern Med** 1984 May;100(5):765
Histopathological studies of lymphadenopathy in AIDS: tentative classification. Preliminary report. Marche C, et al. **Antibiot Chemother** 1983;32:76–86
Kaposi's sarcoma and acquired immune deficiency syndrome—the British experience. Smith NP. **Antibiot Chemother** 1983;32:71–5
Angioimmunoblastic lymphadenopathy with dysproteinemia in homosexual men with acquired immune deficiency syndrome. Blumenfeld W, et al. **Arch Pathol Lab Med** 1983 Nov;107(11):567–9
Human cryptosporidiosis in the acquired immune deficiency syndrome. Guarda LA, et al. **Arch Pathol Lab Med** 1983 Nov;107(11):562–6
Brain biopsies in patients with acquired immune deficiency

syndrome. Moskowitz LB, et al. **Arch Pathol Lab Med** 1984 May;108(5):368–71

Acquired immune deficiency syndrome. A surgical perspective. Davis JM, et al. **Arch Surg** 1984 Jan; 119(1):90–5

Acquired immune deficiency syndrome (AIDS). Wells JV, et al. **Aust NZ J Med** 1984 Apr;14(2):191–4

AIDS and its significance to dentistry. Hardie J. **Can Dent Assoc J** 1983 Aug;49(8):565–9

Opportunistic infections and acquired cellular immune deficiency among Haitian immigrants in Montreal. LeBlanc RP, et al. **Can Med Assoc J** 1983 Dec 1;129(11):1205–9

Histopathological study of lymph nodes in patients with lymphadenopathy or acquired immune deficiency syndrome. Marche C, et al. **Eur J Clin Microbiol** 1984 Feb; 3(1):75–6

Precocious thymic involution manifest by epithelial injury in the acquired immune deficiency syndrome. Seemayer TA, et al. **Hum Pathol** 1984 May;15(5):469–74

Acquired immunodeficiency syndrome in a patient with no known risk factors: a pathological study. Burt AD, et al. **J Clin Pathol** 1984 Apr;37(4):471–4

Kaposi sarcoma in two infants with acquired immune deficiency syndrome. Buck BE, et al. **J Pediatr** 1983 Dec; 103(6):911–3

Acquired immune deficiency syndrome (AIDS). Light microscopic, ultrastructural and immunocytochemical studies of one case. Allegra SR, et al. **J Submicrosc Cytol** 1984 Jul;16(3):561–8

Autopsy findings in the acquired immune deficiency syndrome. Welch K, et al. **JAMA** 1984 Sep 7;252(9):1152–9

Morphologic changes in lymph nodes of macaques with an immunodeficiency syndrome. Chalifoux LV, et al. **Lab Invest** 1984 Jul;51(1):22–6

Follicular dendritic cells and virus-like particles in AIDS-related lymphadenopathy. Armstrong JA, et al. **Lancet** 1984 Aug 18;2(8399):370–2

Longitudinal study of persistent generalised lymphadenopathy in homosexual men: relation to acquired immunodeficiency syndrome. Mathur-Wagh U, et al. **Lancet** 1984 May 12;1(8385):1033–8

Ultrastructure of AIDS lymph nodes [letter] **N Engl J Med** 1983 Nov 10;309(19):1188–90

AIDS with Mycobacterium avium-intracellulare lesions resembling those of Whipple's disease [letter] **N Engl J Med** 1983 Nov 24;309(21):1323–5

More on ultrastructure of AIDS lymph nodes [letter] Hammar SP, et al. **N Engl J Med** 1984 Apr 5;310(14):924

Unilateral cytomegalovirus retinochoroiditis and bilateral cytoid bodies in a bisexual man with the acquired immunodeficiency syndrome. Rodrigues MM, et al. **Ophthalmology** 1983 Dec;90(12):1577–82

Kaposi's sarcoma, tuberculosis and Hodgkin's lymphoma in a lymph node—possible acquired immunodeficiency syndrome. A case report. Hayes MM, et al. **S Afr Med J** 1984 Aug 11;66(6):226–9

Kaposi's sarcoma: a comparison of classical, endemic, and epidemic forms. Ziegler JL, et al. **Semin Oncol** 1984 Mar; 11(1):47–52

Disseminated tubuloreticular inclusions in acquired immunodeficiency syndrome (AIDS). Kostianovsky M, et al. **Ultrastruct Pathol** 1983 Jun;4(4):331–6

[Lymph node involvement in AIDS (letter)] **Ugeskr Laeger** 1984 Feb 27;146(9):672–3 **(Dan)**

[Cryptococcal meningitis, herpes genitalis and oral candidiasis in a homosexual man with acquired immunodeficiency syndrome (letter)] Bras J, et al. **Ned Tijdschr Geneeskd** 1983 Aug 20;127(34):1553–4 **(Dut)**

[Lesions of the digestive mucosa in AIDS] Marche C, et al. **Arch Anat Cytol Pathol** 1984;32(2):122–3 **(Fre)**

[Hepatic lesions in AIDS] Marche C, et al. **Arch Anat Cytol Pathol** 1984;32(2):120–1 **(Fre)**

[Pathologico-anatomic findings in acquired immunologic deficiency syndrome (AIDS)] Krause M, et al. **Vasa** 1984; 13(2):99–106 (Eng. Abstr.) **(Ger)**

[Ultrastructural morphology and histogenesis of Kaposi sarcoma in AIDS] Leu HJ. **Vasa** 1984;13(2):107–13 (Eng. Abstr.) **(Ger)**

[Special pathologico-anatomical aspects of AIDS—acquired immune deficiency syndrome] Krueger GR, et al. **Z Hautkr** 1984 Apr 15;59(8):507–22 (Eng. Abstr.) **(Ger)**

[Pneumocystis carinii infection in a homosexual adult subject with immunodeficiency: apropos of a case] Gonçales Júnior FL, et al. **Rev Paul Med** 1983 Jul–Aug;101(4):160–4 (Eng. Abstr.) **(Por)**

[Acquired immunodeficiency syndrome (AIDS) in hemophiliacs. Clinical course and post-mortem examination of the first cases described in Spain] Diaz-Torres MA, et al. **Med Clin (Barc)** 1984 May 19; 82(19):866–7 **(Spa)**

PHYSIOPATHOLOGY

Acquired immunodeficiency (AIDS) in pregnancy. Jensen LP, et al. **Am J Obstet Gynecol** 1984 Apr 15;148(8):1145–6

Correlation between serial pulmonary function tests and fiberoptic bronchoscopy in patients with Pneumocystis carinii pneumonia and the acquired immune deficiency syndrome. Coleman DL, et al. **Am Rev Respir Dis** 1984 Mar;129(3):491–3

Adrenocortical function in the acquired immunodeficiency syndrome [letter] Klein RS, et al. **Ann Intern Med** 1983 Oct;99(4):566

Pneumocystis carinii pneumonia: a comparison between patients with the acquired immunodeficiency syndrome and patients with other immunodeficiencies. Kovacs JA, et al. **Ann Intern Med** 1984 May;100(5):663–71

Clinical features of Kaposi's sarcoma/acquired immune deficiency syndrome and its management. Safai B. **Antibiot Chemother** 1983;32:54–70 (75 ref.)

Acquired immune deficiency syndrome (AIDS). Scully C, et al. **Br Dent J** 1983 Oct 8;155(7):221–5 (85 ref.)

Acquired immune deficiency syndrome (AIDS)—complications in dental treatment. Report of a case. Hurlen B, et al. **Int J Oral Surg** 1984 Apr;13(2):148–50

Adverse effects of interferon in virus infections, autoimmune diseases and acquired immunodeficiency. Vilček J. **Prog Med Virol** 1984;30:62–77 (56 ref.)

PREVENTION & CONTROL

Acquired immunodeficiency syndrome: rules for pestilential contagion revisited. Rosendorf LL, et al. **Am J Infect Control** 1984 Feb;12(1):31–3

AIDS: sense not fear [editorial] Adler MW, et al. **Br Med J [Clin Res]** 1984 Apr 21;288(6425):1177–8

AIDS in Europe [letter] Green J, et al. **Br Med J [Clin Res]** 1983 Dec 3;287(6406):1715–6

A hospitalwide approach to AIDS. Recommendations of the Advisory Committee on Infections within Hospitals. American Hospital Association. **Infect Control** 1984 May; 5(5):242–8

AIDS—safety practices for clinical and research laboratories. Federico JV, et al. **Infect Control** 1984 Apr;5(4):185–7

May a blood bank refuse donations to prevent the spread of AIDS? Smith LG, et al. **J Med Soc NJ** 1984 Feb; 81(2):125–9

Preventing the acquired immunodeficiency syndrome [letter] Hassell LA. **N Engl J Med** 1983 Dec 1;309(22):1395

On Trojan horses and surrogate mothers [letter] Kolins J. **N Engl J Med** 1984 Jul 5;311(1):53–4

Needle-stick injuries during the care of patients with AIDS [letter] Wormser GP, et al. **N Engl J Med** 1984 May 31; 310(22):1461–2

Attrition, not conquest, of disease [news] **Nature** 1984 May 3–9;309(5963):1–2

AIDS and blood transfusions. **NC Med J** 1984 Feb; 45(2):109–10

Haemophilia, blood products and AIDS [letter] Woodfield DG. **NZ Med J** 1984 Jan 25;97(748):51–2

Keeping the blood supply safe. **Wis Med J** 1983 Nov; 82(11):26

[AIDS; the need for an integrated approach] van Wijngaarden JK. **Ned Tijdschr Geneeskd** 1984 Jun 2; 128(22):1061–2 **(Dut)**

[Acquired immunodeficiency syndrome (AIDS): is vaccination against hepatitis B a prevention for the risk?] Vuitton D, et al. **Gastroenterol Clin Biol** 1984 Jan; 8(1):37–41 **(Fre)**

[Proposals for the prevention and control of AIDS by the Public Health Department] Jantzen G. **Off Gesundheitswes** 1983 Oct;45(10):544–5 **(Ger)**

[Commentary on 'Recommendations on the prevention and control of AIDS by the Public Health Service' (letter)] Schmacke N, et al. **Off Gesundheitswes** 1984 Aug; 46(8):395–6 **(Ger)**

[Notes on handling the clinical specimens from patients with AIDS or similar conditions] Kawai T. **Rinsho Byori** 1983 Dec;31(12):1366–8 **(Jpn)**

PSYCHOLOGY

'If I have AIDS, then let me die now!' Commentary. Callen ML. **Hastings Cent Rep** 1984 Feb;14(1):26

'If I have AIDS, then let me die now!' Commentary. Levinson AJ. **Hastings Cent Rep** 1984 Feb;14(1):25

'If I have AIDS, then let me die now!' Commentary. Vinogradov S, et al. **Hastings Cent Rep** 1984 Feb;14(1):24–5

Educating staff about AIDS eases hysteria. **Hospitals** 1984 Feb 1;58(3):40, 43

The 'sheet sign' [letter] Adams F. **JAMA** 1984 Feb 17; 251(7):891

Changes in sexual behaviour and fear of AIDS [letter] Schechter MT, et al. **Lancet** 1984 Jun 9;1(8389):1293

Psychiatric aspects of AIDS. Nichols SE Jr. **Psychosomatics** 1983 Dec;24(12):1083–9

The concentric effects of the acquired immune deficiency syndrome [editorial] Brandt EN Jr. **Public Health Rep** 1984 Jan–Feb;99(1):1–2

Responding to the psychological crisis of AIDS. Morin SF, et al. **Public Health Rep** 1984 Jan–Feb;99(1):4–9

AIDS, drug abuse, and mental health [editorial] Pincus HA. **Public Health Rep** 1984 Mar–Apr;99(2):106–8

The psychosocial impact of the acquired immunodeficiency syndrome. Forstein M. **Semin Oncol** 1984 Mar;11(1):77–82

RADIOGRAPHY

Intrathoracic adenopathy: differential feature of AIDS and diffuse lymphadenopathy syndrome. Stern RG, et al. **AJR** 1984 Apr;142(4):689–92

The prodrome, Kaposi sarcoma, and infections associated with acquired immunodeficiency syndrome: radiologic findings in 39 patients. Hill CA, et al. **Radiology** 1983 Nov; 149(2):393–9

Acquired immunodeficiency syndrome: neuroradiologic findings. Kelly WM, et al. **Radiology** 1983 Nov; 149(2):485–91

Kaposi sarcoma and lymphadenopathy syndrome: limitations of abdominal CT in acquired immunodeficiency syndrome. Moon KL Jr, et al. **Radiology** 1984 Feb;150(2):479–83

Acquired immunodeficiency syndrome: cerebral computed tomographic manifestations. Whelan MA, et al. **Radiology** 1983 Nov;149(2):477–84

RADIONUCLIDE IMAGING

Diffuse pulmonary gallium accumulation with a normal chest radiogram in a homosexual man with Pneumocystis carinii pneumonia. A case report. Moses SC, et al. **Clin Nucl Med** 1983 Dec;8(12):608–9

THERAPY

AIDS tests and cures [news] **Am Fam Physician** 1983 Dec; 28(6):250

Plasmapheresis increases T4 lymphocytes in a patient with AIDS. Tomar RH, et al. **Am J Clin Pathol** 1984 Apr; 81(4):518–21

Hemophilia and thrombocytopenia in a patient with impaired cellular immunity. A case report. Zeitlhuber U, et al. **Blut** 1984 Jun;48(6):393–5

Acquired immune deficiency syndrome and the management of associated opportunistic infections. Dozier N, et al. **Drug Intell Clin Pharm** 1983 Nov;17(11):798–807 (90 ref.)

The management of suspected AIDS patients. Stough DB, et al. **J Arkansas Med Soc** 1983 Sep;80(4):169–72

Extracorporeal perfusion of plasma over immobilized protein A in a patient with Kaposi's sarcoma and acquired immunodeficiency. Kiprov DD, et al. **J Biol Response Mod** 1984;3(3):341–6

AIDS—practical guidelines. Abdou NI. **J Kans Med Soc** 1984 Mar;85(3):83–4, 96

Guidelines for the care of patients with AIDS [letter] Paul JP. **N Engl J Med** 1984 May 3;310(18):1194

No new ways of treating AIDS [news] Maddox J. **Nature** 1984 Mar 8–14;308(5955):107

The treatment of dental patients with acquired immune deficiency syndrome (AIDS). Moskowitz EM. **NY J Dent** 1984 Mar;54(3):119–20

TRANSMISSION

The question of possible relationship between hepatitis B vaccine and AIDS [letter] Taubman LB, et al. **Am J Med** 1984 Apr;76(4):A59

Acquired immunodeficiency syndrome possibly arthropod-borne [letter] Blaser MJ. **Ann Intern Med** 1983 Dec;99(6):877

Precautions in care of patients with the acquired immunodeficiency syndrome [letter] Blayney DW. **Ann Intern Med** 1984 Aug;101(2):275

The acquired immunodeficiency syndrome associated with transfusions: the evolving perspective. Curran JW, et al. **Ann Intern Med** 1984 Feb;100(2):298–300

Blood-handling precautions and the human T-leukemia virus [letter] Franson TR, et al. **Ann Intern Med** 1984 May; 100(5):765

Blood transfusions and the acquired immunodeficiency syndrome [letter] Herman J. **Ann Intern Med** 1984 Mar; 100(3):461

Acquired immunodeficiency syndrome associated with blood-product transfusions. Jett JR, et al. **Ann Intern Med** 1983 Nov;99(5):621–4

The acquired immunodeficiency syndrome in the wife of a hemophiliac. Pitchenik AE, et al. **Ann Intern Med** 1984 Jan;100(1):62–5

The acquired immunodeficiency syndrome and female sexual partners of bisexual men [letter] Soskolne CL. **Ann Intern Med** 1984 Feb;100(2):312

Endemic acquired immunodeficiency syndrome [letter] Valenti WM, et al. **Ann Intern Med** 1984 Sep; 101(3):399–400

Acquired immune deficiency syndrome [letter] Casner PR. **Arch Intern Med** 1984 Aug;144(8):1697

Acquired immune deficiency syndrome [letter] **Br Med J [Clin Res]** 1984 Feb 25;288(6417):640

Acquired immunodeficiency syndrome, hepatitis, and haemophilia [editorial] Jones P. **Br Med J [Clin Res]** 1983 Dec 10;287(6407):1737–8

Caring for AIDS patients: the physician's risk and responsibility [editorial] Burrow GN. **Can Med Assoc J** 1983 Dec 1;129(11):1181

AIDS and hepatitis B cannot be venereal diseases [letter] Seale JR. **Can Med Assoc J** 1984 May 1;130(9):1109–10

Children and AIDS: implications for child welfare. Anderson GR. **Child Welfare** 1984 Jan–Feb;63(1):62–73

The significance of non-A, non-B hepatitis, cytomegalovirus and the acquired immune deficiency syndrome in transfusion practice. Bayer WL, et al. **Clin Haematol** 1984 Feb;13(1):253–69 (75 ref.)

AIDS in Colorado: rumor and reality. **Colo Med** 1983 Nov; 80(11):314–7

Blood bankers set the AIDS record straight. **Colo Med** 1983 Nov;80(11):318

Nosocomial acquired immunodeficiency syndrome and human T-cell leukaemia lymphoma virus associated disease. Shanson DC. **J Hosp Infect** 1984 Mar;5(1):3–6

Some complications of the therapy of classic hemophilia. Ratnoff OD. **J Lab Clin Med** 1984 May;103(5):653–9 (36

ref.)
Blood transfusion, blood donation, and AIDS [editorial] Grindon AJ, et al. **J Med Assoc Ga** 1983 Sep;72(9):641–2
Blood banks and AIDS [editorial] Krosnick A. **J Med Soc NJ** 1984 Feb;81(2):105
Leads from the MMWR. Prospective evaluation of health-care workers exposed via parenteral or mucous membrane routes to blood and body fluids of patients with AIDS. **JAMA** 1984 Apr 27;251(16):2071, 2075
Reactions and counter-reactions to transfusion-associated-AIDS [news] Goldsmith MF. **JAMA** 1984 Jan 13;251(2):177–9
When is AIDS communicable? [letter] Neumann HH. **JAMA** 1984 Mar 23–30;251(12):1553
Immune deficiency syndrome in children [letter] Rosner F, et al. **JAMA** 1983 Dec 9;250(22):3046
AIDS in a hospital worker [letter] Belani A, et al. **Lancet** 1984 Mar 24;1(8378):676
AIDS in an apparently risk-free woman [letter] Cabane J, et al. **Lancet** 1984 Jul 14;2(8394):105
AIDS after coronary bypass surgery [letter] Delpre G, et al. **Lancet** 1984 Jan 14;1(8368):103
AIDS transmission via transfusion therapy [letter] Deresinski SC, et al. **Lancet** 1984 Jan 14;1(8368):102
Transmission experiments with human T-lymphotropic retroviruses and human AIDS tissue [letter] Gajdusek DC, et al. **Lancet** 1984 Jun 23;1(8391):1415–6
Clinical findings and serological evidence of HTLV-III infection in homosexual contacts of patients with AIDS and persistent generalised lymphadenopathy in London. Gazzard BG, et al. **Lancet** 1984 Sep 1;2(8401):480–3
Isolation of new lymphotropic retrovirus from two siblings with haemophilia B, one with AIDS. Vilmer E, et al. **Lancet** 1984 Apr 7;1(8380):753–7
Possible transmission of a human lymphotropic retrovirus (LAV) from mother to infant with AIDS [letter] Vilmer E, et al. **Lancet** 1984 Jul 28;2(8396):229–30
AIDS [letter] **Med J Aust** 1983 Dec 10–24;2(12):601–2
Safe blood for transfusion. **Med Lett Drugs Ther** 1983 Oct 14;25(646):93–5
Prospective evaluation of health-care workers exposed via parenteral or mucous-membrane routes to blood and body fluids of patients with acquired immunodeficiency syndrome. **MMWR** 1984 Apr 6;33(13):181–2
Transfusion-associated AIDS—a cause for concern [editorial] Bove JR. **N Engl J Med** 1984 Jan 12;310(2):115–6
Acquired immunodeficiency syndrome (AIDS) associated with transfusions. Curran JW, et al. **N Engl J Med** 1984 Jan 12;310(2):69–75
More on blood transfusion and AIDS [letter] Gordon RS Jr. **N Engl J Med** 1984 Jun 28;310(26):1742
Blood transfusion and susceptibility to AIDS [letter] Shearer GM, et al. **N Engl J Med** 1984 Jun 14;310(24):1601
AIDS: London scare ends [news] Chown M. **Nature** 1984 Aug 23–29;310(5979):614
Haemophilia, blood products and AIDS [letter] Berry EW, et al. **NZ Med J** 1983 Nov 23;96(744):986
AIDS likely to spread unless causes can be identified. Polakoff PL. **Occup Health Saf** 1984 Feb;:44–5
Maternal transmission of acquired immune deficiency syndrome. Cowan MJ, et al. **Pediatrics** 1984 Mar; 73(3):382–6
Intravenous drug users and the acquired immune deficiency syndrome. Ginzburg HM. **Public Health Rep** 1984 Mar–Apr;99(2):206–12
Side effects of substitution therapy. Aledort LM. **Scand J Haematol [Suppl]** 1984;40:331–3
AIDS and the executive directo. Perspectives in crisis management. Brownstein AP. **Scand J Haematol [Suppl]** 1984;40:561–5
The role of a national organization in the AIDS issue. Carman CJ. **Scand J Haematol [Suppl]** 1984;40:461–7
Acquired immunodeficiency syndrome (AIDS) in hemophiliacs. Jason JM, et al. **Scand J Haematol [Suppl]** 1984;40:349–56
Transmission of simian acquired immunodeficiency syndrome (SAIDS) with blood or filtered plasma. Gravell M, et al. **Science** 1984 Jan 6;223(4631):74–6
Infectious complications of blood transfusions. Berkman SA. **Semin Oncol** 1984 Mar;11(1):68–76
Homosexuality: kick and kickback [editorial] Fletcher JL. **South Med J** 1984 Feb;77(2):149–50
Physician knowledge and concerns about AIDS. Barrett-Connor E. **West J Med** 1984 Apr;140(4):652–3
[Blood transfusion and acquired immunodeficiency syndrome (AIDS)] Habibi B, et al. **Rev Fr Transfus Immunohematol** 1983 Nov;26(5):447–65 (47 ref.) (Eng. Abstr.) **(Fre)**
[A.I.D.S. (acquired immunodeficiency syndrome)] Soulier JP. **Rev Fr Transfus Immunohematol** 1983 Nov;26(5):437–45 **(Fre)**
[Cellular immune deficiency and polylymphadenopathy in the male sexual partners of a woman who died of acquired immunodeficiency (AIDS)] Baumann UA, et al. **Schweiz Med Wochenschr** 1984 Mar 24;114(12):415–8 (Eng. Abstr.) **(Ger)**
[AIDS—the transmissible immunologic deficiency disease] Baumann UA, et al. **Vasa** 1984;13(2):94–8 (Eng. Abstr.) **(Ger)**
[Hepatitis B vaccination: the danger of AIDS transmission] Scheier R. **Z Hautkr** 1984 Apr 15;59(8):502–6 (Eng. Abstr.) **(Ger)**
[Acquired immune deficiency syndrome (AIDS) (editorial)] Michaeli D. **Harefuah** 1983 Apr 1;104(7):301–3 **(Heb)**
[An unusual acquired immune deficiency syndrome—AIDS] Hollán Z, et al. **Orv Hetil** 1984 Feb 12;125(7):375–82 (Eng. Abstr.) **(Hun)**

URINE

Elevated urinary neopterin levels in patients with the acquired immunodeficiency syndrome (AIDS). A preliminary report. Wachter H, et al. **Hoppe Seylers Z Physiol Chem** 1983 Sep;364(9):1345–6

VETERINARY

Hematogenous hexamitiasis in a macaque monkey with an immunodeficiency syndrome [letter] Letvin NL, et al. **J Infect Dis** 1984 May;149(5):828
Clinical features of simian acquired immunodeficiency syndrome (SAIDS) in rhesus monkeys. Henrickson RV, et al. **Lab Anim Sci** 1984 Apr;34(2):140–5
Epidemiologic aspects of an outbreak of acquired immunodeficiency in rhesus monkeys (Macaca mulatta). Lerche NW, et al. **Lab Anim Sci** 1984 Apr;34(2):146–50
Mason-Pfizer monkey virus and simian AIDS [letter] Fine DL. **Lancet** 1984 Feb 11;1(8372):335
Transmission of simian AIDS with type D retrovirus isolate [letter] Gravell M, et al. **Lancet** 1984 Feb 11;1(8372):334–5
Experimental transmission of simian acquired immunodeficiency syndrome (SAIDS) and Kaposi-like skin lesions. London WT, et al. **Lancet** 1983 Oct 15; 2(8355):869–73
Simian AIDS: isolation of a type D retrovirus and transmission of the disease. Marx PA, et al. **Science** 1984 Mar 9;223(4640):1083–6
Characterization of exogenous type D retrovirus from a fibroma of a macaque with simian AIDS and fibromatosis. Stromberg K, et al. **Science** 1984 Apr 20;224(4646):289–2
Animal models of AIDS. Letvin NL, et al. **Semin Oncol** 1984 Mar;11(1):18–28

ACRIDINE ORANGE

Development of triiodothyronine uptake assay using acridine orange dye as the separating agent. Abu-Omeir MS, et al. **Clin Chim Acta** 1984 May 16;139(1):91–7
Photodynamic denaturation of chromosomal DNA in situ by acridine orange. Gupta HS, et al. **Indian J Exp Biol** 1983 Oct;21(10):533–5
Viability of organisms held in the isolator blood culture system for 15 h and their rapid detection by acridine orange staining. Cashman JS, et al. **J Clin Microbiol** 1983 Sep; 18(3):709–12
Early detection of positive blood cultures by the acridine orange staining technique. Tierney BM, et al. **J Clin Microbiol** 1983 Oct;18(4):830–3
Increased accessibility of bases in DNA upon binding of acridine orange. Kapuscinski J, et al. **Nucleic Acids Res** 1983 Nov 11;11(21):7555–68
[Hydrophobic acridine dyes for fluorescence staining of mitochondria in living cells. 1.Thermodynamic and spectroscopic properties of 10-n-alkylacridine orange chlorides] Septinus M, et al. **Histochemistry** 1983; 79(3):443–56 (Eng. Abstr.) **(Ger)**

DIAGNOSTIC USE

Rapid screening of urine for significant bacteriuria by Gram stain, acridine orange stain, and the Autobac MTS system. Crout FV, et al. **Diagn Microbiol Infect Dis** 1984 Jun; 2(3):179–86
Acridine orange stain in the early detection of bacteria in blood cultures. Meseguer M, et al. **Eur J Clin Microbiol** 1984 Apr;3(2):113–5
A test for the practical evaluation of male fertility by acridine orange (AO) fluorescence. Tejada RI, et al. **Fertil Steril** 1984 Jul;42(1):87–91
Use of acridine orange for histologic analysis of the central nervous system. Mai JK, et al. **J Histochem Cytochem** 1984 Jan;32(1):97–104
Superiority of acridine orange stain versus Gram stain in partially treated bacterial meningitis. Kleiman MB, et al. **J Pediatr** 1984 Mar;104(3):401–4
Rapid diagnosis of neonatal bacteremia with acridine orange-stained buffy coat smears. Kleiman MB, et al. **J Pediatr** 1984 Sep;105(3):419–21
First trimester chromosomal analysis of complex structural rearrangements with RHA banding on chorionic villi [letter] Sachs ES, et al. **Lancet** 1983 Dec 17;2(8364):1426

PHARMACODYNAMICS

Deletions in Klebsiella pneumoniae R plasmids induced by growth in the presence of acridine orange at high temperature. Zorzópulos J, et al. **Antimicrob Agents Chemother** 1984 May;25(5):659–61
Interactions of acridine orange with nucleic acids. Properties of complexes of acridine orange with single stranded ribonucleic acid. Kapuscinski J, et al. **Biochem Pharmacol** 1983 Dec 15;32(24):3679–94
Antimitotics induce cardiolipin cluster formation. Possible role in mitochondrial enzyme inactivation. Huart P, et al. **Biochim Biophys Acta** 1984 Jun 15;799(2):199–202
Denaturation of RNA and DNA in situ induced by acridine orange. Darzynkiewicz Z, et al. **Exp Cell Res** 1983 Oct; 148(1):31–46
In vitro effects of acridine intercalation on RNA polymerase interactions with supercoiled DNA. Greene RS, et al. **Int J Biochem** 1983;15(10):1231–9
Interactions of histone, ribonuclease and acridine orange in enhancing film sarcoma. Lavelle SM, et al. **Ir J Med Sci** 1983 Jul;152(7):272–5

RADIATION EFFECTS

Photodynamic activity of acridine orange: peroxide radical induction in DNA and synthetic polynucleotides. Houba-Hérin N, et al. **Int J Radiat Biol** 1984 May; 45(5):487–95

THERAPEUTIC USE

Destruction of implanted gastric tumors in rats by acridine orange photoactivation with an argon laser. Tatsuta M, et al. **Eur J Cancer Clin Oncol** 1984 Apr;20(4):543–52

TOXICITY

Genotoxicity of acridine orange and acriflavine in Drosophila melanogaster. Alba P, et al. **Mutat Res** 1983 Sep; 121(3–4):199–203
Biological effects of dyes on bacteria. VI. Mutation induction by acridine orange and methylene blue in the dark with special reference to Escherichia coli WP6 (polA1). Webb RB, et al. **Mutat Res** 1984 Jul;137(1):1–6

ACRIDINES

Second-trimester abortion by extra-amniotic instillation of Rivanol combined with intravenous administration of oxytocin or prostaglandin F2 alpha. Klinte I, et al. **Acta Obstet Gynecol Scand** 1983;62(4):303–6
Acridine-psoralen amines and their interaction with deoxyribonucleic acid. Hansen JB, et al. **Biochemistry** 1983 Oct 11;22(21):4878–86
X-ray crystallographic analysis of a ternary intercalation complex between proflavine and the dinucleoside monophosphates CpA and UpG. Aggarwal A, et al. **Biopolymers** 1984 Jun;23(6):1025–41
Intercalation of cationic dyes in the DNA double helix: introductory theory. Bustamante C, et al. **Biopolymers** 1984 Apr;23(4):629–45
Separation of bound and free ligand by ethacridine (Rivanol) in thyroxin radioimmunoassay. Bhupal V, et al. **Clin Chem** 1983 Nov;29(11):1937–40
Nucleic acid-binding molecules with high affinity and base sequence specificity: intercalating agents covalently linked to oligodeoxynucleotides. Asseline U, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(11):3297–301

ADMINISTRATION & DOSAGE

Termination of midtrimester pregnancies with extraovular 0.1% ethacridine lactate. Accurate method for estimation of blood loss. Role of spartein sulfate. Laul RM, et al. **Asia Oceania J Obstet Gynaecol** 1984 Jun;10(2):185–9
Umbilical cord care. A study of bacitracin ointment vs. triple dye. Andrich MP, et al. **Clin Pediatr (Phila)** 1984 Jun; 23(6):342–4

ANALYSIS

Release of proflavine hemisulphate from proflavine preparations currently in use within the Mersey Regional Health Authority. Hunt PB, et al. **J Clin Hosp Pharm** 1983 Dec;8(4):345–8

CHEMICAL SYNTHESIS

Synthesis of 3,6-bis(aminoalkoxy)acridines and their effect on the immune System. Angier RB, et al. **J Med Chem** 1983 Dec;26(12):1710–5
[9-Hydrazinoacridine derivatives and 9-hydrazino-1,2,3,4-tetrahydroacridines: preparation and biological activity] Pellerano C, et al. **Boll Chim Farm** 1983 Dec;122(12):582–8 (Eng. Abstr.) **(Ita)**

DIAGNOSTIC USE

Enhanced recovery of Pseudomonas aeruginosa from diverse clinical specimens on a new selective agar. Robin T, et al. **Diagn Microbiol Infect Dis** 1984 Jun;2(3):207–11
Lucigenin-dependent chemiluminescence as a new assay for NAD(P)H-oxidase activity in particulate fractions of human polymorphonuclear leukocytes. Minkenberg I, et al. **J Immunol Methods** 1984 Jun 8;71(1):61–7

ISOLATION & PURIFICATION

[Simple method for purification of carcinogenic and noncarcinogenic methyl-substituted benz(c)acridines] Motohashi N, et al. **Yakugaku Zasshi** 1983 Jul;103(7):795–9 (Eng. Abstr.) **(Jpn)**

METABOLISM

Proflavin binding within the fibrinopeptide groove adjacent to the catalytic site of human alpha-thrombin. Sonder SA, et al. **Biochemistry** 1984 Apr 10;23(8):1818–23
Intracellular distribution of acridine derivatives in platelets and their suitability for cytoplasmic pH measurements. Grinstein S, et al. **Biochim Biophys Acta** 1984 Apr 16;

803(4):221–8
Flow cytometric analysis of proflavine uptake into normal rat hepatocytes and cells arising during AAF-induced hepatocarcinogenesis. Austin EB, et al. **Carcinogenesis** 1984 Sep;5(9):1173–7
Metabolism of 7-methylbenz[c]acridine: comparison of rat liver and lung microsomal preparations and identification of some minor metabolites. Boux LJ, et al. **Carcinogenesis** 1983 Nov;4(11):1429–35
Metabolism of acridine by rat-liver enzymes. McMurtrey KD, et al. **Mutat Res** 1984 May;140(1):7–11
[Comparative study of DNA interactions with daunomycin and proflavine in a solution] Veselkov AN, et al. **Mol Biol (Mosk)** 1984 Mar–Apr;18(2):481–7 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Terminations of DNA synthesis on 'proflavine and light'-treated phi X174 single-stranded DNA. Piette J, et al. **Biochim Biophys Acta** 1984 Apr 5;781(3):257–64
Anti-neoplastic activity of C205: a new topical anti-cancer formulation. Pardini RS, et al. **Cancer Lett** 1984 Jul; 23(3):273–7
Identification of an acridine photoaffinity probe for trypanocidal action. Firth WJ 3d, et al. **J Med Chem** 1984 Jul;27(7):865–70
Frameshift mutagenesis of lambda prophage by 9-aminoacridine, proflavin and ICR-191. Skopek TR, et al. **MGG** 1984;195(3):418–23
A DNA-repair proficient strain of Escherichia coli which is highly sensitive to mutagenic acridines in plate tests. Thomas SM, et al. **Mutat Res** 1984 May–Jun; 131(5–6):193–6
Studies on transcription termination and splicing of the rRNA precursor in vivo in the presence of proflavine. Nielsen OF, et al. **Nucleic Acids Res** 1984 Jan 25;12(2):873–86
Action of a new floxacrine derivative (S 82 5455) on asexual stages of Plasmodium berghei: a light and electron microscopical study. Raether W, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 Mar; 256(3):335–41
[Changes in blood chorionic gonadotropin, progesterone levels and estradiol in midterm labor induced by rivanol] Liu FY. **Chung Hua Fu Chan Ko Tsa Chih** 1984 Apr; 19(2):114–5 (Eng. Abstr.) **(Chi)**
[Kinetic studies on prostaglandin concentrations in the amniotic fluid during rivanol-induced abortion] Zhou ZR, et al. **Yao Hsueh Hsueh Pao** 1983 Aug;18(8):569–71 (Eng. Abstr.) **(Chi)**
[10-Carboxymethyl-9-acridanone as an inhibitor of cAMP-phosphodiesterase] Römer W, et al. **Pharmazie** 1983 Jul;38(7):495–6 **(Ger)**
[Nutritive effects of acridone derivatives. (2d study in the series 'Natural materials in animal nutrition')] Kaemmerer K, et al. **Zentralbl Veterinarmed [A]** 1984 Feb;31(1):31–45 (Eng. Abstr.) **(Ger)**

RADIATION EFFECTS

[Radiolysis of acrinol in radio-sterilization of acrinol pharmaceuticals] Kimura S, et al. **Radioisotopes** 1983 Nov; 32(11):539–45 (Eng. Abstr.) **(Jpn)**

TOXICITY

Experimental studies on the carcinogenicity of five nitrogen containing polycyclic aromatic compounds directly injected into rat lungs. Deutsch-Wenzel RP, et al. **Cancer Lett** 1983 Aug;20(1):97–101
Cytotoxic and antitumor activity of 1-nitroacridines as an aftereffect of their interstrand DNA cross-linking. Pawlak K, et al. **Cancer Res** 1984 Oct;44(10):4289–96
Dibenz[a,j]acridine. **IARC Monogr Eval Carcinog Risk Chem Hum** 1983 Dec; 32:283–8
Benz[a]acridine. **IARC Monogr Eval Carcinog Risk Chem Hum** 1983 Dec; 32:123–7
Benz[c]acridine. **IARC Monogr Eval Carcinog Risk Chem Hum** 1983 Dec; 32:129–34
Dibenz[a,h]acridine. **IARC Monogr Eval Carcinog Risk Chem Hum** 1983 Dec; 32:277–81
Induction of cytoplasmically inherited respiration-deficient ('petite') mutants by photodynamic action of acridine compounds. Iwamoto Y, et al. **Mutat Res** 1984 Feb; 125(2):213–9

ACRIFLAVINE see under **AMINOACRIDINES**

ACROCEPHALOSYNDACTYLIA

Picture of the month. Pfeiffer's syndrome (acrocephalosyndactyly type V). Feingold M. **Am J Dis Child** 1983 Dec;137(12):1191–2

COMPLICATIONS

Craniosynostosis—Crouzon's disease and Apert syndrome. Singh M, et al. **Indian Pediatr** 1983 Aug;20(8):608–12

DIAGNOSIS

Oculo-motor disorders in craniofacial malformations. Morax S. **J Maxillofac Surg** 1984 Feb;12(1):1–10

FAMILIAL & GENETIC

Dermatoglyphics in Saethre-Chotzen syndrome: a family study. Borbolla L, et al. **Acta Paediatr Hung** 1983; 24(3):269–79
[Familial acrocephalosyndactylia] Le Merrer M, et al. **Ann Pediatr (Paris)** 1983 Nov;30(9):695–7 (Eng. Abstr.) **(Fre)**

PATHOLOGY

The acneform eruption of Apert's syndrome is not acne vulgaris. Steffen C. **Am J Dermatopathol** 1984 Jun; 6(3):213–20
Is the mandible intrinsically different in Apert and Crouzon syndromes? Costaras-Volarich M, et al. **Am J Orthod** 1984 Jun;85(6):475–87
[Anesthetic management of Appert's syndrome] Alvarez Escudero J, et al. **Rev Esp Anestesiol Reanim** 1984 Mar–Apr;31(2):78–81 (Eng. Abstr.) **(Spa)**

PSYCHOLOGY

Normal intelligence in two children with Carpenter syndrome. Frias JL, et al. **Am J Med Genet** 1978;2(2):191–9

REHABILITATION

Rehabilitation aspects of Apert's syndrome. Gur I, et al. **Isr J Med Sci** 1984 Jan;20(1):50–4

ACROCEPHALY see **CRANIOSYNOSTOSES**

ACRODERMATITIS

COMPLICATIONS

[Infantile acropapulosis syndrome] Petrescu Z, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Jul–Sep;87(3):495–6 (Eng. Abstr.) **(Rum)**

DIAGNOSIS

Acrodermatitis enteropathica. Mortimer PS, et al. **J R Soc Med** 1984 Jan;77(1):67–8
Acroangiodermatitis of Mali. De Villez RL, et al. **South Med J** 1984 Feb;77(2):255–8
[Acrodermatitis chronica atrophicans as a source of angiologic diagnostic error] Bollinger A, et al. **Schweiz Rundsch Med Prax** 1983 Dec 13;72(50):1577–81 (Eng. Abstr.) **(Ger)**

DIET THERAPY

The effects of diet and zinc treatment on the fatty acid composition of serum lipids and adipose tissue and on serum lipoproteins in two adolescent patients with acrodermatitis enteropathica. Walldius G, et al. **Am J Clin Nutr** 1983 Oct; 38(4):512–22

DRUG THERAPY

Acrodermatitis enteropathica: (a case report). Hira SK, et al. **Med J Zambia** 1983 Apr;17(2):61–3

ETIOLOGY

Acrodermatitis chronica atrophicans, erythema chronicum migrans and lymphadenosis benigna cutis—spirochetal diseases? Frithz A, et al. **Acta Derm Venereol (Stockh)** 1983; 63(5):432–6
Papular acrodermatitis with cytomegalovirus hepatitis. Berant M, et al. **Arch Dis Child** 1983 Dec;58(12):1024–5
Papular acrodermatitis with Epstein-Barr virus infection. Iosub S, et al. **Clin Pediatr (Phila)** 1984 Jan;23(1):33–4
Acrodermatitis enteropathica. Aggett PJ. **J Inherited Metab Dis** 1983;6 Suppl 1:39–43
Epidemiologic significance of infantile papular acrodermatitis [letter] Fiocchi A, et al. **J Pediatr** 1984 Jan;104(1):163
[Gianotti's disease as a case disclosing intra-familial infection by hepatitis B virus (HBV)] Fiocchi A, et al. **Minerva Pediatr** 1983 Dec 31;35(23–24):1229–34 (Eng. Abstr.) **(Ita)**
[Zinc in skin diseases] Kozłowska A. **Przegl Dermatol** 1983 May–Jun;70(3):311–6 (38 ref.) **(Pol)**
[Morphological study of the small intestine in rats with experimental zinc deficiency] de Amorim CS, et al. **Arq Gastroenterol** 1984 Oct–Dec;20(4):170–4 (Eng. Abstr.) **(Por)**
[Isolated isoleucine deficiency in diet therapy of a case of maple syrup urine disease] Sanjurjo P, et al. **An Esp Pediatr** 1983 Nov;19(5):389–92 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Serum and hair zinc as predictors of clinical symptoms in acrodermatitis enteropathica. Anttila P, et al. **J Inherited Metab Dis** 1984;7(1):46–8

IMMUNOLOGY

Gianotti-Crosti syndrome. A review of ten cases not associated with hepatitis B. Spear KL, et al. **Arch Dermatol** 1984 Jul;120(7):891–6
[Serum antibodies against Ixodes ricinus Spirochaeta in acrodermatitis chronica atrophicans (Herxheimer)] Ackermann R, et al. **Dtsch Med Wochenschr** 1984 Jan 6; 109(1):6–10 (Eng. Abstr.) **(Ger)**

METABOLISM

Picolinic acid in acrodermatitis enteropathica: evidence for a disorder of tryptophan metabolism. Krieger I, et al. **J Pediatr Gastroenterol Nutr** 1984;3(1):62–8

MICROBIOLOGY

[Gianotti-Crosti syndrome caused by Epstein-Barr virus] Revuz J, et al. **Ann Dermatol Venereol** 1983;110(9):767–8 **(Fre)**
[Ixodes ricinus Spirochaeta: probable pathogen responsible for Herxheimer's acrodermatitis chronica atrophicans] Steigleder GK. **Dtsch Med Wochenschr** 1984 Jan 6; 109(1):3–5 **(Ger)**
[Herxheimers disease: the infectious factor still unknown - but are Spirochaetales the possible infectious agents?] Thyresson N. **Lakartidningen** 1983 Oct 19;80(42):3933–4 **(Swe)**

PATHOLOGY

Pseudo-Kaposi sarcoma of the feet: an electron microscopic investigation. Secher L, et al. **Acta Derm Venereol (Stockh)** 1984;64(3):246–9
Acrodermatitis continua of Hallopeau—a report of a case. Rokiah Ismail, et al. **Med J Malaysia** 1983 Sep;38(3):191–3
[Acroangiodermatitis (pseudo-Kaposi's sarcoma) on the lower limbs] Weismann K, et al. **Ugeskr Laeger** 1984 Feb 6;146(6):431–2 (Eng. Abstr.) **(Dan)**
[Paraneoplasms] **Hautarzt** 1983;34 Suppl 6:76–92 **(Ger)**
[Acrodermatitis papulosa eruptiva infantum and Epstein-Barr virus infection] Gengoux P, et al. **Hautarzt** 1984 Feb; 35(2):97–9 (Eng. Abstr.) **(Ger)**

THERAPY

[Treatment of Hallopeau's acrodermatitis] Belova LV. **Vestn Dermatol Venerol** 1984 Mar;(3):59–60 (Eng. Abstr.) **(Rus)**

VETERINARY

[Acrodermatitis enteropathica—hereditary parakeratosis in calves: contribution to comparative dermatology] Reich H. **Z Hautkr** 1983 Oct 1;58(19):1410–5 (Eng. Abstr.) **(Ger)**

ACRODYNIA

CHEMICALLY INDUCED

Domestic metallic mercury poisoning. McNeil NI, et al. **Lancet** 1984 Feb 4;1(8371):269–71

ACROLEIN see under **ALDEHYDES**

ACROMEGALY

[Acromegaly] Zapf J. **Schweiz Rundsch Med Prax** 1984 Mar 6;73(10):293–8 (Eng. Abstr.) **(Ger)**

BLOOD

Somatomedin A increments are diminished in acromegaly with concomitant hyperprolactinaemia. Hulting AL, et al. **Acta Endocrinol (Copenh)** 1984 Jul;106(3):305–10
Circulating growth hormone releasing factor concentrations in normal subjects and patients with acromegaly. Penny ES, et al. **Br Med J [Clin Res]** 1984 Aug 25;289(6443):453–5
Immunocytochemical growth hormone and prolactin in pituitary adenomas causing acromegaly and their relationship to basal serum hormone levels and the growth response to thyrotrophin releasing hormone. Nieuwenhuijzen Kruseman AC, et al. **Clin Endocrinol (Oxf)** 1983 Jul;19(1):1–8
Discrepancy between immunoactivity and bioactivity of big-big and big human growth hormones in acromegaly. Tanaka T, et al. **Endocrinol Jpn** 1984 Apr;31(2):133–40
Plasma gastrin levels during oral glucose tolerance test and insulin tolerance test in acromegaly. Djurić DS, et al. **Horm Metab Res** 1984 Feb;16(2):102–3
Similar response to dopaminergic or anti-dopaminergic drugs in acromegaly. Tater D, et al. **Horm Metab Res** 1984 Feb; 16(2):104–5
Failure of diazepam to affect growth hormone and prolactin in acromegalics. Ajlouni KM. **Horm Res** 1983;18(4):186–90
Stimulation of growth hormone by vasoactive intestinal polypeptide in acromegaly. Chihara K, et al. **J Clin Endocrinol Metab** 1984 Jan;58(1):81–6
Plasma growth hormone response to growth hormone-releasing factor in acromegalic patients. Shibasaki T, et al. **J Clin Endocrinol Metab** 1984 Jan;58(1):215–7
The effect of small but sustained elevations in circulating growth hormone on fuel metabolism in growth hormone deficiency. Tamborlane WV, et al. **Pediatr Res** 1984 Feb; 18(2):212–5
Plasma growth hormone responses to sulpiride in patients with acromegaly. Hanew K, et al. **Tohoku J Exp Med** 1984 Apr;142(4):445–52

[Value of the determination of somatomedins in acromegaly] Rieu M. **Presse Med** 1983 Sep 10;12(31):1909–10 **(Fre)**
[Aminoacidoagram in acromegaly patients] Morosini PP, et al. **G Clin Med** 1984 Mar–Apr;65(3–4):183–8 (Eng. Abstr.) **(Ita)**
[Endocrinologic evaluation of 61 patients with acromegaly treated with transsphenoidal removal alone, or associated with telecobalt irradiation or bromocriptine or both] Barceló B, et al. **Med Clin (Barc)** 1983 May 14; 80(17):735–41 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Vitiligo and acromegaly. Ryan EF Jr, et al. **Arch Dermatol** 1984 May;120(5):676–7
Acne vulgaris and hidradenitis suppurativa as presenting features of acromegaly. Chalmers RJ, et al. **Br Med J [Clin Res]** 1983 Nov 5;287(6402):1346–7
Gigantism and acromegaly: report of a case and review of the literature. George AR, et al. **J Natl Med Assoc** 1983 Nov;75(11):1104, 1106–7
Recurrent acromegaly associated with completely empty sella and otherwise normal pituitary function. Ng Tang Fui S, et al. **J R Soc Med** 1983 Nov;76(11):961–3
Myopathy in acromegaly. A case study. Brumback RA, et al. **Pathol Res Pract** 1983 Jun;177(1):41–6
Mammosomatotroph hyperplasia associated with acromegaly and hyperprolactinemia in a patient with the McCune–Albright syndrome. A histologic, immunocytologic and ultrastructural study of the surgically–removed adenohypophysis. Kovacs K, et al. **Virchows Arch [A]** 1984;403(1):77–86
[Induction of a partial remission of diabetes in a patient with acromegaly (letter)] Blickle JF, et al. **Ann Med Interne (Paris)** 1984;135(1):79 **(Fre)**
[Strategy for hormonal study in the arterial hypertension of acromegaly] Strauch G. **Ann Med Interne (Paris)** 1983; 134(3):242–5 (Eng. Abstr.) **(Fre)**
[Bilateral aseptic osteonecrosis of the femoral head in acromegaly] Chaouat D, et al. **Rev Rhum Mal Osteoartic** 1984 Apr;51(4):215–7 **(Fre)**
[Acromegaly with obstructive hypertrophic cardiomyopathy and pulmonary infarction] Imaizumi K, et al. **Hormon To Rinsho** 1983 Jun;31 Suppl:6–8 **(Jpn)**
[Etiological studies of secondary hypertension. c. Endocrinal diseases and hypertension. 2) Diseases other than adrenal gland dysfunctions] Takeda R. **Nippon Rinsho** 1984 Feb; 42(2):377–81 **(Jpn)**
[Acromegaly and spinal canal stenosis] Urasaki E, et al. **No Shinkei Geka** 1983 Sep;11(9):983–7 (Eng. Abstr.) **(Jpn)**
[Disorders of specialized sensitivity (hearing, vestibular, smell and taste analyzers) in acromegaly and hypophyseal diseases] Kekhaiov A, et al. **Probl Endokrinol (Mosk)** 1984 Mar–Apr;30(2):34–6 **(Rus)**
[Cardiovascular changes in acromegaly. Prospective study] Badui E, et al. **Arch Inst Cardiol Mex** 1984 May–Jun; 54(3):287–92 (Eng. Abstr.) **(Spa)**
[Arterial hypertension and acromegaly] Licea M, et al. **Rev Clin Esp** 1984 Apr 15;173(1):41–3 (Eng. Abstr.) **(Spa)**
[Cardiac involvement in acromegaly] Vlecia Martínez MA, et al. **Rev Clin Esp** 1983 Jun 15–30;169(5–6):301–4 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Heel pad thickness in normal Nigerians and patients with acromegaly. Mittal RK, et al. **East Afr Med J** 1983 Mar; 60(3):156–9
[Clinical manifestations of 31 cases of pituitary gigantism as compared to those of acromegaly] Shi YF, et al. **Chung Hua Nei Ko Tsa Chih** 1983 Aug;22(8):495–7 (Eng. Abstr.) **(Chi)**
[Acromegaly and its orthopedic manifestations] Helal B. **Z Gesamte Inn Med** 1983 Aug 1;38(15):395–8 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Changes in bone metabolism during treatment of acromegaly. Bijlsma JW, et al. **Acta Endocrinol (Copenh)** 1983 Oct; 104(2):153–9
Changes in plasma GH levels and clinical activity during bromocriptine therapy in acromegaly. The value of predictive tests. Nortier JW, et al. **Acta Endocrinol (Copenh)** 1984 Jun;106(2):175–83
Longterm pergolide treatment of acromegaly. Kendall–Taylor P, et al. **Clin Endocrinol (Oxf)** 1983 Dec; 19(6):711–9
Plasma growth hormone suppressive effect of bromocriptine in acromegaly. Evaluation by plasma GH day profiles and plasma GH concentrations during oral glucose tolerance tests. Nortier JW, et al. **Clin Endocrinol (Oxf)** 1984 May; 20(5):565–71
Bromocriptine treatment of pituitary adenomas. Evaluation of withdrawal effect. Coculescu M, et al. **Endocrinologie** 1983 Jul–Sep;21(3):157–68
Bromocriptine treatment of acromegaly following spontaneous conception. Cundy T, et al. **Fertil Steril** 1984 Jul;42(1):134–6
Dissociated effects of somatostatin analogs on arginine–induced insulin, glucagon and growth hormone release in acromegalic patients. Wajchenberg BL, et al. **Horm Metab Res** 1983 Oct;15(10):471–4
Effect of bromocriptine on serum hormones in acromegaly. Carlson HE, et al. **Horm Res** 1984;19(3):142–52
Dopaminergic treatment of acromegaly: different effects on hormone secretion and tumor size. Oppizzi G, et al. **J Clin Endocrinol Metab** 1984 Jun;58(6):988–92
Failure of bromocriptine to alter the qualitative characteristics of human growth hormone in acromegaly. Hizuka N, et al. **Metabolism** 1984 Jun;33(6):582–4
The mechanism of postinhibitory rebound increases in plasma gh in acromegalic patients. Hanew K, et al. **Tohoku J Exp Med** 1984 Jan;142(1):59–65
[Drug therapy of hyperprolactinemia, acromegaly and Cushing syndrome] Marek J, et al. **Z Gesamte Inn Med** 1983 Nov 15;38(22):246–8 (Eng. Abstr.) **(Ger)**
[Effect of pariodel on carbohydrate metabolism regulation in acromegaly] Molitvoslovova NN. **Sov Med** 1984;(1):24–9 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Ectopic secretion of a growth hormone–releasing factor. Report of a case of acromegaly with bronchial carcinoid tumor. Scheithauer BW, et al. **Am J Med** 1984 Apr; 76(4):605–16 (66 ref.)
Hypothalamic mass and gigantism in neurofibromatosis: treatment with bromocriptine. Duchowny MS, et al. **Ann Neurol** 1984 Mar;15(3):302–4
A case for hypothalamic acromegaly: a clinicopathological study of six patients with hypothalamic gangliocytomas producing growth hormone–releasing factor. Asa SL, et al. **J Clin Endocrinol Metab** 1984 May;58(5):796–803
[Acromegaly, clinical expression of the production of growth hormone releasing factor in pancreatic tumors] Sassolas G, et al. **Ann Endocrinol (Paris)** 1983;44(6):347–54 (Eng. Abstr.) **(Fre)**
[Case of acromegaly after thymectomy] Zel'tser ME, et al. **Probl Endokrinol (Mosk)** 1983 Sep–Oct;29(5):42–3 **(Rus)**
[Primary thyroid and breast cancers in a patient with pituitary adenoma and acromegaly] Marova EI, et al. **Sov Med** 1983; (7):119–22 **(Rus)**

FAMILIAL & GENETIC

Familial acromegaly. Jones MK, et al. **Clin Endocrinol (Oxf)** 1984 Mar;20(3):355–8

METABOLISM

Effects of ovine corticotrophin–releasing factor and hydrocortisone on growth hormone secretion by pituitary adenoma cells of acromegaly in culture. Ishibashi M, et al. **Acta Endocrinol (Copenh)** 1984 Aug;106(4):443–7
Aldosterone in acromegaly. Marks P, et al. **Am J Med Sci** 1984 May–Jun;287(3):16–9
Pituitary adenomas in acromegalic patients: an immunohistochemical and endocrinological study with special reference to prolactin–secreting adenoma. Kanie N, et al. **J Clin Endocrinol Metab** 1983 Dec;57(6):1093–101
The interrelationship between the effects of somatostatin and human pancreatic growth hormone–releasing factor on growth hormone release by cultured pituitary tumor cells from patients with acromegaly. Lamberts SW, et al. **J Clin Endocrinol Metab** 1984 Feb;58(2):250–4
Paradoxical responsiveness of growth hormone to corticotropin–releasing factor in acromegaly. Pieters GF, et al. **J Clin Endocrinol Metab** 1984 Mar;58(3):560–2
Pituitary adenomas producing growth hormone in acromegalic patients. Smallman LA, et al. **J Clin Pathol** 1984 Apr;37(4):382–9
[Connective tissue disorders in endocrinal diseases] Takeda R. **Nippon Rinsho** 1984 May;42(5):1140–6 **(Jpn)**

OCCURRENCE

[Hypothalamo–pituitary disorders] Onishi T, et al. **Horumon To Rinsho** 1984 Jan;32(1):3–7 **(Jpn)**

PATHOLOGY

Pituitary adenomas with acromegaly. Light microscopic and electron microscopic study of 60 cases. Zang X, et al. **Chin Med J [Engl]** 1983 Sep;96(9):647–54

PHYSIOPATHOLOGY

Pathophysiological interpretation of the syndrome of acromegaly (acidophil adenoma of the hypophysis in adults) and of the syndrome of gigantism (acidophil adenoma of the hypophysis in adolescents). Hrbek V. **Acta Univ Palacki Olomuc Fac Med** 1976;80:157–61
Pathophysiology of acromegaly. Melmed S, et al. **Endocr Rev** 1983 Summer;4(3):271–90 (210 ref.)
Characterization of human growth hormone from acromegalic pituitary tumors. Chang WC, et al. **Int J Pept Protein Res** 1984 Jun;23(6):637–41
Hypothalamic–pituitary–thyroid axis in acromegaly. Carmina E, et al. **J Endocrinol Invest** 1983 Aug;6(4):263–6
The growth hormone responses to L–dopa and TRH in acromegaly. Jialal I, et al. **J Endocrinol Invest** 1984 Jun; 7(3):235–7
Growth hormone releasing factor (hpGRF)–stimulation test in normal controls and acromegalic patients. von Werder K, et al. **J Endocrinol Invest** 1984 Jun;7(3):185–91
Growth activities of the nasal septal cartilage in acromegaly. Vetter U, et al. **Rhinology** 1984 Jun;22(2):125–31
[Pituitary macrosomia and light sensitivity of the eye] Novokhatskiĭ AS, et al. **Vrach Delo** 1984 Jan;(1):93–5 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Is soft tissue radiology useful in acromegaly? Paisey R, et al. **Br J Radiol** 1984 Jul;57(679):561–4
[The acromegalic hand. Diagnostic value of various radiographic measurement indices] Scutellari PN, et al. **Radiol Med (Torino)** 1983 May;69(5):289–95 (Eng. Abstr.) **(Ita)**

RADIOTHERAPY

Lack of rise in serum prolactin following yttrium–90 interstitial irradiation for acromegaly. Clark AJ, et al. **Clin Endocrinol (Oxf)** 1983 Nov;19(5):557–63

SURGERY

Criteria for cure in acromegaly: report of a case apparently cured in which persisting tumor was found at autopsy. Wrightson P, et al. **Neurosurgery** 1984 Jun;14(6):750–5
The acromegaly—gigantism syndrome. Report of four cases treated surgically. Zampieri P, et al. **Surg Neurol** 1983 Dec; 20(6):498–503

THERAPY

Recent developments in acromegaly: a review. Jadresic A. **J R Soc Med** 1983 Nov;76(11):947–56 (155 ref.)
[Surgical treatment of acromegaly] Mori S, et al. **Horumon To Rinsho** 1984 Jan;32(1):15–9 **(Jpn)**

VETERINARY

Progesterone–controlled growth hormone overproduction and naturally occurring canine diabetes and acromegaly. Eigenmann JE, et al. **Acta Endocrinol (Copenh)** 1983 Oct; 104(2):167–76

ACROMIOCLAVICULAR JOINT

Cryptococcal arthritis of the acromio–clavicular joint. Adams R, et al. **NC Med J** 1984 Jan;45(1):23–4
[Recent acromioclavicular joint dislocations] Jirari M, et al. **Maroc Med** 1983 Jun;5(2):142–9 (Eng. Abstr.) **(Fre)**
[Resection of the acromial end of clavicula in acromioclavicular joint arthrosis] Wirth CJ, et al. **Z Orthop** 1984 Mar–Apr;122(2):208–12 (Eng. Abstr.) **(Ger)**

INJURIES

Acromio–clavicular separations treated conservatively. A 5–year follow–up study. Bjerneld H, et al. **Acta Orthop Scand** 1983 Oct;54(5):743–5
Anterior dislocation of the acromioclavicular joint. Nieminen S, et al. **Ann Chir Gynaecol** 1984;73(1):21–4
Posttraumatic osteolysis of the distal ends of the clavicle. Report of three cases. Orava S, et al. **Ann Chir Gynaecol** 1984;73(2):83–6
Treatment of complete acromioclavicular separation by coracoacromial ligament transfer. Kawabe N, et al. **Clin Orthop** 1984 May;(185):222–7
[Experiences with the Balser plate in dislocations of the acromioclavicular joint and lateral fractures of the clavicle] Schmittinger K, et al. **Aktuel Traumatol** 1983 Oct; 13(5):190–3 (Eng. Abstr.) **(Ger)**
[Outcome after late reconstruction of dislocations of the acromioclavicular joint] Zilch H, et al. **Aktuel Traumatol** 1983 Oct;13(5):194–7 (Eng. Abstr.) **(Ger)**
[Surgical treatment of acromioclavicular joint rupture—short and medium–term results] Wartenburger A, et al. **Beitr Orthop Traumatol** 1983 Oct;30(10):519–28 (Eng. Abstr.) **(Ger)**
[Chronic luxation of the acromioclavicular joint – technic and results] Hierholzer G, et al. **Hefte Unfallheilkd** 1984; 170:66–73 **(Ger)**
[Reposition and fixation of acromioclavicular luxation using a hooked plate] Wolter D, et al. **Hefte Unfallheilkd** 1984; 170:80–6 **(Ger)**
[Temporary metallic shoulder joint replacement in complete separation of the acromioclavicular joint] Aderhold K. **Unfallheilkunde** 1983 Sep;86(9):416–22 (Eng. Abstr.) **(Ger)**
[Management of acromioclavicular dislocations with the Balser plate] Dittmer H, et al. **Unfallheilkunde** 1984 May; 87(5):216–22 (Eng. Abstr.) **(Ger)**
[Combined operative treatment of acromioclavicular dislocations] Linke R, et al. **Unfallheilkunde** 1984 May; 87(5):223–5 (Eng. Abstr.) **(Ger)**
[Shoulder injuries in the aged] Gächter A. **Z Unfallchir Versicherungsmed Berufskr** 1983;76(3):147–50 **(Ger)**
[Surgical treatment of dislocations of the acromioclavicular joint by the Mumford–Gurd method] Malejka T, et al. **Chir Narzadow Ruchu Ortop Pol** 1983;48(4):305–9 (Eng. Abstr.) **(Pol)**
[Results of the surgical treatment of acromioclavicular dislocation] Starčević S, et al. **Acta Chir Iugosl** 1984; 31(1):47–51 (Eng. Abstr.) **(Scr)**
[Stable fixation in the treatment of acromioclavicular luxation] Smiljanić B. **Lijec Vjesn** 1984 May;106(5):188–92

(Eng. Abstr.) (Scr)

RADIOGRAPHY

Shoulder impingement syndrome: radiographic evaluation. Cone RO 3d, et al. **Radiology** 1984 Jan;150(1):29–33

SURGERY

Resection of the lateral end of the clavicle. A 3 to 30-year follow-up. Petersson CJ. **Acta Orthop Scand** 1983 Dec; 54(6):904–7

The surgical treatment of the upper quadrant syndrome. A preliminary report. Waisbrod H, et al. **Arch Orthop Trauma Surg** 1983;102(1):29–30

[Resection of the acromial clavicular end in shoulder joint arthrosis] Wirth CJ, et al. **Hefte Unfallheilkd** 1984; 170:87–90 (Ger)

ACROMION see under **SCAPULA**

ACRONINE see under **ALKALOIDS**

ACROSIN see under **PEPTIDE PEPTIDOHYDROLASES**

ACROSOME see under **SPERMATOZOA**

ACRYLAMIDES

Tyrosinamide residues enhance pinocytic capture of N-(2-hydroxypropyl)methacrylamide copolymers. Duncan R, et al. **Biochim Biophys Acta** 1984 May 25; 799(1):1–8

Application of acrylamide as an embedding medium in studies of lectin and antibody binding in the vertebrate retina. Johnson LV, et al. **Curr Eye Res** 1984 Jul;3(7):969–74

Circulatory control in canine acrylamide neuropathy. Satchell PM. **J Auton Nerv Syst** 1984 Apr;10(2):93–106

IMMUNOLOGY

Effect of the chemical structure of N-(2-hydroxypropyl)methacrylamide copolymers on their ability to induce antibody formation in inbred strains of mice. Říhová B, et al. **Biomaterials** 1984 May;5(3):143–8

METABOLISM

Acrylic microspheres in vivo IX: Blood elimination kinetics and organ distribution of microparticles with different surface characteristics. Arturson P, et al. **J Pharm Sci** 1983 Dec;72(12):1415–20

PHARMACODYNAMICS

A study of the quenching of the intrinsic fluorescence of succinyl-CoA synthetase from Escherichia coli by acrylamide, iodide, and coenzyme A. Prasad AR, et al. **Biochemistry** 1983 Aug 30;22(18):4272–5

Tryptophan emission from myosin subfragment 1: acrylamide and nucleotide effect monitored by decay-associated spectra. Torgerson PM. **Biochemistry** 1984 Jun 19; 23(13):3002–7

Alterations in retinal neurotransmitter receptors and neuropeptides of the chick by kainic acid and acrylamide. Ali SF, et al. **Brain Res** 1983 Sep 5;274(1):115–8

Effect of acrylamide on glutathione-S-transferase activity in different regions of rat brain. Srivastava SP, et al. **Bull Environ Contam Toxicol** 1984 Feb;32(2):166–70

Inhibition of brain enolases by acrylamide and its related compounds in vitro, and the structure-activity relationship. Tanii H, et al. **Experientia** 1984 Sep 15;40(9):971–2

The neurotoxins 2,5-hexanedione and acrylamide promote aggregation of intermediate filaments in cultured fibroblasts. Durham HD, et al. **Muscle Nerve** 1983 Nov-Dec;6(9):631–7

Acrylamide-induced remodelling of perikarya in rat superior cervical ganglia. Sterman AB. **Neuropathol Appl Neurobiol** 1984 May-Jun;10(3):221–34

Effects of acrylamide on locomotion and central monoamine function in the rat. Rafales LS, et al. **Pharmacol Biochem Behav** 1983 Oct;19(4):635–44

[Chemical structure-anticonvulsant activity relationship in beta-substituted cinnamamides] Liu WQ, et al. **Yao Hsueh Hsueh Pao** 1983 Dec;18(12):912–9 (Eng. Abstr.) (Chi)

TOXICITY

Neurotoxicity of acrylamide and related compounds in rats. Effects on rotarod performance, morphology of nerves and neurotubulin. Tanii H, et al. **Arch Toxicol** 1983 Nov; 54(3):203–13

Carcinogenic effects of acrylamide in Sencar and A/J mice. Bull RJ, et al. **Cancer Res** 1984 Jan;44(1):107–11

Carcinogen-mediated induction of SV40 DNA amplification is enhanced by acrylamide in Chinese hamster CO60 cells. Vanhorick M, et al. **Carcinogenesis** 1983 Nov;4(11):1459–63

Does pyruvate prevent acrylamide neurotoxicity? Implications for disease pathogenesis. Sterman AB, et al. **Exp Neurol** 1983 Oct;82(1):148–58

Acrylamide neurotoxicity. **Food Chem Toxicol** 1984 Jun; 22(6):489–90

Effects of acrylamide and botulinum toxin on horseradish peroxidase labelling of trigeminal motor neurons in the rat. Kemplay S, et al. **J Anat** 1983 Oct;137 (Pt 3):477–82

Abnormalities of oesophageal mechanoreceptors in canine acrylamide neuropathy. Satchell PM, et al. **J Neurol Neurosurg Psychiatry** 1984 Jul;47(7):692–8

The influence of systemic factors on acrylamide-induced changes in brain, nerve, and other tissues. Lapin EP, et al. **J Neurosci Res** 1984;11(4):395–404

Effects of acrylamide and other sulfhydryl compounds in vivo and in vitro on staining of motor nerve terminals by the zinc iodide-osmium technique. Kemplay S, et al. **Muscle Nerve** 1984 Feb;7(2):94–100

Effects of acrylamide and some other sulfhydryl reagents on spontaneous and pathologically induced terminal sprouting from motor end-plates. Kemplay S, et al. **Muscle Nerve** 1984 Feb;7(2):101–9

The evolution of intracellular responses to acrylamide in rat spinal ganglion neurons. Jones HB, et al. **Neuropathol Appl Neurobiol** 1984 Mar-Apr;10(2):101–21

Relative refractory period as a measure of peripheral nerve neurotoxicity. Anderson RJ. **Toxicol Appl Pharmacol** 1983 Dec;71(3):391–7

Somatosensory thresholds in monkeys exposed to acrylamide. Maurissen JP, et al. **Toxicol Appl Pharmacol** 1983 Nov; 71(2):266–79

Acrylamide-induced changes in the monoamines and their acid metabolites in different regions of the rat brain. Ali SF. **Toxicol Lett** 1983 Jun;17(1-2):101–5

Cytotoxicity of cyclophosphamide and acrylamide in glioma and neuroblastoma cell lines cocultured with liver cells. Ericsson AC, et al. **Toxicol Lett** 1984 Mar;20(3):251–6

Acid hydrolases in brain, spinal cord and sciatic nerves of acrylamide-intoxicated rats. Srivastava SP, et al. **Toxicol Lett** 1984 Aug;22(2):211–5

ACRYLATES

A monomeric methyl and hydroxypropyl methacrylate injection medium and its utility in casting blood capillaries and liver bile canaliculi for scanning electron microscopy. Murakami T, et al. **Arch Histol Jpn** 1984 Jun;47(2):223–37

Studies on the hydrolysis of biocompatible acrylic polymers having aspirin-moieties. Gu ZW, et al. **Biomater Med Devices Artif Organs** 1983;11(2-3):211–9

Tooth enamel erosion from vomiting treated with an acrylic sealant [letter] Rosenthal P, et al. **Clin Pediatr (Phila)** 1983 Dec;22(12):818

Mechanical properties of hydrophilic copolymers of 2-hydroxyethyl methacrylate with ethyl acrylate, n-butyl acrylate, and dodecyl methacrylate. Kolařík J, et al. **J Biomed Mater Res** 1983 Sep;17(5):757–67

Bond strength between dentin and restorative resins mediated by mixtures of HEMA and glutaraldehyde. Munksgaard EC, et al. **J Dent Res** 1984 Aug;63(8):1087–9

Methods and results of testing 'low acid' glycol methacrylate (GMA) for light microscopic cytochemistry. Cole MB Jr. **J Histochem Cytochem** 1984 May;32(5):555–6

A new, less toxic polymerization system for the embedding of soft tissues in glycol methacrylate and subsequent preparing of serial sections. Gerrits PO, et al. **J Microsc** 1983 Oct;132 (Pt 1):81–5

An intercellular network artefact in glycol methacrylate dehydrated neonatal cartilage. Shepard N, et al. **J Microsc** 1982 Sep;127 (Pt 3):287–92

Effects of acrylic acid polymer and its arrangement on drug release from a wax matrix. Emori H, et al. **J Pharm Sci** 1984 Jul;73(7):910–5

Properties of methacrylate implants [letter] Amemiga T, et al. **Plast Reconstr Surg** 1984 Jun;73(6):1001–2

Embedding iliac bone biopsies at low temperature using glycol and methyl methacrylates. Chappard D, et al. **Stain Technol** 1983 Sep;58(5):299–308

A simple method to handle tacky glycol methacrylate blocks. Gerrits PO. **Stain Technol** 1983 Mar;58(2):120

Initiating polymerization of glycol methacrylate with cyclic diketo carbon acids. Ruddell CL. **Stain Technol** 1983 Nov; 58(6):329–36

ADVERSE EFFECTS

Contact allergy to 2-hydroxypropyl methacrylate (2-HPMA) in an ultraviolet curable ink. Björkner B. **Acta Derm Venereol (Stockh)** 1984;64(3):264–7

Different sensitising acrylic monomers in Napp printing plate. Pedersen NB, et al. **Contact Dermatitis** 1983 Nov; 9(6):459–64

Tetraethylene glycol diacrylate. A cause of delayed cutaneous irritant reaction and allergic contact dermatitis. Nethercott JR, et al. **J Occup Med** 1984 Jul;26(7):513–6

ANALYSIS

[Determination of dimethylacrylic acid and its ethyl ester in the air of a work area] Smoliar NIa. **Gig Sanit** 1984 Jan;(1):51–2 (Rus)

DIAGNOSTIC USE

Plastic embedding as a tool in surgical pathology diagnosis. Lumb G. **Ann Clin Lab Sci** 1983 Sep-Oct;13(5):393–9

Preparation of microspheres of poly(glycidyl methacrylate) and its derivatives as carriers for immobilized proteins. Hosaka S, et al. **Immunol Commun** 1983 Oct;12(5):509–17

Immunohistochemistry on semi-thin sections of hydroxypropyl methacrylate embedded tissues. Franklin RM. **J Immunol Methods** 1984 Mar 30;68(1-2):61–72

IMMUNOLOGY

The sensitizing potential of 2-ethylhexyl acrylate in the guinea pig. Waegemaekers TH, et al. **Contact Dermatitis** 1983 Sep;9(5):372–6

alpha, beta-Diacryloxypropionic acid, a sensitizing impurity in commercial acrylic acid. Waegemaekers TH, et al. **Derm Beruf Umwelt** 1984;32(2):55–8

[Production of hyperimmune sera and immune ascitic fluids to influenza virus protein M by immunization with a protein-polyelectrolyte conjugate] Petrov RV, et al. **Vopr Virusol** 1984 May-Jun;29(3):271–3 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

Cardioprotective actions of a selective thromboxane synthetase inhibitor in acute myocardial ischemia. Burke SE, et al. **Arch Int Pharmacodyn Ther** 1983 Sep; 265(1):76–84

In vivo inhibition of thromboxane synthetase in infarcted canine myocardium. McCluskey ER, et al. **Biochem Biophys Res Commun** 1984 Jun 15;121(2):552–7

Antimicrobial effects of esters and amides of 3-(5-nitro-2-furyl)acrylic acid. Kellová G, et al. **Folia Microbiol (Praha)** 1984;29(1):23–34

Kidney and liver metallothioneins in rats after administration of an organic compound. Giroux E, et al. **J Biol Chem** 1984 Mar 25;259(6):3658–62

Preliminary note: effect of microtubule inhibitors with acrylophenone structure on Triton WR 1339 induced hyperlipidemia in rats. Brunet C, et al. **Methods Find Exp Clin Pharmacol** 1984 May;6(5):227–30

Stimulation of vessel wall prostacyclin by selective thromboxane synthetase inhibitor OKY 1581. Mehta J, et al. **Prostaglandins Leukotrienes Med** 1983 Sep;12(1):49–52

Inhibition of thromboxane synthetase by OKY-1581 stimulates the formation of PGE2, PGF2 alpha, PGD2 and 6-keto-PGF1 alpha in human platelets. Uotila P, et al. **Prostaglandins Leukotrienes Med** 1984 Apr;14(1):41–6

Arachidonic acid induced platelet aggregation and thromboxane formation is inhibited by OKY-1581. Uotila P, et al. **Prostaglandins Leukotrienes Med** 1983 Nov; 12(3):299–303

The effects of aspirin and OKY-1581 on the metabolism of exogenous arachidonic acid in rat alveolar macrophages. Punnonen K, et al. **Res Commun Chem Pathol Pharmacol** 1984 Jun; 44(3):367–74

[Effect of thromboxane synthetase inhibitors on the action of bronchoactive agents and on arachidonate metabolism in the guinea pig tracheobronchopulmonary system] Kitamura S, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1984 Jan;22(1):3–8 (Eng. Abstr.) (Jpn)

RADIATION EFFECTS

Immobilization of antibodies and enzyme-labeled antibodies by radiation polymerization. Kumakura M, et al. **Appl Biochem Biotechnol** 1983 Apr;8(2):87–96

The bonding of orthodontic attachments using a visible light cured adhesive. Read MJ. **Br J Orthod** 1984 Jan;11(1):16–20

STANDARDS

Shrinkage of Batson's and its relevance to vascular casting. Kratky RG, et al. **Atherosclerosis** 1984 May-Jun; 51(2-3):339–41

THERAPEUTIC USE

Prostacyclin and thromboxane in cerebral vasospasm II: Effects of thromboxane synthetase inhibitor (OKY-1581) on experimentally-induced cerebral vasospasm. Yabuno N. **Acta Med Okayama** 1984 Jun;38(3):239–50

Effect of selective inhibitor of thromboxane A2 synthetase on cerebral vasospasm after early surgery. Tani E, et al. **J Neurosurg** 1984 Jul;61(1):24–9

[Antithrombotic agents against platelet aggregation] Tada M, et al. **Nippon Rinsho** 1983 Dec;41(12):2781–6 (Jpn)

[Use of beta-aminoethylmethacrylate in traumatic paralysis of the sciatic nerve] Fedorov VN, et al. **Farmakol Toksikol** 1983 Nov-Dec;46(6):70–4 (Eng. Abstr.) (Rus)

TOXICITY

The sensitizing potential of di-(meth)acrylates based on bisphenol A or epoxy resin in the guinea pig. Bjorkner B, et al. **Contact Dermatitis** 1984 May;10(5):286–304

n-Butyl acrylate: cytogenetic investigations in the bone marrow of Chinese hamsters and rats after 4-day inhalation. Engelhardt G, et al. **Fundam Appl Toxicol** 1983 Nov-Dec; 3(6):640–1

n-Butyl acrylate: prenatal inhalation toxicity in the rat. Merkle J, et al. **Fundam Appl Toxicol** 1983 Sep-Oct; 3(5):443–7

Acrylate and methacrylate esters: relationship of hemolytic activity and in vivo toxicity. Dillingham EO, et al. **J Biomed Mater Res** 1983 Nov;17(6):945–57

Genotoxic effects of ethyl acrylate and methyl acrylate in the mouse evaluated by the micronucleus test. Przybojewska B, et al. **Mutat Res** 1984 Mar;135(3):189–91

Non-mutagenicity of 27 aliphatic acrylate esters in the Salmonella-microsome test. Waegemaekers TH, et al.

Mutat Res 1984 Aug-Sep;137(2-3):95-102

Guinea pig respiratory response to isocyanates. Mullin LS, et al. **Toxicol Appl Pharmacol** 1983 Oct;71(1):113-22

[Toxic and fibrogenic action of the dust of Dakryl 2M-brand organic glass] Prokhorov NI, et al. **Gig Sanit** 1984 Jun; (6):72-3 **(Rus)**

[Mechanism of damage to the cardiovascular system caused by allyl-alpha-allyloxycarbonyloxyacrylate] Arziaeva Ela, et al. **Gig Tr Prof Zabol** 1984 May;(5):44-6 **(Rus)**

ACRYLIC RESINS

see related

DENTAL MATERIALS

Enzyme cytochemical staining of individual cells with the use of a polyacrylamide carrier. Studies on the synthetizing reaction technique, the indigogenic method, the metal salt method, the post-azo-coupling technique, and the tetrazolium salt technique. van Noorden CJ, et al. **Acta Histochem (Jena)** 1983;73(1):71-8

Resistance to bacteria of plastics used in dental practice. Orsós M, et al. **Acta Microbiol Hung** 1983;30(3-4):255-8

Use of acrylic prosthesis in cervical spine pathology (report of 45 cases). Lesoin F, et al. **Acta Neurochir (Wien)** 1984; 71(1-2):141-9

An apparatus for the simultaneous casting of large numbers of uniform cylindrical polyacrylamide gels. Alligood JP. **Anal Biochem** 1983 Oct 15;134(2):284-7

Fractionation techniques in a hydro-organic environment. II. Acryloyl-morpholine polymers as a matrix for electrophoresis in hydro-organic solvents. Artoni G, et al. **Anal Biochem** 1984 Mar;137(2):420-8

An apparatus for reproducible large scale preparation of polyacrylamide gradient tube gels. Backhaus R, et al. **Anal Biochem** 1984 Feb;136(2):298-300

Isoelectric focusing in polyacrylamide-agarose. Pino RM, et al. **Anal Biochem** 1984 May 15;139(1):77-81

Monooxygenase activity of rat liver microsomes immobilized by entrapment in a crosslinked prepolymerized polyacrylamide hydrazide. Yawetz A, et al. **Biochim Biophys Acta** 1984 Apr 10;798(2):204-9

Effects of postcuring and water sorption on the mechanical properties of composite dental restorative materials. Carfagna C, et al. **Biomaterials** 1983 Jul;4(3):228-9

An in vitro and in vivo study of the effect of incorporation of chlorhexidine into autopolymerizing acrylic resin plates upon the growth of Candida albicans. Lamb DJ, et al. **Biomaterials** 1983 Jul;4(3):205-9

Raman spectroscopic studies on the interaction between divalent counterion and polyion. Koda S, et al. **Biophys Chem** 1983 Nov;18(4):361-7

Mastique acrylic laminate veneers. Clinical evaluation over two years. Roberts GJ. **Br Dent J** 1983 Aug 6;155(3):85-8

Traces of epoxy resin in acrylic dental filling materials [letter] Niinimäki A, et al. **Contact Dermatitis** 1983 Nov;9(6):532

Theories of posterior tooth selection: porcelain versus acrylic. Appelbaum M. **Dent Clin North Am** 1984 Apr; 28(2):299-306

Denture base resins. Winkler S. **Dent Clin North Am** 1984 Apr;28(2):287-97

Studies and observations on the use of isoelectric focusing in ultra-thin polyacrylamide gels as a method of typing human red cell phosphoglucomutase. Divall GB, et al. **Forensic Sci Int** 1983 Aug-Sep;22(2-3):253-63

Evaluation of lead releases from the burning of lead acrylic x-ray shielding. Barish RJ. **Health Phys** 1984 Feb; 46(2):464-6

The polyacrylamide as a phantom material for electromagnetic hyperthermia studies. Bini MG, et al. **IEEE Trans Biomed Eng** 1984 Mar;31(3):317-22

Polyacrylonitrile hemofiltration for the adsorption myoglobin in tardy revascularization syndrome: in vitro assessment. Cavicchioni C, et al. **Int J Artif Organs** 1983 Sep;6(5):271-2

Immobilized pH gradients for isoelectric focusing. III. Preparative separations in highly diluted gels. Righetti PG, et al. **J Biochem Biophys Methods** 1984 May;9(2):103-19

Recent experiences with denture polymers. MacGregor AR, et al. **J Dent** 1984 Jun;12(2):146-57

A review of the properties of some orthodontic base polymers. Stafford GD, et al. **J Dent** 1983 Dec; 11(4):294-305

Relaxation of polymerization contraction stresses by flow in dental composites. Davidson CL, et al. **J Dent Res** 1984 Feb;63(2):146-8

Research into the colors of denture base resin—influence of differences in shade and thickness. Ichiwata T, et al. **J Nihon Univ Sch Dent** 1984 Mar;26(1):30-8

The transverse strength of acrylic resin strips and of repaired acrylic samples. Grajower R, et al. **J Oral Rehabil** 1984 May;11(3):237-47

Marginal leakage of glass-ionomer cement restorations. Alperstein KS, et al. **J Prosthet Dent** 1983 Dec;50(6):803-7

The effect of carbon fiber orientation on the fatigue resistance and bending properties of two denture resins. DeBoer J, et al. **J Prosthet Dent** 1984 Jan;51(1):119-21

Construction of accurate acrylic resin provisional restorations. Hunter RN. **J Prosthet Dent** 1983 Oct; 50(4):520-1

Temporary cementation of acrylic resin and cast complete crowns. Ishikiriama A, et al. **J Prosthet Dent** 1984 May; 51(5):637-41

Wear of nonanatomic (monoplane) acrylic resin denture teeth. Khan Z, et al. **J Prosthet Dent** 1984 Aug;52(2):172-4

Improved occlusal equilibration of complete dentures by augmenting occlusal anatomy of acrylic resin denture teeth. Ruffino AR. **J Prosthet Dent** 1984 Aug;52(2):300-2

A method to make resin copings safely. Tarlow JL. **J Prosthet Dent** 1984 Jun;51(6):852

Clinical evaluation of a radiopaque denture base resin. Tsao DH, et al. **J Prosthet Dent** 1984 Apr;51(4):456-8

Fabrication of provisional acrylic resin restorations. Weiner S. **J Prosthet Dent** 1983 Dec;50(6):863-4

Purification of barley yellow dwarf virus by gel filtration on Sephacryl S-1000 Superfine. Hewish DR, et al. **J Virol Methods** 1983 Oct;7(4):223-8

Anaphylatoxin formation during hemodialysis: effects of different dialyzer membranes. Chenoweth DE, et al. **Kidney Int** 1983 Dec;24(6):764-9

The occlusal wafer: simple technique for construction and its use in maxillofacial surgery. Irving SP, et al. **Laryngoscope** 1984 Aug;94(8):1036-41

The antigenicity of myoglobin-related peptides synthesised on polyacrylamide and polystyrene resin supports. Shi PT, et al. **Mol Immunol** 1984 Jun;21(6):489-96

Daily recycled bicarbonate dialysis with polyacrylonitrile. Buoncristiani U, et al. **Trans Am Soc Artif Intern Organs** 1983;29:669-72

Attachment of adult rat hepatocytes to modified Amicon XM-50 membranes. Jauregui HO, et al. **Trans Am Soc Artif Intern Organs** 1983;29:698-703

Cytoskeletal studies on Lowicryl K4M embedded and Affi-Gel 731 attached rat peritoneal mast cells. Nielsen EH, et al. **Virchows Arch [Cell Pathol]** 1984;45(3):313-23

[Gastroresistant coating of capsules using acrylic resins: technics of coating and in vivo trials] Boymond C, et al. **Pharm Acta Helv** 1983;58(9-10):266-9 **(Fre)**

[Use of polyacrylate dispersions for spray coating phenobarbital. 1: Production and in vitro study of microcapsules] Traue J, et al. **Pharmazie** 1984 Apr; 39(4):233-7 (Eng. Abstr.) **(Ger)**

[Use of polyacrylate dispersions for nebulization of phenobarbital. 2. In vitro testing of tablets with phenobarbital polyacrylate microspheres] Traue J, et al. **Pharmazie** 1984 May;39(5):331-3 (Eng. Abstr.) **(Ger)**

[Acrylic resin implant in the frontal sinus] Bretan O, et al. **Rev Paul Med** 1983 May-Jun;101(3):83-90 (Eng. Abstr.) **(Por)**

[Methods of gel removal during work with highly concentrated polyacrylamide gel] Vakhivskaia GS. **Lab Delo** 1983;(7):63 **(Rus)**

[Polarization fluorescence of chloroplasts oriented in polyacrylamide gel. Experiment and theoretical analysis] Ganago AO, et al. **Mol Biol (Mosk)** 1983 Nov-Dec; 17(6):1204-11 (Eng. Abstr.) **(Rus)**

[Interaction of Cu2+ and Ca2+ ions with DNA immobilized in polyacrylamide gel] Kuznetsov IA, et al. **Mol Biol (Mosk)** 1984 Mar-Apr;18(2):457-65 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

[Polyacrylamide-induced subcutaneous inflammation in mice] Hérodin F, et al. **Ann Immunol (Paris)** 1983 May-Jun; 134C(3):401-10 (Eng. Abstr.) **(Fre)**

[Reaction of the blood system to a single administration of polyacrylic acid] Belousova OI, et al. **Patol Fiziol Eksp Ter** 1983 Jul-Aug;(4):38-43 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Allergic contact dermatitis from anaerobic acrylic sealants. Mathias CG, et al. **Arch Dermatol** 1984 Sep;120(9):1202-5

Sensitization to dental acrylic compounds. Riva F, et al. **Contact Dermatitis** 1984 Apr;10(4):245

[Secondary peroperative effects of acrylic bone cement] Pitton G. **Rev Med Suisse Romande** 1983 Oct;103(10):871-7 **(Fre)**

ANALYSIS

Detection of enzymatic activities in sodium dodecyl sulfate-polyacrylamide gels: DNA polymerases as model enzymes. Blank A, et al. **Anal Biochem** 1983 Dec; 135(2):423-30

Protein contaminants of sodium dodecyl sulfate-polyacrylamide gels. Ochs D. **Anal Biochem** 1983 Dec;135(2):470-4

DIAGNOSTIC USE

Detection of platelet-associated IgG in chronic immune thrombocytopenic purpura using antibody-coated polyacrylamide beads. Pecze K, et al. **Blut** 1984 May; 48(5):291-5

[High-resolution electrophoresis in a new polyacrylamide-gel block] Morozov VA, et al. **Biull Eksp Biol Med** 1984 May;97(5):635-7 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Interleukin 1 can replace monocytes for the specific human B-cell response to a particulate antigen. Vazquez A, et al. **Cell Immunol** 1984 Jul;86(2):287-98

[Immunogenicity of a conjugate of bovine serum albumin with polyacrylic acid] Abramenko TV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Nov;(11):86-9 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

A study of the state and depth of resin penetration into acid-etched enamel. Xu HC, et al. **Aust Dent J** 1983 Dec; 28(6):359-65

Haemodynamic consequences of application of acrylic cement during induced hypotension [letter] de Lange JJ, et al. **Br J Anaesth** 1984 Jun;56(6):670-1

Hydropneumatic heat polymerization—a contribution to the rational methods of making fixed prostheses. Ralev R. **Folia Med (Plovdiv)** 1983;25(2):22-5

Resin dentin bonding systems. Council on Dental Materials, Instruments, and Equipment. Fan PL. **J Am Dent Assoc** 1984 Feb;108(2):240-1

Bench-curing acrylic resins. Firtell DN, et al. **J Prosthet Dent** 1984 Mar;51(3):431-3

[Analysis of the cyclase enzyme activity of the cell membrane following lymphocyte stimulation with a mitogenic polyanion] Ataullakhanov RI. **Biull Eksp Biol Med** 1984 May;97(5):567-9 (Eng. Abstr.) **(Rus)**

[Interaction of polyanion molecules with the plasma membrane of lymphocytes differing in density of charged groups on the cell surface] Ataullakhanov RI, et al. **Biull Eksp Biol Med** 1984 May;97(5):588-90 (Eng. Abstr.) **(Rus)**

[Increase in the permeability of the lymphocyte plasma membrane for uni- and bivalent cations and low-molecular metabolites following exposure to mitogenic polyanions] Ataullakhanov RI, et al. **Biull Eksp Biol Med** 1984 Jul; 97(7):81-4 (Eng. Abstr.) **(Rus)**

[Correction of contact interaction between macrophages and non-syngeneic lymphoid cells with acrylic acid copolymer and N-vinylpyrrolidone] Gorbacheva LD, et al. **Patol Fiziol Eksp Ter** 1983 Jul-Aug;(4):35-8 (Eng. Abstr.) **(Rus)**

[Effect on helper activity of synthetic polyelectrolytes introduced into an in vitro system of interacting macrophages and thymus cells] Norimov ASh, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Mar;(3):100-3 (Eng. Abstr.) **(Rus)**

STANDARDS

[Study on occlusal wear of metal, porcelain and resin artificial posterior teeth] Noge A. **Kokubyo Gakkai Zasshi** 1984 Mar; 51(1):124-36 (Eng. Abstr.) **(Jpn)**

TOXICITY

Depressive effects of acrylic cement components on bone metabolism. Isotope release and phosphatase production studied in vitro. Pedersen JG, et al. **Acta Orthop Scand** 1983 Dec;54(6):796-801

In vitro cytotoxicity of a glass ionomer cement of a new generation. Meryon SD, et al. **Cell Biochem Funct** 1984 Jan;2(1):43-8

Combustion products from various kinds of fibers: toxicological hazards from smoke exposure. Betol E, et al. **Forensic Sci Int** 1983 Aug-Sep;22(2-3):111-6

Evaluation of the toxicity of denture base polymers after subcutaneous implantation in guinea pigs. Kallus T. **J Prosthet Dent** 1984 Jul;52(1):126-34

Toxicity of the components of styrene polymers: polystyrene, acrylonitrile-butadiene-styrene (ABS) and styrene-butadiene-rubber (SBR). Reactants and additives. Fishbein L. **Prog Clin Biol Res** 1984;141:239-62 (98 ref.)

ACRYLONITRILE see under **NITRILES**

ACTH see **CORTICOTROPIN**

ACTH SYNDROME, ECTOPIC see under **NEOPLASTIC ENDOCRINE-LIKE SYNDROMES**

ACTIHAEMYL see under **TISSUE EXTRACTS**

ACTING OUT

On the origins of the battered child syndrome: abuse as acting out of preverbal events. Gaddini R. **Child Abuse Negl** 1984; 8(1):41-5

Treatment of acting-out adolescents. Crabtree LH Jr. **Curr Psychiatr Ther** 1983;22:215-20

Outpatient psychotherapy of the acting—out patient. Monroe RR. **Curr Psychiatr Ther** 1983;22:73-9

Dealing with the abdication dynamic in the post divorce family: a context for adolescent crisis. Abelsohn D. **Fam Process** 1983 Sep;22(3):359-83

The bogeyman cometh: a strategic approach for difficult adolescents. O'Connor JJ, et al. **Fam Process** 1984 Jun; 23(2):237-49

Diabetes treatment and acting out. Mester R. **Isr J Psychiatry Relat Sci** 1983;20(4):299-304

Acting out. Hubback J. **J Anal Psychol** 1984 Jul;29(3):215-29

Screening for disruptive behavior of institutionalized juvenile offenders. Hooper FA, et al. **J Pers Assess** 1984 Apr; 48(2):159-61

Hand Test and the High School Personality Questionnaire: structural analysis. McGiboney GW, et al. **Percept Mot Skills** 1984 Feb;58(1):287-90

ACTINIC RAYS see **ULTRAVIOLET RAYS**

ACTINIDES see **METALS, ACTINIDE**

ACTININ see under **MUSCLE PROTEINS**

ACTINOBACILLUS

The in vitro effect of Actinobacillus actinomycetemcomitans strain Y4 lipopolysaccharide on murine peritoneal macrophages. Barker KA, et al. **Can J Microbiol** 1983 Nov; 29(11):1552–63

Inhibition of keratinocyte proliferation by extracts of Actinobacillus actinomycetemcomitans. Kamen PR. **Infect Immun** 1983 Dec;42(3):1191–4

ANALYSIS

Cytotoxicity of the bacterium Actinobacillus actinomycetemcomitans extracts in human gingival fibroblasts. Stevens RH, et al. **Arch Oral Biol** 1983; 28(11):981–7

Extraction and isolation of a leukotoxin from Actinobacillus actinomycetemcomitans with polymyxin B. Tsai CC, et al. **Infect Immun** 1984 Feb;43(2):700–5

Determination of bound cellular fatty acids in Actinobacillus actinomycetemcomitans and Haemophilus aphrophilus by gas chromatography and gas chromatography–mass spectrometry. Brondz I, et al. **J Chromatogr** 1984 Jun 8; 308:282–8

CLASSIFICATION

Biological characterization of Actinobacillus species and Pasteurella ureae. Bercovier H, et al. **Ann Microbiol (Paris)** 1984 Mar–Apr;135(2):203–18

Phenotypic differentiation of Pasteurella sensu stricto and the Actinobacillus group. Mutters R, et al. **Eur J Clin Microbiol** 1984 Jun;3(3):225–9

Endocarditis due to Actinobacillus actinomycetemcomitans serotype c and patient immune response. Pierce CS, et al. **J Infect Dis** 1984 Mar;149(3):479

The usefulness of the API 20 E classification system in the identification of Actinobacillus actinomycetem comitans, Actinobacillus seminis and Pasteurella haemolytica. Erasmus JA. **Onderstepoort J Vet Res** 1983 Jun;50(2):97–9

A study for the differentiation of Actinobacillus seminis, A. actinomycetem–comitans, Histophilus ovis and Pasteurella haemolytica. Swanepoel ML. **Onderstepoort J Vet Res** 1984 Mar;51(1):41–6

DRUG EFFECTS

Suppression of the periodontopathic microflora in localized juvenile periodontitis by systemic tetracycline. Slots J, et al. **J Clin Periodontol** 1983 Sep;10(5):465–86

IMMUNOLOGY

Purification and characterization of the serotype c antigen from Actinobacillus actinomycetemcomitans. Zambon JJ, et al. **Infect Immun** 1984 Apr;44(1):22–7

Immune response and periodontal bone loss in germfree rats immunized and infected with Actinobacillus actinomycetemcomitans. Taubman MA, et al. **J Periodont Res** 1983 Jul;18(4):393–401

The reaction of ovine neutrophils to Histophilus ovis in relation to genital infection of rams. Jansen BC, et al. **Onderstepoort J Vet Res** 1983 Jun;50(2):125–32

ISOLATION & PURIFICATION

Increased frequency of isolation of Pasteurella and Actinobacillus species and related organisms. Sakazaki R, et al. **Eur J Clin Microbiol** 1984 Jun;3(3):244–8

A longitudinal microbiological investigation of Actinobacillus actinomycetemcomitans and Eikenella corrodens in juvenile periodontitis. Mandell RL. **Infect Immun** 1984 Sep;45(3):778–80

Actinobacillus actinomycetemcomitans endocarditis [letter] Dibb WL, et al. **J Infect** 1983 Sep;7(2):168–9

Microbiological study of localized juvenile periodontitis in Panama. Eisenmann AC, et al. **J Periodontol** 1983 Dec; 54(12):712–3

Actinobacillus actinomycetemcomitans in human periodontal disease. Prevalence in patient groups and distribution of biotypes and serotypes within families. Zambon JJ, et al. **J Periodontol** 1983 Dec;54(12):707–11

Recovery of members of the Pasteurella–Actinobacillus–group from guinea pigs. Boot R, et al. **Lab Anim** 1983 Oct;17(4):285–9

Isolation of Actinobacillus actinomycetemcomitans from the blood of a patient with subacute bacterial endocarditis. Chong Y, et al. **Yonsei Med J** 1983;24(1):54–8

[Two cases of infective endocarditis caused by Haemophilus aphrophilus and Actinobacillus actinomycetemcomitans: case reports and microbiological studies] Shigeoka H, et al. **Kansenshogaku Zasshi** 1984 Feb;58(2):144–8 (Eng. Abstr.) **(Jpn)**

[2 cases of infective endocarditis due to Actinobacillus actinomycetemcomitans] Naomasa K, et al. **Rinsho Byori** 1983 Oct;31(10):1149–53 **(Jpn)**

METABOLISM

Determination of acids in whole lipopolysaccharide and in free lipid A from Actinobacillus actinomycetemcomitans and Haemophilus aphrophilus. Brondz I, et al. **J Chromatogr** 1984 Jun 8;308:19–29

PATHOGENICITY

Black-pigmented Bacteroides species, Capnocytophaga species, and Actinobacillus actinomycetemcomitans in human periodontal disease: virulence factors in colonization, survival, and tissue destruction. Slots J, et al. **J Dent Res** 1984 Mar;63(3):412–21

PHYSIOLOGY

Cytopathic effects of Actinobacillus actinomycetemcomitans on monkey blood leukocytes. Taichman NS, et al. **J Periodont Res** 1984 Mar;19(2):133–45

ACTINOBACILLUS INFECTIONS

Right-sided native-valve endocarditis caused by Actinobacillus actinomycetemcomitans. Hirsh PD, et al. **Chest** 1983 Oct;84(4):494–5

COMPLICATIONS

Actinobacillus actinomycetemcomitans endophthalmitis with subacute endocarditis. Lass JH, et al. **Ann Ophthalmol** 1984 Jan;16(1):54–61

Disseminated actinomycosis associated with infection by Capnocytophaga species. Juhl G, et al. **J Infect Dis** 1984 Apr;149(4):654

DIAGNOSIS

Actinobacillus actinomycetemcomitans pneumonia. Carlile JR, et al. **Clin Pediatr (Phila)** 1984 Oct;23(10):578–80

Suppression of clinical signs of infection by NSAIDs [letter] Carmody TJ, et al. **J Am Geriatr Soc** 1984 Sep;32(9):691

[Acute Actinobacillus actinomycetem comitans aortic endocarditis] Lepresle E, et al. **Ann Fr Anesth Reanim** 1983; 2(2):89–91 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Subacute bacterial endocarditis due to Actinobacillus actinomycetemcomitans. Peters J, et al. **Am J Med Sci** 1983 Nov–Dec;286(3):35–41 (11 ref.)

IMMUNOLOGY

Human immune responses to oral microorganisms. II. Serum antibody responses to antigens from Actinobacillus actinomycetemcomitans and the correlation with localized juvenile periodontitis. Ebersole JL, et al. **J Clin Immunol** 1983 Oct;3(4):321–31

Immune response and periodontal bone loss in germfree rats immunized and infected with Actinobacillus actinomycetemcomitans. Taubman MA, et al. **J Periodont Res** 1983 Jul;18(4):393–401

MICROBIOLOGY

Infective endocarditis due to Actinobacillus actinomycetemcomitans. Hansen W, et al. **Acta Clin Belg** 1984;39(2):97–102

Actinobacillus actinomycetemcomitans endocarditis [letter] Dibb WL, et al. **J Infect** 1983 Sep;7(2):168–9

Endocarditis due to Actinobacillus actinomycetemcomitans serotype c and patient immune response. Pierce CS, et al. **J Infect Dis** 1984 Mar;149(3):479

[2 cases of infective endocarditis due to Actinobacillus actinomycetemcomitans] Naomasa K, et al. **Rinsho Byori** 1983 Oct;31(10):1149–53 **(Jpn)**

PATHOLOGY

[Actinobacillus actinomycetem comitans endocarditis. Report of a case and review of the literature] Soto Ramírez L, et al. **Arch Inst Cardiol Mex** 1983 Sep–Oct;53(5):435–40 (Eng. Abstr.) **(Spa)**

VETERINARY

The usefulness of the API 20 E classification system in the identification of Actinobacillus actinomycetem comitans, Actinobacillus seminis and Pasteurella haemolytica. Erasmus JA. **Onderstepoort J Vet Res** 1983 Jun;50(2):97–9

The reaction of ovine neutrophils to Histophilus ovis in relation to genital infection of rams. Jansen BC, et al. **Onderstepoort J Vet Res** 1983 Jun;50(2):125–32

ACTINOBOLIN see under **ANTIBIOTICS**

ACTINOMYCES

CYTOLOGY

A conceptual model for the co-existence of Streptococcus spp. and Actinomyces spp. in dental plaque. van der Hoeven JS, et al. **J Dent Res** 1984 Mar;63(3):389–92

DRUG EFFECTS

Copper-inhibition of the growth of oral streptococci and actinomyces. Duguid R. **Biomaterials** 1983 Jul;4(3):225–7

ENZYMOLOGY

[Interaction of actinomycetes in relation to an intensification of protease biosynthesis] Landau NS, et al. **Mikrobiologiia** 1984 Mar–Apr;53(2):228–31 (Eng. Abstr.) **(Rus)**

GENETICS

Gene cloning in the actinomycetes. Taylor DP, et al. **Ann NY Acad Sci** 1983;413:47–56

GROWTH & DEVELOPMENT

Growth of oral Streptococcus species and Actinomyces viscosus in human saliva. de Jong MH, et al. **Appl Environ Microbiol** 1984 May;47(5):901–4

The effects of mutual interaction and host diet on the growth rates of the bacteria Actinomyces viscosus and Streptococcus mutans during colonization of tooth surfaces in di-associated gnotobiotic rats. Beckers HJ, et al. **Arch Oral Biol** 1984;29(3):231–6

The pattern of experimental colonization of a human and a rodent strain of the bacterium Actinomyces viscosus on the dentition of the rat. de Jong MH, et al. **Arch Oral Biol** 1984;29(5):349–52

In vitro and in vivo studies of cellular lysis of oral bacteria by a lysozyme–protease–inorganic monovalent anion antibacterial system. Pollock JJ, et al. **Infect Immun** 1984 Sep;45(3):610–7

Studies of cervicovaginal smears for the presence of actinomycetes. Jones JB, et al. **Mycopathologia** 1983; 83(1):53–5

IMMUNOLOGY

Activation of the alternate complement pathway by peptidoglycan of Actinomyces viscosus, a potentially pathogenic oral bacterium. Baker JJ, et al. **Arch Oral Biol** 1983;28(11):1073–5

Human serum precipitins to oral bacteria related to dental caries. Levine M, et al. **Arch Oral Biol** 1984;29(3):191–4

Specific inhibition of adsorption of Actinomyces viscosus T14V to saliva-treated hydroxyapatite by antibody against type 1 fimbriae. Clark WB, et al. **Infect Immun** 1984 Feb; 43(2):497–501

Effect of saliva on coaggregation of oral Actinomyces and Streptococcus species. Kolenbrander PE, et al. **Infect Immun** 1984 May;44(2):228–33

Identification of bacteria in immunopathological mechanisms of human periodontal diseases. Peković DD, et al. **J Periodont Res** 1984 Jul;19(4):329–51

Actinomyces viscosus and Actinomyces naeslundii agglutinins in human saliva. Ellen RP, et al. **Scand J Dent Res** 1983 Aug;91(4):263–73

ISOLATION & PURIFICATION

Actinomyces israelii in the genital tract of women with and without intra-uterine contraceptive devices. Persson E, et al. **Acta Obstet Gynecol Scand** 1983;62(6):563–8

A longitudinal study of Actinomyces israelii in the female genital tract. Persson E, et al. **Acta Obstet Gynecol Scand** 1984;63(3):207–16

Actinomyces in the female genital tract. A preliminary report. Grice GC, et al. **Br J Vener Dis** 1983 Oct; 59(5):317–9

Actinomyces denticolens Dent & Williams sp. nov: a new species from the dental plaque of cattle. Dent VE, et al. **J Appl Bacteriol** 1984 Apr;56(2):183–92

Automated immunofluorescent speciation of oral bacteria using flow cytometry. Barnett JM, et al. **J Dent Res** 1984 Aug;63(8):1040–2

A study on heifer mastitis in Japan and its causative microorganisms. Seno N, et al. **Natl Inst Anim Health Q (Tokyo)** 1983 Fall;23(3):82–91

Identification of bacteria in immunopathologic mechanisms of human dental pulp. Peković DD, et al. **Oral Surg** 1984 Jun;57(6):652–61

Airborne molds and actinomycetes in the work environment of farmer's lung patients in Finland. Kotimaa MH, et al. **Scand J Work Environ Health** 1984 Apr;10(2):115–9

[Actinomyces israelii. Methods of isolation and identification. Apropos of 10 cases] Casin I, et al. **Pathol Biol (Paris)** 1984 Mar;32(3):153–9 (Eng. Abstr.) **(Fre)**

[Pathogenic role of Actinomyces apart from actinomycosis. Apropos of 2 cases of acute suppurations with Actinomyces odontolyticus] Peloux Y, et al. **Sem Hop Paris** 1983 Dec 1;59(44):3063–4 (Eng. Abstr.) **(Fre)**

[Isolation of Actinomyces viscosus from an abscess caused by a dog bite] del Carmen Pinilla L, et al. **Rev Latinoam Microbiol** 1983 Jul–Sep;25(3):155–6 **(Spa)**

METABOLISM

Carbohydrate metabolism by Actinomyces viscosus growing in continuous culture. Hamilton IR, et al. **Infect Immun** 1983 Oct;42(1):19–26

Effects of fluoride, lithium, and strontium on intracellular polysaccharide accumulation in S. mutans and A. viscosus. Wegman MR, et al. **J Dent Res** 1984 Sep;63(9):1126–9

In vitro calculus formation from Actinomyces strains of oral origin. Negroni de Bonvehi MB, et al. **Medicina (B Aires)** 1983;43(3):296–300

[Immunoglobulin A protease secretion in Streptococcus sanguis accelerated by Actinomyces viscosus] Saito Y.

Kokubyo Gakkai Zasshi 1983 Sep;50(3):485 **(Jpn)**

PHYSIOLOGY

The effect of chlorhexidine on the colonization of the human and rat dentition by Actinomyces viscosus. de Jong MH, et al. **Caries Res** 1984;18(3):209–15

Inhibition of lactose-reversible adherence between Actinomyces viscosus and oral streptococci by salivary components. Komiyama K, et al. **Caries Res** 1984; 18(3):193–200

Evidence for the participation of N-acetylated amino sugars in the coaggregation between Cytophaga species strain DR2001 and Actinomyces israelii PK16. Kagermeier AS, et al. **Infect Immun** 1984 May;44(2):299–305

Interbacterial adherence between Actinomyces viscosus and strains of Streptococcus pyogenes, Streptococcus agalactiae, and Pseudomonas aeruginosa. Komiyama K, et al. **Infect Immun** 1984 Apr;44(1):86–90

Neuraminidase-activated attachment of Actinomyces naeslundii ATCC 12104 to human buccal epithelial cells. Saunders JM, et al. **J Dent Res** 1983 Oct;62(10):1038–40

Use of bacteriophage-resistant mutants to study Actinomyces viscosus cell surface receptors. Tylenda CA, et al. **J Dent Res** 1983 Nov;62(11):1179–81

Kinetics of adherence of Actinomyces viscosus to saliva-coated silica and hydroxyapatite beads. Myerthall DL, et al. **J Gen Microbiol** 1983 May;129 (Pt 5):1387–95

Whole cell agglutination and dextran binding in oral Actinomyces species. Kimura S, et al. **J Periodont Res** 1984 Jul;19(4):366–71

ULTRASTRUCTURE

The function and distribution of different fimbriae on strains of Actinomyces viscosus and Actinomyces naeslundii. Cisar JO, et al. **J Dent Res** 1984 Mar;63(3):393–6

[Characteristics of the ultrastructural organization of Actinomyces rimosus and Actinomyces violocinereus in monocultures and in an association producing extracellular proteases] Gesheva VI, et al. **Mikrobiologiia** 1984 Jan–Feb; 53(1):98–102 (Eng. Abstr.) **(Rus)**

ACTINOMYCES ASTEROIDES see **NOCARDIA ASTEROIDES**

ACTINOMYCETACEAE

[Inguinal mycetoma caused by A. pelletieri. Apropos of a case] Penalba C, et al. **Bull Soc Pathol Exot Filiales** 1984 Jan–Feb;77(1):39–43 (Eng. Abstr.) **(Fre)**

ANALYSIS

Co-isolation of proteolipids and calcium–phospholipid–phosphate complexes. Boyan BD, et al. **Calcif Tissue Int** 1984 Mar;36(2):214–8

DRUG EFFECTS

Antimicrobial susceptibility of Bifidobacterium. Matteuzzi D, et al. **Ann Microbiol (Paris)** 1983 May–Jun;134(3):339–49

GROWTH & DEVELOPMENT

Studies of cervicovaginal smears for the presence of actinomycetes. Jones JB, et al. **Mycopathologia** 1983; 83(1):53–5

ISOLATION & PURIFICATION

Microbiology problem: pus in the left eye. Youngberg A. **Am J Med Technol** 1983 Aug;49(8):587–8

Ecology of actinomycetes. Goodfellow M, et al. **Annu Rev Microbiol** 1983;37:189–216 (323 ref.)

[Use of milk-hydrolysate medium to isolate Bifidobacterium in intestinal dysbacteriosis] Podchas NI, et al. **Lab Delo** 1983;(8):50–1 (Eng. Abstr.) **(Rus)**

METABOLISM

in vitro synthesis of mycolic acids by the fluffy layer fraction of Bacterionema matruchotii. Shimakata T, et al. **Arch Biochem Biophys** 1984 Feb 15;229(1):329–39

Selectivity of utilization of galactosyl-oligosaccharides by bifidobacteria. Minami Y, et al. **Chem Pharm Bull (Tokyo)** 1983 May;31(5):1688–91

ACTINOMYCETALES

ANALYSIS

Sugar-containing lipids in the classification of representative Actinomadura and Nocardiopsis species. Mordarska H, et al. **Arch Immunol Ther Exp (Warsz)** 1983;31(2):135–43

Aculeximycin, a new antibiotic from Streptosporangium albidum. II. Isolation, physicochemical and biological properties. Ikemoto T, et al. **J Antibiot (Tokyo)** 1983 Sep; 36(9):1097–100

[Lipid characteristics of actinomycetes. I. The content and composition of lipid fractions] Konova IV. **Biol Nauki** 1983;(8):5–17 (100 ref.) (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Molecular-genetic and chemotaxonomic studies on Actinomadura and Nocardiopsis. Fischer A, et al. **J Gen Microbiol** 1983 Nov;129 (Pt 11):3433–46

A phylogenetic analysis of the family Dermatophilaceae. Stackebrandt E, et al. **J Gen Microbiol** 1983 Jun;129 (Pt 6):1831–8

[New species of Actinomadura recticatena sp. nov. and its antibiotic properties] Gauze GF, et al. **Antibiotiki** 1984 Jan; 29(1):3–7 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Multiple resistance to aminoglycoside antibiotics in actinomycetes. Hotta K, et al. **J Antibiot (Tokyo)** 1983 Dec; 36(12):1748–54

ENZYMOLOGY

Malate dehydrogenases from actinomycetes: structural comparison of Thermoactinomyces enzyme with other actinomycete and Bacillus enzymes. Smith K, et al. **J Bacteriol** 1984 Feb;157(2):684–7

Cystathionine gamma-lyase of Streptomyces phaeochromogenes. The occurrence of cystathionine gamma-lyase in filamentous bacteria and its purification and characterization. Nagasawa T, et al. **J Biol Chem** 1984 Aug 25;259(16):10393–403

Thymidine kinase of bacteria: activity of the enzyme in actinomycetes and related organisms. Saito H, et al. **J Gen Microbiol** 1984 Jul;130 (Pt 7):1863–70

Effect of various compounds on enkephalin hydrolysis by an aminopeptidase from the thermophiles Thermomonospora fusca ATCC 27730 and Thermus thermophilus ATCC 27634. Weiss B, et al. **Res Commun Chem Pathol Pharmacol** 1983 Jul;41(1):149–55

[Carboxypeptidase T—intracellular carboxypeptidase of Thermoactinomycetes—a distant analog of animal carboxypeptidase] Osterman AL, et al. **Biokhimiia** 1984 Feb;49(2):292–301 (Eng. Abstr.) **(Rus)**

[1,3-beta-Glucanases of actinomycetes] Tiunova NA, et al. **Mikrobiologiia** 1983 Jul–Aug;52(4):586–90 (Eng. Abstr.) **(Rus)**

GENETICS

Isolation and characterization of pock-forming plasmids for Streptomyces griseus from soil actinomycetes. Ohnuki T, et al. **Gene** 1983 Nov;25(1):155–9

[Studies on plasmid of the chuangxinmycin-producing strain. III. Screening of a non-producing mutant, HT52, of the chuangxinmycin-producing strain and identification of the plasmid by nitrocellulose membrane filters hybridization] Zhou XZ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1983 Jun; 5(3):165–8 (Eng. Abstr.) **(Chi)**

GROWTH & DEVELOPMENT

Investigation of the survival characteristics of Rhodococcus coprophilus and certain fecal indicator bacteria. Oragui JI, et al. **Appl Environ Microbiol** 1983 Aug;46(2):356–60

Teichomycins, new antibiotics from Actinoplanes teichomyceticus nov. sp. IV. Separation and characterization of the components of teichomycin (teicoplanin). Borghi A, et al. **J Antibiot (Tokyo)** 1984 Jun; 37(6):615–20

A-16686, a new antibiotic from Actinoplanes. I. Fermentation, isolation and preliminary physico-chemical characteristics. Cavalleri B, et al. **J Antibiot (Tokyo)** 1984 Apr;37(4):309–17

Relationship between antibiotic resistance and antibiotic productivity in actinomycetes which produce aminoglycoside antibiotics. Hotta K, et al. **J Antibiot (Tokyo)** 1983 Dec;36(12):1789–91

Aculeximycin, a new antibiotic from Streptosporangium albidum. I. Taxonomy of producing organism and fermentation. Ikemoto T, et al. **J Antibiot (Tokyo)** 1983 Sep;36(9):1093–6

Mycoplanecins, novel antimycobacterial antibiotics from Actinoplanes awajinensis subsp. mycoplanecinus subsp. nov. III. Structural determination of mycoplanecin A. Nakajima M, et al. **J Antibiot (Tokyo)** 1983 Aug; 36(8):967–75

Mycoplanecins, novel antimycobacterial antibiotics from Actinoplanes awajinensis subsp. mycoplanecinus subsp. nov. II. Isolation, physico-chemical characterization and biological activities of mycoplanecin A. Nakajima M, et al. **J Antibiot (Tokyo)** 1983 Aug;36(8):961–6

Mycoplanecins, novel antimycobacterial antibiotics from Actinoplanes awajinensis subsp. mycoplanecinus subsp. nov. I. Taxonomy of producing organism and fermentation. Torikata A, et al. **J Antibiot (Tokyo)** 1983 Aug;36(8):957–60

IMMUNOLOGY

Crossreactivity between Mycobacterium leprae and various actinomycetes and related organisms. Ridell M. **Int J Lepr** 1983 Jun;51(2):185–90

Immunochemical studies of a purified antigen from Micropolyspora faeni. Kurup VP, et al. **Mol Immunol** 1984 Mar;21(3):215–21

Cross-reactivity between Mycobacterium tuberculosis H37Rv and various actinomycetes and related organisms. Ridell M. **Tubercle** 1983 Sep;64(3):211–6

Prevalence of antibodies to Dermatophilus congolensis in sheep and goats in Nigeria. Oyejide A, et al. **Vet Q** 1984 Jan;6(1):44–5

ISOLATION & PURIFICATION

Novel method for selective isolation of actinomycetes. Hirsch CF, et al. **Appl Environ Microbiol** 1983 Oct;46(4):925–9

Antifungal actinomycetes in soils of West Bengal. Paul AK, et al. **Hindustan Antibiot Bull** 1984 Feb–May;26(1–2):18–22

Ecology of Rhodococcus equi. Barton MD, et al. **Vet Microbiol** 1984 Feb;9(1):65–76

[Survey of fungi and actinomycetes isolated from humans and animals in the Netherlands in 1982] de Vries GA, et al. **Ned Tijdschr Geneeskd** 1984 Mar 17;128(11):491–4 (Eng. Abstr.) **(Dut)**

[Use of molybdenum media with glycerin and admixtures of unassimilated polyols for differentiating actinomycetes] Potekhina LI. **Mikrobiologiia** 1983 Sep–Oct;52(5):794–9 (Eng. Abstr.) **(Rus)**

METABOLISM

Actaplanin, new glycopeptide antibiotics produced by Actinoplanes missouriensis. The isolation and preliminary chemical characterization of actaplanin. Debono M, et al. **J Antibiot (Tokyo)** 1984 Feb;37(2):85–95

Microbial hydroxylation of novobiocin and related compounds. Sebek OK, et al. **J Antibiot (Tokyo)** 1984 Feb; 37(2):136–42

ACTINOMYCETALES INFECTIONS

MICROBIOLOGY

Microbiology problem: pus in the left eye. Youngberg A. **Am J Med Technol** 1983 Aug;49(8):587–8

VETERINARY

Porcine epidermitis and dermatitis associated with Staphylococcus hyicus and Dermatophilus congolensis infections. Lomax LG, et al. **J Am Vet Med Assoc** 1983 Nov 15;183(10):1091–2

Streptothricosis in a dairy herd. Schillhorn van Veen TW, et al. **J Am Vet Med Assoc** 1983 Oct 1;183(7):801

Infection with Dermatophilus congolensis at a contact hypersensitivity site and its relevance to chronic streptothricosis lesions in the cattle of West Africa. Davis D. **J Comp Pathol** 1984 Jan;94(1):25–32

Granulomatous sub-dermal lesions in sheep inoculated with Dermatophilus congolensis. Momotani E, et al. **J Comp Pathol** 1984 Jan;94(1):33–43

Cutaneous granules associated with dermatophilosis in a white-tailed deer. Salkin IF, et al. **J Wildl Dis** 1983 Oct; 19(4):361–3

Case of Dermatophilus congolensis infection in a two-day-old calf. Ezeh AO, et al. **Vet Rec** 1984 Mar 31; 114(13):321

[Dermatophilosis in the French Antilles] Esterre P, et al. **Rev Elev Med Vet Pays Trop** 1983;36(2):137–40 (Eng. Abstr.) **(Fre)**

ACTINOMYCETE INFECTIONS see **ACTINOMYCETALES INFECTIONS**

ACTINOMYCIN

BIOSYNTHESIS

4-Methyl-3-hydroxyanthranilic acid activating enzyme from actinomycin-producing Streptomyces chrysomallus. Keller U, et al. **Biochemistry** 1984 Mar 27;23(7):1479–84

Acyl pentapeptide lactone synthesis in actinomycin-producing streptomycetes by feeding with structural analogs of 4-methyl-3-hydroxyanthranilic acid. Keller U. **J Biol Chem** 1984 Jul 10;259(13):8226–31

[Regulation of the biosynthesis of secondary metabolites in Streptomyces galbus] Kuznetsov VD, et al. **Mikrobiologiia** 1984 May–Jun;53(3):357–63 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

[Diffuse superficial nephroblastomatosis. Chemotherapy. 1 case] Lutz P, et al. **Presse Med** 1983 Oct 1;12(34):2097–100 (Eng. Abstr.) **(Fre)**

ACTINOMYCIN D see **DACTINOMYCIN**

ACTINOMYCOSIS

Actinomycosis of the spine: two case reports. David CV, et al. **Med J Malaysia** 1983 Jun;38(2):161–3

[Actinomycosis in childhood] Mothes W, et al. **Zentralbl Chir** 1984;109(4):263–9 **(Ger)**

[Generalized actinomycosis in man] Schneider D. **Zentralbl Chir** 1984;109(13):887–90 **(Ger)**

[Pelvic inflammatory disease caused by Actinomyces in a woman with an IUD] Romanelli R, et al. **Minerva Ginecol** 1984 May;36(5):239–43 (Eng. Abstr.) **(Ita)**

COMPLICATIONS

Pelvic inflammatory disease and Actinomyces [letter] Bhardwaj G. **Am J Obstet Gynecol** 1984 Jul 15;149(6):697

Actinomycosis of the gall bladder. Smithers BM, et al. **Aust NZ J Surg** 1983 Dec;53(6):587–8

Disseminated actinomycosis associated with infection by Capnocytophaga species. Juhl G, et al. **J Infect Dis** 1984 Apr;149(4):654

Simultaneous occurrence of actinomycosis and lymphocytic lymphoma. Winter RJ, et al. **J R Soc Med** 1983 Dec; 76(12):1071–2

Cardiac tamponade due to actinomycosis. Ramsdale DR, et al. **Thorax** 1984 Jun;39(6):473–4

[Sigmoid–rectum stenosis in uterorectal actinomycosis] Jatzko G, et al. **Chirurg** 1984 Feb;55(2):125–7 **(Ger)**

CONGENITAL

[Neonatal contamination by Actinomyces israelii (letter)] Tramier D, et al. **Presse Med** 1983 Oct 29;12(38):2398 **(Fre)**

DIAGNOSIS

Primary gastric actinomycosis: a case report and review of the literature. Van Olmen G, et al. **Am J Gastroenterol** 1984 Jul;79(7):512–6

Draining inguinal ulcer in a middle-aged woman [clinical conference] **Am J Med** 1984 Sep;77(3):537–44

An atypical case of abdominal actinomycosis. Feeley TM, et al. **Ir Med J** 1983 Sep;76(9):387

Intracranial actinomycoma with osteomyelitis simulating meningioma. Case report. Khosla VK, et al. **J Neurosurg** 1984 Jan;60(1):204–7

Actinomycosis: diagnostic and therapeutic considerations and a review of 32 cases. Bennhoff DF. **Laryngoscope** 1984 Sep;94(9):1198–217 (73 ref.)

Abdominal actinomycosis. Elem B, et al. **Med J Zambia** 1981 Nov–1982 Jan;16(1):11–3

Thoracic actinomycosis mimicking the Pancoast Syndrome. Eiben C, et al. **Minn Med** 1983 Sep;66(9):541–4

Actinomyces meyeri presenting as an asymptomatic lung mass. Rippon JW, et al. **Mycopathologia** 1984 Feb 15; 84(2–3):187–92

[Incidence of actinomycosis in the gynecology department of a polyclinic] Drnek F. **Cesk Gynekol** 1984 Feb;49(1):32–4 **(Cze)**

[A patient with actinomycosis of the lungs (letter)] Kolstee HJ. **Ned Tijdschr Geneeskd** 1984 Feb 11;128(6):283 **(Dut)**

[A patient with actinomycosis of the lung] Utama I, et al. **Ned Tijdschr Geneeskd** 1983 Dec 10;127(50):2283–5 (Eng. Abstr.) **(Dut)**

[Aspergilloma, actinomycosis, nocardiosis, coccidioidomycosis and pulmonary bilharziasis: apropos of 19 cases] Cavin R, et al. **Helv Chir Acta** 1984 Jun; 51(2):251–6 (Eng. Abstr.) **(Fre)**

[Hepatic actinomycosis presenting as a pseudotumor] Lamoureux E, et al. **Union Med Can** 1984 Jan;113(1):30–1, 34 **(Fre)**

[Actinomycosis of the lung] Heyenga H, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:1069–72 (Eng. Abstr.) **(Ger)**

[Actinomycotic infection of endometriosis caused by intrauterine contraception] Reuleaux H, et al. **Zentralbl Gynakol** 1983;105(18):1181–8 (Eng. Abstr.) **(Ger)**

[Report of a case of actinomycosis of the terminal ileum with special reference to diagnostic problems] Campiotti A, et al. **Minerva Chir** 1983 Jul 15–31;38(13–14):1125–30 (Eng. Abstr.) **(Ita)**

[Case of tuberous actinomycosis of the chest wall] Jeżyna C, et al. **Wiad Lek** 1983 Oct 1;36(19):1609–12 (Eng. Abstr.) **(Pol)**

[Actinomycosis of the pancreas] Rozenberg VD. **Klin Med (Mosk)** 1983 Aug;61(8):127–8 **(Rus)**

[Actinomycosis of the ear] Gladkiĭ NI, et al. **Vestn Otorinolaringol** 1983 Sep–Oct;(5):76–7 **(Rus)**

[Hepatic actinomycosis. Commentary on a case] Ruíz López PM, et al. **Rev Esp Enferm Apar Dig** 1984 Feb;65(2):171–6 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Treatment of pulmonary actinomycosis with rifampin. Morrone N, et al. **G Ital Chemioter** 1982 Jul–Dec; 29(2):121–4

ETIOLOGY

Genital colonization by Actinomyces israelii and serologic immune response to the bacterium after five years use of the same copper intra-uterine device. Persson E, et al. **Acta Obstet Gynecol Scand** 1984;63(3):203–5

Actinomycosis revisited—pelvic actinomycosis associated with the intrauterine device. Harris LF, et al. **Ala Med** 1984 May;53(11):29–30

Draining fistulas associated with an endodontically treated tooth. Craig RM, et al. **J Am Dent Assoc** 1984 May; 108(5):851–2

Abdominal actinomycosis—a late complication of gastrectomy. Brink PR, et al. **Neth J Surg** 1984 Jun; 36(3):80–2

[Tubo–ovarian actinomycosis associated with the use of intrauterine contraceptive device] Top C, et al. **Ugeskr Laeger** 1983 Dec 19;145(51):3999 (Eng. Abstr.) **(Dan)**

[Genital mycosis caused by an intra-uterine pessary. (case report)] Kliemke A. **Z Arztl Fortbild (Jena)** 1983; 77(15):651–2 **(Ger)**

MICROBIOLOGY

Actinomycetes as the causative organism of osteomyelitis in sickle cell disease. Barter SJ, et al. **Skeletal Radiol** 1984; 11(4):271–3

[Pathogenic role of Actinomyces apart from actinomycosis. Apropos of 2 cases of acute suppurations with Actinomyces odontolyticus] Peloux Y, et al. **Sem Hop Paris** 1983 Dec 1;59(44):3063–4 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Renal actinomycosis associated with a duodenorenal fistula caused by foreign body. Abe F, et al. **Acta Pathol Jpn** 1984 Mar;34(2):411–5

Periapical actinomycosis. Martin IC, et al. **Br Dent J** 1984 Mar 10;156(5):169–70

Actinomycosis involving bone (review and a report). Mohanty PR, et al. **Indian J Pathol Microbiol** 1983 Oct; 26(4):321–3

Actinomycosis—unusual presentation (a report of two cases). Sharma SC, et al. **J Assoc Physicians India** 1984 Mar; 32(3):301–2

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 45–1983. A young man with a mass involving the lung, pleura, and chest wall. **N Engl J Med** 1983 Nov 10;309(19):1171–8

[The problem of abdominal actinomycosis] Viiachki I, et al. **Khirurgiia (Sofiia)** 1983;36(5):449–53 **(Bul)**

[Actinomycosis of the middle ear] Gattaz G, et al. **HNO** 1984 Feb;32(2):65–8 (Eng. Abstr.) **(Ger)**

[Actinomycosis of the colon. Anatomo-clinical description of a case] Gangemi P, et al. **Pathologica** 1984 Mar–Apr; 76(1042):269–73 (Eng. Abstr.) **(Ita)**

[Primary abdominal actinomycosis. Report of a case] Ramírez O, et al. **Med Cutan Iber Lat Am** 1984;12(1):29–32 (Eng. Abstr.) **(Spa)**

VETERINARY

Tracheal actinomycosis in a cow. Bertone AL, et al. **J Am Vet Med Assoc** 1984 Jul 15;185(2):221–2

[Isolation of Actinomyces viscosus from an abscess caused by a dog bite] del Carmen Pinilla L, et al. **Rev Latinoam Microbiol** 1983 Jul–Sep;25(3):155–6 **(Spa)**

ACTINOMYCOSIS, CERVICOFACIAL

COMPLICATIONS

Simultaneous occurrence of Garre's osteomyelitis with cervico-facial actinomycosis. Cheng K, et al. **J Oral Med** 1984 Jan–Mar;39(1):44–6

DIAGNOSIS

Primary actinomycosis of the thyroid mimicking carcinoma. Dan M, et al. **J Otolaryngol** 1984 Apr;13(2):109–12

[Use of a method of expert assessment for the purpose of identifying the informative clinical parameters for the differential diagnosis of maxillofacial actinomycosis] Burova SA. **Stomatologiia (Mosk)** 1983 Jul–Aug;62(4):45–7 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

The use of oral amoxycillin for the treatment of actinomycosis. A clinical and in vitro study. Martin MV. **Br Dent J** 1984 Apr 7;156(7):252–4

ETIOLOGY

Actinomycosis involving a mandibular odontoma. Sadeghi EM, et al. **J Am Dent Assoc** 1983 Sep;107(3):434–7

IMMUNOLOGY

[The direct basophil test with actinolysate in the diagnosis of maxillofacial actinomycosis] Ado VA, et al. **Lab Delo** 1984;(6):341–3 (Eng. Abstr.) **(Rus)**

[Interrelation of the indices of the T-, B- and A-immunity systems in actinomycosis of the maxillofacial area] Robustova TG, et al. **Stomatologiia (Mosk)** 1984 Jul–Aug; 63(4):23–6 (Eng. Abstr.) **(Rus)**

PATHOLOGY

[Actinomycosis: apropos of a case of cervicofacial actinomycosis] Sofianou D, et al. **Rev Odontostomatol (Paris)** 1983 Jul–Aug;12(4):293–5 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

CT diagnosis of actinomycosis of the neck. Silverman PM, et al. **J Comput Assist Tomogr** 1984 Aug;8(4):793–4

THERAPY

[Physiotherapy in the combined treatment of cervicofacial actinomycosis] Pachkaeva NA, et al. **Stomatologiia (Mosk)** 1984 May–Jun;63(3):53–4 (Eng. Abstr.) **(Rus)**

[Physical methods in the combined treatment of maxillofacial actinomycosis] Robustova TG, et al. **Stomatologiia (Mosk)** 1983 Sep–Oct;62(5):52–4 (Eng. Abstr.) **(Rus)**

ACTINON see RADON

ACTINOSPECTACIN

[Update on antibiotic therapy. 22) Spectinomycin] Di Nola F. **Minerva Med** 1984 Mar 10;75(9–10):501–4 **(Ita)**

ADVERSE EFFECTS

Systemic anaphylaxis caused by parenteral spectinomycin. Bender BS, et al. **South Med J** 1983 Nov;76(11):1456–7

PHARMACODYNAMICS

The activity of rosoxacin, fosfomycin, cefotiam, and spectinomycin on beta-lactamase producing Neisseria gonorrhoeae. Dickgiesser N, et al. **Br J Vener Dis** 1984 Jun;60(3):154–6

Spectinomycin resistant gonococci. Ison CA, et al. **Br Med J [Clin Res]** 1983 Dec 17;287(6408):1827–9

[Bacterial flora isolated from the cervical secretions of patients with acute gonorrhea and their sensitivities to spectinomycin and ampicillin] Deguchi K, et al. **Jpn J Antibiot** 1983 Aug;36(8):2098–102 (Eng. Abst..) **(Jpn)**

THERAPEUTIC USE

Treatment of gonorrhoea in males in the Central African Republic with spectinomycin and procaine penicillin. Meheus A, et al. **Bull WHO** 1984;62(1):89–94

A combined treatment in prevention of postgonococcal urethritis. Patrone P, et al. **Dermatologica** 1984;168(6):300–2

[Treatment of gonorrhea with spectinomycin and penicillin] Backhaus A, et al. **Z Hautkr** 1984 Jul 1;59(13):894–901 (Eng. Abstr.) **(Ger)**

[Treatment of gonorrhea with spectinomycin] Stapiński A, et al. **Przegl Dermatol** 1983 Mar–Apr;70(2):115–20 (58 ref.) (Eng. Abstr.) **(Pol)**

TOXICITY

Antibiotic resistance mutations in 16S and 23S ribosomal RNA genes of Escherichia coli. Sigmund CD, et al. **Nucleic Acids Res** 1984 Jun 11;12(11):4653–63

ACTINOSPECTOCIN see ACTINOSPECTACIN

ACTINOTHERAPY see ULTRAVIOLET THERAPY

ACTINS

Characterization of the ATP–G–actin aggregates formed at low potassium chloride concentration. Grazi E, et al. **Biochem J** 1984 Apr 1;219(1):273–6

Fluorescence energy transfer between probes on actin and probes on myosin. Dos Remedios CG, et al. **Biochim Biophys Acta** 1984 Jul 31;788(2):193–205

Kinetic model for the interaction of myosin subfragment 1 with regulated actin. Balazs AC, et al. **Biophys J** 1983 Nov; 44(2):145–51

Fluorescence of actin–bound hydrophobic molecules. Burtnick LD, et al. **Can J Biochem Cell Biol** 1983 Sep; 61(9):981–8

A comparison of methods used to characterize gelation of actin in vitro. Rockwell MA, et al. **Cell Motil** 1984; 4(3):197–213

The form and function of actin. A product of its unique design. DeRosier DJ, et al. **Cell Muscle Motil** 1984; 5:139–69

Effect of troponin–tropomyosin complex and Ca2+ on conformational changes in F–actin induced by myosin subfragment–1. Borovikov YS, et al. **Eur J Biochem** 1983 Nov 2;136(2):363–9

Actin paracrystal induction by forskolin and by db–cAMP in CHO cells. Osborn M, et al. **Exp Cell Res** 1984 Feb; 150(2):408–18

A comparative study of actins of different vertebrates. Singh VB, et al. **Indian J Biochem Biophys** 1983 Feb;20(1):46–9

X–ray diffraction photographs of chicken gizzard G–actin.DNase I complex crystals taken with synchrotron radiation. Sakabe N, et al. **J Biochem (Tokyo)** 1984 Mar; 95(3):887–90

How to build a bend into an actin bundle. DeRosier DJ, et al. **J Mol Biol** 1984 May 5;175(1):57–73

Actin–myosin interactions visualized by the quick–freeze, deep–etch replica technique. Heuser JE, et al. **J Mol Biol** 1983 Sep 5;169(1):97–122

Amino acid sequence of Acanthamoeba actin. Vandekerckhove J, et al. **J Mol Biol** 1984 Jan 5; 172(1):141–7

Interaction of myosin filaments and minifilaments with actin: a comparative study. Strzelecka–Golaszewska H, et al. **J Muscle Res Cell Motil** 1984 Feb;5(1):25–44

Actin–based gelation of cytoplasmic extracts from brain tissue. Palmer E, et al. **J Neurochem** 1984 Oct; 43(4):994–1002

Tubular arrays of the actin–DNase I complex induced by gadolinium. Fowler WE, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(6):1669–73

Application of the Dale–Eisinger analysis to proximity mapping in the contractile system. Torgerson PM, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(12):3723–7

Towards an alignment of the actin molecule within the actin filament. Smith PR, et al. **Ultramicroscopy** 1984; 13(1–2):113–23

[Amanita virosa peptides: viroidin and viroisin are more effective than phalloidin for the in vitro protection of actin against the effects of osmic acid] Gicquaud C, et al. **Eur J Cell Biol** 1983 Nov;32(1):171–3 (Eng. Abstr.) **(Fre)**

ANALYSIS

Immunohistochemical identification and localization of actin and fimbrin in vestibular hair cells in the normal guinea pig and in a strain of the waltzing guinea pig. Sobin A, et al. **Acta Otolaryngol (Stockh)** 1983 Nov–Dec; 96(5–6):407–12

Actin content of normal and of bleomycin–fibrotic rat lung. Low RB, et al. **Am Rev Respir Dis** 1984 Feb;129(2):311–6

Measurement of rate constants for actin filament elongation in solution. Pollard TD. **Anal Biochem** 1983 Oct 15; 134(2):406–12

Actin filaments in contracting preretinal membranes. Wallow IH, et al. **Arch Ophthalmol** 1984 Sep;102(9):1370–5

Presence of actin in oncornaviruses. Stanislawsky L, et al. **Biochem Biophys Res Commun** 1984 Jan 30;118(2):580–6

Actin and associated proteins in gastric epithelial cells. Wolosin JM, et al. **Biochim Biophys Acta** 1983 Dec 13; 761(2):171–82

Ultrastructural localization of tubulin and actin in polyethylene glycol–embedded rat seminiferous epithelium by immunogold staining. Wolosewick JJ, et al. **Biol Cell** 1983;49(3):219–26

Detection and characterization of actin monomers, oligomers, and filaments in solution by measurement of fluorescence photobleaching recovery. Lanni F, et al. **Biophys J** 1984 Jul;46(1):97–110

Dibutyryl cyclic AMP causes intermediate filament accumulation and actin reorganization in astrocytes. Goldman JE, et al. **Brain Res** 1984 Jul 23;306(1–2):85–95

Infantile digital fibromatosis. Identification of actin filaments in cytoplasmic inclusions by heavy meromyosin binding. Iwasaki H, et al. **Cancer** 1983 Nov 1;52(9):1653–61

Cytoplasmic actin patterns in Physarum as revealed by NBD–phallacidin staining. Naib–Majani W, et al. **Cell Biol Int Rep** 1983 Aug;7(8):637–40

Talin: a cytoskeletal component concentrated in adhesion plaques and other sites of actin–membrane interaction. Burridge K, et al. **Cell Motil** 1983;3(5–6):405–17

Organizational forms of actin in 13762 ascites mammary tumor cell microvilli. Carraway CA, et al. **Cell Motil** 1983; 3(5–6):491–500

Gamma actin, spectrin, and intermediate filament proteins colocalize with vinculin at costameres, myofibril–to–sarcolemma attachment sites. Craig SW, et al. **Cell Motil** 1983;3(5–6):449–62

Complexes containing actin and spectrin from erythrocyte and brain. Lin DC, et al. **Cell Motil** 1983;3(5–6):375–82

Changes in actin during cell differentiation. Nagata K, et al. **Cell Muscle Motil** 1984;5:171–93 (111 ref.)

The cytoskeleton of microvilli of leech photoreceptors. A stable bundle of actin microfilaments. Blest AD, et al. **Cell Tissue Res** 1983;234(1):9–16

Evidence for the concentration of F–actin and myosin in synapses and in the plasmalemmal zone of axons. Drenckhahn D, et al. **Eur J Cell Biol** 1983 Sep;31(2):235–40

Visualization of actin in situ by rhodamine–conjugated phalloin in the fungus Uromyces phaseoli. Hoch HC, et al. **Eur J Cell Biol** 1983 Nov;32(1):52–8

Actin microfilaments and fibroin secretion in the silkgland cells of Bombyx mori. Effects of cytochalasin B. Couble P, et al. **Exp Cell Res** 1984 Apr;151(2):322–31

The influence of contact–inhibited growth and of agents which alter cell morphology on the levels of G– and F–actin in cultured cells. Heacock CS, et al. **Exp Cell Res** 1984 Aug;153(2):402–12

Levels of filamentous and globular actin in Chinese hamster ovary cells throughout the cell cycle. Heacock CS, et al. **Exp Cell Res** 1983 Aug;147(1):240–6

In situ localization of S1–labeled actin filaments in chick lens epithelial cells. Roth AR, et al. **Exp Eye Res** 1984 Jun; 38(6):593–603

Electron microscopic immunochemical localization of actin in fibroblasts in healing skin and palate wounds of beagle dog. Squier CA, et al. **Histochemistry** 1983;78(4):513–22

Stoichiometry of actin X S–1 cross–linked complex. Greene LE. **J Biol Chem** 1984 Jun 25;259(12):7363–6

Actin of Naegleria gruberi. Absence of N tau–methylhistidine. Sussman DJ, et al. **J Biol Chem** 1984 Jun 10;259(11):7349–54

Actin in the photoreceptor connecting cilium: immunocytochemical localization to the site of outer segment disk formation. Chaitin MH, et al. **J Cell Biol** 1984 Jul;99(1 Pt 1):239–47

Differences in the organization of actin in the growth cones compared with the neurites of cultured neurons from chick embryos. Letourneau PC. **J Cell Biol** 1983 Oct;97(4):963–73

Monomer–polymer equilibria in the axon: direct measurement of tubulin and actin as polymer and monomer in axoplasm. Morris JR, et al. **J Cell Biol** 1984 Jun;98(6):2064–76

In vivo co–distribution of fibronectin and actin fibers in granulation tissue: immunofluorescence and electron microscope studies of the fibronexus at the myofibroblast surface. Singer II, et al. **J Cell Biol** 1984 Jun;98(6):2091–106

Observations on how actin filaments become organized in cells. Tilney LG, et al. **J Cell Biol** 1984 Jul;99(1 Pt 2):76s–82s

Localization of actin and myosin for the study of ameboid movement in Dictyostelium using improved immunofluorescence. Yumura S, et al. **J Cell Biol** 1984 Sep;99(3):894–9

Actin in Xenopus yolk platelets: a peculiar and debated presence. Colombo R. **J Cell Sci** 1983 Sep;63:263–70

Organization of actin cytoskeleton during early endothelial regeneration in vitro. Gabbiani G, et al. **J Cell Sci** 1984 Mar;66:39–50

Actin expression in smooth muscle cells of rat aortic intimal thickening, human atheromatous plaque, and cultured rat aortic media. Gabbiani G, et al. **J Clin Invest** 1984 Jan; 73(1):148–52

Light microscope observations on actin distribution during morphogenetic movements in the chick embryo. Ostrovsky D, et al. **J Embryol Exp Morphol** 1983 Dec;78:23–32

Immunocytochemical localization of cytoskeletal proteins and histone 2B in isolated membrane–depleted nuclei, metaphase chromatin, and whole Chinese hamster ovary cells. Armbruster BL, et al. **J Histochem Cytochem** 1983 Dec;31(12):1385–93

Association of beta–cytoplasmic actin with high concentrations of acetylcholine receptor (AChR) in normal and anti–AChR–treated primary rat muscle cultures. Lubit BW. **J Histochem Cytochem** 1984 Sep;32(9):973–81

Distance between nucleotide site and cysteine–373 of G–actin by resonance energy transfer measurements. Cheung HC, et al. **J Muscle Res Cell Motil** 1984 Feb;5(1):65–80

The profilin—actin complex: further characterization of profilin and studies on the stability of the complex. Malm B, et al. **J Muscle Res Cell Motil** 1983 Oct;4(5):569–88

Immunocytochemical studies of actin localization in the central nervous system. Goldman JE. **J Neurosci** 1983 Oct; 3(10):1952–62

Distribution patterns of actin and myosin during leucocyte movement and phagocytosis. Ueda T, et al. **Nippon Ketsueki Gakkai Zasshi** 1983 Dec;46(7):1451–61

Expression of glial fibrillary acidic protein, actin, fibronectin and factor VIII antigen in human astrocytomas. Lolait SJ, et al. **Pathology** 1983 Oct;15(4):373–8

Proteolysis and structure of skeletal muscle actin. Mornet D, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(12):3680–4

A method for staining actin–containing structures in thick plastic sections for medium voltage electron microscopy. Smith JM. **Tissue Cell** 1984;16(1):43–51

[Distribution of glomerular actin in renal diseases] Ebihara I. **Nippon Jinzo Gakkai Shi** 1983 Oct;25(10):1243–54 (Eng. Abstr.) **(Jpn)**

[Neoplastic transformation of cells and cytoskeletons] Karasaki S. **Tanpakushitsu Kakusan Koso** 1983 Apr; 28(5):774–88 (89 ref.) **(Jpn)**

[Agents affecting cytoskeletal proteins] Natori S, et al. **Tanpakushitsu Kakusan Koso** 1983 Apr;28(5):789–800 (87 ref.) **(Jpn)**

[Quantitative distribution and partial identification of actin–like protein in rat liver mitochondria] Stozharov AN. **Biokhimiia** 1983 Dec;48(12):2016–22 (Eng. Abstr.) **(Rus)**

[Actin filaments in the oocyte nuclei of the common frog] Drozdov AL, et al. **Dokl Akad Nauk SSSR** 1983; 273(5):1237–40 **(Rus)**

[The protein forming a gel with actin in a splenic extract is myosin] Gioeva FK, et al. **Dokl Akad Nauk SSSR** 1984; 274(5):1248–50 **(Rus)**

[Changes in the actin cytoskeleton and cell adhesion during processes of neoplastic transformation and normalization of neoplastic cells] Bershadskiĭ AD. **Vestn Akad Med Nauk SSSR** 1984;(5):20–5 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

[Effect of nonelectrolytes on the polymerization of G–actin] Braun AD, et al. **Tsitologiia** 1984 May;26(5):614–7 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Changes in actin synthesis and alpha–actin–mRNA content in rat muscle during immobilization. Watson PA, et al. **Am J Physiol** 1984 Jul;247(1 Pt 1):C39–44

Fc receptor–directed phagocytic stimuli induce transient actin assembly at an early stage of phagocytosis in neutrophil leukocytes. Sheterline P, et al. **Eur J Cell Biol** 1984 May;34(1):80–7

The differential expression of the actins and tubulins during spermatogenesis in the mouse. Hecht NB, et al. **Exp Cell Res** 1984 Jul;153(1):275–80

Action of a 19K protein from porcine brain on actin polymerization: a new functional class of actin–binding proteins. Nishida E, et al. **J Biochem (Tokyo)** 1984 Feb; 95(2):387–98

Characterization of the action of porcine brain profilin on actin polymerization. Nishida E, et al. **J Biochem (Tokyo)** 1984 Feb;95(2):399–404

A vascular smooth muscle alpha–isoactin biosynthetic intermediate in BC3H1 cells. Identification of acetylcysteine at the NH2 terminus. Strauch AR, et al. **J Biol Chem** 1984 Jun 10;259(11):7224–9

Shut–off of actin biosynthesis in adenovirus serotype–2–infected cells. Khalili K, et al. **J Mol Biol** 1984 Jun 5;175(4):453–68

Macromolecular syntheses during the quick–change act of Naegleria. Fulton C. **J Protozool** 1983 May;30(2):192–8 (34 ref.)

BLOOD

Evidence of increased Gc:actin complexes in pregnant serum: a possible result of trophoblast embolism. Emerson DL, et al. **Am J Reprod Immunol** 1983 Dec;4(4):185–9

Specific desensitization of actin polymerization of bovine platelets. Imada T, et al. **Biochem Biophys Res Commun** 1984 May 16;120(3):846–50

Role of actin binding protein phosphorylation in platelet cytoskeleton assembly. Zhuang QQ, et al. **Biochem Biophys Res Commun** 1984 Jan 30;118(2):508–13

Association of actin with the platelet membrane. Davies GE. **Biochim Biophys Acta** 1984 May 16;772(2):149–60

G–actin and F–actin levels at different stages of mouse erythroid differentiation. Scher BM, et al. **Cell Biol Int Rep** 1983 Aug;7(8):661–7

Changes in cytoskeletal proteins of polymorphonuclear leukocytes induced by chemotactic peptides. Fechheimer M, et al. **Cell Motil** 1983;3(4):349–61

Distribution of actin in migrating leukocytes in vivo. Wolosewick JJ. **Cell Tissue Res** 1984;236(3):517–25

The motor of leukocytes. Stossel TP, et al. **Fed Proc** 1984 Sep;43(12):2760–3

Distribution of actin content in human B and T lymphocytes by DNAse 1 inhibition test. Mely–Goubert B, et al. **Immunol Lett** 1983;7(2):81–4

Platelet activation induces the formation of a stable gelsolin–actin complex from monomeric gelsolin. Kurth MC, et al. **J Biol Chem** 1984 Jun 25;259(12):7473–9

Stimulation by chemotactic factor of actin association with the cytoskeleton in rabbit neutrophils. Effects of calcium and cytochalasin B. White JR, et al. **J Biol Chem** 1983 Nov 25;258(22):14041–7

Actin filament content and organization in unstimulated platelets. Fox JE, et al. **J Cell Biol** 1984 Jun;98(6):1985–91

Chemotactic peptide–induced changes in neutrophil actin conformation. Wallace PJ, et al. **J Cell Biol** 1984 Sep; 99(3):1060–5

Polymerization and organization of actin filaments within platelets. Fox JE, et al. **Semin Hematol** 1983 Oct; 20(4):243–60 (131 ref.)

[Molecular interactions of membrane proteins and erythrocyte deformability] Boivin P. **Pathol Biol (Paris)** 1984 Jun;32(6):717–35 (308 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSTIC USE

75Se–seleno–methionine–actin as a probe for determination of platelet production rate. Cardinaud R, et al. **Thromb Haemost** 1983 Dec 30;50(4):824–30

GENETICS

Recombinant DNA studies of muscle and nonmuscle actin genes. Schwartz RJ. **Anat Rec** 1983;Suppl 1:27–50 (49 ref.)

Recombinant DNA studies of muscle and nonmuscle actin genes. Schwartz RJ. **Anat Rec [Suppl]** 1983;1:27–50

Alpha actin gene exist in an active structural configuration in the proliferating myoblasts as well as in differentiated myotubes of the L6 line. Leibovitch SA, et al. **Biochem Biophys Res Commun** 1984 Mar 15;119(2):630–9

Actin genes from the sea star Pisaster ochraceus. Kovesdi I, et al. **Biochim Biophys Acta** 1984 May 15;782(1):76–86

Transcripts of the six Drosophila actin genes accumulate in a stage– and tissue–specific manner. Fyrberg EA, et al. **Cell** 1983 May;33(1):115–23

Expression of human cardiac actin in mouse L cells: a sarcomeric actin associates with a nonmuscle cytoskeleton. Gunning P, et al. **Cell** 1984 Mar;36(3):709–15

A variant form of beta–actin in a mutant of KB cells resistant to cytochalasin B. Toyama S, et al. **Cell** 1984 Jun; 37(2):609–14

Localization of actin–related sequences by in situ hybridization to R–banded human chromosomes. Bernheim A, et al. **Chromosoma** 1984;89(2):163–7

Expression of mRNA for microtubule proteins in the developing nervous system. Ginzburg I, et al. **Cold Spring Harbor Symp Quant Biol** 1983;48 Pt 2:783–90

Transcripts of paternal and maternal actin gene alleles are present in interspecific sea urchin embryo hybrids. Crain WR Jr, et al. **Dev Biol** 1983 Nov;100(1):190–6

Localization of actin messenger RNA during early ascidian development. Jeffery WR, et al. **Dev Biol** 1983 Oct; 99(2):408–17

Preferential expression of actin genes during oogenesis of Drosophila. Ruddell A, et al. **Dev Biol** 1984 Sep; 105(1):115–20

Differential expression of the actin gene family of Strongylocentrotus purpuratus. Shott RJ, et al. **Dev Biol** 1984 Feb;101(2):295–306

The genes coding for the muscle contractile proteins, myosin heavy chain, myosin light chain 2, and skeletal muscle actin are located on three different mouse chromosomes. Czosnek H, et al. **EMBO J** 1982;1(11):1299–305

The genes coding for the cardiac muscle actin, the skeletal muscle actin and the cytoplasmic beta–actin are located on three different mouse chromosomes. Czosnek H, et al. **EMBO J** 1983;2(11):1977–9

The genes coding for the cytoskeletal proteins actin and

vimentin in warm-blooded vertebrates. Dodemont HJ, et al. **EMBO J** 1982;1(2):167-71

A simple method to transfer, integrate and study expression of foreign genes, such as chicken ovalbumin and alpha-actin in plant tumors. Koncz C, et al. **EMBO J** 1984 May;3(5):1029-37

Developmentally regulated expression of chimeric genes containing muscle actin DNA sequences in transfected myogenic cells. Melloul D, et al. **EMBO J** 1984 May; 3(5):983-90

Structure of two human beta-actin-related processed genes one of which is located next to a simple repetitive sequence. Moos M, et al. **EMBO J** 1983;2(5):757-61

The scattered distribution of actin genes in the mouse and human genomes. Soriano P, et al. **EMBO J** 1982; 1(5):579-83

The duck alpha A globin but not the yeast actin gene is transcribed by a HeLa cell extract. Hörcher R, et al. **Eur J Biochem** 1984 Mar 1;139(2):201-8

Control of tubulin and actin gene expression in Tetrahymena pyriformis during the cell cycle. Zimmerman AM, et al. **FEBS Lett** 1983 Dec 12;164(2):318-21

A mutation in actin associated with neoplastic transformation. Kakunaga T, et al. **Fed Proc** 1984 May 15;43(8):2275-9

Transcription of cloned actin genes of Dictyostelium discoideum in the cell-free system. Takiya S, et al. **J Biochem (Tokyo)** 1984 May;95(5):1367-77

Regulation of protein synthesis in mitogen-activated bovine lymphocytes. Analysis of actin-specific and total mRNA accumulation and utilization. Degen JL, et al. **J Biol Chem** 1983 Oct 25;258(20):12153-62

In vitro transcription of Drosophila actin and 70,000-dalton heat shock protein genes. Nierman WC, et al. **J Biol Chem** 1983 Oct 25;258(20):12618-23

Induction of vascular smooth muscle alpha-isoactin expression in BC3H1 cells. Strauch AR, et al. **J Biol Chem** 1984 Mar 10;259(5):3152-9

Rapid disappearance of translatable actin mRNA during cell differentiation in Naegleria. Sussman DJ, et al. **J Biol Chem** 1984 Jun 10;259(11):7355-60

Stimulation of cytoplasmic actin gene transcription and translation in cultured Drosophila cells by ecdysterone. Vitek MP, et al. **J Biol Chem** 1984 Feb 10;259(3):1738-43

Sea urchin actin gene subtypes. Gene number, linkage and evolution. Lee JJ, et al. **J Mol Biol** 1984 Jan 15; 172(2):149-76

The rna2 mutation of yeast affects the processing of actin mRNA as well as ribosomal protein mRNAs. Teem JL, et al. **MGG** 1983;192(1-2):101-3

Modulation of poly(A)(+)mRNA-metabolizing and transporting systems under special consideration of microtubule protein and actin. Müller WE, et al. **Mol Cell Biochem** 1983;53-54(1-2):197-220 (186 ref.)

Regulation of tubulin and actin mRNA production in rat brain: expression of a new beta-tubulin mRNA with development. Bond JF, et al. **Mol Cell Biol** 1983 Aug; 3(8):1333-42

Three sea urchin actin genes show different patterns of expression: muscle specific, embryo specific, and constitutive. Garcia R, et al. **Mol Cell Biol** 1984 May; 4(5):840-5

alpha-skeletal and alpha-cardiac actin genes are coexpressed in adult human skeletal muscle and heart. Gunning P, et al. **Mol Cell Biol** 1983 Nov;3(11):1985-95

Organization and evolution of the actin gene family in sea urchins. Johnson PJ, et al. **Mol Cell Biol** 1983 Oct; 3(10):1824-33

Human actin genes are single copy for alpha-skeletal and alpha-cardiac actin but multicopy for beta- and gamma-cytoskeletal genes: 3' untranslated regions are isotype specific but are conserved in evolution. Ponte P, et al. **Mol Cell Biol** 1983 Oct;3(10):1783-91

Structure of a human smooth muscle actin gene (aortic type) with a unique intron site. Ueyama H, et al. **Mol Cell Biol** 1984 Jun;4(6):1073-8

The nucleotide sequence of the chick cytoplasmic beta-actin gene. Kost TA, et al. **Nucleic Acids Res** 1983 Dec 10; 11(23):8287-301

Expression of the genes coding for the skeletal muscle and cardiac actions in the heart. Mayer Y, et al. **Nucleic Acids Res** 1984 Jan 25;12(2):1087-100

Evolutionary conservation in the untranslated regions of actin mRNAs: DNA sequence of a human beta-actin cDNA. Ponte P, et al. **Nucleic Acids Res** 1984 Feb 10; 12(3):1687-96

Chromosomal location of the co-expressed human skeletal and cardiac actin genes. Gunning P, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(6):1813-7

Expression and regulation of chicken actin genes introduced into mouse myogenic and nonmyogenic cells. Seiler-Tuyns A, et al. **Proc Natl Acad Sci USA** 1984 May;81(10):2980-4

Construction and genetic characterization of temperature-sensitive mutant alleles of the yeast actin gene. Shortle D, et al. **Proc Natl Acad Sci USA** 1984 Aug; 81(15):4889-93

Expression of mutated actin gene associated with malignant transformation. Hamada H, et al. **Prog Nucleic Acid Res Mol Biol** 1983;29:259-62

IMMUNOLOGY

Auto-antibodies to actin: recent findings. Fagraeus A, et al. **Ann NY Acad Sci** 1983;420:297-301

Monoclonal antibody which recognizes a common antigenic determinant on intermediate filament proteins, actin, and myosin. Franklin RM, et al. **Hybridoma** 1983;2(3):275-85

Antiactin and antitubulin antibodies in canine visceral leishmaniasis. Pateraki E, et al. **Infect Immun** 1983 Nov; 42(2):496-500

Monoclonal antibodies prepared against Dictyostelium actin: characterization and interactions with actin. Simpson PA, et al. **J Cell Biol** 1984 Jul;99(1 Pt 1):287-95

Studies on the antigenic sites of actin: a comparative study of the immunogenic crossreactivity of invertebrate actins. De Couet HG. **J Muscle Res Cell Motil** 1983 Aug; 4(4):405-27

Anti-actin antibodies of IgM and IgG class in chronic liver diseases detected by fluorometric immunoassay. Wiedmann KH, et al. **Liver** 1983 Dec;3(6):369-76

ISOLATION & PURIFICATION

Actin organization in chick embryo fibroblasts after influenza virus infection. I. Isolation and characterization of actin from chick embryo cells. Križanová O, et al. **Acta Virol (Praha)** 1984 May;28(3):177-84

The quantitation of G- and F-actin in cultured cells. Heacock CS, et al. **Anal Biochem** 1983 Nov;135(1):22-36

Actin filament localization in normal and migrating rabbit corneal epithelium. Jester JV, et al. **Curr Eye Res** 1984 Jul;3(7):955-60

Actin filament capping protein from bovine brain. Kilimann MW, et al. **EMBO J** 1982;1(7):889-94

Isolation, characterisation and crystallization of deoxyribonuclease I from bovine and rat parotid gland and its interaction with rabbit skeletal muscle actin. Kreuder V, et al. **Eur J Biochem** 1984 Mar 1;139(2):389-400

Association of rabbit muscle glycolytic enzymes with filamentous actin. A counter-current distribution study at high ionic strength. Westrin H, et al. **Eur J Biochem** 1983 Nov 2;136(2):407-11

Lens actin: purification and localization. Ireland M, et al. **Exp Eye Res** 1983 Oct;37(4):393-408

Actin and actin-associated proteins of rabbit liver cell. Okamoto Y, et al. **J Biochem (Tokyo)** 1983 Sep;94(3):645-53

Isolation and characterization of a 30,000-dalton calcium-sensitive actin cross-linking protein from Dictyostelium discoideum. Fechheimer M, et al. **J Biol Chem** 1984 Apr 10;259(7):4514-20

Separation of non-muscle isoactins in the free form or as profilactin complexes. Segura M, et al. **J Biol Chem** 1984 Mar 25;259(6):3949-54

METABOLISM

Neurofibromatosis tumor and skin cells in culture. II. Structural proteins with special reference to the cytoskeletal and cell surface components. Peltonen J, et al. **Acta Neuropathol (Berl)** 1984;63(4):269-75

The nature of the actin cross-bridge interaction. Holmes KC, et al. **Adv Exp Med Biol** 1984;170:373-84

On the possibility of interaction between neighbouring crossbridges. Tregear RT, et al. **Adv Exp Med Biol** 1984; 170:177-84

Image analysis of the complex of actin-tropomyosin and myosin subfragment 1. Wakabayashi T, et al. **Adv Exp Med Biol** 1984;170:21-8

Angles of fluorescently labelled myosin heads and actin monomers in contracting and rigor stained muscle fiber. Yanagida T. **Adv Exp Med Biol** 1984;170:397-411

Studies on alpha-actinin and vinculin: proteins of the adhesion plaque. Burridge K. **Anat Rec [Suppl]** 1983; 1:51-65

Is the onset of actin histidine methylation under development control in the chick embryo. Cass KA, et al. **Arch Biochem Biophys** 1983 Sep;225(2):731-9

Possible involvement of actin and myosin in Ca2+ transport through the plasma membrane of chromaffin cells. Harish OE, et al. **Biochem Biophys Res Commun** 1984 Mar 15; 119(2):652-6

On the mechanism for inactivation of cytochalasin binding activity associated with F-actin and spectrin-band 4.1-actin complex by sulfhydryl reagents. Lin DC, et al. **Biochem Biophys Res Commun** 1984 Jul 18;122(1):244-51

Regulation of the cellular actin levels in response to changes in the cell density in ataxia telangiectasia lymphoblastoid cells. McKinnon PJ, et al. **Biochem Biophys Res Commun** 1984 Mar 15;119(2):561-6

The tightly bound divalent cation regulates actin polymerization. Selden LA, et al. **Biochem Biophys Res Commun** 1983 Oct 31;116(2):478-85

Effect of Ca2+ on conformation of actin in the F-actin--heavy meromyosin complex. Borovikov YS, et al. **Biochem Int** 1983 Sep;7(3):319-28

Modification of the interactions of myosin with actin and 5'-adenylyl imidodiphosphate by substitution of ethylene glycol for water. Marston SB, et al. **Biochem J** 1984 Jan 1;217(1):169-77

Oxygen-exchange reactions of actomyosin subfragment-1. Sleep J. **Biochem Soc Trans** 1983 Apr;11(2):152

Fluorescence of fluorescein attached to myosin SH1 distinguishes the rigor state from the actin-myosin-nucleotide state. Ando T. **Biochemistry** 1984 Jan 17;23(2):375-81

Nucleotide in monomeric actin regulates the reactivity of the thiol groups. Faulstich H, et al. **Biochemistry** 1984 Apr 10;23(8):1608-12

Polymerization of actin and actin-like systems: evaluation of the time course of polymerization in relation to the mechanism. Frieden C, et al. **Biochemistry** 1983 Dec 6; 22(25):5836-43

Bound-cation exchange affects the lag phase in actin polymerization. Gershman LC, et al. **Biochemistry** 1984 May 8;23(10):2199-203

Stoichiometry of covalent actin-subfragment 1 complexes formed on reaction with a zero-length cross-linking compound. Heaphy S, et al. **Biochemistry** 1984 May 8; 23(10):2211-4

Brevin and vitamin D binding protein: comparison of the effects of two serum proteins on actin assembly and disassembly. Lees A, et al. **Biochemistry** 1984 Jun 19; 23(13):3038-47

The rate-limiting step in the actomyosin adenosinetriphosphatase cycle. Stein LA, et al. **Biochemistry** 1984 Mar 27;23(7):1555-63

Actin-actin and actin-deoxyribonuclease I contact sites in the actin sequence. Sutoh K. **Biochemistry** 1984 Apr 24; 23(9):1942-6

Effect of villin on the kinetics of actin polymerization. Walsh TP, et al. **Biochemistry** 1984 Jun 5;23(12):2613-21

The interaction of hemin with skeletal muscle actin. Avissar N, et al. **Biochim Biophys Acta** 1984 May 17;786(3):179-87

Actin monomer conformation under polymerizing conditions studied by proton nuclear magnetic resonance and circular dichroism spectroscopy. Barden JA, et al. **Biochim Biophys Acta** 1983 Oct 28;748(2):230-5

The competition between adenosine triphosphate and inorganic pyrophosphate for myosin and its suppression by substoichiometric actin concentrations. Dancker P. **Biochim Biophys Acta** 1983 Dec 28;749(3):296-301

A re-investigation of actin monomer conformation under polymerizing conditions based on rates of enzymatic digestion and ultraviolet difference spectroscopy. Fisher AJ, et al. **Biochim Biophys Acta** 1983 Oct 28;748(2):220-9

Effect of cAMP-elevating drugs on Ca2+ efflux and actin polymerization in peritoneal macrophages stimulated with N-formyl chemotactic peptide. Hamachi T, et al. **Biochim Biophys Acta** 1984 Jun 19;804(2):230-6

Actin polymerization induced by pulsed electric stimulation of bone cells in vitro. Laub F, et al. **Biochim Biophys Acta** 1984 Apr 16;803(4):308-13

Concentration of F-actin in synaptic formations of the hippocampus as visualized by staining with fluorescent phalloidin. Drenckhahn D, et al. **Brain Res** 1984 May 23; 300(2):381-4

Modification of actin with 2-(N-methylanilino)naphthalene-6-sulfonyl chloride. Burtnick LD, et al. **Can J Biochem Cell Biol** 1984 Apr; 62(4):191-5

Chicken gizzard tropomyosin: head-to-tail assembly and interaction with F-actin and troponin. Sanders C, et al. **Can J Biochem Cell Biol** 1984 Jun;62(6):443-8

Actin cytoskeletal organization loss in the benign-to-malignant tumor transition in cultured human colonic epithelial cells. Friedman E, et al. **Cancer Res** 1984 Jul;44(7):3040-50

Direct measurement of critical concentrations and assembly rate constants at the two ends of an actin filament. Bonder EM, et al. **Cell** 1983 Sep;34(2):491-501

The microvillus 110K cytoskeletal protein is an integral membrane protein. Glenney JR Jr, et al. **Cell** 1984 Jul; 37(3):743-51

Actin binding proteins of the brush border. Mooseker MS. **Cell** 1983 Nov;35(1):11-3 (19 ref.)

Doxorubicin affects actin assembly in vitro. Colombo R, et al. **Cell Biol Int Rep** 1984 Feb;8(2):127-35

Lectin-induced actin polymerization in human lymphocytes: a possible signal for mitogenesis. Rao KM. **Cell Immunol** 1984 Jan;83(1):181-8

F-actin aggregates may activate transformed cell surfaces. Carley WW, et al. **Cell Motil** 1983;3(5-6):383-90

Actin-mediated surface motility during sea urchin fertilization. Cline CA, et al. **Cell Motil** 1983;3(5-6):513-24

The dynamic interrelationships of actin and vinculin in cultured cells. Schlessinger J, et al. **Cell Motil** 1983; 3(5-6):399-403

Actin and RNA are components of the chromatoid bodies in spermatids of the rat. Walt H, et al. **Cell Tissue Res** 1984;236(2):487-90

Myosin and actin from ascidian smooth muscle and their interaction. Obinata T, et al. **Comp Biochem Physiol [B]** 1983;76(3):437-42

Isolation of actin-binding protein and villin from toad oocytes. Corwin HL, et al. **Dev Biol** 1983 Sep;99(1):61-74

Assembly-disassembly of actin bundles in starfish oocytes: an analysis of actin-associated proteins in the isolated cortex. Otto JJ, et al. **Dev Biol** 1984 Feb;101(2):263-73

Identity of p36K phosphorylated upon Rous sarcoma virus transformation with a protein purified from brush borders; calcium-dependent binding to non-erythroid spectrin and F-actin. Gerke V, et al. **EMBO J** 1984 Jan;3(1):227-33

Differential response of three types of actin filament bundles to depletion of cellular ATP levels. Sanger JW, et al. **Eur J Cell Biol** 1983 Sep;31(2):197-204

Actin polymerization and synthesis in cultured neurones. Clark SE, et al. **Exp Cell Res** 1983 Sep;147(2):303-14

Calorimetric studies on monomeric and polymeric actin. Fausnaugh JL, et al. **Experientia** 1984 Jan 15;40(1):83-4

'Cap 90', a 90-kDa Ca2+-dependent F-actin-capping protein from vertebrate brain. Isenberg G, et al. **FEBS Lett** 1983 Nov 14;163(2):225-9

Binding of actin to chromaffin granules and mitochondrial fractions of adrenal medulla. Kao LS, et al. **FEBS Lett** 1984 Jul 23;173(1):119-23

Evidence for phosphorylation of actin by the insulin receptor-associated protein kinase from human placenta. Machicao F, et al. **FEBS Lett** 1983 Oct 31;163(1):76-80

Chemical modification of Cys-374 of actin interferes with the formation of the profilactin complex. Malm B. **FEBS Lett** 1984 Aug 6;173(2):399-402

Spectrin and protein 4.1 as an actin filament capping complex. Pinder JC, et al. **FEBS Lett** 1984 Apr 24;169(2):161-4

The rate constant for ATP hydrolysis by polymerized actin. Pollard TD, et al. **FEBS Lett** 1984 May 7;170(1):94-8

Orientation of skeletal muscle actin in strong magnetic fields. Torbet J, et al. **FEBS Lett** 1984 Aug 6;173(2):403-6

Similar affinities of ADP and ATP for G-actin at physiological salt concentrations. Wanger M, et al. **FEBS Lett** 1983 Oct 3;162(1):112-6

Degradation of actin and vimentin by calpain II, a Ca2+-dependent cysteine proteinase, in bovine lens. Yoshida H, et al. **FEBS Lett** 1984 May 21;170(2):259-62

Analogs of viroidin. Synthesis of four virotoxin-like F-actin binding heptapeptides with one less hydroxyl group in the dihydroxy-proline ring. Kahl JU, et al. **Int J Pept Protein Res** 1984 May;23(5):543-50

Regulation of microtubule and actin filament assembly--disassembly by associated small and large molecules. Hill TL, et al. **Int Rev Cytol** 1983;84:185-234 (47 ref.)

Effect of tryptic digestion of myosin subfragment-1 on its binding to F-actin. Furukawa K, et al. **J Biochem (Tokyo)** 1984 May;95(5):1343-8

Phosphorylation of myosin light chain modulates the in vitro movement of fibrils composed of actin and myosin filaments from skeletal muscle. Higashi-Fujime S. **J Biochem (Tokyo)** 1983 Nov;94(5):1539-45

An inhibitor of lipoxygenase, nordihydroguaiaretic acid, shortens actin filaments. Hirata M, et al. **J Biochem (Tokyo)** 1984 Mar;95(3):891-4

Binding of F-actin to a region between SH1 and SH2 groups of myosin subfragment-1 which may determine the high affinity of acto-subfragment-1 complex at rigor. Katoh T, et al. **J Biochem (Tokyo)** 1984 Feb;95(2):447-54

Electron microscopic determination of the actin filament end at which cytochalasin B blocks monomer addition using the acrosomal actin bundle from horseshoe crab sperm. Mabuchi I. **J Biochem (Tokyo)** 1983 Oct;94(4):1349-52

Purification and partial characterization of a new protein in porcine brain which bundles actin filaments. Maekawa S, et al. **J Biochem (Tokyo)** 1983 Oct;94(4):1329-37

The regulation of actin polymerization by the 88K protein/actin complex and cytochalasin B. Nishida E, et al. **J Biochem (Tokyo)** 1983 Nov;94(5):1671-83

Interaction of alkali light chain 1 with actin: effect of ionic strength on the cross-linking of alkali light chain 1 with actin. Yamamoto K, et al. **J Biochem (Tokyo)** 1983 Dec; 94(6):2075-8

Muscle beta-actinin inhibits elongation of the pointed end of the actin filaments of brush border microvilli. Yokota E, et al. **J Biochem (Tokyo)** 1983 Dec;94(6):1897-900

Evidence that F-actin can hydrolyze ATP independent of monomer-polymer end interactions. Brenner SL, et al. **J Biol Chem** 1984 Feb 10;259(3):1441-6

Actin-gelsolin interactions. Evidence for two actin-binding sites. Bryan J, et al. **J Biol Chem** 1984 Jun 25;259(12):7480-7

Steady state length distribution of F-actin under controlled fragmentation and mechanism of length redistribution following fragmentation. Carlier MF, et al. **J Biol Chem** 1984 Aug 25;259(16):9987-91

Evidence for an ATP cap at the ends of actin filaments and its regulation of the F-actin steady state. Carlier MF, et al. **J Biol Chem** 1984 Aug 25;259(16):9983-6

Cooperative binding to the Ca2+-specific sites of troponin C in regulated actin and actomyosin. Grabarek Z, et al. **J Biol Chem** 1983 Dec 10;258(23):14098-102

Effects of Ca2+ and Mg2+ on the actin-activated ATP hydrolysis by phosphorylated heavy meromyosin from arterial smooth muscle. Kaminski EA, et al. **J Biol Chem** 1984 Jul 25;259(14):9104-8

Rate constants for actin polymerization in ATP determined using cross-linked actin trimers as nuclei. Lal AA, et al. **J Biol Chem** 1984 Jul 25;259(14):8794-800

Induction of nonpolymerizable tropomyosin binding to F-actin by troponin and its components. Mak AS, et al. **J Biol Chem** 1983 Dec 10;258(23):14330-4

Ca2+-dependent actin-binding phosphoprotein in Physarum polycephalum. Subunit b is a DNase I-binding and F-actin capping protein. Maruta H, et al. **J Biol Chem** 1984 Apr 25;259(8):5208-13

Distinctions between mechanisms of cytochalasin D activity for Mg2+- and K+-induced actin assembly. Mozo-Villarías A, et al. **J Biol Chem** 1984 May 10; 259(9):5549-54

The critical concentration of actin in the presence of ATP increases with the number concentration of filaments and approaches the critical concentration of actin.ADP. Pantaloni D, et al. **J Biol Chem** 1984 May 25; 259(10):6274-83

Modification of Lys-237 on actin by 2,4-pentanedione.

Alteration of the interaction of actin with tropomyosin. El-Saleh SC, et al. **J Biol Chem** 1984 Sep 10; 259(17):11014-21

The binding of smooth muscle myosin light chain kinase and phosphatases to actin and myosin. Sellers JR, et al. **J Biol Chem** 1984 Jun 25;259(12):7740-6

Kinetics of the interaction between actin, ADP, and cardiac myosin-S1. Siemankowski RF, et al. **J Biol Chem** 1984 Apr 25;259(8):5045-53

Microcalorimetric measurement of the enthalpy of binding of rabbit skeletal myosin subfragment 1 and heavy meromyosin to F-actin. Smith SJ, et al. **J Biol Chem** 1984 Aug 25;259(16):10303-8

Activation of actin-activated ATPase in smooth muscle by phosphorylation of myosin light chain with protease-activated kinase I. Tuazon PT, et al. **J Biol Chem** 1984 Jan 10;259(1):541-6

Phalloidin enhances actin assembly by preventing monomer dissociation. Coluccio LM, et al. **J Cell Biol** 1984 Aug; 99(2):529-35

Under physiological conditions actin disassembles slowly from the nonpreferred end of an actin filament. Coluccio LM, et al. **J Cell Biol** 1983 Nov;97(5 Pt 1):1629-34

Membrane-associated actin in the rhabdomeral microvilli of crayfish photoreceptors. de Couet HG, et al. **J Cell Biol** 1984 Mar;98(3):834-46

Ca2+-dependent binding of severin to actin: a one-to-one complex is formed. Giffard RG, et al. **J Cell Biol** 1984 May;98(5):1796-803

Subcellular distribution of rhodamine-actin microinjected into living fibroblastic cells. Glacy SD. **J Cell Biol** 1983 Oct;97(4):1207-13

A membrane cytoskeleton from Dictyostelium discoideum. III. Plasma membrane fragments bind predominantly to the sides of actin filaments. Goodloe-Holland CM, et al. **J Cell Biol** 1984 Jul;99(1 Pt 1):71-8

A 45,000-mol-wt protein-actin complex from unfertilized sea urchin egg affects assembly properties of actin. Hosoya H, et al. **J Cell Biol** 1984 Sep;99(3):994-1001

Chemotactic peptide modulation of actin assembly and locomotion in neutrophils. Howard TH, et al. **J Cell Biol** 1984 Apr;98(4):1265-71

A membrane cytoskeleton from Dictyostelium discoideum. II. Integral proteins mediate the binding of plasma membranes to F-actin affinity beads. Luna EJ, et al. **J Cell Biol** 1984 Jul;99(1 Pt 1):58-70

An actin-depolymerizing protein (depactin) from starfish oocytes: properties and interaction with actin. Mabuchi I. **J Cell Biol** 1983 Nov;97(5 Pt 1):1612-21

Actin-membrane interaction in fibroblasts: what proteins are involved in this association? Mangeat P, et al. **J Cell Biol** 1984 Jul;99(1 Pt 2):95s-103s (78 ref.)

Interaction of rat liver lysosomal membranes with actin. Mehrabian M, et al. **J Cell Biol** 1984 Aug;99(2):680-5

Mechanism of regulation of actin polymerization by Physarum profilin. Ozaki K, et al. **J Cell Biol** 1984 Jun; 98(6):1919-25

Studies on the spectrin-like protein from the intestinal brush border, TW 260/240, and characterization of its interaction with the cytoskeleton and actin. Pearl M, et al. **J Cell Biol** 1984 Jan;98(1):66-78

Interaction of actin filaments with microtubules. Pollard TD, et al. **J Cell Biol** 1984 Jul;99(1 Pt 2):33s-37s

Polymerization of ADP-actin. Pollard TD. **J Cell Biol** 1984 Sep;99(3):769-77

A tumor promoter induces rapid and coordinated reorganization of actin and vinculin in cultured cells. Schliwa M, et al. **J Cell Biol** 1984 Sep;99(3):1045-59

Isolation and characterization of a high molecular weight actin-binding protein from Physarum polycephalum plasmodia. Sutoh K, et al. **J Cell Biol** 1984 May; 98(5):1611-8

Bidirectional polymerization of G-actin on the human erythrocyte membrane. Tsukita S, et al. **J Cell Biol** 1984 Mar;98(3):1102-10

A 45,000-mol-wt protein from unfertilized sea urchin eggs severs actin filaments in a calcium-dependent manner and increases the steady-state concentration of nonfilamentous actin. Wang LL, et al. **J Cell Biol** 1984 Sep;99(3):844-51

Regulation of contractile proteins by phosphorylation. Adelstein RS. **J Clin Invest** 1983 Dec;72(6):1863-6

Changes in actin distribution during fertilization of the mouse egg. Maro B, et al. **J Embryol Exp Morphol** 1984 Jun; 81:211-37

Actin in peripheral rat lung: S1 labeling and structural changes induced by cytochalasin. Tsilibary EC, et al. **J Histochem Cytochem** 1983 Nov;31(11):1289-97

Treadmilling of actin. Neuhaus JM, et al. **J Muscle Res Cell Motil** 1983 Oct;4(5):507-27 (68 ref.)

Chromaffin granule membrane-F-actin interactions and spectrin-like protein of subcellular organelles: a possible relationship. Aunis D, et al. **J Neurochem** 1984 Jun; 42(6):1558-69

Effects of calcium antagonists and vasodilators on arterial myosin phosphorylation and actin-myosin interactions. Silver PJ, et al. **J Pharmacol Exp Ther** 1984 Jul; 230(1):141-8

The organization of actin filaments in human placental villi. King BF. **J Ultrastruct Res** 1983 Dec;85(3):320-8

The organization of actin filaments in the brush border of yolk sac epithelial cells. King BF. **J Ultrastruct Res** 1983 Dec;85(3):329-37

Relationship between maximum active stress and contractile protein contents in the chronically obstructed ureter. Yamaguchi O, et al. **J Urol** 1984 Oct;132(4):809-13

Gel models for cell motility [news] Harris H. **Nature** 1984 Apr 26-May 2;308(5962):772

Linkage between surface immunoglobulin and cytoskeleton of B lymphocytes may involve Gc protein. Petrini M, et al. **Nature** 1983 Nov 3-9;306(5938):73-4

The in vitro phosphorylation of actin from rat cerebral cortex. Dunkley PR, et al. **Neurochem Res** 1983 Jul; 8(7):865-71

Serotonin binds specifically and saturably to an actin-like protein isolated from rat brain synaptosomes. Small DH, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(3):959-63

Calmodulin-binding proteins that interact with actin filaments in a Ca2+-dependent flip-flop manner: survey in brain and secretory tissues. Sobue K, et al. **Proc Natl Acad Sci USA** 1983 Nov;80(22):6868-71

alpha-Cardiac actin is the major sarcomeric isoform expressed in embryonic avian skeletal muscle. Paterson BM, et al. **Science** 1984 Jun 29;224(4656):1436-8

[Interaction of acetylcholine and tubocurarine with protein molecules of the actin complex and phosphatidylcholine] Egiazarova AR, et al. **Biofizika** 1983 Jul-Aug;28(4):625-8 (Eng. Abstr.) **(Rus)**

[High sensitivity to Ca2 ions of the conformational changes of F-actin, induced by the myosin 1 subfragment] Borovikov IuS, et al. **Biokhimiia** 1984 May;49(5):767-71 (Eng. Abstr.) **(Rus)**

[Reduction in F-actin viscosity by a brain protein complex] Verkhovskii AB, et al. **Dokl Akad Nauk SSSR** 1983; 273(4):1001-5 **(Rus)**

[Structural changes in the contractile proteins of muscle fiber studied by polarization ultraviolet fluorescence microscopy. VII. The effect of Ca2+ on the nature of the conformational changes in F-actin induced by the binding of heavy meromyosin] Borovikov IuS, et al. **Tsitologiia** 1984 Apr;26(4):432-7 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Modulation of the actin-activated adenosinetriphosphatase activity of myosin by tropomyosin from vascular and gizzard smooth muscles. Yamaguchi M, et al. **Biochemistry** 1984 Feb 14;23(4):774-9

Comparison of the properties of two kinds of preparations of human blood platelet actin with sarcomeric actin. Coué M, et al. **Biochimie** 1982 Mar;64(3):219-26

A bovine seminal plasma inhibitor of actin-stimulated myosin adenosine triphosphatase. Tamblyn TM. **Biol Reprod** 1983 Oct;29(3):725-32

Changes in actin-related gelation of crude cell extracts during differentiation of myeloid leukemia cells. Nagata K, et al. **Cell Struct Funct** 1983 Jun;8(2):171-83

The effects of phalloidin on actin gel-sol transformation. Koteliansky VE, et al. **FEBS Lett** 1983 Mar 21;153(2):311-4

[Activation of phosphorylase kinase from rabbit muscle by actin and calmodulin] Silonova GV, et al. **Biokhimiia** 1984 Jan;49(1):127-35 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Actin filaments in the ameloblast of the rat incisor. Nishikawa S, et al. **Anat Rec** 1983 Oct;207(2):245-52

The organization of actin filaments in human polymorphonuclear leukocytes. Ryder MI, et al. **Anat Rec** 1984 May;209(1):7-20

Regulation of muscle phosphorylase kinase by actin and calmodulin. Livanova NB, et al. **Biochem Int** 1983 Jul; 7(1):95-105

Brevin, a serum protein that acts on the barbed end of actin filaments. Wilkins JA, et al. **Cell Biol Int Rep** 1983 Dec; 7(12):1097-1104

Actin-membrane interaction. 2nd International Conference on Biological Structure. April 10-13, 1983, University of North Carolina, Chapel Hill. **Cell Motil** 1983;3(5-6):1-725

Calcium regulation of the actin-mediated cytoskeletal transformation of sea urchin coelomocytes. Henson JH, et al. **Cell Motil** 1983;3(5-6):525-34

Movement of myosin-coated structures on actin cables. Sheetz MP, et al. **Cell Motil** 1983;3(5-6):485-9

The geometry of actin filament-membrane associations can modify adhesive strength of the myotendinous junction. Tidball JG. **Cell Motil** 1983;3(5-6):439-47

Actin and myosin from Dictyostelium amoebae. Kuczmarski ER, et al. **Cell Muscle Motil** 1983;4:269-316 (213 ref.)

Structural correlates of cellular tumorigenicity and anchorage independence in transformed fibroblasts. Kahn P, et al. **Cytogenet Cell Genet** 1983;36(4):605-11

The variable relation between myosin light-chain phosphorylation and actin-activated ATPase activity in chicken gizzard smooth muscle. Modulation by tropomyosin. Merkel L, et al. **Eur J Biochem** 1984 Feb 1;138(3):429-34

A Ca2+-dependent actin modulator from vertebrate smooth muscle. Hinssen H, et al. **FEBS Lett** 1984 Jan 23;166(1):90-5

Relationship of actin and tubulin distribution to bud growth in wild-type and morphogenetic-mutant Saccharomyces cerevisiae. Adams AE, et al. **J Cell Biol** 1984 Mar; 98(3):934-45

The changes in structural organization of actin in the sea urchin egg cortex in response to hydrostatic pressure. Begg DA, et al. **J Cell Biol** 1983 Dec;97(6):1795-805

A 45,000-mol-wt protein-actin complex from unfertilized sea urchin egg affects assembly properties of actin. Hosoya H, et al. **J Cell Biol** 1984 Sep;99(3):994–1001

Mechanism of concanavalin A-induced anchorage of the major cell surface glycoproteins to the submembrane cytoskeleton in 13762 ascites mammary adenocarcinoma cells. Jung G, et al. **J Cell Biol** 1984 Jan;98(1):179–87

Interconversion of structural and contractile actin gels by insertion of myosin during assembly. Kane RE. **J Cell Biol** 1983 Dec;97(6):1745–52

Structural rearrangements of tubulin and actin during the cell cycle of the yeast Saccharomyces. Kilmartin JV, et al. **J Cell Biol** 1984 Mar;98(3):922–33

Studies on conformation of F-actin in muscle fibers in the relaxed state, rigor, and during contraction using fluorescent phalloidin. Prochniewicz-Nakayama E, et al. **J Cell Biol** 1983 Dec;97(6):1663–7

Location of actin, myosin, and microtubular structures during directed locomotion of Dictyostelium amebae. Rubino S, et al. **J Cell Biol** 1984 Feb;98(2):382–90

Contribution of actin to the structure of the cytoplasmic matrix. Stossel TP. **J Cell Biol** 1984 Jul;99(1 Pt 2):15s–21s (120 ref.)

Distribution of F-actin during cleavage of the Drosophila syncytial blastoderm. Warn RM, et al. **J Cell Biol** 1984 Jan;98(1):156–62

Induction of chondrogenesis in limb mesenchymal cultures by disruption of the actin cytoskeleton. Zanetti NC, et al. **J Cell Biol** 1984 Jul;99(1 Pt 1):115–23

Regulation and drug insensitivity of F-actin association with adhesion areas of transformed cells. Carley WW, et al. **J Cell Physiol** 1983 Nov;117(2):257–65

Actin and secretion of surfactant. Tsilibary EC, et al. **J Histochem Cytochem** 1983 Nov;31(11):1298–304

Motion of myosin filaments due to interaction of the two-headed myosin crossbridge with two actin filaments. Sydorenko NP. **J Muscle Res Cell Motil** 1984 Apr; 5(2):117–29

Occurrence of actinlike microfilaments in the outer root sheath cells of the hair follicle: a possible role of a cytoskeleton. Sugiyama S, et al. **J Ultrastruct Res** 1983 Nov;85(2):219–27

Gelsolin inhibition of fast axonal transport indicates a requirement for actin microfilaments. Brady ST, et al. **Nature** 1984 Jul 5–11;310(5972):56–8

Induction of human vascular endothelial stress fibres by fluid shear stress. Franke RP, et al. **Nature** 1984 Feb 16–22; 307(5952):648–9

Cross-bridge interaction with oppositely polarized actin filaments in double-overlap zones of insect flight muscle. Trombitás K, et al. **Nature** 1984 May 10–16; 309(5964):168–70

Direct observation of motion of single F-actin filaments in the presence of myosin. Yanagida T, et al. **Nature** 1984 Jan 5–11;307(5946):58–60

Polymerization of actin: mechanism of the Mg2+-induced process at pH 8 and 20 degrees C. Frieden C. **Proc Natl Acad Sci USA** 1983 Nov;80(21):6513–7

Actin activity is high in the immunocompetent fraction of thymocytes. Miyasaka M, et al. **Thymus** 1984;6(1–2):57–65

Actin–myosin interaction: the role of myosin in determining the actin pattern in self-assembled 'hybrid' contractile units. Hayashi T, et al. **Tissue Cell** 1983;15(6):955–63

[Effects of pH and ATP on the cytoplasm of Amoeba proteus: relation between cytoplasm motility and actin polymerization] Paulin-Levasseur M, et al. **Eur J Cell Biol** 1984 Jan;33(1):29–36 (Eng. Abstr.) **(Fre)**

[The role of actin alteration in the neoplastic transformation] Kakunaga T. **Gan To Kagaku Ryoho** 1984 Mar;11(3 Pt 2):629–37 (Eng. Abstr.) **(Jpn)**

[Morphogenesis of the epithelium and the role of actins] Kodama R, et al. **Tanpakushitsu Kakusan Koso** 1983 Apr; 28(5):713–22 (64 ref.) **(Jpn)**

[Regulatory functions of actin in the cell] Poglazov BF. **Izv Akad Nauk SSSR [Biol]** 1983 Sep–Oct;(5):667–77 (Eng. Abstr.) **(Rus)**

ACTION POTENTIALS

Comparison of slow response action potentials from normal and hypertrophied myocardium. Hemwall EL, et al. **Am J Physiol** 1984 May;246(5 Pt 2):H675–82

The frequency response function and sinusoidal threshold properties of the Hodgkin-Huxley model of action potential encoding. French AS. **Biol Cybern** 1984; 49(3):169–74

Propagation through electrically coupled cells. Effects of a resistive barrier. Joyner RW, et al. **Biophys J** 1984 May; 45(5):1017–25

The conducted action potential. Models and comparison to experiments. Walton MK, et al. **Biophys J** 1983 Oct; 44(1):9–26

Developmental time courses of Na and Ca spikes in neuroblastoma X glioma hybrid cells. Furuya K, et al. **Brain Res** 1983 Dec;313(2):229–34

Hyperpolarization following long-lasting tetanic activation of hippocampal pyramidal cells. Gustafsson B, et al. **Brain Res** 1983 Sep 19;275(1):159–63

Repetitive activity alters spike initiation locus and conduction velocity in Aplysia axons. Mooney R, et al. **Brain Res** 1984 Apr 9;297(1):196–9

Propagation through electrically coupled cells. Effects of regional changes in membrane properties. Joyner RW, et al. **Circ Res** 1983 Oct;53(4):526–34

Dependence of the linear model for the nerve compound action potential on the single fibre action potential waveform. Contento G, et al. **Clin Phys Physiol Meas** 1983 Nov;4(4):417–33

Experimental electrophysiologic recordings. Interpretation of the compound action potential. Publicover N, et al. **Clin Plast Surg** 1984 Jan;11(1):39–45 (22 ref.)

Clinical electrophysiologic peripheral nerve recordings. Terzis JK, et al. **Clin Plast Surg** 1984 Jan;11(1):47–52 (23 ref.)

Detection of extracellular action potentials in noise for the control of microelectrode advancement. Scobey RP. **Comput Programs Biomed** 1983 Aug–Oct;17(1–2):3–9

A technique for the detection, decomposition and analysis of the EMG signal. Mambrito B, et al. **Electroencephalogr Clin Neurophysiol** 1984 Aug; 58(2):175–88

Qualitative study of the motor unit structure influence on action potential shape. Coatrieux JL. **Electromyogr Clin Neurophysiol** 1984 May;24(4):267–83

Mathematical analysis of the changes in the intracellular potentials, generated by a human skeletal muscle fibre in the recovery cycle at the different temperatures. Stephanova DI. **Electromyogr Clin Neurophysiol** 1984 Jan–Feb;24(1–2):107–15

Complex action potential waveform recorded from supraoptic and paraventricular neurones of the rat: evidence for sodium and calcium spike components at different membrane sites. Mason WT, et al. **Exp Brain Res** 1984;56(1):135–43

Frontal hemispheric differences in the Bereitschaftspotential associated with writing and drawing. Schreiber H, et al. **Hum Neurobiol** 1983;2(3):197–202

Algorithm for calculating theoretical probabilities of patterns generated by sequential inequality testing. Marczynski GT. **Int J Biomed Comput** 1983 Nov;14(6):463–86

Na and Ca channels in a transformed line of anterior pituitary cells. Matteson DR, et al. **J Gen Physiol** 1984 Mar; 83(3):371–94

The diagnostic significance of large action potentials in myopathy. Nakashima K, et al. **J Neurol Sci** 1983 Oct; 61(2):161–70

What is the meaningful measure of neuronal spike train activity? Sherry CJ, et al. **J Neurosci Methods** 1984 Mar; 10(3):205–13

Distribution of action potential durations in the canine left ventricle. Sekiya S, et al. **Jpn Heart J** 1984 Mar; 25(2):181–94

Measurement of the maximum rate of rise of the cardiac action potential Vmax. McGillivray RM, et al. **Med Biol Eng Comput** 1984 May;22(3):275–6

Optical recording of action potentials from vertebrate nerve terminals using potentiometric probes provides evidence for sodium and calcium components. Salzberg BM, et al. **Nature** 1983 Nov 3–9;306(5938):36–40

Simultaneous use of CO2 laser with continuous monitoring of eighth cranial nerve action potential during acoustic neuroma surgery. Silverstein H, et al. **Otolaryngol Head Neck Surg** 1984 Feb;92(1):80–4

A model of neuronal bursting using three coupled first order differential equations. Hindmarsh JL, et al. **Proc R Soc Lond [Biol]** 1984 Mar 22;221(1222):87–102

[Areas of low-threshold motor units in the m. extensor digitorum communis—study using concentric needle electrodes] Böhle A, et al. **EEG EMG** 1984 Mar;15(1):52–5 (Eng. Abstr.) **(Ger)**

[Dependence of c-wave and fast oscillation of corneo-retinal potential on stimulus amplitude und adaptation level] Täumer R, et al. **Fortschr Ophthalmol** 1983;80(2):130–3 (Eng. Abstr.) **(Ger)**

[Study of the development of cardiac function by the optical analysis of the action potentials] Kamino K, et al. **Nippon Seirigaku Zasshi** 1983 May;45(5):231–44 (44 ref.) **(Jpn)**

[Neurotrophic control of the mechanism of action potential generation in frog muscle fibers] Volkov EM, et al. **Fiziol Zh SSSR** 1983 Aug;69(8):1037–44 (Eng. Abstr.) **(Rus)**

[Theoretical analysis of the spike activity of a neuron with an N-shape stationary volt-ampere characteristic of the dendritic membrane] Butrimas PO, et al. **Neirofiziologiia** 1983;15(4):404–11 (Eng. Abstr.) **(Rus)**

[Electrical connection between 2 bursting neurons in Helix pomatia] Kononenko NI. **Neirofiziologiia** 1983; 15(4):399–403 (Eng. Abstr.) **(Rus)**

[Modeling adaptation of the membranes of the nodes of Ranvier of a nerve fiber to the action of a steady current as a result of sodium channel inactivation] Krylov BV. **Neirofiziologiia** 1983;15(5):535–9 (Eng. Abstr.) **(Rus)**

[Characteristics of post-spike and lateral inhibition in neurons of the primary auditory cortex in the cat] Serkov FN, et al. **Neirofiziologiia** 1984;16(2):194–201 (Eng. Abstr.) **(Rus)**

[Use of an amplitude-frequency spectrum to separate multi-spike signals] Chirkov VD, et al. **Zh Vyssh Nerv Deiat** 1984 May–Jun;34(3):578–80 **(Rus)**

[Localization of trigger zones on branches of an axon of an identified Helix pomatia neuron] Palikhova TA. **Zh Vyssh Nerv Deiat** 1984 Mar–Apr;34(2):375–7 **(Rus)**

[Localization of chlorine barrier by transepithelial transient electric potentials in rana skin] Skorka A, et al. **Acta Physiol Lat Am** 1983;33(4):315–26 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Importance of physico-chemical properties in determining the kinetics of the effects of Class I antiarrhythmic drugs on maximum rate of depolarization in guinea-pig ventricle. Campbell TJ. **Br J Pharmacol** 1983 Sep;80(1):33–40

Lithium ions increase action potential duration of mammalian neurons. Mayer ML, et al. **Brain Res** 1984 Feb 13; 293(1):173–7

Brain extract induces the tetrodotoxin-sensitive action potentials in a rat skeletal muscle cell line (L6). Yamazaki S, et al. **Brain Res** 1984 Apr;315(2):251–6

The interaction of cycle length with the electrophysiological effect of lidocaine, tocainide and verapamil on canine Purkinje fibers. Kinnaird AA, et al. **Eur J Pharmacol** 1984 Mar 16;99(1):63–71

Acetylcholine-induced back-firing in the preganglionic trunk of the rat superior cervical ganglion. Prigioni I, et al. **J Auton Nerv Syst** 1984 Mar;10(1):19–25

Effects of l-carnitine on action potential of canine papillary muscle during hypoxic perfusion. Hayashi H, et al. **J Electrocardiol** 1984 Jan;17(1):85–9

Ionic currents in two strains of rat anterior pituitary tumor cells. Dubinsky JM, et al. **J Gen Physiol** 1984 Mar; 83(3):309–39

Excitation-contraction coupling in cardiac Purkinje fibers. Effects of caffeine on the intracellular [Ca2+] transient, membrane currents, and contraction. Hess P, et al. **J Gen Physiol** 1984 Mar;83(3):417–33

Excitation-contraction coupling in cardiac Purkinje fibers. Effects of cardiotonic steroids on the intracellular [Ca2+] transient, membrane potential, and contraction. Wier WG, et al. **J Gen Physiol** 1984 Mar;83(3):395–415

Glycyl glutamine, an inhibitory neuropeptide derived from beta-endorphin. Parish DC, et al. **Nature** 1983 Nov 17–23; 306(5940):267–70

Effects of beta-adrenoceptor blocking agents of N-tertiary butyl derivatives on maximum upstroke velocity of action potential in guinea-pig papillary muscles. Sada H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1983 Sep; 324(1):50–7

Dynorphin reduces calcium-dependent action potential duration by decreasing voltage-dependent calcium conductance. Werz MA, et al. **Neurosci Lett** 1984 May 4;46(2):185–90

Action of tetrodotoxin and verapamil on cardiac Purkinje fiber action potentials in a sodium-free, calcium-rich medium. Posner P, et al. **Pharmacology** 1983;27(4):185–91

[Plasticity of the electroexcitable membrane of a neuron after blocking with calmodulin] Tsitolovskii LE. **Zh Vyssh Nerv Deiat** 1984 Jan–Feb;34(1):163–5 **(Rus)**

ACTIVATION ANALYSIS

[Reactor neutron activation analysis for aluminium in the presence of phosphorus and silicon. Contributions of 28Al activities from 31P(n, alpha) 28Al and 28Si(n, p) 28Al reactions] Mizumoto Y, et al. **Radioisotopes** 1984 Jan; 33(1):8–14 (Eng. Abstr.) **(Jpn)**

INSTRUMENTATION

Evaluation of an in vivo prompt gamma neutron activation facility for body composition studies in critically ill intensive care patients: results on 41 normals. Beddoe AH, et al. **Metabolism** 1984 Mar;33(3):270–80

A prompt gamma in vivo neutron activation analysis facility for measurement of total body nitrogen in the critically ill. Beddoe AH, et al. **Phys Med Biol** 1984 Apr;29(4):371–83

METHODS

New approaches to the neutron activation analysis in biomedical sciences. Rakovič M. **Acta Univ Carol [Med Monogr] (Praha)** 1980;95:1–112

Multi-element analysis of the obese subject by in vivo neutron activation analysis. Siwek RA, et al. **Phys Med Biol** 1984 Jun;29(6):687–701

Determination of trace elements in human whole blood by instrumental neutron activation analysis. Lin SM. **Radioisotopes** 1983 Apr;32(4):155–62

[Determination of the trace element content of human nails by neutron activation analysis] Kinova L, et al. **Eksp Med Morfol** 1984;23(1):42–6 (Eng. Abstr.) **(Bul)**

ACTIVATOR APPLIANCES see under **ORTHODONTIC APPLIANCES, REMOVABLE**

ACTIVE SITE see **BINDING SITES**

ACTIVE TRANSPORT see **BIOLOGICAL TRANSPORT, ACTIVE**

ACTIVITIES OF DAILY LIVING

So you are going on a patient/home evaluation. Lyles M. **Am Correct Ther J** 1983 Jul–Aug;37(4):116–8

An attempt to define purposeful activity. Breines E. **Am J Occup Ther** 1984 Aug;38(8):543–4

Denial: implications of a pilot study on activity level related

to sexual competence in burned adults. Cooper-Fraps C, et al. **Am J Occup Ther** 1984 Aug;38(8):529–34
Effects of selected activities on affective meaning in psychiatric patients. Kremer ER, et al.
Am J Occup Ther 1984 Aug;38(8):522–8
Telephone Call Aid for problems of visual sequencing. Ores L, et al. **Am J Occup Ther** 1984 Jan;38(1):40–3
Health status of survivors of out-of-hospital cardiac arrest six months later. Bergner L, et al. **Am J Public Health** 1984 May;74(5):508–10
A prospective study of functional status among community elders. Branch LG, et al. **Am J Public Health** 1984 Mar; 74(3):266–8
Functional benefits following coronary artery bypass graft surgery. Stanton BA, et al. **Ann Thorac Surg** 1984 Apr; 37(4):286–90
Acquisition, generalization and maintenance of grocery shopping skills by severely mentally retarded adolescents. Aeschleman SR, et al. **Appl Res Ment Retard** 1984; 5(2):245–58
Development of morning self-care routines in multiply handicapped persons. Jarman PH, et al.
Appl Res Ment Retard 1983;4(2):113–22
Introducing a general prompting and recording system: its effect on client and staff behavior in an institutional ward. Jones AA, et al. **Appl Res Ment Retard** 1984;5(1):125–36
Teaching coin equivalences via matching to sample. McDonagh EC, et al. **Appl Res Ment Retard** 1984; 5(2):177–97
What should the child with epilepsy be allowed to do? O'Donohoe NV. **Arch Dis Child** 1983 Nov;58(11):934–7
Independent living outcomes in spinal cord injury: multivariate analyses. DeJong G, et al.
Arch Phys Med Rehabil 1984 Feb;65(2):66–73
Treatment effectiveness in cerebral palsy. Goldkamp O.
Arch Phys Med Rehabil 1984 May;65(5):232–4
Stroke rehabilitation: correlation and prognostic value of computerized tomography and sequential functional assessments. Hertanu JS, et al. **Arch Phys Med Rehabil** 1984 Sep;65(9):505–8
Functional assessment measures in medical rehabilitation: current status. Keith RA. **Arch Phys Med Rehabil** 1984 Feb;65(2):74–8
Assessment of patient satisfaction in activities of daily living using a modified Stanford Health Assessment Questionnaire. Pincus T, et al. **Arthritis Rheum** 1983 Nov; 26(11):1346–53
How my teaching about the management of stroke would change after my own. Howell TH.
Br Med J [Clin Res] 1984 Jul 7;289(6436):35–7
The Karnofsky Performance Status Scale. An examination of its reliability and validity in a research setting. Mor V, et al. **Cancer** 1984 May 1;53(9):2002–7
Problems of rheumatoid arthritis and ankylosing spondylitis patients in their labor and life environments. Urbánek T, et al. **Czech Med** 1984;7(2):78–89
Exercises to promote independent living in older patients. Lönnerblad L. **Geriatrics** 1984 Feb;39(2):93–101
The patient with myocardial infarction: rest prescriptions for activities of daily living. Alteri CA. **Heart Lung** 1984 Jul; 13(4):355–60
Follow-up of cardiac pacemaker recipients: a pilot study. Pierson MA, et al. **Heart Lung** 1984 Jul;13(4):431–5
Activity pattern changes with decreases in food energy intake. Gorsky RD, et al. **Hum Biol** 1983 Sep;55(3):577–86
The influence of age on the clinical presentation and outcome of stroke. Andrews K, et al. **Int Rehabil Med** 1984; 6(2):49–53
Relationship between habitual physical activity and serum lipoprotein levels in white male adolescents. Durant RH, et al. **J Adolesc Health Care** 1983 Dec;4(4):235–40
An evaluation of the reliability and validity of the Functional Assessment Inventory. Cairl RE, et al.
J Am Geriatr Soc 1983 Oct;31(10):607–12
Productive behavior: assessment, determinants, and effects. Kahn RL. **J Am Geriatr Soc** 1983 Dec;31(12):750–7
Assessing self-maintenance: activities of daily living, mobility, and instrumental activities of daily living. Katz S. **J Am Geriatr Soc** 1983 Dec;31(12):721–7 (85 ref.)
Medical care for elderly patients with diminished competence: an ethical analysis. McCullough LB.
J Am Geriatr Soc 1984 Feb;32(2):150–3
Mental status tests and the capacity for self-care. Winograd CH. **J Am Geriatr Soc** 1984 Jan;32(1):49–55
An institutional staff training and self-management program for developing multiple self-care skills in severely/profoundly retarded individuals. Kissel RC, et al. **J Appl Behav Anal** 1983 Winter;16(4):395–415
Predicting activity and satisfaction following cataract surgery. Donderi DC, et al. **J Behav Med** 1983 Sep; 6(3):313–28
Karnofsky performance status revisited: reliability, validity, and guidelines. Schag CC, et al. **J Clin Oncol** 1984 Mar; 2(3):187–93
Longitudinal changes in functional capacity among surviving old people continuously resident in hospitals and homes. Donaldson LJ. **J Epidemiol Community Health** 1984 Sep; 38(3):240–6
Factors influencing the nighttime activity of old persons in their community. Golant SM. **J Gerontol** 1984 Jul; 39(4):485–91
Development of indicator scales for the Comprehensive Assessment and Referral Evaluation (CARE) interview schedule. Golden RR, et al. **J Gerontol** 1984 Mar; 39(2):138–46
The SHORT-CARE: an efficient instrument for the assessment of depression, dementia and disability. Gurland B, et al. **J Gerontol** 1984 Mar;39(2):166–9
The CARE interview revisited: development of an efficient, systematic clinical assessment. Gurland BJ, et al.
J Gerontol 1984 Mar;39(2):129–37
Work ethic, daily activities, and retirement satisfaction. Hooker K, et al. **J Gerontol** 1984 Jul;39(4):478–84
Concurrent and predictive validity of indicator scales developed for the Comprehensive Assessment and Referral Evaluation interview schedule. Teresi JA, et al.
J Gerontol 1984 Mar;39(2):158–65
Construct validity of indicator-scales developed from the Comprehensive Assessment and Referral Evaluation interview schedule. Teresi JA, et al. **J Gerontol** 1984 Mar; 39(2):147–57
Measurement of the global and functional dimensions of health status in the elderly. Wolinsky FD, et al.
J Gerontol 1984 Jan;39(1):88–92
Preschool children's daily activities: direct observation, pedometry or questionnaire. Nishikido N, et al.
J Hum Ergol (Tokyo) 1982 Dec;11(2):214–8
A permanent night work system in the electronics industry. Saito Y. **J Hum Ergol (Tokyo)** 1982;11 Suppl:399–407
Location-and-time budget in working consecutive night shifts. Sakai K, et al. **J Hum Ergol (Tokyo)** 1982;11 Suppl:417–28
Nursing diagnoses concurrent with multiple sclerosis. Gould MT. **J Neurosurg Nurs** 1983 Dec;15(6):339–45
Blindness in leprosy: a report on evaluation and physical rehabilitation methods. Prem Kumar R. **Lepr Rev** 1984 Mar; 55(1):11–18
Pedestrian skills training for mentally retarded adults: comparison of training in two settings. Marchetti AG, et al. **Ment Retard** 1983 Jun;21(3):107–10
Teaching menu planning and grocery shopping skills to a mentally retarded mother. Sarber RE, et al.
Ment Retard 1983 Jun;21(3):101–6
Active life expectancy. Katz S, et al. **N Engl J Med** 1983 Nov 17;309(20):1218–24
Pain measurement and pain behavior. Fordyce WE, et al. **Pain** 1984 Jan;18(1):53–69
Relationship between a pulmonary function test (FEV1) and the ADAPT quality-of-life scale. Daughton D, et al.
Percept Mot Skills 1983 Oct;57(2):359–62
Physical abilities after head injury. A retrospective study. Talmage EW, et al. **Phys Ther** 1983 Dec;63(12):2010–7
Functional capabilities of lower limb amputees. Narang IC, et al. **Prosthet Orthot Int** 1984 Apr;8(1):43–51
A field evaluation of arm prostheses for unilateral amputees. van Lunteren A, et al. **Prosthet Orthot Int** 1983 Dec; 7(3):141–51
Programmed generalization of dress efficiency across settings for a severely disturbed, autistic child. Fantuzzo JW, et al. **Psychol Rep** 1983 Dec;53(3 Pt 1):871–9
Factors related to the early phase of rehabilitation following aortocoronary bypass surgery. O'Connor AM.
Res Nurs Health 1983 Sep;6(3):107–16
Coping with chronic illness. Part I. Locomotor disability. Jacka E, et al. **S Afr Med J** 1984 May 26;65(21):850–3
Functional studies in 79-year-olds. I. Performance in hygiene activities. Lundgren-Lindquist B, et al.
Scand J Rehabil Med 1983;15(3):109–15
Functional studies in 79-year-olds. II. Upper extremity function. Lundgren-Lindquist B, et al.
Scand J Rehabil Med 1983;15(3):117–23
A maximised-ADL index of functional status for stroke patients. Methodological considerations. McClatchie G, et al. **Scand J Rehabil Med** 1983;15(4):155–63
Sick-role and attitude towards disease and working life two months after a myocardial infarction. Wiklund I, et al.
Scand J Rehabil Med 1984;16(2):57–64
Results of prolonged rehabilitation of cerebral palsy in Singapore. Tan ES. **Singapore Med J** 1984 Feb;25(1):48–51
Parents teach self help at home. Patterson I.
Spec Educ Forward Trends 1984 Jun;11(2):25–6
Measuring physical and psychosocial function in patients with low-back pain. Deyo RA, et al. **Spine** 1983 Sep; 8(6):635–42
[Comparison of the results of a comprehensive evaluation of the health status of persons 60 to 74 years of age and over 75 years of age] Zaremba V. **Cesk Zdrav** 1984 Mar; 32(3):97–101 (Eng. Abstr.) **(Cze)**
[Evaluation of the rehabilitation of geriatric amputees] Cohen E, et al. **Harefuah** 1983 Jul;105(1–2):9–11 (Eng. Abstr.) **(Heb)**
[Thoracic drainage method for relaxation of limitations on daily activities of patients with empyema] Iwanami H, et al. **Kyobu Geka** 1983;36(7):550–1 **(Jpn)**
[Management of micturitional disturbance in the patients with Shy-Drager syndrome. Part 1. Relation to the activity of daily living] Yasuda K, et al.
Nippon Hinyokika Gakkai Zasshi 1983 Oct;74(10):1837–43 (Eng. Abstr.) **(Jpn)**
[Helping the aged patients in daily activities] Ujiie S, et al.
Nippon Rinsho 1983 Oct;41(10):2248–56 **(Jpn)**
[Correlation between serum dopamine beta-hydroxylase activity and ADL in the aged] Honda E, et al.
Nippon Ronen Igakkai Zasshi 1983 Sep;20(5):361–70 (Eng. Abstr.) **(Jpn)**
[Recovery of activity of daily living in cases of cerebral infarction] Yoneyama K. **Nippon Ronen Igakkai Zasshi** 1983 Nov;20(6):476–84 (Eng. Abstr.) **(Jpn)**
[The investigations on the effect of daily activity on the uterine contraction during pregnancy] Araki R.
Nippon Sanka Fujinka Gakkai Zasshi 1984 Apr; 36(4):589–98 (Eng. Abstr.) **(Jpn)**
[Functional disability and hand deformity in rheumatoid arthritis] Morisawa S. **Ryumachi** 1984 Feb;24(1):18–24 (Eng. Abstr.) **(Jpn)**
[How does chronic disease influence the everyday life of the patient?] Valen-Sendstad D, et al.
Tidsskr Nor Laegeforen 1983 Sep 10;103(25):1746–8 (Eng. Abstr.) **(Nor)**
[Social contacts and extracurricular activities of patients with chronic schizophrenia working in sheltered workshops] Gawrońska B, et al. **Psychiatr Pol** 1983 Mar-Apr; 17(2):125–30 (Eng. Abstr.) **(Pol)**

ACTIVITY CYCLES see under **CIRCADIAN RHYTHM**

ACTOMYOSIN

The importance of changes in ATP and ADP concentrations in the development of the phasic superprecipitation of actomyosin. Csabina S, et al.
Acta Biochim Biophys Acad Sci Hung 1983;18(3–4):231–6

ANALYSIS

Step-like superprecipitation of actomyosin. Szöör A, et al.
Acta Physiol Hung 1983;62(2):139–44

ISOLATION & PURIFICATION

Studies on rat parotid-cell actomyosin. Kealey T, et al.
Biochem J 1984 May 15;220(1):291–9
[Isolation of actomyosin from a skeletal muscle tumor of low differentiation] Matveev VV. **Tsitologiia** 1984 Apr; 26(4):444–9 (Eng. Abstr.) **(Rus)**
[Actomyosin preparations obtained from a skeletal muscle tumor of low differentiation using the traditional methods of muscle biochemistry] Matveev VV. **Tsitologiia** 1984 Apr; 26(4):438–43 (Eng. Abstr.) **(Rus)**

METABOLISM

Effect of antibodies to light meromyosin on glycerinated muscle fibres and on actomyosin adenosinetriphosphatases. Szöör A, et al. **Acta Physiol Hung** 1983;61(1–2):69–75
An actomyosin motor. Shimizu H. **Adv Exp Med Biol** 1984; 170:429–36
Effects of food deprivation and refeeding on total protein and actomyosin degradation. Li JB, et al. **Am J Physiol** 1984 Jan;246(1 Pt 1):E32–7
Mechanism of action of hydralazine on vascular smooth muscle. Jacobs M. **Biochem Pharmacol** 1984 Sep 15; 33(18):2915–9
Correlations between structural and chemical states of cross-bridges in muscle. Goody RS. **Biochem Soc Trans** 1983 Apr;11(2):150–1
Oxygen-exchange studies on the pathways for magnesium adenosine 5'-triphosphate hydrolysis by actomyosin. Shukla KK, et al. **Biochemistry** 1983 Sep 27;22(20):4822–30
The rate-limiting step in the actomyosin adenosinetriphosphatase cycle. Stein LA, et al.
Biochemistry 1984 Mar 27;23(7):1555–63
Enhancement of actomyosin ATPase activity by tropomyosin. Recombination of myosin and tropomyosin between muscles and platelet. Nosaka S, et al.
Biochim Biophys Acta 1984 Aug 14;788(3):290–7
pH lability of myosin ATPase activity permits discrimination of different muscle fibre types in crustaceans. Maier L, et al. **Histochemistry** 1984;81(1):75–7
Cooperative binding to the Ca2+-specific sites of troponin C in regulated actin and actomyosin. Grabarek Z, et al.
J Biol Chem 1983 Dec 10;258(23):14098–102
X-ray evidence for two structural states of the actomyosin cross-bridge in muscle fibers. Matsuda T, et al.
Proc Natl Acad Sci USA 1984 Apr;81(8):2364–8
[Modification of the affinity of actomyosin calcium sites by anions] Brulé G, et al. **Arch Int Physiol Biochim** 1983 Sep; 91(3):165–77 (Eng. Abstr.) **(Fre)**
[Structural-functional alterations in contractile proteins in athyreotic dystrophy of the myocardium] Karsanov NV, et al. **Biofizika** 1983 Sep-Oct;28(5):748–51 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Evidence for actomyosin conformational changes involved in tension generation. Highsmith S, et al.
Cell Muscle Motil 1983;4:207–37 (117 ref.)
Contractile and structural reactions to impediments of Ca2+-homeostasis in Physarum polycephalum.
Wohlfarth-Bottermann KE, et al. **Cell Struct Funct** 1983 Sep;8(3):255–65
[Reconstitution of chemomechanical coupling systems from actomyosin in skeletal muscles] Yano M, et al.
Tanpakushitsu Kakusan Koso 1983 Apr;28(5):360–8 **(Jpn)**

ACTUARIAL ANALYSIS

Comparability ratios by age: based on deaths of Metropolitan

policyholders. Bale GS, et al. **Am J Public Health** 1984 Jan;74(1):71-3

Actuarial analysis of the risk of undergoing repeat cardiac valve replacement. Rutledge R, et al. **Am J Surg** 1984 Sep; 148(3):357-61

The uses and abuses of life-table methods in vascular surgery. Underwood CJ, et al. **Br J Surg** 1984 Jul;71(7):495-8

Prediction of start of contractions in labor induced with oral prostaglandin E2 or oxytocin: a life table analysis approach. Nilsson B, et al. **Int J Gynaecol Obstet** 1984 Apr; 22(2):145-50

Use of the life table to eliminate from the active record Hansen's disease patients out of control and of unknown whereabouts: a six-year experience using this method in the state of Rio Grande do Sul. Ferreira J, et al. **Int J Lepr** 1984 Mar;52(1):66-73

Life table methods for assessing the dynamics of U.S. nursing home utilization: 1976-1977. Manton KG, et al. **J Gerontol** 1984 Jan;39(1):79-87

Relapse in affective disorders: a reanalysis of the literature using life table methods. Lavori PW, et al. **J Psychiatr Res** 1984;18(1):13-25

[A supplementary analysis to a follow-up data] Hu KZ. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1984 Apr; 5(2):111-6 (Eng. Abstr.) **(Chi)**

[A statistical method for assessing the relationship between dust exposure and dust-related diseases] Zhang ZH. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1984 Jan;18(1):7-9 (Eng. Abstr.) **(Chi)**

[Actuarial curves] Sauaia N. **Arq Bras Cardiol** 1984 Feb; 42(2):83-93 **(Por)**

METHODS

Statistical analysis of survival data. Crowley J, et al. **Annu Rev Public Health** 1984;5:385-411 (81 ref.)

The application of a modified follow-up life table technique to the study of outpatient clinic services for sickle-cell patients. Oyejide OC, et al. **Int J Epidemiol** 1984 Mar; 13(1):107-11

ACUPUNCTURE

Studies on the turnover of acetylcholine in the brain of rats during the course of acupuncture analgesia. Guan XM, et al. **Acta Acad Med Wuhan** 1983;3(3):129-36

The First International Conference on Acupuncture and Chronic Pain. September 27th-October 1st, 1983, New York, New York. Abstracts. **Acupunct Electrother Res** 1983;8(3-4):303-45

Electroacupuncture and its effect on rat hepatic functions. Chakrabarti AK, et al. **Acupunct Electrother Res** 1983; 8(2):111-26

Acupuncture--a therapeutic concept in the treatment of painful conditions and functional disorders. Report on 971 cases. Fischer MV, et al. **Acupunct Electrother Res** 1984; 9(1):11-29

Activity of opioid peptidergic system in acupuncture analgesia. He LF, et al. **Acupunct Electrother Res** 1983; 8(3-4):257-66

Acupuncture for treatment of chronic back pain in the horse. Klide AM. **Acupunct Electrother Res** 1984;9(1):57-70

The relationship between needling sensation and acupuncture effects, with special reference to their ascending pathway in the spinal cord. Li SC, et al. **Acupunct Electrother Res** 1983;8(2):105-10

Segmental acupuncture therapy. Macdonald AJ. **Acupunct Electrother Res** 1983;8(3-4):267-82

Non-invasive circulatory evaluation and electro-acupuncture & TES treatment of diseases difficult to treat in Western medicine. Omura Y. **Acupunct Electrother Res** 1983;8(3-4):177-256

Acupuncture-induced changes in human plasma insulin level. Szczudlik A, et al. **Acupunct Electrother Res** 1984;9(1):1-9

Plasma immunoreactive beta-endorphin and enkephalin concentration in healthy subjects before and after electroacupuncture. Szczudlik A, et al. **Acupunct Electrother Res** 1983;8(2):127-37

Acupuncture and bronchial asthma. Christensen PA, et al **Allergy** 1984 Jul;39(5):379-85

Acupuncture and rehabilitation (II) study in cases of snapping finger. Arichi S, et al. **Am J Chin Med** 1983;11(1-4):143-5

Acupuncture and rehabilitation (I) effect of acupuncture on normal side to snapping finger. Arichi S, et al. **Am J Chin Med** 1983;11(1-4):137-42

Acupuncture and rehabilitation (III) effects of acupuncture applied to the normal side on osteoarthritis deformans and rheumatoid arthritis of the knee and on disorders in motility of the knee joint after cerebral hemorrhage and thrombosis. Arichi S, et al. **Am J Chin Med** 1983;11(1-4):146-9

Influence of naloxone on the analgesic effects of small-sized fibres. Chan LS, et al. **Am J Chin Med** 1983;11(1-4):159-60

Further investigation on the hypothesis of meridian-cortex-viscera interrelationship. Chang HC, et al. **Am J Chin Med** 1983;11(1-4):5-13

Effect of acupuncture on disorders of musculoskeletal system in Nigerians. Ene EE, et al. **Am J Chin Med** 1983; 11(1-4):106-11

Electrical skin resistance changes in meridians during ophthalmic surgery with local anesthesia. Ogata H, et al. **Am J Chin Med** 1983;11(1-4):130-6

Changes in the electrical skin resistance on meridians during gastric surgery under general anesthesia. Ogata H, et al. **Am J Chin Med** 1983;11(1-4):123-9

The three heaters as the link between man and universe. Piers AD. **Am J Chin Med** 1983;11(1-4):54-61

The treatment of Meniere's disease by acupuncture. Steinberger A, et al. **Am J Chin Med** 1983;11(1-4):102-5

Recent developments in clinical acupuncture. Tsuei JJ. **Am J Chin Med** 1983;11(1-4):150-8 (50 ref.)

Effective treatment for smoking cessation. Choy DS, et al. **Am J Med** 1983 Dec;75(6):1033-6

Characteristics of afferent fiber innervation on acupuncture points zusanli. Lu GW. **Am J Physiol** 1983 Oct; 245(4):R606-12

Smoking cessation with behaviour therapy of acupuncture--a controlled study. Cottraux JA, et al. **Behav Res Ther** 1983; 21(4):417-24

Lumbar epidural injections in the treatment of sciatica. Klenerman L, et al. **Br J Rheumatol** 1984 Feb;23(1):35-8

Acupuncture [letter] **Br Med J [Clin Res]** 1984 Jun 30; 288(6435):1999

Can we assess the effects of acupuncture? [editorial] Lewith GT. **Br Med J [Clin Res]** 1984 May 19;288(6429):1475-6

Effects of acupuncture anesthesia on the pituitary gland. Umino M, et al. **Bull Tokyo Med Dent Univ** 1984 Jun; 31(2):93-8

20 years' acupuncture in 461 acute appendicitis cases. Fan YK, et al. **Chin Med J [Engl]** 1983 Jul;96(7):491-4

Electro-acupuncture anesthesia in pituitary adenoma extirpation. Gao LD, et al. **Chin Med J [Engl]** 1983 Jun; 96(6):469-74

Acupuncture point D'arsonval electrotherapy and faradization in 42 cases of spasmodic torticollis. Li JY. **Chin Med J [Engl]** 1983 Aug;96(8):591-3

Acupuncture: panacea or placebo? Mishra DN, et al. **J Assoc Physicians India** 1983 Jan;31(1):21-3

Effects of naloxone and electroacupuncture treatment on plasma concentrations of LH in sheep. Malven PV, et al. **J Endocrinol** 1984 Apr;101(1):75-80

Role of acupuncture in medicine. Raghunathan CS. **J Indian Med Assoc** 1984 Jan;82(1):35-7

Acupuncture versus medical treatment for migraine and muscle tension headaches. Loh L, et al. **J Neurol Neurosurg Psychiatry** 1984 Apr;47(4):333-7

Acupuncture for migraine reduces bowel activity [letter] Schott GD. **J Neurol Neurosurg Psychiatry** 1984 Mar; 47(3):317

Action of peptidase inhibitors on methionine5-enkephalin-arginine6-phenylalanine7 (YGGFMRF) and methionine5-enkephalin (YGGFM) metabolism and on electroacupuncture antinociception. Chou J, et al. **J Pharmacol Exp Ther** 1984 Aug; 230(2):349-52

How effective is acupuncture in the management of pain? Lewith GT. **J R Coll Gen Pract** 1984 May;34(262):275-8 (34 ref.)

Minilaparotomy under acupuncture analgesia. Dias PL, et al. **J R Soc Med** 1984 Apr;77(4):295-8

Observation of immediate effect of acupuncture on electroencephalograms in epileptic patients. Chen KY, et al. **J Tradit Chin Med** 1983 Jun;3(2):121-4

The effects of electrical acupuncture of Neiguan on the PO2 of the border zone between ischemic and non-ischemic myocardium in dogs. Chen LB, et al. **J Tradit Chin Med** 1983 Jun;3(2):83-8

Preliminary investigation on the effect of acupuncture of Neiguan (P. 6) and Shaofu (H. 8) on cardiac function of idiopathic cardiomyopathy. Chen SX, et al. **J Tradit Chin Med** 1983 Jun;3(2):113-20

Relief of oesophageal carcinomatous obstruction by acupuncture. Feng RZ. **J Tradit Chin Med** 1984 Mar; 4(1):3-4

Studies on propagated sensation along channels. Present status and future prospects. Ji ZP. **J Tradit Chin Med** 1981 Sep;1(1):3-6

Clinical application of the crossing points of eight extra channels. Jiang YJ. **J Tradit Chin Med** 1984 Mar;4(1):77-82

The effect of electroacupuncture on the function of sympatheto-adrenal medulla. Sun SM, et al. **J Tradit Chin Med** 1984 Mar;4(1):11-4

Helium-neon laser irradiation of acupuncture points in treatment of 50 cases of acute appendicitis. Tang H, et al. **J Tradit Chin Med** 1981 Sep;1(1):43-4

Volvulus of the stomach successfully treated with acupuncture report of 9 cases. Wan YG, et al. **J Tradit Chin Med** 1981 Sep;1(1):39-42

The effect of acupuncture in curing the smoking habit, 210 cases. Wu YG. **J Tradit Chin Med** 1981 Sep;1(1):65-6

Treatment of 40 cases of paralysis of common peroneal nerve with acupuncture and moxibustion. Xie LY, et al. **J Tradit Chin Med** 1983 Sep;3(3):233-6

Observation on the effect of acupuncture treatment in 300 cases of primary trigeminal neuralgia. Xu BR, et al. **J Tradit Chin Med** 1981 Sep;1(1):51-2

110 cases of mastosis treated by acupuncture. Yuan S, et al. **J Tradit Chin Med** 1984 Mar;4(1):5-6

Subtotal gastrectomy in dogs under acupuncture anesthesia and related changes in the noradrenergic system. Zhou S, et al. **J Tradit Chin Med** 1983 Dec;3(4):251-8

Acupuncture [letter] **Lancet** 1984 Jun 23;1(8391):1405-6

Acupuncture [letter] **Lancet** 1984 Jul 21;2(8395):174-5

Acupuncture [letter] Fung KP, et al. **Lancet** 1984 Jul 7; 2(8393):45

Acupuncture relief of chronic pain syndrome correlates with increased plasma met-enkephalin concentrations. Kiser RS, et al. **Lancet** 1983 Dec 17;2(8364):1394-6

Acupuncture and the age of unreason. Skrabanek P. **Lancet** 1984 May 26;1(8387):1169-71

Acupuncture and endorphins [letter] Skrabanek P. **Lancet** 1984 Jan 28;1(8370):220

Electric acupuncture stimulates non-parietal cell secretion of the stomach in dog. Zhou L, et al. **Life Sci** 1984 Jun 4;34(23):2233-8

Acupuncture: why we don't use it more often [letter] **Med J Aust** 1983 Nov 12;2(10):475-6

Acupuncture [letter] Mendelson G. **Med J Aust** 1984 Feb 4;140(3):181

Acupuncture: short courses [letter] Schneideman I. **Med J Aust** 1984 Jul 21;141(2):135

Effect of electroacupuncture on synaptosomal (Na+ + K+)-ATPase. Lee DZ, et al. **Neurochem Res** 1984 May; 9(5):669-78

What is being stimulated in acupuncture: evaluation of the existence of a specific substrate. Chan SH. **Neurosci Biobehav Rev** 1984 Spring;8(1):25-33

Acupuncture [letter] Blackmore RJ. **NZ Med J** 1984 Apr 25;97(754):271

Acupuncture [letter] Culpan SJ, et al. **NZ Med J** 1984 Feb 22;97(750):129

Acupuncture [letter] Malloch JA. **NZ Med J** 1983 Nov 9; 96(743 Pt 2):946

Acupuncture: short courses for doctors [letter] Scheiderman I. **NZ Med J** 1984 Jun 27;97(758):419-20

Acupuncture an effective placebo? [letter] Sheppeard H, et al. **NZ Med J** 1984 Jul 25;97(760):499

Dynorphin: important mediator for electroacupuncture analgesia in the spinal cord of the rabbit. Han JS, et al. **Pain** 1984 Apr;18(4):367-76

Acupuncture compared with placebo in post-herpetic pain. Lewith GT, et al. **Pain** 1983 Dec;17(4):361-8

Investigation of the effects of naloxone upon acupuncture analgesia [letter] Oleson TD. **Pain** 1984 Jun;19(2):201-4

Plasma cortisol and beta-endorphin in horses subjected to electro-acupuncture for cutaneous analgesia. Bossut DF, et al. **Peptides (Fayetteville)** 1983 Jul-Aug;4(4):501-7

Method of determining optimal stimulation sites for transcutaneous electrical nerve stimulation. Berlant SR. **Phys Ther** 1984 Jun;64(6):924-8

Regional and lateral specificity of acupuncture-induced action of blood-factor effects inhibiting hindlimb flexor reflexes in the rabbit. Edisen AE, et al. **Physiol Chem Phys** 1983;15(3):189-99

Acupuncture--cultural perspectives. 2. The Eastern view. Steiner RP. **Postgrad Med** 1983 Oct;74(4):71-8

Acupuncture--cultural perspectives. 1. The Western view. Steiner RP. **Postgrad Med** 1983 Oct;74(4):60-7

Acupuncture and group therapy in stopping smoking. Gillams J, et al. **Practitioner** 1984 Mar;228(1389):341-4

In search of a status for acupuncture. le Roux AG, et al. **S Afr Med J** 1984 Jan 7;65(1):19-23

'Mother Needles': lessons on inter-ethnic psychiatry in Malaysian society. Provencher R. **Soc Sci Med** 1984; 18(2):139-46

[Menopausal indices as criteria for the effectiveness of acupuncture treatment of the climacteric syndrome (preliminary report)] Popivanov P. **Vutr Boles** 1983; 22(6):110-3 (Eng. Abstr.) **(Bul)**

[Effect of acupuncture on cerebral blood flow of cats with experimental cerebral ischemia] Jiang DS. **Chung Hsi I Chieh Ho Tsa Chih** 1983 Jul;3(4):238-40 (Eng. Abstr.) **(Chi)**

[Further investigation on the hypothesis of meridian-cortex-viscera interrelationship] Zhang XJ. **Chung Hsi I Chieh Ho Tsa Chih** 1983 Sep;3(5):264-7 (Eng. Abstr.) **(Chi)**

[Effects of dexamethasone and a locus coeruleus lesion on morphine analgesia, electro-acupuncture analgesia and stress analgesia] Di S, et al. **Chung Kuo Yao Li Hsueh Pao** 1983 Sep;4(3):153-6 (Eng. Abstr.) **(Chi)**

[Effects of clenbuterol on electroacupuncture analgesia and morphine analgesia in rats] Su SY, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Jun;5(2):82-4 (Eng. Abstr.) **(Chi)**

[Effect of microinjection of kainic acid into nucleus raphe dorsalis on electro-acupuncture, morphine and stress analgesia] Yu FS, et al. **Chung Kuo Yao Li Hsueh Pao** 1983 Dec;4(4):232-5 (Eng. Abstr.) **(Chi)**

[The role of the mesencephalic gray in acupuncture analgesia] Zhang CC, et al. **Sheng Li Ko Hsueh Chin Chan** 1983 Jul; 14(3):254-7 **(Chi)**

[Personal experience with acupuncture in the treatment of women with long-standing hypogastric pain] Chvála V. **Cesk Gynekol** 1983 Apr;48(3):170-3 (Eng. Abstr.) **(Cze)**

[Acupuncture therapy for chronic tension headache. A controlled cross-over study] Hansen PE, et al. **Ugeskr Laeger** 1984 Feb 27;146(9):649-52 (Eng. Abstr.) **(Dan)**

[Endorphins and acupuncture - an intermediate balance] van Ree JM. **Ned Tijdschr Geneeskd** 1983 Aug 6; 127(32):1437-41 **(Dut)**

[Brief review of the mechanism of action of acupuncture stimulation in its analgesic effect] Bauduin H, et al. **Acta Belg Med Phys** 1983 Jan-Mar;6(1):11-9 (49 ref.) **(Fre)**

[Acupuncture and sciatica in the acute phase. Double-blind

study of 30 cases] Duplan B, et al. **Sem Hop Paris** 1983 Dec 8;59(45):3109–14 (Eng. Abstr.) **(Fre)**

[Alleviation of pain using acupuncture in disorders of the locomotor system] Schnorrenberger CC. **Orthopade** 1984 Jun;13(3):218–25 **(Ger)**

[The effect of standardized acupuncture programs in the after-care of accident patients] Rabl V, et al. **Unfallchirurgie** 1983 Dec;9(6):308–13 (Eng. Abstr.) **(Ger)**

[Testing the effect of acupuncture in accident patients using skin temperature measurements] Rabl V, et al. **Unfallchirurgie** 1983 Dec;9(6):303–7 (Eng. Abstr.) **(Ger)**

[Acupuncture in myofascial pain] Kögel M. **Z Arztl Fortbild (Jena)** 1984;78(6):237–8 **(Ger)**

[Acupuncture in the treatment of rheumatism?] Krötlinger M. **ZFA (Stuttgart)** 1984 Jan 10;60(1):28–30 **(Ger)**

[Acupuncture and adrenergic mechanisms of the autonomous nervous system] Cocchi R. **Minerva Med** 1983 Nov 3; 74(42):2533–6 (Eng. Abstr.) **(Ita)**

[Acupuncture, auriculotherapy and craniopuncture in the treatment of functional amblyopia in children] Ercolani M, et al. **Minerva Med** 1983 Nov 3;74(42):2537–40 (Eng. Abstr.) **(Ita)**

[Acupuncture and....information] Milani L. **Minerva Med** 1983 Nov 3;74(42):2557–8 **(Ita)**

[Duodenal ulcer. Gastroscopic aspects before and after acupuncture treatment] Salvi E, et al. **Minerva Med** 1983 Nov 3;74(42):2541–6 (Eng. Abstr.) **(Ita)**

[Endocrinology and acupuncture] Zicari N, et al. **Minerva Med** 1983 Nov 3;74(42):2513–9 (Eng. Abstr.) **(Ita)**

[Tonic vibration reflex and acupuncture] Homma I. **Rinsho Byori** 1983 Oct;Spec No 57:136–45 **(Jpn)**

[Plasma concentration of immunoreactive beta-endorphin in healthy persons during pinpoint stimulation of receptors (acupuncture)] Szczudlik A, et al. **Neurol Neurochir Pol** 1983 Sep–Oct;17(5):535–40 (Eng. Abstr.) **(Pol)**

[Pain tolerance and the effect of the treatment of headache by pinpoint stimulation of receptors] Zaleska B. **Neurol Neurochir Pol** 1983 Sep–Oct;17(5):541–5 (Eng. Abstr.) **(Pol)**

[Treatment of sciatica by acupuncture] Marks E, et al. **Wiad Lek** 1983 Jul 1;36(13):1061–5 (Eng. Abstr.) **(Pol)**

[Acupuncture in ORL surgical operations] Alexa E. **Rev Chir [Otorinolaringol]** 1983 Oct–Dec;28(4):305–8 (Eng. Abstr.) **(Rum)**

[Acupuncture in the treatment of trigeminal neuralgia and facial nerve paralysis] Crețu G, et al. **Rev Chir [Otorinolaringol]** 1983 Oct–Dec;28(4):309–12 (Eng. Abstr.) **(Rum)**

[Therapeutic results obtained in the ORL section of Piatra Neamț with acupuncture in allergy of the upper respiratory tract] Crețu G, et al. **Rev Chir [Otorinolaringol]** 1983 Oct–Dec;28(4):295–300 (Eng. Abstr.) **(Rum)**

[Acupuncture in neurosensory hypacusis] Hociotă D, et al. **Rev Chir [Otorinolaringol]** 1983 Oct–Dec;28(4):289–94 (Eng. Abstr.) **(Rum)**

[Successes obtained with acupuncture in otorhinolaryngologic pathology] Mincu D. **Rev Chir [Otorinolaringol]** 1983 Oct–Dec;28(4):301–4 (Eng. Abstr.) **(Rum)**

[Effects of acupuncture in various ORL diseases] Popovici D. **Rev Chir [Otorinolaringol]** 1983 Oct–Dec;28(4):313–8 (Eng. Abstr.) **(Rum)**

[Evaluation of electroacupuncture analgesia in an early postoperative period] Oberg OK, et al. **Anesteziol Reanimatol** 1983 Jul–Aug;(4):51–3 (Eng. Abstr.) **(Rus)**

[Dynamics of the functional status of the CNS during reflex analgesia when women become fatigued during labor] Slavutskaia MV, et al. **Anesteziol Reanimatol** 1984 Jan–Feb; (1):61–4 (Eng. Abstr.) **(Rus)**

[Effect of acupuncture analgesia on the state of terminal blood flow during measured constriction of the abdominal portion of the aorta] Tsibuliak VN, et al. **Anesteziol Reanimatol** 1984 Jan–Feb;(1):28–31 (Eng. Abstr.) **(Rus)**

[Role of the somatic monoaminergic systems in the mechanisms of regulation of pain sensitivity during reflex stimulation] Bragin EO, et al. **Biull Eksp Biol Med** 1983 Oct;96(10):9–12 (Eng. Abstr.) **(Rus)**

[Reflexogenic changes in the spontaneous and evoked activity of the parafascicular neurons in the rat thalamus during electroacupuncture stimulation] Durinian RA, et al. **Biull Eksp Biol Med** 1983 Nov;96(11):3–5 (Eng. Abstr.) **(Rus)**

[1st attempt at using acupuncture in heart surgery patients] Kuz'menko VM, et al. **Klin Khir** 1983 Jul;(7):62–3 (Eng. Abstr.) **(Rus)**

[Acupuncture diagnosis of inflammatory diseases of the pancreas and gallbladder] Vinnik IuS, et al. **Klin Khir** 1984 Apr;(4):37–8 (Eng. Abstr.) **(Rus)**

[Role of the second somatosensory area of the cat cerebral cortex in the development of the antinociceptor effect of electroacupuncture] Durinian RA, et al. **Patol Fiziol Eksp Ter** 1984 Jan–Feb;(1):63–6 (Eng. Abstr.) **(Rus)**

[Reflexotherapy in the early stages of hypertension] Monaenkov AM, et al. **Sov Med** 1984;(3):87–9 **(Rus)**

[Dynamics of the elastotonic characteristics of cerebral and peripheral vessels during treatment with reflexotherapy] Monaenkov AM, et al. **Sov Med** 1984;(2):49–52 (Eng. Abstr.) **(Rus)**

[Acupuncture therapy of neuralgia of the trigeminal nerve] Tsunikov AI, et al. **Sov Med** 1983;(9):102–4 **(Rus)**

[Basis for the use of acupuncture reflexotherapy in odontogenic neuralgia of the trigeminal nerve] Grechko VE, et al. **Stomatologiia (Mosk)** 1983 Sep–Oct;62(5):37–9 (Eng. Abstr.) **(Rus)**

[Clinico-physiological aspects of the use of acupuncture and psychotherapy as nonpharmacological factors in the treatment of hypertension] Liusov VA, et al. **Ter Arkh** 1983;55(9):145–8 (56 ref.) **(Rus)**

[Status of the microcirculation of the skin in patients undergoing reflexotherapy for alopecia] Abramov SN, et al. **Vestn Dermatol Venerol** 1984 Jan;(1):60–3 (Eng. Abstr.) **(Rus)**

[Needle reflexotherapy in surgical diseases of the musculoskeletal system of the upper limbs] Mikhallov AN, et al. **Vestn Khir** 1983 Oct;131(10):113 **(Rus)**

[Electroacupuncture and laser puncture in postoperative and post-traumatic contractures in children and adolescents] Plakseichuk IuA. **Vestn Khir** 1983 Oct;131(10):105–7 (Eng. Abstr.) **(Rus)**

[Efficacy of using electropuncture reflexotherapy in the treatment of visual fatigue on the job] Val'kova IV, et al. **Vestn Oftalmol** 1984 Jul–Aug;(4):51–2 (Eng. Abstr.) **(Rus)**

[Role of acupuncture in bronchial asthma in children] Fadeeva MA, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 Nov–Dec; (6):50–2 **(Rus)**

[Acupuncture in treating patients with chronic nonulcerative colitis] Lapshin VP, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Jan–Feb;(1):61–2 **(Rus)**

[Dynamics of the electroencephalogram and rheoencephalogram during reflexotherapy of patients with trigeminal neuralgia] Filina TF, et al. **Zh Nevropatol Psikhiatr** 1984;84(4):519–25 (Eng. Abstr.) **(Rus)**

[Reflexotherapy of neurotic patients with depressive-hypochondriacal manifestations] Kochetkov VD, et al. **Zh Nevropatol Psikhiatr** 1983;83(12):1853–5 (Eng. Abstr.) **(Rus)**

[Acupuncture analgesia (review)] Popovichenko NV, et al. **Zh Nevropatol Psikhiatr** 1984;84(5):774–80 (118 ref.) **(Rus)**

ADVERSE EFFECTS

Bilateral pneumothorax following acupuncture [letter] Schneider LB, et al. **Ann Emerg Med** 1984 Aug;13(8):643

Hypotension following stimulation of acupuncture point Fengchi (G B 20) [letter] Rajanna P. **J R Coll Gen Pract** 1983 Sep;33(254):606–7

[Treatment of an asthmatic crisis by acupuncture. Probable role in the onset of pneumothorax with development to status asthmaticus] Carette MF, et al. **Rev Pneumol Clin** 1984;40(1):69–70 (Eng. Abstr.) **(Fre)**

[A new iatrogenic pathology: pneumothorax after acupuncture] Henneghien C, et al. **Rev Pneumol Clin** 1984; 40(3):197–9 (Eng. Abstr.) **(Fre)**

[Multiple lymphocytoma at the point of puncture as complication of acupuncture treatment. Traumatic origin of lymphocytoma] Bork K. **Hautarzt** 1983 Oct;34(10):496–9 (Eng. Abstr.) **(Ger)**

[Accidental pneumothorax following injections and acupuncture in the thoracic region] Kropp R, et al. **Med Welt** 1983 Oct 14;34(41):1143–4 **(Ger)**

[Complications in acupuncture therapy] Schnorrenberger CC. **ZFA (Stuttgart)** 1983 Sep 10;59(25):1355–9 **(Ger)**

METHODS

Effect of acupuncture on experimentally induced itch. Belgrade MJ, et al. **Acta Derm Venereol (Stockh)** 1984; 64(2):129–33

Synergism between metoclopramide and electroacupuncture analgesia. Xu ZB, et al. **Acupunct Electrother Res** 1983; 8(3–4):283–8

Laser-acupuncture reduces cigarette smoking: a preliminary report. Zalesskiy VN, et al. **Acupunct Electrother Res** 1983; 8(3–4):297–302

Treatment of migraine by acupuncture [letter] Marcus P. **J R Soc Med** 1983 Nov;76(11):983–4

Huatuo Jiaji points for migraine: 70 cases. He SH. **J Tradit Chin Med** 1983 Sep;3(3):231–2

Indications for the application and combined use of acupoints of the 14 major channels. Yang JS. **J Tradit Chin Med** 1983 Sep;3(3):237–44

Effect of electro-acupuncture on the changes in the ECG of acute myocardial ischemic injury in rabbits. Zhang HL, et al. **J Tradit Chin Med** 1983 Dec;3(4):259–64

Plum-blossom needle therapy in concomitant strabismus. A report of 103 cases. Zhong MQ. **J Tradit Chin Med** 1984 Mar;4(1):7–10

Observation on treatment of post-operative anal pain with embedded needle. Zhou YP, et al. **J Tradit Chin Med** 1981 Sep;1(1):45–6

Effect of acupuncture on exercise-induced asthma. Chow OK, et al. **Lung** 1983;161(6):321–6

Treatment of hiccough by acupuncture [letter] Wong SK. **Med J Malaysia** 1983 Mar;38(1):80–1

Acupuncture mechanisms in rabbits studied with microinjection of antibodies against beta-endorphin, enkephalin and substance P. Han JS, et al. **Neuropharmacology** 1984 Jan;23(1):1–5

The impact of patients with nonorganic physical findings on a controlled trial of transcutaneous electrical nerve stimulation and electroacupuncture. Lehmann TR, et al. **Spine** 1983 Sep;8(6):625–34

[Acupuncture and dentistry] Lande M. **Actual Odontostomatol (Paris)** 1983 Sep;143:555–63 (Eng. Abstr.) **(Fre)**

[Treatment of whiplash injuries of the cervical spine with acupuncture] Hertz H, et al. **Aktuel Traumatol** 1983 Aug; 13(4):151–3 (Eng. Abstr.) **(Ger)**

[Use of various forms of acupuncture and therapy with local anesthetics in accident surgery after care] Rabl V, et al. **Unfallheilkunde** 1983 Aug;86(8):370–7 (Eng. Abstr.) **(Ger)**

[The Tae Yang (V) and Tou Mo (VG) meridians as vestiges of embryonic structures. Acupuncture as embryo reflex therapy: a new theory] Milani L. **Minerva Med** 1983 Nov 3;74(42):2547–56 (Eng. Abstr.) **(Ita)**

[Acupuncture in the treatment of blepharospasm] Wielka J, et al. **Klin Oczna** 1983 Aug–Sep;85(8–9):313–5 (Eng. Abstr.) **(Pol)**

[Short-term results of treatment of smoking habit by acupuncture] Frydrychowski A, et al. **Psychiatr Pol** 1984 Jan–Feb;18(1):31–4 (Eng. Abstr.) **(Pol)**

[Effectiveness of laser treatment of arterial hypotension in pregnancy] Didiia TsG, et al. **Akush Ginekol (Mosk)** 1983 Dec;(12):15–7 (Eng. Abstr.) **(Rus)**

[Effects of laser-puncture therapy in threatened abortion on the hormone content of the blood] Dzhvebenava GG, et al. **Akush Ginekol (Mosk)** 1983 Dec;(12):32–3 (Eng. Abstr.) **(Rus)**

[Endotracheal anesthesia with nitrous oxide combined with electroacupuncture in gynecological operations on patients with a high risk of thrombotic complications] Shatkina GV, et al. **Akush Ginekol (Mosk)** 1984 Apr;(4):66–70 (Eng. Abstr.) **(Rus)**

[Electroacupuncture and laseropuncture analgesia in painful contractures of the joints in children] Plakseichuk IuA, et al. **Ortop Travmatol Protez** 1984 Apr;(4):52–3 **(Rus)**

[Laser therapy and laser puncture in rheumatoid arthritis, osteoarthrosis deformans and psoriatic arthropathy] Matulis AA, et al. **Ter Arkh** 1983;55(7):92–7 (Eng. Abstr.) **(Rus)**

[Use of electropuncture for stimulating the accommodation apparatus] Portnov FG, et al. **Vestn Oftalmol** 1983 Nov–Dec;(6):43–5 (Eng. Abstr.) **(Rus)**

[Comparative analysis of the efficacy of different methods of acupuncture in the hyper- and hypokinetic types of circulation in hypertensive patients] Tabeeva DM, et al. **Zh Nevropatol Psikhiatr** 1984;84(1):47–50 (Eng. Abstr.) **(Rus)**

[Treatment of migraine with electropuncture] Vesnina VA, et al. **Zh Nevropatol Psikhiatr** 1983;83(10):1499–503 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

A psychophysical analysis of acupuncture analgesia. Price DD, et al. **Pain** 1984 May;19(1):27–42

VETERINARY

Production of cutaneous analgesia by electroacupuncture in horses: variations dependent on sex of subject and locus of stimulation. Bossut DF, et al. **Am J Vet Res** 1984 Apr; 45(4):620–5

Dowsing for diagnosis and treatment [letter] Craige JE. **J Am Vet Med Assoc** 1983 Aug 15;183(4):388–9

Alternative veterinary medicine [letter] **Vet Rec** 1984 Mar 10;114(10):251

ACUTE DISEASE

Assessing and allocating beds in acute medicine in east London. Vere DW. **Br Med J [Clin Res]** 1983 Sep 17; 287(6395):849–50

Acute illness in infants: a general practice study. Wilson AD, et al. **J R Coll Gen Pract** 1984 Mar;34(260):155–9

[Electrocardiographic findings in hypothermia secondary to acute diseases] del Bosco CG, et al. **Medicina (B Aires)** 1983;43(6 Pt 1):629–38 (Eng. Abstr.) **(Spa)**

BLOOD

The acute phase response: clinical aspects. Highton J. **NZ Med J** 1983 Nov 23;96(744):967–8

CLASSIFICATION

Validation of a physiologic stability index for use in critically ill infants and children. Yeh TS, et al. **Pediatr Res** 1984 May;18(5):445–51

DIAGNOSIS

Symposium on CT and ultrasonography in the acutely ill patient. **Radiol Clin North Am** 1983 Sep;21(3):423–606

NURSING

Models of family-centered care in one acute care institution. Pearlmutter DR, et al. **Nurs Clin North Am** 1984 Mar; 19(1):173–88

RADIOGRAPHY

Symposium on CT and ultrasonography in the acutely ill patient. **Radiol Clin North Am** 1983 Sep;21(3):423–606

ACUTE RESPIRATORY DISEASE VIRUSES see ADENOVIRUSES, HUMAN

ACYCLOGUANOSINE see ACYCLOVIR

ACYCLOVIR

Acyclovir. Based on the Second International Acyclovir Symposium, London, 15–18 May 1983. **J Antimicrob Chemother** 1983 Sep;12 Suppl B:1–202 (447 ref.)

[Acyclovir] Mechl Z, et al. **Cas Lek Cesk** 1984 Jun 1; 123(22):670–3 (Eng. Abstr.) **(Cze)**

ADMINISTRATION & DOSAGE

Oral acyclovir for prevention of herpes simplex virus reactivation after marrow transplantation. Wade JC, et al. **Ann Intern Med** 1984 Jun;100(6):823–8

Penetration of guinea pig skin by acyclovir in different vehicles and correlation with the efficacy of topical therapy of experimental cutaneous herpes simplex virus infection. Spruance SL, et al. **Antimicrob Agents Chemother** 1984 Jan; 25(1):10–5

Efficacy of topical acyclovir cream in first and recurrent episodes of genital herpes. Kinghorn GR, et al. **Antiviral Res** 1983 Dec;3(5–6):291–301

Long term oral acyclovir in disseminated mucocutaneous herpes simplex: a case report. Mindel A. **Br J Vener Dis** 1984 Apr;60(2):125–6

Verrucae vulgares and acyclovir ointment [letter] Hurwitz RM. **Cutis** 1984 Jul;34(1):84, 86

Treatment of primary first-episode genital herpes simplex virus infections with acyclovir: results of topical, intravenous and oral therapy. Corey L, et al. **J Antimicrob Chemother** 1983 Sep;12 Suppl B:79–88 (16 ref.)

Topical acyclovir in the treatment of genital herpes: a comparison with systemic therapy. Fiddian AP, et al. **J Antimicrob Chemother** 1983 Sep;12 Suppl B:67–77 (9 ref.)

Topical acyclovir therapy in patients with recurrent orofacial herpes simplex infections. Van Vloten WA, et al. **J Antimicrob Chemother** 1983 Sep;12 Suppl B:89–93 (23 ref.)

Acyclovir administered perorally in immunocompromised children with varicella-zoster infections. Novelli VM, et al. **J Infect Dis** 1984 Mar;149(3):478

Double-blind placebo-controlled trial of oral acyclovir in first-episode genital herpes simplex virus infection. Mertz GJ, et al. **JAMA** 1984 Sep 7;252(9):1147–51

Treatment of recurrent genital herpes simplex infections with oral acyclovir. A controlled trial. Reichman RC, et al. **JAMA** 1984 Apr 27;251(16):2103–7

Remission of tumor-stage mycosis fungoides following intravenously administered acyclovir. Resnick L, et al. **JAMA** 1984 Mar 23–30;251(12):1571–3

Acyclovir therapy for genital herpes: enthusiasm and caution in equal doses [editorial] Whittington WL, et al. **JAMA** 1984 Apr 27;251(16):2116–7

Oral acyclovir for herpes zoster [letter] Finn R, et al. **Lancet** 1984 Sep 8;2(8402):575

Iontophoretic treatment of oral herpes. Henley-Cohn J, et al. **Laryngoscope** 1984 Jan;94(1):118–21

A double-blind study of oral acyclovir for suppression of recurrences of genital herpes simplex virus infection. Douglas JM, et al. **N Engl J Med** 1984 Jun 14; 310(24):1551–6

Suppression of frequently recurring genital herpes. A placebo-controlled double-blind trial of oral acyclovir. Straus SE, et al. **N Engl J Med** 1984 Jun 14;310(24):1545–50

[Acyclovir treatment in stromal herpetic keratitis] Oosterhuis JA, et al. **Ned Tijdschr Geneeskd** 1983 Oct 15; 127(42):1898–901 (Eng. Abstr.) **(Dut)**

[Acyclovir in the therapy of herpesvirus infections] Osterwalder B, et al. **Schweiz Med Wochenschr** 1984 Jan 7;114(1):14–5 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Acyclovir and neurologic manifestations [letter] Auwerx J, et al. **Ann Intern Med** 1983 Dec;99(6):882–3

Severe but reversible neurotoxicity from acyclovir [letter] Cohen SM, et al. **Ann Intern Med** 1984 Jun;100(6):920

Intravenous acyclovir and neurologic effects [letter] Vartian CV, et al. **Ann Intern Med** 1983 Oct;99(4):568

ANALOGS & DERIVATIVES

A single-tube radioimmunoassay for the antiviral agent 2,6-diamino-9-(2-hydroxyethoxymethyl)purine (A134U). Quinn RP, et al. **Anal Biochem** 1983 Oct 1;134(1):16–25

Efficacy of 2'-nor-2'-deoxyguanosine treatment for orofacial herpes simplex virus type 1 skin infections in mice. Davies ME, et al. **Antimicrob Agents Chemother** 1984 Feb; 25(2):238–41

Enhanced efficacy of the acyclic nucleoside 9-(1,3-dihydroxy-2-propoxymethyl)guanine in combination with beta-interferon against herpes simplex virus type 2 in mice. Fraser-Smith EB, et al. **Antimicrob Agents Chemother** 1984 May;25(5):563–5

Efficacy of the acyclic nucleoside 9-(1,3-dihydroxy-2-propoxymethyl)guanine against primary and recrudescent genital herpes simplex virus type 2 infections in guinea pigs. Fraser-Smith EB, et al. **Antimicrob Agents Chemother** 1983 Dec;24(6):883–7

Effect of 9-(1,3-dihydroxy-2-propoxymethyl)guanine on human cytomegalovirus replication in vitro. Mar EC, et al. **Antimicrob Agents Chemother** 1983 Oct;24(4):518–21

Relative activities of acyclovir and BW759 against Aujeszky's disease and equine rhinopneumonitis viruses. Rollinson EA, et al. **Antimicrob Agents Chemother** 1983 Aug;24(2):221–6

Inhibition of cellular alpha DNA polymerase and herpes simplex virus-induced DNA polymerases by the triphosphate of BW759U. St. Clair MH, et al. **Antimicrob Agents Chemother** 1984 Feb;25(2):191–4

Effects of the nucleoside analog 2'-nor-2'-deoxyguanosine on human cytomegalovirus replication. Tocci MJ, et al. **Antimicrob Agents Chemother** 1984 Feb;25(2):247–52

Antiherpetic activity and mechanism of action of 9-(4-hydroxybutyl)guanine. Larsson A, et al. **Antiviral Res** 1983 Aug;3(2):77–86

Topical treatment of experimental herpes simplex keratouveitis with 2'-O-glycylacyclovir. A water-soluble ester of acyclovir. Maudgal PC, et al. **Arch Ophthalmol** 1984 Jan;102(1):140–2

Experimental ocular herpetic infections in rabbits. Treatment with 9-([2-hydroxy-1-(hydroxymethyl)ethoxy]methyl)guanine. Smith KO, et al. **Arch Ophthalmol** 1984 May;102(5):778–81

Inhibition of the herpes simplex virus-coded thymidine kinase-complex by 9-beta-D-arabinofuranosyladenine 5'-monophosphate (ara-AMP) and 9-(2-hydroxyethoxymethyl)guanine-monophosphate (acyclo-GMP). Labenz J, et al. **Arch Virol** 1984; 81(3–4):205–12

Potent synergistic inhibition of herpes simplex virus-2 by 9-[(1, 3-dihydroxy-2-propoxy)methyl]guanine in combination with recombinant interferons. Eppstein DA, et al. **Biochem Biophys Res Commun** 1984 Apr 16; 120(1):66–73

A comparison of the antiviral agents 2'-nor-2'-deoxyguanosine and acyclovir: uptake and phosphorylation in tissue culture and kinetics of in vitro inhibition of viral and cellular DNA polymerases by their respective triphosphates. Germershausen J, et al. **Biochem Biophys Res Commun** 1983 Oct 31;116(2):360–7

Metabolism of 9-(1,3-dihydroxy-2-propoxymethyl)guanine, a new anti-herpes virus compound, in herpes simplex virus-infected cells. Cheng YC, et al. **J Biol Chem** 1983 Oct 25;258(20):12460–4

Acyclovir triphosphate is a suicide inactivator of the herpes simplex virus DNA polymerase. Furman PA, et al. **J Biol Chem** 1984 Aug 10;259(15):9575–9

Effects of acyclovir and its metabolites on purine nucleoside phosphorylase. Tuttle JV, et al. **J Biol Chem** 1984 Apr 10;259(7):4065–9

A quantitative study of the effects of several nucleoside analogues on established herpes encephalitis in mice. Field HJ, et al. **J Gen Virol** 1984 Apr;65 (Pt 4):707–19

Disposition in the dog and the rat of 2, 6-diamino-9-(2-hydroxyethoxymethyl)purine (A134U), a potential prodrug of acyclovir. Good SS, et al. **J Pharmacol Exp Ther** 1983 Dec;227(3):644–51

Prolonged inhibitory effect of 9-(1,3-dihydroxy-2-propoxymethyl)guanine against replication of Epstein-Barr virus. Lin JC, et al. **J Virol** 1984 Apr;50(1):50–5

Resistance of herpes simplex virus to 9-[[2-hydroxy-1-(hydroxymethyl)ethoxy]methyl]guanine: physical mapping of drug synergism within the viral DNA polymerase locus. Crumpacker CS, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(5):1556–60

6-Deoxyacyclovir: a xanthine oxidase-activated prodrug of acyclovir. Krenitsky TA, et al. **Proc Natl Acad Sci USA** 1984 May;81(10):3209–13

METABOLISM

Phosphorylation of acyclovir in vitro in activated Burkitt somatic cell hybrids. Datta AK, et al. **Antimicrob Agents Chemother** 1983 Jul;24(1):10–4

Neuritic uptake and transport of antiviral drugs modifying herpes simplex virus infection of rat sensory neurons. Svennerholm B, et al. **Arch Virol** 1984;81(3–4):213–22

A comparison of the antiviral agents 2'-nor-2'-deoxyguanosine and acyclovir: uptake and phosphorylation in tissue culture and kinetics of in vitro inhibition of viral and cellular DNA polymerases by their respective triphosphates. Germershausen J, et al. **Biochem Biophys Res Commun** 1983 Oct 31;116(2):360–7

Pharmacokinetics of oral acyclovir (Zovirax) in the eye. Hung SO, et al. **Br J Ophthalmol** 1984 Mar;68(3):192–5

Pharmacokinetics of acyclovir after intravenous and oral administration. de Miranda P, et al. **J Antimicrob Chemother** 1983 Sep;12 Suppl B:29–37 (20 ref.)

PHARMACODYNAMICS

In vivo and in vitro effect of acyclovir on pseudorabies virus, infectious bovine rhinotracheitis virus and pigeon herpesvirus. Thiry E, et al. **Ann Rech Vet** 1983;14(3):239–45

Effect of discontinuous acyclovir treatment on in vitro reactivation of herpes simplex virus from latently infected trigeminal ganglia. Klein RJ, et al. **Antimicrob Agents Chemother** 1983 Jul;24(1):129–31

Identification of small DNA fragments synthesized in herpes simplex virus-infected cells in the presence of acyclovir. McGuirt PV, et al. **Antimicrob Agents Chemother** 1984 Apr; 25(4):507–9

Potentiation of antiviral activity of acyclovir by polyene macrolide antibiotics. Malewicz B, et al. **Antimicrob Agents Chemother** 1984 Jun;25(6):772–4

Synergistic antiviral activity of acyclovir and interferon on human cytomegalovirus. Smith CA, et al. **Antimicrob Agents Chemother** 1983 Sep;24(3):325–32

Characterization of latent infections in mice inoculated with herpes simplex virus which is clinically resistant to acyclovir. Field HJ, et al. **Antiviral Res** 1984 Apr; 4(1–2):43–52

In vitro antiviral effect of 9-(2-hydroxyethoxymethyl) guanine on the fish herpesvirus, Oncorhynchus masou virus (OMV). Kimura T, et al. **Antiviral Res** 1983 Aug; 3(2):93–101

Herpes simplex acyclovir-resistant mutant in experimental keratouveitis. Boisjoly HM, et al. **Arch Ophthalmol** 1983 Nov;101(11):1782–6

Isolation of drug resistant mutants of varicella-zoster virus: cross resistance of acyclovir resistant mutants with phosphonoacetic acid and bromodeoxyuridine. Shiraki K, et al. **Biken J** 1983 Mar;26(1):17–23

Effects of acyclovir and its metabolites on hypoxanthine-guanine phosphoribosyltransferase. Tuttle JV, et al. **Biochem Pharmacol** 1983 Oct 15;32(20):3011–5

Rapid method for determining the susceptibility of herpes simplex virus to acyclovir. Howell CL, et al. **Diagn Microbiol Infect Dis** 1984 Apr;2(2):77–84

Resistance of herpes simplex virus to antiviral agents. Is it clinically important? Crumpacker C. **Drugs** 1983 Nov; 26(5):373–7

The spectrum of antiviral activities of acyclovir in vitro and in vivo. Collins P. **J Antimicrob Chemother** 1983 Sep;12 Suppl B:19–27 (66 ref.)

Virus resistance in clinical practice. Dekker C, et al. **J Antimicrob Chemother** 1983 Sep;12 Suppl B:137–52 (28 ref.)

The biochemistry and mechanism of action of acyclovir. Elion GB. **J Antimicrob Chemother** 1983 Sep;12 Suppl B:9–17 (24 ref.)

A perspective on resistance to acyclovir in herpes simplex virus. Field HJ. **J Antimicrob Chemother** 1983 Sep;12 Suppl B:129–35 (27 ref.)

Evaluation of the acyclovir-induced modulation of the plaque-forming cell response of human peripheral blood lymphocytes. Tauris P, et al. **J Antimicrob Chemother** 1984 Jan;13(1):71–7

Effects of acyclovir and its metabolites on purine nucleoside phosphorylase. Tuttle JV, et al. **J Biol Chem** 1984 Apr 10;259(7):4065–9

Susceptibility to acyclovir of Oka-strain varicella vaccine and vaccine-derived viruses isolated from immunocompromised patients [letter] Shiraki K, et al. **J Infect Dis** 1984 Aug;150(2):306–7

Inhibition by acyclovir of herpes simplex virus type 2 morphologically transformed cell growth in tissue culture and tumor-bearing animals. Kucera LS, et al. **J Med Virol** 1983;12(2):119–27

[Future of antifungal and antiviral agents. 2. Antiviral agents. a. Anti-herpes agents] Ohtani S. **Nippon Rinsho** 1984 Mar; 42(3):638–44 (27 ref.) **(Jpn)**

THERAPEUTIC USE

Acyclovir for herpes simplex infections. Moore JA, et al. **Am Fam Physician** 1984 Feb;29(2):187–90

Prophylactic acyclovir therapy and herpes simplex [letter] Ambinder R, et al. **Ann Intern Med** 1984 Jun;100(6):920–1

Acyclovir and Behçet's disease [letter] Prieto J, et al. **Ann Intern Med** 1984 Oct;101(4):565–6

Acyclovir and Behçet's syndrome [letter] Resegotti L, et al. **Ann Intern Med** 1984 Feb;100(2):319

Acyclovir prophylaxis against herpes simplex virus infection in patients with leukemia. A randomized, double-blind, placebo-controlled study. Saral R, et al. **Ann Intern Med** 1983 Dec;99(6):773–6

Behçet's syndrome and acyclovir [letter] Sözen T, et al. **Ann Intern Med** 1984 Sep;101(3):406

Oral acyclovir to suppress recurring herpes simplex virus infections in immunodeficient patients. Straus SE, et al. **Ann Intern Med** 1984 Apr;100(4):522–4

Acyclovir and overuse of antibiotics [letter] Vartian CV. **Ann Intern Med** 1984 Mar;100(3):463

Acyclovir—a promising antiviral agent: a review of the preclinical and clinical data in ocular herpes simplex management. Koliopoulos J. **Ann Ophthalmol** 1984 Jan; 16(1):19–24

Acyclovir and other chemotherapy for herpes group viral infections. Balfour HH Jr. **Annu Rev Med** 1984;35:279–91 (46 ref.)

Relative activities of acyclovir and BW759 against Aujeszky's disease and equine rhinopneumonitis viruses. Rollinson EA, et al. **Antimicrob Agents Chemother** 1983 Aug;24(2):221–6

Therapeutic activities of 1-(2-fluoro-2-deoxy-beta-D-arabinofuranosyl)-5-iodocyt

and -thymine alone and in combination with acyclovir and vidarabine in mice infected intracerebrally with herpes simplex virus. Schinazi RF, et al. **Antimicrob Agents Chemother** 1983 Jul;24(1):95–103

Early, patient-initiated treatment of herpes labialis with topical 10% acyclovir. Spruance SL, et al. **Antimicrob Agents Chemother** 1984 May;25(5):553–5

Acyclovir: an update of the clinical applications of this antiherpes agent. Fiddian AP, et al. **Antiviral Res** 1984 Jun; 4(3):99–117 (115 ref.)

Acyclovir treatment of experimental genital herpes simplex virus infections. I. Topical therapy of type 2 and type 1 infections of mice. Kern ER, et al. **Antiviral Res** 1983 Nov; 3(4):253–67

In vivo antiviral effect of 9-(2-hydroxyethoxymethyl) guanine on experimental infection of chum salmon (Oncorhynchus keta) fry with Oncorhynchus masou virus (OMV). Kimura T, et al. **Antiviral Res** 1983 Aug;3(2):103–8

Acyclovir. Pharmacology and clinical experience. Laskin OL. **Arch Intern Med** 1984 Jun;144(6):1241–6 (31 ref.)

Combination therapy for dendritic keratitis with acyclovir and alpha-interferon. de Koning EW, et al. **Arch Ophthalmol** 1983 Dec;101(12):1866–8

Acyclovir. Wood D. **Ariz Med** 1983 Sep;40(9):616–20

Relapse of herpes simplex encephalitis after acyclovir therapy. Knezevic W, et al. **Aust NZ J Med** 1983 Dec; 13(6):625–6

Oral acyclovir prophylaxis against herpes simplex virus in non-Hodgkin lymphoma and acute lymphoblastic leukaemia patients receiving remission induction chemotherapy. A randomised double blind, placebo controlled trial. Anderson H, et al. **Br J Cancer** 1984 Jul; 50(1):45–9

Topical acyclovir in the management of recurrent herpes labialis. Fiddian AP, et al. **Br J Dermatol** 1983 Sep; 109(3):321–6

Oral acyclovir in the management of dendritic herpetic corneal ulceration. Hung SO, et al. **Br J Ophthalmol** 1984 Jun;68(6):398–400

A comparison of topical acyclovir with steroids in the treatment of herpes zoster keratouveitis. McGill J, et al. **Br J Ophthalmol** 1983 Nov;67(11):746–50

Treatment with acyclovir of genital herpes simplex virus infection complicated by eczema herpeticum. Robinson GE, et al. **Br J Vener Dis** 1984 Aug;60(4):241–2

Sexually transmitted diseases in pregnancy [letter] Bell AM, et al. **Br Med J [Clin Res]** 1984 May 12;288(6428):1456

Prophylactic topical acyclovir for frequent recurrent herpes simplex infection with and without erythema multiforme. Fawcett HA, et al. **Br Med J [Clin Res]** 1983 Sep 17; 287(6395):798–9

Acyclovir for cytomegalovirus infection [letter] Selby P, et al. **Br Med J [Clin Res]** 1984 Jul 28;289(6439):253

Oral acyclovir in eczema herpeticum. Woolfson H. **Br Med J [Clin Res]** 1984 Feb 18;288(6416):531–2

Treatment of herpes simplex keratitis: comparison of acyclovir and vidarabine. Jackson WB, et al. **Can J Ophthalmol** 1984 Apr;19(3):107–11

Does acyclovir have an adjunctive role in plantar wart therapy? [letter] Pechman KJ. **Cleve Clin Q** 1983 Summer; 50(2):213

A comparison of acyclovir cream versus placebo cream versus liquid nitrogen in the treatment of viral plantar warts. Gibson JR, et al. **Dermatologica** 1984;168(4):178–81

Acyclovir treatment in stromal herpetic keratitis. Oosterhuis JA, et al. **Doc Ophthalmol** 1983 Dec 15;56(1–2):81–8

The clinical use of intravenous acyclovir. Hopefl AW. **Drug Intell Clin Pharm** 1983 Sep;17(9):623–8 (56 ref.)

Acyclovir. A review of its pharmacodynamic properties and therapeutic efficacy. Richards DM, et al. **Drugs** 1983 Nov; 26(5):378–438 (305 ref.)

Management of mucocutaneous herpes simplex virus infections. Straus SE, et al. **Drugs** 1984 Apr;27(4):364–72

Acyclovir therapy for chickenpox in children with hematological malignancies. Boguslawska-Jaworska J, et al. **Eur J Pediatr** 1984 Jun;142(2):130–2

Acycloguanosine therapy of the localized form of herpes simplex virus infection in a low-birth-weight infant. Futamura M, et al. **Eur J Pediatr** 1983 Dec;141(2):113–4

An open trial with acyclovir for the treatment of viral infections in marrow graft recipients. Van Lint MT, et al. **Haematologica (Pavia)** 1983 Nov–Dec;68(6):812–6

Effect of acyclovir and phosphonoformate on cytomegalovirus infection in guinea pigs. Lucia HL, et al. **Intervirology** 1984;21(3):141–9

Acyclovir therapy of varicella-zoster virus infections in immunocompromised patients. Balfour HH Jr, et al. **J Antimicrob Chemother** 1983 Sep;12 Suppl B:169–79 (18 ref.)

Acyclovir in shingles. Bean B, et al. **J Antimicrob Chemother** 1983 Sep;12 Suppl B:123–7 (7 ref.)

The present and future for acyclovir. Brigden D, et al. **J Antimicrob Chemother** 1983 Sep;12 Suppl B:195–9 (23 ref.)

Current status and prospects for oral acyclovir treatment of first episode and recurrent genital herpes simplex virus. Bryson YJ. **J Antimicrob Chemother** 1983 Sep;12 Suppl B:61–5 (9 ref.)

Herpes simplex virus infections of the eye and their management with acyclovir. Falcon MG. **J Antimicrob Chemother** 1983 Sep;12 Suppl B:39–43 (18 ref.)

Oral acyclovir prophylactic treatment of herpes simplex infection after bone marrow transplantation. Gluckman E, et al. **J Antimicrob Chemother** 1983 Sep;12 Suppl B:161–7 (12 ref.)

Effect of low dose acyclovir (5 mg/kg) on virus shedding, interferon and humoral immunity in herpes zoster. Larkin M, et al. **J Antimicrob Chemother** 1983 Jul;12(1):79–87

A review of acyclovir treatment of ocular herpes zoster and skin infections. McGill J, et al. **J Antimicrob Chemother** 1983 Sep;12 Suppl B:45–9 (9 ref.)

The use of acyclovir for cytomegalovirus infections in the immunocompromised host. Meyers JD, et al. **J Antimicrob Chemother** 1983 Sep;12 Suppl B:181–93 (26 ref.)

Genital herpes – the disease and its treatment including intravenous acyclovir. Mindel A, et al. **J Antimicrob Chemother** 1983 Sep;12 Suppl B:51–9 (27 ref.)

Acyclovir and Epstein-Barr virus infection. Pagano JS, et al. **J Antimicrob Chemother** 1983 Sep;12 Suppl B:113–21 (19 ref.)

Use of acyclovir for prophylaxis of herpes infections in severely immunocompromised patients. Prentice HG. **J Antimicrob Chemother** 1983 Sep;12 Suppl B:153–9 (11 ref.)

Interim summary of mortality in herpes simplex encephalitis and neonatal herpes simplex virus infections: vidarabine versus acyclovir. Whitley RJ. **J Antimicrob Chemother** 1983 Sep;12 Suppl B:105–12 (8 ref.)

Acyclovir in the management of herpes labialis. Yeo JM, et al. **J Antimicrob Chemother** 1983 Sep;12 Suppl B:95–103 (16 ref.)

Effect of acyclovir treatment of primary genital herpes on the antibody response to herpes simplex virus. Ashley RL, et al. **J Clin Invest** 1984 Mar;73(3):681–8

A quantitative study of the effects of several nucleoside analogues on established herpes encephalitis in mice. Field HJ, et al. **J Gen Virol** 1984 Apr;65 (Pt 4):707–19

The effects of acyclovir on antibody response to herpes simplex virus in primary genital herpetic infections. Bernstein DI, et al. **J Infect Dis** 1984 Jul;150(1):7–13

A collaborative study of patient-initiated treatment of recurrent genital herpes with topical acyclovir or placebo. Luby JP, et al. **J Infect Dis** 1984 Jul;150(1):1–6

In vitro sensitivity to acyclovir in genital herpes simplex viruses from acyclovir-treated patients. McLaren C, et al. **J Infect Dis** 1983 Nov;148(5):868–75

Effect of combined acyclovir and vidarabine on infection with herpes simplex virus in vitro and in vivo. Park NH, et al. **J Infect Dis** 1984 May;149(5):757–62

Recurrent infection with herpes simplex virus after marrow transplantation: role of the specific immune response and acyclovir treatment. Wade JC, et al. **J Infect Dis** 1984 May; 149(5):750–6

Treatment of cytomegaloviral pneumonia with high-dose acyclovir and human leukocyte interferon. Wade JC, et al. **J Infect Dis** 1983 Sep;148(3):557–62

Frequency and significance of acyclovir-resistant herpes simplex virus isolated from marrow transplant patients receiving multiple courses of treatment with acyclovir. Wade JC, et al. **J Infect Dis** 1983 Dec;148(6):1077–82

Acyclovir. Knight M, et al. **J Iowa Med Soc** 1983 Dec; 73(12):512–4

Intravenous acyclovir therapy for varicella in immunocompromised children. Balfour HH Jr. **J Pediatr** 1984 Jan;104(1):134–6

Cytotoxic chemotherapy and viral infections: the role of acyclovir. Anderson H, et al. **J R Coll Physicians Lond** 1984 Jan;18(1):51–5

Persistent generalised lymphadenopathy and acyclovir [letter] **Lancet** 1984 Jun 2;1(8388):1236

Prophylactic acyclovir [letter] Abeles JH. **Lancet** 1984 Jul 14;2(8394):95

Prophylaxis: a strategy to minimise antiviral resistance. Ambinder RF, et al. **Lancet** 1984 May 26;1(8387):1154–5

Unsuccessful treatment of Creutzfeldt-Jakob disease with acyclovir [letter] David AS, et al. **Lancet** 1984 Mar 3; 1(8375):512–3

Prophylactic oral acyclovir in recurrent genital herpes. Mindel A, et al. **Lancet** 1984 Jul 14;2(8394):57–9

Acyclovir in Creutzfeldt-Jakob disease [letter] Newman PK. **Lancet** 1984 Apr 7;1(8380):793

Regression of chronic generalised lymphadenopathy in a homosexual man after therapy with intravenous acyclovir [letter] Resnick L, et al. **Lancet** 1984 Apr 7;1(8380):798

Decreased incidence of viridans streptococcal septicaemia in allogeneic bone marrow transplant recipients after the introduction of acyclovir [letter] Ringdén O, et al. **Lancet** 1984 Mar 31;1(8379):744

Successful acyclovir and the successors. Hovi T. **Med Biol** 1983;61(4):196–8

Acyclovir for immunocompromized patients with herpes zoster [letter] **N Engl J Med** 1983 Nov 17;309(20):1254–5

Acyclovir for the treatment of severe aplastic anemia [letter] Bacigalupo A, et al. **N Engl J Med** 1984 Jun 14; 310(24):1606–7

Acyclovir for varicella zoster infection [letter] Fanelli C, et al. **N Engl J Med** 1984 Apr 12;310(15):987–8

Acyclovir and herpesvirus infections. A review of the literature. Pallasch TJ, et al. **Oral Surg** 1984 Jan;57(1):41–4

Postinfectious encephalopathy after treatment of herpes simplex encephalitis with acyclovir. Abramson JS, et al. **Pediatr Infect Dis** 1984 Mar–Apr;3(2):146–7

The use of acyclovir in children. Bryson YJ. **Pediatr Infect Dis** 1984 Jul–Aug;3(4):345–8

Prophylactic or anticipatory antiviral therapy for newborns exposed to herpes simplex infection. Overall JC Jr, et al. **Pediatr Infect Dis** 1984 May–Jun;3(3):193–5

Acyclovir: mechanism of action, pharmacokinetics, safety and clinical applications. Gnann JW Jr, et al. **Pharmacotherapy** 1983 Sep–Oct;3(5):275–83 (88 ref.)

Herpes simplex type 2 meningitis treated with acyclovir. Levy DM, et al. **Postgrad Med J** 1984 Apr;60(702):282–3

Prophylactic and therapeutic treatment with acyclovir of genital herpes in the guinea pig. Myerson D, et al. **Proc Soc Exp Biol Med** 1983 Nov;174(2):147–52

Studies in the prophylaxis of herpes infections in severely immunocompromised patients using acyclovir. Prentice HG, et al. **Schweiz Med Wochenschr [Suppl]** 1983;14:26–9

Acyclovir ointment does not affect the dark-field examination in primary syphilis. Roddy R, et al. **Sex Transm Dis** 1983 Oct–Dec;10(4):198–9

What's new: acyclovir for treatment of ocular viral infections. Wilhelmus KR, et al. **Tex Med** 1983 Jul;79(7):27–9

Acyclovir therapy in herpes zoster infection. A practical guide. McGill J, et al. **Trans Ophthalmol Soc UK** 1983;103 (Pt 1):111–4

Acyclovir treatment of varicella-zoster virus infection in the compromised host. Meyers JD, et al. **Transplantation** 1984 Jun;37(6):571–4

[A case of Kaposi-Juliusberg pustulosis (eczema herpeticum) in an infant, treated with acyclovir] Taïeb A, et al. **Ann Dermatol Venereol** 1984;111(2):173–5 **(Fre)**

[Interferon: major therapeutic contribution in ocular herpes] Colin J, et al. **Bull Soc Ophtalmol Fr** 1983 Mar;83(3):435–6 (Eng. Abstr.) **(Fre)**

[Acyclovir treatment of eczema herpeticum in Darier's disease] Leroy D, et al. **Dermatologica** 1983;167(4):212–6 (Eng. Abstr.) **(Fre)**

[Acyclovir and trifluorothymidine in herpetic kerato-uveitis. A comparative clinical study. Indications for corticoid therapy] Hoang-Xuan T, et al. **J Fr Ophtalmol** 1984; 7(2):125–31 (Eng. Abstr.) **(Fre)**

[Efficacy and tolerability of acyclovir in immunosuppressed patients with herpes simplex, herpes zoster or cutaneomucous chicken-pox. Multicenter trial apropos of 50 cases] Dellamonica P, et al. **Rev Med Interne** 1983 Sep; 4(3):289–93 (Eng. Abstr.) **(Fre)**

[Oral acyclovir therapy of virologically proven intraocular herpes simplex virus infections] Sundmacher R. **Klin Monatsbl Augenheilkd** 1983 Oct;183(4):246–50 (Eng. Abstr.) **(Ger)**

[Zovirax] **Klin Wochenschr** 1983 Aug 15;61(16):829–30 **(Ger)**

[Acyclovir therapy in varicella/zoster diseases in immunocompromised children with cancer] Kuhn N, et al. **Monatsschr Kinderheilkd** 1984 Feb;132(2):105–9 (Eng. Abstr.) **(Ger)**

[Acyclovir in severe varicella pneumonia and in herpes ophthalmicus] Raidt H, et al. **Praxis** 1983 Sep 13; 72(37):1179–82 (Eng. Abstr.) **(Ger)**

[Acyclovir in mycosis fungoides] Mahrle G, et al. **Z Hautkr** 1984 Jul 1;59(13):855–6 (Eng. Abstr.) **(Ger)**

[Intravenous acyclovir (ACV, Zovirax) therapy of varicella zoster infections in immunologically endangered patients] Kerpel-Fronius S, et al. **Orv Hetil** 1983 Nov 27; 124(48):2913–8 (Eng. Abstr.) **(Hun)**

[Preliminary results of acyclovir treatment of herpetic infections in organ transplant patients] Rivanera D, et al. **G Ital Chemioter** 1984 Jan-Aug;31(1–2):177–80 (Eng. Abstr.) **(Ita)**

[Acyclovir treatment of herpes group virus infections in children with leukemia and other immunocompromised status] Sekine I, et al. **Rinsho Ketsueki** 1983 Sep; 24(9):1260–70 (Eng. Abstr.) **(Jpn)**

[Herpes simplex virus infections in the neonatal period treated with acyclovir] Flaegstad T, et al. **Tidsskr Nor Laegeforen** 1984 Feb 10;104(4):223–4 (Eng. Abstr.) **(Nor)**

TOXICITY

Selectivity of antiviral effectiveness derived from differences of herpes simplex virus-coded thymidine kinases. Fyfe JA. **Adv Exp Med Biol** 1984;165 Pt A:245–8

Preclinical toxicology studies with acyclovir: genetic toxicity tests. Clive D, et al. **Fundam Appl Toxicol** 1983 Nov–Dec; 3(6):587–602

Preclinical toxicology studies with acyclovir: teratologic, reproductive and neonatal tests. Moore HL Jr, et al. **Fundam Appl Toxicol** 1983 Nov–Dec;3(6):560–8

Preclinical toxicology studies with acyclovir: carcinogenicity bioassays and chronic toxicity tests. Tucker WE Jr, et al. **Fundam Appl Toxicol** 1983 Nov–Dec;3(6):579–86

Preclinical toxicology studies with acyclovir: acute and subchronic tests. Tucker WE Jr, et al. **Fundam Appl Toxicol** 1983 Nov–Dec;3(6):573–8

Preclinical toxicology studies with acyclovir: ophthalmic and cutaneous tests. Tucker WE Jr, et al. **Fundam Appl Toxicol** 1983 Nov–Dec;3(6):569–72

Cooperative effects between two acyclovir resistance loci in herpes simplex virus. Darby G, et al. **J Virol** 1984 Jun; 50(3):838–46

Cell surface alterations induced by the acycloguanosine (ACG) resistant and sensitive strains of herpes simplex virus type 2 (HSV-2) in the presence of ACG and tunicamycin.

Gamliel H, et al. **Scan Electron Microsc** 1983;(Pt 4):2037–45

ACYL CARRIER PROTEIN

ANALYSIS

A novel, general radioimmunoassay for acyl carrier proteins. Kuo TM, et al. **Anal Biochem** 1984 Feb;136(2):497–502

Ratio of active to inactive forms of acyl carrier protein in Escherichia coli. Jackowski S, et al. **J Biol Chem** 1983 Dec 25;258(24):15186–91

ISOLATION & PURIFICATION

The multifunctional polypeptide chain of rabbit mammary fatty acid synthase contains a domain homologous with the acyl carrier protein of Escherichia coli. McCarthy AD, et al. **Eur J Biochem** 1983 Nov 15;136(3):501–8

METABOLISM

Acyl carrier protein from Escherichia coli I. Aspects of the solution structure as evidenced by proton nuclear Overhauser experiments at 500 MHz. Mayo KH, et al. **Biochemistry** 1983 Sep 13;22(19):4485–93

Evidence that incorporation of exogenous fatty acids into the phospholipids of Escherichia coli does not require acyl carrier protein. Cronan JE Jr. **J Bacteriol** 1984 Aug; 159(2):773–5

Turnover of the 4'-phosphopantetheine prosthetic group of acyl carrier protein. Jackowski S, et al. **J Biol Chem** 1984 Feb 10;259(3):1891–5

Acyl-acyl carrier protein as substrate of the acyltransferase of rat liver microsomes. Pugh EL, et al. **Lipids** 1984 May; 19(5):359–62

ACYL COA see **ACYL COENZYME A**

ACYL COA DEHYDROGENASES see **FATTY ACID DESATURASES**

ACYL COA DESATURASES see **FATTY ACID DESATURASES**

ACYL COA SYNTHETASES see **COENZYME A SYNTHETASES**

ACYL COENZYME A

ADMINISTRATION & DOSAGE

Effects of palmitoyl coenzyme A on rat skeletal muscle sarcoplasmic reticulum. Bindoli A, et al. **Int J Biochem** 1983;15(10):1219–23

ANALOGS & DERIVATIVES

Source of methylmalonyl-coenzyme A for erythromycin synthesis: methylmalonyl-coenzyme A mutase from Streptomyces erythreus. Hunaiti AA, et al. **Antimicrob Agents Chemother** 1984 Feb;25(2):173–8

Inhibition in vitro of lipogenic enzymes from bovine (Bos taurus) mammary tissue by methylmalonyl-coenzyme A and coenzyme A. Wahle KW, et al. **Comp Biochem Physiol [B]** 1984;78(1):93–7

Identification of 2-tetradecylglycidyl coenzyme A as the active form of methyl 2-tetradecylglycidate (methyl palmoxirate) and its characterization as an irreversible, active site-directed inhibitor of carnitine palmitoyltransferase A in isolated rat liver mitochondria. Kiorpes TC, et al. **J Biol Chem** 1984 Aug 10;259(15):9750–5

ANALYSIS

The analysis of acyl-coenzyme A derivatives by reverse-phase high-performance liquid chromatography. DeBuysere MS, et al. **Anal Biochem** 1983 Sep;133(2):373–9

Determination of malonyl-coenzyme A in rat heart, kidney, and liver: a comparison between acetyl-coenzyme A and butyryl-coenzyme A as fatty acid synthase primers in the assay procedure. Singh B, et al. **Anal Biochem** 1984 Apr; 138(1):107–11

Triacylglycerol biosynthesis in human small intestinal mucosa. Acyl-CoA: monoglyceride acyltransferase. Bierbach H. **Digestion** 1983;28(2):138–47

Malonate, malonyl-coenzyme A, and acetyl-coenzyme A in developing rat brain. Mitzen EJ, et al. **J Neurochem** 1984 Aug;43(2):499–506

[Activities of phospholipase A1, A2, lysophospholipase and acylCoA: lysophospholipid acyltransferase in ischemic brain of the dog] Hirashima Y, et al. **No To Shinkei** 1983 Sep;35(9):899–904 (Eng. Abstr.) **(Jpn)**

BIOSYNTHESIS

Malyl-CoA formation in the NAD-, CoASH-, and alpha-ketoglutarate dehydrogenase-dependent oxidation of 2-keto-4-hydroxyglutarate. Possible coupled role of this reaction with 2-keto-4-hydroxyglutarate aldolase activity in a pyruvate-catalyzed cyclic oxidation of glyoxylate. Gupta SC, et al. **J Biol Chem** 1984 Aug 25;259(16):10012–9

Assay of stearoyl-CoA synthesis in microsomes from normal and Trembler mouse sciatic nerves. Boiron F, et al. **Neurosci Lett** 1984 Jul 13;48(1):7–12

METABOLISM

Determination of malonyl-coenzyme A in rat heart, kidney, and liver: a comparison between acetyl-coenzyme A and butyryl-coenzyme A as fatty acid synthase primers in the assay procedure. Singh B, et al. **Anal Biochem** 1984 Apr; 138(1):107–11

Interactions between carbamyl phosphate synthase-I-mitochondrial aspartate aminotransferase and palmitoyl-CoA. Fahien LA, et al. **Arch Biochem Biophys** 1984 Apr;230(1):213–21

Acyl coenzyme a:phospholipid acyltransferases in porcine platelets discriminate between omega-3 and omega-6 unsaturated fatty acids. Inoue M, et al. **Arch Biochem Biophys** 1984 May 15;231(1):29–37

Peroxisomal fatty acyl-coenzyme A oxidation in chicken liver. Ishii H, et al. **Arch Biochem Biophys** 1983 Oct 15; 226(2):484–91

Immunochemical evidence for participation of NADPH-cytochrome c reductase in microsomal fatty acyl-CoA desaturation of Tetrahymena cells lacking in cytochrome P-450. Fukushima H, et al. **Biochem Biophys Res Commun** 1983 Sep 15;115(2):456–62

2-Methylbutyryl CoA dehydrogenase from mitochondria of Ascaris suum and its relationship to NADH-dependent 2-methylcrotonyl CoA reduction. Komuniecki R, et al. **Biochem Biophys Res Commun** 1984 Feb 14;118(3):783–8

Localization of carnitine acyltransferases and acyl-CoA beta-oxidation enzymes in small intestinal microperoxisomes (peroxisomes) of normal and clofibrate treated mice. Small GM, et al. **Biochem Int** 1983 Aug; 7(2):263–72

Implication of a peroxisomal enzyme in the catabolism of glutaryl-CoA. Vamecq J, et al. **Biochem J** 1984 Jul 1; 221(1):203–11

Xenobiotic acyl-coenzymes A: critical intermediates in the biochemical pharmacology and toxicology of carboxylic acids. Caldwell J. **Biochem Soc Trans** 1984 Feb;12(1):9–11

Increase in mitochondrial content of long-chain acyl-CoA in brown adipose tissue during cold-acclimation. Normann PT, et al. **Biochim Biophys Acta** 1984 Jul 6;794(2):225–33

Salient effects of L-carnitine on adenine-nucleotide loss and coenzyme A acylation in the diabetic heart perfused with excess palmitic acid. A phosphorus-31 NMR and chemical extract study. Pieper GM, et al. **Biochim Biophys Acta** 1984 Apr 16;803(4):241–9

In vitro regulation of bovine adrenal cortical acyl-CoA: cholesterol acyltransferase and comparison with the rat liver enzyme. Suckling KE, et al. **Biochim Biophys Acta** 1983 Oct 11;753(3):422–9

Arachidoyl- and arachidonoyl-CoA elongation mechanism in swine cerebral microsomes. Yoshida S, et al. **Biochim Biophys Acta** 1984 Aug 15;795(1):137–46

The acylation of lysophosphatidylcholine in the rat testicular tissue: the combined activity of acyl-CoA synthetase and lysolecithin acyltransferase. Chaudhary LR. **Biochimie** 1982 Mar;64(3):211–7

Pathways for desaturation of oleoyl chains in Candida lipolytica. Ferrante G, et al. **Can J Biochem Cell Biol** 1983 Nov;61(11):1191–6

Rat liver peroxisomes, II. Stimulation of peroxisomal fatty-acid beta-oxidation by thyroid hormones. Just WW, et al. **Hoppe Seylers Z Physiol Chem** 1983 Nov; 364(11):1541–7

Influence of dietary status on liver palmitoyl-CoA hydrolase, peroxisomal enzymes, CoASH and long-chain acyl-CoA in rats. Berge RK, et al. **Int J Biochem** 1984;16(4):403–10

Control of triglyceride synthesis by the intracellular level of long-chain acyl coenzyme A for lipid synthesis. Kamiryo T. **J Bacteriol** 1983 Oct;156(1):447–9

Purification and properties of acyl coenzyme A dehydrogenases from bovine liver. Formation of 2-trans,4-cis-decadienoyl coenzyme A. Dommes V, et al. **J Biol Chem** 1984 Feb 10;259(3):1789–97

Transient kinetic studies of fatty acid synthetase. A kinetic self-editing mechanism for the loading of acetyl and malonyl residues and the role of coenzyme A. Soulié JM, et al. **J Biol Chem** 1984 Jan 10;259(1):134–40

Escherichia coli alpha-ketoglutarate dehydrogenase complex. Steginsky CA, et al. **J Biol Chem** 1984 Apr 10; 259(7):4023–6

Differential acylation in vitro with tetradecanoyl coenzyme A and tetradecanoic acid (+ATP) of three polypeptides shown to have induced synthesis in Photobacterium phosphoreum. Wall L, et al. **J Biol Chem** 1984 Feb 10; 259(3):1409–14

Regulation of acylcoenzyme A. Cholesterol acyltransferase and 3-hydroxy-3-methylglutaryl coenzyme A reductase activity by lipoproteins in the intestine of parabiont rats. Purdy BH, et al. **J Clin Invest** 1984 Aug;74(2):351–7

Malonyl coenzyme A decarboxylase deficiency. Brown GK, et al. **J Inherited Metab Dis** 1984;7(1):21–6

Utilization of different fatty acyl-CoA thioesters by serine palmitoyltransferase from rat brain. Merrill AH Jr, et al. **J Lipid Res** 1984 Feb;25(2):185–8

Induction of microsomal stearoyl-CoA desaturase by the administration of various phenoxyacetic acid derivatives. Kawashima Y, et al. **J Pharmacobiodyn** 1984 May; 7(5):286–93

The effects of beta-blocking agents on mitochondrial function in ischemic myocardium. Nagai S, et al. **Jpn Circ J** 1984 Jan;48(1):32–6

Long-chain Acyl-CoA levels in liver from rats fed high-fat diets: is it of significance for an increased peroxisomal beta-oxidation? Nilsson A, et al. **Lipids** 1984 Mar; 19(3):187–94

Acyl-acyl carrier protein as substrate of the acyltransferase of rat liver microsomes. Pugh EL, et al. **Lipids** 1984 May; 19(5):359–62

NADH-dependent tiglyl-CoA reduction in disrupted mitochondria of Ascaris suum. Komuniecki R, et al. **Mol Biochem Parasitol** 1984 Jan;10(1):25–32

The interaction of long-chain acyl CoA with membranes. Brecher P. **Mol Cell Biochem** 1983;57(1):3–15 (90 ref.)

Increased long chain acyl CoA in Duchenne muscular dystrophy. Carroll JE, et al. **Neurology (NY)** 1983 Nov; 33(11):1507–10

Myoglobinuria and carnitine palmityltransferase (CPT) deficiency: studies with malonyl-CoA suggest absence of only CPT-II. Trevisan CP, et al. **Neurology (NY)** 1984 Mar; 34(3):353–6

[Biosynthesis of mevalonic acid, sterols and bile acids from acetyl-CoA and malonyl-CoA in the human liver] Klimov AN, et al. **Biokhimiia** 1983 Nov;48(11):1862–9 (Eng. Abstr.) **(Rus)**

[The state of energy metabolism and lipid distribution in the livers of rats treated with phenobarbital and oil] Solov'ev VN, et al. **Biokhimiia** 1983 Jul;48(7):1149–56 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Effect of polyamines on palmitoyl-coenzyme A-caused inhibition of glucose-6-phosphate dehydrogenase from baker's yeast. Mita M, et al. **Arch Biochem Biophys** 1983 Oct 1;226(1):19–26

Altered sensitivity of carnitine palmitoyltransferase to inhibition by malonyl-CoA in ketotic diabetic rats. Cook GA, et al. **Biochem J** 1984 Apr 1;219(1):337–9

Effects of pH on the interaction of substrates and malonyl-CoA with mitochondrial carnitine palmitoyltransferase I. Mills SE, et al. **Biochem J** 1984 Apr 15;219(2):601–8

Effect of long-chain fatty acyl-CoA on mitochondrial and cytosolic ATP/ADP ratios in the intact liver cell. Soboll S, et al. **Biochem J** 1984 Jun 1;220(2):371–6

Time-dependence of inhibition of carnitine palmitoyltransferase I by malonyl-CoA in mitochondria isolated from livers of fed or starved rats. Evidence for transition of the enzyme between states of low and high affinity for malonyl-CoA. Zammit VA. **Biochem J** 1984 Mar 1;218(2):379–86

Changes in the ability of malonyl-CoA to inhibit carnitine palmitoyltransferase I activity and to bind to rat liver mitochondria during incubation in vitro. Differences in binding at 0 degree C and 37 degrees C with a fixed concentration of malonyl-CoA. Zammit VA, et al. **Biochem J** 1984 Sep 1;222(2):335–42

Reversible sensitization and desensitization of carnitine palmitoyltransferase I to inhibition by malonyl-CoA in isolated rat liver mitochondria. Significance for the mechanism of malonyl-CoA-induced sensitization. Zammit VA. **Biochem J** 1983 Sep 15;214(3):1027–30

The effects of 2[5(4-chlorophenyl)pentyl]oxirane-2-carbonyl-Co-A on mitochondrial oxidations. Turnbull DM, et al. **Biochem Pharmacol** 1984 Feb 1;33(3):475–81

Activation of yeast pyruvate carboxylase: interactions between acyl coenzyme A compounds, aspartate, and substrates of the reaction. Myers DE, et al. **Biochemistry** 1983 Oct 25;22(22):5090–6

Inhibition of the adenine nucleotide translocator by matrix-localized palmityl-CoA in rat heart mitochondria. Paulson DJ, et al. **Biochim Biophys Acta** 1984 Jul 27; 766(1):70–6

Inhibitory effect of long chain fatty acyl CoAs on RNA polymerase from Escherichia coli. Yokokawa M, et al. **J Biochem (Tokyo)** 1983 Aug;94(2):415–20

Effect of atractylosides, palmitoyl coenzyme A, and anion transport inhibitors on translocation of nucleotide sugars and nucleotide sulfate into Golgi vesicles. Capasso JM, et al. **J Biol Chem** 1984 Apr 10;259(7):4263–6

Regulation of enzymes by fatty acyl coenzyme A. Interactions of short and long chain spin-labeled acyl-CoA with the acetyl-CoA site on pig heart citrate synthase. Hansel BC, et al. **J Biol Chem** 1984 Feb 10;259(3):1423–30

Inhibition of the hormone-sensitive lipase in adipose tissue by long-chain fatty acyl coenzyme A. Severson DL, et al. **Lipids** 1984 Feb;19(2):134–8

Protective effect of epomediol on calcium release induced by palmitoyl CoA in the sarcoplasmic reticulum. Bindoli A, et al. **Pharmacol Res Commun** 1984 Jul;16(7):647–52

[Alteration of energy-dependent functions of liver mitochondria during the interaction of the carrier of adenine nucleotides with palmitoyl-CoA] Panov AV, et al. **Vopr Med Khim** 1983 Sep-Oct;29(5):18–21 (Eng. Abstr.) **(Rus)**

URINE

L-carnitine enhances excretion of propionyl coenzyme A as propionylcarnitine in propionic acidemia. Roe CR, et al. **J Clin Invest** 1984 Jun;73(6):1785–8

ACYL COENZYME A SYNTHETASES see **COENZYME A SYNTHETASES**

ACYLNEURAMINATE CYTIDYLYLTRANSFERASE see under NUCLEOTIDYLTRANSFERASES

ACYLTRANSFERASES

Organ-specific difference in the sugar chains of gamma-glutamyltranspeptidase. Yamashita K, et al. **Arch Biochem Biophys** 1983 Sep;225(2):993–6

ANALYSIS

Importance of albumin binding in the assay for carnitine palmitoyltransferase. McCormick K, et al. **Biochem J** 1983 Nov 15;216(2):495–8

Localization of lipoyl-bearing domains in the alpha-ketoglutarate dehydrogenase multienzyme complex. Wagenknecht T, et al. **Biochemistry** 1984 Jul 17; 23(15):3383–9

The subcellular localization of transglutaminase in normal liver and in glucagon-treated and partial hepatectomized rats. Bruce SE, et al. **Biosci Rep** 1983 Dec;3(12):1085–90

Sensitive assay of carnitine palmitoyl transferase activity in tissue homogenates with a modified spectrophotometric method for enzymatic carnitine determination. Deufel T, et al. **Clin Chim Acta** 1983 Dec 15;135(2):247–51

Triacylglycerol biosynthesis in human small intestinal mucosa. Acyl-CoA: monoglyceride acyltransferase. Bierbach H. **Digestion** 1983;28(2):138–47

Immunocytochemical localization of two peroxisomal enzymes of lipid beta-oxidation in specific granules of rat eosinophils. Yokota S, et al. **Histochemistry** 1983; 78(4):425–33

[Activities of phospholipase A1, A2, lysophospholipase and acylCoA: lysophospholipid acyltransferase in ischemic brain of the dog] Hirashima Y, et al. **No To Shinkei** 1983 Sep;35(9):899–904 (Eng. Abstr.) **(Jpn)**

ANTAGONISTS & INHIBITORS

Inhibition of peptidyltransferase and possible mode of action of a dipeptidyl chloramphenicol analog. McFarlan SC, et al. **Biochem Biophys Res Commun** 1984 Jul 31;122(2):748–54

Inactivation of acyl-CoA:cholesterol acyltransferase by ATP+Mg2+ in rat liver microsomes. Kwok CT, et al. **Biochem Int** 1984 Feb;8(2):271–82

Altered sensitivity of carnitine palmitoyltransferase to inhibition by malonyl-CoA in ketotic diabetic rats. Cook GA, et al. **Biochem J** 1984 Apr 1;219(1):337–9

Inhibition by acetyl-CoA of hepatic carnitine acyltransferase and fatty acid oxidation. McCormick K, et al. **Biochem J** 1983 Nov 15;216(2):499–502

Effects of pH on the interaction of substrates and malonyl-CoA with mitochondrial carnitine palmitoyltransferase I. Mills SE, et al. **Biochem J** 1984 Apr 15;219(2):601–8

On the mechanism of the modulation in vitro of acyl-CoA:cholesterol acyltransferase by progesterone. Synouri-Vrettakou S, et al. **Biochem J** 1983 Oct 1; 215(1):191–9

Time-dependence of inhibition of carnitine palmitoyltransferase I by malonyl-CoA in mitochondria isolated from livers of fed or starved rats. Evidence for transition of the enzyme between states of low and high affinity for malonyl-CoA. Zammit VA. **Biochem J** 1984 Mar 1;218(2):379–86

Changes in the ability of malonyl-CoA to inhibit carnitine palmitoyltransferase I activity and to bind to rat liver mitochondria during incubation in vitro. Differences in binding at 0 degree C and 37 degrees C with a fixed concentration of malonyl-CoA. Zammit VA, et al. **Biochem J** 1984 Sep 1;222(2):335–42

Reversible sensitization and desensitization of carnitine palmitoyltransferase I to inhibition by malonyl-CoA in isolated rat liver mitochondria. Significance for the mechanism of malonyl-CoA-induced sensitization. Zammit VA. **Biochem J** 1983 Sep 15;214(3):1027–30

Carnitine palmitoyltransferase I. Inhibition by D-galactosamine and role of phospholipids. Sire O, et al. **Eur J Biochem** 1983 Nov 2;136(2):371–5

The competitive inhibition of tissue transglutaminase by alpha-difluoromethylornithine. Delcros JG, et al. **FEBS Lett** 1984 Jun 11;171(2):221–6

Studies on the mechanism of action of imipenem (N-formimidoylthienamycin) in vitro: binding to the penicillin-binding proteins (PBPs) in Escherichia coli and Pseudomonas aeruginosa, and inhibition of enzyme activities due to the PBPs in E. coli. Hashizume T, et al. **J Antibiot (Tokyo)** 1984 Apr;37(4):394–400

Heparin as an inhibitor of L-arginyl-tRNA: protein arginyltransferase. Kato M. **J Biochem (Tokyo)** 1983 Dec; 94(6):2015–22

Identification of 2-tetradecylglycidyl coenzyme A as the active form of methyl 2-tetradecylglycidate (methyl palmoxirate) and its characterization as an irreversible, active site-directed inhibitor of carnitine palmitoyltransferase A in isolated rat liver mitochondria. Kiorpes TC, et al. **J Biol Chem** 1984 Aug 10;259(15):9750–5

Selective inhibition of acyl coenzyme A:cholesterol acyltransferase by compound 58-035. Ross AC, et al. **J Biol Chem** 1984 Jan 25;259(2):815–9

Reduced cholesterol transmucosal transport in rats with inhibited mucosal acyl CoA:cholesterol acyltransferase and normal pancreatic function. Clark SB, et al. **J Lipid Res** 1984 Feb;25(2):148–59

Potential antiatherosclerotic agents. 2. (Aralkylamino)- and (alkylamino) benzoic acid analogues of cetaben. Albright JD, et al. **J Med Chem** 1983 Oct;26(10):1378–93

Extrapancreatic action of sulfonylureas: hypoglycemic effects are not dependent on altered insulin binding or inhibition of transglutaminase. Nowak SM, et al. **Metabolism** 1983 Apr;32(4):398–402

Inhibition of carnitine palmitoyltransferase 1 by phenylalkyloxiranecarboxylic acid and its influence on lipolysis and glucose metabolism in isolated, perfused hearts of streptozotocin-diabetic rats. Rösen P, et al. **Metabolism** 1984 Feb;33(2):177–85

Effects of transglutaminase or phospholipase A2 inhibitors on down-regulation of prolactin receptors and stimulation of casein and DNA synthesis in mammary gland explants. Dusanter-Fourt I, et al. **Mol Cell Endocrinol** 1983 Aug; 31(2–3):287–99

Inhibition of HKSV28 cell growth by 5,11-methenyl-tetrahydrohomofolate. Slieker LJ, et al. **Mol Pharmacol** 1984 Mar;25(2):294–302

BIOSYNTHESIS

Phytoalexin synthesis in soybean cells: elicitor induction of phenylalanine ammonia-lyase and chalcone synthase mRNAs and correlation with phytoalexin accumulation. Ebel J, et al. **Arch Biochem Biophys** 1984 Jul;232(1):240–8

Biosynthesis of carnitine octanoyltransferase and carnitine palmitoyltransferase. Ozasa H, et al. **J Biochem (Tokyo)** 1983 Aug;94(2):543–9

Induction of tissue transglutaminase in human peripheral blood monocytes. Murtaugh MP, et al. **J Exp Med** 1984 Jan 1;159(1):114–25

Phagocytosis inhibits the expression of tissue transglutaminase in mouse peritoneal macrophages. Mehta K, et al. **J Immunol** 1984 May;132(5):2552–8

BLOOD

Possibly immunosuppressive factors in blood products [letter] Ablin RJ, et al. **Ann Intern Med** 1984 Jan;100(1):155–6

Diazepam inhibits cholesterol esterification by arterial ACAT and plasma LCAT, in vitro. Bell FP. **Atherosclerosis** 1984 Mar;50(3):345–52

Comparison of human plasma low- and high-density lipoproteins as substrates for lecithin: cholesterol acyltransferase. Barter PJ, et al. **Biochim Biophys Acta** 1984 Jan 17;792(1):1–5

Lack of induction of serum gamma-glutamyltransferase in diabetes mellitus. Jimenez-Alonso J, et al. **Enzyme** 1983; 30(4):277–81

Arachidonoyl transacylase in human platelets. Coenzyme A-independent transfer of arachidonate from phosphatidylcholine to lysoplasmenylethanolamine. Kramer RM, et al. **J Biol Chem** 1983 Nov 25; 258(22):13806–11

Increased lysolecithin acyltransferase activity in the plasma of type II hyperlipoproteinemic patients. Subbaiah PV, et al. **Lipids** 1984 Feb;19(2):80–4

Does subunit a of factor XIII regulate the plasma concentration of subunit b? [letter] Garcia VV, et al. **Thromb Haemost** 1983 Aug 30;50(2):621

DEFICIENCY

Deficiency of acyl-CoA: dihydroxyacetone phosphate acyltransferase in patients with Zellweger (cerebro-hepato-renal) syndrome. Schutgens RB, et al. **Biochem Biophys Res Commun** 1984 Apr 16;120(1):179–84

A case of beta-ketothiolase deficiency. Bennett MJ, et al. **J Inherited Metab Dis** 1983;6(4):157

Myoglobinuria and carnitine palmityltransferase (CPT) deficiency: studies with malonyl-CoA suggest absence of only CPT-II. Trevisan CP, et al. **Neurology (NY)** 1984 Mar; 34(3):353–6

[Carnitine palmitoyltransferase deficiency: fatty acid utilization defect causing myopathy] Lehtonen A, et al. **Duodecim** 1983;99(16):1063–9 **(Fin)**

[Myopathy due to carnitine palmitoyltransferase deficiency. Report of 2 cases with enzymatic analyses on muscle tissue] Werneck LC, et al. **Arq Neuropsiquiatr** 1983 Dec; 41(4):377–84 (Eng. Abstr.) **(Por)**

GENETICS

Regulation of epidermal transglutaminase activity and terminal differentiation by retinoids and phorbol esters. Yuspa SH, et al. **Cancer Res** 1983 Dec;43(12 Pt 1):5707–12

The induction of epidermal transglutaminase and terminal differentiation by tumor promoters in cultured epidermal cells. Yuspa SH, et al. **Carcinogenesis** 1983 Nov; 4(11):1413–8

A Drosophila metabolic gene transcript is alternatively processed. Henikoff S, et al. **Cell** 1983 Sep;34(2):405–14

Nucleotide sequence of the sucB gene encoding the dihydrolipoamide succinyltransferase of Escherichia coli K12 and homology with the corresponding acetyltransferase. Spencer ME, et al. **Eur J Biochem** 1984 Jun 1;141(2):361–74

Altered acyltransferase activity in Escherichia coli associated with mutations in acyl coenzyme A synthetase. Greenway DL, et al. **J Biol Chem** 1983 Nov 10;258(21):13034–42

The hormonal induction of gamma glutamyltransferase in rat liver and in a hepatoma cell line. Barouki R, et al. **Mol Cell Biochem** 1983;53–54(1–2):77–88

ISOLATION & PURIFICATION

Solubilization and partial purification of dihydroxyacetone-phosphate acyltransferase from guinea pig liver. Jones CL, et al. **Arch Biochem Biophys** 1983 Oct 1;226(1):155–65

Partial purification and product characterization of fatty acid ethyl ester synthases in rabbit myocardium. Mogelson S, et al. **Biochim Biophys Acta** 1984 Mar 22;798(1):144–8

Comparative study of the sugar chains of gamma-glutamyltranspeptidases purified from rat liver and rat AH-66 hepatoma cells. Yamashita K, et al. **Cancer Res** 1983 Nov;43(11):5059–63

Studies on reconstituted partially purified glycerophosphate acyltransferase from Escherichia coli. Kessels JM, et al. **Eur J Biochem** 1984 Feb 1;138(3):543–9

Part of the 23S RNA located in the 11S RNA fragment is a constituent of the ribosomal peptidyltransferase centre. Barta A, et al. **FEBS Lett** 1983 Nov 14;163(2):319–23

Biosynthesis of penicillin in vitro: part II—purification & properties of 6-aminopenicillanic acid—phenylacetyl-CoA/phenoxyacetyl-CoA transferase. Kogekar RG, et al. **Indian J Biochem Biophys** 1983 Aug; 20(4):208–12

Comparison of 1-acylglycerophosphate and glycerophosphate acyltransferases from Euglena microsomes. Hershenson S, et al. **Int J Biochem** 1984; 16(2):219–23

Purification and characterization of 3-oxoacyl-CoA synthase of Mycobacterium smegmatis. Kikuchi S, et al. **J Biochem (Tokyo)** 1983 Oct;94(4):1045–51

Purification and properties of carnitine octanoyltransferase and carnitine palmitoyltransferase from rat liver. Miyazawa S, et al. **J Biochem (Tokyo)** 1983 Aug;94(2):529–42

Rabbit myocardial lysophospholipase-transacylase. Purification, characterization, and inhibition by endogenous cardiac amphiphiles. Gross RW, et al. **J Biol Chem** 1983 Dec 25;258(24):15165–72

Purification and characterization of succinyl-CoA: tetrahydrodipicolinate N-succinyltransferase from Escherichia coli. Simms SA, et al. **J Biol Chem** 1984 Mar 10;259(5):2734–41

gamma-Glutamylamine cyclotransferase (rabbit kidney). Fink ML, et al. **Methods Enzymol** 1983;94:347–51

METABOLISM

Lysophosphatidylcholine acyltransferase: purification and applications in membrane studies. Deamer DW, et al. **Ann NY Acad Sci** 1983;414:90–6

sn-Glycerol-3-phosphate acyltransferase in a particulate fraction from maturing safflower seeds. Ichihara K. **Arch Biochem Biophys** 1984 Aug 1;232(2):685–98

Acyl coenzyme a:phospholipid acyltransferases in porcine platelets discriminate between omega-3 and omega-6 unsaturated fatty acids. Inoue M, et al. **Arch Biochem Biophys** 1984 May 15;231(1):29–37

Further characterization and regulation of malonyl-coenzyme A: flavonoid glucoside malonyltransferases from parsley cell suspension cultures. Matern U, et al. **Arch Biochem Biophys** 1983 Oct 1; 226(1):206–17

Enzymology of long-chain base synthesis by liver: characterization of serine palmitoyltransferase in rat liver microsomes. Williams RD, et al. **Arch Biochem Biophys** 1984 Jan;228(1):282–91

Crosslinking of uteroglobin by transglutaminase. Manjunath R, et al. **Biochem Biophys Res Commun** 1984 May 31; 121(1):400–7

Activities of the initial enzymes of glycerolipid and sphingolipid synthesis in lung microsomes from rats exposed to air or 85% oxygen. Merrill AH Jr, et al. **Biochem Biophys Res Commun** 1984 Mar 30; 119(3):995–1000

The role of acyl transferase in the biosynthesis of pulmonary microsomal phosphatidylglycerol. Sanford GL, et al. **Biochem Biophys Res Commun** 1983 Oct 14;116(1):23–9

Trapping of electro-injected [14C]sucrose by hepatocyte mitochondria: a mechanism for cellular autofiltration? Tolleshaug H, et al. **Biochem Biophys Res Commun** 1984 Mar 30;119(3):955–61

Influence of temperature on stability and activity of lysolecithin acyltransferase and acyl-CoA hydrolase from rabbit lung. Estrada P, et al. **Biochem Int** 1984 Mar; 8(3):339–46

Localization of carnitine acyltransferases and acyl-CoA beta-oxidation enzymes in small intestinal microperoxisomes (peroxisomes) of normal and clofibrate treated mice. Small GM, et al. **Biochem Int** 1983 Aug; 7(2):263–72

The inhibition of glucose-stimulated insulin secretion by primary amines. A role for transglutaminase in the secretory mechanism. Bungay PJ, et al. **Biochem J** 1984 May 1;219(3):819–27

The effects of low-density lipoprotein and cholesterol on acyl-coenzyme A: cholesterol acyltransferase activity in membranes from cultured human fibroblasts. Gavigan SJ, et al. **Biochem J** 1983 Oct 15;216(1):93–100

Conditions that may result in (de-)phosphorylation of hepatic acyl-CoA:cholesterol acyltransferase result also in

modulation of substrate supply in vitro. Mitropoulos KA, et al. **Biochem J** 1984 Aug 1;221(3):685–95

Effects of vasopressin and corticosterone on fatty acid metabolism and on the activities of glycerol phosphate acyltransferase and phosphatidate phosphohydrolase in rat hepatocytes. Pollard AD, et al. **Biochem J** 1984 Jan 15; 217(2):461–9

Regulation of acyl-coA: cholesterol acyltransferase. Suckling KE. **Biochem Soc Trans** 1983 Dec;11(6):651–3

Transglutaminase activity in pancreatic islets. Gomis R, et al. **Biochim Biophys Acta** 1983 Nov 8;760(3):384–8

Activity of acyl-CoA: cholesterol acyltransferase and 3-hydroxy-3-methylglutaryl-CoA reductase in subfractions of hepatic microsomes enriched with cholesterol. Hashimoto S, et al. **Biochim Biophys Acta** 1983 Nov 29;754(2):126–33

Selectivities of 1-acylglycerophosphorylcholine acyltransferase and acyl-CoA synthetase for n-3 polyunsaturated fatty acids in platelets and liver microsomes. Iritani N, et al. **Biochim Biophys Acta** 1984 May 11;793(3):416–22

Facilitated utilization of endogenously synthesized lysophosphatidic acid by 1-acylglycerophosphate acyltransferase from Escherichia coli. Kessels JM, et al. **Biochim Biophys Acta** 1983 Sep 20;753(2):227–35

Characterization of serine palmitoyltransferase activity in Chinese hamster ovary cells. Merrill AH Jr. **Biochim Biophys Acta** 1983 Dec 20;754(3):284–91

The role of plasma membranes in the transfer of non-esterified cholesterol to the acyl-CoA:cholesterol acyltransferase substrate pool in liver microsomal fraction. Mitropoulos KA, et al. **Biochim Biophys Acta** 1984 Feb 9;792(2):227–37

Interaction of model discoidal complexes of phosphatidylcholine and apolipoprotein A-I with plasma components. Physical and chemical properties of the transformed complexes. Nichols AV, et al. **Biochim Biophys Acta** 1984 May 11;793(3):325–37

Properties of canine myocardial phosphatidylethanolamine N-acyltransferase. Reddy PV, et al. **Biochim Biophys Acta** 1984 Aug 15;795(1):130–6

In vitro regulation of bovine adrenal cortical acyl-CoA: cholesterol acyltransferase and comparison with the rat liver enzyme. Suckling KE, et al. **Biochim Biophys Acta** 1983 Oct 11;753(3):422–9

Mechanism for adaptive modification during cold acclimation of phospholipid acyl chain composition in Tetrahymena. II. Activities of 2-acyl-sn-glycerol-3-phosphorylcholine and 2-acyl-sn-glycerol-3- phosphorylethanolamine acyltransferases involving the reacylation. Yoshioka S, et al. **Biochim Biophys Acta** 1984 Mar 27;793(1):34–41

The acylation of lysophosphatidylcholine in the rat testicular tissue: the combined activity of acyl-CoA synthetase and lysolecithin acyltransferase. Chaudhary LR. **Biochimie** 1982 Mar;64(3):211–7

1-Acyl-lysolecithin acyltransferase and synthesis of biliary lecithins in rat liver. Colard O, et al. **Biochimie** 1984 Mar; 66(3):215–21

The activity of acyl CoA: retinol acyltransferase in the rat: variation with vitamin A status. Rasmussen M, et al. **Br J Nutr** 1984 Mar;51(2):245–53

Pathways for desaturation of oleoyl chains in Candida lipolytica. Ferrante G, et al. **Can J Biochem Cell Biol** 1983 Nov;61(11):1191–6

Effects of glucocorticoid hormones on lipid-synthetic enzymes from different adipose tissue regions and from liver. Lau DC, et al. **Can J Biochem Cell Biol** 1983 Dec; 61(12):1245–50

Cis-diamminedichloroplatinum(II) nephrotoxicity and its relationship to renal gamma-glutamyl transpeptidase and glutathione. Leyland-Jones B, et al. **Cancer Res** 1983 Dec; 43(12 Pt 1):6072–6

Comparison of serine palmitoyltransferase in Morris hepatoma 7777 and rat liver. Williams RD, et al. **Cancer Res** 1984 May;44(5):1918–23

Dietary orotic acid enhances the incidence of gamma-glutamyltransferase positive foci in rat liver induced by chemical carcinogens. Rao PM, et al. **Carcinogenesis** 1983 Dec;4(12):1541–5

Accumulation of unesterified arachidonic acid in ischemic canine myocardium. Relationship to a phosphatidylcholine deacylation-reacylation cycle and the depletion of membrane phospholipids. Chien KR, et al. **Circ Res** 1984 Mar;54(3):313–22

Minimal set of ribosomal components for reconstitution of the peptidyltransferase activity. Schulze H, et al. **EMBO J** 1982;1(5):609–13

Cooperative effects in the peptidyltransferase center of Escherichia coli ribosomes. Bourd SB, et al. **Eur J Biochem** 1983 Oct 3;135(3):465–70

Functional association of a monoacylglycerophosphocholine acyltransferase and the oleoylglycerophosphocholine desaturase in microsomes from developing leaves. Murphy DJ, et al. **Eur J Biochem** 1984 Mar 1;139(2):373–9

Innermembrane association of three mitochondrial beta-oxidation enzymes revealed by immunoelectron microscopic technique. Yokota S, et al. **Histochemistry** 1984;80(6):547–52

Substrate selectivity of lysophosphatidylcholine: lysophosphatidylcholine acyltransferase from rabbit lung. Casals C, et al. **Int J Biochem** 1984;16(7):773–8

A quantitative and qualitative study of the transglutaminase-mediated insertion of polyamines into plasma proteins from patients with bronchopulmonary cancer. Roch AM, et al. **Int J Cancer** 1984 Jun 15; 33(6):787–93

Lysolecithin:lysolecithin acyltransferase from rabbit lung. A conformational study. Arche R, et al. **Int J Pept Protein Res** 1984 May;23(5):487–93

Evidence for multisite growth of Escherichia coli murein involving concomitant endopeptidase and transpeptidase activities. Burman LG, et al. **J Bacteriol** 1983 Oct; 156(1):386–92

Biosynthesis and degradation of gamma-glutamyltranspeptidase of rat kidney. Matsuda Y, et al. **J Biochem (Tokyo)** 1983 Sep;94(3):755–65

The action of virginiamycin M on the acceptor, donor, and catalytic sites of peptidyltransferase. Chinali G, et al. **J Biol Chem** 1984 Aug 10;259(15):9563–8

Catalytic and structural properties of the dihydrolipoyl transacylase component of bovine branched-chain alpha-keto acid dehydrogenase. Chuang DT, et al. **J Biol Chem** 1984 Jul 25;259(14):9277–84

Hepatic monoacylglycerol acyltransferase. Characterization of an activity associated with the suckling period in rats. Coleman RA, et al. **J Biol Chem** 1984 Jul 25;259(14):8934–8

Rat liver dihydroxyacetone-phosphate acyltransferases and their contribution to glycerolipid synthesis. Declercq PE, et al. **J Biol Chem** 1984 Jul 25;259(14):9064–75

Structural features of glutamine substrates for transglutaminases. Role of extended interactions in the specificity of human plasma factor XIIIa and of the guinea pig liver enzyme. Gorman JJ, et al. **J Biol Chem** 1984 Jul 25;259(14):9007–10

A genetic storage disorder in BALB/C mice with a metabolic block in esterification of exogenous cholesterol. Pentchev PG, et al. **J Biol Chem** 1984 May 10;259(9):5784–91

Turnover of fatty acids in the 1-position of phosphatidylethanolamine in Escherichia coli. Rock CO. **J Biol Chem** 1984 May 25;259(10):6188–94

The arrangement and role of some of the amino acid residues in the beta-ketoacyl synthetase site of chicken liver fatty acid synthetase. Stoops JK, et al. **J Biol Chem** 1983 Oct 25;258(20):12482–6

Regulation of acylcoenzyme A. Cholesterol acyltransferase and 3-hydroxy-3-methylglutaryl coenzyme A reductase activity by lipoproteins in the intestine of parabiont rats. Purdy BH, et al. **J Clin Invest** 1984 Aug;74(2):351–7

Localization and possible activation mechanisms of transglutaminase in the skin. Negi M. **J Dermatol (Tokyo)** 1983 Apr;10(2):109–17

Transglutaminase activity in human and rabbit ear comedogenesis: a histochemical study. De Young L, et al. **J Invest Dermatol** 1984 Mar;82(3):275–9

Report on the American Society of Biological Chemists satellite conference on Regulation of Intracellular Cholesterol Esterification. Erickson SK. **J Lipid Res** 1984 Apr;25(4):411–5

Regulation of acyl CoA:cholesterol acyltransferase by 25-hydroxycholesterol in rabbit intestinal microsomes and absorptive cells. Field FJ, et al. **J Lipid Res** 1983 Aug; 24(8):1049–59

Cholesterol absorption in rat intestine: role of cholesterol esterase and acyl coenzyme A:cholesterol acyltransferase. Gallo LL, et al. **J Lipid Res** 1984 Jun;25(6):604–12

Role of acyl CoA:cholesterol acyltransferase in cholesterol absorption and its inhibition by 57-118 in the rabbit. Heider JG, et al. **J Lipid Res** 1983 Sep;24(9):1127–34

Utilization of different fatty acyl-CoA thioesters by serine palmitoyltransferase from rat brain. Merrill AH Jr, et al. **J Lipid Res** 1984 Feb;25(2):185–8

N-arylhydroxamic acid N,O-acyltransferase. Positional requirements for the substrate hydroxyl group. Banks RB, et al. **J Med Chem** 1983 Dec;26(12):1780–4

Activities of arginase, transamidinase, and ornithine aminotransferase in glia, neurons, and synaptosomes. Swamy M, et al. **J Neurosci Res** 1983;10(4):363–8

Alterations in creatine kinase, ornithine decarboxylase, and transglutaminase during muscle regeneration. Sadeh M, et al. **Life Sci** 1984 Jan 30;34(5):483–8

The dietary regulation of acyltransferase and desaturase activities in microsomal membranes of rat liver. Pugh EL, et al. **Lipids** 1984 Jan;19(1):48–55

Effect of griseofulvin treatment and neoplastic transformation on transglutaminase activity in mouse liver. Denk H, et al. **Liver** 1984 Jun;4(3):208–13

Transglutaminase catalyzed incorporation of putrescine into surface proteins of mouse neuroblastoma cells. Chen KY. **Mol Cell Biochem** 1984;58(1-2):91–7

Beta-adrenergic receptor internalization and processing: role of transglutaminase and lysosomes. Chuang DM. **Mol Cell Biochem** 1984;58(1-2):79–89

Transglutaminase and receptor-mediated endocytosis in macrophages and cultured fibroblasts. Davies PJ, et al. **Mol Cell Biochem** 1984;58(1-2):69–77 (78 ref.)

Isopeptide bond formation in epidermis. Kubilus J, et al. **Mol Cell Biochem** 1984;58(1-2):129–37

Cross-linking of fibronectin to collagenous proteins. Mosher DF. **Mol Cell Biochem** 1984;58(1-2):63–8

Epidermal and hair follicle transglutaminases and crosslinking in skin. Peterson LL, et al. **Mol Cell Biochem** 1984; 58(1-2):99–111 (56 ref.)

Transglutaminase-mediated cross-linking in mammalian epidermis. Rothnagel JA, et al. **Mol Cell Biochem** 1984; 58(1-2):113–9

Methylamine and islet function: possible relationship to Ca2+-sensitive transglutaminase. Sener A, et al. **Mol Cell Endocrinol** 1984 Jul;36(3):175–80

Identification of a site on 23S ribosomal RNA located at the peptidyl transferase center. Barta A, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(12):3607–11

Keratolinin: the soluble substrate of epidermal transglutaminase from human and bovine tissue. Zettergren JG, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(1):238–42

Rat intestinal acyl coenzyme A: cholesterol acyl transferase properties and location. Gallo LL, et al. **Proc Soc Exp Biol Med** 1984 Oct;177(1):188–96

Cholesterol esterification by mammary gland microsomes from the lactating rat. Ross AC, et al. **Proc Soc Exp Biol Med** 1984 May;176(1):42–7

Transglutaminase activation: significance with respect to immunologic phenomena. Fésüs L. **Surv Immunol Res** 1982; 1(4):297–304 (27 ref.)

Increased epidermal transglutaminase activity following 2,3,7,8-tetrachlorodibenzo-p-dioxin: in vivo and in vitro studies with mouse skin. Puhvel SM, et al. **Toxicol Appl Pharmacol** 1984 Mar 30;73(1):42–7

[Effect of human dystrophic muscle cytosol on liver microsome diglyceride acylation in the rat] Kunze D, et al. **Z Med Lab Diagn** 1984;25(2):98–103 (Eng. Abstr.) **(Ger)**

[Interaction of substrates and substrate-like inhibitors with the peptidyltransferase center from Escherichia coli ribosomes] Kukhanova MK, et al. **Mol Biol (Mosk)** 1984 May-Jun;18(3):691–703 (Eng. Abstr.) **(Rus)**

[Inhibitors of beta-oxidation of fatty acids (review)] Kendysh IN. **Vopr Med Khim** 1984 Mar-Apr;30(2):18–27 (63 ref.) **(Rus)**

[Lipoprotein X and lecithin: cholesterol acyltransferase (LCAT) in cholestasis] Oravec S, et al. **Rozhl Chir** 1984 Mar;63(3):183–8 (Eng. Abstr.) **(Slo)**

PHYSIOLOGY

Acyltransferase-catalyzed cleavage of arachidonic acid from phospholipids and transfer to lysophosphatides in macrophages derived from bone marrow. Comparison of different donor- and acceptor substrate combinations. Flesch I, et al. **Eur J Biochem** 1984 Mar 15;139(3):431–7

Detection of epsilon(gamma-glutamyl) lysine. Griffin M, et al. **Mol Cell Biochem** 1984;58(1-2):37–49

Transglutaminases. Lorand L, et al. **Mol Cell Biochem** 1984; 58(1-2):9–35 (139 ref.)

Human alpha 2 macroglobulin. van Leuven F. **Mol Cell Biochem** 1984;58(1-2):121–8

Transglutaminases and the clotting of mammalian seminal fluids. Williams-Ashman HG. **Mol Cell Biochem** 1984; 58(1-2):51–61

ADAMANTANE

ANALOGS & DERIVATIVES

Combined interferon-alpha 2, rimantadine hydrochloride, and ribavirin inhibition of influenza virus replication in vitro. Hayden FG, et al. **Antimicrob Agents Chemother** 1984 Jan;25(1):53–7

Treatment of intracranial dengue virus infections in mice with a lipophilic derivative of ribavirin. Koff WC, et al. **Antimicrob Agents Chemother** 1983 Jul;24(1):134–6

Safety of prolonged administration of rimantadine hydrochloride in the prophylaxis of influenza A virus infections in nursing homes. Patriarca PA, et al. **Antimicrob Agents Chemother** 1984 Jul;26(1):101–3

Purification of the membrane-spanning tryptic peptides of the alpha polypeptide from sodium and potassium ion activated adenosinetriphosphatase labeled with 1-tritiospiro[adamantane-4,3'-diazirine]. Nicholas RA. **Biochemistry** 1984 Feb 28;23(5):888–98

CNDO/2 molecular orbital calculations on the antifolate DAMP and some related species: structural geometries, ring distortions, change distributions and conformational characteristics. Welsh WJ, et al. **Cancer Biochem Biophys** 1983 Dec;7(1):27–38

The effects of amantadine, rimantadine and levodopa on the frequency of fibrillation potentials in denervated muscle. Yaar I. **Electroencephalogr Clin Neurophysiol** 1984 Feb; 57(2):174–7

Dansylcadaverine and rimantadine inhibition of phagocytosis, PAF-acether release, and phosphatidylcholine synthesis in human polymorphonuclear leukocytes. Garcia Gil M, et al. **Immunopharmacology** 1983 Dec;6(4):317–25

Identification of hydrophobic regions of the calcium-transport ATPase from sarcoplasmic reticulum after photochemical labeling with adamantane diazirine. Farley RA. **Int J Biochem** 1983;15(12):1423–7

[New organized approach to rendering medical services to patients during influenza outbreak] Romanov IuA, et al. **Ter Arkh** 1984;56(1):127–8 **(Rus)**

[Efficacy of remantadin in influenza B] Smagulov KZ, et al. **Ter Arkh** 1983;55(9):140–2 (Eng. Abstr.) **(Rus)**

[Effect of remantadine on the course of influenzal infection in immunosuppressed mice] Alavidze MO, et al. **Vopr Virusol** 1983 Nov-Dec;28(6):726–8 (Eng. Abstr.) **(Rus)**

[Effectiveness of remantadine in outpatients during a period of epidemic outbreaks of influenza A and B] Leonov VM,

et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Jan;(1):82–5 (Eng. Abstr.) **(Rus)**

ANALYSIS

Protection against X-irradiation by some orally administered compounds. Vos O, et al. **Int J Radiat Biol** 1984 May; 45(5):479–86

PHARMACODYNAMICS

'In vivo' variations in serum interferon levels produced by antiviral compounds. Minguez F, et al. **Chemotherapy** 1983; 29(5):362–7

ADAMANTINOMA see AMELOBLASTOMA

ADAMS-STOKES SYNDROME

COMPLICATIONS

[Apnea or convulsions following periods of heart block] Formijne P. **Ned Tijdschr Geneeskd** 1984 Jul 28; 128(30):1442–5 **(Dut)**

[Complete atrioventricular block caused by rheumatic myocarditis and complicated by a Morgagni–Adams–Stokes attack in an adult hyperthyroid patient. Discussion of a clinical case and review of the literature] Tampieri E, et al. **Minerva Cardioangiol** 1984 Jun;32(6):421–6 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Aneurysm of anterior communicating artery masquerading as Adams–Stokes disease. Edwards A, et al. **Br Med J [Clin Res]** 1984 Aug 11;289(6441):370–1

ETIOLOGY

[Viral myocarditis associated with complete heart block and Adams–Stokes attacks] Cui GG. **Chung Hua Nei Ko Tsa Chih** 1983 Jun;22(6):348–51 (Eng. Abstr.) **(Chi)**

[Glossopharyngeal neuralgia as a cause of Adams–Stokes attacks] Bellinder G, et al. **Lakartidningen** 1983 Aug 31; 80(35):3101–2 **(Swe)**

HISTORY

The first description of syncopal attacks in heart block. Mušič D, et al. **PACE** 1984 Mar;7(2):301–3

PHYSIOPATHOLOGY

[Evaluation of the state of cardiodynamics in patients with artificial pacemaker] Zhelnov VV, et al. **Kardiologiia** 1983 Nov;23(11):27–31 (Eng. Abstr.) **(Rus)**

THERAPY

Anaesthesia for caesarean section and the Jervell, Lange–Nielson syndrome (prolonged Q–T interval syndrome). Freshwater JV. **Br J Anaesth** 1984 Jun; 56(6):655–7

[Successful transesophageal stimulation of heart ventricles in a case of complete atrioventricular block with attacks of Adams–Stokes syndrome] Dwornikiewicz W, et al. **Pol Tyg Lek** 1983 Nov 28;38(48):1513–4 (Eng. Abstr.) **(Pol)**

[Programmed electric stimulation in a pregnant woman with mitral valve defect and ventricular arrhythmia with bradycardia] Krzyś T, et al. **Wiad Lek** 1984 Feb 1; 37(3):223–6 (Eng. Abstr.) **(Pol)**

ADAPTATION, BIOLOGICAL

Adaptive significance of the Indian caste system: an ecological perspective. Gadgil M, et al. **Ann Hum Biol** 1983 Sep–Oct;10(5):465–77

Thermal adaptation of Tetrahymena membranes with special reference to mitochondria. II. Preferential interaction of cardiolipin with specific molecular species of phospholipid. Ohki K, et al. **Biochim Biophys Acta** 1984 Feb 15; 769(3):563–70

Coevolution of functionally constrained characters: prerequisites for adaptive versatility. Wagner GP. **Biosystems** 1984;17(1):51–5

Origins and development of adaptation. **Ciba Found Symp** 1984;102:1–273

Relative fitness and the stability of resistance. **Ciba Found Symp** 1984;102:94–9

Plant–plant interactions. Bell EA. **Ciba Found Symp** 1984; 102:40–51

Insect–plant interactions: endocrine defences. Bowers WS. **Ciba Found Symp** 1984;102:119–37

Adaptation of plants to soils containing toxic metals—a test for conceit. Bradshaw AD. **Ciba Found Symp** 1984;102:4–19

Adaptation of plants to mineral stress in problem soils. Foy CD. **Ciba Found Symp** 1984;102:20–39

Adaptation of fungi to fungitoxic compounds. Georgopoulos SG. **Ciba Found Symp** 1984;102:190–203

Evolution of herbicide-resistant weeds. Gressel J. **Ciba Found Symp** 1984;102:73–93

Adaptation of plants to atmospheric pollutants. Hutchinson TC. **Ciba Found Symp** 1984;102:52–72

Phytoalexins and disease resistance mechanisms from a perspective of evolution and adaptation. Kuć J. **Ciba Found Symp** 1984;102:100–18

Adaptation of insects to insecticides. Sawicki RM, et al. **Ciba Found Symp** 1984;102:152–66

Insect—plant adaptations. Southwood TR. **Ciba Found Symp** 1984;102:138–51

Growth and reproductive adaptation in male rats with chronic protein deficiency. Glass AR, et al. **J Androl** 1984 Mar–Apr;5(2):99–102

Babesia divergens in splenectomised rats. Phillips RS. **Res Vet Sci** 1984 Mar;36(2):251–5

Neuroendocrinological adaptations in some tropical earthworms. Prasad O, et al. **Z Mikrosk Anat Forsch** 1984; 98(2):302–12

[Biomechanics from the aspect of the management theory of biosystems] Petrýl M, et al. **Acta Chir Orthop Traumatol Cech** 1984 Feb;51(1):12–9 (Eng. Abstr.) **(Cze)**

[Adaptation to malaria in 18th century Chinese sources] Rosner E. **Sudhoffs Arch** 1984;68(1):43–60 (Eng. Abstr.) **(Ger)**

[Morphological findings and functional considerations on the structural adaptation of colonic grafts on the rat stomach] Ratto GB, et al. **Minerva Med** 1983 Oct 6;74(38):2227–36 (Eng. Abstr.) **(Ita)**

ADAPTATION, OCULAR

Chromatic adaptation and the blue-green side of the color triangle. Fry GA. **Am J Optom Physiol Opt** 1983 Dec; 60(12):970–6

Effects of vision-restricting 'polypeepers' on the behaviour of laying hens during adaptation, feeding, on general activity, agonistic behaviour and pecking damage. Arbi A, et al. **Br Poult Sci** 1983 Jul;24(3):371–81

Adaptive sensitivity of the surround mechanism of cat retinal ganglion cells. Robertson TW, et al. **Exp Brain Res** 1983; 52(3):449–54

Mathematical models of readaptation of human vision after exposure to short flashes. Kolbanov VV, et al. **Hum Physiol** 1983 Jul–Aug;9(4):274–7

Spatial adaptation of the cortical visual evoked potential of the cat. Bonds AB. **Invest Ophthalmol Vis Sci** 1984 Jun; 25(6):640–6

Light adaptation in cells of macaque lateral geniculate nucleus and its relation to human light adaptation. Virsu V, et al. **J Neurophysiol** 1983 Oct;50(4):864–78

Improvements in visual performance following a pulsed field of light: a test of the equivalent-background principle. Bowen RW, et al. **J Opt Soc Am** 1983 Nov;73(11):1551–6

Spatial-frequency adaptation affects spatial-probability summation. Williams DW, et al. **J Opt Soc Am** 1983 Oct; 73(10):1367–71

Role of local adaptation in the fading of stabilized images. Burbeck CA, et al. **J Opt Soc Am [A]** 1984 Feb;1(2):216–20

Mesopic luminous-efficiency functions for various adapting levels. Yaguchi H, et al. **J Opt Soc Am [A]** 1984 Jan; 1(1):120–3

Spatial contrast adaptation characteristics of neurones recorded in the cat's visual cortex. Albrecht DG, et al. **J Physiol (Lond)** 1984 Feb;347:713–39

Effects of extracellular calcium and of light adaptation on the response to dim light in honey bee drone photoreceptors. Raggenbass M. **J Physiol (Lond)** 1983 Nov; 344:525–48

Short-term adaptation to the induced effect. Lee DY, et al. **Ophthalmic Physiol Opt** 1983;3(2):129–35

Adaptation of tonic accommodation. Schor CM, et al. **Ophthalmic Physiol Opt** 1984;4(2):133–7

Preoperative prism adaptation in acquired esotropia. Scott WE, et al. **Ophthalmologica** 1984;189(1–2):49–53

Stimulus structure in visual persistence: an examination of selective adaptation effects on phenomenal continuity. Burns B. **Percept Mot Skills** 1984 Apr;58(2):663–70

Cone response latency and log sensitivity: proportional changes with light adaptation. Drum B. **Vision Res** 1984; 24(4):323–31

Spatial selectivity of contrast adaptation: models and data. Georgeson MA, et al. **Vision Res** 1984;24(7):729–41

Rhodopsin and visual adaptation: analysis of photoreceptor thresholds in the isolated skate retina. Pepperberg DR. **Vision Res** 1984;24(4):357–66

Color perception under chromatic adaptation: 'supersensitivity' with dim backgrounds. Shevell SK, et al. **Vision Res** 1984;24(5):491–5

Adaptive processes controlling sensitivity of short-wave cone pathways to different spatial frequencies. Stromeyer CF 3d, et al. **Vision Res** 1984;24(8):827–34

Light adaptation of primate cones: an analysis based on extracellular data. Valeton JM, et al. **Vision Res** 1983; 23(12):1539–47

Photoreceptor light adaptation models: an evaluation. Valeton JM. **Vision Res** 1983;23(12):1549–54

Evidence for both photopic and scotopic characteristics in the c-wave of chicken and frog ERG. Wioland N, et al. **Vision Res** 1984;24(2):91–8

[Experimental design for the study of adaptive properties of the visuo-manual system in subjects newly provided with optic corrections] Mandelbrojt P, et al. **J Fr Ophtalmol** 1984;7(2):157–65 (Eng. Abstr.) **(Fre)**

[Objective electrophysiological determination of the scotopic and photopic spectral sensitivity of the human eye through Fourier interferometric stimulation] Adamczyk R, et al. **Fortschr Ophthalmol** 1983;80(6):488–91 (Eng. Abstr.) **(Ger)**

[Monochromatic ERG responses in congenital color perception defects. Spectral characteristics with selective chromatic adaptations] Uji Y, et al. **Nippon Ganka Gakkai Zasshi** 1984 Mar;88(3):532–9 (Eng. Abstr.) **(Jpn)**

[Regulation of intraocular pressure during a long voyage] Ponomarchuk VS, et al. **Oftalmol Zh** 1983;38(4):225–8 (Eng. Abstr.) **(Rus)**

[Ophthalmoscopic characteristics of healthy full-term infants during early postnatal adaptation] Alieva KhM. **Pediatriia** 1984 Apr;(4):50–1 **(Rus)**

[Pituitary macrosomia and light sensitivity of the eye] Novokhatskiĭ AS, et al. **Vrach Delo** 1984 Jan;(1):93–5 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

[Effects of cyaninoside chloride and Heleniene on mesopic and scotopic vision in myopia and night blindness] Solé P, et al. **J Fr Ophtalmol** 1984;7(1):35–9 (Eng. Abstr.) **(Fre)**

ADAPTATION, PHYSIOLOGICAL

Rapid adaptations of serum thyrotrophin, triiodothyronine and reverse triiodothyronine levels to short-term starvation and refeeding. Hugues JN, et al. **Acta Endocrinol (Copenh)** 1984 Feb;105(2):194–9

Impulse firing in the slowly adapting stretch receptor neurone of lobster and its numerical simulation. Gestrelius S, et al. **Acta Physiol Scand** 1983 Jul;118(3):253–61

Time characteristics and potential dependence of early and late adaptation in the crustacean stretch receptor. Swerup C, et al. **Acta Physiol Scand** 1983 Sep;119(1):91–9

On the ionic mechanisms of adaptation in an isolated mechanoreceptor —an electrophysiological study. Swerup C. **Acta Physiol Scand [Suppl]** 1983;520:1–43

Species adaptation in a protein molecule. Perutz MF. **Adv Protein Chem** 1984;36:213–44 (133 ref.)

Patterns of human atrioventricular nodal accommodation to a sudden acceleration of atrial rate. Lehmann MH, et al. **Am J Cardiol** 1984 Jan 1;53(1):71–6

Decreased contractility after myocardial hypertrophy: cardiac failure or successful adaptation? Swynghedauw B, et al. **Am J Cardiol** 1984 Aug 1;54(3):437–40

Renal potassium adaptation in the rat: role of glucocorticoids and aldosterone. Adam WR, et al. **Am J Physiol** 1984 Mar; 246(3 Pt 2):F300–8

Glucoregulatory and metabolic responses to heat exposure in rats. Chayoth R, et al. **Am J Physiol** 1984 Jun;246(6 Pt 1):E465–70

Renal adaptation to phosphate load in the acutely thyroparathyroidectomized rat: rapid alteration in brush border membrane phosphate transport. Cheng L, et al. **Am J Physiol** 1984 Apr;246(4 Pt 2):F488–94

Influence of thermal acclimation on glucose production and ketogenesis in isolated eel hepatocytes. Jankowsky D, et al. **Am J Physiol** 1984 Apr;246(4 Pt 2):R471–8

High-altitude adaptation and maximum work performance. Johnson ES, et al. **Am J Physiol** 1984 Apr;246(4 Pt 2):R619–23

Adaptive regulation of sugar and amino acid transport by vertebrate intestine. Karasov WH, et al. **Am J Physiol** 1983 Oct;245(4):G443–62 (196 ref.)

Effect of age on the adaptive response of the adult temporomandibular joint. A study of induced protrusion in Macaca mulatta. Hinton RJ, et al. **Angle Orthod** 1984 Apr;54(2):154–62

Stress response of the tibial cortex: a longitudinal radiographic study. Kuusela T, et al. **Ann Clin Res** 1984; 16 Suppl 40:14–6

Photoprotective adaptation. Some quantitative aspects. Nonaka S, et al. **Arch Dermatol** 1984 May;120(5):609–12

Cephalometric analysis of adaptations after lengthening of the masseter muscle in adult rhesus monkeys, Macaca mulatta. Carlson DS, et al. **Arch Oral Biol** 1983; 28(7):627–37

Adaptation to laboratory and wild animals of the haemorrhagic fever with renal syndrome virus present in the foci of European U.S.S.R. Brief report. Gavrilovskaya IN, et al. **Arch Virol** 1983;77(1):87–90

Adaptation to irregularity of rest and activity. Nicholson AN, et al. **Aviat Space Environ Med** 1984 Feb;55(2):102–12

Morphine catalepsy as an adaptive reflex state in rats. De Ryck M, et al. **Behav Neurosci** 1984 Apr;98(2):243–61

Adaptation. Waterlow JC. **Bibl Nutr Dieta** 1983;(33):152–64 (36 ref.)

Ornithine decarboxylase activity in embryos depends on temperature of development rather than on the stage of development. Molecular adaptation to temperature changes in poikilothermic animals. Neyfakh AA, et al. **Biochem J** 1983 Dec 15;216(3):597–604

Biochemical and physiological adaptation to chronic propranolol treatment in the rat. Cramb G, et al. **Biochem Pharmacol** 1984 Jun 15;33(12):1969–76

Adaptive responses of fish membranes to altered environmental temperature. Cossins AR. **Biochem Soc Trans** 1983 Aug;11(4):332–3

Adaptive changes in membrane-transport systems of hibernators. Ellory JC, et al. **Biochem Soc Trans** 1983 Aug;

11(4):330–2
Adaptive changes in the lipids of higher-plant membranes. Harwood JL. **Biochem Soc Trans** 1983 Aug;11(4):343–6
Adaptive changes in yeast membranes: catabolite repression and oxygen. Lloyd D, et al. **Biochem Soc Trans** 1983 Aug; 11(4):339–40
Models for adaptive changes in cell membranes. Quinn PJ. **Biochem Soc Trans** 1983 Aug;11(4):329–30
Adaptation to temperature in bacterial membranes. Russell NJ. **Biochem Soc Trans** 1983 Aug;11(4):333–5
Changes in thermal phase transition of various membranes during temperature acclimation in Tetrahymena. Nakayama H, et al. **Biochim Biophys Acta** 1984 Jan 25;769(2):311–6
Auditory adaptation: notes on power and parabolic curve fitting across intensity and time. I. Balzer G, et al. **Br J Audiol** 1984 Feb;18(1):49–50
Binaural phase differences and binaural auditory adaptation. Bowers J, et al. **Br J Audiol** 1984 Feb;18(1):51–4
The effect of meal-feeding and food restriction on body composition, food utilization and intestinal adaptation in light-breed chicks. Nitsan Z, et al. **Br J Nutr** 1984 Jan; 51(1):101–9
The pelvis as a passageway. I. Evolution and adaptations. Stewart DB. **Br J Obstet Gynaecol** 1984 Jul;91(7):611–7
Adaptation to jejunoileal bypass promotes experimental colorectal carcinogenesis. Bristol JB, et al. **Br J Surg** 1984 Feb;71(2):123–6
Relative effects of ileal resection and bypass on intestinal adaptation and carcinogenesis. Rainey JB, et al. **Br J Surg** 1984 Mar;71(3):197–202
Photomechanical responses of visual receptors in the retina of the bullfrog (Rana catesbeiana). Grigonis AM, et al. **Brain Behav Evol** 1983;22(4):212–22
Adaptive plasticity in the primate spinal stretch reflex: reversal and re-development. Wolpaw JR. **Brain Res** 1983 Nov 14;278(1-2):299–304
The evaluation of mechanism of seamen's adaptation to voyage conditions by the method of multidimensional statistical analysis. Sten'ko YM, et al. **Bull Inst Marit Trop Med Gdynia** 1982;33(3–4):133–6
The Kroc Foundation Conference on Functional Adaptation in Bone Tissue. **Calcif Tissue Int** 1984;36 Suppl 1:S1–161
Mechanical loading histories and cortical bone remodeling. Carter DR. **Calcif Tissue Int** 1984;36 Suppl 1:S19–24
Functional adaptation of the human locomotor system to normal and abnormal loading patterns. Poss R. **Calcif Tissue Int** 1984;36 Suppl 1:S155–61
Skeletal strain and the functional significance of bone architecture. Rubin CT. **Calcif Tissue Int** 1984;36 Suppl 1:S11–8
Heart rate and QT interval in subjects adapted to beta-blockade: bradycardia and hypotension as uncorrelated adaptations. Birkhead JS, et al. **Cardiovasc Res** 1983 Nov;17(11):649–55
Adaptation of the cardiac muscle sodium pump to chronic potassium deficiency. Ward JP, et al. **Cardiovasc Res** 1984 May;18(5):257–63
Heterogeneity in circadian phase shifting of some liver variables in altered light-dark cycle. Bhattacharya RD. **Cell Mol Biol** 1983;29(6):483–7
Adaptation of canine saphenous veins to grafting. Correlation of contractility and contractile protein content. Seidel CL, et al. **Circ Res** 1984 Jul;55(1):102–9
The QT interval during reflex cardiovascular adaptation. Davidowski TA, et al. **Circulation** 1984 Jan;69(1):22–5
In vivo and in vitro CO2 titration curves in the rabbit: adaptation to hypercapnic conditions. Bar-Ilan A, et al. **Comp Biochem Physiol [A]** 1984;78(2):217–20
Adaptations to hypercapnic conditions in the nutria (Myocastor coypus)—in vivo and in vitro CO2 titration curves. Bar-Ilan A, et al. **Comp Biochem Physiol [A]** 1983; 75(4):603–8
Environmental adaptation of proteins: strategies for the conservation of critical functional and structural traits. Somero GN. **Comp Biochem Physiol [A]** 1983;76(3):621–33 (44 ref.)
Influence of nutrition on biochemical sea water adaptation of the rainbow trout (Salmo gairdneri richardson). Jürss K, et al. **Comp Biochem Physiol [B]** 1983;75(4):713–7
Drought and freezing tolerance and adaptation in plants: some evidence of near equivalences. Siminovitch D, et al. **Cryobiology** 1983 Aug;20(4):487–503
Does intrinsic LES tone increase as an adaptive response to increased intraabdominal pressure? [editorial] Boyle JT, et al. **Dig Dis Sci** 1984 Aug;29(8):760–1
Pulmonary function adaptation to ozone in subjects with chronic bronchitis. Kulle TJ, et al. **Environ Res** 1984 Jun; 34(1):55–63
Antioxidant system and ozone tolerance. Nambu Z, et al. **Environ Res** 1983 Oct;32(1):111–7
Adaptive response of mammalian skeletal muscle to exercise with high loads. McDonagh MJ, et al. **Eur J Applied Physiol** 1984;52(2):139–55 (101 ref.)
Temporal bone adaptations in response to protrusive function in juvenile and young adult rhesus monkeys (Macaca mulatta). Hinton RJ, et al. **Eur J Orthod** 1984 Aug; 6(3):155–74
Influence of lesion of the limbic-hypothalamic system on metabolic responses of acetate to daily repeated cold exposures in rabbits. Seto K, et al. **Exp Clin Endocrinol** 1983 Nov;82(3):275–84
Changes in pituitary and plasma levels of MSH in teleosts during physiological colour change. Baker BI, et al. **Gen Comp Endocrinol** 1984 Jul;55(1):142–9
Increases in plasma melatonin titers accompanying seawater adaptation of coho salmon (Oncorhynchus kisutch). Gern W, et al. **Gen Comp Endocrinol** 1984 Sep;55(3):458–62
Thyroid and adrenal responses of ducks (Anas platyrhynchos) during saline adaptation. Harvey S, et al. **Gen Comp Endocrinol** 1984 Jul;55(1):46–53
Long-term adaptation in hearing impaired ears. Abbas PJ. **Hear Res** 1984 Apr;14(1):29–38
Endocrine differences between the Wistar and Sprague-Dawley laboratory rat: influence of cold adaptation. Kühn ER, et al. **Horm Metab Res** 1983 Oct; 15(10):491–8
Effects of adaptation on the mechanical efficiency and energy cost of physical work. Bunc V, et al. **Hum Nutr Clin Nutr** 1984 Jul;38(4):317–9
Ways of increasing human resistance to acute hypoxia. Agadzhanyan NA, et al. **Hum Physiol** 1983 Jul–Aug; 9(4):217–23
Correlation between parameters of the cardiac rhythm and physical working capacity in man during adaptation to high mountain hypoxia. Akhmedov KYu, et al. **Hum Physiol** 1982 Nov-Dec;8(6):421–7
Reactions of the principal physiological systems of children aged 6–12 years during adaptation to schoolwork. Antropova MV. **Hum Physiol** 1983 Jan-Feb;9(1):1–7
The human temperature adaptation functional system. Maksimovich VA. **Hum Physiol** 1983 Jul–Aug;9(4):235–8
Adaptation of the heart to chronic high-mountain hypoxia. Mirrakhimov MM, et al. **Hum Physiol** 1982 Nov-Dec; 8(6):417–20
Biorhythmological criteria of nonspecific adaptiveness. Moiseeva NI. **Hum Physiol** 1982 Nov-Dec;8(6):446–51
Regulation of the cardiac rhythm in children with bronchial asthma exposed to high-altitude conditions in a pressure chamber. Moskvichev OK. **Hum Physiol** 1982 Nov-Dec; 8(6):428–31
Microvascular adaptation in the cerebral cortex of adult spontaneously hypertensive rats. Harper SL, et al. **Hypertension** 1984 May-Jun;6(3):408–19
The development of thermotolerance in hyperthermal injury to the villus compartment of mouse small intestine. Hume SP, et al. **Int J Radiat Biol** 1984 May;45(5):439–47
Adaptive response in human skeletal muscle subjected to prolonged eccentric training. Fridén J, et al. **Int J Sports Med** 1983 Aug;4(3):177–83
Recovering from long-term and short-term adaptation of the whole nerve action potential. Abbas PJ. **J Acoust Soc Am** 1984 May;75(5):1541–7
Time course of adaptation and recovery of channels selectively sensitive to frequency and amplitude modulation. Tansley BW, et al. **J Acoust Soc Am** 1983 Sep; 74(3):765–75
Selective adaptation to linear frequency-modulated sweeps: evidence for direction-specific FM channels? Wakefield GH, et al. **J Acoust Soc Am** 1984 May;75(5):1588–92
The constructs 'stress' and 'coping' as a rationale for nursing activities. Clarke M. **J Adv Nurs** 1984 May;9(3):267–75
Adaptations of quadriplegic men to consecutively loaded breaths. Axen K. **J Appl Physiol** 1984 Apr;56(4):1099–103
Adaptations of skeletal muscle to endurance exercise and their metabolic consequences. Holloszy JO, et al. **J Appl Physiol** 1984 Apr;56(4):831–8 (59 ref.)
Adaptations to a high-fat diet that increase exercise endurance in male rats. Miller WC, et al. **J Appl Physiol** 1984 Jan;56(1):78–83
Adaptive responses of rats trained with reductions in exercise heart rate. Mullin WJ, et al. **J Appl Physiol** 1984 May; 56(5):1378–82
Metabolic acids and [H+] regulation in brain tissue during acclimatization to chronic hypoxia. Musch TI, et al. **J Appl Physiol** 1983 Nov;55(5):1486–95
Adaptive changes in the femur after implantation of an Austin Moore prosthesis. Murphy SB, et al. **J Bone Joint Surg [Am]** 1984 Mar;66(3):437–43
Evidence for the participation of a melanin-concentrating hormone in physiological colour change in the eel. Gilham ID, et al. **J Endocrinol** 1984 Aug;102(2):237–43
Effects of background adaptation on the pituitary and plasma concentrations of some pro-opiomelanocortin-related peptides in the rainbow trout (Salmo gairdneri). Rodrigues KT, et al. **J Endocrinol** 1984 Jun;101(3):277–84
Acclimation of the euryhaline toad Bufo viridis to hyperosmotic solution (NaCl, urea and mannitol). Katz U, et al. **J Exp Biol** 1984 Jan;108:403–9
Modifying an underlying component of perceived arm length: adaptation of tactile location induced by spatial discordance. Craske B, et al. **J Exp Psychol [Hum Percept]** 1984 Apr;10(2):307–17
More adaptation of speech by nonspeech. Kat D, et al. **J Exp Psychol [Hum Percept]** 1984 Aug;10(4):512–25
Individual differences in adapting to shift work. Sen RN, et al. **J Hum Ergol (Tokyo)** 1982;11 Suppl:57–65
Adaptation to shiftwork: fact or fallacy? Tepas DI. **J Hum Ergol (Tokyo)** 1982;11 Suppl:1–12
The cocoon-producing cells of Eisenia foetida (Annelida, Oligochaeta): a histochemical and ultrastructural study. Morris GM. **J Morphol** 1983 Jul;177(1):41–50
Adaptive plasticity in primate spinal stretch reflex: initial development. Wolpaw JR, et al. **J Neurophysiol** 1983 Dec; 50(6):1296–311
Adaptive plasticity in primate spinal stretch reflex: behavior of synergist and antagonist muscles. Wolpaw JR, et al. **J Neurophysiol** 1983 Dec;50(6):1312–9
Effect of casein versus casein hydrolysate on mucosal adaptation following massive bowel resection in infant rats. Vanderhoof JA, et al. **J Pediatr Gastroenterol Nutr** 1984 Mar;3(2):262–7
Amitriptyline and femoxetine, but not clomipramine or citalopram, antagonize hyperthermia induced by directly acting 5-hydroxytryptamine-like drugs in heat adapted rats. Pawłowski L. **J Pharm Pharmacol** 1984 Mar; 36(3):197–9
Milk production and consumption and growth of young of wild mice after ten generations in a cold environment. Barnett SA, et al. **J Physiol (Lond)** 1984 Jan;346:409–17
Discharge patterns of the slowly adapting mechanoreceptor afferent units innervating the non-warty skin of the frog. Ogawa H, et al. **Jpn J Physiol** 1984;34(2):255–67
Hypothesis: human cysticercosis is an adaptational advantage of Taenia solium rather than an error of phylogenetic evolution. Lopez-Hernandez A. **Med Hypotheses** 1984 Mar;13(3):355–6
Cardiovascular adaptation to weightlessness. Blomqvist CG. **Med Sci Sports Exerc** 1983;15(5):428–31
Maintenance of the adaptation of skeletal muscle mitochondria to exercise in old rats. Young JC, et al. **Med Sci Sports Exerc** 1983;15(3):243–6
Early renal brush border membrane adaptation to dietary phosphorus. Levine BS, et al. **Miner Electrolyte Metab** 1984;10(4):222–7
Retinal light adaptation—evidence for a feedback mechanism. Tranchina D, et al. **Nature** 1984 Jul 26–Aug 1;310(5975):314–6
Central short-term cold adaptation in the guinea-pig. Hinckel P, et al. **Pflugers Arch** 1983 Aug;398(3):259–61
Blood volume changes and arginine vasotocin (AVT) blood concentration in conscious fresh water and salt water adapted ducks. Simon-Oppermann C, et al. **Pflugers Arch** 1984 Feb;400(2):151–9
Effect of prolonged exposure to nicotine and stress on the pituitary-adrenocortical response; the possibility of cross-adaptation. Cam GR, et al. **Pharmacol Biochem Behav** 1984 Feb;20(2):221–6
Evaluation criteria of the hyperthyroid patients' adaptability to effort. Tulea E, et al. **Physiologie** 1983 Apr-Jun; 20(2):81–3
Effect of environmental stressors on male reproduction. Edens FW. **Poult Sci** 1983 Aug;62(8):1676–89 (94 ref.)
Human muscle adaptations to chronic hypoxia. Boutellier U, et al. **Prog Clin Biol Res** 1983;136:273–85
International high altitude expedition to Chile, 1935. Dill DB. **Prog Clin Biol Res** 1983;136:201–4
Perspectives on functional adaptation of the high altitude native. Frisancho AR. **Prog Clin Biol Res** 1983;136:383–407 (66 ref.)
Altitude adaptation: organisms without lungs. Rahn H. **Prog Clin Biol Res** 1983;136:345–63 (26 ref.)
The French scientific expedition to Numbur, autumn 1981. Richalet JP. **Prog Clin Biol Res** 1983;136:189–95
Endothelial cell function in hypoxic environments: contributions to circulatory adjustments to high altitude. Stalcup SA, et al. **Prog Clin Biol Res** 1983;136:111–24 (13 ref.)
Fine structure of primary afferent axon terminals of slowly adapting cutaneous receptors in the cat. Bannatyne BA, et al. **Q J Exp Physiol** 1984 Jul;69(3):547–57
Fine structure of primary afferent axon terminals projecting from rapidly adapting mechanoreceptors of the toe and foot pads of the cat. Maxwell DJ, et al. **Q J Exp Physiol** 1984 Apr;69(2):381–92
Monoamine neurotransmitter metabolism during acclimatization to hypoxia in rats. Olson EB Jr, et al. **Respir Physiol** 1983 Oct;54(1):79–96
The adaptability of the house mouse. Bronson FH. **Sci Am** 1984 Mar;250(3):116–25
A note on adaptation of Anopheles annularis Van Der Wulp, Kanchanaburi, Thailand to free mating in a 30 X 30 X 30 cm cage. Choochote W, et al. **Southeast Asian J Trop Med Public Health** 1983 Dec; 14(4):559–60
Cellular adaptation in metal toxicology and metallothionein. Cherian MG, et al. **Toxicology** 1983 Sep;28(1-2):1–15 (86 ref.)
Changes in the antigenic specificity of influenza hemagglutinin in the course of adaptation to mice. Gitelman AK, et al. **Virology** 1984 Apr 15;134(1):230–2
Physiological studies of exocrine pancreatic secretion in conscious rats. 6th communication: steady-state adaptation to different food composition. Haberich FJ, et al. **Z Gastroenterol** 1984 May;22(5):259–67
Nitrate-induced orthostatic hypotension and long-term circulatory adaptation. Häussinger G, et al. **Z Kardiol** 1983; 72 Suppl 3:255–8
[Functional adaptation of the wrist after arthrodesis] Kundrát J, et al. **Acta Chir Orthop Traumatol Cech** 1984 Apr; 51(2):103–9 (Eng. Abstr.) **(Cze)**
[Adaptation of the intestine following extensive small intestine resection] Engels LG, et al. **Ned Tijdschr Geneeskd** 1983 Nov 5;127(45):2054–7 **(Dut)**
[Mechanisms of compensation. Basis for the surgical treatment of congenital nystagmus] Spielmann A. **Bull Mem Soc Fr Ophtalmol** 1983;95:272–8 **(Fre)**

[Cardiovascular adaptation as a function of the intensity and duration of training of young women] Massicotte DR, et al. **Can J Appl Sport Sci** 1983 Dec;8(4):260–5 (Eng. Abstr.) **(Fre)**

[Metabolic adaptations to prolonged fasting in birds] Le Maho Y. **J Physiol (Paris)** 1984;79(2):113–9 (Eng. Abstr.) **(Fre)**

[Mechanisms of adaptation and compensation in the rat head after alteration of the arterial system] Köster D, et al. **Anat Anz** 1984;156(4):329–36 (Eng. Abstr.) **(Ger)**

[Remarks on the physiology and physiopathology of aging] Fliedner TM. **Onkologie** 1984 Apr;7(2):68–81 (33 ref.) **(Ger)**

[Circulatory adaptation of the newborn infant immediately post partum by bilocal measurement of transcutaneous PCO2] Schmidt S, et al. **Z Geburtshilfe Perinatol** 1984 Jan–Feb;188(1):21–3 (Eng. Abstr.) **(Ger)**

[Morphological assessment of the adaptation process in the small intestine after jejunoileostomy for extreme obesity] Tuszewski M, et al. **Zentralbl Chir** 1984;109(5):309–18 (Eng. Abstr.) **(Ger)**

[The relationship between body sway and human foot placement angle] Takigawa H, et al. **Nippon Eiseigaku Zasshi** 1983 Dec;38(5):853–62 (Eng. Abstr.) **(Jpn)**

[Effect of dietary phosphorus on phosphate, calcium and magnesium homeostasis. Possible role of renal adaptation mechanism] Nagasawa M. **Nippon Jinzo Gakkai Shi** 1984 Jan;26(1):39–50 (Eng. Abstr.) **(Jpn)**

[Compensatory hypertrophy of the parathyroid glands in rats] Pavlov AV. **Arkh Anat Gistol Embriol** 1983 Dec; 85(12):75–81 (Eng. Abstr.) **(Rus)**

[Changes in the structural components of the thymus gland with different degrees of adaptation of the body to physical loads] Tkachuk MG. **Arkh Anat Gistol Embriol** 1984 May; 86(5):80–4 (Eng. Abstr.) **(Rus)**

[Adaptive changes in the myocardium of rats under periodic cooling] Cherniaev AL, et al. **Biull Eksp Biol Med** 1984 May;97(5):531–4 (Eng. Abstr.) **(Rus)**

[Monoamine oxidase activity in autonomic ganglia of rabbits with differing resistance of cardiovascular functions to emotional stress] Gorbunova AV, et al. **Biull Eksp Biol Med** 1983 Oct;96(10):111–3 (Eng. Abstr.) **(Rus)**

[Prevention of cardiac contractile function disorders during prolonged stress by preliminary adaptation to short-term stress exposure] Meerson FZ, et al. **Biull Eksp Biol Med** 1983 Dec;96(12):25–8 (Eng. Abstr.) **(Rus)**

[Animal sensitivity to the diabetogenic action of alloxan during cold adaptation] Shorin IuP, et al. **Biull Eksp Biol Med** 1984 Aug;97(8):240–2 (Eng. Abstr.) **(Rus)**

[Principles of liver cellular adaptation in opisthorchiasis] Ginovker AG, et al. **Dokl Akad Nauk SSSR** 1984; 276(4):959–61 **(Rus)**

[Neurohumoral regulation of immune homeostasis during adaptation to extreme loads in a modern sports model] Kassil' GN, et al. **Dokl Akad Nauk SSSR** 1984;275(2):506–9 **(Rus)**

[Prevention of depression of the natural killer activity and myocardial contractile function during long-term stress by using preliminary body adaptation to short stress exposures] Meerson FZ, et al. **Dokl Akad Nauk SSSR** 1984 Jan–Feb; 274(1):241–3 **(Rus)**

[Genetic variability of the influenza virus during adaptation to a new host] Shilov AA, et al. **Dokl Akad Nauk SSSR** 1984;274(5):1217–20 **(Rus)**

[Metabolism of xenobiotics in the liver in acute hypoxia of intact mice and mice adapted to oxygen deficiency] Grek OR, et al. **Farmakol Toksikol** 1984 Jan–Feb;47(1):98–101 (Eng. Abstr.) **(Rus)**

[Physiological resistance of man to ergothermal exposures] Maksimovich VA. **Fiziol Zh** 1983 Jul–Aug;29(4):444–9 (Eng. Abstr.) **(Rus)**

[Adrenal cortical and ovarian functions of healthy inhabitants and iron-deficiency anemia patients in an arid zone adapting to mountain conditions] Reznikov AG, et al. **Fiziol Zh** 1984 Jul–Aug;30(4):498–502 **(Rus)**

[Effect of cold adaptation on the transmission of excitation in a myoneural synapse] Belousova GP. **Fiziol Zh SSSR** 1984 Mar;70(3):326–30 (Eng. Abstr.) **(Rus)**

[Thermoregulatory activity of the motor neuron pool in the rat adapted to cold and hypoxia] Sorokina LV, et al. **Fiziol Zh SSSR** 1984 Jan;70(1):75–80 (Eng. Abstr.) **(Rus)**

[The striatonigral dopaminergic system and its role in adaptive conditioned reflex behavior] Suvorov NF, et al. **Fiziol Zh SSSR** 1984 May;70(5):594–600 (Eng. Abstr.) **(Rus)**

[Role of the sympathetic nervous system in adaptive changes in brain energy metabolism during ischemia and in the postischemic period] Teplov SI, et al. **Fiziol Zh SSSR** 1984 May;70(5):692–700 (Eng. Abstr.) **(Rus)**

[Effect of various methods of temperature adaptation on thermogenesis in the white rat] Vymiatnina ZK, et al. **Fiziol Zh SSSR** 1984 Jan;70(1):87–90 **(Rus)**

[Rapid adaptation of the response to static stretching of the primary endings of the elementary dynamic type of muscle spindles] Zalkind VI. **Fiziol Zh SSSR** 1984 Feb; 70(2):149–56 (Eng. Abstr.) **(Rus)**

[Properties of fast-adapting receptors of the lungs in the cat] Zhdanov VA. **Fiziol Zh SSSR** 1983 Sep;69(9):1216–23 (Eng. Abstr.) **(Rus)**

[Circulatory system function in rural schoolchildren in the process of adapting to the school load] Berenshtein GF, et al. **Gig Sanit** 1983 Aug;(8):89 (9 ref.) **(Rus)**

[Functional status of the cardiovascular system during adaptation to exposure to industrial factors] Izmallova ND, et al. **Gig Sanit** 1984 Mar;(3):17–9 (Eng. Abstr.) **(Rus)**

[Health assessment of the biological effects of oxygen deficiency in the environment] Shandala MG, et al. **Gig Sanit** 1983 Sep;(9):65–7 **(Rus)**

[Adaptation and compensation as qualitatively different states] Alekseeva OG. **Gig Tr Prof Zabol** 1983 Dec; (12):23–6 (Eng. Abstr.) **(Rus)**

[Characteristics of the processes of adapting to the occupational activities of a city bus driver] Valsman AI, et al. **Gig Tr Prof Zabol** 1983 Dec;(12):19–23 (Eng. Abstr.) **(Rus)**

[Prevention of disorders of myocardial contractile function under stress by the preliminary adaptation of animals to physical load] Meerson FZ, et al. **Kardiologiia** 1984 Jun; 24(6):19–23 (Eng. Abstr.) **(Rus)**

[Adaptive reactions of the body and changes in them after surgical treatment of cancer of the lung] Kletke GE, et al. **Klin Khir** 1984 May;(5):17–9 (Eng. Abstr.) **(Rus)**

[Gas exchange and physical work capacity of natives of different geographical regions] Agadzhanian NA, et al. **Kosm Biol Aviakosm Med** 1984 May–Jun;18(3):65–8 (Eng. Abstr.) **(Rus)**

[Diurnal dynamics of the indices of the functional state of monkeys during hypokinesia and readaptation] Kolpakova NF, et al. **Kosm Biol Aviakosm Med** 1984 May–Jun; 18(3):38–43 (Eng. Abstr.) **(Rus)**

[Effectiveness of training animals to adapt to hypoxia during sleep] Malkin VB, et al. **Kosm Biol Aviakosm Med** 1984 Mar–Apr;18(2):67–70 (Eng. Abstr.) **(Rus)**

[Adaptive effects of repeated immersion exposure on the human body] Shul'zhenko EB, et al. **Kosm Biol Aviakosm Med** 1984 Mar–Apr;18(2):57–9 (Eng. Abstr.) **(Rus)**

[Effect of contact lenses on the protein composition of tears] Tolokol'nikov AV, et al. **Oftalmol Zh** 1983;38(4):201–3 (Eng. Abstr.) **(Rus)**

[Mechanisms of the adaptive reorganization of erythrocyte energy metabolism in acute blood loss] Mikashinovich ZI. **Patol Fiziol Eksp Ter** 1984 Mar–Apr;(2):12–5 (Eng. Abstr.) **(Rus)**

[Steroid hormone dynamics in cold adaptation of rats of different inbred strains] Gerlinskaia LA, et al. **Probl Endokrinol (Mosk)** 1984 Jul–Aug;30(4):63–6 (Eng. Abstr.) **(Rus)**

[Hormonal support for the processes of long-term adaptation of the female body to northern latitudes] Shvareva NV. **Probl Endokrinol (Mosk)** 1984 Jul–Aug;30(4):25–31 (Eng. Abstr.) **(Rus)**

[Hygienic aspects of youth work brigades] Kalaĭkova P, et al. **Probl Khig** 1983;8:138–43 (Eng. Abstr.) **(Rus)**

[Immunological resistance and adaptational reactions to hardiness training against cold] Nogaller AM, et al. **Sov Med** 1984;(1):92–5 **(Rus)**

[Adaptational and structural changes in the hypertrophied myocardium] Shakhlamov VA, et al. **Sov Med** 1984;(6):3–7 (Eng. Abstr.) **(Rus)**

[Compensatory-adaptive restructuring of the masticatory apparatus and its role in the process of adapting to complete removable dentures] Krishtab SI, et al. **Stomatologiia (Mosk)** 1983 Sep–Oct;62(5):70–2 (Eng. Abstr.) **(Rus)**

[Patient adaptation to a new bite height in repeated prosthetic treatment] Oskol'skiĭ GI. **Stomatologiia (Mosk)** 1984 Mar–Apr;63(2):59–60 (Eng. Abstr.) **(Rus)**

[Effect of long-term adaptation of rats to hypoxia on the proliferation of bone marrow erythroid cells. I. An increase in cell flows and a decrease in the duration of mitosis] Gushchin VA, et al. **Tsitologiia** 1984 Feb;26(2):215–23 (Eng. Abstr.) **(Rus)**

[Concept of the adaptive norm for populations and the problem of outbreeding] Altukhov IuP. **Vestn Akad Med Nauk SSSR** 1984;(7):16–21 (22 ref.) (Eng. Abstr.) **(Rus)**

[Mechanisms of the regulation and adaptation of energy metabolism during aging] Bogatskaia LN, et al. **Vestn Akad Med Nauk SSSR** 1984;(3):30–6 (Eng. Abstr.) **(Rus)**

[Dynamics of the morphological changes in the nasal mucosa of experimental animals adapting to high altitude] Rostovshchikova AS, et al. **Vestn Akad Med Nauk SSSR** 1983;(11):54–60 (4 ref.) **(Rus)**

[Physiological characteristics of human readaptation to high temperature] Kovalenko VP, et al. **Voen Med Zh** 1984 Jul; (7):40–2 **(Rus)**

[Physiologo-medical evaluation of regimens of preliminary heat adaptation] Novozhilov GN, et al. **Voen Med Zh** 1983 Nov;(11):36–8 **(Rus)**

[Various immunological mechanisms of the adaptation of sailors to voyages at low latitudes] Sapov IA, et al. **Voen Med Zh** 1983 Nov;(11):44–5 **(Rus)**

[Assessment of the adaptive autoregulation of heart rate during active orthostatic testing] Zhevzhik AI, et al. **Voen Med Zh** 1983 Oct;(10):43–5 **(Rus)**

[Effect of the climatic factors of the central highlands on the adaptation mechanisms of healthy people] Briukhovetskiĭ AG, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Jan–Feb;(1):51–3 **(Rus)**

[Microcirculation in ischemic heart disease patients during adaptation and treatment in a central highlands area] Bykhovskiĭ VM. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Jan–Feb;(1):9–11 (Eng. Abstr.) **(Rus)**

[Cold-adapted strain of A/Leningrad/134/47/57 (H2N2)—a special attenuation donor of live influenza vaccine for children and the isolation of its recombinants] Garmashova LM, et al. **Vopr Virusol** 1984 Jan–Feb;29(1):28–31 (Eng. Abstr.) **(Rus)**

[Molecular genetic analysis of a cold-adapted donor attenuation strain for a pediatric liver influenza vaccine, of recombinants based on it and of isolates from vaccinated children] Gendon IuZ, et al. **Vopr Virusol** 1984 Jan–Feb; 29(1):22–8 (Eng. Abstr.) **(Rus)**

[Adaptation to food in digestive disorders] Rafes IuI. **Vrach Delo** 1983 Jun;(6):77–80 (Eng. Abstr.) **(Rus)**

[Situational and homeokinetic analysis and the individualization of therapy] Shifrin GA, et al. **Vrach Delo** 1984 Feb;(2):77–80 (Eng. Abstr.) **(Rus)**

[Elaboration and preservation of defensive conditioned reflexes in the rat after different periods of adaptation to physical loading] Boev VM. **Zh Vyssh Nerv Deiat** 1983 Nov–Dec;33(6):1148–50 **(Rus)**

[Formation, fixation and reproduction of temporary connections during adaptation to physical loading] Meerson FZ, et al. **Zh Vyssh Nerv Deiat** 1983 Sep–Oct;33(5):847–52 (Eng. Abstr.) **(Rus)**

[Migration to the valleys (adaptation to life in the lowlands)] Ryn Z. **Actas Luso Esp Neurol Psiquiatr** 1983 Jul–Aug; 11(4):329–32 **(Spa)**

[Morphometric analysis of compensating hypertrophy after resection of the small intestine in the rat] Collantes Pérez J, et al. **Rev Esp Enferm Apar Dig** 1984 May;65(5):391–400 (Eng. Abstr.) **(Spa)**

[Effects of gastrin in compensating hypertrophy after resection of the small intestine] Vázquez Gallego JM, et al. **Rev Esp Enferm Apar Dig** 1984 May;65(5):401–12 (Eng. Abstr.) **(Spa)**

[Echocardiographic study in athletes] Vicuña JP, et al. **Rev Med Chil** 1983 Feb;111(2):134–7 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Nifedipine and the conditioning response. Dudley DJ, et al. **Am J Cardiol** 1984 Mar 15;53(7):908–11

Effect of beta-receptor blockade on the development of resistance to trauma in rats. Asoh T, et al. **Circ Shock** 1983; 11(3):195–9

Neurotoxicants and adaptive responses of the nervous system. Introductory remarks. Tilson HA, et al. **Fed Proc** 1983 Dec; 42(15):3189–90

No adaptogen response of mice to ginseng and Eleutherococcus infusions. Lewis WH, et al. **J Ethnopharmacol** 1983 Aug;8(2):209–14

[Social equivalents of the biological protective-adaptive mechanisms of animals and pharmacology] Zheliazkov D. **Eksp Med Morfol** 1984;23(1):1–8 **(Bul)**

[Activation characteristics of ouabain-sensitive respiration and Na,K-ATPase in the kidney cortex and medullary zone of rats adapted to cold] Medvedev LN, et al. **Biol Nauki** 1984;(7):18–23 (Eng. Abstr.) **(Rus)**

[Neurochemical components of the compensatory reorganization of the cortical portion of the somatosensory analyzer] Dybovskiĭ AP, et al. **Dokl Akad Nauk SSSR** 1983; 272(5):1273–6 **(Rus)**

[Disorder in compensation for the sequelae of delabyrinthation in exposure to a hyperbaric nitrogen-oxygen mixture] Zagriadskiĭ VP, et al. **Dokl Akad Nauk SSSR** 1983;272(6):1506–9 **(Rus)**

[Sensitivity of skin cold receptors to noradrenaline in control and cold-adapted rats] Kozyreva TV, et al. **Fiziol Zh SSSR** 1984 Mar;70(3):331–8 (Eng. Abstr.) **(Rus)**

[Adaptation of the body to air pollutants (using the example of phenol)] Fadeeva VK, et al. **Gig Sanit** 1983 Jun;(6):10–3 (Eng. Abstr.) **(Rus)**

[Effect of long-term obzidan administration on hypoxic resistance and thrombocyte aggregation in rats adapting to moderate altitude (1600 m)] Aliev MA, et al. **Kosm Biol Aviakosm Med** 1983 Jul–Aug;17(4):88–90 **(Rus)**

[Effect of Eleutherococcys extract on the readaptation processes after 7-hour hypokinesia in rats] Khasina EI, et al. **Kosm Biol Aviakosm Med** 1983 Sep–Oct;17(5):55–8 (Eng. Abstr.) **(Rus)**

[Increase in tolerance to hard contact lenses by using solcoseryl] Egorova GB. **Oftalmol Zh** 1983;38(4):198–200 (Eng. Abstr.) **(Rus)**

ADAPTATION, PSYCHOLOGICAL

see related

SOCIAL ADJUSTMENT

Self-healing strategies among schizophrenics: attempts at compensation for basic disorders. Böker W, et al. **Acta Psychiatr Scand** 1984 May;69(5):373–8

Coping with a threat to life: a longitudinal study of

self-concept, social support, and psychological distress. Hobfoll SE, et al. **Am J Community Psychol** 1984 Feb; 12(1):87–100

Context and coping: toward a unifying conceptual framework. Moos RH. **Am J Community Psychol** 1984 Feb; 12(1):5–36

Resources, life events, and changes in psychological states: a prospective framework. Murrell SA, et al. **Am J Community Psychol** 1983 Oct;11(5):473–91

Toward a multi-method approach to assessing the effects of social support. Sandler IN, et al. **Am J Community Psychol** 1984 Feb;12(1):37–52

Parents' adaptation to early diagnosis of sex chromosome anomalies. Puck MH, et al. **Am J Med Genet** 1983 Sep; 16(1):71–9

Adaptation of families with mentally retarded children: a model of stress, coping, and family ecology. Crnic KA, et al. **Am J Ment Defic** 1983 Sep;88(2):125–38

A canonical correlation between adaptive and maladaptive aspects of adaptive behavior. Roszkowski MJ, et al. **Am J Ment Defic** 1983 Sep;88(2):225–8

Adaptive behavior of mentally retarded adults in work-preparation settings. Salagaras S, et al. **Am J Ment Defic** 1984 Jan;88(4):437–41

Wisconsin Behavior Rating Scale: measure of adaptive behavior for the developmental levels of 0 to 3 years. Song A, et al. **Am J Ment Defic** 1984 Jan;88(4):401–10

The postadoption experience of surrendering parents. Deykin EY, et al. **Am J Orthopsychiatry** 1984 Apr;54(2):271–80

Role behavior and psychological well-being: a comparison of men in one-job and two-job families. Keith PM, et al. **Am J Orthopsychiatry** 1984 Jan;54(1):137–45

Response patterns in children and adolescents exploited through sex rings and pornography. Burgess AW, et al. **Am J Psychiatry** 1984 May;141(5):656–62

Combat adaptations of Vietnam veterans without posttraumatic stress disorders. Hendin H, et al. **Am J Psychiatry** 1984 Aug;141(8):956–9

Narcolepsy: preliminary retrospective study of psychiatric and psychosocial aspects. Krishnan RR, et al. **Am J Psychiatry** 1984 Mar;141(3):428–31

Health-specific family coping index for noninstitutional care. Choi T, et al. **Am J Public Health** 1983 Nov;73(11):1275–7

Measurement of family progress in coping with health problems. Highriter ME. **Am J Public Health** 1983 Nov; 73(11):1248–50

Support for mastectomy. A clinical nursing research study. Lierman LM. **AORN J** 1984 Jun;39(7):1150–7

Self-control in psychotic disorders. Breier A, et al. **Arch Gen Psychiatry** 1983 Oct;40(10):1141–5

Post-hysterectomy adaptation: a review and report of two follow-up studies. Singh B, et al. **Aust NZ J Psychiatry** 1983 Sep;17(3):227–35

Anxiety and coping behavior during an emergency landing. Götestam B, et al. **Behav Modif** 1983 Oct;7(4):569–75

Predictability and coping with separation in infant squirrel monkeys. Jordan TC, et al. **Behav Neurosci** 1984 Jun; 98(3):556–60

Cues, consequences and therapeutic talk: effects of social context and coping statements on pain. Hayes SC, et al. **Behav Res Ther** 1984;22(4):385–92

The Fear-Avoidance Model of exaggerated pain perception—II. Slade PD, et al. **Behav Res Ther** 1983; 21(4):409–16

A Boolean complete neural model of adaptive behavior. Hampson S, et al. **Biol Cybern** 1983;49(1):9–19

An instrument for measuring coping behaviours in hospitalized alcoholics: implications for relapse prevention treatment. Litman GK, et al. **Br J Addict** 1983 Sep; 78(3):269–76

Psychological adjustment to coronary artery surgery. Ramshaw JE, et al. **Br J Clin Psychol** 1984 May;23 (Pt 2):101–8

Pre-operation indicators and post-hysterectomy outcome. Tsoi MM, et al. **Br J Clin Psychol** 1984 May;23 (Pt 2):151–2

The continuum of pre- and post-bereavement grieving. Bourke MP. **Br J Med Psychol** 1984 Jun;57 (Pt 2):121–5

Personal construct theory and psychological well-being. Button E. **Br J Med Psychol** 1983 Dec;56 (Pt 4):313–21

The impact of care-giving on care-givers: factors associated with the psychological well-being of people supporting a dementing relative in the community. Gilhooly ML. **Br J Med Psychol** 1984 Mar;57 (Pt 1):35–44

Type A behaviour and self-reports of coping preferences. Vingerhoets AJ, et al. **Br J Med Psychol** 1984 Mar;57 (Pt 1):15–21

Psychological response to amputation as a function of age and time since amputation. Frank RG, et al. **Br J Psychiatry** 1984 May;144:493–7

Sick role, illness behaviour and coping [editorial] Mayou R. **Br J Psychiatry** 1984 Mar;144:320–2

Learned helplessness: the role of individual differences in learned resourcefulness. Rosenbaum M, et al. **Br J Soc Psychol** 1983 Sep;22 (Pt 3):215–25

Psychological complications of dialysis. Psychonephrology to the rescue. Levy NB. **Bull Menninger Clin** 1984 May; 48(3):237–50

On becoming blind while a medical student. Yakovishin VM. **Can Med Assoc J** 1984 Sep 1;131(5):503–4

Methodology in behavior and psychosocial cancer research. Some issues in the study of coping. Singer JE. **Cancer** 1984 May 15;53(10 Suppl):2303–15

The role of recollected anxiety in parental adaptation to low birthweight infants. Philipp C. **Child Psychiatry Hum Dev** 1983 Summer;13(4):239–48

Silly questions and straight answers about adoption. Pufki PM. **Child Today** 1983 Jul–Aug;12(4):11–4

When the baby doesn't come home. Shwartz D. **Child Today** 1984 Mar–Apr;13(2):21–4

When transplantation is not the answer. Wilson PG. **Clin Exp Dial Apheresis** 1983;7(4):325–33

Past psychiatric symptoms and the response to sexual assault. Frank E, et al. **Compr Psychiatry** 1981 Sep–Oct; 22(5):479–87

The reliving experience in Vietnam veterans with posttraumatic stress disorder. Hendin H, et al. **Compr Psychiatry** 1984 Mar–Apr;25(2):165–73

Coping with fertility in Israel: a case study of culture clash. Basker E. **Cult Med Psychiatry** 1983 Jun;7(2):199–211

Coping with predictable crises of diabetes. Hamburg BA, et al. **Diabetes Care** 1983 Jul–Aug;6(4):409–16 (42 ref.)

Optimal insulin delivery in adolescents with diabetes: impact of intensive treatment on psychosocial adjustment. Rudolf MC, et al. **Diabetes Care** 1982 May–Jun;5 Suppl 1:53–7

Psychologic adaptation of children to epilepsy in a parent. Lechtenberg R, et al. **Epilepsia** 1984 Feb;25(1):40–5

Effects of career adaptive behavior activities in mentally handicapped students. Canonico A, et al. **Except Child** 1984 Apr;50(6):545–6

The experience of myocardial infarction as a threat to one's personal adequacy. Viswanathan R, et al. **Gen Hosp Psychiatry** 1984 Jan;6(1):83–9

Stresses and coping in ICU nursing: why support groups fail. Weiner MF, et al. **Gen Hosp Psychiatry** 1983 Sep; 5(3):179–83

Confidants and well-being: a note on male friendship in old age. Keith PM, et al. **Gerontologist** 1984 Jun;24(3):318–20

Stress and caring for elderly relatives: interpretations and coping strategies in an American Indian and white sample. Strong C. **Gerontologist** 1984 Jun;24(3):251–6

Life change: adjusting to continuous ambulatory peritoneal dialysis. Brey H, et al. **Health Soc Work** 1983 Summer; 8(3):203–9

Perceived adequacy of patient education and fears and adjustments after cardiac surgery. Stanton BA, et al. **Heart Lung** 1984 Sep;13(5):525–31

Helping families cope with Alzheimer's disease. Teusink JP, et al. **Hosp Community Psychiatry** 1984 Feb;35(2):152–6

Modal logic: a new paradigm of development and late-life potential. Chinen AB. **Hum Dev** 1984;27(1):42–56

Coping and drug misuse intervention [editorial] Einstein S. **Int J Addict** 1984 Feb;19(1):iii–vii

Enhancing decision behavior in high school 'smokers'. Lotecka L, et al. **Int J Addict** 1983 May;18(4):479–90

Is reminiscence adaptive? Relations among social activity level, reminiscence, and morale. Brennan PL, et al. **Int J Aging Hum Dev** 1983–84;18(2):99–110

Differential aging: an exploratory approach using cluster analysis. Ford G, et al. **Int J Aging Hum Dev** 1983–84; 18(2):141–57

Weight reduction after gastroplasty: the predictive value of surgical, metabolic, and psychological variables. Olsson SA, et al. **Int J Obes** 1984;8(3):245–58

Coping with transplant failure: grief vs. denial. Streltzer J, et al. **Int J Psychiatry Med** 1983–84;13(2):97–106

Adult status of mildly retarded past-pupils from special education. II: Social adaptation. Toomey JF, et al. **Int J Rehabil Res** 1983 Sep;6(3):301–12

Stillbirth: the mother's view. Brady T, et al. **Ir Med J** 1984 May;77(5):133–9

The psychological study of chronically ill and disabled children: are healthy siblings appropriate controls? Breslau N. **J Abnorm Child Psychol** 1983 Sep;11(3):379–91

Stress, coping, and depression among married couples. Mitchell RE, et al. **J Abnorm Psychol** 1983 Nov; 92(4):433–48

The management of schizophrenic patients: the nurses' view. Berkowitz R, et al. **J Adv Nurs** 1984 Jan;9(1):23–33

Stress and coping: constructs for nursing. Clarke M. **J Adv Nurs** 1984 Jan;9(1):3–13

Adaptation in chronic illness: an eclectic model for nurses. Craig HM, et al. **J Adv Nurs** 1983 Sep;8(5):397–404

Hysterectomy: a study in coping with recovery. Webb C, et al. **J Adv Nurs** 1983 Jul;8(4):311–9

Perceived sources of stress and coping strategies in allied health students: a model. Francis KT, et al. **J Allied Health** 1983 Nov;12(4):262–72

Dental anxiety: the patient's point of view. Rankin JA, et al. **J Am Dent Assoc** 1984 Jul;109(1):43–7

The effect of coping statements on progress through a desensitization hierarchy. Hayes SC, et al. **J Behav Ther Exp Psychiatry** 1983 Jun;14(2):117–29

Mental health and female sterilization. Report of a WHO collaborative prospective study. **J Biosoc Sci** 1984 Jan; 16(1):1–21

Spouse-assistants' adjustment to home hemodialysis. Lowry MR, et al. **J Chronic Dis** 1984;37(4):293–300

Coping with chronic illness: strategy preferences, changes in preferences and associated emotional reactions. Viney LL, et al. **J Chronic Dis** 1984;37(6):489–502

The influence of intelligence on coping style selection. Bailey LA, et al. **J Clin Psychol** 1983 Nov;39(6):901–8

Thought-induced change in phobic beliefs: sometimes it helps, sometimes it hurts. Leone C. **J Clin Psychol** 1984 Jan;40(1):68–71

Emotional strategies and their relationship to complaints of psychosomatic and neurotic symptoms. Ogden JA, et al. **J Clin Psychol** 1984 May;40(3):772–9

Psychological and academic adjustment in adopted children. Brodzinsky DM, et al. **J Consult Clin Psychol** 1984 Aug; 52(4):582–90

Coping with chronic illness: a study of illness controllability and the influence of coping strategies on psychological adjustment. Felton BJ, et al. **J Consult Clin Psychol** 1984 Jun;52(3):343–53

Relocation of institutionalized elderly. Nirenberg TD. **J Consult Clin Psychol** 1983 Oct;51(5):693–701

Helplessness and resourcefulness in coping with epilepsy. Rosenbaum M, et al. **J Consult Clin Psychol** 1984 Apr; 52(2):244–53

The structure of psychological distress and well-being in general populations. Veit CT, et al. **J Consult Clin Psychol** 1983 Oct;51(5):730–42

Social stressors as antecedents of change. Chiriboga DA. **J Gerontol** 1984 Jul;39(4):468–77

Methodological issues in estimating main and interactive effects: examples from coping/social support and stress field. Finney JW, et al. **J Health Soc Behav** 1984 Mar; 25(1):85–98

Stress, personal coping resources, and psychiatric symptoms: an investigation of interactive models. Wheaton B. **J Health Soc Behav** 1983 Sep;24(3):208–29

Consequences of living in a hair-trigger alert era. Louria DB. **J Med Soc NJ** 1983 Aug;80(8):627–30

Experience of the mothers of Down's syndrome and spina bifida children on going home from hospital in Scotland 1971–1981. Murdoch JC. **J Ment Defic Res** 1984 Jun;28 (Pt 2):123–7

Social relationships, knowledge and adjustment to multiple sclerosis. Maybury CP, et al. **J Neurol Neurosurg Psychiatry** 1984 Apr;47(4):372–6

Spinal cord injury: psychological adaptation. Stanton GM. **J Neurosurg Nurs** 1983 Oct;15(5):306–9

Coping with pediatric leukemia: a two-year follow-up. Kupst MJ, et al. **J Pediatr Psychol** 1984 Jun;9(2):149–63

The discrepant repressor: differentiation between low anxiety, high anxiety, and repression of anxiety by autonomic-facial-verbal patterns of behavior. Asendorpf JB, et al. **J Pers Soc Psychol** 1983 Dec;45(6):1334–46

Coping, stress, and social resources among adults with unipolar depression. Billings AG, et al. **J Pers Soc Psychol** 1984 Apr;46(4):877–91

Toward an integrative approach to the study of stress. Fleming R, et al. **J Pers Soc Psychol** 1984 Apr;46(4):939–49

Personal control and stress and coping processes: a theoretical analysis. Folkman S. **J Pers Soc Psychol** 1984 Apr;46(4):839–52

Situational determinants of coping responses: loss, threat, and challenge. McCrae RR. **J Pers Soc Psychol** 1984 Apr; 46(4):919–28

Locus of control, cognitive appraisal, and coping in stressful episodes. Parkes KR. **J Pers Soc Psychol** 1984 Mar; 46(3):655–68

Coping with job stress and burnout in the human services. Shinn M, et al. **J Pers Soc Psychol** 1984 Apr;46(4):864–76

Effects of severe daily events on mood. Stone AA, et al. **J Pers Soc Psychol** 1984 Jan;46(1):137–44

Attributions, beliefs about control, and adjustment to breast cancer. Taylor SE, et al. **J Pers Soc Psychol** 1984 Mar; 46(3):489–502

Depression, guilt, and self-management of pleasant and unpleasant events. Wertheim EH, et al. **J Pers Soc Psychol** 1983 Oct;45(4):884–9

Effect of relaxation training on personal adjustment and perceptions of organizational climate. Aderman M, et al. **J Psychol** 1983 Nov;115(2d Half):185–91

An inpatient educational group on stress & coping. Hoover RM, et al. **J Psychosoc Nurs Ment Health Serv** 1984 Jun; 22(6):17–22

Vietnam. The human fallout. Mullis MR. **J Psychosoc Nurs Ment Health Serv** 1984 Feb;22(2):27–31

Being gay. Helping clients to cope. Silverberg RA. **J Psychosoc Nurs Ment Health Serv** 1984 Feb;22(2):18–25

Repressive coping reactions in patients with malignant melanoma as compared to cardiovascular disease patients. Kneier AW, et al. **J Psychosom Res** 1984;28(2):145–55

Remediation & accommodation for clients with specific learning disabilities. Bencomo AA, et al. **J Rehabil** 1984 Apr–Jun;50(2):65–7

The severely disabled psychiatric patient and the adjustment to work. McCue M, et al. **J Rehabil** 1983 Oct–Dec; 49(4):52–8

Differential adaptive capacity to hearing impairment. Weinberger M, et al. **J Rehabil** 1983 Oct–Dec;49(4):64–9

Variables related to acceptance of disability in persons with spinal cord injuries. Woodrich F, et al. **J Rehabil** 1983 Jul–Sep;49(3):26–30

Development of a youth adaptation rating scale. Beall S, et al. **J Sch Health** 1984 May;54(5):197–200

Partner reaction following ostomy surgery. Gloeckner MR. **J Sex Marital Ther** 1983 Fall;9(3):182–90

Psychological effects of idiopathic adolescent scoliosis. Eliason MJ, et al. **JDBP** 1984 Aug;5(4):169–72

Transition to fatherhood. An exploratory study. Hangsleben KL. **JOGN Nurs** 1983 Jul–Aug;12(4):265–70

Enhanced adaptive behavioural response in agoraphobic

patients pretreated with breathing retraining. Bonn JA, et al. **Lancet** 1984 Sep 22;2(8404):665–9
Sequential stages of parental adjustment to the birth of a child with handicaps: fact or artifact? Blacher J. **Ment Retard** 1984 Apr;22(2):55–68 (64 ref.)
Adaptation to and recovery from captivity stress. Rahe RH, et al. **Milit Med** 1983 Jul;148(7):577–85
Friendship, coping systems and community adjustment of mildly retarded adults. Kaufman S. **Monogr Am Assoc Ment Defic** 1984;(6):73–92
Coping with muscular dystrophy: psychosocial correlates of adaptation [letter] Siegel IM, et al. **Muscle Nerve** 1983 Oct; 6(8):607–8
Diabetes mellitus as seen by doctors and patients. Doorenbos H. **Neth J Med** 1984;27(5):176–8
Correlates of adaptation to the sleep laboratory. Behavior, sleep organization, quantitative EEG. Rosadini G, et al. **Neuropsychobiology** 1983;10(2–3):178–82
Family-focused cardiac rehabilitation. A role supplementation program for cardiac patients and spouses. Dracup K, et al. **Nurs Clin North Am** 1984 Mar; 19(1):113–24
Renewal: a prescription for coping failure. Adams J. **Nurs Forum** 1984;21(1):28–30
Parental attitude and adjustment to childhood epilepsy. Austin JK, et al. **Nurs Res** 1984 Mar–Apr;33(2):92–6
Stress identification and coping patterns in patients on hemodialysis. Baldree KS, et al. **Nurs Res** 1982 Mar–Apr; 31(2):107–12
Coping in hospitalized children: an analysis of published case studies. Caty S, et al. **Nurs Res** 1984 Sep–Oct;33(5):277–82
Self-report and psychophysiological effects of five pain-coping strategies. Geden E, et al. **Nurs Res** 1984 Sep–Oct;33(5):260–5
Development of the Chronicity Impact and Coping Instrument: Parent Questionnaire (CICI:PQ). Hymovich DP. **Nurs Res** 1984 Jul–Aug;33(4):218–22
Psychometric assessment of the Jalowiec Coping Scale. Jalowiec A, et al. **Nurs Res** 1984 May–Jun;33(3):157–61
Cancer as crisis: the critical elements of adjustment. Krouse HJ, et al. **Nurs Res** 1982 Mar–Apr;31(2):96–101
Children's locus of control beliefs as predictors of preoperative coping behavior. Lamontagne LL. **Nurs Res** 1984 Mar–Apr;33(2):76–9, 85
Acceptance of ostomy and the visitor role in a self-help group for ostomy patients. Trainor MA. **Nurs Res** 1982 Mar–Apr;31(2):102–6
Cancer patients need help coping with fears, changes. Hodge JR. **Occup Health Saf** 1984 Apr;53(4):45–7, 52
Handling cancer's emotional side. Hodge JR, et al. **Ohio State Med J** 1984 May;80(5):365–7
The use of coping strategies in chronic low back pain patients: relationship to patient characteristics and current adjustment. Rosenstiel AK, et al. **Pain** 1983 Sep;17(1):33–44
Social, sexual and personal implications of paraplegia. Ray C, et al. **Paraplegia** 1984 Apr;22(2):75–86
Psychosocial aspects of infantile apnea and home monitoring. Smith JC. **Pediatr Ann** 1984 Mar;13(3):219–24
SIDS and the family: the pediatrician's role. Zebal BH, et al. **Pediatr Ann** 1984 Mar;13(3):237–40, 243, 246 passim
Marital adjustment to chronic childhood illness: a critique of the literature. Sabbeth BF, et al. **Pediatrics** 1984 Jun; 73(6):762–8 (52 ref.)
Evidence bearing on the generalizability of laboratory findings relating to high-altitude mountaineering. Milne D, et al. **Percept Mot Skills** 1983 Aug;57(1):172–4
Alternative explanations for procedural effects on magnitude-estimation exponents for taste, invoking adaptation, context, and volume effects. O'Mahony M. **Perception** 1984;13(1):67–73
Problems of eastern refugees and immigrants: adaptational problems of Vietnamese refugees Part IV. Lin KM, et al. **Psychiatr J Univ Ottawa** 1984 Jun;9(2):79–84
The onset and adaptation to cancer: psychodynamics of an ill physician. Stoudemire A. **Psychiatry** 1983 Nov; 46(4):377–86
The long-term psychological adjustment of children treated for congenital dislocation of the hip. Standen PJ. **Psychol Med** 1983 Nov;13(4):847–54
Women's reactions to reproductive problems. Baker MA, et al. **Psychol Rep** 1983 Aug;53(1):159–66
Applied relaxation (coping) in control of laboratory pain: effects of signalled pain and instructions of when to relax. Linton SJ, et al. **Psychol Rep** 1983 Oct;53(2):467–76
Necessary considerations for surgery preparation: age and previous experience. Melamed BG, et al. **Psychosom Med** 1983 Dec;45(6):517–25
Psychic factors determining the long-term adaptation of colostomy and ileostomy patients. Keltikangas-Järvinen L, et al. **Psychother Psychosom** 1984;41(3):153–9
Psychological and vocational long-term outcomes of cardiac rehabilitation with postinfarction patients under the age of forty. Langosch W, et al. **Psychother Psychosom** 1983; 40(1–4):115–28
Health beliefs, adjustment to illness, and control of hypertension. DeVon HA, et al. **Res Nurs Health** 1984 Mar; 7(1):10–6
Factors related to the early phase of rehabilitation following aortocoronary bypass surgery. O'Connor AM. **Res Nurs Health** 1983 Sep;6(3):107–16
The effect of transition modules on new graduate adaptation. Weiss SJ. **Res Nurs Health** 1984 Mar;7(1):51–9
Hemophilia—psychological factors and comprehensive management. Agle DP. **Scand J Haematol [Suppl]** 1984; 40:55–63
Prevention of early familial maladjustment by parent-staff group meetings: influence of familial background. Allain JP, et al. **Scand J Haematol [Suppl]** 1984;40:83–6
Hemophilia and the family: life-long challenges and adaptation. Mattsson A. **Scand J Haematol [Suppl]** 1984; 40:65–74
Life events, familial stress, and coping in the developmental course of schizophrenia. Lukoff D, et al. **Schizophr Bull** 1984;10(2):258–92
Chronic illness, stress and coping. Ben-Sira Z. **Soc Sci Med** 1984;18(9):725–36
Determinants of drug use: a test of the coping hypothesis. Crutchfield RD, et al. **Soc Sci Med** 1984;18(6):503–9
Stress and coping in the explanation of psychological adjustment among chronically ill adults. Felton BJ, et al. **Soc Sci Med** 1984;18(10):889–98
Stress and well-being: the buffering role of locus of control beliefs. Krause N, et al. **Soc Sci Med** 1984;18(9):783–90
The significance of the doctor-patient relationship in coping with cancer. Molleman E, et al. **Soc Sci Med** 1984; 18(6):475–80
Family reactions and coping strategies in response to the physically ill or handicapped child: a review. Shapiro J. **Soc Sci Med** 1983;17(14):913–31 (219 ref.)
Inching toward Armageddon: a psychiatric view. Abraham HD. **Yale J Biol Med** 1983 Mar–Apr;56(2):67–78
Adolescents and the threat of nuclear war: the evolution of a perspective. Beardslee WR, et al. **Yale J Biol Med** 1983 Mar–Apr;56(2):79–91
Children and the nuclear threat: a child psychiatrist's personal reflections. Salguero C. **Yale J Biol Med** 1983 Mar–Apr; 56(2):93–6
Ambiguous genitalia as a psychosocial emergency. Ladee-Levy JV. **Z Kinderchir** 1984 Jun;39(3):178–81
[Adaptation of women to illness due to gynecologic carcinoma] Novotná J, et al. **Cesk Gynekol** 1983 Sep; 48(8):581–3 (Cze)
[Recovery and rehabilitation following heart infarct] Weeda HW. **Ned Tijdschr Geneeskd** 1984 May 5;128(18):868–9 (Dut)
[Spina bifida and 'psycho-socioaffective' adjustment] de Tychey C. **Ann Med Psychol (Paris)** 1983 Jul–Aug; 141(7):731–56 (Eng. Abstr.) (Fre)
[Ethical problems in neonatology and obstetrics from the viewpoint of the psychologist] Matějček Z. **Padiatr Grenzgeb** 1984;23(3):145–8 (Eng. Abstr.) (Ger)
[Psychological care of the child ill with cancer] Schmitt GM. **Prax Kinderpsychol Kinderpsychiatr (Beih)** 1983;(25):1–71 (Ger)
[Anxiety and mastering of anxiety by the patient and personnel at a medical intensive care station] Bernhard P. **Psychother Psychosom Med Psychol** 1984 Feb;34(2):50–5 (Eng. Abstr.) (Ger)
[Psychological reactions and coping with disease in tumor patients—initial results of an empirical study] Ziegler G, et al. **Psychother Psychosom Med Psychol** 1984 Feb; 34(2):44–9 (Eng. Abstr.) (Ger)
[Occupational stress and the forms of dealing with it—a study of Swiss dentists] Augustiny KF. **SSO Schweiz Monatsschr Zahnheilkd** 1983 Sep;93 Spec No:786–803 (Ger)
[Coping with stress situations] Heim E. **SSO Schweiz Monatsschr Zahnheilkd** 1983 Sep;93 Spec No:804–11 (Ger)
[Can discrepancies between physiologic and subjective data as indicators of individual anxiety be used?] Beyer HG. **Z Exp Angew Psychol** 1984;31(3):351–75 (Eng. Abstr.) (Ger)
[A psychologically healthy life style and its significance for the development of a health-promoting way of life] Hecht K. **Z Gesamte Hyg** 1984 Jun;30(6):314–8 (Eng. Abstr.) (Ger)
[Psychological coping mechanisms in open heart surgery in relation to the personality structure of the patient. The possibilities for cooperation between psychosomatic medicine and cardiology] Jordan J, et al. **Z Psychosom Med Psychoanal** 1983;29(4):380–403 (Eng. Abstr.) (Ger)
[The generation problem in medicine. Opening lecture on the occasion of the XXXI. International Congress for Continuing Education of the Federal Physician's Group and the Austrian Physician's Group in Meran on 29 August 1983] Hamm H. **ZFA (Stuttgart)** 1983 Nov 30; 59(33):1447–52 (Ger)
[Thoughts on the meaning of life of the human] Meves C. **ZFA (Stuttgart)** 1983 Oct 31;59(30):1676–8 (Ger)
[Various psychopathologic and social aspects of multiple sclerosis] Monguzzi G, et al. **Minerva Psichiatr** 1983 Jan–Mar;24(1):1–4 (Eng. Abstr.) (Ita)
[A report on studies on the child's adaptation to school and family environment after neoplastic disease] Plewa I. **Probl Med Wieku Rozwoj** 1979;9:303–18 (Eng. Abstr.) (Pol)
[Psychological difficulties in children's adaptation to school] Aleksandrovskaia EM, et al. **Gig Sanit** 1984 Mar;(3):27–30 (Eng. Abstr.) (Rus)
[Mental status and work capacity of crewmen at the Salute-6 space flight base] Miasnikov VI. **Kosm Biol Aviakosm Med** 1983 Nov–Dec;17(6):22–5 (Eng. Abstr.) (Rus)
[Adaptation of first graders to the beginning of systematic education at school] Zhdanova LA. **Pediatriia** 1984 Jan; (1):47–51 (Eng. Abstr.) (Rus)
[Maladjustment, stress and peptic ulcer in young adults] Barjaktarović M, et al. **Med Pregl** 1983;36(7–8):331–5 (Eng. Abstr.) (Scr)
[The position and role of the psychiatric team in the adaptation of the soldier with a psychopathic type of behavior] Petrović S. **Vojnosanit Pregl** 1983 May–Jun; 40(3):194–6 (Scr)
[Juvenile essential hypertension. III. Psychological adaptation in juvenile hypertensives] Chromá O, et al. **Cesk Pediatr** 1984 May;39(5):277–9 (Eng. Abstr.) (Slo)

DRUG EFFECTS

Neurotoxicants and adaptive responses of the nervous system. Introductory remarks. Tilson HA, et al. **Fed Proc** 1983 Dec; 42(15):3189–90

PHYSIOLOGY

The adaptability rating for military aeronautics: an historical perspective of a continuing problem. Mills JG, et al. **Aviat Space Environ Med** 1984 Jun;55(6):558–62
Behavioral, but not physiological, adaptation to repeated separation in mother and infant primates. Coe CL, et al. **Psychoneuroendocrinology** 1983;8(4):401–9
[Student adaptation to instruction in college] Lastovchenko VB. **Gig Sanit** 1983 Jul;(7):21–3 (Eng. Abstr.) (Rus)
[Main types of emotional response of children during adaptation to the conditions of preschool institutions and school] Solntsev AA. **Pediatriia** 1983 Jul;(7):7–11 (Eng. Abstr.) (Rus)
[Adaptation of the body to stressful situations and prevention of stress-induced damage] Meerson FZ, et al. **Vestn Akad Med Nauk SSSR** 1984;(4):45–51 (Eng. Abstr.) (Rus)

ADDISON'S ANEMIA see **ANEMIA, PERNICIOUS**

ADDISON'S DISEASE

Pregnancy in a patient with type II polyendocrinopathy. A case report. Hadi HA, et al. **J Reprod Med** 1983 Aug; 28(8):547–50

BLOOD

Human plasma proopiomelanocortin N-terminal peptide and adrenocorticotropin: circadian rhythm, dexamethasone suppression, and corticotropin-releasing hormone stimulation. Motomatsu T, et al. **J Clin Endocrinol Metab** 1984 Sep;59(3):495–8
Effects of sodium-valproate administration on plasma ACTH levels in patients with ACTH hypersecretion. Ambrosi B, et al. **J Endocrinol Invest** 1983 Aug;6(4):305–6
[Study of antidiuretic hormones (arginine vasopressin) in 24 cases of primary adrenal insufficiency] Salomez-Granier F, et al. **Ann Endocrinol (Paris)** 1983;44(6):371–6 (Eng. Abstr.) (Fre)
[Juvenile case of Addison's disease] Takahashi T, et al. **Horumon To Rinsho** 1983 Jun;31 Suppl:132–4 (Jpn)

COMPLICATIONS

Primary Addison's disease in a patient with the acquired immunodeficiency syndrome. Guenthner EE, et al. **Ann Intern Med** 1984 Jun;100(6):847–8
Addison's disease, psychosis, and the syndrome of inappropriate secretion of antidiuretic hormone. Lever EG, et al. **Br J Psychiatry** 1983 Oct;143:406–10
Candida endocrinopathy syndrome. Price ML, et al. **Clin Exp Dermatol** 1984 Jan;9(1):105–9
Association of sciatica-like pain and Addison's disease. A case report. Zaleske DJ, et al. **J Bone Joint Surg [Am]** 1984 Feb;66(2):297–8
Addison's disease and diabetes mellitus. Pal LS, et al. **J Indian Med Assoc** 1983 Jul 1–16;81(1–2):16–7
Addison's disease and thyrotoxicosis presenting simultaneously. Newrick PG. **Postgrad Med J** 1984 Jul; 60(705):478–9
[Acute hepatic steatosis of pregnancy in an Addisonian patient] Parer S, et al. **Ann Fr Anesth Reanim** 1983; 2(4):296–9 (Eng. Abstr.) (Fre)
[Treatment of addisonian encephalopathy. The appearance of abdomino-crural contracture (letter)] Devos P, et al. **Presse Med** 1984 Apr 7;13(15):946 (Fre)
[Calcification of the auricular cartilages in suprarenal insufficiency (letter)] Picó A, et al. **Med Clin (Barc)** 1984 May 26;82(20):913 (Spa)

DIAGNOSIS

Adrenomyeloneuropathy—clinical and biochemical diagnosis. Berkovic SF, et al. **Aust NZ J Med** 1983 Dec; 13(6):594–600
[Characteristics of the course of diabetes mellitus in Addison's disease] Danite ElIu. **Probl Endokrinol (Mosk)** 1984 May–Jun;30(3):42–4 (Rus)

DRUG THERAPY

Studies on cortisol substitution therapy in patients with adrenal insufficiency. Nickelsen T, et al.

Exp Clin Endocrinol 1983 Jul;82(1):35–41

Lack of ACTH lowering effect of sodium valproate in patients with ACTH hypersecretion. Loli P, et al. **J Endocrinol Invest** 1984 Apr;7(2):93–6

Evidence that patients with Addison's disease are undertreated with fludrocortisone. Smith SJ, et al. **Lancet** 1984 Jan 7;1(8367):11–4

Endocrine emergencies. Adrenal crisis, myxedema coma, and thyroid storm. Gilliland PF. **Postgrad Med** 1983 Nov; 74(5):215–20, 225–7

ETIOLOGY

Schmidt's syndrome presenting with intrauterine growth retardation and postpartum addisonian crisis. Drucker D, et al. **Am J Obstet Gynecol** 1984 May 15;149(2):229–30

Metastases to the adrenal glands and the development of Addison's disease. Seidenwurm DJ, et al. **Cancer** 1984 Aug 1;54(3):552–7

A case of tuberculous epididymitis associated with Addison's disease. Higashihara M, et al. **Endocrinol Jpn** 1984 Feb; 31(1):1–5

TASS syndrome: unusual association of thyroiditis, Addison's disease, Sjögren's syndrome and sarcoidosis. Seinfeld ED, et al. **J R Soc Med** 1983 Oct;76(10):883–5

Some endocrine & metabolic emergencies in infants & children. Wong HB. **J Singapore Paediatr Soc** 1983; 25(1–2):44–51

Endocrine emergencies: additional points [letter] Ahmad S. **Postgrad Med** 1984 Apr;75(5):44, 48

Addison's disease due to metastatic carcinoma. Cowan JD, et al. **South Med J** 1984 Jun;77(6):796–9

IMMUNOLOGY

[Immunologic characteristics of Addison's disease] Bezruchenko SV. **Probl Endokrinol (Mosk)** 1983 Nov–Dec; 29(6):42–5 **(Rus)**

[Autoimmune processes in chronic adrenal insufficiency] Okeanova TA, et al. **Sov Med** 1983;(11):48–53 (60 ref.) **(Rus)**

METABOLISM

Glucocorticoid receptors in cultured skin fibroblasts of normal and adrenocorticoid disorders. Nawata H, et al. **Endocrinol Jpn** 1984 Apr;31(2):109–16

PATHOLOGY

Addison's disease presenting in the postpartum state. Goldman MH, et al. **J Med Soc NJ** 1983 Dec;80(12):1030–1

Case 47, part II: Oral hyperpigmentation associated with Addison's disease. Chuong R, et al. **J Oral Maxillofac Surg** 1983 Oct;41(10):680–2

Metastatic renal cell carcinoma: unusual cause of Addison disease. Goldenberg SL, et al. **Urology** 1983 Oct; 22(4):408–9

PHYSIOPATHOLOGY

Maintenance of arterial pressure by vasopressin and angiotensin II after adrenalectomy. Elijovich F, et al. **Hypertension** 1983 Nov–Dec;5(6 Pt 3):V53–6

PSYCHOLOGY

Self mutilation as a feature of Addison's disease. Rajathurai A, et al. **Br Med J [Clin Res]** 1983 Oct 8;287(6398):1027

RADIOGRAPHY

Addison's disease with adrenal enlargement on computed tomographic scanning. Report on two cases of tuberculosis and review of the literature. McMurry JF Jr, et al. **Am J Med** 1984 Aug;77(2):365–8

Addison's disease due to metastatic carcinoma: the value of CT scan. Khan A, et al. **Comput Radiol** 1983 Nov–Dec; 7(6):369–71

Computed tomography of the adrenal glands in Addison's disease. Rzymski K, et al. **ROFO** 1984 Jan;140(1):48–9

SURGERY

[Adrenal allograft for Addison's disease: preliminary report of 3 cases] Nan XY. **Chung Hua Wai Ko Tsa Chih** 1983 Sep;21(9):523 (Eng. Abstr.) **(Chi)**

THERAPY

[Hypocorticism, pregnancy, labor and the newborn infant] Lazarević B, et al. **Jugosl Ginekol Opstet** 1983 Sep–Dec; 23(5–6):124–5 (Eng. Abstr.) **(Scr)**

VETERINARY

Diseases of the adrenal cortex of dogs and cats. Kaufman J. **Mod Vet Pract** 1984 Jul;65(7):513–6

ADENINE

On the interaction between flavin–adenine rings and between flavin–indole rings by X-ray structural studies. Inoue M, et al. **Arch Biochem Biophys** 1983 Nov;227(1):52–70

A quantum chemical study of the effect of Na+ on the hydrogen bonds in the adenine–thymine base-pair. Hobza P, et al. **Biophys Chem** 1984 May;19(3):201–9

Use of Adsol preservation solution for prolonged storage of low viscosity AS-1 red blood cells. Heaton A, et al. **Br J Haematol** 1984 Jul;57(3):467–78

Evidence of 2-aminopurine–cytosine base mispairs involving two hydrogen bonds. Goodman MF, et al. **J Biol Chem** 1983 Nov 10;258(21):12842–6

Evidence that nitroarene metabolites form mutagenic adducts with DNA–adenine as well as with DNA–guanine. Massaro M, et al. **Mutat Res** 1983 Dec;122(3–4):243–9

Enzymatic excision from gamma-irradiated polydeoxyribonucleotides of adenine residues whose imidazole rings have been ruptured. Breimer LH. **Nucleic Acids Res** 1984 Aug 24;12(16):6359–67

Structure and function of an AT-rich, interspersed repetitive sequence from Chironomus thummi: solenoidal DNA, 142 bp palindrome-frame and homologies with the sequence for site-specific recombination of bacterial transposons. Israelewski N. **Nucleic Acids Res** 1983 Oct 25; 11(20):6985–96

Comparative structural analysis of eubacterial 5S rRNA by oxidation of adenines in the N-1 position. Pieler T, et al. **Nucleic Acids Res** 1984 Apr 11;12(7):3115–26

1H-NMR study of the lambda operator site OL1: assignment of the imino and adenine H2 resonances. Weiss MA, et al. **Nucleic Acids Res** 1984 May 11;12(9):4035–47

ANALOGS & DERIVATIVES

Metabolism of the broad-spectrum antiviral agent, 9-(S)-(2,3-dihydroxypropyl) adenine, in different cell lines. Votruba I, et al. **Acta Virol (Praha)** 1983 May;27(3):273–6

Selective inhibition of various mitogen responses in human lymphocytes. Delespesse G, et al. **Adv Exp Med Biol** 1984; 165 Pt B:205–10

Poly(d2NH2A-dT): effect of 2-amino substituent on the B to Z transition. Howard FB, et al. **Biochem Biophys Res Commun** 1984 Feb 14;118(3):848–53

Immunospecific binding of tRNA precursors containing N6-(delta 2-isopentenyl) adenosine. Jayabaskaran C. **Biochem Int** 1984 Feb;8(2):257–64

Mode of action of 2-amino-6-chloro-1-deazapurine. Bennett LL Jr, et al. **Biochem Pharmacol** 1984 Jan 15;33(2):261–71

Halogenated pyrrolopyrimidine analogues of adenosine from marine organisms: pharmacological activities and potent inhibition of adenosine kinase. Davies LP, et al. **Biochem Pharmacol** 1984 Feb 1;33(3):347–55

Effects of chirality in 9-(2-hydroxy-3-nonyl)adenine upon deoxyribonucleic acid synthesis in herpes simplex virus-infected cells. North TW, et al. **Biochem Pharmacol** 1983 Dec 1;32(23):3541–6

Inter- and intramolecular stacking interaction between indole and adeninium rings. Ishida T, et al. **Biochemistry** 1983 Jul 19;22(15):3571–81

Influence of local nucleotide sequence on substitution of 2-aminopurine for adenine during deoxyribonucleic acid synthesis in vitro. Pless RC, et al. **Biochemistry** 1983 Oct 11;22(21):4905–15

Crystal structure of 3-(adenin-9-yl)propionhistamide hydrochloride monohydrate and the role of protonation in protein–nucleic acid interactions. Takenaka A, et al. **Biochim Biophys Acta** 1984 Feb 14;797(2):239–46

Fluorescence decay studies of poly(riboadenylic acid) containing 1-N6-ethenoadenosine. Kubota Y, et al. **Biophys Chem** 1983 Oct;18(3):233–40

Fluorescence decay studies of modified dinucleoside monophosphates containing 1-N6-ethenoadenosine. Kubota Y, et al. **Biophys Chem** 1983 Oct;18(3):225–32

Mass-spectrometric investigations on hydration of nucleic acid components in vacuum. II. N-methylated adenines. Sukhodub LF, et al. **Biophys Chem** 1984 May;19(3):191–200

Selective inhibition of retrograde axonal transport by erythro-9-[3-(2-hydroxynonyl)]adenine. Forman DS, et al. **Brain Res** 1983 Aug 1;272(1):194–7

Release of 3-methyladenine from linker and core DNA of chromatin by a purified DNA glycosylase. Heller EP, et al. **Cancer Res** 1983 Dec;43(12 Pt 1):5747–53

Ultrastructural changes in rat adrenocortical cells produced by a 4-aminopyrazolopyrimidine (4-APP) dosage. Murakoshi M, et al. **Cell Struct Funct** 1984 Mar;9(1):13–23

Activity of the maturation-promoting factor and the extent of protein phosphorylation oscillate simultaneously during meiotic maturation of starfish oocytes. Dorée M, et al. **Dev Biol** 1983 Oct;99(2):489–501

Translational changes induced by 1-methyladenine in anucleate starfish oocytes. Martindale MQ, et al. **Dev Biol** 1984 Feb;101(2):512–5

Trypanosoma cruzi: 4-aminopyrazolopyrimidine in the treatment of experimental Chagas' disease. Avila JL, et al. **Exp Parasitol** 1983 Oct;56(2):236–40

Determination of 2,8-dihydroxyadenine in urine by high-performance anion-exchange liquid chromatography. Chung TG, et al. **J Chromatogr** 1983 Oct 14;277:300–4

Adenosine deaminase inhibitors. Synthesis of deaza analogues of erythro-9-(2-hydroxy-3-nonyl)adenine. Antonini I, et al. **J Med Chem** 1984 Mar;27(3):274–8

Cytotoxic effects of Eleutherococcus senticosus aqueous extracts in combination with N6-(delta 2-isopentenyl)-adenosine and 1-beta-D-arabinofuranosylcytosine against L1210 leukemia cells. Hacker B, et al. **J Pharm Sci** 1984 Feb; 73(2):270–2

2,8-dihydroxyadenine urolithiasis: review of the literature and report of a case in the United States. Witten FR, et al. **J Urol** 1983 Nov;130(5):938–42

Induction of damage inducible (SOS) repair in dam mutants of Escherichia coli exposed to 2-aminopurine. Craig RJ, et al. **MGG** 1984;194(3):539–40

Differences in allopurinol and 4-aminopyrazolo(3,4-d) pyrimidine metabolism in drug-sensitive and insensitive strains of Trypanosoma cruzi. Avila JL, et al. **Mol Biochem Parasitol** 1984 Apr;11:51–60

Mutagenesis and anti-mutagenesis in Salmonella: influence of ethionine and caffeine on yields of mutations induced by 2-aminopurine and 9-aminoacridine. MacPhee DG, et al. **Mutat Res** 1983 Nov;111(3):283–93

Differential inhibition by erythro-9-[3-(2-hydroxynonyl)]adenine of flagella-like and cilia-like movement of Leishmania promastigotes. Alexander J, et al. **Nature** 1983 Sep 22–28;305(5932):313–5

Methylation of 1-, 3-, 7-, 9-, and N6-methyladenines bearing a methoxyl group at the N6-position: a synthesis of 7,9-dimethyladenine. Fujii T, et al. **Nucleic Acids Symp Ser** 1983;(12):39–42

Interaction of N6-substituted-9-methyladenines to poly-5-bromouridylic acid. Higuchi S, et al. **Nucleic Acids Symp Ser** 1983;(12):185–8

SQ 22536, an adenylate-cyclase inhibitor, prevents the antiplatelet effect of dazoxiben, a thromboxane-synthetase inhibitor. Bertelé V, et al. **Thromb Haemost** 1984 Feb 28; 51(1):125–8

[Species-specific toxicity of arprinocid in mammals and birds] Dilov P, et al. **Vet Med Nauki** 1983;20(9):59–67 (Eng. Abstr.) **(Bul)**

[Effects of 5-bromouracil and 5-bromodeoxyuridine in combination with 8-aza-adenine on the UV sensitivity of bacteria] Jacob HE, et al. **Z Allg Mikrobiol** 1983; 23(8):495–501 (11 ref.) (Eng. Abstr.) **(Ger)**

[Experimental study on the action mechanism of a new bronchodilator agent, BB-1502] Kamei H, et al. **Nippon Yakurigaku Zasshi** 1983 Nov;82(5):335–42 (Eng. Abstr.) **(Jpn)**

ANALYSIS

[Quantitative determination of the components of the adenylic system in thrombocytes] Gushchina LA, et al. **Lab Delo** 1984;(4):223–5 (Eng. Abstr.) **(Rus)**

[Correlation between the species radiosensitivity of animals and concentration of AT-rich sequences in DNA] Kalashnikova LA, et al. **Radiobiologlia** 1983 Nov–Dec; 23(6):734–8 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

5'-Methylthioadenosine is the major source of adenine in human cells. Kamatani N, et al. **Adv Exp Med Biol** 1984; 165 Pt B:83–8

Genetic analysis of red, adenine-requiring mutants of Candida albicans. Poulter RT, et al. **J Bacteriol** 1983 Dec; 156(3):1066–77

BLOOD

Malignant hyperthermia: adenine incorporation and adenine metabolism in human platelets, influenced by halothane. Verburg MP, et al. **Adv Exp Med Biol** 1984;165 Pt B:443–6

Adenine metabolism in erythrocytes of patients with Duchenne muscular dystrophy. Frass M, et al. **Eur Neurol** 1983;22(5):380–4

[ACD-AG blood with decreased adenine and guanosine content] Strauss D, et al. **Folia Haematol (Leipz)** 1983; 110(5):763–7 (Eng. Abstr.) **(Ger)**

METABOLISM

Effect of hormones on adenine and adenosine metabolism in mammary gland in vitro. Barankiewicz J, et al. **Adv Exp Med Biol** 1984;165 Pt A:487–92

Adenine metabolism in rat skeletal muscle. Murphy JM, et al. **Adv Exp Med Biol** 1984;165 Pt B:419–24

Influence of local nucleotide sequence on substitution of 2-aminopurine for adenine during deoxyribonucleic acid synthesis in vitro. Pless RC, et al. **Biochemistry** 1983 Oct 11;22(21):4905–15

Spectrophotometric studies of the interaction of S-adenosylhomocysteinase with adenosine, adenine and cordycepin. Gomi T, et al. **Biochim Biophys Acta** 1984 Mar 29;785(3):177–80

Interaction among the distinct effects of adenine and guanine depletion in mouse lymphoma cells. Nguyen BT, et al. **Cancer Res** 1984 Jun;44(6):2272–7

Identification of guanine and adenine adducts in DNA alkylated by dibromodulcitol in vitro and in vivo. Institóris E, et al. **Chem Biol Interact** 1983 Nov;47(2):133–44

Leishmania mexicana: purine metabolism in promastigotes, axenic amastigotes, and amastigotes derived from Vero cells. Hansen BD, et al. **Exp Parasitol** 1984 Aug;58(1):101–9

Effects of high levels of DNA adenine methylation on methyl-directed mismatch repair in Escherichia coli. Pukkila PJ, et al. **Genetics** 1983 Aug;104(4):571–82

Adenine binding sites of the lectin from lima beans (Phaseolus lunatus). Roberts DD, et al. **J Biol Chem** 1983 Nov 25; 258(22):13820–4

Ethanol-induced activation of adenine nucleotide turnover. Evidence for a role of acetate. Puig JG, et al. **J Clin Invest** 1984 Sep;74(3):936–41

A bacterial respiratory burst: stimulation of the metabolism of Neisseria gonorrhoeae by human serum. Cohen MS, et

al. **J Infect Dis** 1984 Jul;150(1):49–56
Absorption and metabolism of adenine, adenosine–5'–monophosphate, adenosine and hypoxanthine by the isolated vascularly perfused rat small intestine. Salati LM, et al. **J Nutr** 1984 Apr;114(4):753–60
Binding of adenine and cytokinins to lima bean and other legume lectins. Roberts DD, et al. **Prog Clin Biol Res** 1983; 138:131–41
Recombinogenic activity of nalidixic acid for artificial hybrids but not for natural strains of Candida albicans: evidence for the monoploidy of natural strains. Sarachek A. **Z Allg Mikrobiol** 1983;23(6):385–91
[H3–adenine uptake by ovarian tissue in menopausal women] Tomala J. **Ginekol Pol** 1984 Jan;55(1):25–8 (Eng. Abstr.) **(Pol)**
[Effect of adenosine, AMP and papaverine on the cAMP content in thymocytes prelabelled with 14C–adenine] Dmitrenko NP, et al. **Biull Eksp Biol Med** 1984 Aug; 97(8):181–3 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Symbiotic properties of adenine requiring mutants of Rhizobium meliloti strain L5–30. Malek W, et al. **Acta Microbiol Pol** 1983;32(1):19–24
Use of adenine in blood banking. Bartlett GR. **Adv Exp Med Biol** 1984;165 Pt A:347–50
Synergism between purines and thymidine (TDR) in reversal of methotrexate (MTX) toxicity in mice using continuous infusions. Uitendaal MP, et al. **Adv Exp Med Biol** 1984;165 Pt B:401–5
Isoosmotic sucrose, adenine, inosine media for preservation of blood. Nakao M, et al. **Biomed Biochim Acta** 1983; 42(5):527–35
Adequate survival of red cells from units 'undercollected' in citrate–phosphate–dextrose–adenine–one. Davey RJ, et al. **Transfusion** 1984 Jul–Aug;24(4):319–22
Dihydroxyacetone, pyruvate, and phosphate effects on 2,3 DPG and ATP in citrate–phosphate–dextrose–adenine blood preservation. Dawson RB, et al. **Transfusion** 1984 Jul–Aug;24(4):327–9
Survival and biochemical characteristics of stored red cells preserved with citrate–phosphate–dextrose–adenine–one and two and prepared from whole blood maintained at 20 to 24 degrees C for eight hours following phlebotomy. Moroff G, et al. **Transfusion** 1984 Mar–Apr;24(2):115–9
Characterization of biochemical changes occurring during storage of red cells. Comparative studies with CPD and CPDA–1 anticoagulant–preservative solutions. Moroff G, et al. **Transfusion** 1983 Nov–Dec;23(6):484–9

RADIATION EFFECTS

A dose–response study on opening of imidazole ring of adenine in DNA by ionizing radiation. Chetsanga CJ, et al. **Int J Radiat Biol** 1983 Oct;44(4):321–31
Effect of misonidazole on radiation–induced reduction of DNA bases in deaerated aqueous solution. Wada T, et al. **J Radiat Res (Tokyo)** 1984 Mar;25(1):99–110

ADENINE ARABINOSIDE see **VIDARABINE**

ADENINE NUCLEOTIDE TRANSLOCASE see under **NUCLEOTIDYLTRANSFERASES**

ADENINE NUCLEOTIDES

Noncovalent complexes of diadenosine 5',5"–P1,P4–tetraphosphate with divalent metal ions, biogenic amines, proteins and poly(dT). Holler E. **Biochem Biophys Res Commun** 1984 May 16;120(3):1037–43
Hydrogen bond catalysis of mononucleotide ethylation supports non–random DNA alkylations by N–ethyl, N–nitrosourea. Stahl KW, et al. **Experientia** 1984 Jul 15; 40(7):734–6
Biological activities of phosphodiester linkage isomers of 2–5A. Lesiak K, et al. **J Biol Chem** 1983 Nov 10; 258(21):13082–8
Difference of the 2',5'–oligoadenylate and the 3',5'–oligoadenylate in the formation of base pairings. Hirao I, et al. **Nucleic Acids Symp Ser** 1983;(12):193–6
NMR, CD and UV studies of 2'–5' and 3'–5' linked oligoadenylates. Sawai H. **Nucleic Acids Symp Ser** 1983; (12):189–92
[Methods of demonstration of the microcirculatory bed using adenosine phosphates and lead nitrate] Stepanov PF, et al. **Arkh Anat Gistol Embriol** 1984 Jun;86(6):90–3 (Eng. Abstr.) **(Rus)**

ANALYSIS

High–pressure liquid chromatographic–fluorometric detection of adenosine and adenine nucleotides: application to endogenous content and electrically induced release of adenyl purines in guinea pig vas deferens. Levitt B, et al. **Anal Biochem** 1984 Feb;137(1):93–100
Diadenosine 5',5"–P1,P3–triphosphate in eukaryotic cells: identification and quantitation. Ogilvie A, et al. **Anal Biochem** 1983 Oct 15;134(2):382–92
Analysis of 2',5'–oligoadenylates in cells and tissues. Reid TR, et al. **Anal Biochem** 1984 Jan;136(1):136–41
Assay of adenosine 5'–P1–tetraphospho–P4–5"–adenosine and adenosine 5'–P1–tetraphospho–P4–5"–guanosine in Physarum polycephalum and other eukaryotes. An isocratic high–pressure liquid–chromatography method. Garrison PN, et al. **Biochem J** 1984 Feb 1;217(3):805–11
Effects of ketogenic diet on electroconvulsive threshold and brain contents of adenosine nucleotides. Nakazawa M, et al. **Brain Dev** 1983;5(4):375–80
A comparison of purine and pyrimidine pools in Bloom's syndrome and normal cells. Taylor MW, et al. **Cancer Biochem Biophys** 1983 Dec;7(1):19–25
Phosphagens and glycogen content in skeletal muscle after treadmill training in young and old rats. Bastien C, et al. **Eur J Applied Physiol** 1984;52(3):291–5
Clathrin–associated proteins contain bound nucleotide. Schook WJ, et al. **FEBS Lett** 1983 Dec 12;164(2):303–6
Radioisotopic assay of femtomole quantities of total adenine nucleotides, ATP plus ADP, and AMP. Goswami T, et al. **J Biochem Biophys Methods** 1984 May;9(2):143–51
Preparation, characterization, and use of an antiserum specific for 2',5'–oligoadenylates. Hersh CL, et al. **J Biol Chem** 1984 Feb 10;259(3):1727–30
High–performance liquid chromatographic method for the simultaneous determination of myocardial creatine phosphate and adenosine nucleotides. Bedford GK, et al. **J Chromatogr** 1984 Jan 13;305(1):183–7
Normal adenylate ribonucleotide content in mouse embryos homozygous for the t12 mutation. Spielmann H, et al. **J Embryol Exp Morphol** 1983 Dec;78:43–51
Diadenosine 5',5"–P1,P4–tetraphosphate in developing embryos of Artemia. McLennan AG, et al. **Nucleic Acids Res** 1984 Feb 10;12(3):1609–19
Immunological evidence for the in vivo occurrence of (2'–5')adenylyladenosine oligonucleotides in eukaryotes and prokaryotes. Laurence L, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(8):2322–6
[Quantitative determination of the components of the adenylic system in thrombocytes] Gushchina LA, et al. **Lab Delo** 1984;(4):223–5 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Inosine incorporation into adenine– and guanine nucleotides in the isolated perfused rat heart is stimulated after ischemia. Harmsen E, et al. **Adv Exp Med Biol** 1984;165 Pt B:487–90
Ribose prevents the propranolol–induced reduction of myocardial adenine nucleotide biosynthesis. Zimmer HG, et al. **Adv Exp Med Biol** 1984;165 Pt B:477–81
Adenine nucleotide biosynthesis in cardiac muscle: regulation and intervention. Zimmer HG. **Adv Exp Med Biol** 1984; 165 Pt B:469–75
Synthesis of 2',5'–oligoadenylate by rat liver nuclear matrix protein. Schweiger A, et al. **Biochem Biophys Res Commun** 1984 May 16; 120(3):996–1001
Phenylalanyl–tRNA synthetase of Escherichia coli K10. Effects of zinc(II) on partial reactions of diadenosine 5',5"–P1,P4–tetraphosphate synthesis, conformation, and protein aggregation. Goerlich O, et al. **Biochemistry** 1984 Jan 17;23(2):182–90
Characterization of a homogeneous complex of arginyl– and lysyl–tRNA synthetase: zinc and adenosine 5'–phosphate dependent synthesis of diadenosine 5',5"'–P1,P4–tetraphosphate. Hilderman RH. **Biochemistry** 1983 Sep 13;22(19):4353–7
Effects of human immune interferon on cell viability, (2',5')oligoadenylate synthesis, and polyamine–dependent protein phosphorylation in human colon carcinoma cells in vitro. Chapekar MS, et al. **Cancer Res** 1984 May; 44(5):2144–9
AppppA and related adenylylated nucleotides are synthesized as a consequence of oxidation stress. Bochner BR, et al. **Cell** 1984 May;37(1):225–32
Synthesis of diadenosine 5',5"'–P1,P4–tetraphosphate (AP4A) in sea urchin embryos. Morioka M, et al. **Cell Differ** 1984 Apr;14(1):53–8
The histochemistry of complex carbohydrates in certain organs of homozygous brachymorphic (bm/bm) mice. Yamada K, et al. **Histochem J** 1984 Jun;16(6):587–99
Synthesis of adenylate nucleotides by Mollicutes (mycoplasmas). Beaman KD, et al. **J Gen Microbiol** 1983 Oct;129 (Pt 10):3103–10
Do stalled replication forks synthesize a specific alarmone? Varshavsky A. **J Theor Biol** 1983 Dec 21;105(4):707–14

BLOOD

Cyclic AMP metabolism in intact platelets determined by 18O incorporation into adenine nucleotide alpha–phosphoryls. Goldberg ND, et al. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1984; 16:363–79
Nucleotide levels and metabolism of adenosine and deoxyadenosine in intact erythrocytes deficient in adenosine deaminase. Webster DR, et al. **Adv Exp Med Biol** 1984;165 Pt A:363–6
Variations of 2,3–biphosphoglycerate (2,3–BPG) with oxygen therapy. de la Morena García E, et al. **Biochem Med** 1983 Oct;30(2):135–40
Proton NMR studies of nucleotide and amine storage in the dense granules of pig platelets. Uğurbil K, et al. **Biochemistry** 1984 Jan 31;23(3):416–28
Close correlation between platelet responses and adenylate energy charge during transient substrate depletion. Akkerman JW, et al. **Biochim Biophys Acta** 1983 Oct 4; 760(1):34–41
Energy balance in rabbit reticulocytes and its control by adenine nucleotides. Augustin HW, et al. **Biomed Biochim Acta** 1983;42(11–12):S223–8
Diamide mediated deaggregation of activated blood platelets is not caused by changes in adenine nucleotide pattern. Hofmann B, et al. **Biomed Biochim Acta** 1983;42(5):K13–9
Cell shape and total adenylate concentration as important factors for posttransfusion survival of erythrocytes. Högman CF, et al. **Biomed Biochim Acta** 1983; 42(11–12):S327–31
Breakdown of adenine nucleotides of human erythrocytes. Rapoport I, et al. **Biomed Biochim Acta** 1983; 42(11–12):S302–5
Stability of (2'–5')oligoriboadenylates in various sera. Vilček S, et al. **FEBS Lett** 1984 Jan 30;166(2):311–3
Pyridine nucleotide synthesis in human blood—effect of leucine, alpha–ketoisocaproic acid and ketone bodies. Yamada O, et al. **Int J Vitam Nutr Res** 1983;53(4):432–7
Changes of adenine nucleotides in erythrocyte deproteinized extract after one–month storage. Hirono A, et al. **Nippon Ketsueki Gakkai Zasshi** 1983 Jul;46(4):997–1000
Platelet adenine nucleotide levels in patients with Dacron vascular prostheses. Savage B, et al. **Thromb Res** 1983 Nov 15;32(4):365–72
[Effect of myocardial ischemia on adenine nucleotide metabolism] Kuz'min AI, et al. **Kardiologiia** 1984 Jun; 24(6):28–33 (Eng. Abstr.) **(Rus)**
[Relation between the status of the blood adenylate system and the intensity of the process of lipid peroxidation in patients with newly detected pulmonary tuberculosis] Burlachuk VT, et al. **Probl Tuberk** 1984 May;(5):45–50 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

3–aminopyridine 1,N6–ethenoadenine dinucleotide phosphate: a fluorescent reagent for NADP–requiring enzymes. Anderson BM, et al. **Anal Biochem** 1983 Oct 1; 134(1):50–5
Synthesis and biological activity of tubercidin analogues of ppp5'A2'p(5'A2'p)n5'A. Jamoulle JC, et al. **Biochemistry** 1984 Jun 19;23(13):3063–9

DEFICIENCY

Effect of the brachymorphic trait in mice on xenobiotic sulfate ester formation. Lyman SD, et al. **Biochem Pharmacol** 1983 Nov 15;32(22):3345–50

DIAGNOSTIC USE

99mTc–labeled nucleotides as tumor–seeking radiodiagnostic agents. Elmaleh DR, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(3):918–21

ISOLATION & PURIFICATION

Evaluation of immobilized boronates for studies of adenine and pyridine nucleotide metabolism. Alvarez–Gonzalez R, et al. **Anal Biochem** 1983 Nov;135(1):69–77

METABOLISM

Stimulation by adenosine of adenine nucleotide turnover in isolated hepatocytes: evidence for a futile cycle between AMP and adenosine. Bontemps F, et al. **Adv Exp Med Biol** 1984;165 Pt A:475–80
Total adenine nucleotide stores and sarcoplasmic reticular Ca transport in ischemic rat heart. Meno H, et al. **Am J Physiol** 1984 Sep;247(3 Pt 2):H380–6
Occurrence of short–sized oligo(A) fragments during course of cell cycle and ageing. Schröder HC, et al. **Arch Gerontol Geriatr** 1983 Dec;2(4):349–60
Metabolism of Babesia parasites in vitro. Change in adenylate energy charge and infectivity of Babesia rodhaini–infected erythrocytes. Barry DN. **Aust J Exp Biol Med Sci** 1984 Feb;62 (Pt 1):63–71
Mitochondrial damage during myocardial ischemia. Regitz V, et al. **Basic Res Cardiol** 1984 Mar–Apr;79(2):207–17
Control of the activation/inactivation of pyruvate, Pi dikinase from the C4 plant maize by adenylate energy charge, pyruvate, and analogs of pyruvate. Nakamoto H, et al. **Biochem Biophys Res Commun** 1983 Sep 15; 115(2):673–9
Effect of temperature on ppp(A2'p)nA binding protein activities in rabbit reticulocyte lysates and other mammalian extracts. Wu JM, et al. **Biochem Biophys Res Commun** 1983 Nov 30;117(1):57–64
Direct deamination of AMP, ADP, ATP and NADH by non–specific adenylate deaminase in the foot muscle of the snail Helix pomatia. Stankiewicz AJ. **Biochem J** 1983 Oct 1;215(1):39–44
Protective effect of timolol as assessed by energy charge during myocardial ischaemia. Manning A, et al. **Biochem Pharmacol** 1983 Sep 15;32(18):2840–1
Photoaffinity labeling of a synaptic vesicle specific nucleotide transport system from Torpedo marmorata. Lee DA, et al. **Biochemistry** 1983 Dec 20;22(26):6123–30
Methanol–induced release of tightly bound adenine nucleotides from thylakoid–associated CF1. Anthon GE, et al. **Biochim Biophys Acta** 1984 Aug 31;766(2):354–62
Quantitative changes in aminoacylation of transfer RNA and in free amino acids during fructose–induced depletion of adenine nucleotides in rat liver. Lindqvist L, et al.

Biochim Biophys Acta 1983 Sep 22;763(2):107–11

Salient effects of L-carnitine on adenine-nucleotide loss and coenzyme A acylation in the diabetic heart perfused with excess palmitic acid. A phosphorus-31 NMR and chemical extract study. Pieper GM, et al. **Biochim Biophys Acta** 1984 Apr 16;803(4):241–9

Creatine kinase in regulation of heart function and metabolism. I. Further evidence for compartmentation of adenine nucleotides in cardiac myofibrillar and sarcolemmal coupled ATPase-creatine kinase systems. Saks VA, et al. **Biochim Biophys Acta** 1984 Apr 16;803(4):254–64

The influence of ethionine on the phosphorylation state of adenine nucleotides in isolated hepatocytes. Lavoinne A, et al. **Biochimie** 1983 Aug-Sep;65(8–9):471–6

Levels of adenosine and adenine nucleotides in slices of rat hippocampus. Fredholm BB, et al. **Brain Res** 1984 Mar 12;295(1):127–36

Efflux of adenine nucleotides in mitochondria from rat tumor cells of varying growth rates. Lau BW, et al. **Cancer Res** 1984 Oct;44(10):4458–64

Effects of timolol on adenine nucleotide catabolism in cat hearts with acute regional ischaemia. Stangeland L, et al. **Cardiovasc Res** 1984 Jun;18(6):327–34

Interferon action: two (2'-5')(A)n synthetases specified by distinct mRNAs in Ehrlich ascites tumor cells treated with interferon. St Laurent G, et al. **Cell** 1983 May;33(1):95–102

Adenine nucleotide metabolism and compartmentalization in isolated adult rat heart cells. Geisbuhler T, et al. **Circ Res** 1984 May;54(5):536–46

Regulation of hepatic gluconeogenesis by rapid compartmentation of mitochondrial adenine nucleotides in the newborn rabbit. Brennan WA Jr, et al. **Comp Biochem Physiol [B]** 1984;77(1):35–9

Adenine nucleotide metabolism in diabetes [letter] Hutton RA, et al. **Diabetologia** 1984 Jan;26(1):89–90

Increased stability and antiviral activity of 2'-O-phosphoglyceryl derivatives of (2'-5')oligo(adenylate). Bayard B, et al. **Eur J Biochem** 1984 Jul 16;142(2):291–8

Activation of the ppp(A2'p)nA system in interferon-treated, herpes simplex virus-infected cells and evidence for novel inhibitors of the ppp(A2'p)nA-dependent RNase. Cayley PJ, et al. **Eur J Biochem** 1984 Aug 15;143(1):165–74

Phosphorolytic activity of Escherichia coli glycyl-tRNA synthetase towards its cognate aminoacyl adenylate detected by 31P-NMR spectroscopy and thin-layer chromatography. Led JJ, et al. **Eur J Biochem** 1983 Nov 15;136(3):469–79

Short-term control of mitochondrial adenine nucleotide translocator by thyroid hormone. Mowbray J, et al. **Eur J Biochem** 1984 Feb 15;139(1):95–9

Coordinated two-disk nucleation, growth and properties, of virus-like particles assembled from tobacco-mosaic-virus capsid protein with poly(A) or oligo(A) of different length. Schön A, et al. **Eur J Biochem** 1984 Apr 2;140(1):119–27

Influence of fatty acids on energy metabolism. 2. Kinetics of changes in metabolic rates and changes in subcellular adenine nucleotide contents and pH gradients following addition of octanoate and oleate in perfused rat liver. Soboll S, et al. **Eur J Biochem** 1984 May 15;141(1):231–6

Drastic rise of intracellular adenosine(5')tetraphospho(5')adenosine correlates with onset of DNA synthesis in eukaryotic cells. Weinmann-Dorsch C, et al. **Eur J Biochem** 1984 Jan 2; 138(1):179–85

Metabolic studies of postischemic acute renal failure in the rat. Trifillis AL, et al. **Exp Mol Pathol** 1984 Apr; 40(2):155–68

Identification of possible adenine nucleotide-binding sites in nitrogenase Fe- and MoFe-proteins by amino acid sequence comparison. Robson RL. **FEBS Lett** 1984 Aug 6;173(2):394–8

Membrane-bound ATP-dependent energy systems and gastric cytoprotection by prostacyclin, atropine and cimetidine in the rat. Mózsik G, et al. **Int J Tissue React** 1983;5(3):263–78

Decrease in mitochondrial levels of adenine nucleotides and concomitant mitochondrial dysfunction in ischemic rat liver. Watanabe F, et al. **J Biochem (Tokyo)** 1983 Aug; 94(2):493–9

Steady-state kinetic studies of binding and catalysis by ribonuclease T2: a microenvironmental survey of the active site by using a series of adenosine-3'- and -5'-alkylphosphates. Yasuda T, et al. **J Biochem (Tokyo)** 1983 Nov;94(5):1475–81

Carboxyatractyloside-insensitive influx and efflux of adenine nucleotides in rat liver mitochondria. Austin J, et al. **J Biol Chem** 1984 Jan 10;259(1):154–60

Two low Km hydrolytic activities on dinucleoside 5',5''-P1,P4-tetraphosphates in rat liver. Characterization as the specific dinucleoside tetraphosphatase and a phosphodiesterase I-like enzyme. Cameselle JC, et al. **J Biol Chem** 1984 Mar 10;259(5):2879–85

Effect of atractylosides, palmitoyl coenzyme A, and anion transport inhibitors on translocation of nucleotide sugars and nucleotide sulfate into Golgi vesicles. Capasso JM, et al. **J Biol Chem** 1984 Apr 10;259(7):4263–6

Catabolism of diadenosine 5',5''-P1,P4-tetraphosphate in procaryotes. Purification and properties of diadenosine 5',5''-P1,P4-tetraphosphate (symmetrical) pyrophosphohydrolase from Escherichia coli K12. Guranowski A, et al. **J Biol Chem** 1983 Dec 25; 258(24):14784–9

Simian virus 40-infected, interferon-treated cells contain 2',5'-oligoadenylates which do not activate cleavage of RNA. Hersh CL, et al. **J Biol Chem** 1984 Feb 10; 259(3):1731–7

Direct photoaffinity labeling of proteins with adenosine 3'-[32P]phosphate 5'-phosphosulfate. Atractyloside inhibits labeling of a Mr = 34,000 protein in an adrenal medullary Golgi fraction. Lee RW, et al. **J Biol Chem** 1984 Sep 10; 259(17):11153–6

5'-bromoacetamido-5'-deoxyadenosine. A novel reagent for labeling adenine nucleotide sites in proteins. Samant BR, et al. **J Biol Chem** 1983 Nov 10;258(21):12779–82

Translocation of adenosine 3'-phosphate 5'-phosphosulfate into rat liver Golgi vesicles. Schwarz JK, et al. **J Biol Chem** 1984 Mar 25;259(6):3554–9

Effects of neutrophil elastase and other proteases on porcine aortic endothelial prostaglandin I2 production, adenine nucleotide release, and responses to vasoactive agents. LeRoy EC, et al. **J Clin Invest** 1984 Sep;74(3):1003–10

Ethanol-induced activation of adenine nucleotide turnover. Evidence for a role of acetate. Puig JG, et al. **J Clin Invest** 1984 Sep;74(3):936–41

Energy status in the fat body of Trichoplusia ni parasitized by the insect parasite Hyposoter exiguae. Thompson SN, et al. **J Invertebr Pathol** 1984 Jul;44(1):46–51

Oligonucleotide structural parameters that influence binding of 5'-O-triphosphoadenylyl-(2'——5')-adenylyl-(2'——5')-a to the 5'-O-triphosphoadenylyl-(2'——5')-adenylyl-(2'——5')-a dependent endoribonuclease: chain length, phosphorylation state, and heterocyclic base. Torrence PF, et al. **J Med Chem** 1984 Jun;27(6):726–33

Myocardial ischemia: correlation of mitochondrial adenine nucleotide and respiratory function. Asimakis GK, et al. **J Mol Cell Cardiol** 1984 May;16(5):439–47

Diltiazem administered before or during myocardial ischemia decreases adenine nucleotide catabolism. De Jong JW, et al. **J Mol Cell Cardiol** 1984 Apr;16(4):363–70

Metabolic processes in Alzheimer's disease: adenine nucleotide content and production of 14CO2 from [U-14C]glucose in vitro in human neocortex. Sims NR, et al. **J Neurochem** 1983 Nov;41(5):1329–34

Free fatty acids and energy metabolites in ischemic cerebral cortex with noradrenaline depletion. Yoshida S, et al. **J Neurochem** 1984 Mar;42(3):711–7

Changes of the adenine ribonucleotide content during preimplantation development of mouse embryos in vivo and in vitro. Spielmann H, et al. **J Reprod Fertil** 1984 Jul; 71(2):467–73

2-5A accumulates to high levels in interferon-treated, vaccinia virus-infected cells in the absence of any inhibition of virus replication. Rice AP, et al. **J Virol** 1984 Apr; 50(1):220–8

Cyclic AMP-dependent regulation of activities of synthetase and phosphodiesterase of 2',5'-oligoadenylate in NIH 3T3 cells. Itkes AV, et al. **Mol Cell Biochem** 1984; 58(1-2):165–71

La antigen recognizes and binds to the 3'-oligouridylate tail of a small RNA. Mathews MB, et al. **Mol Cell Biol** 1984 Jun;4(6):1134–40

Adenine nucleotide and phosphoenolpyruvate transport by bovine chromaffin granule 'ghosts'. Grüninger HA, et al. **Neuroscience** 1983 Aug;9(4):917–24

Control of adenine nucleotide translocation in liver mitochondria from ethanol-fed rats. Cunningham CC, et al. **Pharmacol Biochem Behav** 1980;13 Suppl 1:63–6

AppppA, heat-shock stress, and cell oxidation. Lee PC, et al. **Proc Natl Acad Sci USA** 1983 Dec;80(24):7496–500

Effect of ischemia and hypertonic saline loading on renal adenine nucleotides. Knutsen Urbaitis B. **Renal Physiol** 1984;7(1):22–31

Relationship between myocardial adenine nucleotide catabolism and tissue blood flow rate in experimental ischaemia. Grong K, et al. **Scand J Clin Lab Invest** 1984 Apr;44(2):125–33

Concentration of adenine nucleotides and glycolytic intermediates in erythrocytes, liver and muscle tissue in rats after thermal injury. Arturson G, et al. **Scand J Plast Reconstr Surg** 1984;18(1):21–31

Energy level in large intestinal mucosa in patients with ulcerative colitis. Kameyama J, et al. **Tohoku J Exp Med** 1984 Jun;143(2):253–4

Effect of 5'-terminated (2'-5')-oligoadenylates on cap degrading activities in rat liver nuclei. Michels W, et al. **Z Naturforsch [C]** 1983 Jul-Aug;38(7-8):631–4

[Interrelations between adenine nucleotides in Penicillium nigicans Thom] Rogal' IG. **Antibiotiki** 1983 Sep;28(9):650–2 (Eng. Abstr.) **(Rus)**

[The mitochondrial carrier of adenylates controls ATP production in the physiological range of respiration rates] Kholodenko BN. **Biofizika** 1984 May-Jun;29(3):453–8 (Eng. Abstr.) **(Rus)**

[Disorders in brain levels of macroergic substances during chronic stress and their correction by psychotropic agents] Kresiun VI. **Biull Eksp Biol Med** 1983 Sep;96(9):72–4 (Eng. Abstr.) **(Rus)**

[Effect of riboxine on the ATPase activity and adenine nucleotide content in the myocardium in experimental myocardial infarct] Grigor'eva MB. **Farmakol Toksikol** 1983 Jul-Aug;46(4):41–3 (Eng. Abstr.) **(Rus)**

[Effect of hydrogen fluoride on the adenylic acid content of the erythrocytes and organs of white rats] Grekhova TD. **Gig Tr Prof Zabol** 1984 May;(5):43–4 **(Rus)**

[Interaction of oligoadenylic acids with repolymerized protein of tobacco mosaic virus] Tamm IuV. **Mol Biol (Mosk)** 1984 May-Jun;18(3):620–31 (Eng. Abstr.) **(Rus)**

[High energy phosphate compounds and ATPase activity of mitochondria in the brain of rats of different ages] Potapenko RI. **Ukr Biokhim Zh** 1983 Sep-Oct;55(5):563–6 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Antiviral and anticellular effects of synthetic (2'-5')-oligoadenylate (A 2' p 5' A 2' p 5' A) in Rauscher murine leukaemia. Kára J, et al. **Acta Virol (Praha)** 1983 Nov;27(6):477–83

Diadenosine tetraphosphate activates AMP deaminase from rat muscle. Fernández A, et al. **Biochem Biophys Res Commun** 1984 May 31;121(1):155–61

Diadenosine triphosphate (Ap3A) mediates human platelet aggregation by liberation of ADP. Lüthje J, et al. **Biochem Biophys Res Commun** 1984 Feb 14;118(3):704–9

On the inhibition of p-hydroxybenzoate hydroxylase from Pseudomonas fluorescens by adenosine nucleotides and metal ion complexes. Müller F, et al. **Biochem Int** 1983 Jul;7(1):115–22

Phosphorylated adenosine derivatives as low-affinity adenosine-receptor agonists. Methodological implications for the adenylate cyclase assay. Schütz W, et al. **Biochem J** 1984 May 15;220(1):207–12

Synthesis and biological activity of 5'-capped derivatives of 5'-triphosphoadenylyl(2'——5')adenylyl(2'——5')adenosin Imai J, et al. **Biochemistry** 1984 Feb 14;23(4):766–74

Antagonism of tetrodotoxin- and procaine-induced axonal blockade by adenine nucleotides in the frog sciatic nerve. Ribeiro JA, et al. **Br J Pharmacol** 1984 Feb;81(2):277–82

Actions of some autonomic agents on the heart of the trout (Salmo gairdneri) with emphasis on the effects of adenyl compounds. Meghji P, et al. **Comp Biochem Physiol [C]** 1984;78(1):69–75

Stimulation of DNA synthesis by microinjection of diadenosine 5',5''-P1, P4-tetraphosphate (Ap4A) into Xenopus laevis oocytes. Zourgui L, et al. **Dev Biol** 1984 Jun;103(2):409–13

Increased stability and antiviral activity of 2'-O-phosphoglyceryl derivatives of (2'-5')oligo(adenylate). Bayard B, et al. **Eur J Biochem** 1984 Jul 16;142(2):291–8

Adenine nucleotides affect the binding of 3-phosphoglycerate to pig muscle 3-phosphoglycerate kinase. Vas M, et al. **Eur J Biochem** 1984 Feb 15; 139(1):115–23

Inhibition of CFU-E in rat bone marrow perfused with 2'-5'-oligoadenylate core. Orlic D, et al. **Exp Hematol** 1984 Jan;12(1):39–43

Inhibition of natural killing by adenosine ribonucleotides. Henriksson T. **Immunol Lett** 1983;7(3):171–6

Effect of adenine nucleotides and gamma radiation on the transport of TEMPOL across the erythrocyte membrane. Jozwiak Z, et al. **Int J Radiat Biol** 1983 Sep;44(3):301–5

Effects of adenine nucleotides on the Ca2+-gated cation channel in sarcoplasmic reticulum vesicles. Yamanouchi H, et al. **J Biochem (Tokyo)** 1984 Jan;95(1):161–6

Adenine nucleotide stimulation of Ca2+-induced Ca2+ release in sarcoplasmic reticulum. Meissner G. **J Biol Chem** 1984 Feb 25;259(4):2365–74

Mechanism of interferon action. Effect of double-stranded RNA and the 5'-O-monophosphate form of 2',5'-oligoadenylate on the inhibition of reovirus mRNA translation in vitro. Miyamoto NG, et al. **J Biol Chem** 1983 Dec 25;258(24):15232–7

Structure—activity relationships for and potentiation of the antimitogenic activity of 2-5A core derived from 2-5A, a mediator of interferon action. Torrence PF, et al. **J Med Chem** 1983 Dec;26(12):1674–8

Effects of Mg2+ and adenine nucleotides on thymidylate synthetase from different mouse tumors. Rode W, et al. **Mol Cell Biochem** 1984;60(1):73–6

Differential inhibition of cellular and viral pp60src kinase by P1,P4-di(adenosine-5')tetraphosphate. Levy BT, et al. **Mol Cell Biol** 1983 Oct;3(10):1718–23

Mechanism of interferon action III--significance of pppA2'p5'A2'p5'A in the antiviral action of interferon. Liu XY, et al. **Sci Sin [B]** 1983 Aug;26(8):809–17

Mechanism of interferon action. Activation of macrophages and antagonism to alpha-feto-protein by pppA2'p5'A2'p5'A. Liu XY, et al. **Sci Sin [B]** 1983 Oct; 26(10):1057–64

Mechanism of antiviral activity of (XyloA2'p)2XyloA. Eppstein DA, et al. **Virology** 1983 Dec;131(2):341–54

[The process of cyclic adenosine-3',5'-monophosphate phosphodiesterase activation by 2',5'-oligoadenylate] Tunitskaia VL, et al. **Biokhimiia** 1983 Oct;48(10):1721–5 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Diadenosine 5',5''-P1,P4-tetraphosphate (Ap4A): its role in cellular metabolism. Zamecnik P. **Anal Biochem** 1983 Oct 1;134(1):1–10 (70 ref.)

Adenine nucleotide control of the rate of oxygen uptake by

rat heart mitochondria over a 15- to 20-fold range. Bishop PD, et al. **Arch Biochem Biophys** 1984 Apr;230(1):335–44
Diadenosine 5', 5"–P1, P4–tetraphosphate: a pleiotropically acting alarmone? Varshavsky A. **Cell** 1983 Oct;34(3):711–2 (0 ref.)

ADENINE PHOSPHORIBOSYLTRANSFERASE see under **PENTOSYLTRANSFERASES**

ADENINE POLYNUCLEOTIDES see **POLY A**

ADENITIS see **LYMPHADENITIS**

ADENO-ASSOCIATED VIRUSES

ANALYSIS

Analysis of proteins, helper dependence, and seroepidemiology of a new human parvovirus. Georg-Fries B, et al. **Virology** 1984 Apr 15;134(1):64–71

GENETICS

Rescue of adeno-associated virus from recombinant plasmids: gene correction within the terminal repeats of AAV. Samulski RJ, et al. **Cell** 1983 May;33(1):135–43
Adenovirus early gene regulation and the adeno-associated virus helper effect. Richardson WD, et al. **Curr Top Microbiol Immunol** 1984;109:147–65
Molecular cloning of adeno-associated virus variant genomes and generation of infectious virus by recombination in mammalian cells. Senapathy P, et al. **J Biol Chem** 1984 Apr 10;259(7):4661–6
Genetics of adeno-associated virus: isolation and preliminary characterization of adeno-associated virus type 2 mutants. Hermonat PL, et al. **J Virol** 1984 Aug;51(2):329–39
Requirement for either early region 1a or early region 1b adenovirus gene products in the helper effect for adeno-associated virus. Richardson WD, et al. **J Virol** 1984 Aug;51(2):404–10
Genetic analysis of adeno-associated virus: properties of deletion mutants constructed in vitro and evidence for an adeno-associated virus replication function. Tratschin JD, et al. **J Virol** 1984 Sep;51(3):611–9
Characterization of the DNA of a defective human parvovirus isolated from a genital site. Bantel-Schaal U, et al. **Virology** 1984 Apr 15;134(1):52–63
Recombination between simian virus 40 and adeno-associated virus: virion coinfection compared to DNA cotransfection. Grossman Z, et al. **Virology** 1984 Apr 15;134(1):125–37

ADENOCARCINOMA

Early gastric cancer. Carter KJ, et al. **Ann Surg** 1984 May; 199(5):604–9
Cancer in the gastric remnant in China—a review of 33 cases in China. Li ZL, et al. **Gastroenterol Jpn** 1984 Apr; 19(2):131–5
Genitourinary tumors IV: adenocarcinoma of the kidney. Graham SD Jr. **J Med Assoc Ga** 1983 Dec;72(12):863–5, 861
Multiple primary carcinoma of the lung. Chung TS. **J Surg Oncol** 1983 Oct;24(2):124–8
Renal cell carcinoma and the clonogenic assay. Fleischmann J, et al. **J Urol** 1983 Dec;130(6):1060–2
Prostatic cancer: a personal view of the problem. Jewett HJ. **J Urol** 1984 May;131(5):845–9
Long-term survival of untreated bilateral renal cell carcinoma with supradiaphragmatic vena caval thrombus. Schorn A, et al. **J Urol** 1984 Jan;131(1):108–9
Anal duct carcinoma (a case report and review of literature). Vandal MT, et al. **Med J Zambia** 1983 Apr;17(2):59–60
Renal-cell carcinoma. Introduction. Harris DT, et al. **Semin Oncol** 1983 Dec;10(4):365
Adenocarcinoma of the colon and rectum in patients during the first four decades of life. Bailey HR, et al. **Tex Med** 1983 Jul;79(7):30–2
[Vaginal bleeding as the presenting symptom of adenocarcinoma of the kidney] Vedel T, et al. **Ugeskr Laeger** 1983 Nov 21;145(47):3668 (Eng. Abstr.) **(Dan)**
[Merkel cell tumor (neuroendocrine carcinoma). Study of a case with ultrastructural and immunohistochemical findings] Zina G, et al. **G Ital Dermatol Venereol** 1983 Mar-Apr;118(2):81–8 (Eng. Abstr.) **(Ita)**
[Antineoplastic agent sensitivity test by a stem cell assay. 1. Primary culture of renal cell carcinoma in a soft agar medium] Sakuramoto T, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Jul;74(7):1081–5 (Eng. Abstr.) **(Jpn)**
[Spontaneous remission of metastases from renal cancer] Fossâ SD, et al. **Tidsskr Nor Laegeforen** 1984 Mar 20; 104(8):583–5 (Eng. Abstr.) **(Nor)**

ANALYSIS

Occurrence of acid and neutral cysteine proteinase inhibitors in epidermal malignancies: immunohistochemical study. Rinne A, et al. **Acta Histochem (Jena)** 1984;74(1):75–9
Keratins of different molecular weight in exfoliated mesothelial and adenocarcinoma cells—an aid to cell identification. Walts AE, et al. **Am J Clin Pathol** 1984 Apr; 81(4):442–6
Expression of laminin in pancreatic neoplasms and in chronic pancreatitis. Haglund C, et al. **Am J Surg Pathol** 1984 Sep; 8(9):669–76
Retinoic acid binding protein in human and experimental pancreatic carcinomas in hamsters. Brandes M, et al. **Ann Clin Lab Sci** 1983 Sep-Oct;13(5):400–6
Immunoelectrophoretic demonstration of albumin in breast cancer. Gómez P, et al. **Arch Invest Med (Mex)** 1983; 14(3):241–5 **(Eng, Spa)**
Purification and properties of a plasminogen activator from cultured rat prostate adenocarcinoma cells. Strickland DK, et al. **Biochemistry** 1983 Sep 13;22(19):4444–9
Laminin and fibronectin in rectal adenocarcinoma: relationship to tumour grade, stage and metastasis. Forster SJ, et al. **Br J Cancer** 1984 Jul;50(1):51–61
Cells of origin in human gastric neoplasms. Chen CK, et al. **Cancer Lett** 1983 Dec;21(2):195–200
Estradiol and progesterone receptors in malignant gastrointestinal tumors. Sica V, et al. **Cancer Res** 1984 Oct; 44(10):4670–4
Selective elevation of the N1-acetylspermidine level in human colorectal adenocarcinomas. Takenoshita S, et al. **Cancer Res** 1984 Feb;44(2):845–7
DNA cytometry on four-micrometer sections of paraffin-embedded human renal adenocarcinomas and adenomas. Bennington JL, et al. **Cytometry** 1983 Jul; 4(1):31–9
A gamma-detecting probe for radioimmune detection of CEA-producing tumors. Successful experimental use and clinical case report. Aitken DR, et al. **Dis Colon Rectum** 1984 May;27(5):279–82
Cell surface glycoproteins of 13762NF mammary adenocarcinoma clones of differing metastatic potentials. Steck PA, et al. **Exp Cell Res** 1983 Sep;147(2):255–67
Comparative study of CEA staining in gastric and colorectal cancer tissues. Kojima O, et al. **Gastroenterol Jpn** 1984 Feb; 19(1):18–23
The relationship of histologic and histochemical parameters to progesterone receptor status in endometrial adenocarcinomas. Zaino RJ, et al. **Gynecol Oncol** 1983 Oct; 16(2):196–208
Immunohistochemical localization of prostate-specific acid phosphatase and prostate-specific antigen in stage A2 adenocarcinoma of the prostate: prognostic implications. Epstein JI, et al. **Hum Pathol** 1984 Sep;15(9):853–9
Structure and composition of microcalcifications in benign and malignant lesions of the breast: study by light microscopy, transmission and scanning electron microscopy, microprobe analysis, and X-ray diffraction. Frappart L, et al. **Hum Pathol** 1984 Sep;15(9):880–9
Immunohistochemical demonstration of peptide hormones in cervical adenocarcinomas with argyrophil cells. Ueda G, et al. **Int J Gynecol Pathol** 1984;2(4):373–9
Novel fucolipids accumulating in human adenocarcinoma. II. Selective isolation of hybridoma antibodies that differentially recognize mono-, di-, and trifucosylated type 2 chain. Fukushi Y, et al. **J Biol Chem** 1984 Apr 10; 259(7):4681–5
Novel fucolipids accumulating in human adenocarcinoma. III. A hybridoma antibody (FH6) defining a human cancer-associated difucoganglioside (VI3NeuAcV3III3Fuc2nLc6). Fukushi Y, et al. **J Biol Chem** 1984 Aug 25;259(16):10511–7
Novel fucolipids accumulating in human adenocarcinoma. I. Glycolipids with di- or trifucosylated type 2 chain. Hakomori S, et al. **J Biol Chem** 1984 Apr 10;259(7):4672–80
Structures of the major oligosaccharides from a human rectal adenocarcinoma glycoprotein. Kurosaka A, et al. **J Biol Chem** 1983 Oct 10;258(19):11594–8
Adrenal androgen concentrations in breast tumours and in normal breast tissue. The relationship to oestradiol metabolism. Bonney RC, et al. **J Steroid Biochem** 1984 Jan; 20(1):501–4
The distribution of acidic coomassie blue-stained proteins from uninvolved human liver, hepatoma, normal colon, primary colon cancer, and colon metastases to the liver, determined by two-dimensional protein electrophoresis. Anderson KM, et al. **J Surg Oncol** 1983 Nov;24(3):184–91
The relationship of androgen receptor levels to androgen responsiveness in the Dunning R3327 rat prostate tumor sublines. Diamond DA, et al. **J Urol** 1984 Oct;132(4):821–7
Involucrin in lung tumors. A specific marker for squamous differentiation. Said JW, et al. **Lab Invest** 1983 Nov; 49(5):563–8
Histographic DNA pattern as an aid for diagnosis and therapy of minimal invasive endometrial cancer. Herzog RE, et al. **Onkologie** 1984 Feb;7(1):27–31
Expression of an 86-kilodalton glycoprotein in an idiopathic mammary adenocarcinoma of a BALB/c mouse. Sarkar NH, et al. **Proc Natl Acad Sci USA** 1984 Jul;81(13):4159–63
Androgen receptor assay in small biopsies of human prostate. Preservation of nuclear receptor from rat ventral prostate by lyophilization. de Larminat MA, et al. **Prog Clin Biol Res** 1984;142:247–59
Regulation of estrogen receptor levels in endometrial cancer cells. Gurpide E, et al. **Prog Clin Biol Res** 1984;142:145–65
Fluorescent androgen derivatives do not discriminate between androgen receptor-positive and -negative human tumor cell lines. Berns EM, et al. **Prostate** 1984;5(4):425–37
Pancreatic juice protein associated with chronic pancreatitis and adenocarcinoma of the pancreas. Schneider MU, et al. **Scand J Gastroenterol** 1984 Mar;19(2):139–44
Glycosaminoglycans of human colonic mucosa and colonic adenocarcinoma. Isemura M, et al. **Tohoku J Exp Med** 1984 Jan;142(1):89–95
Prognostic significance of progesterone receptors alone or in association with estrogen receptors in human breast cancer. Di Fronzo G, et al. **Tumori** 1984 Apr 30; 70(2):159–64
[Stability of steroid receptors from breast tumors at different storage temperatures] Locher GW, et al. **Pathologe** 1984 Mar;5(2):82–5 **(Ger)**
[DNA-RNA cytofluorometry for a primary cancer of the stomach and choledochus] Kamachi M, et al. **Gan No Rinsho** 1984 May;30(5):466–72 (Eng. Abstr.) **(Jpn)**
[5-Fluorouracil concentration in various tissues from cancer patients after oral administration of 5-fluorouracil] Nakamura T, et al. **Gan To Kagaku Ryoho** 1984 May; 11(5):1037–48 (Eng. Abstr.) **(Jpn)**
[Endocrinal studies of DMBA-induced ovarian cancer—detection of progesterone receptor and morphologic changes following progesterone application] Kamura N. **Nippon Gan Chiryo Gakkai Shi** 1983 Oct 20; 18(7):1873–82 (Eng. Abstr.) **(Jpn)**
[Intravesical instillation of adriamycin and its concentration in bladder tumor] Nakada T, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Jun;74(6):1015–22 (Eng. Abstr.) **(Jpn)**
[Carcinoembryonic antigen, alpha-fetoprotein and human chorionic gonadotropin producing gastric cancer] Honda T, et al. **Nippon Naika Gakkai Zasshi** 1984 Apr;73(4):521–6 **(Jpn)**
[Serial transplantation of 2 strains of CEA-producing, poorly differentiated adenocarcinoma of man into nude mice] Ezaki T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 May; 80(5):1118–25 (Eng. Abstr.) **(Jpn)**
[Localization of carcinoembryonic antigen (CEA) in atypical epithelial foci and well-differentiated early cancer of the stomach] Kohfuji K. **Nippon Shokakibyo Gakkai Zasshi** 1983 May;80(5):1111–7 (Eng. Abstr.) **(Jpn)**
[Cytoplasmic steroid hormone receptors in the tumors of endometrial cancer patients] Kuz'mina ZV, et al. **Akush Ginekol (Mosk)** 1984 Apr;(4):29–32 (Eng. Abstr.) **(Rus)**
[Cytoplasmic androgen and estrogen receptor content in the tissues of human prostatic cancer] Kushlinskii NE, et al. **Urol Nefrol (Mosk)** 1984 Jul-Aug;(4):41–6 (Eng. Abstr.) **(Rus)**

BLOOD

Acquired factor IX inhibitor in a patient with adenocarcinoma of the colon. Collins HW, et al. **Acta Haematol (Basel)** 1984;71(1):49–52
Basal cell carcinomas, gastrointestinal carcinomas, and ulcerative colitis in relation to the disappearance of a plasma factor. Klein A, et al. **Cancer Detect Prev** 1983; 6(6):527–30
Increased plasma fibronectin concentrations in tumor bearing mice. Siri A, et al. **Cancer Lett** 1983 Dec;21(2):117–23
Histocompatibility antigen loss in gastric carcinoma cells and its significance. Li Z, et al. **Chin Med J [Engl]** 1983 Oct; 96(10):759–64
Changes in serum acute phase proteins in ovarian cancer patients receiving cis-diamminedichloroplatinum (CDDP) infusion therapy. Fish RG, et al. **Clin Biochem** 1984 Feb; 17(1):39–41
Alteration of lipid metabolism associated with renal adenocarcinoma in the Wistar-Lewis rat. Babayan RK, et al. **J Urol** 1984 Aug;132(2):410–1
Significance of serum tumor markers in patients with carcinoma of the ovary. Kikuchi Y, et al. **Obstet Gynecol** 1984 Apr;63(4):561–6
Acute phase response in bronchiectasis and bronchus carcinoma. Nel AE, et al. **Respiration** 1984;45(4):406–10
Serum immunoreactive calcitonin in lung cancer. Conte N, et al. **Tumori** 1984 Apr 30;70(2):137–40
Fibrinogen degradation products in urological malignant tumors. Riedmiller H, et al. **Urol Int** 1984;39(1):13–5
[Vitamin A level and dark adaptation in patients with tumors] Daxecker F, et al. **Klin Monatsbl Augenheilkd** 1984 Feb; 184(2):112–4 (Eng. Abstr.) **(Ger)**
[Increased sedimentation rate] Vetter W. **Schweiz Rundsch Med Prax** 1984 Apr 24;73(17):559–61 (Eng. Abstr.) **(Ger)**
[Does an obturation in colorectal cancer also modify the behavior of the serum CEA level?] Wedell J, et al. **Zentralbl Chir** 1983;108(15):967–73 (Eng. Abstr.) **(Ger)**
[Study of immunosuppressive acidic protein (IAP) in patients with renal cell cancer] Shibayama T, et al. **Gan No Rinsho** 1984 May;30(5):481–6 (Eng. Abstr.) **(Jpn)**
[Serum thyroglobulin in thyroid neoplasms] Mimura T, et al. **Horumon To Rinsho** 1983 Aug;31(8):731–5 **(Jpn)**
[Thyroglobulin as a tumor marker in thyroid adenocarcinoma—its effectiveness and problems in monitoring cancer activities] Aoki N, et al. **Nippon Gan Chiryo Gakkai Shi** 1983 Apr 20;18(3):673–81 (Eng. Abstr.) **(Jpn)**
[Case of alpha-fetoprotein-producing lung cancer with right hemiplegia due to brain metastasis as a main symptom] Hayatsu M, et al. **Nippon Naika Gakkai Zasshi** 1983 Aug; 72(8):1035–40 **(Jpn)**
[Analysis of high risk factors in endometrial carcinoma—endocrine imbalances and dysfunctional uteri]

Morikawa S, et al.
Nippon Sanka Fujinka Gakkai Zasshi 1984 Apr;36(4):515–8 (Eng. Abstr.) **(Jpn)**

[Clinical significance of the serum concentration of carcino-embryonic antigen of stomach cancer patients at the preoperative examination stage] Miasoedov DV, et al. **Klin Khir** 1984 May;(5):12–4 (Eng. Abstr.) **(Rus)**

[Carcinoembryonic antigen in cancer of the rectum and colon] Prorokov VV, et al. **Klin Med (Mosk)** 1983 Jul; 61(7):86–9 **(Rus)**

[Tumor markers in the diagnosis of lung cancer] Tokarskaia ZB, et al. **Ter Arkh** 1983;55(10):117–21 (27 ref.) (Eng. Abstr.) **(Rus)**

[Plasma retinol, beta-carotene and ascorbic acid levels and functional activity of lymphocytes in patients with large intestine cancer] Sergeev AV. **Vopr Pitan** 1984 May-Jun; (3):27–30 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

Influence of hepatic artery ligation on survival. An experimental study in rats. Hafström L, et al.
Am J Surg 1984 May;147(5):688–91

Vascularization and tumour volume estimations of solitary liver tumours in rats. Carlsson G, et al.
Ann Chir Gynaecol 1983;72(4):187–91

Blood flow to primary tumors and lymph node metastases in SMT-2A tumor-bearing rats following intravenous flunarizine. Kaelin WG Jr, et al. **Cancer Res** 1984 Mar; 44(3):896–9

Morphology of the microvascular bed in primary human carcinomas of lung. Part II. Morphometric investigations of microvascular bed of lung tumors. Zieliński KW, et al. **Pathol Res Pract** 1984 Mar;178(4):369–77

Capillary blood flow in murine tumors, feet, and intestines during localized hyperthermia. Peck JW, et al.
Radiat Res 1983 Oct;96(1):65–81

Angiogenesis induction by lymphocytes from tumor-bearing mice in a syngeneic combination. Davel L, et al.
Transplantation 1984 Mar;37(3):327–8

[Histopathological study on the vascular invasion in advanced gastric carcinomas] Shinkai K, et al.
Gan No Rinsho 1984 Jun;30(7):791–8 (Eng. Abstr.) **(Jpn)**

[Diagnostic ability of angiography on invasion depth of gastric cancer] Azuma T, et al.
Nippon Shokakibyo Gakkai Zasshi 1984 Mar;81(3):844–54 (Eng. Abstr.) **(Jpn)**

[Clinico-pathological study of venous invasion in colorectal cancers] Konishi F. **Nippon Shokakibyo Gakkai Zasshi** 1983 Aug;80(8):1599–609 (Eng. Abstr.) **(Jpn)**

CHEMICALLY INDUCED

Vaginal adenosis and diethylstilboestrol. Emens M.
Br J Hosp Med 1984 Jan;31(1):42–8

Experimental studies on the carcinogenicity of five nitrogen containing polycyclic aromatic compounds directly injected into rat lungs. Deutsch-Wenzel RP, et al.
Cancer Lett 1983 Aug;20(1):97–101

Relative carcinogenic activity of various synthetic and natural estrogens in the Syrian hamster kidney. Li JJ, et al. **Cancer Res** 1983 Nov;43(11):5200–4

Inhibition of initiation and promotion by N-methylnitrosourea-induced colon carcinogenesis in rats by non-steroid anti-inflammatory agent indomethacin. Narisawa T, et al. **Carcinogenesis** 1983 Oct;4(10):1225–7

Lack of effect of dietary fat on N-nitrosomethyl urea (NMU)-induced colon tumorigenesis in rats. Nauss KM, et al. **Carcinogenesis** 1984 Feb;5(2):255–60

Effect of lead acetate on N-(4'-fluoro-4-biphenyl)acetamide-induced renal carcinogenesis in the rat. Tanner DC, et al.
Carcinogenesis 1984 Sep;5(9):1109–13

Development of adenocarcinomas after transplantation of rat glandular stomachs treated in vitro with N-methyl-N'-nitro-N-nitrosoguanidine (MNNG). Kurokawa Y, et al. **Experientia** 1983 Dec 15;39(12):1404–7

Effects of sodium chloride, saccharin, phenobarbital and aspirin on gastric carcinogenesis in rats after initiation with N-methyl-N'-nitro-N-nitrosoguanidine. Takahashi M, et al. **Gann** 1984 Jun;75(6):494–501

Changes in lipid profiles of estrogen-induced and transplanted renal carcinomas in Syrian hamsters. Talley DJ, et al. **Int J Cancer** 1983 Nov 15;32(5):617–21

Genital clear cell adenocarcinoma. Johnston GA Jr, et al. **Int Surg** 1983 Jul-Sep;68(3):257–61

Streptozotocin prevents development of nitrosamine-induced pancreatic cancer in the Syrian hamster. Bell RH Jr, et al. **J Surg Oncol** 1983 Dec;24(4):258–62

Adenocarcinoma of the lung in Vietnam veterans younger than 35 years [letter] Schacter L, et al. **JAMA** 1984 Feb 3;251(5):604

Carcinogenicity of potassium bromate administered orally to F344 rats. Kurokawa Y, et al. **JNCI** 1983 Nov;71(5):965–72

Carbon dioxide laser treatment of vaginal adenosis in DES-exposed offspring: a prospective study. Bellina JH, et al. **Lasers Surg Med** 1983;3(1):23–8

[Breast cancer induced by estrogens in a prostate cancer patient] Suhler A, et al. **J Urol (Paris)** 1983;89(5):355–9 (Eng. Abstr.) **(Fre)**

[Experimental minute gastric cancer induced by N-ethyl-N'-nitro-N-nitrosoguanidine in dogs] Nomura H, et al. **Nippon Geka Gakkai Zasshi** 1984 Jan;85(1):29–37 (Eng. Abstr.) **(Jpn)**

[Strain differences in susceptibility of rat colon to 1,2-dimethyl-hydrazine] Kamiya J, et al.
Nippon Shokakibyo Gakkai Zasshi 1983 Sep;80(9):1731–4 (Eng. Abstr.) **(Jpn)**

[MNNG-induced gastrointestinal tumors in rats of different ages] Sherenesheva NI. **Vopr Onkol** 1983;29(11):86–92 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Glandular intraepithelial neoplasia (GIN)--a unifying concept of the precursors of endometrial adenocarcinoma. Ruffolo EH, et al. **Aust NZ J Obstet Gynaecol** 1983 Nov; 23(4):220–5

Automatic preoperative classification of carcinoma of the colon and rectum. Devesa J, et al. **Surg Gynecol Obstet** 1984 May;158(5):482–7

COMPLICATIONS

The frequency of carcinoma in Crohn's disease. Ihász M, et al. **Acta Chir Hung** 1984;25(1):13–20

Carcinoma of the pancreas presenting as hyperglycemic, hyperosmolar non-ketotic coma. Borsey DQ, et al.
Acta Diabetol Lat 1983 Jul-Sep;20(3):279–81

Multiple neoplasms in hairy cell leukaemia. Lawlor E, et al. **Acta Haematol (Basel)** 1984;72(1):57–60

Amyloid-associated muscle pseudohypertrophy and multiple myeloma in a man with hypernephroma. Elomaa I, et al.
Acta Med Scand 1983;214(1):87–91

Diagnostic oncology case study. Slow-healing pelvic fractures in a patient with endometrial cancer. Nussbaum H, et al. **AJR** 1984 Apr;142(4):766–8

Barrett's esophagus with adenocarcinoma in scleroderma. McKinley M, et al. **Am J Gastroenterol** 1984 Jun; 79(6):438–9

Exocrine pancreatic cancer with humoral hypercalcemia. Monno S, et al. **Am J Gastroenterol** 1984 Feb;79(2):128–32

Endometrial adenocarcinoma and the Stein-Leventhal syndrome. Tsoutsoplides GC. **Am J Obstet Gynecol** 1983 Dec 1;147(7):844–5

Shoulder-hand syndrome and symmetrical arthralgia in patients with tubo-ovarian carcinoma. Taggart AJ, et al.
Ann Rheum Dis 1984 Jun;43(3):391–3

Cardiac tamponade as first manifestation of colonic cancer. Kacenelenbogen R, et al. **Arch Intern Med** 1984 Mar; 144(3):622–3

Bone marrow necrosis associated with tumor emboli and disseminated intravascular coagulation [letter] Laso FJ, et al. **Arch Intern Med** 1983 Nov;143(11):2220

Multilocular renal cysts in adults. Possible relationship to renal adenocarcinoma. Taxy JB, et al.
Arch Pathol Lab Med 1983 Dec;107(12):633–7

Acquired pulmonary stenosis due to pleomorphic adenocarcinoma. Flint EJ, et al. **Br Heart J** 1984 Apr; 51(4):457–61

Age-related trends of gastritis and intestinal metaplasia in gastric carcinoma patients and in controls representing the population at large. Sipponen P, et al. **Br J Cancer** 1984 Apr;49(4):521–30

Adenocarcinoma arising in a rectal duplication. Freemont AJ, et al. **Br J Clin Pract** 1983 Nov-Dec;37(11-12):398, 403

Paraneoplastic phenomena [letter] Arora A, et al.
Br Med J [Clin Res] 1984 Jul 21;289(6438):191

An unusual pulmonary embolus. Fraser JR, et al.
Bristol Med Chir J 1984 Jan;99(369):8–10

Prostatic adenocarcinoma with carcinoidal features producing adrenocorticotropic syndrome. Immunohistochemical study and review of the literature. Ghali VS, et al. **Cancer** 1984 Sep 15;54(6):1043–8

Remission and exacerbation of tumor-related nephrotic syndrome with treatment of the neoplasm. Robinson WL, et al. **Cancer** 1984 Sep 15;54(6):1082–4

Pulmonary lymphangitic carcinomatosis from occult stomach carcinoma in young adults: an unusual cause of dyspnea [letter] Dennstedt FE, et al. **Chest** 1983 Dec;84(6):787–8

Atypical dermatitis herpetiformis in two patients with internal malignancy. Walton S, et al.
Clin Exp Dermatol 1984 Jul;9(4):402–6

Carcinomatous monoarthritis. Kaklamanis P, et al.
Clin Rheumatol 1984 Mar;3(1):81–4

Seborrheic keratosis and papillomatosis: markers of breast adenocarcinoma. Friedman-Birnbaum R, et al. **Cutis** 1983 Aug;32(2):161–2

Sweet's syndrome and ovarian carcinoma. Nguyen KQ, et al. **Cutis** 1983 Aug;32(2):152–4

Generalized vitiligo after erythroderma. Schwartz RA, et al. **Dermatologica** 1983;167(1):42–6

Nontraumatic Clostridium septicum gangrenous myonecrosis. Collier PE, et al. **Dis Colon Rectum** 1983 Nov; 26(11):703–4

Intussusception of the appendix. Langsam LB, et al.
Dis Colon Rectum 1984 Jun;27(6):387–92

Streptococcus bovis endocarditis and its association with colonic carcinoma. Silver SC. **Dis Colon Rectum** 1984 Sep; 27(9):613–4

Duodenocolic fistula due to adenocarcinoma of the pancreas. Pink R, et al. **Gastrointest Radiol** 1984;9(3):235–7

Anomalous pancreaticobiliary duct union associated with bile duct carcinoma. Strijk SP, et al. **Gastrointest Radiol** 1984; 9(1):49–51

Vesicocolic fistula formed by 'collision' tumor between transitional cell carcinoma of urinary bladder and adenocarcinoma of the sigmoid colon. Oda Y, et al.
Hinyokika Kiyo 1984 Jan;30(1):55–8

Tumor-dependent hypertension [clinical conference] Corvol P. **Hypertension** 1984 Jul-Aug;6(4):593–6

Disseminated herpes zoster and hypernephroma: chance incidence or first reported case? Cohen N, et al.
Isr J Med Sci 1984 Jun;20(6):547–8

Sign of Leser-Trélat: report of two cases and review of the literature. Venencie PY, et al. **J Am Acad Dermatol** 1984 Jan;10(1):83–8

Adenocarcinoma of the cecum in association with Crohn's disease: report of a case. Moses RE, et al.
J Am Osteopath Assoc 1984 Jul;83(11):786–8

Eruptive seborrhoeic warts with gastric adenocarcinoma. Coburn PR, et al. **J R Soc Med** 1984 Mar;77(3):245–6

Dermatomyositis and multiple malignancies in a patient treated with methotrexate. Callen JP. **J Surg Oncol** 1983 Oct;24(2):113–6

Renal cell carcinoma in a horseshoe kidney. Wiener M, et al. **J Surg Oncol** 1984 May;26(1):77–8

Adenocarcinoma in exstrophy of the bladder--the last case in Scandinavia? A case report and review of literature. Nielsen K, et al. **J Urol** 1983 Dec;130(6):1180–2

Poorly differentiated adenocarcinoma of the rectum in a nephrotic patient with focal segmental glomerulosclerosis. Kitano S, et al. **Jpn J Surg** 1984 Mar;14(2):155–8

Intubation of malignant pyloric obstruction [letter] Cade RJ, et al. **Lancet** 1983 Dec 24-31;2(8365-66):1501

Corticosteroidogenic tumour of the kidney causing primary aldosteronism with the histologic appearance of a hypernephroma. Scattini CM, et al. **Medicina (B Aires)** 1983;43(5):549–56

Metastatic hemiballism again [letter] Taylor RL.
Neurology (NY) 1984 Aug;34(8):1126

Acute appendicitis in a patient with concurrent adenocarcinoma and carcinoid tumor of the appendix. Fleisher AG, et al. **NY State J Med** 1984 Jun;84(6):321–2

Progressive multifocal leukoencephalopathy, myelodysplastic syndrome type II and prostatic carcinoma. Barber P, et al. **Postgrad Med J** 1984 Feb;60(700):157–8

Barrett Esophagus. Margulis AR, et al. **Radiology** 1984 Feb; 150(2):602

Simultaneous oesophageal and gastric carcinoma in an elderly man. A case report. Van Gelderen WF. **S Afr Med J** 1983 Sep 17;64(12):455–6

Microcytic hypochromic anemia associated with renal cell carcinoma. Kroll MH, et al. **South Med J** 1984 May; 77(5):635–7

Renal cell carcinoma associated with renal artery aneurysm. Report of two cases. Selli C, et al. **Urol Int** 1983;38(6):374–7

Acute urinary retention in female patients [letter] Bergman H. **Urology** 1984 Jul;24(1):111

Urinary retention in female patients induced by adenocarcinoma of urethra. Godec CJ, et al. **Urology** 1984 Mar;23(3):256–9

Hypertrophic osteoarthropathy in metastatic renal cell carcinoma. Golimbu C, et al. **Urology** 1983 Dec; 22(6):669–72

Xanthogranulomatous pyelonephritis with associated renal cell carcinoma. Goulding FJ, et al. **Urology** 1984 Apr; 23(4):385–6

Renal cell carcinoma and idiopathic thrombocytopenic purpura. Klimberg I, et al. **Urology** 1984 Mar;23(3):293–6

Adenocarcinoma arising in female urethral diverticulum. Patanaphan V, et al. **Urology** 1983 Sep;22(3):259–64

[Malignant neoplasm of the thyroid gland associated with Hashimoto's autoimmune thyroiditis] Simeonov L, et al. **Khirurgiia (Sofiia)** 1983;36(5):425–9 (Eng. Abstr.) **(Bul)**

[The extrarenal manifestation of renal cell carcinoma] Wu GQ. **Chung Hua Wai Ko Tsa Chih** 1983 Sep;21(9):526–7 (Eng. Abstr.) **(Chi)**

[Dyspnea in an occult thyroid carcinoma] Vermeersch H, et al. **Acta Otorhinolaryngol Belg** 1983;37(5):796–9 (Eng. Abstr.) **(Dut)**

[Achalasia of neoplastic origin (letter)] Julien PE, et al.
Gastroenterol Clin Biol 1984 Jan;8(1):86 **(Fre)**

[Hepatic hydatidosis in West Africa. Association with peritoneal carcinomatosis (letter)] Soubeyrand J, et al.
Presse Med 1984 Feb 25;13(8):505 **(Fre)**

[Hiatal hernia and esophageal cancer] Tornay PA, et al.
Sem Hop Paris 1984 Apr 19;60(17):1215 **(Fre)**

[Differential diagnosis at the bedside. Tumor anemia or microangiopathic hemolytic anemia?] Holzgreve H, et al.
MMW 1983 Sep 16;125(37):101–2 **(Ger)**

[Floating tumor thrombus extending into the right atrium in hypernephroma--sonographic demonstration] Umek H, et al. **ROFO** 1984 Apr;140(4):475–6 **(Ger)**

[Arterial hypertension: adenocarcinoma of the kidney or bilateral renal artery stenosis$] Beretta-Piccoli C, et al.
Schweiz Med Wochenschr 1984 Apr 28;114(17):601–4 (Eng. Abstr.) **(Ger)**

[Surgical use of transhepatic percutaneous cholangiography with palliative therapeutic purposes] Picardi N, et al.
Ann Ital Chir 1984;56(1):39–53 **(Ita)**

[Association of a renal malignant neoplasm with a polycystic kidney. Case report and literature review] Bulfoni A.
Minerva Urol 1983 Apr-Jun;35(2):157–60 (Eng. Abstr.) **(Ita)**

[Efficacy of intrapleural treatment with aclacinomycin

combined with closed tube thoracostomy for malignant pleural effusion] Fujii M, et al. **Gan No Rinsho** 1984 Jul; 30(8):895–8 (Eng. Abstr.) **(Jpn)**

[Primary amyloidosis associated with early gastric carcinoma(IIb like IIa type) diagnosed by preoperative gastric biopsy—a case report] Hayashi I, et al. **Gan No Rinsho** 1983 Nov;29(14):1686–92 (Eng. Abstr.) **(Jpn)**

[Case of breast cancer associated with Recklinghausen's disease] Hiraide H, et al. **Gan No Rinsho** 1983 Nov; 29(14):1678–81 (Eng. Abstr.) **(Jpn)**

[Effect of 7–N–(P–hydroxyphenyl)–mitomycin C (KW–2083) against pleuritis carcinomatosa] Shimizu E, et al. **Gan To Kagaku Ryoho** 1984 Jun;11(6):1290–5 (Eng. Abstr.) **(Jpn)**

[A case of arteriovenous fistulae secondary to renal cell carcinoma accompanied by congestive heart failure] Nakada G, et al. **Hinyokika Kiyo** 1983 Aug;29(8):901–5 (Eng. Abstr.) **(Jpn)**

[A case of renal cell carcinoma in tuberous sclerosis followed by basic fetoprotein—a new carcinoembryonic protein] Takeuchi S, et al. **Hinyokika Kiyo** 1984 May;30(5):671–8 (Eng. Abstr.) **(Jpn)**

[Adenomatous goiter associated with thyroid cancer] Kobayashi A, et al. **Horumon To Rinsho** 1983 Jul; 31(7):611–3 **(Jpn)**

[Case of renal cell carcinoma causing Budd–Chiari syndrome by tumor thrombus of inferior vena cava] Yanagizawa R, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Sep; 74(9):1692–9 (Eng. Abstr.) **(Jpn)**

[Case of common variable hypogammaglobulinemia associated with gastric carcinoma] Mitsuya H, et al. **Nippon Naika Gakkai Zasshi** 1983 Jun;72(6):813–9 **(Jpn)**

[Embolism of the central nervous system due to seminal vesicle cancer] Koya G, et al. **Nippon Rinsho** 1983 Oct; 41(10):2402–11 **(Jpn)**

[Case of choledochal cyst with bile duct carcinoma] Ohtomo K, et al. **Rinsho Hoshasen** 1983 Aug;28(8):895–7 (Eng. Abstr.) **(Jpn)**

[A case of non–secretory myeloma (accompanied with gastric carcinoma) analyzed with plaque forming cell assay] Matsushita S, et al. **Rinsho Ketsueki** 1984 Mar;25(3):393–8 (Eng. Abstr.) **(Jpn)**

[Diagnostic difficulties in renal vein thrombosis in cancer of the kidney] Bielecki K, et al. **Wiad Lek** 1983 Sep 1; 36(17):1455–9 (Eng. Abstr.) **(Pol)**

[Gangrene of the ascending colon wall as a complication of cancer of the right colonic flexure] Grigorjew A. **Wiad Lek** 1983 Dec 15;36(24):2067–8 (Eng. Abstr.) **(Pol)**

[Coexistence of kidney calculi and calcified renal clear–cell carcinoma] Kossakowski JS. **Wiad Lek** 1983 Aug 1; 36(15):1305–8 (Eng. Abstr.) **(Pol)**

[Coexistence of breast and skin cancer in men] Pawelczyk Z, et al. **Wiad Lek** 1983 Sep 1;36(17):1475–7 (Eng. Abstr.) **(Pol)**

[Giant cell granulomatous mastitis] Prişcu A, et al. **Rev Chir [Chir]** 1983 Nov–Dec;32(6):401–6 (Eng. Abstr.) **(Rum)**

[Adenocarcinoma of the sebaceous gland at the level of the nasal pyramid with simultaneous laryngeal epithelioma] Cotulbea S, et al. **Rev Chir [Otorinolaringol]** 1984 Apr–Jun; 29(2):151–4 (Eng. Abstr.) **(Rum)**

[Acute intra–abdominal complications of stomach cancer] Lur'e AS. **Khirurgiia (Mosk)** 1984 Jun;(6):71–2 **(Rus)**

[Morphologic forms of cancer in patients with a combination of lung cancer and tuberculous lesions] Zhingel' IP, et al. **Probl Tuberk** 1984 May;(5):38–41 (Eng. Abstr.) **(Rus)**

[Complications after gastrectomy and proximal resection of the stomach for cancer] Darenskiĭ DI. **Vestn Khir** 1984 Jul;132(7):106–11 **(Rus)**

[Mechanical jaundice due to choledochal obstruction by a blood clot in gallbladder cancer] Myslovatyĭ BS, et al. **Vestn Khir** 1984 Jul;132(7):68–9 **(Rus)**

[Adenocarcinoma and bladder exstrophy] Ponce Socorro JM, et al. **Actas Urol Esp** 1983 Jul–Aug;7(4):325–8 (Eng. Abstr.) **(Spa)**

[Hemorrhagic ascites: an unusual presentation of hypernephroma (letter)] Molins JL, et al. **Med Clin (Barc)** 1983 Dec 10;81(19):879–80 **(Spa)**

[Non–bacterial thrombotic endocarditis and occult neoplasms (letter)] Rodríguez Marcos MA, et al. **Med Clin (Barc)** 1984 Feb 18;82(6):283 **(Spa)**

[Polyradiculoneuritis–dermatomyositosis as a paraneoplastic syndrome in stomach cancer] Ojeda Pérez E, et al. **Rev Clin Esp** 1983 May 31;169(4):269–70 **(Spa)**

CONGENITAL

Pancreatic carcinoma in a neonate. Robey G, et al. **Pediatr Radiol** 1983;13(5):284–6

DIAGNOSIS

Accuracy of endometrial aspiration in the diagnosis of endometrial cancer. Inoue Y, et al. **Acta Cytol (Baltimore)** 1983 Sep–Oct;27(5):477–81

Aspiration cytology of metastatic hypernephroma. Linsk JA, et al. **Acta Cytol (Baltimore)** 1984 May–Jun;28(3):251–60

Exfoliative cytodiagnosis of gastric adenocarcinoma. Comparison with biopsy and endoscopy. Moreno–Otero R, et al. **Acta Cytol (Baltimore)** 1983 Sep–Oct;27(5):485–8

Prognostic importance of ascites in ovarian carcinoma. Sorbe B, et al. **Acta Obstet Gynecol Scand** 1983;62(5):415–8

Carcinoma of the pancreas. Helman C. **Ala J Med Sci** 1983 Oct;20(4):402–4

Lectin binding in endometrial adenocarcinoma. Kluskens LF, et al. **Am J Clin Pathol** 1984 Sep;82(3):259–66

Results of prior cytologic screening in patients with a diagnosis of Stage I carcinoma of the cervix. Benoit AG, et al. **Am J Obstet Gynecol** 1984 Mar 1;148(5):690–4

Pancreatic carcinoma in pregnancy: a case report. Gamberdella FR. **Am J Obstet Gynecol** 1984 May 1; 149(1):15–7

Elevation of serum CA125 in carcinomas of the fallopian tube, endometrium, and endocervix. Niloff JM, et al. **Am J Obstet Gynecol** 1984 Apr 15;148(8):1057–8

Colonoscopy as a routine preoperative procedure for carcinoma of the colon. Maxfield RG. **Am J Surg** 1984 Apr;147(4):477–80

Clear cell variant of thyroid carcinoma. Civantos F, et al. **Am J Surg Pathol** 1984 Mar;8(3):187–92

Carcinoma of the gallbladder. Barr LH, et al. **Am Surg** 1984 May;50(5):275–6

Carcinoma masquerading as a pancreatic pseudocyst on ultrasound. Dennis JW, et al. **Am Surg** 1984 Jun;50(6):334–9

Prostatic acid phosphatase: clinical utility in detection, assessment, and monitoring carcinoma of the prostate. Pappas AA, et al. **Ann Clin Lab Sci** 1984 Jul–Aug; 14(4):285–91

Orbital metastasis from prostatic carcinoma. Identification by immunocytology. Reifler DM, et al. **Arch Ophthalmol** 1984 Feb;102(2):292–5

Not . . . achalasia [letter] Bardham KD, et al. **Br Med J [Clin Res]** 1984 Feb 18;288(6416):569–70

Assessment of gastric cancer by laparoscopy. Gross E, et al. **Br Med J [Clin Res]** 1984 May 26;288(6430):1577

Renal cell carcinoma presenting as Budd–Chiari syndrome [letter] Smith KC, et al. **Can Med Assoc J** 1984 Jan 1; 130(1):12–3

Detection of metastatic breast carcinoma cells by immunofluorescent demonstration of Thomsen–Friedenreich antigen. Seitz RC, et al. **Cancer** 1984 Sep 1;54(5):830–6

Significance of carcinoembryonic antigen levels and cytology of pure pancreatic juice in diagnosis of pancreatic cancer. Tatsuta M, et al. **Cancer** 1983 Nov 15;52(10):1880–5

Radioimmunodiagnosis of ovarian cancer using 123I–labelled, tumor–associated monoclonal antibodies. Epenetos AA, et al. **Cancer Detect Prev** 1984;7(1):45–9

The clinical presentation of gastric neoplasms in Zimbabwe. Stein M, et al. **Cent Afr J Med** 1983 Nov;29(11):217–9

Metastatic renal cell carcinoma simulating sarcoidosis. Analysis of 12 patients with bilateral hilar lymphadenopathy. Kutty K, et al. **Chest** 1984 Apr; 85(4):533–6

Colon carcinoma in pregnancy. Case report and review of literature. Zakut H, et al. **Clin Exp Obstet Gynecol** 1984; 11(1–2):27–31

The laboratory diagnosis of prostatic adenocarcinoma. Griffiths JC. **CRC Crit Rev Clin Lab Sci** 1983;19(3):187–204 (79 ref.)

Sonographic detection of early gallbladder cancer. Lampmann LE, et al. **Diagn Imag Clin Med** 1984; 53(2):99–103

Adenocarcinoma of the appendix simulating primary bladder carcinoma. Bartholomew LG, et al. **Dig Dis Sci** 1984 Apr; 29(4):371–5

Signet ring carcinoma of the pancreas, a rare variant with very high CEA values. Immunohistologic comparison with adenocarcinoma. Tracey KJ, et al. **Dig Dis Sci** 1984 Jun; 29(6):573–6

Delayed antemortem diagnosis of adenocarcinoma of the cecum presenting as lower extremity gas gangrene. Hallock GG. **Dis Colon Rectum** 1984 Feb;27(2):131–3

Diagnosis of early gastric cancers in the upper part of the stomach by the endoscopic Congo red–methylene blue test. Tatsuta M, et al. **Endoscopy** 1984 Jul;16(4):131–4

Peritoneoscopy and pancreas biopsy in the diagnosis of pancreatic diseases. Ishida H. **Gastrointest Endosc** 1983 Aug;29(3):211–8

Flow–cytometric DNA analysis as a means for early detection of malignancy in patients with chronic ulcerative colitis. Hammarberg C, et al. **Gut** 1984 Aug;25(8):905–8

Biochemical aids in the monitoring of patients with ovarian cancer. Meerwaldt JH, et al. **Gynecol Oncol** 1983 Oct; 16(2):209–18

Pure squamous cell carcinoma and mixed adenosquamous cell carcinoma of the thyroid gland. Segal K, et al. **Head Neck Surg** 1984 Jul–Aug;6(6):1035–42

Cytological & colposcopic evaluation in premalignant & early malignant lesions of the cervix. Singh V, et al. **Indian J Med Res** 1983 Jul;78 Suppl:54–9

Sonographic staging after nephrectomy for tumours. Schmoller H, et al. **Int Urol Nephrol** 1983;15(2):137–42

Carcinoma of the gallbladder: a six year review. Harding B, et al. **Ir J Med Sci** 1984 Feb;153(2):71–3

Ultrasonographic features of primary carcinoma of the gallbladder: a diagnostic dilemma. Field JS, et al. **J Am Osteopath Assoc** 1983 Sep;83(1):42–7

Isolated fracture of the lesser trochanter in adults: an initial manifestation of metastatic malignant disease. Bertin KC, et al. **J Bone Joint Surg [Am]** 1984 Jun;66(5):770–3

Basement membrane and apocrine epithelial antigens in differential diagnosis between tubular carcinoma and sclerosing adenosis of the breast. Ekblom P, et al. **J Clin Pathol** 1984 Apr;37(4):357–63

The role of colonoscopic evaluation following partial colon resection for adenocarcinoma. Brady PG, et al. **J Fla Med Assoc** 1984 Mar;71(3):155–7

Adenocarcinoma of the third part of duodenum. Hariaudh HN, et al. **J Indian Med Assoc** 1984 Feb;82(2):67–9

Primary adenocarcinoma of the duodenum arising from villous adenoma. Hsueh YS, et al. **J Indiana State Med Assoc** 1983 Nov;76(11):770–2

Prostate carcinoma presenting as intracranial hemorrhage. Case report. Barolat–Romana G, et al. **J Neurosurg** 1984 Feb;60(2):414–6

Small bowel carcinoma: a difficult diagnosis. Tulloch DN, et al. **J R Nav Med Serv** 1983 Summer;69(2):94–6

Carcinoembryogenic antigen and lysosomal enzymes in gastric juice as an aid in the diagnosis of gastric cancer. Graffner H, et al. **J Surg Oncol** 1983 Nov;24(3):233–5

Lymphomatoid granulomatosis masquerading as hypernephroma with lung metastases. Klein FA, et al. **J Urol** 1984 May;131(5):942–4

Clinicopathological conference. Abdominal pain, left retroperitoneal mass and right renal mass in a 62–year–old man. Maddux HB, et al. **J Urol** 1984 Feb;131(2):320–3

Tumor cell deoxyribonucleic acid content and prognosis in human renal cell carcinoma. Otto U, et al. **J Urol** 1984 Aug;132(2):237–9

Metastatic malignant melanoma mimicking renal cell carcinoma. Spera JA, et al. **J Urol** 1984 Apr;131(4):740–2

Cellular markers of renal adenocarcinoma [editorial] Sufrin G. **J Urol** 1984 Aug;132(2):322

Spontaneous eradication of adenocarcinoma arising in a colonic polyp [letter] Dye KR, et al. **JAMA** 1984 Mar 2; 251(9):1162

Ultrasonographic findings of small hypernephroma associated with renal cyst. Foster WL Jr, et al. **JCU** 1983 Oct; 11(8):463–6

Sonographic patterns of renal cell carcinoma with emphasis on relation to tumor size. Sugimoto S, et al. **JCU** 1984 Jun;12(5):247–50

A rare case of early carcinoma of the gallbladder. Nakama T, et al. **Jpn J Surg** 1984 Jan;14(1):34–8

Primary adenomatous neoplasm of the middle ear. Eden AR, et al. **Laryngoscope** 1984 Jan;94(1):63–7

Urachal carcinoma: case report and review of literature. Rajaram P, et al. **Md State Med J** 1983 Oct;32(10):770–2

Detection of endometrial carcinoma and hyperplasia in asymptomatic women. Koss LG, et al. **Obstet Gynecol** 1984 Jul;64(1):1–11

Renal cell carcinoma in the first two decades of life. Chan HS, et al. **Pediatr Radiol** 1983;13(6):324–8

Focal renal masses: magnetic resonance imaging. Choyke PL, et al. **Radiology** 1984 Aug;152(2):471–7

Male breast carcinoma and gynecomastia: comparison of mammography with sonography. Jackson VP, et al. **Radiology** 1983 Nov;149(2):533–6

Thyroid nodules: sonographic–pathologic correlation. Katz JF, et al. **Radiology** 1984 Jun;151(3):741–5

Investigating the adenocarcinoma of unknown origin (ACUP): a cost benefit analysis. Maisey MN, et al. **Rev Epidemiol Sante Publique** 1984;32(1):57–61

CT scanning and aspiration cytology in the management of parotid lesions. Ljung BM, et al. **Rev Laryngol Otol Rhinol (Bord)** 1984;105(1):21–4

An unusual presentation of carcinoma of the colon in a child. A case report. Heydenrych JJ, et al. **S Afr Med J** 1984 Apr 14;65(15):617–8

Early gastric carcinoma a non–Japanese experience. Lim TC, et al. **Singapore Med J** 1984 Feb;25(1):43–5

Incidental sonographic detection of renal cell carcinoma. Daughtry JD, et al. **South Med J** 1984 Mar;77(3):292–3

Metastasis to the funiculus spermaticus as the first sign of renal cell carcinoma. Marković B, et al. **World J Surg** 1983 Sep;7(5):669–71

[Infrared thermovision in the diagnosis of carcinoma of the thyroid gland in childhood] Lejska V, et al. **Cesk Otolaryngol** 1983 Jul;32(4):204–6 (Eng. Abstr.) **(Cze)**

[Cystine aminopeptidase activity is not a marker of ovarian adenocarcinoma] Perrault C, et al. **Ann Biol Clin (Paris)** 1983;41(3):222–3 **(Fre)**

[Anatomo–clinical conference. Hôpital de la Pitié–salpêtrière. Case no 6—1983. Adiastole 20 years after radiotherapy for Hodgkin's disease] Herson S, et al. **Ann Med Interne (Paris)** 1983;134(6):588–95 **(Fre)**

[Recto–sigmoid cancer and polyps in children. Comments apropos of 2 cases of atypical juvenile polyps] Philibert M, et al. **Chir Pediatr** 1984;25(1):28–31 (Eng. Abstr.) **(Fre)**

[Carcinoembryonic antigen in ascites and pleural effusions] Lirzin P, et al. **Gastroenterol Clin Biol** 1984 Mar;8(3):222–7 (Eng. Abstr.) **(Fre)**

[Isolated arterial hypertension during pregnancy disclosing a malignant tumor of the kidney. Apropos of a case] Steiner E, et al. **J Chir (Paris)** 1984 Feb;121(2):123–5 (Eng. Abstr.) **(Fre)**

[Association of colonic cancer and Merkel cell tumor. Diagnostic and therapeutic problems (letter)] Asquier P, et al. **Presse Med** 1984 Jan 28;13(3):164–5 **(Fre)**

[Detection of asymptomatic cancers of the kidney in adults. Value of abdominal echography (letter)] Barbe YP, et al. **Presse Med** 1984 Jun 23;13(26):1632–3 **(Fre)**

[Diagnosis and evaluation of the extent of cancer of the prostate] Heintz J, et al. **Sem Hop Paris** 1983 Oct 13; 59(36):2557–60 (Eng. Abstr.) **(Fre)**

[Primary adenocarcinoma of the duodenum. Clinical picture and radiological findings] Appel W, et al. **ROFO** 1984 Mar; 140(3):283–9 (Eng. Abstr.) **(Ger)**

[Adenocarcinoma of the endocervix in material submitted to a central cytodiagnostic laboratory] Munck C. **Zentralbl Gynakol** 1984;106(7):456–62 (Eng. Abstr.) **(Ger)**

[Disturbances of micturition as the presenting symptom of malignancy of the external female genitalia] Eisenkraft S, et al. **Harefuah** 1983 Mar 1;104(5):174–5 (Eng. Abstr.) **(Heb)**

[Urologically silent Grawitz tumor. General framework of paraneoplastic syndromes and personal experiences] Frabetti F, et al. **Minerva Med** 1983 Sep 22;74(36):2085–92 (Eng. Abstr.) **(Ita)**

[New prospects offered by echography in the diagnosis of carcinoma of the gallbladder] Pollice S, et al. **Minerva Med** 1984 Feb 11;75(5):153–60 (Eng. Abstr.) **(Ita)**

[Immunohistochemical identification of specific prostatic phosphatases and specific prostatic antigen in prostatic tumors] Bonetti F, et al. **Pathologica** 1983 Nov–Dec; 75(1040):789–95 (Eng. Abstr.) **(Ita)**

[Follicular carcinoma of the thyroid gland. Diagnostic and therapeutic considerations on 139 patients] Spreafico G, et al. **Radiol Med (Torino)** 1983 Dec;69(12):946–55 (Eng. Abstr.) **(Ita)**

[Preoperative diagnosis for stage II endometrial carcinoma using endocervical conization] Fukuda K, et al. **Gan No Rinsho** 1984 Jul;30(8):933–6 (Eng. Abstr.) **(Jpn)**

[A case report of primary double cancer of the stomach and choledochus] Kamachi M, et al. **Gan No Rinsho** 1984 Jan; 30(1):81–5 (Eng. Abstr.) **(Jpn)**

[A case of multicentric early carcinoma of the stomach—preoperative diagnosis] Kamiya T, et al. **Gan No Rinsho** 1984 Mar;30(3):296–300 (Eng. Abstr.) **(Jpn)**

[A case of highly atypical hyperplasia—difficult to differentiate from carcinoma] Katayama S, et al. **Gan No Rinsho** 1984 Jun;30(7):865–70 (Eng. Abstr.) **(Jpn)**

[Diagnosis and treatment of renal cell carcinoma] Machida T, et al. **Gan To Kagaku Ryoho** 1983 Oct;10(10):2103–10 (Eng. Abstr.) **(Jpn)**

[Functioning parathyroid tumor with pain in the knee joint] Katoh K, et al. **Horumon To Rinsho** 1983 Aug;31(8):757–60 **(Jpn)**

[Usefulness of blood thyroglobulin determination in patients with thyroid cancer] Ikekubo K, et al. **Kaku Igaku** 1983 Apr;20(3):313–9 (Eng. Abstr.) **(Jpn)**

[Detection of latent cancer by sequential parallel sectioning of the hypertrophic prostatic tissue] Kuroda M, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Mar;74(3):401–8 (Eng. Abstr.) **(Jpn)**

[Cytological diagnosis of endometrial cancer with 'Endocyte'] Kurihara S. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Jul; 36(7):1117–21 **(Jpn)**

[Imaging diagnosis of gallbladder carcinoma] Kanazawa S, et al. **Rinsho Hoshasen** 1984 Jan;29(1):49–56 (Eng. Abstr.) **(Jpn)**

[Cytological studies in the diagnosis of malignant neoplasms of the large intestine. Clinico–morphological comparisons] Depczyńska A. **Ann Acad Med Stetin** 1983;29:247–58 (20 ref.) (Eng. Abstr.) **(Pol)**

[Evaluation of the enema in the diagnosis of colonic neoplasms in comparison with colonoscopy] Bartnik W, et al. **Pol Tyg Lek** 1983 May 16–23;38(20–21):625–8 (Eng. Abstr.) **(Pol)**

[Symptoms and the degree of invasiveness of large-intestinal cancer] Ostrowski J, et al. **Pol Tyg Lek** 1984 Jan 16; 39(3):79–81 (Eng. Abstr.) **(Pol)**

[Difficulties in the early diagnosis of cancer of the gallbladder] Jabłońska–Kaszewska I, et al. **Wiad Lek** 1984 Jan 1;37(1):12–20 (Eng. Abstr.) **(Pol)**

[A case of ovarian adenoacanthoma in a 74–year–old woman] Sward J, et al. **Wiad Lek** 1983 Nov 1;36(21):1805–7 (Eng. Abstr.) **(Pol)**

[The relation between adenomatous gastric polyp and gastric cancer. Problems of diagnosis and treatment] Funariu G, et al. **Rev Chir [Chir]** 1983 Sep–Oct;32(5):371–6 (Eng. Abstr.) **(Rum)**

[Diagnosis and surgical treatment of early forms of stomach cancer] Chernousov AF, et al. **Khirurgiia (Mosk)** 1983 Aug; (8):100–4 (Eng. Abstr.) **(Rus)**

[Diagnosis of disseminated processes in the lungs in adolescents] Firsova VA, et al. **Klin Med (Mosk)** 1983 Aug; 61(8):35–7 (Eng. Abstr.) **(Rus)**

[Contact endomicroscopy of the large intestine with 170–fold magnification] Khankin SL, et al. **Klin Med (Mosk)** 1984 Jan;62(1):126–30 (Eng. Abstr.) **(Rus)**

[Diagnosis of oncologic diseases of the respiratory organs in patients in tuberculosis hospitals] Topchiev ShR, et al. **Probl Tuberk** 1983 Dec;(12):20–3 (Eng. Abstr.) **(Rus)**

[Causes of missed diagnosis of rectal cancer] Bobrov MIa, et al. **Sov Med** 1983;(12):86–8 **(Rus)**

[Follicular tumor and sarcoma of the breast] Stranadko EF, et al. **Sov Med** 1983;(12):97–9 **(Rus)**

[Bilateral cancer of the kidneys] Pytel' IuA, et al. **Urol Nefrol (Mosk)** 1983 Sep–Oct;(5):17–20 (8 ref.) (Eng. Abstr.) **(Rus)**

[Bronchoscopic diagnosis of peripheral lung cancer] Maksimov IA, et al. **Vopr Onkol** 1983;29(11):53–7 (Eng. Abstr.) **(Rus)**

[Adenocarcinoma of the colon in children. Study of a case] Ferreira–Vianna RS, et al. **Bol Med Hosp Infant Mex** 1984 Apr;41(4):227–30 (Eng. Abstr.) **(Spa)**

[Adenocarcinoma of the colon in children. Study of 2 cases] Larios–Arceo F, et al. **Bol Med Hosp Infant Mex** 1984 Apr;41(4):223–6 (Eng. Abstr.) **(Spa)**

[Hypernephroma in a schoolgirl] Osuna–Peregrina JA, et al. **Bol Med Hosp Infant Mex** 1983 Mar;40(3):152–7 (Eng. Abstr.) **(Spa)**

[Puncture and fine–needle aspiration in thyroid nodules] Galofré JC, et al. **Med Clin (Barc)** 1983 May 21; 80(18):786–7 (Eng. Abstr.) **(Spa)**

[Cimetidine and gastric cancer (letter)] Rodrigo Rodríguez M, et al. **Med Clin (Barc)** 1983 Sep 24;81(8):367 **(Spa)**

[Unusual manifestations of renal adenocarcinoma. Apropos of 6 cases] Merino Angulo J, et al. **Rev Clin Esp** 1983 Nov 30;171(4):251–3 (Eng. Abstr.) **(Spa)**

[Association of intestinal malignant leiomyoblastoma and adenocarcinoma of the sigmoid. Metachronous cancer] de Santiago Urquijo F, et al. **Rev Esp Enferm Apar Dig** 1984 May;65(5):461–8 (Eng. Abstr.) **(Spa)**

[Primary adenocarcinoma of jejunum. Apropos of a case] Díaz–Faes J, et al. **Rev Esp Enferm Apar Dig** 1983 Dec; 64(6):535–8 (Eng. Abstr.) **(Spa)**

[Predictability of pancreas cancer using multiple computerized correlations] Sainz Samitier R, et al. **Rev Esp Enferm Apar Dig** 1983 Sep;64(3):179–86 (Eng. Abstr.) **(Spa)**

DIET THERAPY

Alteration of tumor cell kinetics by pulse total parenteral nutrition. Potential therapeutic implications. Torosian MH, et al. **Cancer** 1984 Mar 15;53(6):1409–15

DRUG THERAPY

Phase II clinical evaluation of AZQ in adenocarcinoma of the lung. Decker DA, et al. **Am J Clin Oncol** 1984 Aug; 7(4):353–5

Phase II trial of PCNU in advanced colorectal carcinoma. An Eastern Cooperative Oncology Group pilot study. Earhart RH, et al. **Am J Clin Oncol** 1984 Aug;7(4):309–12

Chemotherapy of advanced colorectal carcinoma: fluorouracil alone vs. two drug combinations using fluorouracil, hydroxyurea, semustine, dacarbazine, razoxane, and mitomycin. A phase III trial by the Eastern Cooperative Oncology Group (EST: 1278). Engstrom PF, et al. **Am J Clin Oncol** 1984 Aug;7(4):313–8

Phase II trial of piperazinedione (NSC 135758) in the treatment of advanced or recurrent carcinoma of the ovary. A Gynecologic Oncology Group study. Thigpen JT, et al. **Am J Clin Oncol** 1984 Jun;7(3):261–3

Tamoxifen and endometrial carcinoma: alterations in estrogen and progesterone receptors in untreated patients and combination hormonal therapy in advanced neoplasia. Carlson JA Jr, et al. **Am J Obstet Gynecol** 1984 May 15; 149(2):149–53

Treatment of recurrent endometrial adenocarcinoma with a combination of doxorubicin and cisplatin. Tropé C, et al. **Am J Obstet Gynecol** 1984 Jun 15;149(4):379–81

Some effects of inhibitors of polyamine synthesis on experimental prostatic cancer. Dunzendorfer U, et al. **Arzneimittelforsch** 1984;34(1):36–9

Interferon–alpha in serum and carcinomatous pleural effusion after repeated intrapleural injections of antitumor agents. Kaneto E, et al. **Biken J** 1983 Jun;26(2):99–102

Characterisation and chemosensitivity of a well–differentiated murine transplantable adenocarcinoma of the colon. Double JA, et al. **Br J Cancer** 1983 Nov; 48(5):739–42

Combined treatment with ketoconazole and luteinising hormone releasing hormone analogue: a novel approach to resistant progressive prostatic cancer. Allen JM, et al. **Br Med J [Clin Res]** 1983 Dec 10;287(6407):1766

Postmastectomy adjuvant chemotherapy with or without radiation therapy in women with operable breast cancer and positive axillary lymph nodes: the Southeastern Cancer Study Group experience. Velez–Garcia E, et al. **Breast Cancer Res Treat** 1983;3 Suppl:S49–60

Estramustine phosphate versus stilbestrol as primary treatment for metastatic cancer of the prostate. Nickel CJ, et al. **Can J Surg** 1983 Sep;26(5):434–8

Randomized study of combination chemotherapy in unresectable gastric cancer. The Gastrointestinal Tumor Study Group. **Cancer** 1984 Jan 1;53(1):13–7

Comparison of melphalan with cyclophosphamide, methotrexate, and 5–fluorouracil in patients with ovarian cancer. Brodovsky HS, et al. **Cancer** 1984 Feb 15; 53(4):844–52

High–dose methotrexate with leucovorin rescue in patients with unresectable non–small cell carcinoma of the lung. Brower M, et al. **Cancer** 1983 Nov 15;52(10):1778–82

Cyclophosphamide, adriamycin, and cis–diamminedichloroplatinum (II) in the treatment of advanced nonsquamous cell head and neck cancer. Creagan ET, et al. **Cancer** 1983 Dec 1;52(11):2007–10

Clinical effect of aminoglutethimide, medical adrenalectomy, in treatment of 43 patients with advanced prostatic carcinoma. Drago JR, et al. **Cancer** 1984 Apr 1; 53(7):1447–50

Chemotherapy of disseminated gastric cancer. A joint effort of the Northern California Oncology Group and the Japanese Gastric Cancer Chemotherapy Group. Friedman MA, et al. **Cancer** 1983 Nov 15;52(10):1771–7

Potentiation of methylglyoxal–bis–guanylhydrazone by alpha–difluoromethylornithine in rat prostate cancer. Herr HW, et al. **Cancer** 1984 Mar 15;53(6):1294–8

Efficacy of prolonged intermittent therapy with combined 5–fluorouracil and methyl–CCNU following resection for carcinoma of the large bowel. A Veterans Administration Surgical Oncology Group report. Higgins GA Jr, et al. **Cancer** 1984 Jan 1;53(1):1–8

Chemotherapy for primary adenocarcinoma of the small bowel. Jigyasu D, et al. **Cancer** 1984 Jan 1;53(1):23–5

Cisplatin. An active drug in the treatment of disseminated gastric cancer. Leichman L, et al. **Cancer** 1984 Jan 1; 53(1):18–22

Prospective randomized reappraisal of 5–fluorouracil in metastatic colorectal carcinoma. A comparative trial with 6–thioguanine. Presant CA, et al. **Cancer** 1984 Jun 15; 53(12):2610–4

Effect of warfarin anticoagulation on survival in carcinoma of the lung, colon, head and neck, and prostate. Final report of VA Cooperative Study 75. Zacharski LR, et al. **Cancer** 1984 May 15;53(10):2046–52

5–fluorouracil, adriamycin, and BCNU (FAB) combination chemotherapy for advanced gastric cancer. Lopez M, et al. **Cancer Chemother Pharmacol** 1984;12(3):194–7

Development and characterization of a new murine renal tumor model. Chemotherapeutic results. Vandendris M, et al. **Cancer Chemother Pharmacol** 1983;11(3):182–7

Induction and chemotherapeutic response of two transplantable ductal adenocarcinomas of the pancreas in C57BL/6 mice. Corbett TH, et al. **Cancer Res** 1984 Feb; 44(2):717–26

Antitumor effects and pharmacology of orally administered N4–palmitoyl–1–beta–D–arabinofuranosylcytosine in mice. Hori K, et al. **Cancer Res** 1984 Jan;44(1):172–7

Anguidine: a broad phase II study of the Southeastern Cancer Study Group. Adler SS, et al. **Cancer Treat Rep** 1984 Feb; 68(2):423–5

Phase II study of amsacrine in metastatic renal cell carcinoma: a Cancer and Leukemia Group B study. Amrein PC, et al. **Cancer Treat Rep** 1983 Nov;67(11):1043–4

High–dose methotrexate with leucovorin rescue, vinblastine, and bleomycin with or without tamoxifen in metastatic renal cell carcinoma. Bell DR, et al. **Cancer Treat Rep** 1984 Apr;68(4):587–90

Phase II evaluation of bleomycin in patients with advanced epithelial ovarian cancer. Blackledge G, et al. **Cancer Treat Rep** 1984 Mar;68(3):549–50

Phase II trial of razoxane in the management of recurrent adenocarcinoma of the ovary: a Gynecologic Oncology Group study. Conroy JF, et al. **Cancer Treat Rep** 1984 Feb;68(2):439–40

Chemotherapy for advanced adenocarcinoma and squamous cell carcinoma of the lung with etoposide and cisplatin. Dhingra HM, et al. **Cancer Treat Rep** 1984 Apr;68(4):671–3

Phase II trial of diaziquone in advanced renal adenocarcinoma. Hansen M, et al. **Cancer Treat Rep** 1984 Jul–Aug;68(7–8):1055–6

Phase II trial of PCNU in advanced renal cell carcinoma and malignant melanoma. Harvey JH, et al. **Cancer Treat Rep** 1984 Jul–Aug;68(7–8):1049–50

Phase II trial of 4–demethoxydaunorubicin in patients with non–small cell lung cancer. Joss RA, et al. **Cancer Treat Rep** 1984 Mar;68(3):563–4

Phase II trial of vindesine in advanced gastric cancer. Kenny JB, et al. **Cancer Treat Rep** 1983 Jan;67(1):89–90

Comparison of combination chemotherapy programs in advanced adenocarcinoma–large cell carcinoma of the lung: a North Central Cancer Treatment Group study. Krook JE, et al. **Cancer Treat Rep** 1984 Mar;68(3):493–8

Phase II study of continuous 5–day vinblastine infusion in renal adenocarcinoma. Kuebler JP, et al. **Cancer Treat Rep** 1984 Jun;68(6):925–6

Mitoxantrone: modest activity in a phase II trial in advanced prostate cancer. Osborne CK, et al. **Cancer Treat Rep** 1983 Dec;67(12):1133–5

Phase II clinical study of tamoxifen in advanced endometrial adenocarcinoma: a Gynecologic Oncology Group study. Slavik M, et al. **Cancer Treat Rep** 1984 May;68(5):809–11

Phase II trial of vindesine in adenocarcinoma of the lung. Sledge GW Jr, et al. **Cancer Treat Rep** 1984 Mar; 68(3):557–8

Phase II evaluation of metoprine in advanced pancreatic adenocarcinoma. Sternberg CN, et al. **Cancer Treat Rep** 1984 Jul–Aug;68(7–8):1053–4

Phase II clinical trial of mitoxantrone in patients with advanced renal cell carcinoma: a Southwest Oncology Group study. Taylor SA, et al. **Cancer Treat Rep** 1984 Jun; 68(6):919–20

Chemotherapy of non–small cell lung cancer: a reappraisal and a look to the future. Bakowski MT, et al. **Cancer Treat Rev** 1983 Sep;10(3):159–72 (80 ref.)

S–, N–, and O–glycosyl derivatives of 2–acetamido–2–deoxy–D–glucose with hydrophobic aglycons as potential chemotherapeutic agents and N–acetyl–beta–D–glucosaminidase inhibitors. Paul B, et al.

Carbohydr Res 1984 Mar 1;126(1):27–43

Effects of three new folate antagonists on human breast adenocarcinoma cells in vitro and on immune responses in vivo. Tsang KY, et al. **Chemotherapy** 1984;30(1):61–8

Recovery of adrenal function after treatment of adrenocortical carcinoma with o,p'–DDD. Greig F, et al. **Clin Endocrinol (Oxf)** 1984 Apr;20(4):389–99

Adenocarcinoma of the pancreas—a hormone sensitive tumor? A preliminary report on Nolvadex treatment. Theve NO, et al. **Clin Oncol** 1983 Sep;9(3):193–7

Endoscopic local injection of early gastric carcinoma with 5–fluorouracil. Kuwayama H, et al. **Dig Dis Sci** 1984 Jun; 29(6):498–501

Serum haptoglobin and alpha 1–acid glycoprotein as indicators of the effectiveness of cis–diamminedichloroplatinum (CDDP) in ovarian cancer patients—a preliminary report. Fish RG, et al. **Eur J Cancer Clin Oncol** 1984 May;20(5):625–30

Phase II trial of epirubicin in advanced squamous, adeno– and large cell carcinoma of the lung. Joss RA, et al. **Eur J Cancer Clin Oncol** 1984 Apr;20(4):495–9

Tamoxifen and medroxyprogesterone therapy for advanced endometrial carcinoma. Rendina GM, et al. **Eur J Obstet Gynecol Reprod Biol** 1984 Jun;17(4):285–91

Weekly cis–diamminedichloroplatinum II as induction chemotherapy in recurrent carcinoma of the cervix. Piver MS, et al. **Gynecol Oncol** 1984 Jul;18(3):313–9

Failure of hexamethylmelamine as salvage therapy in ovarian epithelial adenocarcinoma resistant to combination chemotherapy. Stehman FB, et al. **Gynecol Oncol** 1984 Feb; 17(2):189–95

Response of human adenocarcinoma to chemotherapy: as sole agents and in combination with sodium ibuprofen. Stratton JA, et al. **Gynecol Oncol** 1984 Jun;18(2):145–9

Adenocarcinoma of the fallopian tube: report of a case with an unusual pattern of metastasis and response to combination chemotherapy. Young JA, et al. **Gynecol Oncol** 1984 Feb;17(2):238–40

Inhibition of rat mammary tumor growth by purified protein A—a potential anti–tumor agent. Ray PK, et al. **Immunol Commun** 1983 Oct;12(5):453–64

Role of chemotherapy in the treatment of lung cancer: evolving strategies for non–small cell histologies. Muggia FM, et al. **Int J Radiat Oncol Biol Phys** 1984 Jan; 10(1):137–45 (73 ref.)

Survival and cell cycle kinetics responses of Chinese hamster ovary cells, and clones of human adenocarcinoma of the stomach and astrocytoma to diaziquone (AZQ) in vitro. Barranco SC, et al. **Invest New Drugs** 1983;1(1):11–9

Skin ulceration potential without therapeutic anticancer activity for epipodophyllotoxin commercial diluents. Dorr RT, et al. **Invest New Drugs** 1983;1(2):151–9

Control of metastases in the Nb rat prostatic adenocarcinoma model. Drago JR, et al. **J Androl** 1984 Jul–Aug;5(4):265–8

Growth inhibition of transplantable murine colon adenocarcinoma 38 by indomethacin. Sato M, et al. **J Cancer Res Clin Oncol** 1983;106(1):21–6

Phase II study of doxifluridine in advanced colorectal adenocarcinoma. Abele R, et al. **J Clin Oncol** 1983 Dec; 1(12):750–4

Human tumor clonogenic assay in patients with unknown primary carcinomas. Greenberg BR, et al. **J Clin Oncol** 1984 Jan;2(1):46–50

Doxorubicin, mitomycin–C, and 5–fluorouracil (DMF) in the treatment of metastatic hormonal refractory adenocarcinoma of the prostate, with a note on the staging of metastatic prostate cancer. Logothetis CJ, et al. **J Clin Oncol** 1983 Jun;1(6):368–79

Drug combinations in the treatment of gastric adenocarcinoma: a randomized Southwest Oncology Group study. Panettiere FJ, et al. **J Clin Oncol** 1984 May; 2(5):420–4

Inefficacy of dacarbazine, mitomycin C, and hepatic irradiation in patients with metastatic adenocarcinoma of the gastrointestinal tract. Smith BJ, et al. **J Clin Oncol** 1984 Jun;2(6):578–80

Increased therapeutic index of weekly doxorubicin in the therapy of non–small cell lung cancer: a prospective, randomized study. Valdivieso M, et al. **J Clin Oncol** 1984 Mar;2(3):207–14

The Nb rat prostatic adenocarcinoma's dose response to methotrexate and adriamycin. Drago JR, et al. **J Surg Oncol** 1983 Nov;24(3):215–7

Cis–diamminedichloroplatinum (II): second line induction chemotherapy in advanced ovarian adenocarcinoma. Piver MS, et al. **J Surg Oncol** 1983 Dec;24(4):329–31

Case report: complete response of metastatic transitional cell carcinoma of the bladder with chemotherapy alone. Dougherty WE, et al. **J Urol** 1984 Feb;131(2):340–2

Chemotherapy by bronchial arterial infusion for pulmonary metastases of renal cell carcinoma. Kakizoe T, et al. **J Urol** 1984 Jun;131(6):1053–5

Soft agar colony formation assay for in vitro chemotherapy sensitivity testing of human renal cell carcinoma: Mayo Clinic experience. Lieber MM. **J Urol** 1984 Feb; 131(2):391–3

Steroid receptors in renal cell carcinoma: relevance to hormonal therapy. Mukamel E, et al. **J Urol** 1984 Feb; 131(2):227–30

Hormone receptor in renal cell carcinoma and correlation with clinical response to endocrine therapy. Nakano E, et al. **J Urol** 1984 Aug;132(2):240–5

Transplantation of human renal cell carcinoma into NMRI nu/nu mice. II. Evaluation of response to vinblastine sulfate monotherapy. Otto U, et al. **J Urol** 1984 Jan;131(1):134–8

Phase II trial of doxorubicin in bidimensionally measurable prostatic adenocarcinoma. Scher H, et al. **J Urol** 1984 Jun; 131(6):1099–102

Photodynamic effects of exposure to hematoporphyrin derivatives and dye–laser radiation on human gastric adenocarcinoma cells. Tatsuta M, et al. **JNCI** 1984 Jul; 73(1):59–67

Ftorafur, adriamycin and mitomycin C (FAM II) for extensive bronchogenic adenocarcinoma and large cell carcinoma. Salvati F, et al. **Jpn J Clin Oncol** 1984 Mar; 14(1):3–6

Photoradiation therapy of endobronchial lung cancers employing the photodynamic action of hematoporphyrin derivative. Balchum OJ, et al. **Lasers Surg Med** 1984; 4(1):13–30

Application of hematoporphyrin derivative and laser–induced photodynamical reaction in the treatment of lung cancer: a preliminary report on 21 cases. Li JH, et al. **Lasers Surg Med** 1984;4(1):31–7

Chemotherapy of advanced gastric cancer with 72–hour continuous intravenous 5–fluorouracil infusion at 2–week intervals. Shah A, et al. **Med Pediatr Oncol** 1983; 11(5):358–60

Multidrug treatment of advanced and recurrent endometrial carcinoma: a Gynecologic Oncology Group study. Cohen CJ, et al. **Obstet Gynecol** 1984 May;63(5):719–26

Treatment of advanced or recurrent endometrial adenocarcinoma with cyclophosphamide, doxorubicin, cis–Platinum, and megestrol acetate. Lovecchio JL, et al. **Obstet Gynecol** 1984 Apr;63(4):557–60

Combination chemotherapy with BCNU, vincristine, mitomycin–C and prednisone in refractory breast carcinoma. A pilot study. DiBella NJ, et al. **Oncology** 1984; 41(1):1–3

Lonidamine alone and in combination with other chemotherapeutic agents in the treatment of cancer patients. Pacilio G, et al. **Oncology** 1984;41 Suppl :.108–12

Simultaneous administration of pure antiandrogens, a combination necessary for the use of luteinizing hormone–releasing hormone agonists in the treatment of prostate cancer. Labrie F, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(12):3861–3

Cooperative clinical trials of the National Prostatic Cancer Project: Protocol 900. Schmidt JD. **Prostate** 1984; 5(4):387–99

Management of non–small–cell cancer. Soukop M. **Recent Results Cancer Res** 1984;92:79–88 (29 ref.)

Successful treatment of poor prognostic patients with advanced prostatic carcinoma with the association of diethylstilbestrol and cyclophosphamide. Germá Lluch JR, et al. **Rev Esp Oncol** 1982;29(2):317–24

Hormonal therapy of gynecologic cancers. Durant JR. **Semin Oncol** 1983 Dec;10(4 Suppl 4):29–33

Hormonal therapy and chemotherapy of renal–cell carcinoma. Harris DT. **Semin Oncol** 1983 Dec;10(4):422–30 (113 ref.)

Experiences with estramustine phosphate (Estracyt, Emcyt) in prostate cancer. Murphy GP, et al. **Semin Oncol** 1983 Sep;10(3 Suppl 3):34–42

Systemic combination chemotherapy as primary treatment of brain metastasis from lung cancer. Kantarjian H, et al. **South Med J** 1984 Apr;77(4):426–30

The effect of thyroid hormone administration upon survival in patients with differentiated thyroid carcinoma. Cady B, et al. **Surgery** 1983 Dec;94(6):978–83

Chemotherapy of hormone–refractory carcinoma of prostate with 5–fluorouracil, adriamycin, and mitomycin C. Babaian RJ, et al. **Urology** 1984 Mar;23(3):272–5

[Metastatic breast cancer: a comparative study of the efficacy of tamoxifen and the sequential administration of tamoxifen and medroxyprogesterone acetate] Giralt E, et al. **Bull Cancer (Paris)** 1984;71(1):22–9 (Eng. Abstr.) **(Fre)**

[Treatment of advanced colonic and rectal adenocarcinoma: combination of 5–FU and high–dose folinic acid] Rougier P, et al. **Bull Cancer (Paris)** 1983;70(5):434–6 **(Fre)**

[Value of estramustine phosphate in the treatment of estrogen–resistant prostatic adenocarcinoma] Toulouse J, et al. **J Urol (Paris)** 1984;90(1):27–33 (Eng. Abstr.) **(Fre)**

[Treatment of metastatic renal cancer in adults with elliptinium acetate] Amiel JL, et al. **Presse Med** 1984 Jun 16;13(25):1555–7 (Eng. Abstr.) **(Fre)**

[An analog of gonadoliberin in the treatment of prostatic carcinoma] Mathé G, et al. **Presse Med** 1984 Jun 2; 13(23):1443–5 (Eng. Abstr.) **(Fre)**

[Treatment of lung cancer by a cooperative group: EORTC Lung Cancer Working Party (Belgium)] Klastersky J, et al. **Rev Med Brux** 1983 Sep;4(7):485–9 (Eng. Abstr.) **(Fre)**

[Chemotherapy of the non–small cell carcinoma of the lung with ifosfamide and cisplatin] Drings P, et al. **Dtsch Med Wochenschr** 1984 Jul 6;109(27):1059–64 (Eng. Abstr.) **(Ger)**

[Biological effect of recombined leukocyte alpha–2–interferon in metastasizing colorectal cancers] Niederle N, et al. **Dtsch Med Wochenschr** 1984 May 18; 109(20):779–82 (Eng. Abstr.) **(Ger)**

[Adriamycin cardiomyopathy] Nilles M, et al. **Med Welt** 1984 Jan 27;35(4):103–8 **(Ger)**

[Growth and chemotherapy of human kidney cancer in the thymus—aplastic nude mouse—behavior of the xenotransplant in comparison with tumor in the patient] Haas HJ, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:851–3 (Eng. Abstr.) **(Ger)**

[Treatment of metastasizing prostatic carcinoma with DMF. Presentation of a prospective study] Burk K, et al. **Urologe [Ausg A]** 1983 Sep;22 Suppl:347–9 (Eng. Abstr.) **(Ger)**

[Antiblastic chemotherapy in esophageal cancer] Cartei G. **Radiol Med (Torino)** 1983 Jul–Aug;69(7–8):597–600 **(Ita)**

[Morphometric evaluation of nuclear size of transplantable gastric adenocarcinoma (SG2B) after antineoplastic agent administration] Furukawa F, et al. **Eisei Shikenjo Hokoku** 1983;(101):66–70 (Eng. Abstr.) **(Jpn)**

[Experimental chemotherapy of human gastrointestinal and breast cancers in nude mice and its correlation to clinical effect] Fujita M, et al. **Gan No Rinsho** 1984 Jul;30(9 Suppl):1168–74 (Eng. Abstr.) **(Jpn)**

[A case of advanced gastric cancer which disappeared histopathologically after short–time chemotherapy] Hara K, et al. **Gan No Rinsho** 1984 Apr;30(4):399–402 (Eng. Abstr.) **(Jpn)**

[Analysis of factors affecting clinical cancer chemotherapy] Wakui A, et al. **Gan No Rinsho** 1983 Aug;29(10):1199–204 (Eng. Abstr.) **(Jpn)**

[Combination chemotherapy of CIS–diamminedichloroplatinum (II) and fluoropyrimidine derivatives for advanced gastric cancer: a preliminary report] Akazawa S, et al. **Gan To Kagaku Ryoho** 1984 Jun; 11(6):1248–52 (Eng. Abstr.) **(Jpn)**

[Effective cases of advanced endometrial and recurrent ovarian cancers treated with oral administration of UFT] Akiyama J, et al. **Gan To Kagaku Ryoho** 1984 Mar; 11(3):521–6 (Eng. Abstr.) **(Jpn)**

[Combination chemotherapy consisting of cis–platinum and adriamycin in non–small cell carcinoma of the lung] Fujii M, et al. **Gan To Kagaku Ryoho** 1984 Feb;11(2):265–9 (Eng. Abstr.) **(Jpn)**

[Effects of 5'–deoxy–5–fluorouridine on human gastrointestinal and breast cancers xenografted to nude mice] Fujita F, et al. **Gan To Kagaku Ryoho** 1984 Aug; 11(8):1635–43 (Eng. Abstr.) **(Jpn)**

[Sex hormone dependency and endocrine therapy in diffuse carcinoma of the stomach] Kitaoka H. **Gan To Kagaku Ryoho** 1983 Dec;10(12):2453–60 (Eng. Abstr.) **(Jpn)**

[Effects of infusion of cis–platinum into the bronchial artery in lung cancer] Matsumura K, et al. **Gan To Kagaku Ryoho** 1984 Sep;11(9):1871–4 (Eng. Abstr.) **(Jpn)**

[The case studies on oral administration of tegafur encapsulated with slow releasing granule (SF–SP) for three rectal patients] Sato T, et al. **Gan To Kagaku Ryoho** 1984 May;11(5):1107–11 (Eng. Abstr.) **(Jpn)**

[Chemotherapy of Borrmann's type IV diffuse carcinoma of the stomach] Suga S, et al. **Gan To Kagaku Ryoho** 1983 Dec;10(12):2478–84 (Eng. Abstr.) **(Jpn)**

[Chemotherapy of metastatic urothelial carcinoma. cis–Diamminedichloroplatinum combination chemotherapy for patients with decreased renal function] Kihara K, et al. **Hinyokika Kiyo** 1984 Jan;30(1):21–8 (Eng. Abstr.) **(Jpn)**

[Clinical effect of UFT on urogenital tumors] Masuda F, et al. **Hinyokika Kiyo** 1984 Jan;30(1):81–5 (Eng. Abstr.) **(Jpn)**

[Clinical study of combination chemotherapy with continuously infused peplomycin (PEP), cis–dichlorodiammineplatinum (II) (CDDP) and mitomycin C (MMC) (PPM therapy)] Goto T, et al. **Nippon Gan Chiryo Gakkai Shi** 1983 Dec 20;18(8):2054–60 (Eng. Abstr.) **(Jpn)**

[Determination of the effects of antineoplastic agents using a canine stomach—evaluation of an antineoplastic polysaccharide, schizophyllan (SPG)] Kawai K, et al. **Nippon Gan Chiryo Gakkai Shi** 1983 Aug 20;18(5):1135–9 (Eng. Abstr.) **(Jpn)**

[Problems in the clinical evaluation of chemotherapy for hormonally–unresponsive carcinoma of the prostate] Rinsho K, et al. **Nippon Hinyokika Gakkai Zasshi** 1984 Feb;75(2):229–32 (Eng. Abstr.) **(Jpn)**

[Evaluation of cancer chemotherapy in primary ovarian cancer in rats—observation of histological effect by light and electron microscopy] Nishida T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Jan;36(1):8–12 (Eng. Abstr.) **(Jpn)**

[A clinical study (phase II) of a combination of 5–fluorouracil, vincristine and methyl CCNU in patients with advanced carcinoma of the large intestine] Roth A, et al. **Lijec Vjesn** 1983 Jun;105(6):244–6 (Eng. Abstr.) **(Scr)**

ENZYMOLOGY

Adenosine deaminase (ADA; E.C. no. 3.5.4.4.) in colorectal adenocarcinoma in man. ten Kate J, et al. **Adv Exp Med Biol** 1984;165 Pt B:299–303

Abnormalities of cobalt–activated acylase from human sarcoma, carcinoma and the adjacent tissue. Tyran W, et al. **Arch Immunol Ther Exp (Warsz)** 1983;31(4):565–74

Mature methyl–deficient tRNA isolated from a mammary adenocarcinoma. Leboy PS, et al.

Biochim Biophys Acta 1984 Jun 16;782(2):156–63
Enzymes of the de novo and salvage pathways for pyrimidine biosynthesis in normal colon, colon carcinoma, and xenografts. Ahmed NK. **Cancer** 1984 Oct 1;54(7):1370–3
Aldrin epoxidase and dimethylhydrazine demethylase activities in tumorous and non-tumorous tissue of the human colon and rectum. Siegers CP, et al. **Cancer Lett** 1984 May;23(1):39–43
Purification and properties of alpha-D-mannose:beta-1,2-N-acetylglucosaminyl-transfe and alpha-D-mannosidases from human adenocarcinoma. Chandrasekaran EV, et al. **Cancer Res** 1984 Sep; 44(9):4059–68
Hematoporphyrin derivative-induced photosensitivity of mitochondrial succinate dehydrogenase and selected cytosolic enzymes of R3230AC mammary adenocarcinomas of rats. Hilf R, et al. **Cancer Res** 1984 Apr;44(4):1483–8
Temperature-dependent elaboration of collagenase by the renal adenocarcinoma of the leopard frog, Rana pipiens. Ogilvie DJ, et al. **Cancer Res** 1984 Aug;44(8):3438–41
Quantitative changes in adenosine deaminase isoenzymes in human colorectal adenocarcinomas. ten Kate J, et al. **Cancer Res** 1984 Oct;44(10):4688–92
Quantitation of arachidonic acid lipoxygenase products in malignant and nonmalignant effusions. Valone FH. **Cancer Res** 1983 Dec;43(12 Pt 1):5695–8
Studies on growth and enzymatic characteristics of human mammary tumours grown in heterologous host. Chowdhury TJ, et al. **Exp Clin Endocrinol** 1983 Nov; 82(3):356–62
Prognostication of prostatic carcinoma by serum acid phosphatase activity. Sharma RV, et al. **Indian J Med Sci** 1983 Jun;37(6):99–100
Renin in renal cell carcinoma—an immunocytochemical study using an antibody to pure human renin. Lindop GB, et al. **J Clin Pathol** 1984 Jan;37(1):27–31
The role of serum prostatic acid phosphatase as a tumor marker in men with advanced adenocarcinoma of the prostate. Maatman TJ, et al. **J Urol** 1984 Jul;132(1):58–60
Preliminary studies of aromatase in human neoplastic endometrium. Tseng L, et al. **Obstet Gynecol** 1984 Feb; 63(2):150–4
Abnormal isoelectric focusing patterns of serum galactosyltransferase activity in patients with liver neoplasia. Qian GX, et al. **Proc Soc Exp Biol Med** 1984 Jan;175(1):21–4
Acid phosphatase-producing androgen-independent subline of rat prostatic adenocarcinoma (Dunning R3327 tumor) in cell culture. Igarashi T, et al. **Prostate** 1984;5(1):113–22
Activity of some lysosomal enzymes in neutrophils from peripheral blood of patients with digestive tract cancer at different clinical stages of the disease. A cytochemical study. Sulowicz W. **Rev Esp Oncol** 1981;28(4):509–14
The prognostic significance of elevated serum alkaline phosphatase levels preoperatively in patients with carcinoma of the colon and rectum. Tartter PI, et al. **Surg Gynecol Obstet** 1984 Jun;158(6):569–71
[The value of counterimmunoelectrophoresis for the assay of prostatic acid phosphatase] Lamy S, et al. **Acta Urol Belg** 1983;51(3):340–4 (Eng. Abstr.) **(Fre)**
[Role of prostatic acid phosphatases in the treatment of adenocarcinoma of the prostate] Perrin P, et al. **J Urol (Paris)** 1984;90(1):19–22 (Eng. Abstr.) **(Fre)**
[Biological behavior of prostatic carcinoma. I. Histochemical studies of enzyme activities in primary tumors] Gorski J, et al. **Urologe [Ausg A]** 1983 Sep;22 Suppl:350–5 (Eng. Abstr.) **(Ger)**
[LDH index in the diagnosis of prostatic diseases] Lalanne MG, et al. **Minerva Urol** 1983 Oct-Dec;35(4):243–5 (Eng. Abstr.) **(Ita)**
[Functioning tumor of lung, producing non-Regan type of alkaline phosphatase] Norioka M, et al. **Gan No Rinsho** 1984 Jul;30(8):951–4 (Eng. Abstr.) **(Jpn)**
[Clinical significance of DNA-synthesizing enzyme, thymidine kinase, in human colonic cancer] Sakamoto S, et al. **Nippon Gan Chiryo Gakkai Shi** 1983 Aug 20; 18(5):1156–9 (Eng. Abstr.) **(Jpn)**
[Alkaline phosphatase isoenzymes of human lung carcinoma] Otani R, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 May;21(5):466–73 (Eng. Abstr.) **(Jpn)**
[Gamma-GTP activity in a newly established cell line from human pancreatic adenocarcinoma (HPC-Y1)] Yamaguchi N, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Aug; 80(8):1662 **(Jpn)**
[Characteristics of the kallikreins in healthy and malignant (adenocarcinoma) mucous membrane of the human large intestine] Paskhina TS, et al. **Vopr Med Khim** 1984 Jan-Feb; 30(1):87–96 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Colonic polyps and adenocarcinoma complicating ureterosigmoidostomy: report of a case. Cipolla R, et al. **Am J Gastroenterol** 1984 Jun;79(6):453–7
Thyroid neoplasm after high-dose radiotherapy. Satran L, et al. **Am J Pediatr Hematol Oncol** 1983 Fall;5(3):307–9
Adenosquamous carcinoma of the lung and the acquired immunodeficiency syndrome [letter] Irwin LE, et al. **Ann Intern Med** 1984 Jan;100(1):158
Follicular carcinoma of the thyroid following radiotherapy for Hodgkin's disease. Amin R. **Br J Radiol** 1983 Oct; 56(670):768–9
Adenocarcinoma of the stomach following irradiation and chemotherapy for lymphoma in young patients. Brumback RA, et al. **Cancer** 1984 Sep 15;54(6):994–8
Adenocarcinoma of the ethmoid sinuses. A review of 28 cases with special reference to wood dust exposure. Klintenberg C, et al. **Cancer** 1984 Aug 1;54(3):482–8
Radiogenic male breast cancer with in vitro sensitivity to ionizing radiation and bleomycin. Greene MH, et al. **Cancer Invest** 1983;1(5):379–86
Renal adenocarcinoma with or without acquired cysts in chronic hemodialysis patients [letter] Ishikawa I, et al. **Clin Nephrol** 1983 Dec;20(6):321–2
Risk of stomach cancer after gastric surgery for benign conditions. A case-control study. Sandler RS, et al. **Dig Dis Sci** 1984 Aug;29(8):703–8
Rectosigmoid carcinoma occurring after ureterosigmoidostomy. Harford FJ, et al. **Dis Colon Rectum** 1984 May;27(5):321–4
The influence of gastro-jejunal anastomosis on gastric carcinogenesis in rats. Kondo K, et al. **Gann** 1984 Apr; 75(4):362–9
Adenocarcinoma in Barrett's esophagus after elimination of gastroesophageal reflux. Hamilton SR, et al. **Gastroenterology** 1984 Feb;86(2):356–60
Adenocarcinoma and Barrett's esophagus. An overrated risk? Spechler SJ, et al. **Gastroenterology** 1984 Oct;87(4):927–33
Complications of Crohn's disease predisposing to dysplasia and cancer of the intestinal tract: considerations of a surveillance program. Cooper DJ, et al. **J Clin Gastroenterol** 1984 Jun;6(3):217–24
Gastric carcinoma following partial gastrectomy for benign disease. Leblanc KA, et al. **J La State Med Soc** 1984 Jul; 136(7):21–2
X-ray induced thyroid adenocarcinoma. Rosen P. **Med Hypotheses** 1984 Apr;13(4):381–4
Acquired renal cystic disease and renal adenocarcinoma in patients on long-term hemodialysis [letter] Gardner KD Jr. **N Engl J Med** 1984 Feb 9;310(6):390
Acquired renal cystic disease in renal transplant recipients. Vaziri ND, et al. **Nephron** 1984;37(3):203–5
Adenocarcinoma of the cervical esophagus in a patient with extensive columnar cell-lined (Barrett's) esophagus. Goodwin WJ Jr, et al. **Otolaryngol Head Neck Surg** 1983 Aug;91(4):446–9
Tumor induction in BALB/c mice after fractionated or protracted exposures to fission-spectrum neutrons. Ullrich RL. **Radiat Res** 1984 Mar;97(3):587–97
Effect of NaCl diet on jejunal carcinogenesis in mice given N-methyl-N'-nitro-N-nitrosoguanidine orally. Ohno Y, et al. **Sci Rep Res Inst Tohoku Univ [Med]** 1983 Dec; 30(1-4):23–8
The etiology of renal-cell carcinoma. Outzen HC, et al. **Semin Oncol** 1983 Dec;10(4):378–84
Time of onset of carcinoma of the stomach following surgical treatment of duodenal ulcer. Totten J, et al. **Surg Gynecol Obstet** 1983 Nov;157(5):431–3
The fat/fiber antagonism in experimental colon carcinogenesis. Trudel JL, et al. **Surgery** 1983 Oct; 94(4):691–6
[Malignant degeneration of the intestine in Crohn's disease] Van Geert A, et al. **Acta Chir Belg** 1983 Nov-Dec; 83(6):404–10 (Eng. Abstr.) **(Dut)**
[A sigmoid stenosis of long duration in a patient with ulcerative colitis] Meuwissen SG, et al. **Ned Tijdschr Geneeskd** 1983 Nov 19;127(47):2121–4 **(Dut)**
[Adenocarcinoma of the colon after uretero-sigmoidostomy] Sacre R, et al. **Acta Gastroenterol Belg** 1983 Jan-Feb; 46(1-2):64–73 (Eng. Abstr.) **(Fre)**
[Adenocarcinoma and endobrachyesophagus] Gertsch P, et al. **Helv Chir Acta** 1984 Jan;50(5):527–9 (Eng. Abstr.) **(Fre)**
[Adenocarcinoma of the larynx as a recurrence of an irradiated squamous cell carcinoma] Rasinger G, et al. **Laryngol Rhinol Otol (Stuttg)** 1983 Aug;62(8):363–5 (Eng. Abstr.) **(Ger)**
[Adenocarcinomas of the nose and nasal sinuses in employees of the lumber industry in West Germany] Thürauf J, et al. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1984 Jan;34(1):8–15 (Eng. Abstr.) **(Ger)**
[Cancer of the intra-pancreatic common bile duct observed 9 years after choledochojejunostomy] Haratake J, et al. **Gan No Rinsho** 1983 Sep;29(11):1367–70 (Eng. Abstr.) **(Jpn)**
[A case of malignant degeneration of an aberrant intrathoracic goiter] Răutu F. **Rev Med Chir Soc Med Nat Iasi** 1983 Jul-Sep;87(3):493–4 **(Rum)**
[2 pathogenetic variants of corpus uteri cancer] Bokhman IaV, et al. **Akush Ginekol (Mosk)** 1984 Apr;(4):34–7 (Eng. Abstr.) **(Rus)**
[Pathology of the gastric stump] Petrov VP, et al. **Vestn Khir** 1984 May;132(5):29–32 (Eng. Abstr.) **(Rus)**
[Risk factors in the onset of endometrial carcinoma] Prokić N, et al. **Med Pregl** 1983;36(5-6):207–10 (Eng. Abstr.) **(Ser)**
[Carcinoma of the colon and ulcerative colitis] Castro Fernández M, et al. **Rev Esp Enferm Apar Dig** 1984 Mar; 65(3):275–9 (Eng. Abstr.) **(Spa)**
[Postvagotomy gastric cancer] Zaragosí Moliner J, et al. **Rev Esp Enferm Apar Dig** 1984 Jan;65(1):55–61 (Eng. Abstr.) **(Spa)**
[Primary adenocarcinoma of the esophagus in patients with esophageal stenosis and Barrett's syndrome] Csendes A, et al. **Rev Med Chil** 1983 Dec;111(12):1255–8 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Intercellular karyotypic similarity in near-diploid cell lines of human tumor origins. Chen TR, et al. **Cancer Genet Cytogenet** 1983 Dec;10(4):351–62
G-banded karyotype of a primary renal-cell carcinoma. Ferti-Passantonopoulou A, et al. **Cancer Genet Cytogenet** 1984 Feb;11(2):227–32
Trisomy X as a possible initial chromosome change in a gastric cancer. Ochi H, et al. **Cancer Genet Cytogenet** 1984 May;12(1):57–61
Chromosomes in human large bowel tumors. A study of chromosome 1. Reichmann A, et al. **Cancer Genet Cytogenet** 1984 Aug;12(4):295–301
Site-specific, simultaneous presentation of colonic carcinoma in identical twins. Winkler H, et al. **Dis Colon Rectum** 1983 May;26(5):344–6
Establishment and characterization of a human colon carcinoma cell line (KMS-4) from a patient with hereditary adenomatosis of the colon and rectum. Namba M, et al. **Int J Cancer** 1983 Dec 15;32(6):697–702
Torre's syndrome: report of two cases and review of the literature. Banse-Kupin L, et al. **J Am Acad Dermatol** 1984 May;10(5 Pt 1):803–17 (24 ref.)
Keratosis punctata palmaris et plantaris and adenocarcinoma of the colon. A possible familial association of punctate keratoderma and gastrointestinal malignancy. Bennion SD, et al. **J Am Acad Dermatol** 1984 Apr;10(4):587–91
Loss of the Y chromosome in a cultured human salivary-gland adenocarcinoma. Stenman G, et al. **J Oral Pathol** 1983 Dec;12(6):458–64
Genetic markers in renal adenocarcinoma. Germenis A, et al. **J Urol** 1984 Jul;132(1):173–4
HLA and colorectal cancer [letter] Kune GA, et al. **Med J Aust** 1984 Aug 4;141(3):199
Monoclonal antibodies of predefined specificity detect activated ras gene expression in human mammary and colon carcinomas. Hand PH, et al. **Proc Natl Acad Sci USA** 1984 Aug;81(16):5227–31
Familial polyposis. A case report. King RM, et al. **S Afr J Surg** 1984 May;22(2):103–7
A follow-up study on familial polyposis coli in black patients. Leffall LD Jr, et al. **Surg Gynecol Obstet** 1983 Nov; 157(5):409–12
[Familial colon carcinoma] Nagengast FM, et al. **Ned Tijdschr Geneeskd** 1984 Apr 28;128(17):796–800 (Eng. Abstr.) **(Dut)**
[Familial colon carcinoma] Tytgat GN, et al. **Ned Tijdschr Geneeskd** 1984 Apr 28;128(17):820–1 **(Dut)**
[Hereditary intestinal tumor observed after irradiation of multiple generations of a male germinal line of C57BL/6 mice] Mewissen DJ, et al. **C R Soc Biol (Paris)** 1984; 178(2):230–5 (Eng. Abstr.) **(Fre)**
[Familial cancer of the colon without polyposis and the familial cancer syndrome. Apropos of 2 cases over 3 generations] Poissonnier M, et al. **J Genet Hum** 1983 Dec; 31(4):255–78 (Eng. Abstr.) **(Fre)**
['Cancer family syndrome'—description of a family with a hereditary incidence of malignant tumors of the colon and other organs] Hasselgren PO, et al. **Lakartidningen** 1984 Jun 13;81(24):2451–3 **(Swe)**

IMMUNOLOGY

Secretory component and IgA in endometrial adenocarcinomas. An immunohistochemical study. Takeda A, et al. **Acta Pathol Jpn** 1983 Jul;33(4):725–32
Demonstration of autoantibodies against ACTH in serum from a patient with cancer of unknown origin. Hansen BL, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1983 Nov; 91(6):489–91
Multiple immunoperoxidase markers in benign hyperplasia and adenocarcinoma of the prostate. Ellis DW, et al. **Am J Clin Pathol** 1984 Mar;81(3):279–84
Quantitation of immunoglobulins in the effusions of human ovarian epithelial neoplasms. Kutteh WH, et al. **Am J Obstet Gynecol** 1984 Sep 1;150(1):65–9
Characterization of cell-mediated immunity in long-term survivors of gastric or colorectal cancer. Machado IV, et al. **Am J Surg** 1984 Mar;147(3):334–8
Increased monocyte phagocytosis and decreased lymphocyte mitogen reactivity in colorectal cancer patients. Ruco LP, et al. **Appl Pathol** 1983;1(3):149–56
Differences in the expression of mucus-associated antigens between proximal and distal human colon adenocarcinomas. Bara J, et al. **Br J Cancer** 1984 Apr; 49(4):495–501
Decreased natural killer cell activity and interferon production by leucocytes in patients with adenocarcinoma of the pancreas. Funa K, et al. **Br J Cancer** 1984 Aug; 50(2):231–3
Heterogeneity of specificity of oligoclonal human T lymphocyte lines induced with autologous pulmonary tumour. Moss FM, et al. **Br J Cancer** 1984 May; 49(5):659–61
Stimulatory effect of vitamin A on tumoricidal activity of rat alveolar macrophages. Tachibana K, et al.

Br J Cancer 1984 Mar;49(3):343–8

Circulating immune complex and NK-cell activity in progressive breast cancer [letter] Seth R, et al. **Breast Cancer Res Treat** 1984;4(1):54–5

Immunohistochemistry of two glycolipid tissue antigens in human gastric carcinoma. Wang SM, et al. **Cancer** 1983 Dec 1;52(11):2072–6

Correlation between lymphocyte-mediated auto-tumor reactivities and the clinical course. II. Evaluation of 69 patients with lung carcinoma. Vánky F, et al. **Cancer Immunol Immunother** 1983;16(1):17–22

Tumoricidal response following perfusion over immobilized protein A: identification of immunoglobulin oligomers in serum after perfusion and their partial characterization. Balint J Jr, et al. **Cancer Res** 1984 Feb;44(2):734–43

Fetal pancreatic antigens in the Syrian golden hamster and their relationship to development and carcinogenesis. Benedi VJ, et al. **Cancer Res** 1984 Mar;44(3):1135–41

Identification of a human cancer-associated antigen defined with monoclonal antibody. Bhattacharya M, et al. **Cancer Res** 1984 Oct;44(10):4528–34

Characterization of gastrointestinal tumor-associated carcinoembryonic antigen-related antigens defined by monoclonal antibodies. Blaszczyk M, et al. **Cancer Res** 1984 Jan;44(1):245–53

Reactivity of monoclonal antibody F36/22 with human ovarian adenocarcinomas. Croghan GA, et al. **Cancer Res** 1984 May;44(5):1954–62

Altered tumor growth in vivo after immunization of mice with antitumor antibodies. Gorczynski RM, et al. **Cancer Res** 1984 Aug;44(8):3291–8

Circulating immune complexes in rats bearing 6-thioguanine-resistant variants of the 13762 mammary adenocarcinoma. Hoon DB, et al. **Cancer Res** 1984 Jun; 44(6):2406–9

Characterization of the effector cells mediating an 'innocent bystander' cytotoxicity reaction induced by a syngeneic mammary adenocarcinoma in mice. Paul RD, et al. **Cancer Res** 1984 Oct;44(10):4480–6

Expression of a carbohydrate differentiation antigen, stage-specific embryonic antigen 1, in human colonic adenocarcinoma. Shi ZR, et al. **Cancer Res** 1984 Mar; 44(3):1142–7

Active immunization of hamsters against pancreatic carcinoma with lipid-treated cells or their shed antigens. Skornick Y, et al. **Cancer Res** 1984 Mar;44(3):946–8

A monoclonal antibody, CSTO-1, against a stomach adenocarcinoma-associated antigen. Togashi H, et al. **Cancer Res** 1984 Sep;44(9):3952–6

Antigens associated with a human lung adenocarcinoma defined by monoclonal antibodies. Varki NM, et al. **Cancer Res** 1984 Feb;44(2):681–7

Immunohistochemical localization of prostate carcinoma-associated antigens. Wright GL Jr, et al. **Cancer Res** 1983 Nov;43(11):5509–16

Spontaneous suppressor cell activity in the peripheral blood of patients with malignant and chronic inflammatory bowel diseases. Doldi K, et al. **Clin Exp Immunol** 1984 Mar; 55(3):655–63

Evaluation of a new tumor-associated antigen in pancreatic cancer. Savarino V, et al. **Digestion** 1984;29(1):1–4

Identification of carcinogens by measurement of cell-mediated immunity. IV. Antitumor immunity following perinatal exposure to 1,2-dimethylhydrazine. Stevens RH, et al. **Environ Res** 1983 Oct;32(1):25–36

Colonic and gastric mucus-associated antigens: a comparative immunohistological study in precancerous and cancerous rat intestinal mucosa. Decaens C, et al. **Eur J Cancer Clin Oncol** 1984 Jul;20(7):975–81

Carcinoembryonic antigen production in human gastric cancer cell lines in vitro and in nude mice. Motoyama T, et al. **Gann** 1983 Oct;74(5):679–86

Establishment and characterization of a carcinoembryonic antigen producing cell line derived from human pancreatic exocrine cancer. Yamaguchi N, et al. **Gastroenterol Jpn** 1983 Dec;18(6):585–92

Factors affecting the CEA secretion of human adenocarcinoma cell lines into the spent medium. Yamaguchi N, et al. **Gastroenterol Jpn** 1983 Oct; 18(5):428–35

Circulating cytotoxic anti-RCC antibody responses in renal cell carcinoma patients. Ishibashi M, et al. **Hinyokika Kiyo** 1983 Feb;29(2):121–9

Presence of a specific immune complex in the cell-free ascites of a spontaneously metastasizing rat mammary adenocarcinoma, TMT-081. Ghosh SK, et al. **Immunol Commun** 1984;13(1):63–76

Comparison of iodinated antigens of metastatic and non-metastatic mammary adenocarcinoma cells. Abbas MK, et al. **Int Arch Allergy Appl Immunol** 1983;72(3):193–8

A fetal glycolipid expressed on adenocarcinomas of the colon. Blaszczyk M, et al. **Int J Cancer** 1984 Mar 15; 33(3):313–8

Lymphoreticular cells isolated by centrifugal elutriation from a mammary adenocarcinoma. I. Characterization of an in situ lymphocyte suppressor population by surface markers and functional reactivity. Buessow SC, et al. **Int J Cancer** 1984 Jan 15;33(1):79–85

Monoclonal antibody against a cryptic carbohydrate antigen of murine and human lymphocytes. I. Antigen expression in non-cryptic or unsubstituted form on certain murine lymphomas, on a spontaneous murine mammary carcinoma, and on several human adenocarcinomas. Longenecker BM, et al. **Int J Cancer** 1984 Jan 15;33(1):123–9

Immunological responses to a murine mammary adenocarcinoma. Outgrowth of pulmonary occult metastases induced by immunosuppressive perturbations. Yamamura Y, et al. **Int J Cancer** 1984 Jan 15;33(1):73–7

Heterogeneity of murine mammary adenocarcinoma cell subpopulations. In vitro and in vivo resistance to macrophage cytotoxicity and its association with metastatic capacity. Yamamura Y, et al. **Int J Cancer** 1984 Jan 15; 33(1):67–72

Detection of antibody made in rabbits to the C3HBA adenocarcinoma of mice using a Protein-A binding assay. Saha GB, et al. **Int J Nucl Med Biol** 1983;10(4):227–9

Soluble factors produced during an immune response regulate Ia antigen expression by murine adenocarcinoma and fibrosarcoma cells. Callahan GN. **J Immunol** 1984 May; 132(5):2649–57

Delayed-type cutaneous hypersensitivity to Thomsen-Friedenreich (T) antigen in patients with pancreatic cancer. Goodale RL, et al. **J Surg Res** 1983 Oct;35(4):293–7

Soluble factors from murine and human tumors induce suppressor cells. Jessup JM, et al. **J Surg Res** 1984 Jun; 36(6):631–8

Immunohistochemical detection of carcinoembryonic antigen in benign hyperplasia and adenocarcinoma of the prostate with monoclonal antibody. Ghazizadeh M, et al. **J Urol** 1984 Mar;131(3):501–3

Autologous mixed lymphocyte tumor cell culture in patients with renal cell carcinoma. Nakano E, et al. **J Urol** 1984 Feb;131(2):223–6

Spontaneously acquired anti-factor VIII antibodies: report of a patient with adenocarcinoma of the prostate. Preminger GM, et al. **J Urol** 1984 Jun;131(6):1182–4

Monoclonal antibodies against human pancreatic adenocarcinoma: distribution of DU-PAN-2 antigen on glandular epithelia and adenocarcinomas. Borowitz MJ, et al. **JNCI** 1984 May;72(5):999–1005

Identification of Ia antigens on the murine adenocarcinoma LT-85. Giedlin MA, et al. **JNCI** 1983 Oct;71(4):825–34

Acquired B antigen and polyagglutination in a patient with gastric cancer. Matsushita S, et al. **Jpn J Surg** 1983 Nov; 13(6):540–2

Immunohistological study of isoantigens, carcinoembryonic antigen and human chorionic gonadotropin in adenocarcinomas of the uterus. Ueda G, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Mar; 36(3):437–42

Mitogenic augmentation of T cells from immunodepressed cancer patients by a murine interleukin-1 (IL-1). Yamamura Y, et al. **Oncology** 1984;41(3):200–5

Human anti-idiotype antibodies in cancer patients: Is the modulation of the immune response beneficial for the patient? Koprowski H, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(1):216–9

Detection of a pancreatic cancer-associated antigen (DU-PAN-2 antigen) in serum and ascites of patients with adenocarcinoma. Metzgar RS, et al. **Proc Natl Acad Sci USA** 1984 Aug;81(16):5242–6

Antigenic characteristics of metastasizing and nonmetastasizing mammary adenocarcinomata of rat. Ghosh SK, et al. **Prog Clin Biol Res** 1983;133:227–33

Biological markers in human lung carcinoma: an immunopathological study of six antigens. Harach HR, et al. **Thorax** 1983 Dec;38(12):937–41

A B O (H) blood group antigen determination in genitourinary neoplasms. Ghazizadeh M, et al. **Tokushima J Exp Med** 1983 Jun;30(1–2):9–16

[Immunological reactivity of mice with transplanted lung tumors obtained via organ culture] Vlasov V, et al. **Eksp Med Morfol** 1984;23(1):22–8 (Eng. Abstr.) **(Bul)**

[Circulating immune complexes and bronchopulmonary cancers] Pourrat JP, et al. **Rev Mal Respir** 1984;1(1):31–6 (Eng. Abstr.) **(Fre)**

[Pancreatic oncofetal antigen (POA) and carcinoma of the pancreas] Homma T, et al. **Gan No Rinsho** 1984 May;30(6 Suppl):558–62 (Eng. Abstr.) **(Jpn)**

[Natural killer cell activity and thyroid cancer] Aoki N, et al. **Nippon Gan Chiryo Gakkai Shi** 1983 Aug 20; 18(5):1101–7 (Eng. Abstr.) **(Jpn)**

[Immunohistochemical demonstration of carcinoembryonic antigen and ultrastructural features of endometrial adenocarcinoma] Okudaira Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Feb;36(2):173–81 (Eng. Abstr.) **(Jpn)**

[Relationship between glycoprotein antigens appearing in colonic adenoma and colonic adenocarcinoma and those in human fetal colonic mucosa] Akahona Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Feb;81(2):194–200 (Eng. Abstr.) **(Jpn)**

[Case of adenosquamous carcinoma of the stomach showing Borrmann 4 type and elevated serum CEA] Fujitomi Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Jun; 80(6):1327–30 **(Jpn)**

[Significance of serum CEA in a case of ileal cancer] Katayama T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 May;81(5):1259–63 **(Jpn)**

[Identification of T lymphocytes in resected lung tissue in primary bronchial cancer] Grubek-Jaworska H, et al. **Pneumonol Pol** 1984 Mar;52(3):105–10 (Eng. Abstr.) **(Pol)**

[Carcinoembryonic antigen in bronchial cancer] Kozielski J. **Pneumonol Pol** 1983 Jun;51(6):361–5 (32 ref.) **(Pol)**

[Changes in antitumor resistance during chemical carcinogenesis] Savinskaia AP. **Biull Eksp Biol Med** 1984 Aug;97(8):226–8 (Eng. Abstr.) **(Rus)**

[Carcinoembryonic antigen in the evaluation of the efficacy of the surgical treatment of stomach cancer and prognosis of the disease] Gitel'man LG, et al. **Vopr Onkol** 1984; 30(1):52–6 (Eng. Abstr.) **(Rus)**

[Suppressor activity induced by concanavalin A in peripheral blood lymphocytes of patients with solid malignant tumors] García MS, et al. **Acta Physiol Lat Am** 1983;33(1):15–20 (Eng. Abstr.) **(Spa)**

[Significance of carcinoembryonic antigen in prostatic cancer] Navío Niño S, et al. **Actas Urol Esp** 1983 Jul-Aug; 7(4):281–2 (Eng. Abstr.) **(Spa)**

[Humoral and cellular immunity in prostatic adenocarcinoma] Pérez Herrero F, et al. **Actas Urol Esp** 1983 Nov-Dec; 7(6):433–6 (Eng. Abstr.) **(Spa)**

[Immunological changes in patients with colorectal cancer] Gürcüoglu I, et al. **Mikrobiyol Bul** 1984 Jan;18(1):37–46 (Eng. Abstr.) **(Tur)**

METABOLISM

Interrelationship between PO2, morphology and perfusion in rat mammary adenocarcinoma (AD) using combined in vivo microcathode/India ink injection/freeze substitution techniques. Cole MA, et al. **Adv Exp Med Biol** 1983; 159:383–9

Immunohistochemical studies in endocrine carcinoma of the skin. Silva EG, et al. **Am J Clin Pathol** 1984 May; 81(5):558–62

Nature of amyloid deposits in hypernephroma. Immunocytochemical studies in 2 cases associated with amyloid polyneuropathy. Dalakas MC, et al. **Am J Pathol** 1984 Sep;116(3):447–54

Lectin resistance and lectin binding in a rat adenocarcinoma. Ng R, et al. **Anticancer Res** 1983 Nov-Dec;3(6):421–3

Presence of alpha-1-antitrypsin in pancreatic carcinoma. Report of four cases in association with hepatic storage of the protease inhibitor. Callea F, et al. **Appl Pathol** 1983; 1(5):290–300

Two human colon tumor cell lines with similar nuclease sensitivities have different ethidium bromide binding characteristics. Duhl DM, et al. **Arch Biochem Biophys** 1984 Jun;231(2):303–8

D-glucosamine-induced changes in nucleotide metabolism and growth of colon-carcinoma cells in culture. Krug E, et al. **Biochem J** 1984 Feb 1;217(3):701–8

Prognostic value of estrogen and progesterone receptors in primary breast cancer. Saez S, et al. **Breast Cancer Res Treat** 1983;3(4):345–53

Estrogen, progesterone, and androgen-binding sites in renal cell carcinoma. Observations obtained in Phase II trial of flutamide. Ahmed T, et al. **Cancer** 1984 Aug 1;54(3):477–81

Total and nondialyzable hydroxyproline excretion in Stage D2 prostate cancer. Hopkins SC, et al. **Cancer** 1984 Jan 1;53(1):117–21

Transcobalamin II as an indicator of activity in metastatic renal adenocarcinoma. Jensen HS, et al. **Cancer** 1983 Nov 1;52(9):1700–4

Heterogeneity and progesterone-receptor distribution in endometrial adenocarcinoma. Mortel R, et al. **Cancer** 1984 Jan 1;53(1):113–6

Clear cell carcinoma of the ovary with colony-stimulating-factor production. Occurrence of marked granulocytosis in a patient and nude mice. Takeda A, et al. **Cancer** 1984 Sep 15;54(6):1019–23

Growth inhibition and prostaglandin metabolism in the R3230AC mammary adenocarcinoma by reduced glutathione. Karmali RA. **Cancer Biochem Biophys** 1984 Jun;7(2):147–54

Interaction between 5-fluorouracil and DNA of human colon adenocarcinoma. Lönn U, et al. **Cancer Res** 1984 Aug; 44(8):3414–8

Effects of sodium butyrate, dimethyl sulfoxide, and retinoic acid on glycolipids of human rectal adenocarcinoma cells. Siddiqui B, et al. **Cancer Res** 1984 Apr;44(4):1648–52

A case of crystal formation in bone marrow [letter] Carter KJ, et al. **Clin Chem** 1984 Jul;30(7):1267–8

The significance of DNA distribution pattern in rectal carcinoma. A preliminary study. Forsslund G, et al. **Dis Colon Rectum** 1984 Sep;27(9):579–84

The effect of prolactin on the Dunning R3327H rat prostatic adenocarcinoma. Kharroubi A, et al. **Endocr Res Commun** 1982–83;9(3–4):217–32

97Ru-transferrin uptake in tumor and abscess. Som P, et al. **Eur J Nucl Med** 1983;8(11):491–4

Influence of fixed fibroblasts on glycosaminoglycan synthesis of human gastric carcinoma cells in vitro. Sobue M, et al. **Exp Cell Res** 1983 Dec;149(2):527–34

Characterization of alpha 2-adrenergic receptors in the human colon adenocarcinoma cell line HT 29 in culture by [3H]yohimbine binding. Carpene C, et al. **Gen Pharmacol** 1983;14(6):701–3

Establishment of human endometrial adenocarcinoma cell line containing estradiol-17 beta and progesterone receptors. Ishiwata I, et al. **Gynecol Oncol** 1984 Mar; 17(3):281–90

Activity of enzymes related to carbohydrate metabolism in the HT 29 colon adenocarcinoma cell line and tumor. Denis C, et al. **Int J Biochem** 1984;16(1):87–91

Dopamine-producing endometrial carcinoma with argyrophilia. Inoue M, et al. **Int J Gynaecol Obstet** 1983 Oct;21(5):387–93

Tissue distribution of [67Ga]citrate and 111InCl3 in mouse with adenocarcinoma. Saha GB, et al. **Int J Nucl Med Biol** 1983;10(4):223–5

Tissue distribution of 2- and 4-[203Hg]-estradiol in mammary-tumor-bearing rats. Shani J, et al. **Int J Nucl Med Biol** 1982;9(4):251–8

The effects of radiosensitizers on intermediary metabolism in vivo. Tamulevicius P, et al. **Int J Radiat Oncol Biol Phys** 1984 Aug;10(8):1387–9

Plasminogen activators as markers of tumor colonization potential. Ng R, et al. **Invasion Metastasis** 1983;3(4):243–8

High-performance liquid chromatographic analysis of MTX, 7-OH-MTX and MTX derivatives: application to intracellular metabolism in tumor cells (HT 29). Durand R, et al. **J Appl Toxicol** 1983 Aug;3(4):189–95

Increased alpha-fetoprotein concentration in association with ileal adenocarcinoma complicating Crohn's disease. Leader M, et al. **J Clin Pathol** 1984 Mar;37(3):293–7

Inhibition of cell growth in synchronous human hypernephroma cells by recombinant interferon alpha-D and irradiation. Chang AY, et al. **J Interferon Res** 1983; 3(4):379–85

Alterations of physical and biochemical parameters of the R3327-CP rat prostate adenocarcinoma following hormonal manipulation of the host. Buttyan R, et al. **J Urol** 1984 Jun;131(6):1218–24

Relationship between concentrations of extractable and matrix-bound nuclear androgen receptor and clinical response to endocrine therapy for prostatic adenocarcinoma. Gonor SE, et al. **J Urol** 1984 Jun; 131(6):1196–201

Female sex steroid receptors in post menopausal endometrial carcinoma. Biochemical responses to antiestrogen and progestin. Robel P, et al. **Prog Clin Biol Res** 1984; 142:167–79

Androgen receptor binding characteristics in the cytosol of the rat dorsolateral prostate gland and the Dunning R-3327 prostatic adenocarcinoma. Rowley DR, et al. **Prostate** 1984;5(1):101–11

Immunocytochemical distribution of trypsinogen and pancreatic secretory trypsin inhibitor in normal and neoplastic tissues in man. Marks WH, et al. **Scand J Gastroenterol** 1984 Jul;19(5):673–6

Lactoferrin in benign hypertrophy and carcinomas of the prostatic gland. Barresi G, et al. **Virchows Arch [A]** 1984; 403(1):59–66

Distribution of collagen types I and III and basal lamina in human gastric carcinoma: an immunohistochemical and electron microscopic study. Yamamoto M, et al. **Virchows Arch [A]** 1984;403(4):313–22

[Accumulation of radiolabeled alpha fetoprotein in spontaneous mammary tumors in mice] Uriel J, et al. **C R Seances Acad Sci [III]** 1983;297(13):589–92 (Eng. Abstr.) **(Fre)**

[Clinical evaluation of Tegafur suppository in the treatment of uterine cancer—with special reference to the drug concentration in the blood, secretion from the pelvic dead space, and tissues of female genital organs] Yamada E. **Igaku Kenkyu** 1982 Nov;52(5):269–87 (Eng. Abstr.) **(Jpn)**

[A case of lung cancer producing alpha-fetoprotein] Takizawa H, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1984 Mar;22(3):220–4 (Eng. Abstr.) **(Jpn)**

[Case of lung cancer with simultaneous production of ACTH and a bone resorption stimulating factor] Imanaka S, et al. **Nippon Naika Gakkai Zasshi** 1983 May 10;72(5):562–8 **(Jpn)**

[Nuclear functions of normal and adenocarcinomatous cells of the endometrium and the regulatory mechanism of steroid hormones] Nishiya I. **Nippon Sanka Fujinka Gakkai Zasshi** 1983 Aug; 35(8):1156–65 **(Jpn)**

[Case of advanced gastric cancer with remakable gynecomastia and marked elevation of serum human chorionic gonadotropin (HCG)] Senju M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Jun;80(6):1331–5 **(Jpn)**

MICROBIOLOGY

Expression of endogenous murine leukemia virus in transplantable tumor cells and DNA methylation of the viral sequences. Kuo MT, et al. **Cancer Res** 1984 Aug; 44(8):3518–21

Antigenic determinants in a virus-induced mouse mammary tumor recognized by cell-mediated immune assays. Lopez PF, et al. **JNCI** 1984 Mar;72(3):725–32

Cytomegalovirus inclusion bodies in breast cancer. Schleicher EM. **Minn Med** 1984 Jan;67(1):21–3

MORTALITY

Adenocarcinoma of the endometrium stage I. Treatment, survival and recurrence. Philipsen T, et al. **Acta Obstet Gynecol Scand** 1984;63(1):51–5

Improving survival in patients with rectal cancer. Gilman CJ. **Am Fam Physician** 1984 Jan;29(1):165–9

The effect of estrogen receptor status on survival in patients with endometrial cancer. Martin JD, et al. **Am J Obstet Gynecol** 1983 Oct 1;147(3):322–4

Decision theory analysis of the enteric morbidity and surgical staging in the treatment of advanced cervical cancer. Twiggs LB, et al. **Am J Obstet Gynecol** 1984 Jan 15; 148(2):134–40

Lung cancer in Hong Kong Chinese: mortality and histological types, 1973–1982. Kung IT, et al. **Br J Cancer** 1984 Sep;50(3):381–8

Carcinoma of the large bowel in the first four decades. Umpleby HC, et al. **Br J Surg** 1984 Apr;71(4):272–7

A potentially brighter prognosis for colon carcinoma in the third and fourth decades. Beckman EN, et al. **Cancer** 1984 Oct 1;54(7):1478–81

Combined modality therapy for Stage IIIMO non-small cell lung cancer. A five-year experience. Madej PJ, et al. **Cancer** 1984 Jul 1;54(1):5–12

Comparison of actual survivorship after treatment with survivorship predicted by actual tumor-volume doubling time from tumor diameter at first observation. Mizuno T, et al. **Cancer** 1984 Jun 15;53(12):2716–20

Survival in acute obstructing colorectal carcinoma. Umpleby HC, et al. **Dis Colon Rectum** 1984 May;27(5):299–304

Presidential Address of the 24th Annual Meeting of the American Society of Therapeutic Radiologists: carcinoma of the prostate, a vexing biological and clinical enigma. Perez CA. **Int J Radiat Oncol Biol Phys** 1983 Oct; 9(10):1427–38

Factors influencing survival and recurrence-free intervals after treatment of primary breast cancer. O'Higgins N, et al. **Ir Med J** 1984 Jul;77(7):197–202

The natural history of gastric cancer and prognostic factors influencing survival. Bedikian AY, et al. **J Clin Oncol** 1984 Apr;2(4):305–10

Primary invasive carcinoma of the vagina. Benedet JL, et al. **Obstet Gynecol** 1983 Dec;62(6):715–9

Cause of late postoperative death in patients with early gastric cancer with special reference to recurrence and the incidence of metachronous primary cancer in other organs. Koga S, et al. **Surgery** 1984 Sep;96(3):511–6

[Prognostic factors for patients with potentially curable adenocarcinoma of the rectum] Wied U, et al. **Ugeskr Laeger** 1984 Jan 16;146(3):170–3 (Eng. Abstr.) **(Dan)**

[Epidemiology of prostatic cancer] Blank M, et al. **Acta Acad Med Wuhan** 1983;3(3):153–5 **(Ger)**

[A follow-up study of renal cell carcinoma: the evaluation of long-term survival] Satomi Y, et al. **Nippon Hinyokika Gakkai Zasshi** 1984 Jan;75(1):118–25 (Eng. Abstr.) **(Jpn)**

[Evaluation of various prognostic factors in patients with malignant stomach neoplasms in Warsaw 1972–1974] Wronkowski Z, et al. **Nowotwory** 1983 Jan-Mar;33(1):41–9 (Eng. Abstr.) **(Pol)**

OCCURRENCE

A screen for colon and rectal cancer in a family medicine patient population. Rosemore AS, et al. **Ala Med** 1984 Jan; 53(7):30–1

Malignancy in primary biliary cirrhosis. High incidence of breast cancer in affected women. Wolke AM, et al. **Am J Med** 1984 Jun;76(6):1075–8

A study on the incidence of bronchial carcinoma in Sri Lanka. Uragoda CG. **Ceylon Med J** 1983 Mar;28(1):37–41

Primary pulmonary neoplasms in Ethiopians. Teklu B. **East Afr Med J** 1983 Jun;60(6):374–9

Carcinoma of the prostate: indigenous patterns. Onuigbo WI. **J Natl Med Assoc** 1984 Apr;76(4):373–5

Adenocarcinoma of the prostate: results of routine urological screening. Thompson IM, et al. **J Urol** 1984 Oct; 132(4):690–2

A population-based case-control study of renal cell carcinoma. McLaughlin JK, et al. **JNCI** 1984 Feb; 72(2):275–84

Chronological observation of epidemiological characteristics of lung cancer in Taiwan with etiological consideration--a 30-year consecutive study. Yang SP, et al. **Jpn J Clin Oncol** 1984 Mar;14(1):7–19

Changing aspects of gastric adenocarcinoma [letter] Antonioli DA, et al. **N Engl J Med** 1984 Jun 7;310(23):1538

Genital clear cell adenocarcinoma in young women in Ohio. Johnston GA Jr, et al. **Ohio State Med J** 1983 Jul; 79(7):544–7

The renal adenocarcinoma: epidemiological, clinical, pathological and cultural considerations based on 117 cases. Zaroli A, et al. **Pathologica** 1984 Mar-Apr;76(1042):169–90

Epidemiology of kidney cancer. Dayal H, et al. **Semin Oncol** 1983 Dec;10(4):366–77

Adenocarcinoma and other unusual variants of esophageal cancer. Faintuch J, et al. **Semin Oncol** 1984 Jun; 11(2):196–202

Clinical features of urachal carcinoma in Japan: review of 157 patients. Ghazizadeh M, et al. **Urol Res** 1983; 11(5):235–8

[The epidemiological study of endometrial adenocarcinoma. From 74 cases seen at the Saint-Antoine Maternity Hospital] Faguer C, et al. **Sem Hop Paris** 1983 Nov 24; 59(43):2975–8 (Eng. Abstr.) **(Fre)**

[Histological statistics of malignant urogenital tumors] Shimada K, et al. **Hinyokika Kiyo** 1984 May;30(5):651–5 (Eng. Abstr.) **(Jpn)**

[Specific type stomach neoplasms: report based on the questionnaires of the 40th Stomach Cancer Research Group] Hoshi K, et al. **Nippon Gan Chiryo Gakkai Shi** 1983 Dec 20;18(8):2112–24 **(Jpn)**

PATHOLOGY

Adenocarcinoma of the breast with osseous metaplasia. Report of a case with needle aspiration cytology. Cook SS, et al. **Acta Cytol (Baltimore)** 1984 May-Jun; 28(3):317–20

Needle aspiration cytology of sebaceous carcinoma. Hood IC, et al. **Acta Cytol (Baltimore)** 1984 May-Jun; 28(3):305–12

Apocrine adenocarcinoma of the vulva with associated Paget's disease. Diagnosis of lymph node metastases by fine needle aspiration biopsy. James LP, et al. **Acta Cytol (Baltimore)** 1984 Mar-Apr;28(2):178–84

Cytologic and biologic studies of endometrioid carcinoma of the ovary. Nagai S, et al. **Acta Cytol (Baltimore)** 1983 Nov-Dec;27(6):676–82

Exfoliative cytology of in situ and microinvasive adenocarcinoma of the uterine cervix. Nguyen GK, et al. **Acta Cytol (Baltimore)** 1984 Jul-Aug;28(4):461–7

Primary adenocarcinoma of the renal pelvis. Report of two cases and brief review of literature. Kobayashi S, et al. **Acta Pathol Jpn** 1983 May;33(3):589–97

A case of gastric carcinoma with massive eosinophilia. Tsutsumi Y, et al. **Acta Pathol Jpn** 1984 Jan;34(1):117–22

Adenoid squamous cell carcinoma of the penis. Report of a surgical case clinically manifested with rapid lung metastasis. Watanabe K, et al. **Acta Pathol Jpn** 1983 Nov; 33(6):1243–50

Clinico-pathological study of gastric cancers in the greater curvature. Yamagiwa H, et al. **Acta Pathol Jpn** 1984 May; 34(3):519–27

Exocrine and endocrine cell differentiation in small intestinal adenocarcinomas. Lundqvist M, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1983 Nov; 91(6):469–74

Salivary duct carcinoma: an analysis of four cases with review of literature. Garland TA, et al. **Am J Clin Pathol** 1984 Apr;81(4):436–41

Extragenital malignant mixed Müllerian tumor. Case report and review of the literature. Hasiuk AS, et al. **Am J Clin Pathol** 1984 Jan;81(1):102–5

Transcatheter embolization of the liver for control of massive hemobilia in a patient with adenocarcinoma of the gallbladder invading the intrahepatic biliary system. Asmat P, et al. **Am J Gastroenterol** 1983 Nov;78(11):761–4

Composite tumor (ordinary adenocarcinoma, typical carcinoid, and goblet cell adenocarcinoid) of the gallbladder: a variety of composite tumor. Muto Y, et al. **Am J Gastroenterol** 1984 Aug;79(8):645–9

Choriocarcinoma of the colon. Ordóñez NG, et al. **Am J Gastroenterol** 1984 Jan;79(1):39–42

Seeding of gallbladder carcinoma along the tract after percutaneous transhepatic choledochoscopy. Yamakawa T, et al. **Am J Gastroenterol** 1983 Oct;78(10):649–51

Stromal invasion in endometrial adenocarcinoma. King A, et al. **Am J Obstet Gynecol** 1984 May 1;149(1):10–4

Addition of dilatation and curettage to conization [letter] Labes J. **Am J Obstet Gynecol** 1984 May 1;149(1):106–7

Epithelial properties of human colonic carcinoma cell line Caco-2: electrical parameters. Grasset E, et al. **Am J Physiol** 1984 Sep;247(3 Pt 1):C260–7

Do the prognoses of papillary and follicular thyroid carcinomas differ? Donohue JH, et al. **Am J Surg** 1984 Jul;148(1):168–73

Intramural spread of colon carcinoma. A pathologic study. Hughes TG, et al. **Am J Surg** 1983 Dec;146(6):697–9

Toward the development of morphologic criteria for well-differentiated adenocarcinoma of the endometrium. Hendrickson MR, et al. **Am J Surg Pathol** 1983 Dec; 7(8):819–38

Prognostic factors in surgically resected limited-stage, nonsmall cell carcinoma of the lung. Lipford EH 3d, et al. **Am J Surg Pathol** 1984 May;8(5):357–65

Adenocarcinoma of the rete testis. Case report, ultrastructural observations, and clinicopathologic correlates. Nochomovitz LE, et al. **Am J Surg Pathol** 1984 Aug;8(8):625–34

Consultation case. Reed RJ, et al. **Am J Surg Pathol** 1983 Sep;7(6):597–601

The prevalence and prognostic significance of argyrophil cells in colorectal carcinomas. Smith DM Jr, et al. **Am J Surg Pathol** 1984 Feb;8(2):123–8

The spectrum of carcinoma arising in Barrett's esophagus. A clinicopathologic study of 26 patients. Smith RR, et al. **Am J Surg Pathol** 1984 Aug;8(8):563–73

Mixed hyperplastic adenomatous polyps—an underdiagnosed entity. Report of a case of adenocarcinoma arising within a mixed hyperplastic adenomatous polyp. Urbanski SJ, et al. **Am J Surg Pathol** 1984 Jul;8(7):551–6

Adenocarcinoma of the colon and rectum in patients less than 40 years of age. Moore PA, et al. **Am Surg** 1984 Jan; 50(1):10–4

Labeling indices of human lung cancer. Correlation with histologic type and survival. Moran RE, et al. **Anal Quant Cytol** 1983 Dec;5(4):250–4

Flow cytometric analysis of human lung cancer. Correlation with histologic type and stage. Moran RE, et al. **Anal Quant Cytol** 1984 Jun;6(2):99–104

Histopathological diagnosis of hyperparathyroidism. Grimelius L, et al. **Ann Chir Gynaecol** 1983;72(3):116–22

Immunofluorescence study of the antigens of the basement membrane and the peritumoral stroma in human colonic adenocarcinomas. Burtin P, et al. **Ann NY Acad Sci** 1983; 420:229–36

Inflammatory metastatic carcinoma of the parotid. Schwartz RA, et al. **Arch Dermatol** 1984 Jun;120(6):796–7

Adenocarcinoma of the ciliary body pigment epithelium in a child. Papale JJ, et al. **Arch Ophthalmol** 1984 Jan; 102(1):100–3

Renal cell neoplasms. Their relationship to arteriolonephrosclerosis. Budin RE, et al. **Arch Pathol Lab Med** 1984 Feb;108(2):138–40

Extramammary Paget's disease. Arising in knee region in association with sweat gland carcinoma. de Blois GG, et al. **Arch Pathol Lab Med** 1984 Sep;108(9):713–6

Breast carcinoma metastatic to a solitary adenomatous polyp in the colon. Wiltz O, et al. **Arch Pathol Lab Med** 1984 Apr;108(4):318–20

Morphology of human uterine cancer in nude mice. Effects of hormone and antihormone treatment. Zaino RJ, et al. **Arch Pathol Lab Med** 1984 Jul;108(7):571–8

A chlorambucil–anti–CEA conjugate cytotoxic for human colon adenocarcinoma cells in vitro. Bernier LG, et al. **Br J Cancer** 1984 Feb;49(2):245–6

Accessible standardized intracutaneous implants: pancreatic adenocarcinoma in the Syrian hamster. LaMuraglia GM, et al. **Br J Cancer** 1984 Aug;50(2):235–7

Metastasis of murine mammary tumour lines from the mammary gland and ectopic sites. Unemori EN, et al. **Br J Cancer** 1984 May;49(5):603–14

In vitro sublethal damage repair in tumour subpopulations from a heterogeneous human colon tumour. Leith JT, et al. **Br J Cancer [Suppl]** 1984;6:207–11

Adenocarcinoma–in–situ of the cervix uteri associated with cervical intraepithelial neoplasia in pregnancy. Case report. Drew NC. **Br J Obstet Gynaecol** 1984 May;91(5):498–502

Tumours of the Moll's glands. Ni C, et al. **Br J Ophthalmol** 1984 Jul;68(7):502–6

Large bowel cancer: surgical pathology and its relationship to survival. Phillips RK, et al. **Br J Surg** 1984 Aug; 71(8):604–10

Polyposis coli associated with adenocarcinoma of the gallbladder. Report of a case. Bombi JA, et al. **Cancer** 1984 Jun 1;53(11):2561–3

Carcinosarcoma and carcinoma of the gallbladder. Born MW, et al. **Cancer** 1984 May 15;53(10):2171–7

Primary signet–ring cell carcinoma of the urinary bladder. Choi H, et al. **Cancer** 1984 May 1;53(9):1985–90

Follicular neoplasms of the thyroid. A study of 44 cases followed for a minimum of 10 years, with emphasis on differential diagnosis. Evans HL. **Cancer** 1984 Aug 1; 54(3):535–40

Polymorphous low–grade adenocarcinoma of minor salivary glands. A study of 14 cases of a distinctive neoplasm. Evans HL, et al. **Cancer** 1984 Feb 15;53(4):935–42

Pathologic types of breast cancer: their prognoses. Gallager HS. **Cancer** 1984 Feb 1;53(3 Suppl):623–9

Sebaceous neoplasms of salivary gland origin. Report of 21 cases. Gnepp DR, et al. **Cancer** 1984 May 15;53(10):2155–70

Mammary carcinoma with osteoclast–like giant cells. Additional observations on six cases. Holland R, et al. **Cancer** 1984 May 1;53(9):1963–73

Adenocarcinoma in situ and invasive adenocarcinoma of the uterine cervix. An immunohistologic study with antibodies specific for several epithelial markers. Hurlimann J, et al. **Cancer** 1984 Jul 1;54(1):103–9

Pulmonary scar carcinoma. A case with two primaries. Jackson D, et al. **Cancer** 1984 Jul 15;54(2):361–6

Adenocarcinoma of the uterine cervix. Prognosis and prognostic significance of histology. Korhonen MO. **Cancer** 1984 Apr 15;53(8):1760–3

Hypophyseal tumor and gynecomastia preceding bilateral breast cancer development in a man. Olsson H, et al. **Cancer** 1984 May 1;53(9):1974–7

Adenocarcinoma of the hepatic duct junction. A reappraisal of the histologic criteria of malignancy. Qualman SJ, et al. **Cancer** 1984 Apr 1;53(7):1545–51

Effects of tumor growth on interleukins and circulating immune complexes. Mechanisms of immune unresponsiveness. Ravikumar T, et al. **Cancer** 1984 Mar 15;53(6):1373–8

Ovarian clear cell adenofibromatous tumors. Benign, of low malignant potential, and associated with invasive clear cell carcinoma. Roth LM, et al. **Cancer** 1984 Mar 1; 53(5):1156–63

Primary adenocarcinoma of the duodenum. Report of two cases. Rudan N, et al. **Cancer** 1984 Sep 15;54(6):1105–9

Adenocarcinoma of the proximal colon. Sites of initial dissemination and patterns of recurrence following surgery alone. Russell AH, et al. **Cancer** 1984 Jan 15;53(2):360–7

The histogenesis of small cell carcinoma of the prostate. An immunohistochemical study. Schron DS, et al. **Cancer** 1984 Jun 1;53(11):2478–80

Intracranial metastases in prostate cancer. Taylor HG, et al. **Cancer** 1984 Jun 15;53(12):2728–30

Prognostic significance of nuclear DNA content in mammary adenocarcinomas in humans. Auer G, et al. **Cancer Res** 1984 Jan;44(1):394–6

Abnormal pattern of mucus–associated M1 antigens in histologically normal mucosa adjacent to colonic adenocarcinomas. Bara J, et al. **Cancer Res** 1984 Sep; 44(9):4040–5

Histological and ultrastructural changes in breast adenocarcinoma after treatment with plasma perfused over immobilized protein A. Daskal Y, et al. **Cancer Res** 1984 May;44(5):2225–35

Effects of alpha–difluoromethylornithine and methylglyoxal bis(guanylhydrazone) on the growth of experimental renal adenocarcinoma in mice. Herr HW, et al. **Cancer Res** 1984 Oct;44(10):4382–5

Biochemical methods for predicting metastatic ability of prostatic cancer utilizing the dunning R–3327 rat prostatic adenocarcinoma system as a model. Lowe FC, et al. **Cancer Res** 1984 Feb;44(2):744–52

Effects of gastrin on tumor growth and cyclic nucleotide metabolism in xenotransplantable human gastric and colonic carcinomas in nude mice. Sumiyoshi H, et al. **Cancer Res** 1984 Oct;44(10):4276–80

Characterization of metastatic clones derived from a metastatic variant of mouse colon adenocarcinoma 26. Tsuruo T, et al. **Cancer Res** 1983 Nov;43(11):5437–42

Intra–abdominal carcinomatosis with histologically normal ovaries [letter] Hochster H, et al. **Cancer Treat Rep** 1984 Jun;68(6):931–2

Cytologic diagnosis of renal carcinoma in the presence of inferior vena cava obstruction: case report. Mulligan BD, et al. **Cardiovasc Intervent Radiol** 1983;6(3):129–30

Determination of the growth rate of human prostatic cells in primary culture by a morphometric technique. Romijn JC, et al. **Cell Biol Int Rep** 1984 May;8(5):363–71

Study on the multiplication of cancer cells in a pleural effusion from a woman having a breast adenocarcinoma. Gotzos V, et al. **Cell Mol Biol** 1983;29(5):353–5

Cell loss from viable and necrotic tumour regions measured by 125I–UdR. Porschen R, et al. **Cell Tissue Kinet** 1983 Nov;16(6):549–56

Role of the matrix in modifying the growth of prostatic epithelial cells in vitro. Noble MJ, et al. **Cleve Clin Q** 1984 Summer;51(2):411–8

Malignant follicles of a differentiated thyroid carcinoma releasing iodinated thyroglobulin into the lymphatic vessels. Gebel F, et al. **Clin Endocrinol (Oxf)** 1984 Apr; 20(4):457–62

Klinefelter's syndrome associated with breast carcinoma and Paget's disease of the nipple. Moshakis V, et al. **Clin Oncol** 1983 Sep;9(3):257–61

Progression of mammary adenocarcinomas as reflected by nuclear DNA content. Auer GU, et al. **Cytometry** 1984 Jul;5(4):420–5

Cytophotometrical and biochemical characterization of nonpalpable, mammographically detected mammary adenocarcinomas. Fallenius AG, et al. **Cytometry** 1984 Jul; 5(4):426–9

Cytoplasmic microtubules of normal and tumor cells of the leopard frog. Temperature effects. McKinnell RG, et al. **Differentiation** 1984;26(3):231–4

Temperature–dependent dissociation of Lucké renal adenocarcinoma cells. Seppanen ED, et al. **Differentiation** 1984;26(3):227–30

Adenocarcinoma of the rectum arising in a hamartomatous polyp in a patient with Peutz–Jeghers syndrome. Miller LJ, et al. **Dig Dis Sci** 1983 Nov;28(11):1047–51

Juvenile polyposis of the colon with atypical adenomatous changes and carcinoma in situ. Report of a case and review of the literature. Ramaswamy G, et al. **Dis Colon Rectum** 1984 Jun;27(6):393–8

Sebaceous carcinoma arising in benign cystic teratoma of the ovary. Case report. Betta PG, et al. **Eur J Gynaecol Oncol** 1984;5(2):146–9

Malignant change of dermoid cysts of the ovary. Report on an adenosquamous cell carcinoma and a clear cell carcinoma. Sekiya S, et al. **Eur J Gynaecol Oncol** 1984; 5(1):16–20

Microglandular hyperplasia—a complicating factor in the diagnosis of cervical intraepithelial neoplasia. Helmerhorst TJ, et al. **Eur J Obstet Gynecol Reprod Biol** 1984 Apr; 17(1):53–9

Invasion of veins in renal cell carcinoma – frequency, correlation and prognosis. Hoehn W, et al. **Eur Urol** 1983; 9(5):276–80

Association of xanthogranulomatous pyelonephritis with small renal cell carcinoma. Case report and review of the literature. Piscioli F, et al. **Eur Urol** 1984;10(1):62–6

Properties of two sublines derived from rat prostatic adenocarcinoma (Dunning R 3327 tumor). Minagawa H, et al. **Gann** 1983 Aug;74(4):524–33

Spontaneous metastasis of highly metastatic variants of mouse tumors and the effect of drugs on the metastasis. Tsuruo T, et al. **Gann** 1984 Jun;75(6):557–63

Adenocarcinoid (mucinous carcinoid) of the appendix. Edmonds P, et al. **Gastroenterology** 1984 Feb;86(2):302–9

Clinical, epidemiologic, and morphologic comparison between adenocarcinomas arising in Barrett's esophageal mucosa and in the gastric cardia. Kalish RJ, et al. **Gastroenterology** 1984 Mar;86(3):461–7

Detection of minute cancer of the stomach [letter] Vazquez–Reta A, et al. **Gastrointest Endosc** 1984 Feb; 30(1):50–2

Adenocarcinoma of the lacrimal gland with sebaceous differentiation. A clinical study using light and electronmicroscopy. Konrad EA, et al. **Graefes Arch Clin Exp Ophthalmol** 1983;221(2):81–5

Recurrent adenocarcinoma of the endometrium: a clinical and histopathological study of 379 patients. Aalders JG, et al. **Gynecol Oncol** 1984 Jan;17(1):85–103

Significance of neoplastic atypicalities in endocervical epithelium. Buscema J, et al. **Gynecol Oncol** 1984 Mar; 17(3):356–62

Coexistent squamous cell carcinoma and adenocarcinoma of the uterine cervix. Choo YC, et al. **Gynecol Oncol** 1984 Feb;17(2):168–74

KLE: a cell line with defective estrogen receptor derived from undifferentiated endometrial cancer. Richardson GS, et al. **Gynecol Oncol** 1984 Feb;17(2):213–30

Adenocarcinoma of the endometrium associated with intrauterine pregnancy. Suzuki A, et al. **Gynecol Oncol** 1984 Jun;18(2):261–9

Establishment and characterization of ovarian endometrioid carcinoma cell line. Uehara S, et al. **Gynecol Oncol** 1984 Mar;17(3):314–25

Histopathological findings concerning the morphogenesis of mixed carcinoma of the uterine cervix. Yajima A, et al. **Gynecol Oncol** 1984 Jun;18(2):157–64

Uncommon clinical manifestations in a case of thyroid carcinoma. Tovi F, et al. **Head Neck Surg** 1984 May–Jun; 6(5):974–7

Synchronous double primary malignant lymphoma of low grade malignancy and early cancer (collision tumor) of the stomach. Planker M, et al. **Hepatogastroenterology** 1984 Jun;31(3):144–8

Composite gastric carcinoid and adenocarcinoma. Ali MH, et al. **Histopathology** 1984 May;8(3):529–36

Gastric cancer: problems in histogenesis. Arslan Pagnini C, et al. **Histopathology** 1983 Sep;7(5):699–706

The association between precancerous–columnar and squamous lesions of the cervix: a morphometric study. van Roon E, et al. **Histopathology** 1983 Nov;7(6):887–96

Endometrial carcinoma with argyrophil cells: a histochemical and immunohistochemical analysis. Aguirre P, et al. **Hum Pathol** 1984 Mar;15(3):210–7

Relation of fine structure to prognosis for papillary adenocarcinoma of the lung. Horie A, et al. **Hum Pathol** 1984 Sep;15(9):870–9

Differentiated thyroid carcinoma, intermediate type: a new tumor entity with features of follicular and parafollicular cell carcinoma. Ljungberg O, et al. **Hum Pathol** 1984 Mar; 15(3):218–28

Scar cancers of the lung: origin and significance. Madri JA, et al. **Hum Pathol** 1984 Jul;15(7):625–31

Adenosquamous carcinoma of the prostate. Saito R, et al. **Hum Pathol** 1984 Jan;15(1):87–9

Effect of lactoferrin on the growth of a human colon adenocarcinoma cell line—comparison with transferrin. Amouric M, et al. **In Vitro** 1984 Jul;20(7):543–8

Endometrial cancer together with leiomyosarcoma (report of an unusual case). Tripathi R, et al. **Indian J Pathol Microbiol** 1983 Oct;26(4):325–7

Tumor–cell–platelet aggregation does not correlate with metastatic potential of rat 13762NF mammary adenocarcinoma tumor cell clones. Estrada J, et al. **Int J Cancer** 1984 Jul 15;34(1):101–5

Differentiation features of human pancreatic tumor cells maintained in nude mice and in culture: immunocytochemical and ultrastructural studies. Hollande E, et al. **Int J Cancer** 1984 Aug 15;34(2):177–85

Modulation of human tumor colony growth in soft agar by serum. Hamburger AW, et al. **Int J Cell Cloning** 1983 Sep; 1(4):216–29

Argyrophilia and endometrial carcinoma. Bannatyne P, et al. **Int J Gynecol Pathol** 1983;2(3):235–54

Minimal deviation carcinoma (adenoma malignum) of the cervix. Kaminski PF, et al. **Int J Gynecol Pathol** 1983; 2(2):141–52

Evaluation of squamous epithelium in adenoacanthoma and adenosquamous carcinoma of the endometrium: immunoperoxidase analysis of involucrin and keratin localization. Warhol MJ, et al. **Int J Gynecol Pathol** 1984; 3(1):82–91

Spontaneous capillary tube migration of metastatic rat mammary adenocarcinoma cells. Badenoch–Jones P, et al. **Invasion Metastasis** 1984;4(2):98–110

Lymphatic metastasis of mammary adenocarcinoma. An experimental study in the rat with a brief review of the literature. Carr I, et al. **Invasion Metastasis** 1981;1(1):34–53 (43 ref.)

Comparison of 'spontaneous' and 'experimental' metastasis using rat 13762 mammary adenocarcinoma metastatic cell clones. Welch DR, et al. **Invasion Metastasis** 1983; 3(2):65–80

Isolation and characterization of highly and rarely metastatic clones from murine colon adenocarcinoma 26. Yamori T, et al. **Invasion Metastasis** 1984;4(2):84–97

Heterogeneous responses of an in vitro model of human stomach cancer to anticancer drugs. Barranco SC, et al. **Invest New Drugs** 1983;1(2):117–27

Sebaceous carcinoma of the foot. Case presentation and discussion. Kane HD, et al. **J Am Podiatry Assoc** 1984 Mar; 74(3):120–4

Adenosquamous carcinoma of the liver arising in biliary cystadenocarcinoma: clinical, radiologic, and pathologic features with review of the literature. Moore S, et al. **J Clin Gastroenterol** 1984 Jun;6(3):267–75

Argyrophil cells in normal, hyperplastic, and neoplastic endometrium. Sivridis E, et al. **J Clin Pathol** 1984 Apr; 37(4):378–81

Mixed carcinoma in situ: an immunohistochemical study.

Peralta OC, et al. **J Cutan Pathol** 1983 Oct;10(5):350–8

Capsule dermatopathology: origin of malignant epithelial neoplasms of the skin. Murphy GF. **J Dermatol Surg Oncol** 1984 May;10(5):341–4

Carcinoma of the male breast: review of the literature and case presentation. Davidson AT. **J Natl Med Assoc** 1983 Dec;75(12):1223–5

Incidence of lymph node involvement in localized carcinoma of the prostate. Reddy EK, et al. **J Natl Med Assoc** 1984 May;76(5):463–6

Compensatory hypertrophy of the soleus in tumor–bearing rats. Jaweed MM, et al. **J Neurol Sci** 1983 Oct;61(2):171–9

Metastasis to the midbrain. Report of two cases. Tomita T, et al. **J Neurooncol** 1984;2(1):73–7

Orbital fine–needle aspiration biopsy in patients with cavernous sinus syndrome. Slamovits TL, et al. **J Neurosurg** 1983 Dec;59(6):1037–42

Clinicopathologic conferences. Case 49, part I: Tumor of the palate. Cella RJ, et al. **J Oral Maxillofac Surg** 1984 Mar; 42(3):177–9

Case 49, Part II: pleomorphic adenoma of the palate and adenocarcinoma of the lung. Cella RJ, et al. **J Oral Maxillofac Surg** 1984 Apr;42(4):253–6

Endometrial adenocarcinoma coincident with intrauterine pregnancy. A case report. Zirkin HJ, et al. **J Reprod Med** 1983 Sep;28(9):624–6

Comparative studies of primary, metastatic and transplanted colon adenocarcinomas of Fischer 344 rats. Shamsuddin AM. **J Submicrosc Cytol** 1984 Apr;16(2):327–39

Clear cell hidradenocarcinoma—a case report with unusual in situ malignant changes. Al–Irhayim B. **J Surg Oncol** 1984 May;26(1):1–5

Influence of a reticuloendothelial–suppressing agent on liver tumor growth in the rat. Rydén S, et al. **J Surg Oncol** 1984 Aug;26(4):245–51

Multilocular cystic renal adenocarcinoma: a case report and review of the literature. Takeuchi T, et al. **J Surg Oncol** 1984 Feb;25(2):136–40

The biological implications of bronchial tumors. Warren WH, et al. **J Thorac Cardiovasc Surg** 1984 Feb;87(2):274–82

Clear cell adenocarcinoma of the urethra. Assimos DG, et al. **J Urol** 1984 Mar;131(3):540–1

Transrectal aspiration biopsy versus transperineal core biopsy for the diagnosis of carcinoma of the prostate. Chodak GW, et al. **J Urol** 1984 Sep;132(3):480–2

Invasive bladder cancer: tumor configuration, lymphatic invasion and survival. Heney NM, et al. **J Urol** 1983 Nov; 130(5):895–7

A new serially transplantable human prostatic cancer (HONDA) in nude mice. Ito YZ, et al. **J Urol** 1984 Aug; 132(2):384–7

Villous adenocarcinoma of the male urethra. Lieber MM, et al. **J Urol** 1983 Dec;130(6):1191–3

Transplantation of human renal cell carcinoma into NMRI nu/nu mice. I. Reliability of an experimental tumor model. Otto U, et al. **J Urol** 1984 Jan;131(1):130–3

A large renal mass in a pregnant woman [clinical conference] Robbins JK, et al. **J Urol** 1984 May;131(5):933–6

Correlation between stage and grade in prostatic adenocarcinoma: a morphometric study. Sharkey FE, et al. **J Urol** 1984 Sep;132(3):602–5

Cancer–to–cancer metastasis. Singh EO, et al. **J Urol** 1984 Aug;132(2):340–2

The effects of ketoconazole on testosterone production and normal and malignant androgen dependent tissues of the adult rat. Trachtenberg J. **J Urol** 1984 Sep;132(3):599–601

In vitro characterization of MAT LyLu: a Dunning rat prostate adenocarcinoma tumor subline. Wenger AS, et al. **J Urol** 1984 Jun;131(6):1232–6

Hyperbaric pressure effects measured by growth of a transplantable tumor in the C3H/HeN mouse. Herndon BL, et al. **JNCI** 1984 Sep;73(3):679–87

Effect of thyroxine on induction of Lucké renal adenocarcinomas in Lucké tumor herpesvirus–infected leopard frog tadpoles. Rollins–Smith LA, et al. **JNCI** 1984 Sep;73(3):717–20

Effects of specific active immunization on tumor recurrence following primary tumor resection in WF rats with 1,2–dimethylhydrazine–induced bowel cancer. Ross DS, et al. **JNCI** 1984 Sep;73(3):731–5

Early gastric cancer with widespread lymph node metastases; a case report. Hirono M, et al. **Jpn J Surg** 1984 Mar; 14(2):143–5

Intracystic carcinoma of the breast in an elderly man. Noguchi M, et al. **Jpn J Surg** 1983 Nov;13(6):519–23

Clinicopathological studies of minimal thyroid and ordinary thyroid cancers. Noguchi M, et al. **Jpn J Surg** 1984 Mar; 14(2):110–7

Gastric carcinoma with lymphoid stroma: correlation to reactive hyperplasia in regional lymph nodes and prognosis. Okamura T, et al. **Jpn J Surg** 1983 May;13(3):177–83

Adenocarcinoma of the sublingual gland: case report and 50 year review of the literature. Nishijima W, et al. **Laryngoscope** 1984 Jan;94(1):96–101

Carcinoma of the colon and rectum: Part 2, staging and prognosis. Elias EG. **Md State Med J** 1981 Apr;30(4):58–9

Histogenesis of thyroid carcinoma. Ljungberg O. **Med Hypotheses** 1984 Jul;14(3):253–7

Spontaneous resolution? [letter] Wooller HO. **Med J Aust** 1984 Apr 14;140(8):509

The cylindrocubic carcinomas of the lung (the so–called adenocarcinomas). A histopathological analysis of 725 cases. Eskenasy A. **Morphol Embryol (Bucur)** 1984 Jan–Mar;30(1):41–53

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 26–1984. Microangiopathic hemolytic anemia in a 53–year–old woman with metastatic breast cancer. **N Engl J Med** 1984 Jun 28;310(26):1728–36

The combined effects of 60Co gamma–rays and continuous low concentrations of bleomycin on cultured mammalian cells. Kobayashi H, et al. **Nagoya J Med Sci** 1984 Mar; 46(1–4):27–33

The changing anatomic distribution of adenocarcinoma of the colon and rectum 1955–1980. Buckley JF, et al. **Nebr Med J** 1984 Jan;69(1):6–8

Clinical differentiation between benign and malignant renal tumors. Koyama Y, et al. **Nippon Jinzo Gakkai Shi** 1983 Sep;25(9):1135–41

Clinicopathologic study of adenosquamous carcinoma of the uterine cervix. Tsukahara Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1983 Dec; 35(12):2387–94

Diffuse lymphadenopathy and anasarca in a 65–year–old woman [clinical conference] **NY State J Med** 1984 Jun; 84(6):306–11

Comparison of estrogen–induced hyperplasia to endometrial carcinoma. Bhagavan BS, et al. **Obstet Gynecol** 1984 Jul; 64(1):12–5

Surgical staging in endometrial cancer: clinical–pathologic findings of a prospective study. Boronow RC, et al. **Obstet Gynecol** 1984 Jun;63(6):825–32

Adenocarcinoma of the endometrium in women 40 years of age or younger. Gallup DG, et al. **Obstet Gynecol** 1984 Sep;64(3):417–20

Clear cell adenocarcinoma of the cervix unrelated to diethylstilbestrol exposure. Kaminski PF, et al. **Obstet Gynecol** 1983 Dec;62(6):720–7

Use of the human tumor stem cell assay to study chemotherapy sensitivity in cancer of the cervix. Parker RL Jr, et al. **Obstet Gynecol** 1984 Sep;64(3):412–6

Transition of vaginal adenosis to clear cell carcinoma [letter] Sandberg EC. **Obstet Gynecol** 1984 Apr;63(4):601–2

Growth characteristics of murine tumors: neuroblastoma, renal cell adenocarcinoma, Wistar/Furth Wilms' after storage in a cryopreservation system. Murphy GP, et al. **Oncology** 1984;41(4):280–4

Second primary tumor associated with salivary gland cancer. Pogrel MA, et al. **Oral Surg** 1984 Jul;58(1):71–5

Three–dimensional morphological study of rat gastric lesions induced by N–methyl–N'–nitro–N–nitrosoguanidine. Structural atypia in carcinoma and non–carcinomatous lesions. Kokubo T, et al. **Pathol Res Pract** 1984 May; 178(5):477–82

Glassy cell carcinoma of the uterine cervix. Tanaka T, et al. **Pathol Res Pract** 1984 Mar;178(4):389–94

Gastric and esophageal brush cytology. Lin BP, et al. **Pathology** 1983 Oct;15(4):393–7

Adenocarcinoma of the fallopian tubes: a clinicopathological study of eight cases. Yeung HH, et al. **Pathology** 1983 Jul; 15(3):279–86

Staging of M0 prostatic adenocarcinoma: how aggressive should one be? Olsson CA. **Prog Clin Biol Res** 1984; 153:455–67

The use of multiparameter flow cytometry to assess tumor cell heterogeneity and grade prostate cancer. Benson MC, et al. **Prostate** 1984;5(1):27–45

Antigrowth effect of polyamine biosynthesis inhibitors on the Dunning R 3327–G prostatic tumor. Herr HW, et al. **Prostate** 1984;5(4):439–44

Prostatic adenocarcinoma PC EW, a new human tumor line transplantable in nude mice. Hoehn W, et al. **Prostate** 1984; 5(4):445–52

Incidental adenocarcinoma of the prostate: the role of repeat transurethral resection in staging. Sonda LP, et al. **Prostate** 1984;5(2):141–6

Reliability of aspiration biopsy cytology in the grading of renal adenocarcinoma. Nurmi M, et al. **Scand J Urol Nephrol** 1984;18(2):151–6

Surgical and histopathology of renal tumors. Tannenbaum M. **Semin Oncol** 1983 Dec;10(4):385–9

Prognosis of metastatic renal adenocarcinoma. Nurmi M, et al. **Strahlentherapie** 1984 Jul;160(7):411–5

Carcinoma of the colon and rectum in patients less than 40 years of age. Pitluk H, et al. **Surg Gynecol Obstet** 1983 Oct;157(4):335–7

Changing distribution of carcinoma of the colon and rectum. Slater GI, et al. **Surg Gynecol Obstet** 1984 Mar;158(3):216–8

Interaction of human tumor cells with human platelets and the coagulation system. Al–Mondhiry H, et al. **Thromb Haemost** 1983 Oct 31;50(3):726–30

Morphometrical quantitation of pancreatic endocrine cells in patients with carcinoma of the pancreas. Hayashida CY, et al. **Tohoku J Exp Med** 1983 Nov;141(3):311–22

Decrease in saturation density of mammalian carcinoma cell culture during exposure to bestatin, a clinically applicable agent. Okuyama S, et al. **Tohoku J Exp Med** 1984 Mar; 142(3):349–50

Early gastric cancer superimposed on infestation of an Anisakis–like larva: a case report. Tsutsumi Y, et al. **Tokai J Exp Clin Med** 1983 Jul;8(3):265–73

Colorectal cancer: relationship of histologic grading to disease prognosis. Berti Riboli E, et al. **Tumori** 1983 Dec 31;69(6):581–4

Morphofunctional findings in adenocarcinoma of endometrium. Eusebi V, et al. **Tumori** 1984 Jun 30; 70(3):291–5

Thin–needle aspiration biopsy of the prostate. Koss LG, et al. **Urol Clin North Am** 1984 May;11(2):237–51

Clinical staging of prostatic cancer: new modalities. Spirnak JP, et al. **Urol Clin North Am** 1984 May;11(2):221–35 (79 ref.)

Vena cava tumor thrombus from renal cell carcinoma arising from adrenal vein. Crawford ED, et al. **Urology** 1984 Jun; 23(6):538–40

Simultaneous occurrence of angiomyolipoma and renal cell carcinoma. Clinical and pathologic (including ultrastructural) features. Silpananta P, et al. **Urology** 1984 Feb;23(2):200–4

Stone–like calcification of hypernephroma. Tsung SH, et al. **Urology** 1983 Sep;22(3):278–9

Renal immunopathology in renal cell carcinoma. Beaufils H, et al. **Virchows Arch [A]** 1984;404(1):87–97

The encapsulated follicular carcinoma of the thyroid. A clinicopathologic study of 35 cases. Schröder S, et al. **Virchows Arch [A]** 1984;402(3):259–73

Small pedunculated tubular adenoma of the colon with carcinoma restricted to the head, invasion of lymphatics and widespread metastases. Case report and review of the literature. Stamm B, et al. **Virchows Arch [A]** 1983; 402(1):83–9 (27 ref.)

Atypical glands in gastric adenoma. Three–dimensional architecture compared with carcinomatous and metaplastic glands. Takahashi T, et al. **Virchows Arch [A]** 1984; 403(2):135–48

Architectural pattern of gastric adenocarcinoma—a 3–dimensional reconstruction study. Takahashi T, et al. **Virchows Arch [A]** 1984;403(2):127–34

Cytokeratins in normal lung and lung carcinomas. I. Adenocarcinomas, squamous cell carcinomas and cultured cell lines. Blobel GA, et al. **Virchows Arch [Cell Pathol]** 1984;45(4):407–29

Is renal cell (Grawitz) tumor a carcinosarcoma? Evidence from analysis of intermediate filament types. Herman CJ, et al. **Virchows Arch [Cell Pathol]** 1983;44(1):73–83

Cytological studies of carcinogen–treated bovine pancreatic ductal organ explants. Resau JH, et al. **Virchows Arch [Cell Pathol]** 1984;45(4):355–63

Strictures of the intrahepatic bile ducts. Mercadier M, et al. **World J Surg** 1984 Feb;8(1):15–21 (20 ref.)

Carcinoma of the stomach in a 7–year–old boy—a case report and a review of the literature on children under 10 years of age. Goto S, et al. **Z Kinderchir** 1984 Apr;39(2):137–40 (17 ref.)

[Combined forms of cancer of the thyroid gland] Simeonov L, et al. **Khirurgiia (Sofiia)** 1984;37(2):112–6 (Eng. Abstr.) **(Bul)**

[Clear cell carcinoma of the lung—report of 4 cases and review of the literature] Wang X. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1984 Feb;7(1):22–3 (Eng. Abstr.) **(Chi)**

[Clear cell adenocarcinoma of the cervix in young women—a report of 4 cases] Cheng GY. **Chung Hua Chung Liu Tsa Chih** 1983 Jul;5(4):296–8 (Eng. Abstr.) **(Chi)**

[Experimental studies on transplantable pulmonary adenocarcinoma in 615–strain mice (P615)] Wu DQ. **Chung Hua Chung Liu Tsa Chih** 1984 Jan;6(1):1–4 (Eng. Abstr.) **(Chi)**

[Follicular type of thyroid papillary carcinoma] Xu SX. **Chung Hua Chung Liu Tsa Chih** 1984 Jan;6(1):63–5 (Eng. Abstr.) **(Chi)**

[Adenocarcinoma of the cardial region accompanied by carcinoid syndrome (with report of a case)] Li HM. **Chung Hua I Hsueh Tsa Chih** 1983 May;63(5):305–6 **(Chi)**

[Metastasis from renal cell carcinoma to the gallbladder] Harder VV, et al. **Ugeskr Laeger** 1983 Oct 17;145(42):3261 (Eng. Abstr.) **(Dan)**

[Adenoma of the kidney and its relation to hypernephroma] Van Kerrebroeck P, et al. **Acta Urol Belg** 1983;51(3):251–5 (Eng. Abstr.) **(Fre)**

[Cutaneous neuroendocrine carcinoma : apropos of a case] Illy G, et al. **Ann Dermatol Venereol** 1983;110(6–7):525–35 (Eng. Abstr.) **(Fre)**

[A new case of Merkel–cell tumor] Valcuende Cavero F, et al. **Ann Dermatol Venereol** 1984;111(5):469–76 **(Fre)**

[Clear cell ductal adenocarcinoma or epithelio–myoepithelial carcinoma of the salivary glands. Apropos of 2 cases with review of the literature] Phat VN, et al. **Ann Otolaryngol Chir Cervicofac** 1984;101(5):375–9 (Eng. Abstr.) **(Fre)**

[Hiatal hernia and cancer of the esophagus] Tornay PA. **Helv Chir Acta** 1984 Apr;51(1):25–8 (Eng. Abstr.) **(Fre)**

[Anatomopathology of breast cancer and hormone receptors] Contesso G, et al. **Pathol Biol (Paris)** 1983 Nov; 31(9):747–54 (Eng. Abstr.) **(Fre)**

[Cylindrical cancer of the lung. Analysis of a series of 191 cases] Roeslin N, et al. **Rev Pneumol Clin** 1984;40(2):105–8 (Eng. Abstr.) **(Fre)**

[Prognostic significance of cellular stromal reaction at the tumor margin and the reaction in the regional lymph nodes in rectal adenocarcinoma. Patient follow–up studies after curative abdominoperineal rectal amputation] Seifart W, et al. **Arch Geschwulstforsch** 1983;53(6):579–88 (Eng. Abstr.) **(Ger)**

[Accuracy of vaginal cytology in adenocarcinoma of the endometrium] Neis KJ, et al. **Geburtshilfe Frauenheilkd** 1984 May;44(5):291–4 (Eng. Abstr.) **(Ger)**

[Problems in the preoperative diagnosis of cervical involvement in endometrial carcinoma] Neis KJ, et al. **Geburtshilfe Frauenheilkd** 1983 Oct;43(10):616–9 (Eng. Abstr.) **(Ger)**

[Clinical and pathological aspects of 'rare' metastases of colorectal carcinoma] Hager J, et al. **Helv Chir Acta** 1984 Mar;50(6):757–64 (Eng. Abstr.) **(Ger)**

[Merkel cell tumor of the skin. Light and electron microscopic study of 5 cases] Cremer H, et al. **Pathologe** 1983 Nov;4(6):287–93 **(Ger)**

[Adenocarcinoma of the lacrimal gland with sebaceous gland differentiation] Konrad EA. **Pathologe** 1983 Sep; 4(5):257–60 **(Ger)**

[Prognostic assessment of morphological criteria in breast carcinoma] Stosiek U, et al. **Pathologe** 1984 Mar;5(2):86–9 **(Ger)**

[Pathology and epidemiology of prostatic cancer] Böcking A. **Radiologe** 1984 Jan;24(1):5–12 (Eng. Abstr.) **(Ger)**

[Comparative histopathologic and sonomorphological prostate studies] Egender G, et al. **ROFO** 1984 Jan; 140(1):60–6 (Eng. Abstr.) **(Ger)**

[Biological behavior of prostatic carcinoma. II. Clinico-surgical studies on lymphogenic metastasizing of prostatic carcinoma] Schubert J, et al. **Urologe [Ausg A]** 1983 Sep;22 Suppl:356–9 (Eng. Abstr.) **(Ger)**

[Rectal carcinoma in childhood] Bätz W, et al. **Z Kinderchir** 1983 Oct;38(5):341–4 (Eng. Abstr.) **(Ger)**

[Periosteal neo-osseous formation associated with malignant rectal tumors] Szántó D. **Orv Hetil** 1983 Sep 11; 124(37):2245–7 (Eng. Abstr.) **(Hun)**

[Apocrine adenocarcinoma of the eyelids] Borroni G, et al. **G Ital Dermatol Venereol** 1983 Sep–Oct;118(5):323–6 (Eng. Abstr.) **(Ita)**

[Neoplastic evolution of the organoid nevus. A case of metastasizing apocrine adenocarcinoma] Schiazza L, et al. **G Ital Dermatol Venereol** 1983 Jan–Feb;118(1):49–53 (Eng. Abstr.) **(Ita)**

[Adenocarcinoma of the colon and rectum in hospitalized adult patients] Negro G, et al. **Minerva Chir** 1984 Mar 15; 39(5):329–35 (Eng. Abstr.) **(Ita)**

[The adenoma–carcinoma sequence in the colon and rectum. Considerations on 68 cases] Noya G, et al. **Minerva Chir** 1984 Apr 15;39(7):523–6 (Eng. Abstr.) **(Ita)**

[Adenocarcinoma of the small intestine. Clinical report of a case located in the jejunum] Franzini M, et al. **Minerva Dietol Gastroenterol** 1983 Jul–Sep;29(3):239–43 (Eng. Abstr.) **(Ita)**

[Ovarian adenoacanthoma in an endometrial cyst. Report of a case] Di Bonito L, et al. **Minerva Ginecol** 1984 Jan–Feb; 36(1–2):33–6 (Eng. Abstr.) **(Ita)**

[Adenocarcinoma occurring in an aberrant mammary gland located in the vulva] Guercio E, et al. **Minerva Ginecol** 1984 Jun;36(6):315–9 (Eng. Abstr.) **(Ita)**

[Histological profile, histogenesis and biological assessment of clear-cell microcarcinoma of the prostate] Linoli O. **Pathologica** 1984 Jan–Feb;76(1041):21–33 (Eng. Abstr.) **(Ita)**

[Trabecular carcinoma of the skin] Martinelli G, et al. **Pathologica** 1983 Jul–Aug;75(1038):481–91 (Eng. Abstr.) **(Ita)**

[2 cases of adenocarcinoma metastatic to hernial sacs] Toncini C, et al. **Pathologica** 1983 May–Jun;75(1037):435–8 (Eng. Abstr.) **(Ita)**

[Three operated cases of synchronous double cancers in the lung and stomach. A review of the Japanese literature] Arimura T, et al. **Gan No Rinsho** 1984 Mar;30(3):283–91 (Eng. Abstr.) **(Jpn)**

[In vitro chemosensitivity test of human solid cancer: 3H-thymidine uptake inhibition test] Hanatani Y, et al. **Gan No Rinsho** 1984 Jul;30(9 Suppl):1123–9 (Eng. Abstr.) **(Jpn)**

[Case of lipohyperplasia of the ileocecal valve with adenocarcinoma of the ascending colon] Hayashi I, et al. **Gan No Rinsho** 1983 Oct;29(12):1476–9 (Eng. Abstr.) **(Jpn)**

[An autopsy case of ovarian clear cell carcinoma 14 years after irradiation for uterine cervical carcinoma] Inoue Y, et al. **Gan No Rinsho** 1984 Apr;30(4):413–8 (Eng. Abstr.) **(Jpn)**

[Ossification arising in the atypical epithelium in primary stomach cancer—report of a case] Ishizuka H, et al. **Gan No Rinsho** 1983 Dec;29(15):1772–8 (Eng. Abstr.) **(Jpn)**

[Case of gastrin-producing carcinoid, adenocarcinoma and xanthoma of the stomach] Kanabe S, et al. **Gan No Rinsho** 1983 Oct;29(12):1466–70 (Eng. Abstr.) **(Jpn)**

[Screening test of antitumor agents by human tumor cell lines in nude mice in ascitic form] Kitahara T, et al. **Gan No Rinsho** 1984 Jul;30(9 Suppl):1158–67 (Eng. Abstr.) **(Jpn)**

[Cellular changes in malignant pleural effusion induced by intrapleural injection of BCG-CWS] Matsuda M, et al. **Gan No Rinsho** 1983 Aug;29(9):955–61 (Eng. Abstr.) **(Jpn)**

[A case of carcinoma originating from accessory breast tissue of the axilla] Matsuoka H, et al. **Gan No Rinsho** 1984 Apr; 30(4):387–91 (Eng. Abstr.) **(Jpn)**

[Primary adenosquamous carcinoma of the ileum—a case report] Nakagawa K, et al. **Gan No Rinsho** 1983 Aug; 29(9):1025–8 (Eng. Abstr.) **(Jpn)**

[Case of simultaneous triple cancers of the duodenal papilla, gallbladder and stomach] Nakagoe T, et al. **Gan No Rinsho** 1983 Aug;29(9):1021–4 (Eng. Abstr.) **(Jpn)**

[A case with intramucosal carcinoma of the esophagus in widely expanding dysplasia—an autopsy case with simultaneous double-cancer of the esophagus and sigmoid colon] Nakamura R, et al. **Gan No Rinsho** 1984 Jul; 30(8):937–42 (Eng. Abstr.) **(Jpn)**

[Undifferentiated adenocarcinoma of the lung associated with sarcoidosis—differential diagnosis] Nakayama S, et al. **Gan No Rinsho** 1984 Apr;30(4):378–82 (Eng. Abstr.) **(Jpn)**

[A clinicopathological study on carcinoma of the gastric stump, with special reference to mucosal change] Ohyama T, et al. **Gan No Rinsho** 1984 Jan;30(1):43–52 (Eng. Abstr.) **(Jpn)**

[A case of advanced gastric cancer associated with smouldering adult T-cell leukemia (ATL)] Sakai M, et al. **Gan No Rinsho** 1984 Mar;30(3):301–6 (Eng. Abstr.) **(Jpn)**

[Cervical adenocarcinoma: histologic staging and pelvic lymph node metastasis] Sakamoto A, et al. **Gan No Rinsho** 1984 Feb;30(2):138–44 (Eng. Abstr.) **(Jpn)**

[Sequential histological studies of prostatic adenocarcinoma after treatment] Sakamoto A, et al. **Gan No Rinsho** 1983 Oct;29(12):1433–40 (Eng. Abstr.) **(Jpn)**

[Minute gallbladder cancer—case report with suggestions regarding a possibly unique histogenesis] Sato H, et al. **Gan No Rinsho** 1984 Jun;30(7):843–8 (Eng. Abstr.) **(Jpn)**

[A case of primary adenosquamous carcinoma of the stomach associated with gastric polyposis] Sato N, et al. **Gan No Rinsho** 1984 Mar;30(3):292–5 (Eng. Abstr.) **(Jpn)**

[Gastric lymphosarcoma associated with early carcinoma (type IIa)—a case report] Sawa S, et al. **Gan No Rinsho** 1984 Apr;30(4):393–8 (Eng. Abstr.) **(Jpn)**

[A case report of minimal cancer of the thyroid gland with lymph node metastasis] Takahashi K, et al. **Gan No Rinsho** 1984 Mar;30(3):275–77 **(Jpn)**

[A case of gastric carcinoid associated with multiple early gastric cancers and atypical epithelium] Takahashi N, et al. **Gan No Rinsho** 1984 May;30(5):524–8 (Eng. Abstr.) **(Jpn)**

[A case of minute carcinoma associated with an atypical epithelial lesion of the stomach and histopathological analysis] Toi M, et al. **Gan No Rinsho** 1984 May; 30(5):519–23 (Eng. Abstr.) **(Jpn)**

[Four case reports of sarcoma combined with carcinoma] Ubayama Y, et al. **Gan No Rinsho** 1984 Jun;30(7):827–33 (Eng. Abstr.) **(Jpn)**

[Squamous change in gastric cancer] Yamagiwa H, et al. **Gan No Rinsho** 1983 Dec;29(15):1721–6 (Eng. Abstr.) **(Jpn)**

[Squamous change of adenocarcinoma of the large intestine] Yamagiwa H, et al. **Gan No Rinsho** 1984 Mar;30(3):233–8 (Eng. Abstr.) **(Jpn)**

[Autopsy case of simultaneous triple malignancies—ovarian, chordoma and thyroid cancers] Yamamoto Y, et al. **Gan No Rinsho** 1983 Sep;29(11):1375–8 (Eng. Abstr.) **(Jpn)**

[Adenocarcinoma adjoining to the gastric antrum and minute carcinoid—a case report] Yamauchi M, et al. **Gan No Rinsho** 1983 Sep;29(11):1356–60 (Eng. Abstr.) **(Jpn)**

[Merkel cell tumor of the skin] Yoshida Y, et al. **Gan No Rinsho** 1983 Sep;29(11):1330–5 (Eng. Abstr.) **(Jpn)**

[Effect of peripheral blood lymphocytes on in vitro colony formation of human lung cancer cell line (PC-7)] Shimizu E, et al. **Gan To Kagaku Ryoho** 1984 Mar;11(3):527–8 (Eng. Abstr.) **(Jpn)**

[Intraperitoneal transplantation derived from spontaneous colonic cancer of WF rat strain] Takada M, et al. **Gan To Kagaku Ryoho** 1984 Mar;11(3):487–91 (Eng. Abstr.) **(Jpn)**

[Clinicopathological studies on carcinoma of Vater's ampulla] Sada M. **Nippon Geka Gakkai Zasshi** 1983 Nov; 84(11):1186–97 (Eng. Abstr.) **(Jpn)**

[Chemosensitivity of KK-47 bladder cancer cells and KN-41 renal cancer cells heterotransplanted in nude mice] Koizumi H. **Nippon Hinyokika Gakkai Zasshi** 1983 May; 74(5):704–18 (Eng. Abstr.) **(Jpn)**

[A clinicopathological study on urinary bladder cancer. Relation of pathological characteristics to prognosis after total cystectomy] Kuroda M. **Nippon Hinyokika Gakkai Zasshi** 1984 Mar;75(3):379–90 (Eng. Abstr.) **(Jpn)**

[Heterogeneity of human renal cell carcinoma. I: Studies on morphology, karyotype and cell kinetics of cultured cell line KU-2] Nagakura K. **Nippon Hinyokika Gakkai Zasshi** 1984 Mar;75(3):431–9 (Eng. Abstr.) **(Jpn)**

[Histological evaluation of renal cell carcinoma. II. Histopathological features affecting prognosis] Onishi T, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Dec; 74(12):2097–106 (Eng. Abstr.) **(Jpn)**

[Clinical and pathological evaluation of 5 cases of hypovascular or avascular renal cell carcinoma] Onishi T, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 May; 74(5):840–6 (Eng. Abstr.) **(Jpn)**

[Histopathological study of renal cell carcinoma. I. The cell type, histologic structure, and staging] Onishi T, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Jun;74(6):967–76 (Eng. Abstr.) **(Jpn)**

[Three cases of sarcomatoid renal adenocarcinoma] Sakai Y, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Dec; 74(12):2159–65 (Eng. Abstr.) **(Jpn)**

[A clinico-pathological study of 181 cases with primary bladder tumor] Sasaki S, et al. **Nippon Hinyokika Gakkai Zasshi** 1984 Mar;75(3):391–403 (Eng. Abstr.) **(Jpn)**

[Case of clear cell adenocarcinoma of the bladder] Sugao H, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Aug; 74(8):1447–52 (Eng. Abstr.) **(Jpn)**

[Venous invasion of the urogenital malignant tumors—CT and sonographic evaluations] Takebayashi S, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1983 Dec 25; 43(12):1382–92 (Eng. Abstr.) **(Jpn)**

[A case report of lung cancer in a 14-year-old boy] Uno A, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Jan; 32(1):121–5 (Eng. Abstr.) **(Jpn)**

[3 cases of lung cancer in patients with von Recklinghausen's disease] Katoh O, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Sep;21(9):873–8 (Eng. Abstr.) **(Jpn)**

[A case report of diffuse malignant pleural mesothelioma combined with follicular thyroid carcinoma, and a biochemical study on its glycosaminoglycans] Nakano T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Nov; 21(11):1117–21 (Eng. Abstr.) **(Jpn)**

[Case of triple cancer co-existent with leprosy] Obara A, et al. **Nippon Rai Gakkai Zasshi** 1982 Oct–Dec;51(4):183–6 (Eng. Abstr.) **(Jpn)**

[A case of pregnancy complicated with ovarian endometrioid carcinoma] Suzuki M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 May;36(5):825–8 **(Jpn)**

[Histogenesis of ovarian tumor and its endocrine correlation—with special reference to experimental tumor] Yakushiji M. **Nippon Sanka Fujinka Gakkai Zasshi** 1983 Aug;35(8):1175–84 **(Jpn)**

[Heterotransplantation of human gastric carcinomas into nude mice. Transplantability and tumor doubling time of 100 cases of human gastric carcinomas into nude mice] Miyagi N, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Dec;80(12):2512–9 (Eng. Abstr.) **(Jpn)**

[Two cases of primary intracranial malignant lymphoma] Ando A, et al. **No Shinkei Geka** 1984 Feb;12(2):191–6 (Eng. Abstr.) **(Jpn)**

[Thin-needle aspiration biopsy in the diagnosis of pancreatic tumors] Woyke S, et al. **Patol Pol** 1983 Oct–Dec; 34(4):369–77 (Eng. Abstr.) **(Pol)**

[Accuracy in the diagnosis of histopathological types of lung cancer based on microscopic examination of specimens from the respiratory tract] Szymańska D, et al. **Pneumonol Pol** 1983 Nov;51(11):577–83 (Eng. Abstr.) **(Pol)**

[Electron microscopic study of cellular differentiation in metastases of cancer of the large intestine in man] Delektorskaia VV, et al. **Arkh Patol** 1984;46(3):38–45 (Eng. Abstr.) **(Rus)**

[Morphological variants of glandulo-squamous cell cancer of the esophagus] Kusakina GK, et al. **Arkh Patol** 1984; 46(7):32–8 (Eng. Abstr.) **(Rus)**

[Morphological diagnosis of early forms of adenocarcinomas of the cervix] Novik VI, et al. **Arkh Patol** 1983;45(8):38–43 (Eng. Abstr.) **(Rus)**

[Biological essence of the squamous-cell structures in 2-component endometrial cancer] Smirnov OA. **Arkh Patol** 1983;45(6):47–51 (Eng. Abstr.) **(Rus)**

[Clear-cell variant of nephroblastoma (clinico-morphological characteristics of 9 cases)] Sokolova IN, et al. **Arkh Patol** 1984;46(6):33–40 (Eng. Abstr.) **(Rus)**

[Current histological classification and morphological and statistical characteristics of stomach cancer] Zolotarevskii VB, et al. **Arkh Patol** 1984;46(6):27–33 (Eng. Abstr.) **(Rus)**

[Morphological characteristics of colonic cancer in organ cultures] Petrovichev NN, et al. **Biull Eksp Biol Med** 1983 Nov;96(11):88–91 (Eng. Abstr.) **(Rus)**

[Clinico-morphological parallels in different histological variants of breast cancer] Belikov GN. **Khirurgiia (Mosk)** 1983 Nov;(11):48–52 (Eng. Abstr.) **(Rus)**

[Characteristics of the intravital staining of tumors and hyperplastic changes in the mucous membrane of the large intestine] Khankin SL, et al. **Klin Med (Mosk)** 1983 Aug; 61(8):88–91 (Eng. Abstr.) **(Rus)**

[Metastatic lesions of the liver in cancer of the stomach, colon and rectum] Komov DV, et al. **Klin Med (Mosk)** 1983 Jul; 61(7):77–81 (Eng. Abstr.) **(Rus)**

[DNA level in the cell nuclei of rectal mucosa and rectal cancer during preoperative radiotherapy] Avtandilov GG, et al. **Med Radiol (Mosk)** 1984 Aug;29(8):20–4 (Eng. Abstr.) **(Rus)**

[Plexogenic pulmonary arteriopathy in cancer] Zerbino DD,

et al. **Sov Med** 1983;(11):10–3 (Eng. Abstr.) **(Rus)**
[Case of a very rapid development of stomach cancer] Sinev IuV, et al. **Ter Arkh** 1984;56(2):141 **(Rus)**
[Criteria of benign and malignant ulceration of the stomach] Bachev II. **Vestn Khir** 1983 Nov;131(11):28–30 (Eng. Abstr.) **(Rus)**
[Roentgeno-morphological comparisons in lung cancer] Blinov NN, et al. **Vopr Onkol** 1984;30(6):58–63 (Eng. Abstr.) **(Rus)**
[Carcinoid tumor of the esophagus (a case report)] Frank GA, et al. **Vopr Onkol** 1984;30(3):82–4 **(Rus)**
[Combined morphologic evaluation of the efficacy of progestin therapy of primary endometrial cancer] Shvedova LA, et al. **Vopr Onkol** 1984;30(3):40–4 (Eng. Abstr.) **(Rus)**
[Prognostic value of histological variants of adenosquamous carcinoma of the corpus uteri] Smirnov OA. **Vopr Onkol** 1984;30(3):32–7 (Eng. Abstr.) **(Rus)**
[Primary multiple cancer of both lungs] Trakhtenberg AKh, et al. **Vopr Onkol** 1984;30(1):23–33 (Eng. Abstr.) **(Rus)**
[Growth rate as one of the characteristics of peripheral lung cancer] Vagner RI, et al. **Vopr Onkol** 1984;30(6):53–7 (Eng. Abstr.) **(Rus)**
[Effect of the morphological structure of lung cancer on the incidence and type of regional metastases] Vagner RI, et al. **Vopr Onkol** 1984;30(1):33–7 (Eng. Abstr.) **(Rus)**
[Clear cell carcinoma of the endometrium] Kanajet D, et al. **Jugosl Ginekol Opstet** 1983 Sep–Dec;23(5–6):119–22 (Eng. Abstr.) **(Ser)**
[Metastasis to the testis and epididymis of a prostatic carcinoma: apropos of a case] Guajardo Guajardo J, et al. **Actas Urol Esp** 1984 May–Jun;8(3):235–6 (Eng. Abstr.) **(Spa)**
[Prostatic endometrioid adenocarcinoma; report of a case] Gutiérrez del Pozo R, et al. **Actas Urol Esp** 1984 Jan–Feb; 8(1):85–6 (Eng. Abstr.) **(Spa)**
[Bladder adenocarcinoma] Minervini R, et al. **Arch Esp Urol** 1983 May–Jun;36(3):187–91 (Eng. Abstr.) **(Spa)**
[Pathology review. Prostatic carcinoma: importance of the histological staging] Castillo-Staab M. **Bol Asoc Med PR** 1983 Sep;75(9):393–5 **(Spa)**
[Clinical and therapeutic considerations in Gardner syndrome: study of a family] Tiberio G, et al. **Med Clin (Barc)** 1983 Oct 15;81(11):485–7 (Eng. Abstr.) **(Spa)**
[Recto-sigmoid polyps and their relation to cancer of the rectum] Fernández Velázquez J, et al. **Rev Esp Enferm Apar Dig** 1982 Dec;62(6):466–8 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Effect of estrogen and antiestrogen on the human breast cancer cell line MCF-7 adapted to growth at low serum concentration. Briand P, et al. **Cancer Res** 1984 Mar; 44(3):1114–9
Involvement of plasminogen activator production with tumor metastasis in a rat model. Carlsen SA, et al. **Cancer Res** 1984 Jul;44(7):3012–6
Relationship between multiple forms of plasminogen activator in human breast tumors and plasma and the presence of metastases in lymph nodes. Colombi M, et al. **Cancer Res** 1984 Jul;44(7):2971–5
Protein synthesis measured in vivo in muscle and liver of cachectic tumor-bearing mice. Emery PW, et al. **Cancer Res** 1984 Jul;44(7):2779–84
Effects of alpha-difluoromethylornithine and recombinant interferon-alpha 2 on the growth of a human renal cell adenocarcinoma xenograft in nude mice. Heston WD, et al. **Cancer Res** 1984 Aug;44(8):3220–5
Histopathological and biochemical analyses of transplantable renal adenocarcinoma in rats induced by N-ethyl-N-hydroxyethylnitrosamine. Hiasa Y, et al. **Cancer Res** 1984 Apr;44(4):1664–70
Histological evaluation of in vitro responses of endometrial adenocarcinoma to progestins and their relation to progesterone receptor levels. Holinka CF, et al. **Cancer Res** 1984 Jan;44(1):293–6
Establishment and characterization of four new human non-small cell lung cancer cell lines. Loh PM, et al. **Cancer Res** 1984 Aug;44(8):3561–9
'COLO 357,' a human pancreatic adenosquamous carcinoma: growth in artificial capillary culture and in nude mice. Meitner PA, et al. **Cancer Res** 1983 Dec;43(12 Pt 1):5978–85
Effect of retinoic acid on the growth and morphology of a prostatic adenocarcinoma cell line cloned for the retinoid inducibility of alkaline phosphatase. Reese DH, et al. **Cancer Res** 1983 Nov;43(11):5443–50
Interaction of metastatic tumor cells with bovine lens capsule basement membrane. Starkey JR, et al. **Cancer Res** 1984 Apr;44(4):1585–94
Estrogen and progestin receptors in colonic cancer? Wobbes T, et al. **Dis Colon Rectum** 1984 Sep;27(9):591–2
Relationship between intercellular communication and radiosensitivity of human tumor xenografts. Dertinger H, et al. **Eur J Cancer Clin Oncol** 1984 Apr;20(4):561–6
Spontaneous regression of advanced endometrial carcinoma. Beller U, et al. **Gynecol Oncol** 1984 Mar;17(3):381–5
Endogenous prostaglandin production by established cultures of neoplastic rat mammary epithelial cells. Cohen LA, et al. **In Vitro** 1984 Feb;20(2):119–26
Effects of 5-fluorouracil and the combination of 5-fluorouracil and human leukocyte interferon on human salivary gland adenocarcinoma cell line in culture. Sato M, et al. **Int J Oral Surg** 1984 Feb;13(1):35–44
Endocrine dependence of prostatic cancer upon dihydrotestosterone and not upon testosterone. Petrow V, et al. **J Pharm Pharmacol** 1984 May;36(5):352–3
Effects of a metastatic (13762) and nonmetastatic (R3230AC) mammary adenocarcinoma on radiocolloid localization in regional lymph nodes in Fischer 344 rats. Ege GN, et al. **J Reticuloendothel Soc** 1983 Dec;34(6):449–62
Biological effects of hormonal treatment regimens on a transplantable human prostatic tumor line (PC–82). van Steenbrugge GJ, et al. **J Urol** 1984 Apr;131(4):812–7
Effect of omega-3 fatty acids on growth of a rat mammary tumor. Karmali RA, et al. **JNCI** 1984 Aug;73(2):457–61
Spontaneous resolution of adenocarcinoma [letter] Davies PG. **Med J Aust** 1984 Feb 18;140(4):248
Delayed tetraplegia after a neck injury. Harper C, et al. **Med J Aust** 1984 Feb 18;140(4):230–3
Renal cell carcinoma—xenotransplantation into immuno-suppressed mice. Kopper L, et al. **Oncology** 1984; 41(1):19–24
Apparent involvement of opioid peptides in stress-induced enhancement of tumor growth. Lewis JW, et al. **Peptides (Fayetteville)** 1983 Sep–Oct;4(5):635–8
Chromosomal protein antigens formed in experimental hepatocarcinogenesis by azo dyes. Schmidt WN, et al. **Prog Nucleic Acid Res Mol Biol** 1983;29:253–6
Gallium induces reduction of negative charge of the cell membrane and redifferentiation of cancer cells. Okuyama S, et al. **Tohoku J Exp Med** 1984 Mar;142(3):347–8
Cell surface properties of spontaneously metastasizing rat mammary adenocarcinoma cell clones. Steck PA, et al. **Transplant Proc** 1984 Apr;16(2):355–60
[Functional lymph node metastases of thyroid cancer in 2 patients with Basedow's disease] Wemeau JL, et al. **LARC Med** 1984 Feb;4(2):79–84 (Eng. Abstr.) **(Fre)**
[Cancer of the breast and meningioma. A non-fortuitous association (letter)] Bachaud JM, et al. **Presse Med** 1984 May 12;13(20):1273 **(Fre)**
[Dark adaptation of patients with head and neck tumors] Bichler E, et al. **Onkologie** 1983 Dec;6(6):314–8 (Eng. Abstr.) **(Ger)**
[Clinico-morphological characteristics and results of treatment of endometrioid cystadenocarcinoma of the ovary] Vinokurov VL, et al. **Vopr Onkol** 1983;29(12):49–56 (Eng. Abstr.) **(Rus)**
[Hepatic dysfunction and hyperfibrinogenemia in renal adenocarcinoma] Pujol Bosch F, et al. **Rev Clin Esp** 1983 Dec 15;171(5):325–7 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Cancer control: X-ray induced C3HBA tumor regression and prevention of its regrowth by beta-carotene or vitamin A. Seifter E, et al. **Prog Clin Biol Res** 1983;130:237–47

RADIOGRAPHY

Comparison of CT and angiography in assessing resectability of pancreatic carcinoma. Jafri SZ, et al. **AJR** 1984 Mar; 142(3):525–9
Lysis of osteoblastic lesions in prostatic cancer: a sign of progression. Pollen JJ, et al. **AJR** 1984 Jun;142(6):1175–9
Mass in horseshoe kidney. Rubin E, et al. **Ala J Med Sci** 1984 Jan;21(1):54–7
Adenocarcinoma of jejenum: a difficult diagnosis. Torres EA, et al. **Bol Asoc Med PR** 1984 Mar;76(3):111–3
The pre-operative assessment of advanced gastric cancer by computed tomography. Dehn TC, et al. **Br J Surg** 1984 Jun;71(6):413–7
Rectal cancer: extent of disease and radiotherapeutic effects by computed tomography. Sperber M, et al. **Comput Radiol** 1983 Jul–Aug;7(4):209–14
CT assessment of operability in carcinoma of the oesophagogastric junction. Terrier F, et al. **Eur J Radiol** 1984 May;4(2):114–7
Oncologic imaging: kidney and ureter. McClennan BL, et al. **Int J Radiat Oncol Biol Phys** 1983 Nov;9(11):1683–704 (93 ref.)
Renal cell carcinoma and meningioma in an adolescent: report of case. Field JS, et al. **J Am Osteopath Assoc** 1983 Nov;83(3):228–33
The clinical significance of radiographically detected pulmonary neoplastic lesions in patients with head and neck cancer. Malefatto JP, et al. **J Clin Oncol** 1984 Jun; 2(6):625–30
CT demonstration of hyperdense renal carcinoma. Dunnick NR, et al. **J Comput Assist Tomogr** 1984 Oct;8(5):1023–4
Evaluation of the pulmonary hilum: comparison of conventional radiography, 55 degrees posterior oblique tomography, and dynamic computed tomography. Glazer GM, et al. **J Comput Assist Tomogr** 1983 Dec;7(6):983–9
Hiatal hernia causing a cardia pseudomass on computed tomography. Pupols A, et al. **J Comput Assist Tomogr** 1984 Aug;8(4):699–700
Computed tomography in recurrent or metastatic colon cancer: relation to rising serum carcinoembryonic antigen. Shirkhoda A, et al. **J Comput Assist Tomogr** 1984 Aug; 8(4):704–8
Carcinoma of the ampulla of Vater presenting as acute pancreatitis. Wise RH Jr, et al. **J Comput Assist Tomogr** 1984 Feb;8(1):158–61
Oesophageal adenocarcinoma in a boy of fifteen years. Al Hilou R, et al. **J Laryngol Otol** 1984 Jun;98(6):643–6
A calcified adenocarcinoma of the lung with very high CT numbers. Goldstein MS, et al. **Radiology** 1984 Mar; 150(3):785–6
Carcinoma of the small intestine and colon as a complication of Crohn disease: radiologic manifestations. Kerber GW, et al. **Radiology** 1984 Mar;150(3):639–45
Angio-computed tomography and dynamic computed tomography in staging of renal cell carcinoma. Lang EK. **Radiology** 1984 Apr;151(1):149–55
Adenocarcinoma of the esophagus: relationship to Barrett mucosa. Levine MS, et al. **Radiology** 1984 Feb;150(2):305–9
Cerebral neoplasms initially presenting with massive intracerebral hemorrhage. Bitoh S, et al. **Surg Neurol** 1984 Jul;22(1):57–62
Unusual radiologic features of metastatic prostatic carcinoma confirmed by immunohistochemical study. Huang TY, et al. **Urology** 1984 Feb;23(2):218–23
[The significance of computer tomography in the diagnosis of Grawitz's tumor of the kidney] Girl J. **Cesk Radiol** 1983 Aug;37(5):284–91 (Eng. Abstr.) **(Cze)**
[Diagnosis of a cyst wall hypernephroma] Witt H, et al. **Computertomographie** 1981 Jun;1(2):100–2 (Eng. Abstr.) **(Ger)**
[Synchronous and metachronous bilateral hypernephroid renal carcinomas] van den Berg FG, et al. **Radiologe** 1984 Jul;24(7):338–45 (Eng. Abstr.) **(Ger)**
[Primary duodenal carcinoma. Clinico-radiologic study] Steidle B, et al. **ROFO** 1984 Jun;140(6):699–703 (Eng. Abstr.) **(Ger)**
[Computed tomographic diagnosis of renal tumors without using contrast media] Zieger M, et al. **ROFO** 1984 Mar; 140(3):290–4 (Eng. Abstr.) **(Ger)**
[Staging of adenocarcinoma of the kidney—CT largely replaces catheter angiography] Stellamor K, et al. **Rontgenblatter** 1984 Apr;37(4):135–9 (Eng. Abstr.) **(Ger)**
[Cancer of the jejunum] Balogh I, et al. **Orv Hetil** 1983 Oct 23;124(43):2629–31 (Eng. Abstr.) **(Hun)**
[Caval neoplastic thrombosis in renal tumors: clinico-therapeutic considerations] Napolitano A, et al. **Ann Ital Chir** 1983;55(4):327–33 (Eng. Abstr.) **(Ita)**
[Carcinoma of the urachus: report of two cases] Utsunomiya M, et al. **Hinyokika Kiyo** 1983 Jan;29(1):59–66 (Eng. Abstr.) **(Jpn)**
[Angiographic evaluation of lymph node metastasis in gastric cancer] Nakayama T. **Nippon Geka Gakkai Zasshi** 1983 Jan;84(1):51–62 (Eng. Abstr.) **(Jpn)**
[Diagnosis of pancreatic carcinoma by high dose contrast enhancement CT] Kohno S, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1983 Aug 25; 43(8):1006–14 **(Jpn)**
[Case of multiple colonic polyps apparently developing into adenocarcinoma during a 12-year-observation] Kurihara Y, et al. **Rinsho Hoshasen** 1983 Oct;28(10):1109–12 (Eng. Abstr.) **(Jpn)**
[Determination of lung cancer stages by CT—evaluation of the mediastinal involvement and usefulness of bolus CT] Matsumoto M, et al. **Rinsho Hoshasen** 1983 Sep;28(9):951–9 (Eng. Abstr.) **(Jpn)**
[An interesting case of double cancer of the stomach and gallbladder] Tachikawa H, et al. **Rinsho Hoshasen** 1983 Dec;28(13):1591–4 (Eng. Abstr.) **(Jpn)**
[Clinico-radiological diagnosis of infiltrating cancer of the stomach] Portnoĭ LM, et al. **Khirurgiia (Mosk)** 1983 Sep; (9):54–7 (Eng. Abstr.) **(Rus)**
[Computer tomography in the diagnosis of peripheral cancer of the lung] Lepikhin NM, et al. **Klin Med (Mosk)** 1984 Apr;62(4):47–50 (Eng. Abstr.) **(Rus)**
[Indications for lymphography in uterine cancer] Tlepshukov GK, et al. **Med Radiol (Mosk)** 1984 Aug;29(8):28–31 (Eng. Abstr.) **(Rus)**
[X-ray-morphologic correlations in peripheral cancer of the lung] Romanychev IuA, et al. **Sov Med** 1984;(3):33–6 (Eng. Abstr.) **(Rus)**
[Retrovesical tumor as the presenting form of prostatic adenocarcinoma. Apropos of 2 cases] Aguiló F, et al. **Actas Urol Esp** 1983 May–Jun;7(3):229–32 (Eng. Abstr.) **(Spa)**

RADIONUCLIDE IMAGING

The flare phenomenon on radionuclide bone scan in metastatic prostate cancer. Pollen JJ, et al. **AJR** 1984 Apr; 142(4):773–6
Tumour visualisation using a radiolabelled monoclonal antibody. Zalcberg JR, et al. **Aust NZ J Med** 1983 Dec; 13(6):571–7
Stability of 111In-bleomycin in vivo—properties compared with 57Co-bleomycin. Hou DY, et al. **Eur J Nucl Med** 1983;8(12):535–40
The rational use of 201Tl scintigraphy in the evaluation of differentiated thyroid cancer. Němec J, et al. **Eur J Nucl Med** 1984;9(6):261–4
Tc-99m DMSA uptake by metastatic carcinoma of the prostate [letter] Lamki L, et al. **J Nucl Med** 1984 Jun; 25(6):733–4
Tc-99m MDP and Ga-67 citrate accumulation in cutaneous metastases from colon carcinoma [letter] Palestro CJ, et al. **J Nucl Med** 1983 Dec;24(12):1202–3
Bone scintigraphy in the initial staging of patients with renal-cell carcinoma: concise communication. Rosen PR, et al. **J Nucl Med** 1984 Mar;25(3):289–91

Portable gamma probe for radioimmune localization of experimental colon tumor xenografts. Aitken DR, et al. **J Surg Res** 1984 May;36(5):480–9

Tumour imaging using an improved method of DTPA-coupled monoclonal antibodies radiolabelled with metallic radionuclides [letter] Epenetos AA, et al. **Lancet** 1984 Jul 21;2(8395):169

'Hot spot' on gallium-67-citrate scan in renal cell carcinoma. Clinicopathologic and biochemical correlation. Kawamura J, et al. **Urology** 1984 Sep;24(3):250–4

[Hot pseudonodule disclosing a thyroid cancer in a child] Sablayrolles B, et al. **Arch Fr Pediatr** 1983 Oct;40(8):655–6 (Eng. Abstr.) **(Fre)**

[Radionuclide diagnosis and therapy of skeletal metastases of prostatic cancer] Schümichen C. **Radiologe** 1984 Jan; 24(1):13–8 (Eng. Abstr.) **(Ger)**

[Bone metastasis in gastric cancer—clinical evaluation of bone scintigrams] Seto M, et al. **Kaku Igaku** 1983 Jul; 20(6):795–801 (Eng. Abstr.) **(Jpn)**

[67Gallium scintigraphy of primary lung cancer] Fukurono K, et al. **Rinsho Hoshasen** 1980 Dec;25(13):1365–8 (Eng. Abstr.) **(Jpn)**

[Extraosseous accumulation of 99m-Tc-MDP—with special reference to intratumor accumulation] Yasuda E, et al. **Rinsho Hoshasen** 1983 Aug;28(8):851–7 (Eng. Abstr.) **(Jpn)**

[67Ga-citrate in the differential diagnosis of benign lesions and lung cancer] Zaltseva TI, et al. **Med Radiol (Mosk)** 1983 Oct;28(10):71–4 (Eng. Abstr.) **(Rus)**

RADIOTHERAPY

High dose rate afterloading treatment in carcinoma of the uterine cervix using an individual planning and reconstruction system. Himmelmann A, et al. **Acta Radiol [Oncol]** 1983;22(4):263–71

Cholangiocarcinoma. A place for brachytherapy. Prempree T, et al. **Acta Radiol [Oncol]** 1983;22(5):353–9 (15 ref.)

Carcinoma of the prostate limited to the pelvis. Treatment with curative radiation therapy. Sell A, et al. **Acta Radiol [Oncol]** 1984;23(2–3):205–8

Helium charged-particle radiotherapy of locally advanced carcinoma of the esophagus, stomach, and biliary tract. Castro JR, et al. **Am J Clin Oncol** 1983 Dec;6(6):629–37

Radical radiotherapy for carcinoma of the prostate: localized and extended field treatment. Nacey JN. **Aust NZ J Surg** 1983 Dec;53(6):561–5

The use of ketamine plus diazepam anaesthesia to increase the radiosensitivity of a C3H mouse mammary adenocarcinoma in hyperbaric oxygen. Tozer GM, et al. **Br J Radiol** 1984 Jan;57(673):75–80

Stage I, grade III adenocarcinoma of the endometrium treated with surgery and irradiation. Sites of failure and correlation of failure rate with irradiation technique. Bedwinek J, et al. **Cancer** 1984 Jul 1;54(1):40–7

Radiotherapy plus razoxane for advanced limited extent carcinoma of the lung. Corder MP, et al. **Cancer** 1984 May 1;53(9):1852–6

Radiosensitizing effect of medroxyprogesterone acetate on endometrial cancer cells in vitro. Huber H, et al. **Cancer** 1984 Sep 15;54(6):999–1001

External beam irradiation of prostate cancer. Experience in 163 patients. Kurup P, et al. **Cancer** 1984 Jan 1;53(1):37–43

Prognostic and treatment factors affecting pelvic control of Stage IB and IIA–B carcinoma of the intact uterine cervix treated with radiation therapy alone. Mendenhall WM, et al. **Cancer** 1984 Jun 15;53(12):2649–54

Low-dose preoperative radiation therapy for adenocarcinoma of the endometrium. A pilot study. Wang CC, et al. **Cancer** 1984 Sep 15;54(6):1002–6

Preoperative radiation therapy in Stage I endometrial adenocarcinoma. II. Final report of a clinical trial. Weigensberg IJ. **Cancer** 1984 Jan 15;53(2):242–7

Radiotherapeutic alternatives to standard management of adenocarcinoma of the endometrium. Andersen WA, et al. **Gynecol Oncol** 1983 Dec;16(3):383–92

Treatment of intraperitoneal metastatic adenocarcinoma of the endometrium by the whole-abdomen moving-strip technique and pelvic boost irradiation. Greer BE, et al. **Gynecol Oncol** 1983 Dec;16(3):365–73

The Syed-Neblett interstitial template in locally advanced gynecological malignancies. Ampuero F, et al. **Int J Radiat Oncol Biol Phys** 1983 Dec;9(12):1897–903

Effect of heat, radiation and pH on mouse mammary tumor cells. Gillette EL, et al. **Int J Radiat Oncol Biol Phys** 1983 Oct;9(10):1521–5

Intra-operative iodine-125 prostatic implant following bilateral pelvic lymphadenectomy. Kwong EW, et al. **Int J Radiat Oncol Biol Phys** 1984 May;10(5):665–70

Patterns of care outcome studies: results of the national practice in adenocarcinoma of the prostate. Leibel SA, et al. **Int J Radiat Oncol Biol Phys** 1984 Mar;10(3):401–9

Adjuvant radiation therapy for rectal cancer. Mohiuddin M, et al. **Int J Radiat Oncol Biol Phys** 1984 Jul;10(7):977–80

Radiation therapy of primary vaginal carcinoma. Nori D, et al. **Int J Radiat Oncol Biol Phys** 1983 Oct;9(10):1471–5

Radiotherapy versus surgery in the treatment of cervix stage Ib cancer. Volterrani F, et al. **Int J Radiat Oncol Biol Phys** 1983 Dec;9(12):1781–4

Problems of the indications of radiotherapy in renal tumours after radical nephrectomy. Fehér M, et al. **Int Urol Nephrol** 1984;16(1):29–32

The role of adjuvant radiation therapy in adenocarcinoma of the rectum and rectosigmoid. Mendenhall CM. **J Med Assoc Ga** 1984 May;73(5):325–8

Role of radiation therapy in the treatment of advanced vulvar carcinoma. Miyazawa K, et al. **J Reprod Med** 1983 Aug; 28(8):539–41

Impact of external irradiation on local symptoms and survival free of disease in patients with pelvic lymph node metastasis from adenocarcinoma of the prostate. Smith JA Jr, et al. **J Urol** 1984 Apr;131(4):705–7

X-ray responses of human colon tumor cells grown in artificial capillary culture. Nakazawa M, et al. **JNCI** 1984 Jun;72(6):1261–9

Relation between effective radiatio.. dose and outcome of radioiodine therapy for thyroid cancer. Maxon HR, et al. **N Engl J Med** 1983 Oct 20;309(16):937–41

Sensitivity of cell subpopulations obtained from a heterogeneous human colon adenocarcinoma to ultraviolet light [letter] Loeffler J, et al. **Radiat Res** 1983 Oct; 96(1):211–7

Management of prostate carcinoma. Combination of pelvic lymphadenectomy, temporary Ir-192 implantation, and external irradiation. Syed AM, et al. **Radiology** 1983 Dec; 149(3):829–33

Radiation treatment planning for the localized prostatic carcinoma: methods and rationale. Dewit L, et al. **Strahlentherapie** 1984 Aug;160(8):474–84

Computerized tomography in carcinoma of the prostate: treatment volume and morbidity in radiotherapy. Mak AC, et al. **Strahlentherapie** 1984 Apr;160(4):244–5

Combination perineal cryosurgery and external radiation therapy for adenocarcinoma of prostate. Mobley WC, et al. **Urology** 1984 Jul;24(1):11–4

[Radiation therapy of cervical adenocarcinoma—an analysis of 96 cases] Wu L. **Chung Hua Chung Liu Tsa Chih** 1983 Jul;5(4):290–2 (Eng. Abstr.) **(Chi)**

[Anatomo-pathological study of 40 cases of preoperatively irradiated rectal cancers] Bognel C, et al. **Bull Cancer (Paris)** 1984;71(2):149–52 **(Fre)**

[Long-term study of results of radiotherapy in 1480 cases of cancer of the cervix] Zhang L. **Acta Acad Med Wuhan** 1983;3(4):209–12 (Eng. Abstr.) **(Ger)**

[Radiotherapy of cervix cancer—treatment results and intestinal side effects] Grimm D, et al. **Radiobiol Radiother (Berl)** 1984;25(2):263–71 (Eng. Abstr.) **(Ger)**

[Radiation treatment of malignant kidney tumors] Strietzel M, et al. **Radiobiol Radiother (Berl)** 1984;25(3):383–92 (Eng. Abstr.) **(Ger)**

[Problems of cervical cancer and presentation of a new ring applicator for the afterloading technic with the selectron] Halama J, et al. **Strahlentherapie** 1984 Apr;160(4):207–19 (Eng. Abstr.) **(Ger)**

[Current state and possibilities of radiotherapy in the inter-disciplinary treatment of malignancies of the stomach, pancreas and biliary tract. II. Pancreatic cancer] Köster R, et al. **Strahlentherapie** 1984 May;160(5):271–82 (Eng. Abstr.) **(Ger)**

[Results of standardized postoperative radiotherapy in circumscribed breast cancer. A retrospective study of 432 patients] Sauerwein W, et al. **Strahlentherapie** 1984 Mar; 160(3):137–43 (Eng. Abstr.) **(Ger)**

[Effect of preoperative radiation on the success rate in the transplantation of human kidney cancer into thymus-aplastic nude mice] Schuchhardt C, et al. **Strahlentherapie** 1984 Mar;160(3):180–3 (Eng. Abstr.) **(Ger)**

[Curative radiotherapy in stage C prostatic carcinoma. Experiences with radiotherapy-endocrine treatment] Klosterhalfen H, et al. **Urologe [Ausg A]** 1983 Sep;22 Suppl:360–6 (Eng. Abstr.) **(Ger)**

[Intracavitary radiotherapy with Cf-252 for uterine cervical carcinomas] Fukuda K. **Gan No Rinsho** 1984 Feb; 30(2):145–51 (Eng. Abstr.) **(Jpn)**

[Interstitial irradiation of rectal carcinoma with rectal template] Ikeda H, et al. **Gan No Rinsho** 1984 Jun; 30(7):855–9 (Eng. Abstr.) **(Jpn)**

[A case of recurrent pancreatic carcinoma treated by low-dose rate telecobalt therapy] Yamada S, et al. **Gan No Rinsho** 1984 Jan;30(1):75–80 (Eng. Abstr.) **(Jpn)**

[Fast neutron therapy of prostatic cancer] Maruoka M, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Mar;74(3):409–17 (Eng. Abstr.) **(Jpn)**

[Role and effectiveness of radiotherapy in the treatment of salivary gland neoplasms] Maciejewski B, et al. **Nowotwory** 1983 Jul–Sep;33(3):233–9 (Eng. Abstr.) **(Pol)**

[Indications for and against the treatment of thyroid cancer with radioactive iodine] Więckowski B, et al. **Pol Tyg Lek** 1983 Apr 18;38(16):501–3 (Eng. Abstr.) **(Pol)**

[Treatment possibilities in uterine cancer recurrences and metastases to the vagina] Shpikalov VL. **Akush Ginekol (Mosk)** 1984 Apr;(4):52–4 (Eng. Abstr.) **(Rus)**

[Postoperative radiotherapy of endometrial cancer] Titova VA, et al. **Med Radiol (Mosk)** 1983 Dec;28(12):19–26 (Eng. Abstr.) **(Rus)**

[The results of combined radiotherapy of cancer of the corpus uteri] Tsybulina LI, et al. **Med Radiol (Mosk)** 1984 Jun; 29(6):29–32 (Eng. Abstr.) **(Rus)**

[A cytological method in the evaluation of the efficacy of radiotherapy of uterine cancer] Fel'dman SZ, et al. **Vopr Onkol** 1983;29(11):101–4 **(Rus)**

[Results of radiation treatment of cervical cancer patients using the AGAT-V apparatus] Stankevich AA, et al. **Vopr Onkol** 1984;30(7):97–101 (Eng. Abstr.) **(Rus)**

REHABILITATION

[Work capacity of patients after radical surgery of lung cancer] Andreeva LA, et al. **Grudn Khir** 1984 Jan–Feb; (1):54–7 (Eng. Abstr.) **(Rus)**

SECONDARY

Pseudocystic liver metastases in patients with carcinoid tumors: report of three cases. Dent GA, et al. **Am J Clin Pathol** 1984 Sep;82(3):275–9

Hypophyseal metastatic renal cell carcinoma and pituitary adenoma. Case report and review of the literature. James RL Jr, et al. **Am J Med** 1984 Feb;76(2):337–40

Cervical node metastasis of occult origin. Spiro RH, et al. **Am J Surg** 1983 Oct;146(4):441–6

Concomitant orbital and subcutaneous ovarian metastases. Ross MJ, et al. **Ann Ophthalmol** 1984 Jul;16(7):628–30

Malignant myositis ossificans: occult gastric carcinoma presenting as an acute rheumatic disorder. Rosenbaum LH, et al. **Ann Rheum Dis** 1984 Feb;43(1):95–7

The evaluation of heparin in control of metastasis of Nb rat androgen-insensitive prostate carcinoma. Drago JR, et al. **Anticancer Res** 1984 May–Jun;4(3):171–2

Incidence and distribution of intrathoracic metastases from renal cell carcinoma. Kutty K, et al. **Arch Intern Med** 1984 Feb;144(2):273–6

Levator-sparing oculomotor nerve palsy caused by a solitary midbrain metastasis. Keane JR, et al. **Arch Neurol** 1984 Feb;41(2):210–2

Complications of a total hip prosthesis revealing a renal cell carcinoma. Katzner M, et al. **Arch Orthop Trauma Surg** 1983;102(2):126–7

Metastatic colon adenocarcinoma of the middle ear. Merrick Y. **Arch Otorhinolaryngol** 1983;238(2):103–5

High-dose cytosine arabinoside (Ara-C) in colorectal cancer. Kanojia M, et al. **Br J Cancer** 1983 Dec;48(6):869–71

Carcinomatous meningitis associated with carcinoma of the ovary. Case report. Jackson P. **Br J Obstet Gynaecol** 1984 Aug;91(8):824–5

Hypernephroma presenting as a vaginal metastasis. Case report. O'Reilly AP, et al. **Br J Obstet Gynaecol** 1984 Aug; 91(8):812–5

Tamoxifen-induced regression of pulmonary metastases from renal cell carcinoma. Amin R. **Br J Radiol** 1983 Oct; 56(670):766–7

Subcutaneous seeding of pancreatic carcinoma along a transhepatic biliary catheter tract. Solin L, et al. **Br J Radiol** 1983 Nov;56(671):883–4

Development of tumor along the track of a peritoneovenous shunt [letter] Khoury GG, et al. **Br Med J [Clin Res]** 1984 Apr 21;288(6425):1237

Metastatic cancer to the larynx. Diagnosis and management. Abemayor E, et al. **Cancer** 1983 Nov 15;52(10):1944–8

Intracranial metastases due to prostatic carcinoma. Castaldo JE, et al. **Cancer** 1983 Nov 1;52(9):1739–47

Carcinoma of lung with a solitary cerebral metastasis. Surgical management and review of the literature. Deviri E, et al. **Cancer** 1983 Oct 15;52(8):1507–9 (27 ref.)

Skin metastases confined to a field of previous irradiation. Report of two cases and review of the literature. Diehl LF, et al. **Cancer** 1984 May 1;53(9):1864–8

Metastases to the female genital tract. Analysis of 325 cases. Mazur MT, et al. **Cancer** 1984 May 1;53(9):1978–84

Inhibition of liver metastases in murine colon adenocarcinoma by liposomes containing human C-reactive protein or crude lymphokine. Thombre PS, et al. **Cancer Immunol Immunother** 1984;16(3):145–50

Effect of antiplatelet antibody on the development of pulmonary metastases following injection of CT26 colon adenocarcinoma, Lewis lung carcinoma, and B16 amelanotic melanoma tumor cells into mice. Pearlstein E, et al. **Cancer Res** 1984 Sep;44(9):3884–7

Phase I evaluation of oral tegafur. Bedikian AY, et al. **Cancer Treat Rep** 1983 Jan;67(1):81–4

Management of patients with metastatic adenocarcinoma of unknown origin: a Southwest Oncology Group study. Shildt RA, et al. **Cancer Treat Rep** 1983 Jan;67(1):77–9

Vaginal metastasis from unsuspected renal cell carcinoma. Porena M, et al. **Clin Exp Obstet Gynecol** 1983; 10(2–3):135–9

Massive hemorrhagic necrosis of the spinal cord in metastatic cord compression. Pittaluga S, et al. **Clin Neuropathol** 1983; 2(3):114–7

Accumulation of a bone imaging agent in liver metastases from prostate carcinoma. Haseman MK. **Clin Nucl Med** 1983 Oct;8(10):488–9

The role of CT scan of the brain in the pre-operative work-up of solitary lung metastases associated with colorectal cancer. Milstein D, et al. **Clin Oncol** 1983 Sep; 9(3):213–6

Computed tomographic demonstration of colonic carcinoma metastatic to the spleen. Bisker J, et al. **Comput Radiol** 1983 May–Jun;7(3):193–4

Spontaneous regression of pulmonary metastases after nephrectomy for renal cell carcinoma. Nakano E, et al. **Eur Urol** 1984;10(3):212–3

Seeding of cholangiocarcinoma along T-tube tracts. Bloom

RA, et al. **Gastrointest Radiol** 1984;9(2):167–9
Adenocarcinoma metastatic to the uterine cervix. Korhonen M, et al. **Gynecol Obstet Invest** 1984;17(2):57–65
Meningeal carcinomatosis from an ovarian primary: a clinicopathologic study. Behnam K, et al. **Gynecol Oncol** 1984 Sep;19(1):104–9
Postmenopausal bleeding secondary to metastatic disease in the endocervix from carcinoma of the breast. Cohan L, et al. **Gynecol Oncol** 1984 Jan;17(1):133–6
Metastatic carcinoma of the hand. Martin KA, et al. **Hand** 1983 Oct;15(3):343–6
Alopecia totalis as a presentation of cutaneous metastasis (alopecia neoplastica). Martin J, et al. **Int J Dermatol** 1983 Oct;22(8):487–9
Metastases to the uterus from extrapelvic primary tumors. Kumar A, et al. **Int J Gynecol Pathol** 1983;2(2):134–40
Frequency of brain metastasis in adenocarcinoma and large cell carcinoma of the lung: correlation with survival. Komaki R, et al. **Int J Radiat Oncol Biol Phys** 1983 Oct; 9(10):1467–70
Sister Mary Joseph's nodule: a clinical and histologic study. Powell FC, et al. **J Am Acad Dermatol** 1984 Apr; 10(4):610–5
Responses of metastatic prostatic carcinoma to endocrine therapy: report of a case. Athens AT, et al. **J Am Osteopath Assoc** 1983 Dec;83(4):307–11
Metastatic renal cell carcinoma presenting as a tumor of the external auditory canal. Zirul ED, et al. **J Am Osteopath Assoc** 1983 Nov;83(3):255–7
Adrenal insufficiency secondary to metastatic lung carcinoma: CT aided diagnosis. Meyer JE, et al. **J Comput Assist Tomogr** 1983 Dec;7(6):1107–8
Metastatic renal–cell carcinoma presenting as a cutaneous horn. Peterson JL, et al. **J Dermatol Surg Oncol** 1983 Oct; 9(10):815–8
Thyroid metastasis of renal cell adenocarcinoma. Mukhopadhyay M, et al. **J Indian Med Assoc** 1983 May; 80(9–10):145–6, 151
Carcinomatous meningitis. Smith RS, et al. **J Kans Med Soc** 1984 Jan;85(1):9–10
Metastasis to the larynx from a prostatic carcinoma. A case report. Coakley JF, et al. **J Laryngol Otol** 1984 Aug; 98(8):839–42
Secondary malignant tumour of the temporal bone presenting as jaw joint dysfunction. Worthington P. **J Laryngol Otol** 1983 Dec;97(12):1157–61
Brain metastases from colon cancer. Cascino TL, et al. **J Neurooncol** 1983;1(3):203–9
Brain metastasis localized to an area of infarction. Nielsen SL, et al. **J Neurooncol** 1983;1(3):191–5
Metastatic prostatic pulmonary nodules with normal bone image. Petras AF, et al. **J Nucl Med** 1983 Nov; 24(11):1026–7
Renal cell carcinoma metastasis to the hard palate. Lutcavage GJ, et al. **J Oral Maxillofac Surg** 1984 Jul;42(7):469–74
Sudden deafness and vertigo due to inner ear hemorrhage—a temporal bone case report. Johnson A, et al. **J Otolaryngol** 1984 Aug;13(4):201–7
Unusual metastasis of carcinoma of the prostate (a case report). Kant K, et al. **J Postgrad Med** 1983 Jul;29(3):186–7
Metastatic carcinoma in inguinal hernia sac. Chen KT. **J Surg Oncol** 1984 Apr;25(4):248–9
Epididymal metastasis from prostatic cancer. Sarma DP, et al. **J Surg Oncol** 1983 Dec;24(4):322–4 (9 ref.)
Calcification of humeral metastasis of renal adenocarcinoma 8 months after medroxyprogesterone acetate therapy [letter] Scanni A, et al. **J Urol** 1984 May;131(5):984
Therapeutic embolization of pelvic metastases of renal cell carcinoma. Varma J, et al. **J Urol** 1984 Apr;131(4):647–9
Unusual metastatic patterns of prostate adenocarcinoma. Venable DD, et al. **J Urol** 1983 Nov;130(5):980–5
Skeletal muscle metastasis from prostatic carcinoma. Ward AJ, et al. **J Urol** 1984 Apr;131(4):769
Bone metastasis of gastric cancer. Yoshikawa K, et al. **Jpn J Surg** 1983 May;13(3):173–6
Metastatic carcinoma with an unknown primary. Gilman A, et al. **Med Pediatr Oncol** 1984;12(1):59–63
Metastatic adenocarcinoma in axillary lymph node with occult primary. Austin RM. **Milit Med** 1984 Mar; 149(3):163, 165–6
Metastatic neoplasm presenting as primary cancer of the breast: case reports. Dardick L, et al. **Milit Med** 1984 Jul; 149(7):411–4
Hemiballism secondary to a metastatic neoplasm of the subthalamic nucleus as demonstrated by CT scan. Bronster DJ, et al. **Mt Sinai J Med (NY)** 1983 Jul–Aug;50(4):351–5
Metastatic carcinoma involving Paget disease of the bone: an unusual association. Hermann G, et al. **Mt Sinai J Med (NY)** 1983 Nov–Dec;50(6):537–9
Hemiballism and metastatic brain tumor. Glass JP, et al. **Neurology (NY)** 1984 Feb;34(2):204–7
Blood–fluid levels in multiloculated cystic brain metastasis of a hypernephroma. A case report. Kaiser MC, et al. **Neuroradiology** 1983;25(5):339–41
Metastatic renal cell carcinoma mimicking a meningioma. Killebrew K, et al. **Neurosurgery** 1983 Oct;13(4):430–4
Triple fossa metastasis of prostate cancer. Kwee IL, et al. **Neurosurgery** 1983 Nov;13(5):584–6
Lung carcinoma presenting as a breast tumor. Palgon NM, et al. **NY State J Med** 1983 Oct–Nov;83(11–12):1188–9
Adenocarcinoma in an isolated sigmoid urinary conduit. Marchetti DL, et al. **Obstet Gynecol** 1984 Mar;63(3 Suppl):54S–56S
Results of synchronous surgical removal of primary colorectal adenocarcinoma and ovarian metastases. Herrera–Ornelas L, et al. **Oncology** 1984;41(2):96–100
Metastatic carcinoma to the iris. Diagnosis by aqueous paracentesis and response to irradiation and chemotherapy. Scholz R, et al. **Ophthalmology** 1983 Dec;90(12):1524–7
Metastasis of thyroid carcinoma to the paranasal sinuses. Renner GJ, et al. **Otolaryngol Head Neck Surg** 1984 Apr; 92(2):233–7
Prolonged and continuous percutaneous intra–arterial hepatic infusion chemotherapy in advanced metastatic liver adenocarcinoma from colorectal primary. Oberfield RA. **Recent Results Cancer Res** 1983;86:49–62
First histologic findings in metastases of colorectal carcinoma following isolated liver perfusion with cytostatics. Schulz A, et al. **Recent Results Cancer Res** 1983;86:283–8
Super bone scan. Manier SM, et al. **Semin Nucl Med** 1984 Jan;14(1):46–7
Meningeal carcinomatosis from adenocarcinoma of the lung. A case report. Narendran K. **Singapore Med J** 1983 Jun; 24(3):166–7
Solitary metastasis to the medulla oblongata. Delaney P, et al. **South Med J** 1983 Oct;76(10):1324–5
Jugular foramen syndrome as a complication of metastatic cancer of the prostate. Wilson H, et al. **South Med J** 1984 Jan;77(1):92–3
Intrasellar metastasis mimicking a pituitary adenoma. Buonaguidi R, et al. **Surg Neurol** 1983 Nov;20(5):373–8
Prevention of rat colon cancer metastases by perioperative immunostimulation. Weese JL, et al. **Surgery** 1984 Aug; 96(2):420–6
Metastatic disease in the pituitary: clinical features. Duvall J, et al. **Trans Ophthalmol Soc UK** 1982;102 (Pt 4):481–6
Biological appraisal of liver status in adenocarcinomas. Canal P, et al. **Tumori** 1983 Dec 31;69(6):509–14
Metastatic renal cell carcinoma: unusual cause of Addison disease. Goldenberg SL, et al. **Urology** 1983 Oct; 22(4):408–9
Distant spreading of renal cell carcinoma: recurrence or metastasis? [letter] Piscioli F, et al. **Urology** 1984 May; 23(5):529–30
Primary carcinoma of sigmoid colon metastasizing to epididymis. Smallman LA, et al. **Urology** 1984 Jun; 23(6):598–9
Remote recurrence of renal cell carcinoma. Strum WB. **Urology** 1984 Jan;23(1):68–70
[Tietze's syndrome as a manifestation of the metastasis of Grawitz's adenocarcinoma] Valešová M, et al. **Fysiatr Reumatol Vestn** 1984 Apr;62(2):88–90 (Eng. Abstr.) **(Cze)**
[Intrathyroid metastasis. Anatomo–clinical problem] Couvreur Y, et al. **Acta Chir Belg** 1983 Sep–Oct;83(5):332–6 (Eng. Abstr.) **(Fre)**
[Pancreatic metastases of nephro–epitheliomas. Apropos of 2 cases] Py JM, et al. **Acta Chir Belg** 1984 May–Jun; 84(3):117–21 (Eng. Abstr.) **(Fre)**
[Digestive tract metastases of breast cancers] Hoff J, et al. **Ann Chir** 1983 May;37(4):281–4 (Eng. Abstr.) **(Fre)**
[Intestinal metastasis of nephroepithelioma] Py JM, et al. **Ann Chir** 1984 May;38(4):300–4 (Eng. Abstr.) **(Fre)**
[Thyroid and duodenal metastases of a renal cancer] Goëau–Brissonnière O, et al. **Chirurgie** 1983;109(5):415–8 (Eng. Abstr.) **(Fre)**
[Clear cell adenocarcinoma of the left kidney. Successive thyroid, duodenopancreatic and cervical lymph node metastases (letter)] Denamur E, et al. **Presse Med** 1983 Dec 24;12(47):3003 **(Fre)**
[Pituitary metastasis of a digestive tract cancer] Rateau J, et al. **Rev Otoneuroophtalmol** 1983 Oct–Dec;55(5):419–22 (Eng. Abstr.) **(Fre)**
[Metastasizing adenocarcinoma from an unknown primary tumor] von Heyden HW, et al. **Dtsch Med Wochenschr** 1984 Jan 6;109(1):15–9 (Eng. Abstr.) **(Ger)**
[Clinovir treatment of adenocarcinoma of the uterus with lung metastases] Stertmann WA, et al. **MMW** 1983 Jul 22; 125(29–30):685–6 **(Ger)**
[Therapy of metastasizing kidney cancer with hormones (androgens). A retrospective study] Flamm J. **Z Urol Nephrol** 1983 Jun;76(6):407–11 (Eng. Abstr.) **(Ger)**
[Leptomeningeal carcinomatous metastases] Mauro A. **Minerva Med** 1984 May 31;75(22–23):1395–9 (Eng. Abstr.) **(Ita)**
[Metastases of intestinal carcinoma simulating a meningioma of the olfactory perforation] Maiuri F. **Riv Neurol** 1983 May–Jun;53(3):178–85 (Eng. Abstr.) **(Ita)**
[Heterotopic ossification in the skeletal muscle metastases of advanced stomach cancer] Fujiwara R, et al. **Gan No Rinsho** 1983 Oct;29(12):1471–5 (Eng. Abstr.) **(Jpn)**
[Solitary bone metastasis 24 years after removal of renal cell carcinoma] Matsumoto S, et al. **Gan No Rinsho** 1984 Jul; 30(8):965–7 (Eng. Abstr.) **(Jpn)**
[Carcinoma of the colon associated with diffuse metastatic leptomeningeal carcinomatosis (DMLC) presenting as disturbance of consciousness—a case report] Ohkawa H, et al. **Gan No Rinsho** 1984 Apr;30(4):409–12 (Eng. Abstr.) **(Jpn)**
[Metastasis of gastric cancer to the spleen—a case report] Takebayashi M, et al. **Gan No Rinsho** 1983 Nov; 29(14):1703–5 (Eng. Abstr.) **(Jpn)**
[Clinical trials of plasma exchange therapy in patients with recurrent colon cancer] Azuma N, et al. **Gan To Kagaku Ryoho** 1984 Sep;11(9):1801–8 (Eng. Abstr.) **(Jpn)**
[Metastatic penile tumors: report of three cases] Kakehi Y, et al. **Hinyokika Kiyo** 1984 Mar;30(3):363–9 (Eng. Abstr.) **(Jpn)**
[A case of a tumor of the spermatic cord metastatic from cecal cancer] Nishimura K, et al. **Hinyokika Kiyo** 1983 Aug;29(8):907–10 (Eng. Abstr.) **(Jpn)**
[A clinical case of secondary tumor of the penis from the rectum, with malignant priapism] Okumura S, et al. **Hinyokika Kiyo** 1984 Feb;30(2):205–15 (Eng. Abstr.) **(Jpn)**
[Effect of calcitonin on body pains caused by bone metastases of urogenital cancer] Sugiyama T, et al. **Hinyokika Kiyo** 1983 Aug;29(8):953–8 (Eng. Abstr.) **(Jpn)**
[A case study with bladder metastasis of renal cell carcinoma and stomach cancer] Tashiro K, et al. **Hinyokika Kiyo** 1984 Feb;30(2):249–52 (Eng. Abstr.) **(Jpn)**
[Metastatic ureteral tumor from the digestive organ: a case report] Yui Y, et al. **Hinyokika Kiyo** 1984 May;30(5):691–4 (Eng. Abstr.) **(Jpn)**
[Renal cell carcinoma with contralateral adrenal metastasis] Masuda F, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Dec;74(12):2138–41 (Eng. Abstr.) **(Jpn)**
[Brain metastasis from renal cell carcinoma] Masuda F, et al. **Nippon Hinyokika Gakkai Zasshi** 1984 Feb;75(2):278–82 (Eng. Abstr.) **(Jpn)**
[Metastatic tumors to the head and neck region—6 cases and review of literature] Miyahara H, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1983 Sep;86(9):951–7 (Eng. Abstr.) **(Jpn)**
[Gastric cancer with hepatic metastasis showing immunofluorescent localization of tumor markers] Noguchi T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Aug; 80(8):1641–5 **(Jpn)**
[Subdural hematoma due to metastatic dural carcinomatosis associated with DIC—a case report] Hirashima Y, et al. **No Shinkei Geka** 1983 Jun;11(6):651–6 (Eng. Abstr.) **(Jpn)**
[A case of spinal extradural metastasis presenting diverse intramedullary spinal cord lesions. Consideration on their pathogenesis] Yoshinaga T, et al. **Rinsho Shinkeigaku** 1984 Mar;24(3):300–6 (Eng. Abstr.) **(Jpn)**
[Microangiopathic hemolytic anemia in metastasized adenocarcinoma of the cardia] Brinch L, et al. **Tidsskr Nor Laegeforen** 1984 Apr 10;104(10–11):739–41 (Eng. Abstr.) **(Nor)**
[A case of metastasis of prostatic cancer to the orbit shown on the computerized tomography image] Ziemiański A, et al. **Klin Oczna** 1983 Jul;85(7):287–9 (Eng. Abstr.) **(Pol)**
[Thyroid cancer metastasis to a clear–cell cancer of the kidney] Zagrebin VM. **Arkh Patol** 1984;46(4):76–8 (Eng. Abstr.) **(Rus)**
[Abdominal angiography in organic metastases of kidney cancer] Kuchinskiĭ GA, et al. **Urol Nefrol (Mosk)** 1984 Jul–Aug;(4):21–4 (Eng. Abstr.) **(Rus)**
[Metastasis in the spermatic cord as the first sign of a malignant kidney tumor] Marković B, et al. **Srp Arh Celok Lek** 1983 Jan;111(1):87–91 **(Scc)**
[Use of urinary hydroxyproline elimination in the detection of bone metastases secondary to prostatic carcinoma] de la Peña J, et al. **Actas Urol Esp** 1983 May–Jun;7(3):199–204 (Eng. Abstr.) **(Spa)**
[Metastasis of renal adenocarcinoma in the ureteral stump] Ojea A, et al. **Arch Esp Urol** 1984 May–Jun;37(3):251–3 (Eng. Abstr.) **(Spa)**
[Diabetes insipidus as an initial manifestation of adenocarcinoma of the colon (letter)] Pujadas R, et al. **Med Clin (Barc)** 1984 Jan 28;82(3):135 **(Spa)**
[A case of secondary esophageal tumor] Cubells Parrilla ML, et al. **Rev Clin Esp** 1984 Feb 15;172(3):171–2 **(Spa)**

SECRETION

Evidence for TSH autoregulation of thyroid carcinoma. Gwinup G, et al. **Am J Med Sci** 1984 Mar–Apr;287(2):42–3
Human neurophysins in carcinoma of the lung: relation to histology, disease stage, response rate, survival, and syndrome of inappropriate antidiuretic hormone secretion. Maurer LH, et al. **Cancer Treat Rep** 1983 Nov;67(11):971–6
Establishment of an alpha–fetoprotein–producing human gastric carcinoma in nude mice. Ezaki T, et al. **Gann** 1983 Dec;74(6):870–7
Hormone–producing capabilities of renal cell carcinomas. Correlation with ultrastructural findings. Herrera GA, et al. **Urology** 1983 Oct;22(4):421–8
[CSF–producing gall bladder neoplasm. Presentation of a case and characteristics of CSF produced by tumor cells] Takahashi M, et al. **Nippon Ketsueki Gakkai Zasshi** 1983 Sep;46(5):1037–44 (Eng. Abstr.) **(Jpn)**
[Steroid carcinoma of the adrenal glands] Lebedev VV, et al. **Ter Arkh** 1983;55(12):91–3 **(Rus)**
[Hypercalcemia in renal tumors producing PTH] Díaz González R, et al. **Actas Urol Esp** 1983 May–Jun;7(3):215–8 (Eng. Abstr.) **(Spa)**

SURGERY

Primary pelviperineal closure without drainage, after abdomino–perineal resection of the rectum—a comparative

study. De Almeida AM, et al. **Acta Med Port** 1984 Feb; 5(2):49–53
Biliary carcinoma. A review of 109 cases. Alexander F, et al. **Am J Surg** 1984 Apr;147(4):503–9
Surgical therapy of advanced esophageal cancer. A critical appraisal. Caracci B, et al. **Am J Surg** 1983 Dec; 146(6):704–7
Covering stoma for elective anterior resection of the rectum: an outmoded operation? Fielding LP, et al. **Am J Surg** 1984 Apr;147(4):524–30
Adenocarcinoma of the small intestine. Ouriel K, et al. **Am J Surg** 1984 Jan;147(1):66–71
Gastric transposition in head and neck surgery. Indications, complications, and expectations. Spiro RH, et al. **Am J Surg** 1983 Oct;146(4):483–7
Fifteen years surgical experience with carcinoma of the lung. Stevenson DR, et al. **Am J Surg** 1983 Dec;146(6):708–11
Management of high bile duct carcinoma. Beals SP, et al. **Am Surg** 1984 Jun;50(6):305–11
Survival after extended resection for locally advanced carcinomas of the colon and rectum. Pittam MR, et al. **Ann R Coll Surg Engl** 1984 Mar;66(2):81–4
Factors influencing survival after total pancreatectomy in patients with pancreatic cancer. Andrén-Sandberg A, et al. **Ann Surg** 1983 Nov;198(5):605–10
Lung cancer in young patients. McKneally MF. **Ann Thorac Surg** 1983 Nov;36(5):505–7
Renal cell carcinoma [letter] Platt MR. **Ann Thorac Surg** 1984 Jan;37(1):98
The treatment of differentiated carcinoma of the thyroid gland. Selective management? Guillamondegui OM, et al. **Arch Otolaryngol** 1983 Nov;109(11):743–5
Radical operation for thyroid carcinoma invading the trachea. Nakao K, et al. **Arch Surg** 1984 Sep;119(9):1046–9
Follicular carcinoma of the thyroid appearing as an intraluminal superior vena cava tumor. Perez D, et al. **Arch Surg** 1984 Mar;119(3):323–6
Influence of tumour differentiation on survival after resection for rectal cancer in a series of 1296 patients. McDermott FT, et al. **Aust NZ J Surg** 1984 Feb;54(1):53–8
Surgical management of adenocarcinoma of the appendix. Lane IF, et al. **Br J Clin Pract** 1984 Jun;38(6):233–5
Renal cell carcinoma and phaeochromocytoma [letter] Chabloz R, et al. **Br J Surg** 1984 Mar;71(3):246
Primary adenocarcinoma of the vermiform appendix: report of a series of ten cases, and review of the literature. Gilhome RW, et al. **Br J Surg** 1984 Jul;71(7):553–5
Local recurrence following 'curative' surgery for large bowel cancer: I. The overall picture. Phillips RK, et al. **Br J Surg** 1984 Jan;71(1):12–6
Local recurrence following 'curative' surgery for large bowel cancer: II. The rectum and rectosigmoid. Phillips RK, et al. **Br J Surg** 1984 Jan;71(1):17–20
Resection line disease in stomach cancer. British Stomach Cancer Group. **Br Med J [Clin Res]** 1984 Sep 8; 289(6445):601–3
Relationship of pretreatment transurethral resection of the prostate to survival without distant metastases in patients treated with 125I-implantation for localized prostatic cancer. Fowler JE Jr, et al. **Cancer** 1984 May 1; 53(9):1857–63
Hepatic artery ligation for liver metastasis in colorectal carcinoma. Petrelli NJ, et al. **Cancer** 1984 Mar 15; 53(6):1347–53
Lymphadenectomy and renal cell carcinoma: why is there so much controversy? [letter] Giuliani L. **Eur Urol** 1983; 9(6):374
Endoscopic Nd:YAG laser therapy as palliative treatment for advanced adenocarcinoma of the gastric cardia. Fleischer D, et al. **Gastroenterology** 1984 Oct;87(4):815–20
Postoperative sigmoid colonic strictures—a new guided dilation technique. Dooley MC, et al. **Gastrointest Endosc** 1983 Aug;29(3):229–30
Residual carcinoma in the surgical specimen of patients with endometrial adenocarcinoma undergoing preoperative radiation therapy. A study of 80 patients and a literature review. Nahhas WA, et al. **Gynecol Oncol** 1984 Jun; 18(2):165–76
Stage II cancer of the endometrium: a pathologic and clinical study. Wallin TE, et al. **Gynecol Oncol** 1984 May;18(1):1–17
Local failure following curative resection of colonic adenocarcinoma. Willett C, et al. **Int J Radiat Oncol Biol Phys** 1984 May;10(5):645–51
The role and value of surgery in metastatic renal adenocarcinoma: a retrospective clinical study of 106 nephrectomized cases. Appelqvist P. **J Surg Oncol** 1984 Jun;26(2):138–45
Bronchobiliary fistula after hepatic resection for metastatic colon cancer. George TK, et al. **J Surg Oncol** 1984 Mar; 25(3):198–200
Bile duct tumours: prolonged survival by radiological management of T-tubes. Gordon RL, et al. **J Surg Oncol** 1984 Mar;25(3):214–7
Reconstruction of the inferior vena cava with a polytetrafluoroethylene tube graft after resection for hypernephroma of the right kidney. Katz NM, et al. **J Thorac Cardiovasc Surg** 1984 May;87(5):791–7
Bilateral pelvic lymphadenectomy and radical retropubic prostatectomy for adenocarcinoma confined to the prostate. Benson RC Jr, et al. **J Urol** 1984 Jun;131(6):1103–6
Total prostatectomy for localized prostatic cancer. Gibbons RP, et al. **J Urol** 1984 Jan;131(1):73–6
The role of preoperative embolization in renal cell carcinoma. Kaisary AV, et al. **J Urol** 1984 Apr;131(4):641–6
Extracorporeal circulation for renal cell carcinoma with supradiaphragmatic vena caval thrombi. Klein FA, et al. **J Urol** 1984 May;131(5):880–3
Removal of renal cell carcinoma extending into the right atrium using cardiopulmonary bypass, profound hypothermia and circulatory arrest. Krane RJ, et al. **J Urol** 1984 May;131(5):945–7
In situ management of renal tumors: renal cell carcinoma and transitional cell carcinoma. Marshall FF, et al. **J Urol** 1984 Jun;131(6):1045–9
A new technique for management of renal cell carcinoma involving the right atrium: hypothermia and cardiac arrest. Marshall FF, et al. **J Urol** 1984 Jan;131(1):103–7
Radical prostatectomy in the presence of pelvic lipomatosis. Parfitt HE Jr. **J Urol** 1984 Mar;131(3):504–6
Laser in the treatment of localized prostatic carcinoma. Sander S, et al. **J Urol** 1984 Aug;132(2):280–1
Preservation of distal splenorenal shunt in a patient requiring left nephrectomy. Shoffner J, et al. **J Urol** 1984 Jul; 132(1):101–3
Bilateral renal cell carcinoma and renal cell carcinoma in the solitary kidney. Smith RB, et al. **J Urol** 1984 Sep; 132(3):450–4
Long-term results following partial nephrectomy for localized renal adenocarcinoma. Topley M, et al. **J Urol** 1984 Jun;131(6):1050–2
Photodynamic effects of exposure to hematoporphyrin derivatives and dye-laser radiation on human gastric adenocarcinoma cells. Tatsuta M, et al. **JNCI** 1984 Jul; 73(1):59–67
Partial nephrectomy for adenocarcinoma in paediatric age group. Hasan N. **JPMA** 1984 Feb;34(2):39–41
Renal cell carcinoma in a solitary kidney treated by partial nephrectomy—case report and review of Japanese literature. Iizumi T, et al. **Jpn J Clin Oncol** 1983 Dec; 13(4):727–31
Clinicopathologic studies of gastric cancer with metastasis to the liver—based on the cases detected at initial surgery. Yoshikawa K, et al. **Jpn J Clin Oncol** 1984 Mar;14(1):81–6
Renal adenocarcinoma: results of radical nephrectomy in 81 patients. Willis RJ, et al. **Milit Med** 1984 May;149(5):251–3
Sebaceous adenocarcinoma of the eyelid. Epstein GA, et al. **Ophthalmic Surg** 1983 Nov;14(11):935–40
Entropion following the Cutler-Beard procedure. Carroll RP. **Ophthalmology (Rochester)** 1983 Sep;90(9):1052–5
The impact of lymphnode metastases in renal adenocarcinoma: prognostic impact and effect of lymphadenectomy. deVere White R. **Prog Clin Biol Res** 1984;153:437–9
Role of surgery. Wright NL. **Recent Results Cancer Res** 1984; 92:89–98 (18 ref.)
Abdominoperineal resection of the rectum for carcinoma at Groote Schuur Hospital, Cape Town, 1971–1982. Elliot MS, et al. **S Afr Med J** 1984 Mar 17;65(11):411–3
Surgical therapy of renal adenocarcinoma. Gonick P. **Semin Oncol** 1983 Dec;10(4):413–6
Therapeutic measures applied for the curative and palliative control of colorectal carcinoma. Bland KI, et al. **Surg Annu** 1983;15:123–61 (147 ref.)
Combined reconstruction of the rectum and vagina following irradiation and surgical treatment for clear cell carcinoma. Bricker EM, et al. **Surg Gynecol Obstet** 1984 Aug; 159(2):166–70
Pancreatoduodenectomy for resectable malignant periampullary tumors. Kellum JM, et al. **Surg Gynecol Obstet** 1983 Oct;157(4):362–6
Effects of surgical treatment and adjuvant chemotherapy studied by the depth of penetration in gastric cancer patients undergoing curative gastrectomy. Yasuna O, et al. **Surgery** 1984 Jan;95(1):78–84
Bilateral renal adenocarcinoma. de Voogt HJ. **Urol Int** 1983; 38(6):378–81
Renal carcinoma with solitary distant metastasis. Hubmer G, et al. **Urol Int** 1984;39(1):46–8
Stage D1 adenocarcinoma of prostate. Donohue RE, et al. **Urology** 1984 Feb;23(2):118–21
Primary carcinoma of male urethra. Hopkins SC, et al. **Urology** 1984 Feb;23(2):128–33
Observations on surgical management of carcinoma of prostate with limited nodal metastases. Zincke H, et al. **Urology** 1984 Aug;24(2):137–45
Nd-YAG laser in lung cancer. Gelb AF, et al. **West J Med** 1984 Mar;140(3):393–7
[Exclusion of the exocrine pancreas during pancreaticoduodenal resection for cancer of the pancreas] Chervenkov P. **Khirurgiia (Sofiia)** 1984;37(2):107–12 (Eng. Abstr.) **(Bul)**
[Preoperative evaluation of operability and resectability in patients with cancer of the stomach] Ivanov S, et al. **Khirurgiia (Sofiia)** 1984;37(1):71–3 (Eng. Abstr.) **(Bul)**
[Late results of surgical treatment of cancer of the thyroid gland in children and adolescents] Simeonov L, et al. **Khirurgiia (Sofiia)** 1984;37(1):32–6 (Eng. Abstr.) **(Bul)**
[Treatment of resectable cancer of the stomach] Gerard A, et al. **Acta Chir Belg** 1984 Mar-Apr;84(2):76–8 (Eng. Abstr.) **(Fre)**
[Importance of the Limberg triple flap in the surgical treatment of cancer of the breast in the male] Michel P, et al. **Acta Chir Belg** 1984 May-Jun;84(3):138–43 (Eng. Abstr.) **(Fre)**
[Development of iatrogenic ureteral stenosis following colon surgery] Mendes-Leal A, et al. **Acta Urol Belg** 1983; 51(3):270–5 (Eng. Abstr.) **(Fre)**
[Importance of using hematoporphyrine derivate in the destruction of adenocarcinomas with Nd Yag or argon lasers] Le Bodic MF, et al. **Ann Pathol** 1984 Jan-Mar; 4(1):37–42 (Eng. Abstr.) **(Fre)**
[Is cancer of the gallbladder curable?] Isman H, et al. **Chirurgie** 1984;110(2):127–32 (Eng. Abstr.) **(Fre)**
[Results of the surgical treatment of pancreatic cancer. Study of a series of 96 surgically treated patients] Moreaux J, et al. **Gastroenterol Clin Biol** 1984 Jan;8(1):11–6 (Eng. Abstr.) **(Fre)**
[Palliative treatment of cancers of the esophagus and cardia with YAG neodymium laser. (Preliminary noncontrolled trial)] Naveau S, et al. **Gastroenterol Clin Biol** 1984 Jun-Jul; 8(6–7):545–50 (Eng. Abstr.) **(Fre)**
[Regional pancreatectomy in the treatment of pancreatic adenocarcinoma. Apropos of 41 cases] Solassol C, et al. **Gastroenterol Clin Biol** 1984 Jan;8(1):17–21 (Eng. Abstr.) **(Fre)**
[Value of surgery in metastatic cancer of the kidney] Gilloz A, et al. **J Urol (Paris)** 1983;89(7):501–5 (Eng. Abstr.) **(Fre)**
[Surgically-treated small size non-small cell bronchopulmonary cancers without adenopathies (T1NO). 5-year survival and site of recurrences] Marin I, et al. **Presse Med** 1984 Jan 28;13(3):137–9 (Eng. Abstr.) **(Fre)**
[Small rectal cancers, treatment and late results] Knoch HG. **Arch Geschwulstforsch** 1983;53(5):479–84 (Eng. Abstr.) **(Ger)**
[Technic and transdiaphragmatic stapled anastomosis following resection of the distal esophagus in cancer of the cardia] Ulrich B, et al. **Chirurg** 1984 Apr;55(4):291–3 **(Ger)**
[Radical nature and life expectancy in the surgical treatment of esophageal and cardial carcinoma] Kunath U, et al. **Dtsch Med Wochenschr** 1984 Mar 23;109(12):450–3 (Eng. Abstr.) **(Ger)**
[Carcinoma of the colon. Results of surgical therapy] Schweiger M, et al. **Fortschr Med** 1984 Mar 22; 102(11):298–300 (Eng. Abstr.) **(Ger)**
[Excision of rectal tumors: transsphincteric approach] Tondelli P, et al. **Helv Chir Acta** 1984 Jan;50(5):629–33 (Eng. Abstr.) **(Ger)**
[Prognosis of follicular thyroid cancer in the Tyrolean endemic goiter area] Ladurner D, et al. **Langenbecks Arch Chir** 1983;360(4):267–77 (Eng. Abstr.) **(Ger)**
[Long-term results following resection and esophageal reconstruction in esophageal cancer] Pralat U, et al. **Langenbecks Arch Chir** 1983;360(4):251–65 (Eng. Abstr.) **(Ger)**
[Primary appendiceal cancer] Steinau G, et al. **Med Welt** 1983 Oct 7;34(40):1119–20 **(Ger)**
[Surgical therapy of metastasizing kidney cancer. A retrospective study] Flamm J. **Wien Med Wochenschr** 1984 Apr 15;134(7):147–51 (Eng. Abstr.) **(Ger)**
[An operated case of bilateral kidney tumor] Balogh F, et al. **Z Urol Nephrol** 1983 Oct;76(10):665–9 (Eng. Abstr.) **(Ger)**
[Metastatic infiltration of the hepatic pedicle in patients gastrectomized for cancer. Surgical indications and long-term results] Violi V, et al. **Ann Ital Chir** 1983; 55(1):23–30 (Eng. Abstr.) **(Ita)**
[Cancer of the head of the pancreas. Evaluation of the long-term survival of 85 cases. Radical intervention versus bypass] Arcuri V, et al. **Minerva Chir** 1984 Apr 15; 39(7):447–52 (Eng. Abstr.) **(Ita)**
[Long-term results of 115 anterior resections for cancer of the sigmoid and rectum] Prandini N, et al. **Minerva Chir** 1984 Feb 28;39(4):243–50 (Eng. Abstr.) **(Ita)**
[Right upper tracheal sleeve lobectomy for cancer of the lung. Reconstruction of the tracheal bifurcation after right upper lobectomy extending to the main bronchus and trachea] Sartori F, et al. **Minerva Chir** 1984 Feb 28; 39(4):209–12 (Eng. Abstr.) **(Ita)**
[Adenocarcinoma of the urachus. Report of a case and review of literature] Marcorelli E, et al. **Minerva Urol** 1983 Jul-Sep;35(3):217–20 (31 ref.) (Eng. Abstr.) **(Ita)**
[A gastric cancer patient who underwent curative resection by angiotension-induced hypertension cancer chemotherapy] Hakuta Y, et al. **Gan No Rinsho** 1984 Jan; 30(1):66–9 (Eng. Abstr.) **(Jpn)**
[Surgical case of simultaneous triple cancers of the esophagus, stomach and colon] Hanawa K, et al. **Gan No Rinsho** 1983 Aug;29(9):1001–6 (Eng. Abstr.) **(Jpn)**
[Case of simultaneous multiple primary lung cancer] Higashiguchi T, et al. **Gan No Rinsho** 1983 Aug; 29(9):1007–11 (Eng. Abstr.) **(Jpn)**
[Clinico-pathological study and surgical treatment of cancer of the greater curvature of the stomach] Yasuna O, et al. **Gan No Rinsho** 1984 May;30(5):473–80 (Eng. Abstr.) **(Jpn)**
[A new method of ovarian transfer in patients with cervical cancer] Shiina Y. **Hokkaido Igaku Zasshi** 1983 Nov; 58(6):575–86 (Eng. Abstr.) **(Jpn)**
[Successful extirpation of the right renal cell carcinoma together with the inferior vena cava: report of a case and review of literature] Afuso H, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Mar;74(3):427–35

(Eng. Abstr.) (Jpn)
[Successful radical surgery of kidney cancer with extensive involvement of the inferior vena cava and pulmonary metastasis] Koguchi M, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Jun;74(6):1051–6 (Eng. Abstr.) (Jpn)
[Complications of transabdominal nephrectomy for renal cell carcinoma] Masuda F, et al. **Nippon Hinyokika Gakkai Zasshi** 1984 Feb;75(2):304–9 (Eng. Abstr.) (Jpn)
[Simultaneous resection of the left atrium for lung neoplasms] Takeuchi K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Sep;31(9):1448–54 (Eng. Abstr.) (Jpn)
[Results of the surgical treatment of cervical cancer] Peteja J, et al. **Ginekol Pol** 1983 Apr;54(4):253–6 (Eng. Abstr.) (Pol)
[A non-secreting adrenal cortex carcinoma of unusual size; surgery and cure] Diaconescu MR, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Oct–Dec;87(4):635–6 (Eng. Abstr.) (Rum)
[Use of lasers in endobronchial surgery] Gerusov MIu. **Grudn Khir** 1983 Sep–Oct;(5):72–6 (22 ref.) (Rus)
[Long-term results of transpleural surgery in cancer of the esophagus and cardioesophageal region] Kleshchevnikova VP. **Grudn Khir** 1984 Jan–Feb;(1):67–70 (Eng. Abstr.) (Rus)
[Single-stage removal of the left kidney and upper lobe of the right lung in hypernephroid cancer] Vishnevskiĭ AA, et al. **Grudn Khir** 1983 Jul–Aug;(4):77–9 (Rus)
[Current concepts in surgical treatment of lung cancer] Chissov VI, et al. **Khirurgiia (Mosk)** 1983 Nov;(11):7–11 (Eng. Abstr.) (Rus)
[Intraabdominal desmoid fibroma after gastrectomy for cancer] Darenskiĭ DI, et al. **Khirurgiia (Mosk)** 1984 Jun;(6):111–2 (Rus)
[Remote results of combined operations in lung cancer] Denisov LE, et al. **Khirurgiia (Mosk)** 1984 Jun;(6):26–7 (Eng. Abstr.) (Rus)
[Simultaneous operations in multiple primary cancer of 3 organs] Fedorov VD, et al. **Khirurgiia (Mosk)** 1984 Jun;(6):109–11 (Rus)
[Surgical treatment of gastric stump cancer] Guleva MN, et al. **Khirurgiia (Mosk)** 1983 Sep;(9):63–4 (Eng. Abstr.) (Rus)
[Successful surgical treatment of bilateral synchronous lung cancer] Gurbanaliev IG, et al. **Khirurgiia (Mosk)** 1984 Jun;(6):117 (Rus)
[Surgical treatment of cancer of the rectum] Kartavenko AN, et al. **Khirurgiia (Mosk)** 1983 Nov;(11):75–9 (Eng. Abstr.) (Rus)
[Cancer of the vermiform appendix] Krikunovskaia LA. **Khirurgiia (Mosk)** 1983 Sep;(9):122 (Rus)
[Repeated radical operations in the recurrence of rectal cancer] Sevost'ianov SI, et al. **Khirurgiia (Mosk)** 1983 Nov;(11):79–82 (Eng. Abstr.) (Rus)
[Repeated radical operations in primary cancer of the gastric stump] Sidorenko VD. **Khirurgiia (Mosk)** 1984 Jun;(6):112–3 (Rus)
[Expanded hemicolectomy in advanced carcinoma of the large intestine] Gizdov G. **Khirurgiia (Sofiia)** 1983;36(2):171–2 (Rus)
[Adaptive reactions of the body and changes in them after surgical treatment of cancer of the lung] Kletke GE, et al. **Klin Khir** 1984 May;(5):17–9 (Eng. Abstr.) (Rus)
[Feasibility of cryosurgery in the treatment of rectal neoplasms] Knysh VI, et al. **Klin Khir** 1984 Feb;(2):33–5 (Eng. Abstr.) (Rus)
[Long-term survival of a patient with a tumor of the major duodenal papilla after conditionally radical surgery] Poliakov NG, et al. **Klin Khir** 1983 Sep;(9):59–60 (Rus)
[Retrospective evaluation of the results of 10 years of surgical treatment of cancer of the esophagus] Pugachev AD. **Klin Khir** 1984 May;(5):7–10 (Eng. Abstr.) (Rus)
[Experience with the surgical treatment of patients with cancer of the rectum] Slinchak SM, et al. **Klin Khir** 1984 May;(5):32–4 (Eng. Abstr.) (Rus)
[Multiple synchronous cancer of the colon] Ianovoĭ VV. **Vestn Khir** 1983 Nov;131(11):81–2 (Rus)
[Diagnosis and treatment of malignant ulcers of the stomach] Kuzin NM, et al. **Vestn Khir** 1983 Sep;131(9):127–30 (Rus)
[Analysis of complications and lethal outcomes of radical surgical treatment of diffuse polyposis of the large intestine] Nikitin AM, et al. **Vestn Khir** 1984 Apr;132(4):46–50 (Eng. Abstr.) (Rus)
[Our 15 years' experience using lobectomy with resection and plastic surgery of the bronchi in lung cancer] Rodionov VV, et al. **Vestn Khir** 1984 Jan;132(1):17–21 (Eng. Abstr.) (Rus)
[Primary multiple colonic tumors] Guliakin MF, et al. **Voen Med Zh** 1983 Jul;(7):65 (Rus)
[Results of treatment of early stomach cancer] Slizzow V, et al. **Vopr Onkol** 1983;29(9):59–65 (Eng. Abstr.) (Rus)
[Urologic sequellae in rectal amputations for cancer] Conejero Sugrañes J, et al. **Actas Urol Esp** 1983 May–Jun;7(3):187–94 (Eng. Abstr.) (Spa)
[Conservative surgery for adenocarcinoma of a unilaterally functioning kidney] Ruiz Alvarez de Cienfuegos F, et al. **Actas Urol Esp** 1983 Jul–Aug;7(4):301–4 (Eng. Abstr.) (Spa)
[Gastric cancer: review of 122 cases] Cotano Urrutikoetxea JR, et al. **Rev Esp Enferm Apar Dig** 1983 Nov;64(5):410–4 (Eng. Abstr.) (Spa)

THERAPY

Occlusion of renal arterial tumor supply with absolute ethanol. Experience with 20 cases. Ekelund L, et al. **Acta Radiol [Diagn] (Stockh)** 1984;25(3):195–201
Treatment of ovarian cancer in the Southern Swedish Health Care Region during the five-year period 1974–1978. Sigurdsson K, et al. **Ann Chir Gynaecol** 1983;72(5):260–7
Embolization of renal carcinoma: complications of 122 procedures. Lammer J, et al. **Ann Radiol (Paris)** 1984 Apr–May;27(4):299–303
Comparison of conventional surgical resection, radioactive implantation, and bypass procedures for exocrine carcinoma of the pancreas 1975–1980. Morrow M, et al. **Ann Surg** 1984 Jan;199(1):1–5
Transfer factor in the treatment of carcinoma of the lung. Kirsh MM, et al. **Ann Thorac Surg** 1984 Aug;38(2):140–5
Carcinoma of the prostate: the therapeutic dilemma. Paulson DF. **Annu Rev Med** 1984;35:341–72 (50 ref.)
Complicated access for regional infusion chemotherapy. A consequence of variant hepatic artery anatomy. Eckhauser FE, et al. **Arch Surg** 1984 Oct;119(10):1195–7
Failure of high doses of alpha interferon to affect the growth of human carcinoma, melanoma, and myeloid leukaemia xenografts. Clutterbuck RD, et al. **Br J Cancer** 1983 Sep;48(3):445–7
Final results of a randomized trial on the treatment of rectal cancer with preoperative radiotherapy alone or in combination with 5-fluorouracil, followed by radical surgery. Trial of the European Organization on Research and Treatment of Cancer Gastrointestinal Tract Cancer Cooperative Group. Boulis-Wassif S, et al. **Cancer** 1984 May 1;53(9):1811–8
Anatomical site-specific modalities for hyperthermia. Bagshaw MA, et al. **Cancer Res** 1984 Oct;44(10 Suppl):4842s–4852s
A cytotoxic monoclonal antibody to colon adenocarcinoma. Kaszubowski PA, et al. **Cancer Res** 1984 Mar;44(3):1194–9
Effect of localized hyperthermia on TA3Ha tumor transplanted subcutaneously in the tails of mice. Murthy MS, et al. **Cancer Res** 1984 Sep;44(9):3836–40
Phase II trial of lymphoblastoid interferon in metastatic colon carcinoma. Chaplinski T, et al. **Cancer Treat Rep** 1983 Nov;67(11):1009–12
Photoradiation therapy in advanced carcinoma of the trachea and bronchus. Vincent RG, et al. **Chest** 1984 Jan;85(1):29–33
Embolisation of hypernephromas: a simple technique using ethanol. Wells IP, et al. **Clin Radiol** 1983 Nov;34(6):689–92
The role of embolization in the treatment of kidney carcinoma. Bono AV, et al. **Eur Urol** 1983;9(6):334–7
Carcinoma of the cervix, FIGO Stage IB: treatment failures. Adcock LL, et al. **Gynecol Oncol** 1984 Jun;18(2):218–25
Treatment of patients with disseminated colorectal cancer with recombinant human alpha 2-interferon. Studies on the immune system. Einhorn S, et al. **Int J Cancer** 1984 Feb 15;33(2):251–6
Interferon treatment of a transplantable rat colon adenocarcinoma: importance of tumor site. Marquet RL, et al. **Int J Cancer** 1984 May 15;33(5):689–92
Oral administration of the methanol extraction residue of BCG (MER/BCG): a phase I study in non-oat cell lung cancer patients. Bartal AH, et al. **Int J Immunopharmacol** 1983;5(4):329–34
Adjuvant therapy for Dukes C adenocarcinoma of colon. Brenner HJ, et al. **Int J Radiat Oncol Biol Phys** 1983 Dec;9(12):1789–92
Analysis of cosmetic results and complications in patients with stage I and II breast cancer treated by biopsy and irradiation. Clarke D, et al. **Int J Radiat Oncol Biol Phys** 1983 Dec;9(12):1807–13
Response of an experimental mammary carcinoma to fractionated X-irradiation with misonidazole and microwave hyperthermia. Goldfeder A, et al. **Int J Radiat Oncol Biol Phys** 1984 Aug;10(8):1287–91
Combined radiation and hyperthermia: comparison of two treatment schedules based on data from a registry established by the Radiation Therapy Oncology Group (RTOG). Luk KH, et al. **Int J Radiat Oncol Biol Phys** 1984 Jun;10(6):801–9
Immunologic alterations and active aspecific immunotherapy in lung cancer patients. Banna P, et al. **Ital J Surg Sci** 1983;13(2):133–7
Effect of interferon therapy on indomethacin-sensitive immunoregulation in the peripheral blood mononuclear cells of renal cell carcinoma patients. Braun DP, et al. **J Biol Response Mod** 1983;2(3):251–62
Ultrastructural changes in breast tumors of patients following treatment with plasma perfused over immobilized protein A. Daskal Y, et al. **J Biol Response Mod** 1984;3(3):247–54
Effect of frequency of plasma adsorption over protein A-containing Staphylococcus aureus on regression of rat mammary adenocarcinomas: modification of antitumor immune response and tumor histopathology. Ray PK, et al. **J Biol Response Mod** 1984;3(1):39–59
Adsorption of plasma from tumor-bearing hosts over protein A--containing nonviable Staphylococcus aureus Cowan I: possible mechanism of antitumor reactions. Ray PK, et al. **J Biol Response Mod** 1984;3(3):293–302
Effects of monoclonal antibody immunotherapy on patients with gastrointestinal adenocarcinoma. Sears HF, et al. **J Biol Response Mod** 1984;3(2):138–50
Brain metastases in patients with renal cell carcinoma: prognosis and treatment. Decker DA, et al. **J Clin Oncol** 1984 Mar;2(3):169–73
Genitourinary tumors II: Carcinoma of the prostate. Graham SD Jr. **J Med Assoc Ga** 1983 Oct;72(10):735–9
Adjuvant therapy in rectal carcinoma. Brickner TJ Jr, et al. **J Okla State Med Assoc** 1983 Nov;76(11):377–87
Survival following orchiectomy for stage D adenocarcinoma of the prostate. Forrest JB, et al. **J Surg Oncol** 1984 Jan;25(1):71–2
Primary malignancy of the fallopian tube: a clinical review of 13 cases. Johnston GA Jr. **J Surg Oncol** 1983 Dec;24(4):304–9
Fragmentation of a Celestin tube causing intestinal obstruction. Case report and review of the literature. Palafox BA, et al. **J Thorac Cardiovasc Surg** 1984 May;87(5):698–701
10-year experience with adenocarcinoma of the bladder. Bennett JK, et al. **J Urol** 1984 Feb;131(2):262–3
Re: Radical surgery versus radiotherapy for adenocarcinoma of the prostate [letter] Byhardt RW, et al. **J Urol** 1983 Dec;130(6):1205–6
The treatment of renal cell carcinoma with human leukocyte alpha-interferon. deKernion JB, et al. **J Urol** 1983 Dec;130(6):1063–6
Pain control following renal infarction/ablation using continuous epidural combined anesthesia/analgesia. Jordan GH, et al. **J Urol** 1983 Nov;130(5):861–2
Renal cell carcinoma--angioinfarction. Mebust WK, et al. **J Urol** 1984 Feb;131(2):231–5
Radiation therapy versus delayed androgen deprivation for stage C carcinoma of the prostate. Paulson DF, et al. **J Urol** 1984 May;131(5):901–2
Current treatment of metastatic renal cell carcinoma with xenogeneic immune ribonucleic acid. Richie JP, et al. **J Urol** 1984 Feb;131(2):236–8
Neuropsychiatric manifestations of human leukocyte interferon therapy in patients with cancer. Adams F, et al. **JAMA** 1984 Aug 17;252(7):938–41
Remission of metastatic adenocarcinoma of the colon. Shapiro CM, et al. **JAMA** 1983 Nov 11;250(18):2503–4
Enhanced tumor response to cycle-specific chemotherapy by parenteral amino acid administration. Torosian MH, et al. **JPEN** 1983 Jul–Aug;7(4):337–45
Experimental and clinical results of application of antitumor vaccines obtained by means of bacterial metabolism. Zatula DG. **Neoplasma** 1984;31(1):65–74
Treatment of advanced ovarian malignancy with chemoimmunotherapy using autologous tumor and Corynebacterium parvum. Gusdon JP Jr, et al. **Obstet Gynecol** 1983 Dec;62(6):728–35
Immunotherapy of renal cell carcinoma. deKernion JB. **Prog Clin Biol Res** 1984;153:409–21 (40 ref.)
Cyclic intermittent parenteral nutrition (CIPN). The first adjuvant therapy for radio-chemotherapeutic combinations in advanced ovarian tumors (AOT). Joyeux H, et al. **Prog Clin Biol Res** 1983;132D:171–8
Embolization and subsequent nephrectomy in metastatic renal cell carcinoma. Kurth KH, et al. **Prog Clin Biol Res** 1984;153:423–36 (41 ref.)
The timing of androgen ablation therapy and/or chemotherapy in the treatment of prostatic cancer. Isaacs JT. **Prostate** 1984;5(1):1–17
Systematic understanding of cancer patients who refuse treatment. Goldberg RJ. **Psychother Psychosom** 1983;39(3):180–9
Osseous metastases from renal cell carcinoma: embolization and surgery for restoration of function. Work in progress. Rowe DM, et al. **Radiology** 1984 Mar;150(3):673–6
Some effects of orchiectomy, oestrogen treatment and radiation therapy in patients with prostatic carcinoma. Tomić R. **Scand J Urol Nephrol [Suppl]** 1983;77:1–37
Immunologic therapies of kidney carcinoma. McCune CS. **Semin Oncol** 1983 Dec;10(4):431–6 (38 ref.)
Combined radical nephrectomy and portacaval shunt for renal cell carcinoma with portal hypertension and ascites. Little WG, et al. **South Med J** 1984 Aug;77(8):1063–4
Management of adenocarcinoma extending to the middle and upper part of the esophagus. Hiatt JR, et al. **Surg Gynecol Obstet** 1984 Jun;158(6):541–4
Immunotherapy of thyroid cancer by induction of autoimmune thyroiditis. Gerfo PL, et al. **Surgery** 1983 Dec;94(6):959–65
Specific active immunotherapy with butanol-extracted, tumor-associated antigens incorporated into liposomes. Steele G Jr, et al. **Surgery** 1984 Aug;96(2):352–9
Prostatic carcinoma presenting with respiratory symptoms: response to orchidectomy. Simpson FG, et al. **Thorax** 1984 Jul;39(7):552–3
Renal devitalization with ethanol injection in management of patients with advanced hypernephroma. Jitsukawa S, et al. **Urology** 1984 Jan;23(1):87–92
Adenocarcinoma of kidney in seven-year-old child. Eight-year follow-up. Rahima M, et al. **Urology** 1984 Aug;24(2):182–4
[Clinical analysis of 189 cases of adenocarcinoma of the cervix] Yu GZ. **Chung Hua Fu Chan Ko Tsa Chih** 1984 Jan;19(1):40–2 (Eng. Abstr.) (Chi)
[Transcatheter coil embolization of renal cell carcinoma] Ho YJ, et al. **Taiwan I Hsueh Hui Tsa Chih** 1983 Apr;82(4):521–9 (Eng. Abstr.) (Chi)

[Ovarian carcinoma: a multidisciplinary approach] Boven E, et al. **Ned Tijdschr Geneeskd** 1984 Jan 21;128(3):126–31 **(Dut)**

[Glandular cancer of the cervix in the initial stages. Treatment and results at the Curie Institute] Garrido Teruel R, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1983; 12(5):541–3 (Eng. Abstr.) **(Fre)**

[Negative results of a randomized therapeutic trial of nonspecific immunotherapy in primary, surgically-treated non-small cell bronchial cancer] Decroix G, et al. **Rev Mal Respir** 1984;1(1):25–30 (Eng. Abstr.) **(Fre)**

[Selective embolization of the internal iliac artery in life-threatening hemorrhaging prostatic cancer] Lenz M, et al. **ROFO** 1984 May;140(5):520–4 (Eng. Abstr.) **(Ger)**

[Non-small cell bronchial carcinoma. Chemo- and radiotherapy] Gropp C. **ZFA (Stuttgart)** 1984 Jan 31; 60(3):109–12 **(Ger)**

[New data on relations between residual hormonal modulability and medical treatment of breast adenocarcinoma] Prodi G, et al. **Minerva Med** 1984 Feb 18;75(6):219–21 **(Ita)**

[An autopsy report of pancreatic carcinoma following the achievement of significant prolongation of survival, despite the lack of a definitive diagnosis] Tajiri H, et al. **Gan No Rinsho** 1984 Mar;30(3):307–10 (Eng. Abstr.) **(Jpn)**

[Clinical effects of human fibroblast interferon in advanced gynecological cancers] Kanazawa K, et al. **Gan To Kagaku Ryoho** 1984 Jun;11(6):1276–83 (Eng. Abstr.) **(Jpn)**

[Increased cytotoxic effects of various anticancer drugs by alpha-interferon (HLBI) on human tumor xenografts in nude mice] Nosoh Y, et al. **Gan To Kagaku Ryoho** 1984 Aug;11(8):1623–8 (Eng. Abstr.) **(Jpn)**

[The therapy of renal cell carcinoma with human lymphoblastoid interferon] Masuda F, et al. **Hinyokika Kiyo** 1984 May;30(5):615–9 (Eng. Abstr.) **(Jpn)**

[Human lymphoblast interferon. An effective agent on renal cell carcinoma] Ono Y, et al. **Nippon Gan Chiryo Gakkai Shi** 1983 Jun 20;18(4):962–8 (Eng. Abstr.) **(Jpn)**

[Clinical studies of 116 cases of brain metastases of lung cancer—relative roles of surgery and radiotherapy] Yamashita J, et al. **Nippon Gan Chiryo Gakkai Shi** 1983 Aug 20;18(5):1124–34 (Eng. Abstr.) **(Jpn)**

[Effect of preoperative renal arterial embolization on prognosis of renal cell carcinoma] Masuda F, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Oct;74(10):1796–8 (Eng. Abstr.) **(Jpn)**

[Radiotherapy of esophageal cancer in combination with chemotherapy] Jinnouchi S, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1983 Nov 25; 43(11):1278–83 (Eng. Abstr.) **(Jpn)**

[Combination therapy of radiation and bleomycin for esophageal carcinoma, with special reference to the prognostic aspect] Yamada S, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1983 Oct 25; 43(10):1183–93 (Eng. Abstr.) **(Jpn)**

[Management of cancer in England] Hayabuchi N. **Rinsho Hoshasen** 1984 Feb;29(2):295–8 **(Jpn)**

[Results of combined treatment of cancer of the stomach taking into consideration tumor sensitivity to 5-fluorouracil] Gnatyshak AI, et al. **Klin Khir** 1984 May; (5):21–2 (Eng. Abstr.) **(Rus)**

[Fractionated postoperative irradiation in combined therapy of lung cancer] Klimenko AA, et al. **Med Radiol (Mosk)** 1984 Mar;29(3):10–3 (Eng. Abstr.) **(Rus)**

[Electrocardiographic changes in patients with lung cancer after surgical and combined treatment] Kharchenko VP, et al. **Sov Med** 1983;(12):18–22 (Eng. Abstr.) **(Rus)**

[Combined treatment of patients with extensive cancer of the maxillary sinus] Boikov VP, et al. **Stomatologiia (Mosk)** 1984 Jul-Aug;63(4):50–1 (Eng. Abstr.) **(Rus)**

[Complex treatment of prostate cancer patients] Sviridova TV, et al. **Urol Nefrol (Mosk)** 1984 Mar-Apr;(2):9–13 (Eng. Abstr.) **(Rus)**

[5-Fluorouracil treatment combined with ascorbic acid in patients with disseminated stomach cancer] Shlemkevich MP, et al. **Vrach Delo** 1984 Jul;(7):30–2 (Eng. Abstr.) **(Rus)**

[Arterial embolization in the preoperative management of renal carcinoma] Durán F, et al. **Rev Med Chil** 1983 Feb; 111(2):145–8 (Eng. Abstr.) **(Spa)**

ULTRASTRUCTURE

Susceptibility of the mammary gland to carcinogenesis. III. The cell of origin of rat mammary carcinoma. Russo J, et al. **Am J Pathol** 1983 Oct;113(1):50–66

Malignant Merkel cell neoplasm of the eyelid. Searl SS, et al. **Arch Ophthalmol** 1984 Jun;102(6):907–11

Enteric-type adenocarcinoma of the nasal cavity. An electron microscopic and immunocytochemical study. Batsakis JG, et al. **Cancer** 1984 Sep 1;54(5):855–60

Ultrastructural subtypes of pulmonary adenocarcinoma. A correlation with patient survival. Herrera GA, et al. **Chest** 1983 Nov;84(5):581–6

The anaplastic transformation of differentiated thyroid carcinoma. An ultrastructural study. Dumitriu L, et al. **Endocrinologie** 1984 Apr-Jun;22(2):91–6

An ultrastructural comparison of grade I and II endometrial adenocarcinoma considering estrogen and progesterone receptor status. Horbelt DV, et al. **Gynecol Oncol** 1984 Jun;18(2):150–6

Relationship between ultrastructure and receptor content of human primary breast cancer. Le Doussal V, et al. **Histopathology** 1984 Jan;8(1):89–103

Propagation of a poorly differentiated human pulmonary adenocarcinoma in nude athymic rats. Korsgaard R, et al. **Int J Cancer** 1983 Dec 15;32(6):793–9

Condensed chromatin in the cell nuclei of the human uterine cervix: squamous and columnar epithelium, non-pregnant and pregnant state, and adenocarcinomata. Nagl W, et al. **J Submicrosc Cytol** 1983 Oct;15(4):1065–71

A Merkel cell tumor of the eyelid. Lamping K, et al. **Ophthalmology** 1983 Dec;90(12):1399–402

Fine structure analysis and surface characteristics of mouse mammary gland adenocarcinomas. Ames IH, et al. **Scan Electron Microsc** 1984;(Pt 1):391–9

Prognostic significance of nuclear sizing in renal cell carcinoma. Gilchrist KW, et al. **Urology** 1984 Aug; 24(2):122–4

Stromal cell changes in human colorectal adenomas and carcinomas. An ultrastructural study of fibroblasts, myofibroblasts, and smooth muscle cells. Ohtani H, et al. **Virchows Arch [A]** 1983;401(2):209–22

[Silver staining observation on the nucleolar organizer regions of chromosomes in adenocarcinoma patients] Wang GH. **Chung Hua I Hsueh Tsa Chih** 1983 Nov;63(11):676–9 (Eng. Abstr.) **(Chi)**

[Bronchopulmonary adenocarcinoma: tissue differentiation and cellular origin. Light and electron microscopy analysis] Fasske E. **Pathologe** 1984 Jan;5(1):3–12 **(Ger)**

[Surface changes in endometrial cancer under the effect of large doses of progestogen (Depo-Provera)] Szarvas Z, et al. **Morphol Igazsagugyi Orv Sz** 1984 Apr;24(2):92–9 (Eng. Abstr.) **(Hun)**

[Case of benign clear cell tumor of the lung] Tomichi N, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Aug; 21(8):758–63 (Eng. Abstr.) **(Jpn)**

[Ultrastructural characteristics of endometrioid and serous ovarian adenocarcinomas] Kolosov AE, et al. **Arkh Patol** 1983;45(8):34–8 (Eng. Abstr.) **(Rus)**

[Submicroscopic characteristics of argyrophilic-cell adenocarcinoma of the endometrium] Lomakina II, et al. **Arkh Patol** 1984;46(7):66–71 (Eng. Abstr.) **(Rus)**

[Clear-cell carcinoma of the lung] Smirnova EA, et al. **Arkh Patol** 1984;46(2):74–7 (Eng. Abstr.) **(Rus)**

[Histological and ultrastructural analysis of infiltrative tumors of the human breast] Topuriia IV, et al. **Arkh Patol** 1983; 45(6):39–46 (Eng. Abstr.) **(Rus)**

URINE

[Analysis of the high risk factors of endometrial adenocarcinoma—abnormal excretion in urinary steroids in androgen sterilized rats] Morikawa S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Jul; 36(7):995–1000 (Eng. Abstr.) **(Jpn)**

VETERINARY

Progesterone receptors in feline mammary adenocarcinomas. Johnston SD, et al. **Am J Vet Res** 1984 Feb;45(2):379–82

Adenocarcinoma of the small intestine of a yearling ewe. Anderson BC. **J Am Vet Med Assoc** 1983 Dec 15; 183(12):1467–8

Carcinoma of the colon in the cotton-top tamarin: a radiographic study. Clapp NK, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1328–30

Surgical, medical, and nutritional management of gastric adenocarcinoma in a dog. Elliott GS, et al. **J Am Vet Med Assoc** 1984 Jul 1;185(1):98–101

Adenocarcinoma of the mouth of a goat. Lane VM, et al. **J Am Vet Med Assoc** 1983 Nov 15;183(10):1099–100

Prognostic factors for feline mammary tumors. MacEwen EG, et al. **J Am Vet Med Assoc** 1984 Jul 15;185(2):201–4

Hypertrophic osteopathy associated with adenocarcinoma of the esophageal glands in a dog. Randolph JF, et al. **J Am Vet Med Assoc** 1984 Jan 1;184(1):98–9

What is your diagnosis? Mandibular mass suggestive of neoplasia and soft tissue density in the right nasal cavity. Ryan CP. **J Am Vet Med Assoc** 1983 Aug 15;183(4):469–70

Experience with Staphylococcus aureus and protein A in the treatment of canine malignancies. Bowles CA, et al. **J Biol Response Mod** 1984;3(3):260–5

Diagnostic exercise. Porter WP, et al. **Lab Anim Sci** 1983 Aug;33(4):353–4

Adenocarcinoma of Brunner's glands in a baboon (Papio cynocephalus). Tsai CC, et al. **Lab Anim Sci** 1983 Dec; 33(6):603–5

Thyroid adenocarcinoma in a dog. Ackerman LJ, et al. **Mod Vet Pract** 1984 Apr;65(4):303, 306

Thyroglobulin and calcitonin immunoreactivity in canine thyroid carcinomas. Moore FM, et al. **Vet Pathol** 1984 Mar; 21(2):168–73

[Regional proliferative changes in the intestines and intestinal adenocarcinoma and lymphoma in golden hamsters with 'wet tail'] Jelinek F, et al. **Cesk Patol** 1983 Aug;19(3):164–77 (Eng. Abstr.) **(Cze)**

[Interstitial vascular reaction of naturally occurring mammary adenocarcinoma in old C3H/HeJ female mice] Inouye T, et al. **Jikken Dobutsu** 1984 Apr;33(2):151–7 (Eng. Abstr.) **(Jpn)**

ADENOCARCINOMA, PAPILLARY

ANALYSIS

[Localization of carcinoembryonic antigen (CEA) in atypical epithelial foci and well-differentiated early cancer of the stomach] Kohfuji K. **Nippon Shokakibyo Gakkai Zasshi** 1983 May;80(5):1111–7 (Eng. Abstr.) **(Jpn)**

BLOOD

[Clinical significance of the serum concentration of carcino-embryonic antigen of stomach cancer patients at the preoperative examination stage] Miasoedov DV, et al. **Klin Khir** 1984 May;(5):12–4 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

[Experimental minute gastric cancer induced by N-ethyl-N'-nitro-N-nitrosoguanidine in dogs] Nomura H, et al. **Nippon Geka Gakkai Zasshi** 1984 Jan;85(1):29–37 (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

Bilateral diaphragmatic paralysis as a possible paraneoplastic syndrome from renal cell carcinoma. Thomas NE, et al. **Am Rev Respir Dis** 1984 Mar;129(3):507–9

Carcinoma of cystic duct leading to obstructive jaundice. De Waele B, et al. **Dig Dis Sci** 1984 Sep;29(9):865–7

[Pleural empyema caused by Salmonella cholerae suis in a patient with breast cancer in the stage of metastatic dissemination] Santus G, et al. **Minerva Med** 1984 May 12;75(20):1223–6 (Eng. Abstr.) **(Ita)**

[A case of hyperthyroidism combined with thyroid carcinoma] Chen KM, et al. **Gan No Rinsho** 1984 May; 30(5):515–8 (Eng. Abstr.) **(Jpn)**

[Carcinoma in diverticulum of female urethra--a case report and review of the literature] Noguchi S, et al. **Hinyokika Kiyo** 1983 Aug;29(8):921–9 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Solitary lateral cervical cyst: presenting symptom of papillary thyroid adenocarcinoma. Tovi F, et al. **Ann Otol Rhinol Laryngol** 1983 Sep-Oct;92(5 Pt 1):521–4

[Difficulties in the diagnosis of tumorous cysts of the pancreas--apropos of 1 case] Deredzhian A, et al. **Khirurgiia (Sofiia)** 1983;36(5):481–3 **(Bul)**

[Primary cancer of the Fallopian tube] Sward J, et al. **Wiad Lek** 1983 Sep 15;36(18):1553–5 (Eng. Abstr.) **(Pol)**

ETIOLOGY

Multiple gastric tumors—Crohn's disease. Fischbach W, et al. **Endoscopy** 1984 Jul;16(4):154–6

[Localized Caroli's disease associated with mucosecreting papillary adenocarcinoma. Value of hepatic resection] Chevillotte G, et al. **Presse Med** 1984 Apr 28;13(18):1137–9 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

[Monoclonal antibody-defined tumor marker CA19-9: evaluation of its clinical usefulness, using the radioimmunometric assay for CA19-9] Oguchi H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Jun;81(6):1430–5 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Low-grade papillary adenocarcinoma of palatal salivary gland origin. Mills SE, et al. **Am J Surg Pathol** 1984 May; 8(5):367–74

Papillary adenocarcinoma of minor salivary gland origin in a child. Crocker TP, et al. **Arch Otolaryngol** 1983 Dec; 109(12):827–31

Bilateral ovarian carcinoma with bilateral uveal melanoma. Mullaney J, et al. **Br J Ophthalmol** 1984 Apr;68(4):261–7

Coexistence of adenocarcinoma and choriocarcinoma in the sigmoid colon. Kubosawa H, et al. **Cancer** 1984 Sep 1; 54(5):866–8

Papillary adenocarcinomas of the prostate. An immunohistochemical study. Kuhajda FP, et al. **Cancer** 1984 Oct 1;54(7):1328–32

Primary adenocarcinoma of the duodenum. Report of two cases. Rudan N, et al. **Cancer** 1984 Sep 15;54(6):1105–9

Simultaneous squamous cell carcinoma and papillary adenocarcinoma of the thyroid gland. Motoyama T, et al. **Hum Pathol** 1983 Nov;14(11):1009–10

Psammoma bodies in papillary adenocarcinoma of the endocervix. Seltzer V, et al. **Int J Gynecol Pathol** 1983; 2(2):216–21

Tumor calcification in renal papillary adenocarcinoma [letter] Bard RH. **Urology** 1983 Dec;22(6):674

[Primary seminal vesicle carcinoma in a 19-year-old male] Atobe T, et al. **Gan No Rinsho** 1984 Feb;30(2):205–14 (Eng. Abstr.) **(Jpn)**

[A case of papillary adenocarcinoma of the prostate] Fukuoka H, et al. **Hinyokika Kiyo** 1984 May;30(5):663–9 (Eng. Abstr.) **(Jpn)**

[Thyroid papilloma arising from thyroglossal cyst] Hanamatsu M, et al. **Horumon To Rinsho** 1983 Jun;31

Suppl:92–5 **(Jpn)**

[Morphological diagnosis of early forms of adenocarcinomas of the cervix] Novik VI, et al. **Arkh Patol** 1983;45(8):38–43 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Demonstration by computed tomography of delayed thyroid metastasis. Chawla K, et al. **J Natl Med Assoc** 1984 Apr; 76(4):411–2

[Clues for CT diagnosis of small resectable cancer of the pancreas] Gondo M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 May; 80(5):1198–207 (Eng. Abstr.) **(Jpn)**

[A trial of double-contrast cholecystography under ultrasound guidance. A case of early cancer of the gallbladder] Tomatsu S, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Dec;80(12):2605 **(Jpn)**

[An interesting case of double cancer of the stomach and gallbladder] Tachikawa H, et al. **Rinsho Hoshasen** 1983 Dec;28(13):1591–4 (Eng. Abstr.) **(Jpn)**

SECONDARY

[Total replacement of sternum for the sternal metastasis of thyroid cancer] Tokushima T, et al. **Horumon To Rinsho** 1983 Jun;31 Suppl:98–100 **(Jpn)**

SURGERY

Intrahepatic biliary papillomatosis [letter] Stoker TA. **Br J Surg** 1984 May;71(5):398

Long-term survival following local resection of carcinoma of ampulla of Vater. Tudor RG. **Br J Surg** 1984 Apr; 71(4):271

[Late results of surgical treatment of cancer of the thyroid gland in children and adolescents] Simeonov L, et al. **Khirurgiia (Sofiia)** 1984;37(1):32–6 (Eng. Abstr.) **(Bul)**

[Pregnancy and delivery following surgical management of thyroid cancer and Cushing's disease] Kaneko N, et al. **Horumon To Rinsho** 1983 Aug;31(8):761–4 **(Jpn)**

VETERINARY

Spontaneous uterine tumors in three cats. Papparella S, et al. **Vet Pathol** 1984 Mar;21(2):257–8

ADENOFIBROMA

ANALYSIS

Feulgen DNA cytophotometry in histologic sections of mammary neoplasms. Berryman I, et al. **Anal Quant Cytol** 1984 Mar;6(1):19–23

DIAGNOSIS

The role of the obstetrician-gynecologist in the management of breast lesions. Weekes LR. **J Natl Med Assoc** 1983 Aug; 75(8):783–92

ENZYMOLOGY

[Glycosidase activity measured in tumor tissue. The N-acetylglucosaminidase (NAFA) activity of breast fibroadenomas in relation to the stage of tumor development] Sehrt B, et al. **Radiobiol Radiother (Berl)** 1983;24(4):511–6 (Eng. Abstr.) **(Ger)**

[Biological behavior of prostatic carcinoma. I. Histochemical studies of enzyme activities in primary tumors] Gorski J, et al. **Urologe [Ausg A]** 1983 Sep;22 Suppl:350–5 (Eng. Abstr.) **(Ger)**

[LDH index in the diagnosis of prostatic diseases] Lalanne MG, et al. **Minerva Urol** 1983 Oct-Dec;35(4):243–5 (Eng. Abstr.) **(Ita)**

FAMILIAL & GENETIC

[Breast cancer in 4 sisters] Bonderup O, et al. **Ugeskr Laeger** 1983 Nov 14;145(46):3579–80 (Eng. Abstr.) **(Dan)**

OCCURRENCE

Occurrence of breast carcinoma within a fibroadenoma. A review. Pick PW, et al. **Arch Pathol Lab Med** 1984 Jul; 108(7):590–4 (28 ref.)

PATHOLOGY

Ovarian clear cell adenofibromatous tumors. Benign, of low malignant potential, and associated with invasive clear cell carcinoma. Roth LM, et al. **Cancer** 1984 Mar 1; 53(5):1156–63

Sclerosing lobular hyperplasia manifesting as a palpable mass of the breast in young black women. Kovi J, et al. **Hum Pathol** 1984 Apr;15(4):336–40

Stromal cells of the fibroadenoma of the human breast. An immunohistochemical and ultrastructural study. Ohtani H, et al. **Virchows Arch [A]** 1984;404(1):7–16

[Fibroadenoma of the paraurethral glands. A new tumoral entity?] Bertrand G, et al. **Ann Pathol** 1984 Apr-May; 4(2):147–50 (Eng. Abstr.) **(Fre)**

[Interpretation of the formal genesis of fibroadenoma of the breast as a hyperplasiogenic tumor of a histosystem based on a comparison of morphologic and biochemical research] Mangakis N, et al. **Radiobiol Radiother (Berl)** 1983; 24(4):473–99 (Eng. Abstr.) **(Ger)**

[Fibroadenoma, mastopathy, intraductal papilloma: relationship to carcinoma—a case report of carcinoma of the breast arising in fibroadenoma] Tanaka A, et al. **Nippon Geka Hokan** 1983 Mar 1;52(2):232–43 (Eng. Abstr.) **(Jpn)**

[Malignancy of foliaceous breast fibroadenomas] Kulakova AM, et al. **Khirurgiia (Mosk)** 1983 Sep;(9):18–20 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Phyllodes tumour and stromal sarcoma of the breast: an ultrastructural comparison. Harris M, et al. **Histopathology** 1984 Mar;8(2):315–30

VETERINARY

[Histopathological findings in mammary hypertrophy-fibroadenoma complex of the cat] Mandelli G, et al. **DTW** 1983 Nov 7;90(11):482–5 (Eng. Abstr.) **(Ger)**

ADENOHYPOPHYSIS see **PITUITARY GLAND, ANTERIOR**

ADENOIDECTOMY

Catecholamine and endocrine response in children during halothane and enflurane anaesthesia for adenoidectomy. Sigurdsson GH, et al. **Acta Anaesthesiol Scand** 1984 Feb; 28(1):47–51

Management of otitis media with effusion: a review. Smyth GD. **Am J Otol** 1984 Jul;5(5):344–9 (45 ref.)

Ventricular arrhythmia or supraventricular arrhythmia with aberrant conduction? An electrocardiographic study in halothane-anaesthetized children undergoing adenoidectomy. Sigurdsson GH, et al. **Br J Anaesth** 1983 Sep;55(9):861–8

Influence of premedication on the sympathetic and endocrine responses and cardiac arrhythmias during halothane anaesthesia in children undergoing adenoidectomy. Sigurdsson GH, et al. **Br J Anaesth** 1983 Oct;55(10):961–8

Chronic otitis media with effusion (glue ear) and adenotonsillectomy [letter] **Br Med J [Clin Res]** 1984 Feb 4;288(6414):405–6

Chronic otitis media with effusion (glue ear) and adenotonsillectomy: prospective randomised controlled study. Maw AR. **Br Med J [Clin Res]** 1983 Nov 26; 287(6405):1586–8

A prospective randomized trial of adenoidectomy vs grommet insertion in the treatment of glue ear. Bulman CH, et al. **Clin Otolaryngol** 1984 Apr;9(2):67–75

Current thinking on tonsillectomy and adenoidectomy. Blum DJ, et al. **Compr Ther** 1983 Dec;9(12):48–56 (13 ref.)

Chronic otitis media with effusion and adeno-tonsillectomy—a prospective randomized controlled study. Maw AR. **Int J Pediatr Otorhinolaryngol** 1983 Dec; 6(3):239–46

Velopharyngeal insufficiency starting at puberty without adenoidectomy. Shapiro RS. **Int J Pediatr Otorhinolaryngol** 1980 Sep;2(3):255–60

Post-operative haemorrhage in tonsillectomy and adenoidectomy in children. Capper JW, et al. **J Laryngol Otol** 1984 Apr;98(4):363–5

Adenotonsillectomy and obstructive sleep apnoea [editorial] **S Afr Med J** 1983 Oct 22;64(18):687–8

[The use of neuroleptanesthesia in adenotonsillectomy in children] Jung C, et al. **Anasth Intensivther Notfallmed** 1984 Jun;19(3):112–6 (Eng. Abstr.) **(Ger)**

[Effects of adenoidectomy on middle ear function: 1 year follow-up using tympanometry] Martini A, et al. **Acta Otorhinolaryngol Ital** 1984 Mar-Apr;4(2):139–49 (Eng. Abstr.) **(Ita)**

[Positive effect of adenotonsillectomy in children with chronic tonsillitis, adenoiditis and diabetes mellitus] Kitaigorodskiĭ AP. **Vestn Otorinolaringol** 1984 May-Jun; (3):34–7 (Eng. Abstr.) **(Rus)**

[Experience in the use of nasopharyngeal anesthesia in ORL surgery] Nefedov GN, et al. **Vestn Otorinolaringol** 1984 May-Jun;(3):71–2 **(Rus)**

ADVERSE EFFECTS

[Immunologic findings in children in relation to tonsillectomy and adenotomy] Sláma K, et al. **Cesk Otolaryngol** 1984 Feb;33(1):31–5 (Eng. Abstr.) **(Cze)**

[Adenoidectomy and tonsillectomy in allergic patients] Fourrier E. **Ann Otolaryngol Chir Cervicofac** 1984; 101(3):237–9 (Eng. Abstr.) **(Fre)**

[Traumatic retropharyngeal pseudodiverticulum following adenoidectomy] Pedro-Gil J, et al. **An Esp Pediatr** 1983 Sep;19(3):226–8 **(Spa)**

ADENOIDS

[Positive effect of adenotonsillectomy in children with chronic tonsillitis, adenoiditis and diabetes mellitus] Kitaigorodskiĭ AP. **Vestn Otorinolaringol** 1984 May-Jun; (3):34–7 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Human interferon production in tonsil and adenoid tissue cultures. Richtsmeier WJ. **Am J Otolaryngol** 1983 Sep-Oct; 4(5):325–33

Lymphocyte subsets in human adenoids and tonsils. Rosette formation, alpha-naphthyl acetate esterase cytochemistry, monoclonal antibodies and peanut lectin reactivity. Ennas MG, et al. **Immunol Lett** 1984;8(1):1–9

Subpopulation of adenoidal lymphocytes of recurrent infection in the upper respiratory tract. Yamaguchi T, et al. **Int J Pediatr Otorhinolaryngol** 1980 Jun;2(2):139–46

Isolation of follicular dendritic cells from human tonsils and adenoids. I. Procedure and morphological characterization. Lilet-Leclercq C, et al. **J Immunol Methods** 1984 Feb 10; 66(2):235–44

IMMUNOLOGY

Detection of allergic disease in adenoid tissue. Loesel LS. **Am J Clin Pathol** 1984 Feb;81(2):170–5

Immunology of tonsils and adenoids—an update. Wong DT, et al. **Int J Pediatr Otorhinolaryngol** 1980 Sep;2(3):181–91

METABOLISM

Penetration of cefaclor to adenoid tissue and middle ear fluid in secretory otitis media. Edén T, et al. **Scand J Infect Dis [Suppl]** 1983;39:48–52

PATHOLOGY

The effects of lymphadenoid hypertrophy on the position of the tongue, the mandible and the hyoid bone. Adamidis IP, et al. **Eur J Orthod** 1983 Nov;5(4):287–94

Pulmonary function studies in adenoid hypertrophy. Maurizi M, et al. **Int J Pediatr Otorhinolaryngol** 1980 Sep; 2(3):243–50

Tympanometric findings in patients with adenoid hyperplasia, chronic sinusitis and tonsillitis. Abd Alhady R, et al. **J Laryngol Otol** 1984 Jul;98(7):671–6

Adeno-tonsillar hypertrophy as a cause of sleep apnoea syndrome. Ravindran VK. **Med J Malaysia** 1983 Jun; 38(2):164–6

[Alveolar hypoventilation during sleep in pharyngeal obstruction caused by lymphoid hypertrophy in children] Messer J, et al. **Arch Fr Pediatr** 1984 May;41(5):333–6 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

[Cephalometric technics of assessing the rhinopharyngeal functional area and adenoid tissue] Martina R, et al. **Minerva Stomatol** 1983 Jul-Aug;32(4):593–9 (7 ref.) (Eng. Abstr.) **(Ita)**

RADIOGRAPHY

Radiologic evaluation of adenoids and tonsils in children with obstructive sleep apnea: plain films and fluoroscopy. Fernbach SK, et al. **Pediatr Radiol** 1983;13(5):258–65

ULTRASTRUCTURE

Isolation of follicular dendritic cells from human tonsils and adenoids. II. Immunocytochemical characterization. Heinen E, et al. **Eur J Immunol** 1984 Mar;14(3):267–73

ADENOLYMPHOMA

DIAGNOSIS

An unusual case of papillary cystadenoma lymphomatosum of the plica semilunaris. Carden R. **J Am Optom Assoc** 1983 Nov;54(11):995–6

Adenolymphoma of palate. Zanzarukiya BB, et al. **J Indian Med Assoc** 1984 Feb;82(2):62–3

Malignant Warthin's tumor: case report. Reyes CV. **Milit Med** 1983 Dec;148(12):942–3

CT scanning and aspiration cytology in the management of parotid lesions. Ljung BM, et al. **Rev Laryngol Otol Rhinol (Bord)** 1984;105(1):21–4

IMMUNOLOGY

Adenolymphoma: an immunohistochemical study with monoclonal antibodies against lymphocyte antigens. Caselitz J, et al. **J Oral Pathol** 1984 Aug;13(4):438–47

PATHOLOGY

Immunohistopathology of papillary cystadenoma lymphomatosum (Warthin's tumor). Foulsham CK 2d, et al. **Ann Clin Lab Sci** 1984 Jan-Feb;14(1):47–63

Sebaceous neoplasms of salivary gland origin. Report of 21 cases. Gnepp DR, et al. **Cancer** 1984 May 15;53(10):2155–70

Immunohistochemical characterization of cellular immunoglobulins and epithelial marker antigens in Warthin's tumor. Korsrud FR, et al. **Hum Pathol** 1984 Apr; 15(4):361–7

Stereologic analysis of the lymphoid stroma in parotid adenolymphoma. Nikai H, et al. **J Oral Pathol** 1984 Jun; 13(3):295–302

[Oncocyte cells in salivary tumors: frequency, histoenzymological and ultrastructural characteristics] Chomette G, et al. **J Biol Buccale** 1983 Sep;11(3):243–53 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

CT scanning of tumors in or near the parotid or submandibular glands. A comparison with conventional sialography. Mooyaart EL, et al. **Diagn Imag Clin Med** 1984;53(4):177–81

The delayed C.T. sialogram. Rosen LM, et al. **Rev Laryngol Otol Rhinol (Bord)** 1984;105(1):19–20

RADIONUCLIDE IMAGING

Warthin's tumor of the submandibular salivary gland: diagnosis by pertechnetate scan. Rivkind AI, et al. **Isr J Med Sci** 1984 Feb;20(2):155–7

ULTRASTRUCTURE

Malignant Warthin's tumour: an ultrastructural study. Brown LJ, et al. **J Clin Pathol** 1984 Feb;37(2):170–5

Mast cells in cystadenolymphomas. Caselitz J, et al. **Klin Wochenschr** 1984 Mar 15;62(6):284–6

ADENOMA

Bronchial carcinoid and parathyroid adenoma [letter] Martinez-Vazquez JM, et al. **Ann Intern Med** 1984 Jun; 100(6):916–7

Mucoepidermoid tracheal adenoma during pregnancy. Dieter RA Jr, et al. **Int Surg** 1983 Jul–Sep;68(3):271–2

Neonatal tetany secondary to maternal parathyroid adenoma: a case report. Wilber DL, et al. **J Okla State Med Assoc** 1984 Mar;77(3):90–1

[Pituitary micro-adenomas] Berney J. **Schweiz Rundsch Med Prax** 1984 Mar 13;73(11):333–4 **(Fre)**

[Rare palatal location of pleiomorphic adenoma in childhood. Anatomoclinical considerations] Guarino M, et al. **Minerva Pediatr** 1983 Aug 31;35(15–16):797–801 (Eng. Abstr.) **(Ita)**

ANALYSIS

TSH-containing pituitary adenoma associated with primary hypothyroidism manifested by amenorrhoea and galactorrhoea. Wajchenberg BL, et al. **Acta Endocrinol (Copenh)** 1984 May;106(1):61–6

Immunoelectron microscopic localization of thyroglobulin in human follicular adenoma. Nakayama I, et al. **Acta Pathol Jpn** 1983 Nov;33(6):1139–50

Immunocytochemical growth hormone and prolactin in pituitary adenomas causing acromegaly and their relationship to basal serum hormone levels and the growth response to thyrotrophin releasing hormone. Nieuwenhuijzen Kruseman AC, et al. **Clin Endocrinol (Oxf)** 1983 Jul;19(1):1–8

DNA cytometry on four-micrometer sections of paraffin-embedded human renal adenocarcinomas and adenomas. Bennington JL, et al. **Cytometry** 1983 Jul; 4(1):31–9

Dopaminergic binding sites in human pituitary adenomas other than prolactinomas. Serri O, et al. **Horm Res** 1984; 19(2):97–102

Pituitary adenomas in acromegalic patients: an immunohistochemical and endocrinological study with special reference to prolactin-secreting adenoma. Kanie N, et al. **J Clin Endocrinol Metab** 1983 Dec;57(6):1093–101

gamma-trace in human pituitary adenomas. Löfberg H, et al. **J Clin Endocrinol Metab** 1984 Jul;59(1):113–8

A human beta-endorphin pituitary adenoma. Trouillas J, et al. **J Clin Endocrinol Metab** 1984 Feb;58(2):242–9

Immunocytochemical evidence for the presence of gamma 1-MSH-like immunoreactivity in pituitary corticotrophs and ACTH-producing tumours. Ali-Rachedi A, et al. **Neuroendocrinology** 1983 Dec;37(6):427–33

Prostatic weight and zinc concentration. Tisell LE, et al. **Prog Clin Biol Res** 1984;145:333–44 (25 ref.)

[Localization of type I, III, IV collagen and fibronectin in benign tumors and epitheliomas of the human breast] Pagès A, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1984; 13(1):35–40 (Eng. Abstr.) **(Fre)**

[Supplementary notes on behaviors of non-epidermal cells in Pringle disease (IV)—changes in DNA contents of the cells analyzed by flow cytofluorometry (II)] Ishibashi Y, et al. **Nippon Hifuka Gakkai Zasshi** 1983 Jul;93(8):819–26 **(Jpn)**

[Abnormal receptors in parathyroid hormone-secreting tumors] Fujita T. **Nippon Rinsho** 1983 Jun;41(6):1270–4 **(Jpn)**

[Heterogeneity of pituitary hormones] Orimo H. **Nippon Rinsho** 1983 Jun;41(6):1247–51 **(Jpn)**

[Abnormal hormone receptors in functional pituitary adenoma] Takeda R, et al. **Nippon Rinsho** 1983 Jun; 41(6):1259–63 **(Jpn)**

BLOOD

Hyperprolactinemia, amenorrhea, and galactorrhea. A retrospective assessment of twenty-five cases. Koppelman MC, et al. **Ann Intern Med** 1984 Jan;100(1):115–21

Plasma cortisol and primary aldosteronism [letter] Lardinois CK, et al. **Ann Intern Med** 1984 Jun;100(6):917–8

Development of pituitary adenoma in women with hyperprolactinaemia: clinical, endocrine, and radiological characteristics. Pontiroli AE, et al. **Br Med J [Clin Res]** 1984 Feb 18;288(6416):515–8

Metergoline and bromocriptine in the management of tumoral and idiopathic hyperprolactinemia. Falsetti L, et al. **Horm Metab Res** 1983 Aug;15(8):380–4

Adrenal adenoma with 18-hydroxycorticosterone excess and hypertension: a variant of aldosteronomas. Kigoshi T, et al. **Horm Res** 1984;19(4):224–31

Somatotropin secretion in hyperprolactinemia. Gorgoshidze BV, et al. **Neurosci Behav Physiol** 1983 Mar–Apr; 13(2):146–9

[Carcinoembryonic antigen in cancer of the rectum and colon] Prorokov VV, et al. **Klin Med (Mosk)** 1983 Jul; 61(7):86–9 **(Rus)**

CEREBROSPINAL FLUID

Adenohypophyseal hormone levels in the cerebrospinal fluid of patients with pituitary disease. Dogliotti L, et al. **J Endocrinol Invest** 1983 Dec;6(6):435–40

[Pituitary apoplexy with hemiparesis and pleocytosis. Case report] Yamada N, et al. **Neurol Med Chir (Tokyo)** 1983 Apr;23(4):289–94 (Eng. Abstr.) **(Jpn)**

CHEMICALLY INDUCED

Hepatic adenomata and androgen treatment [letter] Carrasco D, et al. **Ann Intern Med** 1984 Feb;100(2):316

Duodenal adenoma with atypia following oral administration of tegafur [letter] Johjima Y, et al. **Arch Surg** 1983 Dec; 118(12):1454

Tumorigenicity of arsenic trioxide to the lung in Syrian golden hamsters by intermittent instillations. Ishinishi N, et al. **Cancer Lett** 1983 Dec;21(2):141–7

Effect of 12-O-tetradecanoylphorbol-13-acetate on polyamine metabolism in mice sensitive and resistant to lung-adenoma. Bardócz S, et al. **Carcinogenesis** 1983 Oct; 4(10):1349–50

The development of hepatocellular tumours following aflatoxin B1 exposure of the partially hepatectomised mouse. Dix KM. **Carcinogenesis** 1984 Mar;5(3):385–90

High frequency, single-dose model of renal adenoma/carcinoma induction using dimethylnitrosamine in Crl:(W)BR rats. Hard GC. **Carcinogenesis** 1984 Aug; 5(8):1047–50

Effect of propylthiouracil on the thyroid tumorigenesis induced by N-bis(2-hydroxypropyl)nitrosamine in rats. Kitahori Y, et al. **Carcinogenesis** 1984 May;5(5):657–60

Exclusion of cellular iron and reduced gamma-glutamyl transpeptidase activity in rat pancreas acinar cell hyperplastic nodules and adenomas induced by azaserine. Mori H, et al. **Gann** 1983 Aug;74(4):497–501

Rupture of multiple hepatic adenoma and oral contraceptive use: a case report. Nuzzo G, et al. **Ital J Surg Sci** 1983; 13(4):303–6

Oral contraceptives, pregnancy, and focal nodular hyperplasia of the liver. Scott LD, et al. **JAMA** 1984 Mar 16;251(11):1461–3

Carcinogenicity of potassium bromate administered orally to F344 rats. Kurokawa Y, et al. **JNCI** 1983 Nov;71(5):965–72

Modification of pancreatic carcinogenesis in the hamster model. XV. Preventive effect of nicotinamide. Pour PM, et al. **JNCI** 1984 Sep;73(3):767–70

Sequential histopathologic analysis of alpha-hexachlorocyclohexane-induced hepatic megalocytosis and adenoma formation in the HPB mouse. Tryphonas L, et al. **JNCI** 1983 Dec;71(6):1307–18

Rat pituitary adenoma and hyperplasia induced by caffeine administration. Yamagami T, et al. **Surg Neurol** 1983 Oct; 20(4):323–31

Oral contraceptives and benign tumors of the liver. Fitz JG. **West J Med** 1984 Feb;140(2):260–7

[Lung metastasis in diethylstilbestrol-induced vaginal cancer] Lanser K, et al. **Prax Klin Pneumol** 1984 Apr;38(4):126–8 (Eng. Abstr.) **(Ger)**

[Focal nodular hyperplasia of great extent in the liver after taking oral contraceptives] Szécsény A, et al. **Orv Hetil** 1984 Mar 18;125(12):687–91 (Eng. Abstr.) **(Hun)**

[A histochemical study of dopaminergic neurons in estradiol-induced pituitary adenoma] Aoki M. **Nippon Geka Hokan** 1983 Sep 1;52(5):655–9 (Eng. Abstr.) **(Jpn)**

[Strain differences in susceptibility of rat colon to 1,2-dimethyl-hydrazine] Kamiya J, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Sep;80(9):1731–4 (Eng. Abstr.) **(Jpn)**

[MNNG-induced gastrointestinal tumors in rats of different ages] Sherenesheva NI. **Vopr Onkol** 1983;29(11):86–92 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

[Experience with the clinical use of the WHO international histological classification of salivary gland tumors] Bembeev VB, et al. **Stomatologiia (Mosk)** 1984 Mar–Apr; 63(2):50–1 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Primary hyperparathyroidism due to an oxyphil cell adenoma. Rodriguez FH Jr, et al. **Am J Clin Pathol** 1983 Dec;80(6):878–80

Minimal-change lesion nephrotic syndrome with renal oncocytoma. Forland M, et al. **Am J Med** 1983 Oct; 75(4):715–20

Management of asymptomatic hyperparathyroidism. Gaz RD, et al. **Am J Surg** 1984 Apr;147(4):498–502

Hypercalcemic crisis due to unsuspected parathyroid adenoma in a patient with advanced breast carcinoma. Hans SS, et al. **Am Surg** 1984 Apr;50(4):230–2

Severe neurological disease associated with hyperparathyroidism. Patten BM, et al. **Ann Neurol** 1984 May;15(5):453–6

Villous adenoma of the duodenum producing intussusception [letter] Orenstein HH, et al. **Arch Surg** 1984 Apr;119(4):487

Pancreatitis associated with parathyroid adenoma in childhood. Rogers PN, et al. **Br J Surg** 1984 Jan;71(1):38

Prolonged fever associated with primary hyperparathyroidism. Ricci J, et al. **Can Med Assoc J** 1984 Sep 1;131(5):459–60

Chronobiological aspects of headache syndromes due to sellar or pituitary pathology. Bossolo P, et al. **Cephalalgia** 1983 Aug;3 Suppl 1:117–21

Parathyroid adenoma. Haar JG, et al. **Ear Nose Throat J** 1983 Nov;62(11):614–5

Long-standing recurrent paroxysmal supraventricular tachycardia disappearing after cystic degeneration of an episodically hypersecreting toxic adenoma of the thyroid. Benvenga S, et al. **G Ital Cardiol** 1984 May;14(5):337–40

Pseudo-precocious puberty in a young boy due to interstitial cell adenomas of the testis. Rosenberg T, et al. **Helv Paediatr Acta** 1984 Mar;39(1):79–87

Simultaneous occurrence of hepatic adenoma and focal nodular hyperplasia: report of a case and review of the literature. Friedman LS, et al. **Hepatology** 1984 May-Jun; 4(3):536–40

ACTH-producing pituitary adenoma in an infant with cysts of the kidneys and lungs. Pullins DI, et al. **Histopathology** 1984 Jan;8(1):157–63

Questioning the cause and effect relationship between parathyroid adenoma and duodenal ulcer. Ovnat A, et al. **Isr J Med Sci** 1983 Sep;19(9):855–7

Atypical clinical presentation of oculomotor (III) nerve palsy. Bixenman WW. **J Clin Neuro Ophthalmol** 1982 Dec; 2(4):249–58

Primary tumorous aldosteronism due to a black adrenal adenoma: a light and electron microscopic study. Sienkowski IK, et al. **J Clin Pathol** 1984 Feb;37(2):143–9

Cushing's disease and marked hyperprolactinemia in a patient with a pituitary macroadenoma: effectiveness of bromocriptine treatment. Verde G, et al. **J Endocrinol Invest** 1984 Feb;7(1):51–4

Papilloedema with extramedullary erythropoiesis and Cushing's syndrome [letter] Griffith DN, et al. **J Neurol Neurosurg Psychiatry** 1984 Jul;47(7):752–3

Dermatomyositis and salivary pleomorphic adenoma. Holden CA, et al. **J R Soc Med** 1983 Sep;76(9):787–8

Refractory hypercalcaemia. Parathyroid adenoma or multiple myeloma? Dalgleish AG, et al. **Med J Aust** 1984 Jan 21; 140(2):99–100

Evaluation of a test using saralasin to differentiate primary aldosteronism due to an aldosterone-producing adenoma from idiopathic hyperaldosteronism. Brown RD, et al. **Metabolism** 1984 Aug;33(8):734–8

Albright's syndrome with reactivation of fibrous dysplasia secondary to pituitary adenoma and further complicated by osteogenic sarcoma. Report of a case. Hall MB, et al. **Oral Surg** 1984 Jun;57(6):616–9

'Essential' hypertension with hypokalemia. Caused by aldosterone-secreting adrenal adenoma. Burke M, et al. **Postgrad Med** 1984 Aug;76(2):173, 176–8

Renovascular hypertension associated with bilateral aldosteronoma. Vircburger MI, et al. **Postgrad Med J** 1984 Aug;60(706):533–6

Chondrocalcinosis in primary hyperparathyroidism. Influence of parathyroid activity and age. McGill PE, et al. **Scand J Rheumatol** 1984;13(1):56–8

Neurofibromatosis and primary hyperparathyroidism. Freimanis MG, et al. **South Med J** 1984 Jun;77(6):794–5

Hemorrhage into pituitary adenomas. Kaplan B, et al. **Surg Neurol** 1983 Oct;20(4):280–7

Peripheral blood steroid levels in Cushing syndrome due to adrenocortical carcinoma or adenoma. Gabrilove JL, et al. **Urology** 1983 Dec;22(6):576–9

Conn's syndrome. Case report and a review of the syndrome of primary aldosteronism (SOPA). Grell GA, et al. **West Indian Med J** 1984 Mar;33(1):48–54

[Malacoplakia in a rectal adenocarcinoma. Review of the literature. Apropos of a case] Elie H, et al. **Ann Pathol** 1983 Dec;3(4):333–6 (35 ref.) (Eng. Abstr.) **(Fre)**

[Pathogenesis of primary hyperparathyroidism] Dietel M, et al. **Dtsch Med Wochenschr** 1983 Oct 28;108(43):1648–53 (47 ref.) **(Ger)**

[Clinico-diagnostic considerations on a case of primary hyperparathyroidism] Maniscalco L, et al. **Chir Patol Sper** 1982 Aug;30(4):138–42 (Eng. Abstr.) **(Ita)**

[Primary hyperparathyroidism caused by adenoma (5 case reports)] Sarlo O, et al. **Riv Med Aeronaut Spaz** 1982 Jan–Dec;47(1–4):131–42 (Eng. Abstr.) **(Ita)**

[Evaluations of vision recovery after removal of pituitary adenomas via the transsphenoidal approach] Scarda G, et al. **Riv Neurol** 1983 May-Jun;53(3):200–11 (Eng. Abstr.) **(Ita)**

[A case of mediastinal parathyroid adenoma with primary hyperparathyroidism] Itoh N, et al. **Hinyokika Kiyo** 1984 Jan;30(1):59–64 (Eng. Abstr.) **(Jpn)**

[Adenoma or adenomatous goiter with the clinical symptoms

of hyperthyroidism] Hirosawa H, et al. **Horumon To Rinsho** 1983 Jun;31 Suppl:95–8 **(Jpn)**

[Adenomatous goiter associated with thyroid cancer] Kobayashi A, et al. **Horumon To Rinsho** 1983 Jul; 31(7):611–3 **(Jpn)**

[Cushing's disease] Kuwayama A, et al. **Horumon To Rinsho** 1984 Jan;32(1):21–5 **(Jpn)**

[Calcification in pituitary adenomas] Kato T, et al. **Neurol Med Chir (Tokyo)** 1983 Aug;23(8):633–7 (Eng. Abstr.) **(Jpn)**

[Primary aldosteronism caused by multiple adrenal gland adenoma] Ogawa K, et al. **Nippon Rinsho** 1983 Aug; 41(8):1948–57 **(Jpn)**

[Cushing's disease caused by adrenocortical nodular hyperplasia—diagnosis and surgical treatment] Miura M, et al. **No Shinkei Geka** 1984 May;12(6):689–96 (Eng. Abstr.) **(Jpn)**

[Atelectasis associated with bronchial adenoma and postoperative lobar torsion] **Rinsho Hoshasen** 1984 Feb; 29(2):339–40 **(Jpn)**

[Insomnia in patients with pituitary adenomas] Tomono Y, et al. **Rinsho Shinkeigaku** 1983 Aug;23(8):689–93 (Eng. Abstr.) **(Jpn)**

[Therapeutic errors in the hyperprolactinic syndrome] Găleşanu C, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Oct–Dec;87(4):641–4 (39 ref.) (Eng. Abstr.) **(Rum)**

[Parlodel treatment of endocrine infertility in women] Ovsiannikova TV, et al. **Akush Ginekol (Mosk)** 1984 May; (5):17–9 (Eng. Abstr.) **(Rus)**

[Associated pituitary and adrenal adenomas in a patient with Cushing's syndrome] Zarubina NA, et al. **Probl Endokrinol (Mosk)** 1984 Jan–Feb;30(1):26–7 **(Rus)**

[Diagnosis and treatment of coral–like nephrolithiais of hyperparathyroid etiology] Ianenko EK, et al. **Urol Nefrol (Mosk)** 1984 Mar–Apr;(2):24–30 (Eng. Abstr.) **(Rus)**

[Renal form of primary hyperparathyroidism as a cause of coral–like kidney stones] Voino–Iasenetskii AM, et al. **Urol Nefrol (Mosk)** 1984 Mar–Apr;(2):34–6 (Eng. Abstr.) **(Rus)**

[Primary hyperparathyroidism in childhood: apropos of a new case] Puig De La Capilla I, et al. **An Esp Pediatr** 1984 Feb 15;20(2):153–8 (Eng. Abstr.) **(Spa)**

[Ceruminoma of the middle ear] Pérez–Garrigues H, et al. **An Otorrinolaringol Ibero Am** 1983;10(6):555–62 (Eng. Abstr.) **(Spa)**

[Adrenal Cushing's syndrome: clinico–pathologic review of 18 cases] Gómez–Huelgas R, et al. **Rev Clin Esp** 1984 Feb 29;172(4):211–7 (Eng. Abstr.) **(Spa)**

[Toxic thyroid adenoma associated with undifferentiated thyroid carcinoma] Jara–Albarrán A, et al. **Rev Clin Esp** 1983 Jul 15–31;170(1–2):69–70 **(Spa)**

[Acute hyperparathyroidism. Report of 2 new cases] Pérez Barba C, et al. **Rev Clin Esp** 1983 Oct 15;171(1):41–5 (Eng. Abstr.) **(Spa)**

CONGENITAL

[Hydrops universalis and respiratory distress due to congenital lung tumor] Dadak C, et al. **Zentralbl Gynakol** 1984;106(1):55–9 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Ultrasound scanning for preoperative location of parathyroid tumours. Rastad J, et al. **Acta Chir Scand** 1984; 150(3):199–204

Tyrosine crystals in fine needle aspirates of a pleomorphic adenoma of the parotid gland. Bottles K, et al. **Acta Cytol (Baltimore)** 1984 Jul–Aug;28(4):490–2

Basal–cell adenoma of parotid. Difficulty of differentiation from adenoid cystic carcinoma on aspiration biopsy. Hood IC, et al. **Acta Cytol (Baltimore)** 1983 Sep–Oct;27(5):515–20

Preoperative localization of the adrenal adenoma in Conns syndrome. Lund JO, et al. **Acta Med Scand [Suppl]** 1983; 677:26–9

Use of cell culture to identify human precancer. Lyko HC, et al. **Adv Exp Med Biol** 1984;172:471–88

MR imaging of pituitary adenomas using a prototype resistive magnet: preliminary assessment. Oot R, et al. **AJNR** 1984 Mar–Apr;5(2):131–7

Medical pathology conference. Middle–aged woman with recalcitrant hypercalcemia. Garcia JH, et al. **Ala J Med Sci** 1984 Jan;21(1):40–8

Hypophyseal metastatic renal cell carcinoma and pituitary adenoma. Case report and review of the literature. James RL Jr, et al. **Am J Med** 1984 Feb;76(2):337–40

Occult Cushing's disease presenting with acute psychosis. Saad MF, et al. **Am J Med** 1984 Apr;76(4):759–66

Villous adenoma of the duodenum. Newman DH, et al. **Am Surg** 1984 Jan;50(1):26–8

Hyperparathyroidism in the old age. Tibblin S, et al. **Ann Chir Gynaecol** 1983;72(3):135–8

Preoperative localization of enlarged parathyroid glands. Mäkäräinen H, et al. **Ann Clin Res** 1984;16 Suppl 40:51–4

Benign pleomorphic adenomas in children. Malone B, et al. **Ann Otol Rhinol Laryngol** 1984 May–Jun;93(3 Pt 1):210–4

Colorectal cancer. Risk factors and screening strategies. Moore JR, et al. **Arch Intern Med** 1984 Sep;144(9):1819–23

Primary adenomatous neoplasm of the middle ear. Myer CM 3d, et al. **Arch Otolaryngol** 1984 Apr;110(4):274–6

Membranous basal cell adenoma of the hypopharynx. Triest WE, et al. **Arch Otolaryngol** 1983 Nov;109(11):774–7

Primary aldosteronism. Clinical management. Grant CS, et al. **Arch Surg** 1984 May;119(5):585–90

Renal oncocytoma: case report. Vázquez de Corral L, et al. **Bol Asoc Med PR** 1984 Jan;76(1):20–2

Rhinorrhoea as the presenting symptom of pituitary adenoma. Bilo HJ, et al. **Clin Neurol Neurosurg** 1984;86(1):47–9

Pituitary adenomas: diagnostic and therapeutic considerations. Walton J. **Compr Ther** 1984 Apr;10(4):66–75 (15 ref.)

A great Brunner's gland adenoma of the duodenal bulb. Nakanishi T, et al. **Dig Dis Sci** 1984 Jan;29(1):81–5

Salivary gland neoplasms. Ellis GL. **Ear Nose Throat J** 1984 Aug;63(8):358–69

Female pseudo–hermaphroditism due to an adrenal tumour in the mother. van de Kamp JJ, et al. **Eur J Pediatr** 1984 Jun;142(2):140–2

Adenolipoma of the liver. A unique case with ultrasound and CT patterns. Kurdziel JC, et al. **Eur J Radiol** 1984 Feb;4(1):45–6

Nephrogenic adenoma of the bladder in children. de Jong EA, et al. **Eur Urol** 1984;10(3):187–90

Renal oncocytoma: review of literature and report of six cases. Talja M, et al. **Eur Urol** 1984;10(2):107–13 (26 ref.)

Parathyroid adenoma in a child. Schächter P, et al. **Isr J Med Sci** 1984 Jan;20(1):71–3

Primary adenocarcinoma of the duodenum arising from villous adenoma. Hsueh YS, et al. **J Indiana State Med Assoc** 1983 Nov;76(11):770–2

Emergencies in endocrine surgery. Scott HW Jr. **J Ky Med Assoc** 1983 Nov;81(11):825–30

Case of the month. Thyroid nodule. Müeller HW, et al. **J Ultrasound Med** 1984 Jul;3(7):R77, R84

Pituitary tumor initially seen as serous otitis media. Piziak VK, et al. **JAMA** 1984 Jun 15;251(23):3131–2

Sialadenoma papilliferum of the parotid gland. Grushka M, et al. **Laryngoscope** 1984 Feb;94(2 Pt 1):231–3

The corticotropin–releasing factor stimulation test. An aid in the evaluation of patients with Cushing's syndrome. Chrousos GP, et al. **N Engl J Med** 1984 Mar 8; 310(10):622–6

Corticotropin–releasing factor stimulation test [letter] Elias AN, et al. **N Engl J Med** 1984 Aug 16;311(7):471–3

Hyperprolactinemia: comparison of thyrotropic–releasing hormone and tomography. Shangold GA, et al. **Obstet Gynecol** 1984 Jun;63(6):771–5

Pituitary tumors and the ophthalmologist. Anderson D, et al. **Ophthalmology** 1983 Nov;90(11):1265–70

Preoperative ultrasonographic diagnosis of a parathyroid adenoma in a child. Rodríguez–Cueto G, et al. **Pediatr Radiol** 1984;14(1):47–8

Thyroid nodules: sonographic–pathologic correlation. Katz JF, et al. **Radiology** 1984 Jun;151(3):741–5

Ultrasonography in the localization of parathyroid adenomas. Bennett JM, et al. **S Afr Med J** 1983 Nov 26;64(23):899–900

Tumours of accessory parotid glands. Case reports. Richards AT, et al. **S Afr Med J** 1984 Jun 16;65(24):971–2

Five cases of parathyroid lipohyperplasia. Straus FH 2d, et al. **Surgery** 1983 Dec;94(6):901–5

Diagnosis of human tumors. Case 3: Renal oncocytoma. Murphy F, et al. **Ultrastruct Pathol** 1983 Dec;5(4):235–9

Urinary kallikrein excretion in patients with primary aldosteronism: differentiation of adrenal adenoma from idiopathic adrenal hyperplasia. Nakada T. **Urol Int** 1984; 39(1):40–5

Renal oncocytoma associated with diffuse lymphoma. Shah I, et al. **Urology** 1983 Sep;22(3):314–7

[Primary aldosteronism: a comparison between adenoma and hyperplasia] Xu FJ. **Chung Hua Wai Ko Tsa Chih** 1983 Sep;21(9):517–20 (Eng. Abstr.) **(Chi)**

[Renal oncocytoma] Talja M, et al. **Duodecim** 1984; 100(9):540–9 (Eng. Abstr.) **(Fin)**

[Diagnostic value of the determination of nephrogenic cyclic AMP, and the value of cervical echography for localization in primary hyperparathyroidism. 13 cases] Bentata–Pessayre M, et al. **Ann Med Interne (Paris)** 1984; 135(1):7–11 (Eng. Abstr.) **(Fre)**

[A new diagnostic test for primary tumoral hyperaldosteronism] Thibonnier M, et al. **Ann Med Interne (Paris)** 1983;134(3):188–94 (Eng. Abstr.) **(Fre)**

[Nonfunctional or nonsecreting hypophyseal adenomas. Review of clinical, biological, neuroradiological, developmental and immunohistochemical characteristics. Apropos of 40 cases] Turpin G, et al. **Ann Med Interne (Paris)** 1983;134(6):520–4 (Eng. Abstr.) **(Fre)**

[Parathyroid adenoma in children. A new case] Taieb B, et al. **Arch Fr Pediatr** 1983 Dec;40(10):793–4 (Eng. Abstr.) **(Fre)**

[Real–time echography of the parathyroid glands] Cornud F, et al. **J Radiol** 1983 Oct;64(10):545–50 (Eng. Abstr.) **(Fre)**

[Parathyroid adenoma disclosed by a massive subcapsular hemorrhage] Bacourt F, et al. **Presse Med** 1984 Mar 17; 13(11):669–70 (Eng. Abstr.) **(Fre)**

[Association of malignant adrenal cortex neoplasm and parathyroid adenoma (letter)] Lorcy Y, et al. **Presse Med** 1984 Feb 4;13(4):223 **(Fre)**

[Echographic diagnosis and localization of parathyroid gland adenomas] Maier W. **Computertomographie** 1981 Apr; 1(1):28–32 (Eng. Abstr.) **(Ger)**

[Value of sonography in the diagnosis of decompensated autonomous thyroid adenoma] Maier W, et al. **Computertomographie** 1981 Jun;1(2):59–61 (Eng. Abstr.) **(Ger)**

[Sonographic localization of parathyroid adenomas in hyperparathyroidism] Utech C, et al. **Dtsch Med Wochenschr** 1984 Jul 13;109(28–29):1108–11 (Eng. Abstr.) **(Ger)**

[Diagnostic procedures in thyroid gland enlargement] Pickardt CR. **Internist (Berlin)** 1983 Aug;24(8):442–6 **(Ger)**

[Differential diagnosis at the bedside. Atypical bronchial adenoma] Blaha H, et al. **MMW** 1984 Mar 2;126(9):133–4 **(Ger)**

[Differential diagnosis at the bedside. Blood in the stool—a diagnostic induction] Kuntz HD. **MMW** 1983 Jul 22; 125(29–30):57 **(Ger)**

[Diagnosis, clinical aspects and therapy of bronchial adenoma with endoscopic examples] Gatzemeier U. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:856–8 (Eng. Abstr.) **(Ger)**

[Rare computed tomographic and sonographic findings in epithelial body tumors. Report on 2 cases] König R, et al. **ROFO** 1984 Mar;140(3):303–7 (Eng. Abstr.) **(Ger)**

[Localization of adenomas of the large intestine. Importance for a screening program] Di Curzio B, et al. **Minerva Dietol Gastroenterol** 1983 Jul–Sep;29(3):267–72 (Eng. Abstr.) **(Ita)**

[Renal adenomas. Clinical and prognostic aspects] Sacchettoni–Logroscino G, et al. **Pathologica** 1983 Nov–Dec;75(1040):847–60 (Eng. Abstr.) **(Ita)**

[Usefulness of blood thyroglobulin determination in patients with thyroid cancer] Ikekubo K, et al. **Kaku Igaku** 1983 Apr;20(3):313–9 (Eng. Abstr.) **(Jpn)**

[Case of intrathymic parathyroid tumor falsely diagnosed as diabetes insipidus] Hiramatsu K, et al. **Nippon Naika Gakkai Zasshi** 1983 May 10;72(5):624–8 **(Jpn)**

[Diagnosis of hormone–secreting pituitary tumors] Demura H, et al. **Nippon Rinsho** 1983 Jun;41(6):1190–6 **(Jpn)**

[Autonomously functioning thyroid nodule and its diagnostic problems] Ito K, et al. **Nippon Rinsho** 1983 Jun; 41(6):1197–202 **(Jpn)**

[Diagnosis of aldosterone–secreting tumors] Ojima M, et al. **Nippon Rinsho** 1983 Jun;41(6):1210–6 **(Jpn)**

[Diagnosis of hormone–secreting adrenal tumors other than aldosterone–secreting tumors] Saruta T, et al. **Nippon Rinsho** 1983 Jun;41(6):1217–22 **(Jpn)**

[Oncocytoma of the kidney] Hanecki R, et al. **Nowotwory** 1984 Jan–Mar;34(1):89–94 (Eng. Abstr.) **(Pol)**

[A case of lateral aberrant thyroid adenoma] Bartnik W. **Otolaryngol Pol** 1984;38(1):75–9 (Eng. Abstr.) **(Pol)**

[Early diagnosis of pituitary adenoma] Bonicki W, et al. **Pol Tyg Lek** 1983 May 2;38(18):571–4 (26 ref.) **(Pol)**

[The relation between adenomatous gastric polyp and gastric cancer. Problems of diagnosis and treatment] Funariu G, et al. **Rev Chir [Chir]** 1983 Sep–Oct;32(5):371–6 (Eng. Abstr.) **(Rum)**

[Clinical features of precancerous processes in the endometrium] Oleĭnik VI. **Akush Ginekol (Mosk)** 1983 Sep; (9):63–4 (9 ref.) (Eng. Abstr.) **(Rus)**

[Endobronchial hamartoma simulating a bronchial adenoma] Levchenko AM, et al. **Klin Khir** 1984 May;(5):47 **(Rus)**

[Comprehensive radiodiagnosis of toxic adenomas of the thyroid] Filatov AA, et al. **Med Radiol (Mosk)** 1984 May; 29(5):32–6 (Eng. Abstr.) **(Rus)**

[Diagnosis of oncologic diseases of the respiratory organs in patients in tuberculosis hospitals] Topchiev ShR, et al. **Probl Tuberk** 1983 Dec;(12):20–3 (Eng. Abstr.) **(Rus)**

[Clinico–morphological characteristics of marginal epithelial ovarian tumors] Vinokurov VL, et al. **Vopr Onkol** 1983; 29(9):73–8 (Eng. Abstr.) **(Rus)**

[Renal oncocytoma] Franco Miranda E, et al. **Actas Urol Esp** 1983 Nov–Dec;7(6):459–64 (Eng. Abstr.) **(Spa)**

[Postoperative control of transurethral resection of prostatic adenomas by ultrasound] Mayayo T, et al. **Actas Urol Esp** 1983 Sep–Oct;7(5):347–54 (Eng. Abstr.) **(Spa)**

[Puncture and fine–needle aspiration in thyroid nodules] Galofré JC, et al. **Med Clin (Barc)** 1983 May 21; 80(18):786–7 (Eng. Abstr.) **(Spa)**

[Hyperactive thyroid and parathyroid adenomas: simultaneous presentation in the same patient] Lucas Martín AM, et al. **Med Clin (Barc)** 1983 Nov 26;81(17):763–5 (Eng. Abstr.) **(Spa)**

[Value of ultrasonography in the preoperative localization of parathyroid adenomas] Moreno Esteban B, et al. **Rev Clin Esp** 1984 Mar 31;172(6):325–7 (Eng. Abstr.) **(Spa)**

[Current problems in the differential diagnosis of hyperprolactinemia] Salvador J, et al. **Rev Med Univ Navarra** 1983 Sep;27(3):11–8 **(Spa)**

DRUG THERAPY

Failure of valproic acid to inhibit the growth of an ACTH–secreting pituitary adenoma. Gwinup G, et al. **Acta Endocrinol (Copenh)** 1984 Apr;105(4):449–54

Interactions between thioridazine and bromocriptine in a patient with a prolactin–secreting pituitary adenoma. Robbins RJ, et al. **Am J Med** 1984 May;76(5):921–3

Bromocriptine treatment of pituitary adenomas. Evaluation of withdrawal effect. Coculescu M, et al.

Endocrinologie 1983 Jul-Sep;21(3):157-68

Reversible 'hypopituitarism' and disappearance of microadenoma in a prolactinoma patient treated with bromocriptine. Ayers JW. **Fertil Steril** 1983 Dec; 40(6):846-8

Antiproliferative properties of bromocryptine (CB-154) on human cells: a further rationale for medical management of pituitary macroadenomas. Giampietro O, et al. **Int J Clin Pharmacol Res** 1983;3(4):279-85

Bromocriptine treatment reduces the cell size in human macroprolactinomas: a morphometric study. Bassetti M, et al. **J Clin Endocrinol Metab** 1984 Feb;58(2):268-73

Perivascular fibrosis in prolactinomas: is it increased by bromocriptine? Landolt AM, et al. **J Clin Endocrinol Metab** 1984 Jun;58(6):1179-83

Dopaminergic treatment of acromegaly: different effects on hormone secretion and tumor size. Oppizzi G, et al. **J Clin Endocrinol Metab** 1984 Jun;58(6):988-92

Pituitary adenomas. An update on their management with an emphasis on the role of bromocriptine. Barrow DL, et al. **J Clin Neuro Ophthalmol** 1983 Dec;3(4):229-37 (37 ref.)

In vitro responses of aldosterone-producing adenomas to angiotensin II and ACTH after treatment with spironolactone before adrenalectomy. Wisgerhof M. **J Lab Clin Med** 1984 Aug;104(2):160-5

Clinical and pathological effects of bromocriptine on prolactin-secreting and other pituitary tumors. Barrow DL, et al. **J Neurosurg** 1984 Jan;60(1):1-7

Injectable bromocriptine to treat acute, oestrogen-induced swelling of invasive prolactinoma [letter] Landolt AM, et al. **Lancet** 1984 Jul 14;2(8394):111

Pregnancy after bromocriptine-induced reduction of an extrasellar prolactin-secreting pituitary macroadenoma. Goodman LA, et al. **Obstet Gynecol** 1984 Sep;64(3 Suppl):2S-7S

Long-term follow-up of patients with hyperparathyroidism treated by transcatheter staining with contrast agent. Geelhoed GW, et al. **Surgery** 1983 Dec;94(6):849-62

[It has become possible to make hypophyseal adenomas regress by medical treatment] Strauch G, et al. **Sem Hop Paris** 1983 Oct 20;59(37-38):2640-1 **(Fre)**

[Regression of adenomas in Gardner's syndrome induced by systemic chemotherapy] Saeki Y, et al. **Gan No Rinsho** 1984 Jun;30(7):849-54 (Eng. Abstr.) **(Jpn)**

[Size reduction of a nonfunctioning pituitary adenoma after bromocriptine therapy: case report] Takahashi T, et al. **No Shinkei Geka** 1984 Jan;12(1):71-80 (Eng. Abstr.) **(Jpn)**

[Pneumocephalus induced by bromocriptine treatment in male prolactinoma--a case report] Teramoto A, et al. **No Shinkei Geka** 1983 Dec;11(12):1305-10 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

Immunohistochemical localization of neuron-specific enolase in the human hypophysis and pituitary adenomas. Asa SL, et al. **Arch Pathol Lab Med** 1984 Jan;108(1):40-3

Enzyme histo-cytochemical studies in human adrenocortical adenomas. [II] Cushing's syndrome. Murakoshi M, et al. **Tokai J Exp Clin Med** 1983 Jul;8(3):293-300

Enzyme histocytochemical studies in human adrenocortical adenomas. [I]. Primary aldosteronism. Murakoshi M, et al. **Tokai J Exp Clin Med** 1983 May;8(2):155-66

ETIOLOGY

Hyperparathyroidism after neck irradiation for Hodgkin's disease. Karstrup S, et al. **Acta Med Scand** 1984; 215(3):287-8

Adenomas of the large intestine after cholecystectomy. Mannes AG, et al. **Gut** 1984 Aug;25(8):863-6

Nephrogenic adenoma of the bladder after kidney transplantation: spontaneous improvement with azathioprine removal; surgical trauma and cytomegalovirus infection as possible etiologic factors. Beaudry C, et al. **J Urol** 1983 Dec;130(6):1183-5

Effect of NaCl diet on jejunal carcinogenesis in mice given N-methyl-N'-nitro-N-nitrosoguanidine orally. Ohno Y, et al. **Sci Rep Res Inst Tohoku Univ [Med]** 1983 Dec; 30(1-4):23-8

[Hyperplasiogenic gastric polyps and stomach cancer. Endoscopic findings of early stomach cancer in 3 out of 42 biopsies of hyperplasiogenic polyps] Möckel W. **Fortschr Med** 1984 Jun 21;102(23):635-8 (Eng. Abstr.) **(Ger)**

[The incidence of cancer in 'solitary' cold nodules of the thyroid. Personal experience in 646 operated cases] Puglionisi A, et al. **Ann Ital Chir** 1983;55(2):115-20 (Eng. Abstr.) **(Ita)**

[Experimental study on effect of gallstones on induction of gallbladder carcinoma] Onizuka T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Apr;80(4):983-93 (Eng. Abstr.) **(Jpn)**

FAMILIAL & GENETIC

Absence of heteromorphism of chromosome 2 homologues in patients with hereditary adenomatosis of the colon and rectum. Kasukawa T, et al. **Cancer Genet Cytogenet** 1983 Nov;10(3):283-5

Torre's syndrome: report of two cases and review of the literature. Banse-Kupin L, et al. **J Am Acad Dermatol** 1984 May;10(5 Pt 1):803-17 (24 ref.)

[Recurrent familial hyperparathyroidism. A propos of 7 adenomas in 3 members of the same family. Review of the literature] Doury P, et al. **Sem Hop Paris** 1983 Dec 29;59(49):3427-30 (Eng. Abstr.) **(Fre)**

[Gastroduodenal adenomatous lesions in familial diffuse polyposis] Di Curzio B, et al. **Minerva Dietol Gastroenterol** 1984 Jan-Mar;30(1):49-53 (Eng. Abstr.) **(Ita)**

['Cancer family syndrome'--description of a family with a hereditary incidence of malignant tumors of the colon and other organs] Hasselgren PO, et al. **Lakartidningen** 1984 Jun 13;81(24):2451-3 **(Swe)**

IMMUNOLOGY

Localization of free secretory component in pleomorphic adenomas of minor salivary gland origin. Fantasia JE, et al. **Cancer** 1984 Apr 15;53(8):1786-9

Alteration of a membrane associated marker in transplantable rat pancreatic acinar cell carcinoma. Parsa I, et al. **Carcinogenesis** 1984 Jun;5(6):709-13

[Relationship between glycoprotein antigens appearing in colonic adenoma and colonic adenocarcinoma and those in human fetal colonic mucosa] Akahona Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Feb;81(2):194-200 (Eng. Abstr.) **(Jpn)**

METABOLISM

Nephrogenic adenoma and embryonic kidney tubules share PNA receptor sites. Devine P, et al. **Am J Clin Pathol** 1984 Jun;81(6):728-32

Pituitary adenomas. An immunohistochemical study of hormone production and chromogranin localization. DeStephano DB, et al. **Am J Pathol** 1984 Sep;116(3):464-72

Dopamine receptors in rat pituitary and estradiol-induced pituitary tumor: effect of chronic treatment with bromocriptine. Di Paolo T, et al. **Biochem Biophys Res Commun** 1984 Aug 30;123(1):312-6

Phospholipid-transfer activities in cytosols from lung, isolated alveolar type II cells and alveolar type II cell-derived adenomas. Pool GL, et al. **Biochem J** 1983 Dec 1;215(3):637-42

Potassium depletion and malignant transformation of villous adenomas of the colon and rectum. Davies RJ, et al. **Cancer** 1984 Mar 15;53(6):1260-4

Iodide organification defect in a cold thyroid nodule: absence of iodide effect on cyclic AMP accumulation. Demeester-Mirkine N, et al. **Clin Endocrinol (Oxf)** 1984 Apr;20(4):473-9

Expression of laminin in thyroid gland and thyroid tumors: an immunohistologic study. Miettinen M, et al. **Int J Cancer** 1984 Jul 15;34(1):27-30

Postoperative evaluation of dopaminergic tone in prolactinoma patients. II. Plasma thyrotropin response to metoclopramide. De Marinis L, et al. **J Clin Endocrinol Metab** 1984 Mar;58(3):405-9

A pituitary tumor producing high molecular weight adrenocorticotropin-related peptides: clinical and cell culture studies. Fuller PJ, et al. **J Clin Endocrinol Metab** 1984 Jan;58(1):134-42

The interrelationship between the effects of somatostatin and human pancreatic growth hormone-releasing factor on growth hormone release by cultured pituitary tumor cells from patients with acromegaly. Lamberts SW, et al. **J Clin Endocrinol Metab** 1984 Feb;58(2):250-4

Direct effects of catecholamines, thyrotropin-releasing hormone, and somatostatin on growth hormone and prolactin secretion from adenomatous and nonadenomatous human pituitary cells in culture. Ishibashi M, et al. **J Clin Invest** 1984 Jan;73(1):66-78

Pituitary adenomas producing growth hormone in acromegalic patients. Smallman LA, et al. **J Clin Pathol** 1984 Apr;37(4):382-9

ACTH sensitivity of isolated human pathological adrenocortical cells: variability of responses in aldosterone, corticosterone, deoxycorticosterone and cortisol production. Rácz K, et al. **J Steroid Biochem** 1984 May; 20(5):1187-94

The synthesis of insulin and proinsulin in a cell-free system derived from the streptozotocin-nicotinamide--induced rat islet adenoma. Johnson DE, et al. **Metabolism** 1984 Jan; 33(1):8-14

The effect of glucose on insulin and proinsulin synthesis in the streptozotocin-nicotinamide--induced rat islet adenoma. Johnson DE, et al. **Metabolism** 1984 Jan;33(1):1-7

Glicentin-containing cells in intestinal metaplasia, adenoma and carcinoma of the stomach. Ito H, et al. **Virchows Arch [A]** 1984;404(1):17-29

Uptake of horseradish peroxidase in spontaneous adenomas of the rat pituitary. Ilse G, et al. **Z Mikrosk Anat Forsch** 1983;97(3):364-8

[Effect of somatocrinin 1-40 (hpGRF-40) on human prolactinoma] Hui Bon Hoa D, et al. **C R Seances Acad Sci [III]** 1984;298(1):9-12 (Eng. Abstr.) **(Fre)**

[Dyshormonogenesis--with special reference to its relationship with thyroid adenoma] Watanabe I. **Horumon To Rinsho** 1983 Jul;31(7):627-36 **(Jpn)**

[Accumulation mechanism of 201Tl--K-contents and Na, K-ATPase activities of tissues] Nakamura K, et al. **Radioisotopes** 1983 Dec;32(12):626-8 (Eng. Abstr.) **(Jpn)**

[Proteinase inhibitor activity of blood plasma and cerebrospinal fluid in patients with pituitary adenomas before and after proton therapy] Zargarova OP, et al. **Vopr Med Khim** 1983 Nov-Dec;29(6):96-8 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Intracolonic environment and the presence of colonic adenomas in man. van der Werf SD, et al. **Gut** 1983 Oct; 24(10):876-80

NURSING

Nursing care of a patient undergoing transsphenoidal hypophysectomy. Propst CL. **J Neurosurg Nurs** 1983 Dec; 15(6):332-8

OCCURRENCE

Self-reported dark red bleeding as a marker comparable with occult blood testing in screening for large bowel neoplasms. Silman AJ, et al. **Br J Surg** 1983 Dec;70(12):721-4

Nelson's syndrome: incidence and prognosis. Kasperlik-Załuska AA, et al. **Clin Endocrinol (Oxf)** 1983 Dec;19(6):693-8

Primary pulmonary neoplasms in Ethiopians. Teklu B. **East Afr Med J** 1983 Jun;60(6):374-9

Acceptability and compliance in screening for colorectal cancer with fecal occult blood test. Adamsen S, et al. **Scand J Gastroenterol** 1984 Jun;19(4):531-4

[Intrascrotal neoplasms among the cases of the Institute of Pathology of the Medical Academy in Cracow] Frasik W. **Patol Pol** 1983 Jul-Sep;34(3):257-67 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Morphological investigations of mixed pituitary adenomas. Slowik F, et al. **Acta Morphol Hung** 1983;31(4):353-64

Pituitary microadenomas: surgical results and morphological findings. Scanarini M, et al. **Acta Neurochir (Wien)** 1983; 69(3-4):231-42

Relationship between cytological picture and hormone secretion by human pituitary adenomas in cell culture. Stefanko SZ, et al. **Acta Neuropathol (Berl)** 1983; 62(1-2):153-6

Nephrogenic adenoma in female urethra. Furusato M, et al. **Acta Pathol Jpn** 1983 Sep;33(5):1009-15

A prolactin producing tumor originated in the sphenoid sinus. Matsushita H, et al. **Acta Pathol Jpn** 1984 Jan;34(1):103-9

Dimethyl nitrosamine-induced proliferative and neoplastic lesions in the mouse liver characterized by histopathology and flow cytometric DNA measurements. Digernes V, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1984 Jan; 92(1):45-53

Multiple adenomas of the gallbladder. Case report. Lin G, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1983 Nov; 91(6):475-6

Giant cell tumor of major salivary glands: report of three cases, one occurring in association with a malignant mixed tumor. Eusebi V, et al. **Am J Clin Pathol** 1984 May; 81(5):666-75

Clear-cell syringoma. A study by conventional and electron microscopy. Feibelman CE, et al. **Am J Dermatopathol** 1984 Apr;6(2):139-50

Clear-cell syringoma. Association with diabetes mellitus. Furue M, et al. **Am J Dermatopathol** 1984 Apr;6(2):131-8

Are metaplasias in colorectal adenomas truly metaplasias? Bansal M, et al. **Am J Pathol** 1984 May;115(2):253-65

Constitution and behavior of follicular structures in the human anterior pituitary gland. Ciocca DR, et al. **Am J Pathol** 1984 May;115(2):165-74

The parathyroid adenoma. A histopathologic definition with a study of 172 cases of primary hyperparathyroidism. Ghandur-Mnaymneh L, et al. **Am J Pathol** 1984 Apr; 115(1):70-83

Signet-cell-simulating microfollicular adenoma of the thyroid. Mendelsohn G. **Am J Surg Pathol** 1984 Sep; 8(9):705-8

Middle ear adenoma. A cytologically uniform neoplasm displaying a variety of architectural patterns. Mills SE, et al. **Am J Surg Pathol** 1984 Sep;8(9):677-85

Syringomatous adenoma of the nipple. Rosen PP. **Am J Surg Pathol** 1983 Dec;7(8):739-45

Comparative histologic study of 43 metastasizing and nonmetastasizing adrenocortical tumors. Weiss LM. **Am J Surg Pathol** 1984 Mar;8(3):163-9

Histopathological diagnosis of hyperparathyroidism. Grimelius L, et al. **Ann Chir Gynaecol** 1983;72(3):116-22

Combined adnexal tumor of the skin. Apisarnthanarax P, et al. **Arch Dermatol** 1984 Feb;120(2):231-3

Eruptive generalized clear cell syringomas. Diestelmeier MR, et al. **Arch Dermatol** 1983 Nov;119(11):927-9

Sequestered substernal goiter. Ladenson PW, et al. **Arch Intern Med** 1983 May;143(5):1015-7

Multilayering of basal lamina in parathyroid chief cell hyperplasia. Aguilar-Parada E, et al. **Arch Invest Med (Mex)** 1983 Oct-Dec;14(4):363-6 **(Eng, Spa)**

Oxyphil cell adenomas. Three case reports. Lamping KA, et al. **Arch Ophthalmol** 1984 Feb;102(2):263-5

Pathologic quiz case 2. Oncocytoma of the submandibular gland. McDonagle M, et al. **Arch Otolaryngol** 1984 Jan; 110(1):64-6, 67

Hürthle cell neoplasms. Malignant potential. Gosain AK, et al. **Arch Surg** 1984 May;119(5):515–9

Follicular neoplasms of the thyroid. A study of 44 cases followed for a minimum of 10 years, with emphasis on differential diagnosis. Evans HL. **Cancer** 1984 Aug 1; 54(3):535–40

Sebaceous neoplasms of salivary gland origin. Report of 21 cases. Gnepp DR, et al. **Cancer** 1984 May 15;53(10):2155–70

Monomorphous plurihormonal adenoma of the human pituitary. A histologic, immunocytologic and ultrastructural study. McComb DJ, et al. **Cancer** 1984 Apr 1;53(7):1538–44

Lymphocytic infiltration of bronchioloalveolar adenomas in mice. Choudhury C, et al. **Cancer Lett** 1983 Oct; 20(3):299–304

Establishment of epithelial cell strains from normal adult mouse lung resembling a urethane-induced lung adenoma cell strain and a metastasizing mouse lung carcinoma cell line. Smith GJ, et al. **Cell Biol Int Rep** 1984 Feb;8(2):161–9

Clear cell syringoma. Kitamura K, et al. **Cutis** 1983 Aug; 32(2):169–72

Histopathologic comparison of colorectal adenomas in English and Japanese patients. Konishi F, et al. **Dis Colon Rectum** 1984 Aug;27(8):515–8

Villous dysplasia. An ominous histologic sign in colitic patients. Rubio CA, et al. **Dis Colon Rectum** 1984 May; 27(5):283–7

Increased sensitivity of cultured fibroblasts from colon cancer-prone rats to cytotoxicity of carcinogens and to viral transformation: a comparison with fibroblasts from patients with adenomatosis coli. Tsujimura T, et al. **Gann** 1983 Dec;74(6):854–63

Oncocytoma of the ovary: light and electron microscopic study. Yoshida Y, et al. **Gynecol Oncol** 1984 May; 18(1):109–14

Synchronous double primary malignant lymphoma of low grade malignancy and early cancer (collision tumor) of the stomach. Planker M, et al. **Hepatogastroenterology** 1984 Jun;31(3):144–8

Multinodular oncocytoma of the parotid gland: a benign lesion simulating malignancy. Ghandur-Mnaymneh L. **Hum Pathol** 1984 May;15(5):485–6

Metastatic prolactin-secreting pituitary adenoma. U SH, et al. **Hum Pathol** 1984 Jan;15(1):94–6

Adenolipomatosis of the thyroid gland. Simha MR, et al. **Indian J Cancer** 1983 Sep-Oct;20(4):215–7

Numerous syringomas of the forehead. Hempstead RW, et al. **Int J Dermatol** 1983 Oct;22(8):485–6

Syringoma of the ankle [letter] Port M, et al. **J Am Acad Dermatol** 1984 Feb;10(2 Pt 1):291–3

Inhibitory action of bromocriptine and tamoxifen on the growth of human pituitary tumors in soft agar. Arafah BM, et al. **J Clin Endocrinol Metab** 1983 Nov;57(5):986–92

Capsule dermatopathology: malignant cellular infiltrates of the skin with foamy cytoplasm. Weiss L, et al. **J Dermatol Surg Oncol** 1983 Oct;9(10):805–7

Invasive pituitary oncocytoma. Okoye MI, et al. **J Natl Med Assoc** 1983 Dec;75(12):1215–6, 1218–9

Hypothalamic neuronal hamartoma and adenohypophyseal neuronal choristoma: their association with growth hormone adenoma of the pituitary gland. Scheithauer BW, et al. **J Neuropathol Exp Neurol** 1983 Nov;42(6):648–63

Proliferative potential of cells from normal human colon epithelium, adenomas, and carcinomas of the large bowel. Agrez MV, et al. **J Surg Oncol** 1983 Dec;24(4):263–7

Tubular adenoma with squamous metaplasia of the sigmoid colon: a case report. Hayashi I, et al. **J Surg Oncol** 1984 Jun;26(2):130–4

Adenoma of ileal urinary conduit. Peterson NE. **J Urol** 1984 Jun;131(6):1171–2

Nephrogenic adenoma of bladder: a report of 8 cases. Ritchey ML, et al. **J Urol** 1984 Mar;131(3):537–9

Nephrogenic adenoma of the ureter. Satodate R, et al. **J Urol** 1984 Feb;131(2):332–4 (17 ref.)

Hürthle cell tumors of the thyroid gland. A clinicopathologic review and long-term follow-up. Caplan RH, et al. **JAMA** 1984 Jun 15;251(23):3114–7

Morphogenesis of minute adenomas in familial polyposis coli. Nakamura S, et al. **JNCI** 1984 Jul;73(1):41–9

A case of pleomorphic adenoma of the trachea. Sano T, et al. **Jpn J Clin Oncol** 1984 Mar;14(1):93–8

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 30–1984. A 79-year-old woman with gallstones and dilated biliary and pancreatic ducts. **N Engl J Med** 1984 Jul 26;311(4):244–51

Canalicular adenoma: not a basal cell adenoma. Daley TD, et al. **Oral Surg** 1984 Feb;57(2):181–8

The use of the terms monomorphic adenoma, basal cell adenoma, and canalicular adenoma as applied to salivary gland tumors. Gardner DG, et al. **Oral Surg** 1983 Dec; 56(6):608–15

Synchronous bilateral oncocytoma of the parotid glands. A case report. Deutsch E, et al. **ORL J Otorhinolaryngol Relat Spec** 1984;46(2):66–8

Fine-needle aspiration biopsy of the thyroid gland. Petersen SV, et al. **Otolaryngol Head Neck Surg** 1984 Jun; 92(3):295–7

Surgical pathology of the pituitary: the adenomas. Part I. Scheithauer BW. **Pathol Annu** 1984;19 Pt 1:317–74 (111 ref.)

An immunoperoxidase study of a human pituitary adenoma associated with Cushing's syndrome. Wowra B, et al. **Pathol Res Pract** 1984 Mar;178(4):349–54

A case of proximal tubular adenoma (oncocytoma) of the kidney. Cavaliere A, et al. **Pathologica** 1984 Mar-Apr; 76(1042):263–8

Large parathyroid adenoma in a normocalcemic patient. Philips JN, et al. **Pathology** 1983 Oct;15(4):491–6

Morphologic aspects of the genesis of colo-rectal carcinoma and its relationship to adenoma. Enterline HT. **Prog Clin Biol Res** 1983;132D:117–27

Primary hyperparathyroidism diagnosed at autopsy. A study of eight cases. Webb JN, et al. **Scott Med J** 1983 Oct; 28(4):360–3

Twenty-nine year old male with recurrent left upper lobe pneumonia [clinical conference] Williams SH, et al. **SD J Med** 1984 Feb;37(2):13–6

Subclinical pituitary microadenomas. Siqueira MG, et al. **Surg Neurol** 1984 Aug;22(2):134–40

Giant pituitary adenoma. Srivastava VK, et al. **Surg Neurol** 1983 Nov;20(5):379–82

Renal oncocytoma—bilateral, multifocal. Fairchild TN, et al. **Urology** 1983 Oct;22(4):355–9

Multifocal dermal-type basal cell adenomas of parotid glands with co-existing dermal cylindromas. Herbst EW, et al. **Virchows Arch** [A] 1984;403(1):95–102

Immunohistochemical examination of the paraadenomatous 'normal' pituitary. An evaluation of prolactin cell hyperplasia. Landolt AM, et al. **Virchows Arch** [A] 1984; 403(2):181–93

Lipid-rich cell adenoma of the thyroid gland. Report of a peculiar thyroid tumour. Schröder S, et al. **Virchows Arch** [A] 1984;404(1):105–8

Adenolipoma (thyrolipoma) of the thyroid gland report of two cases and review of literature. Schröder S, et al. **Virchows Arch** [A] 1984;404(1):99–103

Small pedunculated tubular adenoma of the colon with carcinoma restricted to the head, invasion of lymphatics and widespread metastases. Case report and review of the literature. Stamm B, et al. **Virchows Arch** [A] 1983; 402(1):83–9 (27 ref.)

Atypical glands in gastric adenoma. Three-dimensional architecture compared with carcinomatous and metaplastic glands. Takahashi T, et al. **Virchows Arch** [A] 1984; 403(2):135–48

[Oncocytoma of the kidney] Panchev P, et al. **Khirurgiia (Sofiia)** 1984;37(3):216–9 (Eng. Abstr.) **(Bul)**

[Parathyroid adenoma and carcinoma—clinicopathologic study of 35 cases] Hu YF. **Chung Hua Chung Liu Tsa Chih** 1983 Jul;5(4):281–3 (Eng. Abstr.) **(Chi)**

[A monstrous and histologically curious malignant tumor of the submandibular gland] Novotný Z, et al. **Cesk Otolaryngol** 1984 Feb;33(1):41–6 (Eng. Abstr.) **(Cze)**

[Tubular apocrine adenoma: apropos of a case] Kanitakis J, et al. **Dermatologica** 1984;169(1):23–8 (Eng. Abstr.) **(Fre)**

[Adenomatous lesions of the papilla in familial adenomatous rectocolic polyposis. Value of duodenoscopy] Théodore C, et al. **Gastroenterol Clin Biol** 1983 Nov;7(11):864–7 (Eng. Abstr.) **(Fre)**

[Oncocyte cells in salivary tumors: frequency, histoenzymological and ultrastructural characteristics] Chomette G, et al. **J Biol Buccale** 1983 Sep;11(3):243–53 (Eng. Abstr.) **(Fre)**

[Latent pituitary adenoma. Autopsy study] Coulon G, et al. **Sem Hop Paris** 1983 Nov 3;59(40):2747–50 (Eng. Abstr.) **(Fre)**

[Renal oncocytoma, a benign tumor not to be confused with renal carcinoma] Turgeon PP, et al. **Union Med Can** 1984 Jan;113(1):35 **(Fre)**

[Localization of colon adenomas in relation to age and sex. A colonoscopy study] Liebe S, et al. **Dtsch Z Verdau Stoffwechselkr** 1984;44(1):16–21 (Eng. Abstr.) **(Ger)**

[Significance of preoperative cytology and rapid intraoperative section study in goiter surgery] Teuscher J, et al. **Helv Chir Acta** 1984 Apr;51(1):83–6 (Eng. Abstr.) **(Ger)**

[Cancer of the appendix arising from a villous adenoma] Detky G. **Orv Hetil** 1983 Nov 13;124(46):2815–7 (Eng. Abstr.) **(Hun)**

[Cytologic diagnosis using needle aspiration of basal cell monomorphic adenoma, pleomorphic adenoma and cystic adenoid carcinoma of the salivary glands (differential diagnosis and prognostic and therapeutic implications)] Fiaccavento S, et al. **Acta Otorhinolaryngol Ital** 1983 May-Jun;3(3):295–304 (Eng. Abstr.) **(Ita)**

[Expansive adrenal pathology: clinico-diagnostic considerations of 19 surgically treated cases] Maniscalco L, et al. **Chir Patol Sper** 1982 Oct;30(5):169–79 (Eng. Abstr.) **(Ita)**

[Apocrine tubular adenoma] Pippione M, et al. **G Ital Dermatol Venereol** 1983 Sep-Oct;118(5):327–30 (Eng. Abstr.) **(Ita)**

[Anatomo-clinical aspects of adenomas of the large intestine. Considerations on endoscopic and surgical cases] Di Curzio B, et al. **Minerva Dietol Gastroenterol** 1983 Jul-Sep; 29(3):273–84 (Eng. Abstr.) **(Ita)**

[Anatomo-clinical evaluation of histochemical data in benign and malignant tumors of the large intestine] Gnavi M, et al. **Minerva Dietol Gastroenterol** 1984 Apr-Jun; 30(2):187–90 (Eng. Abstr.) **(Ita)**

[Pleomorphic primary adenoma of the scrotum] Scarani P, et al. **Pathologica** 1983 Mar-Apr;75(1036):279–85 (Eng. Abstr.) **(Ita)**

[A case of prostatic cancer associated with von Recklinghausen's disease] Araki I, et al. **Hinyokika Kiyo** 1983 Mar;29(3):339–44 (Eng. Abstr.) **(Jpn)**

[Cell cycles of cancer cells and chemotherapy—flow cytometric observation of the effects of chemotherapeutic agents on cell kinetics of cultured human lung cancer cells] Shimizu T. **Hokkaido Igaku Zasshi** 1983 Sep;58(5):467–82 (Eng. Abstr.) **(Jpn)**

[Functional thyroid nodules (functioning nodular goiter)—comparative evaluation of adenomatous goiter and adenoma] Ishida T, et al. **Horumon To Rinsho** 1983 Jul; 31(7):621–6 **(Jpn)**

[Pathological and clinical studies on primary aldosteronism] Ozaki O, et al. **Nippon Geka Gakkai Zasshi** 1983 Mar; 84(3):256–62 (Eng. Abstr.) **(Jpn)**

[Pathological analysis of prostatic cancer at autopsy] Ando K, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Jun; 74(6):989–93 (Eng. Abstr.) **(Jpn)**

[Case of renal oncocytoma: histopathological study and a review of the literature] Takahashi S, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Mar;74(3):436–45 (Eng. Abstr.) **(Jpn)**

[2 cases of Hashitoxicosis with histological features of adenomatous goiter] Hosojima H, et al. **Nippon Naibunpi Gakkai Zasshi** 1983 Jun 20;59(6):880–7 (Eng. Abstr.) **(Jpn)**

[Hormone-secreting tumors in the anterior pituitary gland. Morphological studies] Sasano N, et al. **Nippon Rinsho** 1983 Jun;41(6):1140–6 **(Jpn)**

[Hormone-secreting tumors in the adrenal gland. Morphological studies] Yoshimi T, et al. **Nippon Rinsho** 1983 Jun;41(6):1154–61 **(Jpn)**

[Cytological findings on endometrial carcinoma and endometrial hyperplasia] Nagai S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1983 Dec; 35(12):2283–90 (Eng. Abstr.) **(Jpn)**

[Primary culture of human functioning pituitary adenoma in monolayer and collagen gel culture] Yoshida T, et al. **No Shinkei Geka** 1983 Nov;11(11):1149–55 (Eng. Abstr.) **(Jpn)**

[Clinicopathological study of residual cancer of the bronchial edge noted after sleeve lobectomy of lung cancer] Tomita M, et al. **Rinsho Kyobu Geka** 1983 Sep;3(5):573–77 (Eng. Abstr.) **(Jpn)**

[Comparison of cytological and histological findings in benign thyroid growths] Doerr-Winogradow K, et al. **Endokrynol Pol** 1983;34(2):87–94 (Eng. Abstr.) **(Pol)**

[Differential diagnosis of adenoma of the parathyroid glands and their nodular and diffuse hyperplasia] Astakhov AF, et al. **Arkh Patol** 1983;45(6):52–60 (Eng. Abstr.) **(Rus)**

[Parathyroid adenoma with primary hyperthyroidism and myocardial lesions] Chumachenko PA, et al. **Arkh Patol** 1984;46(1):64–6 (Eng. Abstr.) **(Rus)**

[Methodologic aspects of detecting microadenomas of the pituitary in autopsy material] Nikonov AA, et al. **Arkh Patol** 1983;45(12):62–6 (Eng. Abstr.) **(Rus)**

[Characteristics of the intravital staining of tumors and hyperplastic changes in the mucous membrane of the large intestine] Khankin SL, et al. **Klin Med (Mosk)** 1983 Aug; 61(8):88–91 (Eng. Abstr.) **(Rus)**

[Cytological studies in precancerous and cancerous processes and adenomas of the stomach] Arzumanian GA, et al. **Lab Delo** 1984;(4):199–203 (Eng. Abstr.) **(Rus)**

[Cytological diagnosis of clear-cell parathyroid adenoma] Tarasov SS. **Lab Delo** 1984;(5):265–6 (Eng. Abstr.) **(Rus)**

[Primary thyroid and breast cancers in a patient with pituitary adenoma and acromegaly] Marova EI, et al. **Sov Med** 1983; (7):119–22 **(Rus)**

[Relation between benign and malignant epithelial tumors of the large intestine] Katić V, et al. **Srp Arh Celok Lek** 1983 Mar;111(3):377–86 (Eng. Abstr.) **(Scc)**

[Adenoma of Brunner's glands] Prim Mercader P, et al. **Med Clin (Barc)** 1983 May 21;80(18):802–4 (Eng. Abstr.) **(Spa)**

[Adenoma of the nipple. Clinico-pathologic review of 16 cases] Sánchez Pedreño P, et al. **Med Cutan Iber Lat Am** 1984;12(2):123–7 (Eng. Abstr.) **(Spa)**

[Renal oncocytoma] González Cámpora R, et al. **Rev Esp Oncol** 1981;28(3):377–83 (Eng. Abstr.) **(Spa)**

[Bronchial adenoma. Clinico-pathological and surgical study of 5 cases] Gerbaud A. **Rev Med Panama** 1984 May; 9(2):93–9 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Toxic adenoma in childhood—case report. Lepre F, et al. **Aust Paediatr J** 1983 Dec;19(4):258–9

Functional changes in the regulatory subunit of the type II cyclic adenosine 3':5'-monophosphate-dependent protein kinase isozyme during normal and neoplastic lung development. Butley MS, et al. **Cancer Res** 1984 Jun; 44(6):2689–97

Production of androgens and estrogens by tubular adenomas which developed in ovaries of mutant mice of Sl/Slt genotype. Terada N, et al. **Cancer Res** 1984 May; 44(5):1827–30

Primary tissue culture of human adrenocortical Conn's adenomata. Bromocriptine as a possible agonist-antagonist

of angiotensin at the cellular level. Armato U, et al. **Cell Tissue Res** 1984;236(1):67–72

Age and sex difference in serum and pituitary thyrotropin concentrations in the rat: influence by pituitary adenoma. Chen HJ. **Exp Gerontol** 1984;19(1):1–6

Missing endogenous dopaminergic inhibition of aldosterone secretion in human CONN's adenoma tissue after heterotransplantation to thymusaplastic mice. Jungmann E, et al. **Horm Metab Res** 1983 Aug;15(8):413

Studies on pituitary function in patients with B-cell adenoma. Zaccaria M, et al. **Horm Metab Res** 1983 Nov;15(11):562–3

A beardless young man with depressed libido. Fisher JN. **Hosp Pract** 1983 Oct;18(10):78–9, 82

Role of vasoactive intestinal polypeptide (VIP) in regulating the pituitary function in man. Kato Y, et al. **Peptides (Fayetteville)** 1984 Mar–Apr;5(2):389–94

Normal menstruation and pregnancy in a patient with Nelson's syndrome. Burch WM. **South Med J** 1983 Oct; 76(10):1319–20

[Various aspects of dopaminergic function in patients with prolactin-secreting hypophyseal adenoma] De Leo V, et al. **Boll Soc Ital Biol Sper** 1983 Dec 30;59(12):1883–9 (Eng. Abstr.) **(Ita)**

[Role of H2 receptors in controlling prolactin release. Decreased response to cimetidine in patients with prolactin-secreting adenoma and idiopathic hyperprolactinemia] Bacchi Modena A, et al. **Minerva Ginecol** 1984 Jun;36(6):293–7 (Eng. Abstr.) **(Ita)**

[Thyroid activity in patients with thyroid neoplasms] Demidov VP, et al. **Vopr Onkol** 1983;29(11):27–32 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Multiple oncocytomas and renal carcinoma. Velasquez G, et al. **AJR** 1984 Jan;142(1):123–4

Computed tomography demonstration of pancreatic microcystic adenoma. Zirinsky K, et al. **Am J Gastroenterol** 1984 Feb;79(2):139–42

Development of pituitary adenoma in women with hyperprolactinaemia [letter] Sheehan JP, et al. **Br Med J [Clin Res]** 1984 May 12;288(6428):1459

Value of high-resolution computerized tomography in localizing diseased parathyroid glands. Roza AM, et al. **Can J Surg** 1984 Jul;27(4):334–6

The computed tomography-guided adrenal biopsy. An alternative to surgery in adrenal mass diagnosis. Berkman WA, et al. **Cancer** 1984 May 15;53(10):2098–103

Localization by ultrasound of hyperparathyroid tumors not detected by computed tomography. Derksen OS, et al. **Diagn Imag Clin Med** 1984;53(3):131–4

CT scanning of tumors in or near the parotid or submandibular glands. A comparison with conventional sialography. Mooyaart EL, et al. **Diagn Imag Clin Med** 1984;53(4):177–81

Flexible fiberoptic sigmoidoscopy and double-contrast barium-enema examination in the identification of adenomas and carcinoma of the colon. Farrands PA, et al. **Dis Colon Rectum** 1983 Nov;26(11):725–7

CT guided percutaneous fine needle biopsy in the diagnosis of small adrenal tumours. Lüning M, et al. **Eur J Radiol** 1983 Nov;3(4):358–64

Degenerative changes in hypophyseal adenomas: CT features. Rosa M, et al. **Ital J Neurol Sci** 1983 Sep; 4(3):285–9

Bitemporal hemianopsia. Diaz RD, et al. **J Clin Neuro Ophthalmol** 1982 Jun;2(2):133–9

Computed tomography of renal oncocytoma. Cohan RH, et al. **J Comput Assist Tomogr** 1984 Apr;8(2):284–7

Dynamic CT scanning of microadenomas [letter] Bonneville JF. **J Neurosurg** 1984 Jul;61(1):203–4

Renal oncocytoma: new observations. Quinn MJ, et al. **Radiology** 1984 Oct;153(1):49–53

The radiology of pituitary adenomas. Wolpert SM. **Semin Roentgenol** 1984 Jan;19(1):53–69 (112 ref.)

Evaluation of parathyroid adenomas by intravenous digital subtraction angiography. Kalmar JA, et al. **South Med J** 1984 May;77(5):603–6

The use of digital subtraction angiography and computed tomography scanning in localization of parathyroid adenomas in secondary parathyroid operations: preliminary observations. Esselstyn CB Jr, et al. **Surgery** 1983 Dec; 94(6):869–72

[Directly magnified tomography in the x-ray diagnosis and classification of changes in the sella turcica in intrasellar adenomas] Tomov A, et al. **Vutr Boles** 1983;22(1):82–6 (Eng. Abstr.) **(Bul)**

[Role of scanography in the diagnosis of parathyroid adenomas. Apropos of 27 cases] Drouillard J, et al. **J Radiol** 1983 Jun–Jul;64(6–7):381–90 (Eng. Abstr.) **(Fre)**

[Results of serial CT in the evaluation of the sellar region] Fink U, et al. **Computertomographie** 1983 Dec;3(4):168–73 (Eng. Abstr.) **(Ger)**

[Results of CT diagnosis in intrasellar tumors] Fauk D, et al. **Radiol Diagn (Berl)** 1983;24(6):721–6 (Eng. Abstr.) **(Ger)**

[Methodological study of computed tomographic evaluation of intrasellar lesions] Watanabe S, et al. **Neurol Med Chir (Tokyo)** 1984 May;24(5):324–9 (Eng. Abstr.) **(Jpn)**

[Computed tomography of pituitary microadenoma] Lee K, et al. **Rinsho Hoshasen** 1983 Aug;28(8):865–9 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

Kinetics of 201Tl uptake in adenomas and well-differentiated carcinomas of the thyroid. A double isotope investigation with 99Tcm and 201Tl. Tennvall J, et al. **Acta Radiol [Oncol]** 1984;23(1):55–9

Localization of abnormal parathyroid glands using thallium-201. MacFarlane SD, et al. **Am J Surg** 1984 Jul; 148(1):7–13

Hepatic adenoma. Demonstration of discordant uptake with Tc-99m sulfur colloid and Tc-99m DISIDA. Vincent LM, et al. **Clin Nucl Med** 1984 Jul;9(7):415–4

Visualization of hepatic adenoma with Tc-99m di-isopropyl IDA. Kipper MS, et al. **J Nucl Med** 1984 Sep;25(9):986–8

The localization of parathyroid adenomas on scintiscan. Esser JD, et al. **S Afr J Surg** 1984 May;22(2):73–7

[201T1-chloride imaging of malignant thymus neoplasm] Ayabe Z, et al. **Rinsho Hoshasen** 1984 Feb;29(2):341–2 **(Jpn)**

RADIOTHERAPY

Successful treatment of solitary toxic thyroid nodules with relatively low-dose iodine-131, with low prevalence of hypothyroidism. Ross DS, et al. **Ann Intern Med** 1984 Oct; 101(4):488–90

Treatment of prolactinomas with megavoltage radiotherapy. Grossman A, et al. **Br Med J [Clin Res]** 1984 Apr 14; 288(6424):1105–9

The rare occurrence of a radiation-induced osteosarcoma in the clavicule after treatment of thyroid cancer. Wasylewski AH, et al. **Pathol Res Pract** 1984 May; 178(5):441–5

[Results of radioiodine treatment of autonomous thyroid adenomas taking into consideration regional iodine kinetics and paranodular uptake] Tosch U, et al. **Nuklearmedizin** 1983 Aug;22(4):187–91 (Eng. Abstr.) **(Ger)**

[Development of delayed radiation necrosis. Case report] Ohara S, et al. **Neurol Med Chir (Tokyo)** 1983 Apr; 23(4):295–300 (Eng. Abstr.) **(Jpn)**

[Evaluation of the early results of treating patients with lung cancer with photons X and 18 MeV] Starzyńska T, et al. **Pol Tyg Lek** 1983 May 30–Jun 6;38(22–23):685–7 (Eng. Abstr.) **(Pol)**

[Proton therapy of pituitary adenomas] Minakova EI, et al. **Med Radiol (Mosk)** 1983 Oct;28(10):7–14 (Eng. Abstr.) **(Rus)**

SECONDARY

Breast carcinoma metastatic to a solitary adenomatous polyp in the colon. Wiltz O, et al. **Arch Pathol Lab Med** 1984 Apr;108(4):318–20

A case of metastasizing benign pleomorphic adenoma of the parotid. Morrison PD, et al. **Clin Oncol** 1984 Jun; 10(2):173–6

SECRETION

Effects of ovine corticotrophin-releasing factor and hydrocortisone on growth hormone secretion by pituitary adenoma cells of acromegaly in culture. Ishibashi M, et al. **Acta Endocrinol (Copenh)** 1984 Aug;106(4):443–7

In vivo evidence of cortisol secretion by aldosterone-producing adenomas. Nomura K, et al. **Acta Endocrinol (Copenh)** 1984 Aug;106(4):516–20

Long-term survival and aldosterone secretion pattern of aldosteronom- in culture. Okabe T, et al. **Acta Endocrinol (Copenh)** 1983 Dec;104(4):495–501

ACTH and beta-endorphin secretion by three corticotrophic adenomas in culture. Effects of culture time, dexamethasone, vasopressin and synthetic corticotrophin releasing factor. Oosterom R, et al. **Acta Endocrinol (Copenh)** 1984 May;106(1):21–9

Twenty-four hour secretory pattern of prolactin in hyperprolactinaemic patients with pituitary micro- and macroadenomas. Seki K, et al. **Acta Endocrinol (Copenh)** 1984 Aug;106(4):433–6

Orthostatic hypotension due to prolactin-secreting pituitary adenoma [letter] Ducloux G, et al. **Am Heart J** 1984 Jan; 107(1):187–8

Hypertension caused by an aldosterone-secreting adenoma. Occurrence in a 7-year-old child. Bryer-Ash M, et al. **Am J Dis Child** 1984 Jul;138(7):673–6

Pituitary thyrotropic adenoma associated with congenital hypothyroidism. Report of two cases. Fatourechi V, et al. **Am J Med** 1984 Apr;76(4):725–8

Therapeutic venous infarction of an aldosterone producing adenoma (Conn's tumour). Mathias CJ, et al. **Br Med J [Clin Res]** 1984 May 12;288(6428):1416–7

Hyperthyroidism due to a thyrotrophin-secreting microadenoma. Kellett HA, et al. **Clin Endocrinol (Oxf)** 1983 Jul;19(1):57–65

Effects of bromocriptine for prolactin-secreting adenomas: analysis by CT scan. Niwa J, et al. **Comput Radiol** 1983 Jul–Aug;7(4):237–41

A case of calcitonin producing adenoma of the thyroid. Kodama T, et al. **Endocrinol Jpn** 1984 Feb;31(1):63–70

Pregnancy in hyperprolactinemic women. Ruiz-Velasco V, et al. **Fertil Steril** 1984 Jun;41(6):793–805 (94 ref.)

Feedback regulation of parathyroid hormone secretion in parathyroid adenoma. Tajima K, et al. **Horm Metab Res** 1984 Mar;16(3):161–2

Studies of impaired aldosterone response to spironolactone-induced renin and potassium elevations in adenomatous but not hyperplastic primary aldosteronism. Kater CE, et al. **Hypertension** 1983 Nov–Dec;5(6 Pt 3):V115–21

Bromocriptine in the management of infertile men after surgery of prolactin secreting adenomas. Mancini A, et al. **J Androl** 1984 Jul–Aug;5(4):294–6

Follicle-stimulating hormone-secreting pituitary tumor with concomitant elevation of serum alpha-subunit levels. Borges JL, et al. **J Clin Endocrinol Metab** 1984 May; 58(5):937–41

Paradoxical response of thyrotropin to L-dopa and presence of dopaminergic receptors in a thyrotropin-secreting pituitary adenoma. Chanson P, et al. **J Clin Endocrinol Metab** 1984 Sep;59(3):542–6

Prolactin-secreting adenomas in women. VII. Dopamine regulation of prolactin secretion. Martin MC, et al. **J Clin Endocrinol Metab** 1984 Sep;59(3):485–90

Exaggerated circadian variation in basal thyrotropin (TSH) and in the dopaminergic inhibition of TSH release in pathological hyperprolactinemia: evidence against a hypothalamic dopaminergic defect. Rodriguez-Arnao MD, et al. **J Clin Endocrinol Metab** 1983 Nov;57(5):975–80

The luteinizing hormone-releasing hormone (LHRH) agonist [D-Trp6-Pro9-NEt]LHRH increased rather than lowered LH and alpha-subunit levels in a patient with an LH-secreting pituitary tumor. Roman SH, et al. **J Clin Endocrinol Metab** 1984 Feb;58(2):313–9

Human growth hormone-releasing pituitary adenoma cells in long-term culture: effects of dexamethasone and growth hormone releasing factor. Oosterom R, et al. **J Endocrinol** 1984 Mar;100(3):353–60

Virilization syndrome in a young woman due to an androgen-secreting adenoma. Faggiano M, et al. **J Endocrinol Invest** 1984 Feb;7(1):41–5

Endocrine dysfunction associated with pituitary adenomas and pituitary surgery. Volner JS. **J Neurosurg Nurs** 1983 Dec;15(6):325–31

Petrosal sinus sampling for Cushing syndrome: anatomical and technical considerations. Work in progress. Doppman JL, et al. **Radiology** 1984 Jan;150(1):99–103

Prolactin-secreting pituitary adenomas: CT appearance in diffuse invasion. Virapongse C, et al. **Radiology** 1984 Aug; 152(2):447–51

Prolactin-secreting pituitary adenomas. Martin MC, et al. **West J Med** 1983 Nov;139(5):663–72

Prolactinoma [editorial] Thorner MO. **West J Med** 1983 Nov; 139(5):703–5

[Light and electron microscopic observation of prolactin-secreting pituitary adenoma] Luo Y. **Chung Hua Nei Ko Tsa Chih** 1983 Oct;22(10):595–7 (Eng. Abstr.) **(Chi)**

[Secreting parathyroid carcinoma. Apropos of a case] Bontoux D, et al. **Ann Med Interne (Paris)** 1983; 134(8):732–5 (Eng. Abstr.) **(Fre)**

[Adrenal adenoma secreting exclusively estrogens in a woman during her reproductive period. 11-year follow-up] Luton JP, et al. **Presse Med** 1984 Jan 14;13(1):23–6 (Eng. Abstr.) **(Fre)**

[Case of testosterone-producing adrenal cortical adenoma] Tanaka M, et al. **Kaku Igaku** 1983 Dec;20(10):1475–8 **(Jpn)**

[A case of prolactinoma with galactorrhea in man] Inoue T, et al. **No Shinkei Geka** 1984 May;12(6):767–71 (Eng. Abstr.) **(Jpn)**

[Cessation of cerebrospinal fluid rhinorrhea by bromocriptine treatment of a patient with invasive prolactinoma] Okuyama T, et al. **No Shinkei Geka** 1984 Mar;12(3 Suppl):319–23 (Eng. Abstr.) **(Jpn)**

[Management of pregnancy after bromocriptine treatment of women with hyperprolactinemia and pituitary adenoma (study of 4 cases)] Radowicki S, et al. **Pol Tyg Lek** 1983 May 2;38(18):559–63 (Eng. Abstr.) **(Pol)**

[Micro- and macroprolactinomas and their treatment with bromocriptine (parlodel)] von Werder K. **Akush Ginekol (Mosk)** 1984 May;(5):11–4 **(Rus)**

[An ACTH-secreting pituitary macroadenoma: inhibitory effect of cyproheptadine and somatostatin] Calderón Gualda MD, et al. **Med Clin (Barc)** 1984 Apr 28; 82(16):723–6 (Eng. Abstr.) **(Spa)**

SURGERY

Treatment of hyperprolactinemias: a matter of controversy. Carmina E, et al. **Acta Eur Fertil** 1983 Jul–Aug;14(4):241–7

Primary pelviperineal closure without drainage, after abdomino-perineal resection of the rectum—a comparative study. De Almeida AM, et al. **Acta Med Port** 1984 Feb; 5(2):49–53

Malignant colon polyps—cure by colonoscopy or colectomy? Christie JP. **Am J Gastroenterol** 1984 Jul;79(7):543–7

Mediastinal parathyroid adenomas. A cause of persistent hyperparathyroidism. Roslyn JJ, et al. **Am Surg** 1983 Oct; 49(10):523–7

Operative strategy in primary hyperparathyroidism. Akerström G, et al. **Ann Chir Gynaecol** 1983;72(3):123–8

Surgical treatment of primary aldosteronism. Granberg PO, et al. **Ann Chir Gynaecol** 1983;72(3):171–6

Results of surgical and medical treatment in primary hyperparathyroidism. Tisell LE. **Ann Chir Gynaecol** 1983;

72(3):129–34
The treatment of differentiated carcinoma of the thyroid gland. Selective management? Guillamondegui OM, et al. **Arch Otolaryngol** 1983 Nov;109(11):743–5
Surgical management of hyperinsulinemic hypoglycemia in children. Simmons PS, et al. **Arch Surg** 1984 May; 119(5):520–5
The treatment of primary hyperparathyroidism during pregnancy. Nudelmann J, et al. **Br J Surg** 1984 Mar; 71(3):217–8
The management of patients with colorectal adenomas. Lambert R, et al. **CA** 1984 May–Jun;34(3):167–76
Electro-acupuncture anesthesia in pituitary adenoma extirpation. Gao LD, et al. **Chin Med J [Engl]** 1983 Jun; 96(6):469–74
Surgical management of pituitary adenoma. Teasdale G. **Clin Endocrinol Metab** 1983 Nov;12(3):789–823 (60 ref.)
Long-term results of adrenal surgery in patients with Cushing's syndrome due to adrenocortical adenoma. Välimäki M, et al. **Clin Endocrinol (Oxf)** 1984 Feb; 20(2):229–36
Surgical management of pituitary adenomas. Laws ER Jr. **Curr Probl Cancer** 1984 Feb;8(8):1–26
Management of patients with polyps containing malignancy removed by colonoscopic polypectomy. Langer JC, et al. **Dis Colon Rectum** 1984 Jan;27(1):6–9
Assessment of definitive residual pituitary-adrenal function and of hydrocortisone replacement therapy 10 to 14 days after microsurgery for pituitary adenomas. Stracke H, et al. **Horm Metab Res** 1984 Mar;16(3):157–8
Clinical outcome for the female adnexal tumor of probable wolffian origin. Rorat E, et al. **Int J Gynaecol Obstet** 1983 Oct;21(5):409–12
Oral surgery and hemodialysis. Shibata H, et al. **Int J Oral Surg** 1984 Feb;13(1):31–4
Colorectal polyps—an Irish experience. Brady HR, et al. **Ir J Med Sci** 1983 Oct;152(10):377–81
Defective regulation of prolactin secretion after successful removal of prolactinomas. Camanni F, et al. **J Clin Endocrinol Metab** 1983 Dec;57(6):1270–6
Transantral transsphenoidal approach to the pituitary. Technical note. Hoyt TE, et al. **J Neurosurg** 1983 Dec; 59(6):1102–4
Residual anterior pituitary function following transsphenoidal resection of pituitary macroadenomas. Nelson AT Jr, et al. **J Neurosurg** 1984 Sep;61(3):577–80
Transsphenoidal hypophysectomy. Nemeroff DR. **J Neurosurg Nurs** 1981 Dec;13(6):303–12
Villous and tubulovillous adenomas of the large bowel. Adair HM, et al. **J R Coll Surg Edinb** 1983 Sep;28(5):318–23
Long-term follow-up of transsphenoidal selective adenomectomy for prolactinoma. Rodman EF, et al. **JAMA** 1984 Aug 17;252(7):921–4
Palatal pleomorphic adenoma and its management with island flaps. Janakarajah N, et al. **Med J Malaysia** 1983 Sep; 38(3):251–4
Transsphenoidal microadenomectomy for Cushing's disease in children [letter] Burch W. **N Engl J Med** 1984 Aug 16;311(7):471
Treatment of Cushing's disease in childhood and adolescence by transsphenoidal microadenomectomy. Styne DM, et al. **N Engl J Med** 1984 Apr 5;310(14):889–93
Transsphenoidal microadenomectomy in cases of Cushing's disease. Kageyama N, et al. **Nagoya J Med Sci** 1983 Jun; 45(3–4):61–70
Significance of the appearance of the optic disc for predicting visual function following removal of pituitary adenomas. Hajda M, et al. **Neurol Med Chir (Tokyo)** 1983 Jul; 23(7):561–5
Combined supra-infrasellar approach for large pituitary tumors. Loyo M, et al. **Neurosurgery** 1984 Apr;14(4):485–8
Factors in predicting outcome from operation in patients with prolactin-secreting pituitary adenomas. Nelson PB, et al. **Neurosurgery** 1983 Dec;13(6):634–41
Criteria for cure in acromegaly: report of a case apparently cured in which persisting tumor was found at autopsy. Wrightson P, et al. **Neurosurgery** 1984 Jun;14(6):750–5
Follow-up after colorectal polypectomy. II. Repeated examinations of the colon every 6 months after removal of sessile adenomas and adenomas with the highest degrees of dysplasia. Kronborg O, et al. **Scand J Gastroenterol** 1983 Nov;18(8):1095–9
Vascular studies in the preoperative evaluation of pituitary adenomas before transsphenoidal surgery. Rao KC, et al. **Surg Neurol** 1984 Feb;21(2):175–81
The acromegaly—gigantism syndrome. Report of four cases treated surgically. Zampieri P, et al. **Surg Neurol** 1983 Dec; 20(6):498–503
Outcome of follow-up programs in patients previously resected for colorectal cancer. Pugliese V, et al. **Tumori** 1984 Apr 30;70(2):203–8
Renal adenoma: therapeutic implications. Blight EM Jr. **Urology** 1984 Sep;24(3):255–8
[Use of chlorhexidine to control hospital infections following bladder surgery] Ashkov S, et al. **Khirurgiia (Sofiia)** 1983; 36(4):352–4 **(Bul)**
[Diagnostic and surgical tactics in primary hyperparathyroidism] Todorov T, et al. **Vutr Boles** 1983; 22(6):96–8 (Eng. Abstr.) **(Bul)**
[Cushing's disease and its surgical treatment by selective removal of pituitary ACTH adenoma by a trans-sphenoid route] Ruan WF. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1983 Dec; 16(6):359–62 (Eng. Abstr.) **(Chi)**
[Transoronasosphenoid approach for removal of pituitary adenoma] Zhang J. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1983 Aug; 16(4):213–6 (Eng. Abstr.) **(Chi)**
[Trans-sphenoid microsurgical treatment of secretory pituitary adenoma] Zuo HZ. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1983 Dec; 16(6):363–6 (Eng. Abstr.) **(Chi)**
[Diagnosis and surgical treatment of bronchial adenoma] Sun CF. **Chung Hua Wai Ko Tsa Chih** 1983 Aug;21(8):452–3 **(Chi)**
[An improved surgical method for familial adenomatosis of colorectum] Zhou XG. **Chung Hua Wai Ko Tsa Chih** 1983 Nov;21(11):676–8 (Eng. Abstr.) **(Chi)**
[A patient with a severe form of hyperparathyroidism; preoperative preparation with continuous intravenous calcitonin administration] van Bolhuis H, et al. **Ned Tijdschr Geneeskd** 1983 Dec 3;127(49):2219–22 (Eng. Abstr.) **(Dut)**
[Indications for surgery of incidentally detected adrenal gland tumors] Vasen HF, et al. **Ned Tijdschr Geneeskd** 1984 May 5;128(18):854–7 (Eng. Abstr.) **(Dut)**
[Reoperations for primary hyperparathyroidism] Saubier EC, et al. **Ann Chir** 1983 Dec;37(9):655–9 (Eng. Abstr.) **(Fre)**
[Total or partial parotidectomies in the treatment of pleomorphic adenomas of the parotid gland] Laccourreye H, et al. **Ann Otolaryngol Chir Cervicofac** 1984;101(3):161–7 (Eng. Abstr.) **(Fre)**
[Surgery of hyperparathyroidism in urologic patients. Apropos of 76 surgically treated cases] Giuliani L. **J Urol (Paris)** 1983;89(7):521–8 (Eng. Abstr.) **(Fre)**
[Therapeutic endoscopy] Demling L. **Acta Med Austriaca** 1983;10(4):93–9 (Eng. Abstr.) **(Ger)**
[Prostatic adenomectomy in dialysis patients] Minar E, et al. **Acta Med Austriaca** 1983;10(5):161–4 (Eng. Abstr.) **(Ger)**
[Surgical interventions in advanced age: struma surgery] Günther B, et al. **Fortschr Med** 1983 Sep 1;101(33):1477–9 **(Ger)**
[Excision of rectal tumors: transsphincteric approach] Tondelli P, et al. **Helv Chir Acta** 1984 Jan;50(5):629–33 (Eng. Abstr.) **(Ger)**
[Risk of epididymitis following transurethral and transvesical bladder neck surgery] Matz M, et al. **Z Urol Nephrol** 1984 Apr;77(4):223–6 (Eng. Abstr.) **(Ger)**
[Bronchial adenomas and carcinoids: conservative or extensive surgery? Considerations on 30 operated cases] Briccoli A, et al. **Minerva Chir** 1983 Dec 15–31; 38(23–24):1973–6 (Eng. Abstr.) **(Ita)**
[Villous adenoma of the duodenum] Noya G, et al. **Minerva Chir** 1983 Sep 30;38(18):1357–60 (Eng. Abstr.) **(Ita)**
[Current approaches in the treatment of malignant adenomas of the colon and rectum] Di Curzio B, et al. **Minerva Dietol Gastroenterol** 1983 Jul–Sep;29(3):285–8 (Eng. Abstr.) **(Ita)**
[Adrenocortical tumors] Sato S, et al. **Horumon To Rinsho** 1983 Oct;31(10):973–8 **(Jpn)**
[Benign mixed tumor in the trachea] Sakurai H, et al. **Kyobu Geka** 1984 Jan;37(1):23–7 (Eng. Abstr.) **(Jpn)**
[Facial pain and headache after the surgical removal of a prolactin producing pituitary microadenoma] Matsushita F, et al. **Masui** 1984 Apr;33(4):418–22 (Eng. Abstr.) **(Jpn)**
[Transcranial extirpation of hypophyseal tumors] Tsuru M. **No Shinkei Geka** 1983 Jul;11(7):691–700 **(Jpn)**
[Our experience in surgery of the suprarenal glands] Dolinescu C, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Apr–Jun;87(2):217–23 (Eng. Abstr.) **(Rum)**
[Use of lasers in endobronchial surgery] Gerusov MIu. **Grudn Khir** 1983 Sep–Oct;(5):72–6 (22 ref.) **(Rus)**
[Changes in serum thyroxine (T4) and triiodothyronine (T3) levels after surgery on patients with diseases of the thyroid gland] Vulchev D, et al. **Khirurgiia (Sofiia)** 1983; 36(6):532–5 **(Rus)**
[Surgical treatment of thyrotoxic goiter] Neĭmark II. **Vestn Khir** 1983 Aug;131(8):104–8 (Eng. Abstr.) **(Rus)**
[Villous tumors of the colon] Viiachki I, et al. **Vestn Khir** 1983 Nov;131(11):57–60 (Eng. Abstr.) **(Rus)**
[Cushing's disease in childhood: apropos of a case cured after trans-sphenoidal adenomectomy] Barrios Castellanos R, et al. **An Esp Pediatr** 1984 Mar 15;20(4):387–94 (Eng. Abstr.) **(Spa)**
[Control of endoscopic surgery by endocavitary echography] Boronat F, et al. **Arch Esp Urol** 1984 May–Jun;37(3):237–45 (Eng. Abstr.) **(Spa)**

THERAPY

Management of hormone-secreting pituitary microadenomas. Gáspár L, et al. **Acta Med Hung** 1983;40(2–3):107–24
Management of pituitary adenomas. Barrow DL, et al. **J Med Assoc Ga** 1983 Dec;72(12):837–44 (38 ref.)
Cushing's disease and basophilic microadenomas. Daughaday WH. **N Engl J Med** 1984 Apr 5;310(14):919–20
The autonomously functioning thyroid adenoma: clinical consideration [editorial] Hamburger J. **N Engl J Med** 1983 Dec 15;309(24):1512–3
Persistence of impaired PRL responses to sulpiride in patients with PRL secreting pituitary adenomas after successful hypophysectomy. Hanew K, et al. **Tohoku J Exp Med** 1983 Jul;140(3):225–33
[Pituitary micro-adenomas] Berney J. **Schweiz Rundsch Med Prax** 1984 Mar 13;73(11):333–4 **(Fre)**
[Percutaneous transcatheter ablation of parathyroid gland tumors by alcohol injection and contrast media infusion] Günther R, et al. **ROFO** 1984 Jan;140(1):27–30 (Eng. Abstr.) **(Ger)**
[Current methods of treating patients with pituitary adenoma] Wisławski J, et al. **Pol Tyg Lek** 1983 May 2;38(18):579–81 (Eng. Abstr.) **(Pol)**
[Catamnestic evaluation of the results of surgical and combined treatment of pituitary tumors] Konovalov AN, et al. **Zh Vopr Neirokhir** 1984 May–Jun;(3):3–9 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Pituitary adenomas: immunohistology and ultrastructural analysis of 118 tumors. Esiri MM, et al. **Acta Neuropathol (Berl)** 1983;62(1–2):1–14
Annulate lamellae in prolactin-secreting pituitary adenomas. Mori H, et al. **Acta Neuropathol (Berl)** 1983;61(1):10–4
Folliculo-stellate cell adenoma of the pituitary. A light- and electron-microscopic study. Yagishita S, et al. **Acta Neuropathol (Berl)** 1984;62(4):340–4
Salivary gland monomorphic adenoma. Ultrastructural, immunoperoxidase, and histogenetic aspects. Dardick I, et al. **Am J Pathol** 1984 Jun;115(3):334–48
Small-cell undifferentiated carcinoma of the colon. A clinicopathological study of five cases and their association with colonic adenomas. Mills SE, et al. **Am J Surg Pathol** 1983 Oct;7(7):643–51
Morules in epithelial tumors of the colon and rectum. Sarlin JG, et al. **Am J Surg Pathol** 1984 Apr;8(4):281–5
Unusual configurations of endoplasmic reticulum in human pituitary adenomas. Cairns PD, et al. **Anat Anz** 1983; 154(3):205–15
Villous adenoma of the colon and rectum: an ultrastructural study. Ioachim NJ, et al. **Cancer** 1974 Sep;34(3):586–96
Pituitary adenomas with acromegaly. Light microscopic and electron microscopic study of 60 cases. Zang X, et al. **Chin Med J [Engl]** 1983 Sep;96(9):647–54
Prolactinoma of pituitary with associated amyloid-like substances. Case report. Kuratsu J, et al. **J Neurosurg** 1983 Dec;59(6):1067–70
Demonstration of prolactin at the ultrastructural level in a pituitary adenoma by the use of colloidal gold labelling. Brion JP, et al. **J Submicrosc Cytol** 1984 Jul;16(3):555–60
Hamartomatous adenoma of the nonpigmented ciliary epithelium arising in iris-ciliary body coloboma. Light and electron microscopic observations. Patrinely JR, et al. **Ophthalmology** 1983 Dec;90(12):1540–7
Factors affecting the frequency of occurrence of spironolactone bodies in aldosteronomas and non-tumorous cortex. Cohn D, et al. **Pathology** 1983 Jul;15(3):273–7
Pleomorphic adenoma of minor salivary gland. Fulcheri E, et al. **Ultrastruct Pathol** 1983 Jul;5(1):99–102
Stromal cell changes in human colorectal adenomas and carcinomas. An ultrastructural study of fibroblasts, myofibroblasts, and smooth muscle cells. Ohtani H, et al. **Virchows Arch [A]** 1983;401(2):209–22
[Ultrastructural observation on cultured non-epidermal cells in Pringle's disease (II)] Ishibashi Y, et al. **Nippon Hifuka Gakkai Zasshi** 1982 Sep;92(10):1081–90 **(Jpn)**

VETERINARY

Sebaceous and hepatoid gland neoplasms of dogs and cats. Goldschmidt MH. **Am J Dermatopathol** 1984 Jun; 6(3):287–93
Laryngeal neoplasia in two dogs. Bright RM, et al. **J Am Vet Med Assoc** 1984 Mar 15;184(6):738–40
Basaloid adenoma of the mammary gland in two dogs. Esplin DG. **J Am Vet Med Assoc** 1984 Apr 1;184(7):855–7
Adenomatous intestinal hyperplasia in guinea pigs associated with Campylobacter-like bacteria. Muto T, et al. **Jpn J Med Sci Biol** 1983 Dec;36(6):337–42
The effect of diet on the incidence of pituitary tumours in female Wistar rats. Pickering RG, et al. **Lab Anim** 1984 Jul;18(3):298–314
Behaviour of Campylobacter sputorum subspecies mucosalis in gnotobiotic pigs. McCartney E, et al. **Res Vet Sci** 1984 May;36(3):290–7
Pituitary thyrotroph cell adenoma in a cynomolgus monkey (Macaca fascicularis). Tsuchitani M, et al. **Vet Pathol** 1984 Jul;21(4):444–7
Sebaceous gland differentiation in tumours of the feline oral mucosa. Levene A. **Vet Rec** 1984 Jan 21;114(3):69

ADENOMA, BASOPHILIC

DIAGNOSIS

Intrasellar subarachnoid space in Cushing's disease. Johnson ZS, et al. **Ir Med J** 1983 Aug;76(8):358

PATHOLOGY

[Adenoma of the kidney and its relation to hypernephroma] Van Kerrebroeck P, et al. **Acta Urol Belg** 1983;51(3):251–5 (Eng. Abstr.) **(Fre)**

[Pituitary basophilic adenoma, adrenal nodular hyperplasia and adrenal carcinoma in a case of MEN I] Lisbona A, et al. **Med Clin (Barc)** 1983 Oct 22;81(12):524–7 (Eng. Abstr.) **(Spa)**

ULTRASTRUCTURE

Cytoplasmic filaments of Crooke's hyaline change belong to the cytokeratin class. An immunocytochemical and ultrastructural study. Neumann PE, et al. **Am J Pathol** 1984 Aug;116(2):214–22

ADENOMA, CHROMOPHOBE

BLOOD

Discordant serum alpha-subunit and FSH concentrations in a woman with a pituitary tumour. Chapman AJ, et al. **Clin Endocrinol (Oxf)** 1984 Aug;21(2):123–9

COMPLICATIONS

Cushing's disease in a patient with a 'nonfunctioning' pituitary tumor. Spontaneous development and remission. Gogel EL, et al. **Arch Intern Med** 1983 May;143(5):1040–2

Formed visual hallucinations with pituitary adenomas. Dawson DJ, et al. **Br Med J [Clin Res]** 1984 Aug 18; 289(6442):414

[Hyponatremia due to resetting of osmostat in a patient with pituitary adenoma] Iitake K, et al. **Nippon Naika Gakkai Zasshi** 1983 Nov;72(11):1570–7 **(Jpn)**

[Acute pituitary vascular accident (pituitary stroke). Apropos of a case] Escobedo Sánchez A, et al. **Rev Clin Esp** 1984 Apr 15;173(1):61–4 **(Spa)**

METABOLISM

Pyridine nucleotide synthesis in normal and neoplastic human pituitary cells in culture. Gross CJ, et al. **Cancer** 1983 Dec 1;52(11):2100–6

PATHOLOGY

Cytology of a chromophobe pituitary adenoma. A case report. Gandolfi A. **Acta Cytol (Baltimore)** 1983 Sep-Oct; 27(5):521–4

Hypophyseal tumor and gynecomastia preceding bilateral breast cancer development in a man. Olsson H, et al. **Cancer** 1984 May 1;53(9):1974–7

A sparsely granulated, nonsecreting adenoma of the pars intermedia associated with galactorrhea in a male rhesus monkey (Macaca mulatta). Chalifoux LV, et al. **Vet Pathol** 1983 Sep;20(5):541–7

PHYSIOPATHOLOGY

Pathophysiological and pathogenic interpretation of the clinical picture of chromophobe adenoma of the hypophysis and of craniopharyngioma. Hrbek V. **Acta Univ Palacki Olomuc Fac Med** 1976;80:163–8

Pituitary chromophobe tumor in 409 cases. Sha SL, et al. **Chin Med J [Engl]** 1983 Nov;96(11):805–12

RADIOGRAPHY

Diagnosis of an 'isodense' pituitary microadenoma by dynamic CT scanning. Case report. Hasegawa T, et al. **J Neurosurg** 1984 Feb;60(2):424–7

Case study of patient with pituitary lesion. Binnington JL, et al. **Radiography** 1984 Jan;50(589):15–8

RADIOTHERAPY

Fibrosarcoma complicating irradiated pituitary adenoma. Shi T, et al. **Surg Neurol** 1984 Sep;22(3):277–84

SECRETION

Gonadotrophin and alpha subunit secretion by human 'functionless' pituitary adenomas in cell culture: long term effects of luteinizing hormone releasing hormone and thyrotrophin releasing hormone. Surmont DW, et al. **Clin Endocrinol (Oxf)** 1983 Sep;19(3):325–36

Paternity after bromocriptine therapy for hyperprolactinemia [letter] Siegel AJ, et al. **N Engl J Med** 1984 Sep 27; 311(13):859–60

Galactorrhoea following hypophysectomy in a boy with a prolactinoma. Dandona P, et al. **Postgrad Med J** 1984 Aug; 60(706):540–1

[Calcified prolactinomas] Guerrero E, et al. **Rev Clin Esp** 1983 Sep 30;170(6):299–301 **(Spa)**

SURGERY

Visual recovery after treatment for pituitary adenoma. Lennerstrand G. **Acta Ophthalmol (Copenh)** 1983 Dec; 61(6):1104–17

Calcified pituitary adenoma associated with severe hyperprolactinemia. Case report. Carapella CM, et al. **J Neurosurg** 1983 Nov;59(5):871–4

[Pituitary adenoma in a 9-year-old boy. Case report and review of the literature] Matsumura M, et al. **Neurol Med Chir (Tokyo)** 1984 Apr;24(4):251–6 (Eng. Abstr.) **(Jpn)**

ULTRASTRUCTURE

Pituitary corticotroph cell adenoma with marked abundance of microfilaments. Horvath E, et al. **Ultrastruct Pathol** 1983 Sep-Oct;5(2–3):249–55

Pituitary adenomas producing growth hormone, prolactin, and one or more glycoprotein hormones: a histologic, immunohistochemical, and ultrastructural study of four surgically removed tumors. Horvath E, et al. **Ultrastruct Pathol** 1983 Sep-Oct;5(2–3):171–83

ADENOMA, EOSINOPHILIC

see related
ACROMEGALY
GIGANTISM

COMPLICATIONS

Spontaneous endocrine cure of gigantism due to pituitary apoplexy. Arisaka O, et al. **Br Med J [Clin Res]** 1983 Oct 8;287(6398):1007–8

METABOLISM

Pathophysiological interpretation of the syndrome of acromegaly (acidophil adenoma of the hypophysis in adults) and of the syndrome of gigantism (acidophil adenoma of the hypophysis in adolescents). Hrbek V. **Acta Univ Palacki Olomuc Fac Med** 1976;80:157–61

SECRETION

[Calcified prolactinomas] Guerrero E, et al. **Rev Clin Esp** 1983 Sep 30;170(6):299–301 **(Spa)**

SURGERY

Visual recovery after treatment for pituitary adenoma. Lennerstrand G. **Acta Ophthalmol (Copenh)** 1983 Dec; 61(6):1104–17

ULTRASTRUCTURE

Pituitary adenomas producing growth hormone, prolactin, and one or more glycoprotein hormones: a histologic, immunohistochemical, and ultrastructural study of four surgically removed tumors. Horvath E, et al. **Ultrastruct Pathol** 1983 Sep-Oct;5(2–3):171–83

ADENOMA, VIRILIZING

SECRETION

Testosterone-producing adrenal adenoma in a woman with normal urinary 17-ketosteroid levels. Dolinar R, et al. **JAMA** 1983 Nov 11;250(18):2504–5

URINE

Steroid biochemistry of virilising adrenal tumours in childhood. Honour JW, et al. **Eur J Pediatr** 1984 Aug; 142(3):165–9

ADENOMATOSIS, FAMILIAL ENDOCRINE see **NEOPLASMS, MULTIPLE ENDOCRINE**

ADENOMATOSIS, PULMONARY, BOVINE see **PNEUMONIA, ATYPICAL INTERSTITIAL, OF CATTLE**

ADENOMATOSIS, PULMONARY, OVINE see **PULMONARY ADENOMATOSIS, OVINE**

ADENOMYOSIS see **ENDOMETRIOSIS**

ADENOSINE

Hydroxylamine and methoxyamine mutagenesis: tautomeric equilibrium of the promutagenic, N6-methoxyadenosine in solvents of different polarities. Kierdaszuk B, et al. **Acta Biochim Pol** 1984;31(1):49–64

Regioselective arylation of ribose in adenosine and guanosine with the antitumor drug N2-methyl-9-hydroxyellipticinium acetate. Bernadou J, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(5):1297–301

[Effect of adenosine protonation on its interaction with polyuridylic acid] Gukovskil IIa, et al. **Biofizika** 1983 Jul-Aug;28(4):564–9 (Eng. Abstr.) **(Rus)**

[Complex formation between polyuridylic acid and adenosine using spin-labeling] Petrov AI, et al. **Biofizika** 1983 Sep-Oct;28(5):736–41 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Adenosine/ATP and induced hypotension [letter] Gonzalez-Miranda F, et al. **Anesth Analg** 1984 May; 63(5):538–9

ANALOGS & DERIVATIVES

Inhibition of noradrenaline release from hippocampal slices by a stable adenosine analogue. Fredholm BB, et al. **Acta Physiol Scand [Suppl]** 1983;515:7–10

S-adenosylhomocysteine hydrolase as a pharmacological target for the inhibition of transmethylation. Chiang PK. **Adv Exp Med Biol** 1984;165 Pt B:199–203

5'-Methylthioadenosine is the major source of adenine in human cells. Kamatani N, et al. **Adv Exp Med Biol** 1984; 165 Pt B:83–8

The effect of a long-acting adenosine analog on blood flow through various organs in the dog. Schütz W, et al. **Basic Res Cardiol** 1983 Nov-Dec;78(6):679–84

Inactivation of betaine-homocysteine methyltransferase by adenosylmethionine and adenosylethionine. Finkelstein JD, et al. **Biochem Biophys Res Commun** 1984 Jan 13; 118(1):14–9

Metabolic conversion of neplanocin A to S-neplanocylmethionine by mouse L 929 cells. Keller BT, et al. **Biochem Biophys Res Commun** 1984 Apr 16; 120(1):131–7

2'-O-methyl-1-methyl adenosine: a new modified nucleoside in ragi (Eleusine coracana) tRNA. Raviprakash KS, et al. **Biochem Biophys Res Commun** 1984 May 31;121(1):243–8

Chemical modification of Escherichia coli succinyl-CoA synthetase with the adenine nucleotide analogue 5'-p-fluorosulphonylbenzoyladenosine. Prasad AR, et al. **Biochem J** 1983 Dec 1;215(3):513–8

N6-(Phenylisopropyl)adenosine prevents glucagon both blocking insulin's activation of the plasma-membrane cyclic AMP phosphodiesterase and uncoupling hormonal stimulation of adenylate cyclase activity in hepatocytes. Wallace AV, et al. **Biochem J** 1984 Aug 15;222(1):177–82

The effect of ribose and purine modified adenosine analogues on the secretion of histamine from rat mast cells induced by ionophore A23187. Burt DS, et al. **Biochem Pharmacol** 1983 Sep 15;32(18):2729–32

Mediation by the corticostriatal input of the in vivo increase in rat striatal acetylcholine content induced by 2-chloroadenosine. Consolo S, et al. **Biochem Pharmacol** 1983 Oct 1;32(19):2993–6

Inhibition of the transport of adenosine, other nucleosides and hypoxanthine in novikoff rat hepatoma cells by methylxanthines, papaverine, N6-cyclohexyladenosine and N6-phenylisopropyladenosine. Plagemann PG, et al. **Biochem Pharmacol** 1984 Jun 1;33(11):1783–8

Methionine synthesis from 5'-methylthioadenosine by tumour cells. Tisdale MJ. **Biochem Pharmacol** 1983 Oct 1; 32(19):2915–20

Resonance energy transfer between the adenosine 5'-diphosphate site of glutamate dehydrogenase and a guanosine 5'-triphosphate site containing a tyrosine labeled with 5'-[p-(fluorosulfonyl)benzoyl]-1,N6-ethenoadenosine. Jacobson MA, et al. **Biochemistry** 1983 Aug 30; 22(18):4247–57

Rabbit muscle phosphofructokinase. 1. Activation by affinity labeling approximately two adenosine cyclic 3',5'-monophosphate binding sites per tetramer. Ogilvie JW. **Biochemistry** 1983 Dec 6;22(25):5908–14

Rabbit muscle phosphofructokinase. 2. Inactivation by the affinity label 5'-[p-(fluorosulfonyl)benzoyl]-1,N6-ethenoadenosine. Ogilvie JW. **Biochemistry** 1983 Dec 6;22(25):5915–21

Hydroxylamine and methoxyamine mutagenesis: displacement of the tautomeric equilibrium of the promutagen N6-methoxyadenosine by complementary base pairing. Stolarski R, et al. **Biochemistry** 1984 Jun 19; 23(13):2906–13

Salvage of 5'-deoxy-methylthioadenosine into purines and methionine by lymphoid cells and inhibition of cell proliferation. Christa L, et al. **Biochim Biophys Acta** 1984 Feb 17;803(1–2):7–10

Relationship between phosphorylation and cytotoxicity of 2-chloroadenosine and 6-methylmercaptopurine riboside in human cells. Yamanaka H, et al. **Biochim Biophys Acta** 1984 Apr 10;798(2):291–4

X-ray crystallographic analysis of a ternary intercalation complex between proflavine and the dinucleoside monophosphates CpA and UpG. Aggarwal A, et al. **Biopolymers** 1984 Jun;23(6):1025–41

Central effects of adenosine analogs on locomotor activity in mice and antagonism of caffeine. Barraco RA, et al. **Brain Res** 1983 Aug 8;272(2):392–5

N6-phenylisopropyladenosine stimulates in normal and inhibits in adrenalectomized rats the low KM cyclic AMP phosphodiesterase in the brain. de Mazancourt P, et al. **Brain Res** 1984 May 23;300(2):211–7

Respiratory effects of a long-acting analog of adenosine. Eldridge FL, et al. **Brain Res** 1984 Jun 3;301(2):273–80

Correlation between growth inhibition and presence of 5'-methylthioadenosine in cells treated with interferon. de Ferra F, et al. **Cancer Res** 1984 Jun;44(6):2297–301

Inhibition of dimethyl sulfoxide-induced differentiation of Friend erythroleukemic cells by 5'-methylthioadenosine. Di Fiore PP, et al. **Cancer Res** 1984 Sep;44(9):4096–103

Flow cytometric analysis of adenosine analogue lymphocytotoxicity. Kefford RF, et al. **Cancer Res** 1983 Nov;43(11):5112–9

A modified nucleotide in tRNA as a possible regulator of aerobiosis: synthesis of cis-2-methyl-thioribosylzeatin in the tRNA of Salmonella. Buck M, et al. **Cell** 1984 Feb; 36(2):523–31

Incorporation of 1,N6-ethenoadenosine into the 3' terminus of tRNA using T4 RNA ligase. 1. Preparation of yeast tRNAPhe derivatives. Paulsen H, et al. **Eur J Biochem** 1984 Jan 2;138(1):117–23

Incorporation of 1,N6-ethenoadenosine into the 3' terminus of tRNA using T4 RNA ligase. 2. Preparation and ribosome interaction of fluorescent Escherichia coli tRNAMetf.

Paulsen H, et al. **Eur J Biochem** 1984 Jan 2;138(1):125–30

Effects of theophylline on adenosine–induced respiratory depression in the preterm rabbit. Hedner T, et al. **Eur J Respir Dis** 1984 Feb;65(2):153–6

Effect of 5'–methylthioadenosine on RNA and DNA synthesis in cultured Xenopus laevis cells. Law RE, et al. **Exp Cell Res** 1983 Sep;147(2):461–5

Effects of analogues of adenosine and methyl xanthines on insulin sensitivity in soleus muscle of the rat. Budohoski L, et al. **FEBS Lett** 1984 Feb 13;167(1):1–4

Guanine nucleotides and adenosine 'R(i)'–site analogues stimulate the membrane–bound low–K(m) cyclic AMP phosphodiesterase of rat adipocytes. de Mazancourt P, et al. **FEBS Lett** 1984 Aug 6;173(2):385–8

Guanine nucleotide– and GTP–dependent N6–phenylisopropyladenosine stimulation of the membrane–bound cyclic AMP high affinity phosphodiesterase in rat brain. de Mazancourt P, et al. **FEBS Lett** 1984 Feb 13;167(1):142–6

5'–dephosphorylated 2',5'–adenylate trimer and its analogs. Inhibition of tobacco mosaic virus replication in tobacco mosaic virus–infected leaf discs, protoplasts, and intact tobacco plants. Devash Y, et al. **J Biol Chem** 1984 Mar 25;259(6):3482–6

Characterization of a defect in the pathway for converting 5'–deoxy–5'–methylthioadenosine to methionine in a subline of a cultured heterogeneous human colon carcinoma. Ghoda LY, et al. **J Biol Chem** 1984 Jun 10; 259(11):6715–9

Evaluation of the intramolecular stacking of the fluorosulfonylbenzoyl derivatives of 1,N6–ethenoadenosine, adenosine, and guanosine. Jacobson MA, et al. **J Biol Chem** 1984 Feb 10;259(3):1454–60

Inhibition of coronary circulatory failure and thromboxane A2 release during coronary occlusion and reperfusion by 2–phenylaminoadenosine (CV–1808) in anesthetized dogs. Tanabe M, et al. **J Cardiovasc Pharmacol** 1984 May–Jun; 6(3):442–8

A simple and sensitive liquid chromatographic method for the determination of 5'–methylthioadenosine in tissues. Schanche JS, et al. **J Chromatogr** 1983 Nov 11; 278(1):189–92

Inhibition of adenosine 3',5'–monophosphate accumulation and lipolysis by adenosine analogs in human subcutaneous adipocytes. Ohisalo JJ, et al. **J Clin Endocrinol Metab** 1984 Jan;58(1):32–5

Adenosine and adenosine analogues stimulate adenosine cyclic 3', 5'–monophosphate–dependent chloride secretion in the mammalian ileum. Dobbins JW, et al. **J Clin Invest** 1984 Sep;74(3):929–35

Synthesis and biological evaluation of 2–fluoro–8–azaadenosine and related compounds. Montgomery JA, et al. **J Med Chem** 1983 Oct; 26(10):1483–9

Antinociceptive effects in the rat of an adenosine analogue, N6–phenylisopropyladenosine. Holmgren M, et al. **J Pharm Pharmacol** 1983 Oct;35(10):679–80

Deaza analogues of adenosine as inhibitors of blood platelet aggregation. Antonini I, et al. **J Pharm Sci** 1984 Mar; 73(3):366–9

Enhancement of the antitumor activity of N6–(delta 2–isopentenyl)adenosine against cultured L–1210 leukemia cells by pentostatin using a polymeric delivery system. Hacker B, et al. **J Pharm Sci** 1983 Aug;72(8):902–5

Increased cytotoxicity of N6–(delta 2–isopentenyl)adenosine in combination with pentostatin against L–1210 leukemia cells. Hacker B, et al. **J Pharm Sci** 1983 Oct;72(10):1225–6

Renal effects of 2–chloroadenosine in the two–kidney Goldblatt rat. Churchill PC, et al. **J Pharmacol Exp Ther** 1984 Aug;230(2):302–6

Interactions in the behavioral effects of methylxanthines and adenosine derivatives. Katims JJ, et al. **J Pharmacol Exp Ther** 1983 Oct;227(1):167–73

Adenosine analogs and sleep in rats. Radulovacki M, et al. **J Pharmacol Exp Ther** 1984 Feb;228(2):268–74

On the mechanism by which adenosine receptor activation inhibits the release of acetylcholine from motor nerve endings. Silinsky EM. **J Physiol (Lond)** 1984 Jan;346:243–56

The effects of phospholipase and 2–chloroadenosine treatments on alpha 2–adrenoceptors in rat vas deferens. Watanabe Y, et al. **Jpn J Pharmacol** 1984 Jan;34(1):109–12

Electrophysiological responses to adenosine analogs in rat hippocampus and cerebellum: evidence for mediation by adenosine receptors of the A1 subtype. Dunwiddie TV, et al. **Life Sci** 1984 Jan 2;34(1):37–47

Interaction between 2–chloroadenosine and alpha–adrenoceptors in rat vas deferens. Lai RT, et al. **Life Sci** 1984 Jan 30;34(5):409–18

Affinity labeling of cAMP–dependent protein kinases. Taylor SS, et al. **Methods Enzymol** 1983;99:140–53

Effects of adenosine dialdehyde on S–adenosylhomocysteine hydrolase and S–adenosylmethionine–dependent transmethylations in mouse L929 cells. Bartel RL, et al. **Mol Pharmacol** 1984 May;25(3):418–24

Ra adenosine receptors in human platelets. Characterization by 5'–N–ethylcarboxamido[3H]adenosine binding in relation to adenylate cyclase activity. Hüttemann E, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Mar; 325(3):226–33

Evidence against the adenosine–catecholamine antagonism under in vivo conditions. Seitelberger R, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Mar; 325(3):234–9

Labelling of Ri adenosine receptors in rat fat cell membranes with (–)–[125iodo]N6–hydroxyphenylisopropyladenosine. Ukena D, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Jun;326(3):233–40

[3H]5'–N–ethylcarboxamide adenosine binds to both Ra and Ri adenosine receptors in rat striatum. Yeung SM, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Mar; 325(3):218–25

[3H]N6–(L–Phenylisopropyl) adenosine binding in brains from young and old rats. Virus RM, et al. **Neurobiol Aging** 1984 Spring;5(1):61–2

Tolerance to N6–(L–phenylisopropyl) adenosine. Contribution of behavioral mechanisms and cross–tolerance profile. Spencer DG Jr, et al. **Neuropharmacology** 1984 Jun; 23(6):671–6

Anticonvulsant effects of adenosine analogues on amygdaloid–kindled seizures in rats. Barraco RA, et al. **Neurosci Lett** 1984 May 18;46(3):317–22

An adenosine agonist inhibits and a cyclic AMP analogue enhances the release of glutamate but not GABA from slices of rat dentate gyrus. Dolphin AC, et al. **Neurosci Lett** 1983 Dec 23;43(1):49–54

The adenosine agonist 2–chloroadenosine inhibits the induction of long–term potentiation of the perforant path. Dolphin AC. **Neurosci Lett** 1983 Aug 19;39(1):83–9

Circadian variation of [3H]N6–(L–phenylisopropyl)adenosine binding in rat brain. Virus RM, et al. **Neurosci Lett** 1984 May 4;46(2):219–22

Tautomerism and conformation of the promutagenic analogue N6–methoxy–2',3',5'–tri–O–methyladenosine. Birnbaum GI, et al. **Nucleic Acids Res** 1984 Mar 12; 12(5):2447–60

Proton–coupled 15N NMR spectra of neutral and protonated ethenoadenosine and ethenocytidine. Sierzputowska–Gracz H, et al. **Nucleic Acids Res** 1984 Aug 10;12(15):6247–58

Enantioselective synthesis of new analogues of nepianocin A. Arita M, et al. **Nucleic Acids Symp Ser** 1983;(12):25–8

Adenosine analogues depress ventilation in rabbit neonates. Theophylline stimulation of respiration via adenosine receptors? Lagercrantz H, et al. **Pediatr Res** 1984 Apr; 18(4):387–90

Excited states of DNA and its components at room temperature—V. Spectral, polarization and quantum yield studies of cytidylyl–(3',5')–adenosine. Shaar CS, et al. **Photochem Photobiol** 1984 Jun;39(6):747–53

Role of N6–methyladenosine in expression of Rous sarcoma virus RNA: analyses utilizing immunoglobulin specific for N6–methyladenosine. Resnick RJ, et al. **Prog Nucleic Acid Res Mol Biol** 1983;29:214–8

N6–Methyladenosine inhibition of hypoxanthine uptake by Chinese hamster ovary cells. Holland MJ, et al. **Res Commun Chem Pathol Pharmacol** 1983 Jul;41(1):111–24

Behavioral sensitivity to purinergic drugs parallels ethanol sensitivity in selectively bred mice. Proctor WR, et al. **Science** 1984 May 4;224(4648):519–21

The effects of S–adenosyl methionine (AdoMet) and its analogues on the control of transcription and translation in vitro of the mRNA products of two cytoplasmic polyhedrosis viruses. Mertens PP, et al. **Virology** 1983 Nov; 131(1):18–29

ANALYSIS

Isolation and physiochemical properties of an adenosine–rich gluten fraction. Szabolcs M, et al. **Acta Paediatr Hung** 1983; 24(2):149–57

Comments on 'Pericardial superfusion to measure cardiac interstitial adenosine concentration' [letter] Ely SW, et al. **Am J Physiol** 1983 Dec;245(6):H1085–6

Sensitive and selective assay for adenosine using high–pressure liquid chromatography with fluorometry. Jacobson MK, et al. **Am J Physiol** 1983 Nov;245(5 Pt 1):H887–90

Quantification without purification of blood and tissue adenosine by radioimmunoassay. Bredehorst R, et al. **Anal Biochem** 1983 Nov;135(1):156–64

High–pressure liquid chromatographic–fluorometric detection of adenosine and adenine nucleotides: application to endogenous content and electrically induced release of adenyl purines in guinea pig vas deferens. Levitt B, et al. **Anal Biochem** 1984 Feb;137(1):93–100

Intracellular adenosine in isolated rat liver cells. Belloni FL, et al. **Pflugers Arch** 1984 Jan;400(1):106–8

ANTAGONISTS & INHIBITORS

Calcium antagonist verapamil inhibits adenosine–induced renal vasoconstriction in the dog. Miklós ES, et al. **Acta Physiol Hung** 1984;63(2):161–5

Increase in plasma free fatty acids and natriuresis by xanthines may reflect adenosine antagonism. Andersson KE, et al. **Eur J Clin Pharmacol** 1984;26(1):33–8

Antagonism between adenosine and bromobenzoyl–methyladamantylamine, a K+–channel blocker, in atrial myocardium of guinea pig. Mészáros J, et al. **Eur J Pharmacol** 1984 Feb 17;98(2):265–8

Aminophylline inhibition of diazepam sedation: is adenosine blockade of GABA–receptors the mechanism? Niemand D, et al. **Lancet** 1984 Feb 25;1(8374):463–4

Possible role of adenosine in the CNS effects of ethanol. Dar MS, et al. **Life Sci** 1983 Oct 3;33(14):1363–74

Pyrazolo[3,4–d]pyrimidines as adenosine antagonists. Davies LP, et al. **Life Sci** 1984 May 28;34(22):2117–28

Pyrazolo [3,4–d] pyrimidines, a new class of adenosine antagonists. Davies LP, et al. **Neurosci Lett** 1983 Oct 31; 41(1–2):189–93

Inhibition of adenosine accumulation by a CNS benzodiazepine antagonist (Ro 15–1788) and a peripheral benzodiazepine receptor ligand (Ro 05–4864). Morgan PF, et al. **Neurosci Lett** 1983 Oct 31;41(1–2):183–8

On the mechanism by which methylxanthines enhance apomorphine–induced rotation behaviour in the rat. Fredholm BB, et al. **Pharmacol Biochem Behav** 1983 Sep; 19(3):535–41

BIOSYNTHESIS

Regional and subcellular distribution in mammalian brain of the enzymes producing adenosine. Nagata H, et al. **J Neurochem** 1984 Apr;42(4):1001–7

BLOOD

Relationship between arterial and venous adenosine levels and vasodilatation during ATP– and adenosine–infusion in dogs. Sollevi A, et al. **Acta Physiol Scand** 1984 Feb; 120(2):171–6

Theophylline antagonizes cardiovascular responses to dipyridamole in man without affecting increases in plasma adenosine. Sollevi A, et al. **Acta Physiol Scand** 1984 Jun; 121(2):165–71

Biochemical study of a case of hemolytic anemia with increased (85–fold) red cell adenosine deaminase. Pérignon JL, et al. **Adv Exp Med Biol** 1984;165 Pt A:355–8

The effect of dipyridamole on plasma adenosine levels and skin micro–circulation in man. Sollevi A, et al. **Adv Exp Med Biol** 1984;165 Pt A:547

Nucleotide levels and metabolism of adenosine and deoxyadenosine in intact erythrocytes deficient in adenosine deaminase. Webster DR, et al. **Adv Exp Med Biol** 1984;165 Pt A:363–6

Removal of adenosine from the rabbit pulmonary circulation, in vivo and in vitro. Catravas JD. **Circ Res** 1984 May; 54(5):603–11

Dipyridamole inhibition of adenosine metabolism in human blood. Klabunde RE. **Eur J Pharmacol** 1983 Sep 16; 93(1–2):21–6

Measurement of adenosine, inosine, and hypoxanthine in human plasma. Ontyd J, et al. **J Chromatogr** 1984 May 11;307(2):404–9

METABOLISM

Accumulation and inactivation of adenosine by fat cells from hypothyroid rats. Fredholm BB, et al. **Acta Physiol Scand** 1984 Jun;121(2):155–63

Effect of hormones on adenine and adenosine metabolism in mammary gland in vitro. Barankiewicz J, et al. **Adv Exp Med Biol** 1984;165 Pt A:487–92

Stimulation by adenosine of adenine nucleotide turnover in isolated hepatocytes: evidence for a futile cycle between AMP and adenosine. Bontemps F, et al. **Adv Exp Med Biol** 1984;165 Pt A:475–80

Evidence for an adenosine receptor in human tissues. Kurpis L, et al. **Adv Exp Med Biol** 1984;165 Pt A:497–500

Adenosine receptors on human inflammatory cells. Marone G, et al. **Adv Exp Med Biol** 1984;165 Pt A:501–9

Photoaffinity labeling of adenosine transporter in cardiac membranes with nitrobenzylthioinosine. Kwan KF, et al. **Am J Physiol** 1984 May;246(5 Pt 2):H710–5

Adenosine transport in perfused rat kidney and renal cortical membrane vesicles. Trimble ME, et al. **Am J Physiol** 1984 Jun;246(6 Pt 2):F794–803

Modulation of adenine nucleoside excretion and incorporation in adenosine deaminase deficient human lymphoma cells. Iizasa T, et al. **Biochem Biophys Res Commun** 1984 Jun 15;121(2):514–20

A general method for visualizing enzymes releasing adenosine or adenosine–5'–monophosphate. Friedrich CA, et al. **Biochem Genet** 1984 Jun;22(5–6):389–94

Studies on the mechanism of adenosine transport in Trypanosoma vivax. Okochi VI, et al. **Biochem Int** 1983 Feb;6(2):129–39

Adenosine and the control of lipolysis in rat adipocytes during pregnancy and lactation. Vernon RG, et al. **Biochem J** 1983 Oct 15;216(1):121–8

Inhibition of the transport of adenosine, other nucleosides and hypoxanthine in novikoff rat hepatoma cells by methylxanthines, papaverine, N6–cyclohexyladenosine and N6–phenylisopropyladenosine. Plagemann PG, et al. **Biochem Pharmacol** 1984 Jun 1;33(11):1783–8

Evidence for the conversion of adenosine to 2'–deoxycoformycin by Streptomyces antibioticus. Hanvey JC, et al. **Biochemistry** 1984 Feb 28;23(5):904–7

The proposed 5'–nucleotidase inhibitor in human leukemic cells is an artefact. Dornand J, et al. **Biochim Biophys Acta** 1984 Aug 17;804(4):398–403

Spectrophotometric studies of the interaction of S–adenosylhomocysteinase with adenosine, adenine and cordycepin. Gomi T, et al. **Biochim Biophys Acta** 1984 Mar 29;785(3):177–80

Metabolism and uptake of adenosine in rat isolated lung and its inhibition. Bakhle YS, et al. **Br J Pharmacol** 1983 Jun; 79(2):509–15

Levels of adenosine and adenine nucleotides in slices of rat hippocampus. Fredholm BB, et al. **Brain Res** 1984 Mar

12;295(1):127–36
Benzodiazepine inhibition of flunitrazepam receptor binding, adenosine uptake, and pentylenetetrazol-induced seizures in mice. Chweh AY, et al. **Can J Physiol Pharmacol** 1984 Jan;62(1):132–5
Theoretical analysis of adenosine release from cardiac tissue as influenced by transport inhibitors. Wiener H, et al. **Can J Physiol Pharmacol** 1983 Aug;61(8):946–9
Nucleoside transport in heart: species differences in nitrobenzylthioinosine binding, adenosine accumulation, and drug-induced potentiation of adenosine action. Williams EF, et al. **Can J Physiol Pharmacol** 1984 Jan; 62(1):31–7
'Consistent parallel relationships among myocardial oxygen consumption, coronary blood flow, and pericardial infusate adenosine concentration with various interventions and beta-blockade in the dog' [letter] Borgdorff P, et al. **Circ Res** 1984 Mar;54(3):348
Phasic release of adenosine during steady state metabolic stimulation in the isolated guinea pig heart. DeWitt DF, et al. **Circ Res** 1983 Nov;53(5):636–43
Demonstration of specific receptors for adenosine in guinea-pig myocardium. Leung E, et al. **Clin Exp Pharmacol Physiol** 1983 May–Jun;10(3):325–9
Hypoxia elicits liberation of anti-aggregatory substances from isolated rabbit hearts. Edlund A, et al. **Clin Physiol** 1983 Oct;3(5):399–409
Interaction of anticonvulsant drugs with adenosine receptors in the central nervous system. Weir RL, et al. **Epilepsia** 1984 Aug;25(4):492–8
[3H]adenosine binding to bovine coronary arteries and myocardium. Ollinger P, et al. **Eur J Pharmacol** 1983 Sep 16;93(1–2):35–43
Changes in deoxyadenosine production during human lymphocyte mitogenesis. Iizasa T, et al. **Exp Cell Res** 1984 Mar;151(1):264–7
Inhibition of adenosine uptake into rat brain synaptosomes by prostaglandins, benzodiazepines and other centrally active compounds. Phillis JW, et al. **Gen Pharmacol** 1983; 14(5):475–9
Further studies on the inhibition of adenosine uptake into rat brain synaptosomes by adenosine derivatives and methylxanthines. Wu PH, et al. **Gen Pharmacol** 1984; 15(3):251–4
Adenosine and metabolic regulation of coronary blood flow in dogs with renal hypertension. Ely SW, et al. **Hypertension** 1983 Nov–Dec;5(6):943–50
Adenosine receptors on mouse bone marrow-derived mast cells: functional significance and regulation by aminophylline. Marquardt DL, et al. **J Immunol** 1984 Aug; 133(2):932–7
Effects of phagocytosis on antibiotic and nucleoside uptake by human polymorphonuclear leukocytes. Steinberg TH, et al. **J Infect Dis** 1984 Mar;149(3):397–403
Interaction of crystalline tyrosyl-tRNA synthetase with adenosine, adenosine monophosphate, adenosine triphosphate and pyrophosphate in the presence of tyrosinol. Monteilhet C, et al. **J Mol Biol** 1984 Mar 15; 173(4):477–85
Measurements of coronary plasma and pericardial infusate adenosine concentrations during exercise in conscious dog: relationship to myocardial oxygen consumption and coronary blood flow. Ely SW, et al. **J Mol Cell Cardiol** 1983 Oct;15(10):673–83
Increased myocardial adenosine release in heart failure. Newman WH, et al. **J Mol Cell Cardiol** 1984 Jun; 16(6):577–80
Uptake of adenosine by cultured cerebral vascular smooth muscle cells. Beck DW, et al. **J Neurochem** 1983 Oct; 41(4):939–41
Absorption and metabolism of adenine, adenosine-5'-monophosphate, adenosine and hypoxanthine by the isolated vascularly perfused rat small intestine. Salati LM, et al. **J Nutr** 1984 Apr;114(4):753–60
Nitrobenzylthioinosine inhibition of adenosine uptake in guinea-pig brain. Phillis JW, et al. **J Pharm Pharmacol** 1983 Aug;35(8):540
Measurement of adenosine metabolism and uptake in smooth muscle and effects of adenosine transport inhibitors. Baer HP, et al. **J Pharmacol Exp Ther** 1984 May;229(2):564–70
Behavioral and molecular actions of caffeine: focus on adenosine. Snyder SH, et al. **J Psychiatr Res** 1984; 18(2):91–106
Diurnal variations of S-adenosyl-L-methionine and adenosine content in the rat pineal gland. Chabannes B, et al. **Life Sci** 1984 Aug 6;35(6):589–96
Effects of chronic caffeine on brain adenosine receptors: regional and ontogenetic studies. Marangos PJ, et al. **Life Sci** 1984 Feb 27;34(9):899–907
Two affinity states of Ri adenosine receptors in brain membranes. Analysis of guanine nucleotide and temperature effects on radioligand binding. Lohse MJ, et al. **Mol Pharmacol** 1984 Jul;26(1):1–9
Interaction of barbiturates with adenosine receptors in rat brain. Lohse MJ, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 May; 326(1):69–74
Uptake of adenosine by isolated bovine cortex microvessels. Stefanovich V. **Neurochem Res** 1983 Nov;8(11):1459–69
Neurotoxicity of deoxycoformycin: effect of constant infusion on adenosine deaminase, adenosine, 2'-deoxyadenosine and monoamines in the mouse brain. Helland S, et al. **Neuropharmacology** 1983 Jul;22(7):915–7
Release of adenosine in vivo from cat caudate nucleus. Barberis C, et al. **Neurosci Lett** 1983 Oct 31;41(1–2):179–82
Enzymatic conversion of adenosine to inosine in the wobble position of yeast tRNAAsp: the dependence on the anticodon sequence. Haumont E, et al. **Nucleic Acids Res** 1984 Mar 26;12(6):2705–15
Sodium gradient-energized concentrative transport of adenosine in renal brush border vesicles. Le Hir M, et al. **Pflugers Arch** 1984 May;401(1):58–63
Regional distribution of high affinity binding of 3H-adenosine in rat brain. Traversa U, et al. **Pharmacol Res Commun** 1984 Jun;16(6):589–603
Effect of perfusate pH on coronary flow and adenosine release in isolated rabbit heart. Mustafa SJ, et al. **Proc Soc Exp Biol Med** 1984 May;176(1):22–6
Methylations of adenosine residues (m6A) in pre-mRNA are important for formation of late simian virus 40 mRNAs. Finkel D, et al. **Virology** 1983 Dec;131(2):409–25

PHARMACODYNAMICS

The effects of sympathetic stimulation and adenosine on coronary circulation and heart function in diabetes mellitus. Koltai MZ, et al. **Acta Physiol Hung** 1984;63(2):119–25
Further evidence for the purinergic inhibition of adrenergic neurotransmission in the rat portal vein. Enero MA. **Acta Physiol Lat Am** 1981;31(2):93–103
Adenosine and adenosine analogues increase blood flow in oral mucosa. Gazelius B, et al. **Acta Physiol Scand** 1984 Mar;120(3):333–6
Influence of adenosine on the vascular responses to sympathetic nerve stimulation in the canine subcutaneous adipose tissue. Sollevi A, et al. **Acta Physiol Scand** 1983 Sep;119(1):15–24
Stimulation by adenosine of adenine nucleotide turnover in isolated hepatocytes: evidence for a futile cycle between AMP and adenosine. Bontemps F, et al. **Adv Exp Med Biol** 1984;165 Pt A:475–80
Selective inhibition of various mitogen responses in human lymphocytes. Delespesse G, et al. **Adv Exp Med Biol** 1984; 165 Pt B:205–10
Adenosine-induced decrease in renin release: dissociation from hemodynamic effects. Arend LJ, et al. **Am J Physiol** 1984 Sep;247(3 Pt 2):F447–52
Adenosine and calcium alter adrenergic-induced intact heart protein phosphorylation. Fenton RA, et al. **Am J Physiol** 1984 Apr;246(4 Pt 2):H559–65
Effect of aminophylline on adenosine and exercise dilation of rat cremaster arterioles. Mohrman DE, et al. **Am J Physiol** 1984 Apr;246(4 Pt 2):H592–600
Antagonistic effect of theophylline on the adenosine-induced decreased in renin release. Spielman WS. **Am J Physiol** 1984 Aug;247(2 Pt 2):F246–51
Control of brown adipose tissue lipolysis and respiration by adenosine. Szillat D, et al. **Am J Physiol** 1983 Dec; 245(6):E555–9
Adenosine-induced bronchoconstriction in asthma. Antagonism by inhaled theophylline. Cushley MJ, et al. **Am Rev Respir Dis** 1984 Mar;129(3):380–4
Central and splanchnic hemodynamics in the dog during controlled hypotension with adenosine. Lagerkranser M, et al. **Anesthesiology** 1984 Jun;60(6):547–52
Broad-spectrum antiviral activity of adenosine analogues. De Clercq E, et al. **Antiviral Res** 1984 Jun;4(3):119–33
Differential effects of adenosine on histamine secretion induced by antigen and chemical stimuli. Nishibori M, et al. **Arch Int Pharmacodyn Ther** 1983 Sep;265(1):17–28
The ability of adenosine to decrease the concentration of fructose 2,6-bisphosphate in isolated hepatocytes. A cyclic AMP-mediated effect. Bartrons R, et al. **Biochem J** 1984 Feb 15;218(1):157–63
The effect of methyltransferase inhibitors on histamine release from human dispersed lung mast cells activated with anti-human IgE and calcium ionophore A23187. Benyon RC, et al. **Biochem Pharmacol** 1984 Sep 15;33(18):2881–6
Effects of adenosine on liver cell damage induced by carbon tetrachloride. Hernández-Muñoz R, et al. **Biochem Pharmacol** 1984 Aug 15;33(16):2599–604
Inhibitory actions of adenosine on follicle-stimulating hormone-induced differentiation of cultured rat granulosa cells. Knecht M, et al. **Biol Reprod** 1984 Jun;30(5):1082–90
Development of adenosine responsiveness after isolation of Leydig cells. Rommerts FF, et al. **Biol Reprod** 1984 May; 30(4):842–7
Effects of desensitization to adenosine 5'-triphosphate and adenosine on non-adrenergic inhibitory responses in the circular muscle of rabbit colon. Crema A, et al. **Br J Pharmacol** 1982 Feb;75(2):311–8
On the specificity and type of receptor involved in carotid body chemoreceptor activation by adenosine in the cat. McQueen DS, et al. **Br J Pharmacol** 1983 Oct;80(2):347–54
Comparative effects of adenosine and nifedipine in rabbit vascular smooth muscle. Young MA, et al. **Can J Physiol Pharmacol** 1983 Sep;61(9):1057–62
Influence of adenosine on basal myocardial function: observations in anaesthetised, domestic swine. Gewirtz H, et al. **Cardiovasc Res** 1984 Apr;18(4):220–8
Adrenergic coronary vasoconstriction in acute right ventricular hypertension. Gold FL, et al. **Cardiovasc Res** 1984 Jul;18(7):447–54
The mechanism of inhibition and 'reversal' of mitogen-induced lymphocyte activation in a model of adenosine deaminase deficiency. Albert D, et al. **Cell Immunol** 1984 Jul;86(2):510–7
Ionic basis for the antagonism between adenosine and isoproterenol on isolated mammalian ventricular myocytes. Isenberg G, et al. **Circ Res** 1984 Sep;55(3):309–25
Forskolin potentiates the coronary vasoactivity of adenosine in the open-chest dog. Kusachi S, et al. **Circ Res** 1984 Jul;55(1):116–9
Dromotropic effects of adenosine and adenosine antagonists in the treatment of cardiac arrhythmias involving the atrioventricular node. Berne RM, et al. **Circulation** 1984 Jun;69(6):1195–7
Contrasting effects of nifedipine and adenosine on regional myocardial flow distribution and metabolism distal to a severe coronary arterial stenosis: observations in sedated, closed-chest, domestic swine. Gewirtz H, et al. **Circulation** 1984 May;69(5):1048–57
Adenosine A2 receptors on human monocytes modulate C2 production. Lappin D, et al. **Clin Exp Immunol** 1984 Aug; 57(2):454–60
The effect of adenyl compounds on the heart of the dogfish, Scyliorhinus canicula. Meghji P, et al. **Comp Biochem Physiol [C]** 1984;77(2):295–300
Stimulation of ATP synthesis in hypothermically perfused dog kidneys by adenosine and PO4. Southard JH, et al. **Cryobiology** 1984 Feb;21(1):13–9
Rabbit corneal endothelial permeability in the presence and absence of adenosine and glutathione. Green K, et al. **Curr Eye Res** 1982–83;2(12):797–802
Null effect of adenosine on cyclic nucleotides of the corneal endothelium: possible implications for adenosine-stimulated corneal deturgescence. Zagrod ME, et al. **Curr Eye Res** 1984 Feb;3(2):293–8
Adenosine relaxes the aorta by interacting with an A2 receptor and an intracellular site. Collis MG, et al. **Eur J Pharmacol** 1983 Dec 9;96(1–2):61–9
Calcium movements and the mechanism of the relaxation induced by adenosine in the guinea-pig taenia coli. Frischknecht R, et al. **Eur J Pharmacol** 1984 Apr 13; 100(1):97–102
The effects of aminophylline on adenosine and ATP actions on sinoatrial conduction in the isolated, blood-perfused dog atrium. Kobayashi M, et al. **Eur J Pharmacol** 1983 Jul 22; 91(2–3):261–5
Stimulation of P1-purinoceptors by ATP depends partly on its conversion to AMP and adenosine and partly on direct action. Moody CJ, et al. **Eur J Pharmacol** 1984 Jan 13; 97(1–2):47–54
Adenosine causes contractions in spiral strips and relaxations in transverse strips of guinea-pig trachea: studies on mechanism of action. Satchell D, et al. **Eur J Pharmacol** 1984 Jun 1;101(3–4):243–7
Adenosine activates a potassium conductance in guinea-pig atrial heart muscle. Jochem G, et al. **Experientia** 1983 Dec 15;39(12):1347–9
The synergistic action of caffeine or adenosine on glucose stimulation of liver glycogen synthase phosphatase activity. Gilboe DP, et al. **FEBS Lett** 1984 May 21;170(2):365–9
Characteristics of release pattern of somatostatin and glucagon of pancreatic islets cultured in glucose and adenosine. Yoshioka M, et al. **Horm Metab Res** 1983 Aug; 15(8):405–7
Regulation of thymocyte proliferation by endogenous adenosine and adenosine deaminase. Sandberg G. **Int J Immunopharmacol** 1983;5(4):259–65
Adenosine as a bronchoconstrictor mediator in asthma and its antagonism by methylxanthines. Holgate ST, et al. **J Allergy Clin Immunol** 1984 Sep;74(3 Pt 1):302–6
Electrophysiologic effects of adenosine triphosphate and adenosine on the mammalian heart: clinical and experimental aspects. Belhassen B, et al. **J Am Coll Cardiol** 1984 Aug;4(2):414–24 (95 ref.)
Adenosine-resistant Chinese hamster fibroblast variants with hyperactive adenosine-deaminase: an analysis of the protection against exogenous adenosine afforded by increased activity of the deamination pathway. Fernandez-Mejia C, et al. **J Cell Physiol** 1984 Sep; 120(3):321–8
Adenosine inhibits cell division and promotes neurite extension in PC12 cells. Huffaker T, et al. **J Cell Physiol** 1984 Aug;120(2):188–96
Adenosine causes dilatation and constriction of hypothalamic blood vessels. Livemore P, et al. **J Cereb Blood Flow Metab** 1983 Dec;3(4):529–34
Adenosine and adenosine analogues stimulate adenosine cyclic 3', 5'-monophosphate-dependent chloride secretion in the mammalian ileum. Dobbins JW, et al. **J Clin Invest** 1984 Sep;74(3):929–35
Effect of adenosine on synthesis and release of cyclic AMP by cultured vascular cells from swine. Goldman SJ, et al. **J Cyclic Nucleotide Protein Phosphor Res** 1983;9(1):69–78
Effects of adenosine and 2'-deoxyadenosine on epidermal keratinocyte proliferation: its relation to cyclic AMP formation. Iizuka H, et al. **J Invest Dermatol** 1984 Jun; 82(6):608–12
Modulation by unsaturated fatty acids of norepinephrine- and adenosine-induced formation of cyclic AMP in brain slices. Baba A, et al. **J Neurochem** 1984 Jan;42(1):192–7
Regulation of depolarization-dependent release of neurotransmitters by adenosine: cyclic AMP-dependent enhancement of release from PC12 cells. Rabe CS, et al. **J Neurochem** 1983 Dec;41(6):1623–34

Possible role of increased brain methylation in methionine sulfoximine epileptogenesis: effects of administration of adenosine and homocysteine thiolactone. Schatz RA, et al. **J Neurosci Res** 1983;10(4):437–47

Adenosine inhibition of catecholamine-induced increase in force of contraction in guinea-pig atrial and ventricular heart preparations. Evidence against a cyclic AMP- and cyclic GMP-dependent effect. Böhm M, et al. **J Pharmacol Exp Ther** 1984 Aug;230(2):483–92

Effect of exogenous adenosine on resistance, capillary permeability-surface area and flow in ischemic canine myocardium. Overholser KA, et al. **J Pharmacol Exp Ther** 1984 Apr;229(1):148–53

Adenosine attenuation of the electrophysiological effects of isoproterenol on canine cardiac Purkinje fibers. Rardon DP, et al. **J Pharmacol Exp Ther** 1984 Mar;228(3):792–8

Interactions between the effects of adenosine and calcium on synaptic responses in rat hippocampus in vitro. Dunwiddie TV. **J Physiol (Lond)** 1984 May;350:545–59

Stimulation of electrolyte secretion in rabbit colon by adenosine. Grasl M, et al. **J Physiol (Lond)** 1984 Jan; 346:93–110

Potentiation of antiaggregating activity of adenosine by a phosphodiesterase inhibitor, EG626 (oxagrelate), in human platelets in vitro. Azuma H, et al. **Jpn J Pharmacol** 1984 Feb;34(2):159–70

Mechanism of potentiation by diazepam of adenosine response. Mehta AK, et al. **Life Sci** 1984 Jan 2;34(1):81–6

Cardiac actions of adenosine. Lubbe WF. **Methods Find Exp Clin Pharmacol** 1984 Apr;6(4):171–7 (43 ref.)

Heart microvessels: presence of adenylate cyclase stimulated by catecholamines, prostaglandins, and adenosine. Mistry G, et al. **Microvasc Res** 1983 Sep;26(2):157–69

The hormonal control of adenylate cyclase in rabbit myometrium: in vitro inhibition by adenosine and lack of effect of progesterone. Thomas G, et al. **Mol Cell Endocrinol** 1984 May;35(2–3):177–82

Adenosine mediates a slow hyperpolarizing synaptic potential in autonomic neurones. Akasu T, et al. **Nature** 1984 Sep 6–11;311(5981):62–5

Inhibition of acetylcholine release from preganglionic frog nerves by ATP but not adenosine. Silinsky EM, et al. **Nature** 1983 Sep 22–28;305(5932):327–8

Effects of indomethacin on changes in renal blood flow induced by adenosine and its analogues in conscious dogs. Beck A, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 May;326(1):75–9

Evidence against the adenosine–catecholamine antagonism under in vivo conditions. Seitelberger R, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Mar; 325(3):234–9

Effect of hypotension induced by ATP and adenosine on brain surface oxygen tensions in the sheep. Laycock JR, et al. **Neurol Res** 1984 Mar–Jun;6(1–2):75–8

The effects of adenosine and 2'-deoxycoformycin on sleep and wakefulness in rats. Virus RM, et al. **Neuropharmacology** 1983 Dec;22(12A):1401–4

Diazepam potentiates GABA-, but not adenosine-mediated, inhibition of neurons of the nigral pars reticulata. Waszczak BL. **Neuropharmacology** 1983 Aug;22(8):953–9

Behavioral interaction of adenosine and methylxanthines on central purinergic systems. Coffin VL, et al. **Neurosci Lett** 1984 Jun 15;47(2):91–8

Diminished arterial smooth muscle response to adenosine during Na–K pump inhibition. Foley DH. **Pflugers Arch** 1984 Jan;400(1):88–95

Adenosine and ATP effects on isolated guinea pig gallbladder. Naughton P, et al. **Pflugers Arch** 1983 Sep; 399(1):42–5

Effect of intraventricular adenosine on food intake in rats. Levine AS, et al. **Pharmacol Biochem Behav** 1983 Jul; 19(1):23–6

Preliminary data concerning adenosine action upon the evoked potential after electrical stimulation of the vibrissal follicles in the adult rat. Petrescu G, et al. **Physiologie** 1983 Oct–Dec;20(4):229–33

Adenosine-dependent activation of tyrosine hydroxylase is defective in adenosine kinase-deficient PC12 cells. Erny R, et al. **Proc Natl Acad Sci USA** 1984 Aug;81(15):4974–8

Both hypoxanthine and adenosine stimulate DNA synthesis independently in serum-starved L cells treated with platelet protein. Klenow H, et al. **Proc Natl Acad Sci USA** 1983 Dec;80(24):7420–3

Adenosine strongly potentiates pressor responses to nicotine in rats. von Borstel RW, et al. **Proc Natl Acad Sci USA** 1984 Sep;81(17):5599–603

Action of adenosine on energy metabolism and on glucose-6-phosphate dehydrogenase in rat brains. Laborit H, et al. **Res Commun Chem Pathol Pharmacol** 1984 Apr; 44(1):123–30

Synergistic interaction and platelet inhibitory agonists. Osmani AH, et al. **Thromb Res** 1983 Sep 1;31(5):665–74

Beneficial effects of adenosine and phosphate in kidney preservation. Belzer FO, et al. **Transplantation** 1983 Dec; 36(6):633–5

[Effects of adenosine on histamine-induced contraction of isolated guinea pig tracheal rings] Nishida Y, et al. **Arerugi** 1983 May;32(5):253–5 (Eng. Abstr.) **(Jpn)**

[Sympathetic nervous system and response of the coronary artery to some drugs] Tsukada T, et al. **Kokyu To Junkan** 1983 Nov;31(11):1159–62 **(Jpn)**

[Effect of adenosine, AMP and papaverine on the cAMP content in thymocytes prelabelled with 14C-adenine] Dmitrenko NP, et al. **Biull Eksp Biol Med** 1984 Aug; 97(8):181–3 (Eng. Abstr.) **(Rus)**

[Blocking action of adenosine and ATP on synaptic transmission in isolated slices of the rat brain] Artemenko DP, et al. **Neirofiziologiia** 1983;15(6):639–47 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Contribution of adenosine to the regulation of cerebral blood flow: the role of calcium ions in the adenosine-induced cerebrocortical vasodilatation. Kovách AG, et al. **Adv Exp Med Biol** 1984;169:315–25

Adenosine as a mediator of postcontraction hyperemia in dog gracilis muscle. Kille JM, et al. **Am J Physiol** 1984 Feb; 246(2 Pt 2):H274–82

Role of adenosine as an endogenous regulator of respiration in hamster brown adipocytes. Schimmel RJ, et al. **Am J Physiol** 1984 Mar;246(3 Pt 1):C301–7

Regulation by adenosine of the vasopressin-sensitive adenylate cyclase in pig-kidney cells (LLC-PK1L) grown in defined media. Roy C. **Eur J Biochem** 1984 Sep 3; 143(2):243–50

Adenosine modulation of amygdala kindling. Dragunow M, et al. **Exp Neurol** 1984 Jun;84(3):654–65

Adenosine in the local regulation of blood flow: a brief overview. Berne RM, et al. **Fed Proc** 1983 Dec; 42(15):3136–42

Adenosine: a physiological modulator of superoxide anion generation by human neutrophils. Cronstein BN, et al. **J Exp Med** 1983 Oct 1;158(4):1160–77

Ligand selectivity of dog coronary adenosine receptor resembles that of adenylate cyclase stimulatory (Ra) receptors. Kusachi S, et al. **J Pharmacol Exp Ther** 1983 Nov;227(2):316–21

Adenosine-mediated relaxation and activation of cyclic AMP-dependent protein kinase in coronary arterial smooth muscle. Silver PJ, et al. **J Pharmacol Exp Ther** 1984 Feb; 228(2):342–7

Hypertrophic cardiomyopathy: a disease of impaired adenosine-mediated autoregulation of the heart. Watt AH. **Lancet** 1984 Jun 9;1(8389):1271–3

Endogenous adenosine inhibits excitatory transmission in the rat olfactory cortex slice. Motley SJ, et al. **Neuropharmacology** 1983 Sep;22(9):1081–6

Adenosine receptors in the mammalian central nervous system. Williams M. **Prog Neuropsychopharmacol Biol Psychiatry** 1983; 7(4–6):443–50

Caffeine actions and adenosine. Gould RJ, et al. **Psychopharmacol Bull** 1984 Summer;20(3):436–40

Immunohistochemistry of adenosine deaminase: implications for adenosine neurotransmission. Nagy JI, et al. **Science** 1984 Apr 13;224(4645):166–8

The role of adenosine in CBF increases during hypoxia in young vs aged rats. Hoffman WE, et al. **Stroke** 1984 Jan–Feb;15(1):124–9

THERAPEUTIC USE

Acute management of paroxysmal supraventricular tachycardia: verapamil, adenosine triphosphate or adenosine? Belhassen B, et al. **Am J Cardiol** 1984 Jul 1; 54(1):225–7

Adenosine: electrophysiologic effects and therapeutic use for terminating paroxysmal supraventricular tachycardia. DiMarco JP, et al. **Circulation** 1983 Dec;68(6):1254–63

Reduction of acute adriamycin toxicity in mice treated with adenosine. Hacker MP, et al. **Eur J Cancer Clin Oncol** 1983 Aug;19(8):1121–6

Antiarrhythmic actions of adenosine in the early stages of experimental myocardial ischaemia. Fagbemi O, et al. **Eur J Pharmacol** 1984 Apr 20;100(2):243–4

[Adenosine and diltiazem: new therapeutic aspects in the treatment of mesenteric insufficiency] Seemann WR, et al. **Vasa** 1984;13(1):65–71 (Eng. Abstr.) **(Ger)**

TOXICITY

Increased adenosine deaminase (ADA) activity and a shift from ADA-dependent to ADA-independent phases during T-cell activation: a paradox. Veit BC, et al. **JNCI** 1984 May;72(5):1151–9

ADENOSINE CYCLIC MONOPHOSPHATE

ANALOGS & DERIVATIVES

Assessment of selective inhibition of rat cerebral cortical calcium-independent and calcium-dependent phosphodiesterases in crude extracts using deoxycyclic AMP and potassium ions. Davis CW. **Biochim Biophys Acta** 1984 Mar 1;797(3):354–62

Influence of adenosine 3':5'-cyclic monophosphate analogues on testicular organization of fetal mouse gonads in vitro. Taketo T, et al. **Biol Reprod** 1984 Feb;30(1):189–98

Role of plasminogen activator in the morphological alterations induced by derivatives of adenosine cyclic 3':5'-monophosphate in hepatoma tissue culture cells. Barouski-Miller PA, et al. **Cancer Res** 1983 Dec;43(12 Pt 1):5922–30

Inhibitory action of certain cyclophosphate derivatives of cAMP on cAMP-dependent protein kinases. de Wit RJ, et al. **Eur J Biochem** 1984 Jul 16;142(2):255–60

Investigations on stimulation of lac transcription in vivo in Escherichia coli by cAMP analogues. Biological activities and structure-activity correlations. Scholübbers HG, et al. **Eur J Biochem** 1984 Jan 2;138(1):101–9

Two classes of cAMP analogs which are selective for the two different cAMP-binding sites of type II protein kinase demonstrate synergism when added together to intact adipocytes. Beebe SJ, et al. **J Biol Chem** 1984 Mar 25; 259(6):3539–47

Inhibition of glucagon-induced glycogenolysis in isolated rat hepatocytes by the Rp diastereomer of adenosine cyclic 3',5'-phosphorothioate. Rothermel JD, et al. **J Biol Chem** 1984 Jul 10;259(13):8151–5

Inhibition of glycogenolysis in isolated rat hepatocytes by the Rp diastereomer of adenosine cyclic 3',5'-phosphorothioate. Rothermel JD, et al. **J Biol Chem** 1983 Oct 25;258(20):12125–8

Competitive cAMP antagonists for cAMP-receptor proteins. Van Haastert PJ, et al. **J Biol Chem** 1984 Aug 25; 259(16):10020–4

DeoxyATP as a substrate for cardiac adenylate cyclase: a radioimmunoassay for cyclic deoxyAMP. Ridgeway AM, et al. **J Pharm Pharmacol** 1983 Oct;35(10):692

Fibronectin synthesis by the rabbit cornea: effects of mouse epidermal growth factor and cyclic AMP analogs. Nishida T, et al. **Jpn J Ophthalmol** 1984;28(2):196–202

Using analogs to study selectivity and cooperativity of cyclic nucleotide binding sites. Rannels SR, et al. **Methods Enzymol** 1983;99:168–75

Photoaffinity labeling of the regulatory subunit of cAMP-dependent protein kinase. Walter U, et al. **Methods Enzymol** 1983;99:154–62

Use of 1,N6-etheno-cAMP as a fluorescent probe to study cAMP-dependent protein kinase. White HD, et al. **Methods Enzymol** 1983;99:162–7

New photoactivatable cyclic nucleotides produce intracellular jumps in cyclic AMP and cyclic GMP concentrations. Nerbonne JM, et al. **Nature** 1984 Jul 5–11; 310(5972):74–6

[Effects of 8-benzylthio-N6-n-butyl-adenosine-3',5'-monophosphate on cardiovascular system. 1. Cardiac output and myocardial contraction] Kotaki M. **Masui** 1983 Nov;32(11):1340–6 (Eng. Abstr.) **(Jpn)**

ANALYSIS

On the possible role of biliverdin stimulation of cyclic AMP levels as a trigger for liver regeneration in the rat. Phillips O, et al. **Biochem Pharmacol** 1984 Jun 15;33(12):1963–7

Brain cAMP response to phosphodiesterase inhibitors in rats killed by microwave irradiation or decapitation. Schneider HH. **Biochem Pharmacol** 1984 May 15;33(10):1690–3

Low concentrations of prostaglandin E2 inhibit the prostacyclin-induced elevation of cyclic adenosine 3',5'-monophosphate in elicited populations of rat peritoneal macrophages. Adolfs MJ, et al. **Br J Pharmacol** 1982 Feb;75(2):373–6

Cyclic adenosine 3',5'-monophosphate and beta-effects in rat isolated superior cervical ganglia. Brown DA, et al. **Br J Pharmacol** 1983 Jun;79(2):441–9

Effects of increasing the frequency of twitches and of isoprenaline on maximal twitches and cyclic AMP levels in slow- and fast-contracting cat skeletal muscles. Merican Z, et al. **Br J Pharmacol** 1983 Oct;80(2):303–8

Circadian rhythm of adenosine-3',5'-monophosphate content in suprachiasmatic nucleus (SCN) and ventromedial hypothalamus (VMH) in the rat. Murakami N, et al. **Brain Res** 1983 Oct 16;276(2):297–304

Phospholipases elevate cyclic AMP levels and promote neurite extension in a clonal nerve cell line. Traynor AE, et al. **Brain Res** 1984 Jun;316(2):197–204

The relationship between neurite extension and phospholipid metabolism in PC12 cells. Traynor AE. **Brain Res** 1984 Jun;316(2):205–10

Cyclic AMP is not detectable in Clostridium perfringens. Setlow P, et al. **Can J Microbiol** 1983 Sep;29(9):1228–30

Immunofluorescent localization of cGMP, cGMP-dependent protein kinase, calmodulin and cAMP in the rat uterus. Effects of estrogen treatment. Flandroy L, et al. **Cell Tissue Res** 1983;233(3):639–46

Synergistic effect between antitubulin agents and cellular cAMP in stimulating DNA synthesis by 3T3 cells. Wang ZW. **Chung Kuo Yao Li Hsueh Pao** 1983 Sep;4(3):205–10

Effects of dopamine on exocrine secretion and cyclic nucleotide concentration in the dog pancreas. Iijima F, et al. **Eur J Pharmacol** 1983 Sep 2;92(3–4):191–7

Adrenal hormones and liver cAMP in exercising rats—different modes of anesthesia. Winder WW, et al. **J Appl Physiol** 1983 Nov;55(5):1634–6

Differential sensitivity of fibroblasts to epidermal growth factor is related to cyclic AMP concentration. Olashaw NE, et al. **J Cell Physiol** 1984 Mar;118(3):291–7

Neuroblastoma membranes inhibit isoproterenol-stimulated rise of cAMP in glioma cells. Wu DK, et al. **J Cell Physiol** 1984 Mar;118(3):241–6

Prostaglandins fail to elevate cyclic AMP levels in mouse epidermis in vivo and in vitro. Garte SJ, et al. **J Invest Dermatol** 1983 Nov;81(5):422–3

Myocardial cyclic AMP determinations: the importance of

rapidity of sample freezing. Hearse DJ. **J Mol Cell Cardiol** 1983 Oct;15(10):653–7

Effect of morphine on the tissue cyclic AMP and cyclic GMP content in two strains of mice. Muraki T, et al. **J Pharm Pharmacol** 1984 Jul;36(7):490–2

Isoproterenol–induced amylase release in rabbit parotid acini: relation of protein phosphorylation, cyclic AMP and related kinase activity to changes in secretory rate. Horio B, et al. **J Pharmacol Exp Ther** 1984 May;229(2):608–14

Adrenalectomy abolishes the stress–induced increase in pituitary cyclic AMP. Meyerhoff JL, et al. **Life Sci** 1984 May 14;34(20):1959–65

Effect of PGE2 on the cell cyclic AMP content in the thin descending limb of Henle of the rat. Torikai S, et al. **Miner Electrolyte Metab** 1984;10(1):21–5

Use of protein A–positive Staphylococci as adsorbent in a radioimmunoassay for cyclic AMP and cyclic GMP. Svenson M, et al. **Scand J Clin Lab Invest** 1983 Feb; 43(1):67–72

Prostaglandin E1: cAMP level and radiosensitivity of cultured B–82 cells. Chirkov YY, et al. **Strahlentherapie** 1984 Aug;160(8):521–2

[cAMP and cGMP content in transplanted mammary gland tumors in mice] Ivanova Ts, et al. **Eksp Med Morfol** 1984; 23(2):96–8 (Eng. Abstr.) **(Bul)**

[Changes in cyclic AMP of the lung tissue and plasma in experimental silicosis] Yang JZ. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1983 Oct;6(5):280–1 (Eng. Abstr.) **(Chi)**

[Properties of cancer–inhibition factor and its relation to cyclic AMP] Zhao YL. **Chung Hua Chung Liu Tsa Chih** 1984 Mar;6(2):90–2 (Eng. Abstr.) **(Chi)**

[Effects of selenium on hepatoma and the normal liver. I. Effects of selenium on the cyclic AMP level] Yu SY, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1983 Jun;5(3):196–8 (Eng. Abstr.) **(Chi)**

[Effects of bimolane on size, metastases and cyclic AMP levels of Lewis lung carcinoma] Huang KW, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Mar;5(1):69–71 (Eng. Abstr.) **(Chi)**

[Influences of seizures, epilepsy and anticonvulsant drugs on the cyclic nucleotides regulation of the central nervous system] Pei YQ. **Sheng Li Ko Hsueh Chin Chan** 1983 Jul; 14(3):269–71 **(Chi)**

[The effects of harringtonine and allied alkaloids on the cAMP level of leukemic cells of L615 and P388] Li ZR, et al. **Yao Hsueh Hsueh Pao** 1983 Apr;18(4):303–6 (Eng. Abstr.) **(Chi)**

[Effects of melatonin, taurine and phagocytic reaction on cyclic AMP and cyclic GMP concentrations in cultured chick retinal pigment epithelial cells] Shirakawa H, et al. **Nippon Ganka Gakkai Zasshi** 1984 Jan;88(1):52–7 (Eng. Abstr.) **(Jpn)**

[Concentration of cyclic adenosine–3'5'–monophosphate and guanosine–3'5'–monophosphate in placental cells during physiologic and complicated pregnancy and during labor] Radzinskii VE, et al. **Akush Ginekol (Mosk)** 1984 Jan; (1):33–4 (Eng. Abstr.) **(Rus)**

[Cyclic nucleotide content in rat tissues in insulin hypoglycemia] Valueva GV, et al. **Fiziol Zh** 1984 Jul–Aug; 30(4):473–7 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Lithium at therapeutic concentrations inhibits human brain noradrenaline–sensitive cyclic AMP accumulation. Newman M, et al. **Brain Res** 1983 Nov 14;278(1–2):380–1

[Modification of the muscle strength of rats by drugs affecting the production of cyclic 3', 5'–AMP and prostaglandins] Marev R. **Eksp Med Morfol** 1983;22(2):88–92 (Eng. Abstr.) **(Bul)**

BIOSYNTHESIS

Enhancement of adenosine 3',5'–monophosphate in human mononuclear and polymorphonuclear leukocytes by snake venoms. Stolc V. **Am J Hematol** 1984 Aug;17(2):105–12

Gastric inhibitory peptide (GIP), pancreatic glucagon and vasoactive intestinal peptide (VIP) are cAMP–inducing hormones in the human gastric cancer cell line HGT–1. Homologous desensitization of VIP receptor activity. Gespach C, et al. **Biochem Biophys Res Commun** 1984 Apr 30;120(2):641–9

Effects of forskolin on progesterone and cyclic adenosine monophosphate production in avian granulosa cells. Asem EK, et al. **Biol Reprod** 1983 Dec;29(5):1098–104

Prostaglandin E2, adenosine 3':5'–cyclic monophosphate and changes in endometrial vascular permeability in rat uteri sensitized for the decidual cell reaction. Kennedy TG. **Biol Reprod** 1983 Dec;29(5):1069–76

Recovery of beta–adrenoceptors and cyclic AMP response after long term treatment of intact heart cells with beta–blockers. Becker C, et al. **Br J Pharmacol** 1984 Jul; 82(3):745–55

GABAB receptors and norepinephrine–stimulated cAMP production in rat brain cortex. Karbon EW, et al. **Brain Res** 1984 Jul 23;306(1–2):327–32

alpha–Noradrenergic potentiation of neurotransmitter–stimulated cAMP production in rat striatal slices. Leblanc GG, et al. **Brain Res** 1984 Feb 13; 293(1):57–65

Biochemical pathways involved in the translation of physical stimulus into biological message. Binderman I, et al. **Calcif Tissue Int** 1984;36 Suppl 1:S82–5

Divergent effects of forskolin on 3',5' cyclic adenosine monophosphate production and parathyroid hormone secretion. Cantley LK, et al. **Calcif Tissue Int** 1984 Jan; 36(1):87–94

Effects of vitamin D and parathyroid hormone on cyclic AMP production by bone cells isolated from rat calvariae. Cro vell JA Jr, et al. **Calcif Tissue Int** 1984 May;36(3):320–6

Biochemical mediators of the effects of mechanical forces and electric currents on mineralized tissues. Davidovitch Z, et al. **Calcif Tissue Int** 1984;36 Suppl 1:S86–97

Adriamycin inhibits PTH–mediated but not PGE2–mediated stimulation of cyclic AMP formation in isolated bone cells. Kohler G, et al. **Calcif Tissue Int** 1984 May;36(3):279–84

Benzo(B)thiophene–2–carboxylic acid: calcium uptake and cyclic AMP production in isolated bone cells. Robin JC, et al. **Calcif Tissue Int** 1984 Mar;36(2):194–9

Forskolin stimulates cyclic AMP synthesis, lowers intraocular pressure and increases outflow facility in rabbits. Bartels SP, et al. **Curr Eye Res** 1982–83; 2(10):673–81

Caffeine blocks activation of cyclic AMP synthesis in Dictyostelium discoideum. Brenner M, et al. **Dev Biol** 1984 Jan;101(1):136–46

cAMP synthesis in the rat oocyte. Olsiewski PJ, et al. **Dev Biol** 1983 Dec;100(2):287–93

Homologous desensitization of cultured chick kidney cells to parathyroid hormone. Henry HL, et al. **Endocrinology** 1983 Dec;113(6):1942–9

Dependence of cyclic nucleotide production and luteinizing hormone receptor formation upon ribonucleic acid synthesis in cultured rat granulosa cells. Knecht M, et al. **Endocrinology** 1984 Sep;115(3):904–10

Interactions of a phosphodiesterase inhibitor, 3–isobutyl–1–methyl xanthine, with prostaglandin E2, follicle–stimulating hormone, luteinizing hormone, and dibutyryl cyclic 3',5'–adenosine monophosphate (cAMP) in cAMP and steroid production by neonatal rat ovaries in vitro. Reddoch RB, et al. **Endocrinology** 1984 Jul; 115(1):11–8

Regulation of prostaglandin E, progesterone, and cyclic adenosine monophosphate production in ovarian granulosa cells by luteinizing hormone and gonadotropin–releasing hormone agonist: comparative studies. Zilberstein M, et al. **Endocrinology** 1984 Jun;114(6):2374–81

Deglycosylated luteinizing hormone (LH) prevents desensitization of cyclic adenosine monophosphate response by LH: dissociation between receptor uncoupling and down–regulation. Zor U, et al. **Endocrinology** 1984 Jun; 114(6):2143–7

Synthesis of prostanoids and cyclic nucleotides by phagocytosing rat Kupffer cells. Birmelin M, et al. **Eur J Biochem** 1984 Jul 16;142(2):219–25

Neurotensin stimulates formation of cyclic GMP in murine neuroblastoma clone N1E–115. Gilbert JA, et al. **Eur J Pharmacol** 1984 Mar 23;99(2–3):245–6

12–O–tetradecanoyl–phorbol–13–acetate–induced ACTH secretion in pituitary tumor cells. Heisler S. **Eur J Pharmacol** 1984 Feb 17;98(2):177–83

Effects of prostaglandins and divalent cations on cAMP production in isolated rat hepatocytes. Grinde B, et al. **Exp Cell Res** 1983 Oct;148(1):163–72

Hydrocortisone and isoproterenol effects on trachealis cAMP and relaxation. Rinard GA, et al. **J Appl Physiol** 1983 Nov; 55(5):1609–13

Enzyme III stimulation of cyclic AMP synthesis in an Escherichia coli crp mutant. Daniel J. **J Bacteriol** 1984 Mar;157(3):940–1

Regulation of cyclic AMP synthesis in Escherichia coli K–12: effects of the rpoD800 sigma mutation, glucose, and chloramphenicol. Grossman AD, et al. **J Bacteriol** 1984 Apr;158(1):110–4

Extracellular cyclic AMP during development of the cellular slime mold Polysphondylium violaceum: comparison of accumulation in the wild type and an aggregation–defective mutant. Hanna MH, et al. **J Bacteriol** 1984 Feb;157(2):345–9

Bleomycin–induced pulmonary fibrosis in hamsters. An alveolar macrophage product increases fibroblast prostaglandin E2 and cyclic adenosine monophosphate and suppresses fibroblast proliferation and collagen production. Clark JG, et al. **J Clin Invest** 1983 Dec;72(6):2082–91

Forskolin does not activate cyclic AMP synthesis in Dictyostelium discoideum in vivo or in vitro. Brenner M, et al. **J Cyclic Nucleotide Protein Phosphor Res** 1983; 9(4–5):297–303

Effect of adenosine on synthesis and release of cyclic AMP by cultured vascular cells from swine. Goldman SJ, et al. **J Cyclic Nucleotide Protein Phosphor Res** 1983;9(1):69–78

Effect of forskolin on primary cultures of astrocytes and oligodendrocytes. Wu DK, et al. **J Cyclic Nucleotide Protein Phosphor Res** 1983;9(1):59–67

Activity of LH receptor, LH–stimulated cyclic AMP and testosterone production in the Leydig cell of heat–acclimatized rats. Bedrak E, et al. **J Endocrinol** 1984 Aug;102(2):167–73

Differences in prostaglandin E2, prostaglandin F2 alpha and prostacyclin contents and their response to thyrotrophin stimulation and in prostaglandin–stimulated cyclic AMP response in normal and Grave's thyroid slices. Takasu N, et al. **J Endocrinol** 1983 Sep;98(3):357–63

Regulation of human natural killing. III. Mechanism for interferon induction of loss of susceptibility to suppression by cyclic AMP elevating agents. Leung KH, et al. **J Immunol** 1984 Mar;132(3):1445–50

Colchicine–induced alteration of hormone–stimulated cyclic AMP synthesis in pig skin (epidermis). Iizuka H, et al. **J Invest Dermatol** 1984 Apr;82(4):357–61

Effects of adenosine and 2'–deoxyadenosine on epidermal keratinocyte proliferation: its relation to cyclic AMP formation. Iizuka H, et al. **J Invest Dermatol** 1984 Jun; 82(6):608–12

Specific receptor–mediated inhibition of cyclic AMP synthesis by dopamine in a neuroblastoma X brain hybrid cell line NCB–20. Berry–Kravis E, et al. **J Neurochem** 1984 Aug;43(2):413–20

Effect of cortisol on cyclic AMP production stimulated by 1–24 ACTH in adrenal cortex membranes. Cook DB, et al. **J Steroid Biochem** 1984 May;20(5):1113–5

Adenosine 3',5'–monophosphate and testosterone responses of normal and desensitized Leydig cells to forskolin. Lin T. **Life Sci** 1983 Dec 19;33(25):2465–71

Corticotropin releasing factor stimulates cAMP formation in pituitary corticotropic tumor cells. Parenti M, et al. **Life Sci** 1984 Jan 23;34(4):359–63

Forskolin–induced cyclic AMP production and gastric acid secretion in dispersed rabbit parietal cells: novel evidence for a major role of cyclic AMP in acid release. Takahashi S, et al. **Life Sci** 1983 Oct 3;33(14):1401–8

Decreased glucagon–stimulated cyclic AMP production by isolated liver cells of rats with type 2 diabetes. Portha B, et al. **Mol Cell Endocrinol** 1983 Sep;32(1):13–26

Corticotropin–induced desensitization: steroidogenic and cyclic AMP responses in superfused adrenocortical cells. Schulster D, et al. **Mol Cell Endocrinol** 1984 Jun; 36(1–2):43–51

LHRH agonist decreases LH– but not forskolin–stimulated cyclic AMP levels in rat Leydig cells in vitro. Sullivan MH, et al. **Mol Cell Endocrinol** 1984 Jun;36(1–2):115–22

Distinct mechanisms of forskolin–stimulated cyclic AMP accumulation and forskolin–potentiated hormone responses in C6–2B cells. Barovsky K, et al. **Mol Pharmacol** 1984 Mar;25(2):256–60

Effect of zinc ion on human chorionic gonadotropin–stimulated in vitro production of cyclic AMP and testosterone by rat testis. Nishi Y, et al. **Pediatr Res** 1984 Mar;18(3):232–5

Effects of solute concentration on vasopressin stimulated cyclic AMP generation in the rat medullary thick ascending limbs of Henle's loop. Torikai S, et al. **Pflugers Arch** 1984 Mar;400(3):306–8

Magnesium ions potentiate the formation of adenosine 3',5'–monophosphate induced by depolarizing agents in the rat cerebral cortex in vivo. Křivánek J. **Physiol Bohemoslov** 1984;33(1):23–30

Prostaglandin F2 alpha inhibition of epinephrine stimulated cyclic AMP and progesterone production by rat corpora lutea of various ages. Ahrén K, et al. **Prostaglandins** 1983 Jun;25(6):839–51

Beta–adrenergic stimulation of prostaglandin production by human amnion tissue. Di Renzo GC, et al. **Prostaglandins** 1984 Jan;27(1):37–49

Ventricular fibrillation threshold and myocardial cyclic AMP production in rats sensitive or resistant to isoproterenol. Joseph X, et al. **Res Commun Chem Pathol Pharmacol** 1984 May;44(2):239–49

[Angiotensin II potentiates the effect of ACTH on the production of cyclic AMP by bovine adrenal cells in primary culture] Morera AM, et al. **C R Seances Acad Sci [III]** 1984;298(17):507–12 (Eng. Abstr.) **(Fre)**

[Decline of lymphocyte c–AMP synthesis by beta adrenergic stimulation in cardiac insufficiency] Ogawa K, et al. **Kokyu To Junkan** 1983 Nov;31(11):1173–5 **(Jpn)**

[Effect of adrenocorticotropin on progesterone, 20alpha–OH– progesterone and adenosine 3',5'–monophosphate in isolated luteal cells from rat ovaries] Asakai R. **Nippon Naibunpi Gakkai Zasshi** 1983 Oct 20;59(10):1647–57 (Eng. Abstr.) **(Jpn)**

[Forskolin, cyclic AMP and hormone regulation] Tarui S. **Nippon Naibunpi Gakkai Zasshi** 1983 Nov 20; 59(11):1774–82 **(Jpn)**

[Participation of cyclic nucleotides in realizing the effect of ceruloplasmin during irradiation] Antonenko SG, et al. **Radiobiologiia** 1984 May–Jun;24(3):334–6 (Eng. Abstr.) **(Rus)**

BLOOD

Cyclic AMP metabolism in intact platelets determined by 18O incorporation into adenine nucleotide alpha–phosphoryls. Goldberg ND, et al. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1984; 16:363–79

Purine metabolites, uracil and cAMP during exchange transfusion. Manzke H, et al. **Adv Exp Med Biol** 1984;165 Pt A:287–90

Theophylline inhibits platelet aggregation, prostaglandin and thromboxane production by a mechanism which is independent of cyclic AMP. Burns GB, et al. **Agents Actions** 1984 Jan;14(1):102–8

In vitro effects of aqueous cotton dust extract on leucocyte cyclic adenosine monophosphate levels. O'Neil CE, et al. **Agents Actions** 1984 Feb;14(2):210–5

Human leukocyte cyclic AMP and cyclic GMP levels during

chemotaxis in delayed type hypersensitivity. Lerche A, et al. **Allergy** 1984 Apr;39(3):195–201

Interferon inhibits agonist–induced cyclic AMP accumulation in human lymphocytes. Davis VL, et al. **Am Rev Respir Dis** 1984 Aug;130(2):167–70

Evidence that KF4939, a new anti–platelet agent, inhibits phospholipase activation in rabbit platelets: different aspects from cyclic AMP increasing agents and calmodulin antagonist. Yamada K, et al. **Arch Int Pharmacodyn Ther** 1984 Mar;268(1):141–54

Cyclic nucleotides and their relationship to complement–component–C2 synthesis by human monocytes. Lappin D, et al. **Biochem J** 1984 Sep 1; 222(2):477–86

Large effects of preparative techniques on lymphocyte cyclic AMP content. Moore JP, et al. **Biochem J** 1983 Oct 15; 216(1):207–13

Evidence for mediation of acetyl glyceryl ether phosphorylcholine stimulation of adenosine 3',5'–(cyclic)monophosphate levels in human polymorphonuclear leukocytes by leukotriene B4. Hopkins NK, et al. **Biochim Biophys Acta** 1983 Oct 25;763(3):276–83

Comparison between the effects of inhaled isoprenaline and fenoterol on plasma cyclic AMP and heart rate in normal subjects. Fairfax AJ, et al. **Br J Clin Pharmacol** 1984 Feb; 17(2):165–70

Impaired lymphocyte cyclic adenosine monophosphate responses in atopic eczema. Archer CB, et al. **Br J Dermatol** 1983 Nov;109(5):559–64

The interactive effects of fluoride and N–formyl–L–methionyl–L–leucyl–L–phenylalanine on superoxide production and cAMP levels in human neutrophils. Wong K. **Can J Biochem Cell Biol** 1983 Jul; 61(7):569–78

Age associated changes in intracellular cyclic adenosine monophosphate. Birkenfeld A, et al. **Clin Exp Immunol** 1984 Mar;55(3):651–4

Cyclic AMP responses to parathyroid hormone and glucagon during lithium treatment. Waller DG, et al. **Clin Sci** 1984 May;66(5):557–9

Effect of synthetic 1–34 fragment of human parathyroid hormone on plasma adenosine 3',5'–monophosphate (cAMP) concentrations and the diagnostic criteria based on the plasma cAMP response in Ellsworth–Howard test. Sohn HE, et al. **Endocrinol Jpn** 1984 Feb;31(1):33–40

Effects of colchicine, vinblastine and nocodazole on polarity, motility, chemotaxis and cAMP levels of human polymorphonuclear leukocytes. Keller HU, et al. **Exp Cell Res** 1984 Jul;153(1):173–85

Plasma cyclic adenosine 3',5'–monophosphate (cAMP) levels in hyperthyroid patients. Velardo A, et al. **Exp Clin Endocrinol** 1983 Aug;82(2):238–41

The fluorescence response of chlortetracycline–loaded human neutrophils is modulated by prostaglandin E1, but not by cyclic nucleotides. Smolen JE. **FEBS Lett** 1983 Oct 31;163(1):119–23

On the relationship between aggregation and cyclic nucleotides in platelets treated with betaadrenoceptor blocking drugs. Nosál R, et al. **Gen Physiol Biophys** 1983 Oct;2(5):353–62

Plasma cyclic nucleotide responses to methacholine and epinephrine in patients with migraine. Okada F, et al. **Headache** 1984 Jan;24(1):26–9

Plasma cyclic AMP and cyclic GMP in childhood–onset psychoses. Goldberg M, et al. **J Autism Dev Disord** 1984 Jun;14(2):159–64

Pseudohypoparathyroidism and idiopathic hypoparathyroidism: relationship between serum calcium and parathyroid hormone levels and urinary cyclic adenosine–3',5'–monophosphate response to parathyroid extract. Werder EA, et al. **J Clin Endocrinol Metab** 1978 Jun;46(6):872–9

Plasma cyclic nucleotides in spontaneously hypertensive rats: hyperresponse to acute hot stress. Sato T, et al. **Jpn J Pharmacol** 1984 Feb;34(2):137–46

Increased release of cyclic adenosine monophosphate into jugular vein in response to isoproterenol administration. Altszuler N, et al. **Life Sci** 1984 Aug 27;35(9):963–7

Alzheimer's disease: isoproterenol and prostaglandin E1–stimulated cyclic AMP accumulation in lymphocytes. Ebstein RP, et al. **Life Sci** 1984 Jun 4;34(23):2239–43

Calcium–dependent proteolytic stimulation of adenylate cyclase in platelets from spontaneously hypertensive rats. Tremblay J, et al. **Metabolism** 1984 Aug;33(8):689–95 (60 ref.)

Localization of pheochromocytoma by measurement of plasma cyclic AMP [letter] Miura Y, et al. **N Engl J Med** 1984 Sep 6;311(10):676

Plasma cortisol, catecholamine and cyclic AMP levels, response to dexamethasone suppression test and platelet MAO activity in manic–depressive patients. A longitudinal study. Maj M, et al. **Neuropsychobiology** 1984;11(3):168–73

VIP elevates platelet cyclic AMP (cAMP) levels and inhibits in vitro platelet activation induced by platelet–activating factor (PAF). Cox CP, et al. **Peptides (Fayetteville)** 1984 Mar–Apr;5(2):325–8

Anaphylaxis–induced increase in plasma cyclic AMP dependent on endogenous catecholamines in rats Okabe E, et al. **Pharmacology** 1983;27(3):160–8

The effects of continuous infusions of prostacyclin–Na (epoprostenol–sodium) on platelet counts, ADP–induced aggregation, and cyclic AMP levels in normal volunteers. Reele SB, et al. **Prostaglandins** 1983 Aug;26(2):287–302

Relationship between cyclic AMP and thromboxane formation in platelet–endothelial cell interactions. Lagarde M, et al. **Thromb Res** 1984 Jul 15;35(2):141–7

Lag–phase of arachidonic acid–induced secretion in responders and non–responders to the thromboxane–synthetase inhibitors: involvement of cyclic–AMP. Lecompte T, et al. **Thromb Res** 1984 Jul 1; 35(1):91–7

Effect of cyclic AMP on cytoplasmic free calcium in human platelets stimulated by thrombin: direct measurement with quin2. Yamanishi J, et al. **Thromb Res** 1983 Oct 15; 32(2):183–8

The effect of thymic humoral factor on intracellular lymphocyte cyclic AMP in alcoholic liver disease. Barlas N, et al. **Thymus** 1983 Sep;5(5–6):433–7

Glucagon–induced alterations of plasma levels of cyclic AMP and glucose in patients with liver disease. Klotz U, et al. **Z Gastroenterol** 1984 Mar;22(3):147–52

[Effects of angiotensin II on kinetic parameters of plasma cyclic AMP] Wen YY, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1983 Oct; 5(5):328–9 (Eng. Abstr.) **(Chi)**

[Changes in the plasma levels of cyclic AMP and cyclic GMP in dogs with endotoxin shock and effects of anisodamine on these changes] Xiao DM, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1983 Jun; 5(3):202–4 (Eng. Abstr.) **(Chi)**

[Effect of probenecid on metabolic clearance rate and production rate of plasma cyclic adenosine 3', 5'–monophosphate (cAMP) in rats] Yang SL, et al. **Yao Hsueh Hsueh Pao** 1983 Apr;18(4):307–9 (Eng. Abstr.) **(Chi)**

[Diagnostic value of the determination of nephrogenic cyclic AMP, and the value of cervical echography for localization in primary hyperparathyroidism. 13 cases] Bentata–Pessayre M, et al. **Ann Med Interne (Paris)** 1984; 135(1):7–11 (Eng. Abstr.) **(Fre)**

[Plasma levels of cyclic AMP and catecholamines in ischemic cerebrovascular disorders] Pinessi L, et al. **Arch Sci Med (Torino)** 1983 Oct–Dec;140(4):401–4 (Eng. Abstr.) **(Ita)**

[Ischemic cardiomyopathy, catecholamines and cyclic nucleotides] Gennari C, et al. **Boll Soc Ital Cardiol** 1982 Nov;27(11):1051–8 (Eng. Abstr.) **(Ita)**

[Plasma levels of cyclic nucleotides and catecholamines in hypertension in the aged] Nami R, et al. **Boll Soc Ital Cardiol** 1983 Mar;28(3):245–52 (Eng. Abstr.) **(Ita)**

[Test of adrenergic stimulation by insulin infusion and plasma levels of cAMP. Preliminary results in labile hypertensive and normotensive subjects before and after beta blockade with pindolol] Nami R, et al. **Recenti Prog Med** 1983 Jul; 74(7):796–803 (Eng. Abstr.) **(Ita)**

[Sequential changes of serum cyclic AMP, histamine and complement during patient reactions to iodinated contrast media] Tomita T, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1983 Sep 25; 43(9):1114–30 (Eng. Abstr.) **(Jpn)**

[Clinical significance of plasma c–AMP response to glucagon in patients with cholestasis] Kawai H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Feb;81(2):227–37 (Eng. Abstr.) **(Jpn)**

[Biochemical investigation of the autonomic function in the cardiovascular system—with special reference to changes in plasma cyclic nucleotides during various autonomic function tests] Okada F. **No To Shinkei** 1984 May; 36(5):423–32 **(Jpn)**

[Clinical and diagnostic value of studying cyclic nucleotides and prostaglandin F2alpha in vibration disease] Khadzhiev AK. **Gig Tr Prof Zabol** 1984 Feb;(2):46–8 **(Rus)**

[Concentration of endogenous prostanoids and cyclic nucleotides in patients with atrial fibrillation] Smirnov IE, et al. **Kardiologiia** 1984 May;24(5):39–43 (Eng. Abstr.) **(Rus)**

[Cyclic nucleotides and creatine phosphokinase activity in children with cardiac arrhythmias] Tamm LIa, et al. **Kardiologiia** 1984 May;24(5):43–8 (Eng. Abstr.) **(Rus)**

[Cyclic adenosine–3',5'–monophosphate in the blood in Itsenko–Cushing disease] Slavnov VN, et al. **Klin Med (Mosk)** 1984 Jun;62(6):113–8 (Eng. Abstr.) **(Rus)**

[Cyclic nucleotides, acid formation and the endoscopic picture in duodenal peptic ulcer patients] Vorob'ev LP, et al. **Klin Med (Mosk)** 1984 Feb;62(2):70–6 (Eng. Abstr.) **(Rus)**

[Study of the receptor sensitivity to glucagon in patients with bronchial asthma] Chuchalin AG, et al. **Lab Delo** 1983; (7):20–4 (Eng. Abstr.) **(Rus)**

[State of the cyclic nucleotide system in children with chronic pneumonia] Musaev AT. **Pediatriia** 1984 Jan; (1):35–7 (Eng. Abstr.) **(Rus)**

[Cyclic nucleotide monophosphates in patients with pulmonary tuberculosis] Prilmak AA, et al. **Probl Tuberk** 1984 Jan;(1):38–41 (Eng. Abstr.) **(Rus)**

[Dependence of bronchial beta–adrenergic and cholinergic receptor function on serum immunoglobulin and cyclic adenosine monophosphate levels in the lymphocytes of bronchial asthma patients] Minkailov KM. **Ter Arkh** 1984; 56(3):26–30 (Eng. Abstr.) **(Rus)**

[Effect of cyclopentanenaphthenic acids on serum concentrations of prostaglandins and cyclic adenosine monophosphate] Omarov IA, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 May–Jun; (3):59–60 **(Rus)**

[Alterations in the cyclase system of skeletal muscles and in the content of cyclic nucleotides in blood plasma of rats after the administration of caffeine] Gorbachevskaia LV. **Vopr Med Khim** 1983 Jul–Aug;29(4):47–51 (Eng. Abstr.) **(Rus)**

[Study of the relation of cyclic 3,5–monophosphate and the concentration of antiepileptic agents in a group of resistant epileptics] Trbojević–Cepe M, et al. **Neurologija** 1984; 32(1–2):33–44 (Eng. Abstr.) **(Scr)**

CEREBROSPINAL FLUID

Cerebrospinal fluid levels of cyclic nucleotides in meningitis and idiopathic polyneuritis. Lerche A, et al. **Acta Neurol Scand** 1984 Mar;69(3):168–75

Analysis of neurotransmitter metabolites and adenosine 3',5'–monophosphate in the CSF of patients with extrapyramidal motor disorders. Cramer H, et al. **Adv Neurol** 1984;40:431–5

Presence of cerebral parathyroid hormone—responsive adenylcyclase in humans [letter] Smits MG, et al. **Ann Neurol** 1983 Sep;14(3):348–9

Cyclic AMP in the cerebrospinal fluid of patients with recent cerebral infarction. Mršulja BB, et al. **Eur Neurol** 1984; 23(3):201–5

Effect of oral melatonin administration on melatonin, 5–hydroxyindoleacetic acid, indoleacetic acid, and cyclic nucleotides in human cerebrospinal fluid. Young SN, et al. **Neuroendocrinology** 1984 Jul;39(1):87–92

Cyclic AMP and GMP in the cerebrospinal fluid after high–dose haloperidol treatment. Belmaker RH, et al. **Pol J Pharmacol Pharm** 1984 Mar–Jun;36(2–3):217–20

Comparative neurochemical investigation of tardive dyskinesia and neuroleptic–induced chronic parkinsonism. Arató M, et al. **Psychiatry Res** 1984 Apr;11(4):347–51

METABOLISM

Studies on the calcium antagonistic action of tetrandrine: V. Effects of tetrandrine, verapamil and propranolol on contractility and cAMP level of isolated rabbit left atria. Fang DC, et al. **Acta Acad Med Wuhan** 1984;4(1):12–5

Cyclic nucleotides in rat brain during lidocaine infusion. Yamada K, et al. **Acta Anaesthesiol Scand** 1984 Feb; 28(1):91–4

Effects of 3–isobutyl–1–methylxanthine on secretory response, cAMP accumulation and DNA synthesis of islets from postnatal and adult Wistar rats. Ziegler B, et al. **Acta Biol Med Ger** 1982;41(12):1171–7

A comparison of the bioactivity of human and bovine thyrotrophin preparations, as determined by intracellular cyclic AMP responses of cultured FRTL–5 cells and human thyroid cell monolayers. Bidey SP, et al. **Acta Endocrinol (Copenh)** 1984 Aug;106(4):482–9

Evidence for alpha–adrenergic receptors acting through the guanylate cyclase system in human cultured thyroid cells. Brandi ML, et al. **Acta Endocrinol (Copenh)** 1983 Sep; 104(1):64–8

Urinary and nephrogenous cyclic AMP and renal phosphate handling in normal subjects and patients with parathyroid dysfunction. Khoury S, et al. **Acta Endocrinol (Copenh)** 1984 Jun;106(2):219–26

Changes in nephrogenous cyclic AMP excretion and plasma cyclic AMP following treatment of hyperthyroidism. Naafs MA, et al. **Acta Endocrinol (Copenh)** 1984 Aug; 106(4):477–81

Concentration of cyclic AMP in rabbit ovaries in the preovulatory period after administration of luteinizing hormone or human chorionic gonadotrophin. Patwardhan VV, et al. **Acta Endocrinol (Copenh)** 1984 Jun;106(2):260–4

Effect of multiplication–stimulating activity (MSA) on the cyclic AMP level and proteoglycan synthesis in cultured chondrocytes. Tsuji M, et al. **Acta Endocrinol (Copenh)** 1983 Sep;104(1):117–22

Elicitation of cyclic AMP accumulation by norepinephrine in the iron–induced epileptogenic cerebral cortex of rats. Hattori Y, et al. **Acta Med Okayama** 1983 Aug;37(4):377–80

Dual effects of glutamate on cyclic AMP levels in slices of rat cerebral cortex with an iron–induced epileptic focus. Hattori Y, et al. **Acta Med Okayama** 1983 Aug;37(4):291–9

The effect of alkylxanthines and other phosphodiesterase inhibitors on adenosine–receptor mediated decrease in lipolysis and cyclic AMP accumulation in rat fat cells. Fredholm BB, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Jan;54(1):64–71

In vivo effect of noradrenaline on the cyclic AMP level in rat corpora lutea. Norjavaara E, et al. **Acta Physiol Scand** 1983;119(2):113–6

Insulin control of cyclic AMP phosphodiesterase. Appleman MM, et al. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1984; 16:149–58

Cyclic AMP levels and their regulation by prostaglandins in peritoneal macrophages of rats and humans. Bonta IL, et al. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1984; 17:615–20

Phosphodiesterase after twenty years: an introduction. Butcher RW. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1984;

16:1–12

Negative regulation of cyclic AMP levels by activation of cyclic nucleotide phosphodiesterases: the example of the dog thyroid. Dumont JE, et al. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1984; 16:325–36

Acetylglycerylether phosphorylcholine-(AGEPC) and leukotriene B4-stimulated cyclic AMP levels in human polymorphonuclear leukocytes. Gorman RR, et al. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1984; 17:631–8

Prostacyclin and cyclic nucleotides interact to modulate arterial cholesteryl ester metabolism. Hajjar DP. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1984; 17:605–14

Selective interactions of cyclooxygenase and lipoxygenase metabolites with the cyclic GMP systems in the myometrium. Harbon S, et al. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1984; 17:639–49 (37 ref.)

Insulin controls intracellular cyclic AMP concentrations in hepatocytes by activating specific cyclic AMP phosphodiesterases: phosphorylation of the peripheral plasma membrane enzyme. Houslay MD, et al. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1984; 16:159–76

Bordetella pertussis: multiple attacks on host cell cyclic AMP regulation. Wolff J, et al. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1984; 17:161–72 (38 ref.)

The chronologically synchronous elevation of phosphoribosyl-pyrophosphate and cyclic AMP in regenerating rat liver. Itakura M, et al. **Adv Exp Med Biol** 1984;165 Pt A:453–6

Regulation by histamine of cAMP-dependent protein kinase in guinea-pig stomach. Holian O, et al. **Agents Actions** 1984 Feb;14(2):166–73

Relationship between the transient cAMP increase, exocytosis from specific and azurophil granules and chemotaxis in neutrophil granulocytes. Naef A, et al. **Agents Actions** 1984 Jan;14(1):63–71

Effect of chronic ethanol ingestion on the cyclic AMP system of the upper gastrointestinal tract in the rat. Seitz HK, et al. **Alcoholism (NY)** 1983 Fall;7(4):369–71

Cyclic AMP and phosphorylation in regulation of Ca++ influx into myocardial cells and blockade by calcium antagonistic drugs. Sperelakis N. **Am Heart J** 1984 Feb; 107(2):347–57

cAMP-mediated effects of ouabain and theophylline on paracellular ion selectivity. Bakker R, et al. **Am J Physiol** 1984 Feb;246(2 Pt 1):G213–7

Fluid composition of basolateral space of kidney cells in culture and its modification by intracellular cAMP. Corman B, et al. **Am J Physiol** 1984 May;246(5 Pt 1):C546–50

LH release is facilitated by agents that alter cyclic AMP-generating system. Cronin MJ, et al. **Am J Physiol** 1984 Jan;246(1 Pt 1):E44–51

Heart cyclic nucleotide responses to sustained aortic constriction in neonatal and adult rats. Dowell RT, et al. **Am J Physiol** 1984 Feb;246(2 Pt 2):H197–206

Development of sensitivity to cAMP-inducing hormones in the rat stomach. Gespach C, et al. **Am J Physiol** 1984 Sep; 247(3 Pt 1):G231–9

Cyclic AMP changes in guinea pig mammary gland and milk. Loizzi RF. **Am J Physiol** 1983 Dec;245(6):E549–54

Enhancement by GTP of cAMP binding to hepatic nuclei and cytosol. Rosenberg EM, et al. **Am J Physiol** 1984 Jan; 246(1 Pt 1):C131–40

Interactions of vasopressin, prostaglandins, and cAMP in rat renal papillary collecting tubule cells in culture. Sato M, et al. **Am J Physiol** 1984 Sep;247(3 Pt 2):F423–33

Stimulation of cAMP accumulation and lipolysis in hamster adipocytes with forskolin. Schimmel RJ. **Am J Physiol** 1984 Jan;246(1 Pt 1):C63–8

Release of cAMP from a renal epithelial cell line. Strewler GJ. **Am J Physiol** 1984 Mar;246(3 Pt 1):C224–30

Effect of testosterone on gonadotropin response to DBcAMP, cAMP binding, and cAMP production in pituitary cultures. Tang LK, et al. **Am J Physiol** 1984 Sep; 247(3 Pt 1):E312–7

Prostaglandins and intracellular cyclic AMP in respiratory secretory cells. Lazarus SC, et al. **Am Rev Respir Dis** 1984 Aug;130(2):262–6

Cyclooxygenase products and cyclic nucleotide levels with infusion of arachidonic acid, PGI2, PGE2, PGF2, and 6-keto-PGF1 in an isolated dog lung. Littner M, et al. **Am Rev Respir Dis** 1983 Nov;128(5):868–74

Heparin modulates intracellular cyclic AMP in human trabecular bone cells and adherent rheumatoid synovial cells. Crisp AJ, et al. **Ann Rheum Dis** 1984 Aug; 43(4):628–34

Cyclic-AMP content and trehalase activation in vegetative cells and ascospores of yeast. Thevelein JM. **Arch Microbiol** 1984 May;138(1):64–7

Reduced cAMP levels and glycogen phosphorylase activation in isoproterenol perfused SHR myocardium. Sharma RV, et al. **Basic Res Cardiol** 1983 Nov-Dec; 78(6):695–705

A new cAMP independent protein kinase tightly bound to DNA, in rat liver nuclei. Levy-Favatier F, et al. **Biochem Biophys Res Commun** 1983 Dec 16;117(2):610–5

Pertussis toxin blocks somatostatin's inhibition of stimulated cyclic AMP accumulation in anterior pituitary tumor cells. Reisine TD, et al. **Biochem Biophys Res Commun** 1983 Sep 30;115(3):794–9

1,25 Dihydroxyvitamin D causes attenuation of cyclic AMP responses in monocyte-like cells. Rubin JE, et al. **Biochem Biophys Res Commun** 1984 Aug 30;123(1):210–5

Cyclic adenosine-3',5'-monophosphate and folate transport in rat jejunum. Said HM, et al. **Biochem Biophys Res Commun** 1983 Sep 15;115(2):756–61

Streptozotocin-induced diabetes decreases the cyclic AMP binding activity of the regulatory subunit of type I cAMP-dependent protein kinase from rat liver. Srivastava AK. **Biochem Biophys Res Commun** 1983 Dec 28; 117(3):794–802

A rise in cyclic AMP with a lack of glycogenolysis by secretin in the isolated perfused rat liver and its inhibition by epinephrine. Yamatani K, et al. **Biochem Biophys Res Commun** 1983 Sep 15;115(2):743–8

Antiviral activity of lambda-, beta-, and gamma-interferons in the presence of theophylline: involvement of 2',5'-oligo(A) synthetase. Krispin TI, et al. **Biochem Int** 1984 Jan;8(1):159–64

Vasoactive-intestinal-polypeptide-stimulated adenosine 3',5'-cyclic monophosphate accumulation in GH3 pituitary tumour cells. Reversal of desensitization by forskolin. Guild S, et al. **Biochem J** 1984 Aug 1;221(3):789–96

Islet-activating protein blocks glucagon desensitization in intact hepatocytes. Heyworth CM, et al. **Biochem J** 1984 Aug 15;222(1):189–94

An assessment of the ability of insulin-stimulated cyclic AMP phosphodiesterase to decrease hepatocyte intracellular cyclic AMP concentrations. Heyworth CM, et al. **Biochem J** 1984 Aug 15;222(1):183–7

Cyclic AMP mediates beta-adrenergic-induced increases in N-linked protein glycosylation in rat parotid acinar cells. Kousvelari EE, et al. **Biochem J** 1984 Aug 15;222(1):17–24

A study of the interaction between bovine cardiac-muscle cyclic AMP-dependent protein kinase and cyclic AMP using fluorescence-polarization spectroscopy. Seville M, et al. **Biochem J** 1984 Feb 1;217(3):633–9

Effects of forskolin on bone. Stimulation of cyclic AMP accumulation and calcium efflux from chick embryo tibiae in organ culture. Martz A, et al. **Biochem Pharmacol** 1983 Nov 15;32(22):3429–33

Effect of maternal pethidine administration on neonatal brain cyclic AMP levels and ornithine decarboxylase activities. Persitz E, et al. **Biochem Pharmacol** 1984 Jun 1; 33(11):1816–8

Rabbit muscle phosphofructokinase. 1. Activation by affinity labeling approximately two adenosine cyclic 3',5'-monophosphate binding sites per tetramer. Ogilvie JW. **Biochemistry** 1983 Dec 6;22(25):5908–14

Cyclic AMP-stimulating effect of vasoactive intestinal peptide in isolated epithelial cells of rat ventral prostate. Carmena MJ, et al. **Biochim Biophys Acta** 1983 Dec 19; 763(4):414–8

Relationship of cyclic-AMP levels in leukotriene B4-stimulated leukocytes to lysosomal enzyme release and the generation of superoxide anions. Claesson HE, et al. **Biochim Biophys Acta** 1984 May 22;804(1):52–7

Metabolic effects and cyclic AMP levels produced by glucagon, (1-N alpha-Trinitrophenylhistidine,12-homoarginine)glucagon and forskolin in isolated rat hepatocytes. Corvera S, et al. **Biochim Biophys Acta** 1984 Aug 17;804(4):434–41

Serum-stimulated cyclic-AMP production in S49 lymphoma cells grown in serum-free medium. Darfler FJ, et al. **Biochim Biophys Acta** 1984 Mar 23;803(3):203–9

Effect of thyrotropin-releasing hormone on dog thyroid in vitro. Delbeke D, et al. **Biochim Biophys Acta** 1983 Dec 27;761(3):262–8

Activation of lipolysis and cyclic AMP accumulation in rabbit adipocytes by isoproterenol in the presence of forskolin or pertussis toxin. Fain JN, et al. **Biochim Biophys Acta** 1984 Apr 24;798(3):382–9

Effect of cAMP-elevating drugs on Ca2+ efflux and actin polymerization in peritoneal macrophages stimulated with N-formyl chemotactic peptide. Hamachi T, et al. **Biochim Biophys Acta** 1984 Jun 19;804(2):230–6

Inhibition of prostacyclin synthesis in endothelial cells by methylisobutylxanthine is not mediated through elevated cAMP level. Hong SL. **Biochim Biophys Acta** 1983 Dec 20;754(3):258–63

Capacitative pulsed electric stimulation of bone cells. Induction of cyclic-AMP changes and DNA synthesis. Korenstein R, et al. **Biochim Biophys Acta** 1984 Apr 16; 803(4):302–7

Effect of pertussis toxin on the hormonal regulation of cyclic AMP levels in hamster fat cells. Martínez-Olmedo MA, et al. **Biochim Biophys Acta** 1983 Oct 18;760(2):215–20

Involvement of cellular cyclic AMP in theophylline-induced sugar accumulation in chicken intestinal epithelial cells. Moretó M, et al. **Biochim Biophys Acta** 1984 Mar 28; 771(1):68–73

cAMP, not Ca2+/calmodulin, regulates the phosphorylation of acetylcholine receptor in Torpedo californica electroplax. Zavoico GB, et al. **Biochim Biophys Acta** 1984 Mar 14;770(2):225–9

Beta-adrenergic induced potassium current in Xenopus oocyte: involvement of cyclic AMP. Van Renterghem C, et al. **Biochimie** 1984 Feb;66(2):135–8

A comparative study of the morphine effect on the level of cyclic AMP in lymphocytes of smokers and nonsmokers. Kost N, et al. **Biol Psychiatry** 1983 Jul;18(7):763–9

Elevation of sperm adenosine 3':5'-monophosphate concentrations by a fucose-sulfate-rich complex associated with eggs: I. Structural characterization. Garbers DL, et al. **Biol Reprod** 1983 Dec;29(5):1211–20

Dose-related effects of luteinizing hormone on the pattern of steroidogenesis and cyclic adenosine monophosphate release in superfused preovulatory rat follicles. Hedin L, et al. **Biol Reprod** 1983 Nov;29(4):895–904

Hamster sperm Na+, K+-adenosine triphosphatase: increased activity during capacitation in vitro and its relationship to cyclic nucleotides. Mrsny RJ, et al. **Biol Reprod** 1984 Apr;30(3):573–84

In vivo effects of indomethacin and cyclophosphamide on CFU-GM proliferation and cyclic nucleotide levels in bone marrow of mice. Fontagne J, et al. **Biomed Pharmacother** 1983;37(9–10):452–7

The effect of prostaglandins on cyclic AMP levels of human peripheral lymphocytes and rat thymocytes. Bartolini G, et al. **Boll Soc Ital Biol Sper** 1984 May 30;60 Suppl 4:99–104

Modulation of synaptic transmission in mammalian sympathetic ganglia: effects of catecholamines, prostaglandins and cyclic nucleotides. Borasio PG, et al. **Boll Soc Ital Biol Sper** 1984 May 30;60 Suppl 4:77–83

Effects of alpha-adrenoceptor stimulation with phenylephrine in the presence of propranolol on force of contraction, slow inward current and cyclic AMP content in the bovine heart. Brückner R, et al. **Br J Pharmacol** 1984 May;82(1):223–32

Conversion of sodium channels to a form sensitive to cyclic AMP by component(s) from red cells. Cuthbert AW, et al. **Br J Pharmacol** 1983 Jul;79(3):783–97

Forskolin, cyclic nucleotides and positive inotropism in isolated papillary muscles of the rabbit. Rodger IW, et al. **Br J Pharmacol** 1984 Jan;81(1):151–9

Rat striatal cyclic nucleotide-reactive cells and acetylcholinesterase reactive interneurons are separate populations. Ariano MA. **Brain Res** 1984 Mar 26; 296(1):160–3

Heterosynaptic facilitation and behavioral sensitization are inhibited by lowering endogenous cAMP in Aplysia. Belardetti F, et al. **Brain Res** 1983 Dec 12;288(1–2):95–104

Regional difference in the histamine-elicited accumulation of cyclic AMP in rabbit cerebral cortex with a cortical dominant focus. Hattori Y, et al. **Brain Res** 1983 Nov 21; 279(1–2):308–10

Pharmacology of aminergic receptors mediating an elevation in cyclic AMP and release of hormone from locust neurosecretory cells. Orchard I, et al. **Brain Res** 1983 Dec 12;288(1–2):349–53

Cyclic AMP reduction of frequency following ability in peripheral axons. Seelig TL, et al. **Brain Res** 1983 Nov 21;279(1–2):303–7

Hypothalamic cyclic-AMP throughout the 4-day estrous cycle of the female rat. Zubin P, et al. **Brain Res** 1983 Jul 25;271(2):273–7

Cyclic nucleotides and seizures in a hereditary model of epilepsy. Crawford KD, et al. **Brain Res Bull** 1984 Jan; 12(1):137–42

Role of plasminogen activator in the morphological alterations induced by derivatives of adenosine cyclic 3':5'-monophosphate in hepatoma tissue culture cells. Barouski-Miller PA, et al. **Cancer Res** 1983 Dec;43(12 Pt 1):5922–30

Association of increased cyclic adenosine 3':5'-monophosphate content in cultured human breast cancer cells and release of hydrolytic enzymes and bone-resorbing activity. Eilon G, et al. **Cancer Res** 1983 Dec;43(12 Pt 1):5792–4

Effects of gastrin on tumor growth and cyclic nucleotide metabolism in xenotransplantable human gastric and colonic carcinomas in nude mice. Sumiyoshi H, et al. **Cancer Res** 1984 Oct;44(10):4276–80

Prostaglandins, cyclic nucleotides and the effect of phorbol ester tumor promoters on mouse skin in vivo. Marks F. **Carcinogenesis** 1983 Nov;4(11):1465–70

cAMP levels and in situ measurement of adenylate cyclase and cAMP phosphodiesterase activities during yeast-to-hyphae transition in the dimorphic fungus Mucor rouxii. Cantore ML, et al. **Cell Biol Int Rep** 1983 Nov; 7(11):947–54

On the mechanism of stimulation of H+ transport in gastric mucosa by Ca++ ionophore A23187. II. Ca++-cyclic AMP interactions. Ruiz MC, et al. **Cell Calcium** 1983 Oct; 4(4):267–79

Effect of hypocalcemic protein P-MSY obtained from bovine parotid gland on the cyclic adenosine-5'-monophosphate and cyclic guanosine-5'-monophosphate contents of murine thymus and spleen cells. Yamamoto H, et al. **Chem Pharm Bull (Tokyo)** 1983 May;31(5):1757–60

Myosin phosphorylation and cyclic adenosine 3',5'-monophosphate in relaxation of arterial smooth muscle by vasodilators. Gerthoffer WT, et al. **Circ Res** 1984 Jan;54(1):83–9

Iodide organification defect in a cold thyroid nodule: absence of iodide effect on cyclic AMP accumulation. Demeester-Mirkine N, et al. **Clin Endocrinol (Oxf)** 1984 Apr;20(4):473–9

What molecular steps determine the time course of the memory for short-term sensitization in Aplysia? Schwartz

JH, et al. **Cold Spring Harbor Symp Quant Biol** 1983;48 Pt 2:811–9

Cyclic nucleotides in goats' milk: changes with physiological state. Blatchford DR, et al. **Comp Biochem Physiol [C]** 1984; 78(1):203–6

Change in levels of cyclic AMP and cyclic GMP during pregnancy and larval development of the tsetse fly, Glossina morsitans. Denlinger DL, et al. **Comp Biochem Physiol [C]** 1984;77(2):233–6

Brain and ring gland cyclic AMP and cyclic GMP levels during initiation and termination of pupal diapause in flesh flies. Gnagey AL, et al. **Comp Biochem Physiol [C]** 1983; 76(1):121–5

Effect of stimulation of non-adrenergic inhibitory nerves on cyclic nucleotide levels in bullfrog lung. Taylor SM, et al. **Comp Biochem Physiol [C]** 1984;77(2):311–3

Modulators of cyclic AMP in monolayer cultures of Y-79 retinoblastoma cells: partial characterization of the response with VIP and glucagon. Kyritsis A, et al. **Curr Eye Res** 1984 Feb;3(2):339–43

Null effect of adenosine on cyclic nucleotides of the corneal endothelium: possible implications for adenosine-stimulated corneal deturgescence. Zagrod ME, et al. **Curr Eye Res** 1984 Feb;3(2):293–8

A novel cyclic AMP metabolism exhibited by giant cells and its possible role in the sexual development of Dictyostelium discoideum. Abe K, et al. **Dev Biol** 1984 Aug;104(2):477–83

Control of cyclic AMP accumulation in dog acini: its relation to amylase release. Laval J, et al. **Digestion** 1983;28(2):82–9

Parathyrin and calcitonin stimulate cyclic AMP accumulation in cultured murine brain cells. Löffler F, et al. **EMBO J** 1982;1(3):297–302

Tandem CRP binding sites in the deo operon of Escherichia coli K-12. Valentin-Hansen P. **EMBO J** 1982;1(9):1049–54

Decreased in vitro LH releasing activity of oligomeric LH-RH derivatives. Nikolics K, et al. **Endocrinol Exp (Bratisl)** 1984 Jun;18(2):109–16

Relation of structural polarity to responses of cyclic 3', 5'-adenosine monophosphate accumulation and thyroid hormone release in cultured human thyroid follicles. Tamaki H, et al. **Endocrinol Jpn** 1984 Apr;31(2):99–108

Stimulation of adenosine 3',5'-monophosphate production by growth hormone-releasing factor and its inhibition by somatostatin in anterior pituitary cells in vitro. Bilezikjian LM, et al. **Endocrinology** 1983 Nov;113(5):1726–31

Human pancreatic tumor growth hormone (GH) - releasing factor and cyclic adenosine 3',5'- monophosphate evoke GH release from anterior pituitary cells: the effects of pertussis toxin, cholera toxin, forskolin, and cycloheximide. Cronin MJ, et al. **Endocrinology** 1984 Mar;114(3):904–13

Somatostatin inhibits basal and vasoactive intestinal peptide-stimulated hormone release by different mechanisms in GH pituitary cells. Dorflinger LJ, et al. **Endocrinology** 1983 Nov;113(5):1551–8

Somatostatin inhibits vasoactive intestinal peptide-stimulated cyclic adenosine monophosphate accumulation in GH pituitary cells. Dorflinger LJ, et al. **Endocrinology** 1983 Nov;113(5):1541–50

Evidence that organic iodine attenuates the adenosine 3',5'-monophosphate response to thyrotropin stimulation in thyroid tissue by an action at or near the adenylate cyclase catalytic unit. Filetti S, et al. **Endocrinology** 1983 Nov;113(5):1608–15

Alteration of transmembrane sodium and potassium gradients inhibits the action of luteinizing hormone in the luteal cell. Gore SD, et al. **Endocrinology** 1984 Jun;114(6):2020–31

Permissive effect of insulin on the adenosine 3',5'-monophosphate-dependent up-regulation of low density lipoprotein receptors and the stimulation of steroid release in bovine adrenal cortical cells. Ill CR, et al. **Endocrinology** 1984 Mar;114(3):767–75

Developmental coordination of luteinizing hormone/human chorionic gonadotropin (hCG) receptors and acute hCG responsiveness in cultured and freshly harvested porcine granulosa cells. May JV, et al. **Endocrinology** 1984 Jan; 114(1):153–63

Forskolin inhibition of glucose metabolism in rat adipocytes independent of adenosine 3',5'-monophosphate accumulation and lipolysis. Mills I, et al. **Endocrinology** 1984 Sep;115(3):1066–9

Forskolin stimulates adenylate cyclase activity, adenosine 3',5'-monophosphate production and peptide release from the intermediate lobe of the rat pituitary gland. Miyazaki K, et al. **Endocrinology** 1984 Mar;114(3):761–6

Oxytocin-stimulated myosin phosphorylation in mammary myoepithelial cells: roles of calcium ions and cyclic nucleotides. Olins GM, et al. **Endocrinology** 1984 May; 114(5):1617–26

Induction of granulosa cell differentiation by forskolin: stimulation of adenosine 3',5'-monophosphate production, progesterone synthesis, and luteinizing hormone receptor expression. Ranta T, et al. **Endocrinology** 1984 Mar; 114(3):845–50

Parathyroid hormone receptors coupled to cyclic adenosine monophosphate formation in an established renal cell line. Teitelbaum AP, et al. **Endocrinology** 1984 Mar;114(3):980–5

Thyrotropin-stimulated iodide transport mediated by adenosine 3',5'-monophosphate and dependent on protein synthesis. Weiss SJ, et al. **Endocrinology** 1984 Apr; 114(4):1099–107

Effects of forskolin on insulin release and cyclic AMP content in rat pancreatic islets. Wiedenkeller DE, et al. **Endocrinology** 1983 Dec;113(6):2311–3

Independent effects of bradykinin on adenosine 3',5'-monophosphate and prostaglandin E2 metabolism by rabbit renal medulla. Zenser TV, et al. **Endocrinology** 1984 Feb;114(2):541–4

Effect of estradiol on the cyclic AMP content of the pineal body of the male rat. Karasek M, et al. **Endokrynol Pol** 1984;35(1):25–8

Changes in hormone responsiveness and cyclic AMP metabolism in rat hepatocytes during primary culture and effects of supplementing the medium with insulin and dexamethasone. Christoffersen T, et al. **Eur J Biochem** 1984 Jan 16;138(2):217–26

Beta-adrenergic regulation of cyclic adenosine 3',5' monophosphate accumulation in human gastric epithelial glands. Inhibitory effect of somatostatin. Boige N, et al. **Eur J Clin Invest** 1984 Feb;14(1):42–8

Dopamine-sensitive cAMP generating system in rat extracerebral arteries. Amenta F, et al. **Eur J Pharmacol** 1984 Jan 13;97(1-2):105–9

Direct action of pertussis toxin in isolated hamster fat cells. Martinez-Olmedo MA, et al. **Eur J Pharmacol** 1984 Mar 16;99(1):115–8

Characterisation of the alpha 1-adrenergic control of hepatic cAMP in male rats. Morgan NG, et al. **Eur J Pharmacol** 1983 Dec 9;96(1-2):1–10

Chondrogenesis of chick limb mesenchyme in vitro. Effects of prostaglandins on cyclic AMP. Biddulph DM, et al. **Exp Cell Res** 1984 Jul;153(1):270–4

Lectin-resistant B16 melanoma cells exhibit an altered response to MSH and cholera toxin. Sheppard JR, et al. **Exp Cell Res** 1983 Dec;149(2):577–81

Protection of insulin secretion by magnesium during islet culture: independence of cAMP/or insulin accumulation. Ziegler B, et al. **Exp Clin Endocrinol** 1983 Aug; 82(2):199–207

Cyclic nucleotide content and phosphodiesterase activity in the rds mouse (020/A) retina. Sanyal S, et al. **Exp Eye Res** 1984 Mar;38(3):247–56

Cholera toxin stimulates secretion of saturated phosphatidylcholine and increases cellular cyclic AMP in isolated rat alveolar type II cells. Mescher EJ, et al. **Exp Lung Res** 1983 Nov;5(3):173–82

Cyclic AMP binding activity in liver supernatants during acute ethionine intoxication. Wong KH, et al. **Exp Mol Pathol** 1984 Jun;40(3):349–61

Cyclic AMP accumulation in human fibroblast cultures: diabetics compared with normals. Israelsson B, et al. **Experientia** 1983 Dec 15;39(12):1355–6

Pineal—related changes in cyclic AMP levels of rat medial basal hypothalamus. Morguenstern EA, et al. **Experientia** 1984 Feb 15;40(2):223–4

The effect of low doses of X-ray irradiation on cAMP level in Chinese hamster fibroblasts. Raev BA, et al. **Experientia** 1983 Nov 15;39(11):1310–1

cAMP in guinea-pig superior cervical ganglia during preganglionic nerve stimulation. Volle RL, et al. **Experientia** 1983 Dec 15;39(12):1345–6

The mechanisms of the cyclic AMP-dependent regulation of the enzymes of the 2',5'-oligoadenylate system. Itkes AV, et al. **FEBS Lett** 1984 Jun 4;171(1):101–5

Studies on the mechanism of inhibition of hepatic cAMP accumulation by vasopressin. Morgan NG, et al. **FEBS Lett** 1983 Nov 14;163(2):277–81

Ionic regulation of cyclic AMP levels in Paramecium tetraurelia in vivo. Schultz JE, et al. **FEBS Lett** 1984 Feb 13;167(1):113–6

Muscarinic regulation of phosphatidylinositol turnover and cyclic nucleotide metabolism in the heart. Brown JH, et al. **Fed Proc** 1984 Aug;43(11):2613–7

Altered levels of cyclic nucleotides in F344 rats fed sodium o-phenylphenate. Nakagawa A, et al. **Food Chem Toxicol** 1984 Mar;22(3):217–21

Non-typical matters occurring in motor neuron disease and cyclic nucleotide metabolism. Kaneko Y, et al. **Fukushima J Med Sci** 1983 Jul;29(3-4):113–23

Time-courses of hepatocellular hyperpolarization and cyclic adenosine 3',5'-monophosphate accumulation after partial hepatectomy in the rat. Effects of fasting for 48 hours and intravenous injection of glucose. Paloheimo M, et al. **Gastroenterology** 1984 Sep;87(3):639–46

Correlation between cAMP in isolated frog skin epithelium and stimulation of sodium transport and osmotic water flow by antidiuretic hormone and phosphodiesterase inhibitors. Johnsen AH, et al. **Gen Comp Endocrinol** 1984 Apr; 54(1):144–53

Locust diuretic hormone-stimulated synthesis and excretion of cyclic-AMP: a novel Malpighian tubule bioassay. Rafaeli A, et al. **Gen Comp Endocrinol** 1984 Apr;54(1):35–42

cAMP levels and alpha and beta receptors stimulation by noradrenaline in frog skin. Svelto M, et al. **Gen Pharmacol** 1983;14(6):673–6

Effects of a thio analog of platelet-activating factor on platelet aggregation and adenosine 3',5'-monophosphate concentration in hepatocyte suspensions and in platelets. A comparison with the naturally occurring compound. Hillmar I, et al. **Hoppe Seylers Z Physiol Chem** 1984 Jan; 365(1):33–41

Nephrogenous cyclic adenosine monophosphate levels in normocalcemic cancer patients: its significance. Abramson EC, et al. **Horm Metab Res** 1984 Apr;16(4):204–7

Inhibition by prolactin of gonadotrophin-induced cyclic AMP accumulation in the preovulatory ovary. Kraiem Z. **Horm Metab Res** 1984 Apr;16(4):198–200

Cyclic AMP-dependent protein kinases in semen from men with subnormal sperm motility or morphology. Fabbro D, et al. **Int J Androl** 1983 Aug;6(4):337–48

Cyclic AMP and steroidogenesis in superovulated rat ovaries. Klinken SP, et al. **Int J Biochem** 1984;16(7):823–7

Effect of cholera enterotoxin on calcium uptake and cyclic AMP accumulation in rat basophilic leukemia cells. Knoop FC, et al. **Int J Biochem** 1984;16(3):275–80

Clonal heterogeneity of cyclic AMP responsiveness: a comparison of malignant murine lymphoid cell lines. Burchiel SW, et al. **Int J Immunopharmacol** 1984;6(1):35–42

Effects of diamide on cyclic nucleotide levels in rat retina. Winkler BS, et al. **Invest Ophthalmol Vis Sci** 1984 Apr; 25(4):461–3

Metabolism of adenosine-3', 5'-cyclic monophosphate in the liver of rats treated with nicotinamide. Lusini P, et al. **Ital J Biochem** 1983 May-Jun;32(3):152–60

Trehalase activity and cyclic AMP content during early development of Mucor rouxii spores. Dewerchin MA, et al. **J Bacteriol** 1984 May;158(2):575–9

Cyclic AMP may not be involved in catabolite repression in Saccharomyces cerevisiae: evidence from mutants unable to synthesize it. Matsumoto K, et al. **J Bacteriol** 1983 Nov; 156(2):898–90

Agonists differentiate muscarinic receptors that inhibit cyclic AMP formation from those that stimulate phosphoinositide metabolism. Brown JH, et al. **J Biol Chem** 1984 Mar 25; 259(6):3777–81

Phosphorylation of ribosomal protein S6 at multiple sites by a cyclic AMP-independent protein kinase from lymphoid cells. Donahue MJ, et al. **J Biol Chem** 1984 Jan 10; 259(1):435–40

Adrenergic and serotonergic regulation of skeletal muscle metabolism in rat. I. The effects of adrenergic and serotonergic antagonists on the regulation of muscle amino acid release, glycogenolysis, and cyclic nucleotide levels. Ezrailson EG, et al. **J Biol Chem** 1983 Oct 25; 258(20):12494–8

Cyclic AMP regulation of pro-vasoactive intestinal polypeptide/PHM-27 synthesis in human neuroblastoma cells. Hayakawa Y, et al. **J Biol Chem** 1984 Jul 25; 259(14):9207–11

The regulation of glucose transport by cAMP stimulators via three different mechanisms in rat and human adipocytes. Kashiwagi A, et al. **J Biol Chem** 1983 Nov 25; 258(22):13685–92

A central role for cyclic AMP, but not progesterone, in luteinizing hormone receptor down-regulation in the granulosa cell. Schwall RH, et al. **J Biol Chem** 1983 Nov 10;258(21):13199–204

Phosphorylation of hormone-sensitive lipase by cyclic AMP-dependent protein kinase. Strålfors P, et al. **J Biol Chem** 1983 Dec 25;258(24):15146–52

Regulation of hepatic glycogenolysis by glucagon in male and female rats. Role of cAMP and Ca2+ and interactions between epinephrine and glucagon. Studer RK, et al. **J Biol Chem** 1984 Mar 25;259(6):3596–604

Islet cyclic AMP levels are not lowered during alpha 2-adrenergic inhibition of insulin release. Ullrich S, et al. **J Biol Chem** 1984 Apr 10;259(7):4111–5

Thyrotropin-stimulated phosphorylation of high mobility group protein 14 in vivo at the site catalyzed by cyclic nucleotide-dependent protein kinases in vitro. Walton GM, et al. **J Biol Chem** 1984 Jan 10;259(1):601–7

Epidermal growth factor and gonadotropin-releasing hormone inhibit cyclic AMP-dependent luteinizing hormone receptor formation in ovarian granulosa cells. Knecht M, et al. **J Cell Biochem** 1983;21(3):209–17

Postreceptor signal transduction by cyclic adenosine monophosphate and the Ca2+-calmodulin complex. Means AR, et al. **J Cell Biol** 1984 Jul;99(1 Pt 2):226s–231s

Sites of phosphorylation and mutation in regulatory subunit of cyclic AMP-dependent protein kinase from S49 mouse lymphoma cells: mapping to structural domains. Steinberg RA. **J Cell Biol** 1983 Oct;97(4):1072–80

Effects of polyamines on cyclic AMP-mediated stimulation of amino acid transport in isolated rat hepatocytes. Auberger P, et al. **J Cell Physiol** 1983 Nov;117(2):204–10

PGE1-independent MDCK cells have elevated intracellular cyclic AMP but retain the growth stimulatory effects of glucagon and epidermal growth factor in serum-free medium. Taub M, et al. **J Cell Physiol** 1984 Jul;120(1):19–28

Inhibition of adenosine 3',5'-monophosphate accumulation and lipolysis by adenosine analogs in human subcutaneous adipocytes. Ohisalo JJ, et al. **J Clin Endocrinol Metab** 1984 Jan;58(1):32–5

Adenosine and adenosine analogues stimulate adenosine cyclic 3', 5'-monophosphate-dependent chloride secretion in the mammalian ileum. Dobbins JW, et al. **J Clin Invest** 1984 Sep;74(3):929–35

Effect of enzymatically generated reactive oxygen metabolites on the cyclic nucleotide content in isolated rat glomeruli. Shah SV. **J Clin Invest** 1984 Aug;74(2):393–401

Forskolin-stimulated cyclic AMP accumulation mediates protein synthesis-dependent refractoriness in C6-2B rat glioma cells. Barovsky K, et al. **J Cyclic Nucleotide Protein Phosphor Res** 1983;9(3):181–9

Pertussis toxin actions on the pituitary-derived 235-1 clone: effects of PGE1, cholera toxin, and forskolin on cyclic AMP metabolism and prolactin release. Cronin MJ, et al.

J Cyclic Nucleotide Protein Phosphor Res 1983;9(3):245–58
Desensitization and cyclic AMP turnover in S49 cells. Goka TJ, et al. **J Cyclic Nucleotide Protein Phosphor Res** 1983; 9(1):49–57
Effects of betamethasone 17 valerate on the cyclic AMP system of the pig skin epidermis. Ishizawa H, et al. **J Dermatol (Tokyo)** 1983 Aug;10(4):321–5
A possible role for calmodulin in human thyroid cell metabolism. Ollis CA, et al. **J Endocrinol** 1983 Nov; 99(2):251–60
Thyroid hormone secretion is more sensitive than thyroid cyclic AMP accumulation to stimulation with LATS in mice in vitro and in vivo. Ikeda H, et al. **J Endocrinol Invest** 1984 Feb;7(1):1–6
Plasma and urine cyclic nucleotide levels in patients with hyperthyroidism and hypothyroidism. Peracchi M, et al. **J Endocrinol Invest** 1983 Jun;6(3):173–7
Uptake of adenosine 3',5'-cyclic monophosphate and isoproterenol by filarial parasites. Masood K, et al. **J Helminthol** 1983 Dec;57(4):335–8
Mononuclear leukocyte cyclic adenosine monophosphate responses in psoriasis are normal. Archer CB, et al. **J Invest Dermatol** 1984 Apr;82(4):316–7
Epidermolysis bullosa dystrophica recessive fibroblasts produce increased concentrations of cAMP within a collagen matrix. Ehrlich HP, et al. **J Invest Dermatol** 1984 Sep;83(3):230–3
Cyclic nucleotides in human epidermis—diurnal variations. Schwarz W, et al. **J Invest Dermatol** 1984 Feb;82(2):119–21
Chloride secretion by canine tracheal epithelium: I. Role of intracellular c AMP levels. Smith PL, et al. **J Membr Biol** 1982;70(3):217–26
Modulation by unsaturated fatty acids of norepinephrine- and adenosine-induced formation of cyclic AMP in brain slices. Baba A, et al. **J Neurochem** 1984 Jan;42(1):192–7
Sustained elevation of hippocampal cyclic 3'-5' adenosine monophosphate levels after medial septal lesions. Bernard E, et al. **J Neurochem** 1983 Oct;41(4):1171–6
Hormones and neurotransmitters control cyclic AMP metabolism in choroid plexus epithelial cells. Crook RB, et al. **J Neurochem** 1984 Feb;42(2):340–50
Regulation of cyclic AMP accumulation by peptide hormone receptors in immunocytochemically defined astroglial cells. Evans T, et al. **J Neurochem** 1984 Jul;43(1):131–8
Forskolin stimulates adenylate cyclase activity, cyclic AMP accumulation, and adrenocorticotropin secretion from mouse anterior pituitary tumor cells. Heisler S, et al. **J Neurochem** 1984 Jun;42(6):1659–66
Interaction of neuropeptides and cultured glial (Müller) cells of the chick retina: elevation of intracellular cyclic AMP by vasoactive intestinal peptide and glucagon. Koh SW, et al. **J Neurochem** 1984 Jul;43(1):199–203
Agonist effects on the intracellular cyclic AMP concentration of retinal pigment epithelial cells in culture. Koh SW, et al. **J Neurochem** 1984 Jan;42(1):287–9
Regulation of depolarization-dependent release of neurotransmitters by adenosine: cyclic AMP-dependent enhancement of release from PC12 cells. Rabe CS, et al. **J Neurochem** 1983 Dec;41(6):1623–34
Nerve growth factor stimulates phospholipid methylation in target ganglionic neurons independently of the cyclic AMP and sodium pump responses. Skaper SD, et al. **J Neurochem** 1984 Jan;42(1):116–22
Effects of vasoactive intestinal peptide and other peptides on cyclic AMP accumulation in intact pieces and isolated horizontal cells of the teleost retina. Watling KJ, et al. **J Neurochem** 1983 Nov;41(5):1205–13
Effects of 5-hydroxytryptamine on membrane potential, contractility, accumulation of cyclic AMP, and Ca2+ movements in anterior aorta and ventricle of Aplysia. Sawada M, et al. **J Neurophysiol** 1984 Feb;51(2):361–74
Activators of cyclic adenosine 3':5'-monophosphate accumulation in rat hippocampal slices: action of vasoactive intestinal peptide (VIP). Etgen AM, et al. **J Neurosci** 1983 Dec;3(12):2487–93
Somatostatin pretreatment desensitizes somatostatin receptors linked to adenylate cyclase and facilitates the stimulation of cyclic adenosine 3':5'-monophosphate accumulation in anterior pituitary tumor cells. Reisine TD, et al. **J Neurosci** 1984 Mar;4(3):812–9
Adenosine inhibition of catecholamine-induced increase in force of contraction in guinea-pig atrial and ventricular heart preparations. Evidence against a cyclic AMP- and cyclic GMP-dependent effect. Böhm M, et al. **J Pharmacol Exp Ther** 1984 Aug;230(2):483–92
Somatostatin desensitization: loss of the ability of somatostatin to inhibit cyclic AMP accumulation and adrenocorticotropin hormone release. Reisine T. **J Pharmacol Exp Ther** 1984 Apr;229(1):14–20
A modulatory octopaminergic neurone increases cyclic nucleotide levels in locust skeletal muscle. Evans PD. **J Physiol (Lond)** 1984 Mar;348:307–24
Oxytocin and vasopressin have no effect on progesterone production and cyclic AMP accumulation by rat luteal cells in vitro. Mukhopadhyay AK, et al. **J Reprod Fertil** 1984 Sep;72(1):137–41
Effect of forskolin on the spontaneous maturation and cyclic AMP content of rat oocyte-cumulus complexes. Racowsky C. **J Reprod Fertil** 1984 Sep;72(1):107–16
Characteristics of cyclic nucleotide dependent regulation of cytoplasmic E2 binders in cultured endometrial and breast cells. Fleming H, et al. **J Steroid Biochem** 1984 Jan; 20(1):5–9
Concurrent changes in growth-related biochemical parameters during regression of hormone-dependent rat mammary tumors. Foecking MK, et al. **JNCI** 1983 Oct; 71(4):773–8
Long-term effects of triiodothyronine and thiouracil on myocardial beta-adrenergic receptor numbers and cyclic AMP concentration in rats. Niizoe K, et al. **Jpn Circ J** 1984 May;48(5):508–14
Cyclic nucleotides concentrations in the canine heart with regional ischemia. The role of cyclic AMP in ventricular fibrillation and the effect of dibutyryl cyclic AMP. Ukai M, et al. **Jpn Circ J** 1984 Mar;48(3):247–52
Cyclic AMP-associated shape change in mesangial cells and its reversal by prostaglandin E2. Kreisberg JI, et al. **Kidney Int** 1984 Jun;25(6):874–9
Hormone and methylxanthine action on breast epithelial cells. Barber R, et al. **Life Sci** 1984 Jun 18;34(25):2467–76
Solubilized active pituitary and ovarian gonadotropin-releasing hormone receptors retain binding properties for adenosine 3',5'-cyclic monophosphate derivatives. Capponi AM, et al. **Life Sci** 1984 May 28; 34(22):2139–44
Graded footshock stress elevates pituitary cyclic AMP and plasma beta-endorphin, beta-LPH corticosterone and prolactin. Kant GJ, et al. **Life Sci** 1983 Dec 26; 33(26):2657–63
The possible involvement of both calcium and cyclic AMP in the dopaminergic inhibition of prolactin secretion. Merritt JE, et al. **Life Sci** 1984 Aug 13;35(7):707–11
Dexamethasone is a potent stimulator of growth hormone-releasing factor-induced cyclic AMP accumulation in the adenohypophysis. Michel D, et al. **Life Sci** 1984 Aug 6;35(6):597–602
Thyrotropin-releasing hormone (TRH) and its analog (DN-1417): interaction with pentobarbital in oxygen consumption and cyclic AMP formation of rat cerebral cortex slices. Narumi S, et al. **Life Sci** 1984 May 28; 34(22):2177–84
Comparison of capsaicin and substance P induced cyclic AMP accumulation in spinal cord tissue slices. Northam WJ, et al. **Life Sci** 1984 Jul 16;35(3):293–302
Effect of hyperthermia in combination with vitamin E and cyclic AMP on neuroblastoma cells in culture. Rama BN, et al. **Life Sci** 1984 May 21;34(21):2089–97
PGE1 and prostacyclin suppression of NK-cell mediated cytotoxicity and its relation to cyclic AMP. Lanefelt F, et al. **Med Biol** 1983;61(6):324–30
Forskolin increases cellular cyclic adenosine monophosphate content and parathyroid hormone release in dispersed bovine parathyroid cells. Shoback DM, et al. **Metabolism** 1984 Jun;33(6):509–14
Regulation of adenosine-3',5'-monophosphate levels in rat anterior pituitary by adrenal corticoids. Tornello S, et al. **Metabolism** 1984 Mar;33(3):224–9
Using analogs to study selectivity and cooperativity of cyclic nucleotide binding sites. Rannels SR, et al. **Methods Enzymol** 1983;99:168–75
Regulatory subunits of bovine heart and rabbit skeletal muscle cAMP-dependent protein kinase isozymes. Rannels SR, et al. **Methods Enzymol** 1983;99:55–62
Inhibitor protein of the cAMP-dependent protein kinase: characteristics and purification. Whitehouse S, et al. **Methods Enzymol** 1983;99:80–93
Insulin alters cyclic nucleotide metabolism and glycogen synthase activity in microvessels from hamster adipose tissue. Nemecek GM, et al. **Microvasc Res** 1983 Nov; 26(3):339–43
Effect of divalent ions on basal and hormone-activated renal adenylate cyclase/cyclic AMP system. Wald H, et al. **Miner Electrolyte Metab** 1984;10(2):133–40
A comparison of the PTH-dependent cAMP responses in osteoclastic and osteoblastic bone cells. Wong GL. **Miner Electrolyte Metab** 1984;10(2):77–83
Growth of Trypanosoma cruzi epimastigotes controlled by shifts in cyclic AMP mediated by adrenergic ligands. Oliveira MM, et al. **Mol Biochem Parasitol** 1984 Apr; 11:283–92
Subcellular distribution and partial characterization of the cyclic AMP-binding proteins of Trypanosoma brucei. Rangel-Aldao R, et al. **Mol Biochem Parasitol** 1984 Feb; 10(2):231–41
Effects of desensitization on the responses of WI-38 and S49 cells to hormones. Barber R, et al. **Mol Cell Endocrinol** 1984 Jun;36(1-2):29–35
Cytolytic effects of dexamethasone and of agents stimulating cyclic AMP content in isolated mouse thymocytes. Durant S, et al. **Mol Cell Endocrinol** 1983 Aug;31(2-3):215–25
Interactions between growth hormone-releasing factor, prostaglandin E2 and somatostatin on cyclic AMP accumulation in rat adenohypophysial cells in culture. Michel D, et al. **Mol Cell Endocrinol** 1983 Dec; 33(2-3):255–64
On the mechanism of 'escape' from desensitization of the cyclic AMP response to TSH in cultured human thyroid cells. Rapoport B, et al. **Mol Cell Endocrinol** 1984 Jul; 36(3):181–6
Desensitization of the cAMP system in mouse Leydig cells by hCG, cholera toxin, dibutyryl cAMP and cAMP: localization of the 'lesion' to the guanine nucleotide regulatory protein-adenylate cyclase complex. Schumacher M, et al. **Mol Cell Endocrinol** 1984 Jan;34(1):67–80
The effect of calcium on the potentiation of LH-stimulated steroidogenesis and inhibition of LH-stimulated cyclic AMP production by LHRH agonist (ICI 118630) in rat Leydig cells. Sullivan MH, et al. **Mol Cell Endocrinol** 1984 Jan;34(1):17–22
Dissociation of E prostaglandin effects on liver glycogenolysis and cyclic AMP levels. Sweat FW, et al. **Mol Cell Endocrinol** 1983 Oct;32(2-3):131–42
Acute elevation of cyclic AMP does not alter the ion-conducting properties of the neuronal nicotinic acetylcholine receptor of PC12 cells. McGee R Jr, et al. **Mol Pharmacol** 1984 Jul;26(1):51–6
The effects of alkylated xanthines on cyclic AMP accumulation in dog thyroid slices exposed to carbamylcholine. Miot F, et al. **Mol Pharmacol** 1984 Mar; 25(2):261–6
VIP and noradrenaline act synergistically to increase cyclic AMP in cerebral cortex. Magistretti PJ, et al. **Nature** 1984 Mar 15-21;308(5956):280–2
Experimental metastasis correlates with cyclic AMP accumulation in B16 melanoma clones. Sheppard JR, et al. **Nature** 1984 Apr 5-11;308(5959):544–7
Inhibition by loperamide of deoxycholic acid induced intestinal secretion. Farack UM, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Mar; 325(3):286–9
UD-CG 115—a cardiotonic pyridazinone which elevates cyclic AMP and prolongs the action potential in guinea-pig papillary muscle. Honerjäger P, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Mar; 325(3):259–69
Melatonin inhibits beta-adrenoceptor-stimulated cyclic AMP accumulation in rat astroglial cell cultures. Vacas MI, et al. **Neuroendocrinology** 1984 Mar;38(3):176–81
Supersensitivity of the noradrenergic system in the spinal cord following intracisternal injection of 6-hydroxydopamine. Jones DJ, et al. **Neuropharmacology** 1984 Apr;23(4):431–8
The effects of chronic oral administration of barbital on cerebellar cyclic GMP. Lane SJ, et al. **Neuropharmacology** 1984 Jul;23(7A):779–83
Depression of cerebellar cGMP by barbiturates. Relationship to locomotor activity. Morgan WW, et al. **Neuropharmacology** 1984 Jul;23(7A):773–7
Enrichment of cyclic adenosine 3',5'-monophosphate and cyclic guanosine 3',5'-monophosphate in cholinergic axon terminals of the Torpedo electric organ. Röhrkasten A, et al. **Neurosci Lett** 1983 Dec 2;42(2):201–6
Deletion analysis of the CAP-cAMP binding site of the Escherichia coli lactose promoter. Yu XM, et al. **Nucleic Acids Res** 1984 Jul 11;12(13):5449–64
Adrenergic versus VIPergic control of cyclic AMP in human colonic crypts. Boige N, et al. **Peptides (Fayetteville)** 1984 Mar-Apr;5(2):379–83
Vasopressin potentiates the stimulation of cyclic AMP accumulation by norepinephrine. Church AC. **Peptides (Fayetteville)** 1983 Mar-Apr;4(2):261–3
The effects of VIP on cyclic AMP and glycogen levels in vertebrate retina. Schorderet M, et al. **Peptides (Fayetteville)** 1984 Mar-Apr;5(2):295–8
Phosphorylation of rat kidney proximal tubular brush border membranes. Role of c-AMP dependent protein phosphorylation in the regulation of phosphate transport. Biber J, et al. **Pflugers Arch** 1983 Aug;398(3):221–6
Cyclic nucleotides and aggressive behavior. Eichelman B, et al. **Pharmacol Biochem Behav** 1981;14 Suppl 1:7–12
Colonic cyclic AMP metabolism following chronic ethanol consumption in the rat: effect of hormonal secretagogues. Seitz HK, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:337–40
Evidence for a circadian-phase-dependency in 3H-dihydroalprenolol binding and cyclic AMP content in heart ventricles of L-D-synchronized rats. Lemmer B, et al. **Pol J Pharmacol Pharm** 1984 Mar-Jun;36(2-3):275–80
Alternative modes of enkephalin biosynthesis regulation by reserpine and cyclic AMP in cultured chromaffin cells. Fiden LE, et al. **Proc Natl Acad Sci USA** 1984 Jul; 81(13):3949–53
Potentiation of alpha 1-adrenergic responses in rat liver by a cAMP-dependent mechanism. Morgan NG, et al. **Proc Natl Acad Sci USA** 1984 Jul;81(13):4208–12
Antagonism by taxol of effects of microtubule-disrupting agents on lymphocyte cAMP metabolism and cell function. Wolberg G, et al. **Proc Natl Acad Sci USA** 1984 Jun; 81(11):3496–500
Temporal relationship of cyclic nucleotide levels and calcium exchange to histamine-induced tension development. Kolbeck RC, et al. **Proc Soc Exp Biol Med** 1984 Oct; 177(1):126–31
Role of cyclic nucleotides in the activation-secretion response. Winslow CM, et al. **Prog Allergy** 1984;34:236–70 (265 ref.)
Effects of psychoactive drugs on cyclic nucleotides in the central nervous system. Palmer GC. **Prog Neurobiol** 1983; 21(1-2):1–133 (840 ref.)
Effect of 7-fluoro prostacyclin, a stable prostacyclin analogue, on cAMP accumulation and prostaglandin binding in mastocytoma P-815 cells. Mizuno Y, et al. **Prostaglandins** 1983 Nov;26(5):785–95
Lipoxygenase and cyclooxygenase products of arachidonic acid in uterus. Selective interaction with the cGMP and cAMP systems. Vesin MF, et al.

Prostaglandins Leukotrienes Med 1984 Jan;13(1):75–8

Comparison of stress response in male and female rats: pituitary cyclic AMP and plasma prolactin, growth hormone and corticosterone. Kant GJ, et al. **Psychoneuroendocrinology** 1983;8(4):421–8

Reduction of the cAMP response to norepinephrine in rat cerebral cortex following repeated restraint stress. Stone EA, et al. **Psychopharmacology (Berlin)** 1984;82(4):403–5

Effects of radioprotectors on the cAMP and cGMP systems. Sobolev AS, et al. **Radiat Environ Biophys** 1984;23(2):79–93

Cyclic nucleotide responses and radiation-induced mitotic delay in Physarum polycephalum. Daniel JW, et al. **Radiat Res** 1984 Feb;97(2):341–51

Comparison of cAMP system in parietal cells from rat and guinea pig. Holian O, et al. **Scand J Gastroenterol** 1983 Sep;18(6):819–24

Synergistic enzyme induction by glucocorticoids and cyclic AMP observed in glioma x hepatoma cell hybrids but not in their parents. Meyer RD, et al. **Somatic Cell Mol Genet** 1984 Mar;10(2):153–9

Effect of the stable endoperoxide analog U-46619 on prostacyclin production and cyclic AMP levels in bovine endothelial cells. Nicholson NS, et al. **Thromb Res** 1984 Jul 15;35(2):183–92

Effect of some beta-adrenergic blocking agents on tissue guanylate cyclase and cyclic nucleotides in the rat. Okine LK, et al. **Toxicol Lett** 1983 Sep;18(3):235–40

Elevated cAMP in intestinal epithelial cells during experimental cholera and salmonellosis. Peterson JW, et al. **Toxicon** 1983;21(6):761–75

Effect of theophyllin and isoproterenol on cAMP level in melanotic and amelanotic hamster melanomas. Blagoeva PM, et al. **Tumori** 1983 Oct 31;69(5):391–4

[Changes in the cAMP content in the intestinal and liver tissue and in 35S-thiamine transport in chickens fed a low-protein diet] Bokhorov O, et al. **Vet Med Nauki** 1984; 21(3):48–57 (Eng. Abstr.) **(Bul)**

[Effect of prolonged hypo- or hyperkinesia on the cAMP content in the liver, brain and muscles of rats] Bokhorov O, et al. **Vet Med Nauki** 1984;21(5):66–70 (Eng. Abstr.) **(Bul)**

[Specific association of the CRP-cyclic AMP complex with the control region of the lactose operon of Escherichia coli K 12: a direct fluorimetric study using DNA fragments of different lengths] Baudras A, et al. **Biochimie** 1983 Jul; 65(7):437–40 (Eng. Abstr.) **(Fre)**

[The cAMP system and bacterial toxins] Kather H, et al. **Klin Wochenschr** 1983 Nov 15;61(22):1109–14 (42 ref.) (Eng. Abstr.) **(Ger)**

[Effects of street noise on plasma catecholamines, cyclic AMP and various cardiovascular and metabolic functions in a group of normal subjects] Catapano F, et al. **Minerva Med** 1984 May 7;75(19):1111–5 (Eng. Abstr.) **(Ita)**

[The role of cultured thymic epithelium and dialyzable leukocyte extracts on the maturation process of T cell. Study of their effects on cyclic nucleotides levels in thymocytes] Tsuneta H. **Hokkaido Igaku Zasshi** 1984 Mar; 59(2):128–39 (Eng. Abstr.) **(Jpn)**

[Significance of cyclic nucleotide determination in urogenital malignancies] Kataoka K, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Mar;74(3):321–9 (Eng. Abstr.) **(Jpn)**

[Experimental studies on mechanisms of gastric acid secretion. Gastric acid secretion and role of cellular cyclic AMP in isolated guinea pig gastric glands] Nishihara S. **Nippon Shokakibyo Gakkai Zasshi** 1984 Jun;81(6):1365–76 (Eng. Abstr.) **(Jpn)**

[Effect of drugs on cyclic AMP levels in the tissues of animals at different stages of ontogenesis. I. Experimental studies on the effect of adrenomimetic drugs on cyclic AMP concentrr' on in the brain of 7-day-old and adult rats] Wańkowicz B, et al. **Probl Med Wieku Rozwoj** 1983; 12:376–9 (Eng. Abstr.) **(Pol)**

[cAMP-dependent phosphorylation in the pig brain] Kochetkov SN, et al. **Biokhimiia** 1984 Feb;49(2):344–8 (Eng. Abstr.) **(Rus)**

[Expressions of two types of soluble cAMP-dependent protein kinases of the rabbit myometrium in different functional states] Kondratiuk TP, et al. **Biokhimiia** 1984 Jun;49(6):908–12 (Eng. Abstr.) **(Rus)**

[System of cAMP-dependent phosphorylation in NIH 3T3 cells passing into the resting state] Tunitskaia VL, et al. **Biokhimiia** 1984 Jun;49(6):1019–25 (Eng. Abstr.) **(Rus)**

[Effect of adenosine, AMP and papaverine on the cAMP content in thymocytes prelabelled with 14C-adenine] Dmitrenko NP, et al. **Biull Eksp Biol Med** 1984 Aug; 97(8):181–3 (Eng. Abstr.) **(Rus)**

[Effect of corticotropin and hydrocortisone on the cyclic AMP content and phosphodiesterase activity in the skeletal and smooth muscles of rats] Komissarenko VP, et al. **Biull Eksp Biol Med** 1984 Aug;97(8):192–4 (Eng. Abstr.) **(Rus)**

[Dynamics of the cAMP and cGMP content of the heart in transient coronary insufficiency in rats] Litvitskiĭ PF, et al. **Biull Eksp Biol Med** 1984 Jan;97(1):37–9 (Eng. Abstr.) **(Rus)**

[Relation of the cyclic nucleotide system with the functional state of the cholinoreceptors] Podosinovikova NP, et al. **Biull Eksp Biol Med** 1984 Jul;97(7):47–8 (Eng. Abstr.) **(Rus)**

[Decrease in the lipid content of human atherosclerotic aorta cells as affected by compounds increasing the intracellular level of cyclic AMP] Tertov VV, et al. **Biull Eksp Biol Med** 1984 Feb;97(2):157–8 (Eng. Abstr.) **(Rus)**

[cAMP-dependent protein kinase activity and phospholamban phosphorylation of the heart in circulatory hypoxia. The effect of trypsin on the capacity for phosphorylation] Antipenko AE, et al. **Dokl Akad Nauk SSSR** 1984;275(2):490–3 **(Rus)**

[Cyclic AMP and the regulation of 2',5'-oligo(A)-synthetase activity in a mouse fibroblast cell culture] Turpaev KT, et al. **Dokl Akad Nauk SSSR** 1984;275(5):1231–4 **(Rus)**

[Cyclic nucleotide, gastrin and somatostatin content of duodenal mucosa in patients with duodenal ulcer] Mosin VI, et al. **Klin Med (Mosk)** 1984 May;62(5):31–6 (Eng. Abstr.) **(Rus)**

[Role of cyclic nucleotides in the pathogenesis of acute hypoxia] Buravkova LB, et al. **Patol Fiziol Eksp Ter** 1983 Sep–Oct;(5):40–3 (Eng. Abstr.) **(Rus)**

[Effect of thyrotropic hormone on the prostaglandin and cyclic nucleotide/content of human thyroid tissue] Gal'chunskaia VIu. **Probl Endokrinol (Mosk)** 1984 Jan–Feb; 30(1):28–31 (Eng. Abstr.) **(Rus)**

[Effect of conservative treatment and vagotomy on components of the cAMP system in the gastric mucosa and gastric juice in patients with duodenal ulcer] Krylov AA, et al. **Ter Arkh** 1983;55(9):118–21 (Eng. Abstr.) **(Rus)**

[Effect of the tumor promotor 12-o-tetradecanoyl phorbol-13—acetate on cyclic adenosine monophosphate levels in cell cultures. Relation to cell proliferation] Ganelina LSh, et al. **Tsitologiia** 1983 Nov;25(11):1296–301 (Eng. Abstr.) **(Rus)**

[cAMP-dependent regulation of glycogen phosphorolysis in rat liver after exposure to tetrachloromethane] Gubskiĭ IuI. **Ukr Biokhim Zh** 1983 Jul–Aug;55(4):431–6 (Eng. Abstr.) **(Rus)**

[The possible role of disruptions of the cyclic AMP system in the pathogenesis of thyrotoxic myopathies] Kazakov VM, et al. **Vopr Med Khim** 1983 Nov–Dec;29(6):69–73 (Eng. Abstr.) **(Rus)**

[Changes in the cAMP level in macrophages during the phagocytosis of Salmonella typhimurium. II. Effect of the virulence of microorganisms and the immune status of the macrophages on the dynamics of changes in cAMP levels] Bolchenko MN, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Oct;(10):60–2 (Eng. Abstr.) **(Rus)**

[Trypsin increases the production of cAMP in isolated cells of the thyroid gland] Knopp J, et al. **Cesk Fysiol** 1984; 33(2):119–22 **(Slo)**

PHARMACODYNAMICS

PGE2 and PGF2 alpha, cyclic nucleotides and reactivity of the rat femoral artery. Somova L, et al. **Acta Physiol Pharmacol Bulg** 1983;9(2):36–42

Reversible resistance to the phosphaturic effect of db-cAMP in lithium-treated rats. Angielski S, et al. **Acta Physiol Pol** 1982 Sep–Dec;33(5–6):463–74

The effects of cyclic nucleotides and eicosanoids on Na+ and K+ transport systems in human red cells and mouse macrophages. Diez J, et al. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1984; 17:621–30

Cyclic-AMP-mediated modulation of gene expression in adrenal chromaffin ceil cultures. Schwartz JP, et al. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1984; 17:529–34

Cyclic-GMP- and cyclic-AMP-induced intestinal ion secretion: analysis at the level of brush border membrane vesicles. van Dommelen FS, et al. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1984; 17:303–13

Regulation of histidine decarboxylase activity in rat hypothalamus in vitro by ATP and cyclic AMP: enzyme inactivation under phosphorylating conditions. Huszti Z, et al. **Agents Actions** 1984 Apr;14(3–4):546–9

Effect of cyclic AMP, disodium cromoglycate and other anti-allergic drugs on histamine secretion from rat mast cells stimulated with the calcium ionophore ionomycin. Truneh A, et al. **Agents Actions** 1984 Feb;14(2):179–84

Effect of cyclic AMP, db-cyclic AMP and phosphodiesterase inhibitors on histamine inhibition of the contractile response of the mouse vas deferens. Vohra MM. **Agents Actions** 1984 Jan;14(1):11–20

Effects of theophylline and cAMP on intestinal allosteric chloride transport in freshwater prawns. Ahearn GA, et al. **Am J Physiol** 1984 Jul;247(1 Pt 2):R196–202

Activation of protein kinase activity in pancreatic acini by calcium and cAMP. Burnham DB, et al. **Am J Physiol** 1984 May;246(5 Pt 1):G500–8

Sensitivity of cAMP-stimulated salt secretion in shark rectal gland to 'loop' diuretics. Palfrey HC, et al. **Am J Physiol** 1984 Mar;246(3 Pt 1):C242–6

Adrenergic nervous control of cAMP-mediated amylase secretion in the rat pancreas. Pearson GT, et al. **Am J Physiol** 1984 May;246(5 Pt 1):G563–73

Cholera-induced mucin secretion from rat intestine: lack of effect of cAMP, cycloheximide, VIP, and colchicine. Roomi N, et al. **Am J Physiol** 1984 Aug;247(2 Pt 1):G140–8

Role of calcium in cAMP-mediated effects in the elasmobranch rectal gland. Shuttleworth TJ. **Am J Physiol** 1983 Dec;245(6):R894–900

Characterization of a fluorescent substrate for the adenosine 3',5'-cyclic monophosphate-dependent protein kinase. Malencik DA, et al. **Anal Biochem** 1983 Jul 1;132(1):34–40

Developmental changes in the endogenous Ca2+-stimulated proteolysis of mouse lung cAMP-dependent protein kinases. Beer DG, et al. **Arch Biochem Biophys** 1984 Jan; 228(1):207–19

Electron microscopic observations on alterations in cultured Plasmodium falciparum and infected erythrocytes after treatment with cyclic AMP in vitro. Ono T, et al. **Biken J** 1983 Jun;26(2):75–85

Effect of intracellular injection of cAMP on the electrical coupling of mammalian cardiac cells. De Mello WC. **Biochem Biophys Res Commun** 1984 Mar 30;119(3):1001–7

Modulation of renal ATPase activities by cyclic AMP. Giesen EM, et al. **Biochem Biophys Res Commun** 1984 Apr 30;120(2):619–24

Protein phosphorylation in pancreatic islets: evidence for separate Ca2+ and cAMP-enhanced phosphorylation of two 57,000 Mr proteins. Kowluru A, et al. **Biochem Biophys Res Commun** 1984 Feb 14;118(3):797–804

Endogenous cyclic AMP-stimulated phosphorylation of a Wolfgram protein component in rabbit central-nervous-system myelin. Bradbury JM, et al. **Biochem J** 1984 Jul 15;221(2):351–9

Can phosphorylation of phosphatidate phosphohydrolase by a cyclic AMP-dependent mechanism regulate its activity and subcellular distribution and control hepatic glycerolipid synthesis? Butterwith SC, et al. **Biochem J** 1984 Sep 1;222(2):487–93

Cyclic AMP-dependent protein phosphorylation and insulin secretion in intact islets of Langerhans. Christie MR, et al. **Biochem J** 1984 Feb 15;218(1):87–99

Ca2+-calmodulin-, cyclic AMP- and cyclic GMP-induced phosphorylation of proteins in purified microvillus membranes of rabbit ileum. Donowitz M, et al. **Biochem J** 1984 Apr 15;219(2):573–81

Adenosine 3',5'-cyclic monophosphate-dependent release of prolactin from GH3 pituitary tumour cells. A quantitative analysis. Guild S, et al. **Biochem J** 1983 Dec 15;216(3):551–7

Fatty acids reverse the cyclic AMP inhibition of triacylglycerol and phosphatidylcholine synthesis in rat hepatocytes. Pelech SL, et al. **Biochem J** 1983 Oct 15; 216(1):129–36

Effects of cyclic AMP and protein kinase on calcium uptake in a microsomal fraction from guinea pig taenia caecum. Hisayama T, et al. **Biochem Pharmacol** 1983 Nov 1; 32(21):3197–203

Phosphorylation in sealed rod outer segments: effects of cyclic nucleotides. Shuster TA, et al. **Biochemistry** 1984 Jan 31;23(3):515–21

Effects of cyclic AMP analogues and phosphodiesterase inhibitors on phospholipid biosynthesis in fetal type II pneumocytes. Aeberhard EE, et al. **Biochim Biophys Acta** 1984 Feb 17;803(1–2):29–38

Endogenous substrates for cyclic AMP-dependent and calcium-dependent protein phosphorylation in rabbit peritoneal neutrophils. Huang CK, et al. **Biochim Biophys Acta** 1983 Oct 4;760(1):126–35

Development of steroidogenic activity in the ovary of the prepubertal hamster: II. Production of steroids from steroidal precursors and response in vitro to cyclic adenosine monophosphate and luteinizing hormone. Shaha C, et al. **Biol Reprod** 1983 Dec;29(5):1085–91

The effect of cyclic nucleotides and icosanoids on Na+ and K+ transport in human red cells. Garay R, et al. **Biomed Biochim Acta** 1983;42(11–12):S53–7

Stimulation of a sodium influx by cAMP in Helix neurons. Aldenhoff JB, et al. **Brain Res** 1983 Oct 16;276(2):289–96

Phenothiazines mimic the action of cAMP in potentiating slow inward current in a bursting molluscan neuron. Gillette R, et al. **Brain Res** 1983 Aug 29;273(2):384–6

Changes in ionic conductances induced by cAMP in Helix neurons. Swandulla D, et al. **Brain Res** 1984 Jul 2; 305(1):115–22

The effects of prostaglandin E2, parathyroid hormone, 1,25 dihydroxycholecalciferol, and cyclic nucleotide analogs on alkaline phosphatase activity in osteoblastic cells. Kumegawa M, et al. **Calcif Tissue Int** 1984 Jan;36(1):72–6

Characteristics of a new human neuroblastoma cell line which differentiates in response to cyclic adenosine 3':5'-monophosphate. Rupniak HT, et al. **Cancer Res** 1984 Jun;44(6):2600–7

EGF, PGF2 alpha and insulin induce the phosphorylation of identical S6 peptides in swiss mouse 3T3 cells: effect of cAMP on early sites of phosphorylation. Martin-Pérez J, et al. **Cell** 1984 Feb;36(2):287–94

Further observations on the increases in inositide phospholipids after stimulation by ACTH, cAMP and insulin, and on discrepancies in phosphatidylinositol mass and 32PO4-labeling during inhibition of hormonal effects by cycloheximide. Farese RV, et al. **Cell Calcium** 1983 Jul; 4(3):195–218

Changes in the rate of laminin and entactin synthesis in F9 embryonal carcinoma cells treated with retinoic acid and cyclic amp. Cooper AR, et al. **Dev Biol** 1983 Oct; 99(2):510–6

Evolution of Ca2+- and cAMP-dependent regulatory mechanisms during ram spermatogenesis. Feinberg J, et al. **Dev Biol** 1983 Nov;100(1):260–5

Cyclic nucleotides affect growth and differentiation of

cultured rat embryonic shields. Skreb N, et al. **Dev Biol** 1984 Feb;101(2):367–72

On the action of the cyclic AMP–cyclic AMP receptor protein complex at the Escherichia coli lactose and galactose promoter regions. Spassky A, et al. **EMBO J** 1984 Jan;3(1):43–50

Regulation of the ovalbumin gene: effects of insulin, adenosine 3',5'–monophosphate, and estrogen. Evans MI, et al. **Endocrinology** 1984 Jul;115(1):368–77

Modulation of soluble ovarian adenosine 3',5'–monophosphate–dependent protein kinase activity during prepubertal development of the rat. Hunzicker–Dunn M, et al. **Endocrinology** 1984 Jul; 115(1):302–11

Cyclic adenosine 3',5'–monophosphate modulation of mullerian duct regression. Ikawa H, et al. **Endocrinology** 1984 May;114(5):1686–91

Estrogens enhance the adenosine 3',5'–monophosphate–mediated induction of follicle–stimulating hormone and luteinizing hormone receptors in rat granulosa cells. Knecht M, et al. **Endocrinology** 1984 Jul;115(1):41–9

Effects of glucose and 3',5'–cyclic adenosine monophosphate upon reaggregation of single pancreatic B–cells. Maes E, et al. **Endocrinology** 1984 Jun;114(6):2205–9

Adenosine 3',5'–monophosphate derivatives increase gonadotropin–releasing hormone receptors in cultured pituitary cells. Young LS, et al. **Endocrinology** 1984 Jun; 114(6):2114–22

On the interactions of adenosine 3',5'–monophosphate with the components of protein kinase I. A theoretical equilibrium analysis. Swillens S. **Eur J Biochem** 1983 Dec 15;137(3):581–7

Local application of cyclic AMP in the rat brain: characterization of the cardiovascular response. Johnson JD, et al. **Eur J Pharmacol** 1983 Aug 5;91(4):343–51

Comparison of the neuritogenic activity of cyclic nucleotides and skeletal muscle–conditioned medium on ciliary ganglia in vitro. Monastersky GM, et al. **Exp Neurol** 1984 Jul; 85(1):152–68

Cooperative non–specific DNA binding of the N–terminal core of the cyclic AMP receptor protein of Escherichia coli and its modulation by cyclic AMP. Clore GM, et al. **FEBS Lett** 1983 Nov 28;164(1):57–62

S–adenosyl–L–homocysteine hydrolase from Dictyostelium discoideum is inactivated by cAMP and reactivated by NAD+. Hohman RJ, et al. **FEBS Lett** 1984 Jan 9; 165(2):265–8

Opposing effects of cyclic adenosine–3',5'–monophosphate and cyclic guanosine–3',5'–monophosphate on the metabolism of 24–hydroxyvitamin D3 in isolated chick renal tubules. Prince RL, et al. **Horm Metab Res** 1983 Aug; 15(8):399–403

Effect of cyclic AMP–elevating agents on human spontaneous IgE synthesis in vitro. Strannegård O, et al. **Int Arch Allergy Appl Immunol** 1984;74(1):9–14

Phosphorylation of proteolytically–nicked rat hepatic acetyl–CoA carboxylase. Gillevet PM, et al. **Int J Biochem** 1983;15(11):1361–5

Antagonistic transcriptional regulation of the putrescine biosynthetic enzyme agmatine ureohydrolase by cyclic AMP and agmatine in Escherichia coli. Satishchandran C, et al. **J Bacteriol** 1984 Feb;157(2):552–9

Influence of cyclic AMP on photosynthetic development in Rhodospirillum rubrum. Solaiman D, et al. **J Bacteriol** 1984 Aug;159(2):790–2

Transmethylation inhibitors decrease chemotactic sensitivity and delay cell aggregation in Dictyostelium discoideum. van Waarde A, et al. **J Bacteriol** 1984 Feb;157(2):368–74

Phosphorylation of specific polypeptides in isolated murine splenocyte nuclei which is controlled by cyclic nucleotides. Hashizume H, et al. **J Biochem (Tokyo)** 1983 Sep; 94(3):961–6

Purification and characterization of a cAMP– and Ca2+–calmodulin–independent glycogen synthase kinase from porcine renal cortex. Beebe SJ, et al. **J Biol Chem** 1984 Feb 10;259(3):1415–22

Cyclic AMP–dependent phosphorylation of the alpha subunit of the sodium channel in synaptic nerve ending particles. Costa MR, et al. **J Biol Chem** 1984 Jul 10;259(13):8210–8

Site of insulin inhibition of cAMP–stimulated glycogenolysis. Gabbay RA, et al. **J Biol Chem** 1984 May 25;259(10):6052–5

Regulation of tyrosine hydroxylase mRNA by glucocorticoid and cyclic AMP in a rat pheochromocytoma cell line. Isolation of a cDNA clone for tyrosine hydroxylase mRNA. Lewis EJ, et al. **J Biol Chem** 1983 Dec 10; 258(23):14632–7

In vivo hormonal control of L–type pyruvate kinase gene expression. Effects of glucagon, cyclic AMP, insulin, cortisone, and thyroid hormones on the dietary induction of mRNAs in the liver. Munnich A, et al. **J Biol Chem** 1984 Aug 25;259(16):10228–31

Rapid action of insulin and cyclic AMP in the regulation of functional messenger RNA coding for glucokinase in rat liver. Sibrowski W, et al. **J Biol Chem** 1984 Jan 10; 259(1):343–6

Regulation of reactivated contraction in teleost retinal cone models by calcium and cyclic adenosine monophosphate. Porrello K, et al. **J Cell Biol** 1984 Jun;98(6):2230–8

Cyclic AMP–dependent phosphorylation of the precursor to beta subunit of mitochondrial F1–ATPase: a physiological mistake? Steinberg RA. **J Cell Biol** 1984 Jun; 98(6):2174–8

Effects of cAMP on single cell motility in Dictyostelium. Varnum B, et al. **J Cell Biol** 1984 Sep;99(3):1151–5

Chemoattraction and chemotaxis in Dictyostelium discoideum: myxamoeba cannot read spatial gradients of cyclic adenosine monophosphate. Vicker MG, et al. **J Cell Biol** 1984 Jun;98(6):2204–14

Effects of cyclic AMP on fluid absorption and ion transport across frog retinal pigment epithelium. Measurements in the open–circuit state. Hughes BA, et al. **J Gen Physiol** 1984 Jun;83(6):875–99

Agents that activate cyclic AMP–dependent protein kinase inhibit explant culture growth and mitotic activity. Halprin KM, et al. **J Invest Dermatol** 1983 Dec;81(6):553–7

Effects of c–AMP, caffeine, theophylline, and vinblastine on spontaneous transmitter release at locust nerve–muscle junctions. Fahim MA, et al. **J Neurobiol** 1983 Sep; 14(5):391–7

Retinal hexokinase: kinetic properties and the effect of cyclic 3',5'–adenosine monophosphate. Liu SS, et al. **J Neurochem** 1983 Dec;41(6):1694–701

Characterization of brain synaptic vesicle phospholipase A2 activity and its modulation by calmodulin, prostaglandin E2, prostaglandin F2 alpha, cyclic AMP, and ATP. Moskowitz N, et al. **J Neurochem** 1983 Dec;41(6):1576–86

Tyrosine hydroxylase in 'leaky' adrenal medullary cells: evidence for in situ phosphorylation by separate Ca2+ and cyclic AMP–dependent systems. Niggli V, et al. **J Neurochem** 1984 Sep;43(3):646–58

Characterization of cyclic AMP–dependent phosphorylation of neuronal membrane proteins. Rauch N, et al. **J Neurochem** 1984 Sep;43(3):755–62

Stage–specific inhibitory effect of cyclic AMP on asexual maturation and gametocyte formation of Plasmodium falciparum. Inselburg J. **J Parasitol** 1983 Jun;69(3):592–7

Effects of vasoactive intestinal polypeptide (VIP) and cyclic AMP on isolated dilator pupillae muscle of albino rabbit eye. Hayashi K, et al. **Jpn J Ophthalmol** 1983;27(4):647–54

Determination of the cAMP–dependent protein kinase activity ratio in intact tissues. Corbin JD. **Methods Enzymol** 1983;99:227–32

Reversible autophosphorylation of type II cAMP–dependent protein kinase: distinction between intramolecular and intermolecular reactions. Erlichman J, et al. **Methods Enzymol** 1983;99:176–86

cGMP–dependent protein kinase. Lincoln TM. **Methods Enzymol** 1983;99:62–71

Substrate–directed regulation of cAMP–dependent phosphorylation. El–Maghrabi MR, et al. **Methods Enzymol** 1983;99:212–9

Use of NMR and EPR to study cAMP–dependent protein kinase. Mildvan AS, et al. **Methods Enzymol** 1983;99:93–119

Radiolabeling and detection methods for studying metabolism of regulatory subunit of cAMP–dependent protein kinase I in intact cultured cells. Steinberg RA. **Methods Enzymol** 1983;99:233–43

Affinity labeling of cAMP–dependent protein kinases. Taylor SS, et al. **Methods Enzymol** 1983;99:140–53

Insect (cAMP–cGMP)–dependent protein kinase. Vardanis A. **Methods Enzymol** 1983;99:71–6

Protein modulation of cyclic nucleotide–dependent protein kinases. Walton GM, et al. **Methods Enzymol** 1983; 99:206–12

Use of 1,N6–etheno–cAMP as a fluorescent probe to study cAMP–dependent protein kinase. White HD, et al. **Methods Enzymol** 1983;99:162–7

Effect of parathyroid hormone, cyclic AMP and Ca2+ on the phosphorylation of brush border membranes in rabbit kidney. Takenawa T, et al. **Miner Electrolyte Metab** 1984; 10(2):103–12

Differential phosphorylation of MAP–2 stimulated by calcium–calmodulin and cyclic AMP. Schulman H. **Mol Cell Biol** 1984 Jun;4(6):1175–8

Gonadal steroid modulation of LH secretion stimulated by LHRH, Ca2+ and cAMP. Kamel F, et al. **Mol Cell Endocrinol** 1983 Oct;32(2–3):285–300

Factors controlling proliferation and differentiation of canine thyroid cells cultured in reduced serum conditions: effects of thyrotropin, cyclic AMP and growth factors. Roger PP, et al. **Mol Cell Endocrinol** 1984 Jun;36(1–2):79–93

Mechanism of the inhibitory effect of EGF on cAMP–stimulated amino acid transport. Visciano G, et al. **Mol Cell Endocrinol** 1984 Aug;37(1):103–7

Effects of caffeine, cyclic 3', 5' adenosine monophosphate and cyclic 3', 5' guanosine monophosphate in the development of the mycelial form of Sporothrix schenckii. Rodríguez–Del Valle N, et al. **Mycopathologia** 1984 Apr 30;86(1):29–33

Cyclic nucleotides control a system which regulates Ca2+ sensitivity of platelet secretion. Knight DE, et al. **Nature** 1984 May 3–9;309(5963):66–8

Beta–adrenergic increase in the calcium conductance of cardiac myocytes studied with the patch clamp. Brum G, et al. **Pflugers Arch** 1984 Jun;401(2):111–8

Injection of catalytic subunit of cAMP–dependent protein kinase into isolated cardiac myocytes. Brum G, et al. **Pflugers Arch** 1983 Jul;398(2):147–54

Modulation of low calcium induced field bursts in the hippocampus by monoamines and cholinomimetics. Haas HL, et al. **Pflugers Arch** 1984 Jan;400(1):28–33

Dependence of cyclic–AMP induced relaxation on Ca2+ and calmodulin in skinned smooth muscle of guinea pig Taenia coli. Meisheri KD, et al. **Pflugers Arch** 1983 Dec; 399(4):315–20

cGMP and cAMP inhibit tension development in skinned coronary arteries. Pfitzer G, et al. **Pflugers Arch** 1984 Jul; 401(3):277–80

Effect of ethanol, noradrenaline and 3',5'–cyclic AMP on oxidation of fatty acids and lipolysis in isolated rat hepatocytes. Grunnet N, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:245–50

Cytoskeletal involvement in cAMP–induced sensitization of chromatin to nuclease digestion in transformed Chinese hamster ovary K1 cells. Ashall F, et al. **Proc Natl Acad Sci USA** 1984 Aug;81(16):5145–9

In vivo, cAMP stimulates growth and morphogenesis of mouse mammary ducts. Silberstein GB, et al. **Proc Natl Acad Sci USA** 1984 Aug;81(15):4950–4

Cyclic AMP as a possible mediator of dopamine stimulation of cockroach gland cells. Gray DC, et al. **Q J Exp Physiol** 1984 Jan;69(1):171–86

Effect of cyclic AMP and cyclic GMP on thromboplastin (factor III) synthesis in human monocytes in vitro. Lyberg T. **Thromb Haemost** 1983 Dec 30;50(4):804–9

Interaction of calcium ions and cAMP on the cytotoxic effect of doxorubicin. Di Marco A, et al. **Tumori** 1984 Jun 30; 70(3):217–21

[Effect of cyclic AMP on the metabolism of low density lipoproteins and cholesterol in fibroblasts of normal subjects and subjects with homozygous type familial IIa hypercholesterolemia] Polonovski J, et al. **Bull Acad Natl Med (Paris)** 1983 Sep–Oct;167(7):737–44 (Eng. Abstr.) **(Fre)**

[Change in some properties of soluble cAMP–dependent protein kinase from rat myocardium during physical exercise] Kalinskiĭ MI, et al. **Biokhimiia** 1983 Aug; 48(8):1324–8 (Eng. Abstr.) **(Rus)**

[Effect of prostaglandin E2, cAMP and histamine on glycoprotein synthesis in isolated cells of the rat gastric mucosa] Tairov MM, et al. **Biokhimiia** 1984 Jan;49(1):25–31 (Eng. Abstr.) **(Rus)**

[Effect of cyclic nucleotides on the sensitivity of early sea urchin embryos to cytotoxic neuropharmacological preparations] Shmukler IuB, et al. **Biull Eksp Biol Med** 1984 Mar;97(3):354–5 (Eng. Abstr.) **(Rus)**

[Effect of cyclic nucleotides on the morphogenetic and ultrastructural characteristics of the primitive knot in the chick embryo in organotypic cultures] Neuman TE, et al. **Ontogenez** 1984 Jan–Feb;15(1):88–91 (Eng. Abstr.) **(Rus)**

[Effect of pentagastrin, histamine, cyclic–3',5'–AMP and prostaglandin E2 on the secretion of mucus in the rat stomach] Argutinskaia SV, et al. **Vopr Med Khim** 1983 Sep–Oct;29(5):5–10 (Eng. Abstr.) **(Rus)**

[Hormonal action and second messengers in lactogenesis] Sapag–Hagar M, et al. **Rev Med Chil** 1984 Feb;112(2):171–7 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Mathematical modelling of stimulus–secretion coupling in the pancreatic B–cell. I. Dynamics of insulin release. Scholler Y, et al. **Acta Diabetol Lat** 1983 Oct–Dec;20(4):329–40

Intestinal adaptation to cyclic AMP–mediated hypersecretion induced by the heat–labile enterotoxin of Vibrio cholerae and Escherichia coli. Lönnroth I, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1984 Feb; 92(1):53–60

Cellular control through interactions between cyclic nucleotides and calcium. Berridge MJ. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1984; 17:329–35 (25 ref.)

Control of growth and differentiation by known intracellular signal molecules in endocrine tissues: the example of the thyroid gland. Dumont JE, et al. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1984; 17:337–42

Role of cyclic AMP in the regulation of prostacyclin synthesis by cultured vascular smooth muscle cells. Larrue J, et al. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1984; 17:585–92

Interaction of cAMP and calcium–calmodulin in the action of vasopressin. Schlondorff D, et al. **Adv Nephrol** 1984; 13:319–39 (46 ref.)

The morphology and hormonal responsiveness of developing skeletal elements in chick limb buds. Ballard TA, et al. **Am J Anat** 1984 Feb;169(2):221–36

Influence of calcium and cyclic nucleotides on beta–adrenergic sweat secretion in equine sweat glands. Bijman J, et al. **Am J Physiol** 1984 Jul;247(1 Pt 1):C10–3

cAMP–dependent reduction in membrane fluxes during relaxation of arterial smooth muscle. Jones AW, et al. **Am J Physiol** 1984 Feb;246(2 Pt 2):H306–11

Evidence that levels of malate dehydrogenase and fumarase are increased by cAMP in rat myotubes. Lawrence JC Jr, et al. **Am J Physiol** 1984 Jul;247(1 Pt 1):C33–8

cAMP–mediated regulation of chloride secretion by the opercular epithelium. May SA, et al. **Am J Physiol** 1984 May;246(5 Pt 2):R741–6

Differing effects of cGMP and cAMP on ion transport across flounder intestine. Rao MC, et al. **Am J Physiol** 1984 Jan; 246(1 Pt 1):C167–71

Effect of parathyroid hormone on Na+–dependent phosphate transport and cAMP–dependent 32P phosphorylation in brush border vesicles from isolated

perfused canine kidneys. Hammerman MR, et al. **Arch Biochem Biophys** 1983 Nov;227(1):91–7

Skinned coronary smooth muscle: calmodulin, calcium antagonists, and cAMP influence contractility. Rüegg JC, et al. **Basic Res Cardiol** 1983 Jul–Aug;78(4):462–71

Cyclic AMP and calcium as potential mediators of stimulation of cultured Schwann cell proliferation by axolemma–enriched and myelin–enriched membrane fractions. Meador–Woodruff JH, et al. **Biochem Biophys Res Commun** 1984 Jul 18;122(1):373–80

Cytoplasmic Ca2+ in platelets is controlled by cyclic AMP: antagonism between stimulators and inhibitors of adenylate cyclase. Zavoico GB, et al. **Biochem Biophys Res Commun** 1984 Apr 30;120(2):579–85

Effect of some monoamine oxidase inhibitors and cyclic–AMP on plasma fibrinogen level of rats. Sarkar J, et al. **Biochem Pharmacol** 1984 Feb 15;33(4):539–42

Modulation by thyroid status of cyclic AMP–dependent and Ca2+–dependent mechanisms of hormone action in rat liver cells. Possible involvement of two different transduction mechanisms in alpha 1–adrenergic action. Corvera S, et al. **Biochim Biophys Acta** 1984 Feb 17; 803(1–2):95–105

Chemical signals that regulate mammalian oocyte maturation. Eppig JJ, et al. **Biol Reprod** 1984 Feb;30(1):1–11

Adrenergic transmitter release. Göthert M. **Blood Vessels** 1984;21(3):117–25

An unlikely role for cyclic AMP in the mediation of the excitatory and inhibitory effects of noradrenaline on transmission in the olfactory cortex. Collins GG, et al. **Brain Res** 1984 May 14;299(2):344–7

Cyclic AMP–mediated potentiation of muscarinic hyperpolarization in neuroblastoma cells. Tsunoo A, et al. **Brain Res** 1984 Feb 27;294(1):123–6

Maturation of neurotransmission at cholinergic synapses formed in culture by rat retinal neurons: regulation by cyclic AMP. Yeh HH, et al. **Brain Res** 1983 Oct; 312(1):63–72

Comparison of the effects of forskolin and isoproterenol on cyclic AMP levels and tension in bovine coronary artery. Vegesna RV, et al. **Can J Physiol Pharmacol** 1983 Oct; 61(10):1202–5

Ca2+ dependence of positive inotropic responses of guinea pig isolated cardiac preparations to cAMP–generating and cAMP–independent agonists. Yao LF, et al. **Can J Physiol Pharmacol** 1984 Jan;62(1):105–8

Involvement of cAMP, calcium and calmoduline in membrane dynamics of ovulation–hormone releasing neurones in Lymnaea stagnalis. Buma P, et al. **Cell Biol Int Rep** 1984 Apr;8(4):277–8

The role of cAMP and Ca on the modulation of junctional conductance: an integrated hypothesis. De Mello WC. **Cell Biol Int Rep** 1983 Dec;7(12):1033–40

Cyclic AMP enhances calcium–dependent potassium current in Aplysia neurons. Ewald D, et al. **Cell Mol Neurobiol** 1983 Dec;3(4):345–53

Pharmacological control of ciliary activity in the young sea urchin larva: chemical studies on the role of cyclic nucleotides. Soliman S. **Comp Biochem Physiol [C]** 1984; 78(1):175–81

Pharmacological control of ciliary activity in the young sea urchin larva. Studies on the role of Ca2+ and cyclic nucleotides. Soliman S. **Comp Biochem Physiol [C]** 1984; 78(1):183–91

Inhibition of oocyte maturation in the mouse: participation of cAMP, steroid hormones, and a putative maturation–inhibitory factor. Eppig JJ, et al. **Dev Biol** 1983 Nov;100(1):39–49

Calmodulin and cyclic AMP. Possible different sites of action of these two regulatory agents in exocytotic hormone release. Steinberg JP, et al. **Diabetes** 1984 Apr;33(4):339–45

Forskolin–induced differentiation of cultured rat granulosa cells: new evidence for an intermediary role of adenosine 3',5'–monophosphate in the mechanism of action of follicle–stimulating hormone. Adashi EY, et al. **Endocrinology** 1984 Jul;115(1):183–90

Cyclic adenosine monophosphate and ovarian follicular fluid act synergistically to inhibit mouse oocyte maturation. Downs SM, et al. **Endocrinology** 1984 Feb;114(2):418–27

The ionic, electrical, and secretory effects of endogenous cyclic adenosine monophosphate in mouse pancreatic B cells: studies with forskolin. Henquin JC, et al. **Endocrinology** 1984 Sep;115(3):1125–34

Catabolite repression in yeasts is not associated with low levels of cAMP. Eraso P, et al. **Eur J Biochem** 1984 May 15;141(1):195–8

Studies on the mechanism of action of the histone kinase dependent on adenosine 3',5'–monophosphate. Fast kinetics of histone H1 phosphorylation. Gabibov AG, et al. **Eur J Biochem** 1983 Oct 3;135(3):491–5

Regional cyclic AMP systems during secondary ischemia in gerbils: influence of anesthetic agents. Christie–Pope BC, et al. **Exp Neurol** 1984 Jun;84(3):494–511

The effect of glucagon–induced adenosine 3' ,5' –monophosphate concentrations on bile acid synthesis in isolated rat liver cells. Botham KM, et al. **FEBS Lett** 1984 Mar 26;168(2):317–20

Stimulation of cyclic AMP in chondrocyte cultures: effects on sulfated–proteoglycan synthesis. Malemud CJ, et al. **FEBS Lett** 1984 Feb 27;167(2):343–51

Cyclic AMP and anaerobic gene expression in E. coli. Unden G, et al. **FEBS Lett** 1984 May 21;170(2):321–5

Receptor modulation of calcium and cyclic AMP: differences in coupling to specific hormone–receptor complexes in cells responsive to several hormones. Gardner JD, et al. **Horiz Biochem Biophys** 1982;6:277–308 (69 ref.)

Interactions between the cAMP and calcium messenger systems. Rasmussen H. **Horiz Biochem Biophys** 1982; 6:175–97 (34 ref.)

Interactions between insulin and the cyclic AMP system of Cloudman S91 mouse melanoma cells. Pawelek J, et al. **J Cell Biochem** 1983;21(4):289–97

Regulation of murine oocyte meiosis: evidence for a gonadotropin–induced, cAMP–dependent reduction in a maturation inhibitor. Freter RR, et al. **J Cell Biol** 1984 Mar;98(3):1119–28

Hormone–induced intercellular signal transfer dissociates cyclic AMP–dependent protein kinase. Murray SA, et al. **J Cell Biol** 1984 May;98(5):1710–9

Cyclic AMP does not mediate inhibition of DNA synthesis by interferon in mouse Swiss 3T3 cells. Ebsworth NM, et al. **J Cell Physiol** 1984 Aug;120(2):146–50

Control of cell mobility by cyclic AMP. Katzin WE, et al. **J Cell Sci** 1984 Jan;65:177–92

Evidence that the functional responses of human neutrophils occur independently of transient elevations in cyclic AMP levels. Simchowitz L, et al. **J Cyclic Nucleotide Protein Phosphor Res** 1983;9(1):35–47

Cyclic AMP modulation of ion transport across frog retinal pigment epithelium. Measurements in the short–circuit state. Miller S, et al. **J Gen Physiol** 1984 Jun;83(6):853–74

The role of cyclic AMP in modulating cytotoxic T lymphocytes. II. Sequential changes during culture in responsiveness of cytotoxic lymphocytes to cyclic AMP–active agents. Plaut M, et al. **J Immunol** 1983 Dec; 131(6):2945–52

DARPP–32, a dopamine– and adenosine 3':5'–monophosphate–regulated phosphoprotein enriched in dopamine–innervated brain regions. II. Purification and characterization of the phosphoprotein from bovine caudate nucleus. Hemmings HC Jr, et al. **J Neurosci** 1984 Jan;4(1):99–110

DARPP–32, a dopamine– and adenosine 3':5'–monophosphate–regulated phosphoprotein enriched in dopamine–innervated brain regions. III. Immunocytochemical localization. Ouimet CC, et al. **J Neurosci** 1984 Jan;4(1):111–24

DARPP–32, a dopamine– and adenosine 3':5'–monophosphate–regulated phosphoprotein enriched in dopamine–innervated brain regions. I. Regional and cellular distribution in the rat brain. Walaas SI, et al. **J Neurosci** 1984 Jan;4(1):84–98

Regulation of serotonin release from rabbit intestinal enterochromaffin cells. Forsberg EJ, et al. **J Pharmacol Exp Ther** 1983 Dec;227(3):755–66

Characteristics of an adenylate cyclase coupled beta 2–adrenergic receptor in a smooth muscle tumor cell line. Norris JS, et al. **J Recept Res** 1983;3(5):623–45

The effect in vivo of alterations in gonadotropins and cyclic nucleotides on oocyte maturation in the hamster. Hubbard CJ. **Life Sci** 1983 Oct 24;33(17):1695–702

Regulation of acetohydroxy acid synthase activities in adenyl cyclase–deficient strains of Escherichia coli K–12. Williams AL. **MGG** 1983;191(3):353–7

Cyclic AMP–dependent regulation of activities of synthetase and phosphodiesterase of 2',5'–oligoadenylate in NIH 3T3 cells. Itkes AV, et al. **Mol Cell Biochem** 1984; 58(1–2):165–71

Is there a general paradigm of cyclic AMP action in eukaryotes? Pall ML. **Mol Cell Biochem** 1984; 58(1–2):187–91

Mediation of insulin release by cGMP and cAMP in a starved animal model. Laychock SG. **Mol Cell Endocrinol** 1983 Oct;32(2–3):157–70

Forskolin and phosphodiesterase inhibitors stimulate rat granulosa cell differentiation. Welsh TH Jr, et al. **Mol Cell Endocrinol** 1984 Aug;37(1):51–60

Patch– and voltage–clamp analysis of cyclic AMP–stimulated inward current underlying neurone bursting. Green DJ, et al. **Nature** 1983 Dec 22–1984 Jan 4;306(5945):784–5

Modulation of the response of a photosensitive muscle by beta–adrenergic regulation of cyclic AMP levels. Rubin LJ, et al. **Nature** 1984 Feb 9–15;307(5951):551–3

3H–noradrenaline release from rat neocortical slices in the absence of extracellular Ca2+ and its presynaptic alpha 2–adrenergic modulation. A study on the possible role of cyclic AMP. Schoffelmeer AN, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1983 Jul; 323(3):188–92

Cyclic adenosine monophosphate regulates vasoactive intestinal polypeptide and enkephalin biosynthesis in cultured bovine chromaffin cells. Eiden LE, et al. **Neuropeptides** 1983 Dec;4(1):1–9

Somatocrinin receptor coupled with cAMP–dependent protein kinase on anterior pituitary granules. Lewin MJ, et al. **Proc Natl Acad Sci USA** 1983 Nov;80(21):6538–41

Increased phosphorylation of myosin light chain kinase after an increase in cyclic AMP in intact smooth muscle. de Lanerolle P, et al. **Science** 1984 Mar 30;223(4643):1415–7

Modulation of synapse formation by cyclic adenosine monophosphate. Nirenberg M, et al. **Science** 1983 Nov 18; 222(4625):794–9 (56 ref.)

Message transmission: receptor controlled adenylate cyclase system. Schramm M, et al. **Science** 1984 Sep 21; 225(4668):1350–6 (77 ref.)

[Regulation of cellular function by cAMP in yeast] Uno I, et al. **Seikagaku** 1984 May;56(5):311–30 (77 ref.) **(Jpn)**

[Relation between metabolism and the function of ion channels in the nerve cell membrane] Kostiuk PG. **Neirofiziologiia** 1984;16(3):286–96 (Eng. Abstr.) **(Rus)**

[Effect of cAMP–dependent phosphorylation on the activity of Mg2+,Ca2+–ATP–ase and Ca2+ transport in the sarcoplasmic reticulum of the white skeletal muscles of the rabbit] Fedorov AN, et al. **Ukr Biokhim Zh** 1984 Mar–Apr; 56(2):141–6 (Eng. Abstr.) **(Rus)**

[Immunochemical method of determining the biosynthesis of hypophyseal hormones. Effect of liberins and cyclic AMP on the biosynthesis of luteinizing hormone, prolactin and growth hormone in the rat pituitary] Krivosheev OG, et al. **Vopr Med Khim** 1983 Nov–Dec;29(6):45–50 (Eng. Abstr.) **(Rus)**

SECRETION

Effects of in vivo triiodothyronine and long acting thyroid stimulator (LATS) administration on the vitro thyroid cAMP response to thyrotrophin and LATS. Ikeda H, et al. **Acta Endocrinol (Copenh)** 1984 Jun;106(2):193–8

Release of cyclic AMP and progesterone from the isolated perfused luteal ovary of the PMSG treated rat. Sogn J, et al. **Acta Endocrinol (Copenh)** 1984 Jun;106(2):265–70

Effects of forskolin and cholera toxin on cyclic AMP release in a neurotensin–secreting rat C–cell line. Zeytin F, et al. **Biochem Biophys Res Commun** 1984 Apr 30;120(2):540–7

URINE

Urinary cAMP excretion in gouty patients with and without nephrolithiasis. Carcassi A, et al. **Adv Exp Med Biol** 1984; 165 Pt A:145–9

Renal 1,25–dihydroxyvitamin D, phosphaturic, and cyclic–AMP responses to intravenous synthetic human parathyroid hormone–(1–34) administration in normal subjects. Slovik DM, et al. **Clin Endocrinol (Oxf)** 1984 Apr; 20(4):369–75

Urinary adenosine cyclic 3',5'–monophosphate in idiopathic calcium stone–formers: response to an oral calcium load. Walker VR, et al. **Clin Sci** 1984 Feb;66(2):193–9

Nephrogenous cyclic AMP and plasma parathyroid hormone in hypercalcaemia: the influence of renal function. Bill G, et al. **Eur J Clin Invest** 1984 Jun;14(3):227–32

Urinary adenosine 3',5'–monophosphate excretion in normal children and children with type I diabetes mellitus. Witt MF, et al. **Horm Metab Res** 1984 Jan;16(1):50–1

Assessment of adenosine 3',5'–monophosphate excretion and an oral calcium tolerance test in the diagnosis of mild primary hyperparathyroidism. Madvig P, et al. **J Clin Endocrinol Metab** 1984 Mar;58(3):480–7

Familial cases of congenital nephrogenic diabetes insipidus type II: Remarkable increment of urinary adenosine 3',5'–monophosphate in response to antidiuretic hormone. Ohzeki T, et al. **J Pediatr** 1984 Apr;104(4):593–5

Potential pitfalls of the 2–hour calcium–to–creatinine ratio and urinary cyclic adenosine monophosphate excretion in the differential diagnosis of idiopathic hypercalciuria. Heller JE, et al. **J Urol** 1984 May;131(5):911–3

A spot sample test for the estimation of urinary or nephrogenous cAMP in the evaluation of parathyroid function. Kraiem Z, et al. **Nephron** 1983;35(4):264–6

Serum ionized calcium, nephrogenous and total urinary cyclic AMP and urinary phosphate in normal subjects. Thode J, et al. **Scand J Clin Lab Invest** 1984 Apr; 44(2):111–8

Urinary cyclic AMP in vitamin D deficiency rickets. Yordam N, et al. **Turk J Pediatr** 1983 Apr–Jun;25(2):83–90

[Urinary cyclic AMP, prostaglandin E and serum parathormone studies in nephrotic syndrome and renal calculosis in childhood] Túri S, et al. **Orv Hetil** 1984 Feb 12;125(7):387–91 (Eng. Abstr.) **(Hun)**

[Humoral mechanisms in neoplastic hypercalcemia] Gennari C, et al. **Minerva Med** 1984 Feb 18;75(6):235–9 **(Ita)**

[Cyclic adenosine monophosphate (3'5' cAMP) in the alcohol withdrawal syndrome. Clinico–pathogenetic perspectives] Nardoni A, et al. **Minerva Med** 1984 Feb 11;75(5):191–5 (Eng. Abstr.) **(Ita)**

[Diurnal urinary excretion of adenosine cyclic–3',5'–monophosphate as an indirect parameter in evaluating parathyroid function] Bogoniowska Z, et al. **Pediatr Pol** 1983 Apr;58(4):313–9 (Eng. Abstr.) **(Pol)**

[Cyclic nucleotides in bronchial asthma] Alekseev VG, et al. **Klin Med (Mosk)** 1983 Dec;61(12):63–6 (Eng. Abstr.) **(Rus)**

[PTH, cyclic AMP and hydroxyproline. Diagnostic importance in hypercalciuria and primary hyperparathyroidism] Barceló P, et al. **Acta Med Port** 1983 Sep–Oct;4(9–10):399–402 (Eng. Abstr.) **(Spa)**

[Adenyl cyclase system in asthmatic patients (III): urinary excretion of cAMP after glucagon administration] Díez Jarilla JL, et al. **Med Clin (Barc)** 1984 Feb 4;82(4):152–4 (Eng. Abstr.) **(Spa)**

[The adenylcyclase system in asthmatic patients (I). Urinary excretion of cAMP after the administration of an adrenergic beta–2 agonist] Díez Jarilla JL, et al. **Med Clin (Barc)** 1983 Oct 15;81(11):468–71 (Eng. Abstr.) **(Spa)**

[The adenyl cyclase system in asthmatic patients (II). Urinary excretion of cyclic AMP following the simultaneous

administration of a corticoid and a beta-2 adrenergic agonist] Díez Jarilla JL, et al. **Med Clin (Barc)** 1983 Oct 22;81(12):509–11 (Eng. Abstr.) **(Spa)**

[Urinary cyclic AMP response to the administration of glucagon in diffuse hepatopathies and the effect of cholestasis on the same] Díez Jarilla JL, et al. **Med Clin (Barc)** 1983 Oct 29;81(13):564–6 (Eng. Abstr.) **(Spa)**

[Urinary excretion of cyclic AMP after glucagon administration in patients with chronic bronchitis] Díez Jarilla JL, et al. **Rev Clin Esp** 1984 Jan 15;172(1):13–5 (Eng. Abstr.) **(Spa)**

[Beta 2 adrenergic response in patients with chronic bronchitis] Díez Jarilla JL, et al. **Rev Clin Esp** 1983 Dec 31;171(6):421–4 (Eng. Abstr.) **(Spa)**

ADENOSINE CYCLIC-2',3'-MONOPHOSPHATE see **ADENOSINE CYCLIC MONOPHOSPHATE**

ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE see **ADENOSINE CYCLIC MONOPHOSPHATE**

ADENOSINE DEAMINASE see under **NUCLEOSIDE DEAMINASES**

ADENOSINE DIPHOSPHATE

The importance of changes in ATP and ADP concentrations in the development of the phasic superprecipitation of actomyosin. Csabina S, et al. **Acta Biochim Biophys Acad Sci Hung** 1983;18(3–4):231–6

On the metal-ion coordinating properties of the 5'-monophosphates of 1, N6-ethenoadenosine (epsilon-AMP), adenosine and uridine. Comparison of the macrochelate formation in the complexes of epsilon-AMP, AMP, ADP and ATP. Sigel H, et al. **Eur J Biochem** 1984 Jan 16;138(2):297–9

Calcium-ion catalysed nonenzymatic ATP synthesis from ADP and carbamylphosphate. Saygin O, et al. **Orig Life** 1984;14(1–4):139–44

ADMINISTRATION & DOSAGE

[Simple treatment of tumor-induced hypercalcemia: i.v. aminohydroxypropylidene biphosphonate] Portmann L, et al. **Schweiz Med Wochenschr** 1983 Dec 24;113(51):1960–3 (Eng. Abstr.) **(Fre)**

ANALOGS & DERIVATIVES

Angles of fluorescently labelled myosin heads and actin monomers in contracting and rigor stained muscle fiber. Yanagida T. **Adv Exp Med Biol** 1984;170:397–411

Interaction of nitrogenase with nucleotide analogs of ATP and ADP and the effect of metal ions on ADP inhibition. Weston MF, et al. **Arch Biochem Biophys** 1983 Sep; 225(2):809–17

6-[(4-bromo-2,3-dioxobutyl)thio]-6-deaminoadenosine 5'-monophosphate and 5'-diphosphate: new affinity labels for purine nucleotide sites in proteins. Colman RF, et al. **Biochemistry** 1984 Jul 3;23(14):3281–6

Investigation of substrate specificity of creatine kinase using chromium (III) and cobalt(III) complexes of adenosine 5'-diphosphate. Pecoraro VL, et al. **Biochemistry** 1984 Jan 3;23(1):153–8

Tautomerism of 2-azidoadenine nucleotides. Effects on enzyme kinetics and photoaffinity labeling. Czarnecki JJ. **Biochim Biophys Acta** 1984 Jul 16;800(1):41–51

Effects of phosphorothioate analogues of ATP, ADP and AMP on guinea-pig taenia coli and urinary bladder. Burnstock G, et al. **Br J Pharmacol** 1984 Jun;82(2):369–74

Differential inhibition by adenosine or by prostaglandin E1 of human platelet aggregation induced by adenosine 5'-O-(1-thiodiphosphate) and adenosine 5'-O-(2-thiodiphosphate). Cusack NJ, et al. **Br J Pharmacol** 1982 Feb;75(2):257–9

Affinity labeling of succinyl-CoA synthetase from Escherichia coli by the 2',3'-dialdehyde derivative of adenosine 5'-diphosphate. Nishimura JS, et al. **Eur J Biochem** 1983 Oct 17;136(1):83–7

Inactivation of beef heart mitochondrial F1-ATPase by the 2',3'-dialdehyde derivatives of adenine nucleotides. de Melo DF, et al. **FEBS Lett** 1984 Apr 9;169(1):101–6

Studies of the interactions of 2',3'-O-(2,4,6-trinitrocyclohexyldienylidine)adenosine nucleotides with the sarcoplasmic reticulum (Ca^{2+} + Mg^{2+})-ATPase active site. Nakamoto RK, et al. **J Biol Chem** 1984 Mar 10;259(5):2961–70

Introduction of a donor-acceptor pair by a single protein modification. Förster energy transfer distance measurements from trapped 1,N6-ethenoadenosine diphosphate to chromophoric cross-linking reagents on the critical thiols of myosin subfragment. Perkins WJ, et al. **J Biol Chem** 1984 Jul 25;259(14):8786–93

Polymerization of ADP-actin. Pollard TD. **J Cell Biol** 1984 Sep;99(3):769–77

ANALYSIS

The characterization of vanadate-trapped nucleotide complexes with spin-labelled myosins. Wells C, et al. **J Muscle Res Cell Motil** 1984 Feb;5(1):97–112

[Correlation between the oxidative activity and metabolic state of mitochondria during a 24-hour period] Kaminskiĭ IuG, et al. **Ukr Biokhim Zh** 1984 Jan-Feb;56(1):34–8 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Specific but noncompetitive inhibition by 2-alkylthio analogues of adenosine 5'-monophosphate and adenosine 5'-triphosphate of human platelet aggregation induced by adenosine 5'-diphosphate. Cusack NJ, et al. **Br J Pharmacol** 1982 Feb;75(2):397–400

The effects of an ASA-like hydroperoxide compound on adenosine diphosphate induced platelet aggregation. Killackey JJ, et al. **Can J Physiol Pharmacol** 1984 Mar; 62(3):338–40

Inhibition of ADP-induced platelet aggregation by reduced factor Xa. Sinha AK, et al. **Eur J Biochem** 1983 Oct 17; 136(1):57–62

Observations on the effects of cytochalasin B and cytochalasin D on ADP- and chymotrypsin-treated platelets. Peerschke EI. **Proc Soc Exp Biol Med** 1984 Jan; 175(1):109–15

BLOOD

Diadenosine triphosphate (Ap3A) mediates human platelet aggregation by liberation of ADP. Lüthje J, et al. **Biochem Biophys Res Commun** 1984 Feb 14;118(3):704–9

Activation of human platelet phospholipase C by ionophore A23187 is totally dependent upon cyclo-oxygenase products and ADP. Rittenhouse SE. **Biochem J** 1984 Aug 15;222(1):103–10

31P NMR studies of nucleotide storage in the dense granules of pig platelets. Uğurbil K, et al. **Biochemistry** 1984 Jan 31;23(3):409–16

Importance of platelet-free preparations for evaluating lymphocyte nucleotide levels in inherited or acquired immunodeficiency syndromes. Goday A, et al. **Clin Sci** 1983 Dec;65(6):635–43

Biological aspects of amazonian fishes I. Red blood cell phosphates of schooling fishes (genus Semaprochilodus: Prochilodontidae). Val AL, et al. **Comp Biochem Physiol [B]** 1984;78(1):215–7

Inhibition of platelet ADP and serotonin release by carbon monoxide and in cigarette smokers. Mansouri A, et al. **Experientia** 1984 May 15;40(5):515–7

Properties of ATPases and energy-rich phosphates in erythrocytes of young and old individuals. Vömel T. **Gerontology** 1984;30(1):22–5

Correlation between prolonged bleeding time and depletion of platelet dense granule ADP in patients with myelodysplastic and myeloproliferative disorders. Malpass TW, et al. **J Lab Clin Med** 1984 Jun;103(6):894–904

Methodological aspects on the firefly luciferase assay of adenine nucleotides in whole blood and red blood cells. Olsson T, et al. **Scand J Clin Lab Invest** 1983 Dec; 43(8):657–64

METABOLISM

Somatostatin effect on the level of adenyl nucleotides in the blood and tissues of rats during short-lasting hypothermia. Krauss H, et al. **Acta Physiol Pol** 1983 Jul-Aug; 34(4):437–44

Effect of long-chain fatty acyl-CoA on mitochondrial and cytosolic ATP/ADP ratios in the intact liver cell. Soboll S, et al. **Biochem J** 1984 Jun 1;220(2):371–6

Fluorescence of fluorescein attached to myosin SH1 distinguishes the rigor state from the actin-myosin-nucleotide state. Ando T. **Biochemistry** 1984 Jan 17;23(2):375–81

Estrogen-induced changes in high-energy phosphate metabolism in rat uterus: 31P NMR studies. Degani H, et al. **Biochemistry** 1984 Jun 5;23(12):2572–7

Resonance energy transfer between the adenosine 5'-diphosphate site of glutamate dehydrogenase and a guanosine 5'-triphosphate site containing a tyrosine labeled with 5'-[p-(fluorosulfonyl)benzoyl]-1,N6-ethenoadenosine. Jacobson MA, et al. **Biochemistry** 1983 Aug 30; 22(18):4247–57

Investigation of substrate specificity of creatine kinase using chromium (III) and cobalt(III) complexes of adenosine 5'-diphosphate. Pecoraro VL, et al. **Biochemistry** 1984 Jan 3;23(1):153–8

Compartmentation of high-energy phosphates in resting and working rat skeletal muscle. Hebisch S, et al. **Biochim Biophys Acta** 1984 Feb 27;764(2):117–24

Characteristics of adenine nucleotide fluxes and transport in human tumor mitochondria. Knowles AF. **Biochim Biophys Acta** 1984 Feb 27;764(2):203–12

Generation of hydroxyl radicals during the enzymatic reductions of the Fe3+-ADP-phosphate-adriamycin and Fe3+-ADP-EDTA systems. Less involvement of hydroxyl radical and a great importance of proposed perferryl ion complexes in lipid peroxidation. Sugioka K, et al. **Biochim Biophys Acta** 1983 Oct 11;753(3):411–21

Influence of precursors of biosyntheses on the energy metabolism of the liver cell. Letko G, et al. **Biomed Biochim Acta** 1983;42(4):323–33

Undirectional calcium and nucleotide fluxes in cardiac sarcoplasmic reticulum. II. Experimental results. Feher JJ, et al. **Biophys J** 1984 Jun;45(6):1135–44

Unidirectional calcium and nucleotide fluxes in sarcoplasmic reticulum. I. Interpretation of flux ratios for different reaction schemes. Feher JJ. **Biophys J** 1984 Jun; 45(6):1125–33

Distantly related sequences in the alpha- and beta-subunits of ATP synthase, myosin, kinases and other ATP-requiring enzymes and a common nucleotide binding fold. Walker JE, et al. **EMBO J** 1982;1(8):945–51

Activation of ATPase of spinach coupling factor 1. Release of tightly bound ADP from the soluble enzyme. Sherman PA, et al. **Eur J Biochem** 1984 Mar 1;139(2):367–71

Factors determining the relative contribution of the adenine-nucleotide translocator and the ADP-regenerating system to the control of oxidative phosphorylation in isolated rat-liver mitochondria. Wanders RJ, et al. **Eur J Biochem** 1984 Jul 16;142(2):417–24

Myocardial high-energy phosphates and function under different postischemic conditions. A study in a paracorporeal rat heart model. Hultman J, et al. **Eur Surg Res** 1984;16(4):201–13

ADP binds similarly to rigor muscle myofibrils and to actomyosin-subfragment one. Johnson RE, et al. **FEBS Lett** 1984 Aug 20;174(1):11–4

Catalytic properties of the ATPase on submitochondrial particles after exchange of tightly bound nucleotides under different steady state conditions. Myers JA, et al. **FEBS Lett** 1983 Oct 17;162(2):277–81

Similar affinities of ADP and ATP for G-actin at physiological salt concentrations. Wanger M, et al. **FEBS Lett** 1983 Oct 3;162(1):112–6

Inorganic phosphate-dependent ADP binding on the chloroplast coupling factor and its participation in ATP synthesis. Komatsu-Takaki M. **J Biochem (Tokyo)** 1983 Oct;94(4):1095–100

Relationship of the intra- and extramitochondrial adenine nucleotide ratios during synthesis of phosphoenolpyruvate using extramitochondrial ATP. Erecińska M, et al. **J Biol Chem** 1984 Sep 10;259(17):10904–6

Relationship of the ATP/ADP ratio to the site of octanoate activation. Otto DA. **J Biol Chem** 1984 May 10; 259(9):5490–4

The critical concentration of actin in the presence of ATP increases with the number concentration of filaments and approaches the critical concentration of actin.ADP. Pantaloni D, et al. **J Biol Chem** 1984 May 25; 259(10):6274–83

Kinetics of the interaction between actin, ADP, and cardiac myosin-S1. Siemankowski RF, et al. **J Biol Chem** 1984 Apr 25;259(8):5045–53

Modulation by ADP and Mg^{2+} of the inactivation of the F1-ATPase from the thermophilic bacterium, PS3, with dicyclohexylcarbodiimide. Yoshida M, et al. **J Biol Chem** 1983 Dec 10;258(23):14407–12

Binding of sodium and potassium to the sodium pump of pig kidney evaluated from nucleotide-binding behaviour. Jensen J, et al. **J Physiol (Lond)** 1984 Jan;346:219–41

Muscle biopsy studies in patients with moderate liver cirrhosis with special reference to energy-rich phosphagens and electrolytes. Möller P, et al. **Scand J Gastroenterol** 1984 Mar;19(2):267–72

Sodium arachidonate induced platelet aggregation is independent of secreted adenosine diphosphate. Burch JW, et al. **Thromb Res** 1983 Sep 1;31(5):747–58

Encephalomyocarditis virus replication complexes that prefer nucleoside diphosphates as substrates for viral RNA synthesis. Koonin EV, et al. **Virology** 1983 Sep; 129(2):309–18

PHARMACODYNAMICS

Effect of epinephrine on fibrinogen receptor exposure by aspirin-treated platelets and platelets from concentrates in response to ADP and thrombin. Peerschke EI. **Am J Hematol** 1984 May;16(4):335–45

Interaction of nitrogenase with nucleotide analogs of ATP and ADP and the effect of metal ions on ADP inhibition. Weston MF, et al. **Arch Biochem Biophys** 1983 Sep; 225(2):809–17

Regulation of C4 photosynthesis: catalytic phosphorylation as a prerequisite for ADP-mediated inactivation of pyruvate,Pi dikinase. Burnell JN, et al. **Biochem Biophys Res Commun** 1984 Jan 13;118(1):65–72

Regulatory effects of adenosine diphosphate on the activity of the plasma membrane ATPase of corn roots. Tu SI, et al. **Biochem Biophys Res Commun** 1984 Aug 16; 122(3):1367–73

Inhibition of bovine heart NAD-specific isocitrate dehydrogenase by reduced pyridine nucleotides: modulation of inhibition by ADP, NAD+, Ca^{2+}, citrate, and isocitrate. Gabriel JL, et al. **Biochemistry** 1984 Jun 5;23(12):2773–8

Characterization of a homogeneous complex of arginyl- and lysyl-tRNA synthetase: zinc and adenosine 5'-phosphate dependent synthesis of diadenosine 5',5'''-P1,P4-tetraphosphate. Hilderman RH. **Biochemistry** 1983 Sep 13;22(19):4353–7

Circular dichroism and nucleotide and phosphate-induced conformational changes of mitochondrial adenosinetriphosphatase. Roux B, et al. **Biochemistry** 1984 Jan 31;23(3):534–7

Effects of four types of reagents on ADP-induced aggregation and Ca^{2+} mobilization of bovine blood platelets. Kitagawa S, et al. **Biochim Biophys Acta** 1984 Apr 10;798(2):210–5

Inhibition of ADP-induced aggregation of bovine platelets

by saturated fatty acids and its relation with the change of membrane surface charge. Kitagawa S, et al. **Biochim Biophys Acta** 1984 Aug 22;775(2):197–202

Thiophosphorylation of (Na + K+)-ATPase yields an ADP-sensitive phosphointermediate. Schuurmans Stekhoven FM, et al. **Biochim Biophys Acta** 1984 Jul 25; 774(2):277–87

Inhibition of 5-hydroxytryptamine-potentiated aggregation of human blood platelets by 5-hydroxytryptamine receptor-blocking agents. Glusa E, et al. **Biomed Biochim Acta** 1984;43(2):215–20

2,3-butanedione desensitization of bovine adrenal 2-oxoglutarate dehydrogenase to adenosine-5'-diphosphate. Strumilo SA, et al. **Biomed Biochim Acta** 1984;43(2):237–40

Differential inhibition by adenosine or by prostaglandin E1 of human platelet aggregation induced by adenosine 5'-O-(1-thiodiphosphate) and adenosine 5'-O-(2-thiodiphosphate). Cusack NJ, et al. **Br J Pharmacol** 1982 Feb;75(2):257–9

Comparison of the effect of temperature on kidney cortex mitochondria from rabbit, dog, pig, and human: Arrhenius plots of ADP-stimulated respiration. Southard JH, et al. **Cryobiology** 1983 Aug;20(4):395–400

Rapid decrease of platelet aggregation (ADP—and collagen—induced) and of platelet circulating aggregates by the artificial pancreas in insulin-dependent diabetics. Coppola L, et al. **Diabete Metab** 1984 Jan;10(1):31–5

Platelet aggregation: its relation with ADP-induced fibrinogen binding to platelets and ADP-related membrane enzyme activities. Legrand C, et al. **Eur J Biochem** 1984 Aug 1;142(3):465–71

ADP- and epinephrine-elicited release of [3H]guanylylimidodiphosphate from platelet membranes. Implications for receptor-Ni stoichiometry. Motulsky HJ, et al. **FEBS Lett** 1983 Nov 28;164(1):13–6

Inhibition by the protein ceruloplasmin of lipid peroxidation stimulated by an Fe3+-ADP-adriamycin complex. Nakano H, et al. **FEBS Lett** 1984 Jan 30;166(2):232–6

The calmodulin-dependent activation and deactivation of the phosphoprotein phosphatase, calcineurin, and the effect of nucleotides, pyrophosphate, and divalent metal ions. Identification of calcineurin as a Zn and Fe metalloenzyme. King MM, et al. **J Biol Chem** 1984 Jul 25;259(14):8847–56

Escherichia coli succinyl coenzyme A synthetase. Inhibition of ATP-stimulated succinate----succinyl coenzyme A exchange at low succinyl coenzyme A concentrations by an ADP trap. Nishimura JS, et al. **J Biol Chem** 1984 Feb 25;259(4):2144–8

Mepacrine-induced elevation of cyclic GMP levels and acceleration of reversal of ADP-induced aggregation in washed rabbit platelets. Matsuoka I, et al. **J Cyclic Nucleotide Protein Phosphor Res** 1983; 9(4–5):341–53

Biochemical modulation of angiogenesis in the chorioallantoic membrane of the chick embryo. Barnhill RL, et al. **J Invest Dermatol** 1983 Dec;81(6):485–8

Platelet cytoskeleton: immunofluorescence studies on ADP and collagen-activated platelets. Billett HH, et al. **J Lab Clin Med** 1984 Apr;103(4):534–48

Effects of alcohols on ADP-induced aggregation and membrane fluidity of gel-filtered bovine blood platelets. Kitagawa S, et al. **J Membr Biol** 1984;79(1):97–102

The analysis of drug action on mitochondrial oxidative phosphorylation. The choice of organic solvent for water-insoluble drugs. Lovett GS, et al. **Methods Find Exp Clin Pharmacol** 1983 Dec;5(10):695–9

Angiogenic factors and their assay: activity of formyl methionyl leucyl phenylalanine, adenosine diphosphate, heparin, copper, and bovine endothelium stimulating factor. McAuslan BR, et al. **Microvasc Res** 1983 Nov;26(3):323–38

Characteristics of an ADP receptor mediating platelet activation. Colman RW, et al. **Mol Cell Biochem** 1984; 59(1–2):101–11 (62 ref.)

Enhancement of the stimulating effect of fructose-1.6-diphosphate on the metabolic energy balance of carbohydrate-deficient bovine lenses by additional supply with ADP. Hockwin O, et al. **Ophthalmic Res** 1983; 15(3):168–71

The effects of continuous infusions of prostacyclin-Na (epoprostenol-sodium) on platelet counts, ADP-induced aggregation, and cyclic AMP levels in normal volunteers. Reele SB, et al. **Prostaglandins** 1983 Aug;26(2):287–302

ADP and arachidonic acid induced platelet aggregation in schizophrenia and atypical psychoses. Whalley LJ, et al. **Psychol Med** 1984 Feb;14(1):207–11

On a possible interaction between ADP and mechanical stimulation in platelet activation. Aursnes I, et al. **Thromb Haemost** 1984 Feb 28;51(1):54–6

ADP-induced platelet release reaction in acute stroke. Mulley GP, et al. **Thromb Haemost** 1983 Aug 30; 50(2):524–6

The ability of fibrinogens, FI and FII, to support ADP-induced platelet aggregation. Phillips HM, et al. **Thromb Haemost** 1983 Aug 30;50(2):527–9

A comparison of spontaneous platelet aggregation in whole blood with platelet rich plasma: additional evidence for the role of ADP. Saniabadi AR, et al. **Thromb Haemost** 1984 Feb 28;51(1):115–8

An antiplatelet monoclonal antibody that inhibits ADP and epinephrine-induced aggregation. Vilella R, et al. **Thromb Haemost** 1984 Feb 28;51(1):93–6

Agonist-specific refractory states of bovine platelets-disappearance of synergism in aggregation. Imada T, et al. **Thromb Res** 1983 Sep 15;31(6):807–15

Effects of oral contraceptives, or lanosterol, on ADP-induced aggregation and binding of 125I-fibrinogen to rat platelets. McGregor L, et al. **Thromb Res** 1984 Mar 1;33(5):517–22

Lack of interaction of heparin with ADP and prostacyclin on rat platelets. Roncaglioni MC, et al. **Thromb Res** 1983 Jul 15;31(2):397–400

[In vitro aggregation of rat platelets by cumulative doses of ADP: influence of 3 antiaggregants and a protease inhibitor, aprotinin] Mary A, et al. **C R Soc Biol (Paris)** 1983;177(3):320–31 (Eng. Abstr.) **(Fre)**

[ADP and collagen-induced thrombocyte aggregation in umbilical cord vein blood] Briel RC, et al. **Z Geburtshilfe Perinatol** 1983 Sep–Oct;187(5):239–45 (Eng. Abstr.) **(Ger)**

[Effect of ADP, malate and succinate on the electroretinogram of the isolated frog retina] Czepita D. **Klin Oczna** 1984 Mar;86(3):113–5 (Eng. Abstr.) **(Pol)**

[Effect of aggregating agents on the pentosephosphate pathway of carbohydrate metabolism in human blood platelet extracts] Makarov SA, et al. **Farmakol Toksikol** 1983 Sep–Oct;46(5):48–52 (Eng. Abstr.) **(Rus)**

[Multimeric structure of factor VIII/von Willebrand factor released from human platelets by ADP, collagen and thrombin] López Fernández MF, et al. **Sangre (Barc)** 1983; 28(4):439–49 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Regulation of C4 photosynthesis: inactivation of pyruvate, Pi dikinase by ADP-dependent phosphorylation and activation by phosphorolysis. Ashton AR, et al. **Arch Biochem Biophys** 1984 May 1;230(2):492–503

A major role of ADP in thromboxane transfer experiments: studies in patients with platelet secretion defects. Rao AK, et al. **J Lab Clin Med** 1984 Jul;104(1):116–26

Physiological concentrations of ADP stimulate the release of prostacyclin from bovine aortic endothelial cells. Van Coevorden A, et al. **Prostaglandins** 1984 Apr;27(4):615–26

Adhesion and aggregation of thrombin prestimulated human platelets on surface-bound fibrinogen: evidence for involvement of ADP and arachidonic acid pathways. Feuerstein IA, et al. **Thromb Haemost** 1983 Oct 31; 50(3):679–85

THERAPEUTIC USE

[Effect of NAD and ADP on glycolysis in the kidneys and liver of rats during ischemia] Tamarina NZ, et al. **Ukr Biokhim Zh** 1984 Jan–Feb;56(1):46–52 (Eng. Abstr.) **(Rus)**

TOXICITY

A method for monitoring ADP-induced thromboembolism in mice. Kigasawa K, et al. **Thromb Res** 1984 Aug 1; 35(3):311–8

ADENOSINE DIPHOSPHATE GLUCOSE see under **NUCLEOSIDE DIPHOSPHATE SUGARS**

ADENOSINE DIPHOSPHATE RIBOSE see under **NUCLEOSIDE DIPHOSPHATE SUGARS**

ADENOSINE DIPHOSPHATE SUGARS see under **NUCLEOSIDE DIPHOSPHATE SUGARS**

ADENOSINE KINASE see under **PHOSPHOTRANSFERASES, ATP**

ADENOSINE MONOPHOSPHATE

Purification of commercial preparations of NADP+ from AMP contamination. Nikulin IR, et al. **Anal Biochem** 1983 Aug;133(1):208–13

On the metal-ion coordinating properties of the 5'-monophosphates of 1, N6-ethenoadenosine (epsilon-AMP), adenosine and uridine. Comparison of the macrochelate formation in the complexes of epsilon-AMP, AMP, ADP and ATP. Sigel H, et al. **Eur J Biochem** 1984 Jan 16;138(2):291–9

Complex formation between ethidium bromide and the nucleotides AMP and GMP. Mantooth D, et al. **Photochem Photobiol** 1983 Nov;38(5):623–6

ANALOGS & DERIVATIVES

The arsonomethyl analogue of adenosine 5'-phosphate. An uncoupler of adenylate kinase. Adams SR, et al. **Biochem J** 1984 Aug 1;221(3):829–36

Ubiquitin adenylate: structure and role in ubiquitin activation. Haas AL, et al. **Biochemistry** 1983 Sep 13;22(19):4388–94

Preparation of ligation intermediates and related polynucleotide pyrophosphates. Chu BC, et al. **Biochim Biophys Acta** 1984 May 15;782(1):103–5

Tautomerism of 2-azidoadenine nucleotides. Effects on enzyme kinetics and photoaffinity labeling. Czarnecki JJ. **Biochim Biophys Acta** 1984 Jul 16;800(1):41–51

Effects of phosphorothioate analogues of ATP, ADP and AMP on guinea-pig taenia coli and urinary bladder. Burnstock G, et al. **Br J Pharmacol** 1984 Jun;82(2):369–74

Deletion mutagenesis using an 'M13 splint': the N-terminal structural domain of tyrosyl-tRNA synthetase (B. stearothermophilus) catalyses the formation of tyrosyl adenylate. Waye MM, et al. **EMBO J** 1983;2(10):1827–9

Vibronic exciton interactions. Resolution and interpretation of the temperature-dependent circular dichroism and absorption spectra of ApA and of dApdA. Fornasier D, et al. **Eur J Biochem** 1984 Aug 15;143(1):1–7

On the metal-ion coordinating properties of the 5'-monophosphates of 1, N6-ethenoadenosine (epsilon-AMP), adenosine and uridine. Comparison of the macrochelate formation in the complexes of epsilon-AMP, AMP, ADP and ATP. Sigel H, et al. **Eur J Biochem** 1984 Jan 16;138(2):291–9

Inactivation of beef heart mitochondrial F1-ATPase by the 2',3'-dialdehyde derivatives of adenine nucleotides. de Melo DF, et al. **FEBS Lett** 1984 Apr 9;169(1):101–6

Electron microscopic studies of myosin molecules from chicken gizzard muscle II: The effect of thiophosphorylation of the 20K-dalton light chain on the ATP-induced change in the conformation of myosin monomers. Onishi H, et al. **J Biochem (Tokyo)** 1983 Oct; 94(4):1147–54

Studies of the interactions of 2',3'-O-(2,4,6-trinitrocyclohexyldienylidine)adenosine nucleotides with the sarcoplasmic reticulum (Ca2+ + Mg2+)-ATPase active site. Nakamoto RK, et al. **J Biol Chem** 1984 Mar 10;259(5):2961–70

Aminoacyl-nucleotide reactions: studies related to the origin of the genetic code and protein synthesis. Mullins DW Jr, et al. **Orig Life** 1984;14(1–4):597–604

Schwann cell galactocerebroside induced by derivatives of adenosine 3',5'-monophosphate. Sobue G, et al. **Science** 1984 Apr 6;224(4644):72–4

[Inhibitory action of adenylyl-[3'—5']-ribavirin on the RNA polymerase activity of influenza A viruses] Pravdina NF, et al. **Dokl Akad Nauk SSSR** 1984;274(4):975–8 **(Rus)**

ANALYSIS

Regulation of Mycobacterium smegmatis glutamine synthetase by adenylylation. Kimura K, et al. **J Biochem (Tokyo)** 1984 Jun;95(6):1559–67

Application of anion-exchange column chromatography for determination of alkaline phosphatase activity using 2'-AMP or 3'-AMP as substrate. Hsu DS, et al. **J Chromatogr** 1983 Aug 12;276(1):169–73

BLOOD

Properties of ATPases and energy-rich phosphates in erythrocytes of young and old individuals. Vömel T. **Gerontology** 1984;30(1):22–5

Methodological aspects on the firefly luciferase assay of adenine nucleotides in whole blood and red blood cells. Olsson T, et al. **Scand J Clin Lab Invest** 1983 Dec; 43(8):657–64

[Effect of glycolysis on the metabolism of adenylates in human erythrocytes] Ataullakhanov FI, et al. **Biokhimiia** 1984 Jan;49(1):104–10 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

Synthesis of nucleotides with specific radiolabels in ribose. Primary 14C and secondary 3H kinetic isotope effects on acid-catalyzed glycosidic bond hydrolysis of AMP, dAMP, and inosine. Parkin DW, et al. **J Biol Chem** 1984 Aug 10; 259(15):9411–7

DIAGNOSTIC USE

X-linked recessive (Duchenne) muscular dystrophy (DMD) and purine metabolism: effects of oral allopurinol and adenylate. Thomson WH. **Adv Exp Med Biol** 1984;165 Pt B:451–6

ISOLATION & PURIFICATION

[Purification of commercial preparations of NADP from AMP] Nikulin IR, et al. **Vopr Med Khim** 1983 Jul–Aug; 29(4):128–31 (Eng. Abstr.) **(Rus)**

METABOLISM

Somatostatin effect on the level of adenyl nucleotides in the blood and tissues of rats during short-lasting hypothermia. Krauss H, et al. **Acta Physiol Pol** 1983 Jul–Aug; 34(4):437–44

Stimulation by adenosine of adenine nucleotide turnover in isolated hepatocytes: evidence for a futile cycle between AMP and adenosine. Bontemps F, et al. **Adv Exp Med Biol** 1984;165 Pt A:475–80

Uptake of AMP into K 562 and HL-60 leukemic cell lines. Chiba P, et al. **Adv Exp Med Biol** 1984;165 Pt B:273–8

Metabolism of AMP in muscle extracts from patients with deficient activity of myoadenylate deaminase. Raivio KO, et al. **Adv Exp Med Biol** 1984;165 Pt B:431–6

The pathway of AMP catabolism and its control in isolated rat hepatocytes subjected to anoxia. Vincent MF, et al. **Adv Exp Med Biol** 1984;165 Pt A:469–74

Mn-Mn interaction in adenylylated and unadenylylated glutamine synthetase. Gibbs EJ, et al. **Biochem Biophys Res Commun** 1984 May 16;120(3):939–45

A general method for visualizing enzymes releasing adenosine or adenosine-5'-monophosphate. Friedrich CA, et al. **Biochem Genet** 1984 Jun;22(5–6):389–94

Regulation of ammonia secretion from AMP as induced by electroaxonal transport of AMP deaminase in sheep medulla oblongata. Mohanachari V, et al. **Indian J Exp Biol** 1983 Feb;21(2):92–6

AMP and IMP binding to glycogen phosphorylase b. A calorimetric and equilibrium dialysis study. Mateo PL, et al. **J Biol Chem** 1984 Aug 10;259(15):9384–9

Interaction of crystalline tyrosyl-tRNA synthetase with adenosine, adenosine monophosphate, adenosine triphosphate and pyrophosphate in the presence of tyrosinol. Monteilhet C, et al. **J Mol Biol** 1984 Mar 15; 173(4):477–85

Comparison of AMP and NADH binding to glycogen phosphorylase b. Stura EA, et al. **J Mol Biol** 1983 Oct 25;170(2):529–65

Absorption and metabolism of adenine, adenosine-5'-monophosphate, adenosine and hypoxanthine by the isolated vascularly perfused rat small intestine. Salati LM, et al. **J Nutr** 1984 Apr;114(4):753–60

The lymphocyte activity of adenosine deaminase and enzymes of AMP metabolism in mammary carcinogenesis: the effect of thymostimulin. Grinevich YuA, et al. **Neoplasma** 1984;31(1):21–9

[Prostaglandins and 3',5'-AMP in rat tissues following administration of thiamine and its derivatives] Buko VU, et al. **Ukr Biokhim Zh** 1983 Jul-Aug;55(4):453–6 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

AMP-dependence of the cyanide-insensitive pathway in the respiratory chain of Paramecium tetraurelia. Doussière J, et al. **Biochem J** 1984 Jun 15;220(3):787–94

Rate and equilibrium constants of the tetramerization process of phosphorylase b. Influence of AMP and Mg2+. Muñoz F, et al. **Biophys Chem** 1983 Oct;18(3):249–56

Specific but noncompetitive inhibition by 2-alkylthio analogues of adenosine 5'-monophosphate and adenosine 5'-triphosphate of human platelet aggregation induced by adenosine 5'-diphosphate. Cusack NJ, et al. **Br J Pharmacol** 1982 Feb;75(2):397–400

Stimulation of uridine, leucine, and sulfate incorporation into rat cartilage macromolecules by adenosine 3',5'-monophosphate. Sullivan JN, et al. **Endocrinology** 1984 Aug;115(2):793–800

Stimulation of P1-purinoceptors by ATP depends partly on its conversion to AMP and adenosine and partly on direct action. Moody CJ, et al. **Eur J Pharmacol** 1984 Jan 13; 97(1-2):47–54

Synergistic effect of AMP and fructose 2,6-bisphosphate on the protection of fructose 1,6-bisphosphatase against inactivation by trypsin. Han PF, et al. **Experientia** 1983 Nov 15;39(11):1305–7

The effect of fructose 2,6-bisphosphate and AMP on the activity of phosphorylated and unphosphorylated fructose-1,6-bisphosphatase from rat liver. Ekdahl KN, et al. **FEBS Lett** 1984 Feb 27;167(2):203–9

[Effect of adenosine, AMP and papaverine on the cAMP content in thymocytes prelabelled with 14C-adenine] Dmitrenko NP, et al. **Biull Eksp Biol Med** 1984 Aug; 97(8):181–3 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Activity of AMP against experimental herpes simplex virus type 1 infections in mice. Blue WT, et al. **Antimicrob Agents Chemother** 1983 Nov;24(5):807–9

Lack of efficacy of AMP against recrudescent genital herpes infections in guinea pigs. Fraser-Smith EB, et al. **Antimicrob Agents Chemother** 1983 Oct;24(4):611–2

ADENOSINE PHOSPHATES see **ADENINE NUCLEOTIDES**

ADENOSINE PHOSPHOSULFATE see under **ADENOSINE MONOPHOSPHATE**

ADENOSINE PYROPHOSPHATE see **ADENOSINE DIPHOSPHATE**

ADENOSINE TRIPHOSPHATASE

Sensitivity of spin-labeled sarcoplasmic reticulum to the phosphorylation state of the catalytic site in aqueous media and in dimethyl sulfoxide. Coan C. **Biochemistry** 1983 Dec 6;22(25):5826–36

Optical properties and small-angle neutron scattering of bovine heart mitochondrial oligomycin sensitivity conferring protein. Dupuis A, et al. **Biochemistry** 1983 Dec 6;22(25):5951–6

Amino acid sequence of the oligomycin sensitivity-conferring protein (OSCP) of beef-heart mitochondria and its homology with the delta-subunit of the F1-ATPase of Escherichia coli. Ovchinnikov YA, et al. **FEBS Lett** 1984 Jan 23;166(1):19–22

Isolation of microtubules and a dynein-like MgATPase from unfertilized sea urchin eggs. Scholey JM, et al. **J Biol Chem** 1984 May 25;259(10):6516–25

Dynein arm substructure and the orientation of arm-microtubule attachments. Avolio J, et al. **J Mol Biol** 1984 Mar 5;173(3):389–401

Small-angle X-ray scattering study of adenosine triphosphatase from thermophilic bacterium PS3. Furuno T, et al. **J Mol Biol** 1983 Oct 15;170(1):137–53

Biochemical and ultrastructural characterization of a high molecular weight soluble Mg2+ -ATPase from human erythrocytes. Harris JR. **J Mol Biol** 1984 Apr 25; 174(4):705–21

Assembly and kinetic properties of myosin light chain isozymes from fast skeletal muscle. Pastra-Landis SC, et al. **J Mol Biol** 1983 Oct 25;170(2):403–22

Sequence homology between two membrane transport ATPases, the Kdp-ATPase of Escherichia coli and the Ca2+-ATPase of sarcoplasmic reticulum. Hesse JE, et al. **Proc Natl Acad Sci USA** 1984 Aug;81(15):4746–50

ANALYSIS

Anthelmintic studies on Setaria cervi: histochemical alterations in glucose-6-phosphatase, adenosine triphosphatase and malic dehydrogenase. Khatoon H, et al. **Acta Vet Acad Sci Hung** 1982;30(4):271–6

Adenosinetriphosphatase (Mg-ATPase) activity in the plasma membrane of preimplantation mouse embryo as revealed by electron microscopy. Smith R, et al. **Anat Embryol (Berl)** 1983;168(3):455–66

Biochemical analysis of human seminal plasma. I. Fructose, ascorbate, cholesterol, adenosine triphosphatase and lactic dehydrogenase. Srivastava A, et al. **Andrologia** 1983 Sep-Oct;15(5):431–5

Monoclonal antibodies to mitochondrial F1-ATPase and oligomycin sensitivity conferring protein (OSCP). Tools for recognition of well conserved and essential antigenic sites. Archinard P, et al. **Biochem Biophys Res Commun** 1984 Aug 30;123(1):254–61

Biochemical quantification of ATPase activities during liver carcinogenesis. Fischer G, et al. **Cancer Detect Prev** 1983; 6(3):363–70

Membrane lipids and enzymes of cultured high- and low-metastatic B16 melanoma variants. Schroeder F, et al. **Cancer Res** 1984 Aug;44(8):3262–9

Separation of the tryptic fragments of sarcoplasmic reticulum ATPase with high performance liquid chromatography. Identification of the calcium binding site. Lüdi H, et al. **FEBS Lett** 1984 Feb 13;167(1):33–6

Cytochemical evidence for functional zonation of parietal cells within the gastric glands of the mouse. Coulton GR, et al. **Histochem J** 1983 Nov;15(11):1141–50

Cytochemical studies on the localization of alkaline phosphatase and HCO-3-activated adenosine triphosphatase in the brush border membrane of rat duodenal enterocytes. Sharp G, et al. **Histochem J** 1983 Nov;15(11):1131–9

Quantitative histochemistry of three mouse hind-limb muscles: the relationship between calcium-stimulated myofibrillar ATPase and succinate dehydrogenase activities. van der Laarse WJ, et al. **Histochem J** 1984 May; 16(5):529–41

A new method for myofibrillar Ca++-ATPase reaction based on the use of metachromatic dyes: its advantages in muscle fibre typing. Dorigiuzzi C, et al. **Histochemistry** 1983;79(3):289–94

A successive histochemical staining for succinate dehydrogenase and 'reversed'-ATPase in a single section for the skeletal muscle fibre typing. Horák V. **Histochemistry** 1983;78(4):545–53

Biochemical and structural characterization of membrane fractions from bovine lens. Kachura V, et al. **Invest Ophthalmol Vis Sci** 1983 Nov;24(11):1496–504

Association of penicillin-binding proteins and other enzymes with the ribosome-free membrane fraction of Bacillus subtilis. Caulfield MP, et al. **J Bacteriol** 1983 Oct;156(1):1–5

Purification of a high molecular weight membrane protein by fast protein liquid chromatography: the ATPase complex of a thermophilic cyanobacterium. van Walraven HS, et al. **J Biochem Biophys Methods** 1984 May;9(2):163–9

Immunologically reactive multiple species of mitochondrial coupling factor B. Kaplay SS, et al. **J Biol Chem** 1984 Aug 25;259(16):10623–6

Phosphorylation-induced mobility shift in phospholamban in sodium dodecyl sulfate-polyacrylamide gels. Evidence for a protein structure consisting of multiple identical phosphorylatable subunits. Wegener AD, et al. **J Biol Chem** 1984 Feb 10;259(3):1834–41

Histochemical localization of phosphomonoesterases in Avitellina lahorea Woodland, 1927 (Cestoda: Anoplocephalida). Farooq R, et al. **J Helminthol** 1984 Jun; 58(2):169–73

Comparison of muscle fiber typing by quantitative enzyme assays and by myosin ATPase staining. Hintz CS, et al. **J Histochem Cytochem** 1984 Jun;32(6):655–60

Effect of indomethacin on alteration of ATPase-positive Langerhans cell density and cutaneous sunburn reaction induced by ultraviolet-B radiation. Lim HW, et al. **J Invest Dermatol** 1983 Nov;81(5):455–8

Tissue specific alteration of aminotransferases and total ATPases in the fish (Tilapia mossambica) under methyl parathion impact. Prasada Rao KS, et al. **Toxicol Lett** 1984 Jan;20(1):53–7

Mitochondrial myopathy with loosely coupled oxidative phosphorylation in a case of Zellweger syndrome. A cytochemical-ultrastructural study. Müller-Höcker J, et al. **Virchows Arch [Cell Pathol]** 1984;45(2):125–38

[Ultracytochemical localization of ouabain-sensitive, K+-paranitrophenyl phosphatase, alkaline phosphatase and Mg2+-adenosine triphosphatase activities in the salivary glands] Yoshihara T. **Nippon Jibiinkoka Gakkai Kaiho** 1984 Apr;87(4):481–8 (Eng. Abstr.) **(Jpn)**

[Dynein in cell motility] Mohri H, et al. **Tanpakushitsu Kakusan Koso** 1983 Apr;28(5):599–612 (98 ref.) **(Jpn)**

[Ultrastructural localization of nucleoside phosphatase activity in the thymocytes of rats] Bukhvalov IB, et al. **Tsitologiia** 1983 Aug;25(8):904–9 (22 ref.) (Eng. Abstr.) **(Rus)**

[Virion-associated enzymes of the iridovirus in the mosquito Aedes cantans] Buchatskiĭ LP, et al. **Vopr Virusol** 1984 Jan-Feb;29(1):59–61 (Eng. Abstr.) **(Rus)**

[Effect of etomidate sulfate on the oxidative activity of rat liver, kidney and heart in vitro] Alvarez FJ, et al. **Arch Farmacol Toxicol** 1983 Dec;9(3):269–74 (Eng. Abstr.) **(Spa)**

ANTAGONISTS & INHIBITORS

Trifluoperazine inhibition of electron transport and adenosine triphosphatase in plant mitochondria. Dunn PP, et al. **Arch Biochem Biophys** 1984 Feb 15;229(1):287–94

Chloral hydrate inhibition in vitro of ATPase in membrane of rat erythrocytes and in microsomes of dog kidney external medulla. Bergesse JR, et al. **Biochem Pharmacol** 1983 Nov 1;32(21):3221–5

Effect of chlordecone on pH and temperature dependent substrate activation kinetics of rat brain synaptosomal ATPases. Chetty SC, et al. **Biochem Pharmacol** 1983 Nov 1;32(21):3205–11

Vanadate binding to the gastric H,K-ATPase and inhibition of the enzyme's catalytic and transport activities. Faller LD, et al. **Biochemistry** 1983 Sep 27;22(20):4676–85

Effects of phenothiazines on inhibition of plasma membrane ATPase and hyperpolarization of cell membranes in the yeast Saccharomyces cerevisiae. Eilam Y. **Biochim Biophys Acta** 1984 Feb 15;769(3):601–10

Differential inhibition of F0F1-ATPase-catalysed reactions in bovine-heart submitochondrial particles by organotin compounds. Emanuel EL, et al. **Biochim Biophys Acta** 1984 Jul 27;766(1):209–14

Inhibition of (H+ + K+)-ATPase and H+ accumulation in hog gastric membranes by trifluoperazine, verapamil and 8-(N,N-diethylamino)octyl-3,4,5-trimethoxybenzoate. Im WB, et al. **Biochim Biophys Acta** 1984 Feb 29;770(1):65–72

Inhibitor studies with adenohypophyseal granule membrane ATPase. Evidence for a membrane environment which modulates sensitivity to inhibitors. Lorenson MY, et al. **Biochim Biophys Acta** 1984 Jan 25;769(2):479–85

Inhibition of synaptosomal enzymes by local anesthetics. Sidek HM, et al. **Biochim Biophys Acta** 1984 Sep 7; 801(1):26–31

A bovine seminal plasma inhibitor of actin-stimulated myosin adenosine triphosphatase. Tamblyn TM. **Biol Reprod** 1983 Oct;29(3):725–32

Inhibition of partially purified K+/H+-ATPase from guinea-pig isolated and enriched parietal cells by substituted benzimidazoles. Beil W, et al. **Br J Pharmacol** 1984 Jul;82(3):651–7

Sodium bicarbonate inhibits gastric mucosa membrane adenosine triphosphatase activity. Martin LF, et al. **Curr Surg** 1984 Jan-Feb;41(1):26–9

Inhibition of ATPase activities of brain and liver homogenates by triethyltin (TET). Jacobs KS, et al. **Dev Toxicol Environ Sci** 1983;11:517–20

Changes in brain ATPases in rats fed on chlordane mixed with iron-sufficient and deficient diet. Drummond L, et al. **Drug Chem Toxicol** 1983;6(3):259–66

Comparison of effects of inhibitors on adenosine triphosphatase and adenosine diphosphatase activities in rat-liver mitochondria. Montague DJ, et al. **Eur J Biochem** 1984 Mar 15;139(3):529–34

Mode of action of miconazole on yeasts: inhibition of the mitochondrial ATPase. Portillo F, et al. **Eur J Biochem** 1984 Sep 3;143(2):273–6

Inhibition of erythrocyte ATPase activity by aclacinomycin and reverse effects of ascorbate on ATPase activity. Kitao T, et al. **Experientia** 1983 Dec 15;39(12):1362–4

Inhibition of rabbit skeletal muscle acto-S1 ATPase by troponin T. Chong PC, et al. **FEBS Lett** 1983 Mar 21; 153(2):372–6

Purification and properties of factors in yeast mitochondria stabilizing the F1F0-ATPase-inhibitor complex. Hashimoto T, et al. **J Biochem (Tokyo)** 1984 Jan;95(1):131–6

Binding properties of an intrinsic ATPase inhibitor and occurrence in yeast mitochondria of a protein factor which stabilizes and facilitates the binding of the inhibitor to F1F0-ATPase. Hashimoto T, et al. **J Biochem (Tokyo)** 1983 Sep;94(3):715–20

Antibody against 25,000 dalton tryptic fragment of subfragment-1 from chicken skeletal muscle myosin: functional implication of the 25,000 fragment region in subfragment-1. Miyanishi T, et al. **J Biochem (Tokyo)** 1984 Jun;95(6):1823–6

Presteady state kinetic analysis of vanadate-induced inhibition of the dynein ATPase. Shimizu T, et al. **J Biol Chem** 1983 Nov 25;258(22):13833–40

Inhibition of acanthamoeba actomyosin-II ATPase activity and mechanochemical function by specific monoclonal antibodies. Kiehart DP, et al. **J Cell Biol** 1984 Sep; 99(3):1024–33

Inhibition by chlorpromazine, metals and l-ascorbic acid of

calcium–ATPase and magnesium–ATPase in bovine adrenal medullary microsomes. Yamanaka K, et al. **Jpn J Pharmacol** 1984 Apr;34(4):447–55

Differential inhibition by erythro-9-[3-(2-hydroxynonyl)]adenine of flagella-like and cilia-like movement of Leishmania promastigotes. Alexander J, et al. **Nature** 1983 Sep 22–28;305(5932):313–5

BIOSYNTHESIS

Protein synthesis during chloroplast development in Spirodela oligorhiza. Coordinated synthesis of chloroplast-encoded and nuclear-encoded subunits of ATPase and ribulose-1,5-bisphosphate carboxylase. de Heij HT, et al. **Eur J Biochem** 1984 Jan 2;138(1):161–8

Glucose represses transcription of Saccharomyces cerevisiae nuclear genes that encode mitochondrial components. Szekely E, et al. **Mol Cell Biol** 1984 May;4(5):939–46

[Interaction of the protein-synthesizing systems of the cytoplasm and mitochondria during hormonal induction of oligomycin-sensitive ATPase in the liver of rats of various ages] Kaliman PA, et al. **Ukr Biokhim Zh** 1983 Jul–Aug;55(4):380–5 (Eng. Abstr.) **(Rus)**

BLOOD

Involvement of polyphosphoinositides in the ATP turnover of intact human erythrocytes and in the ATPase activity of purified membranes. Maretzki D, et al. **Biomed Biochim Acta** 1983;42(11–12):S72–6

The role of spectrin-dependent ATPase in erythrocyte shape maintenance. Mirčevová L, et al. **Biomed Biochim Acta** 1983;42(11–12):S67–71

Kinetic alterations of the divalent cation-dependent ATPase activities of human erythrocyte membranes induced by blocking the membrane amino groups. Scutari G, et al. **Boll Soc Ital Biol Sper** 1983 Oct 30;59(10):1391–7

Properties of ATPases and energy-rich phosphates in erythrocytes of young and old individuals. Vömel T. **Gerontology** 1984;30(1):22–5

Alteration in the activities of the membrane integrated enzymes of polymorphonuclear leukocytes in diabetes mellitus. Chari SN, et al. **Indian J Med Res** 1983 Nov; 78:656–60

Acetylcholinesterase and ATPases in motor neuron degenerative diseases. Rasool CG, et al. **Muscle Nerve** 1983 Jul–Aug;6(6):430–5

GENETICS

Mosaicism of dynein in spermatozoa and cilia and fibrous sheath aberrations in an infertile man. Walt H, et al. **Andrologia** 1983 Jul–Aug;15(4):295–300

Identification of the gene for DNA helicase II of Escherichia coli. Taucher-Scholz G, et al. **Eur J Biochem** 1983 Dec 15;137(3):573–80

Relationship between dynein arms and ciliary motility in Kartagener's syndrome. Rutland J, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 2):470–2

The rep mutation. VII. Cloning and analysis of the functional rep gene of Escherichia coli K-12. Białkowska-Hobrzanska H, et al. **Gene** 1984 Apr;28(1):93–102

Complementation of a Schizosaccharomyces pombe mutant lacking the beta subunit of the mitochondrial ATPase by the ATP2 gene of Saccharomyces cerevisiae. Boutry M, et al. **J Biol Chem** 1983 Dec 25;258(24):15214–9

Rho-dependent termination and concomitant NTPase activity requires a specific, intact RNA region. Sharp JA, et al. **J Biol Chem** 1984 Feb 25;259(4):2268–73

The complex of T4 bacteriophage gene 44 and 62 replication proteins forms an ATPase that is stimulated by DNA and by T4 gene 45 protein. Mace DC, et al. **J Mol Biol** 1984 Aug 5;177(2):279–93

Cloning of the structural genes of the Escherichia coli adenosinetriphosphatase complex. Jans DA, et al. **Methods Enzymol** 1983;97:176–87

Initiation of transcription of the yeast mitochondrial gene coding for ATPase subunit 9. Edwards JC, et al. **Nucleic Acids Res** 1983 Dec 10;11(23):8269–82

The barley chloroplast DNA atpBE, trnM2, and trnV1 loci. Zurawski G, et al. **Nucleic Acids Res** 1984 Mar 12; 12(5):2549–59

IMMUNOLOGY

Antigenic relationships between plasma membrane ATPases of two different yeasts, Candida tropicalis and Schizosaccharomyces pombe. Blasco F, et al. **Biochem Biophys Res Commun** 1983 Sep 30;115(3):1114–9

ISOLATION & PURIFICATION

Purification and characterization of the soluble form of mitochondrial adenosine triphosphatase from sweet potato. Iwasaki Y, et al. **Arch Biochem Biophys** 1983 Nov; 227(1):164–73

Mg2+ adenosine triphosphatase from cell envelopes of free-living and bacteroid forms of Rhizobium lupini strain NZP2257. Robertson JG, et al. **Arch Biochem Biophys** 1984 Jul;232(1):337–47

Presence and stoichiometry of two forms of subunit 6 of the mitochondrial ATPase complex of yeast. Todd RD, et al. **Arch Biochem Biophys** 1983 Nov;227(1):106–10

Adenosinetriphosphatase site stoichiometry in sarcoplasmic reticulum vesicles and purified enzyme. Barrabin H, et al. **Biochemistry** 1984 Mar 27;23(7):1542–8

Purification and characterization of the membrane (Na+ + Mg2+)-ATPase from Acholeplasma laidlawii B. Lewis RN, et al. **Biochim Biophys Acta** 1983 Oct 26;735(1):113–22

Isolation, purification and characterization of the ATPase complex from the thermophilic cyanobacterium Synechococcus 6716. Lubberding HJ, et al. **Eur J Biochem** 1983 Dec 1;137(1–2):95–9

Comparison of histophotometric and biochemical myosin-ATPase estimations. Punkt K, et al. **Histochem J** 1984 Apr;16(4):385–7

A 174-kilodalton ATPase/dATPase polypeptide and a glycoprotein of apparently identical molecular weight are common but distinct components of higher eukaryotic nuclear structural protein subfractions. Berrios M, et al. **J Biol Chem** 1983 Nov 10;258(21):13384–90

Two ribonucleic acid-dependent nucleoside triphosphate phosphohydrolases from rat liver nuclei. Blanchard KL, et al. **J Biol Chem** 1983 Dec 10;258(23):14091–7

A new DNA-dependent ATPase from Escherichia coli. Purification and characterization of ATPase IV. Meyer RR, et al. **J Biol Chem** 1984 Apr 25;259(8):5093–9

Effect of extraction time on ability of calmodulin to activate 30S and 14S dynein ATPases. Blum JJ, et al. **J Cell Biochem** 1984;24(4):373–84

An enzyme that removes clathrin coats: purification of an uncoating ATPase. Schlossman DM, et al. **J Cell Biol** 1984 Aug;99(2):723–33

Myosin isozymes in avian skeletal muscles. II. Fractionation of myosin isozymes from adult and embryonic chicken pectoralis muscle by immuno-affinity chromatography. Benfield PA, et al. **J Muscle Res Cell Motil** 1983 Dec; 4(6):717–38

Brush border Mg2+-HCO-3-ATPase, supernatant carbonic anhydrase and other enzyme activities isolated from rat intestinal mucosa: effect of adrenalectomy and aldosterone administration. Suzuki S, et al. **J Steroid Biochem** 1983 Oct; 19(4):1419–33

METABOLISM

Correlative histochemical and biochemical studies on the adenosine triphosphatase, succinic dehydrogenase and acetylcholinesterase in the epididymis of mice after alpha-chlorohydrin treatment. Kakaria VK, et al. **Acta Eur Fertil** 1983 Sep-Oct;14(5):353–61

Effect of antibodies to light meromyosin on glycerinated muscle fibres and on actomyosin adenosinetriphosphatases. Szöör A, et al. **Acta Physiol Hung** 1983;61(1–2):69–75

The effect of several neurotransmitter substances on nerve ending membrane ATPase. Lores Arnaiz GR, et al. **Acta Physiol Lat Am** 1981;31(1):39–44

Ecto-adenosine triphosphatase: an enzyme correlating with resistance to deoxynucleoside growth inhibition. Fox RM, et al. **Adv Exp Med Biol** 1984;165 Pt B:357–62

The role of Ca2+ in cross-bridge kinetics in chemically skinned rabbit psoas fibers. Kawai M, et al. **Adv Exp Med Biol** 1984;170:657–72

Tension and ATPase rate in steady-state contractions of rabbit soleus fiber segments. Krasner BH, et al. **Am J Physiol** 1983 Nov;245(5 Pt 1):C405–14

Swimming exercise, thyroid state, and the distribution of myosin isoenzymes in rat heart. Pagani ED, et al. **Am J Physiol** 1983 Nov;245(5 Pt 1):H713–20

Monoclonal antibodies against gastric H+ + K+ ATPase. Smolka A, et al. **Am J Physiol** 1983 Oct;245(4):G589–96

Stimulation of oxyntic cell triggers K+ and Cl- conductances in apical H+-K+-ATPase membrane. Wolosin JM, et al. **Am J Physiol** 1984 May;246(5 Pt 1):C537–45

ATP-ase activity in the human oral mucous membrane, the guinea pig and the rabbit epidermis. A light- and electronmicroscopical investigation. Zelander T, et al. **Anat Anz** 1984;155(1–5):389–98

The effects of acetazolamide and of ethoxzolamide on gastric microcirculation in rats (histochemical study). Barbarino F, et al. **Ann NY Acad Sci** 1984;429:601–3

Effects of in vitro storage on the ATP-phosphohydrolase activity and ultrastructure of ejaculated bull sperm. Young LG, et al. **Arch Androl** 1983 Oct;11(2):115–21

Hypothesis—a chemical mechanism for the biosynthesis of ATP involving ion-exchange reactions. Jenkins WT, et al. **Arch Biochem Biophys** 1984 Aug 1;232(2):496–504

Mechanism of action of bicarbonate on the mitochondrial ATPase: a new graphical analysis procedure based on a ligand substitution model. Jenkins WT. **Arch Biochem Biophys** 1983 Nov;227(1):174–9

Effect of injected glucagon or fatty acids on mitochondrial ATPase. López-Moratalla N, et al. **Arch Biochem Biophys** 1984 Feb 15;229(1):194–201

Loose binding of testicular mitochondrial ATPase to the inner membrane. Vázquez-Memije ME, et al. **Arch Biochem Biophys** 1984 Aug 1;232(2):441–9

In vivo and in vitro incorporation of endogenous nucleotides by the energy-transducing ATPase of Streptococcus faecalis. Zlotnick GW, et al. **Arch Biochem Biophys** 1984 May 1;230(2):517–24

ATPase, antigens detected by monoclonal antibodies, ultrastructural characters: which is the best marker for Langerhans cells? De Panfilis G. **Arch Dermatol Res** 1983; 275(6):407–11 (32 ref.)

Possible mechanism of inhibition by lipid peroxidation of ATPase activities of rat cerebral cortex synaptosomes. Sawas AH, et al. **Arch Int Pharmacodyn Ther** 1984 May; 269(1):4–11

Linoleate incorporation into rat liver membranes phospholipids: effect on plasma membrane ATPase activities and physical properties. Breton M, et al. **Biochem Biophys Res Commun** 1983 Dec 28;117(3):809–16

Regulatory effects of adenosine diphosphate on the activity of the plasma membrane ATPase of corn roots. Tu SI, et al. **Biochem Biophys Res Commun** 1984 Aug 16; 122(3):1367–73

Properties of the bovine striatal synaptic vesicles ATPase. Near JA, et al. **Biochem Int** 1984 Feb;8(2):265–70

An additional acidic residue in the membrane portion of the b-subunit of the energy-transducing adenosine triphosphatase of Escherichia coli affects both assembly and function. Jans DA, et al. **Biochem J** 1984 Jul 1; 221(1):43–51

Phosphorylation of the myosin heavy chain. Its effect on actin-activated Mg2+-stimulated ATPase in leukaemic myeloblasts. Sagara J, et al. **Biochem J** 1983 Sep 15; 214(3):839–43

Spermine binding to submitochondrial particles and activation of adenosine triphosphatase. Solaini G, et al. **Biochem J** 1984 Mar 1;218(2):495–9

Effect of omeprazole on gastric secretion in H+,K+-ATPase and in pepsinogen-rich cell fractions from rabbit gastric mucosa. Fryklund J, et al. **Biochem Pharmacol** 1984 Jan 15;33(2):273–80

Potassium transport in Escherichia coli: genetic and biochemical characterization of the K+-transporting ATPase. Epstein W, et al. **Biochem Soc Trans** 1984 Apr; 12(2):235–6

Cryoenzymic studies on myosin subfragment 1: perturbation of an enzyme reaction by temperature and solvent. Biosca JA, et al. **Biochemistry** 1984 Apr 24;23(9):1947–55

Calmodulin interaction with cytoplasmic and flagellar dynein: calcium-dependent binding and stimulation of adenosinetriphosphatase activity. Hisanaga S, et al. **Biochemistry** 1984 Jun 19;23(13):3032–7

Correlation of enzymatic properties and conformation of smooth muscle myosin. Ikebe M, et al. **Biochemistry** 1983 Sep 13;22(19):4580–7

Mechanism of adenosinetriphosphatase activity of trinitrophenylated myosin subfragment 1. Muhlrad A. **Biochemistry** 1983 Jul 19;22(15):3653–60

Effects of phospholipase A2 on gastric microsomal H+, K+-ATPase system: role of 'boundary lipids' and the endogenous activator protein. Nandi J, et al. **Biochemistry** 1983 Dec 6;22(25):5814–21

The rate-limiting step in the actomyosin adenosinetriphosphatase cycle. Stein LA, et al. **Biochemistry** 1984 Mar 27;23(7):1555–63

Multiple deoxyribonucleic acid dependent adenosinetriphosphatases in FM3A cells. Characterization of an adenosinetriphosphatase that prefers poly [d(A-T)] as cofactor. Tawaragi Y, et al. **Biochemistry** 1984 Jan 31; 23(3):529–33

Modulation of the actin-activated adenosinetriphosphatase activity of myosin by tropomyosin from vascular and gizzard smooth muscles. Yamaguchi M, et al. **Biochemistry** 1984 Feb 14;23(4):774–9

Oxidation of reactive sulfhydryl groups of sarcoplasmic reticulum ATPase. Ariki M, et al. **Biochim Biophys Acta** 1983 Sep 21;734(1):83–90

Characterization of the membrane bound Mg2+-ATPase of rat skeletal muscle. Beeler TJ, et al. **Biochim Biophys Acta** 1983 Oct 12;734(2):221–34

Correlations between ATP hydrolysis, ATP synthesis, generation and utilization of delta pH in mitochondrial ATPase-ATP synthase. Deléage G, et al. **Biochim Biophys Acta** 1983 Dec 30;725(3):464–71

Sensitivity of Na+-coupled D-glucose uptake, Mg2+-ATPase and sucrase to perturbations of the fluidity of brush-border membrane vesicles induced by n-aliphatic alcohols. Fernandez YJ, et al. **Biochim Biophys Acta** 1984 Mar 14;770(2):171–7

Ca2+- or Mg2+-dependent ATPase in plasma membrane of cultured endothelial cells from bovine carotid artery. Hagiwara H, et al. **Biochim Biophys Acta** 1983 Oct 12; 734(2):133–6

Effect of carbachol or histamine stimulation on rat gastric membranes enriched in (H+-K+)-ATPase. Im WB, et al. **Biochim Biophys Acta** 1984 May 16;772(2):167–75

Effects of pH on the interaction of ligands with the (H+ + K+)-ATPase purified from pig gastric mucosa. Ljungström M, et al. **Biochim Biophys Acta** 1984 Jan 11; 769(1):220–30

Differential modulation of rat heart mitochondrial membrane-associated enzymes by dietary lipid. McMurchie EJ, et al. **Biochim Biophys Acta** 1983 Oct 4;760(1):13–24

Enhancement of actomyosin ATPase activity by tropomyosin. Recombination of myosin and tropomyosin between muscles and platelet. Nosaka S, et al. **Biochim Biophys Acta** 1984 Aug 14;788(3):290–7

Creatine kinase in regulation of heart function and metabolism. I. Further evidence for compartmentation of adenine nucleotides in cardiac myofibrillar and sarcolemmal coupled ATPase-creatine kinase systems. Saks VA, et al. **Biochim Biophys Acta** 1984 Apr 16;803(4):254–64

The H+/ATP transport ratio of the (K+ + H+)-ATPase of pig gastric membrane vesicles. Skrabanja AT, et al. **Biochim Biophys Acta** 1984 Jul 11;774(1):91–5

Calcium and proton dependence of sarcoplasmic reticulum ATPase. Inesi G, et al. **Biophys J** 1983 Nov;44(2):271–80

The kinetic properties of the ecto-ATPase of human peripheral blood lymphocytes and of chronic lymphatic leukemia cells. Gutmann HR, et al. **Blood** 1983 Nov; 62(5):1041–6

Myofibrillar ATPase activity of lateral muscle from the catfish and mullet. Carpenè E, et al. **Boll Soc Ital Biol Sper** 1984 Jan 30;60(1):99–105

Dose-dependent promoting effect of polychlorinated biphenyls on enzyme-altered islands in livers of adult and weanling rats. Oesterle D, et al. **Carcinogenesis** 1984 Mar; 5(3):351–5

Effect of chronic digoxin treatment on cardiac function, electrolytes and ATPase in failing heart due to pressure overload. O'Neil CL, et al. **Cardiovasc Res** 1984 Aug; 18(8):502–10

Is there any connection between heat inactivation of spectrin-dependent ATPase and loss of smooth biconcave shape of red cells? Mirčevová L, et al. **Cell Biochem Funct** 1983 Oct;1(3):145–6

Succinic-D and myofibrillar ATP-A in the denervated gastrocnemius muscle of young, adult and middle-aged albino rats (Rattus norvegicus): a correlative histochemical and biochemical study. Talesara CL, et al. **Cell Mol Biol** 1983;29(6):531–7

Relocalization of membrane enzymes accompanies biliary atresia in lamprey liver. Sidon EW, et al. **Cell Tissue Res** 1984;236(1):81–6

Activation of contraction and ATPase activity in intact and chemically skinned smooth muscle of rat portal vein. Dependence on Ca++ and muscle length. Arner A, et al. **Circ Res** 1983 Nov;53(5):695–702

Separation by velocity sedimentation of the gill epithelial cells and their ATPases activities in the seawater adapted eel Anguilla anguilla L. Naon R, et al. **Comp Biochem Physiol [A]** 1983;75(4):541–7

An ecto-ATPase of thyroidal cell membrane. Yoshimura Y, et al. **Endocrinol Jpn** 1983 Dec;30(6):769–75

Fructose feeding increases Ca++-activated myosin ATPase activity and changes myosin isoenzyme distribution in the diabetic rat heart. Dillmann WH. **Endocrinology** 1984 May; 114(5):1678–85

Secretory granule growth hormone and prolactin release: independence from granule membrane ATPase. Lorenson MY, et al. **Endocrinology** 1984 Mar;114(3):717–24

Functional aspects of Escherichia coli rep helicase in unwinding and replication of DNA. Bäumel I, et al. **Eur J Biochem** 1984 Jan 16;138(2):247–51

The variable relation between myosin light-chain phosphorylation and actin-activated ATPase activity in chicken gizzard smooth muscle. Modulation by tropomyosin. Merkel L, et al. **Eur J Biochem** 1984 Feb 1;138(3):429–34

The stoichiometry of proton translocation through H+-ATPase of rat-liver mitochondria. Sholtz KF, et al. **Eur J Biochem** 1983 Oct 17;136(1):129–34

Characterization of the vacuolar ATPase activity of the crassulacean-acid-metabolism plant Kalanchoë daigremontiana. Receptor modulating. Smith JA, et al. **Eur J Biochem** 1984 Jun 1;141(2):415–20

Characterization of reconstituted ATPase complex proteoliposomes prepared from the thermophilic cyanobacterium Synechococcus 6716. van Walraven HS, et al. **Eur J Biochem** 1983 Dec 1;137(1–2):101–6

Skinned smooth muscle: time course of force and ATPase activity during contraction cycle. Güth K, et al. **Experientia** 1984 Feb 15;40(2):174–6

Coupling factor B involvement in the inhibition of Pi-ATP exchange activity by N-ethylmaleimide. Hughes J, et al. **FEBS Lett** 1983 Mar 21;153(2):441–6

Lack of ability of trypsin-treated mitochondrial F1-ATPase to bind the oligomycin-sensitivity conferring protein (OSCP). Hundal T, et al. **FEBS Lett** 1983 Oct 3;162(1):5–10

Catalytic properties of the ATPase on submitochondrial particles after exchange of tightly bound nucleotides under different steady state conditions. Myers JA, et al. **FEBS Lett** 1983 Oct 17;162(2):277–81

DNA polymerase accessory proteins in mammalian cells. Biamonti G, et al. **Folia Biol (Praha)** 1984;30 Spec No:83–92

Changes of enzyme activities recognized in lymphocytes from patients with carcinoma of the gastrointestinal tract. Kitsuta T, et al. **Gastroenterol Jpn** 1983 Aug;18(4):365–71

Dantrolene and calcium uptake by the sarcoplasmic reticulum of malignant hyperpyrexia-susceptible pigs. White MD, et al. **Gen Pharmacol** 1984;15(2):129–32

pH lability of myosin ATPase activity permits discrimination of different muscle fibre types in crustaceans. Maier L, et al. **Histochemistry** 1984;81(1):75–7

Influence of ionic composition, buffering agent, and pH on the histochemical demonstration of myofibrillar actomyosin ATPase. Matoba H, et al. **Histochemistry** 1984;80(6):609–14

Rat extraocular muscle. 3. Histochemical variability along the length of multiply-innervated fibers of the orbital surface layer. Pachter BR. **Histochemistry** 1984;80(6):535–8

Calcium transport mechanism in crayfish gastrolith epithelium correlated with the molting cycle. II. Cytochemical demonstration of Ca2+-ATPase and Mg2+-ATPase. Ueno M, et al. **Histochemistry** 1984; 80(3):213–7

Neutron small angle scattering of matched proteoliposomes with incorporated F0F1 ATPase complex from Rhodospirillum rubrum FR1. An approach to the structure of membrane proteins in their natural environment. Nawroth T, et al. **Hoppe Seylers Z Physiol Chem** 1983 Aug;364(8):923–31

(Ca2+ or Mg2+)-ATPase in lung lamellar bodies. Gupta RP, et al. **Indian J Biochem Biophys** 1983 Dec;20(6):381–5

Histochemical & biochemical changes in succinate dehydrogenase myofibrillar-ATPase activities during heterotopic autotransplantation of EDL into gastrocnemius muscle in the adult albino rat Rattus norvegicus. Mahant P, et al. **Indian J Exp Biol** 1983 Dec;21(12):670–3

Histochemical & biochemical changes in succinate dehydrogenase & myofibrillar-ATPase activities after syngeneic homografting of minced gastrocnemius muscle in the young & adult albino rat Rattus norvegicus. Talesara CL, et al. **Indian J Exp Biol** 1983 Dec;21(12):659–64

Effect of reserpine on acetylcholinesterase & adenosine triphosphatase activities in rat. Gandhi VC, et al. **Indian J Med Res** 1984 Feb;79:277–83

Myofibril ATPase activity of cardiac and skeletal muscle of exhaustively exercised rats. Belcastro AN, et al. **Int J Biochem** 1984;16(3):297–303

Effect of gamma radiation on enzymatic activity and sulphydryl groups of human erythrocyte membrane. Palecz D, et al. **Int J Radiat Biol** 1983 Sep;44(3):293–9

ATPases in mitotic spindles. Pratt MM. **Int Rev Cytol** 1984; 87:83–105 (149 ref.)

Na,K-ATPase in simulated eye bank and cryoextracted rabbit lenses, and human eye bank lenses and cataracts. Paterson CA, et al. **Invest Ophthalmol Vis Sci** 1983 Nov; 24(11):1534–8

Interrelationships of contraction time, Vmax, and myosin ATPase after spinal transection. Roy RR, et al. **J Appl Physiol** 1984 Jun;56(6):1594–601

Sodium-stimulated ATPase in Streptococcus faecalis. Kinoshita N, et al. **J Bacteriol** 1984 Jun;158(3):844–8

A new model of proton motive ATP synthesis: acid–base cluster hypothesis. Kagawa Y. **J Biochem (Tokyo)** 1984 Jan;95(1):295–8

Proton translocating ATPase in lysosomal membrane ghosts. Evidence that alkaline Mg2+-ATPase acts as a proton pump. Moriyama Y, et al. **J Biochem (Tokyo)** 1984 Apr; 95(4):995–1007

The pH-dependency of myosin ATPases from yellowtail ordinary and dark muscles. Watabe S, et al. **J Biochem (Tokyo)** 1983 Dec;94(6):1867–75

Alterations in the structure of the ribose moiety of ATP reduce its effectiveness as a substrate for the sarcoplasmic reticulum ATPase. Anderson KW, et al. **J Biol Chem** 1983 Dec 10;258(23):14276–8

The effect of acidic pH on the ATPase activity and troponin Ca2+ binding of rabbit skeletal myofilaments. Blanchard EM, et al. **J Biol Chem** 1984 Mar 10;259(5):3181–6

Kinetic evidence for interacting active sites in the Neurospora crassa plasma membrane ATPase. Bowman BJ. **J Biol Chem** 1983 Nov 10;258(21):13002–7

Comparison of the vacuolar membrane ATPase of Neurospora crassa with the mitochondrial and plasma membrane ATPases. Bowman EJ. **J Biol Chem** 1983 Dec 25;258(24):15238–44

Regulation of molluscan actomyosin ATPase activity. Chalovich JM, et al. **J Biol Chem** 1984 Feb 25; 259(4):2617–21

A comparative study of calcium transients by isotopic tracer, metallochromic indicator, and intrinsic fluorescence in sarcoplasmic reticulum ATPase. Fernandez-Belda F, et al. **J Biol Chem** 1984 Aug 10;259(15):9687–98

Characterization of the ATP-dependent proton pump of clathrin-coated vesicles. Forgac M, et al. **J Biol Chem** 1984 Jul 10;259(13):8101–5

Functional importance of the synaptic plasma membrane calcium pump and sodium-calcium exchanger. Gill DL, et al. **J Biol Chem** 1984 Sep 10;259(17):10807–13

The interaction of Escherichia coli replication factor Y with complementary strand origins of DNA replication. Contact points revealed by DNase footprinting and protection from methylation. Greenbaum JH, et al. **J Biol Chem** 1984 Feb 25;259(4):2594–601

RNA-stimulated ATPase activity of eukaryotic initiation factors. Grifo JA, et al. **J Biol Chem** 1984 Jul 10; 259(13):8648–54

Fluorescence decay time measurements of Eu3+-ATP-enzyme complexes. Replacement of the metal hydration water by active site ligands. Gutman M, et al. **J Biol Chem** 1983 Oct 25;258(20):12132–4

Characterization of the Ca2+- or Mg2+-ATPase of transverse tubule membranes isolated from rabbit skeletal muscle. Hidalgo C, et al. **J Biol Chem** 1983 Nov 25; 258(22):13937–45

Interdependence of H+, Ca2+, and Pi (or vanadate) sites in sarcoplasmic reticulum ATPase. Inesi G, et al. **J Biol Chem** 1984 Jan 25;259(2):996–1003

The pathway of ATP hydrolysis by dynein. Kinetics of a presteady state phosphate burst. Johnson KA. **J Biol Chem** 1983 Nov 25;258(22):13825–32

Kinetic evidence for multiple dynein heads: modeling the dissociation reaction. Johnson KA, et al. **J Biol Chem** 1983 Nov 25;258(22):13847–8

Effects of Ca2+ and Mg2+ on the actin-activated ATP hydrolysis by phosphorylated heavy meromyosin from arterial smooth muscle. Kaminski EA, et al. **J Biol Chem** 1984 Jul 25;259(14):9104–8

On the functional role of coupling factor B in the mitochondrial H+ -ATPase. Kantham BC, et al. **J Biol Chem** 1984 Aug 25;259(16):10627–32

Interdependence of factors affecting the actin-activated ATPase activity of myosin II from Acanthamoeba castellanii. Kuznicki J, et al. **J Biol Chem** 1984 Jul 25; 259(14):9302–7

Comparison of the effects of smooth and skeletal tropomyosin on skeletal actomyosin subfragment 1 ATPase. Lehrer SS, et al. **J Biol Chem** 1984 Feb 25;259(4):2070–2

Role of the regulatory light chains in skeletal muscle actomyosin ATPase and in minifilament formation. Margossian SS, et al. **J Biol Chem** 1983 Nov 10; 258(21):13359–69

DNA-dependent nucleoside 5'-triphosphatase activity of the gene 4 protein of bacteriophage T7. Matson SW, et al. **J Biol Chem** 1983 Nov 25;258(22):14009–16

The photoaffinity probe 8-azidoadenosine 5'-triphosphate selectively labels the heavy chain of Chlamydomonas 12 S dynein. Pfister KK, et al. **J Biol Chem** 1984 Jul 10; 259(13):8499–504

Delta pH, H+ diffusion potentials, and Mg2+ ATPase in neurosecretory vesicles isolated from bovine neurohypophyses. Russell JT. **J Biol Chem** 1984 Aug 10; 259(15):9496–507

Isolation of microtubules and a dynein-like MgATPase from unfertilized sea urchin eggs. Scholey JM, et al. **J Biol Chem** 1984 May 25;259(10):6516–25

Resolution of 5-oxo-L-prolinase into a 5-oxo-L-proline-dependent ATPase and a coupling protein. Seddon AP, et al. **J Biol Chem** 1984 Jul 10; 259(13):8091–4

Effect of divalent cation bound to the ATPase of sarcoplasmic reticulum. Activation of phosphoenzyme hydrolysis by Mg2+. Shigekawa M, et al. **J Biol Chem** 1983 Dec 10;258(23):14157–61

Kinetic evidence for multiple dynein ATPase sites. Shimizu T, et al. **J Biol Chem** 1983 Nov 25;258(22):13841–6

Activation of actin-activated ATPase in smooth muscle by phosphorylation of myosin light chain with protease-activated kinase I. Tuazon PT, et al. **J Biol Chem** 1984 Jan 10;259(1):541–6

Calcium-sensitive modulation of the actomyosin ATPase by fodrin. Wagner PD. **J Biol Chem** 1984 May 25; 259(10):6306–10

Role of divalent cation bound to phosphoenzyme intermediate of sarcoplasmic reticulum ATPase. Wakabayashi S, et al. **J Biol Chem** 1984 Apr 10; 259(7):4427–36

Regulation of actomyosin ATPase by a single calcium-binding site on troponin C from crayfish. Wnuk W, et al. **J Biol Chem** 1984 Jul 25;259(14):9017–23

Dissociation of clathrin coats coupled to the hydrolysis of ATP: role of an uncoating ATPase. Braell WA, et al. **J Cell Biol** 1984 Aug;99(2):734–41

Golgi membranes contain an electrogenic H+ pump in parallel to a chloride conductance. Glickman J, et al. **J Cell Biol** 1983 Oct;97(4):1303–8

Monoclonal antibodies to dynein subunits reveal the existence of cytoplasmic antigens in sea urchin egg. Piperno G. **J Cell Biol** 1984 May;98(5):1842–50

DNA-dependent ATPases in Bacillus subtilis mutants and in competent cells. Mazza G, et al. **J Gen Microbiol** 1984 Jan;130 (Pt 1):113–7

Purine metabolizing enzymes as predictors of lymphoblast sensitivity to deoxyadenosine. Mitchell BS, et al. **J Lab Clin Med** 1984 Sep;104(3):414–24

ATPase activity and force production in myofibrils and twitch characteristics in intact muscle from neonatal, adult, and senescent rat myocardium. Bhatnagar GM, et al. **J Mol Cell Cardiol** 1984 Mar;16(3):203–18

Myosin phosphorylation decreases the ATPase activity of cardiac myofibrils. Franks K, et al. **J Mol Cell Cardiol** 1984 Jul;16(7):597–604

Phospholamban and calciductin. Katz AM, et al. **J Mol Cell Cardiol** 1983 Dec;15(12):795–7

Regulation of calcium transport by the ATPase-phospholamban system. Tada M, et al. **J Mol Cell Cardiol** 1983 Sep;15(9):565–75 (64 ref.)

Myosin isozymes in avian skeletal muscles. I. Sequential expression of myosin isozymes in developing chicken pectoralis muscles. Lowey S, et al. **J Muscle Res Cell Motil** 1983 Dec;4(6):695–716

Characterization of calcium-activated and magnesium-activated ATPases of brain nerve endings. Lin SC, et al. **J Neurochem** 1984 Jun;42(6):1697–706

Genetic study of cationic ATPase activities and audiogenic seizure susceptibility in recombinant inbred and congenic strains of mice. Palayoor ST, et al. **J Neurochem** 1984 Feb; 42(2):529–33

The histochemistry of very small muscle fibres in growing skeletal muscles. Swatland HJ. **J Neurol Sci** 1983 Oct–Nov; 61(3):435–42

Effect of dietary fat level and polyunsaturated fatty acid content on the phospholipid composition of rat cardiac mitochondrial membranes and mitochondrial ATPase activity. Roeblee NM, et al. **J Nutr** 1984 Feb;114(2):263–9

Localization of a Mg2+-activated ATPase in the plasma membrane of Trypanosoma cruzi. Meirelles MN, et al. **J Protozool** 1984 Feb;31(1):135–40

Changes in cardiac myofibrillar ATPase activity during development of hyperthyroidism in the rabbit. Takeo S,

et al. **Jpn Heart J** 1984 Jan;25(1):113–25
Ecto–adenosine triphosphatase activity at the cholinergic nerve endings of the Torpedo electric organ. Keller F, et al. **Life Sci** 1983 Dec 26;33(26):2635–41
Does mitochondrial ATP synthesis decline as a function of change in the membrane environment with ageing. Clandinin MT, et al. **Mech Ageing Dev** 1983 Jul–Aug; 22(3–4):205–8
Age–dependent alterations of microtubule–associated enzyme activities from bovine brain (protein kinase, adenosine triphosphatase, guanosine triphosphatase). Schröder HC, et al. **Mech Ageing Dev** 1983 May;22(1):35–50
Escherichia coli uvrD mutants with thermosensitive DNA–dependent adenosine triphosphatase I (helicase II). Richet E, et al. **MGG** 1983;192(3):378–85
Hormonal influences on cardiac myosin ATPase activity and myosin isoenzyme distribution. Dillmann WH. **Mol Cell Endocrinol** 1984 Mar;34(3):169–81 (74 ref.)
Double staining of the muscle fibers and interstitial tissue components for automatic analysis of muscle biopsies. Hantaï D, et al. **Muscle Nerve** 1984 Feb;7(2):91–3
Increases in myofibrillar ATPase intermediate human skeletal muscle fibers in response to endurance training. Schantz P, et al. **Muscle Nerve** 1983 Oct;6(8):553–6
Reduced Langerhans' cell Ia antigen and ATPase activity in patients with the acquired immunodeficiency syndrome. Belsito DV, et al. **N Engl J Med** 1984 May 17; 310(20):1279–82
Characterization of detergent–solubilized adenosine triphosphatase of chromaffin granule membranes. Apps DK, et al. **Neuroscience** 1983 Jul;9(3):687–700
ATPase activity and calcium uptake of microsomes isolated from stomach smooth muscle after exposure to phospholipase C. Sakai Y, et al. **Nippon Heikatsukin Gakkai Zasshi** 1982 Nov;18(5):339–45
Effects of the stilbene derivatives SITS and DIDS on intestinal ATPase activities. Faelli A, et al. **Pharmacol Res Commun** 1984 Apr;16(4):339–50
Effects of vitamin D3 deficiency on adenosine triphosphatase activity of jejunums from white Leghorn hens. Grunder AA, et al. **Poult Sci** 1984 May;63(5):1073–5
Evidence for the involvement of coupling factor B in the H+ channel of the mitochondrial H+–ATPase. Sanadi DR, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(5):1371–4
Clathrin–coated vesicles from rat liver: enzymatic profile and characterization of ATP–dependent proton transport. Van Dyke RW, et al. **Proc Natl Acad Sci USA** 1984 May; 81(10):3108–12
The dnaK protein of Escherichia coli possesses an ATPase and autophosphorylating activity and is essential in an in vitro DNA replication system. Zylicz M, et al. **Proc Natl Acad Sci USA** 1983 Nov;80(21):6431–5
Nature and mode of action of vaccinia virus products that block activation of the interferon–mediated ppp(A2'p)nA–synthetase. Paez E, et al. **Virology** 1984 Apr 15;134(1):29–39
[Na+–ATPase in the gills of bass (Dicentrarchus labrax)] Borgatti AR, et al. **Boll Soc Ital Biol Sper** 1984 Jan 30; 60(1):115–21 (Eng. Abstr.) **(Ita)**
[Myosin B ATPase activity of the intestinal smooth muscle in intestinal obstruction] Takamatsu H. **Nippon Geka Gakkai Zasshi** 1983 Jun;84(6):556–63 (Eng. Abstr.) **(Jpn)**
[Identification of Fe2+ dependent ATPase in whole particulate suspension of the rat intestinal mucosa] Hirai Y. **Nippon Ika Daigaku Zasshi** 1984 Apr;51(2):240–52 (Eng. Abstr.) **(Jpn)**
[Effect of physico–chemical factors on anion–sensitive ATPase activity] Ivashchenko AT, et al. **Biofizika** 1984 Jan–Feb;29(1):83–7 (Eng. Abstr.) **(Rus)**
[The effect of respiration substrates on the ATPase activity of uncoupled mitochondria] Malenkova IV. **Biofizika** 1984 Mar–Apr;29(2):329–30 (Eng. Abstr.) **(Rus)**
[The role of ATPase subunits from E. coli in hydrogen–potassium exchange] Martirosov SM, et al. **Biofizika** 1984 Mar–Apr;29(2):255–8 (Eng. Abstr.) **(Rus)**
[Mechanism of glycerol and methanol action on soluble ATPase of mitochondria] Ivashchenko AT, et al. **Biokhimiia** 1983 Aug;48(8):1256–60 (Eng. Abstr.) **(Rus)**
[Study of dynein ATPase by oxygen isotope exchange H2(18)O in equilibrium with [16O]–Pi] Kuleva NV, et al. **Biokhimiia** 1983 Oct;48(10):1691–6 (Eng. Abstr.) **(Rus)**
[Regulation of ion transport in mitochondria by respiratory chain enzymes and ATPase] Novgorodov SA, et al. **Biokhimiia** 1984 Feb;49(2):185–92 (Eng. Abstr.) **(Rus)**
[Histochemical characteristics of transport ATPase in human brain capillaries] Chertok VM. **Biull Eksp Biol Med** 1984 Mar;97(3):375–7 (Eng. Abstr.) **(Rus)**
[Effect of phospholipase A on the ATPase systems of the subcellular fractions of the brain] Flerov MA, et al. **Nerv Sist** 1982;23:91–5 **(Rus)**
[Correlation between the ATPase activity of the mammary gland and the level of functional activity of the thyroid gland during different periods of pregnancy and lactation] Otarova DD, et al. **Nerv Sist** 1983;24:85–9 (23 ref.) **(Rus)**
[Effect of small doses of gamma radiation on the activity of marker enzymes in the plasma membranes of chick embryo liver] Khamidov DKh, et al. **Radiobiologiia** 1984 May–Jun;24(3):350–2 (Eng. Abstr.) **(Rus)**
[High energy phosphate compounds and ATPase activity of mitochondria in the brain of rats of different ages] Potapenko RI. **Ukr Biokhim Zh** 1983 Sep–Oct;55(5):563–6 (Eng. Abstr.) **(Rus)**
[Na+, K+ –ATPase: causes of activation of K+ –phosphatase reaction by nucleotides] Svinukhova IA. **Ukr Biokhim Zh** 1983 Jul–Aug;55(4):386–91 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Role of the ATPase of sugar–cane vacuoles in energization of the tonoplast. Thom M, et al. **Eur J Biochem** 1984 Jan 2;138(1):93–9
Mechanism of force production for microtubule–dependent movements. Johnson KA, et al. **J Cell Biol** 1984 Jul;99(1 Pt 2):132s–136s
Cl—stimulated adenosine triphosphatase: existence, location and function. Gerencser GA, et al. **J Exp Biol** 1983 Sep; 106:143–61 (121 ref.)
Potassium ion transport ATPase in insect epithelia. Harvey WR, et al. **J Exp Biol** 1983 Sep;106:91–117 (91 ref.)

RADIATION EFFECTS

Inactivation of mitochondrial ATPase by ultraviolet light. Chávez E, et al. **Arch Biochem Biophys** 1984 May 1; 230(2):511–6
[Effect of changes in the lipids of mitochondrial membranes on the activity of Mg2+–dependent ATPase] Burlakova EB, et al. **Radiobiologiia** 1984 Jul–Aug;24(4):505–8 (Eng. Abstr.) **(Rus)**
[Changes in the mitochondrial ATPase activity of liver cells after X–ray irradiation] Li T, et al. **Radiobiologiia** 1984 Jul–Aug;24(4):514–6 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

[Substituted benzimidazole, inhibiting substance of K+/H+ ATPase of parietal cells—a new principle in the treatment of peptic ulcer] Sewing KF. **Internist (Berlin)** 1983 Dec; 24(12):680–3 **(Ger)**

ADENOSINE TRIPHOSPHATASE, CALCIUM

The primary structure of the calcium–transporting adenosine triphosphatase of rabbit skeletal sarcoplasmic reticulum. Soluble tryptic peptides from the succinylated carboxymethylated protein. Allen G. **Biochem J** 1980 Jun 1;187(3):545–63
The primary structure of the calcium ion–transporting adenosine triphosphatase protein of rabbit skeletal sarcoplasmic reticulum. Peptides derived from digestion with cyanogen bromide, and the sequences of three long extramembranous segments. Allen G, et al. **Biochem J** 1980 Jun 1;187(3):591–616
Primary structure of the calcium ion–transporting adenosine triphosphatase of rabbit skeletal sarcoplasmic reticulum. Soluble peptides from the alpha–chymotryptic digest of the carboxymethylated protein. Allen G. **Biochem J** 1980 Jun 1;187(3):565–75
Primary structure of the calcium ion–transporting adenosine triphosphatase from rabbit skeletal sarcoplasmic reticulum. Some peptic, thermolytic, tryptic and staphylococcal–proteinase peptides. Allen G, et al. **Biochem J** 1980 Jun 1;187(3):577–89
Structure of the vanadate–induced crystals of sarcoplasmic reticulum Ca2+–ATPase. Taylor K, et al. **J Mol Biol** 1984 Mar 25;174(1):193–204
The structure of the Ca2+ ATPase as revealed by electron microscopy and image processing of ordered arrays. Buhle EL Jr, et al. **J Ultrastruct Res** 1983 Nov;85(2):186–203
Sequence homology between two membrane transport ATPases, the Kdp–ATPase of Escherichia coli and the Ca2+–ATPase of sarcoplasmic reticulum. Hesse JE, et al. **Proc Natl Acad Sci USA** 1984 Aug;81(15):4746–50

ANALYSIS

Comparison of high affinity Ca2+–ATPase and low affinity Ca2+–ATPase in rat liver plasma membranes. Iwasa T, et al. **Arch Int Pharmacodyn Ther** 1983 Jul;264(1):40–58
Two populations of phospholipids exist in sarcoplasmic reticulum and in recombined membranes containing Ca–ATPase. Selinsky BS, et al. **Biochemistry** 1984 May 8;23(10):2281–8
Ultracytochemical localization of Ca++–ATPase activity in the paraphyseal epithelial cells of the frog, Rana esculenta. Ueno S, et al. **Cell Tissue Res** 1984;235(1):3–11
Localization of an intracellular membrane–bound Ca2+–ATPase in PtK–cells using immunofluorescence techniques. Petzelt C. **Eur J Cell Biol** 1984 Jan;33(1):55–9
Decreased platelet aggregation, Ca2+ and Mg2+ ATPase and platelet factor 3 activities in patients with Wilson disease. Cohen AM, et al. **Haematologica (Pavia)** 1984 May–Jun;69(3):263–71
Localization of ATPases in retinal receptor cells. Ueno S, et al. **Ophthalmic Res** 1984;16(1–2):15–20
[Change in the molecular properties of sarcoplasmic reticulum Ca–ATPase during modification of the membranes with cholesterol] Stoĭda LV. **Biull Eksp Biol Med** 1983 Oct;96(10):38–40 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Selective inhibition of adenosine triphosphatase from plasma membranes of cultured endothelial cells by calcium antagonists. Ohtsu Y, et al. **Biochem Int** 1984 Apr; 8(4):507–11
A kinetic study of the interaction of vanadate with the Ca2+ + Mg2+–dependent ATPase from sarcoplasmic reticulum. Ortiz A, et al. **Biochem J** 1984 Jul 1; 221(1):213–22
A protein modulator of erythrocyte membrane (Ca2+ + Mg2+)–ATPase inhibitor protein. Au KS, et al. **Biochim Biophys Acta** 1984 Jan 31;784(2–3):108–15
Evidence for the involvement of (Cu–ATP)2– in the inhibition of human erythrocyte (Ca2+ + Mg2+)–ATPase by copper. Tallineau C, et al. **Biochim Biophys Acta** 1984 Aug 8;775(1):51–6
Inhibition of Ca2+–dependent protein kinase and Ca2+/Mg2+–ATPase in cardiac sarcolemma by the anti–calmodulin drug calmidazolium. Lamers JM, et al. **Cell Calcium** 1983 Oct;4(4):281–94
Ca2+ ATPase inhibition in trout gill microsomes following in vitro and in vivo treatments with 2,4,5.T. Thébault MT, et al. **Comp Biochem Physiol [C]** 1983;75(2):369–72
Regulation of Ca2+–Mg2+–ATPase activity in hepatocyte plasma membranes by vasopressin and phenylephrine. Lin SH, et al. **Endocrinology** 1983 Dec;113(6):2268–75
Inhibition of skeletal muscle sarcoplasmic reticulum CaATPase activity by calmidazolium. Anderson KW, et al. **J Biol Chem** 1984 Sep 25;259(18):11487–90
Inhibition by glucagon of the calcium pump in liver plasma membranes. Lotersztajn S, et al. **J Biol Chem** 1984 Jul 10; 259(13):8195–201
An analysis of biphasic time courses: the inactivation of (Na+ + K+)–ATPase and Ca2+–ATPase by ATP–analogs. Fritzsch G, et al. **J Theor Biol** 1983 Jun 21;102(4):469–76
Inhibition by chlorpromazine, metals and l–ascorbic acid of calcium–ATPase and magnesium–ATPase in bovine adrenal medullary microsomes. Yamanaka K, et al. **Jpn J Pharmacol** 1984 Apr;34(4):447–55
Intoxication by benzodiazepines: studies with diazepam used as a model compound suggest an interaction with red blood cells calmodulin dependent (Ca2+, Mg2+) ATPase. Barriere M, et al. **Toxicol Lett** 1983 Dec;19(3):287–91
[Effect of phenothiazines on Ca–ATPase in the sarcoplasmic reticulum of rabbit skeletal muscles] Prokop'eva VD, et al. **Biull Eksp Biol Med** 1984 Apr;97(4):434–5 (Eng. Abstr.) **(Rus)**

BLOOD

The molecular weight of the calcium–transport–ATPase of the human red blood cell determined by radiation inactivation. Minocherhomjee AM, et al. **Biochem Biophys Res Commun** 1983 Nov 15;116(3):895–900
Myotonic dystrophy: fragility of band 3 membrane protein upon resealing of erythrocyte ghosts and the normality of ATPase activity, sialic acid content, and spectrin extractability of ghosts. Tsuchiya Y, et al. **Biochem Med** 1983 Dec;30(3):271–9
ATP synthesis catalyzed by the purified erythrocyte Ca–ATPase in the absence of calcium gradients. Chiesi M, et al. **Biochemistry** 1984 Jun 5;23(12):2595–600
Variations in (Ca2+ + Mg2+)–ATPase, its inhibitor protein and calmodulin of density (age) separated rabbit erythrocytes. Au KS, et al. **Biochim Biophys Acta** 1983 Dec 27;761(3):291–5
Calmodulin and the target size of the (Ca2+ + Mg2+)–ATPase of human red–cell ghosts. Cavieres JD. **Biochim Biophys Acta** 1984 Apr 11;771(2):241–4
The phospholipid requirement of the (Ca2+ + Mg2+)–ATPase from human platelets. De Metz M, et al. **Biochim Biophys Acta** 1984 Mar 14;770(2):159–65
Effect of trifluoperazine, compound 48/80, TMB–8 and verapamil on the rate of calmodulin binding to erythrocyte Ca2+–ATPase. Scharff O, et al. **Biochim Biophys Acta** 1984 Apr 25;772(1):29–36
Endogenous calmodulin and Ca2+–ATPase activity of human erythrocyte membranes. Wetzker R, et al. **Biomed Biochim Acta** 1983;42(11–12):S63–6
Kinetic alterations of the divalent cation–dependent ATPase activities of human erythrocyte membranes induced by blocking the membrane amino groups. Scutari G, et al. **Boll Soc Ital Biol Sper** 1983 Oct 30;59(10):1391–7
Relation between Ca2+–ATPase and endogenous calmodulin of human erythrocyte membranes. Klinger R, et al. **Cell Calcium** 1984 Apr;5(2):167–75
Characterization of a (Ca2+ + Mg2+)–ATPase activator bound to human erythrocyte membranes. Roufogalis BD, et al. **Cell Calcium** 1984 Feb;5(1):77–88
Red cell membrane Ca–ATPase in cystic fibrosis: increased activation by Na. Clough DL, et al. **Clin Chim Acta** 1984 Apr 27;138(3):259–65
Different conformational states of the purified Ca2+–ATPase of the erythrocyte plasma membrane revealed by controlled trypsin proteolysis. Benaim G, et al. **J Biol Chem** 1984 Jul 10;259(13):8471–7
Stimulation by thyroid hormone analogues of red blood cell Ca2+–ATPase activity in vitro. Correlations between hormone structure and biological activity in a human cell system. Davis FB, et al. **J Biol Chem** 1983 Oct 25; 258(20):12373–7
Ca2+–stimulated, Mg2+–dependent ATPase activity in

neutrophil plasma membrane vesicles. Coupling to Ca2+ transport. Ochs DL, et al. **J Biol Chem** 1984 Jan 10; 259(1):102–6

Controlled proteolysis of the purified Ca2+–ATPase of the erythrocyte membrane. A correlation between the structure and the function of the enzyme. Zurini M, et al. **J Biol Chem** 1984 Jan 10;259(1):618–27

Erythrocyte (Ca2+ + Mg2+)-ATPase activity and calcium homeostasis in Duchenne muscular dystrophy. Shalev RS, et al. **J Neurol Sci** 1984 Mar;63(3):325–30

Effect of end-stage renal disease on responsiveness to calmodulin and thyroid hormone of calcium–ATPase in human red blood cells. Nieman LK, et al. **Kidney Int [Suppl]** 1983 Dec;16:S167–70

[Biological assay of negative inotropic agents contained in the plasma using the excitation–contraction coupling mechanism] Utsunomiya T, et al. **Kokyu To Junkan** 1983 Jun;31(6):679–83 (Eng. Abstr.) **(Jpn)**

GENETICS

Mechanisms of integration of de novo–synthesized polypeptides into membranes: signal–recognition particle is required for integration into microsomal membranes of calcium ATPase and of lens MP26 but not of cytochrome b5. Anderson DJ, et al. **Proc Natl Acad Sci USA** 1983 Dec; 80(23):7249–53

IMMUNOLOGY

Generation, characterization and ELISA of monospecific antibodies against the subunits of a Ca2+–dependent protein kinase and a Ca2+–transport ATPase from rabbit skeletal muscle. Böhm H, et al. **J Immunol Methods** 1984 May 25;70(2):193–209

ISOLATION & PURIFICATION

Partial purification and characterization of the (Ca2+ + Mg2+)-ATPase from squid optic nerve plasma membrane. Condrescu M, et al. **Biochim Biophys Acta** 1984 Jan 11; 769(1):261–9

Purification and characterization of ATP–dependent calcium pumps from synaptosomes. Goldin SM, et al. **Cold Spring Harbor Symp Quant Biol** 1983;48 Pt 1:287–95

Purification and reconstitution of a Ca2+ pump from human platelets. Dean WL. **J Biol Chem** 1984 Jun 10; 259(11):7343–8

Target size of calcium pump protein from skeletal muscle sarcoplasmic reticulum. Hymel L, et al. **J Biol Chem** 1984 Apr 25;259(8):4890–5

Purification of a low affinity Mg2+ (Ca2+)-ATPase from the plasma membranes of a human oat cell carcinoma. Knowles AF, et al. **J Biol Chem** 1984 Sep 10; 259(17):10919–24

Purification of (Ca2+–Mg2+)-ATPase from rat liver plasma membranes. Lin SH, et al. **J Biol Chem** 1984 Mar 10; 259(5):3016–20

Solubilization and separation of divalent cation dependent adenosinetriphosphatase in native gradient polyacrylamide slab gel. Nagy A, et al. **J Neurosci Methods** 1983 Sep; 9(1):57–64

METABOLISM

Properties of a phosphorylated intermediate of the Ca,Mg–activated ATPase of microsomal vesicles from uterine smooth muscle. Carsten ME, et al. **Arch Biochem Biophys** 1984 Aug 1;232(2):616–23

A high–affinity, calmodulin–sensitive (Ca2+ + Mg2+)–ATPase and associated calcium–transport pump in the Ehrlich ascites tumor cell plasma membrane. Klaven NB, et al. **Arch Biochem Biophys** 1983 Oct 15;226(2):618–28

Rabbit myocardial membrane Ca2+–adenosine triphosphatase activity: stimulation in vitro by thyroid hormone. Rudinger A, et al. **Arch Biochem Biophys** 1984 Feb 15;229(1):379–85

The effect of phenothiazines on Ca2+ fluxes in skeletal muscle sarcoplasmic reticulum. Volpe P, et al. **Arch Biochem Biophys** 1984 Aug 15;233(1):174–9

Sensitivity of RBC membrane Ca2+–adenosine triphosphatase to calmodulin stimulation. Variations in patients with bipolar affective disorders. MacDonald E, et al. **Arch Gen Psychiatry** 1984 May;41(5):487–93

Evidence for the presence of ATP–dependent calcium pump and ATPase activities in bull sperm head membranes. Breitbart H, et al. **Biochem Biophys Res Commun** 1984 Jul 31;122(2):479–84

The modulation of Ca–ATPase activity and protein–lipid interactions in the sarcoplasmic reticulum by ATP. Boldyrev A, et al. **Biochem Int** 1983 Mar;6(3):297–305

Altered property of sarcoplasmic Ca–ATPase from vitamin E–deficient dystrophic rabbit is associated with the protein and not the lipid component. Patipaporn K, et al. **Biochem Int** 1983 Mar;6(3):335–8

The influence of phenothiazines on the sarcoplasmic reticulum Ca–ATPase from skeletal and cardiac muscles. Prokopjeva VD, et al. **Biochem Int** 1984 Jun;8(6):843–50

Azidocalmodulin derivatives. Activation of, and binding to, three target proteins: aorta myosin light–chain kinase, erythrocyte (Mg2+ + Ca2+)–dependent ATPase and cardiac sarcoplasmic–reticulum kinase. Molla A, et al. **Biochem J** 1983 Dec 1;215(3):475–82

Effects of ethanol and barbiturates on Ca2+–ATPase activity of erythrocyte and brain membranes. Yamamoto HA, et al. **Biochem Pharmacol** 1983 Sep 15;32(18):2787–91

Effects of nonsolubilizing and solubilizing concentrations of Triton X–100 on Ca2+ binding and Ca2+–ATPase activity of sarcoplasmic reticulum. McIntosh DB, et al. **Biochemistry** 1984 Apr 24;23(9):1959–65

Effect of lipid composition on the calcium/adenosine 5'–triphosphate coupling ratio of the Ca2+–ATPase of sarcoplasmic reticulum. Navarro J, et al. **Biochemistry** 1984 Jan 3;23(1):130–5

Calmodulin stimulates both adenosine 5'–triphosphate hydrolysis and synthesis catalyzed by a cardiac calcium ion dependent adenosinetriphosphatase. Oliva JM, et al. **Biochemistry** 1983 Dec 6;22(25):5822–5

Competition between cholesterol and phosphatidylcholine for the hydrophobic surface of sarcoplasmic reticulum Ca2+–ATPase. Silvius JR, et al. **Biochemistry** 1984 Jan 31;23(3):538–47

Interactions of cholesterol hemisuccinate with phospholipids and (Ca2+–Mg2+)–ATPase. Simmonds AC, et al. **Biochemistry** 1984 Mar 27;23(7):1432–41

The rate of Ca2+ translocation by sarcoplasmic reticulum (Ca2+ + Mg2+)–ATPase measured with intravesicular arsenazo III. Beeler T, et al. **Biochim Biophys Acta** 1984 Jun 13;773(1):99–105

Ligand binding properties of the sarcoplasmic reticulum (Ca2+ + Mg2+)–ATPase labelled with N–cyclohexyl–N'–(4–dimethylamino–alpha–naphthyl)carb Chadwick CC, et al. **Biochim Biophys Acta** 1984 Jan 25; 769(2):291–6

Tissue levels and purification by affinity chromatography of the calmodulin–stimulated Ca2+ –transport ATPase in pig antrum smooth muscle. De Schutter G, et al. **Biochim Biophys Acta** 1984 Jun 13;773(1):1–10

Ca2+– or Mg2+–dependent ATPase in plasma membrane of cultured endothelial cells from bovine carotid artery. Hagiwara H, et al. **Biochim Biophys Acta** 1983 Oct 12; 734(2):133–6

Calmodulin regulation of the ATP–dependent calcium uptake by inverted vesicles prepared from rabbit synaptosomal plasma membranes. Hincke MT, et al. **Biochim Biophys Acta** 1984 Apr 11;771(2):188–94

Cholesterol effect on enzyme activity of the sarcolemmal (Ca2+ + Mg2+)–ATPase from cardiac muscle. Ortega A, et al. **Biochim Biophys Acta** 1984 Jun 27;773(2):231–6

Calmodulin X $(Ca2+)_4$ is the active calmodulin–calcium species activating the calcium–, calmodulin–dependent protein kinase of cardiac sarcoplasmic reticulum in the regulation of the calcium pump. Pifl C, et al. **Biochim Biophys Acta** 1984 Jun 27;773(2):197–206

The asymmetric effect of lanthanides on Na+–gradient–dependent Ca2+ transport in synaptic plasma membrane vesicles. Rahamimoff H, et al. **Biochim Biophys Acta** 1984 Jun 27;773(2):279–89

Solvent perturbation evidence for a two–state system regulated by calcium in sarcoplasmic reticulum ATPase. Fronticelli C, et al. **Biophys Chem** 1984 May;19(3):255–8

Unidirectional calcium and nucleotide fluxes in sarcoplasmic reticulum. I. Interpretation of flux ratios for different reaction schemes. Feher JJ. **Biophys J** 1984 Jun; 45(6):1125–33

Undirectional calcium and nucleotide fluxes in cardiac sarcoplasmic reticulum. II. Experimental results. Feher JJ, et al. **Biophys J** 1984 Jun;45(6):1135–44

Calcium transport in and out of brain nerve endings in vitro—the role of synaptosomal plasma membrane Ca2+–ATPase in Ca2+–extrusion. Lin SC, et al. **Brain Res** 1984 Apr 30;298(2):225–34

A high affinity Ca2+–ATPase in enriched nerve–ending plasma membranes. Lin SC, et al. **Brain Res** 1982 Mar 11; 235(2):387–92

Placental calcium and phosphorus transfer in the guinea pig: lack of effect of modulators of Ca–ATPase and alkaline phosphatase activity. McKercher HG, et al. **Can J Physiol Pharmacol** 1983 Nov;61(11):1354–60

Calmodulin–dependent Ca2+–pump ATPase of human smooth muscle sarcolemma. Popescu LM, et al. **Cell Calcium** 1983 Oct;4(4):219–35

Ca2+–dependent phosphatase and ATPase activities in eel gill plasma membranes—I. Identification of Ca2+–activated ATPase activities with non–specific phosphatase activities. Flik G, et al. **Comp Biochem Physiol [B]** 1983;76(4):745–54

Atrial and ventricular myosin during development and senescence of the rat. Syrový I. **Comp Biochem Physiol [B]** 1984;78(1):247–50

Modeling the steady–state behavior of the Ca2+ –Mg2+ –ATPase pump of sarcoplasmic reticulum. Haynes DH, et al. **Comput Biomed Res** 1984 Apr;17(2):143–62

Activator of Ca2+–transport in the lens. Iwata S, et al. **Curr Eye Res** 1984 May;3(5):717–21

The effect of thyroid hormone on the high affinity Ca2+–ATPase in rat liver plasma membrane. Haraguchi K, et al. **Endocrinol Jpn** 1984 Apr;31(2):141–9

Calmodulin content and activity of Ca2+–ATPase and phospholipase A2 in rat Kupffer cells. Birmelin M, et al. **Eur J Biochem** 1984 Apr 2;140(1):55–61

Membrane crystals of Ca2+–ATPase in sarcoplasmic reticulum of fast and slow skeletal and cardiac muscles. Dux L, et al. **Eur J Biochem** 1984 May 15;141(1):43–9

The vanadate complex of the calcium–transport ATPase of the sarcoplasmic reticulum, its formation and dissociation. Medda P, et al. **Eur J Biochem** 1983 Dec 1;137(1–2):7–14

Distinction of the roles of the two high–affinity calcium sites in the functional activities of the Ca2+–ATPase of sarcoplasmic reticulum. Scott TL, et al. **Eur J Biochem** 1984 Sep 3;143(2):427–36

Critical role of sulfhydryl group(s) in ATP–dependent Ca2+ sequestration by the plasma membrane fraction from rat liver. Bellomo G, et al. **FEBS Lett** 1983 Oct 31;163(1):136–9

Ca2+ binding and charge movements in membranes of platelets and sarcoplasmic reticulum. Levitsky DO, et al. **FEBS Lett** 1984 Jun 4;171(1):89–93

The sarcoplasmic reticulum calcium pump. Localization of free energy transfer to discrete steps of the reaction cycle. Tanford C. **FEBS Lett** 1984 Jan 23;166(1):1–7

Effects of vanadate on intracellular Ca2+ redistribution and hexose transport across plasma membrane in cultured mouse fibroblasts. Yamanishi K, et al. **FEBS Lett** 1984 Aug 20;174(1):71–5

Distribution and properties of Ca2+–ATPase, phytase, and alkaline phosphatase in isolated enterocytes from normal and vitamin D–deficient rats. Chan SD, et al. **Gut** 1983 Oct;24(10):886–92

Calcium transport mechanism in crayfish gastrolith epithelium correlated with the molting cycle. II. Cytochemical demonstration of Ca2+–ATPase and Mg2+–ATPase. Ueno M, et al. **Histochemistry** 1984; 80(3):213–7

The effects of lipolytic hormones on calcium uptake in endoplasmic reticulum of adipocytes. Kawai A. **Horm Metab Res** 1983 Nov;15(11):533–8

(Ca2+ or Mg2+)–ATPase in lung lamellar bodies. Gupta RP, et al. **Indian J Biochem Biophys** 1983 Dec;20(6):381–5

ATPase activity of myofibrillar proteins of rohu extracted at temperatures between 15 & 18 degrees C. Rao SB. **Indian J Biochem Biophys** 1983 Apr;20(2):115–7

Differential effect of ultrasonication on the myofibrils (myofibrillar ATPase activity) of normal & experimental muscles of adult albino rat Rattus norvegicus. Mahant P, et al. **Indian J Exp Biol** 1983 Jul;21(7):413–4

Calcium requirements of cardiac myofibril ATPase activity following exhaustive exercise. Belcastro AN, et al. **Int J Biochem** 1984;16(1):93–8

Effects of palmitoyl coenzyme A on rat skeletal muscle sarcoplasmic reticulum. Bindoli A, et al. **Int J Biochem** 1983;15(10):1219–23

Identification of hydrophobic regions of the calcium–transport ATPase from sarcoplasmic reticulum after photochemical labeling with adamantane diazirine. Farley RA. **Int J Biochem** 1983;15(12):1423–7

Vitamin D–mediated decrease of Ca2+–pump activity in the rat parotid gland. Hayakawa M, et al. **Int J Biochem** 1983; 15(9):1175–8

Influence of Ca2+ and substance P on the (Ca Mg) ATPase (EC 3.6.1.3) activity of synaptosomes from different areas of rat brain. Lachowicz L, et al. **Int J Biochem** 1984; 16(3):337–40

ATP inactivates hydrolysis of the K+–sensitive phosphoenzyme of kidney Na+,K+–transport ATPase and activates that of muscle sarcoplasmic reticulum Ca2+–transport ATPase. Fukushima Y, et al. **J Biochem (Tokyo)** 1984 Feb;95(2):359–68

A spin–label and hydrogen–deuterium exchange reaction kinetics study of protein–lipid interactions in lipid–replaced Ca2+–ATPase of rabbit skeletal muscle sarcoplasmic reticulum. Higashi K, et al. **J Biochem (Tokyo)** 1983 Dec; 94(6):1769–79

Conformational change of Ca2+,Mg2+–adenosine triphosphatase of sarcoplasmic reticulum upon binding of Ca2+ and adenyl–5'–yl–imidodiphosphate as detected by trypsin sensitivity analysis. Imamura Y, et al. **J Biochem (Tokyo)** 1984 May;95(5):1305–13

Characterization of Gd3+ and Tb3+ binding sites on Ca2+,Mg2+–adenosine triphosphatase of sarcoplasmic reticulum. Itoh N, et al. **J Biochem (Tokyo)** 1984 Mar; 95(3):661–9

Effect of temperature and added ligands on the susceptibility of Ca2+,Mg2+–adenosine triphosphatase of the sarcoplasmic reticulum to trypsin. Saito K, et al. **J Biochem (Tokyo)** 1984 May;95(5):1297–304

Acetylphosphate–induced Ca2+–Ca2+ exchange that is mediated by (Ca2+,Mg2+)–ATPase in sarcoplasmic reticulum vesicles. Takakuwa Y, et al. **J Biochem (Tokyo)** 1984 Feb;95(2):543–50

Comparative study of the kinetic and structural properties of monomeric and oligomeric forms of sarcoplasmic reticulum ATPase. Yamamoto T, et al. **J Biochem (Tokyo)** 1984 Jun;95(6):1783–91

Energy transfer between fluorescent dyes attached to Ca2+,Mg2+–ATPase in the sarcoplasmic reticulum. Yantorno RE, et al. **J Biochem (Tokyo)** 1983 Oct; 94(4):1137–45

Studies on conformational transitions of Ca2+,Mg2+–adenosine triphosphatase of sarcoplasmic reticulum. II. Conformational characteristics of stabilized reaction intermediates as revealed by fluorescent and paramagnetic probes. Yasuoka–Yabe K, et al. **J Biochem (Tokyo)** 1983 Sep;94(3):677–88

Studies on conformational transitions of Ca2+, Mg2+–adenosine triphosphatase of sarcoplasmic reticulum. I. Selective labeling of functionally distinct sulfhydryl groups with conformational probes and evidence for a Ca2+–dependent conformational change.

Yasuoka-Yabe K, et al. **J Biochem (Tokyo)** 1983 Sep; 94(3):665–75

Mechanisms of Ca2+ transport in plasma membrane vesicles prepared from cultured pituitary cells. II. (Ca2+ + Mg2+)-ATPase-dependent Ca2+ transport activity. Barros F, et al. **J Biol Chem** 1984 Aug 10;259(15):9404–10

Labeling the adenine nucleotide binding domain of the sarcoplasmic reticulum Ca,Mg-ATPase with photoaffinity analogs of ATP. Cable MB, et al. **J Biol Chem** 1984 Mar 25;259(6):3612–5

The regulation of ATPase-ATPase interactions in sarcoplasmic reticulum membrane. I. The effects of Ca2+, ATP, and inorganic phosphate. Dux L, et al. **J Biol Chem** 1983 Oct 10;258(19):11896–902

The regulation of ATPase-ATPase interactions in sarcoplasmic reticulum membrane. II. The influence of membrane potential. Dux L, et al. **J Biol Chem** 1983 Oct 10;258(19):11903–7

Membrane fluidity is not an important physiological regulator of the (Ca2+-Mg2+)-dependent ATPase of sarcoplasmic reticulum. East JM, et al. **J Biol Chem** 1984 Jul 10; 259(13):8070–1

Functional importance of the synaptic plasma membrane calcium pump and sodium-calcium exchanger. Gill DL, et al. **J Biol Chem** 1984 Sep 10;259(17):10807–13

Energy interconversion in sarcoplasmic reticulum vesicles in the presence of Ca2+ and Sr2+ gradients. Guimarães-Motta H, et al. **J Biol Chem** 1984 Jul 25; 259(14):8699–705

The calcium pump in rat liver endoplasmic reticulum. Demonstration of the phosphorylated intermediate. Heilmann C, et al. **J Biol Chem** 1984 Sep 10; 259(17):11139–44

Characterization of the Ca2+- or Mg2+-ATPase of transverse tubule membranes isolated from rabbit skeletal muscle. Hidalgo C, et al. **J Biol Chem** 1983 Nov 25; 258(22):13937–45

High affinity, calcium-stimulated adenosine triphosphatase activity in the particulate fraction of rat pancreatic acini. Hurley TW, et al. **J Biol Chem** 1984 Jun 10;259(11):7061–6

Effects of Ca2+ and Mg2+ on the actin-activated ATP hydrolysis by phosphorylated heavy meromyosin from arterial smooth muscle. Kaminski EA, et al. **J Biol Chem** 1984 Jul 25;259(14):9104–8

Effects of pH, temperature, and calcium concentration on the stoichiometry of the calcium pump of sarcoplasmic reticulum. Meltzer S, et al. **J Biol Chem** 1984 Apr 10; 259(7):4244–53

Phosphorylation of phospholamban by calcium-activated, phospholipid-dependent protein kinase. Stimulation of cardiac sarcoplasmic reticulum calcium uptake. Movsesian MA, et al. **J Biol Chem** 1984 Jul 10;259(13):8029–32

Studies of the interactions of 2',3'-O-(2,4,6-trinitrocyclohexyldienylidine)adenosine nucleotides with the sarcoplasmic reticulum (Ca2+ + Mg2+)-ATPase active site. Nakamoto RK, et al. **J Biol Chem** 1984 Mar 10;259(5):2961–70

Two alternate kinetic routes for the decomposition of the phosphorylated intermediate of sarcoplasmic reticulum Ca2+-ATPase. Nakamura Y. **J Biol Chem** 1984 Jul 10; 259(13):8183–9

Energetics of the calcium-transporting ATPase. Pickart CM, et al. **J Biol Chem** 1984 Feb 10;259(3):1629–43

Regulation of Ca2+ transport by isolated organelles of a rat insulinoma. Studies with endoplasmic reticulum and secretory granules. Prentki M, et al. **J Biol Chem** 1984 Aug 25;259(16):10118–23

Regulation of calcium content in bovine spermatozoa. Rufo GA Jr, et al. **J Biol Chem** 1984 Feb 25;259(4):2547–52

Luminescence studies of Tb3+ bound to the high affinity sites of the Ca2+-ATPase of sarcoplasmic reticulum. Scott TL. **J Biol Chem** 1984 Apr 10;259(7):4035–7

Calcium-activated ATPase of the chick embryonic chorioallantoic membrane. Identification, developmental expression, and topographic relationship with calcium-binding protein. Tuan RS, et al. **J Biol Chem** 1984 Mar 10;259(5):2754–63

Calmidazolium and compound 48/80 inhibit calmodulin-dependent protein phosphorylation and ATP-dependent Ca2+ uptake but not Ca2+-ATPase activity in skeletal muscle sarcoplasmic reticulum. Tuana BS, et al. **J Biol Chem** 1984 Jun 10;259(11):6979–83

Protonation of the sarcoplasmic reticulum Ca-ATPase during ATP hydrolysis. Yamaguchi M, et al. **J Biol Chem** 1984 Aug 10;259(15):9526–31

Calcium transport in the rabbit superficial proximal convoluted tubule. Ng RC, et al. **J Clin Invest** 1984 Sep; 74(3):834–42

Effect of Na3VO4 and membrane potential on the structure of sarcoplasmic reticulum membrane. Beeler TJ, et al. **J Membr Biol** 1984;78(1):73–9

Phospholamban and calciductin. Katz AM, et al. **J Mol Cell Cardiol** 1983 Dec;15(12):795–7

Further characteristics of the ATP-stimulated uptake of calcium into chromaffin granules. Burger A, et al. **J Neurochem** 1984 Sep;43(3):806–15

Characterization of calcium-activated and magnesium-activated ATPases of brain nerve endings. Lin SC, et al. **J Neurochem** 1984 Jun;42(6):1697–706

Genetic association between Ca2+-ATPase activity and audiogenic seizures in mice. Palayoor ST, et al. **J Neurochem** 1984 Jun;42(6):1771–4

Partial purification and functional identification of a calmodulin-activated, adenosine 5'-triphosphate-dependent calcium pump from synaptic plasma membranes. Papazian DM, et al. **J Neurosci** 1984 Aug;4(8):1933–43

Myosin isoenzymes in fast-twitch and slow-twitch muscles of normal and dystrophic mice. Fitzsimons RB, et al. **J Physiol (Lond)** 1983 Oct;343:539–50

Binding, activation, and solubilization of the Ca2+-ATPase from sarcoplasmic reticulum by nonionic detergents. Dean WL, et al. **Membr Biochem** 1984;5(3):181–91

Membrane crystals of Ca2+-ATPase in sarcoplasmic reticulum of normal and dystrophic muscle. Dux L, et al. **Muscle Nerve** 1983 Oct;6(8):566–73

Phenobarbital modulates the (Na+, K+)-stimulated ATPase and Ca2+-stimulated ATPase activities by increasing the bilayer fluidity of dog brain synaptosomal plasma membranes. Deliconstantinos G. **Neurochem Res** 1983 Sep; 8(9):1143–52

Effects of in vivo ethanol administration on Ca2+/Mg2+ ATPase and ATP-dependent Ca2+ uptake activity in synaptosomal membranes. Garrett KM, et al. **Neurochem Res** 1983 Aug;8(8):1013–28

Effects of carnitine on changes caused by chronic administration of alcohol. Corbett R, et al. **Neuropharmacology** 1984 Feb;23(2B):269–71

Ca2+-ATPase of the sarcoplasmic reticulum shares a common domain with a membrane glycoprotein associated with the cytoskeleton of microvilli. Reggio H, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(4):1130–4

Placental transfer of calcium (Ca) and phosphorus (Pi) in the guinea pig: lack of correlation with placental Ca-ATPase and alkaline phosphatase (AP) activities. McKercher HG, et al. **Prog Clin Biol Res** 1983;135:389–93

Influence of certain fish meals on (Na+ + K+)-ATPase and Ca2+-ATPase activity in rat small intestine. Rebolledo-Varela E, et al. **Rev Esp Fisiol** 1983 Jun; 39(2):197–201

Phosphorylation of Ca-ATPase of sarcoplasmic reticulum with different substrates. Barrabin H, et al. **Z Naturforsch [C]** 1983 Sep-Oct;38(9-10):845–7

A conformational transition of the sarcoplasmic reticulum calcium transport ATPase induced by vanadate. Hasselbach W, et al. **Z Naturforsch [C]** 1983 Nov-Dec; 38(11-12):1015–22

Activation volumes of the calcium dependent para-nitrophenyl phosphate hydrolysis of the sarcoplasmic reticulum calcium transport enzyme. König KG, et al. **Z Naturforsch [C]** 1984 Mar-Apr;39(3-4):282–8

Alteration of acylphosphate formation of cardiac sarcoplasmic reticulum ATPase by calmodulin-dependent phosphorylation. Pifl C, et al. **Z Naturforsch [C]** 1984 Mar-Apr;39(3-4):289–92

Electron microscopic evidence for the transmembrane displacement of calcium ATPase. Scales DJ, et al. **Z Naturforsch [C]** 1984 Jan-Feb;39(1-2):177–9

Transient activation of the Ca2+-ATPase from sarcoplasmic reticulum during thiol modification by 5,5'-dithiobis(2-nitrobenzoate). Swoboda G, et al. **Z Naturforsch [C]** 1983 Sep-Oct;38(9-10):834–44

[Mechanism of tocopherol stabilization of sarcoplasmic reticulum Ca2+-ATPase from thermodenaturation activated by fatty acids] Ananieva LK, et al. **Biokhimiia** 1984 Jan;49(1):60–6 (Eng. Abstr.) **(Rus)**

[Modification of an enzymic system of Ca2+ transport in sarcoplasmic reticulum membranes during lipid peroxidation. Induction and regulation systems of lipid peroxidation in skeletal and heart muscles] Arkhipenko IuV, et al. **Biokhimiia** 1983 Aug;48(8):1261–70 (Eng. Abstr.) **(Rus)**

[Modification of an enzymic system of Ca2+ transport in sarcoplasmic reticulum during lipid peroxidation. In vivo damages in the development of pathological changes] Kagan VE, et al. **Biokhimiia** 1983 Jul;48(7):1141–8 (Eng. Abstr.) **(Rus)**

[Mechanisms of calcium transport in brain synaptosomes as affected by depolarization] Kravtsov GM, et al. **Biokhimiia** 1983 Aug;48(8):1249–55 (Eng. Abstr.) **(Rus)**

[Energy-dependent redistribution of a lipophilic anion in sarcoplasmic reticulum vesicles and Ca2-ATPase molecules] Loginov VA, et al. **Biokhimiia** 1984 Jun; 49(6):958–64 (Eng. Abstr.) **(Rus)**

[Conformational mobility and enzymatic activity of Ca2+-ATPase from sarcoplasmic reticulum] Ritov VB, et al. **Biokhimiia** 1983 Nov;48(11):1890–6 (Eng. Abstr.) **(Rus)**

[Vitamin E protection of membranes of the sarcoplasmic reticulum against the damaging effect of free fatty acids] Tabidze LV, et al. **Biull Eksp Biol Med** 1983 Nov; 96(11):48–50 (Eng. Abstr.) **(Rus)**

[Spin labels in the analysis of Ca-ATPase in the sarcoplasmic reticulum of rabbit skeletal muscles in hypercholesteremia] Timofeev AA, et al. **Biull Eksp Biol Med** 1983 Nov; 96(11):59–62 (Eng. Abstr.) **(Rus)**

[Activation of the ion-transporting ATPases of the lymphocyte plasma membrane as affected by mitogenic doses of polyanions] Ataullakhanov RI, et al. **Dokl Akad Nauk SSSR** 1984;274(2):479–82 **(Rus)**

[Effect of riboxine on the ATPase activity and adenine nucleotide content in the myocardium in experimental myocardial infarct] Grigor'eva MB. **Farmakol Toksikol** 1983 Jul-Aug;46(4):41–3 (Eng. Abstr.) **(Rus)**

[Application of ESR saturation transfer spectroscopy for the study of molecular mobility of membrane proteins] Livshits VA. **Mol Biol (Mosk)** 1983 Jul-Aug;17(4):714–25 (Eng. Abstr.) **(Rus)**

[The effect of biologically active compounds on the enzymatic activity of sarcoplasmic reticulum (Ca2+,Mg2+)-dependent ATPase transformed by synthetic phospholipids] Tat'ianenko LV, et al. **Mol Biol (Mosk)** 1984 Mar-Apr;18(2):504–11 (Eng. Abstr.) **(Rus)**

[Role of interprotein interactions in the regulation of the sarcoplasmic reticulum Ca-pump] Boldyrev AA. **Ukr Biokhim Zh** 1983 Nov-Dec;55(6):677–89 (41 ref.) (Eng. Abstr.) **(Rus)**

[Effect of cAMP-dependent phosphorylation on the activity of Mg2+,Ca2+-ATP-ase and Ca2+ transport in the sarcoplasmic reticulum of the white skeletal muscles of the rabbit] Fedorov AN, et al. **Ukr Biokhim Zh** 1984 Mar-Apr; 56(2):141–6 (Eng. Abstr.) **(Rus)**

[Interaction of ATP with sarcoplasmic reticulum Ca2+-ATPase; effect on the conformational state of the enzyme] Lushchak VI, et al. **Ukr Biokhim Zh** 1983 Sep-Oct;55(5):507–12 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

[Ca-ATPase self-fluorescence in the sarcoplasmic reticulum of the rabbit skeletal muscle] Lushchak VI, et al. **Biol Nauki** 1984;(5):26–30 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Determination of the oligomeric structure of the Ca2+ pump protein in canine cardiac sarcoplasmic reticulum membranes using radiation inactivation analysis. Chamberlain BK, et al. **J Biol Chem** 1983 Oct 10; 258(19):11997–2001

[Activity of Mg2+, Ca2+-ATPase and lipid concentration in the plasma membranes rat brain synaptosomes in the early stages of acute radiation injury] Matyshevskaia OP, et al. **Ukr Biokhim Zh** 1984 Jan-Feb;56(1):38–42 (Eng. Abstr.) **(Rus)**

ADENOSINE TRIPHOSPHATASE P1 see **H(+)-TRANSPORTING ATPASE**

ADENOSINE TRIPHOSPHATASE, SODIUM, POTASSIUM

Phosphorylation states of the (Na+ + K+)-transporting ATPase in preparations from lamb kidney and electric-eel (Electophorus electricus) electric organ. Harris WE, et al. **Biochem J** 1984 Mar 1;218(2):341–5

Conformational states of the (Na+ + K+)-transporting ATPase. Formation of 240 000-Mr and 116 000-Mr polypeptides in the presence of a bifunctional thiol probe. Harris WE, et al. **Biochem J** 1984 Mar 1;218(2):331–9

Interaction of cardiac glycosides and Na,K-ATPase is regulated by effector-controlled equilibrium between two limit enzyme conformers. Repke KR, et al. **Biochem Pharmacol** 1984 Jul 1;33(13):2089–99

Photoaffinity labeling of the sodium- and potassium-activated adenosinetriphosphatase with a cardiac glycoside containing the photoactive group on the C-17 side chain. Deffo T, et al. **Biochemistry** 1983 Dec 20;22(26):6303–9

Structure of (Na+,K+)-ATPase as revealed by electron microscopy and image processing. Mohraz M, et al. **J Cell Biol** 1984 May;98(5):1836–41

Structural organization of (Na+ + K+)-ATPase in purified membranes. Zampighi G, et al. **J Cell Biol** 1984 May; 98(5):1851–64

[Structure of Na+, K+-ATPase] Kawamura M, et al. **Tanpakushitsu Kakusan Koso** 1983 Sep;28(10):1121–30 (51 ref.) **(Jpn)**

[Ionophore properties of brain Na+, K+-ATPase on planar lipid membranes] Sorokina ZA. **Fiziol Zh** 1983 Nov-Dec; 29(6):700–9 (Eng. Abstr.) **(Rus)**

ANALYSIS

Effect of thyroid hormone on carbohydrate content of Na+-K+-adenosine triphosphatase. Lo CS, et al. **Am J Physiol** 1984 Sep;247(3 Pt 1):C282–7

Two ouabain binding sites in guinea pig heart Na+-K+-ATPase. Differentiation by sodium and erythrosin B. Fricke U. **Basic Res Cardiol** 1984;79 Suppl:119–27

Digitalis receptors affinity labelling and relation with positive inotropic and cardiotoxic effects. Lazdunski M, et al. **Basic Res Cardiol** 1984;79 Suppl:110–8

Effects of calcium on the heterogeneity of the Na+, K+-ATPase forms in rat heart. Lelievre LG, et al. **Basic Res Cardiol** 1984;79 Suppl:128–33

Effect of prostaglandin F2 alpha on Na+-K+-ATPase activity in luteal membranes. Kim I, et al. **Biol Reprod** 1983 Aug;29(1):48–55

Membrane lipids and enzymes of cultured high- and low-metastatic B16 melanoma variants. Schroeder F, et al. **Cancer Res** 1984 Aug;44(8):3262–9

Where is Na+, K+ ATPase located in the liver cell plasma membrane? [letter] Yousef IM, et al. **Gastroenterology** 1984 Jun;86(6):1632–3

The relationship between localization of Na+, K+-ATPase

and cellular fine structure in the rat parotid gland. Speight PM, et al. **Histochem J** 1984 Jul;16(7):721–31

The amino acid sequence of a fluorescein-labeled peptide from the active site of (Na,K)-ATPase. Farley RA, et al. **J Biol Chem** 1984 Aug 10;259(15):9532–5

Quantitative changes in cardiac Na+, K+ -adenosine triphosphatase of spontaneously hypertensive rats. David-Dufilho M, et al. **J Cardiovasc Pharmacol** 1984 Mar-Apr;6(2):273–80

Immunocytochemical localization of Na+,K+ adenosine triphosphatase in the rat retina. Stahl WL, et al. **J Histochem Cytochem** 1984 Feb;32(2):248–50

Localization of ATPases in retinal receptor cells. Ueno S, et al. **Ophthalmic Res** 1984;16(1–2):15–20

[Vulnerability of the rat gastric mucosa to injuries caused by adrenocortical hormone and its relation to ATPase] Wang JY. **Chung Hua I Hsueh Tsa Chih** 1984 Feb; 64(2):112–5 **(Chi)**

[Corneal changes following topical administration of beta-blocking ophthalmic solution. Electron microscopic histochemical studies of Na+, K+-ATPase activities] Shimizu N, et al. **Nippon Ganka Gakkai Zasshi** 1983; 87(10):838–49 (Eng. Abstr.) **(Jpn)**

[Ultracytochemical localization of ouabain-sensitive, K+-paranitrophenyl phosphatase, alkaline phosphatase and Mg2+-adenosine triphosphatase activities in the salivary glands] Yoshihara T. **Nippon Jibiinkoka Gakkai Kaiho** 1984 Apr;87(4):481–8 (Eng. Abstr.) **(Jpn)**

[Chemical modification of Na+, K+-ATPase] Urayama O. **Tanpakushitsu Kakusan Koso** 1983 Nov;28(12):1292–303 (86 ref.) **(Jpn)**

ANTAGONISTS & INHIBITORS

Vanadate inhibition of Na+K+. ATPase and K+-dependent p-nitrophenylphosphatase: a kinetic analysis. Blázovics A, et al. **Acta Biochim Biophys Acad Sci Hung** 1983;18(3–4):199–209

Effect of interaction of heavy metals on (Na+ -K+) ATPase and the uptake of 3H-DA and 3H-NA in rat brain synaptosomes. Chandra SV, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Mar;54(3):210–3

Effect of lindane on synaptosomal Na+/K+-ATPase in relation to its subcellular distribution in the brain. Magour S, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Apr; 54(4):299–303

Characteristics of a (Na+-K+)-ATPase inhibitor in extracts of tea. Sagnella GA, et al. **Am J Clin Nutr** 1984 Jul; 40(1):36–41

Cochlear effects of locally applied inhibitors. Rybak LP, et al. **Arch Otorhinolaryngol** 1984;240(2):207–13

Removal of inhibitors of brain Na+, K+-ATPase by hemoperfusion in fulminant hepatic failure. Seda HW, et al. **Artif Organs** 1984 May;8(2):174–8

Cardiac glycosides and sodium/potassium-ATPase. Greeff K, et al. **Basic Res Cardiol** 1984;79 Suppl:16–20

Cardiac glycosides with different effects in the heart. Lüllmann H, et al. **Basic Res Cardiol** 1984;79 Suppl:93–101

Modulation of renal ATPase activities by cyclic AMP. Giesen EM, et al. **Biochem Biophys Res Commun** 1984 Apr 30;120(2):619–24

Kinetic studies on interaction of (Na,K)-ATPase with Cibacron Blue F3GA as probe of the nucleotide fold. Schönfeld W, et al. **Biochem Biophys Res Commun** 1984 Feb 29;119(1):423–30

Inhibition of dog kidney Na+, K+-ATPase activity by procaine, tetracaine and dibucaine. Hudgins PM, et al. **Biochem Pharmacol** 1984 Jun 1;33(11):1789–96

Heterogeneity of ouabain specific binding sites and (Na+ + K+)-ATPase inhibition in microsomes from rat heart. Noel F, et al. **Biochem Pharmacol** 1984 Jan 1;33(1):47–53

Vanadyl ($VO2+$) and vanadate (VO_3^-) ions inhibit the brain microsomal Na,K-ATPase with similar affinities. Protection by transferrin and noradrenaline. Svoboda P, et al. **Biochem Pharmacol** 1984 Aug 1;33(15):2485–91

Vanadyl ($VO2+$) induced lipoperoxidation in the brain microsomal fraction is not related to $VO2+$ inhibition of Na,K-ATPase. Svoboda P, et al. **Biochem Pharmacol** 1984 Aug 1;33(15):2493–7

Inhibitory effect of duramycin on partial reactions catalyzed by (Na+,K+)-adenosinetriphosphatase from dog kidney. Nakamura S, et al. **Biochemistry** 1984 Jan 17;23(2):385–9

Inhibition of (Na+,K+)-ATPase by magnesium ions and inorganic phosphate and release of these ligands in the cycles of ATP hydrolysis. Pedemonte CH, et al. **Biochim Biophys Acta** 1983 Oct 28;748(2):245–53

Effects of oligomycin and quercetin on the hydrolytic activities of the (Na+ +K+)-dependent ATPase. Robinson JD, et al. **Biochim Biophys Acta** 1984 May 30; 772(3):295–306

Inhibition of synaptosomal enzymes by local anesthetics. Sidek HM, et al. **Biochim Biophys Acta** 1984 Sep 7; 801(1):26–31

Sodium-potassium ATPase inhibition potentiates compound 48/80-induced histamine secretion from mast cells. Amellal M, et al. **Br J Pharmacol** 1984 Jun;82(2):423–30

Gossypol, ouabain and vanadate on the isolated perfused rat kidney and Na, K-ATPase. Pathak HK, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Mar;5(1):52–7

Na+,K+-ATPase activity and responsiveness of vascular smooth muscle to norepinephrine, angiotensin II and calcium ionophore A23187 in guinea pig aortic strips. Sekine K, et al. **Clin Exp Hypertens [A]** 1984;6(7):1267–80

Inhibition of guinea-pig renal [Na + K]-ATPase by normotensive human plasma: effects of a high sodium diet. Wellard RM, et al. **Clin Exp Pharmacol Physiol** 1983 May-Jun;10(3):261–4

Inhibition of partially purified rat brain Na+, K+-dependent ATPase by bile acids, phenolic acids and endotoxin. Seda HW, et al. **Clin Sci** 1984 Apr;66(4):415–20

[3H]serotonin uptake in human blood platelets is reduced by ouabain and endogenous digitalis-like inhibitors of Na+, K+-ATPase. Kamal LA, et al. **Eur J Pharmacol** 1983 Aug 19;92(1–2):167–8

Tissue-specific inhibition of ATPase activities in rat induced by triparanol feeding. Sen PC, et al. **Exp Eye Res** 1983 Aug;37(2):209–12

Sugar moiety of cardiac glycosides is essential for the inhibitory action on the palytoxin-induced K+ release from red blood cells. Ozaki H, et al. **FEBS Lett** 1984 Jul 23;173(1):196–8

Selective and reversible inhibition of heart sarcolemmal (Na+ + K+)-ATPase by p-bromophenyl isothiocyanate. Evidence for a sulfhydryl group in the ATP-binding site of the enzyme. Ziegelhöffer A, et al. **Gen Physiol Biophys** 1983 Dec;2(6):447–56

Inhibition of rat brain Na+,K+-ATPase activity by serum from patients with fulminant hepatic failure. Seda HW, et al. **Hepatology** 1984 Jan-Feb;4(1):74–9

Effect of prostanoids on human intestinal Na-K-ATPase activity. Sharon P, et al. **Isr J Med Sci** 1984 Aug; 20(8):677–80

ATP inactivates hydrolysis of the K+-sensitive phosphoenzyme of kidney Na+,K+-transport ATPase and activates that of muscle sarcoplasmic reticulum Ca2+-transport ATPase. Fukushima Y, et al. **J Biochem (Tokyo)** 1984 Feb;95(2):359–68

Two classes of ouabain receptors in chick ventricular cardiac cells and their relation to (Na+,K+)-ATPase inhibition, intracellular Na+ accumulation, Ca2+ influx, and cardiotonic effect. Kazazoglou T, et al. **J Biol Chem** 1983 Oct 25;258(20):12163–70

Specific inactivation of alpha (+) molecular form of (Na+ + K+)-ATPase by pyrithiamin. Matsuda T, et al. **J Biol Chem** 1984 Mar 25;259(6):3858–63

Inhibition of (Na,K)-ATPase by tetravalent vanadium. North P, et al. **J Biol Chem** 1984 Apr 25;259(8):4971–8

The role of a humoral Na+,K+-ATPase inhibitor in regulating precapillary vessel tone. Haddy FJ. **J Cardiovasc Pharmacol** 1984;6 Suppl 2:S439–56 (93 ref.)

Na+,K+-ATPase inhibitors and the adrenergic neuroeffector interaction in the blood vessel wall. Vanhoutte PM, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 1:S88–94 (45 ref.)

A reduction in the activity of the Na+, K+-pump in dimethylsulfoxide-treated Friend erythroleukemia cells is not due to partial inactivation of the Na+, K+-ATPase. Schaefer A, et al. **J Cell Physiol** 1984 Jun;119(3):335–40

Effect of palmitoyl carnitine on Na+, K+-ATPase and adenylate cyclase activity of canine myocardial sarcolemma. Abe M, et al. **J Mol Cell Cardiol** 1984 Mar; 16(3):239–45

Attenuation by antioxidants of Na+/K+ ATPase inhibition by toxic concentrations of isoproterenol in cultured rat myocardial cells. Acosta D, et al. **J Mol Cell Cardiol** 1984 Mar;16(3):281–4

Partial purification and properties of the inhibitors of Na, K-ATPase and ouabain-binding in bovine central nervous system. Akagawa K, et al. **J Neurochem** 1984 Mar; 42(3):775–80

Inhibition of rat brain microsomal Na+,K+-ATPase by S-adenosylmethionine. Hattori H, et al. **J Neurochem** 1984 Jan;42(1):204–8

Effects of methanethiol on erythrocyte membrane stabilization and on Na+,K+-adenosine triphosphatase: relevance to hepatic coma. Ahmed K, et al. **J Pharmacol Exp Ther** 1984 Jan;228(1):103–8

An analysis of biphasic time courses: the inactivation of (Na+ + K+)-ATPase and Ca2+-ATPase by ATP-analogs. Fritzsch G, et al. **J Theor Biol** 1983 Jun 21;102(4):469–76

Inhibition of Na pumps enhances Ca-dependent release of vasopressin from the isolated neurohypophysis of the rat. Sorimachi M. **Jpn J Physiol** 1983;33(6):1061–6

Digoxin-like immunoreactivity of a circulating (Na+ + K+)ATPase inhibitor [letter] Gruber KA, et al. **Nature** 1983 Oct 13–19;305(5935):646

Palytoxin binds to and inhibits kidney and erythrocyte Na+, K+-ATPase. Böttinger H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Jan; 325(1):85–7

Inhibition of Na+, K+-ATPase activity by delta-aminolevulinic acid. Russell VA, et al. **Neurochem Res** 1983 Nov;8(11):1407–15

Acute and chronic catecholamine-ethanol interactions on rat brain (Na+ + K+)-ATPase. Rangaraj N, et al. **Pharmacol Biochem Behav** 1980;13 Suppl 1:183–9

Failure of atrial myocardial extract to inhibit renal Na+, K+-ATPase. Pollock DM, et al. **Renal Physiol** 1983; 6(6):295–9

Effect of heparin on myocardial contractility of the dog and on Na, K-ATPase. Karli J, et al. **Res Commun Chem Pathol Pharmacol** 1984 Jan;43(1):79–96

Effect of cadmium chloride on rat brain synaptosomal ATPases. Rajanna B, et al. **Toxicol Lett** 1983 Sep; 18(3):331–6

Inhibitory characteristics of 3,5-dibromo-1-acetoxy-4-oxo-2,5-cyclohexadien-1-aceto a semisynthetic derivative of aeroplysinin-1 from sponges (Aplysinidae), on Na+ - K+-ATPase. Gorshkov BA, et al. **Toxicon** 1984;22(3):441–9

[Preliminary study of the internal heat due to deficiency of Yin--sodium inhibitory action of Anemarrhena rhizome] Chen RQ. **Chung Hsi I Chieh Ho Tsa Chih** 1983 Jul; 3(4):235–6 (Eng. Abstr.) **(Chi)**

[Effects of potassium on the inhibitory effect of gossypol on Na,K-ATPase in vitro] Bi XF, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Jun;5(2):115–8 (Eng. Abstr.) **(Chi)**

[Affinity chromatography for the detection of human endogenous inhibitor of NA+, K+ -ATPase] Henning G, et al. **C R Seances Acad Sci [III]** 1983;297(6):295–8 (Eng. Abstr.) **(Fre)**

[The contraction of intestinal myocells and block of cationic pumps] Zamboni P. **Boll Soc Ital Biol Sper** 1983 Nov 30; 59(11):1654–60 (Eng. Abstr.) **(Ita)**

[Therapeutic action of digitalis glycosides: result of a signal transmitted by a membrane receptor] Luciani S. **Clin Ter** 1984 Apr 30;109(2):101–8 (39 ref.) (Eng. Abstr.) **(Ita)**

[Molecular polarity dependence of the transformed steroid effect on Na,K-ATPase] Kamernitskii AV, et al. **Biokhimiia** 1984 Feb;49(2):316–20 (Eng. Abstr.) **(Rus)**

[Na+, K+ -ATPase inactivation as a trigger coupling factor of mediator depolarization and secretion] Glebov RN, et al. **Ukr Biokhim Zh** 1983 Jul-Aug;55(4):460–74 (100 ref.) (Eng. Abstr.) **(Rus)**

[Inhibition by propranolol of the ouabain binding to myocardium] Gende OA. **Acta Physiol Lat Am** 1983; 33(2):139–44 (Eng. Abstr.) **(Spa)**

[Relation between a circulating inhibitor of sodium transport and arterial hypertension] Wardener HE, et al. **Rev Esp Cardiol** 1983;36(6):463–8 (Eng. Abstr.) **(Spa)**

BIOSYNTHESIS

Early enhancement of passive potassium efflux from rat liver by thyroid hormone: relation to induction of Na,K-ATPase. Haber RS, et al. **Endocrinology** 1984 Jul; 115(1):291–7

BLOOD

Variables affecting measurement of human red cell Na+,K+ATPase activity: technical factors, feeding, aging. Simat BM, et al. **Am J Clin Nutr** 1984 Aug; 40(2):339–45

Na+-K+ transport and volume of rat erythrocytes under dietary K+ deficiency. Duhm J, et al. **Am J Physiol** 1984 Jan;246(1 Pt 1):C20–9

Active cation transport and Na+K+Mg ATPase of the monotreme erythrocytes. Kim HD, et al. **Biochem Biophys Res Commun** 1984 Mar 30;119(3):1161–7

The effect of cyclic nucleotides and icosanoids on Na+ and K+ transport in human red cells. Garay R, et al. **Biomed Biochim Acta** 1983;42(11–12):S53–7

The influence of cytoplasmic sodium concentration on the stoichiometry of the sodium pump. Blostein R. **J Biol Chem** 1983 Oct 25;258(20):12228–32

Increase of Na+ gradient-dependent L-glutamate and L-aspartate transport in high K+ dog erythrocytes associated with high activity of (Na+, K+)-ATPase. Inaba M, et al. **J Biol Chem** 1984 Jan 10;259(1):312–7

Activation of electrogenic Rb+ transport of (Na,K)-ATPase by an electric field. Serpersu EH, et al. **J Biol Chem** 1984 Jun 10;259(11):7155–62

Erythrocyte Na,K pump in uremia. Acute correction of a transport defect by hemodialysis. Izumo H, et al. **J Clin Invest** 1984 Aug;74(2):581–8

Combined effects of lead and EDTA on Na+,K+-ATPase activity of erythrocyte membranes. Karai I, et al. **J Toxicol Environ Health** 1983 Oct-Dec;12(4–6):721–30

More on sodium-potassium-ATPase and obesity [letter] **N Engl J Med** 1984 May 24;310(21):1390–1

Sodium-potassium-ATPase and obesity [letter] Mir MA, et al. **N Engl J Med** 1984 Feb 23;310(8):528–9

The action of palytoxin on erythrocytes and resealed ghosts. Formation of small, nonselective pores linked with Na+, K+-ATPase. Chhatwal GS, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1983 Jul; 323(3):261–8

Only solid red blood cell ghosts transport K+, and Na+ against concentration gradients: hollow intact ghosts with K+-Na+ activated ATPase do not. Ling GN, et al. **Physiol Chem Phys** 1983;15(4):311–7

Temperature-dependence of ATP level, organic phosphate production and Na,K-ATPase in human lymphocytes. Negendank W, et al. **Physiol Chem Phys** 1982;14(6):513–8

[Incorporation of Na,K-ATPase into human erythrocyte membranes using liposomes] Stel'makh LN, et al. **Biokhimiia** 1984 Mar;49(3):460–3 (Eng. Abstr.) **(Rus)**

[Changes in the structural characteristics and ATPase activity of the erythrocyte membranes in angiographically verified coronary artery lesion] Artemova LG, et al. **Biull Eksp Biol Med** 1984 Aug;97(8):230–3 (Eng. Abstr.) **(Rus)**

[Na+, K+-ATPase activity in erythrocytes after the effect of laser radiation] Moroz AM. **Ukr Biokhim Zh** 1983

Nov-Dec;55(6):674-6 (Eng. Abstr.) **(Rus)**

[Na+, K+-ATPase activity and cholesterol content in erythrocyte membranes of patients with coronary atherosclerosis in various forms of dyslipoproteinemia] Torkhovskaia TI, et al. **Vopr Med Khim** 1983 Sep-Oct; 29(5):69-73 (Eng. Abstr.) **(Rus)**

[Comparative characteristics of the properties of erythrocyte Na,K-ATPase in man and the carp Cyprinus carpio] Kazennov AM, et al. **Zh Evol Biokhim Fiziol** 1984 Mar-Apr;20(2):167-73 (Eng. Abstr.) **(Rus)**

GENETICS

Assembly of the (Na+ + K+)-adenosine triphosphatase. Post-translational membrane integration of the alpha subunit. Hiatt A, et al. **J Biol Chem** 1984 Feb 25; 259(4):2629-35

Amplification of sodium- and potassium-activated adenosinetriphosphatase in HeLa cells by ouabain step selection. Ash JF, et al. **J Cell Biol** 1984 Sep;99(3):971-83

Two different Na,K-ATPases in the optic nerve: cells of origin and axonal transport. Specht SC, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(4):1234-8

ISOLATION & PURIFICATION

The distribution of C12E8-solubilized oligomers of the (Na+ + K+)-ATPase. Esmann M. **Biochim Biophys Acta** 1984 May 31;787(1):81-9

Molecular weights of alpha beta-protomeric and oligomeric units of soluble (Na+, K+)-ATPase determined by low-angle laser light scattering after high-performance gel chromatography. Hayashi Y, et al. **Biochim Biophys Acta** 1983 Oct 28;748(2):153-67

Solubilization and purification of Na, K-ATPase from the outer medulla of rabbit kidney. De Bortoli M, et al. **Boll Soc Ital Biol Sper** 1984 Jan 30;60(1):71-7

Non-uniform distribution of phospholipids in (Na+ + K+)-ATPase-rich membranes from Torpedo marmorata electric organ evidenced by spin-spin interactions between spin-labeled phospholipids. Zachowski A, et al. **FEBS Lett** 1983 Nov 14;163(2):245-9

Isolation of the alpha and beta subunits of canine (Na+,K+)ATPase by using SDS-PAGE and lectin-Sepharose. Omori K, et al. **J Biochem (Tokyo)** 1983 Dec;94(6):1857-66

Solubilization and separation of divalent cation dependent adenosinetriphosphatase in native gradient polyacrylamide slab gel. Nagy A, et al. **J Neurosci Methods** 1983 Sep; 9(1):57-64

Avian salt gland: a model for the study of membrane biogenesis. Barrnett RJ, et al. **Methods Enzymol** 1983; 96:627-59

[Use of SDS and saponin detergents for the demonstration and purification of (Na+K+)ATPase in sheep kidney] Foussard-Guilbert F, et al. **Biochimie** 1983 Aug-Sep; 65(8-9):519-27 (Eng. Abstr.) **(Fre)**

METABOLISM

The effect of several neurotransmitter substances on nerve ending membrane ATPase. Lores Arnaiz GR, et al. **Acta Physiol Lat Am** 1981;31(1):39-44

Induced development of proximal tubular NaKATPase, basolateral cell membranes and fluid reabsorption. Aperia A, et al. **Acta Physiol Scand** 1984 Jun;121(2):133-41

Angiotensin receptors and the control of Na+ and K+ transport in cultured aortic smooth muscle and brain microvessel cells. Brock TA, et al. **Adv Exp Med Biol** 1984; 172:435-54

Ouabain binding, Na+-K+-ATPase activity, and 86Rb uptake of canine arteries. Bukoski RD, et al. **Am J Physiol** 1983 Oct;245(4):H604-9

Impaired energy utilization and Na-K-ATPase in diabetic peripheral nerve. Greene DA, et al. **Am J Physiol** 1984 Apr;246(4 Pt 1):E311-8

Quantitation of [3H]ouabain binding and turnover of Na-K-ATPase along the rabbit nephron. El Mernissi G, et al. **Am J Physiol** 1984 Jul;247(1 Pt 2):F158-67

Stimulation of Na-K-ATPase in the rat collecting tubule by two diuretics: furosemide and amiloride. Mernissi GE, et al. **Am J Physiol** 1984 Sep;247(3 Pt 2):F485-90

Effect of aldosterone on abundance and phosphorylation kinetics of Na-K-ATPase of toad urinary bladder. Park CS, et al. **Am J Physiol** 1984 Apr;246(4 Pt 2):F509-16

Steroid regulation of Na+-K+-ATPase: differential sensitivities along the nephron. Rayson BM, et al. **Am J Physiol** 1984 May;246(5 Pt 2):F656-62

Development of solute transport in rabbit proximal tubule. III. Na-K-ATPase activity. Schwartz GJ, et al. **Am J Physiol** 1984 Jun;246(6 Pt 2):F845-52

Caloric intake and Na+-K+-ATPase: differential regulation by alpha 1- and beta-noradrenergic receptors. Swann AC. **Am J Physiol** 1984 Sep;247(3 Pt 2):R449-55

Na+- and K+-dependent adenosine triphosphatase and multiple sclerosis [letter] Esiri MM. **Ann Neurol** 1984 Apr; 15(4):404-5

The Na/K pump of cardiac cells. Gadsby DC. **Annu Rev Biophys Bioeng** 1984;13:373-98 (101 ref.)

Effect of gentamicin treatment on adenylate cyclase and Na+, K+-ATPase activities in renal tissues of rats. Queener SF, et al. **Antimicrob Agents Chemother** 1983 Nov; 24(5):815-8

Interaction of Ca2+ with (Na+ + K+)-ATPase: properties of the Ca2+-stimulated phosphatase activity. Huang WH, et al. **Arch Biochem Biophys** 1984 Jun;231(2):287-92

Increase of Na+/K+ ATPase activity in BHK 21 cells treated with phosphatidylserine vesicles. Floreani M, et al. **Biochem Biophys Res Commun** 1983 Sep 15;115(2):470-6

Development and regional distribution of two molecular forms of the catalytic subunit of the Na,K-ATPase in rat brain. Specht SC. **Biochem Biophys Res Commun** 1984 May 31;121(1):208-12

Bleomycin stimulates both membrane (Na+-K+) ATPase and electrogenic (Na+-K+) pump and partially removes the inhibition by vanadium ions. Vyskočil F, et al. **Biochem Biophys Res Commun** 1983 Oct 31;116(2):783-90

Covalent binding of negatively charged phospholipid to Na,K-ATPase. Perttilä U. **Biochem Int** 1984 Jan;8(1):77-82

Influence of phosphatidylserine on (Na+ + K+)-stimulated ATPase and acetylcholinesterase activities of dog brain synaptosomal plasma membranes. Tsakiris S, et al. **Biochem J** 1984 May 15;220(1):301-7

Digitalis structure-activity relationship analyses. Conclusions from indirect binding studies with cardiac (Na+ + K+)-ATPase. Brown L, et al. **Biochem Pharmacol** 1983 Sep 15;32(18):2767-74

Binding of dihydrodigitoxin to beef and human cardiac (Na+ + K+)-ATPase: evidence for two binding sites in cell membranes. Brown L, et al. **Biochem Pharmacol** 1983 Nov 1;32(21):3183-90

Stimulation of Na+,K+-ATPase of isolated smooth muscle membranes by the Ca2+ channel inhibitors, nimodipine and nitrendipine. Pan M, et al. **Biochem Pharmacol** 1984 Mar 1;33(5):787-91

p-Aminohippurate (PAH) transport and Na-K-ATPase activity in rat renal cortical slices during postnatal maturation and drug-induced stimulation. Stopp M, et al. **Biochem Pharmacol** 1983 Dec 15;32(24):3675-8

Reversal by local anaesthetics of ouabain-induced [14C]ACh and [14C]choline release from synaptosomes. Vyas S, et al. **Biochem Pharmacol** 1983 Sep 15;32(18):2827-9

Immunochemical characterization of a functional site of (Na+,K+)-ATPase. Ball WJ Jr. **Biochemistry** 1984 May 8;23(10):2275-81

Topological localization of proteolytic sites of sodium and potassium ion stimulated adenosinetriphosphatase. Chin G, et al. **Biochemistry** 1983 Jul 5;22(14):3405-10

Modification of the conformational equilibria in the sodium and potassium dependent adenosinetriphosphatase with glutaraldehyde. Chipman DM, et al. **Biochemistry** 1983 Sep 13;22(19):4450-9

Specific photoaffinity labeling of the digitalis binding site of the sodium and potassium ion activated adenosinetriphosphatase induced by energy transfer. Goeldner MP, et al. **Biochemistry** 1983 Sep 27; 22(20):4685-90

Purification of the membrane-spanning tryptic peptides of the alpha polypeptide from sodium and potassium ion activated adenosinetriphosphatase labeled with 1-tritiospiro[adamantane-4,3'-diazirine]. Nicholas RA. **Biochemistry** 1984 Feb 28;23(5):888-98

Characterization of (Na+ + K+)-ATPase liposomes. I. Effect of enzyme concentration and modification on liposome size, intramembrane particle formation and Na+,K+-transport. Anner BM, et al. **Biochim Biophys Acta** 1984 Jun 27;773(2):253-61

Characterization of (Na+ + K+)-ATPase liposomes. II. Effect of alpha-subunit digestion on intramembrane particle formation and Na+,K+-transport. Anner BM, et al. **Biochim Biophys Acta** 1984 Jun 27;773(2):262-70

Studies on the relationship between glycolysis and (Na+ + K+)-ATPase in cultured cells. Balaban RS, et al. **Biochim Biophys Acta** 1984 Aug 17;804(4):419-26

Acetyl phosphate can act as a substrate for Na+ transport by (Na+ + K+)-ATPase. Beaugé L, et al. **Biochim Biophys Acta** 1984 May 30;772(3):411-4

Potassium-p-nitrophenyl phosphate interactions with (Na+ + K+)-ATPase. Their relevance to phosphatase activity. Beaugé L, et al. **Biochim Biophys Acta** 1984 Jun 13; 773(1):157-64

A search for an 'ouabain-like' substance from the electric organ of Electrophorus electricus which led to arachidonic acid and related fatty acids. Bidard JN, et al. **Biochim Biophys Acta** 1984 Jan 11;769(1):245-52

Reconstitution of (Na+ + K+)-ATPase into phospholipid vesicles with full recovery of its specific activity. Cornelius F, et al. **Biochim Biophys Acta** 1984 May 30;772(3):357-73

Kinetic properties of C12E8-solubilized (Na+ + K+)-ATPase. Esmann M, et al. **Biochim Biophys Acta** 1984 May 31;787(1):71-80

The effect of K+ on the equilibrium between the E2 and the K+-occluded E2 conformation of the (Na+ + K+)-ATPase. Esmann M, et al. **Biochim Biophys Acta** 1983 Nov 14;748(3):413-7

Labeling of intramembrane segments of the alpha-subunit and beta-subunit of pure membrane-bound (Na+ + K+)-ATPase with 3-trifluoromethyl-3-(m-[125I]iodophenyl)diazirine. Jørgensen PL, et al. **Biochim Biophys Acta** 1983 Nov 9; 735(2):291-6

Evidence for essential disulfide bonds in the beta-subunit of (Na+ + K+)-ATPase. Kawamura M, et al. **Biochim Biophys Acta** 1984 Jul 25;774(2):188-92

The effect of lipid intermediates on Ca2+ and Na+ permeability and (Na+ + K+)-ATPase of cardiac sarcolemma. A possible role in myocardial ischemia. Lamers JM, et al. **Biochim Biophys Acta** 1984 Jul 11; 774(1):127-37

(Na+ + K+)-ATPase activity of crude homogenates of rat skeletal muscle as estimated from their K+-dependent 3-O-methylfluorescein phosphatase activity. Nørgaard A, et al. **Biochim Biophys Acta** 1984 Mar 14;770(2):203-9

Leakage-channel conductance of single (Na+ + K+)-ATPase molecules incorporated into planar bilayers by fusion of liposomes. Reinhardt R, et al. **Biochim Biophys Acta** 1984 Jul 11;774(1):147-50

The distribution of (Na+ + K+)-ATPase along the villus crypt-axis in the rabbit small intestine. Rowling PJ, et al. **Biochim Biophys Acta** 1984 Mar 28;771(1):35-41

Thiophosphorylation of (Na + K+)-ATPase yields an ADP-sensitive phosphointermediate. Schuurmans Stekhoven FM, et al. **Biochim Biophys Acta** 1984 Jul 25; 774(2):277-87

Hydrolysis of adenylyl imidodiphosphate in the presence of Na+ + Mg2+ by (Na+ + K+)-activated ATPase. Schuurmans Stekhoven FM, et al. **Biochim Biophys Acta** 1983 Dec 7;736(1):73-8

Effect on the equilibrium between the Na+-form and the K+-form of the (Na+ + K+)-ATPase of modification of the enzyme with pyridoxal 5-phosphate. Skou JC. **Biochim Biophys Acta** 1984 Aug 28;789(1):44-50

Postnatal development of rat kidney plasma membrane Na-K-ATPase. Dobrović-Jenik D, et al. **Biol Neonate** 1984;46(3):115-21

Hamster sperm Na+, K+-adenosine triphosphatase: increased activity during capacitation in vitro and its relationship to cyclic nucleotides. Mrsny RJ, et al. **Biol Reprod** 1984 Apr;30(3):573-84

Utmost cytoplasmic location of catalytic center in Na,K-motive ATPase disfavors Mitchell's phosphate-cation symport mechanism of Na/K transport across plasma membrane. Repke KR, et al. **Biomed Biochim Acta** 1983;42(7-8):825-38

Specificity of a cytochemical bioassay for arginine-vasopressin and its validation for plasma measurement. Smith A, et al. **Biosci Rep** 1984 Feb; 4(2):109-14

Hyperthermia, Na+K+ATPase and lactic acid production in some numan tumour cells. Burdon RH, et al. **Br J Cancer** 1984 Apr;49(4):437-45

Thyroxine regulates the activity and the concentration of synaptic plasma membrane Na,K-ATPase in the developing rat brain cortex. Lindholm DB. **Brain Res** 1984 Jul;317(1):83-8

Influence of lactate accumulation on Na+, K+-ATPase activity of ischemic and post-ischemic brain. MacMillan V, et al. **Brain Res** 1984 Jun 11;303(1):125-32

Immunohistochemical localization of Na+, K+-ATPase in the choroid plexus. Masuzawa T, et al. **Brain Res** 1984 Jun 8;302(2):357-62

Is obesity due to a defective sodium pump? Ooi TC, et al. **Can J Surg** 1984 Mar;27(2):124-5

Analysis of K+ and Na+ transport and intracellular contents during and after heat shock and their role in protein synthesis in rat hepatoma cells. Boonstra J, et al. **Cancer Res** 1984 Mar;44(3):955-60

Stimulation of rat renal Na+, K+-ATPase activity by thyroid hormones. Pippard C, et al. **Cell Biochem Funct** 1984 Apr;2(2):107-10

Recognition of sodium- and potassium-dependent adenosine triphosphatase in organs of the mouse by means of a monoclonal antibody. Gorvel JP, et al. **Cell Tissue Res** 1983;234(3):619-32

Effects of growth in low potassium medium or ouabain on membrane Na,K-ATPase, cation transport, and contractility in cultured chick heart cells. Kim D, et al. **Circ Res** 1984 Jul;55(1):39-48

The stimulation of Na+, K+-ATPase activity in the medulla of the rat kidney by [arginine] vasopressin and its analogues. Pippard C, et al. **Clin Sci** 1984 May;66(5):561-7

The role of corticosteroids in the regulation of myocardial Na, K-ATPase in normotensive and spontaneously hypertensive rats. Stern N, et al. **Clin Sci** 1984 Apr; 66(4):421-6

Studies on the Na+-K+ ATPase of skeletal muscle and nerve. Fambrough DM. **Cold Spring Harbor Symp Quant Biol** 1983;48 Pt 1:297-304

Seasonal variation in Na+-K+-ATPase in tissues of field acclimatized woodrats, Neotoma lepida. Davis JP, et al. **Comp Biochem Physiol [A]** 1983;76(1):115-21

Effect of temperature on the pH dependence of renal microsomal ATPase in the rabbit, rat and hamster. Park YS, et al. **Comp Biochem Physiol [A]** 1983;76(1):55-61

Phospholipid composition and metabolism of crustacean gills as related to changes in environmental salinities: relationship between Na+-K+-ATPase activity and phospholipids. Chapelle S, et al. **Comp Biochem Physiol [B]** 1984;78(2):363-72

Origins of the different sensitivities of (Na+ + K+)-dependent adenosinetriphosphatase preparations to ouabain. Periyasamy SM, et al. **Comp Biochem Physiol [B]** 1983;76(3):449-54

Action of sorbinil in diabetic peripheral nerve. Relationship of polyol (sorbitol) pathway inhibition to a myo-inositol-mediated defect in sodium-potassium ATPase activity. Greene DA, et al. **Diabetes** 1984 Aug; 33(8):712-6

Identification of the segment of the catalytic subunit of (Na+,K+)ATPase containing the digitalis binding site. Rossi B, et al. **EMBO J** 1982;1(7):859–61

Regulation of rat renal (Na+ + K+)-adenosine triphosphatase activity by triiodothyronine and corticosterone. Klein LE, et al. **Endocrinology** 1984 Sep; 115(3):1038–42

Sodium–potassium ATPase in deoxycorticosterone-salt hypertension: opposing effects of sodium load and mineralocorticoids. Stern N, et al. **Endocrinology** 1984 Feb; 114(2):624–8

Effects of manganese on rat brain microsomal Mg2+-Na+-K+-ATPase: in vivo and in vitro studies. Shukla GS, et al. **Environ Res** 1983 Oct;32(1):212–9

Assay of Na-K-ATPase in cultured nephron epithelia. Schmolke MF, et al. **Enzyme** 1984;31(3):187–90

Lack of correlation between [3H]ouabain binding and Na-K ATPase inhibition in rat aorta. Deth RC, et al. **Eur J Pharmacol** 1984 Mar 16;99(1):45–55

Significance of the sodium pump for airway smooth muscle. Souhrada JF, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 1):196–205

Three Na+, K+-ATPase forms in rat heart as revealed by K+/ouabain antagonism. Mansier P, et al. **FEBS Lett** 1983 Mar 21;153(2):357–60

Comparative changes of levels of nitrendipine Ca2+ channels, of tetrodotoxin-sensitive Na+ channels and of ouabain-sensitive (Na+ + K+)-ATPase following denervation of rat and chick skeletal muscle. Schmid A, et al. **FEBS Lett** 1984 Jun 25;172(1):114–8

Decrease in Na+,K+-ATPase activity and [3H]ouabain binding sites in sarcolemma prepared from hearts of spontaneously hypertensive rats. Lee SW, et al. **Hypertension** 1983 Sep–Oct;5(5):682–8

Cadmium effect on the Na,K-ATPase system in cultured vascular smooth muscle cells. Tokushige A, et al. **Hypertension** 1984 Jan–Feb;6(1):20–6

Stimulation of the Na/K pump in LK sheep erythrocytes by immunoglobulin fragments. Bratcher RL, et al. **Immunol Commun** 1983;12(6):565–71

Quantitation of Na/K ATPase pump sites in the rabbit corneal endothelium. Geroski DH, et al. **Invest Ophthalmol Vis Sci** 1984 Sep;25(9):1056–60

Decreased colonic Na-K-ATPase activity in active ulcerative colitis. Rachmilewitz D, et al. **Isr J Med Sci** 1984 Aug;20(8):681–4

Sodium and potassium ion-dependent change in oligomerization of Na,K-ATPase in C12E8 detected by low-angle laser light scattering technique in combination with high performance porous silica-gel chromatography. Nakao T, et al. **J Biochem (Tokyo)** 1983 Sep;94(3):689–97

Reaction of (Na+ + K+)-dependent adenosine triphosphatase with inorganic phosphate. Regulation by Na+, K+, and nucleotides. Askari A, et al. **J Biol Chem** 1984 Apr 10;259(7):4169–76

Purification and proteolysis of vesicles containing inside-out and right-side-out oriented reconstituted (Na+, K+)-ATPase. Chin G, et al. **J Biol Chem** 1984 Apr 25; 259(8):5255–63

Steady-state levels of phosphorylated intermediates of (Na,K)-ATPase monitored with oligomycin and anthroyloubain. Fortes PA, et al. **J Biol Chem** 1984 Sep 25;259(18):11176–9

Kinetic cooperativity change after H2O2 modification of (Na,K)-ATPase. Garner MH, et al. **J Biol Chem** 1984 Jun 25;259(12):7712–8

Secondary structural composition of the Na/K-ATPase E1 and E2 conformers. Gresalfi TJ, et al. **J Biol Chem** 1984 Feb 25;259(4):2622–8

The (Na,K)-ATPase of Friend erythroleukemia cells is phosphorylated near the ATP hydrolysis by an endogenous membrane-bound kinase. Ling L, et al. **J Biol Chem** 1984 Apr 10;259(7):4089–95

Photoaffinity labeling of (Na+K+)-ATPase with [125I]iodoazidocymarin. Lowndes JM, et al. **J Biol Chem** 1984 Aug 25;259(16):10533–8

Brain (Na+,K+)-ATPase. Opposite effects of ethanol and dimethyl sulfoxide on temperature dependence of enzyme conformation and univalent cation binding. Swann AC. **J Biol Chem** 1983 Oct 10;258(19):11780–6

(Na,K)-ATPase-mediated cation pumping in cultured rat hepatocytes. Rapid modulation by alanine and taurocholate transport and characterization of its relationship to intracellular sodium concentration. Van Dyke RW, et al. **J Biol Chem** 1983 Nov 10;258(21):12912–9

Vanadium stimulates the (Na+,K+) pump in friend erythroleukemia cells and blocks erythropoiesis. English LH, et al. **J Cell Biol** 1983 Oct;97(4):1299–302

(Na+ + K+)-ATPase correlated with a major group of intramembrane particles in freeze-fracture replicas of cultured chick myotubes. Pumplin DW, et al. **J Cell Biol** 1983 Oct;97(4):1214–25

Relationship of muscle growth in vitro to sodium pump activity and transmembrane potential. Vandenburgh HH, et al. **J Cell Physiol** 1984 Jun;119(3):283–95

Regulation of renal Na-K-ATPase in the rat. Role of the natural mineralo- and glucocorticoid hormones. Mujais SK, et al. **J Clin Invest** 1984 Jan;73(1):13–9

Kinetics of Na-ATPase activity by the Na,K pump. Interactions of the phosphorylated intermediates with Na+, Tris+, and K+. Nørby JG, et al. **J Gen Physiol** 1983 Dec;82(6):725–59

Characterization of Na+,K+-ATPase in cultured and separated neuronal and glial cells from rat cerebellum. Atterwill CK, et al. **J Neurochem** 1984 Jul;43(1):8–18

Modifications of synaptosomal Na+ -K+ -ATPase activity during vasogenic brain edema in the rabbit. Averet N, et al. **J Neurochem** 1984 Jan;42(1):275–7

Cerebral phospholipid content and Na+,K+-ATPase activity during ischemia and postischemic reperfusion in the mongolian gerbil. Enseleit WH, et al. **J Neurochem** 1984 Aug;43(2):320–7

Functional significance of the effects of neurotransmitters on the Na+,K+-ATPase system. Kometiani Z†, et al. **J Neurochem** 1984 May;42(5):1246–50

Genetic study of cationic ATPase activities and audiogenic seizure susceptibility in recombinant inbred and congenic strains of mice. Palayoor ST, et al. **J Neurochem** 1984 Feb; 42(2):529–33

Na+/K+ ATPase and cell growth IV: a metabolic marker of human brain tumors? Verna R, et al. **J Neurosurg Sci** 1983 Apr–Jun;27(2):77–82

Increased renal tubular sodium pump and Na+,K+-adenosine triphosphatase in streptozotocin-diabetic rats. Ku DD, et al. **J Pharmacol Exp Ther** 1984 Jun;229(3):664–70

(Na+, K+)-adenosine triphosphatase regulation by the sympathetic nervous system: effects of noradrenergic stimulation and lesions in vivo. Swann AC. **J Pharmacol Exp Ther** 1984 Feb;228(2):304–11

The occlusion of sodium ions within the mammalian sodium–potassium pump: its role in sodium transport. Glynn IM, et al. **J Physiol (Lond)** 1984 Jun;351:531–47

Binding of sodium and potassium to the sodium pump of pig kidney evaluated from nucleotide-binding behaviour. Jensen J, et al. **J Physiol (Lond)** 1984 Jan;346:219–41

Sodium pump stoicheiometry determined by simultaneous measurements of sodium efflux and membrane current in barnacle. Lederer WJ, et al. **J Physiol (Lond)** 1984 Mar; 348:665–77

Early in vitro stimulation of endometrial (Na+-K+)-ATPase by estradiol. Zanca M, et al. **J Recept Res** 1983;3(4):451–61

Na, K-ATPase activity, ATP and Pi concentrations in various regions of monkey heart and their relation to post-overdrive hyperpolarization. Aomine M, et al. **Jpn J Physiol** 1983;33(3):351–65

(Na+,K+)-ATPase stimulation by sucrose feeding: prevention by 6-hydroxydopamine. Swann AC. **Life Sci** 1984 Jan 23;34(4):353–7

Hormonal and nutritional enhancement of Na+-K+-ATPase activity may aid the prevention and treatment of essential hypertension. McCarty MF. **Med Hypotheses** 1984 Apr;13(4):451–63

The Na,K-ATPase hypothesis for manic-depression. I. General considerations. el-Mallakh RS. **Med Hypotheses** 1983 Nov;12(3):253–68

The Na,K-ATPase hypothesis for manic-depression. II. The mechanism of action of lithium. el-Mallakh RS. **Med Hypotheses** 1983 Nov;12(3):269–82

Changes in cell membrane Na,K-ATPase activity associated with induction of dietary obesity in the rat. Davis PJ, et al. **Metabolism** 1984 Jul;33(7):591–5

Effects of thyroxine on Na+,K+-ATPase and norepinephrine turnover in brown adipose tissue of obese (ob/ob) mice. Knehans AW, et al. **Metabolism** 1984 Jul; 33(7):652–7

Endogenous ouabain-like compound increases heart muscle contractility. Shimoni Y, et al. **Nature** 1984 Jan 26–Feb 1;307(5949):369–71

Inhibition by loperamide of deoxycholic acid induced intestinal secretion. Farack UM, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Mar; 325(3):286–9

Phenobarbital modulates the (Na+, K+)-stimulated ATPase and Ca2+-stimulated ATPase activities by increasing the bilayer fluidity of dog brain synaptosomal plasma membranes. Deliconstantinos G. **Neurochem Res** 1983 Sep; 8(9):1143–52

Effects of base exchange reaction on the Na+, K+ ATPase in rat brain microsomes. Hattori H, et al. **Neurochem Res** 1983 Sep;8(9):1185–95

Effect of electroacupuncture on synaptosomal (Na+ + K+)-ATPase. Lee DZ, et al. **Neurochem Res** 1984 May; 9(5):669–78

Effect of corticosterone and triiodothyronine on (Na+ + K+)-adenosine triphosphatase activity in rat submandibular gland. Bartolomei MS, et al. **Pflugers Arch** 1983 Dec;399(4):255–8

Short-term effects of aldosterone and dexamethasone on Na-K-ATPase along the rabbit nephron. El Mernissi G, et al. **Pflugers Arch** 1983 Oct;399(2):147–51

Short-term effect of aldosterone on renal sodium transport and tubular Na-K-ATPase in the rat. El Mernissi G, et al. **Pflugers Arch** 1983 Oct;399(2):139–46

The effect of streptozotocin-induced diabetes mellitus on urinary excretion of sodium and renal Na+-K+-ATPase activity. Wald H, et al. **Pflugers Arch** 1984 May; 401(1):97–100

Brain synaptosomal (Na+ and K+)ATPase activity as an index of tolerance to ethanol. Beaugé F, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:519–24

Na+ movement in a single turnover of the Na pump. Forbush B 3d. **Proc Natl Acad Sci USA** 1984 Sep; 81(17):5310–4

Clathrin-coated vesicles from rat liver: enzymatic profile and characterization of ATP-dependent proton transport. Van Dyke RW, et al. **Proc Natl Acad Sci USA** 1984 May; 81(10):3108–12

Effects of progesterone derivatives on sodium pump activity and force of myocardial contraction in isolated guinea pig heart. Temma K, et al. **Res Commun Chem Pathol Pharmacol** 1983 Jul;41(1):51–63

The influence of prenatal diazepam treatment on the postnatal pattern of mouse brain Na, K-ATPase activity. Weber LW, et al. **Res Commun Chem Pathol Pharmacol** 1983 Oct; 42(1):25–36

Influence of certain fish meals on (Na+ + K+)-ATPase and Ca2+-ATPase activity in rat small intestine. Rebolledo-Varela E, et al. **Rev Esp Fisiol** 1983 Jun; 39(2):197–201

The Warburg effect: two years later [letter] Racker E. **Science** 1983 Oct 21;222(4621):232

Ferritin: protection of enzymatic activity against the inhibition by divalent metal ions in vitro. Price DJ, et al. **Toxicology** 1984 May 14;31(2):151–63

Alterations of 86Rb+ fluxes in poliovirus-infected HeLa cells and their dependence on virus replication. Schaefer A, et al. **Virology** 1984 Jul 30;136(2):457–61

Activation and inhibition of Na/K-ATPase by filipin-cholesterol complexation. A correlative biochemical and ultrastructural study on the microsomal and purified enzyme of the avian salt gland. Gassner D, et al. **Z Naturforsch [C]** 1984 Jul–Aug;38(7–8):640–63

[Characteristics of (Na+ + K+)-ATPase in the gills of bass] Trigari G, et al. **Boll Soc Ital Biol Sper** 1984 Jan 30; 60(1):123–9 (Eng. Abstr.) **(Ita)**

[Enzyme histochemistry on ventricular choroid plexus (Part VII). Immunohistochemical localization of Na+, K+-ATPase] Masuzawa T, et al. **Neurol Med Chir (Tokyo)** 1984 May;24(5):297–301 (Eng. Abstr.) **(Jpn)**

[Mechanism of energy transduction in Na+, K+-ATPase] Taniguchi K. **Nippon Yakurigaku Zasshi** 1984 Mar; 83(3):193–206 (121 ref.) (Eng. Abstr.) **(Jpn)**

[Accumulation mechanism of 201Tl—K-contents and Na, K-ATPase activities of tissues] Nakamura K, et al. **Radioisotopes** 1983 Dec;32(12):626–8 (Eng. Abstr.) **(Jpn)**

[Phosphorylation of Na+, K+-ATPase—ion transport mechanism] Fukushima Y. **Tanpakushitsu Kakusan Koso** 1983 Sep;28(10):1131–44 (80 ref.) **(Jpn)**

[Effect of autonomic drugs on Na K adenosine triphosphatase activity in the heart and skeletal muscles] Dynarowicz I, et al. **Pol Arch Weter** 1983;23(4):51–61 (Eng. Abstr.) **(Pol)**

[Regulation of the number of k-binding sites of Na,K-ATPase by adenosine triphosphate] Kikvidze ZIa, et al. **Biokhimiia** 1983 Jul;48(7):1074–9 (Eng. Abstr.) **(Rus)**

[Activation characteristics of ouabain-sensitive respiration and Na,K-ATPase in the kidney cortex and medullary zone of rats adapted to cold] Medvedev LN, et al. **Biol Nauki** 1984;(7):18–23 (Eng. Abstr.) **(Rus)**

[Role of lipid peroxidation in inhibiting cardiac Na, K-ATPase during stress] Meerson FZ, et al. **Biull Eksp Biol Med** 1983 Dec;96(12):42–4 (Eng. Abstr.) **(Rus)**

[Dynamics of the change in Na, K-ATPase activity during the development of isoproterenol-induced myocardial necrosis in rats] Mel'nik VI, et al. **Biull Eksp Biol Med** 1984 Aug;97(8):184–6 (Eng. Abstr.) **(Rus)**

[Increased brain Na, K-ATPase activity of rats under stress] Sazontova TG, et al. **Biull Eksp Biol Med** 1984 May; 97(5):556–8 (Eng. Abstr.) **(Rus)**

[Activation of the ion-transporting ATPases of the lymphocyte plasma membrane as affected by mitogenic doses of polyanions] Ataullakhanov RI, et al. **Dokl Akad Nauk SSSR** 1984;274(2):479–82 **(Rus)**

[Effect of antimembrane hepatocytotoxic serum on bile secretion and Na+, K+-ATPase activity in hepatocyte membranes] Makogon NV, et al. **Fiziol Zh** 1984 Mar–Apr; 30(2):195–9 (Eng. Abstr.) **(Rus)**

[Ouabain-sensitive respiration and Na K ATPase of the skeletal muscles and brown fat in cold-adapted rats] Medvedev LN. **Fiziol Zh SSSR** 1983 Oct;69(10):1321–6 (Eng. Abstr.) **(Rus)**

[Ultracytochemistry of transport Na, K-ATPase] Bukhvalov IB, et al. **Izv Akad Nauk SSSR [Biol]** 1984 Jan–Feb; (1):62–73 (Eng. Abstr.) **(Rus)**

[Effect of thallium ions on the relation between ATP hydrolysis and 180-exchange in the Na+, K+-ATPase system] Skvortsevich EG. **Nerv Sist** 1982;23:95–8 **(Rus)**

[Effect of small doses of gamma radiation on the activity of marker enzymes in the plasma membranes of chick embryo liver] Khamidov DKh, et al. **Radiobiologiia** 1984 May–Jun;24(3):350–2 (Eng. Abstr.) **(Rus)**

[Thermostability of brain Na+, K+ -ATPase in the presence of surface-active agents] Kravtsova VV, et al. **Ukr Biokhim Zh** 1983 Jul–Aug;55(4):392–7 (Eng. Abstr.) **(Rus)**

[Mechanism of ethonium effect on membrane preparations of brain Na+, K+-ATPase] Nazarenko VI, et al. **Ukr Biokhim Zh** 1983 Jul–Aug;55(4):398–402 (Eng. Abstr.) **(Rus)**

[Na+, K+ -ATPase: causes of activation of K+ -phosphatase reaction by nucleotides] Svinukhova IA.

Ukr Biokhim Zh 1983 Jul-Aug;55(4):386-91 (Eng. Abstr.) (Rus)

[Na K-dependent ATPase activity of synaptosomes of rat cerebral hemispheres with ischemic necrosis of the myocardium, occurring after emotional-painful stress] Davydov VV, et al. Vopr Med Khim 1984 Mar-Apr; 30(2):61-3 (Eng. Abstr.) (Rus)

[Effects of a diet with various polyunsaturated fatty acid contents on the secretion of prostaglandins and ATPase activity in the rat myocardium in total ischemia] Smirnov IE, et al. Vopr Pitan 1983 Nov-Dec;(6):59-63 (Eng. Abstr.) (Rus)

PHYSIOLOGY

The electrogenic Na-K pump current and actions of the cardiac glycosides. Noble D. Basic Res Cardiol 1984;79 Suppl:72-8

Sodium-potassium ATPase, calcium, and immunological histamine release. Frossard N, et al. Biochem Pharmacol 1983 Nov 1;32(21):3259-62

[Function and purification of Na+, K+-ATPase] Hayashi Y. Tanpakushitsu Kakusan Koso 1983 Oct;28(11):1201-17 (109 ref.) (Jpn)

RADIATION EFFECTS

Radiation inactivation of (Na,K)-ATPase, an enzyme showing multiple radiation-sensitive domains. Ottolenghi P, et al. J Biol Chem 1983 Dec 25;258(24):14895-907

ADENOSINE TRIPHOSPHATE

The importance of changes in ATP and ADP concentrations in the development of the phasic superprecipitation of actomyosin. Csabina S, et al.
Acta Biochim Biophys Acad Sci Hung 1983;18(3-4):231-6

Measurement of the dissociation constant of MgATP at physiological nucleotide levels by a combination of 31P NMR and optical absorbance spectroscopy. Gupta RK, et al. Biochem Biophys Res Commun 1983 Nov 30; 117(1):210-6

Characterization of the ATP-G-actin aggregates formed at low potassium chloride concentration. Grazi E, et al. Biochem J 1984 Apr 1;219(1):273-6

On the metal-ion coordinating properties of the 5'-monophosphates of 1, N6-ethenoadenosine (epsilon-AMP), adenosine and uridine. Comparison of the macrochelate formation in the complexes of epsilon-AMP, AMP, ADP and ATP. Sigel H, et al. Eur J Biochem 1984 Jan 16;138(2):291-9

[Studies of ATP-utilizing enzymes using Cr-ATP and Co-ATP complexes as substrate analogues] Meshitsuka S. Seikagaku 1983 May;55(5):320-4 (Jpn)

ADMINISTRATION & DOSAGE

Improved survival and reticuloendothelial function with intravenous ATP-MgCl2 following hemorrhagic shock. Hirasawa H, et al. Circ Shock 1983;11(2):141-8

[Hemodynamic effect of the combined administration of dobutamine and ATP after hemorrhagic shock] Takekawa K, et al. Masui 1984 Feb;33(2):131-6 (Eng. Abstr.) (Jpn)

[Effect of adenosine triphosphate-magnesium chloride administration for post-ischemic acute renal failure (I)] Shimizu K, et al. Nippon Yakurigaku Zasshi 1983 Dec; 82(6):465-74 (Eng. Abstr.) (Jpn)

ADVERSE EFFECTS

Atrial fibrillation induced by adenosine triphosphate. Belhassen B, et al. Am J Cardiol 1984 May 1;53(9):1405-6

Adenosine/ATP and induced hypotension [letter] Gonzalez-Miranda F, et al. Anesth Analg 1984 May; 63(5):538-9

ANALOGS & DERIVATIVES

Blockade of non-cholinergic non-adrenergic colonic contraction in response to pelvic nerve stimulation by large doses of alpha, beta-methylene ATP. Hedlund H, et al. Acta Physiol Scand 1983 Dec;119(4):451-4

Cross-bridge states in invertebrate muscles. Wray JS. Adv Exp Med Biol 1984;170:185-92

Angles of fluorescently labelled myosin heads and actin monomers in contracting and rigor stained muscle fiber. Yanagida T. Adv Exp Med Biol 1984;170:397-411

Interaction of nitrogenase with nucleotide analogs of ATP and ADP and the effect of metal ions on ADP inhibition. Weston MF, et al. Arch Biochem Biophys 1983 Sep; 225(2):809-17

Inhibition of brain hexokinase by a multisubstrate analog results from binding to a discrete regulatory site. Manning TA, et al. Biochem Biophys Res Commun 1984 Jan 13; 118(1):90-6

Photoaffinity labelling of the ATP-binding site of the epidermal growth factor-dependent protein kinase. Kudlow JE, et al. Biochem J 1984 Jun 15;220(3):677-83

Modification of the interactions of myosin with actin and 5'-adenylyl imidodiphosphate by substitution of ethylene glycol for water. Marston SB, et al. Biochem J 1984 Jan 1;217(1):169-77

Biochemistry of terminal deoxynucleotidyltransferase: characterization and properties of photoaffinity labeling with 8-azidoadenosine 5'-triphosphate. Abraham KI, et al. Biochemistry 1983 Aug 30;22(18):4197-203

Photoaffinity labeling of the major nucleosidetriphosphatase of rat liver nuclear envelope. Clawson GA, et al. Biochemistry 1984 Jul 17;23(15):3501-7

Crystals of Bacillus stearothermophilus tryptophanyl-tRNA synthetase containing enzymatically formed acyl transfer product tryptophanyl-ATP, an active site maker for the 3' CCA terminus of tryptophanyl-tRNATrp. Coleman DE, et al. Biochemistry 1984 Jan 17;23(2):381-5

Nucleoside 5'-(beta, gamma-peroxytriphosphates). Gibson KJ, et al. Biochemistry 1984 Jan 3;23(1):78-85

Nuclear Overhauser effect studies of the conformations of tetraamminecobalt(III)-adenosine 5'-triphosphate free and bound to bovine heart protein kinase. Rosevear PR, et al. Biochemistry 1983 Jul 5;22(14):3439-47

Photoaffinity labeling of DNA-dependent RNA polymerase from Escherichia coli with 8-azidoadenosine 5'-triphosphate. Woody AY, et al. Biochemistry 1984 Jun 19;23(13):2843-8

Tautomerism of 2-azidoadenine nucleotides. Effects on enzyme kinetics and photoaffinity labeling. Czarnecki JJ. Biochim Biophys Acta 1984 Jul 16;800(1):41-51

Phosphorothioate analogues of adenosine triphosphate as substrates of the mevalonate kinase reaction. Lee CS, et al. Biochim Biophys Acta 1984 Jun 14;787(2):131-7

Hydrolysis of adenylyl imidodiphosphate in the presence of Na+ + Mg2+ by (Na+ + K+)-activated ATPase. Schuurmans Stekhoven FM, et al. Biochim Biophys Acta 1983 Dec 7;736(1):73-8

Effects of phosphorothioate analogues of ATP, ADP and AMP on guinea-pig taenia coli and urinary bladder. Burnstock G, et al. Br J Pharmacol 1984 Jun;82(2):369-74

Some pharmacological and biochemical interactions of the enantiomers of adenylyl 5'-(beta, gamma-methylene)-diphosphonate with the guinea-pig urinary bladder. Cusack NJ, et al. Br J Pharmacol 1984 May;82(1):155-9

Desensitization of the guinea-pig urinary bladder by the enantiomers of adenylyl 5'-(beta, gamma-methylene)-diphosphonate and by substance P. Hourani SM. Br J Pharmacol 1984 May;82(1):161-4

Nuclear beta-globin RNA transcripts initiated in vitro with gamma-thio nucleoside triphosphate. Weidner DA, et al. Cell Biophys 1983 Dec;5(4):255-64

The effects of adenyl compounds on the heart of the axolotl (Ambystoma mexicanum). Meghji P, et al. Comp Biochem Physiol [C] 1983;76(2):319-26

ATP analog specificity of cAMP-dependent protein kinase, cGMP-dependent protein kinase, and phosphorylase kinase. Flockhart DA, et al. Eur J Biochem 1984 Apr 16; 140(2):289-95

Inhibition of excitatory junction potentials in guinea-pig vas deferens by alpha, beta-methylene-ATP: further evidence for ATP and noradrenaline as cotransmitters. Sneddon P, et al. Eur J Pharmacol 1984 Apr 13;100(1):85-90

Inactivation of beef heart mitochondrial F1-ATPase by the 2',3'-dialdehyde derivatives of adenine nucleotides. de Melo DF, et al. FEBS Lett 1984 Apr 9;169(1):101-6

Conformational change of Ca2+,Mg2+-adenosine triphosphatase of sarcoplasmic reticulum upon binding of Ca2+ and adenyl-5'-yl-imidodiphosphate as detected by trypsin sensitivity analysis. Imamura Y, et al. J Biochem (Tokyo) 1984 May;95(5):1305-13

Reaction of (Na+ + K+)-dependent adenosine triphosphatase with inorganic phosphate. Regulation by Na+, K+, and nucleotides. Askari A, et al. J Biol Chem 1984 Apr 10;259(7):4169-76

Fluorescence studies of threonine-promoted conformational transitions in aspartokinase I using the substrate analogue 2'(3')-O-(2,4,6-trinitrophenyl)adenosine 5'-triphosphate. Broglie KE, et al. J Biol Chem 1983 Nov 10; 258(21):12940-6

Labeling the adenine nucleotide binding domain of the sarcoplasmic reticulum Ca,Mg-ATPase with photoaffinity analogs of ATP. Cable MB, et al. J Biol Chem 1984 Mar 25;259(6):3612-5

The structure of recA protein-DNA filaments. 2 recA protein monomers unwind 17 base pairs of DNA by 11.5 degrees/base pair in the presence of adenosine 5'-O-(3-thiotriphosphate). Chrysogelos S, et al. J Biol Chem 1983 Oct 25;258(20):12624-31

Adenosine 5'-O-(3-thiotriphosphate) can support the formation of an initiation complex between the DNA polymerase III holoenzyme and primed DNA. Johanson KO, et al. J Biol Chem 1984 Apr 10;259(7):4589-95

N6-methyldeoxyadenosine 5'-triphosphate as a probe of the fidelity mechanisms of bacteriophage T4 DNA polymerase. Mace DC. J Biol Chem 1984 Mar 25;259(6):3616-9

Adenosine 5'-O-(3-thio)triphosphate, a substrate and potent inhibitor of Escherichia coli succinyl-CoA synthetase. Additional evidence for a cooperative alternating-sites mechanism. Nishimura JS, et al. J Biol Chem 1984 Aug 10;259(15):9642-5

The photoaffinity probe 8-azidoadenosine 5'-triphosphate selectively labels the heavy chain of Chlamydomonas 12 S dynein. Pfister KK, et al. J Biol Chem 1984 Jul 10; 259(13):8499-504

Limited proteolysis and photoaffinity labeling with 8-azido-ATP of fructose-6-phosphate,2-kinase and fructose-2,6-bisphosphatase. Sakakibara R, et al. J Biol Chem 1984 Jul 10;259(13):8366-71

ATP-gamma-S (adenosine 5'-0(3-thiotriphosphate)) blocks progesterone-induced maturation of the Xenopus oocyte. Bellé R, et al. J Exp Zool 1984 Jul;231(1):131-6

Distance between nucleotide site and cysteine-373 of G-actin by resonance energy transfer measurements. Cheung HC, et al. J Muscle Res Cell Motil 1984 Feb;5(1):65-80

Modification of crossbridge states by ethylene glycol in insect flight muscle. Clarke ML, et al. J Muscle Res Cell Motil 1984 Feb;5(1):81-96

An analysis of biphasic time courses: the inactivation of (Na+ + K+)-ATPase and Ca2+-ATPase by ATP-analogs. Fritzsch G, et al. J Theor Biol 1983 Jun 21;102(4):469-76

Thiophosphorylation prevents catecholamine secretion by chemically skinned chromaffin cells. Brooks JC, et al. Life Sci 1984 Jul 30;35(5):569-74

[Increase in radiation effectiveness by adeturon in mice with Lewis carcinoma] Mircheva II. Radiobiologia 1984 Mar-Apr;24(2):258-61 (Eng. Abstr.) (Rus)

ANALYSIS

Direct membrane-damaging effect of ketoconazole and tioconazole on Candida albicans demonstrated by bioluminescent assay of ATP. Anséhn S, et al. Antimicrob Agents Chemother 1984 Jul;26(1):22-5

Relation of rumen ATP concentration to bacterial and protozoal numbers. Nuzback DE, et al. Appl Environ Microbiol 1983 Sep;46(3):533-8

Calculation of free-Mg2+ concentration in adenosine 5'-triphosphate containing solutions in vitro and in vivo. Garfinkel L, et al. Biochemistry 1984 Jul 17;23(15):3547-52

Phosphorus-31 NMR studies of smooth muscle from guinea-pig taenia coli. Vogel HJ, et al. Biosci Rep 1983 Sep;3(9):863-70

Demonstration of sustained increases in myocardial ATP following preischemic enhancement. Laschinger JC, et al. Curr Surg 1984 Mar-Apr;41(2):104-6

Protective effect of nifedipine in myocardial ischemia assessed by phosphorus-31 nuclear magnetic resonance. Ruigrok TJ, et al. Eur Heart J 1983 May;4 Suppl C:109-13

Ethacrynic acid inhibition of histamine release from rat mast cells: effect on cellular ATP levels and thiol groups. Johansen T. Eur J Pharmacol 1983 Sep 2;92(3-4):181-9

Regional changes of blood flow, glucose, and ATP content determined on brain sections during a single passage of spreading depression in rat brain cortex. Mies G, et al. Exp Neurol 1984 May;84(2):249-58

Adenosine triphosphate in human semen: a quantitative estimate of fertilizing potential. Comhaire F, et al. Fertil Steril 1983 Oct;40(4):500-4

Adenosine triphosphate content of Mycobacterium leprae from leprosy patients. Dhople AM. Int J Lepr 1984 Jun; 52(2):183-8

Determination of susceptibility of Staphylococcus aureus to methicillin by luciferin-luciferase assay of bacterial adenosine triphosphate. McWalter PW. J Appl Bacteriol 1984 Feb;56(1):145-50

The rapid estimation of microbial contamination of raw meat by measurement of adenosine triphosphate (ATP). Stannard CJ, et al. J Appl Bacteriol 1983 Dec;55(3):429-38

Evidence for an ATP cap at the ends of actin filaments and its regulation of the F-actin steady state. Carlier MF, et al. J Biol Chem 1984 Aug 25;259(16):9983-6

Rapid detection of bacterial growth in blood cultures by bioluminescent assay of bacterial ATP. Molin O, et al. J Clin Microbiol 1983 Sep;18(3):521-5

Determination of glutathione and ATP in ganglia and individual neurons of Aplysia californica. Stein C, et al. J Neurochem 1984 Apr;42(4):1170-4

Effects of palytoxin on Na, K and ATP contents of vascular smooth muscle of rabbit aorta. Ozaki H, et al. Jpn J Pharmacol 1984 Jan;34(1):57-66

Na, K-ATPase activity, ATP and Pi concentrations in various regions of monkey heart and their relation to post-overdrive hyperpolarization. Aomine M, et al. Jpn J Physiol 1983;33(3):351-65

Cellular ATP content of heated Chinese hamster ovary cells. Henle KJ, et al. Radiat Res 1984 Mar;97(3):630-3

[Determination of the living cell count of cariogenic microorganisms using the measurement of their ATP content in the bioluminescence procedure--a critical look at the method] Steinke A, et al. Dtsch Zahnarztl Z 1983 Oct;38(10):918-20 (Eng. Abstr.) (Ger)

[High-performance liquid chromatography for determination of adenosine-5'-triphosphate in biological materials] Shimizu K, et al. Yakugaku Zasshi 1983 Dec;103(12):1323-6 (Eng. Abstr.) (Jpn)

[Correlation between the oxidative activity and metabolic state of mitochondria during a 24-hour period] Kaminskii IuG, et al. Ukr Biokhim Zh 1984 Jan-Feb;56(1):34-8 (Eng. Abstr.) (Rus)

ANTAGONISTS & INHIBITORS

The effect of phenformin and other adenosine triphosphate (ATP)-lowering agents on insulin binding to IM-9 human cultured lymphocytes. Vigneri R, et al. J Cell Biochem 1984;24(2):177-86

Effect of N-5' on histamine release from rat peritoneal exudate cells induced by calcium ionophore and ATP. Ujiie A, et al. Jpn J Pharmacol 1984 Jan;34(1):9-14

BIOSYNTHESIS

Enhanced ATP and GTP synthesis from hypoxanthine or inosine after myocardial ischemia. Harmsen E, et al. **Am J Physiol** 1984 Jan;246(1 Pt 2):H37–43

Hypothesis—a chemical mechanism for the biosynthesis of ATP involving ion–exchange reactions. Jenkins WT, et al. **Arch Biochem Biophys** 1984 Aug 1;232(2):496–504

Analysis of relationships between the protonmotive force and rates and extents of ATP synthesis. Ferguson SJ, et al. **Biochem Soc Trans** 1984 Jun;12(3):416–9

Correlations between ATP hydrolysis, ATP synthesis, generation and utilization of delta pH in mitochondrial ATPase–ATP synthase. Deléage G, et al. **Biochim Biophys Acta** 1983 Dec 30;725(3):464–71

Metabolism of pachytene primary spermatocytes from rat testes: pyruvate maintenance of adenosine triphosphate level. Nakamura M, et al. **Biol Reprod** 1984 Jun; 30(5):1187–97

Inhibition by dicyclohexylcarbodiimide of ATP synthesis in isolated rat hepatocytes. Emami S, et al. **Biosci Rep** 1984 Mar;4(3):189–94

Stimulation of ATP synthesis in hypothermically perfused dog kidneys by adenosine and PO4. Southard JH, et al. **Cryobiology** 1984 Feb;21(1):13–9

Coupling of ATP synthesis and methane formation from methanol and molecular hydrogen in Methanosarcina barkeri. Blaut M, et al. **Eur J Biochem** 1984 May 15; 141(1):217–22

Assay of ATP synthesis using single giant mitochondria. Campo ML, et al. **Eur J Biochem** 1984 May 15;141(1):1–4

Early release of the density-dependent inhibition of phosphate uptake and ATP synthesis after src gene expression in chick embryo fibroblasts. Jullien M, et al. **Exp Cell Res** 1984 Jun;152(2):390–401

A new model of proton motive ATP synthesis: acid–base cluster hypothesis. Kagawa Y. **J Biochem (Tokyo)** 1984 Jan;95(1):295–8

The synthesis of ATP by the membrane–bound ATP synthase complex from medium 32Pi under completely uncoupled conditions. Feldman RI, et al. **J Biol Chem** 1983 Oct 25; 258(20):12178–83

The effect of permeant buffers on initial ATP synthesis by chloroplasts using rapid mix–quench techniques. Horner RD, et al. **J Biol Chem** 1983 Oct 10;258(19):11643–7

Voltage–driven ATP synthesis by beef heart mitochondrial F0F1–ATPase. Knox BE, et al. **J Biol Chem** 1984 Apr 25;259(8):4757–63

Does mitochondrial ATP synthesis decline as a function of change in the membrane environment with ageing. Clandinin MT, et al. **Mech Ageing Dev** 1983 Jul–Aug; 22(3–4):205–8

Delayed phytohemagglutinin–stimulated production of adenosine triphosphate by aged human lymphocytes: possible relation to mitochondrial dysfunction. Verity MA, et al. **Mech Ageing Dev** 1983 Sep;23(1):53–65

Conformational coupling in H+–pumps and ATP synthesis—its analysis with anisotropic inhibitors of energy transduction in oxidative phosphorylation. Higuti T. **Mol Cell Biochem** 1984;61(1):37–61 (217 ref.)

[Conformational coupling in H+–pumps and ATP synthesis—analysis with anisotropic inhibitors of energy transduction in oxidative phosphorylation] Higuti T. **Seikagaku** 1984 Mar;56(3):151–83 (223 ref.) **(Jpn)**

[The mitochondrial carrier of adenylates controls ATP production in the physiological range of respiration rates] Kholodenko BN. **Biofizika** 1984 May–Jun;29(3):453–8 (Eng. Abstr.) **(Rus)**

[The effect of external factors on ATP synthesis during sudden pH increase in mitochondria] Malenkova IV, et al. **Biofizika** 1984 Mar–Apr;29(2):328–9 (Eng. Abstr.) **(Rus)**

[The role of lipids in the regulation of ATP and PPi synthesis in mitochondria] Mansurova SE, et al. **Ukr Biokhim Zh** 1984 May–Jun;56(3):331–9 (Eng. Abstr.) **(Rus)**

[Linking of the insulin–receptor complex with the membrane transport system through ATP generation by plasma membranes] Karelin AA. **Vestn Akad Med Nauk SSSR** 1983;(7):74–85 (116 ref.) **(Rus)**

BLOOD

ATP synthesis catalyzed by the purified erythrocyte Ca–ATPase in the absence of calcium gradients. Chiesi M, et al. **Biochemistry** 1984 Jun 5;23(12):2595–600

31P NMR studies of nucleotide storage in the dense granules of pig platelets. Uğurbil K, et al. **Biochemistry** 1984 Jan 31;23(3):409–16

Close correlation between platelet responses and adenylate energy charge during transient substrate depletion. Akkerman JW, et al. **Biochim Biophys Acta** 1983 Oct 4; 760(1):34–41

Irreversible ATP depletion caused by low concentrations of formaldehyde and of calcium–chelator esters in intact human red cells. Tiffert T, et al. **Biochim Biophys Acta** 1984 Jun 13;773(1):143–56

Involvement of polyphosphoinositides in the ATP turnover of intact human erythrocytes and in the ATPase activity of purified membranes. Maretzki D, et al. **Biomed Biochim Acta** 1983;42(11–12):S72–6

Balance of ATP consumption of reticulocytes. Siems W, et al. **Biomed Biochim Acta** 1983;42(11–12):S218–22

Importance of platelet–free preparations for evaluating lymphocyte nucleotide levels in inherited or acquired immunodeficiency syndromes. Goday A, et al. **Clin Sci** 1983 Dec;65(6):635–43

Biological aspects of amazonian fishes I. Red blood cell phosphates of schooling fishes (genus Semaprochilodus: Prochilodontidae). Val AL, et al. **Comp Biochem Physiol [B]** 1984;78(1):215–7

Accounting for the ATP–consuming processes in rabbit reticulocytes. Siems W, et al. **Eur J Biochem** 1984 Feb 15;139(1):101–7

Metabolic properties of low ATP erythrocytes of the monotremes. Kim HD, et al. **FEBS Lett** 1984 Feb 13; 167(1):83–7

Properties of ATPases and energy–rich phosphates in erythrocytes of young and old individuals. Vömel T. **Gerontology** 1984;30(1):22–5

Vanadate inhibits the ATP–dependent degradation of proteins in reticulocytes without affecting ubiquitin conjugation. Tanaka K, et al. **J Biol Chem** 1984 Mar 10; 259(5):2803–9

Pyruvate kinase and the 'high ATP syndrome'. Staal GE, et al. **J Clin Invest** 1984 Jul;74(1):231–5

Temperature–dependence of ATP level, organic phosphate production and Na,K–ATPase in human lymphocytes. Negendank W, et al. **Physiol Chem Phys** 1982;14(6):513–8

Effect of acclimation temperature on intraerythrocytic acid–base balance and nucleoside triphosphates in the carp, Cyprinus carpio. Albers C, et al. **Respir Physiol** 1983 Nov; 54(2):145–59

Methodological aspects on the firefly luciferase assay of adenine nucleotides in whole blood and red blood cells. Olsson T, et al. **Scand J Clin Lab Invest** 1983 Dec; 43(8):657–64

Dihydroxyacetone, pyruvate, and phosphate effects on 2,3 DPG and ATP in citrate–phosphate–dextrose–adenine blood preservation. Dawson RB, et al. **Transfusion** 1984 Jul–Aug;24(4):327–9

[Sodium, potassium and adenosine triphosphate concentrations in the erythrocytes of children with acute leukemia and other hematologic diseases] Rokicka–Milewska R, et al. **Pediatr Pol** 1983 Jul; 58(7):585–90 (Eng. Abstr.) **(Pol)**

[Changes in erythrocyte metabolism during treatment of experimental salmonellosis poisoning] Tselik NI, et al. **Patol Fiziol Eksp Ter** 1983 Nov–Dec;(6):12–4 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

Calcium–ion catalysed nonenzymatic ATP synthesis from ADP and carbamylphosphate. Saygin O, et al. **Orig Life** 1984;14(1–4):139–44

[Improved method of the synthesis of super–hot (gamma–32P)ATP] Shinozawa T, et al. **Seikagaku** 1983 Sep;55(9):1099–101 **(Jpn)**

DIAGNOSTIC USE

Value of purinic compounds in assessing sinus node dysfunction in man: a new diagnostic method. Benedini G, et al. **Eur Heart J** 1984 May;5(5):394–403

A new system for ATP–metric immunoanalysis. Grachev MA, et al. **FEBS Lett** 1983 Oct 17;162(2):266–9

ISOLATION & PURIFICATION

[Isolation and quantitative analysis of ATP, synthesized by preparations of enriched plasma membrane portions from various tissues in the presence of insulin and somatotropin] Karelin AA, et al. **Vopr Med Khim** 1983 Nov–Dec; 29(6):99–105 (Eng. Abstr.) **(Rus)**

METABOLISM

Effect of warfarin on ATP content, viability, glycosylation and protein synthesis in isolated rat hepatocytes. Gjerde H, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 May; 54(5):385–8

Utilization of adenosine triphosphate in rat mast cells during and after secretion of histamine in response to compound 48/80. Johansen T. **Acta Pharmacol Toxicol (Copenh)** 1983 Sep;53(3):245–9

Somatostatin effect on the level of adenyl nucleotides in the blood and tissues of rats during short–lasting hypothermia. Krauss H, et al. **Acta Physiol Pol** 1983 Jul–Aug; 34(4):437–44

Energy metabolism and ATP turnover time during the cell cycle in roentgen irradiated Ehrlich ascites tumour cells. Skog S, et al. **Acta Radiol [Oncol]** 1983;22(5):369–79

Effect of hypoxia and exercise on nucleotide metabolism in man. Harkness RA, et al. **Adv Exp Med Biol** 1984;165 Pt B:437–42

The effect of shortening on energy liberation and high energy phosphate hydrolysis in frog skeletal muscle. Homsher E, et al. **Adv Exp Med Biol** 1984;170:865–81

Influence of cytostatics on ATP–levels of leukemic cells. Kuzmits R, et al. **Adv Exp Med Biol** 1984;165 Pt B:383–8

Aldosterone response in the turtle bladder is associated with an increase in ATP. Cortas N, et al. **Am J Physiol** 1983 Oct;245(4):F512–4

Enhanced recovery of renal ATP with postischemic infusion of ATP–MgCl2 determined by 31P–NMR. Siegel NJ, et al. **Am J Physiol** 1983 Oct;245(4):F530–4

Determination of coupling ratios of the calcium pump of sarcoplasmic reticulum by pulse methods. Meltzer S, et al. **Anal Biochem** 1984 May 1;138(2):458–64

Effects of methyl xanthines upon the spermatozoa adenosinetriphosphate (ATP) concentration in normal semen. Calamera JC, et al. **Andrologia** 1984 Jul–Aug; 16(4):358–61

Halothane effects on ATP content and uridine uptake and phosphorylation in Tetrahymena pyriformis. Conklin KA, et al. **Anesthesiology** 1984 Jul;61(1):78–82

Chronic hypoxemia depresses global ventricular function and predisposes to the depletion of high–energy phosphates during cardioplegic arrest: implications for surgical repair of cyanotic congenital heart defects. Silverman NA, et al. **Ann Thorac Surg** 1984 Apr;37(4):304–8

Enzymatic synthesis of S–adenosyl–L–methionine from L–methionine and ATP. Gross A, et al. **Appl Biochem Biotechnol** 1983 Oct;8(5):415–22

ATP depletion promotes deactivation of insulin–stimulated sugar transport in rat soleus muscle. Kaldawi RE, et al. **Arch Biochem Biophys** 1983 Oct 15;226(2):612–7

Localization of the ATP binding site on alpha–tubulin. Zabrecky JR, et al. **Arch Biochem Biophys** 1983 Sep; 225(2):475–81

Microregional blood flow and high energy phosphates under conditions of high O2 supply in left ventricular subendocardium. Kleinert HD, et al. **Arch Int Physiol Biochim** 1983 Sep;91(3):145–57

Ca2+– and Mg2+–activated ATP hydrolysis in normal and carious human dentine. Läikkö I. **Arch Oral Biol** 1984; 29(1):33–8

The effects of ATP depletion and ionophore A23187 on calcium transport in the secretory rat enamel organ. Vicars TM, et al. **Arch Oral Biol** 1983;28(6):513–6

Myocardial adenosine triphosphate levels during early sepsis. Pasque MK, et al. **Arch Surg** 1983 Dec;118(12):1437–40

Cartilage nucleoside triphosphate (NTP) pyrophosphohydrolase. I. Identification as an ecto–enzyme. Ryan LM, et al. **Arthritis Rheum** 1984 Apr;27(4):404–9

Evolution of cellular ATP concentration after UV–mediated induction of SOS system in Escherichia coli. Barbé J, et al. **Biochem Biophys Res Commun** 1983 Dec 16; 117(2):556–61

Effect of benzamide on cell growth, NAD and ATP levels in cultured chick limb bud cells. Nakanishi S, et al. **Biochem Biophys Res Commun** 1984 Jun 15;121(2):710–6

The possible role of ATP–dependent proteolysis on the solubilization of methemoglobin reductase during reticulocyte maturation. Raw I, et al. **Biochem Biophys Res Commun** 1983 Oct 31;116(2):357–9

ATP–stimulated accumulation of calcium by chromaffin granules and mitochondria from the adrenal medulla. von Grafenstein HR, et al. **Biochem Biophys Res Commun** 1983 Nov 30;117(1):245–51

An adenine nucleotide–phosphoenolpyruvate counter–transport system in C3 and C4 plant chloroplasts. Woldegiorgis G, et al. **Biochem Biophys Res Commun** 1983 Nov 15;116(3):945–51

ATP–dependence of 125I–insulin binding by rat soleus muscle. Lim YH, et al. **Biochem Int** 1983 Feb;6(2):163–9

Nucleotide catabolism and nucleoside cycles in human thymocytes. Role of orthophosphate. Barankiewicz J, et al. **Biochem J** 1984 Apr 1;219(1):197–203

Effect of long–chain fatty acyl–CoA on mitochondrial and cytosolic ATP/ADP ratios in the intact liver cell. Soboll S, et al. **Biochem J** 1984 Jun 1;220(2):371–6

The effects of glibenclamide on rat islet radioactive nucleotide efflux, ATP contents and respiratory rates. Welsh M. **Biochem Pharmacol** 1983 Oct 1;32(19):2903–8

'Cross–talk' between redox– and ATP–driven H+ pumps. Azzone GF, et al. **Biochem Soc Trans** 1984 Jun;12(3):414–6

Mechanical response to photochemical release of ATP within skinned muscle fibres. Hibberd MG, et al. **Biochem Soc Trans** 1983 Apr;11(2):151

Estrogen–induced changes in high–energy phosphate metabolism in rat uterus: 31P NMR studies. Degani H, et al. **Biochemistry** 1984 Jun 5;23(12):2572–7

Nucleotide in monomeric actin regulates the reactivity of the thiol groups. Faulstich H, et al. **Biochemistry** 1984 Apr 10;23(8):1608–12

Inhibitory chemical modifications of F1–ATPase: effects on the kinetics of adenosine 5'–triphosphate synthesis and hydrolysis in reconstituted systems. Matsuno–Yagi A, et al. **Biochemistry** 1984 Jul 17;23(15):3508–14

Substrate depletion analysis as an approach to the pre–steady–state anticooperative kinetics of aminoacyl adenylate formation by tryptophanyl–tRNA synthetase from beef pancreas. Merle M, et al. **Biochemistry** 1984 Apr 10;23(8):1716–23

Effect of lipid composition on the calcium/adenosine 5'–triphosphate coupling ratio of the Ca2+–ATPase of sarcoplasmic reticulum. Navarro J, et al. **Biochemistry** 1984 Jan 3;23(1):130–5

Calmodulin stimulates both adenosine 5'–triphosphate hydrolysis and synthesis catalyzed by a cardiac calcium ion dependent adenosinetriphosphatase. Oliva JM, et al. **Biochemistry** 1983 Dec 6;22(25):5822–5

Kinetics of calcium uptake by isolated sarcoplasmic reticulum vesicles using flash photolysis of caged adenosine 5'–triphosphate. Pierce DH, et al. **Biochemistry** 1983 Nov 8;22(23):5254–61

Energetics of ATP–driven reverse electron transfer from cytochrome c to fumarate and from succinate to NAD

in submitochondrial particles. Scholes TA, et al. **Biochemistry** 1984 Jul 3;23(14):3341–5

Oxygen–exchange studies on the pathways for magnesium adenosine 5'–triphosphate hydrolysis by actomyosin. Shukla KK, et al. **Biochemistry** 1983 Sep 27;22(20):4822–30

Phosphorylation in sealed rod outer segments: effects of cyclic nucleotides. Shuster TA, et al. **Biochemistry** 1984 Jan 31;23(3):515–21

Poly(ADP–ribose) Polymerase inhibitors preserve nicotinamide adenine dinucleotide and adenosine 5'–triphosphate pools in DNA–damaged cells: mechanism of stimulation of unscheduled DNA synthesis. Sims JL, et al. **Biochemistry** 1983 Oct 25;22(22):5188–94

Tryptophan emission from myosin subfragment 1: acrylamide and nucleotide effect monitored by decay–associated spectra. Torgerson PM. **Biochemistry** 1984 Jun 19; 23(13):3002–7

The competition between adenosine triphosphate and inorganic pyrophosphate for myosin and its suppression by substoichiometric actin concentrations. Dancker P. **Biochim Biophys Acta** 1983 Dec 28;749(3):296–301

Compartmentation of high–energy phosphates in resting and working rat skeletal muscle. Hebisch S, et al. **Biochim Biophys Acta** 1984 Feb 27;764(2):117–24

Metabolic studies of mammalian cells by 31P–NMR using a continuous perfusion technique. Knop RH, et al. **Biochim Biophys Acta** 1984 Jul 20;804(3):275–84

Characteristics of adenine nucleotide fluxes and transport in human tumor mitochondria. Knowles AF. **Biochim Biophys Acta** 1984 Feb 27;764(2):203–12

Structural difference between two ATP–binding sites of heavy meromyosin revealed by the dynamic fluorescence quenching techniquc. Miyata H, et al. **Biochim Biophys Acta** 1984 Jun 14;787(2):113–21

Inhibition of (Na+,K+)–ATPase by magnesium ions and inorganic phosphate and release of these ligands in the cycles of ATP hydrolysis. Pedemonte CH, et al. **Biochim Biophys Acta** 1983 Oct 28;748(2):245–53

Evidence against parallel operation of sodium/calcium antiport and ATP–driven calcium transport in plasma membrane vesicles from kidney tubule cells. Schönfeld W, et al. **Biochim Biophys Acta** 1984 Mar 14;770(2):183–94

Inhibitory effect of diethylstilbestrol on histamine release by rat mast cells and its relation to the cellular ATP content. Suzuki T, et al. **Biochim Biophys Acta** 1984 Apr 16; 803(4):323–30

Influence of precursors of biosyntheses on the energy metabolism of the liver cell. Letko G, et al. **Biomed Biochim Acta** 1983;42(4):323–33

Unidirectional calcium and nucleotide fluxes in sarcoplasmic reticulum. I. Interpretation of flux ratios for different reaction schemes. Feher JJ. **Biophys J** 1984 Jun; 45(6):1125–33

Undirectional calcium and nucleotide fluxes in cardiac sarcoplasmic reticulum. II. Experimental results. Feher JJ, et al. **Biophys J** 1984 Jun;45(6):1135–44

The energy equivalents of ATP and the energy values of food proteins and fats. Livesey G. **Br J Nutr** 1984 Jan; 51(1):15–28

Metabolic and flow correlates of myocardial ischaemia. Hearse DJ, et al. **Cardiovasc Res** 1983 Aug;17(8):452–8

Anaerobic glycolysis and the development of ischaemic contracture in isolated rat heart. Lipasti JA, et al. **Cardiovasc Res** 1984 Mar;18(3):145–8

Calcium–dependent 4–aminopyridine stimulation of protein phosphorylation in squid optic lobe synaptosomes. Pant HC, et al. **Cell Mol Neurobiol** 1983 Sep;3(3):223–38

Recovery of Ca currents from inactivation: the roles of Ca influx, membrane potential, and cellular metabolism. Yatani A, et al. **Cell Mol Neurobiol** 1983 Dec;3(4):381–95

Release of ATP from adrenergic nerves controlling pigment aggregation in tilapia melanophores. Kumazawa T, et al. **Comp Biochem Physiol [C]** 1984;78(1):1–4

Interaction of brain megamodulin with nicotinamide adenine dinucleotide, phosphohistones and adenosine triphosphate. Kuo WN, et al. **Cytobios** 1984;39(155–156):159–64

Changes in nucleotide–binding proteins during oocyte maturation in Xenopus laevis. Richardson C, et al. **Dev Biol** 1983 Sep;99(1):240–7

Distantly related sequences in the alpha– and beta–subunits of ATP synthase, myosin, kinases and other ATP–requiring enzymes and a common nucleotide binding fold. Walker JE, et al. **EMBO J** 1982;1(8):945–51

31P–NMR studies of the freeze–tolerant larvae of the gall fly, Eurosta solidaginis. Storey KB, et al. **Eur J Biochem** 1984 Aug 1;142(3):591–5

Catalytical mechanism of the phenylalanyl–tRNA synthetase from yeast. Reactivity of ATP in the absence of phenylalanine. Thiebe R. **Eur J Biochem** 1984 Apr 2; 140(1):143–6

Differential response of three types of actin filament bundles to depletion of cellular ATP levels. Sanger JW, et al. **Eur J Cell Biol** 1983 Sep;31(2):197–204

Myocardial high–energy phosphates and function under different postischemic conditions. A study in a paracorporeal rat heart model. Hultman J, et al. **Eur Surg Res** 1984;16(4):201–13

31P–NMR analysis of sea urchin sperm activation. Reversible formation of high energy phosphate compounds by changes in intracellular pH. Christen R, et al. **Exp Cell Res** 1983 Nov;149(1):289–94

Early effect of growth factors (EGF + insulin) upon ATP turnover in 3T3 cells. Talha S, et al. **Exp Cell Res** 1983 Dec;149(2):471–81

Effects of ATP depletion and protein synthesis inhibition on muscle plasma membrane orthogonal arrays. Fischbeck KH. **Exp Neurol** 1984 Mar;83(3):577–88

Coupling factor B involvement in the inhibition of Pi–ATP exchange activity by N–ethylmaleimide. Hughes J, et al. **FEBS Lett** 1983 Mar 21;153(2):441–6

Catalytic properties of the ATPase on submitochondrial particles after exchange of tightly bound nucleotides under different steady state conditions. Myers JA, et al. **FEBS Lett** 1983 Oct 17;162(2):277–81

The rate constant for ATP hydrolysis by polymerized actin. Pollard TD, et al. **FEBS Lett** 1984 May 7;170(1):94–8

Similar affinities of ADP and ATP for G–actin at physiological salt concentrations. Wanger M, et al. **FEBS Lett** 1983 Oct 3;162(1):112–6

Selective and reversible inhibition of heart sarcolemmal (Na+ + K+)–ATPase by p–bromophenyl isothiocyanate. Evidence for a sulfhydryl group in the ATP–binding site of the enzyme. Ziegelhöffer A, et al. **Gen Physiol Biophys** 1983 Dec;2(6):447–56

Retention and excretion of 32P following ingestion of 32P ATP. Dettman GL. **Health Phys** 1984 Jan;46(1):209–11

Membrane–bound ATP–dependent energy systems and the development of the gastric mucosal damage in rats produced by 0.2 M NaOH, 25% NaCl, 0.6 M HCI and 96% ethanol. Morón F, et al. **Int J Tissue React** 1983; 5(4):357–62

Techniques to study metabolic changes at the cellular and organ level. DeFuria RR, et al. **Int Rev Cytol** 1983;83:27–62 (105 ref.)

Mechanism of inducer expulsion in Streptococcus pyogenes: a two–step process activated by ATP. Reizer J, et al. **J Bacteriol** 1983 Oct;156(1):354–61

Inorganic phosphate–dependent ADP binding on the chloroplast coupling factor and its participation in ATP synthesis. Komatsu–Takaki M. **J Biochem (Tokyo)** 1983 Oct;94(4):1095–100

Electron microscopic studies of myosin molecules from chicken gizzard muscle II: The effect of thiophosphorylation of the 20K–dalton light chain on the ATP–induced change in the conformation of myosin monomers. Onishi H, et al. **J Biochem (Tokyo)** 1983 Oct; 94(4):1147–54

Alterations in the structure of the ribose moiety of ATP reduce its effectiveness as a substrate for the sarcoplasmic reticulum ATPase. Anderson KW, et al. **J Biol Chem** 1983 Dec 10;258(23):14276–8

In vivo flux between phosphocreatine and adenosine triphosphate determined by two–dimensional phosphorous NMR. Balaban RS, et al. **J Biol Chem** 1983 Nov 10; 258(21):12787–9

Nucleoside triphosphate binding to DNA polymerase III holoenzyme of Escherichia coli. A direct photoaffinity labeling study. Biswas SB, et al. **J Biol Chem** 1984 Jun 25;259(12):7990–3

Evidence that F–actin can hydrolyze ATP independent of monomer–polymer end interactions. Brenner SL, et al. **J Biol Chem** 1984 Feb 10;259(3):1441–6

ATP–driven proton fluxes across membranes of secretory organelles. Cidon S, et al. **J Biol Chem** 1983 Oct 10; 258(19):11684–8

Requirement of ATP for specific incision of ultraviolet–damaged DNA during excision repair in permeable human fibroblasts. Dresler SL, et al. **J Biol Chem** 1983 Oct 25;258(20):12269–73

Characterization of ATP complexes with lanthanide (III) ions. Eads CD, et al. **J Biol Chem** 1984 Aug 10; 259(15):9379–83

Relationship of the intra– and extramitochondrial adenine nucleotide ratios during synthesis of phosphoenolpyruvate using extramitochondrial ATP. Erecińska M, et al. **J Biol Chem** 1984 Sep 10;259(17):10904–6

Regulation of the synthesis and hydrolysis of ATP by mitochondrial ATPase. Role of Mg2+. Gómez–Puyou A, et al. **J Biol Chem** 1983 Nov 25;258(22):13673–9

A transmembrane electrical potential generated by respiration is not equivalent to a diffusion potential of the same magnitude for ATP synthesis by Bacillus firmus RAB. Guffanti AA, et al. **J Biol Chem** 1984 Mar 10;259(5):2971–5

Fluorescence decay time measurements of Eu3+–ATP–enzyme complexes. Replacement of the metal hydration water by active site ligands. Gutman M, et al. **J Biol Chem** 1983 Oct 25;258(20):12132–4

ATP–dependent unwinding of the double helix and extensive supercoiling by Escherichia coli recA protein in the presence of topoisomerase. Iwabuchi M, et al. **J Biol Chem** 1983 Oct 25;258(20):12394–404

Thermodynamic limits to the ATP/site stoichiometries of oxidative phosphorylation by rat liver mitochondria. Lemasters JJ, et al. **J Biol Chem** 1984 Mar 10; 259(5):3058–63

Ascorbic acid is an endogenous cytosolic inhibitor of ATP–supported rat liver mitochondrial calcium transport. LeVine H 3d, et al. **J Biol Chem** 1983 Dec 25; 258(24):14954–9

The (Na,K)–ATPase of Friend erythroleukemia cells is phosphorylated near the ATP hydrolysis by an endogenous membrane–bound kinase. Ling L, et al. **J Biol Chem** 1984 Apr 10;259(7):4089–95

Structural and functional studies of the dnaB protein using limited proteolysis. Characterization of domains for DNA–dependent ATP hydrolysis and for protein association in the primosome. Nakayama N, et al. **J Biol Chem** 1984 Jan 10;259(1):88–96

The relation between the internal phosphorylation potential and the proton motive force in mitochondria during ATP synthesis and hydrolysis. Ogawa S, et al. **J Biol Chem** 1984 Aug 25;259(16):10004–11

Assessment of the rate of bound substrate interconversion and of ATP acceleration of product release during catalysis by mitochondrial adenosine triphosphatase. O'Neal CC, et al. **J Biol Chem** 1984 May 10;259(9):5761–7

Relationship of the ATP/ADP ratio to the site of octanoate activation. Otto DA. **J Biol Chem** 1984 May 10; 259(9):5490–4

The critical concentration of actin in the presence of ATP increases with the number concentration of filaments and approaches the critical concentration of actin.ADP. Pantaloni D, et al. **J Biol Chem** 1984 May 25; 259(10):6274–83

Lysyl residue 47 is near the subunit ATP–binding site of glutamine synthetase from Escherichia coli. Pinkofsky HB, et al. **J Biol Chem** 1984 Aug 10;259(15):9616–22

Evidence from oxygen exchange studies that the two heads of myosin are functionally different. Shukla KK, et al. **J Biol Chem** 1984 May 10;259(9):5423–9

Bovine cardiac myosin subfragment 1. Transient kinetics of ATP hydrolysis. Smith SJ, et al. **J Biol Chem** 1984 Aug 10;259(15):9365–8

Oxidative phosphorylation and the Pi–ATP exchange reaction of submitochondrial particles under the influence of organic solvents. Tuena de Gómez–Puyou M, et al. **J Biol Chem** 1984 Aug 10;259(15):9472–8

Regulation of the synthesis and hydrolysis of ATP by mitochondrial ATPase. Role of the natural ATPase inhibitor protein. Tuena de Gómez–Puyou MT, et al. **J Biol Chem** 1983 Nov 25;258(22):13680–4

Differential acylation in vitro with tetradecanoyl coenzyme A and tetradecanoic acid (+ATP) of three polypeptides shown to have induced synthesis in Photobacterium phosphoreum. Wall L, et al. **J Biol Chem** 1984 Feb 10; 259(3):1409–14

Function of M–line–bound creatine kinase as intramyofibrillar ATP regenerator at the receiving end of the phosphorylcreatine shuttle in muscle. Wallimann T, et al. **J Biol Chem** 1984 Apr 25;259(8):5238–46

Protonation of the sarcoplasmic reticulum Ca–ATPase during ATP hydrolysis. Yamaguchi M, et al. **J Biol Chem** 1984 Aug 10;259(15):9526–31

Dissociation of clathrin coats coupled to the hydrolysis of ATP: role of an uncoating ATPase. Braell WA, et al. **J Cell Biol** 1984 Aug;99(2):734–41

Rb+ influx in response to changes in energy generation: effect of the regulation of the ATP content of HeLa cells. Ikehara T, et al. **J Cell Physiol** 1984 Jun;119(3):273–82

Retinoic acid alters subcellular compartmentalization of ATP pools in 3T3 cells but not in HeLa cells. Schroder EW, et al. **J Cell Physiol** 1984 Aug;120(2):204–10

Effects of valinomycin on hexose transport and cellular ATP pools in mouse fibroblasts. Yamanishi K. **J Cell Physiol** 1984 May;119(2):163–71

Correlation between cerebral blood flow and ATP content following tourniquet–induced ischemia in cat brain. Marcy VR, et al. **J Cereb Blood Flow Metab** 1984 Sep;4(3):362–7

Neurologic deficit and cerebral ATP depletion after temporary focal ischemia in cats. Sato M, et al. **J Cereb Blood Flow Metab** 1984 Jun;4(2):173–7

Adenosine triphosphate–dependent calcium pump in the plasma membrane of guinea pig and human neutrophils. Lagast H, et al. **J Clin Invest** 1984 Jan;73(1):107–15

Evaluation of the proliferative response of lymphocytes by measurement of intracellular ATP. Ishizaka A, et al. **J Immunol Methods** 1984 Aug 3;72(1):127–32

Kinetic properties of the ATP–dependent Ca2+ pump and the Na+/Ca2+ exchange system in basolateral membranes from rat kidney cortex. van Heeswijk MP, et al. **J Membr Biol** 1984;79(1):19–31

Interaction of crystalline tyrosyl–tRNA synthetase with adenosine, adenosine monophosphate, adenosine triphosphate and pyrophosphate in the presence of tyrosinol. Monteilhet C, et al. **J Mol Biol** 1984 Mar 15; 173(4):477–85

Non–catalytic roles of ATP in muscle metabolism and in its control. Berman MC. **J Mol Cell Cardiol** 1984 Mar; 16(3):191–4

Chlorpromazine inhibits loss of contractile function, compliance and ATP in ischemic rabbit heart. THomas GE, et al. **J Mol Cell Cardiol** 1983 Sep;15(9):621–8

Binding of ATP to brain glutamate decarboxylase as studied by affinity chromatography. Wu SJ, et al. **J Neurochem** 1984 Jun;42(6):1607–12

ATP content in isolated mammalian nerve cells assayed by a modified luciferin–luciferase method. Fukuda J, et al. **J Neurosci Methods** 1983 Jul;8(3):295–302

Behavior of ATP toward phenothiazine drugs. Gasco MR, et al. **J Pharm Sci** 1984 May;73(5):662–7

Effects of hypoxia and reoxygenation on tissue ATP level and electrical and mechanical function of isolated guinea pig ventricular muscles. Asano T, et al. **J Pharmacobiodyn** 1984 Jan;7(1):63–6

The kinetics of magnesium adenosine triphosphate cleavage in skinned muscle fibres of the rabbit. Ferenczi MA, et

al. **J Physiol (Lond)** 1984 Jul;352:575–99
Effect of the beta-gamma phosphate bond of ATP on synthesis of leader RNA and mRNAs of vesicular stomatitis virus. Green TL, et al. **J Virol** 1984 Apr;50(1):255–7
ATP is required for initiation of poliovirus RNA synthesis in vitro: demonstration of tyrosine-phosphate linkage between in vitro-synthesized RNA and genome-linked protein. Morrow CD, et al. **J Virol** 1984 May;50(2):515–23
ATP dependence of vesicular stomatitis virus transcription initiation and modulation by mutation in the nucleocapsid protein. Perrault J, et al. **J Virol** 1984 Sep;51(3):635–42
The border zone in acute myocardial ischemia in the dog—a histochemical, biochemical and ultrastructural study. Mitsunami K, et al. **Jpn Circ J** 1984 Jan;48(1):18–31
Effect of lysozyme on Mycobacterium leprae. Dhople AM. **Lepr India** 1983 Jul;55(3):455–64
Efficiency of mitochondria [letter] Romanic BM. **N Engl J Med** 1984 Aug 30;311(9):603
Direct evidence that oncogenic tyrosine kinases and cyclic AMP-dependent protein kinase have homologous ATP-binding sites. Kamps MP, et al. **Nature** 1984 Aug 16–22;310(5978):589–92
The relationship between ATP hydrolysis and active force in compressed and swollen skinned muscle fibers of the rabbit. Krasner B, et al. **Pflugers Arch** 1984 Feb; 400(2):160–5
Imbalance of total cellular nucleotide pools and mechanism of the colchicine-induced cell activation. Chou IN, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(8):2401–5
Catalytic consequences of oligomeric organization: kinetic evidence for 'tethered' acto–heavy meromyosin at low ATP concentrations. Hackney DD, et al. **Proc Natl Acad Sci USA** 1984 Sep;81(17):5345–9
ATP-dependent degradation of ubiquitin–protein conjugates. Hershko A, et al. **Proc Natl Acad Sci USA** 1984 Mar; 81(6):1619–23
Eukaryotic initiation factor 4A is the component that interacts with ATP in protein chain initiation. Seal SN, et al. **Proc Natl Acad Sci USA** 1983 Nov;80(21):6562–5
Control of the ATP,Mg-dependent protein phosphatase by heat-stable regulatory proteins. Merlevede W, et al. **Proc Soc Exp Biol Med** 1984 Oct;177(1):3–11
Interrelationships between membrane-bound ATP-dependent energy systems, gastric mucosal damage produced by NaOH, hypertonic NaCl, HCl, and alcohol, and prostacyclin-induced gastric cytoprotection in rats. Mózsik G, et al. **Prostaglandins Leukotrienes Med** 1983 Dec;12(4):423–36
Muscle biopsy studies in patients with moderate liver cirrhosis with special reference to energy-rich phosphagens and electrolytes. Möller P, et al. **Scand J Gastroenterol** 1984 Mar;19(2):267–72
Cyclosporine-induced adenosine triphosphate depletion in murine T and B lymphocytes. Lum CT, et al. **Surgery** 1984 Aug;96(2):256–63
Recovery of adenine nucleotide levels after global myocardial ischemia in dogs. Ward HB, et al. **Surgery** 1984 Aug;96(2):248–55
Platelet release reaction in whole blood. Schattner MA, et al. **Thromb Res** 1983 Sep 1;31(5):759–63
ATP levels in phosphate-deregulated and arsenate-resistant mutants of Streptomyces noursei. Hänel F, et al. **Z Allg Mikrobiol** 1984;24(4):239–45
Phosphorylation of Ca-ATPase of sarcoplasmic reticulum with different substrates. Barrabin H, et al. **Z Naturforsch [C]** 1983 Sep–Oct;38(9–10):845–7
[Effect of gamma-schisandrin on metabolism of DNA, ATP and nucleoprotein of cancer cells] Liu LS, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Jun;5(2):130–2 (Eng. Abstr.) **(Chi)**
[Effects of pretreatment with isoprenaline and conditions of perfusion on the specific radioactivity of ATP in rat heart] Verdetti J, et al. **C R Seances Acad Sci [III]** 1984; 299(1):5–10 (Eng. Abstr.) **(Fre)**
[Effect of different fluoride and chloride compounds on the ATP content of Streptococcus mutans] Steinke A, et al. **Dtsch Zahnarztl Z** 1983;38 Suppl 1:S41–4 (Eng. Abstr.) **(Ger)**
[Effects of halothane on the recovery of hypoxia-depleted ATP in the canine liver] Horikawa H, et al. **Masui** 1983 Dec;32(12):1453–8 (Eng. Abstr.) **(Jpn)**
[The evaluation of myocardial protection from ischemia by means of 31P-NMR—the role of changes in myocardial high-energy phosphate levels] Yokoyama K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Feb;32(2):154–61 (Eng. Abstr.) **(Jpn)**
[Effect of adenosine triphosphate-magnesium chloride administration for post-ischemic acute renal failure (I)] Shimizu K, et al. **Nippon Yakurigaku Zasshi** 1983 Dec; 82(6):465–74 (Eng. Abstr.) **(Jpn)**
[31P-NMR analysis of high energy phosphorous compounds (ATP and phosphocreatine) in the living rat brain—effects of halothane anesthesia and a hypoxic condition] Yuasa T, et al. **No To Shinkei** 1983 Nov;35(11):1089–95 (Eng. Abstr.) **(Jpn)**
[Effect of physico-chemical factors on anion-sensitive ATPase activity] Ivashchenko AT, et al. **Biofizika** 1984 Jan–Feb;29(1):83–7 (Eng. Abstr.) **(Rus)**
[Contribution of the Mg2+-, ATP- AND Na+-dependent Ca2+-transport systems to the regulation of Ca2+ concentration in myometrial cells] Kosterin CA, et al. **Biokhimiia** 1984 Jan;49(1):12–9 (Eng. Abstr.) **(Rus)**
[Effect of the membrane potential on the rate of ATP hydrolysis in submitochondrial particles] Gladysheva TB, et al. **Dokl Akad Nauk SSSR** 1984;276(4):980–3 **(Rus)**
[Pharmacological properties of the ATP receptor of neurons in the sensory ganglia of the rat] Kryshtal' OA, et al. **Dokl Akad Nauk SSSR** 1984;274(4):945–8 **(Rus)**
[Superspecificity of aminoacyl-tRNA-synthases] Favorova OO. **Mol Biol (Mosk)** 1984 Jan–Feb;18(1):205–26 (88 ref.) (Eng. Abstr.) **(Rus)**
[Modification of phenylalanyl-tRNA-synthetase from Escherichia coli MRE600 by adenosine-5'-trimetaphosphate] Khodyreva SN, et al. **Mol Biol (Mosk)** 1983 Nov–Dec;17(6):1196–203 (Eng. Abstr.) **(Rus)**
[Kinetic characteristics of the ATP-pyrophosphate isotope exchange catalyzed by RNA ligase from T4 bacteriophage] Zagrebel'nyi SN, et al. **Mol Biol (Mosk)** 1984 Jan–Feb; 18(1):227–33 (Eng. Abstr.) **(Rus)**
[Effect of thallium ions on the relation between ATP hydrolysis and 180-exchange in the Na+, K+-ATPase system] Skvortsevich EG. **Nerv Sist** 1982;23:95–8 **(Rus)**
[Interaction of ATP with sarcoplasmic reticulum Ca2+-ATPase; effect on the conformational state of the enzyme] Lushchak VI, et al. **Ukr Biokhim Zh** 1983 Sep–Oct;55(5):507–12 (Eng. Abstr.) **(Rus)**
[Na+, K+ -ATPase: causes of activation of K+ -phosphatase reaction by nucleotides] Svinukhova IA. **Ukr Biokhim Zh** 1983 Jul–Aug;55(4):386–91 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Relationship between arterial and venous adenosine levels and vasodilatation during ATP- and adenosine-infusion in dogs. Sollevi A, et al. **Acta Physiol Scand** 1984 Feb; 120(2):171–6
Structural studies of glycerinated skeletal muscle. I. A-band length and cross-bridge period in ATP-contracted fibers. Dreizen P, et al. **Adv Exp Med Biol** 1984;170:135–55
Contractile responses to MgATP and pH in a thick filament regulated muscle: studies with skinned scallop fibers. Godt RE, et al. **Adv Exp Med Biol** 1984;170:569–72
Regulation of histidine decarboxylase activity in rat hypothalamus in vitro by ATP and cyclic AMP: enzyme inactivation under phosphorylating conditions. Huszti Z, et al. **Agents Actions** 1984 Apr;14(3–4):546–9
Improved mitochondrial function following ischemia and reflow by ATP-MgCl2. Chaudry IH, et al. **Am J Physiol** 1984 May;246(5 Pt 2):R799–804
Changes in intracranial pressure and compliance during adenosine triphosphate-induced hypotension in dogs. Van Aken H, et al. **Anesth Analg** 1984 Apr;63(4):381–5
ATP-dependent phosphorylation of alpha-substituted carboxylic acids catalyzed by pyruvate kinase. Ash DE, et al. **Arch Biochem Biophys** 1984 Jan;228(1):31–40
Regulation of rat liver microsomal cholesterol 7 alpha-hydroxylase by MgATP: effect of pH. Kwok CT, et al. **Biochem Biophys Res Commun** 1983 Nov 15; 116(3):966–73
Metabolite-induced activation of hepatic phosphofructokinase. Proud CG. **Biochem Biophys Res Commun** 1984 Jan 30;118(2):567–72
The modulation of Ca-ATPase activity and protein-lipid interactions in the sarcoplasmic reticulum by ATP. Boldyrev A, et al. **Biochem Int** 1983 Mar;6(3):297–305
Inactivation of acyl-CoA:cholesterol acyltransferase by ATP+Mg2+ in rat liver microsomes. Kwok CT, et al. **Biochem Int** 1984 Feb;8(2):271–82
Organic phosphates increase the solubility of avian haemoglobin D and embryonic chicken haemoglobin. Baumann R, et al. **Biochem J** 1984 Feb 1;217(3):767–71
Mode of action of diethyl ether on ATP-dependent Ca2+ transport by sarcoplasmic reticulum vesicles. Salama G, et al. **Biochem Pharmacol** 1983 Nov 15;32(22):3465–77
Stimulation of Escherichia coli DNA photoreactivating enzyme activity by adenosine 5'-triphosphate. Koka P. **Biochemistry** 1984 Jun 19;23(13):2914–22
The role of calcium ions in the permeability changes produced by external ATP in transformed 3T3 cells. De BK, et al. **Biochim Biophys Acta** 1984 Sep 5;775(3):381–8
ATP(GTP)-dependent conversion of MVM parvovirus single-stranded DNA to its replicative form by a purified 10 S species of mouse DNA polymerase alpha. Faust EA, et al. **Biochim Biophys Acta** 1984 Apr 5;781(3):216–24
Effects of four types of reagents on ADP-induced aggregation and Ca2+ mobilization of bovine blood platelets. Kitagawa S, et al. **Biochim Biophys Acta** 1984 Apr 10;798(2):210–5
Modulation of passive permeability by external ATP and cytoskeleton-attacking agents in cultured mammalian cells. Kitagawa T, et al. **Biochim Biophys Acta** 1983 Sep 21; 734(1):25–32
An improved purification procedure, an alternative assay and activation of mevalonate kinase by ATP. Lee CS, et al. **Biochim Biophys Acta** 1983 Sep 28;747(3):215–24
Inactivation of fructose-1,6-bisphosphate aldolase by cathepsin L. Stimulation by ATP. McKay MJ, et al. **Biochim Biophys Acta** 1984 Jan 18;784(1):9–15
Contraction of rabbit skinned skeletal muscle fibers at low levels of magnesium adenosine triphosphate. Moss RL, et al. **Biophys J** 1984 Apr;45(4):733–42
The mode of ATP-induced vasoconstriction in the canine internal carotid artery. Kawai Y, et al. **Blood Vessels** 1984; 21(2):98–104
Effects of desensitization to adenosine 5'-triphosphate and adenosine on non-adrenergic inhibitory responses in the circular muscle of rabbit colon. Crema A, et al. **Br J Pharmacol** 1982 Feb;75(2):311–8
Specific but noncompetitive inhibition by 2-alkylthio analogues of adenosine 5'-monophosphate and adenosine 5'-triphosphate of human platelet aggregation induced by adenosine 5'-diphosphate. Cusack NJ, et al. **Br J Pharmacol** 1982 Feb;75(2):397–400
Actions of ATP on the soma of bullfrog primary afferent neurons and its modulating action on the GABA-induced response. Morita K, et al. **Brain Res** 1984 Feb 20; 293(2):360–3
Influence of adenosine triphosphate on the isolated perfused mesenteric artery of the rabbit. Krishnamurty VS, et al. **Can J Physiol Pharmacol** 1983 Nov;61(11):1409–17
ATP-MgCl2 treatment prior to hypoxic-hypotension. Proctor HJ, et al. **Circ Shock** 1983;11(1):65–71
The effect of adenyl compounds on the heart of the dogfish, Scyliorhinus canicula. Meghji P, et al. **Comp Biochem Physiol [C]** 1984;77(2):295–300
The effects of adenyl compounds on the heart of the axolotl (Ambystoma mexicanum). Meghji P, et al. **Comp Biochem Physiol [C]** 1983;76(2):319–26
Effect of apamin and theophylline on adenosine-5'-triphosphate-induced response of the guinea pig gallbladder. Ishikawa Y, et al. **Digestion** 1983; 27(4):234–8
Effect of adenosine triphosphate on the accessory pathways. Perrot B, et al. **Eur Heart J** 1984 May;5(5):382–93
The effects of aminophylline on adenosine and ATP actions on sinoatrial conduction in the isolated, blood-perfused dog atrium. Kobayashi M, et al. **Eur J Pharmacol** 1983 Jul 22; 91(2–3):261–5
Evidence that ATP acts as a co-transmitter with noradrenaline in sympathetic nerves supplying the guinea-pig vas deferens. Meldrum LA, et al. **Eur J Pharmacol** 1983 Aug 19;92(1–2):161–3
Stimulation of P1-purinoceptors by ATP depends partly on its conversion to AMP and adenosine and partly on direct action. Moody CJ, et al. **Eur J Pharmacol** 1984 Jan 13; 97(1–2):47–54
Ca2+- and Mg-ATP-dependent shape change of human erythrocyte ghosts and triton shells. Jinbu Y, et al. **Exp Cell Res** 1984 Mar;151(1):160–70
Exogenous ATP induces electrical membrane responses in fibroblasts. Okada Y, et al. **Exp Cell Res** 1984 Jun; 152(2):552–7
ATP and other purine nucleotides stimulate the inactivation of ornithine transcarbamylase by broken lysosomes. Navarro A, et al. **FEBS Lett** 1984 Feb 27;167(2):259–62
Adenosine 5'-triphosphate (ATP)-mediated stimulation and suppression of DNA synthesis in lymphoid cells. II. Suppressive effect of ATP on murine T-cell functions. Ikehara S, et al. **Int J Immunopharmacol** 1983;5(6):567–73
Electrophysiologic effects of adenosine triphosphate and adenosine on the mammalian heart: clinical and experimental aspects. Belhassen B, et al. **J Am Coll Cardiol** 1984 Aug;4(2):414–24 (95 ref.)
Inhibitory effect of MgATP on the release of regulatory light chain from scallop myosin and light chain composition of scallop myosin hybridized with abalone light chain 2 at 30 degrees C. Asakawa T, et al. **J Biochem (Tokyo)** 1983 Aug;94(2):395–401
ATP inactivates hydrolysis of the K+-sensitive phosphoenzyme of kidney Na+,K+-transport ATPase and activates that of muscle sarcoplasmic reticulum Ca2+-transport ATPase. Fukushima Y, et al. **J Biochem (Tokyo)** 1984 Feb;95(2):359–68
Effects of ATP and pyrophosphate on properties of glucocorticoid-receptor complexes from rat thymus cells. Holbrook NJ, et al. **J Biol Chem** 1983 Dec 25; 258(24):14885–94
On the mechanism of activation of the ATP X Mg(II)-dependent phosphoprotein phosphatase by kinase FA. Jurgensen S, et al. **J Biol Chem** 1984 May 10; 259(9):5864–70
Rate constants for actin polymerization in ATP determined using cross-linked actin trimers as nuclei. Lal AA, et al. **J Biol Chem** 1984 Jul 25;259(14):8794–800
Escherichia coli succinyl coenzyme A synthetase. Inhibition of ATP-stimulated succinate——succinyl coenzyme A exchange at low succinyl coenzyme A concentrations by an ADP trap. Nishimura JS, et ai. **J Biol Chem** 1984 Feb 25;259(4):2144–8
Phosphorylation of rhodopsin and quenching of cyclic GMP phosphodiesterase activation by ATP at weak bleaches. Sitaramayya A, et al. **J Biol Chem** 1983 Oct 25; 258(20):12106–9
Cellular responses to external ATP which precede an increase in nucleotide permeability in transformed cells. Weisman GA, et al. **J Cell Physiol** 1984 May;119(2):211–9
Phorbol myristate acetate stimulates ATP-dependent calcium transport by the plasma membrane of neutrophils. Lagast H, et al. **J Clin Invest** 1984 Mar;73(3):878–83
ATP and the autonomy of the contractile vacuole in Amoeba proteus. Pothier F, et al. **J Exp Zool** 1984 May;230(2):211–8
Inhibition of human natural killer cell reactivity by exogenous adenosine 5'-triphosphate. Schmidt A, et al. **J Immunol** 1984 Jan;132(1):146–50
The effect of exogenous adenosinetriphosphate on the

choline-calcium stimulated release of 3H-norepinephrine in rat heart ventricle slices. Bogdanski DF. **J Neural Transm** 1983;57(4):213-32

Characterization of brain synaptic vesicle phospholipase A2 activity and its modulation by calmodulin, prostaglandin E2, prostaglandin F2 alpha, cyclic AMP, and ATP. Moskowitz N, et al. **J Neurochem** 1983 Dec;41(6):1576-86

A possible role for copper-mediated oxidation of thiols in the regulation of the release of luteinizing hormone releasing hormone from isolated hypothalamic granules. Rice GE, et al. **J Neurochem** 1983 Dec;41(6):1672-9

Activation of adenylyl cyclase by preincubation of rat cerebral-cortical membranes under phosphorylating conditions: role of ATP, GTP, and divalent cations. Whittemore SR, et al. **J Neurochem** 1984 Jun;42(6):1685-96

Effects of desensitization to adenosine 5'-triphosphate and vasoactive intestinal polypeptide on non-adrenergic inhibitory responses of longitudinal and circular muscles in the rat ileum. Yagasaki O, et al. **J Pharm Pharmacol** 1983 Dec;35(12):818-20

Adenosine-5'-triphosphate-sensitive single potassium channel in the atrioventricular node cell of the rabbit heart. Kakei M, et al. **J Physiol (Lond)** 1984 Jul;352:265-84

Electrical responses of smooth muscle cells of the mouse uterus to adenosine triphosphate. Ninomiya JG, et al. **J Physiol (Lond)** 1983 Sep;342:499-515

Pharmacological evidence that adenosine triphosphate and noradrenaline are co-transmitters in the guinea-pig vas deferens. Sneddon P, et al. **J Physiol (Lond)** 1984 Feb; 347:561-80

ATP-MgCl2 produces sustained improvement in hepatic mitochondrial function and blood flow after hepatic ischemia. Ohkawa M, et al. **J Surg Res** 1984 Sep; 37(3):226-34

Double-peaked positive chronotropic responses of isolated and cross-perfused dog atria to ATP. Chiba S, et al. **Jpn J Pharmacol** 1983 Dec;33(6):1191-7

ATP and other nucleoside triphosphates inhibit the binding of insulin to its receptor. Trischitta V, et al. **Metabolism** 1984 Jun;33(6):577-81

Reversible shape change of Triton-treated erythrocyte ghosts induced by Ca2+ and Mg-ATP. Jinbu Y, et al. **Nature** 1984 Jan 26-Feb 1;307(5949):376-8

Inhibition of acetylcholine release from preganglionic frog nerves by ATP but not adenosine. Silinsky EM, et al. **Nature** 1983 Sep 22-28;305(5932):327-8

Effects of in vivo ethanol administration on Ca2+/Mg2+ ATPase and ATP-dependent Ca2+ uptake activity in synaptosomal membranes. Garrett KM, et al. **Neurochem Res** 1983 Aug;8(8):1013-28

Effect of hypotension induced by ATP and adenosine on brain surface oxygen tensions in the sheep. Laycock JR, et al. **Neurol Res** 1984 Mar-Jun;6(1-2):75-8

Effects of ATP and related compounds on the Ca-induced Ca release mechanism of the Xenopus SR. Kakuta Y. **Pflugers Arch** 1984 Jan;400(1):72-9

Adenosine and ATP effects on isolated guinea pig gallbladder. Naughton P, et al. **Pflugers Arch** 1983 Sep; 399(1):42-5

Inward-rectifying channels in isolated patches of the heart cell membrane: ATP-dependence and comparison with cell-attached patches. Trube G, et al. **Pflugers Arch** 1984 Jun;401(2):178-84

Effects of ATP, its related nucleotides and VIP on the inhibitory potentials in the smooth muscle cells of the guinea-pig duodenum. Ohkawa H. **Tohoku J Exp Med** 1984 Apr;142(4):409-22

[Effects of pH and ATP on the cytoplasm of Amoeba proteus: relation between cytoplasm motility and actin polymerization] Paulin-Levasseur M, et al. **Eur J Cell Biol** 1984 Jan;33(1):29-36 (Eng. Abstr.) **(Fre)**

[Effects of ATP on cerebral blood flow and metabolism in resuscitated dogs] Maruno Y. **Masui** 1983 Nov; 32(11):1377-85 (Eng. Abstr.) **(Jpn)**

[ATP and SNP as vasodilators] Matsubara Y, et al. **Masui** 1983 Aug;32(8):969-75 (Eng. Abstr.) **(Jpn)**

[Action of adenosine 5'-triphosphate and effects of various purinergic receptor blocking agents on the movements of an isolated guinea pig gallbladder] Ishikawa Y, et al. **Nippon Heikatsukin Gakkai Zasshi** 1983 Feb;19(1):1-7 (Eng. Abstr.) **(Jpn)**

[Regulation of the number of k-binding sites of Na,K-ATPase by adenosine triphosphate] Kikvidze ZIa, et al. **Biokhimiia** 1983 Jul;48(7):1074-9 (Eng. Abstr.) **(Rus)**

[Effect of vitamin B12 on liver and kidney DNA methylation in guinea pigs in the presence of methionine and ATP] Kliasheva RI. **Biol Nauki** 1983;(10):17-9 (Eng. Abstr.) **(Rus)**

[Tracheal constrictor reflex from the lung receptors to ATP administration in the dog] Talvan IL. **Fiziol Zh SSSR** 1984 Feb;70(2):195-9 (Eng. Abstr.) **(Rus)**

[Blocking action of adenosine and ATP on synaptic transmission in isolated slices of the rat brain] Artemenko DP, et al. **Neirofiziologiia** 1983;15(6):639-47 (Eng. Abstr.) **(Rus)**

[ATP-activated ion conductance in the somatic membrane of the neurons of mammalian sensory ganglia] Kryshtal' OA, et al. **Neirofiziologiia** 1984;16(3):327-36 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Effects of ATP on various steps controlling the rate of oxidative phosphorylation in newborn rat liver mitochondria. Baggetto L, et al. **Arch Biochem Biophys** 1984 Aug 1;232(2):670-8

ATP-dependent Ca-uptake by rat vas deferens smooth muscle microsomes: properties of oxalate stimulated and oxalate-independent Ca-uptake. Grover AK, et al. **Arch Int Pharmacodyn Ther** 1984 Jan;267(1):4-12

Relevance of protease 'inhibitor' to the ATP-ubiquitin proteolytic system. Eytan E, et al. **Biochem Biophys Res Commun** 1984 Jul 18;122(1):116-23

An ATP-stimulated factor that enhances the nuclear binding of 'activated' receptor-glucocorticoid complex. Okamoto K, et al. **Biochem Biophys Res Commun** 1984 Jun 29; 121(3):940-5

Nucleotide specificity for reactivation of organelle movements in permeabilized axons. Forman DS, et al. **Cell Motil** 1984;4(2):121-8

Evidence for an ATP-driven proton pump in rat thyroid phagolysosomes. Effects of protonophores and ionophores. Fouchier F, et al. **Eur J Biochem** 1983 Nov 15;136(3):553-7

Reactions in vitro of the DNA polymerase-primase from Xenopus laevis eggs. A role for ATP in chain elongation. König H, et al. **Eur J Biochem** 1983 Oct 3;135(3):435-42

Inhibition of excitatory junction potentials in guinea-pig vas deferens by alpha, beta-methylene-ATP: further evidence for ATP and noradrenaline as cotransmitters. Sneddon P, et al. **Eur J Pharmacol** 1984 Apr 13;100(1):85-90

ATP-dependent calcium sequestration and calcium/ATP stoichiometry in isolated microsomes from guinea pig parotid glands. Immelmann A, et al. **FEBS Lett** 1983 Oct 17;162(2):406-10

Substrate-concentration dependence of contraction parameters in glycerinated insect flight muscle fibers from Lethocerus derollei. Chaen S, et al. **J Biochem (Tokyo)** 1984 Mar;95(3):839-45

ATP-released large subunits participate in the assembly of RuBP carboxylase. Milos P, et al. **J Cell Biochem** 1984; 24(2):153-62

On the role of protein phosphorylation in the ATP-dependent permeabilization of transformed cells. Weisman GA, et al. **J Cell Physiol** 1984 Feb;118(2):124-32

The energetics and kinetics of sodium-calcium exchange in barnacle muscles, squid axons, and mammalian heart: the role of ATP. Blaustein MP. **Soc Gen Physiol Ser** 1984; 38:129-47

SECRETION

Tetrodotoxin-resistant release of ATP from superfused rabbit detrusor muscle during electrical field stimulation in the presence of luciferin-luciferase. Chaudhry A, et al. **Can J Physiol Pharmacol** 1984 Jan;62(1):153-6

Phosphorus-31 nuclear magnetic resonance studies of pig adrenal glands. Bevington A, et al. **Neuroscience** 1984 Jan; 11(1):281-6

THERAPEUTIC USE

Acute management of paroxysmal supraventricular tachycardia: verapamil, adenosine triphosphate or adenosine? Belhassen B, et al. **Am J Cardiol** 1984 Jul 1; 54(1):225-7

Electrophysiologic effects of adenosine-5'-triphosphate on atrioventricular reentrant tachycardia. Belhassen B, et al. **Circulation** 1983 Oct;68(4):827-33

[Anomalies of the T wave following treatment of complete chronic left branch block by massage of the carotid sinus or injection of adenosine triphosphate] Nicolai P, et al. **Arch Mal Coeur** 1984 Jul;77(7):791-9 (Eng. Abstr.) **(Fre)**

[Management of acute ischemic renal failure with ATP-MgCl2] Hirasawa H, et al. **Nippon Jinzo Gakkai Shi** 1983 Jul;25(7):812-5 **(Jpn)**

ADENOSIS OF BREAST see **FIBROCYSTIC DISEASE OF BREAST**

S-ADENOSYLHOMOCYSTEINE see under **HOMOCYSTEINE**

S-ADENOSYLMETHIONINE

ADMINISTRATION & DOSAGE

Reversal of intrahepatic cholestasis of pregnancy in women after high dose S-adenosyl-L-methionine administration. Frezza M, et al. **Hepatology** 1984 Mar-Apr;4(2):274-8

[Preliminary note on the use of high doses of S-adenosylmethionine] Sabbatini F, et al. **Minerva Psichiatr** 1983 Jan-Mar;24(1):33-5 (Eng. Abstr.) **(Ita)**

ANALOGS & DERIVATIVES

High-performance liquid chromatographic analysis of adenosyl-sulfur compounds related to polyamine biosynthesis. Zappia V, et al. **Methods Enzymol** 1983; 94:57-66

ANALYSIS

A radioenzymatic method for S-adenosyl-L-methionine determination in biological fluids. Giulidori P, et al. **Anal Biochem** 1984 Feb;137(1):217-20

High-performance liquid chromatographic analysis of S-adenosylmethionine and its metabolites in rat tissues: interrelationship with changes in biogenic catechol levels following treatment with L-dopa. Wagner J, et al. **J Chromatogr** 1984 May 4;290:247-62

Effects of hypophysectomy and immobilization stress on S-adenosylmethionine levels in rat adrenal glands. Brown SJ, et al. **Life Sci** 1984 Jul 2;35(1):97-104

Determination of cellular decarboxylated S-adenosylmethionine content. Pegg AE, et al. **Methods Enzymol** 1983;94:69-72

Determination of tissue S-adenosylmethionine by radioenzymatic assay. Yu PH. **Methods Enzymol** 1983; 94:66-9

BIOSYNTHESIS

Enzymatic synthesis of S-adenosyl-L-methionine from L-methionine and ATP. Gross A, et al. **Appl Biochem Biotechnol** 1983 Oct;8(5):415-22

Growth inhibition by methionine analog inhibitors of S-adenosylmethionine biosynthesis in the absence of polyamine depletion. Porter CW, et al. **Biochem Biophys Res Commun** 1984 Jul 18;122(1):350-7

[New approaches to the regulation of S-adenosylmethionine biosynthesis and transmethylation processes in normal and malignant cells] Bukin IuV, et al. **Vestn Akad Med Nauk SSSR** 1984;(5):9-14 (Eng. Abstr.) **(Rus)**

BLOOD

Differential membrane protein carboxyl-methylation of intact human erythrocytes by exogenous methyl donors. Ro JY, et al. **Biochem J** 1984 May 1;219(3):743-9

METABOLISM

Depression of adenosylmethionine content of Escherichia coli by thioglycerol. Javor GT. **Antimicrob Agents Chemother** 1983 Dec;24(6):860-7

Stereochemical course of the transmethylation catalyzed by histamine N-methyltransferase. Asano Y, et al. **Arch Biochem Biophys** 1984 May 15;231(1):253-6

Photoaffinity labelling of methyltransferase enzymes with S-adenosylmethionine: effects of methyl acceptor substrates. Hurst JH, et al. **Biochem Biophys Res Commun** 1984 Jul 31;122(2):499-508

The role of the one-carbon cycle in neuropsychiatric disease. Smythies JR. **Biol Psychiatry** 1984 May;19(5):755-8

Tissue S-adenosylmethionine levels in fruit bats (Rousettus aegyptiacus) with nitrous oxide-induced neuropathy. van der Westhuyzen J, et al. **Br J Nutr** 1983 Sep;50(2):325-30

Protein and lipid methylation by methionine and S-adenosylmethionine in Myxococcus xanthus. Panasenko SM. **Can J Microbiol** 1983 Sep;29(9):1224-8

Effect of methotrexate with 5-methyltetrahydrofolate rescue and dietary homocystine on survival of leukemic mice and on concentrations of liver adenosylamino acids. Hilton MA, et al. **Cancer Res** 1983 Nov;43(11):5210-6

Transient changes in phospholipid methylation induced by dexamethasone in lymphoid cells. Ramachandran CK, et al. **Cancer Res** 1983 Dec;43(12 Pt 1):5725-8

Significance of S-adenosylmethionine pools in the hypomethylation of ribosomal RNA during the propagation of tissue culture cells and oncogenesis. Sitz TO, et al. **Cancer Res** 1983 Dec;43(12 Pt 1):5681-6

Nonenzymatic methylation of DNA by the intracellular methyl group donor S-adenosyl-L-methionine is a potentially mutagenic reaction. Rydberg B, et al. **EMBO J** 1982;1(2):211-6

Transmethylation, transsulfuration, and aminopropylation reactions of S-adenosyl-L-methionine in vivo. Giulidori P, et al. **J Biol Chem** 1984 Apr 10;259(7):4205-11

Multisubstrate adducts as potential inhibitors of S-adenosylmethionine dependent methylases: inhibition of indole N-methyltransferase by (5'-deoxyadenosyl)[3-(3-indolyl)prop-1-yl]methylsulfoniu and (5'-deoxyadenosyl)[4-(3-indolyl)but-1-yl]methylsulfoniu salts. Benghiat E, et al. **J Med Chem** 1983 Oct;26(10):1470-7

Tropolone antagonism of the L-dopa-induced elevation of S-adenosylhomocysteine: S-adenosylmethionine ratio but not depletion of adrenaline in rat hypothalamus. Fuller RW, et al. **J Pharm Pharmacol** 1984 Jun;36(6):419-20

Methylation and mood. Reynolds EH, et al. **Lancet** 1984 Jul 28;2(8396):196-8

Diurnal variations of S-adenosyl-L-methionine and adenosine content in the rat pineal gland. Chabannes B, et al. **Life Sci** 1984 Aug 6;35(6):589-96

Effects of adenosine dialdehyde on S-adenosylhomocysteine hydrolase and S-adenosylmethionine-dependent transmethylations in mouse L929 cells. Bartel RL, et al. **Mol Pharmacol** 1984 May;25(3):418-24

The transmethylation and one-carbon cycle hypotheses of schizophrenia. Smythies JR. **Psychol Med** 1983 Nov; 13(4):711-4

PHARMACODYNAMICS

Inactivation of betaine-homocysteine methyltransferase by adenosylmethionine and adenosylethionine. Finkelstein JD,

et al. **Biochem Biophys Res Commun** 1984 Jan 13; 118(1):14–9

Activation and inactivation of striatal tyrosine hydroxylase: the effects of pH, ATP and cyclic AMP, S-adenosylmethionine and S-adenosylhomocysteine. Mann SP, et al. **Biochem Pharmacol** 1983 Nov 15;32(22):3369–74

Effect of exogenous S-adenosyl-L-methionine on phosphatidylcholine synthesis by isolated rat hepatocytes. Traver J, et al. **Biochem Pharmacol** 1984 May 1; 33(9):1562–4

Modulation by S-adenosyl-methionine and S-adenosyl-homocysteine of the human leucocytes histamine release. Pacheco Y, et al. **Clin Allergy** 1984 Jan; 14(1):37–43

Inhibition of rat brain microsomal Na+,K+-ATPase by S-adenosylmethionine. Hattori H, et al. **J Neurochem** 1984 Jan;42(1):204–8

S-adenosylmethionine influences monoamine metabolism [letter] Bottiglieri T, et al. **Lancet** 1984 Jul 28;2(8396):224

Age-related modification of dopaminergic and beta-Adrenergic receptor system: restoration to normal activity by modifying membrane fluidity with S-adenosylmethionine. Cimino M, et al. **Life Sci** 1984 May 21;34(21):2029–39

The effect of S-Adenosyl-L-methionine on ischemia-induced disturbances of brain phospholipid in the gerbil. Trovarelli G, et al. **Neurochem Res** 1983 Dec; 8(12):1597–609

Anti-inflammatory activity of S-adenosyl-L-methionine: interference with the eicosanoid system. Gualano M, et al. **Pharmacol Res Commun** 1983 Jul;15(7):683–96

S-adenosylmethionine protects against erythrocyte membrane alterations induced in rabbits by cholesterol-rich diet. Pezzoli C, et al. **Pharmacol Res Commun** 1983 Oct; 15(9):785–95

The effects of S-adenosyl methionine (AdoMet) and its analogues on the control of transcription and translation in vitro of the mRNA products of two cytoplasmic polyhedrosis viruses. Mertens PP, et al. **Virology** 1983 Nov; 131(1):18–29

THERAPEUTIC USE

Open trial of S-adenosylmethionine for treatment of depression. Lipinski JF, et al. **Am J Psychiatry** 1984 Mar; 141(3):448–50

Antidepressant activity of S-adenosylmethionine [letter] Caruso I, et al. **Lancet** 1984 Apr 21;1(8382):904

Folic acid, S-adenosylmethionine and affective disorder. Reynolds EH, et al. **Psychol Med** 1983 Nov;13(4):705–10

[Clinical evaluation of the antidepressive action of sulfoadenosyl-L-methionine compared with that of chlorimipramine] Giner Ubago J, et al. **Actas Luso Esp Neurol Psiquiatr** 1984 Jan–Feb;12(1):73–80 (Eng. Abstr.) **(Spa)**

[Effect of SAM in alcoholic patients] Pons Villegas J. **Actas Luso Esp Neurol Psiquiatr** 1983 Sep–Oct;11(5):385–9 (Eng. Abstr.) **(Spa)**

S-ADENOSYLMETHIONINE DECARBOXYLASE see under **CARBOXY-LYASES**

ADENOVIRIDAE

Tumorigenicity of cells transformed by adenovirus type 12 by evasion of T-cell immunity. Bernards R, et al. **Nature** 1983 Oct 27–Nov 2;305(5937):776–9

Expression of class I major histocompatibility antigens switched off by highly oncogenic adenovirus 12 in transformed rat cells. Schrier PI, et al. **Nature** 1983 Oct 27–Nov 2;305(5937):771–5

[Cytophotometric study of changes in the structure of nuclear chromatin induced by the oncogenic adenovirus SA7 (C8)] Kotel'nikova IN, et al. **Biull Eksp Biol Med** 1983 Sep; 96(9):80–2 (Eng. Abstr.) **(Rus)**

ANALYSIS

Structure and aggregation of adenovirus hexon proteins (a review). Adám E, et al. **Acta Microbiol Hung** 1983; 30(2):83–97 (100 ref.)

Crystal packing and stoichiometry of the fibre protein of adenovirus type 2. Devaux C, et al. **J Mol Biol** 1984 Apr 25;174(4):729–37

Crystallization of a fragment of the adenovirus DNA binding protein [letter] Tsernoglou D, et al. **J Mol Biol** 1984 Jan 15;172(2):237–9

Adenovirus early region 1B 58,000-dalton tumor antigen is physically associated with an early region 4 25,000-dalton protein in productively infected cells. Sarnow P, et al. **J Virol** 1984 Mar;49(3):692–700

A rapid and simple method for preparation of adenovirus DNA from infected cells. Shinagawa M, et al. **Microbiol Immunol** 1983;27(9):817–22

CLASSIFICATION

DNA structure, and hemagglutination properties of bovine adenovirus type 2 strains which bypass species specificity. Belák S, et al. **Arch Virol** 1983;77(2–4):181–94

Unambiguous typing of canine adenovirus isolates by deoxyribonucleic acid restriction-endonuclease analysis. Assaf R, et al. **Can J Comp Med** 1983 Oct;47(4):460–3

The use of an enzyme-linked immunosorbent assay to detect IgG antibodies to serotype-specific and group-specific antigens of fowl adenovirus serotypes 2, 3 and 4. Mockett AP, et al. **J Virol Methods** 1983 Dec;7(5–6):327–35

DRUG EFFECTS

The inhibition of both initiation and elongation of adenovirus DNA replication by actinomycin D. Pincus S, et al. **Biochem Biophys Res Commun** 1984 Jun 29;121(3):1033–41

[Increase in the transforming activity of adenovirus SA7 by metal aerosols in cultures of sensitive cells] Potebnia GP, et al. **Vrach Delo** 1984 Jan;(1):112–4 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Properties of the adenovirus DNA polymerase. Field J, et al. **J Biol Chem** 1984 Aug 10;259(15):9487–95

[Comparative study of sialyltransferases in cultured cells of the rat embryo, transformed by DNA bovine adenovirus type 3] Gabriélian ND, et al. **Biokhimiia** 1984 Feb; 49(2):261–71 (Eng. Abstr.) **(Rus)**

GENETICS

Recombinant DNA technology in adenovirus research. Szomolányi E, et al. **Acta Virol (Praha)** 1984 Jan; 28(1):84–92

The left part of the viral genome is sufficient for interferon induction by adenovirus type 12. Tóth M, et al. **Arch Virol** 1984;79(1–2):45–53

DNA methylation and its functional significance: studies on the adenovirus system. Doerfler W. **Curr Top Microbiol Immunol** 1984;108:79–98 (104 ref.)

On the mechanism of recombination between adenoviral and cellular DNAs: the structure of junction sites. Doerfler W, et al. **Curr Top Microbiol Immunol** 1984;109:193–228

Antibodies to synthetic peptides targeted to the transforming genes of human adenoviruses: an approach to understanding early viral gene function. Green M, et al. **Curr Top Microbiol Immunol** 1984;109:167–92

Adenovirus early gene regulation and the adeno-associated virus helper effect. Richardson WD, et al. **Curr Top Microbiol Immunol** 1984;109:147–65

A new mechanism for the initiation of replication of phi 29 and adenovirus DNA: priming by the terminal protein. Salas M. **Curr Top Microbiol Immunol** 1984;109:89–106

The mechanism of adenovirus DNA replication and the characterization of replication proteins. Sussenbach JS, et al. **Curr Top Microbiol Immunol** 1984;109:53–73

The origin of adenovirus DNA replication. Tamanoi F, et al. **Curr Top Microbiol Immunol** 1984;109:75–87

In vitro transcription of adenovirus genes. Weinmann R, et al. **Curr Top Microbiol Immunol** 1984;109:125–45

Defective expression of mouse adenovirus Fl in human cells. Antoine G, et al. **EMBO J** 1982;1(4):453–9

Tupaia (tree shrew) adenovirus DNA: sequence of the left-hand fragment corresponding to the transforming early region of human adenoviruses. Brinckmann U, et al. **EMBO J** 1983;2(12):2185–8

Adenovirus E1A protein activation of an integrated viral gene. Curtois G, et al. **EMBO J** 1984 May;3(5):1145–9

A size analysis of the adenovirus replicon. Lally C, et al. **EMBO J** 1984 Feb;3(2):333–7

Shuffling adenovirus promoters: a viral recombinant with early region 1A under late transcriptional control. Solnick D. **EMBO J** 1983;2(6):845–51

Leade. arrangement in the adenovirus fiber mRNA. Uhlén M, et al. **EMBO J** 1982;1(2):249–54

Interspecific differences between the DNA restriction profiles of canine adenoviruses. Hamelin C, et al. **Experientia** 1984 May 15;40(5):482

The nucleotide sequence of the inverted terminal repetition of the tree shrew adenovirus DNA. Brinckmann U, et al. **Gene** 1983 Sep;24(1):131–5

Proof of recombination between viral and cellular genomes in human KB cells productively infected by adenovirus type 12: structure of the junction site in a symmetric recombinant (SYREC). Deuring R, et al. **Gene** 1983 Dec; 26(2–3):283–9

Mutational mapping of a cloned adenovirus origin. Enns RE, et al. **Gene** 1983 Sep;23(3):307–13

The 19-kDal protein encoded by early region 1b of adenovirus type 12 is synthesized efficiently in Escherichia coli only as a fused protein. Fukui Y, et al. **Gene** 1983 Jul;23(1):1–13

In vitro replication directed by a cloned adenovirus origin. Pearson GD, et al. **Gene** 1983 Sep;23(3):293–305

Protein-primed replication of plasmids containing the terminus of the adenovirus genome. I. Characterization of an in vitro DNA replication system dependent on adenoviral DNA sequences. Guggenheimer RA, et al. **J Biol Chem** 1984 Jun 25;259(12):7807–14

Protein-primed replication of plasmids containing the terminus of the adenovirus genome. II. Purification and characterization of a host protein required for the replication of DNA templates devoid of the terminal protein. Guggenheimer RA, et al. **J Biol Chem** 1984 Jun 25;259(12):7815–25

Preferential stimulation of transcription from simian virus 40 late and adeno IVa2 promoters in a HeLa cell extract. Natarajan V, et al. **J Biol Chem** 1983 Dec 10; 258(23):14652–5

Deletion and insertion mutations in early region 1a of type 5 adenovirus that produce cold-sensitive or defective phenotypes for transformation. Babiss LE, et al. **J Virol** 1984 Mar;49(3):731–40

Restriction analysis and homology studies of the bovine adenovirus 7 genome. Hu SL, et al. **J Virol** 1984 Sep; 51(3):880–3

Sequence homology between bovine and human adenoviruses. Hu SL, et al. **J Virol** 1984 Feb;49(2):604–8

The function(s) provided by the adenovirus-specified, DNA-binding protein required for viral late gene expression is independent of the role of the protein in viral DNA replication. Rice SA, et al. **J Virol** 1984 Jan; 49(1):35–49

Establishment and characterization of hamster cell lines transformed by restriction endonuclease fragments of adenovirus 5. Rowe DT, et al. **J Virol** 1984 Jan; 49(1):162–70

Differential phosphorylation of cytoplasmic and nuclear variants of simian virus 40 large T antigen encoded by simian virus 40-adenovirus 7 hybrid viruses. Scheidtmann KH, et al. **J Virol** 1984 May;50(2):636–40

Organization of the noncontiguous promoter components of adenovirus VAI RNA gene is strikingly similar to that of eucaryotic tRNA genes. Bhat RA, et al. **Mol Cell Biol** 1983 Nov;3(11):1996–2005

Rescue of functional replication origins from embedded configurations in a plasmid carrying the adenovirus genome. Hanahan D, et al. **Mol Cell Biol** 1984 Feb; 4(2):302–9

Transcriptional activation and subsequent control of the human heat shock gene during adenovirus infection. Kao HT, et al. **Mol Cell Biol** 1983 Nov;3(11):2058–65

The protein products of the myc and myb oncogenes and adenovirus E1a are structurally related. Ralston R, et al. **Nature** 1983 Dec 22–1984 Jan 4;306(5945):803–6

Site-specific nicking within the adenovirus inverted terminal repetition. Chow KC, et al. **Nucleic Acids Res** 1984 Feb 10;12(3):1489–500

A large inverted repeat sequence overlaps two acceptor splice sites in adenovirus. Munroe SH. **Nucleic Acids Res** 1983 Dec 20;11(24):8891–900

Deletion of cellular DNA at site of viral DNA insertion in the adenovirus type 12-induced mouse tumor CBA-12-1-T. Schulz M, et al. **Nucleic Acids Res** 1984 Jun 25;12(12):4959–76

Individual products of the adenovirus 12S and 13S E1a mRNAs stimulate viral E1Ia and E1II expression at the transcriptional level. Leff T, et al. **Proc Natl Acad Sci USA** 1984 Jul;81(14):4381–5

Specific binding of a cellular DNA replication protein to the origin of replication of adenovirus DNA. Nagata K, et al. **Proc Natl Acad Sci USA** 1983 Oct;80(20):6177–81

Role of the adenovirus transforming gene (E1A) in the general control of gene expression. Nevins JR, et al. **Transplant Proc** 1984 Apr;16(2):438–40

Polarity in adenovirus recombination. Munz PL, et al. **Virology** 1984 Jun;135(2):503–14

[Simple sequences of the rat genome detected by hybridization with adenovirus DNA] Ivanova MN, et al. **Dokl Akad Nauk SSSR** 1984;276(4):984–8 **(Rus)**

GROWTH & DEVELOPMENT

Variation of virus replication in primary bovine kidney cell cultures derived from 68 three-day-old calves. Stauber EH, et al. **Am J Vet Res** 1983 Dec;44(12):2376–8

Hyperthermia enhances the reactivation of irradiated adenovirus in HeLa cells. Piperakis SM, et al. **Br J Cancer** 1984 Feb;49(2):199–205

Cultivation of a porcine adenovirus in porcine thyroid cell cultures. Dea S, et al. **Cornell Vet** 1984 Jul;74(3):208–17

Structure and assembly of adenoviruses. Philipson L. **Curr Top Microbiol Immunol** 1984;109:1–52

IMMUNOLOGY

Corneal oedema after vaccination of dogs with canine adenovirus 2. Blogg JR. **Aust Vet J** 1983 Sep;60(9):284–5

Corneal oedema after vaccination of dogs with canine adenovirus vaccines. Watson AD, et al. **Aust Vet J** 1983 Dec;60(12):384

Comparison of enzyme-linked immunosorbent assay with hemagglutination-inhibition and immunodiffusion tests for detection of antibodies to a hemagglutinating duck adenovirus in chickens. Piela TH, et al. **Avian Dis** 1983 Jul–Sep;27(3):724–30

Serological survey of adenovirus antibodies in domestic animals in Nigeria. Obi TU, et al. **Comp Immunol Microbiol Infect Dis** 1984;7(1):63–8

Comparison of a monoclonal antibody with a polyclonal serum in an enzyme-linked immunosorbent assay for detecting adenovirus. Anderson LJ, et al. **J Clin Microbiol** 1983 Sep;18(3):463–8

Enzyme immunoassay for direct detection of influenza type A and adenovirus antigens in clinical specimens. Harmon MW, et al. **J Clin Microbiol** 1982 Jan;15(1):5–11

Cross-reactivity between enteric adenoviruses and adenovirus type 4: analysis of epitopes by solid-phase immune electron microscopy. Svensson L, et al. **J Gen Virol** 1983 Nov;64 (Pt 11):2517–20

A simple immunoperoxidase method for detecting enteric adenovirus and rotavirus in cell culture. Cevenini R, et al. **J Infect** 1984 Jan;8(1):22–7

Evidence of exposure of waterfowl and other aquatic birds

to the hemagglutinating duck adenovirus identical to EDS-76 virus. Gulka CM, et al. **J Wildl Dis** 1984 Jan; 20(1):1-5

Survey on antibody against hemorrhagic enteritis virus among chicken flocks in Japan. Yamaguchi S, et al. **Natl Inst Anim Health Q (Tokyo)** 1982 Winter;22(4):180-1

Immunity to canine adenovirus respiratory disease: effect of vaccination with an inactivated vaccine. Cornwell HJ, et al. **Vet Rec** 1983 Nov 26;113(22):509-12

Adenovirus type 12 specific cell surface antigen in transformed cells is a product of the E1b early region. Föhring B, et al. **Virology** 1983 Dec;131(2):463-72

Antibody directed to a synthetic peptide encoding the NH2-terminal 16 amino acids of the adenovirus type 2 E1B-53K tumor antigen recognizes the E1B-20K tumor antigen. Lucher LA, et al. **Virology** 1984 Jan 15; 132(1):217-21

Bovine adenoviruses. V. Diagnostic efficiency of dual-antigen immuno-diffusion test using two different group-reactive antigens in parallel. Messner A, et al. **Zentralbl Veterinarmed [B]** 1983 Dec;30(10):762-74

ISOLATION & PURIFICATION

Characterization of two serotypes of adenovirus isolated from sheep in the central United States. Lehmkuhl HD, et al. **Am J Vet Res** 1984 Mar;45(3):562-6

Experimental infection of lambs with ovine adenovirus isolate RTS-151: clinical, microbiological, and serologic responses. Lehmkuhl HD, et al. **Am J Vet Res** 1984 Feb; 45(2):260-2

Influence of water quality on enteric virus concentration by microporous filter methods. Sobsey MD, et al. **Appl Environ Microbiol** 1984 May;47(5):956-60

Purification and hemagglutinating properties of egg drop syndrome 1976 virus. Takai S, et al. **Arch Virol** 1984; 80(1):59-67

Isolation and identification of avian adenovirus from a case of inclusion body hepatitis in broilers in Malaysia. Vasandra Devi K, et al. **Br Vet J** 1983 Nov-Dec;139(6):556-9

Transplacental transmission of bovine adenoviruses. Bartha A, et al. **Comp Immunol Microbiol Infect Dis** 1983; 6(3):189-92

Isolation of the virus of egg drop syndrome 1976 (EDS-76) in a Japanese outbreak. Higashihara M, et al. **Nippon Juigaku Zasshi** 1983 Oct;45(5):603-12

Isolation of fowl adenovirus from tendons and tendon sheaths of chickens with leg weakness. Takase K, et al. **Nippon Juigaku Zasshi** 1983 Aug;45(4):517-8

[Isolation of adenoviruses from calves with bronchopneumonia] Sizov I, et al. **Vet Med Nauki** 1983; 20(5-6):52-6 (Eng. Abstr.) **(Bul)**

METABOLISM

Shut-off of actin biosynthesis in adenovirus serotype-2-infected cells. Khalili K, et al. **J Mol Biol** 1984 Jun 5;175(4):453-68

PATHOGENICITY

Pathogenicity of various adenovirus serotypes in the presence of Escherichia coli in chickens. Dhillon AS, et al. **Avian Dis** 1984 Jan-Mar;28(1):147-53

[Analysis of cell lines obtained from tumors induced in Syrian hamsters by SA7 adenovirus and its DNA] Tiunnikov TI, et al. **Vopr Virusol** 1983 Sep-Oct;28(5):607-11 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Replication of adenovirus mini-chromosomes. Hay RT, et al. **J Mol Biol** 1984 Jun 5;175(4):493-510

ULTRASTRUCTURE

Linking components between capsomers in the adenovirus capsid. Adám E, et al. **Acta Microbiol Hung** 1984; 31(1):69-74

Electron microscopic studies on the connections between capsomers in the adenovirus capsid. Adám E, et al. **Virology** 1984 Apr 15;134(1):233-7

ADENOVIRUS INFECTIONS

Ocular adenoviral infections. Laibson PR. **Int Ophthalmol Clin** 1984 Summer;24(2):49-64

A new animal model for human respiratory tract disease due to adenovirus. Pacini DL, et al. **J Infect Dis** 1984 Jul; 150(1):92-7

Disseminated adenovirus infection: a case report and review of the literature. Odio C, et al. **Pediatr Infect Dis** 1984 Jan-Feb;3(1):46-9

BLOOD

[Transient anomaly of coagulation in a viral disease. Association of acquired factor II deficiency with antiprothrombinase anticoagulant (letter)] Houbouyan L, et al. **Presse Med** 1984 May 5;13(19):1217 **(Fre)**

COMPLICATIONS

Acquired immune deficiency syndrome and multiple tract degeneration in a homosexual man. Horoupian DS, et al. **Ann Neurol** 1984 May;15(5):502-5

Haematemesis as a presentation of adenovirus type 7 infection. Bye AM, et al. **Aust Paediatr J** 1983 Sep;19(3):184

[Abscessing staphylococcal pneumonia following virus infection of the respiratory tract] Kunze W, et al. **Z Erkr Atmungsorgane** 1984;162(2):163-70 (Eng. Abstr.) **(Ger)**

[Various clinical variants of angina in acute respiratory viral diseases in adults] Grushinskaia IA, et al. **Vestn Otorinolaringol** 1983 Sep-Oct;(5):43-8 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Fatal adenoviral (type 7) respiratory disease in neonates. Bhat AM, et al. **Clin Pediatr (Phila)** 1984 Jul;23(7):409-11

Sonography (sound spectrography) as a measurement of larynx spasm in severe adenovirus infection and pertussis in infants. Peltola H, et al. **Infection** 1984 Mar-Apr; 12(2):102-3

Immunoassay diagnosis of adenovirus infections in children. Meurman O, et al. **J Clin Microbiol** 1983 Nov;18(5):1190-5

Rapid diagnosis of adenoviral tonsillitis: a prospective clinical study. Ruuskanen O, et al. **J Pediatr** 1984 May;104(5):725-8

Nitrocellulose-enzyme-linked immunosorbent assay (NC-ELISA) - a sensitive technique for the rapid visual detection of both viral antigens and antibodies. Bode L, et al. **J Virol Methods** 1984 Feb;8(1-2):111-21

Ocular viral infections. Pavan-Langston D. **Med Clin North Am** 1983 Sep;67(5):973-90 (28 ref.)

Association of adenovirus type 16 with Reye's-syndrome-like illness and pneumonia. Morgan PN, et al. **South Med J** 1984 Jul;77(7):827-30

[Serological diagnosis of adenovirus infection using a counterimmunoelectrophoretic reaction] Zevakov VF, et al. **Vopr Virusol** 1983 Sep-Oct;28(5):632-4 **(Rus)**

DRUG THERAPY

[The mechanism of treating adenovirus pneumonia in infants with a Huo Xue Hua Yu herbal mixture and electron microscopic observation--analysis of 93 cases complicated with disseminated intravascular coagulation] Yan TY. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Mar;4(3):139-42 (Eng. Abstr.) **(Chi)**

FAMILIAL & GENETIC

[Amplification of virocellular sequences avian adenovirus-induced tumor cells] Yasue H, et al. **Gan To Kagaku Ryoho** 1984 Mar;11(3 Pt 2):579-86 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

Effect of adenovirus infection on human peripheral lymphocytes. Horváth J, et al. **Acta Microbiol Hung** 1983; 30(3-4):203-9

Cytotoxic activity of lymphocytes from F 344 rats bearing intraocular tumor derived from human adenovirus 12-induced retinoblastoma-like cell line. Kobayashi M, et al. **Acta Pathol Jpn** 1984 Mar;34(2):283-7

Antibody response in rabbits following oral administration of human rota-, calici- and adenovirus. Brief report. Kjeldsberg E, et al. **Arch Virol** 1983;78(1-2):97-102

Serum complement component depression during acute adenovirus conjunctivitis. Gupta AK, et al. **Br J Ophthalmol** 1984 May;68(5):350-2

Susceptibility of Adenovirus 2-transformed rat cell lines to natural killer (NK) cells: direct correlation between NK resistance and in vivo tumorigenesis. Sheil JM, et al. **J Immunol** 1984 Mar;132(3):1578-82

[Laboratory procedures with adenoviruses. IX. Hexon antibody determination by countercurrent immunoelectrophoresis] Bohn KA, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Sep; 255(2-3):196-201 (Eng. Abstr.) **(Ger)**

METABOLISM

The left part of the viral genome is sufficient for interferon induction by adenovirus type 12. Tóth M, et al. **Arch Virol** 1984;79(1-2):45-53

Differences in sequence content of nuclear and cytoplasmic polyribosomal RNA from adenovirus-infected cells. Chatterjee NK, et al. **Biochem J** 1984 Mar 1;218(2):583-90

Host cell glucose metabolism during abortive infection by adenovirus type 12. Bardell D. **Microbios** 1984;39(156):95-9

MICROBIOLOGY

Human adenovirus infection in phytohaemagglutinin treated mice. Dam Viet Coung, et al. **Acta Microbiol Hung** 1984; 31(1):49-53

Characteristics of mastadenovirus h 8, the causative agent of epidemic keratoconjunctivitis. Wigand R, et al. **Arch Virol** 1983;76(4):307-19

Rapid culture test for adenovirus isolation. Darougar S, et al. **Br J Ophthalmol** 1984 Jun;68(6):405-8

Viruses associated with acute respiratory infections in children admitted to hospital in Naples, 1979-82. Montanaro D, et al. **Bull WHO** 1983;61(6):981-6

Flow cytophotometric and time-lapse cinematographic study of human cells infected by adenovirus type 2 wild-type and two DNA-negative temperature-sensitive mutants. Lemay P, et al. **J Gen Virol** 1984 Aug;65 (Pt 8):1419-23

Restriction endonuclease cleavage analysis of adenovirus type 8: two new subtypes from patients with epidemic keratoconjunctivitis in Sapporo, Japan. Fujii SI, et al. **Jpn J Med Sci Biol** 1983 Dec;36(6):307-13

[Epidemic keratoconjunctivitis] Klepacki R, et al. **Klin Oczna** 1983 Mar;85(3):107-9 (13 ref.) (Eng. Abstr.) **(Pol)**

[An electron microscopy study of the causes of acute gastroenteritis in children] Arslanagić E, et al. **Lijec Vjesn** 1984 May;106(5):175-9 (Eng. Abstr.) **(Scr)**

OCCURRENCE

Epidemic keratoconjunctivitis. Roche J. **Aust J Ophthalmol** 1983 Aug;11(3):181-3

Prevalence of acute conjunctivitis caused by chlamydia, adenovirus, and herpes simplex virus in an ophthalmic casualty department. Wishart PK, et al. **Br J Ophthalmol** 1984 Sep;68(9):653-5

Viral respiratory disease at Lowry Air Force Base in Denver, 1952-1982. Meiklejohn G. **J Infect Dis** 1983 Nov; 148(5):775-84

Eye hospital eye [letter] **Lancet** 1983 Dec 3;2(8362):1308

Outbreak of infantile gastroenteritis due to type 40 adenovirus. Chiba S, et al. **Lancet** 1983 Oct 22; 2(8356):954-7

PATHOLOGY

Dendritic corneal lesions [letter] Raju VK. **Arch Ophthalmol** 1984 May;102(5):662

PREVENTION & CONTROL

Eye hospital eye [editorial] **Lancet** 1983 Nov 5;2(8358):1065-6

THERAPY

Human fibroblast interferon in treatment of viral diseases of the skin and mucous membranes. Isacsohn M, et al. **Isr J Med Sci** 1983 Nov;19(11):959-62

Recombinant leukocyte A interferon for the treatment of serious viral infections after marrow transplant: a phase I study. Meyers JD, et al. **J Infect Dis** 1983 Sep; 148(3):551-6

Severe diffuse adenovirus 7a pneumonia in a child with combined immunodeficiency: possible therapeutic effect of human immune serum globulin containing specific neutralizing antibody. Dagan R, et al. **Pediatr Infect Dis** 1984 May-Jun;3(3):246-51

TRANSMISSION

Epidemic keratoconjunctivitis. Roche J. **Aust J Ophthalmol** 1983 Aug;11(3):181-3

Transplacental transmission of bovine adenoviruses. Bartha A, et al. **Comp Immunol Microbiol Infect Dis** 1983; 6(3):189-92

VETERINARY

Experimental infection of lambs with ovine adenovirus isolate RTS-151: lesions. Cutlip RC, et al. **Am J Vet Res** 1983 Dec;44(12):2395-402

Experimental infection of lambs with ovine adenovirus isolate RTS-151: clinical, microbiological, and serologic responses. Lehmkuhl HD, et al. **Am J Vet Res** 1984 Feb; 45(2):260-2

Characterization of two serotypes of adenovirus isolated from sheep in the central United States. Lehmkuhl HD, et al. **Am J Vet Res** 1984 Mar;45(3):562-6

Adenovirus inclusions in sheep liver. Peet RL, et al. **Aust Vet J** 1983 Oct;60(10):307-8

Experimental infection of laying chickens with adenovirus 127 and with a related virus isolated from ducks. Brugh M, et al. **Avian Dis** 1984 Jan-Mar;28(1):168-78

Pathogenicity of various adenovirus serotypes in the presence of Escherichia coli in chickens. Dhillon AS, et al. **Avian Dis** 1984 Jan-Mar;28(1):147-53

Efficacy and safety of a cell-culture live virus vaccine for hemorrhagic enteritis of turkeys: laboratory studies. Fadly AM, et al. **Avian Dis** 1984 Jan-Mar;28(1):183-96

Comparison of enzyme-linked immunosorbent assay with hemagglutination-inhibition and immunodiffusion tests for detection of antibodies to a hemagglutinating duck adenovirus in chickens. Piela TH, et al. **Avian Dis** 1983 Jul-Sep;27(3):724-30

Isolation and identification of avian adenovirus from a case of inclusion body hepatitis in broilers in Malaysia. Vasandra Devi K, et al. **Br Vet J** 1983 Nov-Dec;139(6):556-9

Enteric adenovirus infection in pigs. Sanford SE, et al. **Can J Comp Med** 1983 Oct;47(4):396-400

Adenovirus pneumonia in a puppy. van Rensburg IB, et al. **J S Afr Vet Assoc** 1983 Dec;54(4):267-9

Isolation of an adenovirus from black bear cubs. Pursell AR, et al. **J Wildl Dis** 1983 Jul;19(3):269-71

Survey on antibody against hemorrhagic enteritis virus among chicken flocks in Japan. Yamaguchi S, et al. **Natl Inst Anim Health Q (Tokyo)** 1982 Winter;22(4):180-1

Immunity to canine adenovirus respiratory disease: effect of vaccination with an inactivated vaccine. Cornwell HJ, et al. **Vet Rec** 1983 Nov 26;113(22):509-12

Multiple infections in young broilers. Randall CJ, et al. **Vet Rec** 1984 Mar 17;114(11):270-1

Bovine adenoviruses. V. Diagnostic efficiency of dual-antigen immuno-diffusion test using two different group-reactive antigens in parallel. Messner A, et al.

Zentralbl Veterinarmed [B] 1983 Dec;30(10):762–74

ADENOVIRUS INFECTIONS, HUMAN see under ADENOVIRUS INFECTIONS

ADENOVIRUSES, AVIAN see under ADENOVIRIDAE

ADENOVIRUSES, HUMAN

In vitro transformation of rat brain cells by adenovirus type 12. Akagi T, et al. **Acta Pathol Jpn** 1983 May;33(3):501–6

Cell-mediated immunity in F 344 rats bearing intraocular tumors derived from human adenovirus 12-induced retinal tumor. Kobayashi M, et al. **Gann** 1983 Oct;74(5):706–11

Isolation and characterization of four adenovirus type 12-transformed human embryo kidney cell lines. Whittaker JL, et al. **Mol Cell Biol** 1984 Jan;4(1):110–6

Chromosome changes in a human diploid cell line transformed by UV-irradiated adenovirus type 4. Hozoc M, et al. **Virologie** 1984 Jan–Mar;35(1):63–4

ANALYSIS

Polypeptides and immunoreactivity of empty adenovirus type 1 particles. Berencsi G, et al. **Acta Microbiol Hung** 1983; 30(3–4):189–97

Mutual orientation of peripentonal hexons and polypeptide subunits in the adenovirus capsid. Adám E, et al. **Arch Virol** 1984;79(3–4):299–305

Splicing of in vitro synthesized messenger RNA precursors in HeLa cell extracts. Hernandez N, et al. **Cell** 1983 Nov; 35(1):89–99

Splicing of messenger RNA precursors is inhibited by antisera to small nuclear ribonucleoprotein. Padgett RA, et al. **Cell** 1983 Nov;35(1):101–7

Peptide maps and N-terminal sequences of polypeptides from early region 1A of human adenovirus 5. Downey JF, et al. **J Virol** 1984 Apr;50(1):30–7

Ionic and nonionic interactions in adenoviral nucleoprotein complexes. Fedor MJ, et al. **J Virol** 1983 Aug;47(2):370–5

CLASSIFICATION

Restriction endonuclease cleavage analysis of adenovirus type 8: two new subtypes from patients with epidemic keratoconjunctivitis in Sapporo, Japan. Fujii SI, et al. **Jpn J Med Sci Biol** 1983 Dec;36(6):307–13

DRUG EFFECTS

Relationship of methyl purines produced by MNNG in adenovirus 5 DNA to viral inactivation in repair-deficient (Mer–) human tumor cell strains. Day RS 3d, et al. **Mutat Res** 1984 Feb;131(2):45–52

ENZYMOLOGY

The adenovirus type 5 capsid protein IIIa is phosphorylated during an early stage of infection of HeLa cells. Tsuzuki J, et al. **Virology** 1983 Sep;129(2):529–33

GENETICS

Possible causes of the loss of specific pBR322–Ad h 1 DNA recombinants following transfection. Palkonyay L, et al. **Acta Microbiol Hung** 1983;30(3–4):179–88

Restriction site maps of the human adenovirus type 8 DNA. Takács M, et al. **Acta Virol (Praha)** 1983 Jul;27(4):289–98

Initiation rate of adenovirus DNA synthesis in infected cell. D'Halluin JC, et al. **Biochim Biophys Acta** 1984 May 15; 782(1):67–75

Isolation and partial characterization of a human adenovirus type 4 temperature-sensitive mutant (Mastadenovirus h 4 ts1). Mofford LM, et al. **Can J Microbiol** 1984 Feb; 30(2):135–41

Comparison of virus reactivation, DNA base damage, and cell cycle effects in autologous human melanoma cells resistant to methylating agents. Hayward IP, et al. **Cancer Res** 1984 Jan;44(1):55–8

Increase in type I cyclic adenosine 3':5'-monophosphate-dependent protein kinase activity and specific accumulation of type I regulatory subunits in adenovirus type 12-transformed cells. Ledinko N, et al. **Cancer Res** 1984 Jun;44(6):2622–7

Activation of gene expression by adenovirus and herpesvirus regulatory genes acting in trans and by a cis-acting adenovirus enhancer element. Imperiale MJ, et al. **Cell** 1983 Nov;35(1):127–36

Nuclear-cytoplasmic transport and VAI RNA-independent translation of influenza viral messenger RNAs in late adenovirus-infected cells. Katze MG, et al. **Cell** 1984 Jun; 37(2):483–90

Complete transformation by adenovirus 2 requires both E1A proteins. Montell C, et al. **Cell** 1984 Apr;36(4):951–61

Structure and function of the adenovirus origin of replication. Rawlins DR, et al. **Cell** 1984 May;37(1):309–19

Adenovirus VAI RNA facilitates the initiation of translation in virus-infected cells. Schneider RJ, et al. **Cell** 1984 May; 37(1):291–8

The messenger RNAs from the transforming region of human adenoviruses. Pettersson U, et al. **Curr Top Microbiol Immunol** 1984;109:107–23

Adenoviruses have homology with a reiterated sequence in genomic DNA. Braithwaite AW, et al. **DNA** 1984 Jun; 3(3):223–30

Cytoplasmic RNA from normal and malignant human cells shows homology to the DNAs of Epstein-Barr virus and human adenoviruses. Arrand JR, et al. **EMBO J** 1983; 2(10):1673–83

Biochemical and genetical characterization of a fiber-defective temperature-sensitive mutant of type 2 adenovirus. Boudin ML, et al. **EMBO J** 1983;2(11):1921–7

Tupaia (tree shrew) adenovirus DNA: sequence of the left-hand fragment corresponding to the transforming early region of human adenoviruses. Brinckmann U, et al. **EMBO J** 1983;2(12):2185–8

Excision of amplified viral DNA at palindromic sequences from the adenovirus type 12-transformed hamster cell line T637. Eick D, et al. **EMBO J** 1983;2(11):1981–6

Patch homologies and the integration of adenovirus DNA in mammalian cells. Gahlmann R, et al. **EMBO J** 1982; 1(9):1101–4

A novel mRNA and a low molecular weight polypeptide encoded in the transforming region of adenovirus DNA. Katze MG, et al. **EMBO J** 1982;1(7):783–9

The unmethylated state of the promoter/leader and 5'-regions of integrated adenovirus genes correlates with gene expression. Kruczek I, et al. **EMBO J** 1982; 1(4):409–14

Tumor induction by human adenovirus type 12 in hamsters: loss of the viral genome from adenovirus type 12-induced tumor cells is compatible with tumor formation. Kuhlmann I, et al. **EMBO J** 1982;1(1):79–86

A size analysis of the adenovirus replicon. Lally C, et al. **EMBO J** 1984 Feb;3(2):333–7

The adenovirus type 12 – mouse cell system: permissivity and analysis of integration patterns of viral DNA in tumor cells. Starzinski-Powitz A, et al. **EMBO J** 1982;1(4):493–7

Adenovirus 2 early region 1A stimulates expression of both viral and cellular genes. Svensson C, et al. **EMBO J** 1984 Apr;3(4):789–94

Adenovirus DNA replication in vitro is stimulated by RNA from uninfected HeLa cells. van der Vliet PC, et al. **FEBS Lett** 1984 Jun 4;171(1):5–8

The nucleotide sequence of fragment HindIII-C of human adenovirus type 5 DNA (map positions 17.1–31.7). Dekker BM, et al. **Gene** 1984 Jan;27(1):115–20

Cloning of infectious adeno-associated virus genomes in bacterial plasmids. Laughlin CA, et al. **Gene** 1983 Jul; 23(1):65–73

Analysis of the interaction between DNA and major core protein in adenovirus chromatin by circular dichroism and ultraviolet light induced cross-linking. Sato K, et al. **J Biochem (Tokyo)** 1984 Apr;95(4):1031–9

Cell-free translation of adenovirus 2 E1a- and E1b-specific mRNAs and evidence that E1a-related polypeptides are produced from E1a-E1b overlapping mRNA. Hashimoto S, et al. **J Biol Chem** 1984 Jun 10;259(11):7016–23

In vitro transcription from the adenovirus 2 major late promoter utilizing templates truncated at promoter-proximal sites. Jove R, et al. **J Biol Chem** 1984 Jul 10;259(13):8513–21

Adenovirus hexon. Sequence comparison of subgroup C serotypes 2 and 5. Kinloch R, et al. **J Biol Chem** 1984 May 25;259(10):6431–6

Specific transcription of an adenoviral gene that possesses no TATA sequence homology in extracts of HeLa cells. Leong K, et al. **J Biol Chem** 1984 Sep 25;259(18):11527–33

In vitro transcription initiation by purified RNA polymerase II within the adenovirus 2 major late promoter region. Mishoe H, et al. **J Biol Chem** 1984 Feb 25;259(4):2236–42

Sequence of the DNA-binding protein gene of a human subgroup B adenovirus (type 7). Comparisons with subgroup C (type 5) and subgroup A (type 12). Quinn CO, et al. **J Biol Chem** 1984 Apr 25;259(8):5003–9

Point mutations in the regulatory region of the human adenoviral VAI gene. Rohan RM, et al. **J Biol Chem** 1983 Oct 10;258(19):11576–81

Transformation by human adenoviruses. Graham FL, et al. **J Cell Physiol [Suppl]** 1984;3:151–63

Characterization of an early temperature-sensitive and cytocidal double mutant of adenovirus type 2. D'Halluin JC, et al. **J Gen Virol** 1984 Aug;65 (Pt 8):1305–17

Flow cytophotometric and time-lapse cinematographic study of human cells infected by adenovirus type 2 wild-type and two DNA-negative temperature-sensitive mutants. Lemay P, et al. **J Gen Virol** 1984 Aug;65 (Pt 8):1419–23

Nuclease sensitivity of adenovirus type 2 chromatin in lytic infection. Toth M, et al. **J Gen Virol** 1984 Sep;65 (Pt 9):1611–5

Genome variants of adenovirus 41 (subgroup G) from children with diarrhoea in South Africa. Kidd AH. **J Med Virol** 1984;14(1):49–59

Early region 1B of adenovirus 2 encodes two coterminal proteins of 495 and 155 amino acid residues. Anderson CW, et al. **J Virol** 1984 May;50(2):387–96

Oncogenicity by adenovirus is not determined by the transforming region only. Bernards R, et al. **J Virol** 1984 Jun;50(3):847–53

Isolation of transformation-defective, replication-nondefective early region 1B mutants of adenovirus 12. Fukui Y, et al. **J Virol** 1984 Jan;49(1):154–61

Sequence homology between bovine and human adenoviruses. Hu SL, et al. **J Virol** 1984 Feb;49(2):604–8

Loss of viral genomes from hamster tumor cells and nonrandom alterations in patterns of methylation of integrated adenovirus type 12 DNA. Kuhlmann I, et al. **J Virol** 1983 Sep;47(3):631–6

The adenovirus type 2-simian virus 40 hybrid virus Ad2+ND4 requires deletion variants to grow in monkey cells. Lewis AM Jr, et al. **J Virol** 1983 Aug;47(2):344–53

Requirement for either early region 1a or early region 1b adenovirus gene products in the helper effect for adeno-associated virus. Richardson WD, et al. **J Virol** 1984 Aug;51(2):404–10

Translation of adenovirus 2 late mRNAs microinjected into cultured African green monkey kidney cells. Richardson WD, et al. **J Virol** 1984 Aug;51(2):559–62

Production of a monospecific antiserum against the early region 1A proteins of adenovirus 12 and adenovirus 5 by an adenovirus 12 early region 1A-beta-galactosidase fusion protein antigen expressed in bacteria. Scott MO, et al. **J Virol** 1984 Jun;50(3):895–903

Expression of the E4 gene is required for establishment of soft-agar colony-forming rat cell lines transformed by the adenovirus 12 E1 gene. Shiroki K, et al. **J Virol** 1984 Jun; 50(3):854–63

Translation efficiency of adenovirus early region 1A mRNAs deleted in the 5' untranslated region. Spindler KR, et al. **J Virol** 1984 Sep;51(3):884–8

Independent mutations in Ad2ts111 cause degradation of cellular DNA and defective viral DNA replication. Stillman BW, et al. **J Virol** 1984 May;50(2):598–605

Cloning and physical mapping of enteric adenoviruses (candidate types 40 and 41). Takiff HE, et al. **J Virol** 1984 Jul;51(1):131–6

Splice junctions in adenovirus 2 early region 4 mRNAs: multiple splice sites produce 18 to 24 RNAs. Tigges MA, et al. **J Virol** 1984 Apr;50(1):106–17

Infection of eucaryotic cells by helper-independent recombinant adenoviruses: early region 1 is not obligatory for integration of viral DNA. Van Doren K, et al. **J Virol** 1984 May;50(2):606–14

mRNAs from human adenovirus 2 early region 4. Virtanen A, et al. **J Virol** 1984 Sep;51(3):822–31

Replication and recombination in adenovirus-infected cells are temporally and functionally related. Young CS, et al. **J Virol** 1984 Sep;51(3):571–7

The interplay between host and viral genes in adenovirus gene expression. Philipson L. **Klin Wochenschr** 1984 May 15;62(10):433–40

Accelerated onset of viral transcription in adenovirus-infected HeLa cells treated with the tumor promoter 12-O-tetradecanoyl-phorbol-13-acetate. Carter TH, et al. **Mol Cell Biol** 1984 Mar;4(3):563–6

Initiation by RNA polymerase II and formation of runoff transcripts containing unblocked and unmethylated 5' termini. Ernst H, et al. **Mol Cell Biol** 1983 Dec;3(12):2172–9

Requirement for distal upstream sequences for maximal transcription in vitro of early region IV of adenovirus. Handa H, et al. **Mol Cell Biol** 1984 Apr;4(4):791–8

Adenovirus 5 E2 transcription unit: an E1A-inducible promoter with an essential element that functions independently of position or orientation. Imperiale MJ, et al. **Mol Cell Biol** 1984 May;4(5):875–82

Common control of the heat shock gene and early adenovirus genes: evidence for a cellular E1A-like activity. Imperiale MJ, et al. **Mol Cell Biol** 1984 May;4(5):867–74

Regulation of adenovirus transcription by an E1a gene in microinjected Xenopus laevis oocytes. Jones NC, et al. **Mol Cell Biol** 1983 Dec;3(12):2131–42

Control of adenovirus E1B mRNA synthesis by a shift in the activities of RNA splice sites. Montell C, et al. **Mol Cell Biol** 1984 May;4(5):966–72

Adenovirus VA RNAI: a positive regulator of mRNA translation. Svensson C, et al. **Mol Cell Biol** 1984 Apr; 4(4):736–42

Heat-enhanced reactivation of UV-irradiated adenovirus 2 is not associated with enhanced mutagenesis in HeLa cells. Piperakis SM, et al. **Mutat Res** 1984 Apr;139(4):173–6

Inhibition of RNA cleavage but not polyadenylation by a point mutation in mRNA 3' consensus sequence AAUAAA. Montell C, et al. **Nature** 1983 Oct 13–19; 305(5935):600–5

Expression of dihydrofolate reductase, and of the adjacent E1b region, in an Ad5-dihydrofolate reductase recombinant virus. Berkner KL, et al. **Nucleic Acids Res** 1984 Feb 24; 12(4):1925–41

The adenovirus-2 E1a early gene promoter: sequences required for efficient in vitro and in vivo transcription. Elkaim R, et al. **Nucleic Acids Res** 1983 Oct 25; 11(20):7105–17

Trans activation of plasmid-borne promoters by adenovirus and several herpes group viruses. Everett RD, et al. **Nucleic Acids Res** 1984 Aug 10;12(15):5969–78

Characterization of the major mRNAs from adenovirus 2 early region 4 by cDNA cloning and sequencing. Freyer GA, et al. **Nucleic Acids Res** 1984 Apr 25;12(8):3503–19

Integration of viral DNA into the genome of the adenovirus type 2-transformed hamster cell line HE5 without loss or alteration of cellular nucleotides. Gahlmann R, et al. **Nucleic Acids Res** 1983 Nov 11;11(21):7347–61

An enhancer element is located 340 base pairs upstream from the adenovirus-2 E1A capsite. Hen R, et al. **Nucleic Acids Res** 1983 Dec 20;11(24):8747–60

Transcription of methylated eukaryotic viral genes in a soluble in vitro system. Jove R, et al. **Nucleic Acids Res** 1984 Jun 11;12(11):4715–30

Adenovirus DNA synthesized in the presence of aphidicolin.

Oguro M, et al. **Nucleic Acids Res** 1984 Jan 25; 12(2):1077–86

Specific binding of the adenovirus terminal protein precursor–DNA polymerase complex to the origin of DNA replication. Rijnders AW, et al. **Nucleic Acids Res** 1983 Dec 20;11(24):8777–89

Far upstream sequences are required for efficient transcription from the adenovirus–2 E1A transcription unit. Sassone–Corsi P, et al. **Nucleic Acids Res** 1983 Dec 20; 11(24):8735–45

Altered mRNA splicing in monkey cells abortively infected with human adenovirus may be responsible for inefficient synthesis of the virion fiber polypeptide. Anderson KP, et al. **Proc Natl Acad Sci USA** 1984 Jul;81(13):4023–7

Template requirements for the initiation of adenovirus DNA replication. Challberg MD, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(1):100–4

Adenovirus early region 1A protein activates transcription of a nonviral gene introduced into mammalian cells by infection or transfection. Gaynor RB, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(4):1193–7

In vitro–synthesized adenovirus 2 messenger RNA precursors are accurately spliced by nuclear extracts. Goldenberg CJ. **Proc Natl Acad Sci USA** 1984 Aug; 81(15):4707–11

Isolation of human DNA sequences that bind to nuclear factor I, a host protein involved in adenovirus DNA replication. Gronostajski RM, et al. **Proc Natl Acad Sci USA** 1984 Jul;81(13):4013–7

DNA sequences required for the in vitro replication of adenovirus DNA. Guggenheimer RA, et al. **Proc Natl Acad Sci USA** 1984 May;81(10):3069–73

Expression of the chloramphenicol acetyltransferase gene in mammalian cells under the control of adenovirus type 12 promoters: effect of promoter methylation on gene expression. Kruczek I, et al. **Proc Natl Acad Sci USA** 1983 Dec;80(24):7586–90

DNA methylation of three 5' C–C–G–G 3' sites in the promoter and 5' region inactivate the E2a gene of adenovirus type 2. Langner KD, et al. **Proc Natl Acad Sci USA** 1984 May;81(10):2950–4

Adenovirus tripartite leader sequence enhances translation of mRNAs late after infection. Logan J, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(12):3655–9

Efficient coupled transcription and mRNA splicing in vitro using plasmids derived from early region 3 of adenovirus 2 and a nondefective adenovirus–simian virus 40 hybrid. Pawar S, et al. **Proc Natl Acad Sci USA** 1984 May; 81(9):2679–83

Initiation of adenovirus DNA replication in vitro requires a specific DNA sequence. Tamanoi F, et al. **Proc Natl Acad Sci USA** 1983 Nov;80(21):6446–50

Studies on transformation of mammalian cells by human adenovirus type 5 (Ad5) and Ad5 DNA. Graham FL, et al. **Prog Clin Biol Res** 1983;132C:313–25

Adenovirus E1a gene product expressed at high levels in Escherichia coli is functional. Ferguson B, et al. **Science** 1984 Jun 22;224(4655):1343–6

Novel role of viral gene expression in determining the tumor–inducing capacity of transformed cells. Levine AS, et al. **Transplant Proc** 1984 Apr;16(2):441–8

The nucleotide sequence at the recombination/integration sites of the hybrid viruses Ad2+ND3 and Ad2+ND5. Ahmed CM, et al. **Virology** 1984 Feb;133(1):233–7

Construction and characterization of an adenovirus type 5/adenovirus type 12 recombinant virus. Bernards R, et al. **Virology** 1983 Nov;131(1):30–8

Accumulation of early and intermediate mRNA species during subgroup C adenovirus productive infections. Binger MH, et al. **Virology** 1984 Jul 30;136(2):387–403

Deletion mutants of region E1a of AD12 E1 plasmids: effect on oncogenic transformation. Bos JL, et al. **Virology** 1983 Sep;129(2):393–400

Efficient transformation of rat 3Y1 cells by human adenovirus type 9. Brusca JS, et al. **Virology** 1984 Jul 30;136(2):328–37

Structure and reversion of an adenovirus type 2 mutant containing a duplication of the left end of the genome at the right end. Brusca JS, et al. **Virology** 1983 Sep; 129(2):381–92

Recombination in adenovirus: DNA sequence analysis of crossover sites in intertypic recombinants. Mautner V, et al. **Virology** 1983 Nov;131(1):1–10

The role of adenovirus early region 1A in the regulation of early regions 2A and 1B expression. Rossini M. **Virology** 1983 Nov;131(1):49–58

The pattern of integration of viral DNA sequences in the adenovirus 5–transformed human cell line 293. Spector DJ. **Virology** 1983 Oct 30;130(2):533–8

Morphological transformation of human adenoviruses is determined to a large extent by gene products of region E1a. van den Elsen PJ, et al. **Virology** 1983 Nov; 131(1):242–6

Protein composition of adenovirus nucleoprotein complexes extracted from infected cells. Weber J, et al. **Virology** 1984 Jul 30;136(2):321–7

[Analysis of retinoblastoma for human adenovirus 12 genome] Suzuki N, et al. **Nippon Ganka Gakkai Zasshi** 1984 Feb; 88(2):319–23 (Eng. Abstr.) **(Jpn)**

[Replication of eukaryotic virus DNA] Ikeda JE. **Tanpakushitsu Kakusan Koso** 1983 Aug;28(9):1052–61 (64 ref.) **(Jpn)**

GROWTH & DEVELOPMENT

Human adenovirus infection in phytohaemagglutinin treated mice. Dam Viet Coung, et al. **Acta Microbiol Hung** 1984; 31(1):49–53

IMMUNOLOGY

Effect of adenovirus infection on human peripheral lymphocytes. Horváth J, et al. **Acta Microbiol Hung** 1983; 30(3–4):203–9

Virological studies of malignant tumours of the urogenital system. Kulcsár G, et al. **Acta Microbiol Hung** 1983; 30(3–4):199–202

Application of a solid–phase immunofluorometric assay to the selection of monoclonal antibody specific for the adenovirus group–reactive hexon antigen. Hierholzer JC, et al. **Arch Virol** 1984;80(1):1–10

Characterization of the SS–B (La) antigen in adenovirus–infected and uninfected HeLa cells. Habets WJ, et al. **EMBO J** 1983;2(10):1625–31

Human adenovirus 2 E1B–19K and E1B–53K tumor antigens: antipeptide antibodies targeted to the NH2 and COOH termini. Green M, et al. **J Virol** 1983 Dec;48(3):604–15

Analysis of adenovirus transforming proteins from early regions 1A and 1B with antisera to inducible fusion antigens produced in Escherichia coli. Spindler KR, et al. **J Virol** 1984 Jan;49(1):132–41

Nitrocellulose–enzyme–linked immunosorbent assay (NC–ELISA) – a sensitive technique for the rapid visual detection of both viral antigens and antibodies. Bode L, et al. **J Virol Methods** 1984 Feb;8(1–2):111–21

Differential NK cell and macrophage killing of hamster cells infected with nononcogenic or oncogenic adenovirus. Cook JL, et al. **Science** 1984 May 11;224(4649):612–5

Intracellular localization of adenovirus type 5 tumor antigens in productively infected cells. Rowe DT, et al. **Virology** 1983 Sep;129(2):456–68

Characterization of human p53 antigens employing primate specific monoclonal antibodies. Thomas R, et al. **Virology** 1983 Dec;131(2):502–17

[Laboratory procedures with adenoviruses. IX. Hexon antibody determination by countercurrent immunoelectrophoresis] Bohn KA, et al. **Zentralbl Bakteriol Mikrobiol Hyg** [A] 1983 Sep; 255(2–3):196–201 (Eng. Abstr.) **(Ger)**

[Laboratory procedures with adenoviruses. X. Hemagglutination with glutaraldehyde–fixed erythrocytes] Lang S, et al. **Zentralbl Bakteriol Mikrobiol Hyg** [A] 1983 Sep;255(2–3):202–8 (Eng. Abstr.) **(Ger)**

[Associated live vaccine against influenza, adenovirus type 4 and Mycoplasma pneumoniae] Smorodintsev AA, et al. **Tr Inst Pastera** 1982;58:3–13 **(Rus)**

[Effect of adenovirus and influenza virus on the thymus–dependent and thymus–independent immune response] Frolov AF, et al. **Vopr Virusol** 1984 Jan–Feb; 29(1):79–82 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Rapid culture test for adenovirus isolation. Darougar S, et al. **Br J Ophthalmol** 1984 Jun;68(6):405–8

[Adenovirus and acquired immunodeficiency syndrome/Kaposi sarcoma (letter)] Ingrand D, et al. **Presse Med** 1983 Dec 17;12(46):2949 **(Fre)**

METABOLISM

The replication of adenovirus DNA with purified proteins. Stillman BW. **Cell** 1983 Nov;35(1):7–9 (20 ref.)

The kinetics of synthesis of early viral proteins in KB cells infected with wild–type and transformation–defective host–range mutants of human adenovirus type 5. Rowe DT, et al. **J Gen Virol** 1984 Mar;65 (Pt 3):585–97

Morphogenesis of human adenovirus type 2: sequence of entry of proteins into previral and viral particles. Morin N, et al. **Virology** 1984 Jul 15;136(1):153–67

PATHOGENICITY

Neoplastic transformation induced by adeno 12–SV40 hybrid virus in skin fibroblasts from humans genetically predisposed to cancer. Rhim JS, et al. **Cancer Detect Prev** 1983;6(3):345–53

[Characteristics of rat kidney cell lines transformed by the DNA of human adenovirus type 6] Ponomareva TI, et al. **Vopr Virusol** 1984 Jan–Feb;29(1):42–50 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Different interferon–inducing ability of human adenovirus types in chick embryo cells. Tóth M, et al. **Acta Virol (Praha)** 1983 Jul;27(4):337–45

EM study of fastidious adenovirus type 40 replication in vitro. Ujfalusi MJ, et al. **Arch Virol** 1984;79(3–4):307–9

Characteristics of mastadenovirus h 8, the causative agent of epidemic keratoconjunctivitis. Wigand R, et al. **Arch Virol** 1983;76(4):307–19

Adenovirus type 5 early region 1b gene product is required for efficient shutoff of host protein synthesis. Babiss LE, et al. **J Virol** 1984 Apr;50(1):202–12

Characterization of a host range mutant of human adenovirus 12 defective in early region 1B. Fukui Y, et al. **J Virol** 1984 Apr;50(1):132–6

Role of a low–pH environment in adenovirus enhancement of the toxicity of a Pseudomonas exotoxin–epidermal growth factor conjugate. Seth P, et al. **J Virol** 1984 Sep; 51(3):650–5

Entry of adenovirus 2 into HeLa cells. Svensson U, et al. **J Virol** 1984 Sep;51(3):687–94

Immunological characterization of the role of adenovirus terminal protein in viral DNA replication. Rijnders AW, et al. **Virology** 1983 Dec;131(2):287–95

RADIATION EFFECTS

Transformation of human diploid cells by adenovirus type 4 irradiated with ultraviolet light. Hozoc M, et al. **Virologie** 1983 Oct–Dec;34(4):273–82

ULTRASTRUCTURE

Arrangement of hexons and polypeptide subunits in the adenovirus capsid. Nász I, et al. **Acta Microbiol Hung** 1983; 30(3–4):169–78

Ion etching of human adenovirus 2: structure of the core. Newcomb WW, et al. **J Virol** 1984 Jul;51(1):52–6

First look inside adenoviruses [news] Maugh TH 2d. **Science** 1984 Feb 3;223(4635):473

Electron microscopic studies on the connections between capsomers in the adenovirus capsid. Adám E, et al. **Virology** 1984 Apr 15;134(1):233–7

ADENOVIRUSES, SIMIAN see under **ADENOVIRIDAE**

ADENYL CYCLASE

ANALYSIS

Adenylate cyclase in the microvessels of the rat brain. A histochemical study with light and electron microscopy. Szumańska G, et al. **Acta Neuropathol (Berl)** 1984; 62(3):219–24

Histochemical and biochemical study on adenylate cyclase and 5'–nucleotidase activity in thyroid glands with normal and various thyroid diseases. Mizukami Y. **Acta Pathol Jpn** 1983 Sep;33(5):895–906

Cytochemical study on the distribution of adenylate cyclase in guinea pig testis. Pascolini R, et al. **Anat Rec** 1983 Dec; 207(4):629–33

Cytochemical localization of adenylcyclase in the lateral wall of the inner ear. Mees K. **Arch Otorhinolaryngol** 1984; 240(1):55–61

Novel serotonin receptors in Fasciola. Characterization by studies on adenylate cyclase activation and [3H]LSD binding. McNall SJ, et al. **Biochem Pharmacol** 1984 Sep 1;33(17):2789–97

Desensitization of serotonin–stimulated adenylate cyclase in the liver fluke Fasciola hepatica. McNall SJ, et al. **Biochem Pharmacol** 1984 Sep 1;33(17):2799–805

Adenylyl cyclase system of the small preovulatory follicles of the domestic hen: responsiveness to follicle–stimulating hormone and luteinizing hormone. Calvo FO, et al. **Biol Reprod** 1983 Oct;29(3):542–7

Striatal dopamine–stimulated adenylate cyclase activity reflects susceptibility of rats to 7,12–dimethylbenz[a]anthracene–induced mammary tumor development. Goldman PR, et al. **Carcinogenesis** 1984 Jul; 5(7):971–3

The axosomatic contacts on the bursting neuron of the snail Helix pomatia. II. Ultrastructural localization of adenylate cyclase. Koval LM, et al. **Cell Mol Neurobiol** 1984 Mar; 4(1):43–52

Differences of adenylate cyclase localization in guinea–pig peritoneal macrophages under different physiological conditions: an ultracytochemical study. Dini G, et al. **Histochem J** 1983 Sep;15(9):911–8

Two pools of electron cytochemically demonstrable adenylate cyclase activity in cortical synaptosomes. Rostomian MA, et al. **Histochemistry** 1983;78(4):531–8

The cardiac and brain microvessel adenylate cyclase system in deoxycorticosterone acetate–hypertensive rats. Schütz W, et al. **J Cardiovasc Pharmacol** 1984 Mar–Apr; 6(2):325–30

The prognostic value of parallel measurements of thyrotropin binding inhibiting immunoglobulins (TBII) and thyroid adenylate cyclase stimulating antibodies (TSAb) in Graves' disease after longterm antithyroid treatment. Bliddal H, et al. **J Endocrinol Invest** 1983 Aug;6(4):259–62

Decreased response with age of the cardiac catecholamine sensitive adenylate cyclase system. Kusiak JW, et al. **Life Sci** 1983 Oct 24;33(17):1679–86

Agonist–induced desensitization of the beta–adrenergic receptor–linked adenylate cyclase. Harden TK. **Pharmacol Rev** 1983 Mar;35(1):5–32 (279 ref.)

Adenylate cyclase in gastric mucosal biopsies from patients with achlorhydria. Stimulation by PGE2, histamine and gastrointestinal hormones. Becker M, et al. **Pharmacology** 1983;27(4):211–8

Mode of action of the cholera–coli family of enterotoxins. Gill DM. **Prog Food Nutr Sci** 1983;7(3–4):143–6

[Opiate receptors and adenyl cyclase] Zhang Dc, et al. **Sheng Li Ko Hsueh Chin Chan** 1983 Oct;14(4):343–7 **(Chi)**

[Adenylate cyclase and guanylate cyclase activities in plasma membrane fraction of cultured retinal pigment epithelial cells from chick embryo: effects of melatonin, taurine and latex beads] Shirakawa H, et al.

Nippon Ganka Gakkai Zasshi 1984 Feb;88(2):203–7 (Eng. Abstr.) **(Jpn)**

[The cellular mechanism of action of gastrin on the corporal mucosa of the canine stomach. (1). The effect of gastrin on adenylate cyclase activity] Noguchi M, et al. **Nippon Naibunpi Gakkai Zasshi** 1983 Jun 20;59(6):847–56 (Eng. Abstr.) **(Jpn)**

ANTAGONISTS & INHIBITORS

Mechanisms and components involved in adenylate cyclase inhibition by hormones. Jakobs KH, et al. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1984; 17:135–43 (31 ref.)

On the mechanism of receptor–mediated inhibition of adenylate cyclase. Klee WA, et al. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1984; 17:153–9

Islet–activating protein, pertussis toxin: a specific uncoupler of receptor–mediated inhibition of adenylate cyclase. Ui M, et al. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1984; 17:145–51 (31 ref.)

Halothane inhibition of canine myocardial adenylate cyclase—modulation by endogenous factors. Bernstein KJ, et al. **Anesth Analg** 1984 Mar;63(3):285–9

Studies on the mechanism of inhibition of amphibian oocyte adenylate cyclase by progesterone. Jordana X, et al. **Arch Biochem Biophys** 1984 Feb 1;228(2):379–87

Gossypol inhibition of adenylate cyclase. Olgiati KL, et al. **Arch Biochem Biophys** 1984 Jun;231(2):411–5

Inhibition of rat salivary gland adenylate cyclase by glycosaminoglycans and high molecular weight polyanions. Cutler LS, et al. **Arch Oral Biol** 1984;29(8):629–33

Inhibition of adenylate cyclase and stimulation of a high affinity GTPase by the antilipolytic agents, nicotinic acid, acipimox and various related compounds. Aktories K, et al. **Arzneimittelforsch** 1983;33(11):1525–7

Atrial natriuretic factor inhibits adenylate cyclase activity. Anand–Srivastava MB, et al. **Biochem Biophys Res Commun** 1984 Jun 29;121(3):855–62

Association of adenylate cyclase inhibition by NaF with loss of a factor in rat heart sarcolemma. Michiel DF, et al. **Biochem Biophys Res Commun** 1983 Sep 15;115(2):583–9

Phorbol diesters promote beta–adrenergic receptor phosphorylation and adenylate cyclase desensitization in duck erythrocytes. Sibley DR, et al. **Biochem Biophys Res Commun** 1984 Jun 29;121(3):973–9

Inhibition of cardiac adenylate cyclase by an irreversible beta–adrenergic blocker. Kusiak JW, et al. **Biochem Pharmacol** 1984 Feb 1;33(3):483–5

Inhibition by phenothiazine derivatives of the adenylate cyclase of amphibian oocytes. Olate J, et al. **Biochem Pharmacol** 1983 Nov 1;32(21):3227–32

Inhibition of adenylate cyclase activity of human thyroid membranes by gangliosides. Dacremont G, et al. **Biochim Biophys Acta** 1984 Mar 14;770(2):142–7

The possible involvement of adenylate cyclase inhibition in the field potential suppression through alpha–2 adrenergic receptors in the bed nucleus of the stria terminalis. Matsui H, et al. **Brain Res** 1984 Feb 13;293(1):187–90

Demonstration of specific receptors for adenosine in guinea–pig myocardium. Leung E, et al. **Clin Exp Pharmacol Physiol** 1983 May–Jun:10(3):325–9

Calcium inhibition of parathyroid adenylate cyclase. Oldham SB, et al. **Endocrinology** 1984 Jan;114(1):207–14

Inhibition of adenylate cyclase in rat adrenal glomerulosa cells by angiotensin II. Woodcock EA, et al. **Endocrinology** 1984 Jul;115(1):337–41

Mechanism of pertussis toxin action on the adenylate cyclase system. Inhibition of the turn–on reaction of the inhibitory regulatory site. Jakobs KH, et al. **Eur J Biochem** 1984 Apr 2;140(1):177–81

Guanine–nucleotide–dependent inhibition of adenylate cyclase of rabbit heart by glucagon. Kiss Z, et al. **Eur J Biochem** 1984 Jul 16;142(2):323–8

Protamine inhibits adenylate cyclase activity: a possible reason for the toxicity of protamine. Kiss Z, et al. **Experientia** 1983 Dec 15;39(12):1381–2

Vasopressin inhibits the adenylate cyclase activity of human platelet particulate fraction through V1–receptors. Vanderwel M, et al. **FEBS Lett** 1983 Dec 12;164(2):340–4

Beta–adrenoreceptor antagonists with multiple pharmacophores: persistent inhibition of rat heart adenylate cyclase. Kusiak JW, et al. **J Auton Pharmacol** 1983 Sep; 3(3):195–201

The inhibitory guanine nucleotide–binding regulatory component of adenylate cyclase. Subunit dissociation and guanine nucleotide–dependent hormonal inhibition. Katada T, et al. **J Biol Chem** 1984 Mar 25;259(6):3578–85

Effect of palmitoyl carnitine on Na+, K+–ATPase and adenylate cyclase activity of canine myocardial sarcolemma. Abe M, et al. **J Mol Cell Cardiol** 1984 Mar; 16(3):239–45

Modification of receptor–mediated inhibition of adenylate cyclase in NG108–15 neuroblastoma X glioma cells by n–ethylmaleimide. Smith MM, et al. **J Pharmacol Exp Ther** 1984 Feb;228(2):425–33

Pertussis toxin decreases opiate receptor binding and adenylate inhibition in a neuroblastoma x glioma hybrid cell line. Costa T, et al. **Life Sci** 1983;33 Suppl 1:219–22

Role of 2–ketobutyrate as an alarmone in E. coli K12: inhibition of adenylate cyclase activity mediated by the phosphoenolpyruvate: glycose phosphotransferase transport system. Daniel J, et al. **MGG** 1984;193(3):467–72

Dopaminergic inhibition of adenylate cyclase correlates with high affinity agonist binding to anterior pituitary D2 dopamine receptors. McDonald WM, et al. **Mol Cell Endocrinol** 1984 Jul;36(3):201–9

Islet–activating protein impairs alpha 2–adrenoceptor–mediated inhibitory regulation of human platelet adenylate cyclase. Aktories K, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1983 Nov; 324(3):196–200

A comparison between muscarinic receptor occupancy, adenylate cyclase inhibition, and inotropic response in human heart. Delhaye M, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Feb; 325(2):170–5

[3H]5′–N–ethylcarboxamide adenosine binds to both Ra and Ri adenosine receptors in rat striatum. Yeung SM, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Mar; 325(3):218–25

Inhibition of the histamine–stimulated adenylate cyclase activity of guinea pig gastric cells by the H2–receptor antagonists cimetidine, oxmetidine and SKF 93479. Cheret AM, et al. **Pharmacology** 1984;28(5):268–74

SQ 22536, an adenylate–cyclase inhibitor, prevents the antiplatelet effect of dazoxiben, a thromboxane–synthetase inhibitor. Bertelé V, et al. **Thromb Haemost** 1984 Feb 28; 51(1):125–8

BIOSYNTHESIS

Induction of catecholamine–responsive adenylate cyclase in HeLa cells by sodium butyrate. Evidence for a more efficient stimulatory regulatory component. Kassis S, et al. **J Biol Chem** 1984 Apr 25;259(8):4910–6

BLOOD

Insensitivity of platelet adenylate cyclase to prostaglandin E1 in patients with hypokalemic diseases. Güllner HG, et al. **Ann Intern Med** 1984 Sep;101(3):342–3

The effect of membrane preparation and cellular maturation on human erythrocyte adenylate cyclase. Nakagawa M, et al. **Biochim Biophys Acta** 1984 Mar 14;770(2):122–6

Effects of NaCl and GTP on the inhibition of platelet adenylate cyclase by 1–O–octadecyl–2–O–acetyl–sn–glyceryl–3–phosphorylcho (synthetic platelet–activating factor). Williams KA, et al. **Biochim Biophys Acta** 1984 Mar 14;770(2):216–23

In vitro maturation of the rat reticulocyte beta–adrenoceptor adenylate cyclase system. Montandon JB, et al. **Biomed Biochim Acta** 1983;42(11–12):S197–201

Characteristics of the adenylate cyclase system of differentiating rabbit bone marrow erythroblasts. Setchenska MS, et al. **Biomed Biochim Acta** 1983; 42(11–12):S192–6

Effects of alpha 2–adrenoceptor agonists and of related compounds on aggregation of, and on adenylate cyclase activity in, human platelets. Clare KA, et al. **Br J Pharmacol** 1984 Jun;82(2):467–76

Mononuclear leukocyte beta 2–adrenergic receptors and adenylate cyclase sensitivity in insulin–dependent diabetes mellitus. Sérusclat P, et al. **Diabetes** 1983 Sep;32(9):825–9

Adenylate cyclase in the maturing human reticulocyte: selective loss of the catalytic unit, but not of the receptor–cyclase coupling protein. Farfel Z, et al. **Eur J Clin Invest** 1984 Feb;14(1):79–82

Differences in beta–adrenergic receptor density and adenylate cyclase activity between normal and leukaemic leukocytes. Paietta E, et al. **Eur J Clin Invest** 1983 Aug; 13(4):339–46

Effects of proteolysis on the actions of monovalent cations and 1–O–octadecyl–2–O–acetyl–sn–glyceryl–3–phosphorylcho on platelet adenylate cyclase. Williams KA, et al. **FEBS Lett** 1984 Jan 23;166(1):13–8

Ns and Ni, the stimulatory and inhibitory regulatory components of adenylyl cyclases. Purification of the human erythrocyte proteins without the use of activating regulatory ligands. Codina J, et al. **J Biol Chem** 1984 May 10;259(9):5871–86

Effects of guanine nucleotides and Mg on human erythrocyte Ni and Ns, the regulatory components of adenylyl cyclase. Codina J, et al. **J Biol Chem** 1984 Sep 25;259(18):11408–18

A second guanyl nucleotide–binding site associated with adenylate cyclase. Distinct nucleotides activate adenylate cyclase and permit ADP–ribosylation by cholera toxin. Gill DM, et al. **J Biol Chem** 1983 Oct 10;258(19):11908–14

The inhibitory guanine nucleotide–binding regulatory component of adenylate cyclase. Properties and function of the purified protein. Katada T, et al. **J Biol Chem** 1984 Mar 25;259(6):3568–77

Inhibition of hormone–stimulated adenylate cyclase activity after altering turkey erythrocyte phospholipid composition with a nonspecific lipid transfer protein. Phosphatidylinositol uncouples catecholamine binding from adenylate cyclase activation. McOsker CC, et al. **J Biol Chem** 1983 Nov 10;258(21):13017–26

Cell–free desensitization of catecholamine–sensitive adenylate cyclase. Agonist– and cAMP–promoted alterations in turkey erythrocyte beta–adrenergic receptors. Nambi P, et al. **J Biol Chem** 1984 Apr 10;259(7):4629–33

Desensitization of turkey erythrocyte adenylate cyclase. Beta–adrenergic receptor phosphorylation is correlated with attenuation of adenylate cyclase activity. Sibley DR, et al. **J Biol Chem** 1984 Aug 10;259(15):9742–9

Activation, desensitization, and recycling of frog erythrocyte beta–adrenergic receptors. Differential perturbation by in situ trypsinization. Strulovici B, et al. **J Biol Chem** 1984 Apr 10;259(7):4389–95

beta 2– and alpha 2–adrenergic receptors and receptor coupling to adenylate cyclase in human mononuclear leukocytes and platelets in relation to physiological variations of sex steroids. Rosen SG, et al. **J Clin Endocrinol Metab** 1984 Jun;58(6):1068–76

Calcium–dependent proteolytic stimulation of adenylate cyclase in platelets from spontaneously hypertensive rats. Tremblay J, et al. **Metabolism** 1984 Aug;33(8):689–95 (60 ref.)

Identification of receptor regulatory proteins, membrane glycoproteins, and functional characteristics of adenylate cyclase in vesicles derived from the human neutrophil. Lad PM, et al. **Mol Immunol** 1984 Jul;21(7):627–39

Phorbol ester induces desensitization of adenylate cyclase and phosphorylation of the beta–adrenergic receptor in turkey erythrocytes. Kelleher DJ, et al. **Proc Natl Acad Sci USA** 1984 Jul;81(14):4316–20

Effect of beta 2–glycoprotein I on the activity of adenylate cyclase in platelet membranes. Schousboe I. **Thromb Res** 1983 Nov 1;32(3):291–9

[The effects of mild proteolytic digestion and certain aspects of changing plasma membrane fluidity on the activation of adenylate cyclase and the binding of 125I–pindolol to beta–adrenergic receptors in the chicken erythrocyte membrane] Hynie S, et al. **Cesk Fysiol** 1984;33(2):108–13 **(Cze)**

[The adenylate cyclase system of human platelets] Ferry N, et al. **Nouv Rev Fr Hematol** 1983;25(6):343–53 (56 ref.) (Eng. Abstr.) **(Fre)**

CEREBROSPINAL FLUID

Presence of cerebral parathyroid hormone—responsive adenylcyclase in humans [letter] Smits MG, et al. **Ann Neurol** 1983 Sep;14(3):348–9

GENETICS

Mutations of adenylate cyclase in yeast, mouse, and man. Bourne HR, et al. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1984; 17:199–205 (24 ref.)

Molecular cloning of the tsm0185 gene responsible for adenylate cyclase activity in Saccharomyces cerevisiae. Masson P, et al. **Ann Microbiol (Paris)** 1984 May–Jun; 135(3):343–51

The regulation of adenylate cyclase in adipocyte plasma membrane from genetically obese (ob/ob) mice. French RR, et al. **Diabetologia** 1984 Jun;26(6):466–72

Regulation of adenylate cyclase synthesis in Escherichia coli: nucleotide sequence of the control region. Roy A, et al. **EMBO J** 1983;2(5):791–7

Analysis of the cya locus of Escherichia coli. Koop AH, et al. **Gene** 1984 May;28(2):133–46

Cyclic AMP may not be involved in catabolite repression in Saccharomyces cerevisiae: evidence from mutants unable to synthesize it. Matsumoto K, et al. **J Bacteriol** 1983 Nov; 156(2):898–90

Identification of the structural gene and nonsense alleles for adenylate cyclase in Saccharomyces cerevisiae. Matsumoto K, et al. **J Bacteriol** 1984 Jan;157(1):277–82

Increased membrane–associated nucleoside diphosphate kinase activity as a possible basis for enhanced guanine nucleotide–dependent adenylate cyclase activity induced by picolinic acid treatment of simian virus 40–transformed normal rat kidney cells. Kimura N, et al. **J Biol Chem** 1983 Oct 25;258(20):12609–17

Evidence for a small catalytic domain in the adenylate cyclase from Salmonella typhimurium. Leib TK, et al. **J Biol Chem** 1983 Nov 10;258(21):12982–7

Identification of the Escherichia coli cya gene product as authentic adenylate cyclase. Danchin A, et al. **J Mol Biol** 1984 May 25;175(3):403–8

[Mechanism of catabolite repression in Escherichia coli bacteria: interaction between transport proteins and adenylate cyclase] Voloshin AG, et al. **Biokhimiia** 1983 Oct;48(10):1624–33 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Intestinal resistance to cholera toxin in mouse. Antitoxic antibodies and desensitization of adenylate cyclase. Lange S, et al. **Int Arch Allergy Appl Immunol** 1984;74(3):221–5

Protection against experimental cholera in the rat. A study on the formation of antibodies against cholera toxin and desensitization of adenylate cyclase after immunization with cholera toxin. Lange S, et al. **Int Arch Allergy Appl Immunol** 1984;75(2):143–8

Studies on cholera–toxin–induced desensitization of adenylate cyclase in the mouse intestinal mucosa. Lönnroth I, et al. **Int Arch Allergy Appl Immunol** 1984;74(3):226–31

ISOLATION & PURIFICATION

Resolution, reconstitution, and mode of action of the beta–adrenergic receptor–dependent adenylate cyclase. Feder D, et al.

Adv Cyclic Nucleotide Protein Phosphorylation Res 1984; 17:61–71

Isolation of homologous and heterologous complexes between catalytic and regulatory components of adenylate cyclase by forskolin–Sepharose. Pfeuffer T, et al. **FEBS Lett** 1983 Nov 28;164(1):154–60

Subcellular localization of adenylate cyclase and guanylate cyclase in heart muscle cells. Slezák J, et al. **Histochem J** 1984 Apr;16(4):380–2

Purification and properties of the inhibitory guanine nucleotide–binding regulatory component of adenylate cyclase. Bokoch GM, et al. **J Biol Chem** 1984 Mar 25; 259(6):3560–7

Identification of a gamma subunit associated with the adenylyl cyclase regulatory proteins Ns and Ni. Hildebrandt JD, et al. **J Biol Chem** 1984 Feb 25; 259(4):2039–42

Separation of the catalytic and stimulatory regulatory subunits of rat brain adenylate cyclase. Bradham LS, et al. **J Cyclic Nucleotide Protein Phosphor Res** 1983; 9(4–5):331–40

METABOLISM

Thyroid hormone regulation of beta–adrenergic receptors and catecholamine sensitive adenylate cyclase in foetal heart. Das DK, et al. **Acta Endocrinol (Copenh)** 1984 Aug; 106(4):569–76

Influence of antiganglioside antibodies on thyrotrophin binding and adenyl cyclase activity of thyroid plasma membranes. Gardas A, et al. **Acta Endocrinol (Copenh)** 1983 Nov;104(3):333–9

Coupling between the beta–adrenergic receptor and the adenylate cyclase—pathophysiological implications. Wesslau C. **Acta Med Scand [Suppl]** 1983;672:17–20

Characterization of the beta–adrenergic receptor on the human platelet: a beta 2–subtype. Klysner R, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Apr;54(4):265–9

Modulation of an adenylate cyclase–linked serotonin (5–HT) receptor system in a neuroblastoma x brain explant hybrid cell line (NCB–20) by opiates, prostaglandins, and alpha 2–adrenergic agonists. Berry–Kravis E, et al. **Adv Biochem Psychopharmacol** 1983;37:361–72

Antidepressant treatments and regulation of norepinephrine–receptor–coupled adenylate cyclase systems in brain. Sulser F. **Adv Biochem Psychopharmacol** 1984;39:249–61 (58 ref.)

Interaction of forskolin with resolved adenylate cyclase components. Bender JL, et al. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1984; 17:101–9

The mechanism of activation of light–activated phosphodiesterase and evidence for homology with hormone–activated adenylate cyclase. Bitensky MW, et al. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1984; 17:227–37 (26 ref.)

Mechanisms in the vectorial receptor–adenylate cyclase signal transduction. Codina J, et al. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1984; 17:111–25 (32 ref.)

Pertussis toxin: lessons from biological and biochemical effects in different cells. Hewlett EL, et al. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1984; 17:173–82 (45 ref.)

Prostacyclin–sensitive adenylate cyclase and prostacyclin binding sites in platelets and smooth muscle cells. Nicosia S, et al. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1984; 17:593–9

6–ketoprostaglandin E1 activates adenylate cyclase in human platelet membranes through prostacyclin receptors. Oliva D, et al. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1984; 17:601–4

Hormone–adenylate cyclase coupling in osteosarcoma clonal cell lines. Rodan GA, et al. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1984; 17:127–34

Structure–function problems with the adenylate cyclase system. Rodbell M. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1984; 17:207–14 (25 ref.)

Reconstitution of partial reactions requiring the beta–adrenergic receptor and the specific response to binding of the agonist. Schramm M, et al. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1984; 17:29–35 (35 ref.)

Interaction of forskolin with dually regulated adenylate cyclase. Seamon KB, et al. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1984; 17:91–9

Mechanisms of guanine nucleotide–mediated regulation of adenylate cyclase activity. Smigel M, et al. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1984; 17:1–18 (38 ref.)

Gangliosides as modulators of the coupling of neurotransmitters to adenylate cyclase. Dawson G, et al. **Adv Exp Med Biol** 1984;174:341–53

Effect of chronic ethanol ingestion on the cyclic AMP system of the upper gastrointestinal tract in the rat. Seitz HK, et al. **Alcoholism (NY)** 1983 Fall;7(4):369–71

Defect in the adrenergic receptor–adenylate cyclase system during development of catecholamine–induced cardiomyopathy. Corder DW, et al. **Am Heart J** 1984 Mar; 107(3):537–42

Effect of PTH and 1,25(OH)2D3 on renal 25(OH)D3 metabolism, adenylate cyclase, and protein kinase. Armbrecht HJ, et al. **Am J Physiol** 1984 Jan;246(1 Pt 1):E102–7

Decrease in adenylate cyclase activity in dog livers during endotoxic shock. Ghosh S, et al. **Am J Physiol** 1983 Nov; 245(5 Pt 1):R737–42

Ontogenesis of hormone–dependent adenylate cyclase in isolated rat nephron segments. Imbert–Teboul M, et al. **Am J Physiol** 1984 Aug;247(2 Pt 2):F316–25

GTP and Na+ modulate receptor–adenyl cyclase coupling and receptor–mediated function. Limbird LE. **Am J Physiol** 1984 Jul;247(1 Pt 1):E59–68

Norepinephrine increases beta–receptors and adenylate cyclase in canine myocardium. Raum WJ, et al. **Am J Physiol** 1984 Jan;246(1 Pt 2):H31–6

Effect of gentamicin treatment on adenylate cyclase and Na+, K+–ATPase activities in renal tissues of rats. Queener SF, et al. **Antimicrob Agents Chemother** 1983 Nov; 24(5):815–8

Germ cell adenylyl cyclase activity in the human undescended testis and the effect of HCG–treatment. Läckgren G, et al. **Arch Androl** 1984;12(1):97–102

Role of the carbohydrate moiety of human choriogonadotropin in its thyrotropic activity. Amr S, et al. **Arch Biochem Biophys** 1984 Feb 15;229(1):170–6

Detergent–induced distinctions between fluoride– and vanadate–stimulated adenylate cyclases and their responses to guanine nucleotides. Combest WL, et al. **Arch Biochem Biophys** 1983 Sep;225(2):916–27

Activation of renal adenylate cyclase by forskolin: assessment of enzymatic activity in animal models of the secondary hyperparathyroid state. Forte LR. **Arch Biochem Biophys** 1983 Sep;225(2):898–905

Structure of membrane–associated and solubilized uterine adenylate cyclase. Evidence against activation through dissociable subunit interactions in the lipid bilayer. Frolich M, et al. **Arch Biochem Biophys** 1983 Oct 1;226(1):166–73

A kinetic analysis of activation of smooth muscle adenylate cyclase by forskolin. Krall JF. **Arch Biochem Biophys** 1984 Mar;229(2):492–7

Changes in adenylate cyclase and phosphodiesterase activities during the growth cycle of adult rat hepatocytes in primary culture. Lad PJ, et al. **Arch Biochem Biophys** 1984 Aug 1;232(2):679–84

Dopamine–sensitive adenylate–cyclase in rabbit superior mesenteric artery. Collier WL, et al. **Arch Int Pharmacodyn Ther** 1984 Mar;268(1):106–12

Forskolin, a potent adenylate cyclase activator, lowers rabbit intraocular pressure. Smith BR, et al. **Arch Ophthalmol** 1984 Jan;102(1):146–8

Enkephalin–mediated inhibition of forskolin–stimulated rabbit luteal adenylyl cyclase activity. Abramowitz J, et al. **Biochem Biophys Res Commun** 1983 Oct 31; 116(2):574–80

Angiotensin II receptors negatively coupled to adenylate cyclase in rat aorta. Anand–Srivastava MB. **Biochem Biophys Res Commun** 1983 Dec 16;117(2):420–8

Structural requirements for VIP interaction with specific receptors in human and rat intestinal membranes: effect of nine partial sequences. Couvineau A, et al. **Biochem Biophys Res Commun** 1984 Jun 15;121(2):493–8

Pertussis toxin reverses Gpp(NH)p inhibition of basal and forskolin activated adipocyte adenylate cyclase. Fain JN, et al. **Biochem Biophys Res Commun** 1983 Oct 31; 116(2):651–6

Identification of adenylate cyclase–coupled beta–adrenergic receptors in the developing mammalian palate. Garbarino MP, et al. **Biochem Biophys Res Commun** 1984 Feb 29; 119(1):193–202

The mode of action of chloride on rabbit heart adenylate cyclase. Harding SE, et al. **Biochem Biophys Res Commun** 1984 Jan 30;118(2):555–60

Requirement for both choleragen and pertussis toxin to obtain maximal activation of adenylate cyclase in cultured cells. Hsia JA, et al. **Biochem Biophys Res Commun** 1984 Mar 30;119(3):1068–74

The effect of anions and cations on cardiac adenylate cyclase: interactions with isoprenaline and GTP. Leclerc L, et al. **Biochem Biophys Res Commun** 1984 Jan 30;118(2):561–6

Separation and properties of a regulatory GTPase activity associated with the adenylate cyclase system in rat brain synaptic plasma membranes. Enomoto K, et al. **Biochem Int** 1983 Jan;6(1):81–91

Characterization of the homologous and heterologous desensitization of rat Leydig–tumour–cell adenylate cyclase. Dix CJ, et al. **Biochem J** 1984 Jun 15;220(3):803–9

Problems associated with assessment of the effect of GDP upon hormone stimulation of adenylate cyclase [letter] Murphy GJ, et al. **Biochem J** 1983 Nov 15;216(2):527–8

Activation of Neurospora crassa soluble adenylate cyclase by calmodulin. Reig JA, et al. **Biochem J** 1984 Jul 15; 221(2):541–3

Phosphorylated adenosine derivatives as low–affinity adenosine–receptor agonists. Methodological implications for the adenylate cyclase assay. Schütz W, et al. **Biochem J** 1984 May 15;220(1):207–12

N6–(Phenylisopropyl)adenosine prevents glucagon both blocking insulin's activation of the plasma–membrane cyclic AMP phosphodiesterase and uncoupling hormonal stimulation of adenylate cyclase activity in hepatocytes. Wallace AV, et al. **Biochem J** 1984 Aug 15;222(1):177–82

The role of a guanine nucleotide–binding protein in the activation of rat liver plasma–membrane adenylate cyclase by forskolin. Wong SK, et al. **Biochem J** 1983 Dec 15; 216(3):753–9

Altered hormone sensitivity of adenylate cyclase in myocardial sarcolemma of renal hypertensive rats. Anand–Srivastava MB, et al. **Biochem Pharmacol** 1983 Oct 1;32(19):2857–62

Reconstitution of catecholamine–stimulated guanosinetriphosphatase activity. Brandt DR, et al. **Biochemistry** 1983 Sep 13;22(19):4357–62

Structure of brain adenylate cyclase: proteolysis–dependent modifications. d'Alayer J, et al. **Biochemistry** 1983 Aug 2;22(16):3948–53

Selective photoinduced uncoupling of the response of adenylate cyclase to gonadotropins by 5–iodonaphthyl 1–azide. Raviv Y, et al. **Biochemistry** 1984 Jan 31; 23(3):503–8

Two site binding of bepridil and modulation of adenylate cyclase in cardiac sarcolemmal membranes. Cramb G, et al. **Biochim Biophys Acta** 1983 Dec 7;736(1):99–108

Regulation by calcium and calmodulin of adenylate cyclase from rabbit intestinal epithelium. Lazo PS, et al. **Biochim Biophys Acta** 1984 Apr 24;798(3):361–7

Dimethylnitrosamine inhibits the glucagon–stimulated adenylate cyclase activity of rat liver plasma membranes and decreases plasma membrane fluidity. Whetton AD, et al. **Biochim Biophys Acta** 1984 Jun 13;773(1):106–12

Effects of dexamethasone administration to pregnant rats on adenylate cyclase and cyclic AMP phosphodiesterase activities in the maternal and fetal lungs. Chaudhary KC, et al. **Biol Neonate** 1984;45(4):188–96

Adenylate cyclase activity and localization in necrotic and non–necrotic areas of rat myocardium after injection of high doses of isoproterenol. Schulze W, et al. **Biomed Biochim Acta** 1984;43(1):67–75

Characteristics of the adenylyl cyclase system of differentiating rabbit bone marrow erythroblasts. Setchenska MS, et al. **Biomed Biochim Acta** 1983; 42(9):1111–22

Inhibitory effect of clonidine upon adenylate cyclase activity, cyclic AMP production, and insulin release in rat pancreatic islets. Garcia–Morales P, et al. **Biosci Rep** 1984 Jun;4(6):511–21

The beta–adrenergic receptor adenylate cyclase complex of Rauscher murine erythroleukemia cells and its response to erythropoietin–induced differentiation. Sytkowski AJ, et al. **Blood** 1984 Jul;64(1):84–90

Dopamine–stimulated adenylate cyclase in hypothalamus: influence of estrous cycle in female and castration in male rats. Barr GA, et al. **Brain Res** 1983 Oct 31;277(2):299–303

Axonal transport of adenylate cyclase activity in normal and axotomized frog sciatic nerve. Carlsen RC. **Brain Res** 1982 Jan 28;232(2):413–24

Biogenic amine–sensitive adenylate cyclases in primary culture of neuronal or glial cells from mesencephalon. Chneiweiss H, et al. **Brain Res** 1984 Jun 8;302(2):363–70

The beta–adrenergic receptor system in human glioma–derived cell lines: the mode of phosphodiesterase induction and the macromolecules phosphorylated by cyclic AMP–dependent protein kinase. Shitara N, et al. **Brain Res** 1984 Mar 26;296(1):67–74

Adenylate cyclase activity in Y1 mouse adrenocortical tumor cells: some properties of the enzyme associated with purified plasma membrane fractions. Schimmer BP. **Can J Biochem Cell Biol** 1983 Jul;61(7):547–52

Forskolin potentiates calcium–dependent amylase secretion from rat pancreatic acinar cells. Heisler S. **Can J Physiol Pharmacol** 1983 Oct;61(10):1168–76

G proteins and dual control of adenylate cyclase. Gilman AG. **Cell** 1984 Mar;36(3):577–9

Loss of calcium/calmodulin responsiveness in adenylate cyclase of rutabaga, a Drosophila learning mutant. Livingstone MS, et al. **Cell** 1984 May;37(1):205–15

cAMP levels and in situ measurement of adenylate cyclase and cAMP phosphodiesterase activities during yeast–to–hyphae transition in the dimorphic fungus Mucor rouxii. Cantore ML, et al. **Cell Biol Int Rep** 1983 Nov; 7(11):947–54

Cytochemical localization of adenylate cyclase activity in parenchymal cells of adult and fetal rat liver. Stefanini S, et al. **Cell Mol Biol** 1983;29(4):291–7

Interaction of the insecticide 1,1,1–trichloro–2,2–bis(p–chlorophenyl)ethane with the beta–receptor adenylate cyclase system in Chang liver cell membranes. Buff K, et al. **Chem Biol Interact** 1983 Dec; 47(3):337–46

Effects of delta 1– and delta 6–tetrahydrocannabinol on the adenylate cyclase activity in ventricular tissue of the rat heart. Li DM, et al. **Clin Exp Pharmacol Physiol** 1984 Jan–Feb;11(1):81–5

The molecular mechanism of action of the beta–adrenergic receptor. Schramm M, et al. **Cold Spring Harbor Symp Quant Biol** 1983;48 Pt 1:187–91

Study in pig coronary smooth muscle cell subcellular fractions of the activity of various enzymes involved in lipid metabolism and of the beta–receptor adenylate cyclase couple. Imesch E, et al. **Comp Biochem Physiol [B]** 1984; 77(3):501–6

Pharmacology of the octopamine–stimulated adenylate

cyclase of the locust and tick CNS. Morton DB. **Comp Biochem Physiol [C]** 1984;78(1):153–8
The molecular basis for adrenergic desensitization in hamster brown adipose tissue: uncoupling of adenylate cyclase activation. Svartengren J, et al. **Comp Biochem Physiol [C]** 1984;78(1):159–70
cAMP synthesis in the rat oocyte. Olsiewski PJ, et al. **Dev Biol** 1983 Dec;100(2):287–93
The adrenergic beta-receptor adenylate cyclase system in heart and lymphocytes from streptozotocin-diabetic rats. In vivo and in vitro evidence for a desensitized myocardial beta-receptor. Gøtzsche O. **Diabetes** 1983 Dec; 32(12):1110–6
Characteristics of an adenylate cyclase enhancing factor from mouse pancreatic islet cytosol. Thams P, et al. **Diabetologia** 1984 May;26(5):375–8
Localization of adenylate cyclase during development of Dictyostelium discoideum. Merkle RK, et al. **Differentiation** 1984;26(1):23–9
Is the secretagogue effect of deoxycholic acid mediated by the adenylate cyclase-cAMP system. Farack UM, et al. **Digestion** 1983;28(3):170–5
Regulation of adenylate cyclase in E. coli. Gstrein-Reider E, et al. **EMBO J** 1982;1(3):333–7
Effects of guanine nucleotides and divalent cations on forskolin activation of rabbit luteal adenylyl cyclase: evidence for the existence of an inhibitory guanine nucleotide-binding regulatory component. Abramowitz J, et al. **Endocrinology** 1984 Jun;114(6):1955–62
Inhibition by certain plant extracts of the binding and adenylate cyclase stimulatory effect of bovine thyrotropin in human thyroid membranes. Auf'mkolk M, et al. **Endocrinology** 1984 Aug;115(2):527–34
Uncoupling of the parathyroid hormone receptor-adenylate cyclase system of canine kidney during dietary phosphorus deprivation. Bellorin-Font E, et al. **Endocrinology** 1984 Aug;115(2):544–9
Calcium is an inhibitor of luteinizing hormone-sensitive adenylate cyclase in the luteal cell. Dorflinger LJ, et al. **Endocrinology** 1984 Apr;114(4):1208–15
Evidence that organic iodine attenuates the adenosine 3',5'-monophosphate response to thyrotropin stimulation in thyroid tissue by an action at or near the adenylate cyclase catalytic unit. Filetti S, et al. **Endocrinology** 1983 Nov;113(5):1608–15
Endocrine role of the decidual tissue: decidual luteotropin regulation of luteal adenylyl cyclase activity, luteinizing hormone receptors, and steroidogenesis. Gibori G, et al. **Endocrinology** 1984 Sep;115(3):1157–63
Alteration of transmembrane sodium and potassium gradients inhibits the action of luteinizing hormone in the luteal cell. Gore SD, et al. **Endocrinology** 1984 Jun;114(6):2020–31
Hormone-independent activation of adenylate cyclase in large steroidogenic ovine luteal cells does not result in increased progesterone secretion. Hoyer PB, et al. **Endocrinology** 1984 Feb;114(2):604–8
In vitro comparisons of hepatic adenylate cyclase from normal and hypophysectomized rat liver plasma membrane. Hung CH, et al. **Endocrinology** 1984 Apr;114(4):1155–62
Naturally occurring forms of thyrotropin with low bioactivity and altered carbohydrate content act as competitive antagonists to more bioactive forms. Joshi LR, et al. **Endocrinology** 1983 Dec;113(6):2145–54
Human chorionic gonadotropin-induced heterologous desensitization of adenylyl cyclase from highly luteinized rat ovaries: attenuation of regulatory N component activity. Kirchick HJ, et al. **Endocrinology** 1983 Nov;113(5):1638–46
Effects of estradiol treatment on rabbit luteal adenylyl cyclase: loss of luteinizing hormone receptors and attenuation of the regulatory N component activity. Kirchick HJ, et al. **Endocrinology** 1983 Nov;113(5):1629–37
Luteal adenylyl cyclase does not develop sensitivity to desensitization by human chorionic gonadotropin in the absence of nonluteal ovarian tissue. Kirchick HJ, et al. **Endocrinology** 1983 Dec;113(6):2052–8
The somatostatin receptor is directly coupled to adenylate cyclase in GH4C1 pituitary cell membranes. Koch BD, et al. **Endocrinology** 1984 May;114(5):1784–90
Relevance of the low and high affinity thyrotropin-binding sites of human thyroid membranes to the stimulation of adenylate cyclase. Lefort GP, et al. **Endocrinology** 1984 Mar;114(3):1005–11
Forskolin stimulates adenylate cyclase activity, adenosine 3',5'-monophosphate production and peptide release from the intermediate lobe of the rat pituitary gland. Miyazaki K, et al. **Endocrinology** 1984 Mar;114(3):761–6
In vivo desensitization of the beta, but not the alpha 2-adrenoreceptor-coupled-adenylate cyclase system in hamster white adipocytes after administration of epinephrine. Pecquery R, et al. **Endocrinology** 1984 May; 114(5):1576–83
The effect of dexamethasone on parathyroid hormone stimulation of adenylate cyclase in ROS 17/2.8 cells. Rodan SB, et al. **Endocrinology** 1984 Sep;115(3):951–8
Renal cortical adenylate cyclase: characterization of magnesium activation. Rude RK. **Endocrinology** 1983 Oct; 113(4):1348–55
Studies on cyclic nucleotides in the adrenal gland. XI. Adrenergic regulation of adenylate cyclase activity in the adrenal cortex. Shima S, et al. **Endocrinology** 1984 Feb; 114(2):325–9
Presence of an adenylate cyclase dually regulated by somatostatin and human pancreatic growth hormone (GH)-releasing factor in GH-secreting cells. Spada A, et al. **Endocrinology** 1984 Sep;115(3):1203–9
Forskolin regulation of liver membrane adenylyl cyclase. Birnbaumer L, et al. **Eur J Biochem** 1983 Oct 17; 136(1):107–12
Regulation by adenosine of the vasopressin-sensitive adenylate cyclase in pig-kidney cells (LLC-PK1L) grown in defined media. Roy C. **Eur J Biochem** 1984 Sep 3; 143(2):243–50
Forskolin stimulates adenylate cyclase in human colonic crypts: interaction with VIP. Boige N, et al. **Eur J Pharmacol** 1984 May 18;101(1–2):111–7
The adenylate cyclase activity in heart membranes from normotensive and spontaneously hypertensive rats, after chemical sympathectomy, suggests the presence of presynaptic secretin receptors. Chatelain P, et al. **Eur J Pharmacol** 1983 Sep 30;93(3–4):271–6
Interactions of vasopressin agonists and antagonists with membrane receptors. Fahrenholz F, et al. **Eur J Pharmacol** 1984 Apr 13;100(1):47–58
Possible role of prostaglandins in the effects of the cannabinoids on adenylate cyclase activity. Hillard CJ, et al. **Eur J Pharmacol** 1983 Jul 15;91(1):21–7
The chemical basis for the blockade of the D-1 dopamine receptor by SCH 23390. Itoh Y, et al. **Eur J Pharmacol** 1984 Apr 13;100(1):119–22
Selective blockade of dopamine D-1 receptors by SCH 23390 discloses striatal dopamine D-2 receptors mediating the inhibition of adenylate cyclase in rats. Onali P, et al. **Eur J Pharmacol** 1984 Mar 16;99(1):127–8
Effect of opiates on human colonic adenylate cyclase activity. Rachmilewitz D, et al. **Eur J Pharmacol** 1983 Sep 30; 93(3–4):169–73
Adenylate cyclase and H+ production of isolated rat parietal cells in response to glucagon and histamine. Schepp W, et al. **Eur J Pharmacol** 1984 Feb 10;98(1):9–18
The effect of triamterene on myocardial phosphodiesterase and adenylate cyclase. Schuhmacher P, et al. **Eur J Pharmacol** 1983 Nov 11;95(1–2):71–7
Evidence for catecholamine-stimulated adenylate cyclase activity in frog and rabbit corneal epithelium and cyclic AMP-dependent protein kinase and its protein substrates in frog corneal epithelium. Reinach PS, et al. **Exp Eye Res** 1983 Oct;37(4):327–35
Hepatic adenylate cyclase and phosphodiesterase activity during acute ethionine intoxication. Wong KH, et al. **Exp Mol Pathol** 1984 Feb;40(1):122–34
Decreased adenylate cyclase responsiveness of transformed cells correlates with the presence of a viral transforming protein. Beckner SK. **FEBS Lett** 1984 Jan 23;166(1):170–4
Culture of the terminally differentiated ventricular cardiac muscle cell. Characterization of exogenous substrate oxidation and the adenylate cyclase system. Claycomb WC, et al. **FEBS Lett** 1984 Apr 24;169(2):261–6
GTPase activity associates with the inhibitory GTP-binding regulatory component of adenylate cyclase purified from rat brain. Enomoto K, et al. **FEBS Lett** 1984 Jun 11; 171(2):233–9
Activation of adenylate cyclase by sperm membranes. The role of guanine nucleotide binding proteins. Hanski E, et al. **FEBS Lett** 1983 Oct 17;162(2):447–52
The phorbol ester, TPA inhibits glucagon-stimulated adenylate cyclase activity. Heyworth CM, et al. **FEBS Lett** 1984 May 7;170(1):38–42
Are guanine nucleotide binding proteins a distinct class of regulatory proteins? Hughes SM. **FEBS Lett** 1983 Nov 28; 164(1):1–8
Calmodulin activates adenylate cyclase from rabbit heart plasma membranes. Panchenko MP, et al. **FEBS Lett** 1984 Aug 20;174(1):50–4
Mechanisms for the emergence of catecholamine-sensitive adenylate cyclase and beta-adrenergic receptors in cultured hepatocytes. Dependence on protein and RNA synthesis and suppression by isoproterenol. Refsnes M, et al. **FEBS Lett** 1983 Dec 12;164(2):291–8
Inhibition by somatostatin of the vasopressin-stimulated adenylate cyclase in a kidney-derived line of cells grown in defined medium. Roy C. **FEBS Lett** 1984 Apr 24; 169(2):133–7
The effect of carbacyclin, a prostaglandin analogue, on adenylate cyclase activity in platelet membranes. Stein JM, et al. **FEBS Lett** 1984 Jan 9;165(2):290–2
A conjugate of the A1 peptide of cholera toxin and the lectin of Wisteria floribunda that activates the adenylate cyclase of intact cells. van Heyningen S. **FEBS Lett** 1983 Nov 28;164(1):132–4
Pharmacological properties and localization of dopamine-sensitive adenylate cyclase in the carp retina. Van Buskirk R, et al. **Fed Proc** 1984 Sep;43(12):2719–24
Relationship between the fluidity of the membrane lipids and the activity of the membrane-bound proteins: the effects of lidocaine on the adenylate cyclase activity of rat myocardium. Illiano G, et al. **Gen Pharmacol** 1983; 14(6):669–72
Choleragen, adenylate cyclase, and ADP-ribosylation. Vaughan M. **Harvey Lect** 1981–82;77:43–62 (44 ref.)
Selective alteration of secretin-stimulated cardiac adenylate cyclase activity in streptozotocin-diabetic rats. Chatelain P, et al. **Horm Metab Res** 1983 Dec;15(12):620–2
Changes of beta-adrenergic receptor number and catecholamine-sensitive adenylate cyclase in guinea pig lung after inhalation of histamine aerosol. Mita H, et al. **Int Arch Allergy Appl Immunol** 1983;72(4):373–6
Histochemistry of adenylate cyclase. Poeggel G, et al. **Int Rev Cytol** 1984;89:35–64 (137 ref.)
Effect of prostaglandin F2 alpha on the adenylate cyclase and phosphodiesterase activity of ovine corpora lutea. Agudo LS, et al. **J Anim Sci** 1984 Apr;58(4):955–62
Effect of diesel particulate exposure on adenylate and guanylate cyclase of rat and guinea pig liver and lung. Schneider DR, et al. **J Appl Toxicol** 1981 Apr;1(2):135–9
Enzyme III stimulation of cyclic AMP synthesis in an Escherichia coli crp mutant. Daniel J. **J Bacteriol** 1984 Mar;157(3):940–1
Activation of the inhibitory GTP-binding protein of adenylate cyclase, Gi, by beta-adrenergic receptors in reconstituted phospholipid vesicles. Asano T, et al. **J Biol Chem** 1984 Aug 10;259(15):9351–4
Reconstitution of a membrane-sensitive adenylate cyclase system. The pure beta-adrenergic receptor and guanine nucleotide regulatory protein confer hormone responsiveness on the resolved catalytic unit. Cerione RA, et al. **J Biol Chem** 1984 Aug 25;259(16):9979–82
Inhibitory regulation of adenylyl cyclase in the absence of stimulatory regulation. Requirements and kinetics of guanine nucleotide-induced inhibition of the cyc- S49 adenylyl cyclase. Hildebrandt JD, et al. **J Biol Chem** 1983 Nov 10;258(21):13141–7
Evidence for a single forskolin-binding site in rat adipocyte membrane. Studies of [14,15-3H]dihydroforskolin binding and adenylate cyclase activation. Ho RJ, et al. **J Biol Chem** 1984 Jun 25;259(12):7630–6
ADP-ribosylation of adenylate cyclase by pertussis toxin. Effects on inhibitory agonist binding. Hsia JA, et al. **J Biol Chem** 1984 Jan 25;259(2):1086–90
Purification of a protein cofactor required for ADP-ribosylation of the stimulatory regulatory component of adenylate cyclase by cholera toxin. Kahn RA, et al. **J Biol Chem** 1984 May 25;259(10):6228–34
ADP-ribosylation of Gs promotes the dissociation of its alpha and beta subunits. Kahn RA, et al. **J Biol Chem** 1984 May 25;259(10):6235–40
Rhodopsin-enhanced GTPase activity of the inhibitory GTP-binding protein of adenylate cyclase. Kanaho Y, et al. **J Biol Chem** 1984 Jun 25;259(12):7378–81
The inhibitory guanine nucleotide-binding regulatory component of adenylate cyclase. Subunit dissociation and the inhibition of adenylate cyclase in S49 lymphoma cyc- and wild type membranes. Katada T, et al. **J Biol Chem** 1984 Mar 25;259(6):3586–95
Characterization of a calmodulin-stimulated adenylate cyclase from abalone spermatozoa. Kopf GS, et al. **J Biol Chem** 1984 Jun 25;259(12):7590–6
Fat cell beta-adrenergic receptor in the hypothyroid rat. Impaired interaction with the stimulatory regulatory component of adenylate cyclase. Malbon CC, et al. **J Biol Chem** 1984 Mar 10;259(5):3254–60
[3H]GDP release from rat and hamster adipocyte membranes independently linked to receptors involved in activation or inhibition of adenylate cyclase. Differential susceptibility to two bacterial toxins. Murayama T, et al. **J Biol Chem** 1984 Jan 25;259(2):761–9
Mechanism of heterologous desensitization of the adenylate cyclase system by glucagon in primary cultures of adult rat hepatocytes. Noda C, et al. **J Biol Chem** 1984 Jun 25; 259(12):7747–54
Activation of spermatozoan adenylate cyclase by a low molecular weight factor in porcine seminal plasma. Okamura N, et al. **J Biol Chem** 1983 Nov 10; 258(21):13056–62
Deglycosylated human chorionic gonadotropin. An antagonist to desensitization and down-regulation of the gonadotropin receptor-adenylate cyclase system. Rebois RV, et al. **J Biol Chem** 1983 Nov 10;258(21):12775–8
Glucagon-induced heterologous desensitization of the MDCK cell adenylyl cyclase. Increases in the apparent levels of the inhibitory regulator (Ni). Rich KA, et al. **J Biol Chem** 1984 Jun 25;259(12):7893–901
Isolation of forskolin-resistant adrenal cells defective in the adenylate cyclase system. Schimmer BP, et al. **J Biol Chem** 1984 May 10;259(9):5376–9
Stimulation of human fat cell adenylate cyclase by GDP and guanosine 5'-O-(2-thiodiphosphate). Schneyer CR, et al. **J Biol Chem** 1984 Jun 10;259(11):7038–44
Developmental alterations in guanine nucleotide regulation of the beta-adrenergic receptor-adenylate cyclase system of skeletal muscle. Smith PB. **J Biol Chem** 1984 Jun 10; 259(11):7294–9
An increase in adenylate cyclase activity precedes DNA synthesis in cultured vascular smooth muscle cells. Franks DJ, et al. **J Cell Physiol** 1984 Apr;119(1):41–5
Response of adenylate cyclase to parathyroid hormone and prostaglandins by human isolated glomeruli. Ardaillou N, et al. **J Clin Endocrinol Metab** 1983 Dec;57(6):1207–15
Properties of gonadotropin-stimulable adenylyl cyclase of the human corpus luteum: regulation of hormonal responsiveness by guanyl nucleotide and magnesium ion. Rojas FJ, et al. **J Clin Endocrinol Metab** 1984 Aug; 59(2):219–27
Glucagon-stimulable adenylyl cyclase in rat liver. Effects of chronic uremia and intermittent glucagon administration. Dighe RR, et al. **J Clin Invest** 1984 Apr;73(4):1004–12
Glucagon-stimulable adenylyl cyclase in rat liver. The

impact of streptozotocin-induced diabetes mellitus. Dighe RR, et al. **J Clin Invest** 1984 Apr;73(4):1013–23

Guanine nucleotide-binding regulatory proteins and dual control of adenylate cyclase. Gilman AG. **J Clin Invest** 1984 Jan;73(1):1–4 (22 ref.)

Impaired formation of beta-adrenergic receptor-nucleotide regulatory protein complexes in pseudohypoparathyroidism. Heinsimer JA, et al. **J Clin Invest** 1984 May;73(5):1335–43

Factors associated with humoral hypercalcemia of malignancy stimulate adenylate cyclase in osteoblastic cells. Rodan SB, et al. **J Clin Invest** 1983 Oct;72(4):1511–5

Functional uncoupling of muscarinic receptors from adenylate cyclase in rat cardiac membranes by the active component of islet-activating protein, pertussis toxin. Kurose H, et al. **J Cyclic Nucleotide Protein Phosphor Res** 1983; 9(4–5):305–18

Effects of 9-beta-D-arabinofuranosyl-guanine-5'-triphosphate on adenylate cyclase: comparison with GTP and GPP(NH)P. McMahon KK, et al. **J Cyclic Nucleotide Protein Phosphor Res** 1983; 9(4–5):319–29

Properties of cytosolic proteins that confer vasoactive intestinal polypeptide-sensitivity to rat brain adenylate cyclase. Nicosia S, et al. **J Cyclic Nucleotide Protein Phosphor Res** 1983;9(1):19–34

Evidence for multiple interconvertible forms of adenylate cyclase detected by forskolin activation. Zahler WL. **J Cyclic Nucleotide Protein Phosphor Res** 1983;9(3):221–30

Stimulatory and inhibitory effects of guanine nucleotides on arginine-vasotocin-sensitive adenylate cyclase in the epithelial cell membranes of the bullfrog bladder. Mishina T, et al. **J Endocrinol** 1983 Nov;99(2):269–79

Effect of prostaglandin E2 on adenylate cyclase system in human kidney cell cultures: interactions with parathormone and arginine-vasopressin. Rotella CM, et al. **J Endocrinol Invest** 1983 Oct;6(5):369–74

Cytochemical studies of myocardial adenylate cyclase after its activation and inhibition. Slezak J, et al. **J Histochem Cytochem** 1984 Jan;32(1):105–13

Cytochemical studies of adenylate cyclase in the choroid plexus and brain vessels of rat and mouse. Vorbrodt AW, et al. **J Histochem Cytochem** 1984 Mar;32(3):275–84

The beta-adrenergic receptor in the human neutrophil plasma membrane: receptor-cyclase uncoupling is associated with amplified GTP activation. Lad PM, et al. **J Immunol** 1984 Mar;132(3):1466–71

Regulation of beta-adrenergic adenylate cyclase responsiveness of pig skin epidermis by suboptimal concentrations of epinephrine. Iizuka H, et al. **J Invest Dermatol** 1983 Dec;81(6):549–52

Thermodependence of basal and stimulated cardiac adenylate cyclase activity in normotensive and spontaneously hypertensive rats. Chatelain P, et al. **J Mol Cell Cardiol** 1983 Dec;15(12):811–9

Regulation of calmodulin- and dopamine-stimulated adenylate cyclase activities by light in bovine retina. Gnegy ME, et al. **J Neurochem** 1984 Jun;42(6):1632–40

Forskolin stimulates adenylate cyclase activity, cyclic AMP accumulation, and adrenocorticotropin secretion from mouse anterior pituitary tumor cells. Heisler S, et al. **J Neurochem** 1984 Jun;42(6):1659–66

Cerebral vascular adenylate cyclase: evidence for coupling to receptors for vasoactive intestinal peptide and parathyroid hormone. Huang M, et al. **J Neurochem** 1984 Sep;43(3):849–56

The muscarinic receptor adenylate cyclase complex of rat striatum: desensitization following chronic inhibition of acetylcholinesterase activity. Olianas MC, et al. **J Neurochem** 1984 May;42(5):1439–43

Muscarinic receptors modulate dopamine-activated adenylate cyclase of rat striatum. Olianas MC, et al. **J Neurochem** 1983 Nov;41(5):1364–9

Secretin receptors on neuroblastoma cell membranes: characterization of 125I-labeled secretin binding and association with adenylate cyclase. Roth BL, et al. **J Neurochem** 1984 Apr;42(4):1145–52

Cell cycle-dependent expression of specific opiate binding with variable coupling to adenylate cyclase in a neurotumor hybrid cell line NG108-15. Scheideler MA, et al. **J Neurochem** 1983 Nov;41(5):1261–8

An improved, automated adenylate cyclase assay utilizing preparative HPLC: effects of phosphodiesterase inhibitors. Schulz DW, et al. **J Neurochem** 1984 Mar;42(3):764–74

Calmodulin-sensitive and calmodulin-insensitive components of adenylate cyclase activity in rat striatum have differential responsiveness to guanyl nucleotides. Treisman GJ, et al. **J Neurochem** 1983 Nov;41(5):1398–406

Activation of adenylyl cyclase by preincubation of rat cerebral-cortical membranes under phosphorylating conditions: role of ATP, GTP, and divalent cations. Whittemore SR, et al. **J Neurochem** 1984 Jun;42(6):1685–96

Cyclic nucleotides in experimental and human brain tumors. Racagni G, et al. **J Neurooncol** 1983;1(1):61–7

Somatostatin pretreatment desensitizes somatostatin receptors linked to adenylate cyclase and facilitates the stimulation of cyclic adenosine 3':5'-monophosphate accumulation in anterior pituitary tumor cells. Reisine TD, et al. **J Neurosci** 1984 Mar;4(3):812–9

DeoxyATP as a substrate for cardiac adenylate cyclase: a radioimmunoassay for cyclic deoxyAMP. Ridgeway AM, et al. **J Pharm Pharmacol** 1983 Oct;35(10):692

Activation of adenylate cyclase by alcohols requires the nucleotide-binding protein. Luthin GR, et al. **J Pharmacol Exp Ther** 1984 Mar;228(3):579–87

Demonstration of beta adrenoceptor blockade by propafenone hydrochloride: clinical pharmacologic, radioligand binding and adenylate cyclase activation studies. McLeod AA, et al. **J Pharmacol Exp Ther** 1984 Feb;228(2):461–6

Multiple sites of action of ethanol on adenylate cyclase. Rabin RA, et al. **J Pharmacol Exp Ther** 1983 Dec;227(3):551–6

Characteristics of an adenylate cyclase coupled beta 2-adrenergic receptor in a smooth muscle tumor cell line. Norris JS, et al. **J Recept Res** 1983;3(5):623–45

Changes in isoproterenol-stimulated adenylate cyclase activity in rat testicular tissue during cryptorchidism and after orchidopexy. Jahnsen T, et al. **J Reprod Fertil** 1984 Mar;70(2):443–8

Selective alterations in guanine nucleotide regulation of opiate receptor binding and coupling with adenylate cyclase. Childers SR, et al. **Life Sci** 1983;33 Suppl 1:215–8

Modulation of adenylate cyclase activity by a cytosolic factor following chronic opiate exposure in neuroblastoma x glioma NG108-15 hybrid cells. Griffin MT, et al. **Life Sci** 1983;33 Suppl 1:365–8

Growth hormone-releasing factor stimulates adenylate cyclase activity in the anterior pituitary gland. Labrie F, et al. **Life Sci** 1983 Nov 28;33(22):2229–33

Alterations in adenylate cyclase activity due to streptozotocin-induced diabetic cardiomyopathy. Smith CI, et al. **Life Sci** 1984 Mar 26;34(13):1223–30

Cerebrovascular smooth muscle culture. II. Characterization of adrenergic receptors linked to adenylate cyclase. Wroblewska B, et al. **Life Sci** 1984 Feb 20;34(8):783–91

Changes in renal phospholipid fatty acids in diabetes mellitus: correlation with changes in adenylate cyclase activity. Clark DL, et al. **Lipids** 1983 Oct;18(10):696–705

Heart microvessels: presence of adenylate cyclase stimulated by catecholamines, prostaglandins, and adenosine. Mistry G, et al. **Microvasc Res** 1983 Sep;26(2):157–69

Insulin alters cyclic nucleotide metabolism and glycogen synthase activity in microvessels from hamster adipose tissue. Nemecek GM, et al. **Microvasc Res** 1983 Nov; 26(3):339–43

Effect of divalent ions on basal and hormone-activated renal adenylate cyclase/cyclic AMP system. Wald H, et al. **Miner Electrolyte Metab** 1984;10(2):133–40

Regulation of hormone-responsive Sertoli cell adenylyl cyclase in a cell-free system. Attramadal H, et al. **Mol Cell Endocrinol** 1984 Mar;34(3):221–8

Beta-adrenergic regulation of Sertoli cell adenylyl cyclase: desensitization by homologous hormone. Attramadal H, et al. **Mol Cell Endocrinol** 1984 Jan;34(1):1–6

The hormonal control of adenylate cyclase in rabbit myometrium: in vitro inhibition by adenosine and lack of effect of progesterone. Thomas G, et al. **Mol Cell Endocrinol** 1984 May;35(2–3):177–82

Distinct mechanisms of forskolin-stimulated cyclic AMP accumulation and forskolin-potentiated hormone responses in C6-2B cells. Barovsky K, et al. **Mol Pharmacol** 1984 Mar;25(2):256–60

Involvement of a high-affinity GTPase in the inhibitory coupling of striatal muscarinic receptors to adenylate cyclase. Onali P, et al. **Mol Pharmacol** 1983 Nov; 24(3):380–6

gamma-aminobutyric acid B receptors are negatively coupled to adenylate cyclase in brain, and in the cerebellum these receptors may be associated with granule cells. Wojcik WJ, et al. **Mol Pharmacol** 1984 Jan;25(1):24–8

Pure beta-adrenergic receptor: the single polypeptide confers catecholamine responsiveness to adenylate cyclase. Cerione RA, et al. **Nature** 1983 Dec 8–14;306(5943):562–6

Forskolin activation of adenylate cyclase in vivo stimulates nerve regeneration. Kilmer SL, et al. **Nature** 1984 Feb 2–8; 307(5950):455–7

Effects of in vivo treatment with isoprenaline or prenalterol on beta-adrenoceptor mechanisms in the heart and soleus muscle of the cat. Hedberg A, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Mar; 325(3):251–8

Ra adenosine receptors in human platelets. Characterization by 5'-N-ethylcarboxamido[3H]adenosine binding in relation to adenylate cyclase activity. Hüttemann E, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Mar; 325(3):226–33

Activation of fluoride-stimulated adenylate cyclase by phospholipase A2 in the caudate nucleus of the rat brain. Reese JH, et al. **Neurochem Res** 1983 Aug;8(8):1059–69

Somatostatin inhibits the isoproterenol-stimulated adenylate cyclase in the intermediate lobe of the male rat pituitary gland. Correa FM, et al. **Neuroendocrinology** 1983 Oct; 37(4):284–7

Pituitary receptors for corticotropin-releasing factor: no effect of vasopressin on binding or activation of adenylate cyclase. Holmes MC, et al. **Neuroendocrinology** 1984 Aug; 39(2):162–9

Fluoride-stimulated adenylate cyclase activity in rat brain following chronic treatment with psychotropic drugs. Andersen PH, et al. **Neuropharmacology** 1984 Apr; 23(4):445–7

Monoamine activation and enkephalin inhibition of adenylate cyclase in dorsal and ventral striatum of the rabbit. Christie-Pope BC, et al. **Neuropharmacology** 1984 Jul; 23(7A):763–72

Daily bupropion injections for 3 weeks attenuate the NE stimulation of adenylate cyclase and the number of beta-adrenergic recognition sites in rat frontal cortex. Gandolfi O, et al. **Neuropharmacology** 1983 Jul;22(7):927–9

Phosphorylation of membrane proteins in response to persistent stimulation of adenylate cyclase-linked dopamine receptors in slices of striatum. Memo M, et al. **Neuropharmacology** 1984 Apr;23(4):449–55

Effects of chronic ingestion of alcohol in the pregnant rat on catecholamine-sensitive adenylate cyclase in the brain of mothers and their offspring. Salinas M, et al. **Neuropharmacology** 1983 Nov;22(11):1283–8

Dopamine-sensitive adenylate cyclase in rabbit renal artery. Collier WL, et al. **Neurosci Lett** 1983 Dec 30; 43(2–3):197–202

Abnormal activity of adenylate cyclase in the Drosophila memory mutant rutabaga. Dudai Y, et al. **Neurosci Lett** 1983 Dec 2;42(2):207–12

Effect of chronic ethanol treatment on adenylate cyclase activity in rat striatum. Lucchi L, et al. **Neurosci Lett** 1983 Sep 30;40(2):187–92

Vanadate and brain adenylate cyclase. Effect of spreading depression. Křivánek J. **Neuroscience** 1983 Oct; 10(2):545–52

Ontogeny of insulin and glucagon receptors and the adenylate cyclase system in guinea pig liver. Ganguli S, et al. **Pediatr Res** 1984 Jun;18(6):558–65

Ontogeny of adenylate cyclase activity in the rat lung: guanine nucleotides and cytosolic factors. Whitsett JA, et al. **Pediatr Res** 1983 Jul;17(7):553–61

Heart receptors for VIP, PHI and secretin are able to activate adenylate cyclase and to mediate inotropic and chronotropic effects. Species variations and physiopathology. Christophe J, et al. **Peptides (Fayetteville)** 1984 Mar–Apr;5(2):341–53

Specific decrease of secretin/VIP-stimulated adenylate cyclase in the heart from the Lyon strain of hypertensive rats. Robberecht P, et al. **Peptides (Fayetteville)** 1984 Mar–Apr;5(2):355–8

Secretin-induced changes in rate, contractility and adenylate cyclase activity in rat heart atria. Robberecht P, et al. **Pflugers Arch** 1984 May;401(1):1–5

Ethanol effects on striatal dopamine receptor-coupled adenylate cyclase and on striatal opiate receptors. Hoffman PL, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:355–9

Adenylate cyclase and the search for new compounds with the clinical profile of lithium. Belmaker RH. **Pharmacopsychiatry** 1984 Jan;17(1):9–15

The activity of adenylate cyclase and phosphodiesterase in the isoproterenol-damaged cardiac muscle of spontaneously hypertensive rats. Piekarska T. **Pol J Pharmacol Pharm** 1983;35(2):109–14

Properties of rat anterior pituitary vasopressin receptors: relation to adenylate cyclase and the effect of corticotropin-releasing factor. Gaillard RC, et al. **Proc Natl Acad Sci USA** 1984 May;81(9):2907–11

Influence of the beta-adrenergic receptor concentration on functional coupling to the adenylate cyclase system. Severne Y, et al. **Proc Natl Acad Sci USA** 1984 Aug; 81(15):4637–41

Role of cyclic nucleotides in the activation-secretion response. Winslow CM, et al. **Prog Allergy** 1984;34:236–70 (265 ref.)

The effects of antidepressant drugs on adenylyl cyclase linked beta adrenergic binding sites on mouse astrocytes in primary cultures. Richardson JS, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1983; 7(4–6):675–80

The use of stable prostaglandins to investigate prostacyclin (PGI2)-binding sites and PGI2-sensitive adenylate cyclase in human platelet membranes. Lombroso M, et al. **Prostaglandins** 1984 Feb;27(2):321–33

Competition for adenyl cyclase coupled (3H)-prostacyclin binding sites with prostaglandin E2 in rat peritoneal macrophages. Opmeer FA, et al. **Prostaglandins** 1983 Sep; 26(3):467–76

Differential effects of ethanol on striatal and cortical adenylate cyclase. Tabakoff B, et al. **Psychopharmacol Bull** 1984 Summer;20(3):481–4

Effect of selective monoamine oxidase inhibition by clorgyline and deprenyl on the norepinephrine receptor-coupled adenylate cyclase system in rat cortex. Mishra R, et al. **Psychopharmacology (Berlin)** 1983; 81(3):220–3

Control of cultured epithelial (MDCK) cell transport function: identification of a beta-adrenoceptor coupled to adenylate cyclase. Rugg EL, et al. **Q J Exp Physiol** 1984 Apr;69(2):339–53

Catecholamine responsive adenylate cyclase in human myocardial preparations. Properties and optimalization of assay conditions. Golf S, et al. **Scand J Clin Lab Invest** 1984 Jun;44(4):317–27

Receptor reconstituted [news] Marx JL. **Science** 1984 Jan 27;223(4634):385

Message transmission: receptor controlled adenylate cyclase system. Schramm M, et al. **Science** 1984 Sep 21; 225(4668):1350–6 (77 ref.)

Direct demonstration of impaired functionality of a purified desensitized beta-adrenergic receptor in a reconstituted

system. Strulovici B, et al. **Science** 1984 Aug 24; 225(4664):837–40

Protective action by methylprednisolone, allopurinol and indomethacin against stroke-induced damage to adenylate cyclase in gerbil cerebral cortex. Taylor MD, et al. **Stroke** 1984 Mar–Apr;15(2):329–35

[Pertussis toxin stimulates brain adenyl cyclase and induces ADP ribosylation of a 40,000 dalton membrane protein] Berthillier G, et al. **C R Seances Acad Sci [III]** 1983; 297(12):575–8 (Eng. Abstr.) **(Fre)**

[Behavior of adenylate cyclase in ischemic and necrotic myocardial tissue] Schulze W, et al. **Acta Histochem [Suppl] (Jena)** 1984;30:157–65 (Eng. Abstr.) **(Ger)**

[The cAMP system and bacterial toxins] Kather H, et al. **Klin Wochenschr** 1983 Nov 15;61(22):1109–14 (42 ref.) (Eng. Abstr.) **(Ger)**

[Effects of endogenous prostaglandins and vasopressin on osmotic water flow and activation of adenylate cyclase] Shimada H, et al. **Nippon Jinzo Gakkai Shi** 1983 Jul; 25(7):922–3 **(Jpn)**

[Hormone sensitive adenylate cyclases] Jahnsen T, et al. **Tidsskr Nor Laegeforen** 1984 Aug 30;104(24):1652–5 **(Nor)**

[Role of guanine nucleotide–binding protein in the hormonal regulation of adenyl cyclase] Adler G. **Postepy Biochem** 1982;28(4):413–32 (89 ref.) **(Pol)**

[Guanosine triphosphate complex in rod outer segments of the frog retina] Orlov NIa, et al. **Biofizika** 1983 Sep–Oct; 28(5):793–9 (Eng. Abstr.) **(Rus)**

[Participation of the cyclase system in the molecular mechanisms of differentiation control of immunocompetent cells] Kozhemiakin AL, et al. **Biokhimiia** 1984 Apr; 49(4):658–66 (Eng. Abstr.) **(Rus)**

[Effect of fatty acids on calmodulin regulation of adenylate cyclase from the brain striatal system] Severin SE, et al. **Biokhimiia** 1983 Nov;48(11):1906–13 (Eng. Abstr.) **(Rus)**

[Analysis of the cyclase enzyme activity of the cell membrane following lymphocyte stimulation with a mitogenic polyanion] Ataullakhanov RI. **Biull Eksp Biol Med** 1984 May;97(5):567–9 (Eng. Abstr.) **(Rus)**

[Calcium–dependent regulation of cardiac adenyl cyclase by calmodulin] Panchenko MP, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1984;7(1):31–40 (Eng. Abstr.) **(Rus)**

[Role of lipids in the functional development of the catecholamine—sensitive adenylate cyclase system of skeletal muscle plasma membranes] Kreps EM, et al. **Dokl Akad Nauk SSSR** 1983;273(4):1005–9 **(Rus)**

[Participation of calmodulin and the guanine nucleotide–binding regulator component in regulating cardiac adenylate cyclase] Panchenko MP, et al. **Dokl Akad Nauk SSSR** 1984;275(5):1219–23 **(Rus)**

[Adenylate and guanylate cylase system function in human hyperplastic adrenals in Itsenko–Cushing disease] Iudaev NA, et al. **Probl Endokrinol (Mosk)** 1984 Mar–Apr; 30(2):26–30 (Eng. Abstr.) **(Rus)**

[Effect of immobilized adrenaline on the state of the adenylate cyclase system in the cardiac and skeletal muscles of rats in the recuperative period after physical exertion] Kalinskiĭ MI, et al. **Ukr Biokhim Zh** 1984 Jan–Feb; 56(1):52–7 (Eng. Abstr.) **(Rus)**

[Effect of isobutylmethylxanthine on the adenylate cyclase system of the myocardium and skeletal muscles of the rat during the recovery period following physical loading] Kalinskiĭ MI, et al. **Ukr Biokhim Zh** 1984 Mar–Apr; 56(2):153–7 (Eng. Abstr.) **(Rus)**

[Alterations in the cyclase system of skeletal muscles and in the content of cyclic nucleotides in blood plasma of rats after the administration of caffeine] Gorbachevskaia LV. **Vopr Med Khim** 1983 Jul–Aug;29(4):47–51 (Eng. Abstr.) **(Rus)**

[Alteration in the activity of 5'–nucleotidase and adenylate cyclase of the rat liver in thermic burns] Zaets TL, et al. **Vopr Med Khim** 1983 Sep–Oct;29(5):73–5 (Eng. Abstr.) **(Rus)**

[Molecular basis of the development of hormone–resistance of target cells] Pertseva MN. **Zh Evol Biokhim Fiziol** 1983 Jul–Aug;19(4):400–6 (35 ref.) **(Rus)**

[The adenylcyclase system in asthmatic patients (I). Urinary excretion of cAMP after the administration of an adrenergic beta–2 agonist] Díez Jarilla JL, et al. **Med Clin (Barc)** 1983 Oct 15;81(11):468–71 (Eng. Abstr.) **(Spa)**

[The adenyl cyclase system in asthmatic patients (II). Urinary excretion of cyclic AMP following the simultaneous administration of a corticoid and a beta–2 adrenergic agonist] Díez Jarilla JL, et al. **Med Clin (Barc)** 1983 Oct 22;81(12):509–11 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Forskolin, adenylate cyclase, and cell physiology: an overview. Daly JW. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1984; 17:81–9 (98 ref.)

Desensitization by antidepressants of central norepinephrine receptor systems coupled to adenylate cyclase. Sulser F, et al. **Ann NY Acad Sci** 1984;430:91–101 (41 ref.)

Cytoplasmic Ca2+ in platelets is controlled by cyclic AMP: antagonism between stimulators and inhibitors of adenylate cyclase. Zavoico GB, et al. **Biochem Biophys Res Commun** 1984 Apr 30;120(2):579–85

Human skin epidermal adenylate cyclase systems: defective beta–adrenergic responsiveness in the involved epidermis of Darier's disease. Iizuka H, et al. **Curr Probl Dermatol** 1983;11:45–58

GTP–dependent stimulation and inhibition of adenylate cyclase. Cooper DM, et al. **Horiz Biochem Biophys** 1982; 6:309–33 (46 ref.)

Characterization of agonist–induced beta–adrenergic receptor–specific desensitization in C62B glioma cells. Frederich RC Jr, et al. **J Cyclic Nucleotide Protein Phosphor Res** 1983;9(2):103–18

Mechanisms of calcitonin induction of prolonged activation of adenylate cyclase in human cancer cells. Michelangeli VP, et al. **J Cyclic Nucleotide Protein Phosphor Res** 1983; 9(2):129–41

Pertussis toxin and extracytoplasmic adenylate cyclase as virulence factors of Bordetella pertussis. Weiss AA, et al. **J Infect Dis** 1984 Aug;150(2):219–22

Ligand selectivity of dog coronary adenosine receptor resembles that of adenylate cyclase stimulatory (Ra) receptors. Kusachi S, et al. **J Pharmacol Exp Ther** 1983 Nov;227(2):316–21

Adenylate cyclase and membrane fluidity. The repressor hypothesis. Salesse R, et al. **Mol Cell Biochem** 1984; 60(1):17–31 (147 ref.)

Adenylate cyclase in the Drosophila memory mutant rutabaga displays an altered Ca2+ sensitivity. Dudai Y, et al. **Neurosci Lett** 1984 Jun 15;47(2):119–24

ADENYLATE CYCLASE see **ADENYL CYCLASE**

ADENYLATE KINASE see under **PHOSPHOTRANSFERASES, ATP**

ADENYLIC ACID see **ADENOSINE MONOPHOSPHATE**

ADENYLOSUCCINATE LYASE see under **LYASES**

ADENYLOSUCCINATE SYNTHETASE see under **LIGASES**

ADENYLPYROPHOSPHATE see **ADENOSINE TRIPHOSPHATE**

ADENYLYL IMIDODIPHOSPHATE see under **ADENOSINE TRIPHOSPHATE**

ADHESIONS

COMPLICATIONS

Abdominal cocoon: an unusual intestinal obstruction (a case report). Ahmed MN, et al. **J Postgrad Med** 1984 Jan; 30(1):62–3

[Acute complications of adhesion syndromes] Ferraris R, et al. **Minerva Chir** 1984 Jan 15–31;39(1–2):47–58 (Eng. Abstr.) **(Ita)**

ETIOLOGY

The role of ischaemia in the formation of postoperative intra–abdominal adhesions. Fedor E, et al. **Acta Chir Hung** 1983;24(1):3–8

Adhesion–related variceal hemorrhage. Bunt TJ, et al. **South Med J** 1983 Nov;76(11):1449–51

PATHOLOGY

Cellular events in adhesion formation due to thermal trauma. Kaplun A, et al. **Eur Surg Res** 1984;16(2):136–40

PHYSIOPATHOLOGY

Pathogenesis of re–formation of intraperitoneal adhesions in albino rats. Kapur BM, et al. **Indian J Med Res** 1984 Feb; 79:244–9

PREVENTION & CONTROL

Ibuprofen in the prevention of experimentally induced postoperative adhesions. Nishimura K, et al. **Am J Med** 1984 Jul 13;77(1A):102–6

High–molecular weight dextran in human infertility surgery. Rosenberg SM, et al. **Am J Obstet Gynecol** 1984 Feb 15; 148(4):380–5

Prevention of pericardial adhesions with dextran 70. Robison RJ, et al. **Ann Thorac Surg** 1984 Jun;37(6):488–90

Adhesion prevention by solutions of sodium carboxymethylcellulose in the rat. I. Elkins TE, et al. **Fertil Steril** 1984 Jun;41(6):926–8

Adhesion prevention by solutions of sodium carboxymethylcellulose in the rat. II. Elkins TE, et al. **Fertil Steril** 1984 Jun;41(6):929–32

Adhesion prevention [letter] Utian WH. **Fertil Steril** 1984 May;41(5):785

Ibuprofen inhibition of postsurgical adhesion formation: a time and dose response biochemical evaluation in rabbits. Nishimura K, et al. **J Surg Res** 1984 Feb;36(2):115–24

Hypothalamic–pituitary–adrenocortical function after the dexamethasone–promethazine adhesion regimen. Magyar DM, et al. **Obstet Gynecol** 1984 Feb;63(2):182–5

[Depression of fibrinolytic activity in the abdomen following gynecologic surgery. Prevention of adhesions using a fibrinolytic agent] Wendt P, et al. **Med Welt** 1983 Oct 14; 34(41):1145–51 **(Ger)**

[Use of the Montgomery prosthesis in the treatment and prevention of anterior commissural synechiae secondary to bilateral cordectomy] Bottazzi D, et al. **Acta Biomed Ateneo Parmense** 1983;54(3):269–77 (Eng. Abstr.) **(Ita)**

[Usefulness of venous wall in prevention of adhesions after experimental tendon suture] Minta P. **Chir Narzadow Ruchu Ortop Pol** 1983;48(5–6):423–9 (Eng. Abstr.) **(Pol)**

RADIOGRAPHY

Small–bowel enema in the diagnosis of adhesive obstructions. Caroline DF, et al. **AJR** 1984 Jun;142(6):1133–9

VETERINARY

A model for adhesion formation by thermal injury in the abdominal cavity of the mouse. Kaplun A, et al. **Eur Surg Res** 1984;16(2):131–5

ADHESIVENESS

see related
PLATELET ADHESIVENESS

ADHESIVES

Clinical trials with crystal growth conditioning as an alternative to acid–etch enamel pretreatment. Artun J, et al. **Am J Orthod** 1984 Apr;85(4):333–40

Non–poisonous adhesives for capture of desert rodent reservoirs of leishmaniasis. Hafez SA, et al. **Ann Trop Med Parasitol** 1984 Feb;78(1):83–4

Mounting boards and adhesives for photographic prints and works of art on paper. Jirat–Wasiutynski T. **J Audiov Media Med** 1984 Apr;7(2):51–8

The best dressing for a nail bed is the nail itself. Henderson HP. **J Hand Surg [Br]** 1984 Jun;9(2):197–8

A method of studying the effect of adhesives on denture retention. Ow RK, et al. **J Prosthet Dent** 1983 Sep; 50(3):332–7

Repairing torn irreversible hydrocolloid impressions with cyanoacrylate adhesive. Phankosal P, et al. **J Prosthet Dent** 1984 May;51(5):722

Translucent cyanoacrylate glues allow very quick and permanent mounting of semithin sections. Geysen J, et al. **Mikroskopie** 1983 Jul;40(5–6):138–9

Tape lid retraction. Saragas S, et al. **Ophthalmic Surg** 1983 Nov;14(11):961–2

Effect of Scotchbond dependent on cavity cleaning, cavity diameter and cavosurface angle. Hansen EK. **Scand J Dent Res** 1984 Apr;92(2):141–7

Hot melt 'corner point method' for attaching large plastic sections to glass slides. Krämer KL, et al. **Stain Technol** 1983 Mar;58(2):65–8

[Use of a vinyl glue in urinary cytology] Bertrand G, et al. **Arch Anat Cytol Pathol** 1984;32(1):42–4 (Eng. Abstr.) **(Fre)**

ADMINISTRATION & DOSAGE

Inadvertent self administration of superglue: a consumer hazard. Morgan SJ, et al. **Br Med J [Clin Res]** 1984 Jul 28;289(6439):226–7

ADVERSE EFFECTS

Avoiding sticky situations [letter] Sternick CS, et al. **Anesthesiology** 1984 Jul;61(1):113

Contact allergy to paratertiary butylphenol formaldehyde resin in an adhesive label. Dahlquist I. **Contact Dermatitis** 1984 Jan;10(1):54

Contact dermatitis to a new biocide (Tektamer 38) used in a paste glue formulation. Mathias CG. **Contact Dermatitis** 1983 Sep;9(5):418

Dermatitis in paperhangers. Tanaka S, et al. **Contact Dermatitis** 1984 Jan;10(1):54–5

Dermatological problems with synthetic resins and plastics in glues. Part I. Malten KE. **Derm Beruf Umwelt** 1984; 32(3):81–6

ANALYSIS

A nationwide survey on organic solvent components in various solvent products: Part 2. Heterogeneous products such as paints, inks and adhesives. Kumai M, et al. **Ind Health** 1983;21(3):185–97

[A simple and rapid determination of organic solvent components in paint and adhesives] Sakai K, et al. **Sangyo Igaku** 1983 Nov;25(6):514–5 **(Jpn)**

DIAGNOSTIC USE

The follicular biopsy. Mills OH Jr, et al. **Dermatologica** 1983; 167(2):57–63

PHARMACODYNAMICS

[Use of a new adhesive laminate in the production of contact lenses] Gorshkova VN, et al. **Med Tekh** 1984 Mar–Apr; (2):56–8 (Eng. Abstr.) **(Rus)**

POISONING

[Follow–up of 6 cases of polyneuropathy induced by N–hexane] Fera L, et al. **Riv Neurobiol** 1982 Jul–Dec;

28(3–4):550–5 (Eng. Abstr.) **(Ita)**

STANDARDS

Optical characteristics of Transpaseal as a partial occluder. Charman WN. **Am J Optom Physiol Opt** 1983 Oct; 60(10):846–50

TOXICITY

Toxic polyneuropathy of shoe workers in Italy. A clinical, neurophysiological and follow-up study. Passero S, et al. **Ital J Neurol Sci** 1983 Dec;4(4):463–72

[Correlation of psychological and neurological changes with indicators of exposure of workers in a shoe factory to glue solvents] Langauer-Lewowicka H, et al. **Med Pr** 1983; 34(5–6):397–404 (Eng. Abstr.) **(Pol)**

[Value of basic hematological tests and indicators of liver and kidney functions for evaluation of the effects of exposure to glues used in the shoe industry] Wocka-Marek T, et al. **Pol Tyg Lek** 1984 Mar 19;39(12):395–8 **(Pol)**

[Evaluation of the potential use of a synthetic glue instead of starch in making transfer pictures for children] Brodskaia BIa, et al. **Gig Sanit** 1983 Aug;(8):60–2 (3 ref.) **(Rus)**

[Data for toxicological and hygienic evaluation of the new epoxy glue UP-5-207] Iavorovskiĭ AP, et al. **Gig Tr Prof Zabol** 1983 Jul;(7):54–5 **(Rus)**

ADIE'S SYNDROME

COMPLICATIONS

Bilateral Adie's tonic pupil with anhidrosis and hyperthermia. Spector RH, et al. **Arch Neurol** 1984 Mar;41(3):342–3

[A case of peripheral neuropathy with Adie's syndrome] Mizusawa H, et al. **Rinsho Shinkeigaku** 1984 Feb; 24(2):172–9 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

[Adie's syndrome and polyneuropathy: apropos of a new case and a case of pupillotonia, polyneuropathy and generalized amyloidosis sparing the nerve] Salama J, et al. **Ann Med Interne (Paris)** 1984;135(1):39–42 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Tonic pupil with giant cell arteritis. Currie J, et al. **Br J Ophthalmol** 1984 Feb;68(2):135–8

PHYSIOPATHOLOGY

Accommodative involvement with adie's pupil. Rouse MW, et al. **Am J Optom Physiol Opt** 1984 Jan;61(1):54–5

ADIPHENINE

ANALOGS & DERIVATIVES

Simultaneous determination of hydrochloride salts of adiphenine, diphenhydramine, ethyldiphenacetate, drofenine and promazine by ion-pair HPLC. Facchini G, et al. **Boll Chim Farm** 1983 Aug;122(8):405–11

ANALYSIS

Simultaneous determination of hydrochloride salts of adiphenine, diphenhydramine, ethyldiphenacetate, drofenine and promazine by ion-pair HPLC. Facchini G, et al. **Boll Chim Farm** 1983 Aug;122(8):405–11

PHARMACODYNAMICS

[Determination of retinol in human blood plasma using high pressure liquid chromatography] Sergeev AV, et al. **Vopr Med Khim** 1983 Sep-Oct;29(5):54–8 (Eng. Abstr.) **(Rus)**

ADIPIC ACIDS

ADVERSE EFFECTS

Bronchial asthma due to spiramycin and adipic acid. Moscato G, et al. **Clin Allergy** 1984 Jul;14(4):355–61

METABOLISM

Enzymes of the beta-ketoadipate pathway in Pseudomonas putida: kinetic and magnetic resonance studies of the cis,cis-muconate cycloisomerase catalyzed reaction. Ngai KL, et al. **Biochemistry** 1983 Oct 25;22(22):5223–30

Enzymes of the beta-ketoadipate pathway in Pseudomonas putida: primary and secondary kinetic and equilibrium deuterium isotope effects upon the interconversion of (+)-muconolactone to cis,cis-muconate catalyzed by cis,cis-muconate cycloisomerase. Ngai KL, et al. **Biochemistry** 1983 Oct 25;22(22):5231–6

Investigation of the potential for binding of Di(2-ethylhexyl) phthalate (DEHP) and Di(2-ethylhexyl) adipate (DEHA) to liver DNA in vivo. von Däniken A, et al. **Toxicol Appl Pharmacol** 1984 May;73(3):373–87

PHARMACODYNAMICS

Di(2-ethylhexyl)adipate (DEHA): effect on plasma lipids and hepatic cholesterolgenesis in the rat. Bell FP. **Bull Environ Contam Toxicol** 1984 Jan;32(1):20–6

TOXICITY

Genotoxicity studies on di-(2-ethylhexyl) phthalate and adipate and toxicity studies on di-(2-ethylhexyl) phthalate in the rat and marmoset. Jäckh R, et al. **Food Chem Toxicol** 1984 Feb;22(2):151–5

[Health standardization of sebacic and adipic acids in water reservoirs] Novikov IuV, et al. **Gig Sanit** 1983 Sep;(9):72–5 **(Rus)**

ADIPIODON see **IODIPAMIDE**

ADIPOCERE see **POSTMORTEM CHANGES**

ADIPOSE TISSUE

see related
BROWN FAT

Diagnosis of subepicardial adipose tissue by older and newer techniques [letter] Zoneraich S. **Am J Cardiol** 1983 Nov 1;52(8):1153

Ultrasound as an approach to assessing body composition. Fanelli MT, et al. **Am J Clin Nutr** 1984 May;39(5):703–9

The association of girth measurements with disease in 32,856 women. Hartz AJ, et al. **Am J Epidemiol** 1984 Jan; 119(1):71–80

Liposarcomas. A histogenetic approach to the classification of adipose tissue neoplasms. Bolen JW, et al. **Am J Surg Pathol** 1984 Jan;8(1):3–17

Acquired fat hernia of the eye and orbit. Galainena ML, et al. **Ann Ophthalmol** 1984 Jul;16(7):675–6

Effect of insulin-treatment on age-dependent decrease of lipogenic enzyme induction. Fukuda H, et al. **Biochim Biophys Acta** 1983 Oct 4;760(1):149–53

Effects of different running programs on VO2 max, percent fat, and plasma lipids. Thomas TR, et al. **Can J Appl Sport Sci** 1984 Jun;9(2):55–62

Relationship between condition score, physical measurements and body fat percentage in mares. Henneke DR, et al. **Equine Vet J** 1983 Oct;15(4):371–2

Comparison of metastasis of mammary tumors growing in the mammary fatpad versus the subcutis. Miller FR. **Invasion Metastasis** 1981;1(4):220–6

Age changes in body composition revealed by computed tomography. Borkan GA, et al. **J Gerontol** 1983 Nov; 38(6):673–7

The shape of fatness [editorial] **Lancet** 1984 Apr 21; 1(8382):889

Arm x-ray assessment of percent body fat in men and women. Katch FI, et al. **Med Sci Sports Exerc** 1984 Jun; 16(3):316–21

Differences in body fat of six inbred lines of white leghorns derived from a common base population. Abplanalp H, et al. **Poult Sci** 1984 Mar;63(3):418–24

Genetic variation of abdominal fat, body weight, and carcass weight in a female broiler line. Becker WA, et al. **Poult Sci** 1984 Apr;63(4):607–11

Reference values for body fat content as a measure for desirable body fat content. Krämer HJ, et al. **Z Ernahrungswiss** 1984 Mar;23(1):1–11

The distribution pattern of subcutaneous fat with reference to level of physical activity in adult females. Bhalla R, et al. **Z Morphol Anthropol** 1983;74(2):191–7

[So-called cellulitic heavy legs] Battino A, et al. **J Mal Vasc** 1984;9 Suppl A:55–60 **(Fre)**

ANALYSIS

Improved models for determination of body fat by in vivo neutron activation. Cohn SH, et al. **Am J Clin Nutr** 1984 Aug;40(2):255–9

Acyl pattern of adipose tissue triglycerides, plasma free fatty acids, and diet of a group of men participating in a primary coronary prevention program (the Oslo Study). Jacobsen BK, et al. **Am J Clin Nutr** 1983 Dec;38(6):906–13

A quantitative assessment of protein depletion and increased hydration in severely ill surgical patients using prompt gamma in vivo neutron activation analysis. Beddoe AH, et al. **Australas Phys Eng Sci Med** 1984 Jan-Mar;7(1):13–8

Altered lipid composition of adipose tissue in human muscular dystrophy. Banerjee AK, et al. **Biochem Med** 1983 Oct;30(2):246–52

Natural abundance Carbon-13 nuclear magnetic resonance spectroscopy of liver and adipose tissue of the living rat. Canioni P, et al. **Biochemistry** 1983 Oct 11;22(21):4974–80

2,3,7,8-Tetrachlorodibenzo-p-dioxin levels in adipose tissue of Vietnam veterans. Gross ML, et al. **Environ Res** 1984 Feb;33(1):261–8

Organochlorine compounds in human breast fat from deceased with and without breast cancer and in a biopsy material from newly diagnosed patients undergoing breast surgery. Unger M, et al. **Environ Res** 1984 Jun;34(1):24–8

A structural comparison of guinea pig thyroid and fat TSH receptors by photoaffinity labelling. Buckland PR, et al. **FEBS Lett** 1984 Jan 23;166(1):109–14

Identification and characterization of the rat adipocyte glucose transporter by photoaffinity crosslinking. Horuk R, et al. **FEBS Lett** 1983 Dec 12;164(2):261–6

Trans-unsaturated fatty acids in margarines and human subcutaneous fat in Israel. Enig MG, et al. **Hum Nutr Clin Nutr** 1984 May;38(3):223–30

Analytical method for minute amounts of polychlorinated biphenyl methylsulfones from fatty tissue. Haraguchi K, et al. **J Anal Toxicol** 1984 Jul-Aug;8(4):177–81

Multiresidue gas chromatographic method for determining organochlorine pesticides in poultry fat: collaborative study. Ault JA, et al. **J Assoc Off Anal Chem** 1984 Mar-Apr;67(2):284–9

Improved Storherr tube for assisted and sweep co-distillation cleanup of pesticides, polychlorinated biphenyls, and pentachlorophenol from animal fats. Neidert E, et al. **J Assoc Off Anal Chem** 1984 Jul-Aug;67(4):773–5

The fat cell beta-adrenergic receptor. Purification and characterization of a mammalian beta 1-adrenergic receptor. Cubero A, et al. **J Biol Chem** 1984 Jan 25; 259(2):1344–50

Insulin receptors in isolated human adipocytes. Characterization by photoaffinity labeling and evidence for internalization and cellular processing. Berhanu P, et al. **J Clin Invest** 1983 Dec;72(6):1958–70

A comparison of organochlorine residues in human adipose tissue autopsy samples from two Ontario municipalities. Williams DT, et al. **J Toxicol Environ Health** 1984; 13(1):19–29

Fatty acid composition of triglycerides from adipose tissue transplanted between obese and lean mice. Enser M, et al. **Lipids** 1983 Nov;18(11):776–80

Systematic protocol for the accumulation of fatty acid data from multiple tissue samples: tissue handling, lipid extraction and class separation, and capillary gas chromatographic analysis. Maxwell RJ, et al. **Lipids** 1983 Jul;18(7):453–9

An improved calibration for the in vivo determination of body nitrogen, hydrogen, and fat. Vartsky D, et al. **Phys Med Biol** 1984 Mar;29(3):209–18

Adipose fatty acid composition in a case of generalized deficiency of cytochrome b5 reductase in congenital methemoglobinemia with mental retardation. Hirono H. **Tohoku J Exp Med** 1983 Aug;140(4):391–4

[Fine-needle biopsy in the diagnosis of amyloidosis] Klemi PJ, et al. **Duodecim** 1983;99(16):1059–62 (Eng. Abstr.) **(Fin)**

[Effects of diets containing medium-chain and long-chain triacylglycerols in the genetically obese Zucker fa/fa rat. Composition of fatty acids and triacylglycerols of the liver and adipose tissues] Kinkela T, et al. **Ann Nutr Metab** 1983; 27(5):404–14 (Eng. Abstr.) **(Fre)**

[Gas chromatographic determination of 1,2,4-trichlorobenzene in biological substrates of experimental animals during different exposure conditions] Burina AI, et al. **Gig Tr Prof Zabol** 1984 Feb;(2):57–9 **(Rus)**

ANATOMY & HISTOLOGY

Ultrasonic measurement of subcutaneous fat on the upper leg. Weiss LW. **Am Correct Ther J** 1984 Mar-Apr; 38(2):40–3

Estimation of total water and fatness from weight and height: inaccurate for lean women. Scott EC. **Am J Phys Anthropol** 1984 May;64(1):83–7

Estimation of body fat in female rhesus monkeys. Walker ML, et al. **Am J Phys Anthropol** 1984 Mar;63(3):323–9

Body composition of elite American athletes. Fleck SJ. **Am J Sports Med** 1983 Nov-Dec;11(6):398–403

Performance measurement and percent body fat in the high school athlete. McLeod WD, et al. **Am J Sports Med** 1983 Nov-Dec;11(6):390–7

A study of the distribution pattern of fat in male gymnasts. Satwanti, et al. **Anthropol Anz** 1984 Jun;42(2):131–6

Weight-height indices and percent body fat among U.S. Navy divers. Dembert ML, et al. **Aviat Space Environ Med** 1984 May;55(5):391–5

Influence of 12-week jogging on body fat and serum lipids. Toriola AL. **Br J Sports Med** 1984 Mar;18(1):13–7

Relationship between pubertal timing and body size in underfed male rats. Glass AR, et al. **Endocrinology** 1984 Jul;115(1):19–24

Lack of consistency in the indirect methods of estimating percent body fat. Cumming DC, et al. **Fertil Steril** 1984 May;41(5):739–42

Individual differences of ultrasound assessment of subcutaneous fat: effects of body position. Katch FI. **Hum Biol** 1983 Dec;55(4):789–95

The estimation of percent body fat, body density and total body fat by maximum R2 regression equations. Mukherjee D, et al. **Hum Biol** 1984 Feb;56(1):79–109

The relationship between human body weight, subcutaneous fat, heart weight, and epicardial fat. Womack HC. **Hum Biol** 1983 Sep;55(3):667–76

Infant adiposity and maternal energy consumption in well-controlled diabetics. Wurster PA, et al. **J Am Coll Nutr** 1984;3(1):75–83

Performance of selected and control lines of Duroc and Yorkshire pigs and their reciprocal crossbred progeny. Bereskin B. **J Anim Sci** 1983 Oct;57(4):867–78

The clinical evaluation of body fat. McNair JR, et al. **J Arkansas Med Soc** 1984 Mar;80(10):425–30

Weight-for-height indices as measures of adiposity in children. Schey HM, et al. **J Chronic Dis** 1984; 37(5):397–400

Preweaning nutrition and fat development in baboons. Lewis DS, et al. **J Nutr** 1983 Nov;113(11):2253–9

One cycle of reproduction consisting of pregnancy, lactation or no lactation, and recovery: effects on fat pad cellularity in ad libitum-fed and food-restricted rats. Moore BJ, et

al. J Nutr 1984 Sep;114(9):1560–5
The effects of high fat feeding during one cycle of reproduction consisting of pregnancy, lactation and recovery on body composition and fat pad cellularity in the rat. Moore BJ, et al. J Nutr 1984 Sep;114(9):1566–73
Skull shape in relation to carcass fatness in pigs. Gregory NG, et al. J Sci Food Agric 1983 Dec;34(12):1397–403
Relationship between cardiac parameters and cube root of BSA corrected by subcutaneous fat weight. Nishio T, et al. Jpn Circ J 1983 Nov;47(11):1336–9
The shape of fatness [editorial] Lancet 1984 Apr 21; 1(8382):889
Use of tannic acid to study cytoplasmic vesicles and membrane invaginations in epididymal fat pads of ageing mice. Montisano DF, et al. Mech Ageing Dev 1984 Apr–May;25(1–2):177–88
Methodological factors and the prediction of body fat in female athletes. Lohman TG, et al.
Med Sci Sports Exerc 1984;16(1):92–6
The effect of a 20-week endurance training program on adipose-tissue morphology and lipolysis in men and women. Després JP, et al. Metabolism 1984 Mar; 33(3):235–9
Effects of fasting on beta-cell function, body fat, islet volume, and total pancreatic insulin content. Svenningsen A, et al. Metabolism 1984 Jul;33(7):612–6
[Anthropometric estimation of body fat in a marginal child population] Goñi I, et al. Rev Clin Esp 1984 Apr 30; 173(2):99–101 (Eng. Abstr.) (Spa)

BLOOD SUPPLY

Effects of glucose, insulin and nicotinic acid on adipose tissue blood flow in rats. Madsen J, et al. Acta Physiol Scand 1983 Jun;118(2):175–80
Influence of adenosine on the vascular responses to sympathetic nerve stimulation in the canine subcutaneous adipose tissue. Sollevi A, et al. Acta Physiol Scand 1983 Sep;119(1):15–24
Adipocyte blood flow: influence of age, anatomic location, and dietary manipulation. Crandall DL, et al.
Am J Physiol 1984 Jul;247(1 Pt 2):R46–51
Influence of hyper- and hypothyroidism on subcutaneous adipose tissue blood flow in man. Wennlund A, et al.
J Clin Endocrinol Metab 1984 Aug;59(2):258–62
Regional blood flow during acute heart failure in dogs. Role of adipose tissue perfusion in regulating plasma-free fatty acids. Smiseth OA, et al. Scand J Clin Lab Invest 1983 Jun;43(4):285–92

CYTOLOGY

Cells in human adipose tissue developing into adipocytes. Pettersson P, et al. Acta Med Scand 1984;215(5):447–51
Role of polyamines in differentiation of 3T3-L1 fibroblasts into adipocytes. Erwin BG, et al. Am J Physiol 1984 Mar; 246(3 Pt 1):C293–300
Preparation of hormone-sensitive adipocytes from foetal rat brown adipose tissue. Elliott KR, et al. Biosci Rep 1984 May;4(5):397–401
The influence of protein nutrition in early life on growth and development of the pig. 2. Effects on the cellularity of muscle and subcutaneous adipose tissue. Campbell RG, et al. Br J Nutr 1983 Nov;50(3):619–26
The effects of food restriction and exercise on site-specific differences in adipocyte volume and adipose tissue cellularity in the guinea-pig. 2. Intermuscular sites. Pond CM, et al. Br J Nutr 1984 May;51(3):425–33
The effects of food restriction and exercise on site-specific differences in adipocyte volume and adipose tissue cellularity in the guinea-pig. 1. Superficial and intra-abdominal sites. Pond CM, et al. Br J Nutr 1984 May; 51(3):415–24
Some things that happened on Lew Thomas' floor. Green H. Cell Immunol 1983 Nov;82(1):98–101
Adipose conversion of mouse bone marrow fibroblasts in vitro: their alkaline phosphatase activity. Kodama H, et al. Cell Struct Funct 1983 Mar;8(1):19–27
The development of adipocytes in primary stromal-vascular culture of fetal pig adipose tissue. Hausman GJ, et al.
Cell Tissue Res 1984;236(2):459–64
Hormonal requirements for growth and differentiation of ob17 preadipocyte cells in vitro. Ailhaud G, et al.
Diabete Metab 1983 May–Jun;9(2):125–33
Membrane structural/functional properties of adipocytes from normal and streptozotocin-diabetic rats. Sauerheber RD, et al. Diabetes 1984 Mar;33(3):258–65
Abnormal islet and adipocyte function in young B-cell-deficient rats with near-normoglycemia. Trent DF, et al. Diabetes 1984 Feb;33(2):170–5
Human immunoglobulin G stimulates human adipocyte lipogenesis. Khokher MA, et al. Diabetologia 1983 Sep; 25(3):264–8
Binding and degradation of [125I]human growth hormone in rat adipocytes. Gorin E, et al. Endocrinology 1984 Aug; 115(2):467–75
The relationship of microvesicles to the plasmalemma of rat adipocytes. Chlapowski FJ, et al. Eur J Cell Biol 1983 Nov; 32(1):24–30
Adipose conversion of ob17 cells. Insulin acts solely as a modulator in the expression of the differentiation program. Amri EZ, et al. Exp Cell Res 1984 Jun;152(2):368–77
Interactions of adipocytes and their precursor cells with endothelial cells in culture. Björntorp P. Exp Cell Res 1983 Nov;149(1):277–87
Development of brown fat cells in monolayer culture. I. Morphological and biochemical distinction from white fat cells in culture. Néchad M, et al. Exp Cell Res 1983 Nov; 149(1):105–18
Comparisons of the composition of fat cells obtained from the marrow of normal individuals or of subjects with aplastic anemia and from bone marrow cultures. Malik F, et al. Exp Hematol 1984 Mar;12(3):191–7
Marrow adipose cells and hemopoiesis: an interpretative review. Tavassoli M. Exp Hematol 1984 Feb;12(2):139–46 (61 ref.)
Alcoholic liver injury in baboons: transformation of lipocytes to transitional cells. Mak KM, et al. Gastroenterology 1984 Jul;87(1):188–200
The histochemistry of developing adipocytes in primary stromal-vascular cultures of rat adipose tissue. Hausman GJ, et al. Histochemistry 1984;80(4):353–8
Adipocyte stem cell: a brief review. Soda R, et al.
Int J Cell Cloning 1983 Jun;1(2):79–84 (26 ref.)
The adipocyte and obesity: cellular and molecular mechanisms. Abstracts from an international conference, University of Toronto, 28 and 29 June, 1982.
Int J Obes 1983;7(4):373
In vitro hemopoiesis within a microenvironment created by MC3T3-G2/PA6 preadipocytes. Kodama H, et al.
J Cell Physiol 1984 Mar;118(3):233–40
Rat mammary preadipocytes in culture produce a trophic agent for mammary epithelia-prostaglandin E2. Rudland PS, et al. J Cell Physiol 1984 Sep;120(3):364–76
Studies on the characterization of bovine adipocyte precursor cells and their differentiation in vitro, using an indirect-labelled-second-antibody cellular immunoassay. Cryer A, et al. J Dev Physiol 1984 Apr;6(2):159–76
Demonstration of de novo production of adipocytes in adult rats by biochemical and radioautographic techniques. Miller WH Jr, et al. J Lipid Res 1984 Apr;25(4):336–47
Plasticity of fat cell number. Bertrand HA, et al. J Nutr 1984 Jan;114(1):127–31
Light and electron microscopical studies on the differentiation of white adipocytes: observation of the differentiating preadipose tissue in situ, in the diffusion chamber, and in culture. Araki C, et al.
Kumamoto Med J 1983 Mar;36(1):39–53
beta-Adrenergic desensitization by chronic insulin exposure in 3T3-L1 cultured adipocytes. Olansky L, et al.
Metabolism 1984 Jan;33(1):76–81
Activity of human growth hormone and related polypeptides on the adipose conversion of 3T3 cells. Morikawa M, et al. Mol Cell Biol 1984 Feb;4(2):228–31
Effects of cell volume on insulin binding, internalization and degradation in rat adipocytes. Flint DJ, et al.
Mol Cell Endocrinol 1984 Jul;36(3):229–36
Adipocyte development. Martin RJ, et al. Pediatr Ann 1984 Jun;13(6):448–53
Expression of specific mRNAs during adipose differentiation: identification of an mRNA encoding a homologue of myelin P2 protein. Bernlohr DA, et al.
Proc Natl Acad Sci USA 1984 Sep;81(17):5468–72
ob17 cells transformed by the middle-T-only gene of polyoma virus differentiate in vitro and in vivo into adipose cells. Grimaldi P, et al. Proc Natl Acad Sci USA 1984 Sep; 81(17):5440–4
Role of the fat cell in energy balance physiology. Faust IM.
Res Publ Assoc Res Nerv Ment Dis 1984;62:97–107
The enduring storage capacity for fat: implications for treatment of obesity. Van Itallie TB.
Res Publ Assoc Res Nerv Ment Dis 1984;62:109–19

DRUG EFFECTS

Biochemical characterization of ketosis-resistant young diabetics of northern India. In vivo effects of i.v. glucose, s.c. epinephrine and i.v. glucagon and in vitro effects of anti-insulin serum on adipose tissue lipolysis. Krishna Ram B, et al. Acta Diabetol Lat 1984 Apr–Jun;21(2):141–51
The effect of alkylxanthines and other phosphodiesterase inhibitors on adenosine-receptor mediated decrease in lipolysis and cyclic AMP accumulation in rat fat cells. Fredholm BB, et al. Acta Pharmacol Toxicol (Copenh) 1984 Jan;54(1):64–71
Comparison of in vitro and in vivo effects of prazosin on lipid metabolism. Kather H, et al. Am J Med 1984 Feb 27;76(2A):89–93
Reevaluation of lipolytic activity of growth hormone in rabbit adipocytes. Barenton B, et al.
Biochem Biophys Res Commun 1984 Jul 18;122(1):197–203
Ethanolamine mimics insulin effects in vitro. Barseghian G, et al. Biochem Biophys Res Commun 1984 May 31; 121(1):413–9
Effects of guanine nucleotides on cholera toxin catalyzed ADP-ribosylation in rat adipocyte plasma membranes. Graves CB, et al. Biochemistry 1983 Dec 20;22(26):6291–6
Activation of lipolysis and cyclic AMP accumulation in rabbit adipocytes by isoproterenol in the presence of forskolin or pertussis toxin. Fain JN, et al.
Biochim Biophys Acta 1984 Apr 24;798(3):382–9
Inhibitory effect and mode of action of somatostatin on lipolysis in chicken adipocytes. Strosser MT, et al.
Biochim Biophys Acta 1983 Sep 22;763(2):191–6
Maternal adipose tissue response to nicotine administration in the pregnant rat: effects on fetal body fat and cellularity. Williams CM, et al. Br J Nutr 1984 Jan;51(1):7–13
Oxytocin resistance in Brattleboro rat adipocytes and comparative studies on insulin or oxytocin responsiveness in normal rat adipocytes. Hanif K, et al.
Can J Physiol Pharmacol 1983 Nov;61(11):1418–25
The mechanism of action of insulin on phospholipid metabolism in rat adipose tissue. Requirement for protein synthesis and a carbohydrate source, and relationship to activation of pyruvate dehydrogenase. Farese RV, et al. Diabetes 1984 Jul;33(7):648–55
Insulin dose-response characteristics among individual muscle and adipose tissues measured in the rat in vivo with 3[H]2-deoxyglucose. Hom FG, et al. Diabetes 1984 Feb; 33(2):153–9
Influence of polyethylene glycol insulin on lipid tissues of experimental animals. Neubauer HP, et al. Diabetes 1983 Oct;32(10):953–8
Sulfonylurea effects on target tissues for insulin. McCaleb ML, et al. Diabetes Care 1984 May–Jun;7 Suppl 1:42–6
Rapid increase in the insulin sensitivity of rat adipocytes after intravenous glucose administration. Livingston JN, et al. Endocrinology 1984 Jul;115(1):55–9
RX781094 a potent and selective alpha 2-adrenergic antagonist. Effects in adipocytes and hepatocytes. Pushpendran CK, et al. Eur J Pharmacol 1984 Apr 6; 99(4):337–9
Effect of phenylephrine on lipolysis in rat adipocytes: no evidence for an alpha-adrenergic mechanism. Mooney RA, et al. Int J Biochem 1984;16(1):55–9
Effects of mazindol on lipid metabolism of human adipose tissue in vitro. Taniguchi A, et al. Int J Obes 1984; 8(3):279–83
Effects of ovine growth hormone and other anterior pituitary hormones on lipolysis of rat and ovine adipose tissue in vitro. Duquette PF, et al. J Anim Sci 1984 May; 58(5):1191–7
Inhibition of adenosine 3',5'-monophosphate accumulation and lipolysis by adenosine analogs in human subcutaneous adipocytes. Ohisalo JJ, et al. J Clin Endocrinol Metab 1984 Jan;58(1):32–5
Insulin activates phospholipase C in fat cells: similarity with the activation of pyruvate dehydrogenase.
Koepfer-Hobelsberger B, et al. Mol Cell Endocrinol 1984 Jun;36(1–2):123–9
Influences of growth hormone on glucose uptake by avian adipose tissue. Rudas P, et al. Poult Sci 1983 Sep; 62(9):1838–45
Promotion of lipolysis in rat adipocytes by pertussis toxin: reversal of endogenous inhibition. Olansky L, et al.
Proc Natl Acad Sci USA 1983 Nov;80(21):6547–51
Trifluoperazine inhibits insulin action on glucose metabolism in fat cells without affecting inhibition of lipolysis. Shechter Y. Proc Natl Acad Sci USA 1984 Jan;81(2):327–31
[Insulin and adipocyte differentiation] Ailhaud G, et al.
Ann Endocrinol (Paris) 1983;44(5):295–7 (Fre)
[Demonstration of the triiodothyronine receptivity of preadipocyte clones of the mouse] Torresani J, et al.
Ann Endocrinol (Paris) 1983;44(5):299–301 (Fre)
[Effects of estrogen hormones on the lipid metabolism of rat adipose tissue] Valette A, et al.
Ann Endocrinol (Paris) 1983;44(5):287–90 (Fre)
[Effect of injection of a human gonadotropin on the synthesis and liberation of vitellogenin by adipose tissue of the marine crustacean isopod Idotea balthica basteri Audouin] Souty C, et al. Gen Comp Endocrinol 1984 Jun;54(3):418–21 (Eng. Abstr.) (Fre)
[Measurement of the reactivity of various types of white adipose tissue of rabbits to synacthene and isoproterenol] Elchinger B, et al. J Physiol (Paris) 1982;78(6):495–8 (Eng. Abstr.) (Fre)
[Inhibition of the insulin receptor activity of fat cell plasma membranes in rats with hyperadrenalinemia] Bezdrobnyĭ IuV, et al. Farmakol Toksikol 1984 Jan–Feb;47(1):30–4 (Eng. Abstr.) (Rus)
[Ornid but not atropine abolishes the insulin receptor reaction of fat and liver plasma membranes to fasting and hyperinsulinemia] Bezdrobnyĭ IuV, et al.
Fiziol Zh SSSR 1984 Feb;70(2):200–5 (Eng. Abstr.) (Rus)
[Effects of triiodothyronine on the oxygen uptake and release of fatty acids in the epididymal adipose tissue of the rat] Llamas R. Gac Med Mex 1983 Sep;119(9):352–5 (Spa)

EMBRYOLOGY

Histochemistry of connective tissue cells in subcutaneous adipose tissue of normal and decapitated pig fetuses. Hausman GJ. Acta Anat (Basel) 1984;118(3):147–52
Histochemical and cellular aspects of adipose tissue development in decapitated pig fetuses: an ontogeny study. Hausman GJ, et al. J Anim Sci 1984 Jun;58(6):1540–9

ENZYMOLOGY

Insulin control of cyclic AMP phosphodiesterase. Appleman MM, et al.
Adv Cyclic Nucleotide Protein Phosphorylation Res 1984; 16:149–58
Is phosphorylation involved in the action of insulin on cyclic AMP phosphodiesterase in fat cells? Tokumitsu Y, et al.
Adv Cyclic Nucleotide Protein Phosphorylation Res 1984; 16:177–84
Enzyme histochemical differentiation of white adipose tissue

in the rat. Hausman GJ, et al. **Am J Anat** 1984 Mar; 169(3):315–26

Adipose tissue lipoprotein lipase and weight loss [letter] Schwartz RS, et al. **Am J Clin Nutr** 1984 Apr;39(4):641–3

Detergent-induced distinctions between fluoride- and vanadate-stimulated adenylate cyclases and their responses to guanine nucleotides. Combest WL, et al. **Arch Biochem Biophys** 1983 Sep;225(2):916–27

Regulation of the activity and synthesis of malic enzyme in 3T3-L1 cells. Goodridge AG, et al. **Arch Biochem Biophys** 1984 Jan;228(1):54–63

Absence of lipoprotein lipase in cultured human adipose stromal cells. Kern PA, et al. **Arteriosclerosis** 1984 May-Jun;4(3):232–7

Immunohistochemical localization of lipoprotein lipase in human adipose tissue. Jonasson L, et al. **Atherosclerosis** 1984 May-Jun;51(2–3):313–26

TCDD (2,3,7,8-tetrachlorodibenzo-p-dioxin) reduces lipoprotein lipase activity in the adipose tissue of the guinea pig. Brewster DW, et al. **Biochem Biophys Res Commun** 1984 Jul 31;122(2):810–7

Selective regulation by pertussis toxin of insulin-induced activation of particulate cAMP phosphodiesterase activity in 3T3-L1 adipocytes. Elks ML, et al. **Biochem Biophys Res Commun** 1983 Oct 31;116(2):593–8

Pertussis toxin reverses Gpp(NH)p inhibition of basal and forskolin activated adipocyte adenylate cyclase. Fain JN, et al. **Biochem Biophys Res Commun** 1983 Oct 31; 116(2):651–6

Insulin stimulates the dephosphorylation of phosphothreonine from fat-pad ATP-citrate lyase. Ramakrishna S, et al. **Biochem Biophys Res Commun** 1984 Aug 16;122(3):1047–56

Studies on insulin-stimulated phosphorylation of acetyl-CoA carboxylase, ATP citrate lyase and other proteins in rat epididymal adipose tissue. Evidence for activation of a cyclic AMP-independent protein kinase. Brownsey RW, et al. **Biochem J** 1984 Mar 15;218(3):733–43

Persistence of the effect of insulin on pyruvate dehydrogenase activity in rat white and brown adipose tissue during the preparation and subsequent incubation of mitochondria. Denton RM, et al. **Biochem J** 1984 Jan 15;217(2):441–52

On the mechanism by which noradrenaline increases the activity of phosphofructokinase in isolated rat adipocytes. Lederer B, et al. **Biochem J** 1984 Feb 1;217(3):709–14

Comparison of phospholipid effects on insulin-sensitive low Km cyclic AMP phosphodiesterase in adipocyte plasma membranes and microsomes. Macaulay SL, et al. **Biochim Biophys Acta** 1983 Oct 18;760(2):293–9

Direct evidence for protein phosphatase-catalyzed dephosphorylation/deactivation of hormone-sensitive lipase from adipose tissue. Olsson H, et al. **Biochim Biophys Acta** 1984 Jul 26;794(3):488–91

Effects of glucocorticoid hormones on lipid-synthetic enzymes from different adipose tissue regions and from liver. Lau DC, et al. **Can J Biochem Cell Biol** 1983 Dec; 61(12):1245–50

Calcium control of glycogen synthase activities in mouse diaphragms, rat adipocytes and rat hepatocytes. Oron Y, et al. **Cell Calcium** 1984 Apr;5(2):143–58

17 Beta-hydroxysteroid dehydrogenase and aromatase activity in breast fat from women with benign and malignant breast tumours. Beranek PA, et al. **Clin Endocrinol (Oxf)** 1984 Feb;20(2):205–12

The regulation of adenylate cyclase in adipocyte plasma membrane from genetically obese (ob/ob) mice. French RR, et al. **Diabetologia** 1984 Jun;26(6):466–72

Effect of dexamethasone on adipose tissue and liver pyruvate dehydrogenase and its stimulation by insulin-generated chemical mediator. Begum N, et al. **Endocrinology** 1984 Jan;114(1):99–107

Aromatase activity of membrane fractions of human adipose tissue stromal cells and adipocytes. Cleland WH, et al. **Endocrinology** 1983 Dec;113(6):2155–60

Insulin regulation of lipoprotein lipase in cultured isolated rat adipocytes. Eckel RH, et al. **Endocrinology** 1984 May; 114(5):1665–71

In vivo desensitization of the beta, but not the alpha 2-adrenoreceptor-coupled-adenylate cyclase system in hamster white adipocytes after administration of epinephrine. Pecquery R, et al. **Endocrinology** 1984 May; 114(5):1576–83

Age-related changes in activities of hepatic phosphofructokinase, pyruvate kinase and pyruvate dehydrogenase in liver and adipose tissue of the swiss albino mouse. Hron WT, et al. **Enzyme** 1983;30(2):83–8

Mechanism of pertussis toxin action on the adenylate cyclase system. Inhibition of the turn-on reaction of the inhibitory regulatory site. Jakobs KH, et al. **Eur J Biochem** 1984 Apr 2;140(1):177–81

Novel approach to the study of the regulation of hormone-sensitive lipase in rat adipocytes. Permeabilization of cells with digitonin. Mooney RA, et al. **Eur J Biochem** 1983 Nov 15;136(3):603–8

Guanine nucleotides and adenosine 'R(i)'-site analogues stimulate the membrane-bound low-K(m) cyclic AMP phosphodiesterase of rat adipocytes. de Mazancourt P, et al. **FEBS Lett** 1984 Aug 6;173(2):385–8

Effect of pantethine on post-heparin plasma lipolytic activities and adipose tissue lipoprotein lipase in rats. Noma A, et al. **Horm Metab Res** 1984 May;16(5):233–6

Effect of local application of progesterone on human adipose tissue lipoprotein lipase. Rebuffe-Scrive M, et al. **Horm Metab Res** 1983 Nov;15(11):566

Characterization of calmodulin-activated protein kinase activity of rat adipocyte endoplasmic reticulum fraction. Landt M, et al. **Int J Biochem** 1984;16(2):161–9

Adipose tissue lipoprotein-lipase activity in obesity. Bosello O, et al. **Int J Obes** 1984;8(3):213–20

Two classes of cAMP analogs which are selective for the two different cAMP-binding sites of type II protein kinase demonstrate synergism when added together to intact adipocytes. Beebe SJ, et al. **J Biol Chem** 1984 Mar 25; 259(6):3539–47

Evidence for independent genetic regulation of heart and adipose lipoprotein lipase activity. Ben-Zeev O, et al. **J Biol Chem** 1983 Nov 25;258(22):13632–6

Positional specificity of hormone-sensitive lipase from rat adipose tissue. Fredrikson G, et al. **J Biol Chem** 1983 Dec 10;258(23):14253–6

Activation of glycogen synthase by insulin in rat adipocytes. Evidence of hormonal stimulation of multisite dephosphorylation by glucose transport-dependent and -independent pathways. Lawrence JC Jr, et al. **J Biol Chem** 1984 Jun 25;259(12):7975–82

ATP-citrate lyase phosphorylation in rat adipose tissue. Pucci DL, et al. **J Biol Chem** 1983 Nov 10;258(21):12907–11

Stimulation of human fat cell adenylate cyclase by GDP and guanosine 5'-O-(2-thiodiphosphate). Schneyer CR, et al. **J Biol Chem** 1984 Jun 10;259(11):7038–44

A novel mechanism for the insulin-like effect of vanadate on glycogen synthase in rat adipocytes. Tamura S, et al. **J Biol Chem** 1984 May 25;259(10):6650–8

Alterations in cyclic AMP phosphodiesterase activities during differentiation of 3T3-L1 cells. Manganiello VC, et al. **J Cyclic Nucleotide Protein Phosphor Res** 1983; 9(2):143–54

Effect of litter size on plasma cholesterol and insulin and some liver and adipose tissue enzymes in adult rodents. Hahn P. **J Nutr** 1984 Jul;114(7):1231–4

The action of dexamethasone and prolactin on aromatase activity in human adipose tissue. Folkerd EJ, et al. **J Steroid Biochem** 1984 Feb;20(2):679–81

Inhibition of the hormone-sensitive lipase in adipose tissue by long-chain fatty acyl coenzyme A. Severson DL, et al. **Lipids** 1984 Feb;19(2):134–8

Age-related changes in liver and adipose tissue pyruvate dehydrogenase of genetically obese mice. Menahan LA. **Mech Ageing Dev** 1984 Mar;24(3):353–66

Lipoprotein lipase activity and cellularity in brown and white adipose tissue in Zucker obese rats. Horwitz BA, et al. **Metabolism** 1984 Apr;33(4):354–7

Effects of changes in serum insulin in response to dexamethasone and adrenalectomy on insulin-sensitive phosphodiesterase in rat fat cells. Osegawa M, et al. **Metabolism** 1984 Aug;33(8):754–9

Activation of insulin-sensitive phosphodiesterase by lectins and insulin-dextran complex in rat fat cells. Suzuki T, et al. **Metabolism** 1984 Jun;33(6):572–6

'Insulin-like' effects of lithium ion on isolated rat adipocytes. II. Specific activation of glycogen synthase. Cheng K, et al. **Mol Cell Biochem** 1983;56(2):183–9

Rat adipose tissue cAMP-dependent protein kinase: a unique form of type II. Beebe SJ, et al. **Mol Cell Endocrinol** 1984 Jun;36(1–2):67–78

Regulation of aromatase activity of cultured adipose stromal cells by catecholamines and adrenocorticotropin. Mendelson CR, et al. **Mol Cell Endocrinol** 1984 Aug; 37(1):61–72

Weight gain after cessation of cigarette smoking. A possible role for adipose-tissue lipoprotein lipase. Carney RM, et al. **N Engl J Med** 1984 Mar 8;310(10):614–6

Ovarian modulation of lipoprotein lipase activity in white adipose tissue of ground squirrels. Dark J, et al. **Physiol Behav** 1984 Jan;32(1):75–8

Rapid purification of enzymes of fatty acid biosynthesis from rat adipose tissue. Ramakrishna S, et al. **Prep Biochem** 1983; 13(5):475–88

Hormonal regulation of hormone-sensitive lipase in intact adipocytes: identification of phosphorylated sites and effects on the phosphorylation by lipolytic hormones and insulin. Strålfors P, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(11):3317–21

Actions of insulin on glucose transport and cAMP phosphodiesterase in fat cells: involvement of two distinct molecular mechanisms. Kono T. **Recent Prog Horm Res** 1983;39:519–57 (106 ref.)

[Problems of expressing lipase lipoprotein activity in adipose tissue in chronic kidney failure] Roullet JB, et al. **Nephrologie** 1983;4(6):263–5 **(Fre)**

[Isozyme typing of minute amounts of biological materials. I. Isozyme typing of human hair follicle, skin and adipose tissues] Ito H. **Nippon Hoigaku Zasshi** 1983 Jun; 37(3):156–63 (Eng. Abstr.) **(Jpn)**

[Isozyme typing of minute amounts of biological materials. II. Isozyme typing of human tissue debris found on motor vehicles and at crime scenes] Ito H. **Nippon Hoigaku Zasshi** 1983 Jun;37(3):164–9 (Eng. Abstr.) **(Jpn)**

[Estrogen biosynthesis in human female adipose tissue in vitro] Yamaki J, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Jun; 36(6):899–903 (Eng. Abstr.) **(Jpn)**

[Activity of NADP H-generating dehydrogenases in the liver and adipose tissue of swine with different fat content in their diets] Snitinskiĭ VV, et al. **Fiziol Zh** 1983 Sep-Oct; 29(5):600–3 **(Rus)**

[Effect of clofibrate on the enzyme activity of liver and adipose tissue lysosomes in the rat in the presence of an unbalanced fatty component in the diet] Kravchenko LV, et al. **Patol Fiziol Eksp Ter** 1983 Nov-Dec;(6):63–7 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Immunofluorescent studies of the rat adipocyte cell surface. Pillion DJ, et al. **Int J Immunopharmacol** 1984;6(3):193–204

METABOLISM

Insulin dissociation from its receptors on human fat cells. Evaluation of the negative cooperativity model. Arner P, et al. **Acta Diabetol Lat** 1983 Jul-Sep;20(3):197–203

Hypothalamic modulation of insulin secretion and fat-cell metabolism. Martin JM, et al. **Acta Physiol Lat Am** 1981; 31(3):183–9

Effect of hypothermia on lipolytic processes in blood and adipose tissue of rat. Gryczka-Dziadecka A. **Acta Physiol Pol** 1983 Jul-Aug;34(4):457–65

Accumulation and inactivation of adenosine by fat cells from hypothyroid rats. Fredholm BB, et al. **Acta Physiol Scand** 1984 Jun;121(2):155–63

Regulation of adipose tissue lipolysis through reversible phosphorylation of hormone-sensitive lipase. Belfrage P, et al. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1984; 17:351–9 (14 ref.)

Site differences in human subcutaneous adipose tissue metabolism in obesity. Arner P. **Aesthetic Plast Surg** 1984; 8(1):13–7 (22 ref.)

The effects of diet and zinc treatment on the fatty acid composition of serum lipids and adipose tissue and on serum lipoproteins in two adolescent patients with acrodermatitis enteropathica. Walldius G, et al. **Am J Clin Nutr** 1983 Oct; 38(4):512–22

The effect of prolactin and relaxin on insulin binding by adipocytes from pregnant women. Jarrett JC2d, et al. **Am J Obstet Gynecol** 1984 Jun 1;149(3):250–5

Sex difference in insulin-stimulated glucose transport in rat and human adipocytes. Foley JE, et al. **Am J Physiol** 1984 Mar;246(3 Pt 1):E211–5

Apoprotein C effect on triglyceride transport in tandem-perfused rat hind end and liver. Kortz WJ, et al. **Am J Physiol** 1984 Sep;247(3 Pt 1):G305–10

Liver and adipose tissue contributions to newly formed fatty acids in an ascites tumor. Ookhtens M, et al. **Am J Physiol** 1984 Jul;247(1 Pt 2):R146–53

Stimulation of cAMP accumulation and lipolysis in hamster adipocytes with forskolin. Schimmel RJ. **Am J Physiol** 1984 Jan;246(1 Pt 1):C63–8

Regulation of protein turnover by glucose, insulin, and amino acids in adipose tissue. Tischler ME, et al. **Am J Physiol** 1984 Sep;247(3 Pt 1):C228–33

Lipoprotein lipase activity and lipolysis after swim training in obese Zucker rats. Walberg JL, et al. **Am J Physiol** 1983 Nov;245(5 Pt 1):R706–12

Studies of corticotropin receptors on rat adipocytes. Oelofsen W, et al. **Arch Biochem Biophys** 1983 Sep;225(2):414–21

Ketone body synthesis from leucine by adipose tissue from different sites in the rat. Yeh YY. **Arch Biochem Biophys** 1984 Aug 15;233(1):10–8

Effects of streptozotocin diabetes and insulin treatment on adipose tissue glucose utilization in the rat. Lasunción MA, et al. **Arch Int Physiol Biochim** 1983 Nov;91(4):247–54

Incorporation of glucose into lipid of perirenal and subcutaneous adipocytes of rats and sheep: influence of insulin. Broad TE, et al. **Aust J Biol Sci** 1983;36(2):147–56

Effect of glucose on beta-adrenergic induced downregulation of insulin receptor binding in human fat cells. Arner P, et al. **Biochem Biophys Res Commun** 1984 Jul 18; 122(1):97–102

Insulin stimulates phosphorylation of a heat-stable protein in rat adipose tissue. Ramakrishna S, et al. **Biochem Biophys Res Commun** 1983 Dec 28;117(3):758–64

Selective inhibition of the insulin-stimulated phosphorylation of the 95,000 dalton subunit of the insulin receptor by TAME or BAEE. Tamura S, et al. **Biochem Biophys Res Commun** 1984 Mar 15;119(2):465–72

Effects of insulin in vitro on lipogenesis and fatty acid uptake in white adipose tissue of Zucker rats aged 10 days. de Waziers I, et al. **Biochem J** 1984 Mar 1;218(2):653–5

Effects of verapamil on lipolysis due to dibutyryl cyclic AMP. Goko H, et al. **Biochem J** 1984 May 15;220(1):321–4

Temperature optimum of insulin-stimulated 2-deoxy-D-glucose uptake in rat adipocytes. Correlation of cellular transport with membrane spin-label and fluorescence-label data. Hyslop PA, et al. **Biochem J** 1984 Feb 15;218(1):29–36

Catecholamine-induced insulin resistance of glucose transport in isolated rat adipocytes. Kirsch DM, et al. **Biochem J** 1983 Dec 15;216(3):737–45

Role of Ca2+ ions in the regulation of intramitochondrial metabolism in rat epididymal adipose tissue. Evidence against a role for Ca2+ in the activation of pyruvate dehydrogenase by insulin. Marshall SE, et al. **Biochem J** 1984 Feb 15;218(1):249–60

The effect of membrane composition and alcohols on the insulin-sensitive reconstituted monosaccharide-transport

system of rat adipocyte plasma membranes. More JE, et al. **Biochem J** 1983 Oct 15;216(1):113–20

Adenosine and the control of lipolysis in rat adipocytes during pregnancy and lactation. Vernon RG, et al. **Biochem J** 1983 Oct 15;216(1):121–8

Cadmium-induced stimulation of lipogenesis from glucose in rat adipocytes. Yamamoto A, et al. **Biochem J** 1984 May 1;219(3):979–84

Ligands for insulin receptor isolation. Finn FM, et al. **Biochemistry** 1984 Jun 5;23(12):2554–8

Changes in the binding of 'fast'-form alpha 2-macroglobulin to 3T3-L1 cells after differentiation to adipocytes. Ney KA, et al. **Biochemistry** 1984 Jul 17;23(15):3395–403

An insulin analogue possessing higher in vitro biological activity than receptor binding affinity. [21-Proline-B]insulin. Schwartz GP, et al. **Biochemistry** 1983 Sep 13;22(19):4561–7

A comparison of the effects of sodium nitroprusside and insulin on the control of metabolism in rat isolated adipocytes. Emami S, et al. **Biochim Biophys Acta** 1984 May 22;804(1):77–88

Effect of insulin-treatment on age-dependent decrease of lipogenic enzyme induction. Fukuda H, et al. **Biochim Biophys Acta** 1983 Oct 4;760(1):149–53

The fate of labelled glucose molecules in the rat adipocyte. Dependence on glucose concentration. Gliemann J, et al. **Biochim Biophys Acta** 1984 May 22;804(1):68–76

Effect of pertussis toxin on the hormonal regulation of cyclic AMP levels in hamster fat cells. Martínez-Olmedo MA, et al. **Biochim Biophys Acta** 1983 Oct 18;760(2):215–20

Insulin-stimulated translocation of glucose transporters in the isolated rat adipose cells: characterization of subcellular fractions. Simpson IA, et al. **Biochim Biophys Acta** 1983 Dec 19;763(4):393–407

Internalization of insulin and its receptor in the isolated rat adipose cell. Time-course and insulin concentration dependency. Sonne O, et al. **Biochim Biophys Acta** 1984 Aug 17;804(4):404–13

Accelerated net efflux of 3-O-[14C]methylglucose in isolated fat cells. Vinten J. **Biochim Biophys Acta** 1984 May 30; 772(3):244–50

The effects of 1-methyl-3-isobutylxanthine on insulin-sensitive 2-deoxyglucose transport. Weringa T, et al. **Biochim Biophys Acta** 1984 Mar 23;803(3):123–8

Stimulatory and inhibitory effects of adrenaline and 8-bromo-cAMP on insulin-sensitive 2-deoxyglucose transport in rat adipocytes. Wieringa T, et al. **Biochim Biophys Acta** 1984 Mar 23;803(3):129–36

Beta-adrenergic receptors in white fat cells of cold-acclimated rats. Senault C, et al. **Biochimie** 1983 Jun; 65(6):301–6

Retinoid concentrations in skin, serum and adipose tissue of patients treated with etretinate. Rollman O, et al. **Br J Dermatol** 1983 Oct;109(4):439–47

The effect of chronic ethanol administration on lipogenesis in liver and adipose tissue in the rat. Cascales C, et al. **Br J Nutr** 1983 Nov;50(3):549–53

Comparison of plasma very low density lipoproteins and lipogenic enzymes as predictors of fat content and food conversion efficiency in selected lines of broiler chickens. Whitehead CC, et al. **Br Poult Sci** 1984 Apr;25(2):277–86

Impaired thermogenesis and brown fat in obesity. Himms-Hagen J. **Can J Surg** 1984 Mar;27(2):125

Further observations on the increases in inositide phospholipids after stimulation by ACTH, cAMP and insulin, and on discrepancies in phosphatidylinositol mass and 32PO4-labeling during inhibition of hormonal effects by cycloheximide. Farese RV, et al. **Cell Calcium** 1983 Jul; 4(3):195–218

Studies on the activities of tannins and related compounds of medicinal plants and drugs. III. Effects of various tannins and related compounds on adrenocorticotropic hormone-induced lipolysis and insulin-induced lipogenesis from glucose in fat cells. (2). Kimura Y, et al. **Chem Pharm Bull (Tokyo)** 1983 Jul;31(7):2501–6

Studies on the activities of tannins and related compounds of medicinal plants and drugs. II. Effects of various tannins and related compounds on adrenaline-induced lipolysis in fat cells (1). Kimura Y, et al. **Chem Pharm Bull (Tokyo)** 1983 Jul;31(7):2497–500

Tocopherol content of adipose tissue from vitamin E-deficient humans. Kayden HJ. **Ciba Found Symp** 1983; 101:70–91 (28 ref.)

The relationship between human adipocyte and monocyte insulin binding. Taylor R, et al. **Clin Sci** 1984 Jul; 67(1):139–42

Conversion of glucose, acetate and lactate to CO2 and fatty acids in liver and adipose tissue of prairie voles (Microtus ochrogaster). Baldner GL, et al. **Comp Biochem Physiol [B]** 1984;78(1):145–50

Effects of thyroid hormone deficiency on lipolysis in chicken fat cells. Gandarias JM, et al. **Comp Biochem Physiol [B]** 1984;77(2):385–6

Adrenergic control of lipolysis in swine adipose tissue. Mersmann HJ. **Comp Biochem Physiol [C]** 1984;77(1):43–53

Specificity of beta-adrenergic control of lipolysis in swine adipose tissue. Mersmann HJ. **Comp Biochem Physiol [C]** 1984;77(1):39–42

Influence of aging on insulin receptor binding and metabolic effects of insulin on human adipose tissue. Bolinder J, et al. **Diabetes** 1983 Oct;32(10):959–64

Ciglitazone, a new hypoglycemic agent. II. Effect on glucose and lipid metabolisms and insulin binding in the adipose tissue of C57BL/6J-ob/ob and -+/? mice. Chang AY, et al. **Diabetes** 1983 Sep;32(9):839–45

Degradation of insulin receptors in rat adipocytes. Heidenreich KA, et al. **Diabetes** 1983 Nov;32(11):1001–9

Insulin-induced internalization of the insulin receptor in the isolated rat adipose cell. Detection of both major receptor subunits following their biosynthetic labeling in culture. Simpson IA, et al. **Diabetes** 1984 Jan;33(1):13–8

Insulin resistance in fat cells from insulin-treated type I diabetic individuals. Lönnroth P, et al. **Diabetes Care** 1983 Nov-Dec;6(6):586–90

Disposition of 2,2',4,4',5,5'-hexachlorobiphenyl (6-CB) in rats with decreasing adipose tissue mass. II. Effects of restricting food intake before and after 6-CB administration. Jondorf WR, et al. **Drug Metab Dispos** 1983 Nov-Dec;11(6):597–601

Length of acute exposure to insulin regulates the rate of deactivation of stimulated glucose transport in isolated rat adipocytes. Ciaraldi TP, et al. **Endocrinology** 1983 Nov; 113(5):1739–45

Preparation and biological reactivity of polyiodinated human growth hormone. Goodman HM, et al. **Endocrinology** 1983 Dec;113(6):2017–23

Biological activity of bacterial derived human growth hormone in adipose tissue of hypophysectomized rats. Goodman HM. **Endocrinology** 1984 Jan;114(1):131–5

Covalent binding of growth hormone to surface receptors on rat adipocytes. Gorin E, et al. **Endocrinology** 1984 Apr; 114(4):1279–86

Binding and degradation of [125I]human growth hormone in rat adipocytes. Gorin E, et al. **Endocrinology** 1984 Aug; 115(2):467–75

Insulin-stimulated methylaminoisobutyric acid uptake in 3T3-L1 fibroblasts and fat cells. Gr ɣfeld C, et al. **Endocrinology** 1983 Nov;113(5):1763–70

Forskolin inhibition of glucose metabolism in rat adipocytes independent of adenosine 3',5'-monophosphate accumulation and lipolysis. Mills I, et al. **Endocrinology** 1984 Sep;115(3):1066–9

Receptor binding and biological activity of specifically labeled [125I]- and [127I]monoiodoinsulin isomers in isolated rat adipocytes. Peavy DE, et al. **Endocrinology** 1984 May;114(5):1818–24

Down-regulation of prostaglandin E receptors and homologous desensitization of isolated adipocytes. Robertson RP, et al. **Endocrinology** 1983 Nov;113(5):1732–8

Bound lectins that mimic insulin produce persistent insulin-like activities. Shechter Y. **Endocrinology** 1983 Dec; 113(6):1921–6

Identification and subclassification of rat adipocyte beta-adrenoceptors using (+/-)-[125I]cyanopindolol. Bojanic D, et al. **Eur J Pharmacol** 1983 Sep 30; 93(3-4):235–43

Direct action of pertussis toxin in isolated hamster fat cells. Martínez-Olmedo MA, et al. **Eur J Pharmacol** 1984 Mar 16;99(1):115–8

Effects of islet-activating protein on insulin- and isoprenaline-stimulated glucose transport in isolated rat adipocytes. Joost HG, et al. **FEBS Lett** 1984 Feb 13; 167(1):5–9

Modulation of beta-oxidation and proton conductance pathway of brown adipose tissue in hypo- and hyperinsulinemic states. Seydoux J, et al. **FEBS Lett** 1984 Jan 23;166(1):141–5

Insulin-induced translocation of intracellular glucose transporters in the isolated rat adipose cell. Cushman SW, et al. **Fed Proc** 1984 May 15;43(8):2251–5

One transporter per vesicle: determination of the basis of the insulin effect on glucose transport. Gorga JC, et al. **Fed Proc** 1984 May 15;43(8):2237–41

Translocation hypothesis of insulin action on glucose transport. Kono T. **Fed Proc** 1984 May 15;43(8):2256–7

Histochemical studies of oocyte development in Poecilocerus pictus Fabr. (Orthoptera, Acrididae) in relation to fat body metabolism. Sahai YN, et al. **Folia Morphol (Praha)** 1984; 32(2):176–84

Comparison of 2,2',4,4',5,5'-hexachloro[14C]biphenyl levels in different adipose tissues of dogs and monkeys. Ryerson BA, et al. **Fundam Appl Toxicol** 1984 Feb;4(1):120–4

Differential responsiveness of phosphorylase system and fat body carbohydrates of Poecilocerus pictus (Insecta) to hyperglycemic factors of crab (Crustacea) and scorpion (Arachnida). Sreenivasula Reddy P, et al. **Gen Comp Endocrinol** 1984 Apr;54(1):43–5

The effect of triiodothyronine on insulin binding and action in rat adipocytes. Cech JM, et al. **Horm Metab Res** 1983 Nov;15(11):530–2

In vitro study on lipogenesis and exogeneous fatty acid uptake in white adipose tissue of lean and obese Zucker rats aged 10 days. de Waziers I, et al. **Horm Metab Res** 1983 Nov;15(11):564–5

The significance of hyperphagia and diet composition on the metabolism in ventromedial hypothalamic lesioned male rats. Hansen FM, et al. **Horm Metab Res** 1983 Nov; 15(11):538–42

The effects of lipolytic hormones on calcium uptake in endoplasmic reticulum of adipocytes. Kawai A. **Horm Metab Res** 1983 Nov;15(11):533–8

Relationship between the fatty acid composition of the diet and that of the subcutaneous adipose tissue in individual human subjects. Plakké T, et al. **Hum Nutr Appl Nutr** 1983 Oct;37(5):365–72

Effect of reduction of triacylglycerol level on fatty acid and glucose incorporation into human adipose tissue in type IV hyperlipoproteinaemia. Max JP, et al. **Hum Nutr Clin Nutr** 1983 Sep;37(5):345–52

Loss of fat stores and reduction in sedentary energy expenditure from undereating. Webb P, et al. **Hum Nutr Clin Nutr** 1983 Jul;37(4):271–82

The composition of excess weight in obese women estimated by body density, total body water and total body potassium. Webster JD, et al. **Hum Nutr Clin Nutr** 1984 Jul; 38(4):299–306

Possible influence of free functional groups in the chain on the bio-esterification of fatty acids to triglycerides in nature. Kartha AR, et al. **Indian J Biochem Biophys** 1983 Aug;20(4):226–7

Adipose tissue glycogen synthesis. Eichner RD. **Int J Biochem** 1984;16(3):257–61 (42 ref.)

Cholesterogenesis from propionate: facts and speculations. Emmanuel B, et al. **Int J Biochem** 1984;16(8):907–11

Inhibition of the glycerol 3-phosphate oxidation by free fatty acids. Rauchová H, et al. **Int J Biochem** 1984;16(2):243–5

Direct effect of triiodothyronine on glucose utilization in adipocytes from obese and nonobese Zucker rats. Rifici VA, et al. **Int J Biochem** 1984;16(4):353–60

Regulation of adipose tissue metabolism via adrenergic mechanisms: actions of alpha-adrenoceptor agonists on lipolysis in hamster fat cells. Curtis-Prior PB, et al. **Int J Obes** 1983;7(4):299–305

Adaptive changes to training in adipose tissue lipolysis are genotype dependent. Despres JP, et al. **Int J Obes** 1984; 8(1):87–95

Effect of pharmacological suppression of insulin secretion on tissue sensitivity to insulin in subjects with moderate obesity. Ratzmann KP, et al. **Int J Obes** 1983;7(5):453–8

Effects of a very-low-calorie diet on adrenergic responsiveness in human adipose tissue. Rozen R, et al. **Int J Obes** 1984;8(2):141–9

Characterization of the beta-adrenoceptor of the adipose cell of the rat. Tan S, et al. **Int J Obes** 1983;7(5):409–14

Effect of sex on lipogenic activity in swine adipose tissue. Mersmann HJ. **J Anim Sci** 1984 Mar;58(3):600–4

Use of carbohydrate and fat as energy source by obese and lean swine. Mersmann HJ, et al. **J Anim Sci** 1984 Apr; 58(4):894–902

Evidence that phosphofructokinase limits glucose utilization in bovine adipose tissue. Smith SB. **J Anim Sci** 1984 May; 58(5):1198–204

The penetration of latamoxef disodium (moxalactam) into the subcutaneous fat and skeletal muscle of ischaemic lower limbs with atherosclerotic disease. Stewart J, et al. **J Antimicrob Chemother** 1984 Apr;13(4):377–82

Chlorinated compounds and phenols in tissue, fat, and blood from rats fed industrial waste site soil extract: methods and analysis. Stein VB, et al. **J Assoc Off Anal Chem** 1984 Jan-Feb;67(1):111–6

Sarcophagine (beta-alanyl-L-tyrosine) synthesis in the fat body of Sarcophaga peregrina larvae. Kano Y, et al. **J Biochem (Tokyo)** 1984 Apr;95(4):1041–6

Correlation of lipolytic and lipogenic actions of synthetic peptides with structure. Masuno H, et al. **J Biochem (Tokyo)** 1984 Apr;95(4):1083–90

Catecholamine-stimulated protein phosphorylation in 3T3-L1 preadipocytes and adipocytes. Morita A, et al. **J Biochem (Tokyo)** 1984 Mar;95(3):743–50

Enhancement of adipose S-100 protein release by catecholamines. Suzuki F, et al. **J Biochem (Tokyo)** 1983 Nov;94(5):1707–10

Permeation of long-chain fatty acid into adipocytes. Kinetics, specificity, and evidence for involvement of a membrane protein. Abumrad NA, et al. **J Biol Chem** 1984 Jul 25; 259(14):8945–53

Identification of a high affinity growth hormone receptor in rat adipocyte membranes. Carter-Su C, et al. **J Biol Chem** 1984 Jan 25;259(2):1099–104

Disulfide exchange between insulin and its receptor. A possible post-binding step in insulin action. Clark S, et al. **J Biol Chem** 1983 Oct 10;258(19):11434–7

Mouse antibodies to the insulin receptor developing spontaneously as anti-idiotypes. II. Effects on glucose homeostasis and the insulin receptor. Elias D, et al. **J Biol Chem** 1984 May 25;259(10):6416–9

Characterization of low density lipoprotein binding to human adipocytes and adipocyte membranes. Fong BS, et al. **J Biol Chem** 1984 Aug 25;259(16):10168–74

Internalization of insulin receptors in the isolated rat adipose cell. Demonstration of the vectorial disposition of receptor subunits. Hedo JA, et al. **J Biol Chem** 1984 Sep 10; 259(17):11083–9

Metabolism of photoaffinity-labeled insulin receptors by adipocytes. Role of internalization, degradation, and recycling. Heidenreich KA, et al. **J Biol Chem** 1984 May 25;259(10):6511–5

Evidence for a single forskolin-binding site in rat adipocyte membrane. Studies of [14,15-3H]dihydroforskolin binding and adenylate cyclase activation. Ho RJ, et al. **J Biol Chem** 1984 Jun 25;259(12):7630–6

The regulation of glucose transport by cAMP stimulators via three different mechanisms in rat and human adipocytes. Kashiwagi A, et al. **J Biol Chem** 1983 Nov 25; 258(22):13685–92

Fat cell beta-adrenergic receptor in the hypothyroid rat.

Impaired interaction with the stimulatory regulatory component of adenylate cyclase. Malbon CC, et al. **J Biol Chem** 1984 Mar 10;259(5):3254–60

Primary culture of isolated adipocytes. A new model to study insulin receptor regulation and insulin action. Marshall S, et al. **J Biol Chem** 1984 May 25;259(10):6376–84

Insulin-mediated antilipolysis in permeabilized rat adipocytes. Mooney RA, et al. **J Biol Chem** 1984 Jun 25; 259(12):7701–4

[3H]GDP release from rat and hamster adipocyte membranes independently linked to receptors involved in activation or inhibition of adenylate cyclase. Differential susceptibility to two bacterial toxins. Murayama T, et al. **J Biol Chem** 1984 Jan 25;259(2):761–9

Photoaffinity labeling of insulin-sensitive hexose transporters in intact rat adipocytes. Direct evidence that latent transporters become exposed to the extracellular space in response to insulin. Oka Y, et al. **J Biol Chem** 1984 Jul 10;259(13):8125–33

Direct comparison of the rates of internalization and degradation of covalent receptor–insulin complexes in 3T3–L1 adipocytes. Internalization of occupied receptors is not the rate–limiting step in receptor–hormone complex degradation. Reed BC, et al. **J Biol Chem** 1984 Jul 10; 259(13):8134–43

Role of glycosylation in the processing of newly translated insulin proreceptor in 3T3–L1 adipocytes. Ronnett GV, et al. **J Biol Chem** 1984 Apr 10;259(7):4566–75

Mouse antibodies to the insulin receptor developing spontaneously as anti–idiotypes. I. Characterization of the antibodies. Shechter Y, et al. **J Biol Chem** 1984 May 25; 259(10):6411–5

Counter–regulation of insulin–stimulated glucose transport by catecholamines in the isolated rat adipose cell. Smith U, et al. **J Biol Chem** 1984 Jul 25;259(14):8758–63

Insulin–like effect of trypsin on the phosphorylation of rat adipocyte insulin receptor. Tamura S, et al. **J Biol Chem** 1983 Dec 25;258(24):14749–52

Effects of divalent cations on the regulation of insulin–sensitive glucose transport and cAMP phosphodiesterase in adipocytes. Insulin–like effects of divalent cations. Ueda M, et al. **J Biol Chem** 1984 Aug 10;259(15):9520–5

Potential mechanism of the stimulatory action of insulin on insulin–like growth factor II binding to the isolated rat adipose cell. Apparent redistribution of receptors cycling between a large intracellular pool and the plasma membrane. Wardzala LJ, et al. **J Biol Chem** 1984 Jul 10; 259(13):8378–83

Separate intracellular pathways for insulin receptor recycling and insulin degradation in isolated rat adipocytes. Marshall S, et al. **J Cell Physiol** 1983 Nov;117(2):195–203

Prostaglandin E2 receptor binding and action in human fat cells. Richelsen B, et al. **J Clin Endocrinol Metab** 1984 Jul;59(1):7–12

Influence of obesity on the antilipolytic effect of insulin in isolated human fat cells obtained before and after glucose ingestion. Arner P, et al. **J Clin Invest** 1984 Mar; 73(3):673–80

Relationship between obesity and maximal insulin–stimulated glucose uptake in vivo and in vitro in Pima Indians. Bogardus C, et al. **J Clin Invest** 1984 Mar;73(3):800–5

Improvement in in vitro insulin action after one month of insulin therapy in obese noninsulin–dependent diabetics. Measurements of glucose transport and metabolism, insulin binding, and lipolysis in isolated adipocytes. Foley JE, et al. **J Clin Invest** 1983 Dec;72(6):1901–9

In vitro insulin resistance of human adipocytes isolated from subjects with noninsulin–dependent diabetes mellitus. Kashiwagi A, et al. **J Clin Invest** 1983 Oct;72(4):1246–54

The effect of maternal diet on maternal and fetal hepatic and brown adipose tissue lipogenesis and blood and tissue metabolites. Higham FC, et al. **J Dev Physiol** 1984 Apr; 6(2):153–8

Immediate, short– and long–term opposite effects of oestradiol–17 beta on glucose metabolism in rat adipocytes: relationship with the biphasic changes in body weight and food intake. Faure A, et al. **J Endocrinol** 1984 Apr; 101(1):13–9

Effects of prolactin, progesterone and ovariectomy on metabolic activities and insulin receptors in the mammary gland and adipose tissue during extended lactation in the rat. Flint DJ, et al. **J Endocrinol** 1984 Aug;102(2):231–6

Insulin binding and action in adipocytes of pregnant rats: evidence that insulin resistance is caused by post–receptor binding defects. Sutter–Dub MT, et al. **J Endocrinol** 1984 Aug;102(2):209–14

Morphological and metabolic alterations in adipose tissue of very old rats. Gommers A, et al. **J Gerontol** 1983 Nov; 38(6):666–72

Relationship of body fat distribution to blood pressure, carbohydrate tolerance, and plasma lipids in healthy obese women. Kalkhoff RK, et al. **J Lab Clin Med** 1983 Oct; 102(4):621–7

Adrenergic regulation of adipocyte metabolism. Fain JN, et al. **J Lipid Res** 1983 Aug;24(8):945–66

Adipose tissue and cholesterol metabolism. Krause BR, et al. **J Lipid Res** 1984 Feb;25(2):97–110 (155 ref.)

Radioisotopic method for the measurement of lipolysis in small samples of human adipose tissue. Leibel RL, et al. **J Lipid Res** 1984 Jan;25(1):49–57

Regulation of nervous system–specific S–100 protein and enolase levels in adipose tissue by catecholamines. Suzuki F, et al. **J Neurochem** 1984 Jan;42(1):130–4

Effect of plane of nutrition on adipose tissue lipid metabolism in genetically obese and lean pigs. Mersmann HJ, et al. **J Nutr** 1984 May;114(5):862–8

Influence of dietary fiber on lipid metabolism in meal–fed rats. Mueller MA, et al. **J Nutr** 1983 Nov;113(11):2229–38

Relative contributions of acetate, lactate and glucose to lipogenesis in bovine intramuscular and subcutaneous adipose tissue. Smith SB, et al. **J Nutr** 1984 Apr; 114(4):792–800

Interrelationships among diet, age, fat deposition and lipid metabolism in growing steers. Smith SB, et al. **J Nutr** 1984 Jan;114(1):153–62

Diurnal changes in lipolytic activity of isolated fat cells and their increased responsiveness to epinephrine and theophylline with meal feeding in rats. Suzuki M, et al. **J Nutr Sci Vitaminol (Tokyo)** 1983 Aug;29(4):399–411

Utilization of glucose and palmitate during adipose conversion of ob17 cells. Modulation by hypolipidemic drugs. Ghis MP, et al. **J Pharmacol** 1984 Jan–Mar; 15(1):17–25

The effects of beta–adrenoceptor blocking drugs on non–esterified fatty acid release from adipocytes. Harms HH. **J Pharmacol** 1983;14 Suppl 2:209–15

Effects of chemical sympathectomy on insulin receptors and insulin action in isolated rat adipocytes. Joost HG, et al. **J Pharmacol Exp Ther** 1984 Jun;229(3):839–44

Interplay of alpha–2 and beta adrenoceptors in the control of free fatty acid release from bone marrow adipose tissue. Tran MA, et al. **J Pharmacol Exp Ther** 1984 Jul; 230(1):228–31

Disposition and metabolism of 4–chloro–2–nitroaniline in the male F344 rat. Chopade HM, et al. **J Toxicol Environ Health** 1983 Aug–Sep;12(2–3):267–82

Induction of insulin resistance in normal adipose tissue by uremic human serum. McCaleb ML, et al. **Kidney Int** 1984 Feb;25(2):416–21

Adipose tissue fatty acids and CHD [letter] **Lancet** 1984 Sep 1;2(8401):515

Adipose tissue and platelet fatty acids and coronary heart disease in Scottish men. Wood DA, et al. **Lancet** 1984 Jul 21;2(8395):117–21

Distribution of chlorpromazine and imipramine in adipose and other tissues of rats. Bickel MH, et al. **Life Sci** 1983 Nov 14;33(20):2025–31

In vitro lipolysis of proopiocortin peptides. Richter WO, et al. **Life Sci** 1983;33 Suppl 1:747–50

Metabolism of amino acids, protein and glucose in fat pads of traumatized rats. Tischler ME, et al. **Life Sci** 1984 Jul 23;35(4):449–54

Relationship between lipofuscin granules and polyunsaturated fatty acids in the housefly, Musca domestica. Sohal RS, et al. **Mech Ageing Dev** 1984 Jun; 25(3):355–63

Nuclear triiodothyronine binding sites in rat adipocytes. Buergi U, et al. **Metabolism** 1984 Apr;33(4):326–8

Relationship of body fat topography to insulin sensitivity and metabolic profiles in premenopausal women. Evans DJ, et al. **Metabolism** 1984 Jan;33(1):68–75

Increased insulin binding to adipocytes and monocytes and increased insulin sensitivity of glucose transport and metabolism in adipocytes from non–insulin–dependent diabetics after a low–fat/high–starch/high–fiber diet. Hjøllund E, et al. **Metabolism** 1983 Nov;32(11):1067–75

In vitro insensitivity of glucose transport and antilipolysis to insulin due to receptor and postreceptor abnormalities in obese Pima Indians with normal glucose tolerance. Kashiwagi A, et al. **Metabolism** 1984 Aug;33(8):772–7

Human immunoglobulin M stimulates adipocyte lipogenesis. Khokher MA, et al. **Metabolism** 1984 Mar;33(3):208–11

Calculation of short–term changes in body fat from measurement of respiratory gas exchange. King RF, et al. **Metabolism** 1984 Sep;33(9):826–32

Recycling of insulin–sensitive glucose transporter in rat adipocytes. Kono T. **Methods Enzymol** 1983;98:431–44

'Insulin–like' effects of lithium ion on isolated rat adipocytes. I. Stimulation of glycogenesis beyond glucose transport. Cheng K, et al. **Mol Cell Biochem** 1983;56(2):177–82

Effects of theophylline on insulin receptors and insulin action in the adipocyte. Joost HG, et al. **Mol Cell Biochem** 1983; 57(2):177–83

Phospholipids and the regulation of pyruvate dehydrogenase from rat adipocyte mitochondria. Kiechle FL, et al. **Mol Cell Biochem** 1983;56(2):99–105

The mechanism of receptor–mediated degradation of insulin in isolated rat adipocytes: indirect evidence for a non–lysosomal pathway. Sonne O, et al. **Mol Cell Endocrinol** 1983 Aug;31(2–3):315–31

Adipose tissue content as a modifier of the tissue distribution, biological effects, and excretion of a hexachlorobiphenyl in C57BL/6J and DBA/JBOMf mice. Ahotupa M, et al. **Mol Pharmacol** 1983 Nov;24(3):464–70

Guanine nucleotide and cation regulation of radioligand binding to Ri adenosine receptors of rat fat cells. Ukena D, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Jun; 326(3):241–7

Labelling of Ri adenosine receptors in rat fat cell membranes with (–)–[125iodo]N6–hydroxyphenylisopropyladenosine. Ukena D, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Jun;326(3):233–40

Hypothalamus and brown fat: white and brown adipose tissue lipolysis in weanling rats with dorsomedial hypothalamic lesions. Bernardis LL, et al. **Neurol Res** 1983;5(3):69–81

Comparative effects of RX 781094, mianserin, yohimbine, rauwolscine and prazosin in reversing clonidine inhibition of MIX–stimulated lipolysis in hamster isolated white fat cells. Tan S, et al. **Pharmacol Res Commun** 1984 May; 16(5):461–6

Anti–lipolytic action of prazosin in hamster fat cells. Tan S, et al. **Pharmacol Res Commun** 1984 May;16(5):451–9

Lipolysis in rat adipose tissue in vitro and its alpha 2 adrenergic control. Mühlbachová E, et al. **Physiol Bohemoslov** 1983;32(4):359–65

The effect of dietary energy level and broiler body weight on abdominal fat. Deaton JW, et al. **Poult Sci** 1983 Dec; 62(12):2394–7

Abdominal fat deposition and sudden death syndrome in broilers: the effects of restricted intake, early life caloric (fat) restriction, and calorie: protein ratio. Mollison B, et al. **Poult Sci** 1984 Jun;63(6):1190–200

Dietary fats and adipose tissue fatty acid composition. Hashim SA. **Prev Med** 1983 Nov;12(6):854–67

Insulin stimulation of phospholipid methylation in isolated rat adipocyte plasma membranes. Kelly KL, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(4):1089–92

Insulin activates the appearance of insulin–like growth factor II receptors on the adipocyte cell surface. Oka Y, et al. **Proc Natl Acad Sci USA** 1984 Jul;81(13):4028–32

Pentose cycle flux and fatty acid synthesis in bovine adipose tissue slices incubated with 6–aminonicotinamide. Smith SB, et al. **Proc Soc Exp Biol Med** 1984 Jan;175(1):98–105

Dopamine and lipolysis in adipose tissue of the sheep. Thompson GE. **Q J Exp Physiol** 1984 Jan;69(1):155–9

Gastric inhibitory polypeptide enhancement of the insulin effect on fatty acid incorporation into adipose tissue in the rat. Beck B, et al. **Regul Pept** 1983 Sep;7(1):3–8

Evidence for a role of somatostatin in lipid metabolism of liver and adipose tissue. Catalán RE, et al. **Regul Pept** 1984 Mar;8(2):147–59

Determination of adrenoceptors of the alpha 2–subtype on isolated human fat cells. Engfeldt P, et al. **Scand J Clin Lab Invest** 1983 May;43(3):207–13

Size and lipolytic capacity of bovine adipocytes from subcutaneous and internal adipose tissue. Pike BV, et al. **Vet Res Commun** 1984 Feb;8(1):61–4

[Molecular mechanisms of stimulated lipolysis] Mühlbachová E. **Cas Lek Cesk** 1983 Nov 4;122(44):1353–6 (Eng. Abstr.) **(Cze)**

[Adrenergic control of adipocyte metabolism] Lafontan M, et al. **Ann Endocrinol (Paris)** 1983;44(5):291–4 (42 ref.) **(Fre)**

[Effects of insulin, somatomedin––a multiplication stimulating activity (MSA)––and transferrin, on the lipolysis of rat adipocytes in vitro] Elsair J, et al. **C R Soc Biol (Paris)** 1984;178(1):56–62 (Eng. Abstr.) **(Fre)**

[Progesterone and glucose–lipid metabolism of adipose cells] Sutter–Dub MT, et al. **Journ Annu Diabetol Hotel Dieu** 1983;:211–21 (43 ref.) **(Fre)**

[Effect of rearing method on the storage of fats by adipose tissue in sheep] Vézinhet A, et al. **Reprod Nutr Dev** 1983; 23(5):837–46 (Eng. Abstr.) **(Fre)**

[Can the transformation of glucides into body fat be considered a factor contributing to obesity in man?] Acheson KJ, et al. **Rev Med Suisse Romande** 1983 Jul; 103(7):603–8 **(Fre)**

[Comparative study of adrenaline–induced lipolysis of human deltoid and trochanter adipose tissue] Garçon D, et al. **Sem Hop Paris** 1983 Sep 8;59(31):2155–9 (Eng. Abstr.) **(Fre)**

[Stimulation of glucose transport and metabolism in rat adipocytes induced by trace metals] Yamamoto A, et al. **Nippon Eiseigaku Zasshi** 1983 Dec;38(5):863–9 (Eng. Abstr.) **(Jpn)**

[Characteristics of lipolytic activities in the genetically obese Zucker fatty rats––experimental study on (–)–[3H]dihydroalprenolol binding in the intact fat cells] Matsumoto G. **Nippon Naibunpi Gakkai Zasshi** 1983 Aug 20;59(8):1145–59 (Eng. Abstr.) **(Jpn)**

[Adipocyte insulin binding and glucose transport in normal pregnancy and streptozotocin–induced diabetic pregnancy in the rat: evidence for a postreceptor abnormality in insulin action] Shimizu K, et al. **Nippon Naibunpi Gakkai Zasshi** 1983 Dec 20; 59(12):1894–904 (Eng. Abstr.) **(Jpn)**

[Hypothetical theory on hormone–sensitive substrate] Okuda H, et al. **Tanpakushitsu Kakusan Koso** 1983 Jul;28(8):974–84 (20 ref.) **(Jpn)**

[Mechanisms of reversibility of fatty degeneration] Lebkova NP, et al. **Arkh Patol** 1983;45(7):41–7 (Eng. Abstr.) **(Rus)**

[Fatty acid composition and content of individual lipid fractions in adipose and muscle tissue of albino rats with alloxan diabetes] Martikian AR, et al. **Biull Eksp Biol Med** 1984 Jul;97(7):33–5 (Eng. Abstr.) **(Rus)**

[Electron microscopic and radioautographic study of nucleic acid synthesis in normal fatty tissue and lipomas] Sarkisov DS, et al. **Biull Eksp Biol Med** 1984 May;97(5):618–21 (Eng. Abstr.) **(Rus)**

[Fatty tissue insulin receptors in patients with an elevated level of contrainsulin hormones with and without concomitant diabetes mellitus] Evdokimova NIu.

Probl Endokrinol (Mosk) 1984 Jul-Aug;30(4):7-13 (Eng. Abstr.) **(Rus)**
[Effect of adrenalectomy and hydrocortisone on insulin receptors of rat fat cell plasma membranes] Bezdrobnyi IuV, et al. **Ukr Biokhim Zh** 1983 Sep-Oct;55(5):529-33 (Eng. Abstr.) **(Rus)**
[Some characteristics of lipolysis in adipose tissue in hypertension] Reznikova MB, et al. **Vopr Med Khim** 1983 Jul-Aug;29(4):40-2 (Eng. Abstr.) **(Rus)**
[Lipolysis in fatty tissue of patients with adrenohypercorticism] Tishenina RS. **Vopr Med Khim** 1983 Nov-Dec;29(6):15-20 (Eng. Abstr.) **(Rus)**
[Important differences in adipose tissue metabolism in gynoid obesity] Arner P. **Lakartidningen** 1984 Aug 29; 81(35):3034-6 **(Swe)**

PATHOLOGY

The floating heart or the heart too fat to sink: analysis of 55 necropsy patients. Roberts WC, et al. **Am J Cardiol** 1983 Dec 1;52(10):1286-9
Adiposity rebound in children: a simple indicator for predicting obesity. Rolland-Cachera MF, et al. **Am J Clin Nutr** 1984 Jan;39(1):129-35
Lipedema--the non-lymphatic masquerader. Beninson J, et al. **Angiology** 1984 Aug;35(8):506-10
Adipose tissue cellularity and hemodynamic indexes in obese patients with hypertension. Achimastos A, et al. **Arch Intern Med** 1984 Feb;144(2):265-8
Hypolipidemia and peroxisome proliferation induced by phenoxyacetic acid herbicides in rats. Vainio H, et al. **Biochem Pharmacol** 1983 Sep 15;32(18):2775-9
Granulomatous panniculitis and Hodgkin's disease. Sina B, et al. **Cutis** 1984 Apr;33(4):403-4
Thermal injury and thermotolerance in mesenchymal tissues. Fajardo LF, et al. **Front Radiat Ther Oncol** 1984;18:144-52
Insulin responsiveness in non-fa/fa and fa/fa Zucker rats: effects of adipocyte size. Hood RL, et al. **Int J Obes** 1984; 8(1):31-40
Do fat cell morphometrics predict weight loss maintenance? Strain GW, et al. **Int J Obes** 1984;8(1):53-9
Combined posteroanterior subepicardial fat simulating the echocardiographic diagnosis of pericardial effusion. Rifkin RD, et al. **J Am Coll Cardiol** 1984 May;3(5):1333-9
Exercise and detraining: effect on food intake, adiposity and lipogenesis in Osborne-Mendel rats made obese by a high fat diet. Applegate EA, et al. **J Nutr** 1984 Feb; 114(2):447-59
Intravascular fat accumulation in the very-low-birth-weight infant [letter] Paust H, et al. **J Pediatr** 1983 Oct; 103(4):668-9
Fatty changes and metastases in axillary lymph nodes. Werbin N. **J Surg Oncol** 1984 Mar;25(3):145-7
Quantitative analysis of biopsied bone marrow tissue embedded in resin from hemopathic patients. II. Correlation between marrow adipose volume (MAV) and hematopoietic cell (HC) and the topographical variation in MAV. Arashi K. **Nippon Ketsueki Gakkai Zasshi** 1983 Jul;46(4):842-51
Adipocyte sizes and numbers in lean and obese subjects. **Nutr Rev** 1984 Apr;42(4):159-60 (2 ref.)
Five cases of parathyroid lipohyperplasia. Straus FH 2d, et al. **Surgery** 1983 Dec;94(6):901-5
[Histological observations of the capsules induced by Contortylenchus diplogaster v. Lins (Nematoda: Allantonematidae) in the adipose tissue of Ips sexdentatus Boern. (Coleoptera: Scolytidae)] Lieutier F. **Ann Parasitol Hum Comp** 1984;59(3):245-51 (Eng. Abstr.) **(Fre)**
[Anatomico-pathological causes of cellulite] Merlen JF, et al. **J Mal Vasc** 1984;9 Suppl A:53-4 **(Fre)**
[Primary lipoatrophy in bands of the thigh and leg] Petrescu Z, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Jan-Mar; 87(1):111-2 **(Rum)**
[Hyperinsulinemia in obesity: significance of adipose tissue cell size] Julius U, et al. **Biull Eksp Biol Med** 1983 Dec; 96(12):35-7 (Eng. Abstr.) **(Rus)**
[Cellulitis. Histopathologic and histochemical study of 100 cases] Segers AM, et al. **Med Cutan Iber Lat Am** 1984; 12(2):167-72 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Fatty involution of bone marrow in rabbits. Bigelow CL, et al. **Acta Anat (Basel)** 1984;118(1):60-4
The role of insulin as a satiety factor in the central nervous system. Woods SC, et al. **Adv Metab Disord** 1983;10:457-68 (62 ref.)
Effects of thyroid hormones on adipose tissue development in Sherman and Zucker rats. Levacher C, et al. **Am J Physiol** 1984 Jan;246(1 Pt 1):C50-6
Age changes in skinfolds, body fat and lean body mass in Jat-Sikh and Bania females during 20 to 80 years. Singal P, et al. **Anthropol Anz** 1983 Sep;41(3):179-89
Biological potency of covalently linked insulin-receptor in rat adipocytes. Comparison with the potency of reversible complexes. Klotz G, et al. **Biochim Biophys Acta** 1984 Feb 17;803(1-2):78-84
Biological activity of covalently-linked insulin-receptor complexes in rat adipocytes. Effect of pH. Saunders D, et al. **Biochim Biophys Acta** 1984 Feb 17;803(1-2):85-9
Foraging effort, food intake, fat deposition and puberty in female mice. Perrigo G, et al. **Biol Reprod** 1983 Sep; 29(2):455-63
Hormone-receptor coupling and the molecular mechanism of insulin action in the adipocyte: a paradigm for Ca2+ homeostasis in the initiation of the insulin-induced metabolic cascade. Pershadsingh HA, et al. **Cell Calcium** 1984 Apr;5(2):111-30 (102 ref.)
Influence of thyroid hormone level on insulin action in human adipose tissue. Arner P, et al. **Diabetes** 1984 Apr; 33(4):369-75
Differentiation of Ob17 preadipocytes to adipocytes: requirement of adipose conversion factor(s) for fat cell cluster formation. Grimaldi P, et al. **EMBO J** 1982; 1(6):687-92
Nuclear triiodothyronine receptor in differentiating preadipocytes cloned from obese and lean mice. Anselmet A, et al. **Endocrinology** 1984 Feb;114(2):450-6
Contribution of growth hormone to the adipogenic activity of serum. Nixon T, et al. **Endocrinology** 1984 Feb; 114(2):527-32
Mammary fat pad may be a potential site for initiation of estrogen action in normal mouse mammary glands. Shyamala G, et al. **Endocrinology** 1984 Sep;115(3):1078-81
3T3-L1 adipocytes promote the growth of mammary epithelium. Levine JF, et al. **Exp Cell Res** 1984 Mar; 151(1):112-22
Purification of a pituitary polypeptide that stimulates the replication of adipocyte precursors in culture. Lau DC, et al. **FEBS Lett** 1983 Mar 21;153(2):395-8
Developmental changes in the response of the fat body of Manduca sexta to injections of Corpora cardiaca extracts. Ziegler R. **Gen Comp Endocrinol** 1984 Apr;54(1):51-8
Growth of preadipocyte cell lines and cell strains from rodents in serum-free hormone-supplemented medium. Gaillard D, et al. **In Vitro** 1984 Feb;20(2):79-88
Adipocyte hormone responsiveness and aging in the rat: problems in the interpretation of aging research. Kirkland JL, et al. **J Am Geriatr Soc** 1984 Mar;32(3):219-28 (106 ref.)
The development of the inner layer of backfat in fetal and young pigs. Hausman GJ, et al. **J Anim Sci** 1984 Jun; 58(6):1550-60
Growth and development of meat animals. Trenkle A, et al. **J Anim Sci** 1983 Jul;57 Suppl 2:273-83 (85 ref.)
Level of physical fitness and adipocyte lipolysis in humans. Després JP, et al. **J Appl Physiol** 1984 May;56(5):1157-61
Changes in the metabolism of long chain fatty acids during adipose differentiation of 3T3 L1 cells. Carnicero HH. **J Biol Chem** 1984 Mar 25;259(6):3844-50
Coordinate regulation of the biosynthesis of ATP-citrate lyase and malic enzyme during adipocyte differentiation. Studies on 3T3-L1 cells. Wise LS, et al. **J Biol Chem** 1984 Apr 25;259(8):4827-32
Efficient differentiation of proadipocyte stem cells on nonadherent surfaces: evidence for differentiation without DNA synthesis. Yun K, et al. **J Cell Physiol** 1983 Nov; 117(2):249-56
Influence of anatomic site and age on the replication and differentiation of rat adipocyte precursors in culture. Djian P, et al. **J Clin Invest** 1983 Oct;72(4):1200-8
A morphological study of the adipocyte precursor. Cinti S, et al. **J Submicrosc Cytol** 1984 Apr;16(2):243-51
Biologic properties of factor-independent nonadherent hematopoietic and adherent preadipocyte cell lines derived from continuous bone marrow culture. Greenberger JS, et al. **Leuk Res** 1984;8(3):363-75
Effects of castration on adipose tissue growth and regrowth in the male rat. Faust IM, et al. **Metabolism** 1984 Jul; 33(7):596-601
3T3-L1 preadipocyte differentiation and poly(ADP-ribose) synthetase. Pekala PH, et al. **Mol Cell Biochem** 1983; 53-54(1-2):221-32 (90 ref.)
Effects of acarbose on food intake, body weight and fat depots in lean and obese rats. Glick Z, et al. **Pharmacol Biochem Behav** 1983 Jul;19(1):71-8
The involvement of gonads and gonadal steroids in the regulation of food intake, body weight and adiposity in the white Leghorn cock. Snapir N, et al. **Pharmacol Biochem Behav** 1983 Oct;19(4):617-24
Adipose tissue regeneration in 6-month-old and adult rabbits following lipectomy. Reyne Y, et al. **Proc Soc Exp Biol Med** 1983 Nov;174(2):258-64
[Prostaglandins E and lipolysis in adipose tissue of normal and starved rats during aging] Gatsko GG, et al. **Vopr Med Khim** 1983 Sep-Oct;29(5):49-50 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Sites of protein conservation and loss during starvation: influence of adiposity. Goodman MN, et al. **Am J Physiol** 1984 May;246(5 Pt 1):E383-90
Specific depletion of body fat in parabiotic partners of tube-fed obese rats. Harris RB, et al. **Am J Physiol** 1984 Aug;247(2 Pt 2):R380-6
Histology of aging: adipose tissues. Gilloteaux J, et al. **Gerontol Geriatr Educ** 1983 Winter;4(2):107-11
[Recent major research on the physiopathology of adipose tissue] Llamas R. **Gac Med Mex** 1984 Feb;120(2):35-47 (145 ref.) **(Spa)**

RADIOGRAPHY

Positional relations of colon and kidney determined by perirenal fat. Hadar H, et al. **AJR** 1984 Oct;143(4):773-6
Fatty replacement of lower paraspinal muscles: normal and neuromuscular disorders. Hadar H, et al. **AJR** 1983 Nov; 141(5):895-8
Quantification of body fat distribution in the abdomen using computed tomography. Grauer WO, et al. **Am J Clin Nutr** 1984 Apr;39(4):631-7
The relative proportions of fat, muscle and bone in the normal human forearm as determined by computed tomography. Maughan RJ, et al. **Clin Sci** 1984 Jun;66(6):683-9
Investigation of human skeletal muscle structure and composition by X-ray computerised tomography. Grindrod S, et al. **Eur J Clin Invest** 1983 Dec;13(6):465-8
A novel technique for the determination of body fat by computed tomography. Tokunaga K, et al. **Int J Obes** 1983; 7(5):437-45
Fatty replacement of muscles adjacent to spinal osteoid osteoma. McConnell JR, et al. **J Comput Assist Tomogr** 1984 Feb;8(1):147-8
Fat deposition in the cavernous sinus in Cushing disease. Bachow TB, et al. **Radiology** 1984 Oct;153(1):135-6
Subpleural fat pads in patients exposed to asbestos: distinction from non-calcified pleural plaques. Sargent EN, et al. **Radiology** 1984 Aug;152(2):273-7
[Computed tomography of upper lobe atelectasis: changes of fat density occupying the dead space] Mori M, et al. **Kinsho Hoshasen** 1984 Feb;29(2):267-71 (Eng. Abstr.) **(Jpn)**

SURGERY

Suction curettage lipectomy. Chajchir A, et al. **Aesthetic Plast Surg** 1983;7(4):195-203
Body sculpturing by lipo-suction extraction. Dolsky RL. **Aesthetic Plast Surg** 1984;8(2):75-83
Abdominoplasty: peri- and supra-umbilical lipectomy. Hakme F. **Aesthetic Plast Surg** 1983;7(4):213-20
Optimum vacuum pressures for lipolysis. Hetter GP. **Aesthetic Plast Surg** 1984;8(1):23-6
The effect of low-dose epinephrine on the hematocrit drop following lipolysis. Hetter GP. **Aesthetic Plast Surg** 1984; 8(1):19-21
Lipo-suction. 'New wave' plastic surgery. Baj PA. **Am J Nurs** 1984 Jul;84(7):892-3
Suction lipectomy--a review of 200 patients over a six-year period and a study of the technique in cadavers. Teimourian B, et al. **Ann Plast Surg** 1983 Aug;11(2):93-8
Reconsideration of fat pad management in lower lid blepharoplasty surgery. Cook TA, et al. **Arch Otolaryngol** 1984 Aug;110(8):521-4
A ten-year experience with reduction mammoplasty and abdominoplasty. What is happening in our part of the world? Baran NK, et al. **Clin Plast Surg** 1984 Jul; 11(3):479-89
Body sculpturing. Baroudi R. **Clin Plast Surg** 1984 Jul; 11(3):419-43
Morbid obesity. Davis TS. **Clin Plast Surg** 1984 Jul; 11(3):517-24
The risks of suction lipectomy. Their prevention and treatment. Gargan TJ, et al. **Clin Plast Surg** 1984 Jul; 11(3):457-63
Secondary hip-buttock-thigh plasty. Guerrerosantos J. **Clin Plast Surg** 1984 Jul;11(3):491-503
Illouz's technique of body contouring by lipolysis. Illouz YG. **Clin Plast Surg** 1984 Jul;11(3):409-17
Breast shaping procedures, abdominoplasty, and thighplasty in Australia. Isaacs G. **Clin Plast Surg** 1984 Jul;11(3):525-48 (21 ref.)
Body contouring with suction lipectomy. Kesselring UK. **Clin Plast Surg** 1984 Jul;11(3):393-408
Plastic surgery of the abdomen with improvement in the body contour. Physiopathology and treatment of the aponeurotic musculature. Psillakis JM. **Clin Plast Surg** 1984 Jul; 11(3):465-77
Secondary thigh-buttock deformities after classical techniques. Prevention and treatment. Regnault P, et al. **Clin Plast Surg** 1984 Jul;11(3):505-16
Lipexheresis (liposuction) for body contouring. Schrudde J. **Clin Plast Surg** 1984 Jul;11(3):445-56
Japanese suction-assisted lipectomy. Shirakabe T. **Clin Plast Surg** 1984 Jul;11(3):549-65
Lipo-suction surgery: a review. Field LM. **J Dermatol Surg Oncol** 1984 Jul;10(7):530-8 (40 ref.)
Lipo-suction surgery: history and development. Newman J, et al. **J Dermatol Surg Oncol** 1984 Jun;10(6):467-9
Suction lipectomy. Johnson JB. **J La State Med Soc** 1984 Jan;136(1):12-4
Suction assisted lipectomy. Maguire CP. **J SC Med Assoc** 1984 Jul;80(7):328-30
A pressure support garment for suction-assisted lipectomy [letter] Agris J. **Plast Reconstr Surg** 1984 Apr;73(4):698-9
Suction lipectomy: a retrospective analysis of 100 patients. Courtiss EH. **Plast Reconstr Surg** 1984 May;73(5):780-96
Lipodissection in body sculpturing: the dry procedure. Fournier PF, et al. **Plast Reconstr Surg** 1983 Nov; 72(5):598-609
Suction-assisted lipectomy, suction lipectomy, lipolysis, and lipexeresis. Grazer FM. **Plast Reconstr Surg** 1983 Nov; 72(5):620-3
Regional fat aspiration for body contouring. Kesselring UK. **Plast Reconstr Surg** 1983 Nov;72(5):610-9
Some thoughts on suction-assisted lipectomy. Reed LS. **Plast Reconstr Surg** 1983 Nov;72(5):624-6

Face and neck suction-assisted lipectomy associated with rhytidectomy. Teimourian B. **Plast Reconstr Surg** 1983 Nov;72(5):627-33

Suction-assisted lipectomy for removal of fatty tissue. Neither panacea nor humbug. Cohen IK. **Postgrad Med** 1984 Jan;75(1):124, 126, 128

Rapid recovery of body mass after surgical removal of adipose tissue in ground squirrels. Dark J, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(7):2270-2

[Surgical modeling of the silhouette by lipolysis-aspiration or selective lipectomy] Illouz YG. **Ann Chir Plast Esthet** 1984;29(2):162-79 (Eng. Abstr.) **(Fre)**

[10 questions apropos of the aspiration of fat by Y. G. Illouz's technic] Vilain R, et al. **Ann Chir Plast Esthet** 1984; 29(2):180-4 **(Fre)**

[Aspiration lipectomy, a status determination] Kesselring UK. **Handchir Mikrochir Plast Chir** 1984 Jun;16(2):115-7 (Eng. Abstr.) **(Ger)**

[Adipose tissue in plastic surgery] Smahel J. **Handchir Mikrochir Plast Chir** 1984 Jun;16(2):111-4 (Eng. Abstr.) **(Ger)**

TRANSPLANTATION

The mistaken diagnosis of calcification in a free dermis-fat graft on the chest wall [letter] McLean NR, et al. **Br J Surg** 1984 Jun;71(6):479

Autogeneic fat transplants in the epidural space in routine lumbar spine surgery. Bryant MS, et al. **Neurosurgery** 1983 Oct;13(4):367-70

Dermis-fat orbital implantation: 118 cases. Smith B, et al. **Ophthalmic Surg** 1983 Nov;14(11):941-3

Dermis-fat graft in socket reconstruction: theoretical and experimental considerations. Bullock JD, et al. **Ophthalmology** 1984 Feb;91(2):204-6

[Critical assessment of extra-dural fat transplantation in spinal surgery] Ii K. **Nippon Ika Daigaku Zasshi** 1983 Oct; 50(5):644-57 (Eng. Abstr.) **(Jpn)**

[Use of the skin-adipose tissue flaps in the surgical treatment of post-traumatic defects of finger bulbs] Faflik J, et al. **Chir Narzadow Ruchu Ortop Pol** 1983;48(3):219-21 (Eng. Abstr.) **(Pol)**

ULTRASTRUCTURE

Partial characterization of the glucose transport activity in the Golgi-rich fraction of fat cells. Smith MM, et al. **Biochim Biophys Acta** 1984 Aug 22;775(2):121-8

Development of brown fat cells in monolayer culture. II. Ultrastructural characterization of precursors, differentiating adipocytes and their mitochondria. Néchad M. **Exp Cell Res** 1983 Nov;149(1):119-27

Lamellar bodies are the intracellular site of membrane turnover in insect fat body. Brac T. **Tissue Cell** 1983; 15(6):873-84

Ultrastructure of the preparative phase of cell death in the larval fat body of Drosophila melanogaster. Butterworth FM, et al. **Tissue Cell** 1984;16(2):237-50

Ultrastructural features of cultured mature adipocyte precursors from adipose tissue in multiple symmetric lipomatosis. Cinti S, et al. **Ultrastruct Pathol** 1983 Sep-Oct; 5(2-3):145-52

ADIPOSIS DOLOROSA

DIAGNOSIS

Juxta-articular adiposis dolorosa--a neglected disease. Nahir AM, et al. **Isr J Med Sci** 1983 Sep;19(9):858-9

[Dercum's disease] Grelda BP, et al. **Vestn Khir** 1983 Aug; 131(8):58-9 **(Rus)**

PATHOLOGY

[Dercum's disease] Kapkaev RA, et al. **Vestn Dermatol Venerol** 1984 Feb;(2):41-2 (Eng. Abstr.) **(Rus)**

ADJUSTMENT DISORDERS

[Target symptoms in the utilization of antidepressants] Tatarelli R, et al. **Encephale** 1984;10(1):29-32 (35 ref.) (Eng. Abstr.) **(Fre)**

[Depressive syndromes and reactive significance of mourning depression] Grecu G, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Jul-Sep;87(3):389-96 (Eng. Abstr.) **(Fre)**

BLOOD

Serum glycoconjugates in children with schizophrenia and conduct and adjustment disorders. Varma R, et al. **Biochem Med** 1983 Oct;30(2):206-14

COMPLICATIONS

[Clinical analysis of movement disorders in reactive states] Morozova TG. **Zh Nevropatol Psikhiatr** 1984;84(4):569-73 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

The diagnosis of depression: 20 years later. Bech P, et al. **Acta Psychiatr Scand [Suppl]** 1983;310:9-30 (18 ref.)

The ICD--9 and the SADD--criteria for depression. Gastpar M. **Acta Psychiatr Scand [Suppl]** 1983;310:31-41

The Newcastle rating scales. Roth M, et al. **Acta Psychiatr Scand [Suppl]** 1983;310:42-54

Genesis and evolution of behavioral disorders: from infancy to early adult life. Thomas A, et al. **Am J Psychiatry** 1984 Jan;141(1):1-9

Differences in repeated psychiatric examinations of litigants to a lawsuit. Zusman J, et al. **Am J Psychiatry** 1983 Oct; 140(10):1300-4

Is the distinction between situational and nonsituational primary depression valid? Garvey MJ, et al. **Compr Psychiatry** 1984 May-Jun;25(3):372-5

Serum dopamine-beta-hydroxylase in diagnostic subgroups of depressed patients and in relation to their personality characteristics. Eisemann M, et al. **Neuropsychobiology** 1983;9(4):193-6

Situational depression and the dexamethasone suppression test. Lesser IM, et al. **Psychoneuroendocrinology** 1983; 8(4):441-5

Depression in hospitalized cancer patients. Burkberg J, et al. **Psychosom Med** 1984 May-Jun;46(3):199-212

DRUG THERAPY

Therapeutic efficacy and tolerance of diclofensine in psychoreactive depression--a double-blind comparison with placebo. Omer OL, et al. **Methods Find Exp Clin Pharmacol** 1984 Mar;6(3):147-51

[Effect of luteoliberin] Soulsirac A, et al. **Ann Med Psychol (Paris)** 1983 Sep-Oct;141(8):876-82 **(Fre)**

ENZYMOLOGY

Life events and biological vulnerability: a study of life events and platelet MAO activity in depressed patients. Perris H, et al. **Psychiatry Res** 1984 Jun;12(2):111-20

ETIOLOGY

Stressful sequelae of disabling illness. Caplan B, et al. **Int Rehabil Med** 1984;6(2):58-62

Chronic pain review. A diabetic paradox. Morse RH. **J La State Med Soc** 1983 Jul;135(7):35-8

Psychological distress after stroke [letter] Magni G, et al. **J Neurol Neurosurg Psychiatry** 1984 May;47(5):567-8

Transfer trauma: medicological issues. Hirsh HL. **Med Law** 1984;3(3):217-23

[Determinants of depressive reactions in the aged] Hautzinger M. **Aktuel Gerontol** 1983 Sep;13(5):191-4 (Eng. Abstr.) **(Ger)**

[Late sequelae of severe skull-brain injuries in childhood and adolescence] Remschmidt H. **MMW** 1983 Oct 28; 125(43):963-6 (Eng. Abstr.) **(Ger)**

[Reactive states in patients with traumatic disease of the brain at remote periods] Kornilov AA. **Zh Nevropatol Psikhiatr** 1984;84(4):567-9 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

A holistic approach to family assessments. Fleck S. **Curr Psychiatr Ther** 1983;22:89-98

IMMUNOLOGY

Stressful events, dysphoric mood, and immune responsiveness. Linn MW, et al. **Psychol Rep** 1984 Feb; 54(1):219-22

PHYSIOPATHOLOGY

Depression in the elderly: a beta-adrenergic receptor dysfunction? Burch EA Jr, et al. **Int J Psychiatry Med** 1983-84;13(3):207-13 (22 ref.)

[Rheoencephalographic changes in mental patients with depressive states] Sonnik GT, et al. **Vrach Delo** 1984 May; (5):99-101 (Eng. Abstr.) **(Rus)**

[Clinical evaluation of neuroendocrine tests in the diagnosis of depressive disorders] Cervera S, et al. **Actas Luso Esp Neurol Psiquiatr** 1983 Sep-Oct; 11(5):345-62 **(Spa)**

PREVENTION & CONTROL

'Transfer trauma' as a legal argument against closing a state mental hospital. Nelson SH, et al. **Hosp Community Psychiatry** 1983 Dec;34(12):1160-2

PSYCHOLOGY

Life events occurring before and after onset of depression in a Kenyan setting--any significance? Ndetei DM, et al. **Acta Psychiatr Scand** 1984 Apr;69(4):327-32

Mount Saint Helens's ashfall. Evidence for a disaster stress reaction. Adams PR, et al. **Am Psychol** 1984 Mar; 39(3):252-60

Is incest harmful? [letter] Watters WW. **Can J Psychiatry** 1983 Oct;28(6):501-4

Stress, coping, and depression among married couples. Mitchell RE, et al. **J Abnorm Psychol** 1983 Nov; 92(4):433-48

Reactive and endogenous depressive illness and five-year outcome. Copeland JR. **J Affective Disord** 1984 Apr; 6(2):153-62

Life events and depression. Part 2. Results in diagnostic subgroups, and in relation to the recurrence of depression. Perris H. **J Affective Disord** 1984 Aug;7(1):25-36

Emotional, behavioral, and physiological effects of chronic stress at Three Mile Island. Baum A, et al. **J Consult Clin Psychol** 1983 Aug;51(4):565-72

Levels of functional impairment following a civilian disaster: The Beverly Hills Supper Club fire. Green BL, et al. **J Consult Clin Psychol** 1983 Aug;51(4):573-80

Sex differences in adjustment correlates of locus of control dimensions. Sadowski CJ, et al. **J Pers Assess** 1983 Dec; 47(6):627-31

Emotional impact of diagnosis and early treatment of lymphomas. Lloyd GG, et al. **J Psychosom Res** 1984; 28(2):157-62

Life events and psychological morbidity: the evidence from prospective studies. Tennant C. **Psychol Med** 1983 Aug; 13(3):483-6

Adjustment problems of a group of committed children. Brand HJ, et al. **Psychol Rep** 1984 Apr;54(2):515-8

THERAPY

Treatment of divorcing fathers: social and psychotherapeutic considerations. Jacobs JW. **Am J Psychiatry** 1983 Oct; 140(10):1294-9

A treatment outline for depressive disorders. The Quality Assurance Project. **Aust NZ J Psychiatry** 1983 Jun; 17(2):129-46

Locus of control and cognitive behaviour therapy with mastectomy patients: a pilot study. Tarrier N, et al. **Br J Med Psychol** 1983 Sep;56 (Pt 3):265-70

Handling the emotional response to disaster: the case for American Red Cross/community mental health collaboration. Fraser JR, et al. **Community Ment Health J** 1981 Winter;17(4):255-64

Boy with seriously ill mother manifests somatic complaints, withdrawal, disabling fears. Frances A, et al. **Hosp Community Psychiatry** 1984 May;35(5):439-40

New NIMH Center consolidates disaster research and services. Lystad M, et al. **Hosp Community Psychiatry** 1983 Sep;34(9):789-90

The short-term treatment of depression of physically ill hospital patients. Mailick MD. **Soc Work Health Care** 1984 Spring;9(3):51-61

[Fetishism of duration as a criterion of the effectiveness of psychotherapy. Example of work in a maternal and child welfare center] Berdah S. **Ann Med Psychol (Paris)** 1983 Jun;141(6):645-51 **(Fre)**

[Effectiveness of psychotherapy in current practice in psychiatric consultation] Lalive J. **Ann Med Psychol (Paris)** 1983 Jun;141(6):615-8 **(Fre)**

[Initial experiences with regulative music therapy in psychiatric patients] Reinhardt A, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1983 Oct; 35(10):604-10 (Eng. Abstr.) **(Ger)**

ADJUSTMENT, SOCIAL see **SOCIAL ADJUSTMENT**

ADJUVANTS, IMMUNOLOGIC

Studies on the immunological adjuvant activity of Bordetella bronchiseptica in mice. Magyar T, et al. **Acta Vet Hung** 1983;31(1-3):31-5

Some factors influencing the immunological adjuvant effect of Bordetella bronchiseptica on the immune response to tetanus toxoid. Magyar T, et al. **Acta Vet Hung** 1983; 31(1-3):37-42

Immunomodulation of primary antitoxic-type immunity with inactivated Brucella suspensions. Réthy L, et al. **Acta Vet Hung** 1983;31(1-3):43-9

Preclinical evaluation of lentinan in animal models. Chihara G. **Adv Exp Med Biol** 1983;166:189-97

Immunomodulation by small molecular weight bacterial products. Friedman H. **Adv Exp Med Biol** 1983;166:199-214

Muramyl dipeptides: prospect for cancer treatments and immunostimulation. Kotani S, et al. **Adv Exp Med Biol** 1983;166:117-58

Immunoregulation by lymphokines: immune interferon and lymphotoxin induction of lymphokine activity in human peripheral blood leukocyte cultures. Robbins CH. **Adv Exp Med Biol** 1983;166:37-44

The effect of surface charges of liposomes in immunopotentiation. Latif N, et al. **Biosci Rep** 1984 Feb; 4(2):99-107

Menningococcal antigens (MA): a novel immune stimulant in experimental neoplasia. Teodorczyk-Injeyan JA, et al. **Cancer Immunol Immunother** 1983;15(3):217-20

Synthesis of (N-acetyl-1-O-acylmuramoyl)-L-alanyl-D-isoglutamines and their immunoadjuvant activities. Hasegawa A, et al. **Carbohydr Res** 1983 Nov 11;123(1):63-71

N.m.r. titration of a natural immunoadjuvant, disaccharide-pentapeptide, peptidoglycan monomer and related compounds. Klaić B, et al. **Carbohydr Res** 1983 Nov 11;123(1):168-72

Chemical modification of the C-6 substituent in the carbohydrate moiety of N-acetylmuramoyl-L-alanyl-D-isoglutamine (MDP), and the immunoadjuvant activity. Okumura H, et al. **Carbohydr Res** 1983 Oct 14;122(1):87-98

Liposome facilitated xenogeneic approach for studying human colon cancer immunity: carrier and adjuvant effect of liposomes. Raphael L, et al. **Clin Exp Immunol** 1984 Jan;55(1):1-13

Biological activities of analogues of lipid A based chemically on the revised structural model. Comparison of mediator-inducing, immunomodulating and endotoxic activities. Kanegasaki S, et al. **Eur J Biochem** 1984 Sep 3;143(2):237–42

Further study of biological activities of chemically synthesized analogues of lipid A in artificial membrane vesicles. Yasuda T, et al. **Eur J Biochem** 1984 Apr 16; 140(2):245–8

Interferon as an adjuvant for hepatitis B vaccination in non- and low-responder populations. Grob PJ, et al. **Eur J Clin Microbiol** 1984 Jun;3(3):195–8

Immunostimulatory effect of cis-diamine dichloroplatinum (II). Říhová B, et al. **Immunol Lett** 1984;8(2):57–60

Immunomodulating effects of 13-cis retinoic acid on the IgG and IgM response of BALB/c mice. Barnett JB. **Int Arch Allergy Appl Immunol** 1983;72(3):227–33

Adjuvancy of Cremophor Elo in rodents. Descotes J, et al. **Int Arch Allergy Appl Immunol** 1983;72(3):287–8

Adjuvant requirements for protective immunization of mice using a Trypanosoma cruzi 90K cell surface glycoprotein. Scott MT, et al. **Int Arch Allergy Appl Immunol** 1984; 74(4):373–7

Immunoenhancing effect of flavonoid compounds on lymphocyte proliferation and immunoglobulin synthesis. Brattig NW, et al. **Int J Immunopharmacol** 1984;6(3):205–15

An in vitro study on the effects of isoprinosine on immune responses in cancer patients. Tsang KY, et al. **Int J Immunopharmacol** 1983;5(6):481–90

Methisoprinol and corticosteroids: immunopharmacokinetic assessment. De Simone C, et al. **Int J Tissue React** 1984; 6(1):101–4

Immunomodulatory effect of synthetic branched polypeptides I. Gaál D, et al. **J Biol Response Mod** 1984; 3(2):174–84

Adjuvant activity of muramyldipeptide in a guinea pig model of contact allergy to chromium. Jírová D, et al. **J Hyg Epidemiol Microbiol Immunol** 1983;27(4):395–402

Changes in rabbit febrile responses to muramyl dipeptide (MDP) after coupling to a synthetic carrier. Riveau G, et al. **J Leukocyte Biol** 1984 Aug;36(2):111–22

Characterization of aluminum hydroxide for use as an adjuvant in parenteral vaccines. Hem SL, et al. **J Parenter Sci Technol** 1984 Jan–Feb;38(1):2–10

Comparative study of antitumor activity and immunomodulatory effect of tetrahydro-2-furanyl and tetrahydro-2-pyranyl (1 leads to 3)-beta-D-glucans. Uchida H, et al. **J Pharmacobiodyn** 1983 Sep;6(9):660–7

Immunopharmacologic profiles of a thiol protease inhibitor, L-trans-dicyclohexyl epoxysuccinate. Amamoto T, et al. **Jpn J Pharmacol** 1984 Mar;34(3):335–42

Thymopentin as adjuvant in non-responders or hyporesponders to hepatitis B vaccination [letter] Záruba K, et al. **Lancet** 1983 Nov 26;2(8361):1245

Muramyl peptides: immunomodulators, sleep factors, and vitamins. Adam A, et al. **Med Res Rev** 1984 Apr–Jun; 4(2):111–52 (271 ref.)

Adjuvant activity of Klebsiella O3 lipopolysaccharide: no contribution of proteins to the expression of adjuvant activity. Kato N, et al. **Microbiol Immunol** 1983; 27(12):1043–55

Immunomodulation by Tetrahymena pyriformis. Makioka A, et al. **Microbiol Immunol** 1984;28(4):503–7

Oral adjuvants enhance IgA responses to Streptococcus mutans. Michalek SM, et al. **Mol Immunol** 1983 Sep; 20(9):1009–18

Iscom, a novel structure for antigenic presentation of membrane proteins from enveloped viruses. Morein B, et al. **Nature** 1984 Mar 29–Apr 4;308(5958):457–60

Studies on search for a promising immunopotentiative substance for treatment of leprosy. III. With special reference to an immunomodulative drug CCA, a BCG vaccine and the significance of an improved rabbit red blood cell rosette formation test. Gidoh M, et al. **Nippon Rai Gakkai Zasshi** 1983 Jul–Sep;52(3):165–79

Studies on search for a promising immunopotentiative substance for treatment of leprosy. IV. On several synthesized amphoteric dextrans exhibiting both immunopotentiative and antiexudative actions. Gidoh M, et al. **Nippon Rai Gakkai Zasshi** 1983 Oct–Dec;52(4):200–16

Studies on low-molecular-weight immunomodifiers produced by microorganisms: results of ten years' effort. Umezawa H. **Rev Infect Dis** 1984 May–Jun;6(3):412–20 (34 ref.)

Liposomes as immune adjuvants: T cell dependence. Beatty JD, et al. **Surgery** 1984 Aug;96(2):345–51

Comparison of the immunogenic effects of covalent-bonded immune complexes in mice and sheep. Naysmith JD, et al. **Vet Immunol Immunopathol** 1983 Nov;5(1):105–13

[The effects of surgical intervention and removal of the primary tumor, and the effectiveness of Corynebacterium parvum on metastatic tumor proliferation] Hashimoto O. **Nippon Geka Gakkai Zasshi** 1983 Jul;84(7):577–90 (Eng. Abstr.) **(Jpn)**

[Further study of the role of vitamin A in immunologic reactions (observations in volunteers)] Pletsityl KD, et al. **Vopr Pitan** 1984 Jan–Feb;(1):26–9 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Bronchial reactivity in relation to immune responses in rats after subcutaneous sensitization without adjuvant. Smedegård G, et al. **Allergy** 1984 May;39(4):249–58

Calcium-phosphate-adjuvanted allergens: total and specific IgE levels before and after immunotherapy with house dust and Dermatophagoides pteronyssinus extracts. Ickovic MR, et al. **Ann Immunol (Paris)** 1983 Nov–Dec; 134D(3):385–98

Carrier and adjuvant properties of liposome-borne tumor-specific antigens. LeGrue SJ. **Cancer Immunol Immunother** 1984;17(2):135–41

Immunomodulating properties of two synthetic adjuvants: dependence upon type of antigen, dose, and time of administration. Hilgers LA, et al. **Cell Immunol** 1984 Jul; 86(2):393–401

Changes in natural killer cell, antibody-dependent cell-mediated cytotoxicity and interferon activities with administration of Nocardia rubra cell wall skeleton to subjects with high risk of lung cancer. Yamakido M, et al. **Gann** 1983 Dec;74(6):896–901

Immunostimulatory effect of levamisole in miliary tuberculosis. Singh MM, et al. **Indian J Chest Dis Allied Sci** 1983 Apr–Jun;25(2):91–5

Comparison of immunomodulatory activities in mice and guinea pigs of a synthetic desmuramyl peptidolipid triglymyc. Leclerc CD, et al. **Infect Immun** 1984 Mar; 43(3):870–5

Immune response to porin in cattle immunized with whole cell, outer membrane, and outer membrane protein antigens of Brucella abortus combined with trehalose dimycolate and muramyl dipeptide adjuvants. Winter AJ, et al. **Infect Immun** 1983 Dec;42(3):1159–67

Grass Conjuvac. II. Pro-inflammatory activity and potential for inducing hypersensitivity. Taylor WA, et al. **Int Arch Allergy Appl Immunol** 1984;73(1):38–41

The immunologic and immunotherapeutic sequelae of intraperitoneal BCG. I: The local nature of immunostimulation and the effects of delayed-type hypersensitivity. Roche WR, et al. **Ir J Med Sci** 1983 Aug; 152(8):303–6

Immunostimulation of antitubercular chemotherapy with levamisole in active pulmonary tuberculosis. Singh AN, et al. **J Assoc Physicians India** 1983 Jul;31(7):405–7

In vivo antineoplastic activity of various biological response modifiers for tumors of the ovary and breast. Stratton JA, et al. **J Clin Lab Immunol** 1983 Aug;11(4):181–7

Experimental allergic neuritis: demyelination induced by P2 alone and non-specific enhancement by cerebroside. Hughes RA, et al. **J Neuropathol Exp Neurol** 1984 Mar; 43(2):154–61

Enhanced host resistance to transplantable murine lymphosarcoma in Swiss mice by combined immunostimulation with BCG and polyinosinic-polycytidylic acid. Poduval TB, et al. **JNCI** 1984 Jan;72(1):139–43

Multimodality treatment of malignant glioma. Effect of chemotherapy with ACNU and immunotherapy with N-CWS. Yoshida J, et al. **Neurol Med Chir (Tokyo)** 1984 Jan;24(1):19–26

[Effect of antitoxic serotherapy in animals immunostimulated with suramin] Solomonova K, et al. **Acta Microbiol Bulg** 1983;13:16–9 (Eng. Abstr.) **(Bul)**

[Immunopotentiating effect of a chemotherapeutic agent (Neocarzinostatin). Accumulation of macrophages during intrathecal administration] Kuratsu JI, et al. **Neurol Med Chir (Tokyo)** 1983 Nov;23(11):856–9 (Eng. Abstr.) **(Jpn)**

[Leukocyte migration inhibition (LMI) of murine spleen cells after immunization with tumor cells, and an experimental study with LMI in combination therapy with a non-specific immunostimulant and a chemotherapeutic agent] Umeda T, et al. **Nippon Geka Gakkai Zasshi** 1984 Mar;85(3):206–17 (Eng. Abstr.) **(Jpn)**

[Effect of dekaris on the immunity indices of children with osteomyelitis] Samsygin SA, et al. **Pediatriia** 1984 Feb; (2):16–9 (Eng. Abstr.) **(Rus)**

[Use of thymalin in treating severe forms of inflammatory diseases of the maxillofacial area] Solov'ev MM, et al. **Stomatologiia (Mosk)** 1984 May–Jun;63(3):19–22 (Eng. Abstr.) **(Rus)**

[Effectiveness of levamisole, prodigiozan and diucifon in the treatment of acute pneumonia] Sil'vestrov VP, et al. **Ter Arkh** 1983;55(12):56–61 (Eng. Abstr.) **(Rus)**

[Clinico-immunologic changes in patients with cervical cancer after treatment with thymalin] Dekster LI, et al. **Vopr Onkol** 1984;30(3):29–32 (Eng. Abstr.) **(Rus)**

[Experience with the clinical use of methyluracil, sodium nucleinate and levamisole in the complex treatment of erysipelas] Frolov VM, et al. **Vrach Delo** 1983 Oct; (10):102–6 (11 ref.) (Eng. Abstr.) **(Rus)**

[Multiplication of Mycobacterium tuberculosis in the organs of mice with a single exposure to cyclophosphamide] Vladimirskiĭ MA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 May;(5):67–70 (Eng. Abstr.) **(Rus)**

[The effect of adjuvant substances on the antigenic activity of cellular antirabies vaccine in experiments on cattle] Augustinský V, et al. **Vet Med (Praha)** 1983 Dec; 28(12):717–26 (Eng. Abstr.) **(Slo)**

ADVERSE EFFECTS

Corynebacterium parvum toxicity in patients with limited and advanced malignancy. Hirshaut Y, et al. **Eur J Cancer Clin Oncol** 1984 May;20(5):583–91

Reactogenicity of a malaria merozoite antigen in Aotus monkeys compared with the effects caused by two new adjuvants, CP-20,961 and [B30]-MDP. Peltola H, et al. **Scand J Infect Dis** 1983;15(4):383–9

[Study of immunological suppression induced by combined use of cyclophosphamide and immunopotentiator, with special reference to its adverse effects] Yamamura Y, et al. **Nippon Gan Chiryo Gakkai Shi** 1983 Oct 20; 18(7):1806–14 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Quantitative evaluation of endotoxin in polymicrobial preparation (Polidin) and in subcellular fractions (membrane and ribosomal fractions) of Klebsiella pneumoniae. Grigoraş E, et al. **Arch Roum Pathol Exp Microbiol** 1983 Oct–Dec; 42(4):337–41

The aluminum content of biological products containing aluminum adjuvants: determination by atomic absorption spectrometry. May JC, et al. **J Biol Stand** 1984;12(2):175–83

Radioimmunoassay of the immunomodulator erythro-9-(2-hydroxy-3-nonyl)-hypoxanthine in human serum and urine. Pfadenhauer EH, et al. **J Pharm Sci** 1983 Aug;72(8):914–7

[Antitumor activity and immunostimulating effect of culture filtrate of a marine bacterium, Vibrio anguillarum, in mice] Shimizu T, et al. **Yakugaku Zasshi** 1983 Jul;103(7):761–5 (Eng. Abstr.) **(Jpn)**

CHEMICAL SYNTHESIS

Synthesis and immunoadjuvant activity of N-[2-O-(2-acetamido-2,3,di-deoxy-6-thio-D-glucopyran toy l]-L- alanyl-D-isoglutamine derivatives. Hasegawa A, et al. **Carbohydr Res** 1984 Jul 1;129:271–7

Synthesis and biological activities of N-acetyl-1-thiomuramoyl-L-alanyl-D-isoglutamine and some of its lipophilic derivatives. Hasegawa A, et al. **Carbohydr Res** 1983 Nov 25;123(2):183–99

Preparation of glycoconjugates for use as artificial antigens: a simplified procedure. Pinto BM, et al. **Carbohydr Res** 1983 Dec 23;124(2):313–8

IMMUNOLOGY

The adjuvant effect of peritoneal fluid in experimental peritonitis. Mechanism and clinical implications. Dunn DL, et al. **Ann Surg** 1984 Jan;199(1):37–43

Polyclonal lymphocyte activators: adjuvant activity of a crude extract of Streptococcus faecium. Iannello D, et al. **G Batteriol Virol Immunol** 1982 Jan–Jun;75(1–6):9–15

Early cellular responses in the peritoneal cavity of mice to antitumor immunomodulators. Morikawa K, et al. **Gann** 1984 Apr;75(4):370–8

Adjuvants influence the immunoglobin subclass distribution of immune responses in vivo. Hadjipetrou-Kourounakis L, et al. **Scand J Immunol** 1984 Mar;19(3):219–25

[New immunostimulants of the nature of peptide-proteins] Chipens GI. **Vopr Med Khim** 1984 May–Jun;30(3):37–43 (Eng. Abstr.) **(Rus)**

[Immunoactive peptides] Ivanov VT. **Vopr Med Khim** 1984 May–Jun;30(3):23–31 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Potentiation of tumoricidal properties of murine macrophages by Nocardia rubra cell wall skeleton (N-CWS). Inamura N, et al. **J Antibiot (Tokyo)** 1984 Mar;37(3):244–52

Immunomodulating activities associated with the cytosol fraction of a 3-methylcholanthrene-induced rat fibrosarcoma. San Marco MP, et al. **JNCI** 1984 May; 72(5):1101–11

[Stimulant of antibody producers isolated from the supernatants of cell cultures of normal human bone marrow and in various diseases] Petrov RV, et al. **Biull Eksp Biol Med** 1984 Aug;97(8):213–5 (Eng. Abstr.) **(Rus)**

METABOLISM

Identification of the metabolites of erythro-9-(2-hydroxy-3-nonyl)hypoxanthine from laboratory animals. Pfadenhauer EH, et al. **Drug Metab Dispos** 1984 May–Jun;12(3):280–4

Distribution of radioactivity in rats injected intravenously with 125I-labeled histamine-sensitizing factor of Bordetella pertussis. Endoh M, et al. **Microbiol Immunol** 1984; 28(2):233–6

PHARMACODYNAMICS

Isoprinosine and NPT 15392: immunomodulation and cancer. Simon LN, et al. **Adv Exp Med Biol** 1983;166:241–59

Inhibition of endogenous pyrogen-induced fever by a muramyl dipeptide derivative. Parant M, et al. **Am J Physiol** 1984 Sep;247(3 Pt 1):C169–74

Comparison of Corynebacterium parvum with Freund's complete adjuvant as a potentiator of the immune response to beta-human chorionic gonadotropin linked to tetanus toxoid. Covey DC, et al. **Am J Reprod Immunol** 1984 Apr–May;5(3):114–6

Immunostimulation: synthetic and biological modulators of immunity. Fudenberg HH, et al. **Annu Rev Pharmacol Toxicol** 1984;24:147–74 (113 ref.)

Enhanced killing of Candida albicans by cultured peritoneal exudate cells treated with SM-1213, a synthetic

immunomodulator. Morrison CJ, et al.
Antimicrob Agents Chemother 1984 Jul;26(1):74–7

Effect of the adjuvant dimethyl dioctadecyl ammonium bromide on the humoral and cellular immune responses to encephalomyocarditis virus. Kraaijeveld CA, et al.
Antiviral Res 1983 Sep;3(3):137–49

Immunomodulatory drugs and endogenous spleen colonies (CFC–s). Giełdanowski J.
Arch Immunol Ther Exp (Warsz) 1983;31(3):349–52

Influence of histamine–like drugs and immunomodulators on the spontaneous E rosette formation. Giełdanowski J.
Arch Immunol Ther Exp (Warsz) 1983;31(3):353–5

Immunomodulatory drugs as the stimulators of proliferative process. Giełdanowski J.
Arch Immunol Ther Exp (Warsz) 1983;31(3):345–8

Vaccination of genetically susceptible mice against chronic infection with Nematospiroides dubius using pertussigen as adjuvant. Mitchell GF, et al.
Aust J Exp Biol Med Sci 1983 Aug;61 (Pt 4):425–34

Analysis of interactions between immuno–modulators and mononuclear phagocytes: different modes of tumor cell injury require different forms of macrophage activation. Adams DO, et al. **Behring Inst Mitt** 1984 May;(74):132–9

Chronic bacterial infection models for BRM screening. Dickneite G, et al. **Behring Inst Mitt** 1984 May;(74):174–82

Tumour models for screening immunomodulators: suppression of tumour growth by delayed hypersensitivity reactions. Pimm MV, et al. **Behring Inst Mitt** 1984 May;(74):214–8

Studies on the mechanisms of action of the immunomodulator Bestatin in various screening test systems. Schorlemmer HU, et al. **Behring Inst Mitt** 1984 May;(74):157–73 (20 ref.)

How to find immunomodulators—a look backward and forward. Sedlacek HH. **Behring Inst Mitt** 1984 May;(74):122–31 (51 ref.)

The NCI preclinical screen of biological response modifiers. Talmadge JE, et al. **Behring Inst Mitt** 1984 May;(74):189–94

Natural killer cell cytotoxic potential of patients with ovarian carcinoma and its modulation with virus–modified tumor cell extract. Lotzová E, et al.
Cancer Immunol Immunother 1984;17(2):124–9

Augmentation of antitumor resistance by a strain of unicellular green algae, Chlorella vulgaris. Tanaka K, et al. **Cancer Immunol Immunother** 1984;17(2):90–4

Correlation between strong adjuvanticity of Klebsiella O3 lipopolysaccharide and its ability to induce interleukin–1 secretion. Kido N, et al. **Cell Immunol** 1984 May; 85(2):477–86

Change from inhibition to stimulation by levan of AKR lymphoma following serial transfers. Leibovici J, et al.
Exp Cell Biol 1984;52(4):219–24

Immunopotentiation by a new antitumor polysaccharide, DMG, a degraded D–manno–D–glucan from Microellobosporia grisea culture fluid. Nakajima H, et al. **Gann** 1984 Mar;75(3):260–8

Studies on the adjuvant action of beryllium. II. Systemic effects with particular reference to secretory immunity. Hall JG, et al. **Immunology** 1984 Sep;53(1):115–20

Studies on the adjuvant action of beryllium. I. Effects on individual lymph nodes. Hall JG. **Immunology** 1984 Sep; 53(1):105–13

Induction of DNA polymerase alpha and terminal deoxynucleotidyl transferase in the human lymphoblastoid cell line Molt–4 by the immunomodulator bestatin. Leyhausen G, et al. **Immunopharmacology** 1984 Jun; 7(3–4):151–7

Potentiation of T–lymphocyte function by bleomycin. Parker D, et al. **Immunopharmacology** 1984 Apr;7(2):109–13

The effect of experimental conditions on the assessment of T cell immunomodulation by biological response modifiers (thymosin fraction five). Talmadge JE, et al.
Immunopharmacology 1984 Feb;7(1):17–26

Enhancement by murabutide of the immune response to natural and synthetic hepatitis B surface antigens. Audibert FM, et al. **Infect Immun** 1984 Jul;45(1):261–6

Modulation of myelopoiesis in vivo by synthetic adjuvant–active muramyl peptides: induction of colony–stimulating activity and stimulation of stem cell proliferation. Galelli A, et al. **Infect Immun** 1983 Dec; 42(3):1081–5

Induction of interleukin 1 secretion by adjuvant–active peptidoglycans. Vacheron F, et al. **Infect Immun** 1983 Dec; 42(3):1049–54

Stimulation of non–specific resistance to infections by synthetic immunoregulatory agents. Parant M, et al.
Infection 1984 May–Jun;12(3):230–4

Effects of a crystalline silica on antibody production to T–dependent and T–independent antigens in Balb/c mice. Mancino D, et al. **Int Arch Allergy Appl Immunol** 1984; 73(1):10–3

Modification of post–operative C. albicans sepsis by glucan immunostimulation. Browder IW, et al.
Int J Immunopharmacol 1984;6(1):19–26

The influence of diethyl–dithiocarbamate ('Imuthiol') on mononuclear cells in vitro. Corke CF.
Int J Immunopharmacol 1984;6(3):245–7

Effects of immunological adjuvants on the mouse complement system. I. The inability of the polyanion heparin to act as an adjuvant is paralleled by inefficient alternative complement pathway inhibition. Klerx JP, et al. **Int J Immunopharmacol** 1983;5(6):549–53

Increased sensitivity of IL2–dependent cultured T cells and enhancement of in vitro IL2 production by human lymphocytes treated with Bestatin. Noma T, et al.
Int J Immunopharmacol 1984;6(2):87–92

The immunomodulatory action of inosiplex in relation to its effects in experimental viral infections. Ohnishi H, et al.
Int J Immunopharmacol 1983;5(3):181–96

Correction of an in vitro immunoregulatory defect in atopic subjects by the immunostimulating drug fanetizole mesylate (CP–48,810). Rocklin RE, et al. **Int J Immunopharmacol** 1984;6(1):1–8

Preventive effect of a quinonyl derivative of N–acetylmuramyl dipeptide, QMDP–66, against adriamycin–induced ECG abnormalities in rats. Shimamoto N, et al. **Int J Immunopharmacol** 1983;5(3):245–51

Evaluation of various cytostatic drugs as local immunotherapeutic agents. Scheper RJ, et al.
Invest New Drugs 1984;2(2):221–5

Induction of ornithine decarboxylase, RNA, and protein synthesis in macrophage cell lines stimulated by immunoadjuvants. Prosser FH, et al. **J Cell Physiol** 1984 Jul;120(1):75–82

Cytotoxicity of a cell–reactive immunotoxin containing ricin A chain is potentiated by an anti–immunotoxin containing ricin B chain. Vitetta ES, et al. **J Exp Med** 1984 Jul 1; 160(1):341–6

Studies on the mechanism of the enhancement of delayed–type hypersensitivity by pertussigen. Sewell WA, et al. **J Immunol** 1984 Oct;133(4):1716–22

Role of the thymus in control of autoreactivity or allotolerance in syngeneic and allogeneic bone marrow chimeras treated with bacterial adjuvants. Taniguchi K, et al. **J Immunol** 1984 Oct;133(4):1735–9

Fibronectin enhances macrophage association with invasive forms of Trypanosoma cruzi. Wirth JJ, et al.
J Immunol 1984 Jul;133(1):460–4

Crystallized dextran nanospheres with entrapped antigen and their use as adjuvants. Schröder U, et al.
J Immunol Methods 1984 May 11;70(1):127–32

Comparative investigations of various immunoregulatory substances in the delayed type hypersensitivity test of the mouse. Bicker U, et al. **J Immunopharmacol** 1984; 6(1–2):57–67

Bacterial immunostimulant (Broncho–Vaxom) versus levamisole on the humoral immune response in mice. Bosch A, et al. **J Immunopharmacol** 1983;5(1–2):107–16

Immunomodulating activity of 3–(p–chlorophenyl)thiazolo–[3,2–a] benzimidazole–2–acetic acid (Wy–18,251, NSC 310633) in mice implanted with Lewis lung tumor. Effect of Wy–18,251 on lymphocyte proliferation and phagocytosis. Fenichel RL, et al. **J Immunopharmacol** 1983;5(4):333–40

Prostaglandin E synthesis and release by murine macrophages and human monocytes after in vitro treatment with biological response modifiers. Hartung K, et al.
J Immunopharmacol 1983;5(3):129–46

Mechanism of enhanced humoral response in rodents by a synthetic polymer. Teodorczyk–Injeyan JA, et al.
J Immunopharmacol 1983;5(3):147–72

Macrophage activation by adjuvants in aging mice. Petrequin PR, et al. **J Leukocyte Biol** 1984 Mar;35(3):251–63

Effect of various immunomodulators on the production of granulocyte/macrophage colony–stimulating factor (GM–CSF) in mouse spleen cell cultures. Shimizu M, et al. **J Pharmacobiodyn** 1983 Jun;6(6):415–22

Influence of agents with immunomodulating activity on phagocytosis and bactericidal function of human polymorphonuclear cells. Pruzanski W, et al.
J Rheumatol 1983 Oct;10(5):688–93

Effects of immunostimulants on the in vitro generation of cytotoxic lymphocytes against cervical cancer cell lines. Mashiba H, et al. **Jpn J Exp Med** 1983 Oct;53(5):235–41

Lymphocyte transformation of peripheral blood lymphocytes and plaque forming cells of the spleen and the mesenteric lymph node in suckling piglets with and without immunopotentiators. Namioka S, et al. **Jpn J Vet Res** 1983 Apr;31(2):53–64

Pleurorrhea–inducing activity of the histamine–sensitizing factor of Bordetella pertussis. Endoh M, et al.
Microbiol Immunol 1983;27(11):979–84

Generation of tumorcidal macrophages and direct selective destruction of tumor cells by membrane active adjuvants. Munder PG, et al. **Prog Clin Biol Res** 1983;132B:393–402

The immunopharmacology of synthetic immunomodulators. Wybran J. **Prog Clin Biol Res** 1983;132E:95–103

Immunomodulators and hemopoiesis. Patchen ML.
Surv Immunol Res 1983;2(3):237–42

The antibody–containing cell response in hepatic and intestinal lymph following intraperitoneal and intravenous administration of antigen in different adjuvants. Beh KJ, et al. **Vet Immunol Immunopathol** 1983 Nov;5(1):15–25

Non–specific immunization against bovine tropical theileriosis (Theileria annulata) using killed Corynebacterium parvum. Manickam R, et al.
Vet Parasitol 1983 Sep;13(2):115–9

[Serum levels of IgG and IgA in rabbits immunostimulated with naganol and isoprinosine] Stoev K, et al.
Acta Microbiol Bulg 1984;14:116–9 (Eng. Abstr.) **(Bul)**

[Pharmacological aspects of immunostimulation] Eichelberg D, et al. **Immun Infekt** 1983 Jun;11(4):109–22 (160 ref.) (Eng. Abstr.) **(Ger)**

[Antitumor immunoadjuvants of microbial origin: the limitations in the immune system and microbial structure] Cassone A. **Ann Ist Super Sanita** 1982;18(3):497–500 (10 ref.) (Eng. Abstr.) **(Ita)**

[Immunomodulating action of prostaglandins] Favalli C, et al. **Ann Ist Super Sanita** 1982;18(3):517–20 (Eng. Abstr.) **(Ita)**

[Antitumor immunoadjuvant activity and the immunoregulatory mechanisms of yeasts and their components] Marconi P, et al. **Ann Ist Super Sanita** 1982; 18(3):501–8 (91 ref.) (Eng. Abstr.) **(Ita)**

[Immunostimulant effect of neuramide. Potentiation of lymphocyte proliferation and production of immunoglobulins in vitro] Alberini CM, et al.
G Ital Chemioter 1982 Jul–Dec;29(2):139–44 (Eng. Abstr.) **(Ita)**

[Nonspecific cell–mediated immunity in gastric cancer patients – with special reference to immuno–reactivity of the regional lymph node and preoperative immunotherapy] Takeshita M. **Nippon Geka Gakkai Zasshi** 1983 Aug; 84(8):679–91 (Eng. Abstr.) **(Jpn)**

[Host defense mechanism in experimentally immunocompromised animals and restorative effect of immunopotentiators] Yokota Y.
Nippon Saikingaku Zasshi 1984 Jan;39(1):29–46 (Eng. Abstr.) **(Jpn)**

[Experimental study of some bacterial immunomodulators in murine infection induced with Klebsiella pneumoniae] Voiculescu C, et al. **Rev Ig [Bacteriol]** 1983 Oct–Dec; 28(4):343–50 (Eng. Abstr.) **(Rum)**

[Critical nature of the effect of the degree of polyelectrolyte polymerization on immunostimulating properties] Kabanov VA, et al. **Dokl Akad Nauk SSSR** 1984;274(4):998–1001 **(Rus)**

[Effect of a number of immunostimulating preparations on the intracellular bactericidal systems of peripheral blood neutrophils] Ratnikov VI, et al. **Farmakol Toksikol** 1984 Jan–Feb;47(1):81–4 (Eng. Abstr.) **(Rus)**

[Methodological problems of screening immunotropic agents] Uteshev BS. **Farmakol Toksikol** 1984 May–Jun;47(3):5–13 (Eng. Abstr.) **(Rus)**

[Reaction of the blood system to the administration of a bone marrow mediator stimulating antibody production] Gorizontov PD, et al. **Gematol Transfuziol** 1984 Apr; 29(4):28–31 (Eng. Abstr.) **(Rus)**

[Bone marrow mediators regulating the immune response (myelopeptides)] Petrov RV, et al. **Gematol Transfuziol** 1984 Feb;29(2):43–5 (Eng. Abstr.) **(Rus)**

[Preparation of universal anti–Rh serum using fruglumin] Rakitianskaia AA, et al. **Gematol Transfuziol** 1984 Jun; 29(6):61–2 **(Rus)**

[Effect of thymalin on the thymus and immunologic indices of irradiated animals] Grintsevich II, et al.
Radiobiologiia 1984 Jul–Aug;24(4):537–40 (Eng. Abstr.) **(Rus)**

[Polyvinylpyrrolidone as a stimulator of the immunogenic activity of inactivated influenza vaccine] Bichurina MA, et al. **Tr Inst Pastera** 1982;59:109–12 **(Rus)**

[Use of the passive local hemolysis method for studying the immunostimulating activity of compounds] Maslennikova LK. **Tr Inst Pastera** 1982;59:106–9 **(Rus)**

[Immunostimulating action of certain compounds in an experiment on laboratory animals] Nikitina LE, et al.
Tr Inst Pastera 1982;59:112–6 **(Rus)**

[Changes in the activity of flavoprotein–dependent monooxygenase of immunocompetent cells in the mouse in response to antigens and low–molecular immunomodulators] Golovenko NIa, et al.
Ukr Biokhim Zh 1984 Jan–Feb;56(1):42–6 (Eng. Abstr.) **(Rus)**

[Inosiplex–dependent interferon production in vivo and in vitro] Amitina NN, et al. **Vopr Virusol** 1984 May–Jun; 29(3):310–2 (Eng. Abstr.) **(Rus)**

[Effect of a bone marrow stimulator of antibody producers on virus–specific antibody formation in animals infected with flaviviruses] Petrov RV, et al.
Zh Mikrobiol Epidemiol Immunobiol 1983 Nov;(11):67–71 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Comparative adjuvant activities of Legionella pneumophila and Mycobacterium tuberculosis. McMaster PR, et al.
Int Arch Allergy Appl Immunol 1984;73(4):357–62

THERAPEUTIC USE

Bestatin therapy of patients with atopic dermatitis. Thestrup–Pedersen K, et al.
Acta Derm Venereol (Stockh) 1983;63(6):549–52

Immunomodulation by NPT 15392 in cancer patients under chemotherapy. Favre R, et al. **Adv Exp Med Biol** 1983; 166:261–8

Is there a place for corticosteroids or immune modulation in treating Reiter's syndrome and ankylosing spondylitis? Rosenthal M. **Ann Rheum Dis** 1979;38 Suppl 1:suppl 100–1

Adjuvant immunotherapy of N–[4(5–nitro–2–furyl)–2–thiazolyl]–formamide–induced bladder tumors. Ibraheim EH, et al. **Anticancer Res** 1984 May–Jun;4(3):209–13

Tumor models to investigate the therapeutic efficiency of immunomodulators. Talmadge E, et al.
Behring Inst Mitt 1984 May;(74):219–29

Levamisole as adjuvant to chemotherapy of ovarian cancer. Results of a randomized trial and 4–year follow–up. Khoo

SK, et al. **Cancer** 1984 Sep 15;54(6):986–90

A phase–II trial of Corynebacterium parvum as adjuvant to surgery in the treatment of operable lung cancer. Woodruff M, et al. **Cancer Immunol Immunother** 1983;16(2):114–6

Mammary tumor growth inhibition in C3H/He mice by long–term Bacillus Calmette–Guérin immunoprophylaxis versus enhancement by primary Bacillus Calmette–Guérin therapy. Vaage J. **Cancer Res** 1983 Dec;43(12 Pt 1):5778–82

Antitumor antibiotics and low molecular weight immunomodifiers of microbial origin. Umezawa H. **Cancer Treat Rep** 1984 Jan;68(1):137–44

Coparvax for malignant effusion? **Drug Ther Bull** 1983 Oct 7;21(20):79–80

The effect of BM 12.531 (azimexon) on natural killer cell activity in myeloma patients. Peter HH, et al. **Eur J Cancer Clin Oncol** 1984 Mar;20(3):353–9

Effect of bestatin on syngeneic tumors in mice. Abe F, et al. **Gann** 1984 Jan;75(1):89–94

Immunotherapy of chronic active viral hepatitis B with propionibacterium granulosum. Gil J, et al. **Hepatogastroenterology** 1984 Jun;31(3):109–18

Coordinated therapeutic effects of immune modulators and interferon. Cerutti I, et al. **Infect Immun** 1983 Nov; 42(2):728–32

Antitumor activity of murine tumor necrosis factor (TNF) against transplanted murine tumors and heterotransplanted human tumors in nude mice. Haranaka K, et al. **Int J Cancer** 1984 Aug 15;34(2):263–7

Clinical and immunobiological effects of an orally administered bacterial extract. Maestroni GJ, et al. **Int J Immunopharmacol** 1984;6(2):111–7

The mode of immunopotentiating action of bestatin: enhanced resistance to Listeria monocytogenes infection. Harada Y, et al. **J Antibiot (Tokyo)** 1983 Oct;36(10):1411–4

Immunoactive peptides, FK–156 and FK–565. I. Enhancement of host resistance to microbial infection in mice. Mine Y, et al. **J Antibiot (Tokyo)** 1983 Aug; 36(8):1045–50

Immunoactive peptides, FK–156 and FK–565. III. Enhancement of host defense mechanisms against infection. Mine Y, et al. **J Antibiot (Tokyo)** 1983 Aug;36(8):1059–66

Immunoactive peptides, FK–156 and FK–565. II. Restoration of host resistance to microbial infection in immunosuppressed mice. Yokota Y, et al. **J Antibiot (Tokyo)** 1983 Aug;36(8):1051–8

Successful immunotherapy with intraperitoneal Corynebacterium parvum in a murine ovarian cancer model is associated with the recruitment of tumor–lytic neutrophils into the peritoneal cavity. Lichtenstein AK, et al. **J Immunol** 1984 Jul;133(1):519–26

Treatment of breast carcinoma recurrent after adjuvant chemoimmunotherapy. Rabadi SJ, et al. **J Surg Oncol** 1984 Aug;26(4):233–7

Preliminary clinical experiences with the use of immunomodulators in burns. Donati L, et al. **J Trauma** 1983 Sep;23(9):816–31

Effects of Levamisole in adjuvant immunochemotherapy for gastric cancer; a prospective randomized controlled study. Hattori T, et al. **Jpn J Surg** 1983 Nov;13(6):480–5

Chemically defined immunotherapeutic agents. Hadden JW. **Prog Clin Biol Res** 1983;132E:273–86

Treatment of relapsing chronic infections of the respiratory tract. A comparative study of the effectiveness of non specific immunotherapy with the immunoadjuvant P40 and of vaccinotherapy. Henocq E, et al. **Rev Inst Med Trop Sao Paulo** 1984 Mar–Apr;26(2):105–9

Human monocytes activated by immunomodulators in liposomes lyse herpesvirus–infected but not normal cells. Koff WC, et al. **Science** 1984 Jun 1;224(4652):1007–9

Immunomodulators in the treatment of peritonitis in burned and malnourished animals. Waymack JP, et al. **Surgery** 1984 Aug;96(2):308–14

Prevention of rat colon cancer metastases by perioperative immunostimulation. Weese JL, et al. **Surgery** 1984 Aug; 96(2):420–6

Role of immunomodulation in surgical infections. Browder W. **Surv Immunol Res** 1983;2(3):299–301

Immunomodulation of protozoan diseases. Potential of glucan as an adjuvant. Cook JA, et al. **Surv Immunol Res** 1983; 2(3):243–5

The 'fading puppy complex': an assessment of a paraimmunity inducer as a means of control. Blunden AS. **Vet Rec** 1983 Aug 27;113(9):201

[Role of interferon in experimental viral diseases] German A, et al. **Bull Acad Natl Med (Paris)** 1983 Feb;167(2):163–9 (Eng. Abstr.) (Fre)

[Negative results of a randomized therapeutic trial of nonspecific immunotherapy in primary, surgically–treated non–small cell bronchial cancer] Decroix G, et al. **Rev Mal Respir** 1984;1(1):25–30 (Eng. Abstr.) (Fre)

[Effect of an oral polyvalent bacterial lysate (Broncho–Vaxom) in chronic bronchitis] Keller R, et al. **Prax Klin Pneumol** 1984 Jun;38(6):225–8 (Eng. Abstr.) (Ger)

[Efficacy of the immunostimulant Broncho–Vaxom] Ahrens J, et al. **Schweiz Med Wochenschr** 1984 Jun 23; 114(25):932–4 (Eng. Abstr.) (Ger)

[Multicenter double–blind study of the action of Broncho–Vaxom in chronic bronchitis] Keller R. **Schweiz Med Wochenschr** 1984 Jun 23;114(25):934–7 (Eng. Abstr.) (Ger)

[Clinical and immunobiological action of an orally administered bacterial extract] Losa GA, et al. **Schweiz Med Wochenschr** 1984 Jun 23;114(25):930–2 (Eng. Abstr.) (Ger)

[Efficacy of the paraimmunity inducer PIND–AVI in Rhipicephalus evertsi evertsi infestations in sheep: current perspectives in tick control and the prevention of tick paralysis] Kraiss A, et al. **Zentralbl Veterinarmed [B]** 1984 Feb;31(1):58–63 (Eng. Abstr.) (Ger)

[Further study of immunopotentiation in experimental antiblastic therapy by inactivated yeasts and glucan] Delfina Pesce C, et al. **Ann Ist Super Sanita** 1982; 18(3):509–12 (Eng. Abstr.) (Ita)

[Effect of bestatin on immuno–suppressive acidic protein in patients with stomach cancer] Ishii T, et al. **Gan To Kagaku Ryoho** 1984 Aug;11(8):1585–90 (Eng. Abstr.) (Jpn)

[Phase I study of forphenicinol, a new biological response modifier] Terakado T, et al. **Gan To Kagaku Ryoho** 1983 Nov;10(11):2309–17 (Eng. Abstr.) (Jpn)

[Treatment of tumors of the urinary bladder with so–called immunopotentiators] Tsujimura S, et al. **Hinyokika Kiyo** 1983 Jan;29(1):9–15 (Eng. Abstr.) (Jpn)

[Fundamental and clinical studies on forphenicinol, a small–molecular immunomodulator] Ishibashi T, et al. **Jpn J Antibiot** 1984 Feb;37(2):185–97 (Eng. Abstr.) (Jpn)

[Combination therapy of radiation and immunomodulators in the treatment of MM 46 tumor transplanted in C3H/He mice. Histological and histoenzymatic studies using alpha–naphthyl acetate esterase staining] Miyaji C, et al. **Nippon Gan Chiryo Gakkai Shi** 1983 Dec 20;18(8):2032–8 (Eng. Abstr.) (Jpn)

[Experimental study on active specific immunotherapy utilizing the immune reaction of irradiated tumor tissue. 7. Effect of the cryopreserved immunoreactive cells combined with PSK] Ogawa Y, et al. **Nippon Gan Chiryo Gakkai Shi** 1983 Apr 20;18(3):682–5 (Eng. Abstr.) (Jpn)

[Chemotherapy of malignant gynecological tumor—arterial infusion and biological response modifiers(BRM)] Fujiwara S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1983 Nov; 35(11):2025–30 (Jpn)

[Immunochemical properties and therapeutic usefulness of the preparation Igalina produced by Biomed] Siwińska–Gołębiowska H, et al. **Probl Med Wieku Rozwoj** 1979;8:152–64 (Eng. Abstr.) (Pol)

[Effect of sodium nucleinate on the effectiveness of antibiotic therapy of erysipelas] Frolov VM, et al. **Antibiotiki** 1984 Feb;29(2):132–5 (Eng. Abstr.) (Rus)

[Natural immunostimulants] Nikitin AV, et al. **Antibiotiki** 1983 Sep;28(9):702–16 (128 ref.) (Rus)

[Comparative effectiveness of immunomodulators in the therapy of rheumatic heart defects] Zemskov AM, et al. **Antibiotiki** 1984 Jun;29(6):460–3 (Eng. Abstr.) (Rus)

[Thymalin as a modulator of immunogenesis and hemostasis] Kuznik BI, et al. **Farmakol Toksikol** 1984 Jan–Feb; 47(1):67–71 (Eng. Abstr.) (Rus)

[Treatment with thymalin of severe and recurring forms of viral hepatitis] Kuznik BI, et al. **Klin Med (Mosk)** 1983 Nov;61(11):109–13 (Rus)

[Basic principles of immunocorrective therapy in patients with neurologic manifestations of lumbar osteochondrosis] Latysheva VIa, et al. **Klin Med (Mosk)** 1984 Apr; 62(4):116–20 (Eng. Abstr.) (Rus)

[Methods of immunopharmacologic treatment in infectious–allergic diseases of the eye] Malchuk IuF, et al. **Oftalmol Zh** 1983;38(4):217–20 (Eng. Abstr.) (Rus)

[Effect of nonspecific stimulators on body resistance to tumor growth] Bulbuk GA. **Patol Fiziol Eksp Ter** 1983 Sep–Oct; (5):66–9 (Eng. Abstr.) (Rus)

[Use of immunomodulating preparations in the complex treatment of children with different forms of rheumatism] Chalaia AF. **Pediatriia** 1984 May;(5):43–5 (Eng. Abstr.) (Rus)

[Clinico–experimental basis for using thymalin in osteomyelitis and suppurative–inflammatory diseases of soft tissues in children] Solov'ev MM, et al. **Pediatriia** 1983 Sep;(9):26–9 (Eng. Abstr.) (Rus)

[Immunological disorders and their correction with thymalin in the surgical treatment of patients with 1st and 2nd branchial arch syndromes] Kotov GA, et al. **Stomatologiia (Mosk)** 1984 May–Jun;63(3):43–4 (Eng. Abstr.) (Rus)

[Clinico–immunologic aspects of patients with chronic obstructive bronchitis. Immunomodulating therapy] Martsinovskiĭ VIu, et al. **Ter Arkh** 1983;55(12):61–4 (Eng. Abstr.) (Rus)

[Anti–infection action of synthetic glycopeptides in an experiment on mice] Nikitina LE, et al. **Tr Inst Pastera** 1982;58:62–4 (Rus)

[Immunocorrection in the combined treatment of patients with chronic prostatitis] Rodoman VE, et al. **Vestn Dermatol Venerol** 1983 Sep;(9):69–72 (Eng. Abstr.) (Rus)

[Use of thymalin in trauma patients] Gurevich KIa, et al. **Vestn Khir** 1984 Feb;132(2):52–4 (Eng. Abstr.) (Rus)

[Use of thymalin and kontrikal in the treatment of patients with injuries of the abdominal organs] Salamatin BN, et al. **Vestn Khir** 1983 Sep;131(9):81–5 (Eng. Abstr.) (Rus)

[Immunostimulating effect of interferon inducers] Ershov FI, et al. **Vopr Virusol** 1983 Jul–Aug;28(4):74–9 (Eng. Abstr.) (Rus)

[Use of the immunomodulator thymalin in the treatment of nonspecific ulcerative colitis] Shakhnazarov AA, et al. **Vrach Delo** 1984 Mar;(3):19–22 (Eng. Abstr.) (Rus)

[Prevention of silicosis] Slinchenko NZ, et al. **Vrach Delo** 1983 Dec;(12):93–7 (Rus)

[Use of a thymus polypeptide preparation to diagnose and correct immune deficiency states in multiple sclerosis] Golovkin VI, et al. **Zh Nevropatol Psikhiatr** 1984; 84(2):179–82 (Eng. Abstr.) (Rus)

ADJUVANTS, PHARMACEUTIC

Xylan—a possible filler and disintegrant for tablets. Juslin M, et al. **J Pharm Pharmacol** 1984 Apr;36(4):256–7

Digitonin derivatives of low toxicity: potential solubilizers for lipophilic compounds. Pitha J, et al. **J Pharm Sci** 1984 Feb;73(2):240–3

Caffeine revisited [editorial] Beaver WT. **JAMA** 1984 Apr 6;251(13):1732–3

Caffeine as an analgesic adjuvant. Laska EM, et al. **JAMA** 1984 Apr 6;251(13):1711–8

ADVERSE EFFECTS

[Case of anaphylactic shock presumably caused by a barium preparation] Fujiwara K, et al. **Nippon Naika Gakkai Zasshi** 1983 Jul;72(7):921–4 (Jpn)

PHARMACODYNAMICS

Rectal absorption of lysozyme and heparin in rabbits in the presence of non–surfactant adjuvants. Miyake M, et al. **Chem Pharm Bull (Tokyo)** 1984 May;32(5):2020–5

Effect of pharmaceutical adjuvants on the rectal permeability of drugs. III. Effect of repeated administration and recovery of the permeability. Nakanishi K, et al. **Chem Pharm Bull (Tokyo)** 1983 Nov;31(11):4161–6

Effect of pharmaceutical adjuvants on the rectal permeability to drugs. IV. Effect of pharmaceutical adjuvants on the rectal permeability to macromolecular compounds in the rat. Nakanishi K, et al. **Chem Pharm Bull (Tokyo)** 1984 Apr;32(4):1628–32

Effect of pharmaceutical adjuvants on the rectal permeability of drugs. II. Effect of Tween–type surfactants on the permeability of drugs in the rat rectum. Nakanishi K, et al. **Chem Pharm Bull (Tokyo)** 1983 Sep;31(9):3255–63

Effect of adjuvants on the rectal absorption and lymphatic uptake of pepleomycin in rats. Nishihata T, et al. **J Pharmacobiodyn** 1984 May;7(5):278–85

ADL see ACTIVITIES OF DAILY LIVING

ADMINISTRATION see ORGANIZATION AND ADMINISTRATION

ADMINISTRATION, INTRANASAL

Cascade impactor method for the droplet size characterization of a metered–dose nasal spray. Yu CD, et al. **J Pharm Sci** 1984 Mar;73(3):344–8

Distribution and clearance of radioactive aerosol on the nasal mucosa. McLean JA, et al. **Rhinology** 1984 Mar;22(1):65–75

ADMINISTRATION SCHEDULE, DRUG see DRUG ADMINISTRATION SCHEDULE

ADMINISTRATION, TOPICAL

Complications of TAC [letter] Dronen SC. **Ann Emerg Med** 1983 May;12(5):333

Application technics of topical preparations [letter] Reeves JR. **J Am Acad Dermatol** 1984 Jun;10(6):1071

Drug delivery to local subcutaneous structures following topical administration. Guy RH, et al. **J Pharm Sci** 1983 Dec;72(12):1375–80 (17 ref.)

Selection of the vehicle for topical administration of drugs. Lippold BC. **Pharm Acta Helv** 1984;59(5–6):166–71

METHODS

[Experimental study of drug electrophonophoresis] Mumin AN, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 Nov–Dec;(6):11–5 (Eng. Abstr.) (Rus)

[New variant of electrophoresis] Oranskiĭ IE, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 Nov–Dec; (6):15–8 (Eng. Abstr.) (Rus)

ADMINISTRATIVE PERSONNEL

Update on the medical director concept. Pattee JJ. **Am Fam Physician** 1983 Dec;28(6):129–33

Women in pharmacy management—why not? Nice FJ, et al. **Am Pharm** 1984 Apr;NS24(4):50–5

Program directors in internal medicine: a survey of residency programs. **Ann Intern Med** 1983 Dec;99(6):840–2

An acute intervention trial: the research nurse coordinator's role. Mullin SM, et al. **Controlled Clin Trials** 1984 Jun; 5(2):141–56

Higher education administrators and Section 504. Jacobs JE, et al. **Except Child** 1984 Feb;50(5):463–5

Viewpoint: a triumvirate plus one of deans—a new model for health school administration. Shapiro JP, et al. **Health Care Manage Rev** 1984 Summer;9(3):67–9

Adequacy of administrative support for nursing directors: an exploration. Smith HL, et al. **Health Care Manage Rev** 1983 Fall;8(4):23–32
Life at the State summit: views and experiences of 18 psychiatric leaders. Gaver KD, et al. **Hosp Community Psychiatry** 1984 Mar;35(3):233–8
Nursing administrators to restructure. **Hospitals** 1984 Jul 16; 58(14):82, 84
A survey of nursing service administrators—Part 2. Aydelotte MK. **Hospitals** 1984 Jun 16;58(12):79–80
A survey of nursing service administrators—Part 1. Aydelotte MK. **Hospitals** 1984 Jun 1;58(11):94–100
The impact of collective bargaining on schools of allied health: the role of the academic department head. McTernan EJ. **J Allied Health** 1982 Aug;11(3):200–6
Women in leadership positions: a study of allied health chairpersons. Selker LG, et al. **J Allied Health** 1982 May; 11(2):77–87
Linkages between administrative and clinical dietitians. Zallen EM. **J Am Diet Assoc** 1983 Oct;83(4):415–6
Naltrexone in addicted business executives and physicians. Washton AM, et al. **J Clin Psychiatry** 1984 Sep;45(9 Pt 2):39–41
Dealing with burnout at the administrative level in dental education. Olsen NH. **J Dent Educ** 1984 Feb;48(2):95–7
The quality of deans' letters from medical schools. Yager J, et al. **J Med Educ** 1984 Jun;59(6):471–8
JONA's Semiannual Directory of Consultants to Nursing Administration. **J Nurs Adm** 1984 Feb;14(2):26–57
JONA'S Semiannual Directory of Consultants to Nursing Administration. **J Nurs Adm** 1984 Jul–Aug;14(7–8):40–71
How directors of nursing service use and share the nursing literature. Claus KE, et al. **J Nurs Adm** 1978 Nov; 8(11):17–21
Time management. A reminder. Eliopoulos C. **J Nurs Adm** 1984 Mar;14(3):30–2
Choosing successful managers. Participative selection can help. Ertl N. **J Nurs Adm** 1984 Apr;14(4):27–33
Simultaneous imperatives [editorial] Fralic MF. **J Nurs Adm** 1984 Sep;14(9):9–10
Managing by behavior and results—linking supervisory accountability to effective organizational control. Johnson J, et al. **J Nurs Adm** 1983 Dec;13(12):19–28
Outplacement service for the nurse executive. Kangery R, et al. **J Nurs Adm** 1984 Jul–Aug;14(7–8):11–5
Progressive discipline in nursing. Arbitrators' decisions. Kjervik DK. **J Nurs Adm** 1984 Apr;14(4):34–7
Strategic planning in hospitals. Applications for nurse executives. Lukacs JL. **J Nurs Adm** 1984 Sep;14(9):11–7
Managing the professional nurse. Part I. The organizational theories. McClure ML. **J Nurs Adm** 1984 Feb;14(2):15–21
Managing the professional nurse. Part II. Applying management theory to the challenges. McClure ML. **J Nurs Adm** 1984 Mar;14(3):11–7
The operating room. A complex challenge for the nursing administrator. Mailhot C, et al. **J Nurs Adm** 1984 Apr; 14(4):11–6
The realities of policymaking. Can nurses have an impact? Milio N. **J Nurs Adm** 1984 Mar;14(3):18–23
DRG panic. Nyberg J, et al. **J Nurs Adm** 1984 Apr; 14(4):17–21
The challenge of prospective pricing: work smarter. Olsen SM. **J Nurs Adm** 1984 Apr;14(4):22–6
Negotiating cooperative agreements between health organizations. O'Toole AW, et al. **J Nurs Adm** 1983 Dec; 13(12):33–8
Organizational burnout programs. Patrick PK. **J Nurs Adm** 1984 Jun;14(6):16–21
The employment interview. Avoiding discriminatory questioning. Poteet GW. **J Nurs Adm** 1984 Apr;14(4):38–42
Delegation strategies. A must for the nurse executive. Poteet GW. **J Nurs Adm** 1984 Sep;14(9):18–21
The nurse executive role. A structural and functional analysis. Poulin MA. **J Nurs Adm** 1984 Feb;14(2):9–14
Vice-president of medicine/vice-president of nursing. Collaboration or conflict? Sheedy SG. **J Nurs Adm** 1984 Jun;14(6):38–41
Japanese management. Implications for nursing administration. Smith HL, et al. **J Nurs Adm** 1984 Sep; 14(9):33–9
Executive stress and health. Differences between men and women. Cooper CL, et al. **J Occup Med** 1984 Feb; 26(2):99–104
A study of the high school principal's role in health education. Davis JH. **J Sch Health** 1983 Dec;53(10):610–2
Models in administration and the dean's exercise of power and leadership. Hollshwandner CH. **JNE** 1983 Sep; 22(7):289–91
Meet George Moore, your new executive director. Hodgson PK. **NC Med J** 1984 Jun;45(6):375–7
AIDS and the executive directo. Perspectives in crisis management. Brownstein AP. **Scand J Haematol [Suppl]** 1984;40:561–5
The role of the professional executive director in hemophilia societies. Gurney ET. **Scand J Haematol [Suppl]** 1984; 40:557–9
[The psychiatrist administrator and/or clinician. To be administrator and/or clinician] Desjardins JJ. **Neuropsychiatr Enfance Adolesc** 1983 Oct;31(10):461–9 (Eng. Abstr.) **(Fre)**
[The psychiatrist: administrator and/or clinician. Duality or unicity of technical and administrative functions and roles] Lang JL, et al. **Neuropsychiatr Enfance Adolesc** 1983 Oct; 31(10):447–59 (Eng. Abstr.) **(Fre)**
[The psychiatrist: administrator and/or clinician. Is it to your coachman, sir, or rather to your cook that you wish to speak?] Lucas G. **Neuropsychiatr Enfance Adolesc** 1983 Oct; 31(10):479–84 (Eng. Abstr.) **(Fre)**
[The psychiatrist: administrator and/or clinician. Desire and the law] Tremblais-Dupré T. **Neuropsychiatr Enfance Adolesc** 1983 Oct;31(10):471–7 (Eng. Abstr.) **(Fre)**
[Retirement, psychological well-being and health: longitudinal study of a population of Parisian executives] Poitrenaud J, et al. **Rev Epidemiol Sante Publique** 1983; 31(4):469–82 (Eng. Abstr.) **(Fre)**

EDUCATION

The potential for using cognitive styles as selection predictors for allied health education administration programs. Blagg JD Jr. **J Allied Health** 1984 May;13(2):130–9
Developing prospective managers. Part 1. A unique project. del Bueno DJ, et al. **J Nurs Adm** 1984 Apr;14(4):7–10
Developing prospective managers. Part 3. The results. del Bueno DJ, et al. **J Nurs Adm** 1984 Jun;14(6):23–7
Master's programs preparing nursing administrators. What are the essential components? Price SA. **J Nurs Adm** 1984 Jan;14(1):11–7
Mini-internships: an experience in health-care delivery for community leaders. Crawshaw R, et al. **N Engl J Med** 1983 Oct 20;309(16):992–4
Management training in south-east Asia: experience and perspectives. Micovic P, et al. **WHO Chron** 1983; 37(5):166–8

PSYCHOLOGY

Managing the pharmacy manager. White SJ. **Am J Hosp Pharm** 1984 Mar;41(3):516–21
Operative goals of intercollegiate athletics: perceptions of athletic administrators. Chelladurai P, et al. **Can J Appl Sport Sci** 1984 Mar;9(1):33–41
Decision making in nursing: an analytical approach. Taylor AG. **J Nurs Adm** 1978 Nov;8(11):22–30
Deans in nursing: how do they see their future? Hall BA, et al. **JNE** 1983 Sep;22(7):274–7
The alcoholic's supervisor: another victim in need. Hawthorne WB, et al. **Occup Health Saf** 1983 Oct; 52(10):28–9, 40

SUPPLY & DISTRIBUTION

[Reserve personnel as a replacement force for administrative positions in the medico-epidemiological service] Seliverstov ON, et al. **Gig Sanit** 1984 Jan;(1):66–7 **(Rus)**

TRENDS

Future directions for nursing administration. Poulin MA. **J Nurs Adm** 1984 Mar;14(3):37–41

ADMINISTRATORS see **ADMINISTRATIVE PERSONNEL**

ADMISSION TESTS, ROUTINE see **DIAGNOSTIC TESTS, ROUTINE**

ADMITTING DEPARTMENT, HOSPITAL see under **HOSPITAL DEPARTMENTS**

ADNEXA UTERI

Papillary tumor of the broad ligament. Yamazaki K, et al. **Acta Pathol Jpn** 1983 Sep;33(5):979–84
Ependymoma of the broad ligament. A report of two cases. Bell DA, et al. **Am J Surg Pathol** 1984 Mar;8(3):203–9
A strangulated hernia through the broad ligament causing ureteric obstruction. Bates GJ, et al. **J R Coll Surg Edinb** 1983 Sep;28(5):335
[Tumors of the round ligament of the uterus] Vasilev D, et al. **Akush Ginekol (Sofiia)** 1983;22(5):414–5 (Eng. Abstr.) **(Bul)**

ANALYSIS

[Fundamental and clinical studies on T-1982 (cefbuperazone) in the field of obstetrics and gynecology] Yatsugi K, et al. **Jpn J Antibiot** 1983 May;36(5):932–8 (Eng. Abstr.) **(Jpn)**

BLOOD SUPPLY

Mesosalpingeal vessel ligation for conservative treatment of ectopic pregnancy. Schinfeld JS, et al. **J Reprod Med** 1983 Dec;28(12):823–6

DRUG EFFECTS

Beta-adrenoceptor stimulants and mesovarian leiomyomas in the rat. Jack D, et al. **Toxicology** 1983 Jul–Aug; 27(3–4):315–20

PATHOLOGY

[Method for recording the parametrical situation in cases of carcinoma of the cervix uteri] Bernaschek G, et al. **Geburtshilfe Frauenheilkd** 1983 Aug;43(8):498–500 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

CT of the normal and abnormal parametria in cervical cancer. Vick CW, et al. **AJR** 1984 Sep;143(3):597–603

SURGERY

Surgical alteration of the mesosalpinx and its influence upon ovarian ovulatory function in the rabbit. Verhoeven HC, et al. **Am J Obstet Gynecol** 1983 Dec 1;147(7):825–30
[Vaginal hysterectomy with bilateral adnexectomy] Hohlweg-Majert P, et al. **Fortschr Med** 1984 Feb 23; 102(8):183–5 (Eng. Abstr.) **(Ger)**
[Fixation of the stump of the cervix uteri using the round ligament] Sidorenko IuS, et al. **Akush Ginekol (Mosk)** 1984 May;(5):65–6 **(Rus)**

ADNEXAL DISEASES

COMPLICATIONS

Testicular feminisation and a pelvic mass: case report of an unusual presentation. Dalrymple JC, et al. **Asia Oceania J Obstet Gynaecol** 1984 Jun;10(2):159–61
A strangulated hernia through the broad ligament causing ureteric obstruction. Bates GJ, et al. **J R Coll Surg Edinb** 1983 Sep;28(5):335

DIAGNOSIS

Grey scale ultrasonography in diagnosis of pelvic mass and early ovarian carcinoma. Xu L, et al. **Chin Med J [Engl]** 1983 Nov;96(11):829–34
Uterus didelphys. Ultrasound diagnosis in the case of an adnexal mass as a presenting symptom in early pregnancy. Hochner-Celnikier D, et al. **Eur J Obstet Gynecol Reprod Biol** 1984 Jan;16(5):339–42
Calcific pelvic lymphadenopathy presenting as a postmenopausal adnexal mass. A case report. Barter JF, et al. **J Reprod Med** 1984 Mar;29(3):209–10
Laparoscopic, gynecographic and ultrasonographic vs. clinical evaluation of a pelvic mass. el-Minawi MF, et al. **J Reprod Med** 1984 Mar;29(3):197–9
Bilateral torsion of the adnexa: a case report and a review of the world literature. Dunnihoo DR, et al. **Obstet Gynecol** 1984 Sep;64(3 Suppl):55S–59S (19 ref.)
[Rare manifestation of an Echinococcus cyst in the female genital tract] Kremer S, et al. **Geburtshilfe Frauenheilkd** 1983 Aug;43(8):505–8 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Actinomycosis revisited—pelvic actinomycosis associated with the intrauterine device. Harris LF, et al. **Ala Med** 1984 May;53(11):29–30
Donovanosis affecting cervix, uterus, and adnexae. Sengupta SK, et al. **Am J Trop Med Hyg** 1984 Jul;33(4):632–6
Transacetabular herniation of small bowel and right adnexa. An unusual complication of hip arthroplasty. Gore RM, et al. **JAMA** 1983 Nov 4;250(17):2349–50
[Changes in the organs of the lesser pelvis in women employed in dairy cattle breeding farms in the light of the ergonomic evaluation of their work place] Adamski S. **Ann Acad Med Stetin** 1983;29:357–70 (8 ref.) (Eng. Abstr.) **(Pol)**

PATHOLOGY

Spontaneous amputation of the adnexae. A rare cause of prepubertal pelvic mass. Chalas E, et al. **NY State J Med** 1984 Apr;84(4):194–5
[Tumors of the round ligament of the uterus] Vasilev D, et al. **Akush Ginekol (Sofiia)** 1983;22(5):414–5 (Eng. Abstr.) **(Bul)**

PHYSIOPATHOLOGY

[Urinary and endocrine system functions in patients with benign tumors of the uterus and adnexa] Adamian LV, et al. **Akush Ginekol (Mosk)** 1984 Apr;(4):19–22 (Eng. Abstr.) **(Rus)**

SURGERY

Reduction of postoperative pelvic adhesions with intraperitoneal 32% dextran 70: a prospective, randomized clinical trial. **Fertil Steril** 1983 Nov;40(5):612–9
Clinical outcome for the female adnexal tumor of probable wolffian origin. Rorat E, et al. **Int J Gynaecol Obstet** 1983 Oct;21(5):409–12
[Repeated abdominal gynecological operations] Sward J, et al. **Wiad Lek** 1983 Oct 15;36(20):1695–701 (Eng. Abstr.) **(Pol)**

THERAPY

[Comparative studies of the effect of an interference current and microwaves in tubal and adnexal sterility] Nikolova L. **Akush Ginekol (Sofiia)** 1984;23(2):158–61 (Eng. Abstr.) **(Bul)**

ADNEXITIS

Acute pelvic inflammatory disease. Eschenbach DA. **Urol Clin North Am** 1984 Feb;11(1):65–81 (54 ref.)
[A new look at severe pelvic inflammation] Koleta F. **Cesk Gynekol** 1984 May;49(4):268–76 (67 ref.) **(Cze)**

COMPLICATIONS

Etiology of infertility in monkeys with endometriosis: luteinized unruptured follicles, luteal phase defects, pelvic adhesions, and spontaneous abortions. Schenken RS, et al. **Fertil Steril** 1984 Jan;41(1):122–30

Surgical correction of sequelae of pelvic inflammatory disease. Gomel V. **J Reprod Med** 1983 Oct;28(10 Suppl):718–26

Operative and conservative treatment of tubo-ovarian abscess due to pelvic inflammatory disease. Roberts W, et al. **South Med J** 1984 Jul;77(7):860–3

[Oncological aspects of inflammatory pyosaccular formations of the adnexa uteri] Marushenko VI, et al. **Akush Ginekol (Mosk)** 1984 Apr;(4):57–8 **(Rus)**

DIAGNOSIS

Laparoscopic diagnosis of acute pelvic inflammatory disease. Allen LA, et al. **Br J Obstet Gynaecol** 1983 Oct; 90(10):966–8

A young woman with pleuritic right upper quadrant pain. Shannon M. **Hosp Pract [Off]** 1984 Jun;19(6):171–3

Laparoscopy in suspected pelvic inflammatory disease. Belsky DH. **J Am Osteopath Assoc** 1984 Apr;83(8):582–4

Acute pelvic inflammatory disease: follow-up in laparoscopically confirmed cases. Spirtos NJ, et al. **J Am Osteopath Assoc** 1983 Dec;83(4):297–300

Benign hepatic adenoma associated with oral contraceptive use mimicking pelvic inflammatory disease. A case report. Jenks JE, et al. **J Reprod Med** 1984 Mar;29(3):200–3

Clinical manifestations and diagnosis of pelvic inflammatory disease. Weström L. **J Reprod Med** 1983 Oct;28(10 Suppl):703–8

Risk of acquiring gonorrhea and prevalence of abnormal adnexal findings among women recently exposed to gonorrhea. Platt R, et al. **JAMA** 1983 Dec 16; 250(23):3205–9

Pelvic inflammatory disease: sonographic-pathologic correlation. Swayne LC, et al. **Radiology** 1984 Jun; 151(3):751–5

Diagnostic laparoscopy and management of patients with confirmed acute pelvic inflammatory disease. Allen LA, et al. **S Afr Med J** 1984 Feb 11;65(6):201–2

Enzyme immunoassay for serum antibody to Mycoplasma hominis in women with acute pelvic inflammatory disease. Miettinen A, et al. **Sex Transm Dis** 1983 Oct–Dec;10(4 Suppl):289–93

An assessment of the value of the menstrual history in differentiating acute appendicitis from pelvic inflammatory disease. Robinson JA, et al. **Surg Gynecol Obstet** 1984 Aug; 159(2):149–52

[Actinomycotic infection of endometriosis caused by intrauterine contraception] Reuleaux H, et al. **Zentralbl Gynakol** 1983;105(18):1181–8 (Eng. Abstr.) **(Ger)**

[Use of celioscopy in the etiological diagnosis of pelvic inflammatory diseases due to aerobic and anaerobic germs] Marino L, et al. **Minerva Ginecol** 1984 Jun;36(6):343–7 (Eng. Abstr.) **(Ita)**

[Immune rosette formation in the differential diagnosis of tuberculosis of the female genitalia] Agzamov RA, et al. **Akush Ginekol (Mosk)** 1983 Sep;(9):69–70 (11 ref.) **(Rus)**

[Differential diagnosis of chronic salpingo-oophoritis in adolescents] Avetisova KR, et al. **Akush Ginekol (Mosk)** 1983 Sep;(9):50–2 (4 ref.) (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Therapy for acute pelvic inflammatory disease: a critique of recent treatment trials. Brunham RC. **Am J Obstet Gynecol** 1984 Feb 1;148(3):235–40

Efficacy of ampicillin and cefoxitin in the treatment of acute pelvic inflammatory disease. A comparative study. de Beer JA, et al. **S Afr Med J** 1983 Oct 29;64(19):733–6

[Combined traditional Chinese medicine and western medicine in the treatment of inflammatory diseases in gynecology] Yu ZJ. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Apr;4(4):231–3 **(Chi)**

[Clinical studies on T-1982 (cefbuperazone) in the field of obstetrics and gynecology] Chimura T, et al. **Jpn J Antibiot** 1983 May;36(5):925–31 (Eng. Abstr.) **(Jpn)**

[Clinical study on T-1982 (cefbuperazone) in the field of obstetrics and gynecology] Hori S, et al. **Jpn J Antibiot** 1983 May;36(5):976–81 (Eng. Abstr.) **(Jpn)**

[Therapeutic effect of T-1982 (cefbuperazone) on the gynecologic infectious diseases] Kuwabara S, et al. **Jpn J Antibiot** 1983 May;36(5):994–1004 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Pelvic inflammatory disease and Actinomyces [letter] Bhardwaj G. **Am J Obstet Gynecol** 1984 Jul 15;149(6):697

On the causation of pelvic inflammatory disease. Keith LG, et al. **Am J Obstet Gynecol** 1984 May 15;149(2):215–24 (70 ref.)

Risks of intrauterine contraceptive devices [letter] **Br Med J [Clin Res]** 1984 Jun 23;288(6434):1919

Pelvic infection: a comparison of the Dalkon shield and three other intrauterine devices. Snowden R, et al. **Br Med J [Clin Res]** 1984 May 26;288(6430):1570–3

Risk of PID 5x greater from Dalkon Shield than from other IUDs. **Fam Plann Perspect** 1983 Sep–Oct;15(5):225–6

Removal of Dalkon shield. **FDA Drug Bull** 1983 Aug;13(2):14

Patterns of adnexal inflammatory damage: Chlamydia, the intrauterine device, and history of pelvic inflammatory disease. Gibson M, et al. **Fertil Steril** 1984 Jan;41(1):47–51

Alternative causes of pelvic inflammatory disease. Toth A. **J Reprod Med** 1983 Oct;28(10 Suppl):699–702

Intrauterine devices and pelvic inflammatory disease [letter] Edelman DA, et al. **JAMA** 1984 Mar 9;251(10):1278–9

Serological evidence implicating Mycoplasma genitalium in pelvic inflammatory disease. Møller BR, et al. **Lancet** 1984 May 19;1(8386):1102–3

Pelvic inflammatory disease and the Dalkon Shield [letter] Edelman DA, et al. **Obstet Gynecol** 1984 Aug; 64(2):297–300

[Risks of the IUD for young women] Dukkers van Emden DM, et al. **Ned Tijdschr Geneeskd** 1984 Jul 7;128(27):1272–6 (Eng. Abstr.) **(Dut)**

[Pelvic inflammatory disease caused by Actinomyces in a woman with an IUD] Romanelli R, et al. **Minerva Ginecol** 1984 May;36(5):239–43 (Eng. Abstr.) **(Ita)**

IMMUNOLOGY

[Immunomorphologic characteristics of patients after surgery for chronic suppurative salpingo-oophoritis] Franchuk AE. **Akush Ginekol (Mosk)** 1983 Sep;(9):68–9 (5 ref.) **(Rus)**

METABOLISM

Peritoneal fluid prostaglandins and prostanoids in women with endometriosis, chronic pelvic inflammatory disease, and pelvic pain. Dawood MY, et al. **Am J Obstet Gynecol** 1984 Feb 15;148(4):391–5

MICROBIOLOGY

Draining inguinal ulcer in a middle-aged woman [clinical conference] **Am J Med** 1984 Sep;77(3):537–44

Antibiotic susceptibilities and auxotypes of Neisseria gonorrhoeae strains from women with pelvic inflammatory disease or uncomplicated infections. Jacques M, et al. **Antimicrob Agents Chemother** 1983 Dec;24(6):952–4

Mycoplasmal PID: a review of natural and experimental infections. Mårdh PA. **Yale J Biol Med** 1983 Sep–Dec; 56(5–6):529–36 (50 ref.)

[Adherence of Staphylococcus epidermidis, Escherichia coli and Corynebacterium vaginale to vaginal epithelial cells of healthy women and patients with chronic inflammation of the adnexa] Mikulíková L, et al. **Cesk Gynekol** 1984 Jun;49(5):329–33 (Eng. Abstr.) **(Cze)**

[Microbiologic study of celioscopic swabs in adnexitis and tubal sterility. Isolation of Chlamydia trachomatis and mycoplasmas] Henry-Suchet J, et al. **Rev Int Trach Pathol Ocul Trop Subtrop Sante Publique** 1982;(2–3):175–92 (Eng. Abstr.) **(Fre)**

[Microbial populations in IUDs removed from women with pelvic inflammatory disease] Balbi C, et al. **Arch Ostet Ginecol** 1982 Sep–Dec;87(5–6):159–66 (Eng. Abstr.) **(Ita)**

NURSING

Pelvic inflammatory disease: a review of therapy. Loucks A. **Nurse Pract** 1983 Oct;8(9):13–19, 23

OCCURRENCE

Pelvic inflammatory disease. Trends in Indiana. Barrett CL, et al. **Indiana Med** 1984 Mar;77(3):174–6

Adolescent and adult females with pelvic inflammatory disease in an ambulatory setting. Schaff EA. **J Adolesc Health Care** 1983 Dec;4(4):251–6

Recent developments in gonorrhea and pelvic inflammatory disease. Handsfield HH. **J Med** 1983;14(4):281–305 (27 ref.)

Hospitalizations for pelvic inflammatory disease. Epidemiology and trends in the United States, 1975 to 1981. Washington AE, et al. **JAMA** 1984 May 18;251(19):2529–33

Pelvic inflammatory disease: incidence and trends in private practice. Blount JH, et al. **MMWR CDC Surveill Summ** 1983;32(4):27SS–34SS

Factors that might influence the outcome of studies on the aetiology and epidemiology of acute pelvic inflammatory disease. Mardh PA, et al. **Scand J Gastroenterol [Suppl]** 1984;91:73–86 (57 ref.)

[Pelvic inflammatory disease in private practice. An indirect estimation of the importance of the phenomenon in the French population] Colvez A, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1983;12(4):331–7 (Eng. Abstr.) **(Fre)**

PREVENTION & CONTROL

Vaginal cleansing at vacuum aspiration abortion does not reduce the risk of postoperative infection. Lundh C, et al. **Acta Obstet Gynecol Scand** 1983;62(3):275–7

Prevention of acute pelvic inflammatory disease after hysterosalpingography: efficacy of doxycycline prophylaxis. Pittaway DE, et al. **Am J Obstet Gynecol** 1983 Nov 15;147(6):623–6

An assessment of pre-operative microbial screening on the prevention of post-abortion pelvic inflammatory disease. Mills AM. **Br J Obstet Gynaecol** 1984 Feb;91(2):182–6

RADIOGRAPHY

Computed tomographic study of chronic nonspecific inflammatory adnexal masses. Al Ahwani S, et al. **J Belge Radiol** 1984;67(1):1–5

RADIOTHERAPY

[Our experience with microwave therapy in various gynecologic inflammatory diseases] Dikova K. **Akush Ginekol (Sofiia)** 1984;23(3):249–52 (Eng. Abstr.) **(Bul)**

SURGERY

Extent of surgery for pelvic inflammatory disease in relation to duration of intrauterine device use. Stadel BV, et al. **Obstet Gynecol** 1984 Feb;63(2):171–8

THERAPY

[Comparative results of balneotherapy with mineral water from the Vlasa and Chepino springs in Velingrad in women with nonspecific inflammatory gynecologic diseases and sterility] Maslarova Z. **Akush Ginekol (Sofiia)** 1984; 23(2):151–4 (Eng. Abstr.) **(Bul)**

[Efficacy of using mineral water from 'Chepino' spring, Velingrad, alone and in combination with vibration therapy in the treatment of chronic nonspecific inflammatory gynecologic diseases and sterility in women] Maslarova Z. **Akush Ginekol (Sofiia)** 1984;23(3):245–8 (Eng. Abstr.) **(Bul)**

[Use of ultraviolet-irradiated autoblood to treat inflammatory diseases of the female genital organs] Grishenko VI, et al. **Akush Ginekol (Mosk)** 1983 Sep;(9):52–5 (4 ref.) (Eng. Abstr.) **(Rus)**

[Use of a weak acoustic-frequency magnetic field in the complex treatment of diseases of the internal genital organs of women] Mel'nikova MM, et al. **Akush Ginekol (Mosk)** 1983 Sep;(9):55–7 (10 ref.) (Eng. Abstr.) **(Rus)**

[Effect of vibration massage on the immunologic reactivity of gynecologic patients] Mikhailov VD, et al. **Akush Ginekol (Mosk)** 1983 Sep;(9):58–61 (5 ref.) (Eng. Abstr.) **(Rus)**

[Vibration massage of pain points on the skin in treating chronic adnexal inflammation] Iudinskikh SV, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 May-Jun; (3):41–3 (Eng. Abstr.) **(Rus)**

ADOBIOL see under **PROPANOLAMINES**

ADOLESCENCE

Riboflavin, self-report, and serum norethindrone. Comparison of their use as indicators of adolescent compliance with oral contraceptives. Jay S, et al. **Am J Dis Child** 1984 Jan;138(1):70–3

Patterns of TW-1 and TW-2 skeletal age differences in 12–19-year-old Belgian boys. Beunen G, et al. **Ann Hum Biol** 1983 Sep–Oct;10(5):479–82

Interrelationships among certain measures of growth and maturation rate in boys during adolescence. Bielicki T, et al. **Ann Hum Biol** 1984 May–Jun;11(3):201–10

The final phase of growth in height. Hulanicka B, et al. **Ann Hum Biol** 1983 Sep–Oct;10(5):429–33

Rectal examination in adolescent males [letter] Yaffe ME. **Ann Intern Med** 1983 Oct;99(4):574

Complications of chronic glue (toluene) abuse in adolescents. Devathasan G, et al. **Aust NZ J Med** 1984 Feb;14(1):39–43

Major influences on median energy and nutrient intakes among teenagers: a Tasmanian survey. Woodward DR. **Br J Nutr** 1984 Jul;52(1):21–32

Life changes. Leaving school. Brown AL. **Br Med J [Clin Res]** 1984 Jun 23;288(6434):1884–6

Puberty. Howe C, et al. **Br Med J [Clin Res]** 1984 Jun 16; 288(6433):1809–11

Contraception in adolescence: a review. 1. Psychosocial aspects. Hofmann AD. **Bull WHO** 1984;62(1):151–62 (92 ref.)

Adolescent nutrition: 6. Fast foods, food fads and the educational challenge. **Can Med Assoc J** 1983 Oct 1; 129(7):692–5

Menstruation and its disorders in adolescence. Greydanus DE, et al. **Curr Probl Pediatr** 1982 Aug;12(10):1–61 (35 ref.)

Age changes in motor skills during childhood and adolescence. Branta C, et al. **Exerc Sport Sci Rev** 1984; 12:467–520

Contraceptive continuation among adolescents attending family planning clinics. Furstenberg FF Jr, et al. **Fam Plann Perspect** 1983 Sep–Oct;15(5):211–4, 216–7

Private physicians and the provision of contraceptives to adolescents. Orr MT. **Fam Plann Perspect** 1984 Mar–Apr; 16(2):83–6

Ovaries and menstrual cycles in adolescence. Venturoli S, et al. **Gynecol Obstet Invest** 1984;17(4):219–22

Times and mores exact morbid toll from youth [news] **Hosp Pract** 1983 Dec;18(12):80E, 80J, 80M, passim

Changes in triceps and subscapular skinfold thickness during adolescence. Cronk CE, et al. **Hum Biol** 1983 Sep; 55(3):707–21

Adolescent growth patterns in a northern Italian community. Kramer PL. **Hum Biol** 1983 Sep;55(3):687–706

Anthropometric characteristics of elite adolescent

competitive swimmers. Thorland WG, et al. **Hum Biol** 1983 Dec;55(4):735–48

Physical growth characteristics in adolescent girls of upper socio–economic group in Varanasi. Pereira P, et al. **Indian J Med Res** 1983 Jun;77:839–44

A developmental :nodel for teen–age parent education. Catrone C, et al. **J Sch Health** 1984 Feb;54(2):63–6

Family planning needs of adolescents. Lane C, et al. **JOGN Nurs** 1984 Mar–Apr;13(2 Suppl):61s–65s

Health care for adolescents. Court JM. **Med J Aust** 1984 Jun 9;140(12):696–7

When minors seek medical treatment on their own behalf. Drews KM. **Med Law** 1983;2(3):209–20 (33 ref.)

Rabbinic comment: The rights of adolescents. Feldman DM. **Mt Sinai J Med (NY)** 1984 Jan–Feb;51(1):49–51

The rights of adolescents in a medical setting. Young JG. **Mt Sinai J Med (NY)** 1984 Jan–Feb;51(1):42–8

Preventing adolescent drug abuse. Intervention strategies. **Natl Inst Drug Abuse Res Monogr Ser** 1983;47:1–255

The nurse practitioner's role in adolescent health care. Poole AL, et al. **Nurse Pract** 1983 Oct;8(9):43–7, 54

Circadian rhythms of blood minerals during adolescence. Markowitz ME, et al. **Pediatr Res** 1984 May;18(5):456–62

Chlamydia trachomatis infection in sexually active adolescents: prevalence and risk factors. Chacko MR, et al. **Pediatrics** 1984 Jun;73(6):836–40

Contraception for adolescents. Broome M. **Practitioner** 1984 May;228(1391):493–8

Trends in adolescent development in the People's Republic of China. Goldfield N. **Soc Sci Med** 1984;18(1):21–6

The adolescent and health services. **WHO Offset Publ** 1983; (77):21–3

The adolescent and health service research. **WHO Offset Publ** 1983;(77):25–42

The adolescent and health needs. **WHO Offset Publ** 1983; (77):16–20

Adolescent reproductive health. An approach to planning health service research. Overview. **WHO Offset Publ** 1983; (77):9–15

Specific research programmes in Sri Lanka and Malaysia. **WHO Offset Publ** 1983;(77):43–7

Adolescent reproductive health. An approach to planning health service research. Introduction. **WHO Offset Publ** 1983;(77):7–8

Adolescent reproductive health. An approach to planning health service research. Introduction. Friedman HL, et al. **WHO Offset Publ** 1983;(77):1–53

Health care of the female adolescent. **Women Health** 1984 Summer–Fall;9(2–3):1–141

The challenge of providing health care to adolescents. Coupey SM. **Women Health** 1984 Summer–Fall;9(2–3):1–14

Nutritional needs of the female adolescent. Morgan BL. **Women Health** 1984 Summer–Fall;9(2–3):15–28

[Familial phobic rituals, methods of defense against an imagined adolescence] Pouches H, et al. **Neuropsychiatr Enfance Adolesc** 1983 Aug–Sep; 31(8–9):435–6 **(Fre)**

[The role of socioeconomic conditions in the diet of school–age children] Cocchioni M, et al. **Nuovi Ann Ig Microbiol** 1982 Mar–Jun;33(2–3):449–68 (Eng. Abstr.) **(Ita)**

[Gynecologic examinations in puberty and adolescence] Iwasaki H. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 May; 36(5):815–9 **(Jpn)**

[Influence of social class on dietary habits of Warsaw's adolescents during partial food rationing in 1981] Kirschner H, et al. **Rocz Panstw Zakl Hig** 1983;34(4):325–33 (Eng. Abstr.) **(Pol)**

[Nutritional value of the daily rations of adolescents living in boarding schools] Nadolna I, et al. **Rocz Panstw Zakl Hig** 1983;34(5–6):457–63 (Eng. Abstr.) **(Pol)**

[Nutritive value of the daily diets of adolescents living in boarding schools. V. Vitamin C content] Nadolna I, et al. **Rocz Panstw Zakl Hig** 1983;34(4):335–40 (Eng. Abstr.) **(Pol)**

[Nutritive value of the daily diet of adolescents living in boarding schools. IV. Vitamin A, beta–carotene and alpha–tocopherol contents] Secomska B, et al. **Rocz Panstw Zakl Hig** 1983;34(3):251–6 (Eng. Abstr.) **(Pol)**

[Characteristics of the mortality of Brazilian adolescents of the capitals of federated areas] Yunes J, et al. **Rev Saude Publica** 1983 Aug;17(4):263–78 (Eng. Abstr.) **(Por)**

[The nutritional ascorbic acid and niacin status in adolescents] Dobre V, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Apr–Jun;87(2):237–9 (Eng. Abstr.) **(Rum)**

[Changes in the functional state of adolescents during training in tractor operations] Kharevich TV. **Gig Sanit** 1984 Jan; (1):76–7 **(Rus)**

[Characteristics of obesity in adolescent girls] Kniazev IuA, et al. **Pediatriia** 1983 Aug;(8):55–7 **(Rus)**

[Physical growth during adolescence] Hernández M, et al. **An Esp Pediatr** 1983 Sep;19 Suppl 18:91–9 (Eng. Abstr.) **(Spa)**

ADOLESCENT BEHAVIOR

Antecedents, subjective expected utility, and behavior: a panel study of adolescent cigarette smoking. Bauman KE, et al. **Addict Behav** 1984;9(2):121–36

Maltreatment of adolescents: the relationship to a predisposition toward violent behavior and delinquency. Paperny DM, et al. **Adolescence** 1983 Fall;18(71):499–506 (30 ref.)

High school smoking prevention: the relative efficacy of varied treatments and instructors. Perry CL, et al. **Adolescence** 1983 Fall;18(71):561–6

Drugs, drinking, and adolescence. Macdonald DI. **Am J Dis Child** 1984 Feb;138(2):117–25 (67 ref.)

Psychoactive drug use during adolescence: the pediatrician's role [letter] Schwartz RH. **Am J Dis Child** 1984 Feb; 138(2):205

Cervical intraepithelial neoplasia in sexually active teenagers [letter] Evrard JR. **Am J Obstet Gynecol** 1984 Aug 1; 149(7):808–9

On homicide in children and adolescents [letter] Goldenring JM. **Am J Public Health** 1984 Jun;74(6):623–4

Peer pressure and risk–taking behaviors in children. Lewis CE, et al. **Am J Public Health** 1984 Jun;74(6):580–4

The natural history of adolescent drug use [editorial] Robins LN. **Am J Public Health** 1984 Jul;74(7):656–7

The meaning of risk taking behaviour. McDonald A. **Aust Fam Physician** 1984 Jan;13(1):42–4

'Schools for criminals'. Smith R. **Br Med J [Clin Res]** 1984 Mar 3;288(6418):706–9

Juvenile firesetting: building a community–based prevention program. Baizerman M, et al. **Child Today** 1984 May–Jun; 13(3):8–12

Pseudocyesis in an adolescent patient. Case report and radiologic analysis. Rosenberg HK, et al. **Clin Pediatr (Phila)** 1983 Oct;22(10):708–12

First intercourse among young Americans. Zelnik M, et al. **Fam Plann Perspect** 1983 Mar–Apr;15(2):64–70

Parenting, protecting, preserving: mission of the adolescent female runaway. Mirkin MP, et al. **Fam Process** 1984 Mar; 23(1):63–74

Cigarette smoking among Beijing (Peking) high schoolers. Ye GS, et al. **Hygie** 1983 Jul;2(2):21–5

The effect of perceived neighborhood setting on self–reported tobacco, alcohol, and marijuana use among inner–city minority junior high school youth. Blount WR, et al. **Int J Addict** 1984 Apr;19(2):175–98

A factor analytic study of the relationship of experience seeking and trait anxiety to drug use and reasons for drug use. Hobfoll SE, et al. **Int J Addict** 1983 May;18(4):539–49

Reliability and validity of adolescent self–reported drug use in a family–based study: a methodological report. Needle R, et al. **Int J Addict** 1983 Oct;18(7):901–12

Understanding juvenile unemployability: an exploratory study. Munene JC. **J Adolesc** 1983 Sep;6(3):247–61

Smoking areas on school grounds: are we encouraging teenagers to smoke? Crow CS. **J Adolesc Health Care** 1984 Apr;5(2):117–9

Health–related behavior of adolescents: change over time. Epstein L, et al. **J Adolesc Health Care** 1984 Apr;5(2):91–5

Ecological factors predicting adolescent contraceptive use: implications for intervention. Kastner LS. **J Adolesc Health Care** 1984 Apr;5(2):79–86

A situational analysis of adolescent smoking. Biglan A, et al. **J Behav Med** 1984 Mar;7(1):109–14

Adolescents' compliance with self–monitoring and physiological assessment of smoking in natural environments. McConnell S, et al. **J Behav Med** 1984 Mar; 7(1):115–22

Measurement of adolescent smoking behavior: rationale and methods. Pechacek TF, et al. **J Behav Med** 1984 Mar; 7(1):123–40

Patterns and correlates of initial and subsequent drug use among adolescents. Mills CJ, et al. **J Consult Clin Psychol** 1984 Apr;52(2):231–43

Social bonding theory and adolescent cigarette smoking: a longitudinal analysis. Krohn MD, et al. **J Health Soc Behav** 1983 Dec;24(4):337–49

Acceptability of computer–acquired sexual histories in adolescent girls. Millstein SG, et al. **J Pediatr** 1983 Nov; 103(5):815–9

Parental influences upon alcohol use by teenagers in Benin City, Nigeria. Oshodin OG. **J R Soc Health** 1984 Jun; 104(3):106–7, 110

Capturing the energy of peer pressure: insights from a longitudinal study of adolescent cigarette smoking. Newman IM. **J Sch Health** 1984 Apr;54(4):146–8

Assessing student emotional behavior after parental separation or divorce. Patten–Seward P. **J Sch Health** 1984 Apr;54(4):152–3

Identifying adolescents with alcohol problems. A field test of the Adolescent Alcohol Involvement Scale. Moberg DP. **J Stud Alcohol** 1983 Jul;44(4):701–21

A critical reexamination of the adolescent alcohol involvement scale. Riley K, et al. **J Stud Alcohol** 1984 Mar; 45(2):184–9

The adolescent with diabetes mellitus. Hoette SJ. **Nurs Clin North Am** 1983 Dec;18(4):763–76

A comparison of high school students' smoking behaviours in 1968 and 1981. Mitchell DR. **NZ Med J** 1983 Jul 13; 96(735):534–6

Counselling the adolescent patient. Ross PJ. **Practitioner** 1984 May;228(1391):479–84

The motivation for violence among adolescents. Hemming J. **Public Health** 1983 Nov;97(6):324–9

Teenage smoking and antecedent parental characteristics: a prospective study. Oechsli FW, et al. **Public Health** 1984 Mar;98(2):103–8

Substance abuse by adolescents in Israel and France: a cross–cultural perspective. Kandel D. **Public Health Rep** 1984 May–Jun;99(3):277–83

Contraceptive use by adolescent females in relation to knowledge, and to time and method of contraceptive counseling. Marcy SA, et al. **Res Nurs Health** 1983 Dec; 6(4):175–82

Reducing adolescents' marihuana abuse. Smith TE. **Soc Work Health Care** 1983 Fall;9(1):33–44

The role of drugs in adolescent suicide attempts. McKenry PC, et al. **Suicide Life Threat Behav** 1983 Fall;13(3):166–75

Cigarette smoking by adolescent females: implications for health and behavior. Gritz ER. **Women Health** 1984 Summer–Fall;9(2–3):103–15

The troubled teen: suicide, drug use, and running away. Sommer B. **Women Health** 1984 Summer–Fall; 9(2–3):117–41

[Physical and psychological abuse: follow–up of abused and delinquent adolescents] Zeiller B. **Child Abuse Negl** 1982; 6(2):207–10 (Eng. Abstr.) **(Fre)**

[The problem of violence in adolescence] Barker M, et al. **Union Med Can** 1983 Aug;112(8):675–8, 680 (Eng. Abstr.) **(Fre)**

[Sex relations of 14– to 18–year old students from Csongrád County (Southern Hungary)] Németh E, et al. **Arztl Jugendkd** 1984 Feb;75(1):7–19 (Eng. Abstr.) **(Ger)**

[Lack of perspective and demonstrative search for a life style—the adolescent under the tension of social development] Wartenberg G. **Prax Kinderpsychol Kinderpsychiatr** 1984 Apr;33(3):82–8 (Eng. Abstr.) **(Ger)**

[The subject and circumstances of child–environment relations and their importance for the etiology of behavior peculiarities in childhood and adolescence from medical viewpoint 2.] Neumärker KJ. **Z Arztl Fortbild (Jena)** 1983; 77(17):713–9 (0 ref.) **(Ger)**

[Causes for behavioral disorders in adolescents of our time] Brandlmeier P. **ZFA (Stuttgart)** 1983 Nov 20;59(32):1785–9 **(Ger)**

[Health related behavior in high school students: IV. Relationships between behavioral attributes] Epstein LM, et al. **Harefuah** 1983 Apr 1;104(7):298–300 (Eng. Abstr.) **(Heb)**

[Various aspects of drug addiction among adolescents from different environments] Kubasiewicz A. **Ann Acad Med Stetin** 1983;29:323–40 (64 ref.) (Eng. Abstr.) **(Pol)**

[Multilateral and interdisciplinary study of children and young people for the purpose of optimizing the factors influencing behavior development. II. Structuring the model of personality development in the adolescent period] Scripcaru G, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Oct–Dec;87(4):553–6 (Eng. Abstr.) **(Rum)**

[Multilateral and interdisciplinary study of children and young people for the purpose of optimizing the factors influencing behavioral development. I. Content and delimitation of the problem. Objectives and research methods. Significance of some predisposing factors] Scripcaru G, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Jul–Sep;87(3):381–7 (45 ref.) (Eng. Abstr.) **(Rum)**

[Descriptive analysis of the sexual behavior of the Murcian adolescent] Hernández Martínez J. **Actas Luso Esp Neurol Psiquiatr** 1984 Mar–Apr; 12(2):153–61 (Eng. Abstr.) **(Spa)**

[Characteristics of the psychosocial development in adolescents from 12 to 15. Northern Santiago] Avendaño A, et al. **Rev Chil Pediatr** 1983 Jul–Aug;54(4):273–81 (Eng. Abstr.) **(Spa)**

ADOLESCENT, HOSPITALIZED

Live broadcasting on CC–TV and its effect on television viewing patterns of hospitalized children. Oberg CN, et al. **Minn Med** 1983 Sep;66(9):568–70

EDUCATION

Influence of arousal, previous experience, and age on surgery preparation of same day of surgery and in–hospital pediatric patients. Faust J, et al. **J Consult Clin Psychol** 1984 Jun; 52(3):359–65

PSYCHOLOGY

A specialized unit for adolescent oncology patients. Is it worth it? Tebbi CK, et al. **J Med** 1983;14(3):161–84

ADOLESCENT, INSTITUTIONALIZED

PSYCHOLOGY

Institutional games played by confined juveniles. Bartollas C, et al. **Adolescence** 1983 Fall;18(71):609–17

[A contemporary initiation] Duez B, et al. **Neuropsychiatr Enfance Adolesc** 1983 Aug–Sep; 31(8–9):432–5 **(Fre)**

ADOLESCENT MEDICINE

Care of adolescents [letter] Fortenberry JD, et al. **Ann Intern Med** 1983 Nov;99(5):739

Adolescent medicine [letter] Kreipe RE. **Clin Pediatr (Phila)** 1984 Jan;23(1):60

Adolescents with chronic disease. Are they receiving comprehensive health care? Carroll G, et al. **J Adolesc Health Care** 1983 Dec;4(4):261–5

Relationship between habitual physical activity and serum lipoprotein levels in white male adolescents. Durant RH, et al. **J Adolesc Health Care** 1983 Dec;4(4):235–40

Health–related behavior of adolescents: change over time. Epstein L, et al. **J Adolesc Health Care** 1984 Apr;5(2):91–5

Rape and the adolescent. **Pediatrics** 1983 Nov;72(5):738–40

Adolescent medicine: attitudes and skills of pediatric and medical residents. Slap GB. **Pediatrics** 1984 Aug; 74(2):191–7

Meeting the educational needs of adolescents with cancer. Blumberg BD. **Prog Clin Biol Res** 1983;130:85–9

[Tasks of the community pediatrician in the care of adolescents] Rubin A. **Cesk Pediatr** 1984 Mar;39(3):146–7 (Eng. Abstr.) (Cze)

[Somatic disease conceived as a rite] Gutton P. **Neuropsychiatr Enfance Adolesc** 1983 Aug–Sep; 31(8–9):409–11 (Fre)

[Adolescent medicine. Propositions for West Germany based on experiences in Finland] Wasz–Höckert O. **Monatsschr Kinderheilkd** 1983 Sep;131(9):566–9 (Ger)

[Health protection for the adolescent population] Niebsch G. **Z Gesamte Hyg** 1983 Oct;29(10):615–6 (Eng. Abstr.) (Ger)

[Analysis of the subject of child and adolescent hygiene from the position of materialistic dialectics] Agarkov VI, et al. **Gig Sanit** 1983 Jul;(7):48–51 (Rus)

[Results of scientific research on child and adolescent hygiene in 1982] Chur'ianova MI, et al. **Gig Sanit** 1984 Feb;(2):84–5 (Rus)

[Percentile analysis of age–related indicators of external respiration in adolescents] Maliarenko TN, et al. **Pediatriia** 1983 Jul;(7):16–8 (4 ref.) (Eng. Abstr.) (Rus)

[Prevention of nonspecific diseases in adolescence] Serdiukovskaia GN. **Vestn Akad Med Nauk SSSR** 1984; (4):70–5 (Eng. Abstr.) (Rus)

[Introduction to adolescent medicine] Bueno M. **An Esp Pediatr** 1983 Sep;19 Suppl 18:87–90 (Spa)

EDUCATION

Adolescent patients and internal medicine [letter] D'Angelo LJ. **Ann Intern Med** 1983 Dec;99(6):884

HISTORY

[Origin and development of the child and adolescent hygiene health service in the Ukraine (1919–1938)] Borisenko NF, et al. **Gig Sanit** 1983 Aug;(8):38–41 (13 ref.) (Rus)

MANPOWER

[Evaluation of the labor expenditure of specialists in child and adolescent hygiene in epidemiological health stations of rural and urban districts] Turovets GL. **Gig Sanit** 1983 Oct;(10):39–42 (Rus)

[Demand of sanitary–epidemiologic stations for specialists in pediatric and adolescent hygiene] Turovets GL. **Sov Zdravookhr** 1984;(3):13–7 (Eng. Abstr.) (Rus)

METHODS

Why adolescent medicine? Four illustrative cases. Strasburger VC. **Clin Pediatr (Phila)** 1984 Jan;23(1):12–6

A specialized unit for adolescent oncology patients. Is it worth it? Tebbi CK, et al. **J Med** 1983;14(3):161–84

[Polyclinic–based automated system for mass prophylactic examinations of adolescents] Antonova LT, et al. **Med Tekh** 1983 Jul–Aug;(4):27–31 (Eng. Abstr.) (Rus)

STANDARDS

Compliance with therapeutic regimens. Jay S, et al. **J Adolesc Health Care** 1984 Apr;5(2):124–36 (114 ref.)

Presidential address—coming of age in San Francisco (October 21, 1983). McAnarney ER. **J Adolesc Health Care** 1984 Apr;5(2):157–8

An evaluation of an adolescent family planning program. Ralph N, et al. **J Adolesc Health Care** 1983 Sep;4(3):158–62

TRENDS

[Social public health and social pediatric aspects of child and adolescent health protection] Kneist W. **Arztl Jugendkd** 1983 Jul;74(4):217–25 (Eng. Abstr.) (Ger)

[Assessment of the activities of epidemiological health stations in the field of child and adolescent hygiene] Turovets GL. **Sov Zdravookhr** 1984;(4):20–5 (Eng. Abstr.) (Rus)

[Social and hygienic aspects of the evaluation of health status of children and adolescents] Grombakh SM. **Vestn Akad Med Nauk SSSR** 1984;(4):75–80 (Eng. Abstr.) (Rus)

ADOLESCENT PREGNANCY see **PREGNANCY IN ADOLESCENCE**

ADOLESCENT PSYCHIATRY

Psychopathology in adolescent children of physicians. Stein BA, et al. **Can Med Assoc J** 1984 Mar 1;130(5):599–602

[The psychoanalyst and the myth of adolescence] Daymas S. **Neuropsychiatr Enfance Adolesc** 1983 Aug–Sep; 31(8–9):405–7 (Fre)

[The body, initiation, and therapeutic communication in adolescence] Sibertin–Blanc D, et al. **Neuropsychiatr Enfance Adolesc** 1983 Aug–Sep; 31(8–9):412–4 (Fre)

[Use of the new American classification, the so–called DSM III, in child and adolescent psychiatry] Lefèvre M, et al. **Psychiatr Enfant** 1983;26(2):459–505 (Fre)

[Developmental trends in child and adolescent psychiatry] Remschmidt H. **Monatsschr Kinderheilkd** 1983 Sep; 131(9):559–65 (Ger)

[Analysis of child and adolescent neuropsychiatric activity in Hoyerswerda District—a pilot study] Walter L. **Z Arztl Fortbild (Jena)** 1983;77(23):979–83 (Ger)

[Family day care for children and adolescents] Naess PO, et al. **Tidsskr Nor Laegeforen** 1984 Feb 29;104(6):436–9 (Eng. Abstr.) (Nor)

[Care for the adolescent in crisis. A new alternative] Paciência E, et al. **Bol Of Sanit Panam** 1983 Oct; 95(4):345–51 (Eng. Abstr.) (Por)

EDUCATION

A survey of training in child and adolescent psychiatry. Garralda ME, et al. **Br J Psychiatry** 1983 Nov;143:498–504

METHODS

A clinical model for enhancing adolescent ego identity. Enright RD, et al. **J Adolesc** 1984 Jun;7(2):119–30

[Psychoanalytic therapy in adolescence] Braconnier A. **Sem Hop Paris** 1983 Sep 22;59(33):2303–7 (Eng. Abstr.) (Fre)

[Adolescence and family therapy] Roche–Frechette D, et al. **Sem Hop Paris** 1983 Sep 22;59(33):2309–15 (Eng. Abstr.) (Fre)

TRENDS

Trends in adolescent research: a review of articles published in Adolescence—1976–1981. Stefanko M. **Adolescence** 1984 Spring;19(73):1–14

ADOLESCENT PSYCHOLOGY

Reflections. Erikson EH. **Adolesc Psychiatry** 1983;11:9–13

Competent adolescents from different socioeconomic and ethnic contexts. Looney JG, et al. **Adolesc Psychiatry** 1983; 11:64–74

The academia, the pseudo–community, and the army in the development of identity. Rothstein DA. **Adolesc Psychiatry** 1983;11:35–63

Obstacles and pathways in the journey from adolescence to parenthood. Solnit AJ. **Adolesc Psychiatry** 1983;11:14–26

The diary as a transitional object in female adolescent development. Sosin DA. **Adolesc Psychiatry** 1983; 11:92–103

Measuring perceived stress in adolescents: a cross validation. Forman BD, et al. **Adolescence** 1983 Fall;18(71):573–6

Inadequacy of sex knowledge of adolescents: implications for counselling and sex education. Onyehalu AS. **Adolescence** 1983 Fall;18(71):627–30

Ego identity development and obesity in adolescent girls. Shestowsky BJ. **Adolescence** 1983 Fall;18(71):551–9

Aspects of identification and growth during late adolescence and young adulthood. Dashef SS. **Am J Psychother** 1984 Apr;38(2):239–47

Differences in dental experiences, practices, and beliefs of inner–city and suburban adolescents. Cipes MH, et al. **Am J Public Health** 1983 Nov;73(11):1305–7

Prevalence of self–reported depressive symptoms in young adolescents. Schoenbach VJ, et al. **Am J Public Health** 1983 Nov;73(11):1281–7

Adolescent suicide. Meares R, et al. **Aust Fam Physician** 1983 Aug;12(8):614–6

Adolescence: a family affair. Tonge BJ. **Aust Fam Physician** 1983 Nov;12(11):803–4, 806

Life changes. Leaving school. Brown AL. **Br Med J [Clin Res]** 1984 Jun 23;288(6434):1884–6

Life skills groups for adolescent foster children. Euster SD, et al. **Child Welfare** 1984 Jan–Feb;63(1):27–36

The impact of divorce on teenagers. Westman JC. **Clin Pediatr (Phila)** 1983 Oct;22(10):692–7

Exercise and mental health in the pediatric population. Brown RS. **Clin Sports Med** 1982 Nov;1(3):515–27 (65 ref.)

Behavioral predictors of abstinence: early indicators of a dependence on tobacco among adolescents. Hansen WB. **Int J Addict** 1983 Oct;18(7):913–20

A comparison of parental and adolescent MMPIs as related to substance use. Klinge V. **Int J Addict** 1983 Dec; 18(8):1179–85

Adolescent attitudes to authority. Coleman J, et al. **J Adolesc** 1984 Jun;7(2):131–41

Senegalese adolescents and the need to control theft and criminality. D'Hondt W, et al. **J Adolesc** 1983 Dec; 6(4):329–32

A clinical model for enhancing adolescent ego identity. Enright RD, et al. **J Adolesc** 1984 Jun;7(2):119–30

Political knowledge and awareness in adolescents. Furnham A, et al. **J Adolesc** 1983 Dec;6(4):373–85

School children's attitudes towards the handicapped. Furnham A, et al. **J Adolesc** 1984 Jun;7(2):99–117

The individuality of teenage mothers and its implication for intervention strategies. Landy S, et al. **J Adolesc** 1984 Jun; 7(2):171–90

Alice in Wonderland and cognitive development: teaching with examples. Lough GJ. **J Adolesc** 1983 Dec;6(4):305–15

Adolescents and their experience of parental divorce. McLoughlin D, et al. **J Adolesc** 1984 Jun;7(2):155–70

A cross–cultural study of adolescent self–concept. Olowu AA. **J Adolesc** 1983 Sep;6(3):263–74

The development of conceptions of unemployment among adolescents. Webley P, et al. **J Adolesc** 1983 Dec; 6(4):317–28

Adolescents' questions about sex. Davis SM, et al. **J Adolesc Health Care** 1983 Dec;4(4):225–9

Sources of anxiety about pelvic examinations among adolescent females. Millstein SG, et al. **J Adolesc Health Care** 1984 Apr;5(2):105–11

Parenting knowledge among adolescent mothers. Parks PL, et al. **J Adolesc Health Care** 1983 Sep;4(3):163–7

Health professionals' predictions of teenagers' preferences regarding chaperones during physical examinations. Phillips S, et al. **J Adolesc Health Care** 1983 Dec;4(4):241–5

Psychosocial functioning, life change, and clinical status in adolescents with cystic fibrosis. Smith MS, et al. **J Adolesc Health Care** 1983 Dec;4(4):230–4

Treatment of adolescents in family therapy after divorce. Blotcky MJ, et al. **J Am Acad Child Psychiatry** 1984 Mar; 23(2):222–5

Adolescent suicide. Stern HP. **J Arkansas Med Soc** 1984 Jul; 81(2):120–2

The adolescent visit: an opportunity for anticipatory guidance. Hanley KK. **J Fla Med Assoc** 1984 Apr; 71(4):221–4

A national survey of young people's perceptions of mental handicap. McConkey R, et al. **J Ment Defic Res** 1983 Sep; 27 (Pt 3):171–83

Psychological differentiation, self–concept, and object relations of adolescents as a function of family consensual types. Shulman S, et al. **J Nerv Ment Dis** 1983 Dec; 171(12):734–41

The reentry process of adolescents. Freudenberger HJ, et al. **J Psychoactive Drugs** 1984 Jan–Mar;16(1):95–9

The influence of communicator characteristics on the nutrition attitudes and behavior of high school students. Feldman RH. **J Sch Health** 1984 Apr;54(4):149–51

Anorexia and the adolescent. McNab WL. **J Sch Health** 1983 Sep;53(7):427–30

Adolescent sex education: a preventive mental health measure. Obstfeld LS, et al. **J Sch Health** 1984 Feb; 54(2):68–70

Adolescents and abortion. A theoretical framework for decision making. Brown MA. **JOGN Nurs** 1983 Jul–Aug; 12(4):241–7

Adolescent fears of war [letter] **Lancet** 1984 May 5; 1(8384):1022–3

Assessing the impact of illness upon an adolescent and family. Crummette B. **Matern Child Nurs J** 1983 Fall;12(3):155–67 (33 ref.)

Changes in self–image during early adolescence. Abramowitz RH, et al. **New Dir Ment Health Serv** 1984 Jun;(22):19–28

Historical time and social change in adolescent experience. Boxer AM, et al. **New Dir Ment Health Serv** 1984 Jun; (22):83–100

The mental health professional and the normal adolescent. Hartlage S, et al. **New Dir Ment Health Serv** 1984 Jun; (22):29–43

The self–image of normal adolescents. Offer D, et al. **New Dir Ment Health Serv** 1984 Jun;(22):5–17

Meeting the psychosocial needs of teen–age mothers and fathers. Smith DL. **Nurs Clin North Am** 1984 Jun; 19(2):369–79

Psychosocial considerations for the adolescent and young adult with inflammatory bowel disease. Sparacino LL. **Nurs Clin North Am** 1984 Mar;19(1):41–9

Preschooler and adolescent: repeating themes. Barleben S, et al. **Nurse Pract** 1983 Sep;8(8):59–62

The learning disorders of adolescence: organic and nonorganic failure to strive. Levine MD, et al. **Pediatr Clin North Am** 1984 Apr;31(2):345–69

Adolescent suicide: a response to developmental crisis. Gilead MP, et al. **Perspect Psychiatr Care** 1983 Jul–Sep; 21(3):94–101

Psychosomatic problems in adolescents. Why they occur, how to intervene. Zeltzer LK, et al. **Postgrad Med** 1984 Jan;75(1):153–64

Counselling the adolescent patient. Ross PJ. **Practitioner** 1984 May;228(1391):479–84

On psychological resemblance: a questionnaire study of high school students. Harris ID, et al. **Psychiatry** 1984 May; 47(2):125–34

The contribution of psychoanalysis to the psychotherapy of adolescents. Blos P. **Psychoanal Study Child** 1983; 38:577–600

Reducing the risk of smoking amongst the young. Gillies PA, et al. **Public Health** 1984 Jan;98(1):49–54

Reflections on beauty as it relates to health in adolescent females. Freedman RJ. **Women Health** 1984 Summer–Fall; 9(2–3):29–45

[The future of adolescents at risk for alcoholism in the story projection test] Mečíř J, et al. **Cesk Psychiatr** 1983 Aug; 79(4):255–9 (Eng. Abstr.) (Cze)

[Diagnosis of personality disorders in adolescence. II.] Vojtík V, et al. **Cesk Psychiatr** 1983 Aug;79(4):235–42 (Eng. Abstr.) (Cze)

[Adolescent group and initiation, or the initiated initiator]

Agman G, et al. **Neuropsychiatr Enfance Adolesc** 1983 Aug–Sep;31(8–9):402–5 (Fre)

[Rites in adolescence (the act and the prohibition in adolescence)] Basquin M. **Neuropsychiatr Enfance Adolesc** 1983 Aug–Sep; 31(8–9):355–9 (Eng. Abstr.) (Fre)

[Tattooing and initiation] Bezaury JP, et al. **Neuropsychiatr Enfance Adolesc** 1983 Aug–Sep; 31(8–9):424–6 (Fre)

[Initiation rites in adolescence. Psychological and psychopathological point of view] Braconnier A. **Neuropsychiatr Enfance Adolesc** 1983 Aug–Sep; 31(8–9):383–4 (Fre)

[The forbidden, the act; heroin and adolescents] Charles–Nicolas A. **Neuropsychiatr Enfance Adolesc** 1983 Aug–Sep;31(8–9):416–21 (Fre)

[The psychoanalyst and the myth of adolescence] Daymas S. **Neuropsychiatr Enfance Adolesc** 1983 Aug–Sep; 31(8–9):405–7 (Fre)

[Role of initiation in juvenile delinquency] Garapon A. **Neuropsychiatr Enfance Adolesc** 1983 Aug–Sep; 31(8–9):390–3 (Fre)

[Somatic disease conceived as a rite] Gutton P. **Neuropsychiatr Enfance Adolesc** 1983 Aug–Sep; 31(8–9):409–11 (Fre)

[From the familiar to the unknown. Adolescent territory and passages. Comments on the function of initiation rites in adolescence and the illumination they bring us on the psychic arrangement of adolescents] Jeammet P. **Neuropsychiatr Enfance Adolesc** 1983 Aug–Sep; 31(8–9):361–81 (Eng. Abstr.) (Fre)

[Adolescence, or the impossible encounter] Klein JP. **Neuropsychiatr Enfance Adolesc** 1983 Aug–Sep; 31(8–9):394–400 (Fre)

[The motorcycle and adolescents. Comments on the experiences, groups and rituals of motorcyclist adolescents] Rabreau JP. **Neuropsychiatr Enfance Adolesc** 1983 Aug–Sep;31(8–9):428–31 (Fre)

[The body, initiation, and therapeutic communication in adolescence] Sibertin–Blanc D, et al. **Neuropsychiatr Enfance Adolesc** 1983 Aug–Sep; 31(8–9):412–4 (Fre)

[Systems approach to adolescence. Refresher course of the Swiss Psychiatric Society, Zurich, May 1983] Fivaz E. **Schweiz Arch Neurol Neurochir Psychiatr** 1984; 134(2):229–39 (Eng. Abstr.) (Fre)

[Adolescent crisis] Ladame F. **Schweiz Arch Neurol Neurochir Psychiatr** 1984; 134(2):263–6 (Fre)

[Adolescence] Rey–Bellet J. **Schweiz Arch Neurol Neurochir Psychiatr** 1984; 134(2):185–7 (Fre)

[Sex offenses against adolescents: 5 years' experience with the victims] Frappier JY, et al. **Union Med Can** 1983 Aug; 112(8):693–5 (Eng. Abstr.) (Fre)

[Attempted suicide in adolescents. Review of 93 cases] Wilkins J, et al. **Union Med Can** 1983 Aug;112(8):682–4 (Eng. Abstr.) (Fre)

[Youth and cultural development] Erdheim M. **Schweiz Arch Neurol Neurochir Psychiatr** 1984; 134(2):189–94 (Ger)

[Youth movements and puberty] Herzka HS. **Schweiz Arch Neurol Neurochir Psychiatr** 1984; 134(2):241–9 (Eng. Abstr.) (Ger)

[Psychology in dental prophylaxis for youth and fringe groups] Magri F. **SSO Schweiz Monatsschr Zahnheilkd** 1983 Sep;93 Spec No:820–8 (Ger)

[Health related behavior in high school students: IV. Relationships between behavioral attributes] Epstein LM, et al. **Harefuah** 1983 Apr 1;104(7):298–300 (Eng. Abstr.) (Heb)

[Projective picture test 'The bewitched family' (Case illustration)] Switrowska H. **Psychiatr Pol** 1983 Jul–Aug; 17(4):351–3 (Pol)

[Model of proper nutrition in the opinion of Warsaw adolescents (relationship to sex and social environment] Narojek L, et al. **Rocz Panstw Zakl Hig** 1983; 34(5–6):429–37 (Eng. Abstr.) (Pol)

[An experience of mental health promotion in an educational institution] Saientz R, et al. **Acta Psiquiatr Psicol Am Lat** 1983 Sep;29(3):187–92 (Eng. Abstr.) (Spa)

[Psychological changes in adolescence] Argemi J. **An Esp Pediatr** 1983 Sep;19 Suppl 18:109–15 (Eng. Abstr.) (Spa)

[Primary prevention of substance dependence in adolescents. Description of a project in Santiago, Chile] Florenzano Urzua R, et al. **Bol Of Sanit Panam** 1983 Aug;95(2):142–55 (Eng. Abstr.) (Spa)

[Adolescent development: survey of knowledge and attitudes among secondary school students] Peláez P, et al. **Rev Chil Pediatr** 1983 Mar–Apr;54(2):107–11 (Eng. Abstr.) (Spa)

[Pregnancy in unmarried adolescents] Thonet C. **Rev Med Chil** 1983 Mar;111(3):293–8 (Eng. Abstr.) (Spa)

METHODS

Development of a youth adaptation rating scale. Beall S, et al. **J Sch Health** 1984 May;54(5):197–200

ADONIS see under **PLANTS, MEDICINAL**

ADOPTION

A survey of attitudes concerning contraception and the resolution of teenage pregnancy. Rinck C, et al. **Adolescence** 1983 Winter;18(72):923–9

Parent–child relationships of adopted adolescents in a psychiatric hospital. Weiss A. **Adolescence** 1984 Spring; 19(73):77–88

The postadoption experience of surrendering parents. Deykin EY, et al. **Am J Orthopsychiatry** 1984 Apr;54(2):271–80

Inheritability of genetic factors [letter] Grey PM. **Am J Psychiatry** 1984 Jan;141(1):140

On religious affiliation of mothers relinquishing their newborns [letter] Boer HR. **Am J Public Health** 1984 Jun; 74(6):623

Adoption of children with special needs. A national perspective. Hardy DR. **Am Psychol** 1984 Aug;39(8):901–4

Submaximal power output in adopted and biological siblings. Bouchard C, et al. **Ann Hum Biol** 1984 Jul–Aug;11(4):303–9

An adoption study of somatoform disorders. III. Cross–fostering analysis and genetic relationship to alcoholism and criminality. Bohman M, et al. **Arch Gen Psychiatry** 1984 Sep;41(9):872–8

An adoption study of somatoform disorders. II. Identification of two discrete somatoform disorders. Cloninger CR, et al. **Arch Gen Psychiatry** 1984 Sep;41(9):863–71

An independent analysis of the Danish Adoption Study of Schizophrenia. VI. The relationship between psychiatric disorders as defined by DSM–III in the relatives and adoptees. Kendler KS, et al. **Arch Gen Psychiatry** 1984 Jun;41(6):555–64

An adoption study of somatoform disorders. I. The relationship of somatization to psychiatric disability. Sigvardsson S, et al. **Arch Gen Psychiatry** 1984 Sep; 41(9):853–9

Surrogate motherhood, psychiatric screening and informed consent, baby selling, and public policy. Parker PJ. **Bull Am Acad Psychiatry Law** 1984;12(1):21–39

Adoptions: follow–up from an orphanage in Bombay. Mehta MN, et al. **Child Abuse Negl** 1983;7(1):79–82

Abuse and deprivation in failing adoptions. Sack WH, et al. **Child Abuse Negl** 1982;6(4):443–51

Children's understanding of adoption. Brodzinsky DM, et al. **Child Dev** 1984 Jun;55(3):869–78

Placing siblings together. Depp CH. **Child Today** 1983 Mar–Apr;12(2):14–9

TEAM: parent–agency partnership in adoption services. Flynn LM, et al. **Child Today** 1983 Mar–Apr;12(2):2–5

Group therapy for adopted adolescents and their families. Frank JK Jr, et al. **Child Today** 1983 Mar–Apr;12(2):11–3

Silly questions and straight answers about adoption. Pufki PM. **Child Today** 1983 Jul–Aug;12(4):11–4

Recruiting Hispanic families. Valiente–Barksdale C. **Child Today** 1983 Mar–Apr;12(2):26–8

One church, one child: placing children with special needs. Veronico AJ. **Child Today** 1983 Mar–Apr;12(2):6–10

Update: adoption opportunities projects. Weathers OD, et al. **Child Today** 1983 Mar–Apr;12(2):20–3

Self–concept and attitudes toward adoption: a comparison of searching and nonsearching adult adoptees. Aumend SA, et al. **Child Welfare** 1984 May–Jun;63(3):251–9

Value issues in present–day adoption. Dukette R. **Child Welfare** 1984 May–Jun;63(3):233–43

A group model for adoption studies for special–needs children. Forsythe BJ, et al. **Child Welfare** 1984 Jan–Feb; 63(1):56–61

Social work and law in a foster care/adoption program. Gill MM, et al. **Child Welfare** 1983 Sep–Oct;62(5):455–67

Legal, casework, and ethical issues in 'risk adoption'. Lee RE, et al. **Child Welfare** 1983 Sep–Oct;62(5):450–4

Overcoming barriers to permanency planning. Miller K, et al. **Child Welfare** 1984 Jan–Feb;63(1):45–55

A review of selected foster care–adoption research from 1978 to mid–1982. Murray L. **Child Welfare** 1984 Mar–Apr; 63(2):113–24

Open adoption as standard practice. Pannor R, et al. **Child Welfare** 1984 May–Jun;63(3):245–50

Sibling ties in foster care and adoption planning. Ward M. **Child Welfare** 1984 Jul–Aug;63(4):321–32

From residential treatment to adoption: a permanency planning service. Weitzel WJ. **Child Welfare** 1984 Jul–Aug; 63(4):361–5

Community attitudes to artificial insemination by husband or donor, in vitro fertilization, and adoption. Rowland R, et al. **Clin Reprod Fertil** 1983 Sep;2(3):195–206

Effects of race on adoption and fostering. Fletchman–Smith B. **Int J Soc Psychiatry** 1984 Spring;30(1–2):121–8

The crisis in adoption. Small JW. **Int J Soc Psychiatry** 1984 Spring;30(1–2):129–42

Educational attainment and social class in adoptees: genetic and environmental contributions. Teasdale TW, et al. **J Biosoc Sci** 1983 Oct;15(4):509–18

Psychological and academic adjustment in adopted children. Brodzinsky DM, et al. **J Consult Clin Psychol** 1984 Aug; 52(4):582–90

The increasing concern with infertility [letter] Hogue CJ, et al. **JAMA** 1984 Jul 13;252(2):208

Surrogate motherhood and criminal law. Jones KB. **Penn Med** 1984 Jan;87(1):22

Development of hand preference in the Colorado Adoption Project. Rice T, et al. **Percept Mot Skills** 1984 Jun; 58(3):683–9

Surrogate mothering. Case for discussion. **Prog Clin Biol Res** 1983;139:141–3

On surrogate mothers. Gorovitz S. **Prog Clin Biol Res** 1983; 139:145–54

Surrogate motherhood: past, present and future. Keane NP, et al. **Prog Clin Biol Res** 1983;139:155–64

Discussion summary: surrogate mothering. Weil BJ. **Prog Clin Biol Res** 1983;139:165–6

Introduction: surrogate mothering. Weil BJ. **Prog Clin Biol Res** 1983;139:137–9

Adoptive parents. Generative conflict and generational continuity. Blum HP. **Psychoanal Study Child** 1983; 38:141–63

Alcoholism and crime: studies of adoptees. Bohman M. **Subst Alcohol Actions Misuse** 1983;4(2–3):137–47

Artificial insemination by donor (AID) and the use of surrogate mothers. Davis JH, et al. **West J Med** 1984 Jul; 141(1):127–30

[A retrospective study of the health status, nutritional status and growth of interracially adopted children] Polman HA, et al. **Tijdschr Kindergeneeskd** 1984 Feb;52(1):3–9 (Eng. Abstr.) (Dut)

[Breast feeding and adoption among the Inuit population of Northern Quebec] Dufour R. **Can J Public Health** 1984 Mar–Apr;75(2):137–40 (Eng. Abstr.) (Fre)

[Pneumocystitis carinii pneumonia. A dangerous infection in adopted infants from developing countries] Dahlström A, et al. **Lakartidningen** 1983 Oct 12;80(41):3775–6 (Swe)

ADOPTIVE CELL TRANSFER see **IMMUNIZATION, PASSIVE**

ADOSTEROL see under **STEROLS**

ADP see **ADENOSINE DIPHOSPHATE**

ADRENAL CORTEX

Congenital adrenal tissue in the lung with adrenal cytomegaly. Case report and review of the literature. Armin A, et al. **Am J Clin Pathol** 1984 Aug;82(2):225–8

ABNORMALITIES

Ectopic adrenal cortical tissue in inguinal hernia sac. Prasad SB. **J Indian Med Assoc** 1984 Jan;82(1):28–9

Corticosteroidogenic tumour of the kidney causing primary aldosteronism with the histologic appearance of a hypernephroma. Scattini CM, et al. **Medicina (B Aires)** 1983;43(5):549–56

ANALYSIS

Purification and sequence of an opioid peptide derived from ovine proenkephalin. Micanovic R, et al. **Biochem Biophys Res Commun** 1984 Jan 13;118(1):299–303

Regional distribution of free and sulfoconjugated catecholamines in the bovine adrenal cortex and medulla. Racz K, et al. **Can J Physiol Pharmacol** 1984 Jun; 62(6):622–6

Steroid concentrations in the outer and inner zones of the adrenal cortex of the guinea pig. Nishikawa T, et al. **J Steroid Biochem** 1984 May;20(5):1123–7

Factors affecting the frequency of occurrence of spironolactone bodies in aldosteronomas and non–tumorous cortex. Cohn D, et al. **Pathology** 1983 Jul;15(3):273–7

[Structural organization of adrenodoxin using limited proteolysis] Chashchin VL, et al. **Biokhimiia** 1983 Oct; 48(10):1697–704 (Eng. Abstr.) (Rus)

ANATOMY & HISTOLOGY

Hypertrophied adrenocortical tissue of the Australian brush–tailed possum (Trichosurus vulpecula): uniformity during reproduction. Call RN, et al. **J Endocrinol** 1984 Jun; 101(3):263–7

CYTOLOGY

Changes in characteristics of rat adrenal glomerulosa cells under acute and chronic treatment with ACTH. Legros F, et al. **Can J Biochem Cell Biol** 1983 Jul;61(7):538–46

Zonal mitotic response in the adrenocortical tissue of the juvenile female duck to sex hormones. Maiti BR, et al. **Exp Clin Endocrinol** 1983 Aug;82(2):194–8

Effects of ACTH on adrenocortical cells autotransplanted in the rat spleen: ultrastructural and morphometric observations. Robba C, et al. **Exp Pathol** 1984;25(2):115–9

Serum and growth factor requirements for proliferation of human adrenocortical cells in culture: comparison with bovine adrenocortical cells. Hornsby PJ, et al. **In Vitro** 1983 Nov;19(11):863–9

Correlation of lipid droplet content and steroidogenic capacity in zona glomerulosa and fasciculata cells from lipoprotein–deficient rats. Szabó D, et al. **Mol Cell Endocrinol** 1984 Jan;34(1):59–66

Mitotic index and cell nuclear volume of Zona glomerulosa in postnatal growth of rat adrenals. Chuvilina OY, et al. **Z Mikrosk Anat Forsch** 1984;98(2):213–7

[Seasonal dynamics of cellular mitotic activity in the adenohypophysis and adrenal cortex of normal rats and under the stress reaction] Pert VK. **Arkh Anat Gistol Embriol** 1983 Dec;85(12):81–6 (Eng. Abstr.) (Rus)

DRUG EFFECTS

4-Cholesten-3-one-induced lipoid hyperplasia of the adrenal cortex in rats. Motlik K, et al. **Acta Univ Carol [Med] (Praha)** 1983;29(1-2):103-12

Adrenal suppression following extradural steroids. Jacobs S, et al. **Anaesthesia** 1983 Oct;38(10):953-6

Adrenocortical response to single and repeated doses of chloroform in rats. Yannai S. **Arch Toxicol** 1983 Oct; 54(2):145-56

Effect of atrial natriuretic factor (ANF)-related peptides on aldosterone secretion by adrenal glomerulosa cells: critical role of the intramolecular disulphide bond. Chartier L, et al. **Biochem Biophys Res Commun** 1984 Jul 18;122(1):171-4

Carbaryl-induced elevation of corticosterone level and cholinergic mechanism. Ray SK, et al. **Biosci Rep** 1983 Oct;3(10):973-7

Ablative procedures in patients with metastatic breast carcinoma. Wells SA Jr, et al. **Cancer** 1984 Feb 1;53(3 Suppl):762-5

The effects of colchicine, vinblastine and cytochalasins on the corticotropic responsiveness and ultrastructure of inner zone adrenocortical tissue in the Pekin duck. Cronshaw J, et al. **Cell Tissue Res** 1984;236(2):333-8

Timing of medical diagnosis and treatment: clino-circadian quantification of suppression by dexamethasone of the adrenal cortical cycle in healthy men. Halberg F, et al. **Chronobiologia** 1984 Jan-Mar;11(1):43-50

The inhibition by etomidate of the 11 beta-hydroxylation of cortisol. Fry DE, et al. **Clin Endocrinol (Oxf)** 1984 May; 20(5):625-9

Adrenocortical function and responsiveness to tetracosactrin infusions after intra-articular treatment with triamcinolone acetonide and hydrocortisone acetate. Esselinckx W, et al. **Clin Rheumatol** 1982 Sep;1(3):176-84

Etomidate and adrenal suppression. Conner CS. **Drug Intell Clin Pharm** 1984 May;18(5):393-4

Intraventricular 6-hydroxydopamine increases the adrenal cortex mitotic activity in rats. Lewiński A, et al. **Endocr Res** 1984;10(1):49-61

Corticotropin releasing factor increases the adrenocortical responsiveness to adrenocorticotropin. De Souza E, et al. **Experientia** 1984 Sep 15;40(9):1004-6

The anomalous effect of some ACTH-fragments missing the amino acid sequence 1-10 on the corticosteroidogenesis in purified isolated rat adrenal cells. Goverde HJ, et al. **FEBS Lett** 1984 Jul 23;173(1):23-6

The effects of potent topical corticosteroids on adrenocortical function. Aso M. **J Dermatol (Tokyo)** 1983 Apr;10(2):145-9

Risk of relapse in steroid-sensitive nephrotic syndrome: effect of stage of post-prednisone adrenocortical suppression. Leisti S, et al. **J Pediatr** 1983 Oct;103(4):553-7

Vasopressin: a potent growth factor in adrenal glomerulosa cells in culture. Payet N, et al. **J Steroid Biochem** 1984 Jan;20(1):449-54

Effects of testosterone on the zona fasciculata of the male rat adrenal cortex. A correlated stereological and biochemical study. Mazzocchi G, et al. **J Submicrosc Cytol** 1983 Oct;15(4):991-1005

Varying the duration of A23187 administration alters its effect on adrenal steroidogenesis. Lymangrover JR, et al. **Life Sci** 1984 Jan 23;34(4):371-7

alpha-MSH analogues and adrenal zona glomerulosa function. Vinson GP, et al. **Life Sci** 1984 Aug 6; 35(6):603-10

Corticotropin-induced desensitization: steroidogenic and cyclic AMP responses in superfused adrenocortical cells. Schulster D, et al. **Mol Cell Endocrinol** 1984 Jun; 36(1-2):43-51

Inhibition of adrenal steroidogenesis by the anesthetic etomidate. Wagner RL, et al. **N Engl J Med** 1984 May 31;310(22):1415-21

Differences in hypothalamo-pituitary-adrenocortical activity in the rat after acute and prolonged treatment with morphine. Buckingham JC, et al. **Neuroendocrinology** 1984 May;38(5):411-7

The use of the superfusion approach with rat adrenal capsular cells to compare the steroidogenic potencies of angiotensin analogues, without the effects of peptide degradation. Bell JB, et al. **Proc R Soc Lond [Biol]** 1984 Mar 22; 221(1222):21-30

Use of a low dose synthetic ACTH challenge test in normal and prednisone-treated dogs. Kemppainen RJ, et al. **Res Vet Sci** 1983 Sep;35(2):240-2

Androgen modulation of adrenal angiotensin receptors. Carroll JE, et al. **Science** 1984 Jun 1;224(4652):1009-11

Effects of carbon tetrachloride on adrenocortical structure and function in guinea pigs. Brogan WC 3d, et al. **Toxicol Appl Pharmacol** 1984 Aug;75(1):118-27

[Effect of long-term steroid treatment on the adrenal function in patients with kidney diseases] Shi MZ. **Chung Hua Nei Ko Tsa Chih** 1984 Feb;23(2):83-6 (Eng. Abstr.) **(Chi)**

[Effect of total saponins of Panax notoginseng on adrenocortical function of rats and guinea pigs] Wang JD, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Mar;5(1):50-2 (Eng. Abstr.) **(Chi)**

[Functional relations between the adrenal cortex, thyroid gland and pineal body. I. Reactions of the adrenal cortex following interference with the thyroid regulatory cycle] Peschke E, et al. **Gegenbaurs Morphol Jahrb** 1983; 129(5):599-624 (Eng. Abstr.) **(Ger)**

[Cholinergic action and adrenal cortex function in rats following pirimor poisoning] Osicka-Koprowska A, et al. **Przegl Lek** 1983;40(7):575-7 (Eng. Abstr.) **(Pol)**

[Effect of alcoholic intoxication in female rats on the functioning of the hypothalamo-hypophyseal-adrenal cortex system of their progeny] Drzhevetskaia IA, et al. **Farmakol Toksikol** 1984 May-Jun;47(3):84-7 (Eng. Abstr.) **(Rus)**

[Action of chloditane on the phospholipid composition of the adrenals in dogs] Mikosha AS, et al. **Farmakol Toksikol** 1983 Jul-Aug;46(4):65-8 (Eng. Abstr.) **(Rus)**

[Effect of fetal adrenal hormones on the reactivity of the hypothalamo-hypophyseal-adrenocortical system in the adult rat] Dygalo NN, et al. **Ontogenez** 1984 Mar-Apr; 15(2):215-9 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Effect of fixation on the ultrastructural localization of delta 53 beta-hydroxysteroid dehydrogenase in adrenocortical and Leydig cells of the rat. Anderson JE, et al. **Acta Histochem (Jena)** 1983;73(1):79-86

Cholesterol side-chain cleavage activity in the outer and inner zones of the adrenal cortex. Obara T, et al. **Biochem Biophys Res Commun** 1984 Jan 13;118(1):198-205

Aldosterone biosynthesis by a reconstituted cytochrome P-45011 beta system. Wada A, et al. **Biochem Biophys Res Commun** 1984 Feb 29;119(1):365-71

Kinetics of cytochrome P-450 reduction: studies in bovine adrenocortical microsomes. Narasimhulu SV, et al. **Biochemistry** 1984 Mar 13;23(6):1109-14

The domain structure of the cholesterol side-chain cleavage cytochrome P-450 from bovine adrenocortical mitochondria. Chashchin VL, et al. **Biochim Biophys Acta** 1984 May 31;787(1):27-38

Salt-resistant (hepatic) lipase. Evidence for its presence in bovine liver and adrenal cortex. Cordle SR, et al. **Biochim Biophys Acta** 1983 Sep 20;753(2):213-9

In vitro regulation of bovine adrenal cortical acyl-CoA: cholesterol acyltransferase and comparison with the rat liver enzyme. Suckling KE, et al. **Biochim Biophys Acta** 1983 Oct 11;753(3):422-9

Metabolism of xenobiotics in the human adrenal gland. Papadopoulos D, et al. **Cancer Lett** 1984 Feb;22(1):23-30

Distribution of 3 beta-hydroxysteroid dehydrogenase during development of the rat adrenal cortex and capsule. Farcnik K, et al. **Differentiation** 1984;27(1):46-52

Studies on cyclic nucleotides in the adrenal gland. XI. Adrenergic regulation of adenylate cyclase activity in the adrenal cortex. Shima S, et al. **Endocrinology** 1984 Feb; 114(2):325-9

Neurotransmitter interaction in regulation of adrenocortical ornithine decarboxylase. Almazan G, et al. **Eur J Pharmacol** 1983 Sep 2;92(3-4):249-57

Neuroendocrine control of adrenocortical ornithine decarboxylase activity. Almazan G, et al. **Exp Brain Res** 1983;50(2-3):321-8

Organ-specific properties of cytochromes P-450s21 (steroid 21-hydroxylases) of liver and adrenocortical microsomes. Ichikawa Y, et al. **FEBS Lett** 1984 Feb 13;167(1):131-6

Immunoreactive renin in mouse adrenal gland. Localization in the inner cortical region. Naruse M, et al. **Hypertension** 1984 Mar-Apr;6(2 Pt 1):275-80

Contributions of cytoplasmic free and membrane-bound ribosomes to the synthesis of mitochondrial cytochrome P-450(SCC) and P-450(11 beta) and microsomal cytochrome P-450(C-21) in bovine adrenal cortex. Nabi N, et al. **J Biochem (Tokyo)** 1983 Nov;94(5):1517-27

Partial amino acid sequences of two mitochondrial and two microsomal cytochrome P-450's from adrenal cortex. Ogishima T, et al. **J Biochem (Tokyo)** 1983 Nov; 94(5):1711-4

Interaction between cytochrome P-450 (P-450C21) and NADPH-cytochrome P-450 reductase from adrenocortical microsomes in a reconstituted system. Kominami S, et al. **J Biol Chem** 1984 Mar 10;259(5):2991-9

Induction of synthesis of mitochondrial steroidogenic enzymes of bovine adrenocortical cells by analogs of cyclic AMP. Kramer RE, et al. **J Biol Chem** 1984 Jan 25; 259(2):707-13

Hormonal regulation of a calcium-activated, phospholipid-dependent protein kinase in bovine adrenal cortex. Vilgrain I, et al. **J Biol Chem** 1984 Mar 25; 259(6):3403-6

Steroidogenic enzyme activities in cultured human definitive zone adrenocortical cells: comparison with bovine adrenocortical cells and resultant differences in adrenal androgen synthesis. Hornsby PJ, et al. **J Clin Endocrinol Metab** 1984 Jan;58(1):121-7

Structure-activity relationship study of the inhibition of adrenal cortical 11 beta-hydroxylase by new metyrapone analogues. Hays SJ, et al. **J Med Chem** 1984 Jan;27(1):15-9

Late onset adrenocortical hydroxylase deficiencies associated with menstrual dysfunction. Birnbaum MD, et al. **Obstet Gynecol** 1984 Apr;63(4):445-51

[Steroidogenic electron transfer system in adrenal microsomes] Takemori S, et al. **Tanpakushitsu Kakusan Koso** 1983 Oct;28(11):1226-40 (90 ref.) **(Jpn)**

[Isolation, purification and study of the properties of pyruvate kinase from the bovine adrenal cortex] Mandrik KA, et al. **Ukr Biokhim Zh** 1984 Jan-Feb;56(1):14-8 (Eng. Abstr.) **(Rus)**

[Kinetics of the inhibition of succinate dehydrogenase in bull adrenal cortex by malonate and oxaloacetate] Mandrik KA, et al. **Ukr Biokhim Zh** 1983 Sep-Oct;55(5):503-6 (Eng. Abstr.) **(Rus)**

[The role of Ca++ in regulation of oxoglutarate dehydrogenase complex activity from bovine adrenal cortex] Strumilo SA. **Ukr Biokhim Zh** 1983 Jul-Aug; 55(4):415-9 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Sex differences in adrenocortical structure and function. XIII. Stereologic studies on adrenal cortex of maturing male and female hamsters. Nikicicz H, et al. **Cell Tissue Res** 1984; 235(2):459-62

[Hormonal and compartmental correlates during adrenarche in the chimpanzee] Nadler RD, et al. **C R Seances Acad Sci [III]** 1984;298(14):409-13 (Eng. Abstr.) **(Fre)**

[Disorder of catecholamine synthesis in early ontogeny and hypophyseal-adrenal cortical function in adult rats] Maslova LN, et al. **Ontogenez** 1984 May-Jun;15(3):327-31 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Adrenal dysfunction in asymptomatic patients with adrenocortical autoantibodies. Ketchum CH, et al. **J Clin Endocrinol Metab** 1984 Jun;58(6):1166-70

INNERVATION

Effect of central serotonin depletion on adrenocortical responses to neural stimuli. Feldman S, et al. **Exp Neurol** 1984 Sep;85(3):661-6

METABOLISM

Effects of angiotensin II and ACTH on normal and tumourous human adrenocortical cells. Belmega W, et al. **Acta Endocrinol (Copenh)** 1983 Sep;104(1):103-9

Disposition of some sulphur-containing hexachlorobenzene (HCB) metabolites: affinity of methylsulphonylpentachlorobenzene for the gray matter of brain, the lungs and the adrenal zona reticularis. Brandt I, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 May; 54(5):352-60

A potassium-induced mitochondrial protein related to aldosterone biosynthesis. Meuli C, et al. **Am J Physiol** 1983 Nov;245(5 Pt 1):E449-56

Turnover of newly synthesized cytochromes P-450scc and P-45011 beta and adrenodoxin in bovine adrenocortical cells in monolayer culture: effect of adrenocorticotropin. Boggaram V, et al. **Arch Biochem Biophys** 1984 Jun; 231(2):518-23

Induction of synthesis of bovine adrenocortical cytochromes P-450scc, P-45011 beta, P-450C21, and adrenodoxin by prostaglandins E2 and F2 alpha and cholera toxin. Boggaram V, et al. **Arch Biochem Biophys** 1984 Jun; 231(2):271-9

Steroidogenic properties of phorbol ester and a Ca2+ ionophore in bovine adrenocortical cell suspensions. Culty M, et al. **Biochem Biophys Res Commun** 1984 Jun 15; 121(2):499-506

Steroidogenic effect of exogenous phospholipase C on bovine adrenal fasciculata cells. Hadjian AJ, et al. **Biochem Biophys Res Commun** 1984 Aug 30;123(1):33-40

Effects of polyene cholesterol-binding antibiotics on the binding and removal of cholesterol from bovine adrenocortical cytochrome P-450SCC: difference in properties of the membrane-bound and membrane-free cytochrome. Hsu DK, et al. **Biochem Int** 1983 Jul; 7(1):123-9

Regional differences in adrenocortical benzo[a]pyrene metabolism in guinea pigs. Eacho PI, et al. **Biochem Pharmacol** 1984 Jun 1;33(11):1811-3

Induction of synthesis of steroidogenic enzymes by corticotropin in bovine adrenocortical cells in culture. Simpson ER, et al. **Biochem Soc Trans** 1983 Dec; 11(6):653-5

Analysis of the adrenal angiotensin II receptor with the photoaffinity labeling method. Guillemette G, et al. **Biochemistry** 1983 Nov 22;22(24):5591-6

Effect of cholesterol and protein content on membrane fluidity and 3 beta-hydroxysteroid dehydrogenase activity in mitochondrial inner membranes of bovine adrenal cortex. De Paillerets C, et al. **Biochim Biophys Acta** 1984 May 16;772(2):183-91

The hormonal stimulation of high-density lipoprotein binding, internalization and degradation by cultured rat adrenal cortical cells. Fidge N, et al. **Biochim Biophys Acta** 1984 Apr 18;793(2):180-6

Stimulation of phosphatidylinositol turnover by acetylcholine, angiotensin II and ACTH in bovine adrenal fasciculata cells. Hadjian AJ, et al. **Biochim Biophys Acta** 1984 Aug 17;804(4):427-33

Temperature effects on optical absorption and circular dichroism of cytochrome P-450scc from bovine adrenocortical mitochondria. Hasumi H, et al. **Biochim Biophys Acta** 1984 Jun 14;787(2):152-7

High-density lipoprotein binding to bovine adrenal cortex membranes. Newton DE, et al. **Biochim Biophys Acta** 1984 Jul 6;794(2):194-205

Investigation of the apolipoprotein fraction of isolated rat adrenal and bovine adrenocortical lipid droplets. Tocher DR, et al. **Biochim Biophys Acta** 1983 Nov 29;754(2):159–65

Cholesterol metabolism in the rat adrenal cortex: acute temporal changes following stress. Alfano J, et al. **Can J Biochem Cell Biol** 1983 Jul;61(7):708–13

Domain map of the LDL receptor: sequence homology with the epidermal growth factor precursor. Russell DW, et al. **Cell** 1984 Jun;37(2):577–85

Origins of the differences in function of rat adrenal zona glomerulosa cells incubated as intact tissue and as collagenase-prepared cell suspensions. Raven PW, et al. **Cell Biochem Funct** 1983 Apr;1(1):17–24

A comparative study on the steroidogenic response due to training and ACTH treatment in the adrenal cortex of the male rat. Hough BJ, et al. **Comp Biochem Physiol [A]** 1984; 77(2):203–6

Cholesterol accumulation in adrenocortical mitochondria after ACTH-stimulation. Mukai S, et al. **Endocrinol Jpn** 1984 Apr;31(2):177–84

A possible regulatory role of Ca++-calmodulin system in cellular cholesterol ester hydrolysis in the steroidogenic response to ACTH in bovine adrenocortical cells. Sekimoto T, et al. **Endocrinol Jpn** 1983 Apr;30(2):199–204

Functional zonation of the guinea pig adrenal cortex: differences in mitochondrial steroid metabolism between the inner and outer zones. Eacho PI, et al. **Endocrinology** 1984 Apr;114(4):1463–5

Cortisol production by cells isolated from the outer and inner zones of the adrenal cortex of the guinea pig. Nishikawa T, et al. **Endocrinology** 1984 Feb;114(2):486–91

Adrenocortical responses to ether stress and neural stimuli in rats following the injection of 6-hydroxydopamine into the medial forebrain bundle. Feldman S, et al. **Exp Neurol** 1984 Jan;83(1):215–20

Effects of lithium on angiotensin-stimulated phosphatidylinositol turnover and aldosterone production in adrenal glomerulosa cells: a possible causal relationship. Balla T, et al. **FEBS Lett** 1984 Jun 11;171(2):179–82

Chronic hypocalcaemia does not affect cortisol production in response to ACTH stimulation in man. Usman A. **Horm Metab Res** 1983 Sep;15(9):462

Effect of growth hormone and corticotropin on steroidogenesis in cultured rat adrenocortical cells. Coyne MD. **Horm Res** 1984;19(3):185–90

Properties and requirements for production of a macrophage product which suppresses steroid production by adrenocortical cells. Mathison JC, et al. **Infect Immun** 1984 Aug;45(2):360–6

Transaminative pathway of glutamate oxidation in adrenal-cortex mitochondria. Litwińska D, et al. **Int J Biochem** 1984;16(8):943–6

Contributions of cytoplasmic free and membrane-bound ribosomes to the synthesis of NADPH-adrenodoxin reductase and adrenodoxin of bovine adrenal cortex mitochondria. Nabi N, et al. **J Biochem (Tokyo)** 1983 Nov; 94(5):1505–15

In vitro synthesis of NADPH-adrenodoxin reductase and adrenodoxin of bovine adrenal cortex, and the existence of a large precursor of adrenodoxin. Nabi N, et al. **J Biochem (Tokyo)** 1983 Nov;94(5):1529–38

Presence of a prepiece at the NH2-terminal end of pre-cytochrome P-450(SCC) peptide. Ogishima T, et al. **J Biochem (Tokyo)** 1984 May;95(5):1525–8

Correlation between cytosolic free Ca2+ and aldosterone production in bovine adrenal glomerulosa cells. Evidence for a difference in the mode of action of angiotensin II and potassium. Capponi AM, et al. **J Biol Chem** 1984 Jul 25;259(14):8863–9

Characterization of the acute stimulation of steroidogenesis in primary bovine adrenal cortical cell cultures. DiBartolomeis MJ, et al. **J Biol Chem** 1984 Aug 25; 259(16):10159–67

Discriminatory processing of the precursor forms of cytochrome P-450scc and adrenodoxin by adrenocortical and heart mitochondria. Matocha MF, et al. **J Biol Chem** 1984 Jul 10;259(13):8672–8

Oxygen dependence of adrenal cortex cholesterol side chain cleavage. Implications in the rate-limiting steps in steroidogenesis. Stevens VL, et al. **J Biol Chem** 1984 Jan 25;259(2):1174–9

Reconstitution of the low density lipoprotein receptor. Schneider WJ. **J Cell Biochem** 1983;23(1–4):95–106

Adrenocortical response to adrenocorticotropin in heterozygous familial hypercholesterolemia. Illingworth DR, et al. **J Clin Endocrinol Metab** 1984 Jan;58(1):206–11

Inhibition by etomidate of steroidogenesis in isolated bovine adrenal cells. Kenyon CJ, et al. **J Clin Endocrinol Metab** 1984 May;58(5):947–9

The prolonged stimulatory effect of ACTH on 11 beta-hydroxylation, and its contribution to the steroidogenic potency of adrenocortical cells. Lambert F, et al. **J Steroid Biochem** 1984 Apr;20(4A):863–8

ACTH sensitivity of isolated human pathological adrenocortical cells: variability of responses in aldosterone, corticosterone, deoxycorticosterone and cortisol production. Rácz K, et al. **J Steroid Biochem** 1984 May; 20(5):1187–94

Effect of ethanol on corticosterone production by dispersed adrenal cells of the rat. Guaza C, et al. **Life Sci** 1984 Sep 10;35(11):1191–6

Adrenal cortical function in homozygous familial hypercholesterolemia. Illingworth DR, et al. **Metabolism** 1983 Nov;32(11):1045–52

On the specificity of the inhibitory effect of trilostane and aminoglutethimide on adrenocortical steroidogenesis in guinea pig. Lambert F, et al. **Mol Cell Endocrinol** 1984 Aug;37(1):115–20

The interrelationship of polycyclic hydrocarbon metabolism and steroidogenesis in primary cultures of bovine adrenal cortical cells. Dibartolomeis MJ, et al. **Mol Pharmacol** 1984 May;25(3):476–86

The fetal adrenal gland: lipid distribution with associated intrauterine hypoxia. Delprado WJ, et al. **Pathology** 1984 Jan;16(1):25–9

cDNA cloning of the bovine low density lipoprotein receptor: feedback regulation of a receptor mRNA. Russell DW, et al. **Proc Natl Acad Sci USA** 1983 Dec;80(24):7501–5

Steroid control of steroidogenesis in isolated adrenocortical cells: molecular and species specificity. Carsia RV, et al. **Steroids** 1983 Jun;41(6):741–55

Steroidogenic refractoriness of bovine adrenocortical cells to dibutyryl cyclic AMP. Kramer RE, et al. **Steroids** 1983 Feb;41(2):207–23

Unconjugated and sulfoconjugated steroids in plasma and zones of the adrenal cortex of the guinea pig. Nishikawa T, et al. **Steroids** 1983 Jan;41(1):105–19

[Angiotensin II potentiates the effect of ACTH on the production of cyclic AMP by bovine adrenal cells in primary culture] Morera AM, et al. **C R Seances Acad Sci [III]** 1984;298(17):507–12 (Eng. Abstr.) **(Fre)**

[Demonstration of the biosynthesis of prostaglandins from arachidonic acid by rat adrenal cortex cells in culture] Jannin B, et al. **C R Soc Biol (Paris)** 1984;178(1):92–7 (Eng. Abstr.) **(Fre)**

[Metabolism of exogenous steroids in adrenal cortex rat cells in culture: establishment of hydroxylation in position 11-beta or 18] Ramirez LC, et al. **C R Soc Biol (Paris)** 1984;178(1):77–83 (Eng. Abstr.) **(Fre)**

[Regulation of hydroxylation in position 21 of steroids in adrenal cortex cells of newborn rats, in culture. Utilization of aminoglutethimide and of exogenous steroids] Raoux RJ, et al. **C R Soc Biol (Paris)** 1984;178(1):84–91 (Eng. Abstr.) **(Fre)**

[Changes in the combined activity of the thyroid and the fascicular zone of the adrenal cortical substance in the development of subcutaneous connective tissue inflammation during prolactin administration] Vasil'tsov MK, et al. **Arkh Anat Gistol Embriol** 1983 Dec;85(12):70–5 (Eng. Abstr.) **(Rus)**

[Decrease in the intensity of the EPR cytochrome P-450, adrenodoxine and free radical signals in the adrenal cortex of dogs under the effect of o,p-dichlorodiphenyldichloroethane] Mikosha AS, et al. **Probl Endokrinol (Mosk)** 1983 Sep-Oct;29(5):62–5 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Development of serum independence in Kirsten murine sarcoma virus-infected rat adrenal cells. Auersperg N, et al. **Carcinogenesis** 1984 Feb;5(2):175–81

PATHOLOGY

Microscopic postmortem changes in adrenal glands of the domestic fowl. Alejandro VS, et al. **Avian Dis** 1984 Apr-Jun;28(2):374–85

Macronodular adrenocortical hyperplasia in long-standing Cushing's disease. Smals AG, et al. **J Clin Endocrinol Metab** 1984 Jan;58(1):25–31

Striated adrenocortical cells in cerebro-hepato-renal (Zellweger) syndrome. Goldfischer S, et al. **Virchows Arch [A]** 1983;401(3):355–61

Carbon tetrachloride (CCl4) toxicity in the guinea pig adrenal cortex. Brogan WC 3d, et al. **W Va Med J** 1983 Dec; 79(12):274

[Histologic and electron microscopy studies of the adrenal cortex in cows with pulmonary tuberculosis] Jover A, et al. **DTW** 1983 Nov 7;90(11):486–90 (Eng. Abstr.) **(Ger)**

[Adrenoleukodystrophy with degeneration of gray matter and demyelination of gracile tracts] Taneda M, et al. **No To Shinkei** 1983 May;35(5):475–81 (Eng. Abstr.) **(Jpn)**

[Possibility of studying morphofunctional characteristics of interglandular relations within the neuroendocrine system based on multifactorial analysis by the spline method] Khmel'nitskiĭ OK, et al. **Arkh Patol** 1984;46(5):80–3 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Importance of the adrenal cortex for development and maintenance of hypertension in spontaneously hypertensive rats. Ruch W, et al. **Acta Endocrinol (Copenh)** 1984 Mar; 105(3):417–24

Effect of intracerebroventricular impromidine on pituitary-adrenocortical response to stress in rats. Bugajski J, et al. **Agents Actions** 1984 Jun;14(5–6):569–73

Viewing the ventromedial hypothalamus from the adrenal gland. Dallman MF. **Am J Physiol** 1984 Jan;246(1 Pt 2):R1–12 (105 ref.)

Salivary cortisol: a better measure of adrenal cortical function than serum cortisol. Vining RF, et al. **Ann Clin Biochem** 1983 Nov;20 (Pt 6):329–35

Adrenal-testicular-pituitary relationships in the cheetah subjected to anesthesia/electroejaculation. Wildt DE, et al. **Biol Reprod** 1984 Apr;30(3):665–72

Does adrenal cortex influence prolactin secretion? Evaluation in hirsute women. Tafaro E, et al. **Boll Soc Ital Biol Sper** 1983 Dec 30;59(12):1872–6

Drug-induced adrenal hypertrophy provides evidence for reset in the adrenocortical system. Akana SF, et al. **Endocrinology** 1983 Dec;113(6):2232–7

Permissive effect of insulin on the adenosine 3',5'-monophosphate-dependent up-regulation of low density lipoprotein receptors and the stimulation of steroid release in bovine adrenal cortical cells. Ill CR, et al. **Endocrinology** 1984 Mar;114(3):767–75

Evaluation of sympathoadrenal activity, adrenocortical function and androgenic status in five men during a Himalayan mountaineering expedition (ascent of Mt Pabil, 7,102 m, 23,294 ft). Guilland JC, et al. **Eur J Applied Physiol** 1984;52(2):156–62

Expression of differentiated functions in heterokaryons between skeletal myocytes, adrenal cells, fibroblasts and glial cells. Wright WE. **Exp Cell Res** 1984 Mar;151(1):55–69

Influence of lesions of the limbic-hypothalamic system on adrenocortical responses to daily repeated heat exposures in rabbits. Seto K, et al. **Exp Clin Endocrinol** 1983 Jul; 82(1):42–50

Corticoadrenal and behavioral response to open field in pairs of male rats either familiar or non-familiar to each other. Armario A, et al. **Experientia** 1983 Nov 15;39(11):1316–7

Role of the adrenal cortex in gastric mucosal protection by prostaglandins, sulfhydryls, and cimetidine in the rat. Szabo S, et al. **Gastroenterology** 1983 Dec;85(6):1384–90

Adrenocortical and adrenomedullary responses of fowl to treadmill exercise. Rees A, et al. **Gen Comp Endocrinol** 1984 Sep;55(3):488–92

Adrenocortical activity in athletes during frequent physical exercise in the course of the day. Yalak RV, et al. **Hum Physiol** 1983 May-Jun;9(3):184–8

Mediation of adrenocortical responses by medial forebrain bundle following frontal cortex stimulation. Feldman S, et al. **Isr J Med Sci** 1984 May;20(5):449–50

Comparison of 20-oxosteroids and cortisol in urine as parameters of adrenocortical function. Ritter MM, et al. **J Clin Chem Clin Biochem** 1983 Aug;21(8):527–8

Action of vasoactive intestinal peptide (VIP) on amphibian adrenocortical function, in vitro. Leboulenger F, et al. **Peptides (Fayetteville)** 1984 Mar-Apr;5(2):299–303

Consummatory behavior and adrenocortical responsiveness in the hamster. Weinberg J, et al. **Physiol Behav** 1983 Jul; 31(1):7–12

The influence of age on the activity of the renin-angiotensin system in rats with adrenal-regeneration hypertension. Pohlová I, et al. **Physiol Bohemoslov** 1983;32(5):438–48

Vasopressin and adrenal cortical interactions. Zimmerman EA, et al. **Prog Brain Res** 1983;60:493–504

Effect of naloxone administration upon responses of adrenal hormones to withdrawal from ethanol. Guaza C, et al. **Psychopharmacology (Berlin)** 1984;82(3):181–4

[Demonstration and quantitative analysis of mononuclear phagocytes (monocytes and tissue macrophages) in the sinusoid capillaries of the rat adrenal cortex] Dupuis-Dauvergne M, et al. **C R Seances Acad Sci [III]** 1984;298(18):535–40 (Eng. Abstr.) **(Fre)**

[Functional relations of the adrenal cortex, thyroid and pineal body. II. Adrenal cortex reaction following epiphysectomy and administration of melatonin] Peschke E, et al. **Gegenbaurs Morphol Jahrb** 1983;129(6):661–98 (Eng. Abstr.) **(Ger)**

[Functional relations between the adrenal cortex, thyroid gland and pineal body. I. Reactions of the adrenal cortex following interference with the thyroid regulatory cycle] Peschke E, et al. **Gegenbaurs Morphol Jahrb** 1983; 129(5):599–624 (Eng. Abstr.) **(Ger)**

[Function of the adrenal cortex during elaboration of the passive avoidance conditioned reflex in immature rats] Kulikova NA, et al. **Biull Eksp Biol Med** 1984 Jun; 97(6):645–7 (Eng. Abstr.) **(Rus)**

[Diurnal variation in glucose tolerance in rats after experimental changes in glucocorticoid rhythm] Mel'nikov VN, et al. **Biull Eksp Biol Med** 1983 Nov;96(11):112–5 (Eng. Abstr.) **(Rus)**

[Changes in the adrenocortical and sympathoadrenal activity in 8–9-year-old dogs during physical exertion and prostaglandin E2 administration] Ol'shanskaia TG, et al. **Biull Eksp Biol Med** 1983 Nov;96(11):56–9 (Eng. Abstr.) **(Rus)**

[Adrenal cortical and ovarian functions of healthy inhabitants and iron-deficiency anemia patients in an arid zone adapting to mountain conditions] Reznikov AG, et al. **Fiziol Zh** 1984 Jul-Aug;30(4):498–502 **(Rus)**

[Effect of stimulation and destruction of the ventromedial area of the hippocampus on various indices of the adrenal function] Shaplavskiĭ NV, et al. **Fiziol Zh** 1983 Jul-Aug; 29(4):464–7 **(Rus)**

PHYSIOPATHOLOGY

A comparison of the activity of the sympathoadrenal and adrenocortical system under inhalation anesthesia techniques. Abdulla YW, et al. **Acta Anaesthesiol Belg** 1983 Dec;34(4):257–64

Adrenocortical function in bronchial asthma. Fehér KG, et

al. **Acta Med Hung** 1983;40(2–3):125–31

Adrenocortical function in patients with acute renal failure. Dulawa J, et al. **Acta Med Pol** 1982;23(1–2):79–89

Pathophysiological interpretation of the Cushing's syndrome as the clinical picture of pathological hyperfunction of the neuroglandular circuit: hypothalamus–adenohypophysis–suprarenal gland cortex. Hrbek V. **Acta Univ Palacki Olomuc Fac Med** 1976; 80:147–55

Increased adrenal catecholamines in salt–sensitive genetically hypertensive Dahl rats. Saavedra JM, et al. **Am J Physiol** 1983 Nov;245(5 Pt 1):H762–6

Adrenocortical function in the acquired immunodeficiency syndrome [letter] Klein RS, et al. **Ann Intern Med** 1983 Oct;99(4):566

Mechanisms of adrenocortical depression during Escherichia coli shock. Catalano RD, et al. **Arch Surg** 1984 Feb; 119(2):145–50

Hypoxic and nycthemeral responses by the adrenal cortex of partially hepatectomized rats. Witek–Janusek L, et al. **Aviat Space Environ Med** 1984 Jun;55(6):538–41

Importance of serum androgens chromatography on the acth stimulated adrenal steroidogenesis evaluation in hirsute women. Tafaro E, et al. **Boll Soc Ital Biol Sper** 1983 Dec 30;59(12):1877–82

Glomerulosa failure in congenital adrenocortical unresponsiveness to ACTH. Davidai G, et al. **Clin Endocrinol (Oxf)** 1984 May;20(5):515–20

Influence of stress on adrenocortical function in the male tree shrew (Tupaia belangeri). Collins PM, et al. **Gen Comp Endocrinol** 1984 Sep;55(3):450–7

Loss of adrenocortical suppression after acute brain injury: role of increased intracranial pressure and brain stem function. Feibel J, et al. **J Clin Endocrinol Metab** 1983 Dec; 57(6):1245–50

Clinical aspects of the adrenal gland. Ibayashi H. **Jpn J Med** 1984 May;23(2):155–61

Primary hypoaldosteronism due to zona glomerulosa defect [letter] **N Engl J Med** 1984 May 24;310(21):1394–5

Acquired primary hypoaldosteronism due to an isolated zona glomerulosa defect. Williams FA Jr, et al. **N Engl J Med** 1983 Dec 29;309(26):1623–7

Effects of long term inhaled high dose beclomethasone dipropionate on adrenal function. Smith MJ, et al. **Thorax** 1983 Sep;38(9):676–81

[Effects of combined chemotherapy and radiotherapy on the hypothalamo–pituitary–gonadal axis and adrenocortical function in male patients with urogenital cancer] Mitsuhata N. **Nippon Hinyokika Gakkai Zasshi** 1983 Jun; 74(6):1023–43 (Eng. Abstr.) **(Jpn)**

[Endocrine function of the testes and glucocorticoid activity of the adrenal cortex in experimental sclerosis of the prostate] Imshinetskaia LP, et al. **Fiziol Zh** 1983 Jul–Aug; 29(4):473–6 **(Rus)**

[Analysis of the mechanisms of refractivity of the pituitary–adrenal system in rat ontogeny] Shaliapina VG, et al. **Probl Endokrinol (Mosk)** 1983 Sep–Oct;29(5):55–9 (Eng. Abstr.) **(Rus)**

[State of the sympathico–adrenal system during reflexotherapy of duodenal ulcer] Markelova VF, et al. **Ter Arkh** 1983;55(9):115–7 (Eng. Abstr.) **(Rus)**

[Adrenal glucocorticoid function in children with neurodermatitis] Miliavskaia IR, et al. **Vestn Dermatol Venerol** 1984 Mar;(3):44–8 (Eng. Abstr.) **(Rus)**

[Immune and hormonal response to dimethylnitrosamine] Kozhevnikova EP, et al. **Vopr Onkol** 1984;30(4):60–5 (Eng. Abstr.) **(Rus)**

[Adrenal function in rheumatoid arthritis] Babynina LIa. **Vrach Delo** 1984 Apr;(4):15–8 (Eng. Abstr.) **(Rus)**

[Functional state of the adrenal cortex in cancer] Tarutinov VI, et al. **Vrach Delo** 1983 Sep;(9):94–6 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Computed tomographic scanning versus radioisotope imaging in adrenocortical diagnosis. Guerin CK, et al. **Am J Med** 1983 Oct;75(4):653–7

The relationship of I–131 6 beta–iodomethyl–19–norcholesterol (NP–59) adrenal cortical uptake to indices of androgen secretion in women with hyperandrogenism. Gross MD, et al. **Clin Nucl Med** 1984 May;9(5):264–70

SECRETION

Light and darkness effect on adrenocortical secretion of rats exposed to stress. Paluch A, et al. **Acta Physiol Pol** 1983 Jul–Aug;34(4):431–5

The effect of conspecifics on corticoadrenal response of rats to a novel environment. Armario A, et al. **Behav Neural Biol** 1983 Mar;37(2):332–7

Effect of metoclopramide on aldosterone and regulatory factors in man. Gilchrist NL, et al. **Clin Endocrinol (Oxf)** 1984 Jul;21(1):1–7

Verapamil increases adrenocortical secretory reserve. Zofková I, et al. **Exp Clin Endocrinol** 1983 Jul;82(1):101–3

Dissociation of cortisol and adrenal androgen secretion in the hypophysectomized, adrenocorticotropin–replaced chimpanzee. Albertson BD, et al. **J Clin Endocrinol Metab** 1984 Jul;59(1):13–8

Different sensitivity to adrenocorticotropin of dispersed adrenocortical cells from patients with Cushing's disease with macronodular and diffuse adrenal hyperplasia. Lamberts SW, et al. **J Clin Endocrinol Metab** 1984 Jun; 58(6):1106–10

Adrenal and testicular function in boys affected by thalassemia. Pintor C, et al. **J Endocrinol Invest** 1984 Apr; 7(2):147–9

Dissociation between adrenal androgens and cortisol in Cushing's disease [letter] Anderson DC. **Lancet** 1984 Jul 21;2(8395):159

Dissociation between plasma adrenal androgens and cortisol in Cushing's disease and ectopic ACTH–producing tumour: relation to adrenarche. Hauffa BP, et al. **Lancet** 1984 Jun 23;1(8391):1373–6

Naloxone potentiates ACTH and angiotension II but not potassium stimulated aldosterone secretion, in vitro. Lymangrover JR, et al. **Life Sci** 1983 Oct 17;33(16):1605–12

Evidence for direct inhibitory effects of dopamine on zona glomerulosa secretion of 18–hydroxycorticosterone in rhesus monkeys. Sowers JR, et al. **Life Sci** 1984 Jun 11; 34(24):2339–46

Strangulation and adrenocortical secretion. Nakasono I, et al. **Nippon Hoigaku Zasshi** 1983 Aug;37(4):384–6

[Role of the epiphysis in the regulation of aldosterone secretion] Slepushkin VD, et al. **Probl Endokrinol (Mosk)** 1984 Jan–Feb;30(1):48–50 (Eng. Abstr.) **(Rus)**

[Effect of hyperstimulation of the vestibular analyzer on the adrenocorticotropic function of the hypophysis and adrenal cortex] Revskoĭ IuK, et al. **Vestn Otorinolaringol** 1984 Jan–Feb;(1):29–32 (Eng. Abstr.) **(Rus)**

[Functional characteristics of the endocrine glands in skin melanoma patients] Labunets IF, et al. **Vopr Onkol** 1984; 30(2):14–9 (Eng. Abstr.) **(Rus)**

[Status of the glucocorticoid function of the adrenal cortex in diabetes mellitus complicated by chronic pyelonephritis] Romanenko SA. **Vrach Delo** 1984 May;(5):44–7 (Eng. Abstr.) **(Rus)**

[Effect of lesions of the cerebral amygdaloid complex on basal and dexamethasone–induced corticosterone secretion] Montilla P, et al. **Arch Neurobiol (Madr)** 1983 Sep–Oct; 46(5):317–26 (Eng. Abstr.) **(Spa)**

TRANSPLANTATION

Indications for adrenal surgery in Cushing's syndrome. Hasner E. **Ann Chir Gynaecol** 1983;72(3):160–1

ULTRASTRUCTURE

Ultrastructural changes in rat adrenocortical cells produced by a 4–aminopyrazolopyrimidine (4–APP) dosage. Murakoshi M, et al. **Cell Struct Funct** 1984 Mar;9(1):13–23

A possible role of 'steroidogenic factor' in the corticoidogenic response to ACTH; effect of ACTH, cycloheximide and aminoglutethimide on the content of cholesterol in the outer and inner mitochondrial membrane of rat adrenal cortex. Ohno Y, et al. **Endocrinol Jpn** 1983 Jun;30(3):335–8

Ultrastructural peculiarities of the reaction of the zona reticularis cells of the adrenal cortex in endotoxin shock. Saakov BA, et al. **Folia Morphol (Praha)** 1983;31(3):225–9

Quantitative histological and electron microscopical investigations of endocrine organs of sand rats (Psammomys obesus) during the development of diabetes mellitus. Von Dorsche HH. **Histochem J** 1984 Apr; 16(4):409–11

Immunocytochemistry of the Microtubules of fat–laden cells. Brown fat cells and adrenocortical cells in primary monolayer culture. Sugihara H, et al. **Histochemistry** 1983; 79(2):227–36

Effect of cortisol on cyclic AMP production stimulated by 1–24 ACTH in adrenal cortex membranes. Cook DB, et al. **J Steroid Biochem** 1984 May;20(5):1113–5

Long–term effects of ACTH on rat adrenocortical cells: a coupled stereological and enzymological study. Nussdorfer GG, et al. **J Steroid Biochem** 1983 Dec;19(6):1753–6

The effect of cytochalasin D on steroid production and stress fiber organization in cultured bovine adrenocortical cells. Rainey WE, et al. **Mol Cell Endocrinol** 1984 May; 35(2–3):189–97

Lipid droplets in the adrenal cortex of the rat. Preservation after tannic acid–paraformaldehyde–glutaraldehyde fixation and extraction during staining. Nickerson PA. **Tissue Cell** 1983;15(6):975–82

[Action of 'nourishing shen yin' and 'warming shen yang' drugs on hypothalamo–pituitary–adrenal axis–inhibited model in rats—an ultrastructural observation of fasciculata zone of adrenal cortex] Yang LQ. **Chung Hsi I Chieh Ho Tsa Chih** 1983 Nov;3(6):353–6 (Eng. Abstr.) **(Chi)**

ADRENAL CORTEX DISEASES

CHEMICALLY INDUCED

Adrenal hemorrhage complicating anticoagulant therapy. Winternitz WW. **South Med J** 1983 Nov;76(11):1369–71

CONGENITAL

Glomerulosa failure in congenital adrenocortical unresponsiveness to ACTH. Davidai G, et al. **Clin Endocrinol (Oxf)** 1984 May;20(5):515–20

DIAGNOSIS

Computed tomographic scanning versus radioisotope imaging in adrenocortical diagnosis. Guerin CK, et al. **Am J Med** 1983 Oct;75(4):653–7

Selective ACTH insensitivity, achalasia, and alacrima: a multisystem disorder presenting in childhood. Geffner ME, et al. **Pediatr Res** 1983 Jul;17(7):532–6

PATHOLOGY

Bilateral primary pigmented nodular adrenocortical disease. Rare cause of the Cushing syndrome. Shenoy BV, et al. **Am J Surg Pathol** 1984 May;8(5):335–44

PHYSIOPATHOLOGY

Effects of experimental hyperadrenocorticism on the growth of the femur and tibia in normal and bipedal rats. Simon MR. **Acta Anat (Basel)** 1983;117(4):339–45

[Clinical aspects of the adrenal gland] Ibayashi H. **Nippon Naika Gakkai Zasshi** 1983 Sep;72(9):1125–42 (50 ref.) **(Jpn)**

RADIOGRAPHY

Adrenal cortex dysfunction: CT findings. Huebener KH, et al. **Radiology** 1984 Jan;150(1):195–9

SURGERY

Anaesthesia and disorders of the adrenal cortex. Weatherill D, et al. **Br J Anaesth** 1984 Jul;56(7):741–9 (101 ref.)

ADRENAL CORTEX FUNCTION TESTS see under **PITUITARY–ADRENAL FUNCTION TESTS**

ADRENAL CORTEX HORMONES

Dissolution rates of corticoid solutions dispersed on silicas. Liao CC, et al. **J Pharm Sci** 1984 Mar;73(3):401–3

Ultrastructural and morphometric study of corticosteroid glaucoma in rabbits. François J, et al. **Ophthalmic Res** 1984; 16(3):168–78

[Examples of purity criteria for steroid drugs] Cavina G, et al. **Ann Ist Super Sanita** 1982;18(4):677–80 **(Ita)**

[Corticoid–dependent form of bronchial asthma (problems of its clinical aspects, pathogenesis and treatment)] Chuchalin AG, et al. **Ter Arkh** 1984;56(3):142–50 (81 ref.) **(Rus)**

ADMINISTRATION & DOSAGE

Rational use of topical corticosteroids. Sherertz EF, et al. **Am Fam Physician** 1984 Jan;29(1):262–6

On the importance of route of administration of steroids [letter] Wightkin WT. **Am J Med** 1984 Feb;76(2):A82, A101

High–dose corticosteroids in the treatment of pulseless idioventricular rhythm. Carden DL. **Ann Emerg Med** 1984 Sep;13(9 Pt 2):817–9

Preliminary skin blood flow measurements appear unsuccessful for assessing topical corticosteroid effect. Amantea M, et al. **Arch Dermatol Res** 1983;275(6):419–20

The cardiopulmonary response to massive doses of steroids in patients with septic shock. Lucas CE, et al. **Arch Surg** 1984 May;119(5):537–41

Intranasal steroid treatment. Ward NO, et al. **Ariz Med** 1984 Feb;41(2):88–90

The effects of epidural injection of local anesthetics and corticosteroids on patients with lumbosciatic pain. Berman AT, et al. **Clin Orthop** 1984 Sep;(188):144–51

Medical education provided by a clinical pharmacist: impact on the use and cost of corticosteroid therapy in chronic obstructive pulmonary disease. Self TH, et al. **Drug Intell Clin Pharm** 1984 Mar;18(3):241–4

Antiemetic efficacy of high–dose corticosteroids and droperidol in cisplatin–induced emesis: a controlled trial with droperidol and metoclopramide. Donovitz GS, et al. **Gynecol Oncol** 1984 Jul;18(3):320–5

Steroids in immunologically mediated renal disease. Balow JE. **Hosp Pract** 1983 Nov;18(11):85–9, 93–8

Corticosteroids in autoimmune disease. Fauci AS. **Hosp Pract** 1983 Oct;18(10):99–103, 107–18, 113–4

Corticosteroid regimens in pediatric practice. Ellis EF. **Hosp Pract [Off]** 1984 May;19(5):143–7, 150–1

Topical corticosteroids in dermatologic disorders. Weston WL. **Hosp Pract [Off]** 1984 Jan;19(1):159–61, 165–6, 171–2 passim

Pseudomonas aeruginosa clearance in mice: comparison of tissue, strain, and corticosteroid effects. Nugent KM, et al. **Infect Immun** 1984 Mar;43(3):901–5

Efficacy of antifungal agents in the cornea. II. Influence of corticosteroids. O'Day DM, et al. **Invest Ophthalmol Vis Sci** 1984 Mar;25(3):331–5

Steroid injection for flexor tenosynovitis. Carlson CS Jr, et al. **J Hand Surg [Am]** 1984 Mar;9(2):286–7

Steroid therapy of dermatomyositis [letter] Patrone NA. **J Pediatr** 1984 Jul;105(1):176–7

Prenatal corticosteroid therapy to prevent respiratory distress syndrome [letter] Sepkowitz S. **J Pediatr** 1984 Aug; 105(2):338–9

High–dose corticosteroid therapy in the adult respiratory distress syndrome. Flick MR, et al. **JAMA** 1984 Feb 24; 251(8):1054–6

Debate. Intra–articular steroids. **Lancet** 1984 Feb 18; 1(8373):385–6

Mathematical model for hormonal therapy (vasopressin, corticoids) in cerebral collapse and malignant tumors of the brain (36 cases). Bernard-Weil E, et al. **Neurol Res** 1983;5(1):19–35

Corticosteroids in otolaryngology: intraturbinal injection. Mabry RL. **Otolaryngol Head Neck Surg** 1983 Dec; 91(6):717–20 (15 ref.)

Intralesional corticosteroid injections for infantile hemangiomas of the eyelid. Nelson LB, et al. **Pediatrics** 1984 Aug;74(2):241–5

Inflammatory involvement of the temporomandibular joint. Diagnostic and therapeutic aspects and a study of individuals with ankylosing spondylitis. Wenneberg B. **Swed Dent J [Suppl]** 1983;20:1–54

Combined fluid and corticosteroid therapy in septic shock in puppies. Connors RH, et al. **World J Surg** 1983 Sep; 7(5):661–8

[The dosage of externally-applied corticosteroids in dermatology] Polano MK. **Ned Tijdschr Geneeskd** 1984 Apr 28;128(17):821–2 **(Dut)**

[Corticosteroids used externally. 30 years' use and future perspectives] Pierard GE, et al. **Rev Med Liege** 1984 Feb 15;39(4):156–9 (Eng. Abstr.) **(Fre)**

[Inhalative steriod treatment in bronchial asthma] Stiksa G. **Schweiz Med Wochenschr** 1984 May 12;114(19):642–8 (Eng. Abstr.) **(Ger)**

[Modern aerosols in the treatment of obstructive respiratory tract diseases. 3. Inhalable corticoids] Heide D. **Z Arztl Fortbild (Jena)** 1984;78(2):49–51 **(Ger)**

[Use and abuse of topical corticosteroids in general practice] Pelfini C, et al. **G Ital Dermatol Venereol** 1984 Mar–Apr; 119(2):75–88 (Eng. Abstr.) **(Ita)**

[Topical corticosteroid therapy. Study of a possible absorption] Varotti C, et al. **G Ital Dermatol Venereol** 1983 Mar–Apr;118(2):119–21 (Eng. Abstr.) **(Ita)**

[Effect of CDDP administration on NK activity of human peripheral lymphocytes and its modification by corticosteroid as anti-emetic agent] Takahashi K, et al. **Gan To Kagaku Ryoho** 1984 Mar;11(3):492–6 (Eng. Abstr.) **(Jpn)**

[Role of ketotifen in the reduction of corticosteroid doses in steroid-dependent bronchial asthma] Madalińska M, et al. **Pol Arch Med Wewn** 1983 Nov–Dec;70(5–6):245–9 (Eng. Abstr.) **(Pol)**

[Effect of glucocorticosteroid preparations on immunologic indices and the functional status of the adrenal cortex in young children with cerebral palsy] Semenova KA, et al. **Pediatriia** 1983 Dec;(12):25–7 (Eng. Abstr.) **(Rus)**

[Hypophyseal-adrenal cortex system function after administration supraphysiological doses of corticosteroids on rabbits] Filaretov AA, et al. **Probl Endokrinol (Mosk)** 1984 Jul–Aug;30(4):56–9 (Eng. Abstr.) **(Rus)**

[Differential local therapy of mono-, oligoarthritis of the knee joint] Abasov ESh, et al. **Ter Arkh** 1983;55(7):104–8 (Eng. Abstr.) **(Rus)**

[Local applications of corticosteroids in dermatology] Naĭdenov IuN. **Voen Med Zh** 1983 Jul;(7):63–4 **(Rus)**

ADVERSE EFFECTS

Bone histomorphometry in corticosteroid-induced osteoporosis and Cushing's syndrome. Meunier PJ, et al. **Adv Exp Med Biol** 1984;171:191–200

Peptic ulcer disease in kidney transplant recipients. Feduska NJ, et al. **Am J Surg** 1984 Jul;148(1):51–7

Corticosteroid therapy and aseptic necrosis [letter] Parker LN. **Ann Intern Med** 1983 Dec;99(6):882

Linear hypopigmentation after intra-articular corticosteroid injection [letter] McCormack PC, et al. **Arch Dermatol** 1984 Jun;120(6):708–9

Mean wall thickness and formation periods of trabecular bone packets in corticosteroid-induced osteoporosis. Dempster DW, et al. **Calcif Tissue Int** 1983 Jul;35(4–5):410–7

Steroid-induced ocular hypertension in high myopia. Wang RF, et al. **Chin Med J [Engl]** 1984 Jan;97(1):24–8

ACTH dependent hypertension. Scoggins BA, et al. **Clin Exp Hypertens [A]** 1984;6(3):599–646 (149 ref.)

Steroid-induced mesenteric lipomatosis. Siskind BN, et al. **Comput Radiol** 1984 May–Jun;8(3):175–7

Allergic reactions to topical corticosteroids or their vehicles. Fisher AA. **Cutis** 1983 Aug;32(2):122, 129–32, 137 (26 ref.)

Corticosteroid-induced bone loss. A longitudinal study of alternate day therapy in patients with bronchial asthma using quantitative computed tomography. Rüegsegger P, et al. **Eur J Clin Pharmacol** 1983;25(5):615–20

Corticosteroids and bone: a review. Burckhardt P. **Horm Res** 1984;20(1):59–64 (44 ref.)

The role of corticosteroid therapy in infection. Grieco MH. **Hosp Pract [Off]** 1984 Mar;19(3):131–5, 139–43

Steroid-induced diabetes in pediatric renal transplant recipients. Fennell RS, et al. **Int J Pediatr Nephrol** 1983 Jun;4(2):103–7

Gastrointestinal and pancreatic complications after kidney transplantation. Brzowski R, et al. **Int Urol Nephrol** 1983; 15(1):93–101

Steroid-induced psychiatric syndromes. A report of 14 cases and a review of the literature. Lewis DA, et al. **J Affective Disord** 1983 Nov;5(4):319–32

Contact sensitivity to topical corticosteroids. Guin JD. **J Am Acad Dermatol** 1984 May;10(5 Pt 1):773–82 (101 ref.)

Determining causation—a case study: adrenocorticosteroids and osteoporosis. Should the fear of inducing clinically important osteoporosis influence the decision to prescribe adrenocorticosteroids? Guyatt GH, et al. **J Chronic Dis** 1984;37(5):343–52 (33 ref.)

Precipitation of hyperosmolar nonketotic diabetes on alternate-day corticosteroid therapy [letter] Lohr KM. **JAMA** 1984 Aug 3;252(5):628

Inhaled steroids and dysphonia [editorial] **Lancet** 1984 Feb 18;1(8373):375–6

Inhaled steroids and dysphonia [letter] Campbell IA. **Lancet** 1984 Mar 31;1(8379):744

Inhaled steroids and dysphonia [letter] Shenoi PM, et al. **Lancet** 1984 Mar 10;1(8376):577

Epidural depotcorticosteroids [letter] Cherry DA. **Med J Aust** 1983 Oct 29;2(9):420

Adrenocorticosteroid therapy and peptic-ulcer disease [letter] Conn HO, et al. **N Engl J Med** 1984 Jan 19; 310(3):201–2

Corticosteroid glaucoma. François J. **Ophthalmologica** 1984; 188(2):76–81

Hyperosmolar hyperglycemic nonketotic coma. A complication of short-term systemic corticosteroid use. Fujikawa LS, et al. **Ophthalmology (Rochester)** 1983 Oct; 90(10):1239–42

Do corticosteroids really alter mood? Mitchell DM, et al. **Postgrad Med J** 1984 Jul;60(705):467–70

Joint calcification following intra-articular corticosteroid therapy. Gilsanz V, et al. **Radiology** 1984 Jun;151(3):647–9

Dysphonia caused by inhaled steroids: recognition of a characteristic laryngeal abnormality [letter] Campbell IA. **Thorax** 1984 Sep;39(9):686

[Effect of long-term steroid treatment on the adrenal function in patients with kidney diseases] Shi MZ. **Chung Hua Nei Ko Tsa Chih** 1984 Feb;23(2):83–6 (Eng. Abstr.) **(Chi)**

[Diabetes induced by corticoids in 6 children after renal transplantation] Bakchine H, et al. **Arch Fr Pediatr** 1984 Apr;41(4):261–4 (Eng. Abstr.) **(Fre)**

[Pharmacokinetics of oral theophylline in asthmatic patients on long-term corticoid therapy] Albin H, et al. **Therapie** 1983 Jul–Aug;38(4):333–9 (Eng. Abstr.) **(Fre)**

[Corticosteroids, non-steroidal antirheumatic agents and the gastroduodenum] Börsch G. **Z Rheumatol** 1984 Jan–Feb; 43(1):1–8 (Eng. Abstr.) **(Ger)**

[Interactions with corticoids. Advantages and dangers] Fiegel G, et al. **ZFA (Stuttgart)** 1983 Sep 10;59(25):1367–71 **(Ger)**

[A case of rolled hair and the mechanism of its development] Baba S, et al. **Nippon Hifuka Gakkai Zasshi** 1984 Mar; 94(3):189–94 **(Jpn)**

[Adverse effects of local steroid treatment in allergic rhinitis] Frostad AB. **Tidsskr Nor Laegeforen** 1984 Jun 30; 104(19–21):1326 **(Nor)**

[Reactivation of tuberculosis in patients treated with corticosteroids] Haanaes OC, et al. **Tidsskr Nor Laegeforen** 1984 Jun 10;104(16):1136–7 (Eng. Abstr.) **(Nor)**

[Cases of activation of latent tuberculosis in adolescents undergoing corticosteroid therapy] Potapova EIa, et al. **Pediatriia** 1983 Dec;(12):43–4 **(Rus)**

[Exogenous hypercorticism (review of the literature)] Oleĭnik VA. **Vrach Delo** 1983 Dec;(12):6–10 (33 ref.) **(Rus)**

ANALYSIS

Proposals for the evaluation of the purity of steroids for pharmaceutical preparations by means of HPLC. Cavina G, et al. **Ann Ist Super Sanita** 1982;18(4):853–62

Charcot-Leyden, not corticosteroid, crystals [letter] Menard HA, et al. **Arthritis Rheum** 1983 Dec;26(12):1533

Solvent optimization of reversed-phase high-performance liquid chromatography for polar adrenal steroids using computer-predicted retentions. D'Agostino G, et al. **J Chromatogr** 1984 Jan 13;305(1):13–26

Carboxyl group catalysis of acyl transfer reactions in corticosteroid 17- and 21-monoesters. Anderson BD, et al. **J Pharm Sci** 1984 May;73(5):604–11

BIOSYNTHESIS

Recent advances in 21-hydroxylase deficiency. New MI, et al. **Annu Rev Med** 1984;35:649–63 (31 ref.)

Regulation by ACTH of steroid hormone biosynthesis in the adrenal cortex. Simpson ER, et al. **Can J Biochem Cell Biol** 1983 Jul;61(7):692–707 (140 ref.)

A comparative study on the steroidogenic response due to training and ACTH treatment in the adrenal cortex of the male rat. Hough BJ, et al. **Comp Biochem Physiol [A]** 1984; 77(2):203–6

In vitro maturation of steroidogenic capacity of ovine fetal and neonatal adrenal cells. Durand P, et al. **Endocrinology** 1984 Apr;114(4):1128–34

The anomalous effect of some ACTH-fragments missing the amino acid sequence 1–10 on the corticosteroidogenesis in purified isolated rat adrenal cells. Goverde HJ, et al. **FEBS Lett** 1984 Jul 23;173(1):23–6

Effect of growth hormone and corticotropin on steroidogenesis in cultured rat adrenocortical cells. Coyne MD. **Horm Res** 1984;19(3):185–90

Characterization of the acute stimulation of steroidogenesis in primary bovine adrenal cortical cell cultures. DiBartolomeis MJ, et al. **J Biol Chem** 1984 Aug 25; 259(16):10159–67

Inhibition by etomidate of steroidogenesis in isolated bovine adrenal cells. Kenyon CJ, et al. **J Clin Endocrinol Metab** 1984 May;58(5):947–9

The effects of canrenoate K on corticosteroid biosynthesis in nephrectomized dogs. Lasaridis AN, et al. **J Steroid Biochem** 1984 Apr;20(4A):923–9

ACTH sensitivity of isolated human pathological adrenocortical cells: variability of responses in aldosterone, corticosterone, deoxycorticosterone and cortisol production. Rácz K, et al. **J Steroid Biochem** 1984 May; 20(5):1187–94

Varying the duration of A23187 administration alters its effect on adrenal steroidogenesis. Lymangrover JR, et al. **Life Sci** 1984 Jan 23;34(4):371–7

The effect of cytochalasin D on steroid production and stress fiber organization in cultured bovine adrenocortical cells. Rainey WE, et al. **Mol Cell Endocrinol** 1984 May; 35(2–3):189–97

Inhibition of adrenal steroidogenesis by the anesthetic etomidate. Wagner RL, et al. **N Engl J Med** 1984 May 31;310(22):1415–21

The reversibility of the effects of ACTH and cytochalasin B on the ultrastructure and steroidogenic activity of adrenocortical tumor cells in vitro. Mattson P, et al. **Tissue Cell** 1983;15(5):805–21

[Regulation of hydroxylation in position 21 of steroids in adrenal cortex cells of newborn rats, in culture. Utilization of aminoglutethimide and of exogenous steroids] Raoux RJ, et al. **C R Soc Biol (Paris)** 1984;178(1):84–91 (Eng. Abstr.) **(Fre)**

BLOOD

Diurnal variation of steroid hormones in maternal serum during late pregnancy. Jawad MJ, et al. **Am J Obstet Gynecol** 1984 Feb 1;148(3):339–40

Vasopressin, ACTH, and blood pressure during hypoxia induced at different rates. Raff H, et al. **Am J Physiol** 1983 Nov;245(5 Pt 1):E489–93

On-line extraction, evaporation, and injection for liquid chromatographic determination of serum corticosteroids. Oka K, et al. **Anal Chem** 1984 Jan;56(1):24–7

Altered blood levels of corticosteroids in the rat after exposure to 2,3,7,8-tetrachlorodibenzo-p-dioxin. Balk JL, et al. **Biochem Pharmacol** 1984 Aug 1;33(15):2531–4

Changes in the concentrations of corticosteroids in the blood of fetal pigs and their dams during late gestation and labor. Randall GC. **Biol Reprod** 1983 Dec;29(5):1077–84

Acute effects of cold on blood pressure, renin-angiotensin-aldosterone system, catecholamines and adrenal steroids in man. Hiramatsu K, et al. **Clin Exp Pharmacol Physiol** 1984 Mar–Apr;11(2):171–9

Seasonal relationships of thyroid, sexual and adrenocortical hormones to nutritional parameters and climatic factors in white-tailed deer (Odocoileus virginianus) of south Texas. Chao CC, et al. **Comp Biochem Physiol [A]** 1984; 77(2):299–306

High-performance liquid chromatography of corticosteroids in vertebrate plasma: assay of cortisol in mullet and corticosterone in the rat. Thomas P, et al. **Comp Biochem Physiol [B]** 1984;78(2):473–9

Levels of adrenal and gonadal hormones in rhesus monkeys during chronic hypokinesia. Goncharov NP, et al. **Endocrinology** 1984 Jul;115(1):129–35

Feedback inhibition of adrenocorticotropin and vasopressin responses to hypoxia by physiological increases in endogenous plasma corticosteroids in dogs. Raff H, et al. **Endocrinology** 1984 Apr;114(4):1245–9

The effect of long-acting ACTH on plasma corticosteroids, testosterone, and LH levels in the male pig. Pitzel L, et al. **Exp Clin Endocrinol** 1984 Mar;83(1):14–20

Effect of hypercalcaemia on adrenocortical and growth hormone secretion. Zofková I, et al. **Exp Clin Endocrinol** 1983 Jul;82(1):91–6

Corticosteroids in serum of Rana catesbeiana during development and metamorphosis. Krug EC, et al. **Gen Comp Endocrinol** 1983 Nov;52(2):232–41

The effect of social isolation on androgen and corticosteroid levels in a cichlid fish (Haplochromis burtoni) and in swordtails (Xiphophorus helleri). Hannes RP, et al. **Horm Behav** 1983 Sep;17(3):292–301

Adrenal steroid responses to ACTH in glucocorticoid-suppressible aldosteronism. Ganguly A, et al. **Hypertension** 1984 Jul–Aug;6(4):563–7

Chronic low-sodium diet in rats: hormonal and physiological effects during exercise in the heat. Francesconi RP, et al. **J Appl Physiol** 1983 Sep;55(3):870–4

Adrenal hormones and liver cAMP in exercising rats—different modes of anesthesia. Winder WW, et al. **J Appl Physiol** 1983 Nov;55(5):1634–6

Longitudinal studies of plasma aldosterone, corticosterone, deoxycorticosterone, progesterone, 17-hydroxyprogesterone, cortisol, and cortisone determined simultaneously in mother and child at birth and during the early neonatal period. I. Spontaneous delivery. Sippell WG, et al. **J Clin Endocrinol Metab** 1978 Jun; 46(6):971–85

C21 steroids and transcortin-type protein during delayed implantation in the European badger Meles meles L. Bonnin M, et al. **J Steroid Biochem** 1984 Feb;20(2):575–80

[Neuroendocrine effects of benzodiazepines] Mormède P. **Encephale** 1983;9(4 Suppl 2):191B–196B (25 ref.) (Eng. Abstr.) **(Fre)**

[Transdermal salicylate absorption and behavior of

corticosteroid plasma levels during epidermal administration of an antiphlogistic ointment] Dasch W, et al. **Arzneimittelforsch** 1983;33(8):1196–9 (Eng. Abstr.) **(Ger)**

[Steroid hormone profile in pregnant cows following laparotomy with special reference to the further course of pregnancy] Janowski T, et al. **Zentralbl Veterinarmed [A]** 1984 Mar;31(2):119–31 (Eng. Abstr.) **(Ger)**

[Steroid hormone profiles in pregnant cows following exposure to noise stress, with special reference to corticosteroids] Zöldág L, et al. **Zentralbl Veterinarmed [A]** 1983 Dec;30(10):737–48 (Eng. Abstr.) **(Ger)**

[The study of pituitary and adrenal cortical hormones before and after surgery] Ashiki A. **Nippon Hinyokika Gakkai Zasshi** 1983 Sep;74(9):1661–73 (Eng. Abstr.) **(Jpn)**

DIAGNOSTIC USE

Steroid responsiveness [letter] Steinherz R, et al. **Am J Dis Child** 1983 Nov;137(11):1129–30

IMMUNOLOGY

Relative immunosuppressive potency of various corticosteroids measured in vitro. Langhoff E, et al. **Eur J Clin Pharmacol** 1983;25(4):459–62

[Changes in the cellular–humoral immune reactivity of patients with lupus nephritis and chronic glomerulonephritis treated with corticosteroids or corticosteroids and imuran] Stefanova G, et al. **Vutr Boles** 1983;22(5):65–71 (Eng. Abstr.) **(Bul)**

[Effect of catecholamines and corticosteroids on the cyclic nucleotide level in the splenic cells of immunized and nonimmunized rats] Poltavchenko GM, et al. **Fiziol Zh SSSR** 1984 Feb;70(2):231–8 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

High-pressure liquid chromatographic separation of a mixture of corticosteroids, androgens, and progestins. Huang FL, et al. **Arch Biochem Biophys** 1983 Sep; 225(2):512–7

METABOLISM

Evidence of corticosteroid action along the nephron. Marver D. **Am J Physiol** 1984 Feb;246(2 Pt 2):F111–23 (83 ref.)

The role of corticosteroids in the regulation of myocardial Na, K–ATPase in normotensive and spontaneously hypertensive rats. Stern N, et al. **Clin Sci** 1984 Apr; 66(4):421–6

Stress- and (1–24)ACTH–induced alterations in adrenal and testicular steroidogenesis in Mongolian gerbils (Meriones unguiculatus): comparison of plasma levels, tissue content and in vitro secretion. Fenske M. **Comp Biochem Physiol [A]** 1984;77(4):745–8

Corticosteroids as effectors of lipid polymorphism of dielaidoylglycerophosphoethanolamine. A study using 31P NMR and differential scanning calorimetry. Gallay J, et al. **Eur J Biochem** 1984 Jul 2;142(1):105–12

Side effects of rifampicin [letter] Chaudhury M. **Lepr India** 1983 Jul;55(3):631

Conversion of progesterone to corticosteroids by the midterm fetal adrenal and kidney. McShane PM, et al. **Steroids** 1983 Sep;42(3):299–310

[Metabolism of exogenous steroids in adrenal cortex rat cells in culture: establishment of hydroxylation in position 11–beta or 18] Ramirez LC, et al. **C R Soc Biol (Paris)** 1984;178(1):77–83 (Eng. Abstr.) **(Fre)**

[Status of the glucocorticoid function of the adrenal cortex in diabetes mellitus complicated by chronic pyelonephritis] Romanenko SA. **Vrach Delo** 1984 May;(5):44–7 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Corticosteroid teratogenicity. Rowland JM, et al. **Adv Vet Sci Comp Med** 1983;27:99–128 (191 ref.)

Effects of sarcoid and steroids on angiotensin–converting enzyme. Baughman RP, et al. **Am Rev Respir Dis** 1983 Oct;128(4):631–3

The influence of corticosteroids on ileostomy discharge of patients operated for ulcerative colitis. Feretis CB, et al. **Am Surg** 1984 Aug;50(8):433–6

Topical adrenal steroids and patch tests [letter] Fisher AA. **Arch Dermatol** 1983 Dec;119(12):956

Interactions of cholinesterase inhibitors and corticosteroids with the hypnotic effect of benzodiazepines in mice. Leeuwin RS. **Arch Int Pharmacodyn Ther** 1984 May; 269(1):34–41

Plant steroid hormones. Geuns JM. **Biochem Soc Trans** 1983 Oct;11(5):543–8

Accumulation of glycoprotein gonadotropin in the pituitary of juvenile rainbow trout in response to androgens and C21–steroids, including 11–steroids. van den Hurk R, et al. **Cell Tissue Res** 1984;235(3):635–42

'How do adrenocortical steroid hormones produce hypertension?' Scoggins BA, et al. **Clin Exp Hypertens [A]** 1984;6(1–2):315–28

Effects of adrenalectomy and adrenal steroids on the uptake of serotonin in rat platelets. Lee PH, et al. **Clin Exp Pharmacol Physiol** 1984 Jan–Feb;11(1):53–9

Calmodulin activity in corticosteroid–induced osteopenia. Lehman WL, et al. **Clin Orthop** 1984 Jul–Aug;(187):300–7

The influence on the dermal cellular infiltrate of topical steroid applications and vehicles in guinea pig skin: normal skin, allergic and toxic reactions. Anderson CD, et al. **Contact Dermatitis** 1984 Apr;10(4):193–200

Studies on corticoid action on the toad tadpole tail in vitro. Kikuyama S, et al. **Gen Comp Endocrinol** 1983 Dec; 52(3):395–9

The in vivo effects of corticosteroids on thymocyte subsets in myasthenia gravis. Berrih S, et al. **J Clin Immunol** 1984 Mar;4(2):92–7

Corticosteroid effects on circulating lymphocyte subset levels in normal humans. Zweiman B, et al. **J Clin Immunol** 1984 Mar;4(2):151–5

Effect of corticosteroids on neutrophil function: inhibition of antibody–dependent cell mediated cytotoxicity (ADCC). Capsoni F, et al. **J Immunopharmacol** 1983;5(3):217–30

The contractility of fibroblasts in a collagen lattice is reduced by corticosteroids. Coulomb B, et al. **J Invest Dermatol** 1984 Apr;82(4):341–4

Morphologic investigations on the rebound phenomenon after corticosteroid–induced atrophy in human skin. Zheng PS, et al. **J Invest Dermatol** 1984 Apr;82(4):345–52

Influence of corticosteroids on prolactin release from anterior pituitary cell aggregates cultured in serum–free medium. Differential effects on dopamine–induced inhibition, post–dopamine rebound and stimulation by TRH, vasoactive intestinal peptide (VIP), angiotensin II and isoproterenol. Denef C, et al. **J Steroid Biochem** 1984 Jan; 20(1):197–202

Vasogenic edema with intraparenchymatous expanding mass lesions: a theory on its pathophysiology and mode of action of hyperventilation and corticosteroids. Casanova MF. **Med Hypotheses** 1984 Apr;13(4):439–50

Direct effects of corticosteroids on in vitro collagen production by normal and damaged lung tissue. Kehrer JP, et al. **Toxicology** 1983;28(3):235–46

[Mechanism of mixed function oxidase inhibition by corticosteroids] Tancheva L, et al. **Eksp Med Morfol** 1983; 22(1):7–11 **(Bul)**

[Effect of osmotic diuretics, enzyme–inhibiting diuretics and neuroleptics on cerebral perfusion pressure] Millet A. **Agressologie** 1983 Oct;24(9):453–9 (91 ref.) (Eng. Abstr.) **(Fre)**

[Experimental animal studies of the behavior of dental hard tissue as affected by corticoids] Radtke G. **Zahn Mund Kieferheilkd** 1984;72(2):123–7 (Eng. Abstr.) **(Ger)**

[Dynamics of the interaction of hypothalamic, reticular and limbic structures and the neocortex as affected by corticosteroids] Mayshenko NM. **Biol Nauki** 1983;(8):52–9 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Regulatory proteolysis during corticosteroid hormone action. Agarwal MK. **Adv Exp Med Biol** 1984;167:129–40

Regulation of beta–adrenergic receptors by steroid hormones. Davies AO, et al. **Annu Rev Physiol** 1984;46:119–30 (51 ref.)

Corticosteroid modulation of the renin system and blood pressure in the spontaneously hypertensive rat. Stern N, et al. **Clin Exp Hypertens [A]** 1983;5(9):1543–57

Corticosteroid inhibition of ACTH secretion. Keller–Wood ME, et al. **Endocr Rev** 1984 Winter;5(1):1–24 (176 ref.)

Thyroid hormones, gonadal and adrenocortical steroids and the function of the islets of Langerhans. Lenzen S, et al. **Endocr Rev** 1984 Summer;5(3):411–34 (345 ref.)

Corticosteroids and control of nasal salt gland function in the lizard Tiliqua rugosa. Bradshaw SD, et al. **Gen Comp Endocrinol** 1984 May;54(2):308–13

Estrogens and the hypothalamo–pituitary–adrenal axis in man: evidence for normal feedback regulation by corticosteroids. Baumann G. **J Clin Endocrinol Metab** 1983 Dec;57(6):1193–7

Corticosteroid regulation of electrolytes. Weber CE. **J Theor Biol** 1983 Oct 7;104(3):443–9

Regulation of adenosine–3',5'–monophosphate levels in rat anterior pituitary by adrenal corticoids. Tornello S, et al. **Metabolism** 1984 Mar;33(3):224–9

Hormonal control of the expression of a portion of the mitochondrial genome in animal cells. Minchenko AG. **Neurosci Behav Physiol** 1982 Nov–Dec;12(6):514–8

Strain difference in fear between spontaneously hypertensive and normotensive rats is mediated by adrenal cortical hormones. Sakaguchi A, et al. **Neurosci Lett** 1984 Apr 20; 46(1):59–64

Adrenal–pituitary axis and the opiate system; corticosteroid–adrencorticotropic hormones and the opiate system. Mousa S, et al. **Subst Alcohol Actions Misuse** 1983; 4(1):1–18 (83 ref.)

[Steroid receptors in the central nervous system. Implications in neurology] Poisson M, et al. **Rev Neurol (Paris)** 1984; 140(4):233–48 (111 ref.) (Eng. Abstr.) **(Fre)**

SECRETION

ACTH control of steroid secretion from adrenal cells of the developing rhesus monkey (Macaca mulatta). Roebuck MM, et al. **Acta Endocrinol (Copenh)** 1984 Apr; 105(4):545–51

Comparison between adrenal steroid secretion after stimulation with two synthetic analogues of corticotropin : ACTH 1–24 and ACTH 1–17. Massucchetti C, et al. **Boll Soc Ital Biol Sper** 1983 Oct 30;59(10):1423–8

Effects of aminoglutethimide on adrenal steroid secretion. Vermeulen A, et al. **Clin Endocrinol (Oxf)** 1983 Dec; 19(6):673–82

Permissive effect of insulin on the adenosine 3',5'–monophosphate–dependent up–regulation of low density lipoprotein receptors and the stimulation of steroid release in bovine adrenal cortical cells. Ill CR, et al. **Endocrinology** 1984 Mar;114(3):767–75

Effect of nifedipine on the adrenocortical and somatotrophic secretory reserve and TSH and thyroid hormone plasma levels. Zofková I, et al. **Exp Clin Endocrinol** 1983 Jul; 82(1):97–100

Adrenal corticoid hyperresponsiveness in hirsute women. Meikle AW, et al. **Fertil Steril** 1984 Apr;41(4):575–9

Hypothalamic and pituitary periodicity demonstrated by isolated rat adrenal cells. Magrane DR, et al. **Steroids** 1982 Nov;40(5):487–501

[Therapy of endocrine–active adrenal cortex carcinoma] Lüscher T, et al. **Dtsch Med Wochenschr** 1984 Mar 2; 109(9):347–9 **(Ger)**

[Endocrine–active adreno cortical carcinoma: clinical forms and differential diagnosis] Lüscher T, et al. **Dtsch Med Wochenschr** 1984 Mar 2;109(9):345–7 **(Ger)**

[Malignant corticosteroma of a dystopic adrenal gland] Zubko VI, et al. **Klin Khir** 1984 May;(5):49–50 **(Rus)**

[Hormonal changes during pregnancy] Polozhenkova LA, et al. **Sov Med** 1983;(11):43–8 **(Rus)**

THERAPEUTIC USE

Corticosteroid treatment of croup [letter] Lacroix J, et al. **Am J Dis Child** 1984 Jul;138(7):699–700

Corticosteroid therapy for chronic active hepatitis. **Am J Gastroenterol** 1984 Jul;79(7):573–5 (29 ref.)

Corticosteroid therapy after anterior radial keratotomy in Primates. Yamaguchi T, et al. **Am J Ophthalmol** 1984 Feb; 97(2):215–20

Comparison of gallium–67 scanning, bronchoalveolar lavage, and serum angiotensin–converting enzyme levels in pulmonary sarcoidosis. Predicting response to therapy. Baughman RP, et al. **Am Rev Respir Dis** 1984 May; 129(5):676–81

Bronchoalveolar lavage in eosinophilic pneumonia before and during corticosteroid therapy. Dejaegher P, et al. **Am Rev Respir Dis** 1984 Apr;129(4):631–2

Homosexuality, steroid therapy, and histoplasmosis [letter] Kaur J, et al. **Ann Intern Med** 1983 Oct;99(4):567

Fat embolism prophylaxis with corticosteroids. A prospective study in high–risk patients. Schonfeld SA, et al. **Ann Intern Med** 1983 Oct;99(4):438–43

Is there a place for cortico[illegible]ds or immune modulation in treating Reiter's syndrome and ankylosing spondylitis? Rosenthal M. **Ann Rheum Dis** 1979;38 Suppl 1:suppl 100–1

Adjuvant therapy of pemphigus. Bystryn JC. **Arch Dermatol** 1984 Jul;120(7):941–51 (69 ref.)

Pediatric pemphigus vulgaris. Treatment with topical adrenal steroids. Hempstead RW, et al. **Arch Dermatol** 1984 Jul; 120(7):962–3

Alterations in leukocyte aryl hydrocarbon hydroxylase activity associated with treatment and age in psoriasis patients and healthy individuals. Kraemer KH, et al. **Arch Dermatol Res** 1984;276(2):105–10

Systemic steroids or aminocaproic acid in the management of traumatic hyphema?—Yes! [letter] Romano P. **Arch Ophthalmol** 1984 Feb;102(2):189, 192

Topical corticosteroids. Gambrill J, et al. **Aust Fam Physician** 1984 Jan;13(1):45–7 (10 ref.)

Interim evaluation of two cooperative studies assessing the effects of intravenous immunoglobulin (i.v. IgG) on childhood idiopathic thrombocytopenic purpura (ITP): I. Randomized study comparing i.v. IgG with oral corticosteroids in previously untreated acute ITP. II. Prospective study of i.v. IgG in acute and chronic ITP unresponsive to previous treatment. Imbach P, et al. **Blut** 1984 Jun;48(6):357–61

Leprosy masked by steroids. Prendiville JS, et al. **Br Med J [Clin Res]** 1984 Mar 10;288(6419):770–1

Corticosteroids in chronic bronchitis [editorial] Rudd R. **Br Med J [Clin Res]** 1984 May 26;288(6430):1553–4

Acute vascular complications in the fundus of the eye after the sudden stopping of corticosteroid therapy for rheumatoid arthritis. Leys A, et al. **Bull Soc Belge Ophtalmol** 1982;201:29–32

Possible recurrence of amiodarone pulmonary toxicity following corticosteroid therapy. Joelson J, et al. **Chest** 1984 Feb;85(2):284–6

The nephrotic syndrome in IgA glomerulonephritis: response to corticosteroid therapy. Mustonen J, et al. **Clin Nephrol** 1983 Oct;20(4):172–6

Drug therapy in autoimmune diseases. Gabbe SG. **Clin Obstet Gynecol** 1983 Sep;26(3):635–41 (42 ref.)

Adrenal corticosteroids in the treatment of asthma. Siegel SC. **Clin Rev Allergy** 1983 Mar;1(1):123–46 (117 ref.)

Systemic lupus erythematosus—corticosteroids. Kaplan D. **Clin Rheum Dis** 1983 Dec;9(3):601–16

Symposium: Asthma treatment—a time for change? **Eur J Respir Dis [Suppl]** 1983;126:91–9

The pathophysiology and treatment of asthma with bronchodilators and inhaled steroids. Kerrebijn KF.

Eur J Respir Dis [Suppl] 1984;136:213–22
Asthma—site of airway obstruction and aerosol deposition. Mossberg B. **Eur J Respir Dis [Suppl]** 1984;136:49–53
New thoughts about the mechanisms of action of corticosteroids and theophylline in asthma. Svedmyr N. **Eur J Respir Dis [Suppl]** 1984;136:115–20
Treatment of Crohn's disease [letter] Roberts IM, et al. **Gastroenterology** 1984 Aug;87(2):479–80
Corticosteroids and uveitis (letter). Barton LL. **Hosp Pract** 1983 Nov;18(11):23
Steroids in chronic liver and inflammatory bowel diseases. Singleton JW. **Hosp Pract** 1983 Dec;18(12):97–111
Corticosteroids in neurologic disease. Ellison GW. **Hosp Pract [Off]** 1984 Apr;19(4):105–9, 113–5
Corticosteroid therapy of ophthalmologic diseases. Roberts AM, et al. **Hosp Pract [Off]** 1984 Feb;19(2):181–7, 191–2, 195–6
Corticosteroid therapy in the treatment of cutaneous hemangioma of infancy and childhood. Sharma LK, et al. **Indian J Pediatr** 1983 Mar–Apr;50(403):153–6
Immunosuppressive treatment of chronic HBsAg-positive hepatitis in childhood. Tolentino P, et al. **Infection** 1983 Sep–Oct;11(5):255–9
Clinical remission after corticosteroid therapy of acquired myasthenia in three dogs. Maddison JE, et al. **J Am Vet Med Assoc** 1984 Apr 1;184(7):845–8
Electrocardiogram of the month. Vagotonia. Jones KG. **J Arkansas Med Soc** 1984 Jul;81(2):128–9
Caudal epidural injections in treatment of lumbo-sciatic syndrome. Thakkar CJ, et al. **J Assoc Physicians India** 1983 Dec;31(12):787–8
The use of steroids in shock. Smith JA. **J R Coll Surg Edinb** 1983 Jul;28(4):214–8
Bloodspot 17 alpha-hydroxyprogesterone radioimmunoassay for diagnosis of congenital adrenal hyperplasia and home monitoring of corticosteroid replacement therapy. Riordan FA, et al. **Lancet** 1984 Mar 31;1(8379):708–11
Corticosteroid management of airway hemangiomas: long-term follow-up. Hawkins DB, et al. **Laryngoscope** 1984 May;94(5 Pt 1):633–7
Risk-benefit considerations in the management of polymyalgia rheumatica. Chang RW, et al. **Med Decis Making** 1983;3(4):459–75
Current concepts in the role of steroids in the treatment of sprains and strains. Cox JS. **Med Sci Sports Exerc** 1984 Jun;16(3):216–8
Zinc metabolism in adrenal cortical insufficiency: effects of carbohydrate-active steroids. Henkin RI, et al. **Metabolism** 1984 Jun;33(6):491–501
Corticosteroid in the treatment of cerebral malaria. Rampengan TH, et al. **Paediatr Indones** 1984 Jan–Feb; 24(1–2):11–6
Corticosteroids in the treatment of allergic disease: principles and practice. Shapiro GG. **Pediatr Clin North Am** 1983 Oct;30(5):955–71 (56 ref.)
Failure of corticosteroid therapy to prevent diphtheritic myocarditis or neuritis. Thisyakorn U, et al. **Pediatr Infect Dis** 1984 Mar–Apr;3(2):126–8
Pathogenesis and treatment of infant skin strawberry hemangiomas: clinical and in vitro studies of hormonal effects. Sasaki GH, et al. **Plast Reconstr Surg** 1984 Mar; 73(3):359–70
Cadaveric renal transplantation under cyclosporine-steroid therapy. Rosenthal JT, et al. **Surg Gynecol Obstet** 1983 Oct;157(4):309–15
Prophylaxis and therapy of aphakic cystoid macular edema. Jampol LM, et al. **Surv Ophthalmol** 1984 May;28 Suppl:535–9 (52 ref.)
[Corticosteroids and premature labor] Iarükov A. **Akush Ginekol (Sofiia)** 1984;23(2):183–6 (22 ref.) (Eng. Abstr.) **(Bul)**
[Therapeutic effect of traditional Chinese medicine-western medicine on severe jaundice of hepatitis] Huang HZ. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Feb;4(2):84–5 (Eng. Abstr.) **(Chi)**
[Comparison of jaundice-reducing effect of drugs for eliminating pathogenic heat from blood and invigorating blood circulation, corticosteroids and toxic heat-removing drugs in the treatment of cholestatic hepatitis] Wang CB. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Feb;4(2):80–3 (Eng. Abstr.) **(Chi)**
[Treatment of herpes zoster] Revuz J, et al. **Ann Dermatol Venereol** 1983;110(6–7):507–11 (Eng. Abstr.) **(Fre)**
[Outcome, treatment and prognosis of Horton's disease] Barrier J, et al. **Ann Med Interne (Paris)** 1983;134(5):428–35 (Eng. Abstr.) **(Fre)**
[Nephrotic syndrome with minimal glomerular lesions, sensitive to corticoids, disclosing a chordoid sarcoma] Hillion D, et al. **Ann Med Interne (Paris)** 1984;135(4):274–7 (Eng. Abstr.) **(Fre)**
[Acyclovir and trifluorothymidine in herpetic kerato-uveitis. A comparative clinical study. Indications for corticoid therapy] Hoang-Xuan T, et al. **J Fr Ophtalmol** 1984; 7(2):125–31 (Eng. Abstr.) **(Fre)**
[Diffuse interstitial pneumopathy related to tungsten carbide, confirmed by bronchoalveolar lavage, and responding to corticotherapy] Pelletier A, et al. **Rev Pneumol Clin** 1984; 40(2):131–4 (Eng. Abstr.) **(Fre)**
[Therapy of sarcoidosis] Schubotz R, et al. **Dtsch Med Wochenschr** 1983 Nov 25;108(47):1806–8 **(Ger)**
[Study of the clinical effectiveness of 'impetex'] Fanti PA, et al. **G Ital Dermatol Venereol** 1983 Mar–Apr; 118(2):XXV–XXX (Eng. Abstr.) **(Ita)**
[Therapy of occupational dermatitis] Ippolito F. **Minerva Med** 1984 May 7;75(19):1137–9 (Eng. Abstr.) **(Ita)**
[Use of corticosteroid for respiratory failure associated with acute pneumonia] Kobayashi H, et al. **Kansenshogaku Zasshi** 1983 Oct;57(10):871–81 (Eng. Abstr.) **(Jpn)**
[Problems in the use of newly introduced anti-shock agents] Miyazaki M, et al. **Masui** 1983 Oct;32(10):1170–80 (Eng. Abstr.) **(Jpn)**
[Clinical course and corticosteroid therapy of multiple sclerosis among Japanese patients] Kira JI, et al. **Rinsho Shinkeigaku** 1983 Aug;23(8):646–54 (Eng. Abstr.) **(Jpn)**
[Long-term follow-up of Felty's syndrome—study on physiopathology and therapy] Inoue T, et al. **Ryumachi** 1983 Oct;23(5):362–9 (Eng. Abstr.) **(Jpn)**
[Basic diagnostic, pathogenic and therapeutic principles in asthma. III. Therapeutic principles] Ionescu C, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Oct–Dec; 87(4):521–30 (26 ref.) **(Rum)**
[Correlations between candidiasis of the buccal cavity and various drug treatments] Patraş E. **Rev Med Chir Soc Med Nat Iasi** 1983 Oct–Dec; 87(4):609–11 (Eng. Abstr.) **(Rum)**
[Treatment of patients with idiopathic fibrosing alveolitis (personal experience and information from the literature)] Il'kovich MM. **Ter Arkh** 1983;55(10):49–52 (14 ref.) (Eng. Abstr.) **(Rus)**
[Treatment of Wegener's granulomatosis with immunosuppressive agents] Semenkova EN. **Ter Arkh** 1983; 55(7):111–4 (Eng. Abstr.) **(Rus)**
[Vasilenkov's paste in the treatment of acute diseases of the pulp] Hillier-Kolarov V. **Med Pregl** 1982;35(11–12):421–4 (Eng. Abstr.) **(Scr)**
[Electroclinical characteristics of the effects of corticosteroids on experimentally induced epilepsy] Popov I, et al. **Med Pregl** 1983;36(7–8):299–305 (Eng. Abstr.) **(Scr)**
[Corticotherapy in rheumatology] Muñoz Gómez J. **Med Clin (Barc)** 1983 May 14;80(17):755–7 **(Spa)**
[Idiopathic thrombocytopenic purpura and pregnancy. Use of corticosteroids for the prevention of neonatal purpura] Avilés-Miranda A, et al. **Rev Invest Clin** 1983 Apr–Jun; 35(2):111–4 (Eng. Abstr.) **(Spa)**
[Necrocholestatic viral hepatitis and its response to steroidal treatment] Orellana Alcade JM, et al. **Rev Med Chil** 1983 May;111(5):478–82 (Eng. Abstr.) **(Spa)**
[Importance of corticoids in inhibitor suppression in hemophilia A, in addition to continuing treatment with factor VIII concentrate] Aznar JA, et al. **Sangre (Barc)** 1983;28(3):265–79 (Eng. Abstr.) **(Spa)**

TOXICITY

[Vulnerability of the rat gastric mucosa to injuries caused by adrenocortical hormone and its relation to ATPase] Wang JY. **Chung Hua I Hsueh Tsa Chih** 1984 Feb; 64(2):112–5 **(Chi)**

URINE

Application of polyethyleneimine cellulose for the class separation of steroidal carboxylic acids from neutral steroids and pigments in urine. Monder C, et al. **Anal Biochem** 1984 May 15;139(1):237–42
Improved capillary gas-chromatographic – mass spectrometric method for the determination of anabolic steroid and corticosteroid metabolites in horse urine using on-column injection with high-boiling solvents. Houghton E, et al. **Analyst** 1984 Mar;109(3):273–5
Effect of metoprolol on 24-hour urinary excretion of adrenal steroids and kallikrein in patients with essential hypertension. Fritschka E, et al. **Br J Pharmacol** 1984 Feb; 81(2):245–53
A mixed longitudinal study of adrenal steroid excretion in childhood and the mechanism of adrenarche. Kelnar CJ, et al. **Clin Endocrinol (Oxf)** 1983 Jul;19(1):117–29
Decreased responsiveness of pituitary-adrenal axis to stress in vitamin A-depleted rats. Nakano K, et al. **J Nutr Sci Vitaminol (Tokyo)** 1983 Jun;29(3):353–63
[Characteristics of urinary steroid excretions in ovarian cancer patients] Kodama M, et al. **Gan No Rinsho** 1984 May;30(5):501–4 (Eng. Abstr.) **(Jpn)**
[Daily urinary excretion of corticosteroids during hormonal therapy of bronchial asthma patients] Shadmanov UI. **Ter Arkh** 1984;56(3):50–3 **(Rus)**

ADRENAL CORTEX NEOPLASMS

Prolonged survival following six pulmonary resections for metastatic adrenal cortical carcinoma: a case report. Potter DA, et al. **J Surg Oncol** 1984 Apr;25(4):273–7

COMPLICATIONS

Pure primary hyperaldosteronism due to adrenal cortical carcinoma. Greathouse DJ, et al. **Am J Med** 1984 Jun; 76(6):1132–6
Adrenal cortical carcinoma: an unusual cause of hyperaldosteronism. Telner AH. **Can Med Assoc J** 1983 Oct 1;129(7):731–2
Primary aldosteronism due to adrenal carcinomas. Lüscher T, et al. **Klin Wochenschr** 1984 May 15;62(10):470–7
Peripheral blood steroid levels in Cushing syndrome due to adrenocortical carcinoma or adenoma. Gabrilove JL, et al. **Urology** 1983 Dec;22(6):576–9
Conn's syndrome. Case report and a review of the syndrome of primary aldosteronism (SOPA). Grell GA, et al. **West Indian Med J** 1984 Mar;33(1):48–54
[Hypertension in malignant tumors of the adrenal cortex. A review of clinical, biological and hormonal features] de Gennes JL, et al. **Ann Med Interne (Paris)** 1983; 134(3):195–202 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Aldosterone-producing adrenocortical carcinoma. Preoperative recognition and course in three cases. Arteaga E, et al. **Ann Intern Med** 1984 Sep;101(3):316–21
Adrenal cortical carcinoma. Kessler JF. **Ariz Med** 1984 Jan; 41(1):23–5
Advances in the techniques of localisation of adrenal tumours and their influence on the surgical approach to the tumour. Snell ME, et al. **Br J Urol** 1983 Dec;55(6):617–21
Metastatic adrenal carcinoma masquerading as primary bronchial carcinoma: report of two cases. McCartney AC. **Thorax** 1984 Apr;39(4):315–6
[Localization of aldosteronoma by dynamic focusing ultrasonography] Zhou YC. **Chung Hua I Hsueh Tsa Chih** 1983 Oct;63(10):596–8 (Eng. Abstr.) **(Chi)**
[Association of malignant adrenal cortex neoplasm and parathyroid adenoma (letter)] Lorcy Y, et al. **Presse Med** 1984 Feb 4;13(4):223 **(Fre)**
[Endocrine-active adreno cortical carcinoma: clinical forms and differential diagnosis] Lüscher T, et al. **Dtsch Med Wochenschr** 1984 Mar 2;109(9):345–7 **(Ger)**
[Diagnosis and treatment of adrenocortical tumors] Ojima M, et al. **Gan To Kagaku Ryoho** 1983 Oct;10(10):2093–102 (Eng. Abstr.) **(Jpn)**

DRUG THERAPY

Recovery of adrenal function after treatment of adrenocortical carcinoma with o,p'-DDD. Greig F, et al. **Clin Endocrinol (Oxf)** 1984 Apr;20(4):389–99
The treatment of adrenocortical carcinoma with o,p'-DDD: prognostic implications of serum level monitoring. van Slooten H, et al. **Eur J Cancer Clin Oncol** 1984 Jan; 20(1):47–53
[Hypersensitivity to VM-26] Köster B, et al. **Klin Padiatr** 1984 May–Jun;196(3):178–80 (Eng. Abstr.) **(Ger)**
[Use of aminoglutethimide in a patient with carcinoma of the adrenal cortex] Ivković T. **Med Pregl** 1983; 36(5–6):211–6 (Eng. Abstr.) **(Scr)**

ENZYMOLOGY

Adenylate cyclase activity in Y1 mouse adrenocortical tumor cells: some properties of the enzyme associated with purified plasma membrane fractions. Schimmer BP. **Can J Biochem Cell Biol** 1983 Jul;61(7):547–52
Rat adrenocortical carcinoma 494 autophosphorylating protein kinase, autophosphorylating protein kinase 500. Purification, biochemical and immunological characterization, and substrate specificity. Ganguly C, et al. **J Biol Chem** 1984 May 10;259(9):5959–69
Isolation of forskolin-resistant adrenal cells defective in the adenylate cyclase system. Schimmer BP, et al. **J Biol Chem** 1984 May 10;259(9):5376–9
Enzyme histo-cytochemical studies in human adrenocortical adenomas. [II] Cushing's syndrome. Murakoshi M, et al. **Tokai J Exp Clin Med** 1983 Jul;8(3):293–300
Enzyme histocytochemical studies in human adrenocortical adenomas. [I]. Primary aldosteronism. Murakoshi M, et al. **Tokai J Exp Clin Med** 1983 May;8(2):155–66

METABOLISM

Effects of angiotensin II and ACTH on normal and tumourous human adrenocortical cells. Belmega W, et al. **Acta Endocrinol (Copenh)** 1983 Sep;104(1):103–9
Salivary cortisol levels in true and apparent hypercortisolism. Evans PJ, et al. **Clin Endocrinol (Oxf)** 1984 Jun; 20(6):709–15
[Case of feminizing adrenocortical tumor] Seta T, et al. **Nippon Naika Gakkai Zasshi** 1983 Aug;72(8):1026–34 **(Jpn)**

PATHOLOGY

Comparative histologic study of 43 metastasizing and nonmetastasizing adrenocortical tumors. Weiss LM. **Am J Surg Pathol** 1984 Mar;8(3):163–9
[Pathological and clinical studies on primary aldosteronism] Ozaki O, et al. **Nippon Geka Gakkai Zasshi** 1983 Mar; 84(3):256–62 (Eng. Abstr.) **(Jpn)**
[2 cases of bilateral non-hormonal carcinoma of the adrenal cortex] Maruo K. **Nippon Naika Gakkai Zasshi** 1983 Jul; 72(7):932–40 **(Jpn)**
[Rare case of a hormonally-inactive malignant tumor of the adrenal cortex] Iaremchuk AIa. **Klin Khir** 1983 Dec; (12):52–3 **(Rus)**
[Pituitary basophilic adenoma, adrenal nodular hyperplasia and adrenal carcinoma in a case of MEN I] Lisbona A,

et al. **Med Clin (Barc)** 1983 Oct 22;81(12):524–7 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Primary tissue culture of human adrenocortical Conn's adenomata. Bromocriptine as a possible agonist–antagonist of angiotensin at the cellular level. Armato U, et al. **Cell Tissue Res** 1984;236(1):67–72

Multiparameter morphology as a means of specifically identifying hormone stimulated adrenal cortical tumor cells (Y-1) and granulosa cells in coculture. Murray SA, et al. **Scan Electron Microsc** 1984;(Pt 1):401–7

RADIOGRAPHY

Computed tomography and scintigraphy of aldosteronoma. A comparative study. Machida K, et al. **Clin Nucl Med** 1983 Dec;8(12):610–2

[Non-functioning adrenocortical carcinoma: apropos of a case] Morote J, et al. **Arch Esp Urol** 1983 Sep–Oct; 36(5):373–8 (Eng. Abstr.) **(Spa)**

RADIONUCLIDE IMAGING

Computed tomography and scintigraphy of aldosteronoma. A comparative study. Machida K, et al. **Clin Nucl Med** 1983 Dec;8(12):610–2

Uptake of 75Se-selenocholesterol by an adrenal cortical carcinoma and its metastases. Reschini E, et al. **Eur J Nucl Med** 1984;9(6):291–3

SECRETION

Estrogen-producing adrenocortical carcinoma. A light and electron microscopic study. Inai K, et al. **Acta Pathol Jpn** 1984 May;34(3):693–704

Hypertension caused by an aldosterone-secreting adenoma. Occurrence in a 7-year-old child. Bryer-Ash M, et al. **Am J Dis Child** 1984 Jul;138(7):673–6

[Case of testosterone-producing adrenal cortical adenoma] Tanaka M, et al. **Kaku Igaku** 1983 Dec;20(10):1475–8 **(Jpn)**

[Malignant corticosteroma of a dystopic adrenal gland] Zubko VI, et al. **Klin Khir** 1984 May;(5):49–50 **(Rus)**

[Steroid carcinoma of the adrenal glands] Lebedev VV, et al. **Ter Arkh** 1983;55(12):91–3 **(Rus)**

SURGERY

Surgical treatment of primary aldosteronism. Granberg PO, et al. **Ann Chir Gynaecol** 1983;72(3):171–6

Long-term results of adrenal surgery in patients with Cushing's syndrome due to adrenocortical adenoma. Välimäki M, et al. **Clin Endocrinol (Oxf)** 1984 Feb; 20(2):229–36

Successful pregnancy following surgery for a masculinizing adrenocortical carcinoma. Kasperlik-Załuska AA, et al. **Eur J Obstet Gynecol Reprod Biol** 1983 Oct;16(2):107–11

Carcinoma of the adrenal cortex: clinical description, diagnosis, and treatment. Plager JE. **Int Adv Surg Oncol** 1984;7:329–53

Adrenal cortical carcinoma—a continuing challenge. Henley DJ, et al. **Surgery** 1983 Dec;94(6):926–31

[Diagnosis and treatment of adrenal carcinoma (apropos of a case)] Gavrailov M, et al. **Khirurgiia (Sofiia)** 1984; 37(1):21–4 (Eng. Abstr.) **(Bul)**

[Adrenocortical tumors] Sato S, et al. **Horumon To Rinsho** 1983 Oct;31(10):973–8 **(Jpn)**

[A non-secreting adrenal cortex carcinoma of unusual size; surgery and cure] Diaconescu MR, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Oct–Dec;87(4):635–6 (Eng. Abstr.) **(Rum)**

THERAPY

[Therapy of endocrine-active adrenal cortex carcinoma] Lüscher T, et al. **Dtsch Med Wochenschr** 1984 Mar 2; 109(9):347–9 **(Ger)**

ULTRASTRUCTURE

Fine structural effects of a DDT derivative on a rat adrenocortical carcinoma. Krüger R, et al. **Histochem J** 1984 Apr;16(4):406–8

The reversibility of the effects of ACTH and cytochalasin B on the ultrastructure and steroidogenic activity of adrenocortical tumor cells in vitro. Mattson P, et al. **Tissue Cell** 1983;15(5):805–21

VETERINARY

An unusually large bovine adrenal cortical neoplasm. Hamir AN. **Vet Rec** 1984 Jun 30;114(26):639–40

ADRENAL CORTICAL REST TUMOR see **ADRENAL REST TUMOR**

ADRENAL GLAND DISEASES

BLOOD

Corticotropin-releasing factor test in normal subjects and patients with hypothalamic-pituitary-adrenal disorders. Nakahara M, et al. **J Clin Endocrinol Metab** 1983 Nov; 57(5):963–8

CEREBROSPINAL FLUID

Immunoreactive corticotropin-releasing factor concentrations in cerebrospinal fluid from patients with hypothalamic-pituitary-adrenal disorders. Tomori N, et al. **J Clin Endocrinol Metab** 1983 Dec;57(6):1305–7

CHEMICALLY INDUCED

Side effects of rifampicin [letter] Chaudhury M. **Lepr India** 1983 Jul;55(3):631

Unilateral adrenal hemorrhage after chronic nonsteroidal anti-inflammatory drug use. Kraus SE, et al. **Urology** 1983 Dec;22(6):627–30

[Fatal adrenal hemorrhage during anticoagulant therapy] Wolff E, et al. **Z Arztl Fortbild (Jena)** 1983;77(24):1029–31 **(Ger)**

COMPLICATIONS

Observations on the association between adrenal cysts and hypertension. Van Crombrugge P, et al. **Acta Clin Belg** 1983;38(5):333–7

A case of tuberculous epididymitis associated with Addison's disease. Higashihara M, et al. **Endocrinol Jpn** 1984 Feb; 31(1):1–5

[Sudden infant death caused by adrenal gland hemorrhage. Case report] Schäffer R. **Beitr Gerichtl Med** 1983;41:43–7 (Eng. Abstr.) **(Ger)**

[Goodpasture's syndrome associated with tuberculosis of the adrenal glands] Krut'ko VS, et al. **Probl Tuberk** 1983 Nov; (11):69–70 **(Rus)**

DIAGNOSIS

Fine needle aspiration cytology of the adrenal gland. Katz RL, et al. **Acta Cytol (Baltimore)** 1984 May–Jun; 28(3):269–82

Wasting illness in a 33-year-old woman [clinical conference] **Am J Med** 1984 Feb;76(2):302–8

MR imaging of the retroperitoneum and pelvis. Hricak H. **Br Med Bull** 1984 Apr;40(2):197–201

Real time sonographic diagnosis of adrenal haemorrhage. Alanen A, et al. **Eur J Radiol** 1984 Aug;4(3):210–2

The diagnosis and staging of hypocortisolism in progressing autoimmune adrenalitis. Leisti S, et al. **Pediatr Res** 1983 Nov;17(11):861–7

Diagnosis of adrenal disorders. Older RA, et al. **Radiol Clin North Am** 1984 Jun;22(2):433–55 (105 ref.)

[Heterogeneity of bilateral adrenal hemorrhage in newborn infants] Goldfarb A, et al. **Pediatrie** 1983 Oct–Nov; 38(7):479–83 (Eng. Abstr.) **(Fre)**

[Differential indications for sonography, 5. Ultrasound study: the kidneys and ureters, adrenal glands] Cabell R. **MMW** 1983 Sep 16;125(37):102–5 **(Ger)**

[Adrenal hemorrhage in a newborn infant] Hanimann B, et al. **Z Kinderchir** 1983 Apr;38 Suppl:59–60 (Eng. Abstr.) **(Ger)**

[Neonatal suprarenal hemorrhage] Rodríguez Torres A, et al. **Actas Urol Esp** 1983 Sep–Oct;7(5):383–6 (Eng. Abstr.) **(Spa)**

[Ultrasound diagnosis and follow-up of a case of neonatal adrenal hemorrhage] Cantú-Garza D, et al. **Bol Med Hosp Infant Mex** 1984 Feb;41(2):112–5 (Eng. Abstr.) **(Spa)**

[Spontaneous adrenal hemorrhage] López Vivancos J, et al. **Med Clin (Barc)** 1983 Sep 10;81(6):263–5 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

[Pregnancy and delivery following surgical management of thyroid cancer and Cushing's disease] Kaneko N, et al. **Horumon To Rinsho** 1983 Aug;31(8):761–4 **(Jpn)**

ETIOLOGY

Isolated unilateral adrenal hemorrhage after a motorcycle race. Hubens A, et al. **J Trauma** 1984 Aug;24(8):765–7

Incidental bilateral adrenal calcification. Bergman SM, et al. **Urology** 1983 Dec;22(6):665–6

METABOLISM

Plasma cortisol delivery from oral cortisol and cortisone acetate: relative bioavailability. Heazelwood VJ, et al. **Br J Clin Pharmacol** 1984 Jan;17(1):55–9

MICROBIOLOGY

Adrenal gland lesions with murine cytomegalovirus [letter] Shanley JD, et al. **Ann Intern Med** 1984 May;100(5):765–6

[Escherichia coli suprarenal abscess (letter)] Closas J, et al. **Med Clin (Barc)** 1984 May 26;82(20):913 **(Spa)**

PATHOLOGY

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 38–1984. Hypertension and an adrenal mass after a vehicular accident. **N Engl J Med** 1984 Sep 20;311(12):783–90

PHYSIOPATHOLOGY

Clinical aspects of the adrenal gland. Ibayashi H. **Jpn J Med** 1984 May;23(2):155–61

RADIOGRAPHY

CT of bilateral adrenal hemorrhage with acute adrenal insufficiency in the adult. Wolverson MK, et al. **AJR** 1984 Feb;142(2):311–4

Validity of computerized tomography in adrenal diseases. Galanski M, et al. **Computertomographie** 1981 Apr;1(1):11–6

Histoplasmosis of the adrenal glands studied by CT. Wilson DA, et al. **Radiology** 1984 Mar;150(3):779–83

[Radiologic diagnosis of adrenal cyst] Fischer HJ, et al. **Dtsch Med Wochenschr** 1983 Jul 29;108(30):1142–4 (Eng. Abstr.) **(Ger)**

[Computer tomography of the adrenal gland] Kolesnikova EK. **Radiol Diagn (Berl)** 1984;25(2):197–204 (Eng. Abstr.) **(Ger)**

[Computed tomography in the diagnosis of lesions of the adrenal glands, associated with arterial hypertension] Mamytbekova DZ. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1983;6(2):113–7 (53 ref.) **(Rus)**

RADIONUCLIDE IMAGING

Bone imaging. Adrenal cyst. Starshak RJ, et al. **Clin Nucl Med** 1983 Sep;8(9):448

SURGERY

Results of adrenalectomy with various surgical approaches in the treatment of different diseases of the adrenal glands. Bruining HA, et al. **Surg Gynecol Obstet** 1984 Apr; 158(4):367–9

[Neonatal adrenal hemorrhage. A surgical problem?] Castejón Casado J, et al. **An Esp Pediatr** 1983 Aug; 19(2):106–10 (Eng. Abstr.) **(Spa)**

THERAPY

Management of endocrine disorders in pregnancy. Part II. Pituitary, ovarian and adrenal disease. van der Spuy ZM, et al. **Postgrad Med J** 1984 May;60(703):312–20 (72 ref.)

ADRENAL GLAND HYPERFUNCTION

Hyperadrenalism in childhood and adolescence. Thomas CG Jr, et al. **Ann Surg** 1984 May;199(5):538–48

BLOOD

Effects of hyperadrenal states on luteinizing hormone in cattle. Li PS, et al. **Biol Reprod** 1983 Aug;29(1):11–24

Increased oestrogen production and adrenal cortical hyperfunction in patients with pulmonary disease and clubbing of the fingers. Lubowski D. **S Afr Med J** 1984 Jul 14;66(2):57–8

COMPLICATIONS

Plasma renin activity (PRA) and plasma aldosterone in the adrenal cortex hyperactivity. Studies on 50 hypertensive patients. Augustin M, et al. **Endocrinologie** 1984 Jan–Mar; 22(1):37–45

[Case of pheochromocytoma and Cushing's syndrome due to bilateral adrenocortical nodular hyperplasia which was suspected to be under the pituitary and adrenal dual control] Miyazaki S, et al. **Nippon Naika Gakkai Zasshi** 1983 Jun;72(6):803–12 **(Jpn)**

[Status of the reproductive system of women suffering infertility after a tubal pregnancy] Teodorika Z. **Akush Ginekol (Mosk)** 1983 Sep;(9):37–40 (7 ref.) (Eng. Abstr.) **(Rus)**

[Contractile activity of the Fallopian tubes in the presence of androgenic hyperfunction of the adrenal cortex and ovaries] Volobuev AI, et al. **Akush Ginekol (Mosk)** 1983 Sep;(9):33–7 (4 ref.) (Eng. Abstr.) **(Rus)**

ETIOLOGY

[Acquired adrenal hyperandrogenism in women] Buvat J. **LARC Med** 1983 Aug–Sep;3(7):496–503 **(Fre)**

METABOLISM

Glucocorticoid receptors in cultured skin fibroblasts of normal and adrenocorticoid disorders. Nawata H, et al. **Endocrinol Jpn** 1984 Apr;31(2):109–16

The effect of acute and chronic glucocorticoid excess on leucine kinetics and protein turnover in vivo. McCallister B, et al. **J Surg Res** 1983 Nov;35(5):426–32

[Lipolysis in fatty tissue of patients with adrenohypercorticism] Tishenina RS. **Vopr Med Khim** 1983 Nov–Dec;29(6):15–20 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Morphometric investigations into the mechanism of the compensatory hypertrophy of the rat adrenal zona fasciculata after unilateral adrenalectomy. Robba C, et al. **Cell Tissue Res** 1983;234(3):573–8

PHYSIOPATHOLOGY

Somatomedin activity in disorders of nutrition and metabolism. Phillips LS, et al. **Clin Endocrinol Metab** 1984 Mar;13(1):145–89 (216 ref.)

[Modification of the renotrophic action of adrenal hypercorticism by nutritional factors in uninephrectomized rats] Reville P, et al. **Ann Endocrinol (Paris)** 1983;

44(4):257–64 (Eng. Abstr.) (Fre)
[Interaction of the circadian rhythms of the functional activity of the hypophyseal–adrenal system and of the mitotic activity in the esophageal epithelium of rats with experimental hypo– and hypercorticism] Mamontov SG, et al. **Biol Nauki** 1984;(6):40–5 (Eng. Abstr.) (Rus)

VETERINARY

Hormonal, metabolic and morphologic studies of aged C57BL/6J obese mice. Austin BP, et al. **Exp Gerontol** 1984; 19(2):121–32
Stages of hyperadrenocorticism: response of hyperadrenocorticoid dogs to the combined dexamethasone suppression/ACTH stimulation test. Eiler H, et al. **J Am Vet Med Assoc** 1984 Aug 1;185(3):289–94
Decreased insulin sensitivity and glucose tolerance in spontaneous canine hyperadrenocorticism. Peterson ME, et al. **Res Vet Sci** 1984 Mar;36(2):177–82

ADRENAL GLAND HYPOFUNCTION

BLOOD

Normal cortisol response to corticotropin in patients with secondary adrenal failure. Cunningham SK, et al. **Arch Intern Med** 1983 Dec;143(12):2276–9
Plasma adrenocorticotropin and cortisol responses to ovine corticotropin–releasing factor in patients with adrenocortical insufficiency due to hypothalamic and pituitary disorders. Tsukada T, et al. **J Clin Endocrinol Metab** 1984 Apr;58(4):758–60

CHEMICALLY INDUCED

Adrenocortical suppression in multiply injured patients: a complication of etomidate treatment. Fellows IW, et al. **Br Med J [Clin Res]** 1983 Dec 17;287(6408):1835–7
Problems of tuberculosis in decline [letter] Taylor KJ, et al. **Br Med J [Clin Res]** 1984 Jun 23;288(6434):1915
Rifampicin–induced adrenal crisis [letter] Hey AA, et al. **NZ Med J** 1983 Nov 23;96(744):988–9

COMPLICATIONS

Schmidt's syndrome presenting with intrauterine growth retardation and postpartum addisonian crisis. Drucker D, et al. **Am J Obstet Gynecol** 1984 May 15;149(2):229–30
Adrenal hypofunction and sudden death. Jindrich EJ. **J Forensic Sci** 1984 Jul;29(3):930–3
Preliminary data concerning association of porphyria cutanea tarda and adrenocortical insufficiency. Report of two cases. Pereţianu D, et al. **Med Interne** 1984 Apr–Jun;22(2):147–53
Paraplegia due to adrenomyeloneuropathy. Lamid S, et al. **Paraplegia** 1984 Apr;22(2):119–23
Cardiovascular failure in experimental adrenal insufficiency: a historical revival. Cleghorn RA. **Perspect Biol Med** 1983 Autumn;27(1):135–55 (66 ref.)
[Osteoarticular manifestations in adrenal insufficiency] Benhamou CL, et al. **Rev Rhum Mal Osteoartic** 1984 Feb; 51(2):69–74 (Eng. Abstr.) (Fre)
[Mixed cryoglobulinemia associated with adrenal insufficiency, Hashimoto's thyroiditis, persistent chronic hepatitis and vasculitis] Larrañaga JR, et al. **Rev Clin Esp** 1984 Feb 15;172(3):175–6 (Spa)

CONGENITAL

Prolonged survival without therapy in congenital adrenal hypoplasia. Sills IN, et al. **Am J Dis Child** 1983 Dec; 137(12):1186–8
Hypogonadism in congenital adrenal hypoplasia: evidence for a hypothalamic origin. Kruse K, et al. **J Clin Endocrinol Metab** 1984 Jan;58(1):12–7
[Congenital adrenal hypoplasia associated with myopathy with muscle hypotonia, psychomotor retardation and hyperlipidemia. Possibility of classifying this as a syndrome] Yano K, et al. **Horumon To Rinsho** 1983 Jun;31 Suppl:127–30 (Jpn)

DIAGNOSIS

Adrenal insufficiency in a general hospital over a 14–year period. Shapiro M, et al. **Isr J Med Sci** 1984 May; 20(5):381–7
The corticotropin–releasing hormone stimulation test: a possible aid in the evaluation of patients with adrenal insufficiency. Schulte HM, et al. **J Clin Endocrinol Metab** 1984 Jun;58(6):1064–7
Adrenal hypofunction and trisomy 18. Turner M, et al. **Obstet Gynecol** 1984 Mar;63(3 Suppl):84S–85S

DRUG THERAPY

[Comparative evaluation of oral cortisone preparations] Migdalska B, et al. **Pol Tyg Lek** 1983 Mar 28;38(13):409–13 (Eng. Abstr.) (Pol)

ENZYMOLOGY

N6–phenylisopropyladenosine stimulates in normal and inhibits in adrenalectomized rats the low KM cyclic AMP phosphodiesterase in the brain. de Mazancourt P, et al. **Brain Res** 1984 May 23;300(2):211–7

ETIOLOGY

Isolated adrenal mineralocorticoid deficiency due to amyloidosis associated with familial Mediterranean fever. Agmon D, et al. **Am J Med Sci** 1984 Jul–Aug;288(1):40–3
Adrenal insufficiency as a complication of the acquired immunodeficiency syndrome. Greene LW, et al. **Ann Intern Med** 1984 Oct;101(4):497–8
Hypoadrenia following adrenal venography in Cushing's disease. Góth M, et al. **Eur J Radiol** 1984 Feb;4(1):68–70
Adrenal insufficiency secondary to metastatic lung carcinoma: CT aided diagnosis. Meyer JE, et al. **J Comput Assist Tomogr** 1983 Dec;7(6):1107–8
[Terminal negative T–waves in the ECG: a forgotten cause] Waller DE. **Internist (Berlin)** 1983 Aug;24(8):482–4 (Ger)
[Shock not associated with hydrosaline depletion in a case of adrenal gland insufficiency of metastatic etiology] Peralta JG, et al. **Medicina (B Aires)** 1983;43(5):545–8 (Eng. Abstr.) (Spa)

FAMILIAL & GENETIC

[Sex–linked, congenital adrenal hypoplasia] Kaji M, et al. **Horumon To Rinsho** 1983 Jun;31 Suppl:130–2 (Jpn)

IMMUNOLOGY

[Autoimmune processes in chronic adrenal insufficiency] Okeanova TA, et al. **Sov Med** 1983;(11):48–53 (60 ref.) (Rus)
[Autoimmune juvenile polyendocrine (endocrine candidiasis) syndrome] Zefirova GS, et al. **Ter Arkh** 1983;55(12):87–91 (Rus)

METABOLISM

Zinc metabolism in adrenal cortical insufficiency: effects of carbohydrate–active steroids. Henkin RI, et al. **Metabolism** 1984 Jun;33(6):491–501
[Evaluation of a rapid test for the study of mineralocorticoid activity in the body] Kiss R, et al. **Orv Hetil** 1983 Nov 13;124(46):2789–92 (Eng. Abstr.) (Hun)

PHYSIOPATHOLOGY

Role of vasopressin in cardiac, pulmonary, hepatic, and adrenal disorders. Bichet DG, et al. **Adv Nephrol** 1984; 13:51–74 (75 ref.)
Vascular effects of arginine–vasopressin, angiotensin and noradrenaline in adrenal insufficiency. Ishikawa S, et al. **Prog Brain Res** 1983;60:469–71
[Interaction of the circadian rhythms of the functional activity of the hypophyseal–adrenal system and of the mitotic activity in the esophageal epithelium of rats with experimental hypo– and hypercorticism] Mamontov SG, et al. **Biol Nauki** 1984;(6):40–5 (Eng. Abstr.) (Rus)
[Androgenic function of the adrenal cortex in girl athletes with retarded sexual development] Levenets SA, et al. **Probl Endokrinol (Mosk)** 1983 Sep–Oct;29(5):35–8 (Eng. Abstr.) (Rus)

RADIOGRAPHY

CT of bilateral adrenal hemorrhage with acute adrenal insufficiency in the adult. Wolverson MK, et al. **AJR** 1984 Feb;142(2):311–4

VETERINARY

Primary hypoadrenocorticism in a cat. Johnessee JS, et al. **J Am Vet Med Assoc** 1983 Oct 15;183(8):881–2
Bilateral retinal microangiopathy in a dog with diabetes mellitus and hypoadrenocorticism. Toole DO, et al. **Vet Pathol** 1984 Jan;21(1):120–1

ADRENAL GLAND NEOPLASMS

The evaluation and management of pheochromocytomas. Levine SN, et al. **Adv Surg** 1984;17:281–313 (58 ref.)
Vaginal delivery in a patient with a phaeochromocytoma. A case report. Davies AE, et al. **Br J Anaesth** 1984 Aug; 56(8):913–6
Intraspinal metastasis of neuroblastoma—report of a case detected at autopsy. Sawada T, et al. **Jpn J Clin Oncol** 1983 Dec;13(4):719–26
Detection of distant metastases of a phaeochromocytoma with 131I–metaiodobenzylguanidine. A case report. Esser J, et al. **S Afr Med J** 1984 Jun 30;65(26):1057–8
Pheochromocytoma with remission following phentolamine–induced shock. Suzuki T, et al. **Urology** 1984 Jun;23(6):582–4
[Malignant pheochromocytoma in a young man] Vorlíček J, et al. **Vnitr Lek** 1984 May;30(5):508–11 (Eng. Abstr.) (Cze)
[Pheochromocytoma in Black Africa; apropos of 3 new cases observed for a year at the Dakar General Hospital] Brunetti G, et al. **Dakar Med** 1983;28(3):421–30 (Eng. Abstr.) (Fre)
[Pheochromocytoma] Srougi M, et al. **AMB** 1983 Mar–Apr; 29(3–4):55–62 (99 ref.) (Eng. Abstr.) (Por)
[Adrenal carcinoma. Comprehensive review] Luzuriaga Graf J, et al. **Arch Esp Urol** 1983 Sep–Oct;36(5):347–53 (20 ref.) (Eng. Abstr.) (Spa)

ANALYSIS

Purification and characterization of human neuropeptide Y from adrenal–medullary phaeochromocytoma tissue. Corder R, et al. **Biochem J** 1984 May 1;219(3):699–706
Human chromogranin A. Purification and characterization from catecholamine storage vesicles of human pheochromocytoma. O'Connor DT, et al. **Hypertension** 1984 Jan–Feb;6(1):2–12
Immunological identification and characterization of chromogranins coded by poly(A) mRNA from bovine adrenal medulla and pituitary gland and human phaeochromocytoma. Serck–Hanssen G, et al. **J Biol Chem** 1984 Sep 25;259(18):11597–600
Immunoreactive corticotropin and corticotropin–releasing factor in human hypothalamus, adrenal, lung cancer, and pheochromocytoma. Suda T, et al. **J Clin Endocrinol Metab** 1984 May;58(5):919–24
Structural features of the nerve growth factor inducible large external glycoprotein of PC12 pheochromocytoma cells and brain. Margolis RK, et al. **J Neurochem** 1983 Dec; 41(6):1635–40
A close correlation between the amount of met–enkephalin–immunoreactivity and epinephrine in adrenal pheochromocytoma tissue from patients with Sipple's syndrome. Lamberts SW, et al. **Life Sci** 1984 Jul 23;35(4):417–21
Methionine–enkephalin, leucine–enkephalin methionine–enkephalin–Arg6–Phe7 and methionine–enkephalin–Arg6–Gly7–Leu8 in human pheochromocytoma. Yoshimasa T, et al. **Life Sci** 1983;33 Suppl 1:85–8
Novel C–terminally amidated opioid peptide in human phaeochromocytoma tumour. Matsuo H, et al. **Nature** 1983 Oct 20–26;305(5936):721–3
[Abnormal hormone receptors in adrenal cortex tumors] Nawata H, et al. **Nippon Rinsho** 1983 Jun;41(6):1264–9 (Jpn)

BLOOD

Increased vascular plasminogen activity in patients with pheochromocytoma. Ljungnér H, et al. **Acta Chir Scand** 1983;149(8):767–70
Plasma cortisol and primary aldosteronism [letter] Lardinois CK, et al. **Ann Intern Med** 1984 Jun;100(6):917–8
Recurrent pheochromocytoma associated with glucagonoma. A case report. Yao H, et al. **Endocrinol Jpn** 1983 Apr; 30(2):163–6
Changes in platelet alpha 2–adrenoceptors in human phaeochromocytoma. Brodde OE, et al. **Eur J Clin Pharmacol** 1984;26(2):265–7
Adrenal adenoma with 18–hydroxycorticosterone excess and hypertension: a variant of aldosteronomas. Kigoshi T, et al. **Horm Res** 1984;19(4):224–31
The lack of normal catecholamine responses in patients with pheochromocytomas. Newsome HH Jr. **Surgery** 1983 Dec; 94(6):932–7
[Free and conjugated plasma catecholamines in the diagnosis and localization of pheochromocytoma] Liu LS. **Chung Hua Nei Ko Tsa Chih** 1984 Feb;23(2):75–8 (Eng. Abstr.) (Chi)
[Transitory functional hyperprolactinemia in 2 patients with a virilizing adrenal neoplasm] Ragucci N, et al. **Arch Ostet Ginecol** 1982 Sep–Dec;87(5–6):215–24 (Eng. Abstr.) (Ita)

BLOOD SUPPLY

[Arteriographic diagnosis of morphological changes in the adrenal glands] Kónya A, et al. **Orv Hetil** 1983 Nov 27; 124(48):2923–9 (Hun)

COMPLICATIONS

Diabetes mellitus in phaeochromocytoma. Fasting blood glucose levels before and after surgery in 60 patients with phaeochromocytoma. Stenström G, et al. **Acta Endocrinol (Copenh)** 1984 Aug;106(4):511–5
Unilateral adrenal hypertrophy in ectopic ACTH syndrome. Sigman LM, et al. **Arch Intern Med** 1984 Sep; 144(9):1869–70
Propranolol–induced pulmonary edema and shock in a patient with pheochromocytoma. Sloand EM, et al. **Arch Intern Med** 1984 Jan;144(1):173–4
Phaeochromocytoma and cardiomyopathy. Velasquez G, et al. **Br J Radiol** 1984 Jan;57(673):89–92
A case of pheochromocytoma combined with catecholamine cardiomyopathy. Matsuura H, et al. **Hiroshima J Med Sci** 1983 Dec;32(4):539–48
Rapid cyclic fluctuations of blood pressure associated with an adrenal pheochromocytoma. Ganguly A, et al. **Hypertension** 1984 Mar–Apr;6(2 Pt 1):281–4
Role of intraoperative manometry in renal artery compression by a pheochromocytoma. Mosca F, et al. **Ital J Surg Sci** 1984;14(2):139–41
Malignant hypertension in a young boy [clinical conference] Chaubey BS, et al. **J Assoc Physicians India** 1984 Mar; 32(3):289–91
Acute limb ischemia as manifestation of a pheochromocytoma. Borregana J, et al. **J Cardiovasc Surg (Torino)** 1984 Mar–Apr;25(2):179–81
Hypertension and pheochromocytoma [letter] Couzigou P, et al. **J Clin Gastroenterol** 1983 Dec;5(6):553

Primary tumorous aldosteronism due to a black adrenal adenoma: a light and electron microscopic study. Sienkowski IK, et al. **J Clin Pathol** 1984 Feb;37(2):143–9

Intraperitoneal rupture of a phaeochromocytoma. Greatorex RA, et al. **J R Soc Med** 1984 Jun;77(6):513–4

Activation of renin–angiotensin system in maintenance of high blood pressure in uncomplicated pheochromocytoma--a case report. Muratani H, et al. **Jpn J Med** 1983 Aug;22(3):227–30

Effect of saralasin on hypertension due to phaeochromocytoma [letter] Donker AJ. **Lancet** 1984 Aug 11;2(8398):355

Effect of captopril on hypertension due to phaeochromocytoma [letter] Loute G, et al. **Lancet** 1984 Jul 21;2(8395):175

Evaluation of a test using saralasin to differentiate primary aldosteronism due to an aldosterone–producing adenoma from idiopathic hyperaldosteronism. Brown RD, et al. **Metabolism** 1984 Aug;33(8):734–8

Extra–adrenal aortic sympathetic paraganglioma and renal artery stenosis. Case report. Dillard BM, et al. **Mo Med** 1984 Feb;81(2):73–7

'Essential' hypertension with hypokalemia. Caused by aldosterone–secreting adrenal adenoma. Burke M, et al. **Postgrad Med** 1984 Aug;76(2):173, 176–8

Phaeochromocytoma and acute cardiovascular death (with special reference to myocardial infarction). Cohen CD, et al. **Postgrad Med J** 1984 Feb;60(700):111–5

Renovascular hypertension associated with bilateral aldosteronoma. Vircburger MI, et al. **Postgrad Med J** 1984 Aug;60(706):533–6

[ECG changes in pheochromocytoma] Nordin H, et al. **Ugeskr Laeger** 1984 Mar 12;146(11):792–5 (Eng. Abstr.) **(Dan)**

[Megacolon and pheochromocytoma] Sorva A, et al. **Duodecim** 1983;99(23–24):1752–7 (Eng. Abstr.) **(Fin)**

[Pheochromocytoma in children disclosed by pseudomigrainous headache attacks] Portas M, et al. **Ann Med Interne (Paris)** 1984;135(1):36–8 (Eng. Abstr.) **(Fre)**

[Pheochromocytoma and aortocoronary bypass. Double surgical procedure] Vacheron A, et al. **Ann Med Interne (Paris)** 1984;135(4):305–7 (Eng. Abstr.) **(Fre)**

[Pheochromocytoma: a rare cause of arterial hypertension in the elderly] Marcolin. **LARC Med** 1984 May;4(5):315 **(Fre)**

[Chronic vomiting disclosing a pheochromocytoma] Couzigou P, et al. **Sem Hop Paris** 1983 Nov 3;59(40):2781–3 (Eng. Abstr.) **(Fre)**

[Early coronary atherosclerosis in a malignant pheochromocytoma. Apropos of a case] Touze JE, et al. **Sem Hop Paris** 1984 Mar 29;60(14):1010–3 (Eng. Abstr.) **(Fre)**

[Bilateral extra–adrenal pheochromocytoma with unilateral stenosis of the renal artery] Real GE, et al. **Minerva Chir** 1983 Oct 15;38(19):1581–3 **(Ita)**

[Double successive pulmonary and cardiac thromboembolic manifestations in a case of undifferentiated carcinoma of the adrenal glands] Gobbi PG, et al. **Recenti Prog Med** 1984 Jan;75(1):39–44 (Eng. Abstr.) **(Ita)**

[Reversible renal artery stenosis associated with pheochromocytoma] Kishikawa H, et al. **Horumon To Rinsho** 1983 Dec;31(12):1209–13 **(Jpn)**

[A successfully operated case of atrial septal defect with pheochromocytoma] Ohkubo T, et al. **Nippon Geka Gakkai Zasshi** 1983 Nov;84(11):1198–203 (Eng. Abstr.) **(Jpn)**

[A case of dissecting aneurysm DeBakey type IIIb associated with pheochromocytoma] Tang TC, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Feb;32(2):261–7 (Eng. Abstr.) **(Jpn)**

[Case of pheochromocytoma and Cushing's syndrome due to bilateral adrenocortical nodular hyperplasia which was suspected to be under the pituitary and adrenal dual control] Miyazaki S, et al. **Nippon Naika Gakkai Zasshi** 1983 Jun;72(6):803–12 **(Jpn)**

[A case of Laurence–Moon–Biedl syndrome associated with bilateral adrenal lipomas and renal abnormalities] Oochi N, et al. **Nippon Naika Gakkai Zasshi** 1984 Jan;73(1):89–93 **(Jpn)**

[Primary aldosteronism caused by multiple adrenal gland adenoma] Ogawa K, et al. **Nippon Rinsho** 1983 Aug; 41(8):1948–57 **(Jpn)**

[Pulmonary edema in a patient with adrenal pheochromocytoma] Piwowarska W, et al. **Wiad Lek** 1983 May 15;36(10):859–62 (Eng. Abstr.) **(Pol)**

[Associated pituitary and adrenal adenomas in a patient with Cushing's syndrome] Zarubina NA, et al. **Probl Endokrinol (Mosk)** 1984 Jan–Feb;30(1):26–7 **(Rus)**

[Pheochromocytoma as a cause of renovascular hypertension (case report)] Vidović M, et al. **Acta Chir Iugosl** 1984; 31(1):63–6 (Eng. Abstr.) **(Scr)**

[Non–functioning adrenal myelolipoma in a hypertensive patient with renal artery stenosis] Romero González R, et al. **Arch Esp Urol** 1983 Mar–Apr;36(2):149–53 (Eng. Abstr.) **(Spa)**

[Neuroblastoma and spinal cord compression (letter)] Fuertes A, et al. **Med Clin (Barc)** 1983 Oct 1;81(9):409 **(Spa)**

[Adrenal Cushing's syndrome: clinico–pathologic review of 18 cases] Gómez–Huelgas R, et al. **Rev Clin Esp** 1984 Feb 29;172(4):211–7 (Eng. Abstr.) **(Spa)**

[Echocardiographic changes in pheochromocytoma] Arriaga J, et al. **Rev Invest Clin** 1983 Jul–Sep;35(3):201–7 (Eng. Abstr.) **(Spa)**

CONGENITAL

[The 'definitely' prenatally developed neuroblastoma. A review] Bachmann KD. **Geburtshilfe Frauenheilkd** 1983 Jun; 43 Suppl 1:111–4 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Preoperative localization of the adrenal adenoma in Conns syndrome. Lund JO, et al. **Acta Med Scand [Suppl]** 1983; 677:26–9

Vasoactive intestinal peptide–secreting tumor appearing as growth failure. Granot E, et al. **Am J Dis Child** 1983 Dec; 137(12):1203–4

Diagnosis and treatment of phaeochromocytoma. Hamberger B, et al. **Ann Chir Gynaecol** 1983;72(3):167–70

Pseudotumours and insignificant tumours in US and CT examinations of the adrenal glands. Suramo I, et al. **Ann Clin Res** 1984;16 Suppl 40:36–40

The incidentally discovered adrenal mass. Copeland PM. **Ann Surg** 1984 Jan;199(1):116–22

Symptomatic hypotension following the clonidine suppression test for pheochromocytoma. Given BD, et al. **Arch Intern Med** 1983 Nov;143(11):2195–6

Primary aldosteronism. Clinical management. Grant CS, et al. **Arch Surg** 1984 May;119(5):585–90

Advances in the techniques of localisation of adrenal tumours and their influence on the surgical approach to the tumour. Snell ME, et al. **Br J Urol** 1983 Dec;55(6):617–21

Is paroxysmal thyroid swelling due to phaeochromocytoma a forgotten physical sign? Buckels JA, et al. **Br Med J [Clin Res]** 1983 Oct 22;287(6400):1206–7

Plasma free and conjugated catecholamines in diagnosis and localisation of pheochromocytoma. Ratge D, et al. **Clin Chim Acta** 1983 Aug 31;132(3):229–43

Simultaneous assay of noradrenaline and its deaminated metabolite, dihydroxyphenylglycol, in plasma: a simplified approach to the exclusion of phaeochromocytoma in patients with borderline elevation of plasma noradrenaline concentration. Brown MJ. **Eur J Clin Invest** 1984 Feb; 14(1):67–72

Female pseudo–hermaphroditism due to an adrenal tumour in the mother. van de Kamp JJ, et al. **Eur J Pediatr** 1984 Jun;142(2):140–2

Pheochromocytoma presenting as recurrent syncope resulting from ventricular tachycardia—an unusual presentation. Kaul U, et al. **Indian Heart J** 1984 Mar–Apr; 36(2):118–20

Isosexual precocious pseudopuberty secondary to a feminizing adrenal tumor. Comite F, et al. **J Clin Endocrinol Metab** 1984 Mar;58(3):435–40

Emergencies in endocrine surgery. Scott HW Jr. **J Ky Med Assoc** 1983 Nov;81(11):825–30

Chronic diarrhea due to VIPoma in two children. Socha J, et al. **J Pediatr Gastroenterol Nutr** 1984;3(1):143–8

Ultrasonic findings in 'primary' lymphoma of the adrenal area. Cunningham JJ. **J Ultrasound Med** 1983 Oct; 2(10):467–9

Real–time ultrasound of normal adrenal glands and small tumors. Günther RW, et al. **JCU** 1984 May;12(4):211–7

Phaeochromocytoma. Khan MA, et al. **JPMA** 1984 Jun; 34(6):196–8

False diagnosis of phaeochromocytoma in patients on Sinemet [letter] Collinson PO, et al. **Lancet** 1984 Jun 30; 1(8392):1478–9

Certain aspects of diagnosis and treatment of phaeochromocytoma. Januszewicz W, et al. **Mater Med Pol** 1983 Jul–Dec;15(3–4):108–16 (37 ref.)

Occult ganglioneuroma with diarrhea: localization by venous catecholamines. Schuman AJ, et al. **Med Pediatr Oncol** 1984;12(2):93–6

Unusual clonidine–suppression test in an epinephrine–secreting pheochromocytoma [letter] Dupont AG, et al. **N Engl J Med** 1984 Jan 26;310(4):266

Results of a screening program for multiple endocrine neoplasia type II. Fletcher DR, et al. **Surg Gynecol Obstet** 1984 Aug;159(2):119–26

Urinary kallikrein excretion in patients with primary aldosteronism: differentiation of adrenal adenoma from idiopathic adrenal hyperplasia. Nakada T. **Urol Int** 1984; 39(1):40–5

Adrenal myelolipoma: CT and ultrasound findings. Vick CW, et al. **Urol Radiol** 1984;6(1):7–13

Computed tomography, sonographic, and radiographic findings in adrenal myelolipoma. Cintron E, et al. **Urology** 1984 Jun;23(6):608–10

Benign nonfunctional tumors of adrenal gland. Guerrero LA. **Urology** 1983 Oct;22(4):376–80

Normotensive pheochromocytoma. Pharmacologic, paraneoplastic and anesthetic considerations. Kirby BD, et al. **West J Med** 1983 Aug;139(2):221–5

[Cardiological problems in pheochromocytoma patients] Daskalov TR, et al. **Vutr Boles** 1984;23(2):116–25 (Eng. Abstr.) **(Bul)**

[Plasma norepinephrine determination in the diagnosis and localization of pheochromocytoma] Ma XY. **Chung Hua I Hsueh Tsa Chih** 1983 Dec;63(12):724–9 (Eng. Abstr.) **(Chi)**

[Primary aldosteronism: a comparison between adenoma and hyperplasia] Xu FJ. **Chung Hua Wai Ko Tsa Chih** 1983 Sep;21(9):517–20 (Eng. Abstr.) **(Chi)**

[Joint symptoms in children: suspicion justified] de Jongste JC, et al. **Ned Tijdschr Geneeskd** 1984 Apr 28;128(17):793–5 **(Dut)**

[Strategy for the biochemical study of pheochromocytoma] Peyrin L. **Ann Med Interne (Paris)** 1983;134(3):235–7 (Eng. Abstr.) **(Fre)**

[Current clinical problems of pheochromocytoma] Tcherdakoff P. **Ann Med Interne (Paris)** 1983;134(3):215–8 (Eng. Abstr.) **(Fre)**

[A new diagnostic test for primary tumoral hyperaldosteronism] Thibonnier M, et al. **Ann Med Interne (Paris)** 1983;134(3):188–94 (Eng. Abstr.) **(Fre)**

[Catecholamines and their derivatives in the study of pheochromocytoma] Zoghbi F, et al. **Ann Med Interne (Paris)** 1983;134(3):230–2 (Eng. Abstr.) **(Fre)**

[Chronic vomiting disclosing pheochromocytoma (letter)] Couzigou P, et al. **Gastroenterol Clin Biol** 1984 Jan; 8(1):88–9 **(Fre)**

[Clinical aspects of pheochromocytoma. Influence of the type of hormonal hypersecretion] Wemeau JL, et al. **LARC Med** 1984 Mar;4(3):139–44 (Eng. Abstr.) **(Fre)**

[Pheochromocytoma and its diagnostic pitfalls] Aubertin J, et al. **Sem Hop Paris** 1983 Dec 29;59(49):3439–42 (Eng. Abstr.) **(Fre)**

[Acute heart failure as an initial symptom of juvenile pheochromocytoma. Glucocorticoid therapy as a possible cause of normotension] Binder C, et al. **Monatsschr Kinderheilkd** 1984 Feb;132(2):121–3 (Eng. Abstr.) **(Ger)**

[Value of sonography, computed tomography and angiography in adrenal diagnosis] Georgi M, et al. **ROFO** 1984 Apr;140(4):373–9 (Eng. Abstr.) **(Ger)**

[Non–invasive methods of localization in pheochromocytoma] Vetter H, et al. **Schweiz Rundsch Med Prax** 1983 Dec 13;72(50):1593–5 (Eng. Abstr.) **(Ger)**

[Diagnosis of aldosterone–secreting tumors] Ojima M, et al. **Nippon Rinsho** 1983 Jun;41(6):1210–6 **(Jpn)**

[Diagnosis of hormone–secreting adrenal tumors other than aldosterone–secreting tumors] Saruta T, et al. **Nippon Rinsho** 1983 Jun;41(6):1217–22 **(Jpn)**

[Diagnosis of adrenal pheochromocytoma and localization of the tumor] Shionoiri H, et al. **Nippon Rinsho** 1983 Jun; 41(6):1223–30 **(Jpn)**

[Basic studies and evaluation of glucagon test as a diagnostic procedure] Nakai T, et al. **Rinsho Byori** 1984 Feb; 32(2):169–72 **(Jpn)**

[Pheochromocytoma: description of 2 cases with an unusual clinical picture] Wasowska T, et al. **Pol Tyg Lek** 1984 Feb 20;39(8):261–3 **(Pol)**

[Topical diagnosis of chromaffinomas by means of echography] Kazeev KN, et al. **Ter Arkh** 1983;55(10):105–6 (20 ref.) (Eng. Abstr.) **(Rus)**

[Comparative evaluation of radionuclide and roentgenological methods in the diagnosis of adrenal tumors and paraganglioma] Khripta FP. **Urol Nefrol (Mosk)** 1984 Jan–Feb;(1):49–54 (Eng. Abstr.) **(Rus)**

[Case of adrenal gland cancer] Zharko KP, et al. **Vrach Delo** 1983 Sep;(9):99–100 **(Rus)**

[Pheochromocytoma as a cause of renovascular hypertension (case report)] Vidović M, et al. **Acta Chir Iugosl** 1984; 31(1):63–6 (Eng. Abstr.) **(Scr)**

[Nonfunctioning carcinoma of the adrenal] Morote J, et al. **Actas Urol Esp** 1984 May–Jun;8(3):177–82 (Eng. Abstr.) **(Spa)**

[Pheochromocytomas in children] Argos Rodríguez MD, et al. **An Esp Pediatr** 1984 Apr 15;20(6):640–2 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Pheochromocytoma resistant to alpha–adrenergic blockade. Hauptman JB, et al. **Arch Intern Med** 1983 Dec; 143(12):2321–3

Adrenergic blockade in pheochromocytoma. Modlinger RS, et al. **Arch Intern Med** 1983 Dec;143(12):2245–6

Complete response of metastasized adrenal cortical carcinoma with o,p'–DDD. Case report and literature review. Boven E, et al. **Cancer** 1984 Jan 1;53(1):26–9 (18 ref.)

In vitro responses of aldosterone–producing adenomas to angiotensin II and ACTH after treatment with spironolactone before adrenalectomy. Wisgerhof M. **J Lab Clin Med** 1984 Aug;104(2):160–5

[Pheochromoblastoma and possibilities of its pharmacologic treatment] Musilová J, et al. **Cas Lek Cesk** 1983 Sep 2; 122(35):1075–8 (Eng. Abstr.) **(Cze)**

[Medical treatment of pheochromocytoma] Mornex R. **Ann Med Interne (Paris)** 1983;134(3):259–60 (Eng. Abstr.) **(Fre)**

[Malignant pheochromocytoma: blood pressure controlled by labetalol] Sugano O, et al. **Nippon Hinyokika Gakkai Zasshi** 1984 Mar;75(3):523–7 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

A case of 17 alpha–hydroxylase deficiency syndrome

associated with right adrenal tumor. Ogawa K, et al. **Clin Exp Hypertens [A]** 1984;6(4):863–77

Regulation of tyrosine hydroxylase mRNA by glucocorticoid and cyclic AMP in a rat pheochromocytoma cell line. Isolation of a cDNA clone for tyrosine hydroxylase mRNA. Lewis EJ, et al. **J Biol Chem** 1983 Dec 10; 258(23):14632–7

Relationship between activation and phosphorylation of tyrosine hydroxylase by 56 mm K+ in PC12 cells in culture. Yanagihara N, et al. **Mol Pharmacol** 1984 Jul; 26(1):141–7

ETIOLOGY

[Recurrence of adrenal tumor 8 years following adrenalectomy] Kizaki Y, et al. **Horumon To Rinsho** 1983 Jun;31 Suppl:135–8 **(Jpn)**

FAMILIAL & GENETIC

Amplified DNA in Y1 mouse adrenal tumor cells: isolation of cDNAs complementary to an amplified c-Ki-ras gene and localization of homologous sequences to mouse chromosome 6. George DL, et al. **Nucleic Acids Res** 1984 Mar 26;12(6):2731–43

Chromosome 20 deletion in human multiple endocrine neoplasia types 2A and 2B: a double-blind study. Babu VR, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(8):2525–8

Familial pheochromocytoma. Irvin GL 3d, et al. **Surgery** 1983 Dec;94(6):938–40

[Familial pheochromocytoma (with report of 4 cases)] Yan CL. **Chung Hua I Hsueh Tsa Chih** 1983 Apr;63(4):232–4 (Eng. Abstr.) **(Chi)**

[Chromosome 11 and cancer] Gregoire MJ, et al. **J Genet Hum** 1983 Mar;31(1):31–6 (Eng. Abstr.) **(Fre)**

[Familial pheochromocytoma] Hartmann N, et al. **Urologe [Ausg A]** 1984 Jul;23(4):219–22 (Eng. Abstr.) **(Ger)**

[Familial pheochromocytoma: case report and a review of literature in Japan] Adachi M, et al. **Nippon Naika Gakkai Zasshi** 1983 Dec;72(12):1740–8 **(Jpn)**

[Familial pheochromocytoma associated with non Hippel-Lindau disease. A family study] Unsgård G, et al. **Tidsskr Nor Laegeforen** 1984 Apr 30;104(12):786–8 (Eng. Abstr.) **(Nor)**

[Multiple endocrine neoplasm syndrome (MEN-2a) or Sipple syndrome. Report of 2 cases] Sánchez Román J, et al. **Rev Clin Esp** 1983 Jul 15–31;170(1–2):45–9 (Eng. Abstr.) **(Spa)**

HISTORY

Classics in oncology. A case of bilateral completely latent adrenal tumor and concurrent nephritis with changes in the circulatory system and retinitis: Felix Fränkel, 1886. **CA** 1984 Mar–Apr;34(2):93–106

METABOLISM

Immunohistochemical study of pheochromocytomas. An investigation of methionine-enkephalin, vasoactive intestinal peptide, somatostatin, corticotropin, beta-endorphin, and calcitonin in 16 tumors. Hassoun J, et al. **Am J Pathol** 1984 Jan;114(1):56–63

Inhibition of dopamine uptake by N-methyl-4-phenyl-1,2,3,6-tetrahydropyridine, a cause of parkinsonism. Denton T, et al. **Biochem Biophys Res Commun** 1984 Mar 30;119(3):1186–90

Excretion of catecholamines and their metabolites in transplantable rat phaeochromocytoma. Rein G, et al. **Biochem Pharmacol** 1984 May 1;33(9):1411–5

Characterization of the monoamine uptake system in catecholamine storage vesicles isolated from a pheochromocytoma taken from a child. Roisin MP, et al. **Biochem Pharmacol** 1984 Jul 15;33(14):2245–52

Chemical modification of the nicotinic cholinergic receptor of PC-12 nerve cell. Leprince P. **Biochemistry** 1983 Nov 22;22(24):5551–6

Fucosyl gangliosides of PC12 pheochromocytoma cells. Margolis RU, et al. **FEBS Lett** 1984 Jul 9;172(2):339–42

A monoclonal antibody modulates the interaction of nerve growth factor with PC12 cells. Chandler CE, et al. **J Biol Chem** 1984 Jun 10;259(11):6882–9

A comparison of binding properties and structure of NGF receptor on PC12 pheochromocytoma and A875 melanoma cells. Buxser SE, et al. **J Cell Biochem** 1983;22(4):219–33

Report of a case of pheochromocytoma producing immunoreactive ACTH and beta-endorphin. Schroeder JO, et al. **J Endocrinol Invest** 1984 Apr;7(2):117–21

Novel 1,4-dihydropyridine (Bay K 8644) facilitates calcium-dependent [3H]noradrenaline release from PC 12 cells. Albus U, et al. **J Neurochem** 1984 Apr;42(4):1186–9

Tetrahydrobiopterin and total biopterin content of neuroblastoma (N1E-115, N2A) and pheochromocytoma (PC-12) clones and the dependence of catecholamine synthesis on tetrahydrobiopterin concentration in PC-12 cells. Bräutigam M, et al. **J Neurochem** 1984 Feb; 42(2):390–6

Regulation of depolarization-dependent release of neurotransmitters by adenosine: cyclic AMP-dependent enhancement of release from PC12 cells. Rabe CS, et al. **J Neurochem** 1983 Dec;41(6):1623–34

Release of chromaffin granule glycoproteins and proteoglycans from potassium-stimulated PC12 pheochromocytoma cells. Salton SR, et al. **J Neurochem** 1983 Oct;41(4):1165–70

Production of 'ectopic' vasoactive intestinal peptide-like and neurotensin-like immunoreactivity in human pheochromocytoma cell cultures. Tischler AS, et al. **J Neurosci** 1984 May;4(5):1398–404

Opiate binding sites spectrum on bovine adrenal medullas and six human pheochromocytomas. Castanas E, et al. **Life Sci** 1983;33 Suppl 1:295–8

Adrenal medullary opiate receptors. Pharmacological characterization in bovine adrenal medulla and a human pheochromocytoma. Castanas E, et al. **Mol Pharmacol** 1984 Jan;25(1):38–45

Acute elevation of cyclic AMP does not alter the ion-conducting properties of the neuronal nicotinic acetylcholine receptor of PC12 cells. McGee R Jr, et al. **Mol Pharmacol** 1984 Jul;26(1):51–6

Neuropeptide Y (NPY) in PC12 phaeochromocytoma cultures: responses to dexamethasone and nerve growth factor. Allen JM, et al. **Neurosci Lett** 1984 May 18; 46(3):291–6

D2-protein in PC12 pheochromocytoma cells after nerve growth factor stimulation. Jørgensen OS, et al. **Neuroscience** 1983 Jul;9(3):665–72

Nerve growth factor inhibits the synthesis of a single-stranded DNA binding protein in pheochromocytoma cells (clone PC12). Biocca S, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(7):2080–4

Affinity labeling and partial purification of nerve growth factor receptors from rat pheochromocytoma and human melanoma cells. Grob PM, et al. **Proc Natl Acad Sci USA** 1983 Nov;80(22):6819–23

Adrenal and extra-adrenal pheochromocytomas: an ultrastructural and formaldehyde-induced fluorescence study with catecholamine content. Kimura N, et al. **Tohoku J Exp Med** 1984 Jan;142(1):1–14

[Pheochromocytoma and catecholamines. Experience in 63 cases studied for 25 years] Chávez Lara B, et al. **Arch Inst Cardiol Mex** 1983 Nov-Dec;53(6):527–33 (Eng. Abstr.) **(Spa)**

NURSING

Comprehensive nursing care of the patient with pheochromocytoma. Harris RB, et al. **Heart Lung** 1984 Jan;13(1):82–8

OCCURRENCE

Occurrence of pheochromocytoma in Rochester, Minnesota, 1950 through 1979. Beard CM, et al. **Mayo Clin Proc** 1983 Dec;58(12):802–4

PATHOLOGY

Von Recklinghausen's disease (neurofibromatosis) associated with malignant pheochromocytoma. Okada E, et al. **Acta Pathol Jpn** 1984 Mar;34(2):425–34

Late recurrence of neuroblastoma: a reason for prolonged follow-up? Dannecker G, et al. **Am J Pediatr Hematol Oncol** 1983 Fall;5(3):271–4

Death from progression following spontaneous regression of infantile neuroblastoma. Helson L. **Anticancer Res** 1983 Sep-Oct;3(5):313–6

An immunohistochemical study of pheochromocytomas. Lloyd RV, et al. **Arch Pathol Lab Med** 1984 Jul; 108(7):541–4

A macromolecular structure favouring microtubule assembly in NGF-differentiated pheochromocytoma cells (PC12). Biocca S, et al. **EMBO J** 1983;2(5):643–8

Ultrastructural pathology of the adrenal gland in Cushing's syndrome. Stefăneanu L, et al. **Morphol Embryol (Bucur)** 1984 Apr-Jun;30(2):117–22

Clinico-pathological and ultrastructural characteristics of pheochromocytoma. An analysis of 55 cases. Liu TH, et al. **Pathol Res Pract** 1984 Mar;178(4):355–62

Pheochromocytoma invasion of the inferior vena cava: sonographic evaluation. Hoffman JC, et al. **Radiology** 1983 Dec;149(3):793–5

[Diagnosis and treatment of pheochromocytoma (case report)] Tsanev A, et al. **Khirurgiia (Sofiia)** 1983; 36(5):460–5 (Eng. Abstr.) **(Bul)**

[A huge myelolipoma of adrenal gland—a case report] Shi XZ. **Chung Hua Chung Liu Tsa Chih** 1983 Nov;5(6):450–1 (Eng. Abstr.) **(Chi)**

[Malignant pheochromocytoma in childhood and adolescence—clinical case and review of the literature] Knöpfle G, et al. **Klin Padiatr** 1984 May-Jun;196(3):156–61 (Eng. Abstr.) **(Ger)**

[Fatal incident following administration of thalamonal in latent pheochromocytoma] Schwechheimer K, et al. **Pathologe** 1983 Sep;4(5):261–6 **(Ger)**

[Pheochromocytoma and sympathetic paraganglioma. 2. Combination with typical associated diseases. Familial occurrence] Zollinger R, et al. **Schweiz Med Wochenschr** 1983 Aug 9;113(31–32):1086–92 (Eng. Abstr.) **(Ger)**

[Pheochromocytoma and sympathetic paragangliomas] Zollinger R, et al. **Schweiz Med Wochenschr** 1983 Jul 30; 113(30):1057–65 (Eng. Abstr.) **(Ger)**

[Expansive adrenal pathology: clinico-diagnostic considerations of 19 surgically treated cases] Maniscalco L, et al. **Chir Patol Sper** 1982 Oct;30(5):169–79 (Eng. Abstr.) **(Ita)**

[Hormone-secreting tumors of the adrenal medulla. Clinicopathological characteristics of various tumors based on the WHO classification] Miyayama H, et al. **Nippon Rinsho** 1983 Jun;41(6):1162–8 **(Jpn)**

[Hormone-secreting tumors in the adrenal gland. Morphological studies] Yoshimi T, et al. **Nippon Rinsho** 1983 Jun;41(6):1154–61 **(Jpn)**

[Rare case of hormonally-inactive pheochromoblastoma] Nartsissov TV, et al. **Klin Khir** 1983 Dec;(12):53–4 **(Rus)**

[Pathology review. Pheochromocytoma] Castillo M. **Bol Asoc Med PR** 1984 Mar;76(3):90–2 **(Spa)**

[Non-functioning adrenal carcinoma with massive metastases in unusual organs (letter)] Coca A, et al. **Med Clin (Barc)** 1983 Oct 29;81(13):596–7 **(Spa)**

[Ganglioneuroblastoma in the adult] Peláez S, et al. **Med Clin (Barc)** 1983 Sep 17;81(7):310–2 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Studies of gangliosides in diverse nerve cell cultures. Dimpfel W, et al. **Adv Exp Med Biol** 1984;174:525–34

Hypertensive crisis induced by metoclopramide in patient with pheochromocytoma. Abe M, et al. **Angiology** 1984 Feb;35(2):122–8

A possible involvement of cytoplasmic Ca2+ in sodium dependency of neurite outgrowth of rat pheochromocytoma PC12 cells. Koike T. **Biochim Biophys Acta** 1983 Oct 25;763(3):258–64

Cytotoxic and biochemical effects of thymidine and 3-deazauridine on human tumor cells. Lockshin A, et al. **Cancer Res** 1984 Jun;44(6):2534–9

Temperature and pH dependence of nerve growth factor-mediated neurite outgrowth of PC12 pheochromocytoma cells. Koike T. **Cell Biol Int Rep** 1984 Jun;8(6):457–62

The effect of intermediate filament inhibitors on steroidogenesis and cytoskeleton in Y-1 mouse adrenal tumor cells. Lee HS, et al. **Cell Biol Int Rep** 1984 Jun; 8(6):463–82

Rounding and steroidogenesis of enzyme- and ACTH-treated Y-1 mouse adrenal tumor cells. Voorhees HL, et al. **Cell Biol Int Rep** 1984 Jun;8(6):483–97

Desensitization of beta-adrenergic receptors by pheochromocytoma. Tsujimoto G, et al. **Endocrinology** 1984 Apr;114(4):1272–8

A pathophysiological study of the intestinal manifestations of a vasoactive intestinal peptide, calcitonin, and catecholamine-secreting tumour. Booth IW, et al. **Gut** 1983 Oct;24(10):954–9

Pheochromocytoma: a medical review. Harris RB, et al. **Heart Lung** 1984 Jan;13(1):73–81 (59 ref.)

Pressor response to norepinephrine infusion in patients with pheochromocytoma. Yamamoto M, et al. **Hiroshima J Med Sci** 1983 Sep;32(3):355–8

Missing endogenous dopaminergic inhibition of aldosterone secretion in human CONN's adenoma tissue after heterotransplantation to thymusaplastic mice. Jungmann E, et al. **Horm Metab Res** 1983 Aug;15(8):413

Short PR interval and narrow QRS complex associated with pheochromocytoma: electrophysiologic observations. Huang SK, et al. **J Am Coll Cardiol** 1984 Mar;3(3):872–5

Comparison of rapid changes in surface morphology and coated pit formation of PC12 cells in response to nerve growth factor, epidermal growth factor, and dibutyryl cyclic AMP. Connolly JL, et al. **J Cell Biol** 1984 Feb; 98(2):457–65

Differential inhibition of nerve growth factor and epidermal growth factor effects on the PC12 pheochromocytoma line. Seeley PJ, et al. **J Cell Biol** 1984 Feb;98(2):417–26

Clonal variability of PC12 pheochromocytoma cells with respect to catecholamine biosynthesis. Koike T, et al. **J Neurochem** 1984 May;42(5):1472–5

Radioimmunoassay of chromogranin A in plasma as a measure of exocytotic sympathoadrenal activity in normal subjects and patients with pheochromocytoma. O'Connor DT, et al. **N Engl J Med** 1984 Sep 20;311(12):764–70

Simultaneous evaluation of the catecholamine pathway and three opioid peptide-producing systems in human pheochromocytomas. Cesselin F, et al. **Neuropeptides** 1984 Mar;4(2):175–82

Minimally functional rat adrenal medullary pheochromocytomas. Ribelin WE, et al. **Vet Pathol** 1984 May;21(3):281–5

Normotensive pheochromocytoma [letter] Murgo AJ. **West J Med** 1984 Jan;140(1):99

[Echocardiographic evaluation of left ventricular function in patients with pheochromocytoma] Dąbrowska B, et al. **Kardiol Pol** 1984;27(2):139–46 (Eng. Abstr.) **(Pol)**

RADIOGRAPHY

The computed tomography-guided adrenal biopsy. An alternative to surgery in adrenal mass diagnosis. Berkman WA, et al. **Cancer** 1984 May 15;53(10):2098–103

CT guided percutaneous fine needle biopsy in the diagnosis of small adrenal tumours. Lüning M, et al. **Eur J Radiol** 1983 Nov;3(4):358–64

Computed tomography of juxtacardiac pheochromocytoma. Shirkhoda A, et al. **J Comput Tomogr** 1984 Jul;8(3):207–9

Pheochromocytoma without specific symptoms. Naruse T,

et al. **Jpn J Surg** 1984 May;14(3):239–43
Pheochromocytoma in childhood: the important role of computed tomography in tumour localization. Farrelly CA, et al. **Pediatr Radiol** 1984;14(4):210–4
Isolated adrenal masses in nonsmall-cell bronchogenic carcinoma. Oliver TW Jr, et al. **Radiology** 1984 Oct; 153(1):217–8
Radiographic case of the month. Aldosterone secreting adrenal tumor. Deutsch AM, et al. **RI Med J** 1984 Feb; 67(2):87–9
Lumbar hernia simulating an adrenal pseudotumor – case report – a CT diagnosis. Wang JH.
Taiwan I Hsueh Hui Tsa Chih 1983 Jun;82(6):795–9
Case profile: large adrenal tumor without downward displacement of kidney. Hayashi T. **Urology** 1984 Aug; 24(2):199
[Tomodensitometry in pheochromocytomas] Picard JD.
Ann Med Interne (Paris) 1983;134(3):219–22 (Eng. Abstr.) **(Fre)**
[CT diagnosis of adrenal gland tumors] Uhlenbrock D, et al. **Computertomographie** 1983 Jun;3(2):60–6 (Eng. Abstr.) **(Ger)**
[Computed tomography and scintigraphy in malignant pheochromocytoma] Kimmig B, et al. **ROFO** 1984 Aug; 141(2):144–8 (Eng. Abstr.) **(Ger)**
[Value of computerized tomography in the preoperative diagnosis of changes in the adrenal glands] Nechal AI, et al. **Vestn Khir** 1984 Mar;132(3):71–4 (Eng. Abstr.) **(Rus)**
[Computer tomography diagnosis of pheochromocytoma] Agbaba M, et al. **Lijec Vjesn** 1984 Jun;106(6):234–7 (Eng. Abstr.) **(Scr)**

RADIONUCLIDE IMAGING

New approach to the localisation of phaeochromocytoma: imaging with iodine–131–meta–iodobenzylguanidine.
Ackery DM, et al. **Br Med J [Clin Res]** 1984 May 26; 288(6430):1587–91
Locating pheochromocytomas by scintigraphy using 131I–metaiodobenzylguanidine. Sisson JC, et al. **CA** 1984 Mar–Apr;34(2):86–92
Scintigraphic localization of phaeochromocytomas. Fischer M, et al. **Clin Endocrinol (Oxf)** 1984 Jan;20(1):1–7
Malignant phaeochromocytoma: clinical, biochemical and scintigraphic characterization. Shapiro B, et al.
Clin Endocrinol (Oxf) 1984 Feb;20(2):189–203
Heart imaging in the diagnosis of pheochromocytoma and assessment of catecholamine uptake. Manger WM, et al. **J Nucl Med** 1983 Dec;24(12):1194–6
Inverse relationship between cardiac accumulation of meta–[131I]iodobenzylguanidine (I–131 MIBG) and circulating catecholamines in suspected pheochromocytoma. Nakajo M, et al. **J Nucl Med** 1983 Dec;24(12):1127–34
False positive diagnosis of phaeochromocytoma with [131I]–m–iodobenzylguanidine scintigraphy [letter]
Lancet 1984 Mar 31;1(8379):733
False diagnosis of bilateral phaeochromocytoma by iodine–131–labelled meta–iodobenzylguanidine (MIBG) [letter] Brown MJ, et al. **Lancet** 1984 Jan 7;1(8367):56–7
Operative strategy for phaeochromocytomas localised by [131I]–m–iodobenzylguanidine scintigraphy [letter]
Thompson NW, et al. **Lancet** 1984 Jun 9;1(8389):1294
Scintigraphic localization of a recurrent phaeochromocytoma by means of iodine–131 metaiodobenzylguanidine. Kalff V, et al. **Med J Aust** 1984 Sep 29;141(7):457–9
131I–metaiodobenzylguanidine—a new agent for scintigraphic imaging and treatment of pheochromocytoma. Fischer M, et al. **Nuklearmedizin** 1984 Apr;23(2):77–9
[Localization of pheochromocytomas by scintigraphy with meta–iodobenzyl guanidine. Comparison with computed x–ray tomography] Charbonnel B, et al. **Presse Med** 1984 Mar 31;13(14):863–6 (Eng. Abstr.) **(Fre)**
[Localization of pheochromocytoma by scintigraphy and echography (letter)] Cheron G, et al. **Presse Med** 1984 Jul 14–21;13(29):1793 **(Fre)**

RADIOTHERAPY

Malignant pheochromocytoma treated by I–131 MIBG. McDougall IR. **J Nucl Med** 1984 Feb;25(2):249–51
Radiopharmaceutical treatment of malignant pheochromocytoma. Sisson JC, et al. **J Nucl Med** 1984 Feb;25(2):197–206

SECONDARY

Endocrine organ metastases from breast carcinoma. de la Monte SM, et al. **Am J Pathol** 1984 Jan;114(1):131–6
Non–small cell lung carcinoma adrenal metastases. Computed tomography and percutaneous needle biopsy in their diagnosis. Pagani JJ. **Cancer** 1984 Mar 1;53(5):1058–60
Metastases to the adrenal glands and the development of Addison's disease. Seidenwurm DJ, et al. **Cancer** 1984 Aug 1;54(3):552–7
Splenic tissue simulating adrenal mass. Wilson DG, et al. **Clin Nucl Med** 1983 Aug;8(8):371–2
Addison's disease due to metastatic carcinoma: the value of CT scan. Khan A, et al. **Comput Radiol** 1983 Nov–Dec; 7(6):369–71
Adrenal insufficiency secondary to metastatic lung carcinoma: CT aided diagnosis. Meyer JE, et al.
J Comput Assist Tomogr 1983 Dec;7(6):1107–8
Addison's disease due to metastatic carcinoma. Cowan JD, et al. **South Med J** 1984 Jun;77(6):796–9
Metastatic renal cell carcinoma: unusual cause of Addison disease. Goldenberg SL, et al. **Urology** 1983 Oct; 22(4):408–9
Male murine embryonal carcinoma cell line selectively metastatic to the ovaries and adrenals. Fox N, et al.
Virchows Arch [Cell Pathol] 1983;43(3):241–51
[Adrenal metastasis simulating primary adrenal tumor (letter)] Thieblot P, et al. **Presse Med** 1984 May 5;13(19):1220 **(Fre)**
[Renal cell carcinoma with contralateral adrenal metastasis] Masuda F, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Dec;74(12):2138–41 (Eng. Abstr.) **(Jpn)**
[Direct suprarenoscopy in the precise determination of the operability of lung cancer patients] Matytsin AN, et al. **Vopr Onkol** 1983;29(10):24–8 (Eng. Abstr.) **(Rus)**
[Shock not associated with hydrosaline depletion in a case of adrenal gland insufficiency of metastatic etiology] Peralta JG, et al. **Medicina (B Aires)** 1983;43(5):545–8 (Eng. Abstr.) **(Spa)**

SECRETION

Long–term survival and aldosterone secretion pattern of aldosteronoma in culture. Okabe T, et al.
Acta Endocrinol (Copenh) 1983 Dec;104(4):495–501
A case of vasoactive intestinal polypeptide secreting ganglioneuroma complicated by parasitic infestations. Tolia V, et al. **Am J Gastroenterol** 1983 Dec;78(12):799–801
Testosterone–secreting adrenal ganglioneuroma containing Leydig cells. Aguirre P, et al. **Am J Surg Pathol** 1983 Oct; 7(7):699–705
Studies of impaired aldosterone response to spironolactone–induced renin and potassium elevations in adenomatous but not hyperplastic primary aldosteronism. Kater CE, et al. **Hypertension** 1983 Nov–Dec;5(6 Pt 3):V115–21
Ca2+–dependent and –independent release of neurotransmitters from PC12 cells: a role for protein kinase C activation? Pozzan T, et al. **J Cell Biol** 1984 Aug; 99(2):628–38
Virilization syndrome in a young woman due to an androgen–secreting adenoma. Faggiano M, et al.
J Endocrinol Invest 1984 Feb;7(1):41–5
Release of the NILE and other glycoproteins from cultured PC12 rat pheochromocytoma cells and sympathetic neurons. Richter–Landsberg C, et al. **J Neurochem** 1984 Sep;43(3):841–8
Testosterone–producing adrenal adenoma in a woman with normal urinary 17–ketosteroid levels. Dolinar R, et al.
JAMA 1983 Nov 11;250(18):2504–5
Mechanism of palytoxin–induced [3H]norepinephrine release from a rat pheochromocytoma cell line. Tatsumi M, et al. **Mol Pharmacol** 1984 May;25(3):379–83
Pheochromocytoma: a clinical study of the role of amines in the development of endocrine dysfunction. Baggott BB. **Mt Sinai J Med (NY)** 1983 May–Jun;50(3):270–7
Recurrence of asthma following removal of a noradrenaline–secreting phaeochromocytoma. Harvey JN, et al. **Postgrad Med J** 1984 May;60(703):364–5
[Dopamine–secreting pheochromocytoma. An unrecognized entity?] Proye C, et al. **Chirurgie** 1984;110(3):304–8 (Eng. Abstr.) **(Fre)**
[Adrenal adenoma secreting exclusively estrogens in a woman during her reproductive period. 11–year follow–up] Luton JP, et al. **Presse Med** 1984 Jan 14;13(1):23–6 (Eng. Abstr.) **(Fre)**
[Chronic diarrhea in 3 children with ganglioneuroma] Socha J, et al. **Pol Tyg Lek** 1984 Feb 6;39(6):195–6 (Eng. Abstr.) **(Pol)**

SURGERY

Use of labetalol during anesthesia for pheochromocytoma removal. Van Stratum M, et al. **Acta Anaesthesiol Belg** 1983 Dec;34(4):233–40
Cardiomyopathy and phaeochromocytoma. Gilsanz FJ, et al. **Anaesthesia** 1983 Sep;38(9):888–91
Pulmonary artery pressure monitoring in patients with pheochromocytoma. Mihm FG. **Anesth Analg** 1983 Dec; 62(12):1129–33
Anaesthetic management of patients with phaeochromocytoma. Desmonts JM, et al. **Br J Anaesth** 1984 Jul;56(7):781–9 (65 ref.)
Renal cell carcinoma and phaeochromocytoma [letter] Chabloz R, et al. **Br J Surg** 1984 Mar;71(3):246
Asynchronous pheochromocytoma in childhood. Vary J, et al. **Can J Surg** 1984 May;27(3):262–4, 273
Severe hypertension and tachycardia associated with pancuronium bromide in a patient with asymptomatic pheochromocytoma. Hirano S, et al. **Hinyokika Kiyo** 1984 May;30(5):709–13
Adrenal myelolipoma. Selli C, et al. **Ital J Surg Sci** 1983; 13(2):157–9
Pheochromocytoma in the pediatric age group: current status. Kaufman BH, et al. **J Pediatr Surg** 1983 Dec; 18(6):879–84
Adrenocortical carcinoma in children. Kay R, et al.
J Urol 1983 Dec;130(6):1130–2
Postoperative acute renal and hepatic failure in a case of pheochromocytoma, possibly induced by disseminated intravascular coagulation. Kitamura T, et al.
Nippon Jinzo Gakkai Shi 1984 Mar;26(3):309–17
Pheochromocytoma with asymmetric septal hypertrophy: conflicting therapies confronting anesthesiologists. Elsten JL, et al. **South Med J** 1984 Apr;77(4):525–6
Hypertensive crisis in prazosin–treated pheochromocytoma. Knapp HR, et al. **South Med J** 1984 Apr;77(4):535–6
The effect of alpha–adrenergic blockade on cardiac performance and tissue oxygen delivery during excision of pheochromocytoma. Roizen MF, et al. **Surgery** 1983 Dec;94(6):941–5
The role of surgery in non–localized neuroblastoma. Analysis of 59 cases. Cecchetto G, et al. **Tumori** 1983 Aug 31; 69(4):327–9
[Multiple pheochromocytoma: report of 6 cases] Song ZL.
Chung Hua Wai Ko Tsa Chih 1984 Mar;22(3):173–4 (Eng. Abstr.) **(Chi)**
[Preoperative localization and surgical management of pheochromocytoma] Zhao WP.
Chung Hua Wai Ko Tsa Chih 1983 May;21(5):292–4 (Eng. Abstr.) **(Chi)**
[Indications for surgery of incidentally detected adrenal gland tumors] Vasen HF, et al. **Ned Tijdschr Geneeskd** 1984 May 5;128(18):854–7 (Eng. Abstr.) **(Dut)**
[Pheochromocytomas: diagnosis, anesthesia and treatment. Apropos of 17 recent cases] Alexandre JH, et al.
Ann Chir 1983 May;37(4):263–71 (Eng. Abstr.) **(Fre)**
[Failure of nicergoline to control blood pressure in surgery of pheochromocytoma (letter)] Pinaud M, et al.
Ann Fr Anesth Reanim 1983;2(4):327–8 **(Fre)**
[Treatment of pheochromocytoma] Tcherdakoff P, et al.
Ann Med Interne (Paris) 1983;134(3):261–3 (Eng. Abstr.) **(Fre)**
[Sporadic and familial pheochromocytomas] Chabloz R, et al. **Helv Chir Acta** 1984 Apr;51(1):91–6 (Eng. Abstr.) **(Fre)**
[Pheochromocytomas: diagnosis, anesthesia and treatment. Apropos of 17 recent cases] Alexandre JH, et al.
Sem Hop Paris 1983 Oct 13;59(36):2531–9 (Eng. Abstr.) **(Fre)**
[Perioperative therapy in juvenile pheochromocytoma] Abel M, et al. **Anasth Intensivther Notfallmed** 1983 Oct; 18(5):265–9 (Eng. Abstr.) **(Ger)**
[Diagnosis and surgical treatment of pheochromocytoma. Considerations on 14 cases] Borrelli D, et al.
Minerva Chir 1983 Oct 15;38(19):1595–600 (33 ref.) **(Ita)**
[22 surgical cases of pheochromocytoma of the adrenal medulla] Aso Y. **Horumon To Rinsho** 1983 Oct; 31(10):979–90 **(Jpn)**
[Adrenal gland neoplasms—selected aspects] Przystasz T, et al. **Wiad Lek** 1983 Oct 1;36(19):1577–82 (Eng. Abstr.) **(Pol)**
[Our experience in surgery of the suprarenal glands] Doliaescu C, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Apr–Jun;87(2):217–23 (Eng. Abstr.) **(Rum)**
[Removal of a pheochromoblastoma invading the wall of the inferior vena cava and kidney] Bulynin VI, et al.
Khirurgiia (Mosk) 1984 May;(5):135–6 **(Rus)**
[Alloprosthesis of the renal veins and inferior vena cava after resecting them from patients with neoplasms of the retroperitoneal space] Shalimov AA, et al. **Klin Khir** 1984 May;(5):34–6 (Eng. Abstr.) **(Rus)**
[Labetalol in the intraoperative control of pheochromocytoma] Janjić I, et al. **Lijec Vjesn** 1983 Jul–Aug;105(7–8):304–6 (Eng. Abstr.) **(Scr)**

THERAPY

Bilateral adrenal neuroblastoma. Shaw A, et al.
Am J Pediatr Hematol Oncol 1984 Spring;6(1):41–3
[Combined chemotherapy with alpha interferon for neuroblastoma] Sawada J, et al. **Gan To Kagaku Ryoho** 1984 May;11(5):1147–9 **(Jpn)**
[Pheochromocytoma in children. Management of a case (clinical conference)] Melman E, et al.
Bol Med Hosp Infant Mex 1983 Aug;40(8):465–71 **(Spa)**

ULTRASTRUCTURE

Ultrastructural and biochemical studies in phaeochromocytoma. Barańska W, et al.
Acta Physiol Pol 1982 Sep–Dec;33(5–6):475–83
Factors affecting the frequency of occurrence of spironolactone bodies in aldosteronomas and non–tumorous cortex. Cohn D, et al. **Pathology** 1983 Jul;15(3):273–7
Neurosecretory granules in mitochondria. Connolly CE.
Ultrastruct Pathol 1984;6(2–3):259–63
[A case of multiple endocrine neoplasia (MEN), type 2A. Immunohistochemical and ultrastructural study of medullary carcinoma of the thyroid] Tabuse Y, et al.
Nippon Geka Hokan 1983 Sep 1;52(5):736–43 (Eng. Abstr.) **(Jpn)**

URINE

Excretion of adrenaline, noradrenaline, vanilmandelic acid and metanephrines in 64 patients with pheochromocytoma. Results of repeated analyses in patients with sustained and paroxysmal hypertension. Stenström G, et al.
Acta Med Scand 1983;214(2):145–52
Steroid biochemistry of virilising adrenal tumours in childhood. Honour JW, et al. **Eur J Pediatr** 1984 Aug; 142(3):165–9
Urine catecholamines in pheochromocytoma by rat blood pressure bioassay. Sivam SP, et al. **Indian J Med Res** 1983

Jun;77:879–85

VETERINARY

Ruptured pheochromocytoma in a mare with colic. Yovich JV, et al. **J Am Vet Med Assoc** 1983 Aug 15;183(4):462–4
Spontaneous teratoma in a Wistar rat. Ninomiya H. **Jikken Dobutsu** 1983 Jul;32(3):145–9
Some functional characteristics of adrenal medullary tumors in aged male Wistar rats. Bosland MC, et al. **Vet Pathol** 1984 Mar;21(2):129–40
Pheochromocytomas and ultimobranchial (C-cell) neoplasms in the bull: evidence of autosomal dominant inheritance in the Guernsey breed. Sponenberg DP, et al. **Vet Pathol** 1983 Jul;20(4):396–400

ADRENAL GLANDS

[Characteristics of bone regeneration under the action of the rat adrenal gland extract in animal experiments] Grigor'ev MG, et al. **Ortop Travmatol Protez** 1983 Aug;(8):34–8 (Eng. Abstr.) **(Rus)**
[Direct suprarenoscopy in the precise determination of the operability of lung cancer patients] Matytsin AN, et al. **Vopr Onkol** 1983;29(10):24–8 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

Prolonged survival without therapy in congenital adrenal hypoplasia. Sills IN, et al. **Am J Dis Child** 1983 Dec; 137(12):1186–8
Computed tomography of renal agenesis and ectopy. Hadar H, et al. **J Comput Tomogr** 1984 Apr;8(2):137–43
Adrenal hypofunction and trisomy 18. Turner M, et al. **Obstet Gynecol** 1984 Mar;63(3 Suppl):84S–85S
[Malignant corticosteroma of a dystopic adrenal gland] Zubko VI, et al. **Klin Khir** 1984 May;(5):49–50 **(Rus)**

ANALYSIS

Comparison of the primary structures of clathrin light chains from bovine brain and adrenal gland by peptide mapping. Holmes N, et al. **EMBO J** 1984 Jul;3(7):1621–7
Co-existence of enkephalin and adrenalin in the frog adrenal gland. Kondo H, et al. **Histochemistry** 1984;80(3):243–6
Thyrotropin releasing hormone (TRH) distribution in the rat adrenal gland. Tal E, et al. **Horm Metab Res** 1984 Aug; 16(8):453
Neuropeptide Y (NPY) in the adrenal gland. Allen JM, et al. **J Auton Nerv Syst** 1983 Nov;9(2–3):559–63
Effects of chronic lead ingestion by the weanling rat on adrenal catecholamine levels. Baksi SN, et al. **J Auton Nerv Syst** 1983 Jul;8(3):287–9
Immunoreactive corticotropin and corticotropin-releasing factor in human hypothalamus, adrenal, lung cancer, and pheochromocytoma. Suda T, et al. **J Clin Endocrinol Metab** 1984 May;58(5):919–24
Neurofilament proteins in cultured chromaffin cells. Bader MF, et al. **J Neurochem** 1984 Oct;43(4):1180–93
Effects of hypophysectomy and immobilization stress on S-adenosylmethionine levels in rat adrenal glands. Brown SJ, et al. **Life Sci** 1984 Jul 2;35(1):97–104
Brattleboro rat adrenal contains vasopressin. Nussey SS, et al. **Nature** 1984 Jul 5–11;310(5972):64–6
Preventive effect of alcohol against stress-induced alteration in content of monoamines in brain and adrenal gland. Kuriyama K, et al. **Neuropharmacology** 1984 Jun; 23(6):649–54
Identification of oxytocin and vasopressin in the testis and in adrenal tissue. Nicholson HD, et al. **Regul Pept** 1984 Mar;8(2):141–6
[Corticosterone content of the adrenals of mice under prolonged intensive exposure to a constant magnetic field] Kuz'mina ZF. **Kosm Biol Aviakosm Med** 1984 Mar–Apr; 18(2):87–9 **(Rus)**

ANATOMY & HISTOLOGY

Serum ACTH and adrenal histology in reproductively inhibited male prairie deermice (Peromyscus maniculatus bairdi). Coppes JC, et al. **Comp Biochem Physiol [A]** 1984; 78(2):297–306
Relationships among adrenal weight, corticosterone, and stimulated adrenocorticotropin levels in rats. Akana SF, et al. **Endocrinology** 1983 Dec;113(6):2226–31
Drug-induced adrenal hypertrophy provides evidence for reset in the adrenocortical system. Akana SF, et al. **Endocrinology** 1983 Dec;113(6):2232–7
Genetic differences in mouse adrenocortical structure. Pawlus M. **Folia Histochem Cytochem (Krakow)** 1983; 21(3–4):239–51
The adrenal gland of the viviparous teleost Gambusia affinis (Girard). A histochemical study. Upadya VL, et al. **Folia Morphol (Praha)** 1983;31(3):266–9
Real-time ultrasound of normal adrenal glands and small tumors. Günther RW, et al. **JCU** 1984 May;12(4):211–7
The effects of light intensity on turkey poult performance, eye morphology, and adrenal weight. Siopes TD, et al. **Poult Sci** 1984 May;63(5):904–9
[Occurrence and structure of accessory adrenal glands in Wistar rats] Schwabedal PE, et al. **Z Mikrosk Anat Forsch** 1983;97(5):753–68 (Eng. Abstr.) **(Ger)**

BLOOD SUPPLY

Ovarian and adrenal vein steroids in patients with nonneoplastic hyperandrogenism: selective catheterization findings. Moltz L, et al. **Fertil Steril** 1984 Jul;42(1):69–75
Ovarian and adrenal vein steroids in healthy women with ovulatory cycles—selective catheterization findings. Moltz L, et al. **J Steroid Biochem** 1984 Apr;20(4A):901–5
Adrenal ablation by retrograde venous ethanol injection: an ineffective and dangerous procedure. Doppman JL, et al. **Radiology** 1984 Mar;150(3):667–72
Vena cava tumor thrombus from renal cell carcinoma arising from adrenal vein. Crawford ED, et al. **Urology** 1984 Jun; 23(6):538–40
[Angiography of the kidney and adrenal gland, with special reference to embolization and angioplasty] Hiramatsu K, et al. **Rinsho Hoshasen** 1983 Oct;28(11 Suppl):1259–75 **(Jpn)**
[Individual and age-related features of the extrinsic arteries of the adrenal glands in newborn infants] Sokolova IN. **Arkh Anat Gistol Embriol** 1984 Mar;86(3):54–60 (Eng. Abstr.) **(Rus)**
[Changes in the renin-aldosterone system after unilateral portalization of adrenal and renal blood in patients with arterial hypertension] Pokrovskiĭ AV, et al. **Kardiologiia** 1983 Aug;23(8):21–4 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Acetylcholine-induced potential fluctuations and underlying currents in rat adrenal chromaffin cells. Kidokoro Y. **Fed Proc** 1984 Jun;43(9):2364–7
Germ cell differentiation in mouse adrenal glands. Zamboni L, et al. **J Exp Zool** 1983 Nov;228(2):173–93
Inhibition of catecholamine transport into chromaffin granule ghosts isolated from bovine adrenal glands by phenytoin. Deupree JD, et al. **J Pharmacol Exp Ther** 1984 Jul; 230(1):171–4

DRUG EFFECTS

Effects of prolactin, bromocriptine and sulpiride on estrogen and lactogenic receptors in the rat adrenal gland. Lüthy IA, et al. **Act Physiol Pharamacol Latinoam** 1984; 34(1):15–23
Sympatho-adrenal mechanisms and the antihypertensive response to thiazide diuretics. Hjemdahl P. **Acta Pharmacol Toxicol (Copenh)** 1984;54 Suppl 1:43–6
Tyrosine hydroxylase activity in the brain and adrenal gland of rats following chronic administration of ethanol. Masserano JM, et al. **Alcoholism (NY)** 1983 Summer; 7(3):294–8
Effects of chronic ethanol feeding on sympathetic innervated organs: temporal sequence of biochemical, functional, and trophic changes. Rubio MC, et al. **Alcoholism (NY)** 1984 Jan–Feb;8(1):37–41
Adrenal and brain catecholamine responses to acute and chronic morphine administration to rats, after inhibition of tyrosine hydroxylase and monoamine oxidase. Guaza C, et al. **Arch Farmacol Toxicol** 1983 Aug;9(2):131–40
The effect of posture on the sympathoadrenal response to theophylline infusion. Warren JB, et al. **Br J Clin Pharmacol** 1983 Oct;16(4):405–11
Effect of the 5-hydroxytryptamine type 2 receptor antagonist, ketanserin, on blood pressure, the renin-angiotensin system and sympatho-adrenal function in patients with essential hypertension. Zabludowski JR, et al. **Br J Clin Pharmacol** 1984 Mar;17(3):309–16
The effect of a 5-HT antagonist, ketanserin, on blood pressure, the renin-angiotensin system and sympathoadrenal function in normal man. Zoccali C, et al. **Br J Clin Pharmacol** 1983 Sep;16(3):305–11
Circadian rhythms of RNA, DNA and protein in the rat thyroid, adrenal and testis, in chronic pesticide exposure. IV. Effects of the herbicide 2,4-dichlorophenoxyacetic acid. Nicolau GY. **Endocrinologie** 1983 Jul–Sep; 21(3):169–74
Effects of angiotensin II, K+, adrenocorticotropin, serotonin, adenosine 3',5'-monophosphate, guanosine 3',5'-monophosphate, A23187, and EGTA on aldosterone synthesis and phospholipid metabolism in the rat adrenal zona glomerulosa. Farese P.V, et al. **Endocrinology** 1983 Oct;113(4):1377–86
Adrenal response in rheumatoid arthritis treated with long-term steroids. Pullar T, et al. **Eur J Rheumatol Inflamm** 1983;6(2):187–91
The effects of drugs and chemicals upon the structure of the adrenal gland. Ribelin WE. **Fundam Appl Toxicol** 1984 Feb;4(1):105–19
In vitro study of frog (Rana ridibunda Pallas) interrenal function by use of a simplified perifusion system. VII. Lack of effect of somatostatin on angiotensin-induced corticosteroid production. Delarue C, et al. **Gen Comp Endocrinol** 1984 Jun;54(3):333–8
Effect of malathion on adrenal activity, liver glycogen & blood glucose in rats. Gowda H, et al. **Indian J Med Res** 1983 Dec;78:847–51
The acute effects of single and repeated injections of acrolein and other aldehydes. Warholm M, et al. **Int J Tissue React** 1984;6(1):61–70
Subacute and chronic action of acrylonitrile on adrenals and gastrointestinal tract: biochemical, functional and ultrastructural studies in the rat. Szabo S, et al. **J Appl Toxicol** 1984 Jun;4(3):131–40
Steroidogenesis inhibitors. 1. Adrenal inhibitory and interceptive activity of trilostane and related compounds. Christiansen RG, et al. **J Med Chem** 1984 Jul;27(7):928–31
Effects of ACTH on protein synthesis in rat adrenal analyzed by two dimensional gel electrophoresis. Dazord A, et al. **J Steroid Biochem** 1984 Jan;20(1):357–62
Effect of picrotoxin on adrenal catecholamine secretion. Yamanaka K, et al. **Jpn J Pharmacol** 1983 Oct; 33(5):1049–55
The nature of the stimulatory action of gamma-aminobutyric acid in the isolated perfused dog adrenals. Kitayama S, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Jun; 326(2):106–10
Steroid use in the elderly. Guidelines for avoiding adverse effects. Kaiser FE, et al. **Postgrad Med** 1984 Jul;76(1):65–8, 72–4
Stimulation of adrenal DNA synthesis in cadmium-treated male rats. Nishiyama S, et al. **Toxicol Appl Pharmacol** 1984 Jul;74(3):337–44
The effect of furazolidone on the adrenal glands of the chicken. Ali BH. **Vet Q** 1983 Oct;5(4):190–2
Effect of androgenic, oestrogenic, anabolic, progestational and catatoxic steroids on the kidney, adrenal and liver mass of the rat. Lax ER, et al. **Z Versuchstierkd** 1984; 26(3):99–105
[Fetal adrenal blocking with corticosteroids. Diagnostic and prognostic value] Prampolini P, et al. **Ann Ostet Ginecol Med Perinat** 1983 Jul–Aug; 104(4):256–60 (Eng. Abstr.) **(Ita)**
[Effect of 2-ethyl-6-methyl-3-oxypyridine on the sympathetic-adrenal system of tumor carriers] Strigun LM, et al. **Dokl Akad Nauk SSSR** 1984;274(5):1266–8 **(Rus)**
[Effect of the manufacture of acrylonitrile on endocrine function] Goncharova LN, et al. **Gig Tr Prof Zabol** 1984 May;(5):23–5 (Eng. Abstr.) **(Rus)**
[Characteristics of the adrenal endocrine function of Papio hamadryas in the metopyrone test] Goncharov NP, et al. **Probl Endokrinol (Mosk)** 1984 Mar–Apr;30(2):81–4 (Eng. Abstr.) **(Rus)**
[Chemical adrenalectomy—a new alternative in the treatment of advanced breast cancer] Wilking N, et al. **Lakartidningen** 1983 Jun 29;80(26–27):2644–5 **(Swe)**

EMBRYOLOGY

Progesterone and its reductive metabolism in steroidogenic tissues of the developing hen embryo. Gonzalez CB, et al. **Gen Comp Endocrinol** 1983 Sep;51(3):384–93
Prostaglandin secretion by the neocortex and fetal zones of the human fetal adrenal gland. Carr BR, et al. **J Clin Endocrinol Metab** 1983 Dec;57(6):1240–4
Changes in fetal rhesus monkey plasma dehydroepiandrosterone sulfate: relationship to gestational age, adrenal weight and preterm delivery. Serón-Ferré M, et al. **J Clin Endocrinol Metab** 1983 Dec;57(6):1173–8
Activation of fetal adrenal function. Challis JR, et al. **J Dev Physiol** 1984 Feb;6(1):93–105
Gravimetric and histologic changes in fetal adrenals following maternal adrenalectomy and metopirone injection in the rat. Yamamoto M, et al. **Nippon Juigaku Zasshi** 1983 Oct;45(5):659–65
Normal ultrasonic size and characteristics of the fetal adrenal glands. Jeanty P, et al. **Prenat Diagn** 1984 Jan–Feb;4(1):21–8
Conversion of progesterone to corticosteroids by the midterm fetal adrenal and kidney. McShane PM, et al. **Steroids** 1983 Sep;42(3):299–310

ENZYMOLOGY

Detection of inactive or less active forms of tyrosine hydroxylase in human adrenals by a sandwich enzyme immunoassay. Mogi M, et al. **Anal Biochem** 1984 Apr; 138(1):125–32
Simultaneous simple purification of tyrosine hydroxylase and dihydropteridine reductase. Togari A, et al. **Anal Biochem** 1983 Jul 1;132(1):183–9
Isoenzyme patterns of soluble glutathione S-transferases from rat adrenal gland and ovary. Sierakowski B, et al. **Biochem Int** 1984 Mar;8(3):361–7
Stimulation of dopamine-beta-hydroxylase in rat adrenals by repeated exposures to carbon disulphide. Caroldi S, et al. **Biochem Pharmacol** 1984 Jun 15;33(12):1933–6
Quipazine and induction of adrenal enzymes. Ekker M, et al. **Biochem Pharmacol** 1984 May 15;33(10):1687–9
Activation of adrenal phenylethanolamine N-methyltransferase by phosphate. Park DH, et al. **Biochem Pharmacol** 1984 Sep 15;33(18):2911–3
The effect of corticotrophin on liver-type lipase activity in adrenals, liver and high-density lipoprotein subfractions in the rat. Jansen H, et al. **Biochim Biophys Acta** 1983 Sep 20;753(2):205–12
Inhibition of dopamine beta-hydroxylase by 2-mercapto-1-methylimidazole. Rosenberg RC. **Biochim Biophys Acta** 1983 Dec 28;749(3):276–80
Effect of oxythiamine on adrenal thiamine pyrophosphate-dependent enzyme activities. Strumilo SA, et al. **Biomed Biochim Acta** 1984;43(2):159–63
2,3-butanedione desensitization of bovine adrenal 2-oxoglutarate dehydrogenase to adenosine-5'-diphosphate. Strumilo SA, et al. **Biomed Biochim Acta** 1984;43(2):237–40
Regulation of cholesterol metabolism in rat adrenal glands: effect of adrenocorticotropin, cholesterol, and

corticosteroids on acyl-coenzyme A synthetase and cholesterol ester hydrolases. Mikami K, et al. **Endocrinology** 1984 Jan;114(1):136–40

Inhibition of adenylate cyclase in rat adrenal glomerulosa cells by angiotensin II. Woodcock EA, et al. **Endocrinology** 1984 Jul;115(1):337–41

Adrenal dopamine-beta-hydroxylase activity in the ground squirrel Citellus citellus—effect of hibernation, arousal, and continuous light. Petrović VM, et al. **Gen Comp Endocrinol** 1984 Mar;53(3):365–9

A direct-colouring, metal precipitation method for the demonstration of arylsulphatases A and B. Partanen S. **Histochem J** 1984 May;16(5):501–6

C21 steroid side chain cleavage enzyme from porcine adrenal microsomes. Purification and characterization of the 17 alpha-hydroxylase/C17,20-lyase cytochrome P-450. Nakajin S, et al. **J Biol Chem** 1984 Mar 25;259(6):3971–6

Cyclic AMP-dependent protein kinase is not involved in the in vivo activation of tyrosine hydroxylase in the adrenal gland after decapitation. Tank AW, et al. **J Biol Chem** 1984 Jul 25;259(14):9269–76

Nerve growth factor-mediated enzyme induction in primary cultures of bovine adrenal chromaffin cells: specificity and level of regulation. Acheson AL, et al. **J Neurosci** 1984 Jul;4(7):1771–80

Effect of corticosterone on adrenal 5-ene-3 beta-hydroxysteroid dehydrogenase in estrogen-treated rats. Ghosh PK, et al. **J Steroid Biochem** 1983 Sep; 19(3):1309–12

11 beta-Hydroxy-11-ketosteroids equilibrium, a source of misinterpretation in steroid synthesis: evidence through the effects of trilostane on 11 beta-hydroxysteroid dehydrogenase in sheep and human adrenals in vitro. Touitou Y, et al. **J Steroid Biochem** 1984 Mar;20(3):763–8

Human and rat adrenal glycerol kinase: subcellular distribution and bisubstrate kinetics. Seltzer WK, et al. **Mol Cell Biochem** 1984 Apr;62(1):43–50

Regulation of steroidogenesis in rat adrenal gland: identification of the bifunctional, hormone-sensitive cholesterol esterase—triacylglycerol lipase enzyme protein and its discrimination from hormone-insensitive lipases. Trzeciak WH, et al. **Mol Cell Endocrinol** 1984 May; 35(2-3):131–41

Cloning and expression of cDNA encoding a bovine adrenal cytochrome P-450 specific for steroid 21-hydroxylation. White PC, et al. **Proc Natl Acad Sci USA** 1984 Apr; 81(7):1986–90

Enzymic synthesis of steroid sulfates XVI. Specificity and regulation of human adrenal hydroxysteroid sulfotransferase. Adams JB, et al. **Steroids** 1983 May; 41(5):575–86

3 beta-Hydroxysteroid dehydrogenase/delta 5-4 isomerase activity in the rhesus monkey placenta and fetal adrenal, testis and ovary during late gestation. Sholl SA. **Steroids** 1983 Jun;41(6):757–68

Patterns of 3 beta-hydroxysteroid dehydrogenase/delta 5-4isomerase activity in the rhesus monkey placenta and fetal adrenal. Sholl SA. **Steroids** 1983 Jun;41(6):769–76

Sites of action of cadmium in vitro on hepatic, adrenal, and pulmonary microsomal monooxygenases in guinea pigs. Colby HD, et al. **Toxicol Appl Pharmacol** 1984 Mar 30; 73(1):110–8

[Asymmetrical content of dopamine-beta-hydroxylase and phenylethanolamine-N-methyltransferase in the adrenals of spontaneously hypertensive and normotensive Wistar-Kyoto rats] Hilse H, et al. **Biomed Biochim Acta** 1983;42(6):745–50 (Eng. Abstr.) **(Ger)**

[Purification of nicotineamide adenine dinucleotide phosphate-cytochrome P-450 reductase from porcine adrenal microsomes and reconstitution of 17 alpha-hydroxylase, C17,20 lyase and 21-hydroxylase activities] Nakajin S, et al. **Yakugaku Zasshi** 1984 Feb; 104(2):169–74 (Eng. Abstr.) **(Jpn)**

[Carbon monoxide inhibition of 21-hydroxylase and 17 alpha-hydroxylase activities in porcine adrenal microsomes] Nakajin S, et al. **Yakugaku Zasshi** 1983 Aug; 103(8):895–8 (Eng. Abstr.) **(Jpn)**

[Purification and various properties of hyaloplasmic NADP-dependent isocitrate dehydrogenase from the rabbit adrenal gland] Strumilo SA, et al. **Biokhimiia** 1984 Feb;49(2):240–6 (Eng. Abstr.) **(Rus)**

[Reactivation of the partially phosphorylated pyruvate dehydrogenase complex from bovine adrenal glands] Strumilo SA. **Biokhimiia** 1983 Nov;48(11):1879–83 (Eng. Abstr.) **(Rus)**

[Enzyme activity of thiamine pyrophosphate in the rat after oxythiamine administration] Strumilo SA, et al. **Biull Eksp Biol Med** 1983 Nov;96(11):42–4 (Eng. Abstr.) **(Rus)**

[Adenylate and guanylate cylase system function in human hyperplastic adrenals in Itsenko-Cushing disease] Iudaev NA, et al. **Probl Endokrinol (Mosk)** 1984 Mar-Apr; 30(2):26–30 (Eng. Abstr.) **(Rus)**

[Pyruvate dehydrogenase complex in the rabbit adrenal glands: activation by administration of ACTH] Strumilo SA, et al. **Probl Endokrinol (Mosk)** 1983 Nov-Dec; 29(6):59–63 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Organogenesis of the pituitary, adrenal, and lung at birth in the wallaby, Macropus rufogriseus. Walker MT, et al. **Am J Anat** 1983 Nov;168(3):331–44

Pro-opiocortin: the multiple adrenal hormone precursor. Review. Lowry PJ. **Biosci Rep** 1984 Jun;4(6):467–82 (99 ref.)

Mitotic index and cell nuclear volume of Zona glomerulosa in postnatal growth of rat adrenals. Chuvilina OY, et al. **Z Mikrosk Anat Forsch** 1984;98(2):213–7

[Development of the adrenal medulla following birth] Althoff H, et al. **Beitr Gerichtl Med** 1983;41:479–83 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Major histocompatibility complex antigens in the rat pancreas, isolated pancreatic islets, thyroid, and adrenal. Hart DN, et al. **Transplantation** 1983 Oct;36(4):431–5

INJURIES

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 38-1984. Hypertension and an adrenal mass after a vehicular accident. **N Engl J Med** 1984 Sep 20;311(12):783–90

INNERVATION

An analysis of the sensory innervation of the urinary system in the rat. Donovan MK, et al. **Brain Res Bull** 1983 Sep; 11(3):321–4

Antihypertensive effect of the GABA receptor agonist muscimol in spontaneously hypertensive rats. Role of the sympathoadrenal axis. Unger T, et al. **Circ Res** 1984 Jan; 54(1):30–7

Responses of adrenal sympathetic nerve activity and catecholamine secretion to cutaneous stimulation in anesthetized rats. Araki T, et al. **Neuroscience** 1984 May; 12(1):289–99

Changes in rat adrenal catecholamines and proenkephalin metabolism after denervation. Fleminger G, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(11):3587–90

Challenge-control interaction as reflected in sympathetic-adrenal and pituitary-adrenal activity: comparison between the sexes. Frankenhaeuser M. **Scand J Psychol** 1982;Suppl 1:158–64

METABOLISM

Effects of some hydroxylated sterols on the steroid production in isolated rat adrenal glomerulosa and fasciculata/reticularis cells in the presence of potassium, angiotensin II or ACTH. Huijmans JG, et al. **Acta Endocrinol (Copenh)** 1984 Mar;105(3):411–6

Adrenocorticotropic activity of an extract from sheep placental tissue at term. Mitchell BF, et al. **Am J Obstet Gynecol** 1984 Sep 15;150(2):217–22

Optimization of in vitro protein synthesis by isolated mouse adrenal mitochondria. Mills NC, et al. **Anal Biochem** 1984 Apr;138(1):164–80

'Peripheral type' benzodiazepine binding sites in rat adrenals: binding studies with [3H]PK 11195 and autoradiographic localization. Benavides J, et al. **Arch Int Pharmacodyn Ther** 1983 Nov;266(1):38–49

Adrenocorticotropin regulates angiotensin II receptors in bovine adrenal cells in vitro. Andoka G, et al. **Biochem Biophys Res Commun** 1984 Jun 15;121(2):441–7

Evidence fur sterol carrier protein2-like activity in hepatic, adrenal and ovarian cytosol. Chanderbhan R, et al. **Biochem Biophys Res Commun** 1983 Dec 28;117(3):702–9

Cell free translation of rat adrenal messenger RNA coding for an ACTH-induced protein. Langlois-Gallet D, et al. **Biochem Biophys Res Commun** 1984 Mar 30;119(3):975–81

The role of lysine-rich proteins in the acute steroidogenic response of rat adrenal cells to ACTH. Mc Namara BC, et al. **Biochem Biophys Res Commun** 1984 Jan 30; 118(2):400–4

Regulation of glucose metabolism in rat adrenal gland in alloxan-diabetes: the possible role of fructose 2,6-bisphosphate. Sochor M, et al. **Biochem Biophys Res Commun** 1984 May 31;121(1):8–13

Sterol carrier protein2 (SCP2)-mediated transfer of cholesterol to mitochondrial inner membranes. Vahouny GV, et al. **Biochem Biophys Res Commun** 1984 Jul 31; 122(2):509–15

Effects of inhibitors of arachidonic acid metabolism on calcium uptake and catecholamine release in cultured adrenal chromaffin cells. Sasakawa N, et al. **Biochem Pharmacol** 1984 Sep 1;33(17):2733–8

Investigation of the apolipoprotein fraction of isolated rat adrenal and bovine adrenocortical lipid droplets. Tocher DR, et al. **Biochim Biophys Acta** 1983 Nov 29;754(2):159–65

Localization of specific neurotensin binding sites in the rat adrenal gland. Goedert M, et al. **Brain Res** 1984 May 14; 299(2):389–92

Pineal modulation of ACTH 1-17 effect upon murine corticosterone production. Sánchez de la Peña S, et al. **Brain Res Bull** 1983 Jul;11(1):117–25

Further observations on the increases in inositide phospholipids after stimulation by ACTH, cAMP and insulin, and on discrepancies in phosphatidylinositol mass and 32PO4-labeling during inhibition of hormonal effects by cycloheximide. Farese RV, et al. **Cell Calcium** 1983 Jul; 4(3):195–218

The metabolism of 7,12-dimethylbenz[a]anthracene and 7-hydroxymethyl-12-methylbenz[a]anthracene by rat liver and adrenal homogenates and by rat adrenocortical cells. Swallow WH, et al. **Chem Biol Interact** 1983 Dec; 47(3):347–61

Adrenal renin: a possible regulator of aldosterone production. Doi Y, et al. **Clin Exp Hypertens [A]** 1983;5(7-8):1119–26

The tissue renin-angiotensin systems: focus on brain angiotensin, adrenal gland and arterial wall. Ganten D, et al. **Clin Exp Hypertens [A]** 1983;5(7-8):1099–118

Deficit of 21 beta-hydroxylase. Clinico-functional parameters. Gangemi M, et al. **Clin Exp Obstet Gynecol** 1983;10(4):176–81

Stress- and (1-24)ACTH-induced alterations in adrenal and testicular steroidogenesis in Mongolian gerbils (Meriones unguiculatus): comparison of plasma levels, tissue content and in vitro secretion. Fenske M. **Comp Biochem Physiol [A]** 1984;77(4):745–8

Effect of pinealectomy on the circadian rhythms of RNA DNA and protein concentrations in the rat adrenal and testis. Nicolau GY. **Endocrinologie** 1984 Jan-Mar; 22(1):21–36

Rapid effects of angiotensin-II on polyphosphoinositide metabolism in the rat adrenal glomerulosa. Farese RV, et al. **Endocrinology** 1984 Jan;114(1):302–4

Immunological and physicochemical evidence for tissue specific prolactin receptors in the rabbit. Waters MJ, et al. **Endocrinology** 1984 Jul;115(1):1–10

Effect of sodium deficiency on beta-melanocyte-stimulating hormone stimulation of aldosterone in isolated rat adrenal cells. Yamakado M, et al. **Endocrinology** 1983 Dec; 113(6):2168–72

Effect of sodium azide on catecholamine release from isolated adrenal gland and on guanylate cyclase. Dohi T, et al. **Eur J Pharmacol** 1983 Oct 28;94(3-4):331–5

Ontogeny of the sex steroid and prolactin receptors in the male rat adrenal gland. Lüthy IA, et al. **Experientia** 1984 Sep 15;40(9):1002–4

Persistent inverse maternal effect on corticosterone production in vitro. Wood PR, et al. **Experientia** 1984 Sep 15;40(9):1000–1

Production of aldosterone in male rats with inherited diabetes insipidus (Brattleboro strain). Laulin JP, et al. **Horm Metab Res** 1984 May;16(5):254–7

Effect of changes in sodium or potassium balance, and nephrectomy, on adrenal renin and aldosterone concentrations. Doi Y, et al. **Hypertension** 1984 Mar-Apr; 6(2 Pt 2):I124–9

Adrenocorticotropic hormone-mediated changes in rat adrenal mitochondrial phospholipids. Igarashi Y, et al. **J Biol Chem** 1984 Sep 10;259(17):10745–53

Sterol carrier protein2. Identification of adrenal sterol carrier protein2 and site of action for mitochondrial cholesterol utilization. Vahouny GV, et al. **J Biol Chem** 1983 Oct 10; 258(19):11731–7

Orchiectomy does not selectively increase adrenal androgen concentrations. Parker L, et al. **J Clin Endocrinol Metab** 1984 Sep;59(3):547–50

Tyrosine increases tissue dopamine concentration in the rat. Oishi T, et al. **J Neurochem** 1984 Mar;42(3):894–6

Effects of excess dietary cholesterol on adrenal cholesterol accumulation and steroidogenesis. Civen M, et al. **J Steroid Biochem** 1984 Apr;20(4A):893–9

The effects of canrenoate K on corticosteroid biosynthesis in nephrectomized dogs. Lasaridis AN, et al. **J Steroid Biochem** 1984 Apr;20(4A):923–9

Effect of lipoproteins on aldosterone production by isolated glomerulosa cells. Nagy K, et al. **J Steroid Biochem** 1984 Mar;20(3):789–91

The effect of the antimineralocorticoid RU 28318 on aldosterone biosynthesis in vitro. Perroteau I, et al. **J Steroid Biochem** 1984 Apr;20(4A):853–6

Inhibition of cortisol production in isolated guinea-pig adrenal cells. Pham Huu Trung MT, et al. **J Steroid Biochem** 1984 Jul;21(1):93–9

Rat adrenal cycloheximide-sensitive factors and phospholipids in the control of acute steroidogenesis. Solano AR, et al. **J Steroid Biochem** 1984 Jul;21(1):111–6

Probenecid increases dopamine metabolite 3,4-dihydroxyphenylacetic acid (DOPAC) in rat adrenal gland. Kawaguchi A, et al. **Jpn J Pharmacol** 1983 Jun; 33(3):611–7

Effects of angiotensin II and dibutyryl cyclic adenosine monophosphate on phosphatidylinositol metabolism, 45Ca2+ fluxes, and aldosterone synthesis in bovine adrenal glomerulosa cells. Elliott ME, et al. **Life Sci** 1983 Oct 31; 33(18):1771–8

Ethanol dependence and the pituitary adrenal axis in mice. II. Temporal analysis of dependence and withdrawal. Keith LD, et al. **Life Sci** 1983 Nov 7;33(19):1889–97

Localization of opiate binding sites in kidney and adrenal gland of the rat. Quirion R, et al. **Life Sci** 1983;33 Suppl 1:299–302

Angiotensin II receptors of human and primate adrenal fasciculata and glomerulosa: correlations of binding and steroidogenesis. Douglas JG, et al. **Metabolism** 1984 Aug; 33(8):685–8

Evidence for different patterns of post-translational processing of pro-enkephalin in the bovine adrenal, colon and striatum indicated by radioimmunoassay using region-specific antisera to Met-Enk-Arg6-Phe7 and Met-Enk-Arg6-Gly7-Leu8. Giraud AS, et al. **Neurosci Lett** 1984 May 4;46(2):223–8

Effects of hypertonic solutions on catecholamine release from

cat adrenal glands. Ladona MG, et al. **Neuroscience** 1984 May;12(1):301–7

The origin of androgen synthesis in polycystic ovary syndrome. Milewicz A, et al. **Obstet Gynecol** 1983 Nov; 62(5):601–4

Photoperiod and temperature effects on adrenal tyrosine hydroxylase and its relation to nonshivering thermogenesis. Buchberger A, et al. **Pflugers Arch** 1983 Sep;399(1):79–82

Adrenal and urinary catecholamines during and after severe ethanol intoxication in rats: a profile of changes. Adams MA, et al. **Pharmacol Biochem Behav** 1984 Jul;21(1):125–31

The role of the adrenal gland in ethanol-induced triglyceride mobilization. Soliman KF, et al. **Pharmacology** 1984; 29(2):94–8

Influence of chronic immobilization on blood pressure and substance P-like immunoreactivity (SPLIR) in plasma and adrenals of Wistar-rats. Roske I, et al. **Pharmazie** 1983 Jul; 38(7):491

Circadian rhythms of RNA, DNA and protein in the rat thyroid, adrenal and testis in chronic pesticide exposure. III. Effects of the insecticides (dichlorvos and trichlorphon). Nicolau GY. **Physiologie** 1983 Apr–Jun; 20(2):93–101

Intramitochondrial movement of adrenal sterol carrier protein with cholesterol in response to corticotropin. Conneely OM, et al. **Proc Natl Acad Sci USA** 1984 May; 81(10):2970–4

I-labeled 19-iodinated and 6 beta-iodomethyl-19-nor steroids: effect of structural modification on the adrenal accumulation. Ito T, et al. **Steroids** 1983 Feb;41(2):131–44

Plasma and adrenal corticosterone concentrations and liver glycogen content in premature mice at birth and during neonatal development. Loctin J, et al. **Steroids** 1983 Feb; 41(2):121–30

Hypothalamic and pituitary periodicity demonstrated by isolated rat adrenal cells. Magrane DR, et al. **Steroids** 1982 Nov;40(5):487–501

Metabolism and toxic effects of 7,12-dimethyl-benz[a]anthracene in isolated rat adrenal cells. Hallberg E, et al. **Toxicology** 1983 Dec;29(1–2):49–59

[Nature of the products of in vitro interrenal synthesis in adult Bufo bufo formosus] Jolivet-Jaudet G, et al. **C R Seances Acad Sci [III]** 1983;296(22):1059–62 (Eng. Abstr.) **(Fre)**

[Relationship between hypotensive effect of sodium nitroprusside and adrenal catecholamines release(II)] Shibata O. **Masui** 1983 Jun;32(6):639–44 (Eng. Abstr.) **(Jpn)**

[Effect of vitamin A on ascorbic acid levels in the adrenal glands and liver of guinea pigs with larval ascariasis] Jabłonowski Z, et al. **Wiad Parazytol** 1983;29(3):273–88 (Eng. Abstr.) **(Pol)**

[Seasonal changes in the vitamin E content in the body of white rats of different ages] Paranich AV. **Fiziol Zh** 1984 Mar–Apr;30(2):217–22 (Eng. Abstr.) **(Rus)**

[Effect of an artificial mountain climate on the development of pneumoconiosis and catecholamine content of the adrenal glands in albino rats] Gridneva NV. **Gig Tr Prof Zabol** 1984 Apr;(4):22–6 (Eng. Abstr.) **(Rus)**

[Substance P in the blood plasma and adrenals of spontaneously hypertensive and normotensive rats] Rathsack R, et al. **Patol Fiziol Eksp Ter** 1984 May–Jun; (3):77–9 (Eng. Abstr.) **(Rus)**

[Lipoprotein absorption and intracellular distribution in the adrenals of rats under physical load] Poliakov LM, et al. **Probl Endokrinol (Mosk)** 1984 Jul–Aug;30(4):60–3 (Eng. Abstr.) **(Rus)**

[Lipolysis in fatty tissue of patients with adrenohypercorticism] Tishenina RS. **Vopr Med Khim** 1983 Nov–Dec;29(6):15–20 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Early and late pathologic changes in the adrenal glands of mice after infection with herpes simplex virus type 1. Nachtigal M, et al. **Am J Pathol** 1984 May;115(2):175–85

Aldosterone blocks adrenal compensatory hypertrophy in the rat. Grizzle WE, et al. **Am J Physiol** 1984 Apr;246(4 Pt 1):E306–10

Adrenal necrosis in the acquired immunodeficiency syndrome. Tapper ML, et al. **Ann Intern Med** 1984 Feb; 100(2):239–41

Transdiaphragmatic adrenal biopsy. Mansour KA, et al. **Ann Thorac Surg** 1984 Jul;38(1):66–7

A suspension model for hypokinetic/hypodynamic and antiorthostatic responses in the mouse. Steffen JM, et al. **Aviat Space Environ Med** 1984 Jul;55(7):612–6

Morphometric investigations into the mechanism of the compensatory hypertrophy of the rat adrenal zona fasciculata after unilateral adrenalectomy. Robba C, et al. **Cell Tissue Res** 1983;234(3):573–8

Unilateral hypersecretion of aldosterone associated with adrenal hyperplasia as a cause of primary aldosteronism. Ganguly A, et al. **Clin Exp Hypertens [A]** 1983; 5(10):1635–58

Golden Syrian hamsters: a new experimental model for adrenal compensatory hypertrophy. Dunlap NE, et al. **Endocrinology** 1984 May;114(5):1490–5

Primary hyperaldosteronism in childhood due to unilateral macronodular hyperplasia. Case report. Oberfield SE, et al. **Hypertension** 1984 Jan–Feb;6(1):75–84

Primary adrenal hyperplasia: a new subset of primary hyperaldosteronism. Banks WA, et al. **J Clin Endocrinol Metab** 1984 May;58(5):783–5

Different sensitivity to adrenocorticotropin of dispersed adrenocortical cells from patients with Cushing's disease with macronodular and diffuse adrenal hyperplasia. Lamberts SW, et al. **J Clin Endocrinol Metab** 1984 Jun; 58(6):1106–10

Ultrastructural pathology of the adrenal gland in Cushing's syndrome. Stefăneanu L, et al. **Morphol Embryol (Bucur)** 1984 Apr–Jun;30(2):117–22

The effects of cortisone on mast cells in the adrenal glands. Okinaga M. **Okajimas Folia Anat Jpn** 1983 Oct; 60(4):219–41

Analysis of metopirone-induced hypertrophy of adrenals in fetal rats encephalectomized in utero. Yamamoto M, et al. **Proc Soc Exp Biol Med** 1984 Sep;176(4):403–6

Nodular adrenal hyperplasia and Cushing's syndrome. Joffe SN, et al. **Surgery** 1983 Dec;94(6):919–25

Urinary kallikrein excretion in patients with primary aldosteronism: differentiation of adrenal adenoma from idiopathic adrenal hyperplasia. Nakada T. **Urol Int** 1984; 39(1):40–5

[Primary aldosteronism: a comparison between adenoma and hyperplasia] Xu FJ. **Chung Hua Wai Ko Tsa Chih** 1983 Sep;21(9):517–20 (Eng. Abstr.) **(Chi)**

[Pathological and clinical studies on primary aldosteronism] Ozaki O, et al. **Nippon Geka Gakkai Zasshi** 1983 Mar; 84(3):256–62 (Eng. Abstr.) **(Jpn)**

[Cushing's disease caused by adrenocortical nodular hyperplasia—diagnosis and surgical treatment] Miura M, et al. **No Shinkei Geka** 1984 May;12(6):689–96 (Eng. Abstr.) **(Jpn)**

[Dynamics of morphological changes in the adrenal glands and lymphoid organs during immobilization stress in rats] Durnova GN, et al. **Arkh Anat Gistol Embriol** 1983 Jul; 85(7):67–72 (Eng. Abstr.) **(Rus)**

[Functional morphology of the adrenals in hypertension] Tsibel' BN, et al. **Kardiologiia** 1984 May;24(5):109–11 **(Rus)**

[Pituitary basophilic adenoma, adrenal nodular hyperplasia and adrenal carcinoma in a case of MEN I] Lisbona A, et al. **Med Clin (Barc)** 1983 Oct 22;81(12):524–7 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Paradoxical suppression of prolactin secretion: involvement of catecholaminergic mechanisms and the adrenal gland. Krieg RJ Jr, et al. **Acta Endocrinol (Copenh)** 1984 Apr; 105(4):463–7

Causes and consequences of maternal and fetal sympathoadrenal activation during parturition. Irestedt L, et al. **Acta Obstet Gynecol Scand [Suppl]** 1984;118:111–5

Cold-exposure-elicited modifications in the thymus, bursa of Fabricius, adrenals and blood of chickens. Giurgea R, et al. **Acta Vet Hung** 1983;31(1–3):65–71

Effects of ganglionic blockade and adrenalectomy on the cardio-respiratory response to cow's urine concoction in rats. Oyebola DD, et al. **Afr J Med Med Sci** 1984 Mar–Jun; 13(1–2):61–70

Glucocorticoid sites in skeletal muscle: adrenalectomy, maturation, fiber type, and sex. DuBois DC, et al. **Am J Physiol** 1984 Jul;247(1 Pt 1):E118–25

Sympathoadrenal system and regulation of thermogenesis. Landsberg L, et al. **Am J Physiol** 1984 Aug;247(2 Pt 1):E181–9 (99 ref.)

Adrenalectomy reverses insulin resistance in muscle from obese (ob/ob) mice. Ohshima K, et al. **Am J Physiol** 1984 Feb;246(2 Pt 1):E193–7

Effects of adrenalectomy on activation of glycogen phosphorylase in rat myocardium. Reese JB, et al. **Am J Physiol** 1984 Sep;247(3 Pt 1):E389–97

Cholestyramine feeding in weaned rats. Increase in plasma corticosterone levels and bile acid synthesis following adrenalectomy. Hassan AS, et al. **Atherosclerosis** 1984 May–Jun;51(2–3):327–33

Inhibitory avoidance deficit following short-term adrenalectomy in the rat: the role of adrenal catecholamines. Borrell J, et al. **Behav Neural Biol** 1983 Nov;39(2):241–58

Thyrotropin releasing hormone-induced hyperthermia in mice: possible involvement of adrenal and pituitary glands. Boschi G, et al. **Br J Pharmacol** 1983 Oct;80(2):229–33

Role of the adrenal glands in insulin-induced free fatty acid mobilization in the chicken. Veiga JA, et al. **Braz J Med Biol Res** 1983 Dec;16(4):375–80

Effect of adrenalectomy on prostaglandin protection of the rat gastric mucosa. Reichstein BJ, et al. **Can J Surg** 1984 Mar;27(2):141–3

Adrenocortical function during high-dose beclomethasone aerosol therapy. Francis RS. **Clin Allergy** 1984 Jan; 14(1):49–53

Dissociation of adrenarche and gonadarche in diabetes mellitus. Cohen HN, et al. **Clin Endocrinol (Oxf)** 1984 Jun; 20(6):717–24

A mixed longitudinal study of adrenal steroid excretion in childhood and the mechanism of adrenarche. Kelnar CJ, et al. **Clin Endocrinol (Oxf)** 1983 Jul;19(1):117–29

Corticosteroid modulation of the renin system and blood pressure in the spontaneously hypertensive rat. Stern N, et al. **Clin Exp Hypertens [A]** 1983;5(9):1543–57

The antihypertensive effect of dietary potassium chloride loading in rats with adrenal regeneration hypertension. Milmer KE, et al. **Clin Sci** 1984 Feb;66(2):129–40

Adrenal interference of insulin secretion after 14-days oestradiol treatment in female rats. Faure A, et al. **Diabetologia** 1984 Jan;26(1):76–80

Perinatal mother-offspring pituitary-adrenal interrelationship in rats: corticosterone in milk may affect adult life. Angelucci L, et al. **Endocrinol Exp (Bratisl)** 1983 Oct; 17(3–4):191–205

In vitro maturation of steroidogenic capacity of ovine fetal and neonatal adrenal cells. Durand P, et al. **Endocrinology** 1984 Apr;114(4):1128–34

A study of the role of the adrenal glands in the initiation of the hiatus in gonadotropin secretion during prepubertal development in the male rhesus monkey (Macaca mulatta). Plant TM, et al. **Endocrinology** 1984 Feb;114(2):560–5

Adrenal function and the action of propranolol in surgical stress-mediated insulin resistance of glucose utilization by peripheral tissues in vivo. Inhibition of glucose accumulation in skeletal muscle. Schäfer H. **Eur J Pharmacol** 1984 Jun 1;101(3–4):169–76

Aldosterone secretion, measurements of membrane potential and intracellular potassium activity in the isolated adrenal zone glomerulosa. Wiederholt M, et al. **FEBS Lett** 1984 Sep 3;174(2):211–4

Thyroid and adrenal responses of ducks (Anas platyrhynchos) during saline adaptation. Harvey S, et al. **Gen Comp Endocrinol** 1984 Jul;55(1):46–53

Sexual behavior of male rats: influence of short- and long-term adrenalectomy. Poggioli R, et al. **Horm Behav** 1984 Mar;18(1):79–85

Effects of diabetes on glucose oxidation in rat aorta after hypophysectomy and adrenalectomy. Dahlkvist HH. **Horm Metab Res** 1984 Jan;16(1):22–6

Modulation of glucocorticoid effect in thymus of adrenalectomized-diabetic rat. Roldán A, et al. **Horm Metab Res** 1984 Jan;16(1):17–21

Effect of adrenalectomy and administration of prednisolone on gastric ulcer formation in forestomachectomized Shay albino rats. Ahamed RN, et al. **Indian J Physiol Pharmacol** 1983 Oct–Dec;27(4):298–304

Influence of the pituitary-adrenal axis on the induced release of luteinizing hormone in rams. Fuquay JW, et al. **J Endocrinol** 1983 Oct;99(1):151–5

Participation of the intermediate lobe of the pituitary gland after prolonged exposure to unpredictable stress in the rat. Pollard I. **J Endocrinol** 1983 Nov;99(2):239–43

Comparison of leucine enkephalin and adrenocorticotrophin effects on adrenal function in fetal and adult sheep. Bousquet J, et al. **J Reprod Fertil** 1984 Mar;70(2):499–506

Estrogen and thymic hormone interactions in the female mouse. Allen LS, et al. **J Reprod Immunol** 1984 Jan; 6(1):25–37

Brush border Mg2+-HCO-3-ATPase, supernatant carbonic anhydrase and other enzyme activities isolated from rat intestinal mucosa: effect of adrenalectomy and aldosterone administration. Suzuki S, et al. **J Steroid Biochem** 1983 Oct; 19(4):1419–33

Thermal injury in an adrenalectomized patient. Stratta RJ, et al. **J Trauma** 1983 Oct;23(10):934–8

Sleep loss and the sympathoadrenal response to exercise. Martin BJ, et al. **Med Sci Sports Exerc** 1984;16(1):56–9

Effect of adrenalectomy on the metabolism of glucose in obese (C57 Bl/6J ob/ob) mice. Wittmers LE Jr, et al. **Metabolism** 1983 Dec;32(12):1093–100

Pro-gamma-melanocyte-stimulating hormone cleavage in adrenal gland undergoing compensatory growth. Lowry PJ, et al. **Nature** 1983 Nov 3–9;306(5938):70–3

Participation of the adrenal in the lung development during fetal life in rats. Arishima K, et al. **Nippon Juigaku Zasshi** 1983 Oct;45(5):561–7

Adrenal modulation of the inhibitory effect of corticotropin releasing factor on feeding. Gosnell BA, et al. **Peptides (Fayetteville)** 1983 Nov–Dec;4(6):807–12

Adrenal modulation of opiate induced feeding. Levine AS, et al. **Pharmacol Biochem Behav** 1983 Sep;19(3):403–6

Adrenal sensitivity to adrenocorticotrophin in twin neonates—effect of birth order and growth retardation. Norman RJ, et al. **S Afr Med J** 1984 Jul 21;66(3):90–2

[Increased adrenocortical and adrenomedullary functions in rats treated with hyperbaric oxygenation] Nakada T, et al. **Nippon Hinyokika Gakkai Zasshi** 1984 Mar;75(3):490–5 (Eng. Abstr.) **(Jpn)**

[Clinical aspects of the adrenal gland] Ibayashi H. **Nippon Naika Gakkai Zasshi** 1983 Sep;72(9):1125–42 (50 ref.) **(Jpn)**

[Effect of no-spa on the level of liver glucocorticoid receptors and on the biochemical indices of homeostasis in adrenalectomized rats] Golikov PP, et al. **Farmakol Toksikol** 1984 May–Jun;47(3):59–62 (Eng. Abstr.) **(Rus)**

[Effect of hydrocortisone, adrenalectomy and their combination on the total lipid and phospholipid composition of the hepatocyte plasma membranes in rats] Sergeev PV, et al. **Farmakol Toksikol** 1984 Mar–Apr; 47(2):46–9 (Eng. Abstr.) **(Rus)**

[Effect of an increased content of ammonia in the atmosphere of a hermetic chamber on the functional state of the adrenocortical system in man] Kalandarov S, et al. **Kosm Biol Aviakosm Med** 1984 May–Jun;18(3):75–7 (Eng. Abstr.) **(Rus)**

[Relation between cholinesterase activity of the mammary glands, adrenal function and pregnancy and lactation in

the white rat] Srukov MN, et al. **Nerv Sist** 1983;24:89–93 (17 ref.) **(Rus)**

[Gomori-positive hypothalamo-hypophyseal neurosecretory system of rats adrenalectomized at different stages of postnatal ontogeny] Danilova OA, et al. **Zh Evol Biokhim Fiziol** 1983 Nov-Dec;19(6):571–8 (Eng. Abstr.) **(Rus)**

[Participation of sympathetic-adrenal system catecholamines in regulating the reproduction and molting of the hen] Sirotkin AV, et al. **Zh Evol Biokhim Fiziol** 1984 Jan–Feb; 20(1):38–42 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Sympatho-adrenal activity in different hypertensive disorders in pregnancy. A short review. Nisell H, et al. **Acta Obstet Gynecol Scand [Suppl]** 1984;118:13–6

Benign premature adrenarche: clinical features and serum steroid levels. Voutilainen R, et al. **Acta Paediatr Scand** 1983 Sep;72(5):707–11

Recovery of adrenal function after treatment of adrenocortical carcinoma with o,p'-DDD. Greig F, et al. **Clin Endocrinol (Oxf)** 1984 Apr;20(4):389–99

Circadian rhythm of working capacity, sympathicoadrenal activity, and myocardial infarction. Ganelina IE, et al. **Hum Physiol** 1983 Mar–Apr;9(2):113–20

Converting-enzyme inhibition corrects the altered adrenal response to angiotensin II in essential hypertension. Taylor T, et al. **Hypertension** 1984 Jan–Feb;6(1):92–9

Sexual maturation and adrenal function in girls with thalassemia. Pintor C, et al. **J Endocrinol Invest** 1984 Jun; 7(3):181–4

The role of the adrenal gland in cytoprotection against stress-induced gastric ulcers in rats. Hernandez DE, et al. **J Neurosci Res** 1984;11(2):193–201

Central activation and peripheral function of sympatho-adrenal and cardiovascular systems in the Zucker rat. Levin BE, et al. **Physiol Behav** 1984 Feb; 32(2):295–9

Adrenal function and essential hypertension. Loré F, et al. **Postgrad Med J** 1983;59 Suppl 3:165–6

Decreased serum 19-nor-deoxycorticosterone (21-hydroxy-19-nor-4-pregnene-3, 20-dione) level in adrenal regeneration hypertensive rats. Saeki S, et al. **Steroids** 1983 Jan;41(1):99–104

[Changes in the adrenal activity in Selye hypertension induced by immobilization stress with physical loading] Petkova M, et al. **Eksp Med Morfol** 1984;23(2):66–9 (Eng. Abstr.) **(Bul)**

[Correlation between color of the tongue, hemodynamics and hormones of adrenal cortex and medulla in hypertensive patients] Li ZS. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Apr; 4(4):214–5 (Eng. Abstr.) **(Chi)**

[The thyroid and adrenal glands in rats chronically exposed to an intense electric field] Portet R. **C R Soc Biol (Paris)** 1983;177(3):290–5 (Eng. Abstr.) **(Fre)**

[Case of pheochromocytoma and Cushing's syndrome due to bilateral adrenocortical nodular hyperplasia which was suspected to be under the pituitary and adrenal dual control] Miyazaki S, et al. **Nippon Naika Gakkai Zasshi** 1983 Jun;72(6):803–12 **(Jpn)**

[Characteristics of the morphological changes in the adrenals of sexually immature white mice exposed to an industrial-frequency electrical field] Ivanova LA, et al. **Gig Sanit** 1984 Feb;(2):76–8 **(Rus)**

[Adrenocortical activity of hypertensive patients in response to emotional stress] Polosova TA, et al. **Kardiologiia** 1983 Aug;23(8):27–30 **(Rus)**

[Various indices of the kallikrein-kinin and sympatho-adrenal system in bronchial asthma patients] Garmash VIa, et al. **Ter Arkh** 1983;55(10):115–7 (21 ref.) (Eng. Abstr.) **(Rus)**

[Effect of reflexotherapy on the functional state of the sympathoadrenal system in patients with bronchial asthma] Markelova VF, et al. **Vopr Med Khim** 1983 Jul–Aug; 29(4):106–9 (Eng. Abstr.) **(Rus)**

[Sympathetic-adrenal function in peptic ulcer] Kravchenko TV. **Vrach Delo** 1984 Apr;(4):69–73 **(Rus)**

RADIATION EFFECTS

[The sympathetic-adrenal and hypophyseal-adrenal systems in the preoperative irradiation of patients with cancer of the esophagus and cardia] Tarutinov VI, et al. **Med Radiol (Mosk)** 1983 Nov;28(11):36–9 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Addison's disease with adrenal enlargement on computed tomographic scanning. Report on two cases of tuberculosis and review of the literature. McMurry JF Jr, et al. **Am J Med** 1984 Aug;77(2):365–8

The computed tomography-guided adrenal biopsy. An alternative to surgery in adrenal mass diagnosis. Berkman WA, et al. **Cancer** 1984 May 15;53(10):2098–103

Hypoadrenia following adrenal venography in Cushing's disease. Góth M, et al. **Eur J Radiol** 1984 Feb;4(1):68–70

Histoplasmosis of the adrenal glands studied by CT. Wilson DA, et al. **Radiology** 1984 Mar;150(3):779–83

Computed tomography of the adrenal glands in Addison's disease. Rzymski K, et al. **ROFO** 1984 Jan;140(1):48–9

[Radiological image of the ovaries and adrenal glands in women with Stein-Leventhal syndrome] Brzezińska-Miszczyszyn T. **Pol Przegl Radiol (Warszawa)** 1983 Jan–Feb;47(1):69–75 (Eng. Abstr.) **(Pol)**

[Computerized tomography of the adrenal glands in patients with various types of symptomatic arterial hypertension] Gabuniia RI, et al. **Klin Med (Mosk)** 1984 Jan;62(1):42–8 (Eng. Abstr.) **(Rus)**

[Value of computerized tomography in the preoperative diagnosis of changes in the adrenal glands] Nechai AI, et al. **Vestn Khir** 1984 Mar;132(3):71–4 (Eng. Abstr.) **(Rus)**

[Diagnosis of Itsenko-Cushing disease and syndrome using angiography and the determination of the hormone content in blood samples from the adrenal veins and the inferior vena cava] Iugrinov OG, et al. **Vestn Rentgenol Radiol** 1983 May-Jun;(3):18–23 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Positive gallium scan in the syndrome of opsoclonus-myoclonus treated with adrenocorticotropic hormone. Gumbinas M, et al. **Cancer** 1984 Sep 1; 54(5):815–6

[Adrenal scintigraphy of Cushing's syndrome due to bilateral macronodular hyperplasia] Takagi Y, et al. **Rinsho Hoshasen** 1983 Oct;28(10):1119–20 **(Jpn)**

[Cushing's syndrome: diagnostic value of hormone determinations and adrenal gammagraphy. Apropos of 21 patients] González Atienza J, et al. **Med Clin (Barc)** 1984 Mar 10;82(9):388–91 (Eng. Abstr.) **(Spa)**

SECRETION

ACTH control of steroid secretion from adrenal cells of the developing rhesus monkey (Macaca mulatta). Roebuck MM, et al. **Acta Endocrinol (Copenh)** 1984 Apr; 105(4):545–51

Occurrence, storage and release of neurotensin-like immunoreactivity from the adrenal gland. Rökaeus A, et al. **Acta Physiol Scand** 1984 Mar;120(3):373–80

Catecholamine secretion from the rabbit adrenal gland is not modulated by a mechanism involving beta-adrenoceptors. Collett AR, et al. **Arch Int Pharmacodyn Ther** 1984 May; 269(1):63–9

Evidence for a role of a serum factor stimulated by metoclopramide in regulating aldosterone secretion. Bevilacqua M, et al. **Biochem Biophys Res Commun** 1984 Feb 29;119(1):95–100

Adrenal progesterone, 17 alpha-hydroxyprogesterone and cortisol responses to Synacthen in normal women and women with various gynaecological disorders. Conway DI, et al. **Clin Endocrinol (Oxf)** 1983 Jul;19(1):77–85

Adrenal secretion of catecholamines during hypoxemia in fetal lambs. Cohen WR, et al. **Endocrinology** 1984 Feb; 114(2):383–90

Direct beta-adrenergic stimulation of aldosterone secretion in cultured bovine adrenal subcapsular cells. De Léan A, et al. **Endocrinology** 1984 Aug;115(2):485–92

Potassium stimulation of aldosterone secretion in vivo is reversed by nisoldipine, a calcium transport antagonist. Johnson EI, et al. **Endocrinology** 1984 Apr;114(4):1466–8

Adrenal and placental steroid secretion during pregnancy in the rat. Macdonald GJ, et al. **Endocrinology** 1984 Jun; 114(6):2068–73

A 60,000 molecular weight human pituitary glycopeptide stimulates adrenal androgen secretion. Parker LN, et al. **Endocrinology** 1983 Dec;113(6):2092–6

Serine proteases selectively control the output of 18-hydroxycorticosterone and aldosterone in stimulated zona glomerulosa tissue of the rat adrenal. Raven PW, et al. **J Endocrinol** 1983 Oct;99(1):13–22

Co-release of enkephalins and precursors with catecholamines by the perfused cat adrenal in-situ. Chaminade M, et al. **Life Sci** 1983;33 Suppl 1:21–4

Potassium modulation of corticosterone secretion from perifused mouse adrenal cells. Robertson LM, et al. **Metabolism** 1984 Aug;33(8):703–9

Neonatal capsaicin treatment prevents insulin-stress-induced adrenal catecholamine secretion in vivo: possible involvement of sensory nerves containing substance P. Khalil Z, et al. **Neurosci Lett** 1984 Mar 9;45(1):65–70

Effect of prostaglandins on steroid secretion by human fetal adrenal tissue. Carr BR, et al. **Steroids** 1983 May; 41(5):663–74

[Changes in plasma concentrations of adrenal androgens in patients with chronic renal insufficiency] Inaudi P, et al. **Boll Soc Ital Biol Sper** 1983 Dec 30;59(12):1861–7 (Eng. Abstr.) **(Ita)**

[Endocrine abnormalities in myotonic dystrophy] Takase S. **Rinsho Shinkeigaku** 1983 Dec;23(12):1086–90 (Eng. Abstr.) **(Jpn)**

TRANSPLANTATION

Plasma adrenocorticotropin concentration is elevated in adult rats with neonatal adrenal transplants. Engeland WC. **Endocrinology** 1984 Jun;114(6):2160–6

[Adrenal allograft for Addison's disease: preliminary report of 3 cases] Nan XY. **Chung Hua Wai Ko Tsa Chih** 1983 Sep;21(9):523 (Eng. Abstr.) **(Chi)**

[Adrenal autografts in the treatment of adrenal hyperplasia] Xu FJ. **Chung Hua Wai Ko Tsa Chih** 1983 May;21(5):288–91 (Eng. Abstr.) **(Chi)**

ULTRASTRUCTURE

Intranuclear inclusions in muscle, nervous tissue, and adrenal gland. Tateishi J, et al. **Acta Neuropathol (Berl)** 1984; 63(1):24–32

The adrenal chromaffin cells of Salmo gairdneri Richardson (Teleostei, Salmonidae). Mastrolia L, et al. **J Anat** 1984 May;138 (Pt 3):503–11

ADRENAL HYPERPLASIA, CONGENITAL

see related
PUBERTY, PRECOCIOUS
VIRILISM

Recent advances in 21-hydroxylase deficiency. New MI, et al. **Annu Rev Med** 1984;35:649–63 (31 ref.)

BLOOD

Virilizing congenital adrenal hyperplasia with normal dehydroepiandrosterone sulfate. Check JH, et al. **Am J Obstet Gynecol** 1983 Dec 15;147(8):972–3

Plasma renin activity in the management of congenital adrenal hyperplasia. Griffiths KD, et al. **Arch Dis Child** 1984 Apr;59(4):360–5

Diurnal variation in blood 17-hydroxyprogesterone concentrations in untreated congenital adrenal hyperplasia. Sólyom J. **Arch Dis Child** 1984 Aug;59(8):743–7

Fluorescence enzyme immunoassay of 17 alpha-hydroxyprogesterone in dried blood samples on filter paper and its application to mass screening for congenital adrenal hyperplasia. Arakawa H, et al. **Chem Pharm Bull (Tokyo)** 1983 Aug;31(8):2724–31

COMPLICATIONS

Acanthosis nigricans. In association with the adrenogenital syndrome, hyperlipoproteinemia type IV, and congenital malformation of the urinary tract. Weissman-Katzenelson V, et al. **Arch Dermatol** 1983 Nov;119(11):953–4

Polycystic ovary syndrome and congenital adrenal hyperplasia [letter] New MI, et al. **Clin Endocrinol (Oxf)** 1984 Jun;20(6):733–4

Heart failure secondary to latrogenic systemic hypertension in an infant with congenital adrenal hyperplasia. Geggel RL, et al. **Clin Pediatr (Phila)** 1984 Jun;23(6):358–60

Infertility caused by bilateral testicular masses secondary to congenital adrenal hyperplasia (21-hydroxylase deficiency). Cutfield RG, et al. **Fertil Steril** 1983 Dec; 40(6):809–14

Virilization without adrenal hyperplasia in 21-hydroxylase deficiency during fetal life. Kuhnle U, et al. **J Clin Endocrinol Metab** 1984 Mar;58(3):574–7

True precocious puberty complicating congenital adrenal hyperplasia: treatment with a luteinizing hormone-releasing hormone analog. Pescovitz OH, et al. **J Clin Endocrinol Metab** 1984 May;58(5):857–61

[Hypertensive forms of congenital adrenal hyperplasia] Turpin G, et al. **Ann Med Interne (Paris)** 1983; 134(3):209–14 (Eng. Abstr.) **(Fre)**

[Adrenogenital syndrome with salt loss. 3-betahydroxysteroid dehydrogenase deficiency as a cause of life threatening vomiting with dehydration in newborn infants] Hellebostad M. **Tidsskr Nor Laegeforen** 1983 Sep 30;103(27):1868–71 (Eng. Abstr.) **(Nor)**

[Turner syndrome caused by deletion of the long arm of the X chromosome associated with adrenogenital syndrome caused by partial deficiency of 21-hydroxylase] del Arbol JL, et al. **Rev Clin Esp** 1983 Oct 15;171(1):67–71 **(Spa)**

DIAGNOSIS

Delayed diagnosis in congenital adrenal hyperplasia. Need for newborn screening. Lebovitz RM, et al. **Am J Dis Child** 1984 Jun;138(6):571–3

Rapid diagnosis of congenital adrenal hyperplasia by high performance liquid chromatography. Weisman Y, et al. **Clin Chim Acta** 1984 Mar 27;138(1):1–8

Stimulation tests in adreno-genital syndrome induced by 21 hydroxylase deficit. Gangemi M, et al. **Clin Exp Obstet Gynecol** 1983;10(2–3):127–30

Rapid separation of plasma steroids by reversed-phase high-performance liquid chromatography with timed collection of fractions. Stoks PG, et al. **J Chromatogr** 1983 Sep 9;276(2):408–12

Bloodspot 17 alpha-hydroxyprogesterone radioimmunoassay for diagnosis of congenital adrenal hyperplasia and home monitoring of corticosteroid replacement therapy. Riordan FA, et al. **Lancet** 1984 Mar 31;1(8379):708–11

Detection of late-onset 21-hydroxylase deficiency congenital adrenal hyperplasia in adolescents. Emans SJ, et al. **Pediatrics** 1983 Nov;72(5):690–5

[Genetic counseling and prenatal diagnosis of adrenal hyperplasia caused by 21-hydroxylase deficiency] Couillin P. **Presse Med** 1984 Apr 21;13(17):1087–90 (Eng. Abstr.) **(Fre)**

[Late reattribution of sex: a clinical example] Bregani P, et al. **Pediatr Med Chir** 1983 Mar-Apr;5(1-2):103–6 (Eng. Abstr.) **(Ita)**

[Progress in the prenatal diagnosis of adrenogenital syndrome] Blaim A. **Ginekol Pol** 1984 Feb;55(2):137–41 (17 ref.) (Eng. Abstr.) **(Pol)**

[A case of post-pubertal form of 21-hydroxylase deficiency

and polycystic ovaries] Milewicz A, et al. **Pol Tyg Lek** 1984 Mar 26;39(13):439–40 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

Control in congenital adrenal hyperplasia monitored by frequent saliva 17OH–progesterone measurements. Hughes IA, et al. **Horm Res** 1984;19(2):77–85

Plasma levels of androgens and 17 alpha–OH–progesterone as an index of the adequacy of treatment in congenital adrenal hyperplasia. Ilondo MM, et al. **Horm Res** 1983; 18(4):175–85

Management of congenital adrenal hyperplasia [letter] **Lancet** 1984 May 19;1(8386):1121

Management of congenital adrenal hyperplasia [letter] Antony G. **Lancet** 1984 May 12;1(8385):1073

[Report on 3 cases of 17 alpha–hydroxylase deficiency] Zhang ZJ. **Chung Hua Nei Ko Tsa Chih** 1983 Sep; 22(9):565–7 **(Chi)**

[Determination of 17–hydroxyprogesterone levels in the treatment of children with the adrenogenital syndrome] Vavřinec J, et al. **Cesk Pediatr** 1983 Sep;38(9):533–6 (Eng. Abstr.) **(Cze)**

[Treatment of hypertensive forms of congenital adrenal hyperplasia] Turpin G, et al. **Ann Med Interne (Paris)** 1983; 134(3):256–8 (Eng. Abstr.) **(Fre)**

[Occurrence of severe striae in adolescents with congenital adrenal hyperplasia and 21–hydroxylation deficiency treated with dexamethasone] Guest G, et al. **Arch Fr Pediatr** 1983 Jun–Jul;40(6):453–6 (Eng. Abstr.) **(Fre)**

[Aggravation of salt loss due to hydrocortisone in the first days of treatment of congenital adrenal hyperplasia caused by 21–hydroxylase deficiency] Bey–Omar F, et al. **Pediatrie** 1983 Mar;38(2):77–86 (Eng. Abstr.) **(Fre)**

[Case of salt–losing congenital adrenal hyperplasia due to 21–hydroxylase deficiency and a short stature caused by early closure of epiphyseal lines in spite of steroid replacement therapy] Kondo T, et al. **Horumon To Rinsho** 1983 Jul;31(7):637–43 **(Jpn)**

ENZYMOLOGY

Abnormalities of various serum enzyme activities in patients with congenital adrenal hyperplasia. Aoyagi T, et al. **Biochem Int** 1983 Feb;6(2):217–23

Adrenogenital syndrome due to 11–beta–hydroxylase deficiency with skeletal abnormalities and pulmonary stenosis. Ajlouni K, et al. **J Endocrinol Invest** 1984 Apr; 7(2):129–31

[Neonatal screening of congenital hyperplasia of the adrenal glands (21–hydroxylase deficiency)] Farriaux JP, et al. **Rev Med Liege** 1984 May 15;39(10):460–3 **(Fre)**

[Aldosterone metabolism in dizygotic twins with simple masculinizing–type adrenal gland hyperplasia due to 21–hydroxylase deficiency] Kondo T, et al. **Horumon To Rinsho** 1983 Jun;31 Suppl:112–5 **(Jpn)**

ETIOLOGY

The incidence of late–onset congenital adrenal hyperplasia due to 21–hydroxylase deficiency among hirsute women. Chetkowski RJ, et al. **J Clin Endocrinol Metab** 1984 Apr; 58(4):595–8

FAMILIAL & GENETIC

Congenital adrenal hypoplasia, progressive muscular dystrophy, and severe mental retardation, in association with glycerol kinase deficiency, in male sibs. Renier WO, et al. **Clin Genet** 1983 Oct;24(4):243–51

HLA linkage to 21–hydroxylase congenital adrenal hyperplasia. Mathews AR, et al. **Indian J Med Res** 1983 Nov;78:676–80

Impaired mineralocorticoid hormone responses to adrenocorticotropin stimulation: additional characterization of heterozygosity for the 21–hydroxylase deficiency type of congenital adrenal hyperplasia. Pardini DP, et al. **J Clin Endocrinol Metab** 1983 Nov;57(5):1061–6

Cold stress and congenital adrenal hyperplasia heterozygotes. Lyen KR. **Med Hypotheses** 1983 Sep;12(1):77–83

Congenital adrenal hyperplasia. New MI, et al. **Monogr Endocrinol** 1984;26:1–88

[The eugenic significance of HLA determination in congenital adrenal hyperplasia] Li XQ. **Chung Hua I Hsueh Tsa Chih** 1984 Feb;64(2):105–7 **(Chi)**

[Cases of late onset and latent steroid–21–hydroxylase defect] Sólyom J, et al. **Orv Hetil** 1984 Jun 3;125(23):1377–80, 83 (Eng. Abstr.) **(Hun)**

[Connection between congenital adrenal hyperplasia due to 21–hydroxylase deficiency and the HLA genotype] Dumić M, et al. **Lijec Vjesn** 1983 Jul–Aug;105(7–8):290–2 (Eng. Abstr.) **(Scr)**

METABOLISM

Metabolism and concentration of androgenic steroids in abdominal skin of hirsute women with androgenital syndrome. Tóth I, et al. **Acta Med Hung** 1984;41(1):7–18

Salivary and plasma androstenedione and 17–hydroxyprogesterone levels in congenital adrenal hyperplasia. Otten BJ, et al. **J Clin Endocrinol Metab** 1983 Dec;57(6):1150–4

Salt loss in hypertensive form of congenital adrenal hyperplasia (11–beta–hydroxylase deficiency). Zadik Z, et al. **J Clin Endocrinol Metab** 1984 Feb;58(2):384–7

Salt losing congenital adrenal hyperplasia. Churesigaew S. **J Med Assoc Thai** 1984 Jan;67(1):24–30

OCCURRENCE

Neonatal screening for congenital adrenal hyperplasia. Cacciari E, et al. **Arch Dis Child** 1983 Oct;58(10):803–6

PATHOLOGY

[Carcinoid–like ACTH–active thymus tumor with adrenal hyperplasia and the Itsenko–Cushing syndrome] Sidorin VS. **Arkh Patol** 1984;46(7):58–62 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

A case of 17 alpha–hydroxylase deficiency with special reference to the renal kallikrein–kinin system. Mita T, et al. **Endocrinol Jpn** 1983 Dec;30(6):763–7

PREVENTION & CONTROL

[Neonatal mass–screening for congenital adrenal hyperplasia due to 21–hydroxylase deficiency. II. A pilot neonatal mass–screening study in the west of Shizuoka Prefecture, Japan] Shimozawa K. **Nippon Naibunpi Gakkai Zasshi** 1983 Dec 20;59(12):1860–73 (Eng. Abstr.) **(Jpn)**

[Neonatal mass–screening for congenital adrenal hyperplasia due to 21–hydroxylase deficiency. I. Microfilter paper methods for radioimmunoassay of 17 alpha–hydroxyprogesterone] Shimozawa K. **Nippon Naibunpi Gakkai Zasshi** 1983 Dec 20;59(12):1845–9 (Eng. Abstr.) **(Jpn)**

PSYCHOLOGY

Psychological evaluation of treated females with virilizing congenital adrenal hyperplasia. Hurtig AL, et al. **J Pediatr Surg** 1983 Dec;18(6):887–93

RADIOGRAPHY

The radiological diagnosis of the sinus urogenitalis. Tröger J, et al. **Prog Pediatr Surg** 1984;17:11–20

[X–ray diagnosis of the adrenogenital syndrome in children and adolescents] Burdina LM, et al. **Akush Ginekol (Mosk)** 1983 Nov;(11):48–50 (Eng. Abstr.) **(Rus)**

SURGERY

Paediatric surgical principles in the management of children with intersex. Bolkenius M, et al. **Prog Pediatr Surg** 1984; 17:33–8

Plastic operations of the adrenogenital syndrome. Flach A, et al. **Prog Pediatr Surg** 1984;17:39–48

Operative correction of intersexual genitals in children. Hecker WC. **Prog Pediatr Surg** 1984;17:21–31

Results after operative correction of virilized female genitalia in children with congenital adrenal hyperplasia (CAH). Borgwardt G, et al. **Z Kinderchir** 1984 Feb;39(1):55–8

[Plastic surgery of the external genitalia in a girl with adrenogenital syndrome] Borgwardt G. **Padiatr Grenzgeb** 1983;22(5):341–5 (Eng. Abstr.) **(Ger)**

THERAPY

Sex reassignment in a girl with 11 beta–hydroxylase deficiency. Bistritzer T, et al. **Isr J Med Sci** 1984 Jan; 20(1):55–8

ADRENAL MEDULLA

Some functional characteristics of adrenal medullary tumors in aged male Wistar rats. Bosland MC, et al. **Vet Pathol** 1984 Mar;21(2):129–40

[Diagnosis and treatment of pheochromocytoma (case report)] Tsanev A, et al. **Khirurgiia (Sofiia)** 1983; 36(5):460–5 (Eng. Abstr.) **(Bul)**

[Hormone–secreting tumors of the adrenal medulla. Clinicopathological characteristics of various tumors based on the WHO classification] Miyayama H, et al. **Nippon Rinsho** 1983 Jun;41(6):1162–8 **(Jpn)**

[Treatment of severe arterial hypertension by chemical sclerosis of the adrenal medulla, using intra–arterial catheterization. Experimental studies] Mandache F, et al. **Rev Chir [Chir]** 1984 Mar–Apr;33(2):143–50 (Eng. Abstr.) **(Rum)**

ANALYSIS

Adrenal medulla gangliosides. Sekine M, et al. **Adv Exp Med Biol** 1984;174:103–10

Isolation and characterization of a novel disialoganglioside from bovine adrenal medulla. Ariga T, et al. **Arch Biochem Biophys** 1984 Jul;232(1):305–9

Adrenal medullary chromaffin granule peptides: two major ovine peptides and their precursor. Lewis RV, et al. **Arch Biochem Biophys** 1984 Apr;230(1):154–7

Detection of bovine pancreatic trypsin inhibitor (bPTI) in bovine and ovine pituitaries, bovine brain, and adrenal medulla. A specific radioimmunoassay for bPTI. Westphal M, et al. **Arch Biochem Biophys** 1984 Mar;229(2):555–9

Purification and characterization of human neuropeptide Y from adrenal–medullary phaeochromocytoma tissue. Corder R, et al. **Biochem J** 1984 May 1;219(3):699–706

Regional distribution of free and sulfoconjugated catecholamines in the bovine adrenal cortex and medulla. Racz K, et al. **Can J Physiol Pharmacol** 1984 Jun; 62(6):622–6

Selective localization of the parathyroid secretory protein–I/adrenal medulla chromogranin A protein family in a wide variety of endocrine cells of the rat. Cohn DV, et al. **Endocrinology** 1984 Jun;114(6):1963–74

Purification of a sulfated secretory protein from the adenohypophysis. Immunochemical evidence that similar macromolecules are present in other glands. Rosa P, et al. **Eur J Cell Biol** 1983 Jul;31(1):94–8

Characterization of new enkephalin–containing peptides in the adrenal medulla by immunoblotting. Patey G, et al. **FEBS Lett** 1984 Jul 9;172(2):303–8

Ganglioside composition of chromaffin granule membrane in bovine adrenal medulla. Sekine M, et al. **J Biochem (Tokyo)** 1984 Jan;95(1):155–60

Chromogranin A, the major catecholamine storage vesicle soluble protein. Multiple size forms, subcellular storage, and regional distribution in chromaffin and nervous tissue elucidated by radioimmunoassay. O'Connor DT, et al. **J Biol Chem** 1984 Mar 10;259(5):3237–47

Immunological identification and characterization of chromogranins coded by poly(A) mRNA from bovine adrenal medulla and pituitary .gland and human phaeochromocytoma. Serck–Hanssen G, et al. **J Biol Chem** 1984 Sep 25;259(18):11597–600

Neurohypophysial hormones in the adrenal medulla. Ang VT, et al. **J Clin Endocrinol Metab** 1984 Apr;58(4):688–91

Chromaffin reactions and fluorometric determination of catecholamines in the neonatal adrenal medulla of the rat. Piezzi RS, et al. **J Histochem Cytochem** 1983 Dec; 31(12):1351–5

A high molecular weight form of met5–enkephalin–arg6–gly7–leu8 in rat brain and bovine adrenal chromaffin granules. Lindberg I, et al. **Life Sci** 1983;33 Suppl 1:5–8

Purification of the N–terminal fragment of proenkephalin from bovine adrenal medulla. Liston D, et al. **Life Sci** 1983; 33 Suppl 1:45–7

[Catecholamines and opioid peptides contained in the catecholamine granules of adrenal medulla cells] Sato J, et al. **Horumon To Rinsho** 1983 Sep;31(9):877–80 **(Jpn)**

BLOOD SUPPLY

Relationship between chromaffin cells and blood vessels in the rat adrenal medulla: a transmission electron microscopic study combined with blood vessel reconstructions. Kikuta A, et al. **Am J Anat** 1984 May;170(1):73–81

CYTOLOGY

Neuropeptide tyrosine (NPY) immunoreactivity in norepinephrine–containing cells and nerves of the mammalian adrenal gland. Varndell IM, et al. **Endocrinology** 1984 Apr;114(4):1460–2

Membrane events in adrenal chromaffin cells during exocytosis: a freeze–etching analysis after rapid cryofixation. Schmidt W, et al. **Eur J Cell Biol** 1983 Nov; 32(1):31–7

The relationship between arachidonic acid release and catecholamine secretion from cultured bovine adrenal chromaffin cells. Frye RA, et al. **J Neurochem** 1984 Jul; 43(1):146–50

Preparation and maintenance of adrenal medullary chromaffin cell cultures. Wilson SP, et al. **Methods Enzymol** 1983;103:305–12

Tetanus toxin binding to different morphological phenotypes of cultured rat and bovine adrenal medullary cells. Lietzke R, et al. **Neurosci Lett** 1983 Aug 8;38(3):233–8

Isolated chromaffin cells from adrenal medulla contain primarily monoamine oxidase B. Youdim MB, et al. **Science** 1984 May 11;224(4649):619–21

DRUG EFFECTS

Selective actions of intravenous anesthetics on nicotinic– and muscarinic–receptor–mediated responses of the dog adrenal medulla. Sumikawa K, et al. **Anesthesiology** 1983 Nov; 59(5):412–6

Different inhibitory sites of action for magnesium and verapamil in the bovine adrenal medulla. Pinto JE, et al. **Arch Int Pharmacodyn Ther** 1984 Feb;267(2):319–27

Effect of 6–hydroxydopamine on bovine adrenal chromaffin cells in culture. Kirpekar SM, et al. **Br J Pharmacol** 1983 Aug;79(4):947–52

Effect of acebutolol on plasma catecholamine concentrations in anesthetized dogs with ouabain–induced arrhythmias and its direct actions in vitro on the adrenal medulla. Nakai T, et al. **Endocrinol Jpn** 1983 Oct;30(5):643–9

Effect of alpha–bungarotoxin and etorphine on acetylcholine–evoked release of endogenous and radiolabeled catecholamines from primary culture of adrenal chromaffin cells. Kageyama H, et al. **J Neurosci Methods** 1984 Jan;10(1):9–16

Dopamine analog–induced hyperglycemia in rats: involvement of the adrenal medulla and the endocrine pancreas. Arnerić SP, et al. **J Pharmacol Exp Ther** 1984 Mar;228(3):551–9

A small increment of external K concentration accelerates adrenomedullary catecholamine secretion induced by

ouabain and metabolic inhibitors. Sorimachi M, et al. **Jpn J Physiol** 1983;33(4):681–5

A morphological study of the effect of reserpine on the avian adrenal medulla. Ohie K. **Kitasato Arch Exp Med** 1983 Jun; 56(1–2):31–43

Pharmacological dissection of receptor-associated and voltage-sensitive ionic channels involved in catecholamine release. Ceña V, et al. **Neuroscience** 1983 Dec;10(4):1455–62

ENZYMOLOGY

Characterization of tyrosine hydroxylase from bovine adrenal medulla. Oka K, et al. **Biochem Int** 1983 Sep;7(3):387–93

pH-dependent modulation of phospholipase A2 activity by alkaline cations and catecholamines in a granule-enriched fraction of adrenal medulla. Bartolf M, et al. **Biochim Biophys Acta** 1984 May 11;793(3):379–86

Purification and characterization of rat dopamine beta-monooxygenase and monoclonal antibodies to the enzyme. Okuno S, et al. **Biochim Biophys Acta** 1984 Jun 29;799(3):260–9

Expression of phenylethanolamine N-methyltransferase in sympathetic neurons and extraadrenal chromaffin tissue of chick embryos in vivo and in vitro. Teitelman G, et al. **Brain Res** 1984 Apr;315(2):283–91

Detection and regulation of the tyrosine hydroxylase mRNA levels in rat adrenal medulla and brain tissues. Mallet J, et al. **Cold Spring Harbor Symp Quant Biol** 1983;48 Pt 1:305–8

Membrane dopamine beta-hydroxylase: a precursor for the soluble enzyme in the bovine adrenal medulla. Helle KB, et al. **Int J Biochem** 1984;16(6):641–50

Adrenomedullary catecholaminergic activity increases with age in male laboratory rodents. Banerji TK, et al. **J Gerontol** 1984 May;39(3):264–8

Further characterization of an enkephalin-generating enzyme from adrenal medullary chromaffin granules. Lindberg I, et al. **J Neurochem** 1984 May;42(5):1411–9

Tyrosine hydroxylase in 'leaky' adrenal medullary cells: evidence for in situ phosphorylation by separate Ca2+ and cyclic AMP-dependent systems. Niggli V, et al. **J Neurochem** 1984 Sep;43(3):646–58

Participation of cytochrome b5 electron transport system coupled with delta 5–3 beta-hydroxysteroid dehydrogenase on cytochrome P-450 monooxygenase reactions of guinea pig adrenal microsomes. Nakajin S, et al. **J Pharmacobiodyn** 1983 Nov;6(11):859–65

Inhibition by chlorpromazine, metals and L-ascorbic acid of calcium-ATPase and magnesium-ATPase in bovine adrenal medullary microsomes. Yamanaka K, et al. **Jpn J Pharmacol** 1984 Apr;34(4):447–55

GABA-T in bovine medulla cells: kinetic properties and comparison with GABA-T from other tissues. Fernández-Ramil JM, et al. **Rev Esp Fisiol** 1983 Sep; 39(3):299–303

IMMUNOLOGY

Sustentacular cells in the fetal human adrenal medulla are immunoreactive with antibodies to brain S-100 protein. Iwanaga T, et al. **Cell Tissue Res** 1984;236(3):733–5

Anti-glucagon-cell and anti-adrenal-medullary-cell antibodies in islet-cell-autoantibody-positive diabetic children [letter] Schopfer K, et al. **N Engl J Med** 1984 Jun 7;310(23):1536–7

INNERVATION

Strain differences in sympathetic-adrenal medullary responsiveness and behavior. McCarty R, et al. **Behav Neural Biol** 1984 Jan;40(1):98–113

Thyrotropin-releasing hormone (TRH) improves survival in anaphylactic shock: a central effect mediated by the sympatho-adrenomedullary beta-adrenoceptive system. Amir S, et al. **Brain Res** 1984 Apr 30;298(2):219–24

Antianaphylactic effect of naloxone in mice is mediated by increased central sympathetic outflow to sympathetic nerve endings and adrenal medulla. Amir S. **Brain Res** 1983 Sep 5;274(1):180–3

The adrenal paraneurone: tubulin organization. Bader MF, et al. **Can J Physiol Pharmacol** 1984 Apr;62(4):502–11

Ion channels and membrane potential in stimulus-secretion coupling in adrenal paraneurons. Kilpatrick DL. **Can J Physiol Pharmacol** 1984 Apr;62(4):477–83

Dynorphin and enkephalins in adrenal paraneurones. Opiates in the adrenal medulla. Lemaire S, et al. **Can J Physiol Pharmacol** 1984 Apr;62(4):484–92

Receptors and receptor modulation in cultured chromaffin cells. Livett BG, et al. **Can J Physiol Pharmacol** 1984 Apr; 62(4):467–76

Adrenal paraneurone contractile proteins and stimulus-secretion coupling. Trifaró JM, et al. **Can J Physiol Pharmacol** 1984 Apr;62(4):493–501

METABOLISM

Cyclic-AMP-mediated modulation of gene expression in adrenal chromaffin cell cultures. Schwartz JP, et al. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1984; 17:529–34

Tetrahydrobiopterin is synthesized by separate pathways from dihydroneopterin triphosphate and from sepiapterin in adrenal medulla preparations. Smith GK, et al. **Arch Biochem Biophys** 1983 Nov;227(1):272–8

Possible involvement of actin and myosin in Ca2+ transport through the plasma membrane of chromaffin cells. Harish OE, et al. **Biochem Biophys Res Commun** 1984 Mar 15; 119(2):652–6

Two new tetrahydropterin intermediates in the adrenal medullary de novo biosynthesis of tetrahydrobiopterin. Smith GK, et al. **Biochem Biophys Res Commun** 1984 May 16;120(3):761–6

ATP-stimulated accumulation of calcium by chromaffin granules and mitochondria from the adrenal medulla. von Grafenstein HR, et al. **Biochem Biophys Res Commun** 1983 Nov 30;117(1):245–51

Substance P-like immunoreactivity in plasma and adrenal medulla of rats with spontaneous hypertension and WKY rats under acute stress. Rathsack R, et al. **Biomed Biochim Acta** 1983;42(7–8):955–8

Effects of collagenase on the release of [3H]-noradrenaline from bovine cultured adrenal chromaffin cells. Almazan G, et al. **Br J Pharmacol** 1984 Apr;81(4):599–610

Effects of manganese and other divalent cations on calcium uptake and catecholamine secretion by primary cultures of bovine adrenal medulla cells. Corcoran JJ, et al. **Cell Calcium** 1983 Jul;4(3):127–37

On the uptake and storage of 5-hydroxytryptamine, 5-hydroxytryptophan and catecholamines by adrenal chromaffin cells and nerve endings. Kent C, et al. **Cell Tissue Res** 1984;236(1):189–95

Ultrastructural changes in adrenaline- and SGC-cells after morphine coincide with alterations of adrenaline and dopamine levels. Thureson-Klein A, et al. **Cell Tissue Res** 1984;236(1):53–65

Immunofluorescent patterns of clathrin and dopamine beta-hydroxylase in chromaffin cells in culture. Trifaró JM, et al. **Cell Tissue Res** 1984;235(2):365–70

Transport of exogenous peroxidase in the adrenal medulla. Kraus R, et al. **Folia Morphol (Praha)** 1984;32(2):100–4

Effect of prolonged physical training on the histochemically demonstrable catecholamines in the sympathetic neurons, the adrenal gland and extra-adrenal catecholamine storing cells of the rat. Alho H, et al. **J Auton Nerv Syst** 1984 Apr;10(2):181–91

Flux of catecholamines through chromaffin vesicles in cultured bovine adrenal medullary cells. Corcoran JJ, et al. **J Biol Chem** 1984 May 25;259(10):6208–14

Identification and characterization of the catecholamine transporter in bovine chromaffin granules using [3H]reserpine. Deupree JD, et al. **J Biol Chem** 1984 Sep 10;259(17):10907–12

Characterization of ascorbic acid transport by adrenomedullary chromaffin cells. Evidence for Na+-dependent co-transport. Diliberto EJ Jr, et al. **J Biol Chem** 1983 Nov 10;258(21):12886–94

An identical cytochrome b561 is present in bovine adrenal chromaffin vesicles and posterior pituitary neurosecretory vesicles. Duong LT, et al. **J Biol Chem** 1984 Apr 25; 259(8):4885–9

Direct photoaffinity labeling of proteins with adenosine 3'-[32P]phosphate 5'-phosphosulfate. Atractyloside inhibits labeling of a Mr = 34,000 protein in an adrenal medullary Golgi fraction. Lee RW, et al. **J Biol Chem** 1984 Sep 10; 259(17):11153–6

Functional asymmetry of the amine transporter from chromaffin granules. Maron R, et al. **J Biol Chem** 1983 Oct 10;258(19):11476–81

Effects of hypophysectomy and metyrapone on the catecholamine content and volumes of adrenaline- and noradrenaline-storing cells in the rat adrenal medulla. Coupland RE, et al. **J Endocrinol** 1984 Jun;101(3):345–52

Adrenal medulla imaging agents: a structure-distribution relationship study of radiolabeled aralkylguanidines. Wieland DM, et al. **J Med Chem** 1984 Feb;27(2):149–55

Chromaffin granule membrane-F-actin interactions and spectrin-like protein of subcellular organelles: a possible relationship. Aunis D, et al. **J Neurochem** 1984 Jun; 42(6):1558–69

Combined stereological and biochemical analysis of storage and release of catecholamines in the adrenal medulla of the rat. Nordmann JJ. **J Neurochem** 1984 Feb;42(2):434–7

Opiate binding sites in bovine adrenal medulla. Boublik JH, et al. **J Recept Res** 1983;3(4):463–79

Opiate binding sites spectrum on bovine adrenal medullas and six human pheochromocytomas. Castanas E, et al. **Life Sci** 1983;33 Suppl 1:295–8

Effects of W-7 on catecholamine release and 45Ca2+ uptake in cultured adrenal chromaffin cells. Sasakawa N, et al. **Life Sci** 1983 Nov 14;33(20):2017–24

Adrenal medullary opiate receptors. Pharmacological characterization in bovine adrenal medulla and a human pheochromocytoma. Castanas E, et al. **Mol Pharmacol** 1984 Jan;25(1):38–45

Reserpine binding to bovine chromaffin granule membranes. Characterization and comparison with dihydrotetrabenazine binding. Scherman D, et al. **Mol Pharmacol** 1984 Jan;25(1):113–22

Clathrin light chains and secretory vesicle binding proteins are distinct. Creutz CE, et al. **Nature** 1984 Mar 8–14; 308(5955):208–10

Cyclic adenosine monophosphate regulates vasoactive intestinal polypeptide and enkephalin biosynthesis in cultured bovine chromaffin cells. Eiden LE, et al. **Neuropeptides** 1983 Dec;4(1):1–9

Efflux of 45Ca from bovine adrenal medulla cells in culture caused by nicotinic receptor stimulation. Wada A, et al. **Neurosci Lett** 1984 Jun 1;47(1):69–74

Phosphorus-31 nuclear magnetic resonance studies of pig adrenal glands. Bevington A, et al. **Neuroscience** 1984 Jan; 11(1):281–6

Adenine nucleotide and phosphoenolpyruvate transport by bovine chromaffin granule 'ghosts'. Grüninger HA, et al. **Neuroscience** 1983 Aug;9(4):917–24

Immunohistochemical and neurochemical evidence for the presence of serotonin in the adrenal medulla of the rat. Verhofstad AA, et al. **Neuroscience** 1983 Dec;10(4):1443–53

Alternative modes of enkephalin biosynthesis regulation by reserpine and cyclic AMP in cultured chromaffin cells. Eiden LE, et al. **Proc Natl Acad Sci USA** 1984 Jul; 81(13):3949–53

Changes in rat adrenal catecholamines and proenkephalin metabolism after denervation. Fleminger G, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(11):3587–90

Impulse activity differentially regulates [Leu]enkephalin and catecholamine characters in the adrenal medulla. LaGamma EF, et al. **Science** 1984 Jun 8;224(4653):1102–4

[Cellular distribution of substance P in the rat adrenal medulla] Görne RC, et al. **Biomed Biochim Acta** 1984; 43(1):135–7 (Eng. Abstr.) **(Ger)**

[Blood pressure and substance P-like immunoreactivity in the adrenal medulla and plasma of normotensive Wistar Kyoto rats and spontaneously hypertensive rats of varying age under acute stress] Roske I, et al. **Pharmazie** 1983 Dec; 38(12):885–6 **(Ger)**

PATHOLOGY

Microscopic postmortem changes in adrenal glands of the domestic fowl. Alejandro VS, et al. **Avian Dis** 1984 Apr-Jun;28(2):374–85

PHYSIOLOGY

Effects of naloxone on catecholamine plasma levels in adult men. A dose-response study. Mannelli M, et al. **Acta Endocrinol (Copenh)** 1984 Jul;106(3):357–61

Different osmotic stability of two storage pools of adrenomedullary catecholamines: possible relevance to exocytotic release of the hormones. Serck-Hanssen G. **Acta Physiol Scand** 1984 Jan;120(1):137–40

Plasma catecholamines as markers for sympatho-adrenal activity in man. **Acta Physiol Scand [Suppl]** 1984;527:1–54

Plasma catecholamines as markers for sympatho-adrenal activity in man. Introductory remarks. Folkow B. **Acta Physiol Scand [Suppl]** 1984;527:7–9

Influence of the sympatho-adrenal system on some metabolic and hormonal responses to exercise in the rat with special reference to the effect on glycogenolysis in skeletal muscle. Richter EA. **Acta Physiol Scand [Suppl]** 1984;528:1–42

Age and prior caffeine use alter the cardiovascular and adrenomedullary responses to oral caffeine. Izzo JL Jr, et al. **Am J Cardiol** 1983 Oct 1;52(7):769–73

Responses of SHR to combinations of chemical sympathectomy, adrenal demedullation, and training. Tipton CM, et al. **Am J Physiol** 1984 Jul;247(1 Pt 2):H109–18

Effects of the administration of progesterone and adrenal medullectomy on the plasma fibrinogen levels in rats with surgical injury (laparotomy). Palma JA, et al. **Arch Int Physiol Biochim** 1983 Jul;91(2):81–5

Adrenomedullary responses to acute and chronic ethanol administration to rats. Guaza C, et al. **Biochem Pharmacol** 1983 Oct 15;32(20):3091–5

The effect of bilateral adrenal demedullation on vascular reactivity and blood pressure in spontaneously hypertensive rats. Borkowski KR, et al. **Br J Pharmacol** 1983 Nov; 80(3):429–37

The enkephalinergic neuron: implications of a polyenkephalin precursor. Rossier J, et al. **Cold Spring Harbor Symp Quant Biol** 1983;48 Pt 1:393–404

Adrenocortical and adrenomedullary responses of fowl to treadmill exercise. Rees A, et al. **Gen Comp Endocrinol** 1984 Sep;55(3):488–92

Neuroendocrine, vascular, and renal elements of hypertension. Proceedings of the Council for High Blood Pressure Research, American Heart Association. Cleveland, September 21–23, 1983. **Hypertension** 1984 Mar-Apr;6(2 Pt 2):I1–210

Plasma catecholamine and cardiovascular responses following hypothalamic stimulation in the awake cat. Stoddard-Apter SL, et al. **J Auton Nerv Syst** 1983 Aug; 8(4):343–60

Visualization of the exocytosis/endocytosis secretory cycle in cultured adrenal chromaffin cells. Phillips JH, et al. **J Cell Biol** 1983 Dec;97(6):1906–17

The effect of electroacupuncture on the function of sympatheto-adrenal medulla. Sun SM, et al. **J Tradit Chin Med** 1984 Mar;4(1):11–4

Operation of internal Na-dependent Ca influx mechanism associated with catecholamine secretion in the adrenal chromaffin cells. Sorimachi M, et al. **Jpn J Physiol** 1984; 34(1):19–39

Chromogranin A [editorial] Landsberg L. **N Engl J Med** 1984 Sep 20;311(12):794–5

Dihydropyridine BAY-K-8644 activates chromaffin cell calcium channels. García AG, et al. **Nature** 1984 May 3–9; 309(5963):69–71

Evidence that central dopamine receptors modulate

sympathetic neuronal activity to the adrenal medulla to alter glucoregulatory mechanisms. Arnerić SP, et al. **Neuropharmacology** 1984 Feb;23(2A):137–47

Enkephalins are associated with adrenergic granules in bovine adrenal medulla. Roisin MP, et al. **Neuroscience** 1983 Sep;10(1):83–8

TRH: cardiovascular and sympathetic modulation in brain nuclei of the rat. Feuerstein G, et al. **Peptides (Fayetteville)** 1983 Sep–Oct;4(5):617–20

Anaphylaxis-induced increase in plasma cyclic AMP dependent on endogenous catecholamines in rats. Okabe E, et al. **Pharmacology** 1983;27(3):160–8

Meal patterns and glucoprivic feeding in the guanethidine-sympathectomized, adrenodemedullated rat. Tordoff MG, et al. **Physiol Behav** 1984 Feb;32(2):229–35

Intrinsic GABAergic system of adrenal chromaffin cells. Kataoka Y, et al. **Proc Natl Acad Sci USA** 1984 May; 81(10):3218–22

C6 glioma cell–conditioned medium induces neurite outgrowth and survival of rat chromaffin cells in vitro: comparison with the effects of nerve growth factor. Unsicker K, et al. **Proc Natl Acad Sci USA** 1984 Apr; 81(7):2242–6

Dissection of stages in exocytosis in the adrenal chromaffin cell with use of trifluoperazine. Burgoyne RD, et al. **Proc R Soc Lond [Biol]** 1982 Aug 23;216(1202):111–5

Contractile proteins in chromaffin cells. Bader MF, et al. **Prog Brain Res** 1983;58:21–9

Effect of naloxone administration upon responses of adrenal hormones to withdrawal from ethanol. Guaza C, et al. **Psychopharmacology (Berlin)** 1984;82(3):181–4

[Increased adrenocortical and adrenomedullary functions in rats treated with hyperbaric oxygenation] Nakada T, et al. **Nippon Hinyokika Gakkai Zasshi** 1984 Mar;75(3):490–5 (Eng. Abstr.) **(Jpn)**

[The glucocorticoid effect on the impaired water excretion and hypofunctioned thick ascending limb of Henle in the adrenalectomized rabbit] Kitamura M. **Nippon Jinzo Gakkai Shi** 1983 Oct;25(10):1277–88 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

A comparison of the activity of the sympathoadrenal and adrenocortical system under inhalation anesthesia techniques. Abdulla YW, et al. **Acta Anaesthesiol Belg** 1983 Dec;34(4):257–64

Increased adrenal catecholamines in salt–sensitive genetically hypertensive Dahl rats. Saavedra JM, et al. **Am J Physiol** 1983 Nov;245(5 Pt 1):H762–6

Beneficial effect of i.c.v. naloxone in anaphylactic shock is mediated through peripheral beta-adrenoceptive mechanisms. Amir S. **Brain Res** 1984 Jan 2;290(1):191–4

Sympathetic nerves and adrenal medulla: contributions to cardiovascular–conditioned emotional responses in spontaneously hypertensive rats. Sakaguchi A, et al. **Hypertension** 1983 Sep–Oct;5(5):728–38

Radioimmunoassay of chromogranin A in plasma as a measure of exocytotic sympathoadrenal activity in normal subjects and patients with pheochromocytoma. O'Connor DT, et al. **N Engl J Med** 1984 Sep 20;311(12):764–70

Avenues of investigation for the role of catecholamines in anxiety. Kopin IJ. **Psychopathology** 1984;17 Suppl 1:83–97 (89 ref.)

[Features of individual adrenoreactivity in adolescents with primary arterial hypertension] Brin VB, et al. **Pediatriia** 1984 Apr;(4):29–31 (Eng. Abstr.) **(Rus)**

[Status of the sympathetic-adrenal system in the initial and early periods of closed craniocerebral injuries in children] Aliev ZM, et al. **Zh Nevropatol Psikhiatr** 1983; 83(10):1455–60 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Meta-iodobenzylguanidine adrenal medulla localization: autoradiographic and pharmacologic studies. Guilloteau D, et al. **Eur J Nucl Med** 1984;9(6):278–81

New 75Se-labeled radiopharmaceuticals: 2. Selenium derivatives of aralkylamines. Sadek SA, et al. **Int J Appl Radiat Isot** 1984 Jan;35(1):35–9

Preparation and evaluation of radioiodinated phenylpiperazines as adrenomedullary imaging agents. Hanson RN. **Int J Nucl Med Biol** 1983;10(4):219–22

SECRETION

Brain peptide regulation of adrenal epinephrine secretion. Brown MR, et al. **Am J Physiol** 1984 Jul;247(1 Pt 1):E41–6 (47 ref.)

Dissociation of sympathetic nervous system and adrenal medullary responses. Young JB, et al. **Am J Physiol** 1984 Jul;247(1 Pt 1):E35–40

Effects of the novel dihydropyridine BAY-K-8644 on adrenomedullary catecholamine release evoked by calcium reintroduction. Montiel C, et al. **Biochem Biophys Res Commun** 1984 May 16;120(3):851–7

Failure of beta-adrenergic receptors to modulate adrenal medullary secretion. Michener ML, et al. **Biochem Pharmacol** 1984 Jun 1;33(11):1819–23

Catecholamine secretion by perfused bovine adrenal medulla in response to nicotinic activation is inhibited by muscarinic receptors. Swilem AM, et al. **Biochem Pharmacol** 1983 Dec 15;32(24):3873–4

Temperature effects in the stimulus–secretion process from isolated chromaffin cells. Hiram Y, et al. **Biophys J** 1984 Apr;45(4):651–8

Ascorbic acid and catecholamine secretion from cultured chromaffin cells. Levine M, et al. **J Biol Chem** 1983 Nov 10;258(21):13111–5

Central cholinergic stimulation causes adrenal epinephrine release. Kennedy B, et al. **J Clin Invest** 1984 Sep; 74(3):972–5

Desensitization to nicotinic cholinergic agonists and K+, agents that stimulate catecholamine secretion, in isolated adrenal chromaffin cells. Boksa P, et al. **J Neurochem** 1984 Mar;42(3):607–17

Substance P protects against desensitization of the nicotinic response in isolated adrenal chromaffin cells. Boksa P, et al. **J Neurochem** 1984 Mar;42(3):618–27

Temperature dependence of catecholamine secretion from cultured bovine chromaffin cells. Kao LS, et al. **J Neurochem** 1984 Aug;43(2):590–2

Parallel but separate release of catecholamines and acetylcholinesterase from stimulated adrenal chromaffin cells in culture. Mizobe F, et al. **J Neurochem** 1984 May; 42(5):1433–8

Time course of release of catecholamine and other granular contents from perifused adrenal chromaffin cells of guinea-pig. Ito S. **J Physiol (Lond)** 1983 Aug;341:153–67

Renal modulation of electrically stimulated adrenal medullary secretion. Badder EM, et al. **J Surg Res** 1984 Feb;36(2):158–62

Prevention of catecholamine release from adrenal chromaffin cells by phospholipase A2– and lipoxygenase–inhibitors. Sasakawa N, et al. **Jpn J Pharmacol** 1983 Oct;33(5):1077–80

Effect of trifluoperazine and calmodulin on catecholamine secretion by saponin–skinned cultured chromaffin cells. Brooks JC, et al. **Life Sci** 1984 Feb 13;34(7):669–74

Thiophosphorylation prevents catecholamine secretion by chemically skinned chromaffin cells. Brooks JC, et al. **Life Sci** 1984 Jul 30;35(5):569–74

Inhibition by alpha 2–adrenoceptor agonists of the secretion of catecholamines from isolated adrenal medullary cells. Sakurai S, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1983 Sep;324(1):15–9

Effects of desipramine, trifluoperazine and other inhibitors of calmodulin on the secretion of catecholamines from the adrenal medulla and postganglionic sympathetic nerves of the salivary gland. Wakade AR, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Apr; 325(4):320–7

Adrenal medullary secretion in response to diencephalic stimulation in the rat. Matsui H. **Neuroendocrinology** 1984 Feb;38(2):164–8

Involvement of Na influx in acetylcholine receptor mediated secretion of catecholamines from cultured bovine adrenal medulla cells. Wada A, et al. **Neurosci Lett** 1984 Jun 1; 47(1):75–80

In vitro and in vivo evidence that the C–terminus of preproenkephalin–A circulates as an 8500–dalton molecule. Baird A, et al. **Proc Soc Exp Biol Med** 1984 Mar; 175(3):304–8

TRANSPLANTATION

Functional brain tissue transplantation: reversal of lesion–induced rotation by intraventricular substantia nigra and adrenal medulla grafts, with a note on intracranial retinal grafts. Freed WJ. **Biol Psychiatry** 1983 Nov; 18(11):1205–67

Adrenal medullary implants in the dopamine–denervated rat striatum. II. Acute behavior as a function of graft amount and location and its modulation by neuroleptics. Herrera-Marschitz M, et al. **Brain Res** 1984 Apr 9; 297(1):53–61

Adrenal medullary implants in the dopamine–denervated rat striatum. I. Acute catecholamine levels in grafts and host caudate as determined by HPLC–electrochemistry and fluorescence histochemical image analysis. Strömberg I, et al. **Brain Res** 1984 Apr 9;297(1):41–51

Adrenal medulla grafts survive and exhibit catecholamine–specific fluorescence in the primate brain. Morihisa JM, et al. **Exp Neurol** 1984 Jun;84(3):643–53

ULTRASTRUCTURE

Calmodulin binding and protein phosphorylation in adrenal medulla coated vesicles. Geisow MJ, et al. **FEBS Lett** 1984 Apr 24;169(2):127–32

Binding of actin to chromaffin granules and mitochondrial fractions of adrenal medulla. Kao LS, et al. **FEBS Lett** 1984 Jul 23;173(1):119–23

Adrenal chromaffin cell calmodulin: its subcellular distribution and binding to chromaffin granule membrane proteins. Hikita T, et al. **J Neurochem** 1984 Oct; 43(4):1087–97

Two new lesions in Alzheimer's disease [letter] Averback P. **Lancet** 1983 Nov 19;2(8360):1203

Scanning electron microscopy of chemically skinned bovine adrenal medullary chromaffin cells. Brooks JC, et al. **Mikroskopie** 1983 Dec;40(11–12):347–56

[Morphometric study of the adrenal medulla of rats in long–term hypokinesia] Pankova AS, et al. **Kosm Biol Aviakosm Med** 1983 Sep–Oct;17(5):51–4 (Eng. Abstr.) **(Rus)**

ADRENAL REST TUMOR

COMPLICATIONS

Steroid and gonadotropin secretion in a patient with a 30–year history of virilization due to lipoid–cell ovarian tumor. Barkan AL, et al. **Obstet Gynecol** 1984 Aug; 64(2):287–95

PATHOLOGY

Primary testicular abnormalities causing precocious puberty Leydig cell tumor, Leydig cell hyperplasia, and adrenal rest tumor. Wilson BE, et al. **Ann Clin Lab Sci** 1983 Jul–Aug;13(4):315–20

ADRENALECTOMY

Effect of the removal of different endocrine glands upon insulin secretion and B–cell ultrastructure. Gómez Dumm CL, et al. **Acta Anat (Basel)** 1984;119(4):241–7

The hormonal regulation of purine biosynthesis. Pizzichini M, et al. **Adv Exp Med Biol** 1984;165 Pt A:433–6

Aldosterone blocks adrenal compensatory hypertrophy in the rat. Grizzle WE, et al. **Am J Physiol** 1984 Apr;246(4 Pt 1):E306–10

Influence of adrenalectomy and steroid replacement on heart citrate synthase levels. Marver D. **Am J Physiol** 1984 May; 246(5 Pt 1):E452–7

Adrenalectomy and food restriction in the genetically obese (ob/ob) mouse. Saito M, et al. **Am J Physiol** 1984 Jan;246(1 Pt 2):R20–5

Long term follow–up of surgical adrenalectomy for breast cancer. Bennett RC. **Aust NZ J Surg** 1983 Oct;53(5):415–9

Beta–adrenergic control of phosphatidylcholine synthesis by transmethylation in hepatocytes from juvenile, adult and adrenalectomized rats. Marin–Cao D, et al. **Biochem J** 1983 Dec 15;216(3):675–80

Age–dependent responses of the serum non–esterified fatty acids to adrenalectomy and ovariectomy in developing rats. Delorme J, et al. **Biochim Biophys Acta** 1984 Jan 17; 792(1):6–10

Effect of adrenalectomy on cellular calcium metabolism and on the response to adrenergic stimulation of hepatocytes isolated from male and female rats. Studer RK, et al. **Biochim Biophys Acta** 1984 Jul 20;804(3):377–85

Hyperprolactinemia enhances ovarian estrogen responsiveness to gonadotropins in prepubertal rats: antagonistic effect of adrenalectomy. Advis JP, et al. **Biol Reprod** 1983 Aug;29(1):181–94

Effects of castration and adrenalectomy on in vitro rates of tryptophan hydroxylation and levels of serotonin in microdissected brain nuclei of adult male rats. Long JB, et al. **Brain Res** 1983 Oct 31;277(2):289–97

Clinical effect of aminoglutethimide, medical adrenalectomy, in treatment of 43 patients with advanced prostatic carcinoma. Drago JR, et al. **Cancer** 1984 Apr 1; 53(7):1447–50

Tamoxifen (Nolvadex) versus adrenalectomy in metastatic breast cancer. Nemoto T, et al. **Cancer** 1984 Mar 15; 53(6):1333–5

Ablative procedures in patients with metastatic breast carcinoma. Wells SA Jr, et al. **Cancer** 1984 Feb 1;53(3 Suppl):762–5

Mirex–induced adaptive liver growth: a corticosterone–mediated response. Yarbrough JD, et al. **Cell Tissue Kinet** 1984 Sep;17(5):465–73

Adrenalectomy blocks pressor responses to naloxone in endotoxic shock: evidence for sympathomedullary involvement. Holaday JW, et al. **Circ Shock** 1983; 11(3):201–10

Adrenalectomy abolishes and cortisol restores naloxone's beneficial effects on cardiovascular function and survival in canine hemorrhagic shock. Patton ML, et al. **Circ Shock** 1983;10(4):317–27

Suppression of residual oestrogen production with aminoglutethimide in women following surgical hypophysectomy or adrenalectomy. Samojlik E, et al. **Clin Endocrinol (Oxf)** 1984 Jan;20(1):43–51

Effects of adrenalectomy and adrenal steroids on the uptake of serotonin in rat platelets. Lee PH, et al. **Clin Exp Pharmacol Physiol** 1984 Jan–Feb;11(1):53–9

Effects of adrenalectomy on energy balance, diet–induced thermogenesis and brown adipose tissue in adult cafeteria–fed rats. Rothwell NJ, et al. **Comp Biochem Physiol [A]** 1984;78(3):565–9

Urinary excretion of catecholamines in patients with primary aldosteronism before and after unilateral adrenalectomy. Horký K, et al. **Cas Lek Cesk** 1983;25(6):401–12

Effect of gonadectomy and adrenalectomy on steroid hormone content in rat submaxillary gland. Paulo E. **Endocrinol Exp (Bratisl)** 1984 Jun;18(2):125–30

Effects of adrenalectomy with hormone replacement therapy on the presence of a sexual maturation–delaying chemosignal in the urine of grouped female mice. Drickamer LC, et al. **Endocrinology** 1984 Jul;115(1):255–60

The effect of adrenocorticotropin or hydrocortisone on serum luteinizing hormone concentrations after adrenalectomy and/or ovariectomy in the prepuberal gilt. Fonda ES, et al. **Endocrinology** 1984 Jan;114(1):268–73

Estrogen action in the mouse uterus: the influence of the neuroendocrine–adrenal axis. Quarmby VE, et al. **Endocrinology** 1984 Jan;114(1):108–15

Examination of prolactin and pituitary-adrenal axis components as intervening variables in the adrenalectomy-induced inhibition of gonadotropin response to castration. Ringstrom SJ, et al. **Endocrinology** 1984 Mar;114(3):880–7

Effect of adrenalectomy on renin release in the rat. Welch WJ, et al. **Endocrinology** 1983 Dec;113(6):2086–91

Hormonal effects on liver glutamate dehydrogenase in adrenalectomized and thyroidectomized rats. Yaroni S, et al. **Endocrinology** 1984 Jun;114(6):2337–43

Behavioural effect of adrenalectomy: reversal by glucocorticoids or [D-Ala2,Met5]enkephalinamide. Jefferys D, et al. **Eur J Pharmacol** 1983 Aug 19; 92(1–2):99–103

Effect of adrenalectomy and demedullation of the adrenals on vasopressor responses to stimulation of postjunctional alpha 2-adrenoceptors. Van Meel JC, et al. **Eur J Pharmacol** 1983 Jul 22;91(2–3):171–9

Early adrenalectomy stimulates subsequent growth and development of the rat brain. Meyer JS. **Exp Neurol** 1983 Nov;82(2):432–46

Decidual cell reaction in ovariectomized-adrenalectomized rats. Ohta Y. **Experientia** 1984 May 15;40(5):505–6

Acute changes in dopamine metabolism in the medio-basal hypothalamus following adrenalectomy. Versteeg DH, et al. **Experientia** 1984 Jan 15;40(1):112–4

Adrenergic regulation of ureogenesis in hepatocytes from adrenalectomized rats. Possible involvement of two pathways of signal transduction in alpha 1-adrenergic action. Hernández-Sotomayor SM, et al. **FEBS Lett** 1984 Jan 30;166(2):385–8

Effect of adrenalectomy on chlordecone potentiation of carbontetrachloride hepatotoxicity. Agarwal AK, et al. **Fundam Appl Toxicol** 1983 Nov–Dec;3(6):507–11

Gastric protection and adrenalectomy [letter] Guslandi M. **Gastroenterology** 1984 Jul;87(1):254–5

Maintenance of arterial pressure by vasopressin and angiotensin II after adrenalectomy. Elijovich F, et al. **Hypertension** 1983 Nov–Dec;5(6 Pt 3):V53–6

Adrenalectomy and surfactant in adult rats. Liebowitz D, et al. **J Appl Physiol** 1984 Mar;56(3):564–7

Effects of handling, anaesthesia, ovariectomy and adrenalectomy on serial measurements of plasma progesterone in 16-day pregnant rats. Bruce NW, et al. **J Endocrinol** 1984 Feb;100(2):189–93

Effect of adrenalectomy and steroid treatment on rat skin cytosol glucocorticoid receptor. Smith K, et al. **J Endocrinol** 1984 Aug;102(2):161–5

Adrenalectomy of rats results in hypomyelination of the central nervous system. Preston SL, et al. **J Neurochem** 1984 Jan;42(1):262–7

Interaction of glucocorticoid and thyroxine in the responses of rats to starvation-refeeding. Nessmith S, et al. **J Nutr** 1983 Nov;113(11):2260–5

Neuroendocrine responses to stimulation of the splanchnic nerves in bursts in the conscious adrenalectomized calf. Bloom SR, et al. **J Physiol (Lond)** 1984 Jan;346:519–31

Effect of bilateral adrenalectomy on blood sugar level and plasma refill in a rat hemorrhagic shock model. Cloutier CT, et al. **J Trauma** 1984 Jul;24(7):586–9

Characteristics of glucocorticoid-binding sites of rat liver: different effects of adrenalectomy on the binding. Muramatsu M, et al. **Jpn J Pharmacol** 1983 Oct; 33(5):955–63

Corticosterone decreases the efficacy of adrenaline to affect passive avoidance retention of adrenalectomized rats. Borrell J, et al. **Life Sci** 1984 Jan 2;34(1):99–104

Effect of adrenalectomy and 5-hydroxytryptophan on phasic release of luteinizing hormone. Chen HT, et al. **Life Sci** 1984 Feb 20;34(8):743–9

Adrenalectomy abolishes the stress-induced increase in pituitary cyclic AMP. Meyerhoff JL, et al. **Life Sci** 1984 May 14;34(20):1959–65

Adrenalectomy increases norepinephrine turnover in brown adipose tissue of obese (ob/ob) mice. Vander Tuig JG, et al. **Life Sci** 1984 Apr 9;34(15):1423–32

Effects of changes in serum insulin in response to dexamethasone and adrenalectomy on insulin-sensitive phosphodiesterase in rat fat cells. Osegawa M, et al. **Metabolism** 1984 Aug;33(8):754–9

Pro-gamma-melanocyte-stimulating hormone cleavage in adrenal gland undergoing compensatory growth. Lowry PJ, et al. **Nature** 1983 Nov 3–9;306(5938):70–3

Effects of centrally-administered bombesin and adrenalectomy on behavioral thermoregulation and locomotor activity. Hawkins MF, et al. **Neuropharmacology** 1983 Nov;22(11):1249–55

Gravimetric and histologic changes in fetal adrenals following maternal adrenalectomy and metopirone injection in the rat. Yamamoto M, et al. **Nippon Juigaku Zasshi** 1983 Oct;45(5):659–65

Kallikrein along the rabbit microdissected nephron: a micromethod for its measurement. Effect of adrenalectomy and DOCA treatment. Marchetti J, et al. **Pflugers Arch** 1984 May;401(1):27–33

Adrenalectomy potentiates drinking induced by renal artery constriction. Atkinson J. **Pharmacol Biochem Behav** 1983 Aug;19(2):373–8

Debilitating interaction of adrenalectomy and intrahypothalamic implants of prostaglandin E2 upon open-field activity levels and sexual receptivity in estrogen-primed ovariectomized rats. Hall NR, et al. **Pharmacol Biochem Behav** 1977 Jun;6(6):677–81

Adrenalectomy reduces alcohol-stimulated activity: blood and brain alcohol content. Wallis CJ, et al. **Pharmacol Biochem Behav** 1984 Jun;20(6):883–6

Glucocorticoids regulate proopiomelanocortin gene expression in vivo at the levels of transcription and secretion. Birnberg NC, et al. **Proc Natl Acad Sci USA** 1983 Nov;80(22):6982–6

Corticotropin-releasing factor-immunoreactive neurons of the paraventricular nucleus become vasopressin positive after adrenalectomy. Kiss JZ, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(6):1854–8

Co-expression of corticotropin-releasing factor and vasopressin immunoreactivity in parvocellular neurosecretory neurons of the adrenalectomized rat. Sawchenko PE, et al. **Proc Natl Acad Sci USA** 1984 Mar; 81(6):1883–7

Endocrine surgery in breast cancer. Badellino F, et al. **Recent Results Cancer Res** 1984;91:221–9

The pituitary before and after adrenalectomy for Cushing's syndrome. Manolas KJ, et al. **World J Surg** 1984 Jun; 8(3):374–87

[Binding of tritiated corticosterone by brain sections of adrenalectomized rats] Sarrieau A, et al. **C R Seances Acad Sci [III]** 1983;297(2):67–70 (Eng. Abstr.) **(Fre)**

[The influence of bilateral adrenalectomy on the immunological resistance of tumor-bearing mice] Hiramoto Y. **Fukuoka Igaku Zasshi** 1983 Jun;74(6):303–12 (Eng. Abstr.) **(Jpn)**

[Pituitary-thyroid function in patients with Cushing's syndrome—comparative study before and after extirpation of adrenal cortex tumor] Kitahara H, et al. **Nippon Naibunpi Gakkai Zasshi** 1983 Aug 20;59(8):1086–98 (Eng. Abstr.) **(Jpn)**

[Cysteamine induced ulcer on adrenalectomized rat] Kadota T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Jul; 80(7):1501 **(Jpn)**

[Our experience in surgery of the suprarenal glands] Dolinescu C, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Apr–Jun;87(2):217–23 (Eng. Abstr.) **(Rum)**

[Kinetics of the development of the glucocorticoid effect on the thymus in adrenalectomized rats] Muskhelishvili GD, et al. **Biokhimiia** 1983 Jul;48(7):1221–9 (Eng. Abstr.) **(Rus)**

[Diurnal variation in glucose tolerance in rats after experimental changes in glucocorticoid rhythm] Mel'nikov VN, et al. **Biull Eksp Biol Med** 1983 Nov;96(11):112–5 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of the electrical activity of the brain in hypertensive patients before and after surgery on the sympathetic-adrenal system] Myts BV, et al. **Klin Med (Mosk)** 1983 Sep;61(9):58–60 (8 ref.) (Eng. Abstr.) **(Rus)**

[Uptake of gamma-aminobutyric acid and glutamate decarboxylase activity in synaptosomes of various regions of the brain of rats in adrenalectomy and in subsequent hydrocortisone administration] Mishunina TM, et al. **Ukr Biokhim Zh** 1983 Nov–Dec;55(6):647–51 (Eng. Abstr.) **(Rus)**

[Results of the surgical treatment of hypertension] Myts BV, et al. **Vestn Khir** 1984 May;132(5):52–5 (Eng. Abstr.) **(Rus)**

[Report of a full-term pregnancy in a woman after bilateral adrenalectomy for Cushing's syndrome] Radisavljević Z, et al. **Med Pregl** 1983 Jan;36(1–2):29–31 (Eng. Abstr.) **(Scr)**

[The effect of tourniquet injuries on the histologic structure of the spleen in intact and adrenalectomized mice] Colić M. **Vojnosanit Pregl** 1984 Mar–Apr;41(2):79–88 (Eng. Abstr.) **(Scr)**

[Stress caused by posterior hypothalamus stimulation in adrenalectomized dogs: the role of the sympathetic nervous system] Cicardo VH, et al. **Medicina (B Aires)** 1983; 43(2):163–7 (Eng. Abstr.) **(Spa)**

[Effects of bilateral nephroadrenectomy on the composition of perilymphatic fluid in the rat] Urquiza R, et al. **Rev Esp Fisiol** 1983 Sep;39(3):317–20 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

[The compensative effect of Chinese drugs invigorating kidney or spleen on disturbed ovarian function of adrenalectomized or thyroidectomized rats] Li BR, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Apr;4(4):227–9 (Eng. Abstr.) **(Chi)**

METHODS

Indications for adrenal surgery in Cushing's syndrome. Hasner E. **Ann Chir Gynaecol** 1983;72(3):160–1

Results of adrenalectomy with various surgical approaches in the treatment of different diseases of the adrenal glands. Bruining HA, et al. **Surg Gynecol Obstet** 1984 Apr; 158(4):367–9

[Thromboangiitis obliterans treated by lumbar sympathectomy and subtotal adrenalectomy] Yu YX. **Chung Hua Wai Ko Tsa Chih** 1983 Apr;21(4):246–8 **(Chi)**

ADRENALINE see **EPINEPHRINE**

ADRENERGIC AGENTS see **SYMPATHOMIMETICS**

ADRENERGIC ALPHA RECEPTOR AGONISTS

The mechanism of action of dobutamine [letter] Ruffolo RR Jr. **Ann Intern Med** 1984 Feb;100(2):313–4

Phentolamine—an unexpected agonist in the rabbit. Angus JA, et al. **Br J Pharmacol** 1984 Mar;81(3):423–5

Sgd 101/75: cardiovascular effects in various animal preparations; interactions with vascular postjunctional alpha 1- and alpha 2-adrenoceptors. Mathy MJ, et al. **Br J Pharmacol** 1984 Feb;81(2):255–62

Electrophysiological demonstration of both alpha 2-agonist and antagonist properties of RX 781094. Goldstein JM, et al. **Eur J Pharmacol** 1983 Jul 15;91(1):101–5

(-)-Amidephrine, a selective agonist for alpha 1-adrenoceptors. Vizi ES, et al. **Eur J Pharmacol** 1983 Aug 5;91(4):377–81

N-ethylmaleimide, elevated temperature, and digitonin solubilization eliminate guanine nucleotide but not sodium effects on human platelet alpha 2-adrenergic receptor-agonist interactions. Limbird LE, et al. **J Cyclic Nucleotide Protein Phosphor Res** 1983; 9(3):191–201

Pre-junctional alpha 2-adrenoceptor activity of B-HT920. Mottram DR. **J Pharm Pharmacol** 1983 Oct;35(10):652–5

B-HT 920 acts as an alpha 1-adrenoceptor agonist in the rabbit aorta under certain in vitro conditions. Lues I, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Jan; 325(1):42–6

CHEMICAL SYNTHESIS

alpha-Adrenergic activities of some substituted 2-(aminomethyl)imidazolines. Saari WS, et al. **J Med Chem** 1983 Dec;26(12):1769–72

METABOLISM

Solubilization of rat liver alpha 1-adrenergic receptors. Agonist specific alteration in receptor binding affinity. Wikberg JE, et al. **Biochem Pharmacol** 1983 Nov 1; 32(21):3171–8

[3H]-guanfacine: a radioligand that selectively labels high affinity alpha2-adrenoceptor sites in homogenates of rat brain. Jarrott B, et al. **Br J Pharmacol** 1982 Feb;75(2):401–8

Binding of the imidazoline UK-14, 304, a putative full alpha 2-adrenoceptor agonist, to rat cerebral cortex membranes. Loftus DJ, et al. **Life Sci** 1984 Jul 2;35(1):61–9

Differences between agonist and antagonist binding to alpha 1-adrenergic receptors of intact and broken-cell preparations. Sladeczek F, et al. **Mol Pharmacol** 1983 Nov; 24(3):392–7

PHARMACODYNAMICS

Evidence for alpha-adrenergic receptors acting through the guanylate cyclase system in human cultured thyroid cells. Brandi ML, et al. **Acta Endocrinol (Copenh)** 1983 Sep; 104(1):64–8

Functional alpha 1-adrenoceptors in the rat heart during beta-receptor blockade. Ask JA, et al. **Acta Physiol Scand** 1984 Jan;120(1):7–13

Effects of methoxamine, and alpha-1 adrenoceptor agonist, and prazosin, an alpha-1 antagonist, on the stages of the sleep-waking cycle in the cat. Hilakivi I, et al. **Acta Physiol Scand** 1984 Mar;120(3):363–72

Effects of alpha-adrenoceptor agonists and antagonists on insulin secretion, calcium uptake, and rubidium efflux in mouse pancreatic islets. Ismail NA, et al. **Acta Physiol Scand** 1983 Jun;118(2):167–74

Pharmacological characterization of postjunctional alpha-adrenoceptors in isolated human omental arteries and veins. Steen S, et al. **Acta Physiol Scand** 1984 Jan; 120(1):109–16

Effects of serotonin and histamine on proximal and distal coronary vasculature in dogs: comparison with alpha-adrenergic stimulation. Bove AA, et al. **Am J Cardiol** 1983 Dec 1;52(10):1333–9

Alpha 2-adrenoreceptor stimulation inhibits thermogenesis and food intake during glucoprivation in humans. Thompson DA, et al. **Am J Physiol** 1984 Sep;247(3 Pt 2):R560–6

Adrenoceptors in the control of human nasal mucosal blood flow. Andersson KE, et al. **Ann Otol Rhinol Laryngol** 1984 Mar–Apr;93(2 Pt 1):179–82

Influences on morphine action in the myenteric plexus from guinea pig of alpha 2 receptor stimulation. Aleixandre MA, et al. **Arch Farmacol Toxicol** 1983 Dec;9(3):217–24

Evidence for neuronal uptake and release of norfenefrine and evaluation of its alpha-agonistic effects in the rabbit pulmonary artery. Reimann W. **Arzneimittelforsch** 1984; 34(5):575–8

Alpha-adrenergic agonists and enterotoxins. Newsome PM, et al. **Biochem Soc Trans** 1984 Apr;12(2):208–11

Effects of alpha 2-adrenoceptor agonists and of related compounds on aggregation of, and on adenylate cyclase activity in, human platelets. Clare KA, et al. **Br J Pharmacol** 1984 Jun;82(2):467–76

Effects of apamin on alpha-adrenoceptor-mediated changes in plasma potassium in guinea-pigs. Coats RA. **Br J Pharmacol** 1983 Nov;80(3):573–80

The actions of cirazoline on the rat vas deferens. Docherty

JR, et al. **Br J Pharmacol** 1984 May;82(1):9–14

Absence of antinociceptive effect of alpha-2 agonists microinjected in the periaqueductal gray of the rat. Ossipov MH, et al. **Brain Res** 1983 Dec 19;289(1-2):349–54

Pharmacological evidence for the existence of presynaptic alpha-like receptors in Mytilus muscle. Matsuura M, et al. **Comp Biochem Physiol [C]** 1983;76(2):305–11

Developmental changes in alpha adrenergic effects on canine Purkinje fiber automaticity. Reder RF, et al. **Dev Pharmacol Ther** 1984;7(2):94–108

Direct adrenergic stimulation of the release of thyrotropin and its subunits from the thyrotrope in vitro. Klibanski A, et al. **Endocrinology** 1983 Oct;113(4):1244–9

Bronchopulmonary effects of phenylephrine and methoxamine in the guinea-pig. Interaction with bronchoconstrictor drugs. Advenier C, et al. **Eur J Pharmacol** 1984 Apr 13;100(1):59–69

In vivo evidence for alpha 2-adrenergic-dependent inhibition of lipid mobilization in the rabbit. Carpene C, et al. **Eur J Pharmacol** 1984 Mar 16;99(1):111–4

Effects of yohimbine stereoisomers on contractions of rat aortic strips produced by agonists with different selectivity for alpha 1- and alpha 2-adrenoceptors. Digges KG, et al. **Eur J Pharmacol** 1983 Dec 9;96(1-2):95–9

alpha 1/alpha 2 Selectivity ratio in a series of agonists and their relation to pre/postsynaptic activity ratios. Kobinger W, et al. **Eur J Pharmacol** 1983 Jul 15;91(1):129–33

Cardiovascular effects of B-HT 958, an alpha-adrenoceptor agonist with a high pre/postsynaptic activity ratio. Kobinger W, et al. **Eur J Pharmacol** 1984 Jan 13; 97(1-2):67–73

Characterisation of the alpha 1-adrenergic control of hepatic cAMP in male rats. Morgan NG, et al. **Eur J Pharmacol** 1983 Dec 9;96(1-2):1–10

Sgd 101/75 is distinguished from other selective alpha 1-adrenoceptor agonists by the inhibition of its pressor responses by calcium entry blockade and vasodilatation in pithed rats and cats. Timmermans PB, et al. **Eur J Pharmacol** 1983 Dec 23;96(3-4):187–92

Alpha 1-adrenoceptor-mediated vasoconstriction in vivo to enantiomers of SK & F 89748-A. Timmermans PB, et al. **Eur J Pharmacol** 1984 May 18;101(1-2):45–55

Desensitization of smooth muscle and mast cell beta-adrenoceptors in the airways of the guinea pig. van der Heijden PJ, et al. **Eur J Respir Dis [Suppl]** 1984; 135:128–34

Blood glycerol levels in type-2 diabetics after beta-1-blockade and alpha-2 adrenergic stimulation. Ferlito S, et al. **Farmaco [Prat]** 1984 Mar;39(3):91–5

The perturbation of hepatic glutathione by alpha 2-adrenergic agonists. James RC, et al. **Fundam Appl Toxicol** 1983 Jul-Aug;3(4):303–8

Induction of taurocholate release from isolated rat hepatocytes in suspension by alpha-adrenergic agents and vasopressin: implications for control of bile salt secretion. Gewirtz DA, et al. **Hepatology** 1984 Mar-Apr;4(2):205–12

Postsynaptic alpha 2-adrenergic receptor-mediated vasoconstriction in SHR tail arteries in vitro. Hicks PE, et al. **Hypertension** 1984 Mar-Apr;6(2 Pt 2):I12–8

Regulation of adipose tissue metabolism via adrenergic mechanisms: actions of alpha-adrenoceptor agonists on lipolysis in hamster fat cells. Curtis-Prior PB, et al. **Int J Obes** 1983;7(4):299–305

Alpha adrenoceptor pharmacology. Tranquilli W, et al. **J Am Vet Med Assoc** 1984 Jun 1;184(11):1400–2

An analysis of the pressor responses to putative alpha 1 and alpha 2-adrenoreceptor agonists given intravenously to conscious rabbits. Hannah JA, et al. **J Auton Pharmacol** 1984 Jun;4(2):73–6

Selective stimulation of vascular postjunctional alpha-adrenoreceptors by (-)-amidephrine in rats and cats. Mathy MJ, et al. **J Auton Pharmacol** 1983 Dec;3(4):249–55

Interaction of clonidine, its methylene-bridged analog, St 1913, and the benzylic hydroxyl-substituted derivative, St 1965, with alpha 1- and alpha 2-adrenoreceptors. Ruffolo RR Jr, et al. **J Auton Pharmacol** 1983 Sep;3(3):185–93

Interaction between the calcium entry blocker nifedipine with the alpha 1-adrenoreceptor-mediated increase in diastolic pressure elicited by catecholamines. Wilffert B, et al. **J Auton Pharmacol** 1984 Jun;4(2):87–92

Are human vascular alpha-adrenoceptors atypical? [letter] Flavahan NA, et al. **J Cardiovasc Pharmacol** 1984 Jan-Feb; 6(1):208–10

Acute effects of phenoxybenzamine on alpha-adrenoceptor responses in vivo and in vitro: relation of in vivo pressor responses to the number of specific adrenoceptor binding sites. Hamilton CA, et al. **J Cardiovasc Pharmacol** 1983 Sep-Oct;5(5):868–73

Effects of chemical sympathectomy by 6-hydroxydopamine on alpha-adrenoceptor-mediated pressor responses in pithed rat. Matthews WD, et al. **J Cardiovasc Pharmacol** 1984 Mar-Apr;6(2):233–7

Interaction between beta 2-adrenoceptor-mediated vasodilation and alpha 2-adrenoceptor-mediated vasoconstriction in the pithed normotensive rat. Wilffert B, et al. **J Cardiovasc Pharmacol** 1983 Sep-Oct;5(5):822–8

Interaction between beta 2-adrenoceptor-mediated vasodilation and alpha 1-adrenoceptor-mediated vasoconstriction in the pithed normotensive rat. Wilffert B, et al. **J Cardiovasc Pharmacol** 1983 Sep-Oct;5(5):829–35

Hemodynamic profiles of methoxamine and B-HT 933 in spinalized ganglion-blocked dogs. Zandberg P, et al. **J Cardiovasc Pharmacol** 1984 Mar-Apr;6(2):256–62

Quantitative relationships between alpha-adrenergic activity and binding affinity of alpha-adrenoceptor agonists and antagonists. Timmermans PB, et al. **J Med Chem** 1984 Apr; 27(4):495–503

Pretreatment with aspirin does not influence the pressor response to alpha 2-adrenoceptor agonists in conscious rabbits. Hannah JA, et al. **J Pharm Pharmacol** 1984 Jun; 36(6):417–8

The influence of alpha 1- and alpha 2-adrenoceptor agonists on cardiac output in rats and cats. Kalkman HO, et al. **J Pharm Pharmacol** 1984 Apr;36(4):265–8

Modulation of rat pineal acetyl-Co A:arylamine N-acetyltransferase induction by alpha adrenergic drugs. Alphs L, et al. **J Pharmacol Exp Ther** 1984 Aug; 230(2):431–7

Differential effects of the calcium entry blocker D 600 on contractions of rat and guinea-pig aortas, elicited by various alpha-1 adrenoceptor agonists. Beckeringh JJ, et al. **J Pharmacol Exp Ther** 1984 May;229(2):515–21

Kinetic characterization of the rabbit aorta contractile response to an alpha adrenergic agonist. Cory RN, et al. **J Pharmacol Exp Ther** 1984 Jul;230(1):162–70

Mechanisms involved in the hyperglycemic response induced by clonidine and other alpha-2 adrenoceptor agonists. DiTullio NW, et al. **J Pharmacol Exp Ther** 1984 Jan; 228(1):168–73

Sleeping times evoked by alpha adrenoceptor agonists in two-day-old chicks: an experimental model to evaluate full and partial agonists at central alpha-2 adrenoceptors. Roach AG, et al. **J Pharmacol Exp Ther** 1983 Nov; 227(2):421–8

Sources of calcium used during alpha 1- and alpha 2-adrenergic contractions in canine saphenous veins. Janssens W, et al. **J Physiol (Lond)** 1984 Feb;347:525–32

The effect of chloride removal on the responses of the isolated rat anococcygeus muscle to alpha 1-adrenoceptor stimulation. Large WA. **J Physiol (Lond)** 1984 Jul; 352:17–29

Effects of cholinergic and adrenergic drugs on intraluminal pressures and contractility of the rat testis and epididymis in vivo. Pholpramool C, et al. **J Reprod Fertil** 1984 May; 71(1):181–8

Alpha adrenergic receptor activity of epicardial coronary artery in the anesthetized dog. Ootsubo H, et al. **Jpn Circ J** 1984 Jun;48(6):596–601

Presynaptic alpha 2 -adrenergic stimulation leads to growth hormone release in the dog. Cella SG, et al. **Life Sci** 1984 Jan 30;34(5):447–54

Sgd 101/75: a sympathomimetic that can be used to identify a new subtype of alpha-adrenoceptor, the alpha 1s-adrenoceptor. Weetman DF, et al. **Methods Find Exp Clin Pharmacol** 1983 Sep;5(7):425–34 (28 ref.)

Autoinhibition of noradrenaline release from the rat heart as a function of the biophase concentration. Effects of exogenous alpha-adrenoceptor agonists, cocaine, and perfusion rate. Fuder H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Jan; 325(1):25–33

Facilitation of the Bezold-Jarisch reflex by central stimulation of alpha 2 adrenoceptors in dogs. Harron DW, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Mar; 325(3):193–7

Assessment of alpha-adrenergic receptor subtypes in isolated rat aortic segments. Macia RA, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Apr; 325(4):306–9

Evidence for a physiological role of presynaptic alpha-adrenoceptors: modulation of noradrenaline release in the pithed rabbit. Majewski H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1983 Dec; 324(4):256–63

Multiple effects of alpha-adrenoceptor stimulation on the action potential of the rabbit atrium. Miura Y, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Jan; 325(1):47–53

Inhibition by alpha 2-adrenoceptor agonists of the secretion of catecholamines from isolated adrenal medullary cells. Sakurai S, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1983 Sep;324(1):15–9

A regional difference in the distribution of postsynaptic alpha-adrenoceptor subtypes in canine veins. Shoji T, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1983 Dec; 324(4):246–55

Differential effect of calcium entry blockers on alpha 1-adrenoceptor-mediated vasoconstriction in vivo. Timmermans PB, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1983 Dec; 324(4):239–45

Prostaglandins of the E series inhibit release of noradrenaline in rat hypothalamus by a mechanism unrelated to classical alpha 2 adrenergic presynaptic inhibition. Dray F, et al. **Neuropharmacology** 1984 Apr;23(4):457–62

Duration of tonic immobility in chickens as a function of alpha-adrenergic receptor stimulation and blockade. Hennig CW, et al. **Pharmacol Biochem Behav** 1984 May; 20(5):731–8

Modification of alpha-adrenoceptor agonist antinociceptive activity by nisoxetine: a selective inhibitor of noradrenergic uptake. Hynes MD, et al. **Pharmacol Biochem Behav** 1984 Mar;20(3):463–6

On the role of calcium in the mechanism of action of alpha-adrenergic agonists in rat liver. Taylor WM, et al. **Pharmacol Ther** 1983;21(1):125–41 (115 ref.)

Release of a common source of intracellular Ca2+ by alpha-adrenergic agonists and dinitrophenol in rat liver slices. Lynch CJ, et al. **Pharmacology** 1984;28(2):74–85

Effects of the application of alpha 1- and alpha 2-adrenoceptor agonists and antagonists into the ventromedial hypothalamus on the sodium and potassium renal excretion. Saad WA, et al. **Pharmacology** 1984; 28(4):228–34

Dipropylacetate-induced quasi-morphine abstinence behaviour in the rat: suppression by alpha 2-adrenoceptor stimulation. van der Laan JW, et al. **Psychopharmacology (Berlin)** 1983;81(3):267–71

The effect of alpha- and beta-adrenergic agonists and blockers on postprandial pancreatic polypeptide release in dogs. Linnestad P, et al. **Scand J Gastroenterol** 1983 Jan; 18(1):87–90

[Enhancement of the contraction of the isolated duodenum and Oddi's sphincter of rabbits by alpha adrenergic agents] Yamada K, et al. **Nippon Heikatsukin Gakkai Zasshi** 1983 Apr;19(2):115–22 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Interference of calcium entry blockade in vivo with pressor responses to alpha-adrenergic stimulation: effects of two unrelated blockers on responses to both exogenous and endogenously released norepinephrine. Pedrinelli R, et al. **Circulation** 1984 Jun;69(6):1171–6

THERAPEUTIC USE

Alpha agonist drug usage during CPR. Ralston SH. **Ann Emerg Med** 1984 Sep;13(9 Pt 2):786–9

A comparative study of a new alpha-adrenoceptor agonist, guanfacine and alpha-methyldopa in the treatment of hypertension. Joshi RC, et al. **Br J Clin Pract** 1984 Feb; 38(2):66–7, 71

Alpha-2 agonists as analgesics [letter] Goldstein JA. **J Clin Psychistry** 1984 Jan;45(1):46

[Guanfacine in the treatment of arterial hypertension. Apropos of 471 cases in a hospital milieu] Carette B. **Ann Cardiol Angeiol (Paris)** 1984 Feb-Mar;33(2):123–6 **(Fre)**

ADRENERGIC ALPHA RECEPTOR BLOCKADERS

Trimethaphan is a direct arterial vasodilator and an alpha-adrenoceptor antagonist. Harioka T, et al. **Anesth Analg** 1984 Mar;63(3):290–6

Labetalol: an alpha- and beta-adrenoceptor blocking drug. Michelson EL, et al. **Ann Intern Med** 1983 Oct;99(4):553–5

Pre- and postsynaptic alpha-adrenoceptor blocking properties of a new dihydrobenzofurane derivative (imidazolinyl-2)-2-dihydro 2,3 benzofurane (S 9871) and its stereoisomers in rats. Joly G, et al. **Arch Int Pharmacodyn Ther** 1984 Jun;269(2):277–86

Antihypertensive activity and interaction with alpha-adrenoceptors of tibalosine ([1-(2, 3-dihydro-5-benzo-(b)-thienyl)-2-(4-phenyl-butylamino) CP 804 S) in rat and cat preparations. Qian JQ, et al. **Arch Int Pharmacodyn Ther** 1983 Dec;266(2):264–81

Pharmacology of 4-(2-hydroxy-3-[(1-methyl-3-phenylpropyl)-amino]prop (KF-4317). Kubo K, et al. **Arzneimittelforsch** 1983; 33(7):926–31

Differential blockade of alpha-adrenoceptors by indoramin. Nicholls DP, et al. **Br J Clin Pharmacol** 1984 Jun; 17(6):719–28

Vascular alpha-adrenergic blocking properties of quinidine. Caldwell RW, et al. **Eur J Pharmacol** 1983 Oct 28; 94(3-4):185–92

Electrophysiological demonstration of both alpha 2-agonist and antagonist properties of RX 781094. Goldstein JM, et al. **Eur J Pharmacol** 1983 Jul 15;91(1):101–5

Differential inhibition of alpha 2-adrenoceptor-mediated pressor responses by (+)- and (-)-verapamil in pithed rats. Van Meel JC, et al. **J Pharm Pharmacol** 1983 Aug; 35(8):500–4

Alpha-adrenolytic and anti-serotonin activities of apogalanthamine analogs on the rat aortic strips. Ishida Y, et al. **J Pharmacobiodyn** 1983 Jun;6(6):391–6

Selective alpha-2 blocking action of DG-5128 in the dog mesenteric artery and rat vas deferens. Muramatsu I, et al. **J Pharmacol Exp Ther** 1983 Oct;227(1):194–8

Comparison of the alpha-adrenoceptor antagonist profiles of idazoxan (RX 781094), yohimbine, rauwolscine and corynanthine. Doxey JC, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Feb; 325(2):136–44

1-Benzylimidazole, a thromboxane synthetase inhibitor acutely lowers blood pressure mainly by alpha-adrenoceptor blockade in spontaneously hypertensive rats (SHR). Lucas J, et al. **Prostaglandins Leukotrienes Med** 1983 Dec;12(4):409–21

[Alpha-blocking activity of raubasine-dihydroergocristine combination in the demedullated rat] Roquebert J, et al. **Ann Pharm Fr** 1983;41(1):69–75 (Eng. Abstr.) **(Fre)**

[Effect of pretreatment with the alpha-adrenoblocker phentolamine and the beta-adrenoblocker inderal on the

stress-induced decrease in adrenoreactivity of the portal vein] Manukhina EB. **Biull Eksp Biol Med** 1983 Oct; 96(10):62-3 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

The combined alpha- and beta-adrenergic blocker labetalol and propranolol in the treatment of high blood pressure: similarities and differences. Weber MA, et al. **J Clin Pharmacol** 1984 Feb-Mar;24(2-3):103-12

[Effect of the blockaders of alpha-adrenergic and muscarinic receptors and euphylline in chronic obstructive bronchitis] Krasnowska M, et al. **Pneumonol Pol** 1983 Apr; 51(4):209-15 (Eng. Abstr.) **(Pol)**

ADVERSE EFFECTS

Alpha blockade and priapism [letter] Lawrence JM, et al. **Am J Psychiatry** 1984 Jun;141(6):825

CHEMICAL SYNTHESIS

Synthesis and pharmacological study of the thiophene analogue of taclamine, QM-7184, a new neuroleptic drug with potent alpha-adrenoceptor blocking activity. Arribas E, et al. **Arzneimittelforsch** 1983;33(10):1417-21

Alpha-adrenoreceptor reagents. 2. Effects of modification of the 1,4-benzodioxan ring system on alpha-adrenoreceptor activity. Chapleo CB, et al. **J Med Chem** 1984 May;27(5):570-6

alpha-Adrenergic activities of some substituted 2-(aminomethyl)imidazolines. Saari WS, et al. **J Med Chem** 1983 Dec;26(12):1769-72

Pyridinylpiperazines, a new class of selective alpha 2-adrenoceptor antagonists. Saari WS, et al. **J Med Chem** 1983 Dec;26(12):1696-701

DIAGNOSTIC USE

[3H]RX 781094: a new antagonist ligand labels alpha 2-adrenoceptors in the rat brain cortex. Pimoule C, et al. **Eur J Pharmacol** 1983 Nov 11;95(1-2):79-85

IMMUNOLOGY

[Effect of ethanol and the alpha-adrenoblockader IEM-611 on the antigenic spectrum of water-soluble brain proteins of rats] Burmistrov So, et al. **Farmakol Toksikol** 1983 Jul-Aug;46(4):76-9 (Eng. Abstr.) **(Rus)**

METABOLISM

A non-alpha-adrenoceptor binding site for [125I]-BE 2254 in guinea pig brain membranes. Adams A, et al. **Biochem Pharmacol** 1984 Jul 1;33(13):2154-8

Studies of the alpha 2-adrenoceptor affinity and the alpha 2- to alpha 1-adrenoceptor selectivity of some substituted benzoquinolizines using receptor-binding techniques. Cheung YD, et al. **Biochem Pharmacol** 1984 May 1; 33(9):1566-8

Comparison of the clinical pharmacokinetics and concentration-effect relationships for medroxalol and labetalol. Elliott HL, et al. **Br J Clin Pharmacol** 1984 May; 17(5):573-8

Differences between agonist and antagonist binding to alpha 1-adrenergic receptors of intact and broken-cell preparations. Sladeczek F, et al. **Mol Pharmacol** 1983 Nov; 24(3):392-7

PHARMACODYNAMICS

Effects of alpha 1-, alpha 2- and beta-adrenoceptor blockers on insulin secretion in the rat. Ahrén B, et al. **Acta Endocrinol (Copenh)** 1984 Jan;105(1):78-82

Evidence for alpha-adrenergic receptors acting through the guanylate cyclase system in human cultured thyroid cells. Brandi ML, et al. **Acta Endocrinol (Copenh)** 1983 Sep; 104(1):64-8

Effect of sympathetic nerve stimulation and adrenoceptor blockade on pial arterial and venous calibre and on intracranial pressure in the cat. Auer LM, et al. **Acta Physiol Scand** 1983 Nov;119(3):213-7

Effect of clonidine at steady state on blood pressure in spontaneously hypertensive rats. Interaction of various alpha-adrenoceptor antagonists. Frisk-Holmberg M. **Acta Physiol Scand** 1984 Jan;120(1):37-42

Effects of methoxamine, and alpha-1 adrenoceptor agonist, and prazosin, an alpha-1 antagonist, on the stages of the sleep-waking cycle in the cat. Hilakivi I, et al. **Acta Physiol Scand** 1984 Mar;120(3):363-72

Adrenergic effects on plasma levels of glucagon, insulin, glucose and free fatty acids in rabbits--influences of selective blocking drugs. Knudtzon J. **Acta Physiol Scand** 1984 Mar;120(3):353-61

Pharmacological characterization of postjunctional alpha-adrenoceptors in isolated human omental arteries and veins. Steen S, et al. **Acta Physiol Scand** 1984 Jan; 120(1):109-16

Role of carboxyl group in Na+-entry step at apical membrane of toad urinary bladder. Park CS, et al. **Am J Physiol** 1983 Dec;245(6):F707-15

Effect of alpha-adrenergic blockade on exercise-induced asthma and conditioned cold air. Walden SM, et al. **Am Rev Respir Dis** 1984 Sep;130(3):357-62

Antihypertensive activity of tibalosine (CP 804 S) in the rat. Possible involvement of a central alpha 1-adrenergic receptor blockade. Chatelain P, et al. **Arch Int Pharmacodyn Ther** 1984 Apr;268(2):271-86

Renal haemodynamics and the effect of alpha-adrenergic blockade in running and swimming splenectomized dogs. Joles JA, et al. **Arch Int Physiol Biochim** 1983 Sep; 91(3):223-31

Corynanthine and aqueous humor dynamics in rabbits and monkeys. Serle JB, et al. **Arch Ophthalmol** 1984 Sep; 102(9):1385-8

In vitro comparison of pre- and postsynaptic effects of dihydroergotoxine mesylate and 1-[2-ethoxy-2-(3'-pyridyl)ethyl]-4-(2'-methoxy-phenyl) piperazine (IP-66). Castellucci A, et al. **Arzneimittelforsch** 1984;34(2):150-3

Effects of idazoxan on catecholamine systems in rat brain. Walter DS, et al. **Biochem Pharmacol** 1984 Aug 15; 33(16):2553-7

Alpha- and beta-adrenoceptor antagonists. Foëx P. **Br J Anaesth** 1984 Jul;56(7):751-65 (158 ref.)

Comparison of medroxalol and labetalol, drugs with combined alpha- and beta-adrenoceptor antagonist properties. Elliott HL, et al. **Br J Clin Pharmacol** 1984 May;17(5):565-72

Neuronal responses to noradrenaline in the cerebral cortex: evidence against the involvement of alpha 2-adrenoceptors. Bradshaw CM, et al. **Br J Pharmacol** 1984 Jun;82(2):453-8

Demonstration of alpha 1s-adrenoceptors after exposure of the rat anococcygeus to benextramine. Coates J, et al. **Br J Pharmacol** 1983 Oct;80(2):343-6

Non-competitive antagonism of the alpha-adrenoceptor-mediated fast component of contraction of rat aorta, by doxazosin and prazosin. Downing OA, et al. **Br J Pharmacol** 1983 Oct;80(2):315-22

Evidence for pharmacological similarity between alpha 2-adrenoceptors in the vas deferens and central nervous system of the rat. Doxey JC, et al. **Br J Pharmacol** 1983 Sep;80(1):155-61

Effects of a new alpha-adrenoceptor blocking agent, ethyl-7-[4-(2-methoxyphenyl)-1-piperazinyl] heptanoate dihydrochloride (SGB-483), on smooth muscle and neuromuscular transmission in guinea-pig mesenteric artery. Fujisawa K. **Br J Pharmacol** 1983 Sep;80(1):55-64

Effect of 781094, a new selective alpha-adrenoceptor antagonist, on the aggregatory responses of human blood platelets and on binding of [3H]-dihydroergocryptine to these cells. Kerry R, et al. **Br J Pharmacol** 1983 Jun; 79(2):401-7

Effects of alpha-adrenoceptor antagonists on clonidine-induced inhibition of insulin secretion by isolated pancreatic islets. Langer J, et al. **Br J Pharmacol** 1983 Jun; 79(2):415-20

Microelectrode recording of the effects of agonists and antagonists on alpha-adrenoceptors on rat somatic nerve terminals. Lim SP, et al. **Br J Pharmacol** 1983 Sep; 80(1):41-6

A comparison of the electrophysiological actions of phentolamine with those of some other antiarrhythmic drugs on tissues isolated from the rat heart. Northover BJ. **Br J Pharmacol** 1983 Sep;80(1):85-93

Adrenergic transmission in the dog mesenteric vein and its modulation by alpha-adrenoceptor antagonists. Suzuki H. **Br J Pharmacol** 1984 Mar;81(3):479-89

Impairment of physical performance after treatment with beta blockers and alpha blockers. Bengtsson C. **Br Med J [Clin Res]** 1984 Mar 3;288(6418):671-2

Myocardial micronecrosis produced by microsphere embolization. Role of an alpha-adrenergic tonic influence on the coronary microcirculation. Eng C, et al. **Circ Res** 1984 Jan;54(1):74-82

Role of prejunctional alpha 2-adrenergic receptors in the regulation of myocardial performance during exercise in conscious dogs. Heyndrickx GR, et al. **Circ Res** 1984 Jun; 54(6):683-93

The alpha adrenoceptor antagonist properties of idazoxan in normal subjects. Elliott HL, et al. **Clin Pharmacol Ther** 1984 Aug;36(2):190-6

Effects of medroxalol on renal function and the renin-angiotensin-aldosterone axis. Wallin JD, et al. **Clin Pharmacol Ther** 1984 Aug;36(2):169-73

Pharmacological evidence for the existence of presynaptic alpha-like receptors in Mytilus muscle. Matsuura M, et al. **Comp Biochem Physiol [C]** 1983;76(2):305-11

Developmental changes in alpha adrenergic effects on canine Purkinje fiber automaticity. Reder RF, et al. **Dev Pharmacol Ther** 1984;7(2):94-108

Effects of yohimbine stereoisomers on contractions of rat aortic strips produced by agonists with different selectivity for alpha 1- and alpha 2-adrenoceptors. Digges KG, et al. **Eur J Pharmacol** 1983 Dec 9;96(1-2):95-9

Central alpha 1-adrenoceptors and cardiovascular control in normotensive and spontaneously hypertensive rats. Huchet AM, et al. **Eur J Pharmacol** 1983 Nov 25; 95(3-4):207-13

Mechanism(s) of the hypotensive effect of synthetic 1-O-octadecyl-2-O-acetyl-glycero-3-phosphorylcholine. Kamitani T, et al. **Eur J Pharmacol** 1984 Mar 2; 98(3-4):357-66

Reversible inhibition of neuronal uptake by benextramine, an irreversible presynaptic alpha-adrenoceptor antagonist. Lew MJ, et al. **Eur J Pharmacol** 1984 Feb 10;98(1):27-34

Characterisation of the alpha 1-adrenergic control of hepatic cAMP in male rats. Morgan NG, et al. **Eur J Pharmacol** 1983 Dec 9;96(1-2):1-10

RX781094 a potent and selective alpha 2-adrenergic antagonist. Effects in adipocytes and hepatocytes. Pushpendran CK, et al. **Eur J Pharmacol** 1984 Apr 6; 99(4):337-9

Xylazine-induced sedation in chicks is inhibited by opiate receptor antagonists. Ruskoaho H, et al. **Eur J Pharmacol** 1984 Apr 13;100(1):91-6

The irreversible alpha-blocker benextramine interacts with two different thiol groups. Melchiorre C, et al. **Farmaco [Sci]** 1983 Dec;38(12):950-6

Support for a role for feedback regulation of norepinephrine release. Kirpekar SM. **Fed Proc** 1984 Apr;43(5):1375-8 (20 ref.)

Norepinephrine-induced contractions of the rat aorta in the absence of extracellular calcium--I. Effects of alpha-adrenoreceptor blockers. Heaslip RJ, et al. **Gen Pharmacol** 1983;14(5):497-503

Induction of taurocholate release from isolated rat hepatocytes in suspension by alpha-adrenergic agents and vasopressin: implications for control of bile salt secretion. Gewirtz DA, et al. **Hepatology** 1984 Mar-Apr;4(2):205-12

Postsynaptic alpha 2-adrenergic receptor-mediated vasoconstriction in SHR tail arteries in vitro. Hicks PE, et al. **Hypertension** 1984 Mar-Apr;6(2 Pt 2):112-8

Alpha adrenoceptor pharmacology. Tranquilli W, et al. **J Am Vet Med Assoc** 1984 Jun 1;184(11):1400-2

Hemodynamic and metabolic responses to exercise after adrenoceptor blockade in humans. McLeod AA, et al. **J Appl Physiol** 1984 Mar;56(3):716-22

The hypotensive effect of trimazosin is not caused solely by alpha 1-adrenoceptor blockade. Constantine JW, et al. **J Cardiovasc Pharmacol** 1984 Jan-Feb;6(1):142-50

Acute effects of phenoxybenzamine on alpha-adrenoceptor responses in vivo and in vitro: relation of in vivo pressor responses to the number of specific adrenoceptor binding sites. Hamilton CA, et al. **J Cardiovasc Pharmacol** 1983 Sep-Oct;5(5):868-73

Effects of two alpha-adrenoceptor antagonists, nicergoline and phentolamine, on myocardial oxygen consumption in the dog. Lièvre M, et al. **J Cardiovasc Pharmacol** 1983 Sep-Oct;5(5):856-60

Effects of alpha 1- and alpha 2-adrenoceptor blocking drugs on noradrenaline release rate in anesthetized rabbits. Majewski H, et al. **J Cardiovasc Pharmacol** 1983 Sep-Oct; 5(5):703-11

Beta-adrenergic activation of the renin-angiotensin system following alpha 2-, alpha 1-, or nonselective alpha-blockade in conscious dogs: no relation to the changes in blood pressure. Saeed M, et al. **J Cardiovasc Pharmacol** 1984 Jul-Aug;6(4):683-92

Alpha-beta blockade, left ventricular filling pressure and cardiac preload. Silke B. **J Cardiovasc Pharmacol** 1984 Jul-Aug;6(4):732-3

Effect of alpha-1-blockade by prazosin on blood sugar, insulin and glucagon levels in normals and non-insulin dependent diabetics. Ferlito S, et al. **J Endocrinol Invest** 1983 Jun;6(3):199-202

Quantitative relationships between alpha-adrenergic activity and binding affinity of alpha-adrenoceptor agonists and antagonists. Timmermans PB, et al. **J Med Chem** 1984 Apr; 27(4):495-503

The pinna reflex and its inhibition by clonidine: relationship to sedation and quantitation of central alpha 2-antagonist potency. Handley SL. **J Pharm Pharmacol** 1984 Jul; 36(7):478-81

Modulation of rat pineal acetyl-Co A:arylamine N-acetyltransferase induction by alpha adrenergic drugs. Alphs L, et al. **J Pharmacol Exp Ther** 1984 Aug; 230(2):431-7

Assessment of the functional role of brain adrenergic neurons: chronic effects of phenylethanolamine N-methyltransferase inhibitors and alpha adrenergic receptor antagonists on brain norepinephrine metabolism. Stolk JM, et al. **J Pharmacol Exp Ther** 1984 Sep;230(3):577-86

A study of the selectivity and potency of rauwolscine, RX 781094 and RS 21361 as antagonists of alpha-1 and alpha-2 adrenoceptors. Timmermans PB, et al. **J Pharmacol Exp Ther** 1984 Mar;228(3):739-48

Reduction in norepinephrine content of sympathetic neuroeffector organs by alpha adrenergic antagonists and nerve stimulation: evidence for presynaptic control of sympathetic transmitter release in intact animal. Wakade AR, et al. **J Pharmacol Exp Ther** 1984 Feb;228(2):287-92

On the assessment of the potency of antagonists using the rat isolated anococcygeus muscle. Doggrell SA. **J Pharmacol Methods** 1983 Dec;10(4):243-54

Antagonism of xylazine plus chloral hydrate loss of the righting reflex in mice. A simple in vivo procedure for the evaluation of selective alpha 2-adrenoceptor antagonists. Yarbrough GG, et al. **J Pharmacol Methods** 1984 Jun;11(3):187-93

Experimental evidence for a central nervous system site of action in the effect of alpha-adrenergic blockers on the external urinary sphincter. Gajewski J, et al. **J Urol** 1984 Aug;132(2):403-9

Studies on concurrent alpha- and beta-adrenoceptor blocking action of S-596 (arotinolol). Takekoshi N, et al. **Jpn Heart J** 1983 Nov;24(6):925-33

Inhibition of the positive inotropic effect of dopamine by YM-09538 with alpha- and beta-adrenoceptor antagonistic action in the rabbit papillary muscle. Endoh M.

Jpn J Pharmacol 1983 Aug;33(4):897–9
Effects of a new alpha 1–adrenoceptor blocking agent, 3–[2–[4–(2–methoxyphenyl)–1–piperazinyl]ethyl]–(1H,3H) 4–dione monohydrochloride (SGB1534), on electrical and mechanical properties of guinea–pig mesenteric artery. Ishikawa S. **Jpn J Pharmacol** 1984 May;35(1):19–25
Effect of repeated treatment with desipramine in the behavioral 'despair' test in rats: antagonism by 'atypical' but not 'classical' neuroleptics or antiadrenergic drugs. Borsini F, et al. **Life Sci** 1984 Mar 19;34(12):1171–6
Stellate ganglion stimulation with alpha and beta adrenergic blockade: effect on lung lipids and compliance in cats. Crittenden DJ, et al. **Life Sci** 1984 Feb 6;34(6):561–7
Interaction of alpha adrenergic antagonists with calmodulin. Earl CQ, et al. **Life Sci** 1984 Jul 30;35(5):525–34
Analysis of the responses of rainbow lizard (Agama agama Linn.). Isolated portal vein to electrical stimulation and to drugs. Ojewole JA.
Methods Find Exp Clin Pharmacol 1983 Dec;5(10):673–84
Facilitation of the Bezold–Jarisch reflex by central stimulation of alpha 2 adrenoceptors in dogs. Harron DW, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Mar; 325(3):193–7
Effects of alpha–adrenoceptor antagonists on electrical and mechanical responses of the isolated dog mesenteric vein to perivascular nerve stimulation and exogenous noradrenaline. Kou K, et al.
Naunyn Schmiedebergs Arch Pharmacol 1984 May; 326(1):7–13
Inhibitory effect of dopamine on canine gastric fundus. Lefebvre RA, et al.
Naunyn Schmiedebergs Arch Pharmacol 1984 May; 326(1):22–8
Further study of prerequisites for the enhancement by alpha–adrenoceptor antagonists of the release of noradrenaline. Limberger N, et al.
Naunyn Schmiedebergs Arch Pharmacol 1984 Mar; 325(3):240–6
Partial agonist effect of 2–[2–(1,4–benzodioxanyl)]–2–imidazoline (RX 781 094) at presynaptic alpha 2–adrenoceptors in rabbit ear artery. limberger N, et al.
Naunyn Schmiedebergs Arch Pharmacol 1983 Sep; 324(1):75–8
Facilitating interaction between rauwolscine and angiotensin in the mesenteric artery of the rabbit. Lues I, et al.
Naunyn Schmiedebergs Arch Pharmacol 1984 Jun; 326(3):273–7
Assessment of alpha–adrenergic receptor subtypes in isolated rat aortic segments. Macia RA, et al.
Naunyn Schmiedebergs Arch Pharmacol 1984 Apr; 325(4):306–9
Evidence for a physiological role of presynaptic alpha–adrenoceptors: modulation of noradrenaline release in the pithed rabbit. Majewski H, et al.
Naunyn Schmiedebergs Arch Pharmacol 1983 Dec; 324(4):256–63
A regional difference in the distribution of postsynaptic alpha–adrenoceptor subtypes in canine veins. Shoji T, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1983 Dec; 324(4):246–55
Rapid down–regulation of serotonin2 receptor binding during combined administration of tricyclic antidepressant drugs and alpha 2 antagonists. Crews FT, et al.
Neuropharmacology 1983 Oct;22(10):1203–9
Prostaglandins of the E series inhibit release of noradrenaline in rat hypothalamus by a mechanism unrelated to classical alpha 2 adrenergic presynaptic inhibition. Dray F, et al. **Neuropharmacology** 1984 Apr;23(4):457–62
Yohimbine and rauwolscine reduce food intake of genetically obese (obob) and lean mice. Callahan MF, et al.
Pharmacol Biochem Behav 1984 Apr;20(4):591–9
Duration of tonic immobility in chickens as a function of alpha–adrenergic receptor stimulation and blockade. Hennig CW, et al. **Pharmacol Biochem Behav** 1984 May; 20(5):731–8
Blockade of MK–801 induced ipsiversive turning in 6–OHDA lesioned rats by alpha 1–adrenoceptor antagonists. Martin GE, et al.
Pharmacol Biochem Behav 1984 Jun;20(6):893–7
Comparative effects of RX 781094, mianserin, yohimbine, rauwolscine and prazosin in reversing clonidine inhibition of MIX–stimulated lipolysis in hamster isolated white fat cells. Tan S, et al. **Pharmacol Res Commun** 1984 May; 16(5):461–6
Anti–lipolytic action of prazosin in hamster fat cells. Tan S, et al. **Pharmacol Res Commun** 1984 May;16(5):451–9
Effects of the application of alpha 1– and alpha 2–adrenoceptor agonists and antagonists into the ventromedial hypothalamus on the sodium and potassium renal excretion. Saad WA, et al. **Pharmacology** 1984; 28(4):228–34
Prazosin, a specific alpha 1–noradrenergic receptor antagonist, has no effect on symptoms but increases autonomic arousal in schizophrenic patients. Hommer DW, et al. **Psychiatry Res** 1984 Mar;11(3):193–204
Effects of clonidine and some alpha–adrenergic antagonists alone and in combination on schedule–controlled behavior in pigeons and mice. Katz JL.
Psychopharmacology (Berlin) 1984;83(1):38–43
The effect of alpha– and beta–receptor blocking agents on gastric acid secretion in guinea–pigs. Gauperaa T, et al.
Scand J Gastroenterol 1983 Mar;18(2):313–6
The effect of alpha– and beta–adrenergic agonists and blockers on postprandial pancreatic polypeptide release in dogs. Linnestad P, et al. **Scand J Gastroenterol** 1983 Jan; 18(1):87–90
Reaction of blood pressure and mesenteric blood flow to an infusion of biogenic amines in rats: influence of irradiation and alpha blockers. Timmermans R.
Strahlentherapie 1984 Aug;160(8):513–20
[Alpha–adrenoblocking activity of a newly synthesized derivative of 1,4–benzodioxane] Staneva D, et al.
Eksp Med Morfol 1984;23(2):87–91 (Eng. Abstr.) **(Bul)**
[Acute effect of a new alpha 1–receptor blocking drug, E–643, on severe congestive heart failure—pharmacokinetic and hemodynamic studies] Itoh K, et al. **Kokyu To Junkan** 1983 Oct;31(10):1117–21 (Eng. Abstr.) **(Jpn)**
[Effects of E–643 on the regional myocardial function and hemodynamics in experimental acute coronary artery occlusion] Kakutani A, et al. **Kokyu To Junkan** 1983 Sep; 31(9):979–85 (Eng. Abstr.) **(Jpn)**
[Effects and site of action of alpha–receptor blocker in bronchial asthma] Tsuya Y, et al.
Nippon Kyobu Shikkan Gakkai Zasshi 1983 May; 21(5):492–9 (Eng. Abstr.) **(Jpn)**
[Effect of liposome–entrapped phenylephrine on cardio– and hemodynamics during adrenoreceptor blockade] Stefanov AV, et al. **Fiziol Zh** 1984 Mar–Apr;30(2):185–91 (Eng. Abstr.) **(Rus)**
[Action of atropine on smooth muscle contractions after administering alpha–adrenoreceptor blockaders] Itina LV, et al. **Fiziol Zh SSSR** 1984 Feb;70(2):173–9 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Opening remarks: mismatch of essential hypertension's pathophysiology and current antihypertensive drugs: a perspective for alpha–1–adrenergic blockade. Birkenhäger WH, et al. **Am Heart J** 1983 Nov;106(5 Pt 2):1235–6
Selective alpha 1–adrenergic antagonists: therapeutically relevant antihypertensive agents. Graham RM.
Am J Cardiol 1984 Jan 27;53(3):16A–20A (72 ref.)
Effects of alpha– and beta–blocker antihypertensive therapy on blood lipids: a multicenter trial. Goto Y. **Am J Med** 1984 Feb 27;76(2A):72–8
Effect of alpha– and beta–blocker therapy on blood lipids: European experience. Leren P. **Am J Med** 1984 Feb 27; 76(2A):67–71 (8 ref.)
Treatment of Raynaud's syndrome with adrenergic alpha–blockade with or without beta–blockade. Cleophas TJ, et al. **Angiology** 1984 Jan;35(1):29–37
Pheochromocytoma resistant to alpha–adrenergic blockade. Hauptman JB, et al. **Arch Intern Med** 1983 Dec; 143(12):2321–3
Adrenergic blockade in pheochromocytoma. Modlinger RS, et al. **Arch Intern Med** 1983 Dec;143(12):2245–6
Alpha 1 antagonistic and antiserotoninergic action during administration of ketanserin [letter] Vermylen J, et al.
Br Med J [Clin Res] 1983 Nov 19;287(6404):1551–2
Medroxalol combined with hydrochlorothiazide in the treatment of hypertension. Vlachakis ND, et al.
J Clin Pharmacol 1983 Oct;23(10):419–27
Review of the use of alpha–adrenoceptor antagonists in hypertension. Stokes GS, et al.
Methods Find Exp Clin Pharmacol 1984 Apr;6(4):197–204 (48 ref.)
Alpha–adrenergic blockade in the treatment of essential hypertension. De Leeuw PW, et al. **Neth J Med** 1983; 26(9):274–82 (117 ref.)
[Role of apha–blockaders in the treatment of prostatism] Penders L, et al. **Acta Urol Belg** 1983;51(4):518–31 (39 ref.) (Eng. Abstr.) **(Fre)**
[Clinical effect of new alpha–adrenergic blocker on micturition disturbance of neurogenic bladder and lower urinary tract obstruction] Takimoto Y, et al.
Hinyokika Kiyo 1983 Feb;29(2):255–63 (Eng. Abstr.) **(Jpn)**
[alpha and beta Blockaders for the management of hypertension] Tsukiyama H, et al. **Nippon Rinsho** 1984 Feb; 42(2):416–21 **(Jpn)**
[Effect of preliminary blockade of alpha– and beta–adrenoreceptors on stress–induced disorders of myocardial relaxation and contractile functions] Pshennikova MG, et al. **Biull Eksp Biol Med** 1983 Dec; 96(12):55–7 (Eng. Abstr.) **(Rus)**
[Use of redergin in patients with vertebrobasilar syndrome] Pashchuk AIu, et al. **Ortop Travmatol Protez** 1983 Dec; (12):25–8 (Eng. Abstr.) **(Rus)**

ADRENERGIC ALPHA RECEPTORS see **RECEPTORS, ADRENERGIC, ALPHA**

ADRENERGIC BETA RECEPTOR AGONISTS

Selective alpha 2–adrenoceptor agonist activity of the novel inotropic agent, ASL–7022: comparison with dobutamine. Ruffolo RR Jr, et al. **Eur J Pharmacol** 1983 Sep 16; 93(1–2):117–20
The ionization of beta–adrenoceptor agonists: a method for unravelling ionization schemes. Ijzerman AP, et al.
J Pharm Pharmacol 1984 Jan;36(1):11–5

ADMINISTRATION & DOSAGE

Beta–adrenergic stimulation of the failing ventricle: a double–blind, randomized trial of sustained oral therapy with prenalterol. Roubin GS, et al. **Circulation** 1984 May; 69(5):955–62
Nebulisers for lung aerosol therapy [letter] Lewis R.
Lancet 1983 Oct 8;2(8354):849
Dosage and delivery of nebulised beta agonists in hospital. Stainforth JN, et al. **Thorax** 1983 Oct;38(10):751–4

ADVERSE EFFECTS

Pulmonary oedema associated with beta 2–sympathomimetic treatment of premature labour. Hawker F.
Anaesth Intensive Care 1984 May;12(2):143–51
Metabolic responses to beta 2 stimulants. Smith SR, et al.
J R Coll Physicians Lond 1984 Jul;18(3):190–4
More on combined beta–agonists and methylxanthines in asthma [letter] Lehr D, et al. **N Engl J Med** 1983 Dec 22;309(25):1581–2

ANALYSIS

The development of a radioimmunoassay for formoterol. Yokoi K, et al. **Life Sci** 1983 Oct 24;33(17):1665–72

BLOOD

Analysis of beta–sympathicomimetics in man with high performance liquid chromatography using mode sequencing and electrochemical detection. Oosterhuis B, et al. **Eur J Respir Dis [Suppl]** 1984;135:153–6
Determination of prenalterol in plasma and urine by liquid chromatography with electrochemical detection.
Lagerström PO, et al. **J Chromatogr** 1984 Apr 13; 307(1):230–4
Measurement of xamoterol in plasma and urine by high–performance liquid chromatography. Oddie CJ, et al.
J Chromatogr 1984 Jun 8;308:370–5

DIAGNOSTIC USE

Cardioprotection by blockade of beta 2–adrenoceptors. Vincent HH, et al. **Eur Heart J** 1983 Jul;4 Suppl D:109–15
The rat lipolytic beta–adrenoceptor: studies using novel beta–adrenoceptor agonists. Wilson C, et al.
Eur J Pharmacol 1984 May 4;100(3–4):309–19
[Airway hypersensitivity and beta–adrenergic blockade in asthmatic patients, with special reference to insulin response to beta–stimulant] Mita S, et al. **Arerugi** 1983 Dec; 32(12):1144–50 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

Studies on beta 2–sympathicomimetic–induced desensitization at the level of pulmonary adrenoceptors. Terpstra GK, et al. **Eur J Respir Dis [Suppl]** 1984;135:171–3

METABOLISM

Sulphate conjugation of beta 2–adrenoceptor stimulating drugs by platelet and placental phenol sulphotransferase. Sodha RJ, et al. **Br J Clin Pharmacol** 1984 Jan;17(1):106–8
Temperature–induced changes in dissociation constants (KA) of agonists at cardiac beta–adrenoceptors determined by use of the irreversible antagonist Ro 03–7894. Broadley KJ, et al. **Br J Pharmacol** 1983 Jun;79(2):517–24
Cardioselectivity, kinetics, hemodynamics, and metabolic effects of xamoterol. Jennings G, et al.
Clin Pharmacol Ther 1984 May;35(5):594–603
Comparison of the beta 1 selective affinity of prenalterol and corwin demonstrated by radioligand binding. Cook N, et al. **Eur J Pharmacol** 1984 Mar 2;98(3–4):407–12
Characterization of beta–adrenergic receptors in rat ovary. Laszlovszky I, et al. **Eur J Pharmacol** 1983 Dec 9; 96(1–2):101–4
Agonist interactions with beta adrenergic receptors in rat brain. O'Donnell JM, et al. **J Pharmacol Exp Ther** 1984 Mar;228(3):640–7
Agonist–induced changes in the properties of beta–adrenergic receptors on intact S49 lymphoma cells. Time–dependent changes in the affinity of the receptor for agonists. Hoyer D, et al. **Mol Pharmacol** 1984 Mar;25(2):209–18
Interactions of full and partial agonists with beta–adrenergic receptors on intact L6 muscle cells. Pittman RN, et al. **Mol Pharmacol** 1983 Nov;24(3):398–408

PHARMACODYNAMICS

Effects of trifluoperazine on beta–adrenergic responses of rat papillary muscle: related to calmodulin? Aass H, et al.
Acta Pharmacol Toxicol (Copenh) 1983 Oct;53(4):265–74
Beta 1– and beta 2–adrenoceptor–mediated secretion of amylase from incubated rat parotid gland. Carlsöö B, et al. **Acta Physiol Scand** 1984 Mar;120(3):429–35
Effect of beta 2–adrenoceptor agonists on serotonin biochemistry and function. Green AR, et al.
Adv Biochem Psychopharmacol 1984;39:285–8
Reconstitution of partial reactions requiring the beta–adrenergic receptor and the specific response to binding of the agonist. Schramm M, et al.
Adv Cyclic Nucleotide Protein Phosphorylation Res 1984; 17:29–35 (35 ref.)
Autacoid and beta–adrenergic agonist modulation of

N-formylmethionyl-leucyl-phenylalanine evoked lysosomal enzyme release from human neutrophils. Fantozzi R, et al. **Agents Actions** 1984 Apr;14(3–4):441–50

Thermogenic and antiobesity activity of a novel beta-adrenoceptor agonist (BRL 26830A) in mice and rats. Arch JR, et al. **Am J Clin Nutr** 1983 Oct;38(4):549–58

Adrenoceptors in the control of human nasal mucosal blood flow. Andersson KE, et al. **Ann Otol Rhinol Laryngol** 1984 Mar–Apr;93(2 Pt 1):179–82

Effects of formoterol (BD 40A), a beta-adrenoceptor stimulant, on isolated guinea-pig lung parenchymal strips and antigen-induced SRS-A release in rats. Tomioka K, et al. **Arch Int Pharmacodyn Ther** 1984 Jan;267(1):91–102

Measurement of partial agonist activity in man and its therapeutic relevance. Carruthers SG. **Arq Bras Cardiol** 1984 Mar;42(3):223–5

In vitro interactions of agonists and antagonists with beta-adrenergic receptors. Abramson SN, et al. **Biochem Pharmacol** 1984 Mar 15;33(6):869–75

Ontogeny of rodent testicular androgen production in response to isoproterenol and luteinizing hormone in vitro. Anakwe OO, et al. **Biol Reprod** 1984 Jun;30(5):1142–52

Mechanism of action of isoprenaline, isoxuprine, terbutaline and orciprenaline on gravid human isolated myometrium. Influence of the neuronal uptake process. Calixto JB, et al. **Biol Reprod** 1984 Jun;30(5):1117–23

Characterization of putative beta-adrenoceptors in the myometrium of the pregnant ewe: correlation between the binding of [3H] dihydroalprenolol and the inhibition of myometrial contractility in vitro. Crankshaw DJ, et al. **Biol Reprod** 1984 Apr;30(3):609–18

Regulation of progestin biosynthetic enzymes in cultured rat granulosa cells: effects of prolactin, beta 2-adrenergic agonist, human chorionic gonadotropin and gonadotropin releasing hormone. Jones PB, et al. **Biol Reprod** 1983 Oct; 29(3):572–85

Chronic effects of beta 2-adrenergic agonists on body composition and protein synthesis in the rat. Emery PW, et al. **Biosci Rep** 1984 Jan;4(1):83–91

Acute haemodynamic effects of oral prenalterol in severe heart failure. Petch MC, et al. **Br Heart J** 1984 Jul; 52(1):49–52

Can the biochemical responses to a beta 2-adrenoceptor stimulant be used to assess the selectivity of beta-adrenoceptor blockers? Rolf Smith S, et al. **Br J Clin Pharmacol** 1983 Nov;16(5):557–60

Effects of beta 1-adrenoceptor agonism on plasma renin activity in normal men. Staessen J, et al. **Br J Clin Pharmacol** 1983 Nov;16(5):553–6

Classification of beta-adrenoceptors in human isolated bronchus. Goldie RG, et al. **Br J Pharmacol** 1984 Apr; 81(4):611–5

The classification of beta-adrenoceptors in isolated ring preparations of canine coronary arteries. O'Donnell SR, et al. **Br J Pharmacol** 1984 Apr;81(4):637–44

Effects of oral and inhaled salbutamol and oral pirbuterol on right and left ventricular function in chronic bronchitis. Winter RJ, et al. **Br Med J [Clin Res]** 1984 Mar 17; 288(6420):824–5

Facilitation of calcium blocking and membrane effects by intrinsic sympathomimetic activity. Smith HJ, et al. **Cardiovasc Res** 1984 Jan;18(1):30–6

Noninvasive assessment of chronotropic and inotropic response to preferential beta-1 and beta-2 adrenoceptor stimulation. Corea L, et al. **Clin Pharmacol Ther** 1984 Jun; 35(6):776–81

Adrenergic control of lipolysis in swine adipose tissue. Mersmann HJ. **Comp Biochem Physiol [C]** 1984;77(1):43–53

Specificity of beta-adrenergic control of lipolysis in swine adipose tissue. Mersmann HJ. **Comp Biochem Physiol [C]** 1984;77(1):39–42

Ocular hypertensive response to beta-adrenoceptor agonists. Potter DE, et al. **Curr Eye Res** 1982–83;2(10):711–9

Direct beta-adrenergic stimulation of aldosterone secretion in cultured bovine adrenal subcapsular cells. De Léan A, et al. **Endocrinology** 1984 Aug;115(2):485–92

Hemodynamic effects of Corwin (ICI 118,587), a new cardioselective beta-adenoceptor partial agonist. Detry JM, et al. **Eur Heart J** 1983 Aug;4(8):584–91

Haemodynamic and cardiac metabolic effects of the new beta 1 agonist prenalterol in patients with cardiac failure. Kupper W, et al. **Eur Heart J** 1983 Aug;4(8):573–83

Beta 2-adrenoceptor-induced hypotension in the ganglion-blocked angiotensin II-supported rat. Brown NL, et al. **Eur J Pharmacol** 1983 Sep 2;92(3–4):285–9

Attempt at pharmacological differentiation of central beta-adrenergic receptors. Frances H, et al. **Eur J Pharmacol** 1983 Sep 2;92(3–4):223–30

Effects of forskolin in rat vas deferens—evidence for facilitatory beta-adrenoceptors. Hovevei-Sion D, et al. **Eur J Pharmacol** 1983 Nov 25;95(3–4):295–9

Protective effect of beta 2-adrenoceptor agonists against DDVP toxicity in mice. Srivastava RK, et al. **Eur J Pharmacol** 1984 Jan 27;97(3–4):339–40

Interaction of a beta-adrenergic partial agonist with its receptor in guinea-pig taenia caecum. Koike K, et al. **Gen Pharmacol** 1984;15(1):47–50

A cytochemical study of the effect of cholinergic and beta-adrenergic stimulation on calcium fluxes of rat parotid gland. Sampson HW, et al. **Histochemistry** 1983; 79(2):193–205

Facilitation by beta-adrenoreceptors of stimulation-induced vasoconstriction in pithed spontaneously hypertensive rats. Borkowski KR, et al. **J Auton Pharmacol** 1984 Jun; 4(2):127–31

Agonist-induced changes in beta-adrenergic receptors on intact cells. Toews ML, et al. **J Biol Chem** 1984 Feb 25; 259(4):2227–35

The effects of bufuralol, a beta-adrenoceptor antagonist with predominant beta 2-adrenoceptor agonistic activity, in the cat and the dog. Blaber LC, et al. **J Cardiovasc Pharmacol** 1984 Jan–Feb;6(1):165–75

Training response in patients with coronary artery disease receiving beta-adrenergic blocking drugs with or without partial agonist activity. Horgan JH, et al. **J Cardiovasc Pharmacol** 1983 Nov–Dec;5(6):1019–24

Effects of a beta 1-adrenoceptor agonist, prenalterol, on renal function and renin secretion rate in anesthetized dogs. Johnson MD, et al. **J Cardiovasc Pharmacol** 1984 Jul–Aug; 6(4):627–33

Actions of alinidine and AQ-A 39 on rate and contractility of guinea pig atria during beta-adrenoceptor stimulation. Lillie C, et al. **J Cardiovasc Pharmacol** 1983 Nov–Dec; 5(6):1048–51

Comparisons of the inotropic effects of the beta 1-adrenoceptor partial agonists SL 75.177.10 and ICI 118,587 with digoxin on the intact canine heart. Pouleur H, et al. **J Cardiovasc Pharmacol** 1984 Jul–Aug;6(4):720–6

A comparison of the hemodynamic effects of prenalterol and isoprenaline in patients with complete heart block. Svendsen TL, et al. **J Cardiovasc Pharmacol** 1984 Jul–Aug; 6(4):693–6

Effects of selective and nonselective beta-agonists on plasma potassium and norepinephrine. Vincent HH, et al. **J Cardiovasc Pharmacol** 1984 Jan–Feb;6(1):107–14

Interaction between beta 2-adrenoceptor-mediated vasodilation and alpha 2-adrenoceptor-mediated vasoconstriction in the pithed normotensive rat. Wilffert B, et al. **J Cardiovasc Pharmacol** 1983 Sep–Oct;5(5):822–8

Interaction between beta 2-adrenoceptor-mediated vasodilation and alpha 1-adrenoceptor-mediated vasoconstriction in the pithed normotensive rat. Wilffert B, et al. **J Cardiovasc Pharmacol** 1983 Sep–Oct;5(5):829–35

Effects of chronic beta-receptor stimulation on sympathetic nervous system activity, energy expenditure, and thyroid hormones. Scheidegger K, et al. **J Clin Endocrinol Metab** 1984 May;58(5):895–903

beta 1-selective adrenoceptor antagonists. 2. 4-ether-linked phenoxypropanolamines. Machin PJ, et al. **J Med Chem** 1983 Nov;26(11):1570–6

Chronotropic responses of rabbit isolated atria to beta-adrenoceptor agonists are mediated by only beta 1-adrenoceptors. Costin BI, et al. **J Pharm Pharmacol** 1983 Nov;35(11):752–4

Relative efficacy of prenalterol and pirbuterol for beta-1 adrenoceptors: measurement of agonist affinity by alteration of receptor number. Kenakin TP, et al. **J Pharmacol Exp Ther** 1984 May;229(2):340–5

Relationship between intrinsic activities of agonists in normal and desensitized tissue and agonist-induced loss of beta adrenergic receptors. Pittman RN, et al. **J Pharmacol Exp Ther** 1984 Sep;230(3):614–8

Desensitization of beta adrenergic receptors linked to adrenocorticotropin secretion. Reisine T, et al. **J Pharmacol Exp Ther** 1983 Oct;227(1):107–14

Calcitonin secretion during postnatal development in the rat: beta-adrenergic agents and vitamin D3 metabolites. Besnard P, et al. **J Physiol (Paris)** 1982–83;78(9):854–60

Competitive inhibition of sparteine oxidation in human liver by beta-adrenoceptor antagonists and other cardiovascular drugs. Otton SV, et al. **Life Sci** 1984 Jan 2;34(1):73–80

Ultrastructural changes in rat parotid acinar cells after selective beta 1-adrenoceptor agonist treatment. Bloom GD, et al. **Med Biol** 1983;61(6):305–12

Receptor modulation of histamine release in isolated purified rat mast cells. Fantozzi R, et al. **Monogr Allergy** 1983; 18:190–2

Alterations in leukocyte beta-receptor affinity with aging. A potential explanation for altered beta-adrenergic sensitivity in the elderly. Feldman RD, et al. **N Engl J Med** 1984 Mar 29;310(13):815–9

Beta-adrenoceptor agonists increase membrane K+ conductance in cardiac Purkinje fibres. Gadsby DC. **Nature** 1983 Dec 15–21;306(5944):691–3

Effects of in vivo treatment with isoprenaline or prenalterol on beta-adrenoceptor mechanisms in the heart and soleus muscle of the cat. Hedberg A, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Mar; 325(3):251–8

Endothelial cells contain beta adrenoceptors. Steinberg SF, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Apr; 325(4):310–3

Supersensitivity of the noradrenergic system in the spinal cord following intracisternal injection of 6-hydroxydopamine. Jones DJ, et al. **Neuropharmacology** 1984 Apr;23(4):431–8

Agonist-induced desensitization of the beta-adrenergic receptor-linked adenylate cyclase. Harden TK. **Pharmacol Rev** 1983 Mar;35(1):5–32 (279 ref.)

Metabolic responses to a new beta-adrenoceptor agonist, ICI 118,587, in conscious rats. Ichihara K, et al. **Pharmacology** 1983;27(4):202–10

Selective induction of cardiovascular responses to des-Arg9-bradykinin by bacterial endotoxin. Marceau F, et al. **Pharmacology** 1984;29(2):70–4

Effect of beta-adrenergic drugs on LH, FSH, and growth hormone (GH) secretion in conscious, ovariectomized rats. Huang XY, et al. **Proc Soc Exp Biol Med** 1983 Nov; 174(2):244–8

Postvagotomy acid secretion and mucosal blood flow during beta-adrenoceptor stimulation and universal chemical sympathectomy in dogs. Hovendal CP. **Scand J Gastroenterol** 1983 Jan;18(1):97–102

Adrenergic control of rat gastric somatostatin and gastrin release. Koop H, et al. **Scand J Gastroenterol** 1983 Jan; 18(1):65–71

The effect of alpha- and beta-adrenergic agonists and blockers on postprandial pancreatic polypeptide release in dogs. Linnestad P, et al. **Scand J Gastroenterol** 1983 Jan; 18(1):87–90

Dopaminergic and beta-adrenergic effects on gastric antral motility. Bech K, et al. **Scand J Gastroenterol [Suppl]** 1984; 89:65–70

Adrenergic influence on pentagastrin and bethanechol stimulated gastric acid secretion in dogs with gastric fistula. Hovendal C, et al. **Scand J Gastroenterol [Suppl]** 1984; 89:19–22

Effects of beta-adrenergic agents on the pacemaker of ureteral peristalsis. Morita T, et al. **Urol Int** 1984; 39(3):154–8

[Effects of a partial agonist of beta 1 adrenergic receptors (ICI 118,587) on left ventricular performance and metabolism in coronary disease] Rousseau MF, et al. **Arch Mal Coeur** 1984 Jan;77(1):76–84 (Eng. Abstr.) **(Fre)**

[Tocolysis] **Gynakol Rundsch** 1983;23 Suppl 3:43–81 **(Ger)**

[Biochemical and pharmacologic factors in the regulation of bronchial tone and their clinical significance] Schmutzler W. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:695–9 (Eng. Abstr.) **(Ger)**

[Beta receptor antagonists—pharmacologic characteristics and mechanism of action in cardiovascular diseases] Langnickel R, et al. **Z Arztl Fortbild (Jena)** 1984; 78(7):255–61 **(Ger)**

[Release of slow-reacting substance of anaphylaxis (SRS-A) from human lung and inhibitory effect by beta-stimulants] Kajita T, et al. **Arerugi** 1984 Jan;33(1):43–51 (Eng. Abstr.) **(Jpn)**

[Effect of beta-adrenoagonists on peroxidation of lipids in the myocardium of the rat] Iavorskiĭ OG. **Ukr Biokhim Zh** 1984 Jan–Feb;56(1):66–71 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Beta-adrenoceptor agonist responses in the skin and lungs of asthmatic subjects. Basran GS, et al. **Eur J Respir Dis [Suppl]** 1984;135:198–201

Modulation of the response of a photosensitive muscle by beta-adrenergic regulation of cyclic AMP levels. Rubin LJ, et al. **Nature** 1984 Feb 9–15;307(5951):551–3

THERAPEUTIC USE

Prenalterol in the treatment of orthostatic hypotension in Shy-Drager syndrome. Goovaerts J, et al. **Acta Cardiol (Brux)** 1984;39(2):147–55

Prenalterol in cardiogenic shock following acute myocardial infarction. Coma-Canella I, et al. **Am Heart J** 1984 Jun; 107(6):1195–201

Antianginal effects of corwin, a new beta-adrenoceptor partial agonist. Detry JM, et al. **Am J Cardiol** 1984 Feb 1;53(4):439–43

Effect of outpatient treatment of asthma with beta agonists on the response to sympathomimetics in an emergency room. Rossing TH, et al. **Am J Med** 1983 Nov;75(5):781–4

Reversal of hypotension and bradycardia with prenalterol [letter] Ostergaard D, et al. **Anaesthesia** 1984 May; 39(5):494–5

Management of the acute asthma attack at home. Bowler S, et al. **Aust Fam Physician** 1983 Sep;12(9):638–41

Symptoms, haemodynamics, and exercise capacity during long term treatment of chronic heart failure. Experience with pirbuterol. Dawson JR, et al. **Br Heart J** 1983 Sep; 50(3):282–9

Haemodynamic effects of ICI 118,587 in cardiomyopathy. Simonsen S. **Br Heart J** 1984 Jun;51(6):654–7

Betamimetic drugs in the prophylaxis of preterm labour: extent and rationale of their use. Keirse MJ. **Br J Obstet Gynaecol** 1984 May;91(5):431–7

A survey of tocolytic drug treatment in preterm labour. Keirse MJ. **Br J Obstet Gynaecol** 1984 May;91(5):424–30

Effect of prenalterol on orthostatic hypotension in the Shy-Drager syndrome. Goovaerts J, et al. **Br Med J [Clin Res]** 1984 Mar 17;288(6420):817–8

Effects of pirbuterol and sodium nitroprusside on pulmonary haemodynamics in hypoxic cor pulmonale. MacNee W, et al. **Br Med J [Clin Res]** 1983 Oct 22;287(6400):1169–72

Response of pulmonary circulation to oral pirbuterol in chronic airflow obstruction. Peacock A, et al. **Br Med J [Clin Res]** 1983 Oct 22;287(6400):1178–80

Long-term hemodynamic effects of prenalterol in patients with severe congestive heart failure. Lambertz H, et al. **Circulation** 1984 Feb;69(2):298–305

Controversies in asthma therapy with theophylline and the beta 2-adrenergic agonists. Kelly HW. **Clin Pharm** 1984 Jul–Aug;3(4):386–95 (139 ref.)

Combined methylxanthines and beta-adrenergic agonists in the treatment of severe asthma. Morell F, et al. **Drug Intell Clin Pharm** 1983 Nov;17(11):820-1

Beta-adrenoceptor antagonists and blood flow to the jeopardized myocardium. Saxena PR. **Eur Heart J** 1983 Jul;4 Suppl D:101-8 (46 ref.)

Haemodynamic effects of prenaterol and cardiac glycosides in patients with recent myocardial infarction. Boström PA, et al. **Eur J Clin Invest** 1984 Jun;14(3):175-80

Lack of effect of prenalterol on dialysis-associated hypotension. Ladefoged J. **Eur J Clin Pharmacol** 1984; 26(3):399-400

Selectivity of beta-adrenergic stimulating and blocking agents. Löfdahl CG, et al. **Eur J Respir Dis [Suppl]** 1984; 136:101-13

Effects of beta 1-adrenoceptor stimulation and blockade studied in asthmatic airways. Löfdahl CG, et al. **Eur J Respir Dis [Suppl]** 1984;135:151-2

Acute effects of beta 1 agonism with prenalterol on catecholamine circulating levels in patients with congestive heart failure. Corea L, et al. **G Ital Cardiol** 1983 Nov; 13(11):330-4

Inotropic effect of prenalterol in amitriptyline poisoning. Heath A, et al. **Intensive Care Med** 1984;10(4):209-11

Concomitant use of beta adrenergic agonists and methylxanthines. Nicklas RA, et al. **J Allergy Clin Immunol** 1984 Jan;73(1 Pt 1):20-4

Beta-adrenergic drugs in the management of asthma in athletes. Sly RM. **J Allergy Clin Immunol** 1984 May;73(5 Pt 2):680-5

Biopharmacotherapeutic approach to bronchial asthma. Rastogi SK, et al. **J Indian Med Assoc** 1983 Jul 1-16; 81(1-2):23-7 (17 ref.)

Beta-agonists and heart failure [editorial] **Lancet** 1983 Nov 5;2(8358):1063-4

The cost effectiveness of stopping preterm labor with beta-adrenergic treatment. Korenbrot CC, et al. **N Engl J Med** 1984 Mar 15;310(11):691-6

Current status of beta-adrenergic agonists in bronchial asthma. Galant SP. **Pediatr Clin North Am** 1983 Oct; 30(5):931-42 (45 ref.)

Pirbuterol hydrochloride: evaluation of beta adrenergic agonist activity in reversible obstructive pulmonary disease and congestive heart failure. Weber RW, et al. **Pharmacotherapy** 1984 Jan-Feb;4(1):1-10 (51 ref.)

Combination therapy--a review of clinical studies. Rudolf M. **Postgrad Med J** 1984;60 Suppl 1:9-12

Tocolytic therapy with beta-adrenergic agonists. Frederiksen MC. **Ration Drug Ther** 1983 Jun;17(6):1-5

Nonsurgical treatment of cervical incompetence. Rivera-Alsina ME, et al. **Tex Med** 1983 Dec;79(12):40-2

[Clinical study of the action of dobutamine in acute cardiac insufficiency] Chevalier P, et al. **Ann Cardiol Angeiol (Paris)** 1984 May-Jun;33(4):227-32 (Eng. Abstr.) **(Fre)**

[The use of beta-1-adrenergic agonists in the treatment of cardiac insufficiency] Coulombe D. **Ann Cardiol Angeiol (Paris)** 1984 May-Jun;33(4):207-10 (Eng. Abstr.) **(Fre)**

[The role of beta-2 stimulators in cardiac insufficiency] Mettauer B, et al. **Ann Cardiol Angeiol (Paris)** 1984 May-Jun;33(4):211-4 (Eng. Abstr.) **(Fre)**

[The value of xamoterol in moderate ischemic cardiac insufficiency] Rousseau MF, et al. **Ann Cardiol Angeiol (Paris)** 1984 May-Jun;33(4):215-8 (Eng. Abstr.) **(Fre)**

[Noradrenergic hypothesis in anorexia nervosa: prospective study using beta-stimulant therapy] Lang F, et al. **Ann Med Psychol (Paris)** 1983 Sep-Oct;141(8):918-25 (Eng. Abstr.) **(Fre)**

[Mechanism of action of anti-asthma drugs] Pécoud A. **Schweiz Rundsch Med Prax** 1984 Jan 3;73(1):9-11 (Eng. Abstr.) **(Fre)**

[The significance of betamimetics and magnesium for the outcome of pregnancy: II. The role of magnesium in the development of gestosis and fetal hypotrophy] Conradt A, et al. **Z Geburtshilfe Perinatol** 1983 Nov-Dec;187(6):264-72 (Eng. Abstr.) **(Ger)**

[Use of beta mimetics in cerclage operations] Jäger KH, et al. **Zentralbl Gynakol** 1983;105(23):1532-6 (Eng. Abstr.) **(Ger)**

[Effect of bufenine hydrochloride on circulating blood volume and physical development of fetuses of female rabbits with experimental hypertension] Lenczewski A, et al. **Ginekol Pol** 1983 Jul;54(7):453-7 (Eng. Abstr.) **(Pol)**

[Treatment of heart failure in ischemic heart disease with beta-adrenostimulators and peripheral vasodilators] Shevchenko VA. **Vrach Delo** 1983 Oct;(10):8-12 (50 ref.) **(Rus)**

[Management of asthma in childhood] Phelan PD. **Rev Chil Pediatr** 1983 Sep-Oct;54(5):369-73 (Eng. Abstr.) **(Spa)**

TOXICITY

Cardiovascular malformations associated with administration of prenalterol to young chick embryos. Bruyere HJ Jr, et al. **Teratology** 1983 Aug;28(1):75-82

External malformations in chick embryos following concomitant administration of methylxanthines and beta-adrenomimetic agents: 1. Gross pathologic features. Bruyere HJ Jr, et al. **Teratology** 1983 Oct;28(2):257-69

Beta-adrenoceptor stimulants and mesovarian leiomyomas in the rat. Jack D, et al. **Toxicology** 1983 Jul-Aug; 27(3-4):315-20

ADRENERGIC BETA RECEPTOR BLOCKADERS

Beta-adrenergic effect of pancuronium bromide: fact or fallacy? [letter] Pinaud ML, et al. **Anesthesiology** 1984 May; 60(5):512-3

Labetalol: an alpha- and beta-adrenoceptor blocking drug. Michelson EL, et al. **Ann Intern Med** 1983 Oct;99(4):553-5

The mechanism of action of dobutamine [letter] Ruffolo RR Jr. **Ann Intern Med** 1984 Feb;100(2):313-4

Pharmacology of 4-(2-hydroxy-3-[(1-methyl-3-phenylpropyl)-amino]prop (KF-4317). Kubo K, et al. **Arzneimittelforsch** 1983; 33(7):926-31

L-3,4-(3-3,4-dimethoxyphenethylamino-2-hydroxypropo crotonic acid nitrile.HCl (Hoe 224), a beta-blocking agent with high beta 1-selectivity. Lindner E. **Arzneimittelforsch** 1984;34(3):270-6

Antihypertensive effect and degree of beta-adrenoceptor blockade after short-term and semi-chronic propranolol therapy. Leenen FH, et al. **Br J Clin Pharmacol** 1984 Jun; 17(6):745-52

Studies on the renin response to vasoactive intestinal polypeptide (VIP) in the conscious rabbit. Calam J, et al. **Br J Pharmacol** 1983 Sep;80(1):13-5

In vitro studies on cetamolol, a new potent cardioselective beta-adrenoceptor blocking agent with intrinsic sympathomimetic activity. Grimes D, et al. **Can J Physiol Pharmacol** 1983 Oct;61(10):1109-15

Quinidine is a competitive antagonist at alpha 1- and alpha 2-adrenergic receptors. Motulsky HJ, et al. **Circ Res** 1984 Sep;55(3):376-81

Comparative effects of beta-adrenergic blockade in systolic hypertension according to age. Levenson J, et al. **Eur Heart J** 1983 Nov;4 Suppl G:51-4

Concentration-effect and time-effect relationships of carteolol. Ishizaki T, et al. **Eur J Clin Pharmacol** 1983; 25(6):749-57

Synthesis of a beta-blocker for heart visualization: [11C]practolol. Berger G, et al. **Int J Appl Radiat Isot** 1983 Nov;34(11):1556-7

Liquid chromatographic and ultraviolet spectrophotometric determination of bevantolol and hydrochlorothiazide in feeds. Spurlock CH, et al. **J Assoc Off Anal Chem** 1984 Mar-Apr;67(2):321-4

Beta-adrenergic blockers. Choosing among them. Vlietstra RE, et al. **Postgrad Med** 1984 Sep 1;76(3):71-3, 76-7, 80

[Evaluation of the ethical, psychological and relational aspects in 8 healthy volunteers after the clinical trial of a new beta-blocker (SL 75,177-10)] Régnier F, et al. **Therapie** 1983 Mar-Apr;38(2):155-61 (Eng. Abstr.) **(Fre)**

[Effect of pretreatment with the alpha-adrenoblocker phentolamine and the beta-adrenoblocker inderal on the stress-induced decrease in adrenoreactivity of the portal vein] Manukhina EB. **Biull Eksp Biol Med** 1983 Oct; 96(10):62-3 (Eng. Abstr.) **(Rus)**

[Clinico-experimental study of the new antihypertensive preparation abletol (labetalol)] Glezer GA, et al. **Kardiologiia** 1983 Aug;23(8):12-6 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

A combination of oral and topical beta-blockers with additive effects on intraocular pressure. Ohrström A, et al. **Acta Ophthalmol (Copenh)** 1983 Dec;61(6):1021-8

Single-agent and combination therapy of essential hypertension. Weber MA, et al. **Am Heart J** 1984 Aug; 108(2):311-6

Effect of nifedipine alone versus in combination with beta blockers and/or nitrates on left ventricular function in angina pectoris [letter] Miller A. **Am J Cardiol** 1983 Nov 1;52(8):1152

A comparison of prazosin versus nadolol in combination with a diuretic. Okun R, et al. **Am J Cardiol** 1984 Jan 27; 53(3):37A-39A

Cardiorespiratory effects of isosorbide dinitrate and nifedipine in combination with nadolol: a double-blind comparative study of beneficial and adverse antianginal drug interactions. Tirlapur VG, et al. **Am J Cardiol** 1984 Feb 1;53(4):487-92

Practical guidelines for treatment with beta-blockers and nitrates in patients with acute myocardial infarction. Simoons ML, et al. **Eur Heart J** 1983 Jul;4 Suppl D:129-35

Which patients should receive beta-blocking drugs after myocardial infarction? Taylor SH. **Eur Heart J** 1983 Jul; 4 Suppl D:161-6

Anti-anginal, electrophysiologic and hemodynamic effects of combined beta-blocker/calcium antagonist therapy. Vanhaleweyk GL, et al. **Eur Heart J** 1983 Jul;4 Suppl D:117-28 (53 ref.)

Selection of patients for beta-blocking treatment after myocardial infarction. Vedin JA, et al. **Eur Heart J** 1983 Jul;4 Suppl D:159-60

Improved prognosis during long-term treatment with beta-blockers after myocardial infarction: analysis of randomized trials and pooling of results. Bassan MM, et al. **Heart Lung** 1984 Mar;13(2):164-8

Multiplicity of arrhythmogenic factors. A plea for combined therapies. Coumel P. **Int J Cardiol** 1983 Nov-Dec; 4(4):477-80

The combined alpha- and beta-adrenergic blocker labetalol and propranolol in the treatment of high blood pressure: similarities and differences. Weber MA, et al. **J Clin Pharmacol** 1984 Feb-Mar;24(2-3):103-12

Assessment of optimal dose of diuretic associated with fixed dose of beta-blocking: a new experimental model based on multiple sampling of blood pressure performed by self-measurements. Scarpelli PT, et al. **Methods Find Exp Clin Pharmacol** 1984 Feb;6(2):103-8

Managing stable angina pectoris: nitroglycerin, beta blockers and risk factor reduction. Wright C. **Nurse Pract** 1984 Feb; 9(2):54, 55, 57 passim

Factors influencing choice of a beta-blocker; should such drugs be used in combination with a calcium-channel blocking drug. Banks DC. **Postgrad Med J** 1983;59 Suppl 3:30-2

[Therapeutic value of the long-term administration of beta-adrenergic blockaders after myocardial infarct] Tomov I. **Vutr Boles** 1984;23(3):16-25 (20 ref.) **(Bul)**

[Comparative study of the effectiveness of inderal and anaprilin in effort angina] Romakov AIu, et al. **Kardiologiia** 1983 Oct;23(10):76-82 (Eng. Abstr.) **(Rus)**

[New possibilities for monitoring beta-adrenoblocker treatment of hypoxic states in young children with the tetralogy of Fallot] Ivanov AA. **Pediatriia** 1984 Apr; (4):20-2 (Eng. Abstr.) **(Rus)**

[Use of the new beta-adrenoblockader Corgard in ischemic heart disease and arterial hypertension] Ostapiuk FE, et al. **Sov Med** 1984;(5):87-9 **(Rus)**

ADVERSE EFFECTS

Raynaud's phenomenon caused by beta-receptor blocking drugs. Improvement after treatment with a combined alpha- and beta-blocker. Eliasson K, et al. **Acta Med Scand** 1984;215(4):333-9

Incidence and importance of metabolic side-effects during antihypertensive therapy. Elmfeldt D, et al. **Acta Med Scand [Suppl]** 1983;672:79-83

Adrenergic blockade and hypoglycaemia. Lager I. **Acta Med Scand [Suppl]** 1983;672:63-7

beta-adrenergic blockade and diabetes mellitus. A review. Ostman J. **Acta Med Scand [Suppl]** 1983;672:69-77 (78 ref.)

Metabolic side effects of diuretics and beta-adrenoceptorblockers. Bengtsson C. **Acta Pharmacol Toxicol (Copenh)** 1984;54 Suppl 1:67-70

Beta-adrenergic receptor blocking drugs in hypertension. With special reference to their use as initial therapy. Kincaid-Smith P. **Am J Cardiol** 1984 Jan 27;53(3):12A-15A

Arthropathy induced by beta blockade. Savola J. **Br Med J [Clin Res]** 1983 Oct 29;287(6401):1256-7

Arthropathy induced by beta blockade [letter] Zoma AA, et al. **Br Med J [Clin Res]** 1984 Jan 21;288(6412):237-8

Lipophilicity of beta blockers [letter] Sullman SA, et al. **Clin Pharm** 1983 Nov-Dec;2(6):510-1

Anaphylactoid reaction caused by intravenous doxycycline during general anesthesia and beta-blockade treatment. Raeder JC. **Drug Intell Clin Pharm** 1984 Jun;18(6):481-2

How disturbing are side effects of beta blockers. Besterman EM. **Eur Heart J** 1983 Jul;4 Suppl D:143-5

Comparison of methods to detect side-effect on clinical application of chloranolol, a beta-adrenergic receptor inhibitor. Török E, et al. **Eur J Clin Pharmacol** 1984; 26(5):555-62

Effect of beta-blocking drugs on beta-cell function and insulin sensitivity in hypertensive non-diabetic patients. Tötterman K, et al. **Eur J Clin Pharmacol** 1984;26(1):13-7

Inhibition of reflex circulatory control in open heart surgery potentiated by combination beta-adrenergic and calcium channel blockade [letter] McFadden PM. **J Am Coll Cardiol** 1984 Sep;4(3):651-2

'Central' effects of beta blockers: a critique [letter] Neppe VM. **J Clin Psychopharmacol** 1984 Jun;4(3):169-70

Beta-blockade and plasma lipids. Lehtonen A. **J Pharmacol** 1983;14 Suppl 2:203-8

The beta-adrenergic blockade withdrawal phenomenon. Walden RJ, et al. **J Pharmacol** 1983;14 Suppl 2:35-48 (53 ref.)

Verapamil/beta-blocker interaction. A review. Lander R. **Mo Med** 1983 Oct;80(10):626-9 (33 ref.)

Beta blocker withdrawal: the role of the beta adrenoceptor. Maling TJ. **NZ Med J** 1984 Feb 8;97(749):76-7

Beta-adrenoceptor blocking drugs: adverse reactions and drug interactions. Kendall MJ, et al. **Pharmacol Ther** 1983; 21(3):351-69 (120 ref.)

Practical tips on adverse drug effects in glaucoma therapy. Schwab LT. **W Va Med J** 1983 Sep;79(9):199-201

[Peripheral vascular complications of beta-blocking agents] Guilmot JL, et al. **J Mal Vasc** 1984;9(1):59-62 (Eng. Abstr.) **(Fre)**

[Antinuclear antibodies and lupus induced during treatment of arterial hypertension. Role of beta-blockers and alpha-methyldopa] Homberg JC, et al. **J Pharmacol** 1983; 14 Suppl 2:61-6 (Eng. Abstr.) **(Fre)**

[Changes in lipids and lipoproteins caused by the beta-blocking agents used as antihypertensives] Rouffy J, et al. **J Pharmacol** 1983;14 Suppl 2:183-99 (64 ref.) (Eng. Abstr.) **(Fre)**

[Are the theoretical drawbacks of beta-blocker treatment in pregnancy being confirmed? A review of the literature] Tcherdakoff P, et al. **J Pharmacol** 1983;14 Suppl 2:143-50 (19 ref.) (Eng. Abstr.) **(Fre)**

[Adverse effects of a diltiazem–beta-blocker combination (letter)] Reboud JP, et al. **Presse Med** 1984 May 26; 13(22):1396 (Fre)

[Evaluation of information content. Apropos of 60 cases of drug monitoring] Ponchon AC, et al. **Therapie** 1983 Sep–Oct;38(5):437–40 (Eng. Abstr.) (Fre)

[Withdrawal phenomena after chronic beta-blockade. Causes and therapeutic consequences] Krämer B, et al. **Dtsch Med Wochenschr** 1984 Mar 23;109(12):465–71 (75 ref.) (Ger)

[Bufuralol: do beta blockers reduce blood circulation in the kidneys?] Truniger B, et al. **Schweiz Med Wochenschr** 1983 Sep 17;113(37):1331–3 (Eng. Abstr.) (Ger)

[Beta blockers and sports] Boutellier U. **Schweiz Z Sportmed** 1984 Jun;32(2):49–59 (Eng. Abstr.) (Ger)

[The use and hazards of beta blockers] Flammer J. **Ther Umsch** 1984 Apr;41(4):251–4 (Eng. Abstr.) (Ger)

[Pulmonary edema following beta adrenergic blockers] Weiner P, et al. **Harefuah** 1983 Mar 1;104(5):170–2 (Eng. Abstr.) (Heb)

[Iatrogenic dermatoses caused by beta-blocking drugs] Alinovi A, et al. **G Ital Dermatol Venereol** 1983 Nov–Dec; 118(6):341–8 (93 ref.) (Eng. Abstr.) (Ita)

[Psychotic episodes caused by beta blockers (letter)] Cordás TA. **Rev Paul Med** 1983 Nov–Dec;101(6):247 (Por)

[Beta-blocker withdrawal syndrome] Goliakov VN, et al. **Klin Med (Mosk)** 1984 Mar;62(3):15–22 (31 ref.) (Rus)

[Rebound reaction after beta-adrenergic blockers] Belanová M, et al. **Cesk Fysiol** 1983;32(6):535–45 (Slo)

ANALYSIS

Liquid chromatographic retention of beta-adrenoceptor antagonists: an index of lipid solubility. Arendt RM, et al. **J Pharm Pharmacol** 1984 Jun;36(6):400–1

BLOOD

Determination of betaxolol, a new beta-blocker, by gas chromatography mass spectrometry: application to pharmacokinetic studies. Hermann P, et al. **Biomed Mass Spectrom** 1984 Jan;11(1):29–34

Radioreceptor assay for serum levels of cetamolol, a new beta-adrenoceptor antagonist. Stern MD. **Clin Biochem** 1984 Jun;17(3):162–5

Circulating beta-adrenoceptor blocking factors in asthma. Basran GS, et al. **Eur J Respir Dis [Suppl]** 1984;135:226–8

Gas chromatographic determination of bevantolol in plasma. Randinitis EJ, et al. **J Chromatogr** 1984 Jun 8;308:345–9

Enzyme immunoassays for beta-adrenoreceptor blocking agent, befunolol and its main metabolite, M1. Sato S, et al. **J Immunoassay** 1983;4(4):351–71

Nadolol binding to human serum proteins. Patel L, et al. **J Pharm Pharmacol** 1984 Jun;36(6):414–5

[Betablockers and serum lipids. A retrospective study] Karoff C, et al. **Med Welt** 1984 Feb 10;35(6):167–8 (Ger)

CHEMICAL SYNTHESIS

Ether derivatives of 3-amino–1,2–propanediols, IV. Syntheses and pharmacological investigations of 1–cycloalkoxy–3–amino–2–propanols and 1–cycloalkoxy–3–guanidino–2–propanols. Chalina E, et al. **Arch Pharm (Weinheim)** 1984 Jan;317(1):63–9

Synthesis and beta-adrenergic blocking activity of 2–(N–substituted amino)–1,2,3,4–tetrahydronaphthalen–1–ol derivatives. Itoh K, et al. **Chem Pharm Bull (Tokyo)** 1984 Jan; 32(1):130–51

Synthesis of 2–(N–substituted amino)–6–hydroxy–1,2,3,4–tetrahydronaphthalen–1–ol derivatives. Miyake A, et al. **Chem Pharm Bull (Tokyo)** 1983 Jul;31(7):2329–48

Synthesis of a novel series of (aryloxy)propanolamines: new selective beta 2–blocking agents. Carre MC, et al. **J Med Chem** 1984 Jun;27(6):792–9

Beta–adrenergic blocking agents: substituted phenylalkanolamines. Effect of side–chain length on beta–blocking potency in vitro. Fuhrer W, et al. **J Med Chem** 1984 Jul;27(7):831–6

[(Arylcarbonyl)oxy]propanolamines. 1. Novel beta-blockers with ultrashort duration of action. Kam ST, et al. **J Med Chem** 1984 Aug;27(8):1007–16

beta 1–selective adrenoceptor antagonists. 1. Synthesis and beta–adrenergic blocking activity of a series of binary (aryloxy)propanolamines. Kierstead RW, et al. **J Med Chem** 1983 Nov;26(11):1561–9

Beta 1–selective adrenoceptor antagonists. 3. 4–Azolyl–linked phenoxypropanolamines. Machin PJ, et al. **J Med Chem** 1984 Apr;27(4):503–9

[Naphthofuran derivatives with potential beta–adrenolytic activity] Garuti L, et al. **Farmaco [Sci]** 1983 Jul; 38(7):527–32 (Eng. Abstr.) (Ita)

[Syntheses of 8–acylamino–3,4–dihydrocarbostyril derivatives with beta–adrenergic blocking action] Oshiro Y, et al. **Yakugaku Zasshi** 1984 Jan;104(1):28–36 (Eng. Abstr.) (Jpn)

DIAGNOSTIC USE

Betaxolol and propranolol in glucagon stimulation of growth hormone. Colle M, et al. **Arch Dis Child** 1984 Jul; 59(7):670–2

Cardioprotection by blockade of beta 2–adrenoceptors. Vincent HH, et al. **Eur Heart J** 1983 Jul;4 Suppl D:109–15

IMMUNOLOGY

Beta–blocking autoantibodies in pediatric bronchial asthma. Blecher M, et al. **J Allergy Clin Immunol** 1984 Sep;74(3 Pt 1):246–51

METABOLISM

Transplacental transfer of beta–adrenergic drugs studied by an in vitro perfusion method of an isolated human placental lobule. Sodha RJ, et al. **Am J Obstet Gynecol** 1983 Oct 1;147(3):303–10

Binding of beta–adrenoceptor antagonists to rat and rabbit lung: special reference to levobunolol. Quast U, et al. **Arzneimittelforsch** 1984;34(5):579–84

Determination of the desensitization of beta–adrenergic receptors by [3H]CGP–12177. Hertel C, et al. **Biochem J** 1983 Dec 15;216(3):669–74

Enzyme induction and beta–adrenergic receptor blocking drugs. Branch RA, et al. **Br J Clin Pharmacol** 1984;17 Suppl 1:77S–84S

Comparison of the clinical pharmacokinetics and concentration–effect relationships for medroxalol and labetalol. Elliott HL, et al. **Br J Clin Pharmacol** 1984 May; 17(5):573–8

Study of the influence of nifedipine on the pharmacokinetics and pharmacodynamics of propranolol, metoprolol and atenolol. Gangji D, et al. **Br J Clin Pharmacol** 1984;17 Suppl 1:29S–35S

Beta–adrenoceptor blocker pharmacokinetics and the oral contraceptive pill. Kendall MJ, et al. **Br J Clin Pharmacol** 1984;17 Suppl 1:87S–89S

Prediction of metabolic drug interactions involving beta–adrenoceptor blocking drugs. Park BK. **Br J Clin Pharmacol** 1984;17 Suppl 1:3S–10S

Polymorphic metabolism of beta–adrenoceptor antagonists. Silas JH, et al. **Br J Clin Pharmacol** 1984;17 Suppl 1:11S–19S

Binding potencies of 3 new beta 2 specific blockers to beta receptors in the ciliary processes and the possible relevance of these drugs to intraocular pressure control. Trope GE, et al. **Br J Ophthalmol** 1984 Apr;68(4):245–7

Recovery of beta–adrenoceptors and cyclic AMP response after long term treatment of intact heart cells with beta–blockers. Becker C, et al. **Br J Pharmacol** 1984 Jul; 82(3):745–55

Bufuralol metabolism in human liver: a sensitive probe for the debrisoquine–type polymorphism of drug oxidation. Minder EI, et al. **Eur J Clin Invest** 1984 Jun;14(3):184–9

Pharmacokinetics and absolute bioavailability of carteolol, a new beta–adrenergic receptor blocking agent. Ishizaki T, et al. **Eur J Clin Pharmacol** 1983;25(1):95–101

Absolute bioavailability study in the dog with Visacor, a new cardioselective beta blocking drug with intrinsic sympathomimetic activity. McAinsh J, et al. **Eur J Drug Metab Pharmacokinet** 1984 Apr–Jun; 9(2):129–39

Characterization of beta–adrenergic receptors in rat ovary. Laszlovszky I, et al. **Eur J Pharmacol** 1983 Dec 9; 96(1–2):101–4

Debrisoquine–type polymorphism of drug oxidation: purification from human liver of a cytochrome P450 isozyme with high activity for bufuralol hydroxylation. Gut J, et al. **FEBS Lett** 1984 Aug 6;173(2):287–90

Consequences of renal insufficiency on the hepatic clearance of some drugs. Balant LP, et al. **Int J Clin Pharmacol Res** 1983;3(6):459–74 (25 ref.)

Corneal penetration behavior of beta–blocking agents II: Assessment of barrier contributions. Huang HS, et al. **J Pharm Sci** 1983 Nov;72(11):1272–9

Corneal penetration behavior of beta–blocking agents III: In vitro–in vivo correlations. Huang HS, et al. **J Pharm Sci** 1983 Nov;72(11):1279–81

Corneal penetration behavior of beta–blocking agents I: Physiochemical factors. Schoenwald RD, et al. **J Pharm Sci** 1983 Nov;72(11):1266–72

Shortterm 'escape' and longterm 'drift.' The dissipation effects of the beta adrenergic blocking agents. Boger WP 3d. **Surv Ophthalmol** 1983 Dec;28 Suppl:235–42 (83 ref.)

Effects of a meal and its composition on the bioavailability of betaxolol administered orally to healthy subjects. Thiercelin JF, et al. **World Rev Nutr Diet** 1984;43:183–6

PHARMACODYNAMICS

Effects of alpha 1–, alpha 2– and beta–adrenoceptor blockers on insulin secretion in the rat. Ahrén B, et al. **Acta Endocrinol (Copenh)** 1984 Jan;105(1):78–82

Hormonal effects of beta–receptor blockade during exercise. Johansson G, et al. **Acta Endocrinol (Copenh)** 1983 Sep; 104(1):10–4

Adrenergic control of metabolic functions. Proceedings of a symposium in Billingehus, Skövde, Sweden, 1982. **Acta Med Scand [Suppl]** 1983;672:1–126

beta–Adrenoceptor blockade and exercise: effects on endurance and physical training. Juhlin–Dannfelt A. **Acta Med Scand [Suppl]** 1983;672:49–54 (38 ref.)

beta–adrenoceptor blockade and physical activity: cardiovascular and metabolic aspects. Koch G, et al. **Acta Med Scand [Suppl]** 1983;672:55–62

The effect of adrenergic blockade on potassium concentrations in different conditions. Lundborg P. **Acta Med Scand [Suppl]** 1983;672:121–6 (16 ref.)

Adrenergic beta–receptorblockade: haemodynamic relevance of beta–1–selectivity and ISA during adrenaline infusion. Maltbaek N, et al. **Acta Med Scand [Suppl]** 1983;677:21–5

Renal effects of antihypertensive drugs in elderly hypertensives. O'Malley K, et al. **Acta Med Scand [Suppl]** 1983;676:110–6

Neonatal effects of beta–blocking drugs in pregnancy. Finnström O, et al. **Acta Obstet Gynecol Scand [Suppl]** 1984; 118:91–3

The acute effects of a non–selective beta–adrenergic blocking agent in hypertensive pregnant rats. Karlsson K, et al. **Acta Obstet Gynecol Scand [Suppl]** 1984;118:81–4

Maternal beta–adrenoceptor blockade reduces fetal tolerance to asphyxia. A study in pregnant sheep. Kjellmer I, et al. **Acta Obstet Gynecol Scand [Suppl]** 1984;118:75–80

The retinal toxicity of befunolol and other adrenergic beta–blocking agents: inhibition of phagocytic activity of cultured retinal pigment epithelial cells. Matsuda H, et al. **Acta Ophthalmol (Copenh)** 1983 Jun;61(3):343–52

Characterization of the beta–adrenergic receptor on the human platelet: a beta 2–subtype. Klysner R, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Apr;54(4):265–9

Effect of beta adrenoreceptor blocking drugs on the responses of isolated rat mesenteric arteries. Risler NR, et al. **Acta Physiol Lat Am** 1983;33(2):171–80

Functional alpha 1–adrenoceptors in the rat heart during beta–receptor blockade. Ask JA, et al. **Acta Physiol Scand** 1984 Jan;120(1):7–13

Effect of sympathetic nerve stimulation and adrenoceptor blockade on pial arterial and venous calibre and on intracranial pressure in the cat. Auer LM, et al. **Acta Physiol Scand** 1983 Nov;119(3):213–7

Beta 1– and beta 2–adrenoceptor–mediated secretion of amylase from incubated rat parotid gland. Carlsöö B, et al. **Acta Physiol Scand** 1984 Mar;120(3):429–35

Microsphere analysis of beta 2–adrenergic control of resistance in different vascular areas after hemorrhage. Gustafsson D, et al. **Acta Physiol Scand** 1984 Jun; 121(2):119–26

Effects of alpha–adrenoceptor agonists and antagonists on insulin secretion, calcium uptake, and rubidium efflux in mouse pancreatic islets. Ismail NA, et al. **Acta Physiol Scand** 1983 Jun;118(2):167–74

Adrenergic effects on plasma levels of glucagon, insulin, glucose and free fatty acids in rabbits—influences of selective blocking drugs. Knudtzon J. **Acta Physiol Scand** 1984 Mar;120(3):353–61

Beta–adrenergic blockade and training in healthy men—effects on central circulation. Svedenhag J, et al. **Acta Physiol Scand** 1984 Jan;120(1):77–86

Isometric muscle endurance during acute beta–adrenergic blockade. Tesch PA, et al. **Acta Physiol Scand** 1984 Jan; 120(1):71–5

Effects of beta–adrenergic blockade on EMG signal characteristics during progressive exercise. Tesch PA, et al. **Acta Physiol Scand** 1984 Jun;121(2):189–91

Role of beta–adrenoreceptor antagonism in the prevention of reperfusion ventricular arrhythmias: effects of acebutolol, atenolol, and d–propranolol on isolated working rat hearts subject to myocardial ischemia and reperfusion. Rochette L, et al. **Am Heart J** 1984 Jun; 107(6):1132–41

Intrinsic sympathomimetic activity: clinical fact or fiction? Taylor SH. **Am J Cardiol** 1983 Nov 10;52(9):16D–26D (91 ref.)

Adrenergic mechanisms in the control of plasma lipids in man. Day JL, et al. **Am J Med** 1984 Feb 27;76(2A):94–6

Pharmacologic and physiologic considerations of adrenoceptor blockade. Frohlich ED, et al. **Am J Med** 1983 Oct 17;75(4A):9–14

Effect of beta–adrenergic blockade on in vivo norepinephrine release in canine heart. Cousineau D, et al. **Am J Physiol** 1984 Feb;246(2 Pt 2):H283–92

Effect of beta–adrenergic blockade on nucleoside release from the hypoperfused isolated heart. Wangler RD, et al. **Am J Physiol** 1984 Aug;247(2 Pt 2):H330–6

Hemodynamic effects of arotinolol in anesthetized dogs and its affinities for adrenoceptors in vitro. Hashimoto H, et al. **Arch Int Pharmacodyn Ther** 1984 Jan;267(1):23–34

Effects of prolonged administration of indenolol in hypertensive rats. Kato H, et al. **Arch Int Pharmacodyn Ther** 1983 Jul;264(1):82–95

The determination of beta–adrenoceptor antagonist cardioselectivity 'in vivo': atenolol in anaesthetized cats. Kiyingi KS, et al. **Arch Int Pharmacodyn Ther** 1983 Jul; 264(1):59–72

Measurement of partial agonist activity in man and its therapeutic relevance. Carruthers SG. **Arq Bras Cardiol** 1984 Mar;42(3):223–5

Pharmacological profile of a new beta–adrenoceptor blocker, 4–[3–(tert–butylamino)–2–hydroxypropoxy]–N–methylisoc hydrochloride (N–696). Nakagawa Y, et al. **Arzneimittelforsch** 1984;34(2):194–9

In vitro interactions of agonists and antagonists with beta–adrenergic receptors. Abramson SN, et al. **Biochem Pharmacol** 1984 Mar 15;33(6):869–75

Effects of chronic beta–blocker treatment on catecholamine levels in spontaneously hypertensive rats. Heimburger M, et al. **Biochem Pharmacol** 1983 Sep 15;32(18):2739–43

Beta–adrenoceptor antagonists and human platelets:

relationship of effects to lipid solubility. Kerry R, et al. **Biochem Pharmacol** 1984 Aug 15;33(16):2615–22

Inhibition of cardiac adenylate cyclase by an irreversible beta-adrenergic blocker. Kusiak JW, et al. **Biochem Pharmacol** 1984 Feb 1;33(3):483–5

Alpha- and beta-adrenoceptor antagonists. Foëx P. **Br J Anaesth** 1984 Jul;56(7):751–65 (158 ref.)

Beta-adrenoreceptor blocker/drug interactions. **Br J Clin Pharmacol** 1984;17 Suppl 1:1S–111S

Comparison of beta-adrenoceptor antagonists as modulators of drug metabolism: effect of lipophilicity on microsomal phase I and II reactions. Ahokas JT, et al. **Br J Clin Pharmacol** 1984;17 Suppl 1:103S–105S

The effect of selective and non-selective beta-adrenoceptor blockade, and of naloxone infusion, on the hormonal mechanisms of recovery from insulin-induced hypoglycaemia in man. Armitstead JG, et al. **Br J Clin Pharmacol** 1983 Dec;16(6):718–21

Heart rate and blood pressure responses to intravenous boluses of isoprenaline in the presence of propranolol, practolol and atropine. Arnold JM, et al. **Br J Clin Pharmacol** 1983 Aug;16(2):175–84

The effect of beta-adrenoceptor antagonists on the pharmacokinetics and pharmacodynamics of warfarin. Bax ND, et al. **Br J Clin Pharmacol** 1984;17 Suppl 1:85S

Reductions in portal pressure by selective beta 2-adrenoceptor blockade in patients with cirrhosis and portal hypertension. Bihari D, et al. **Br J Clin Pharmacol** 1984 Jun;17(6):753–7

Pulmonary effects in man of oral prizidilol hydrochloride (SK&F 92657), a new antihypertensive agent. Edmondstone WM, et al. **Br J Clin Pharmacol** 1983 Dec; 16(6):591–8

Comparison of medroxalol and labetalol, drugs with combined alpha- and beta-adrenoceptor antagonist properties. Elliott HL, et al. **Br J Clin Pharmacol** 1984 May;17(5):565–72

The use of Doppler ultrasound techniques to study the effects of isoprenaline and beta-adrenoceptor blocking drugs on peripheral blood vessels in man. Fitzgerald DE, et al. **Br J Clin Pharmacol** 1984 Jun;17(6):773–6

The interaction of cigarette smoking and beta-adrenoceptor blockade. Fox K, et al. **Br J Clin Pharmacol** 1984;17 Suppl 1:92S–93S

Diazepam/beta-adrenoceptor antagonist interactions. Hawksworth G, et al. **Br J Clin Pharmacol** 1984;17 Suppl 1:69S–76S

Transient in oxygen uptake after step-increase of workload under beta-adrenoceptor blockade or vasodilation. Hendriks FF, et al. **Br J Clin Pharmacol** 1983 Sep; 16(3):319–26

The effect of two beta-adrenoceptor blockers (mepindolol and atenolol) on blood lipids and platelet aggregation in normal volunteers and essential hypertensive patients. Luque Otero M, et al. **Br J Clin Pharmacol** 1984 Mar; 17(3):361–3

The interaction between H2-receptor antagonists and beta-adrenoceptor blockers. Mutschler E, et al. **Br J Clin Pharmacol** 1984;17 Suppl 1:51S–57S

Can the biochemical responses to a beta 2-adrenoceptor stimulant be used to assess the selectivity of beta-adrenoceptor blockers? Rolf Smith S, et al. **Br J Clin Pharmacol** 1983 Nov;16(5):557–60

Effect of ICI 118551 on bronchial beta-adrenoceptor function and exercise heart rate in normal man. Tattersfield AE, et al. **Br J Clin Pharmacol** 1983 Dec;16(6):587–90

Effects of beta-adrenoceptor antagonists on the pharmacokinetics of lignocaine. Tucker GT, et al. **Br J Clin Pharmacol** 1984;17 Suppl 1:21S–28S

Bopindolol: a new long acting beta-receptor antagonist; its effects on haemodynamics, and on the renin response to tilting. Turner DR, et al. **Br J Clin Pharmacol** 1984 Mar; 17(3):295–9

Pharmacokinetics and pharmacodynamics of verapamil in combination with atenolol, metoprolol and propranolol. Warrington SJ, et al. **Br J Clin Pharmacol** 1984;17 Suppl 1:37S–44S

Beta 2-adrenoceptor blockade is the basis of guinea-pig bronchial hyper-responsiveness to leukotriene C4 and other agonists. Bongrani S, et al. **Br J Pharmacol** 1983 Aug; 79(4):839–48

Temperature-induced changes in dissociation constants (KA) of agonists at cardiac beta-adrenoceptors determined by use of the irreversible antagonist Ro 03–7894. Broadley KJ, et al. **Br J Pharmacol** 1983 Jun;79(2):517–24

The effect of beta-adrenoceptor blocking agents, with differing ancillary properties, on the arrhythmias resulting from acute coronary artery ligation in anaesthetized rats. Campbell CA, et al. **Br J Pharmacol** 1983 Aug;79(4):939–46

Classification of beta-adrenoceptors in human isolated bronchus. Goldie RG, et al. **Br J Pharmacol** 1984 Apr; 81(4):611–5

Is Ro 03–7894 an irreversible antagonist at beta-adrenoceptor sites? Krstew E, et al. **Br J Pharmacol** 1984 Jun;82(2):501–8

The selectivity of beta-adrenoceptor antagonists on isoprenaline-induced changes in heart rate, blood pressure, soleus muscle contractility and airways function in anaesthetized cats. Letts LG, et al. **Br J Pharmacol** 1983 Oct;80(2):323–34

The classification of beta-adrenoceptors in isolated ring preparations of canine coronary arteries. O'Donnell SR, et al. **Br J Pharmacol** 1984 Apr;81(4):637–44

Impairment of physical performance after treatment with beta blockers and alpha blockers. Bengtsson C. **Br Med J [Clin Res]** 1984 Mar 3;288(6418):671–2

Beta adrenoceptor blockade and responses of serum lipids to a meal and to exercise. Peden NR, et al. **Br Med J [Clin Res]** 1984 Jun 16;288(6433):1788–90

The new beta-adrenergic antagonists. Chung DC, et al. **Can Anaesth Soc J** 1984 Jul;31(4):430–3 (11 ref.)

Cetamolol: a new cardioselective beta-adrenoceptor blocking agent without membrane-stabilizing activity. Beaulieu G, et al. **Can J Physiol Pharmacol** 1984 Mar;62(3):302–8

Cetamolol: cardiovascular effects of a new cardioselective beta-adrenoceptor blocker possessing partial agonistic activity and lacking membrane-stabilizing activity. Beaulieu G, et al. **Can J Physiol Pharmacol** 1984 Jun; 62(6):610–6

A comparative study of the acute effects of cetamolol (AI–27,303), atenolol, propranolol, and dexpropranolol on blood pressure, sympathetic nerve and ganglion activity of cats. Jaramillo J. **Can J Physiol Pharmacol** 1983 Jul; 61(7):693–8

Optical isomers of the hepatocarcinogenic beta-blocker ZAMI 1305: influence on nucleic acids synthesis and DNA integrity. Mazzocchi C, et al. **Chem Biol Interact** 1984 Jun; 50(1):77–86

Effects of medroxalol on renal function and the renin–angiotensin–aldosterone axis. Wallin JD, et al. **Clin Pharmacol Ther** 1984 Aug;36(2):169–73

Regional myocardial tissue blood flow during beta-adrenergic blockade in cat hearts with acute ischaemia. Stangeland L, et al. **Clin Physiol** 1984 Jun; 4(3):209–19

Effect of a beta-adrenergic antagonist on blood pressure, heart rate and beta-adrenoceptors in turkey poults. Kuenzel WJ, et al. **Comp Biochem Physiol [C]** 1983;76(2):371–5

Specificity of beta-adrenergic control of lipolysis in swine adipose tissue. Mersmann HJ. **Comp Biochem Physiol [C]** 1984;77(1):39–42

Effects of indapamide and various diuretics alone or combined with beta-blockers on serum lipoproteins. Weidmann P, et al. **Curr Med Res Opin** 1983;8 Suppl 3:123–34

Beta-adrenergic antagonist inhibition of hepatic 3,5,3'-triiodothyronine production. Shulkin BL, et al. **Endocrinology** 1984 Sep;115(3):858–61

Hypotensive mechanisms of beta blockers. Conway J. **Eur Heart J** 1983 Jul;4 Suppl D:43–51 (56 ref.)

The multiple modes of action of propafenone. Dukes ID, et al. **Eur Heart J** 1984 Feb;5(2):115–25

Do beta blockers prevent pressor responses to mental stress and physical exercise? François B, et al. **Eur Heart J** 1984 May;5(5):348–53

Intracardiac electrophysiological study of S–2395 in intact and chemically sympathectomized dogs. Guimond C, et al. **Eur Heart J** 1983 Jul;4(7):512–20

Metabolic and hormonal responses to exhaustive supramaximal running with and without beta-adrenergic blockade. Schnabel A, et al. **Eur J Applied Physiol** 1984; 52(2):214–8

Augmented vasoconstrictor response to head-up tilt in peripheral tissues during beta-receptor blockade. Skagen K. **Eur J Clin Pharmacol** 1983;25(1):3–7

Beta 2-adrenoceptor-induced hypotension in the ganglion-blocked angiotensin II-supported rat. Brown NL, et al. **Eur J Pharmacol** 1983 Sep 2;92(3–4):285–9

Attempt at pharmacological differentiation of central beta-adrenergic receptors. Frances H, et al. **Eur J Pharmacol** 1983 Sep 2;92(3–4):223–30

Effect of fenoterol on immunological release of leukotrienes and histamine from human lung in vitro: selective antagonism by beta-adrenoceptor antagonists. Hughes JM, et al. **Eur J Pharmacol** 1983 Nov 25;95(3–4):239–45

Cardiovascular pharmacology of ASL–8052, an ultra-short acting beta blocker. Murthy VS, et al. **Eur J Pharmacol** 1983 Oct 14;94(1–2):43–51

Effects of beta-adrenergic inhibitors on noradrenaline and adrenaline metabolism in brain regions of the rat. Simonyi A, et al. **Eur J Pharmacol** 1984 Feb 17;98(2):285–8

Vagus- and post-acetylcholine-induced changes in ventricular electrophysiology of the dog heart with and without beta-blockade. Amlie JP, et al. **Eur Surg Res** 1984; 16 Suppl 2:5–13

Heart muscle necroses following normobaric hyperoxia: modification by beta-blocking agents and calcium antagonists. Büsing CM, et al. **Exp Pathol** 1984; 25(4):199–204

Blood glycerol levels in type-2 diabetics after beta-1-blockade and alpha-2 adrenergic stimulation. Ferlito S, et al. **Farmaco [Prat]** 1984 Mar;39(3):91–5

Assessment of adrenergic beta-blockade in the anesthetized rat at different baseline values. Brunner F, et al. **Gen Pharmacol** 1984;15(3):233–7

On the relationship between aggregation and cyclic nucleotides in platelets treated with betaadrenoceptor blocking drugs. Nosál R, et al. **Gen Physiol Biophys** 1983 Oct;2(5):353–62

A new method evaluating quantitative time-dependent cytotoxicity of ophthalmic solutions in cell culture. Beta-adrenergic blocking agents. Takahashi N. **Graefes Arch Clin Exp Ophthalmol** 1983;220(6):264–7

Blood coagulation and platelet function following maximal exercise: effects of beta-adrenoceptor blockade. Small M, et al. **Haemostasis** 1984;14(3):262–8

Effect of beta-adrenergic blocking agents & some related drugs on plasma & RBC cholinesterase enzyme in vitro. Alkondon M, et al. **Indian J Exp Biol** 1983 Sep;21(9):519–21

Influence of beta-adrenoceptor antagonists on spontaneous rate and on force of contraction of isolated rabbit atria. Singh KP. **Indian J Physiol Pharmacol** 1983 Oct–Dec; 27(4):311–6

Effect of the short-term beta-adrenoceptor blockade on exercise metabolism in cold weather. Lehtonen A, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 Feb;22(2):86–90

Different effects of selective and nonselective beta adrenoceptor blockade on urinary catecholamine and creatinine excretion in stress. Neftel KA, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 Feb;22(2):118–9

Effects of acute beta-adrenergic blockade on blood and muscle lactate concentration during submaximal exercise. Kaiser P, et al. **Int J Sports Med** 1983 Nov;4(4):275–7

Alpine skiing and acute beta-blockade. Karlsson J, et al. **Int J Sports Med** 1983 Aug;4(3):190–3

Effect of beta-adrenergic blockade on supramaximal exercise capacity. Schnabel A, et al. **Int J Sports Med** 1983 Nov; 4(4):278–81

Hemodynamic and metabolic responses to exercise after adrenoceptor blockade in humans. McLeod AA, et al. **J Appl Physiol** 1984 Mar;56(3):716–22

Function of canine diaphragm with hypovolemic shock and beta-adrenergic blockade. Scharf SM, et al. **J Appl Physiol** 1984 Mar;56(3):648–55

Exercise gas exchange in asthmatics after beta-adrenergic blockade. Sue DY, et al. **J Appl Physiol** 1983 Aug; 55(2):529–33

Beta-adrenoreceptor antagonists with multiple pharmacophores: persistent inhibition of rat heart adenylate cyclase. Kusiak JW, et al. **J Auton Pharmacol** 1983 Sep; 3(3):195–201

The effects of bufuralol, a beta-adrenoceptor antagonist with predominant beta 2-adrenoceptor agonistic activity, in the cat and the dog. Blaber LC, et al. **J Cardiovasc Pharmacol** 1984 Jan–Feb;6(1):165–75

Comparison of prizidilol, a new antihypertensive drug with combined arteriolar vasodilator and beta-adrenoceptor blocking actions, with hydralazine and propranolol in conscious dogs with chronic atrioventricular block. Boucher M, et al. **J Cardiovasc Pharmacol** 1983 Sep–Oct; 5(5):712–6

Effects of prolonged administration of oxprenolol on severity of ischaemic arrhythmias, enzyme leakage, infarct size, and intracellular cardiac muscle action potentials. Campbell CA, et al. **J Cardiovasc Pharmacol** 1984 May–Jun; 6(3):369–77

Cardiovascular pharmacology of ACC–9089—a novel, ultra-short-acting, beta-adrenergic receptor antagonist. Gorczynski RJ, et al. **J Cardiovasc Pharmacol** 1984 Jul–Aug;6(4):555–64

Training response in patients with coronary artery disease receiving beta-adrenergic blocking drugs with or without partial agonist activity. Horgan JH, et al. **J Cardiovasc Pharmacol** 1983 Nov–Dec;5(6):1019–24

Blood pressure variability in ambulatory hypertensive patients: effect of beta-blocking agents and/or diuretics. Jacot-des-Combes B, et al. **J Cardiovasc Pharmacol** 1984 Mar–Apr;6(2):263–6

Exercise-induced increase in plasma arachidonic acid and thromboxane B2 in healthy men: effect of beta-adrenergic blockade. Laustiola K, et al. **J Cardiovasc Pharmacol** 1984 May–Jun;6(3):449–54

Acute hemodynamic effects of bufuralol: a beta-adrenoceptor blocking drug with vasodilatory effects. Pfisterer M, et al. **J Cardiovasc Pharmacol** 1984 May–Jun; 6(3):417–22

Alpha-beta blockade, left ventricular filling pressure and cardiac preload. Silke B. **J Cardiovasc Pharmacol** 1984 Jul–Aug;6(4):732–3

Effect of beta-blocking drugs on red cell adhesive and rheological properties. Boogaerts MA, et al. **J Lab Clin Med** 1983 Dec;102(6):899–908

Extrarenal potassium transport and the beta 2-adrenergic system. Sugarman A, et al. **J Lab Clin Med** 1984 Jun; 103(6):912–21

A comparison of the selectivity of carazolol with that of other beta 2-selective adrenoceptor antagonists. Costin B, et al. **J Pharm Pharmacol** 1983 Sep;35(9):590–2

New approaches to beta-blockers in clinical pharmacology. International symposium, Monte Carlo, October 8–9th 1982. **J Pharmacol** 1983;14 Suppl 2:9–220 **(Eng, Mul)**

The effects of beta-adrenoceptor blocking drugs on non-esterified fatty acid release from adipocytes. Harms HH. **J Pharmacol** 1983;14 Suppl 2:209–15

On the antihypertensive mechanisms of beta-adrenoceptor antagonists in relation to intrinsic sympathomimetic activity, cardioselectivity and hydrophilicity. Man in't Veld AJ, et al. **J Pharmacol** 1983;14 Suppl 2:69–104

Beta-adrenoceptor blocking agents induce different counter-regulatory responses to insulin. Schlüter KJ, et al. **J Pharmacol** 1983;14 Suppl 2:49–60

Haemodynamic effects of intravenous beta-blocking drugs in coronary heart disease. Taylor SH, et al. **J Pharmacol** 1983;14 Suppl 2:157–67

Bromoacetylalprenololmenthane: a potent irreversible antagonist of beta adrenergic elicited protein exocytosis in rat parotid cells. Kousvelari EE, et al.

J Pharmacol Exp Ther 1983 Oct;227(1):238–43

Conjugates of catecholamines. IV. In vitro and in vivo pharmacological activity of monodisperse oligopeptide conjugates. Rosenkranz RP, et al.
J Pharmacol Exp Ther 1983 Nov;227(2):267–73

Comparative actions of dihydropyridine slow channel calcium blocking agents in conscious dogs: systemic and coronary hemodynamics with and without combined beta adrenergic blockade. Warltier DC, et al.
J Pharmacol Exp Ther 1984 Aug;230(2):367–75

Analysis of dose–response curves and calculation of agonist dissociation constants using a weighted nonlinear curve fitting program. McPherson GA, et al.
J Pharmacol Methods 1983 Dec;10(4):231–41

The effects of beta-blocking agents on mitochondrial function in ischemic myocardium. Nagai S, et al.
Jpn Circ J 1984 Jan;48(1):32–6

Studies on concurrent alpha- and beta-adrenoceptor blocking action of S-596 (arotinolol). Takekoshi N, et al.
Jpn Heart J 1983 Nov;24(6):925–33

Inhibition of the positive inotropic effect of dopamine by YM-09538 with alpha- and beta-adrenoceptor antagonistic action in the rabbit papillary muscle. Endoh M.
Jpn J Pharmacol 1983 Aug;33(4):897–9

Difference between adrenergic beta 1- and beta 2-blocking effects on isoproterenol-induced Ca spike suppression in guinea-pig taenia coli. Kimura I, et al.
Jpn J Pharmacol 1983 Dec;33(6):1271–8

Beta-receptor blocking potencies of the three newly synthesized beta-adrenergic antagonists (S-596, K-351, N-696) as assessed with the radioligand binding assay method in rat cardiac muscle membrane treated with neuraminidase. Nagatomo T, et al. **Jpn J Pharmacol** 1984 Feb;34(2):249–54

Stellate ganglion stimulation with alpha and beta adrenergic blockade: effect on lung lipids and compliance in cats. Crittenden DJ, et al. **Life Sci** 1984 Feb 6;34(6):561–7

Analysis of the responses of rainbow lizard (Agama agama Linn.). Isolated portal vein to electrical stimulation and to drugs. Ojewole JA.
Methods Find Exp Clin Pharmacol 1983 Dec;5(10):673–84

Plasma insulin levels and beta-adrenoceptor antagonists. Relevance of the steric configuration of beta-adrenoceptor antagonists to their effect on glucose tolerance. Beck A, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1983 Sep; 324(1):46–9

Role of beta 2-adrenoceptor blockade and circulating adrenaline level for the pressor responses to beta-adrenoceptor blocking drugs in rats. Himori N, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Apr; 325(4):314–9

Effects of beta-adrenoceptor blocking agents of N-tertiary butyl derivatives on maximum upstroke velocity of action potential in guinea-pig papillary muscles. Sada H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1983 Sep; 324(1):50–7

Endothelial cells contain beta adrenoceptors. Steinberg SF, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Apr; 325(4):310–3

Metabolic consequences of beta-adrenergic receptor blockade for the acutely ischemic dog myocardium. Western G, et al. **Nuklearmedizin** 1984 Feb;23(1):35–40

Influence of antiglaucoma drugs on axonal transport in the optic nerve. Krejčí L, et al. **Ophthalmic Res** 1983; 15(6):334–6

Antimicrobial activity of topical beta-adrenergic blocking agents. Takahashi N, et al. **Ophthalmic Res** 1983;15(6):277–9

Antifibrillatory properties of the beta-adrenergic receptor antagonists, nadolol, sotalol, atenolol and propranolol, in the anesthetized dog. Patterson E, et al. **Pharmacology** 1984; 28(3):121–9

Effect of beta-adrenergic drugs on LH, FSH, and growth hormone (GH) secretion in conscious, ovariectomized rats. Huang XY, et al. **Proc Soc Exp Biol Med** 1983 Nov; 174(2):244–8

Influence of propranolol, pindolol, practolol and talinolol on arachidonic acid (AA)- and U-46619-induced aggregation and on AA-induced thromboxane A2 formation in platelets. Heinroth I, et al.
Prostaglandins Leukotrienes Med 1983 Oct;12(2):189–206

Beta-adrenergic blocking drugs and renal function. Walters L, et al. **S Afr Med J** 1983 Oct 1;64(15):572–3

Regional myocardial tissue blood flow during sequential beta 1- and beta 2-adrenergic blockade in cat hearts with acute ischaemia. Grong K, et al. **Scand J Clin Lab Invest** 1983 Dec;43(8):647–55

The effect of alpha- and beta-receptor blocking agents on gastric acid secretion in guinea-pigs. Gauperaa T, et al. **Scand J Gastroenterol** 1983 Mar;18(2):313–6

Postvagotomy acid secretion and mucosal blood flow during beta-adrenoceptor stimulation and universal chemical sympathectomy in dogs. Hovendal CP.
Scand J Gastroenterol 1983 Jan;18(1):97–102

Influence of beta blockade on gastric acid secretion and changes in gastric mucosal blood flow before and after parietal cell vagotomy in dogs and man. Hovendal CP, et al. **Scand J Gastroenterol** 1983 Jan;18(1):91–6

Adrenergic control of rat gastric somatostatin and gastrin release. Koop H, et al. **Scand J Gastroenterol** 1983 Jan; 18(1):65–71

The effect of alpha- and beta-adrenergic agonists and blockers on postprandial pancreatic polypeptide release in dogs. Linnestad P, et al. **Scand J Gastroenterol** 1983 Jan; 18(1):87–90

Adrenergic influence on pentagastrin and bethanechol stimulated gastric acid secretion in dogs with gastric fistula. Hovendal C, et al. **Scand J Gastroenterol [Suppl]** 1984; 89:19–22

Effect of some beta-adrenergic blocking agents on tissue guanylate cyclase and cyclic nucleotides in the rat. Okine LK, et al. **Toxicol Lett** 1983 Sep;18(3):235–40

[Stereoselectivity in the action of drugs. A source of misconceptions in the field of pharmacotherapy] Ariëns EJ. **Ned Tijdschr Geneeskd** 1984 Mar 3;128(9):404–7 **(Dut)**

[Evaluation of the acute hemodynamic effects of butofilolol in the arterial hypertensive patient. Comparison with propranolol and atenolol] Lekieffre J, et al.
Ann Cardiol Angeiol (Paris) 1984 Jul–Sep;33(5):339–43 (Eng. Abstr.) **(Fre)**

[Peripheral vascular effects of metoprolol, pindolol and propranolol in hypertensive patients] Joyal F, et al.
J Pharmacol 1983;14 Suppl 2:107–15 (Eng. Abstr.) **(Fre)**

[Comparative effects on renal function of 4 beta-blockers injected intravenously] Pozet N, et al. **J Pharmacol** 1983; 14 Suppl 2:133–41 (Eng. Abstr.) **(Fre)**

[Beta-blockers and renal function] Fillastre JP, et al.
LARC Med 1983 Aug–Sep;3(7):508, 511–2 **(Fre)**

[Beta-blockers] Giudicelli JF, et al. **Sem Hop Paris** 1983 Sep 29;59(34):2395–426 (235 ref.) **(Fre)**

[Electrical properties of a new beta-blocker agent, tertatolol, in man] Touboul P, et al. **Therapie** 1983 Jul–Aug; 38(4):371–8 (Eng. Abstr.) **(Fre)**

[Stereospecificity of beta-blocker effects on the glaucomatous eye] Krieglstein GK, et al.
Fortschr Ophthalmol 1984;81(2):127–9 (Eng. Abstr.) **(Ger)**

[Blood pressure during isometric and dynamic exercise under long-term antihypertensive treatment with beta receptor blockaders and diuretics] Middeke M, et al.
Klin Wochenschr 1983 Dec 15;61(24):1241–8 (Eng. Abstr.) **(Ger)**

[Continuous intra-arterial pressure recording for 24 hours under basal conditions and during therapy with prizidilol, a vasodilating and beta-blocking drug] Fariello R, et al.
Boll Soc Ital Cardiol 1983 Feb;28(2):127–31 (Eng. Abstr.) **(Ita)**

[Effect of acebutolol, an adrenergic beta receptor blocker, on plasma free fatty acids fluctuations caused by isoproterenol administration] Nishihara K, et al.
Kokyu To Junkan 1983 Nov;31(11):1167–71 **(Jpn)**

[Morphological changes in the ciliary epithelium after instillation of 1% befunolol (beta-adrenergic blocker)] Hiramatsu K, et al. **Nippon Ganka Gakkai Zasshi** 1984 Feb; 88(2):251–65 (Eng. Abstr.) **(Jpn)**

[Morphological studies of the effect of beta-blocker in drug induced ocular hypertension. 2. Ocular hypertension following the topical application of prostaglandin E2] Nishimura T, et al. **Nippon Ganka Gakkai Zasshi** 1983; 87(10):818–26 (Eng. Abstr.) **(Jpn)**

[Corneal changes following topical administration of beta-blocking ophthalmic solution. Electron microscopic histochemical studies of Na+, K+-ATPase activities] Shimizu N, et al. **Nippon Ganka Gakkai Zasshi** 1983; 87(10):838–49 (Eng. Abstr.) **(Jpn)**

[Effects of several beta-blockers and penfluzide, a thiazide diuretic, on the blood pressure, urinary water output and excretion of Na and K in DOCA-saline-induced hypertension in rats] Sugai T, et al.
Nippon Yakurigaku Zasshi 1983 Sep;82(3):181–90 (Eng. Abstr.) **(Jpn)**

[Role of transmembrane ion currents in the mechanism of action of beta-adrenoblockers] Porotikov VI, et al.
Biull Eksp Biol Med 1984 Jun;97(6):677–9 (Eng. Abstr.) **(Rus)**

[Experimental study of the interaction of nonsteroidal anti-inflammatory agents—voltaren and acetylsalicylic acid—with beta-adrenoblockers] Siubaev RD, et al.
Biull Eksp Biol Med 1984 Jul;97(7):48–51 (Eng. Abstr.) **(Rus)**

[Effect of liposome-entrapped phenylephrine on cardio- and hemodynamics during adrenoreceptor blockade] Stefanov AV, et al. **Fiziol Zh** 1984 Mar–Apr;30(2):185–91 (Eng. Abstr.) **(Rus)**

[Action of obsidan on platelet hemostasis in patients with atrial fibrillation] Antiuf'ev VF, et al. **Klin Med (Mosk)** 1983 Oct;61(10):64–7 **(Rus)**

[The role of the sympathomimetic activity of beta-adrenergic blockaders in the treatment of patients with chronic ischemic heart disease] Ol'binskaia LI, et al. **Ter Arkh** 1983; 55(9):35–40 (Eng. Abstr.) **(Rus)**

[Effect of tricyclic antidepressants on automatism induced in the isolated rat ventricle: comparison of adrenergic beta-blockers and calcium antagonists] Laorden ML, et al. **Arch Farmacol Toxicol** 1983 Dec;9(3):243–50 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Insect sting anaphylaxis and beta-adrenergic blockade: a relative contraindication. Awai LE, et al. **Ann Allergy** 1984 Jul;53(1):48–9

Isometric exercise before and after beta-receptor blockade with propranolol and mepindolol sulfate. Bonelli J.
Int J Clin Pharmacol Ther Toxicol 1984 Apr;22(4):189–93

Evidence that presynaptic beta-receptors account for the low affinity site in Schild plots for beta-adrenergic antagonists in the field stimulated rat vas deferens. Lotti VJ.
Neurosci Lett 1983 Oct 31;41(1–2):195–7

POISONING

Glucagon therapy for beta-blocker overdose. Peterson CD, et al. **Drug Intell Clin Pharm** 1984 May;18(5):394–8

[Fatal suicidal poisoning with the beta receptor blocker talinolol (Cordanum) in multiple-drug addiction] Häusser D. **Z Arztl Fortbild (Jena)** 1983;77(22):943–4 **(Ger)**

[Cordanum poisoning] Khodasevich AP, et al.
Sud Med Ekspert 1983 Jul–Sep;26(3):39–41 (32 ref.) **(Rus)**

THERAPEUTIC USE

Beta-blockers versus thiazide diuretics in the first line drug treatment of hypertension. Beevers DG, et al.
Acta Med Scand [Suppl] 1983;686:75–80

Beta-blockers in isoproterenol-enhanced essential tremor. Teräväinen H. **Acta Neurol Scand** 1984 Feb;69(2):125–7

Prevention of post-hysterectomy urinary retention by alpha-adrenergic blocker. Livne PM, et al.
Acta Obstet Gynecol Scand 1983;62(4):337–40

Fetal heart rate during treatment of maternal hypertension with beta-adrenergic antagonists. A preliminary report. Ingemarsson I, et al. **Acta Obstet Gynecol Scand [Suppl]** 1984;118:95–7

Drug selection in the treatment of pregnancy hypertension. A survey. Liedholm H, et al.
Acta Obstet Gynecol Scand [Suppl] 1984;118:49–55

Clinical trials of adrenergic antagonists in pregnancy hypertension. Sandström B.
Acta Obstet Gynecol Scand [Suppl] 1984;118:57–60

Intraerythrocyte sodium content and transmembrane sodium flux in hypertensive patients treated with diuretics or beta-adrenoceptorblockers. Herlitz H, et al.
Acta Pharmacol Toxicol (Copenh) 1984;54 Suppl 1:37–42

Coronary heart disease mortality/morbidity and risk in blacks. I: Clinical manifestations and diagnostic criteria: the experience with the Beta Blocker Heart Attack Trial. Haywood LJ. **Am Heart J** 1984 Sep;108(3 Pt 2):787–93

Effects of beta-adrenergic inhibition on scar formation after myocardial infarction. Ravindranathan MP, et al.
Am Heart J 1984 Jul;108(1):25–30

Prevention of myocardial reinfarction and of sudden death in survivors of acute myocardial infarction: role of prophylactic beta-adrenoceptor blockade. Singh BN, et al. **Am Heart J** 1984 Jan;107(1):189–200 (66 ref.)

Influence of beta-adrenergic blockade on the hemodynamic effects of physical training in patients with ischemic heart disease. Vanhees L, et al. **Am Heart J** 1984 Aug; 108(2):270–5

Use of beta-blocking agents to reduce the stress of presentation at an international cardiology meeting: results of a survey. Gossard D, et al. **Am J Cardiol** 1984 Jul 1; 54(1):240–1

Basis for cardiovascular therapy with beta-blocking agents. Opie LH. **Am J Cardiol** 1983 Nov 10;52(9):2D–9D (61 ref.)

Chronic beta blockade therapy in patients after myocardial infarction. Pratt CM, et al. **Am J Cardiol** 1983 Oct 1; 52(7):661–4

Bucindolol, a beta-adrenoceptor blocker with vasodilatory action: its effect in systemic hypertension. Rotmensch HH, et al. **Am J Cardiol** 1984 Aug 1;54(3):353–6

Beta blockers in hypertension. Thadani U. **Am J Cardiol** 1983 Nov 10;52(9):10D–15D (140 ref.)

Systolic time intervals in coronary heart disease at rest and during exercise: effect of physical training with and without beta blockade. Vanhees L, et al. **Am J Cardiol** 1984 Sep 1;54(6):508–13

Identification of patients who do not require beta antagonists after myocardial infarction. Ahumada GG. **Am J Med** 1984 May;76(5):900–4 (21 ref.)

Effects of alpha- and beta-blocker antihypertensive therapy on blood lipids: a multicenter trial. Goto Y. **Am J Med** 1984 Feb 27;76(2A):72–8

Effect of alpha- and beta-blocker therapy on blood lipids: European experience. Leren P. **Am J Med** 1984 Feb 27; 76(2A):67–71 (8 ref.)

Cardiovascular adjustment to antiadrenergic agents. Pegram BL, et al. **Am J Med** 1983 Sep 26;75(3A):94–9 (32 ref.)

Effects of beta-blockade on regional myocardial flow and function during exercise. Matsuzaki M, et al.
Am J Physiol 1984 Jul;247(1 Pt 2):H52–60

Beta-blocking drugs for arrhythmias, hypertension, and ischemic heart disease. Johns VJ. **Am J Surg** 1984 Jun; 147(6):725–30 (61 ref.)

Beta-adrenoceptor blockade and anaesthesia for thyroidectomy. Hamilton WF, et al. **Anaesthesia** 1984 Apr; 39(4):335–42 (39 ref.)

The effects of beta adrenoceptor blockade with atenolol on myocardial cellular and subcellular hypertrophy in spontaneously hypertensive rats. Lauva IK, et al.
Anat Rec 1983 Dec;207(4):615–22

Heart block after coronary artery bypass—effect of chronic administration of calcium-entry blockers and beta-blockers. Henling CE, et al. **Anesth Analg** 1984 May; 63(5):515–20

Treatment of Raynaud's syndrome with adrenergic alpha-blockade with or without beta-blockade. Cleophas

TJ, et al. **Angiology** 1984 Jan;35(1):29–37

How do beta–blockers protect after myocardial infarction? [editorial] **Bigger JT Jr, et al. Ann Intern Med** 1984 Aug; 101(2):256–8

Beta–blocker effectiveness post infarction: an antiarrhythmic or antiischemic effect. Hjalmarson A. **Ann NY Acad Sci** 1984;427:101–11 (32 ref.)

Dose related efficacy of betaxolol in combination with nitroglycerin in patients with angina pectoris: a double blind cross–over study. Stroobandt R, et al. **Arch Int Pharmacodyn Ther** 1984 Feb;267(2):299–309

Nadolol and antidepressant response [letter] Faber R. **Biol Psychiatry** 1983 Nov;18(11):1338–9

Pharmacological observations in patients with nodoventricular pathways. Strasberg B, et al. **Br Heart J** 1984 Jan;51(1):84–90

Antihypertensive and renal haemodynamic effects of atenolol and nadolol in elderly hypertensive patients. O'Callaghan WG, et al. **Br J Clin Pharmacol** 1983 Oct;16(4):417–21

Diacetyl nadolol: 3–month ocular hypotensive effect in glaucomatous eyes. Duzman E, et al. **Br J Ophthalmol** 1983 Oct;67(10):668–73

In vivo protection of normal mouse hematopoiesis by a beta 2 blocking agent during S–phase chemotherapy. Dresch C, et al. **Cancer Res** 1984 Feb;44(2):493–7

The Beta–Blocker Heart Attack Trial in perspective. Goldstein S. **Cardiology** 1983;70(5):255–62

The clinical pharmacology of beta–adrenergic blockers. Lowenthal DT. **Cardiovasc Clin** 1984;14(3):61–71

Effectiveness of antiarrhythmic agents in preventing death in ventricular fibrillation induced by isoprenaline in desoxycorticosterone–pretreated rats. Green M, et al. **Cardiovasc Res** 1983 Sep;17(9):562–7

Nadolol compared to propranolol for treating chronic stable angina pectoris. Miller LA, et al. **Chest** 1984 Aug; 86(2):189–93

Treatment of lithium–induced tremor with nadolol. Kruse JM, et al. **Clin Pharm** 1984 May–Jun;3(3):299–301

Comparison between short–term renal haemodynamic effects of propranolol and nadolol in essential hypertension: a cross–over study. Danesh BJ, et al. **Clin Sci** 1984 Aug; 67(2):243–8

Comparative review of beta–blocking agents. Jackson EA, et al. **Conn Med** 1984 Apr;48(4):213–5 (12 ref.)

Modification of blood pressure and systolic time intervals by diuretics and beta–blockers in essential hypertension. González–Gómez A, et al. **Cor Vasa** 1983;25(4):233–40

The use of beta–adrenergic blocking drugs in patients with myocardial infarction. Frishman WH, et al. **Curr Probl Cardiol** 1984 Jun;9(3):1–50 (133 ref.)

Use of beta–adrenoceptor blocking drugs in hyperthyroidism. Feely J, et al. **Drugs** 1984 May;27(5):425–46 (156 ref.)

Practical therapeutics: the use of beta–adrenergic blocking agents in African patients. Obel AO. **East Afr Med J** 1983 Aug;60(8):592–6 (21 ref.)

The role of beta blockade anno 1983. **Eur Heart J** 1983 Jul; 4 Suppl D:1–179

What is the real pharmacological rationale for beta–receptor blocking agents? Biamino G, et al. **Eur Heart J** 1983 Jul; 4 Suppl D:137–41 (39 ref.)

Renal effects of beta blockade in essential hypertension. de Leeuw PW, et al. **Eur Heart J** 1983 Jul;4 Suppl D:13–7 (18 ref.)

The use of beta blockers following myocardial infarction—doubts. Hampton JR. **Eur Heart J** 1983 Jul;4 Suppl D:151–7

beta–Blockade and acute myocardial infarction. Lie KI, et al. **Eur Heart J** 1983 Jul;4 Suppl D:167–71

Multicenter beta–blocker trials: certainties. Lubsen J. **Eur Heart J** 1983 Jul;4 Suppl D:147–9

Central haemodynamic effects of beta blockers in hypertension. A comparison between atenolol, metoprolol, timolol, penbutolol, alprenolol pindolol and bunitrolol. Lund–Johansen P. **Eur Heart J** 1983 Jul;4 Suppl D:1–12

Haemodynamic consequences of intrinsic sympathomimetic activity and cardioselectivity in beta–blocker therapy for hypertension. Man in 't Veld AJ, et al. **Eur Heart J** 1983 Jul;4 Suppl D:31–41

Mechanisms of antihypertensive action of beta–adrenergic blocking drugs: evidence against potentiation of baroreflexes. Parati G, et al. **Eur Heart J** 1983 Jul;4 Suppl D:19–25

The effects of beta–blocker therapy on diurnal variation of blood pressure. Raftery EB. **Eur Heart J** 1983 Jul;4 Suppl D:61–4

Felodipine—a new vasodilator, in addition to beta–receptor blockade in hypertension. Elmfeldt D, et al. **Eur J Clin Pharmacol** 1983;25(5):571–5

Prizidilol, a combined vasodilatory and beta–adrenoceptor blocking drug, in primary hypertension. A long–term efficacy, tolerance and pharmacokinetic study. Karlberg BE, et al. **Eur J Clin Pharmacol** 1983;25(2):179–86

Propranolol vs metoprolol vs labetalol: a comparative study in essential hypertension. Kubik MM, et al. **Eur J Clin Pharmacol** 1984;26(1):1–6

Captopril combined with minoxidil, beta–blocker and furosemide in the treatment of refractory hypertension. Seedat YK, et al. **Eur J Clin Pharmacol** 1983;25(1):9–11

Pafenolol, a new beta 1–selective blocking agent, in mild hypertension. Result of an inpatient study and a subsequent outpatient follow–up. Sigurdsson JA, et al. **Eur J Clin Pharmacol** 1984;26(5):549–53

Effects of beta 1–adrenoceptor stimulation and blockade studied in asthmatic airways. Löfdahl CG, et al. **Eur J Respir Dis [Suppl]** 1984;135:151–2

Selectivity of beta–adrenergic stimulating and blocking agents. Löfdahl CG, et al. **Eur J Respir Dis [Suppl]** 1984; 136:101–13

BAAM: a better beta–blocker—and more? Zoler ML. **Geriatrics** 1984 Jan;39(1):106, 9

Prophylactic use of beta–adrenergic blockade in survivors of myocardial infarction. Rotmensch HH, et al. **Heart Lung** 1984 Jul;13(4):366–71

Beta–blockers in psychiatry. Dominguez RA, et al. **Hosp Community Psychiatry** 1984 Jun;35(6):565–6, 568

Adrenergic vasoconstriction as a cause of inadequate hypotensive response to beta–adrenergic blockade. Birkenhäger WH, et al. **Hypertension** 1983 Sep–Oct;5(5 Pt 2):III31–5

Age and cardiovascular response adaptation. Determinants of an antihypertensive treatment concept primarily based on beta–blockers and calcium entry blockers. Bühler FR. **Hypertension** 1983 Sep–Oct;5(5 Pt 2):III94–100

Role of cardiac factors in the initial hypotensive action by beta–adrenoreceptor blocking agents. Colfer HT, et al. **Hypertension** 1984 Mar–Apr;6(2 Pt 1):145–51

Assessment of the contributions of autoregulatory mechanisms to the antihypertensive actions of beta–adrenergic therapy. Cowley AW Jr. **Hypertension** 1984 Mar–Apr;6(2 Pt 1):137–9

Beta–blockers, autoregulation, and experimental design. Korner PI. **Hypertension** 1984 Mar–Apr;6(2 Pt 1):140–4

Should beta adrenergic blocking drugs be used in congestive cardiomyopathy? Reddy KS, et al. **Indian J Chest Dis Allied Sci** 1983 Jan–Mar;25:49–53

Dose–response relationship of prizidilol hydrochloride (SK&F 92657): a comparison between acute and chronic effects in patients with essential hypertension. Pedrinelli R, et al. **Int J Clin Pharmacol Res** 1984;4(2):155–63

Antiarrhythmic activity of esmolol (ASL–8052)—a novel ultra–short acting beta–adrenoreceptor blocking agent. Klein G, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 Feb;22(2):112–7

Hypercalcaemia due to thyrotoxicosis. Hayes JR, et al. **Ir J Med Sci** 1983 Nov;152(11):422–3

Nadolol and supraventricular tachycardia: an electrophysiologic study. Chang MS, et al. **J Am Coll Cardiol** 1983 Nov;2(5):894–903

Oral beta–adrenergic blockade with metoprolol in chronic severe dilated cardiomyopathy. Currie PJ, et al. **J Am Coll Cardiol** 1984 Jan;3(1):203–9

Antihypertensive effect of prizidilol. Andrén L, et al. **J Cardiovasc Pharmacol** 1983 Sep–Oct;5(5):898–900

Diuretics in long–term treatment of hypertension: a comparison to beta–blockers. Berglund G. **J Cardiovasc Pharmacol** 1984;6 Suppl 1:S256–9 (19 ref.)

Clinical pharmacology and pharmacokinetics of prizidilol in hypertensive patients. Chaignon M, et al. **J Cardiovasc Pharmacol** 1983 Nov–Dec;5(6):1068–73

Antifibrillatory actions of d,l–nadolol in a conscious canine model of sudden coronary death. Patterson E, et al. **J Cardiovasc Pharmacol** 1983 Sep–Oct;5(5):737–44

Beta blockade in the management of thyrotoxicosis. Wilkinson R. **J Clin Hosp Pharm** 1983 Dec;8(4):323–32 (62 ref.)

Medroxalol combined with hydrochlorothiazide in the treatment of hypertension. Vlachakis ND, et al. **J Clin Pharmacol** 1983 Oct;23(10):419–27

Use of a long acting peripheral beta blocker, nadolol, in panic disorder [letter] Tollefson G. **J Clin Psychopharmacol** 1984 Jun;4(3):170–1

A beta–blocker as anxiolytic and haemostatic in tonsillectomy. Basjrah R, et al. **J Int Med Res** 1983; 11(5):263–8

Protective effects of different beta–blocking agents against electroshock lethality in mice. Pérez–Ojeda E, et al. **J Pharmacol** 1983 Jul–Sep;14(3):303–9

Beta–adrenoceptor blocking drugs and the elderly. Wilkins MR, et al. **J R Coll Physicians Lond** 1984 Jan;18(1):42–5 (51 ref.)

Essential hypertension. The behaviour of the haemorheological determinants and their trends during beta–blocker treatment. Caimi G, et al. **Jpn Heart J** 1983 Sep;24(5):723–9

Reduction in cardiac death and reinfarction rates caused by beta–blockers after acute myocardial infarction. Ribeiro LG, et al. **Kardiol Pol** 1983;26(4):281–6

Impaired blood pressure response to norepinephrine in a case of insulin–dependent diabetes mellitus—improvement with a beta–adrenergic antagonist. Schusdziarra V, et al. **Klin Wochenschr** 1984 Apr 16;62(8):366–70

Beta adrenoreceptor antagonists in essential tremor [letter] **Lancet** 1984 Apr 14;1(8381):856–7

Beta–adrenoreceptor antagonists in essential tremor [editorial] **Lancet** 1983 Nov 26;2(8361):1234–5

Beta–adrenergic blockers for anxiety. **Med Lett Drugs Ther** 1984 Jun 22;26(664):61–2

Status of beta blocker therapy in acute myocardial infarction. Norris RM. **Methods Find Exp Clin Pharmacol** 1984 Apr; 6(4):219–24 (43 ref.)

The role of pharmacotherapy in secondary prevention of myocardial infarction and death. Gorlin R, et al. **Mt Sinai J Med (NY)** 1984 Jun;51(3):229–36

Beta–adrenergic blockade for survivors of acute myocardial infarction [letter] **N Engl J Med** 1984 Sep 6;311(10):670–1

Beta–adrenergic blockade for survivors of acute myocardial infarction. Frishman WH, et al. **N Engl J Med** 1984 Mar 29;310(13):830–7 (96 ref.)

Beta–adrenergic–antagonist therapy for hyperthyroid Graves' disease [editorial] Utiger RD. **N Engl J Med** 1984 Jun 14;310(24):1597–8

Beta–adrenergic blocking drugs in the treatment of hypertension. Scriven AJ, et al. **Pharmacol Ther** 1983; 20(1):95–131 (330 ref.)

Beta–blockers in the secondary prevention of myocardial infarction: a review of clinical trials of 12 months or more duration. Decorde P. **Pharmatherapeutica** 1984;3(8):515–25

Thiazides, beta blockers and lipoproteins. Ballantyne D, et al. **Postgrad Med J** 1983 Aug;59(694):483–8 (43 ref.)

Practical aspects of the use of beta–blockers in anxiety stress: morbid anxiety. Hallstrom C. **Postgrad Med J** 1984;60 Suppl 2:26–8

Practical aspects of the use of beta–blockers in anxiety states: situational anxiety. James IM. **Postgrad Med J** 1984;60 Suppl 2:19–25

Haemodynamic consequences of intrinsic sympathomimetic activity in relation to changes in plasma renin activity and noradrenaline during beta–blocker therapy for hypertension. Man in't Veld AJ, et al. **Postgrad Med J** 1983;59 Suppl 3:140–58 (217 ref.)

Beta–blockade in anxiety. Peet M. **Postgrad Med J** 1984;60 Suppl 2:16–8

Practical experience of beta–blockade in migraine: a personal view. Steiner TJ, et al. **Postgrad Med J** 1984;60 Suppl 2:56–60

Beta–blocking drugs in migraine. Turner P. **Postgrad Med J** 1984;60 Suppl 2:51–5

Beta–blockers in the prevention of myocardial infarction. Hampton JR. **Practitioner** 1984 Jan;228(1387):55–63

Use of calcium blockers and beta blockers for treatment of coronary disease. Horwitz LD. **Proc Annu Meet Med Sect Am Counc Life Insur** 1983;:7–14

Prorenin and beta–blockade in hypertension. McKenna F, et al. **Proc Eur Dial Transplant Assoc** 1983;20:566–71

[Influencing the prognosis of patients after myocardial infarct with the long–term administration of beta blockers] Málek I. **Cas Lek Cesk** 1983 Nov 18;122(46):1419–24 (Eng. Abstr.) (Cze)

[Use of beta–blockers in the secondary prevention of acute myocardial infarcts. Status and recomendations] Jurgensen HJ. **Ugeskr Laeger** 1984 Mar 19;146(12):863–8 (Eng. Abstr.) (Dan)

[Beta blockade after myocardial infarction?] Pedersen OL, et al. **Ugeskr Laeger** 1983 Sep 26;145(39):3037–8 (Dan)

[Beta blockers in psychiatric disorders] Rimón R, et al. **Duodecim** 1984;100(7):402–10 (Eng. Abstr.) (Fin)

[Secondary prevention of myocardial infarct with beta blockers] Vacheron A, et al. **J Pharmacol** 1983;14 Suppl 2:169–75 (Eng. Abstr.) (Fre)

[Evaluation of 6–years' use of beta blocking agents in the treatment of arterial hypertension in pregnancy (143 case reports recorded between May 1976 and December 1982)] Monnier JC, et al. **LARC Med** 1984 Feb;4(2):61–6 (Eng. Abstr.) (Fre)

[Beta–blockers in gastroenterology and hepatology] Malè PJ. **Rev Med Suisse Romande** 1984 Mar;104(3):203–6 (Fre)

[Can beta blockers prevent gastrointestinal bleeding from varices in cirrhotic patients?] Malè PJ. **Schweiz Rundsch Med Prax** 1984 Jun 26;73(26):815–6 (Fre)

[Control of blood sugar and beta blockers in the diabetic patient] Albert J, et al. **Sem Hop Paris** 1983 Nov 17; 59(42):2939–43 (Eng. Abstr.) (Fre)

[Beta–blockers and secondary prevention after myocardial infarction] Kher A, et al. **Therapie** 1984 Mar–Apr; 39(2):189–96 (Eng. Abstr.) (Fre)

[Secondary prevention of myocardial infarction using anti–arrhythmia agents and beta–receptor blockers] Mösslacher H. **Acta Med Austriaca** 1984;11(1):1–8 (Eng. Abstr.) (Ger)

[Therapeutic problems in hyperkinetic heart syndrome] Rameis H, et al. **Acta Med Austriaca** 1984;11(1):17–22 (Eng. Abstr.) (Ger)

[Indications and contraindications of beta blockaders in the treatment of glaucoma] Bleckmann H, et al. **Dtsch Med Wochenschr** 1984 Feb 3;109(5):180–3 (Eng. Abstr.) (Ger)

[Beta receptor blockers and calcium antagonists in coronary disease. Differential therapeutic aspects] Delius W. **Dtsch Med Wochenschr** 1983 Jul 29;108(30):1154–8 (Ger)

[Additional experience with the beta blocker befunolol (Glaukonex) in open–angle glaucoma over a period of 1 year] Merté HJ, et al. **Klin Monatsbl Augenheilkd** 1984 Apr; 184(4):316–7 (Eng. Abstr.) (Ger)

[Improved prognosis using beta blockers after myocardial infarct?] Weisswange A. **Lebensversicherungsmedizin** 1984 Jan 1;36(1):14–9 (Eng. Abstr.) (Ger)

[Effect of 8 week beta blocker therapy on parameters of circulation and lipid metabolism] Hagel F, et al. **Med Welt** 1983 Dec 2;34(48):1370–2 (Ger)

[Beta–blockers in geriatrics. Results of a symposium on Tenormin] **MMW** 1983 Oct 21;(42 Suppl):3–22 (Ger)

[A beta blockader for every postinfarct patient? (editorial)] Meister W. **MMW** 1983 Nov 18;125(46):1055–6 (Ger)

[Which beta–blockader to be given when? Is there a differential therapy with beta–blockaders?] Stumpe KO.

MMW 1983 Nov 11;125(45):1029–32 (Eng. Abstr.) (Ger)
[Drug therapy of angina pectoris] Burkart F. Schweiz Med Wochenschr 1983 Dec 17;113(50):1898–903 (18 ref.) (Eng. Abstr.) (Ger)
[Treatment of myocardial infarct with anticoagulants, thrombolytics, inhibitors of platelet aggregation and beta receptor blockaders] Thiele R. Z Arztl Fortbild (Jena) 1984; 78(5):167–71 (Ger)
[Length of effect of beta-blockers in hyperkinetic heart syndrome] Paulsen HF, et al. ZFA (Stuttgart) 1983 Jul 20; 59(20):1149–54 (Ger)
[Beta-blockers in acute myocardial infarct] Wirtzfeld A. Clin Ter 1983 Sep 30;106(6):419–27 (Eng. Abstr.) (Ita)
[Beta-blockers in the therapy of myocardial infarct] Rossi P. G Ital Cardiol 1983;13(6):462–71 (Ita)
[Clinical study of a new beta-adrenergic receptor blocking substance, indenolol] Cirino D, et al. Minerva Cardioangiol 1983 Nov;31(11):671–6 (Eng. Abstr.) (Ita)
[alpha and beta Blockaders for the management of hypertension] Tsukiyama H, et al. Nippon Rinsho 1984 Feb; 42(2):416–21 (Jpn)
[Comparison of clinical usefulness of beta-blocker in aged and younger essential hypertension. Double blind trial using bunitrolol] Kuramoto K, et al. Nippon Ronen Igakkai Zasshi 1984 Jan;21(1):20–6 (Eng. Abstr.) (Jpn)
[Antihypertensive effect of arotinolol (S-596), a new adrenergic beta blocking agent, on experimental hypertension] Hara Y, et al. Nippon Yakurigaku Zasshi 1983 Aug;82(2):103–16 (Eng. Abstr.) (Jpn)
[Abnormal ECG and adrenaline-induced arrhythmias in restraint and water immersion stressed mice and effects of oxprenolol] Kita T, et al. Nippon Yakurigaku Zasshi 1984 May;83(5):373–82 (Eng. Abstr.) (Jpn)
[Use of nadolol in coronary disease] Tkaczewski W, et al. Kardiol Pol 1983;26(3):215–9 (Eng. Abstr.) (Pol)
[Effect of beta-adrenolytic drugs on hepatic clearance of antipyrine] Adamska-Dyniewska H, et al. Pol Arch Med Wewn 1984 Feb;71(2):71–7 (Eng. Abstr.) (Pol)
[Beta-adrenolytic drugs and arterial hypertension (2 decades of experience)] Sznajderman M. Pol Tyg Lek 1983 Dec 19–26;38(51–52):1653–7 (Pol)
[Treatment of gastroduodenal ulcer with inhibitors of beta-adrenergic and gastric sensory receptors. Experimental and clinical study with the 'Proxizin' preparation] Banciu T, et al. Rev Med Interna [Med Interna] 1983 Mar–Apr;35(2):153–66 (Eng. Abstr.) (Rum)
[Effect of beta-adrenoblockers on prostaglandin-induced ocular hypertension in rabbits] Ermakova VN. Biull Eksp Biol Med 1983 Oct;96(10):64–6 (Eng. Abstr.) (Rus)
[Effect of preliminary blockade of alpha- and beta-adrenoreceptors on stress-induced disorders of myocardial relaxation and contractile functions] Pahennikova MG, et al. Biull Eksp Biol Med 1983 Dec; 96(12):53–7 (Eng. Abstr.) (Rus)
[Comparative evaluation of the therapeutic effect of various classes of beta-blockaders in patients with hypertension] Erina EV, et al. Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR 1983;6(2):26–34 (Eng. Abstr.) (Rus)
[Comparative study of the action of a series of new beta-adrenergic receptor blockaders in patients with effort angina] Romakov Alu, et al. Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR 1983;6(2):57–63 (Eng. Abstr.) (Rus)
[Clinical and instrumental characteristics of idiopathic hypertrophic cardiomyopathy and dynamics of echocardiographic indices as affected by beta-adrenergic blockaders] Barats SS, et al. Kardiologiia 1983 Oct; 23(10):9–12 (Eng. Abstr.) (Rus)
[Effect of adrenergic beta receptor blockaders in patients with ischemic heart disease according to the indicators of veloergometry and cardiointervalography] Duman VP, et al. Kardiologiia 1984 Feb;24(2):112–3 (Rus)
[Pharmacodynamics of the new beta blockader corgard (nadolol) in patients with stress-induced angina pectoris] Nikolenko SA, et al. Kardiologiia 1984 Feb;24(2):14–8 (Eng. Abstr.) (Rus)
[Relation between the effect of sectral and visken in stage 2 hypertension patients and the sensitivity of the nervous system] Lil'in ET, et al. Klin Med (Mosk) 1983 Sep; 61(9):85–9 (7 ref.) (Eng. Abstr.) (Rus)
[Functional state of pulmonary circulation in patients with hypertension treated with beta-adrenoblockaders] Kuznetsov NS. Vrach Delo 1983 Jul;(7):67–8 (Eng. Abstr.) (Rus)
[Usefulness of beta-blockers in the post-acute myocardial infarct patient] Shapiro M. Arch Inst Cardiol Mex 1984 Mar–Apr;54(2):117–20 (Spa)
[Metabolic effects of beta-blocking agents. Effects of their combination with diuretics in arterial hypertension] Muñoz Cidad T, et al. Rev Clin Esp 1984 Feb 15; 172(3):141–3 (Eng. Abstr.) (Spa)
[Calcium antagonists: new partners for beta-blockers in the treatment of arterial hypertension] Bühler F. Rev Esp Cardiol 1983;36(6):483–5 (Eng. Abstr.) (Spa)

TOXICITY

The ulcerogenic effect on the oesophagus of three beta-adrenoceptor antagonists, investigated in a new porcine oesophagus test model. Olovson SG, et al. Acta Pharmacol Toxicol (Copenh) 1983 Nov;53(5):385–91
Safety and efficacy of esmolol (ASL–8052: an ultrashort-acting beta-adrenergic blocking agent) for control of ventricular rate in supraventricular tachycardias. Byrd RC, et al. J Am Coll Cardiol 1984 Feb;3(2 Pt 1):394–9
[Morphological changes in the retinal pigment epithelium by a long term topical application of beta-blocker] Makiura M, et al. Nippon Ganka Gakkai Zasshi 1984 Feb; 88(2):360–70 (Eng. Abstr.) (Jpn)

ADRENERGIC BETA RECEPTORS see **RECEPTORS, ADRENERGIC, BETA**

ADRENERGIC-BLOCKING AGENTS see **SYMPATHOLYTICS**

ADRENERGIC FIBERS

Hyperadrenergic syndrome in severe tetanus: extreme rise in catecholamines responsive to labetalol. Domenighetti GM, et al. Br Med J [Clin Res] 1984 May 19; 288(6429):1483–4
Adrenergic and cholinergic innervation of the common bile duct in men and cats. Tsurumi K, et al. Gastroenterol Jpn 1983 Oct;18(5):459–67

ANALYSIS

Noradrenergic nerves in human small intestine. Distribution and ultrastructure. Llewellyn-Smith IJ, et al. Gastroenterology 1984 Sep;87(3):513–29

ANATOMY & HISTOLOGY

Adrenergic nerves in organs of the reproductive system of sexually immature pigs. Lakomy M, et al. Anat Anz 1983; 154(2):149–59
Evidence for a sympathetic component in motor branches of the facial nerve: a horseradish peroxidase study in the cat. Thomander L, et al. Brain Res 1984 Jun 3;301(2):380–3
[Adrenergic and cholinergic innervation of the normal human gallbladder and in various diseases] Grigor'ev NG. Arkh Anat Gistol Embriol 1984 Jan;86(1):59–64 (Eng. Abstr.) (Rus)

CYTOLOGY

Tracing the origin of the sympathetic afferent nerve of the ventriculus cordis by means of horseradish peroxidase method in the rat. Li GQ, et al. Acta Acad Med Wuhan 1983;3(3):147–52
Intrinsic innervation of the ewe cervix and its variations during pregnancy. Moré J, et al. Histochemistry 1984; 80(1):59–62
Reduction in noradrenergic perivascular nerve density in the left and right cerebral arteries of old rabbits. Saba H, et al. J Cereb Blood Flow Metab 1984 Jun;4(2):284–9
Nerve growth factor induces adrenergic neuronal differentiation in F9 teratocarcinoma cells. Liesi P, et al. Nature 1983 Nov 17–23;306(5940):265–7

DRUG EFFECTS

Rete mirabile of goat: in vitro effects of adrenergic stimulation. Diéguez G, et al. Brain Res 1983 Dec 19; 289(1–2):281–4
Depression by morphine and levorphanol of activity in sympathetic nerve fibres in anaesthetized rats. Jurna I, et al. Eur J Pharmacol 1984 May 18;101(1–2):75–82
Three types of acetylcholine-induced single channel currents in clonal rat pheochromocytoma cells. Bormann J, et al. Neurosci Lett 1983 Sep 30;40(2):193–7
Mechanism of negative feed-back inhibition of norepinephrine release by alpha-adrenergic agonists. Wakade AR, et al. Neuroscience 1983 Jul;9(3):673–7
Chemical-induced changes in hepatic vascular innervation. Ungváry G, et al. Z Mikrosk Anat Forsch 1983;97(5):823–8

ENZYMOLOGY

Localization of acetylcholinesterase in autonomic nerves of the rat anococcygeus muscle. Iijima T. Acta Anat (Basel) 1983;117(2):128–35
The molecular basis for adrenergic desensitization in hamster brown adipose tissue: uncoupling of adenylate cyclase activation. Svartengren J, et al. Comp Biochem Physiol [C] 1984;78(1):159–70

METABOLISM

Selectivity of inhibitors of neuronal and extraneuronal 3H-l-norepinephrine uptake in rabbit aorta. Magill GT, et al. Blood Vessels 1984;21(4):175–9
Release of ATP from adrenergic nerves controlling pigment aggregation in tilapia melanophores. Kumazawa T, et al. Comp Biochem Physiol [C] 1984;78(1):1–4
Adrenoceptors and cholinoceptors controlling noradrenaline release from adrenergic nerves in the urethra of rabbit and man. Mattiasson A, et al. J Urol 1984 Jun;131(6):1190–5
Use of aluminum-formaldehyde for the detection of catecholamines in frozen sections. Azhyalis VP, et al. Neurosci Behav Physiol 1984 Jul–Aug;14(4):303–7
Influence of ascending noradrenergic fibers on the neurotensin-like immunoreactive neurons in the rat paraventricular nucleus. Kawakami F, et al. Neurosci Lett 1984 Feb 10;44(2):149–54
[Adrenergic structures and monoamine oxidase activity in dystrophic skeletal muscles] Badalian LO, et al. Biull Eksp Biol Med 1984 Jun;97(6):660–2 (Eng. Abstr.) (Rus)
[Catecholamines in the adrenergic structures of skeletal muscles and in the blood and urine of patients with progressive Duchenne muscular dystrophy] Badalian LO, et al. Pediatriia 1983 Oct;(10):40–2 (Eng. Abstr.) (Rus)

PATHOLOGY

On the fate of sympathetic and sensory neurons projecting into a neuroma of the superficial peroneal nerve in the cat. Jänig W, et al. J Comp Neurol 1984 May 10; 225(2):302–11

PHYSIOLOGY

Adrenergic nerves and the alpha 2-adrenoceptor system regulating melanosome aggregation within fish melanophores. Andersson RG, et al. Acta Physiol Scand 1984 Jun;121(2):173–9
Memory facilitation and impairment with supraseizure electrical brain stimulation: attenuation with pretrial propranolol injections. Sternberg DB, et al. Behav Neural Biol 1983 Jul;38(2):261–8
Baroreceptor influences on cardiac-related sympathetic nerve activity. Morrison SF, et al. Brain Res 1984 May 28;301(1):175–8
Ovarian sympathectomy in the guinea pig. I. Effects on follicular development during the estrous cycle. Curry TE Jr, et al. Cell Tissue Res 1984;236(2):257–63
Spontaneous impulse generation in normal and denervated dorsal root ganglia: sensitivity to alpha-adrenergic stimulation and hypoxia. Burchiel KJ. Exp Neurol 1984 Aug;85(2):257–72
Origins of peptide and norepinephrine nerves in the mucosa of the guinea pig small intestine. Keast JR, et al. Gastroenterology 1984 Apr;86(4):637–44
Subtotal gastrectomy in dogs under acupuncture anesthesia and related changes in the noradrenergic system. Zhou S, et al. J Tradit Chin Med 1983 Dec;3(4):251–8
The role of the adrenergic nervous system in sodium and water excretion. Güllner HG. Klin Wochenschr 1983 Nov 2;61(21):1063–6
Hypothalamic adrenergic activity precedes the preovulatory luteinizing hormone surge in the rat. MacKinnon PC, et al. Neurosci Lett 1983 Dec 30;43(2–3):221–6
The lack of post-synaptic responses following stimulation of the sympathetic fibres supplying the costo-uterine muscle of the guinea-pig. Parkington HC, et al. Pflugers Arch 1983 Dec;399(4):290–6
[Role of adrenergic mechanisms in the regulation of uterine contraction] Duda IV. Akush Ginekol (Mosk) 1984 Jul; (7):6–9 (51 ref.) (Rus)
[Adrenergic, cholinergic, serotoninergic, purinergic and peptidergic neurons of the metasympathetic nervous system] Nozdrachev AD. Fiziol Zh SSSR 1984 May; 70(5):649–58 (45 ref.) (Eng. Abstr.) (Rus)
[Adrenergic mechanisms of the cystic plexus in the cat] Pushkarev IuP. Fiziol Zh SSSR 1984 Apr;70(4):464–7 (Eng. Abstr.) (Rus)
[The effect of impairment of neuroregulation on the activity of redox enzymes in the smooth muscles of the pigeon stomach] Mikhnev VA. Vopr Med Khim 1984 May–Jun; 30(3):99–102 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

Further characterization of the external urethral sphincter in spinal cord injury: study during spinal shock and evolution of responsiveness to alpha-adrenergic stimulation. Koyanagi T, et al. J Urol 1984 Jun; 131(6):1122–6
[State of adrenergic innervation of rat mesentery and dura mater during immobilization stress] Khaisman EB, et al. Biull Eksp Biol Med 1983 Nov;96(11):8–10 (Eng. Abstr.) (Rus)
[Morphofunctional characteristics of the adrenergic innervation of the microvessels and terminal blood flow in stress] Chernukh AM, et al. Patol Fiziol Eksp Ter 1984 Mar–Apr;(2):30–6 (Eng. Abstr.) (Rus)

ULTRASTRUCTURE

In vitro adrenergic and cholinergic innervation of the developing rat myocyte. Marvin WJ Jr, et al. Circ Res 1984 Jul;55(1):49–58
Effects of superior cervical ganglionectomy on choroidal melanocytes in pigmented rabbit eye. Sugita A, et al. Jpn J Ophthalmol 1984;28(1):62–8
[Ultrastructure of the nerves of the human heart] Yamanouchi A. Kokyu To Junkan 1983 Nov;31(11):1151–4 (Jpn)

ADRENERGIC RECEPTOR AGONISTS

PHARMACODYNAMICS

Noradrenergic agonists and antagonists: effects on avoidance

behaviour in rats. Obersztyn M, et al. **Acta Physiol Pol** 1983 Jul–Aug;34(4):401–7

Thiopental potentiation of isolated rabbit pulmonary artery contractions with alpha receptor agonists. Fukuda S, et al. **Anesthesiology** 1984 Mar;60(3):187–92

Analysis of dose–response curves and calculation of agonist dissociation constants using a weighted nonlinear curve fitting program. McPherson GA, et al. **J Pharmacol Methods** 1983 Dec;10(4):231–41

Analysis of the responses of rainbow lizard (Agama agama Linn.). Isolated portal vein to electrical stimulation and to drugs. Ojewole JA. **Methods Find Exp Clin Pharmacol** 1983 Dec;5(10):673–84

Interaction between noradrenergic and serotonergic brain systems as evidenced by behavioral and biochemical effects of microinjections of adrenergic agonists and antagonists into the median raphe nucleus. Plaźnik A, et al. **Pharmacol Biochem Behav** 1983 Jul;19(1):27–32

Effects of adrenergic agonists and antagonists on the blood pressure and heart rate of the pig fetus. Macdonald AA, et al. **Res Vet Sci** 1984 Jan;36(1):61–5

alpha- and beta-adrenergic influences on metabolism in heart and skeletal muscle. Garbuliński T. **Vet Res Commun** 1983 Dec;7(1–4):369–75

[The pharmacology of cardiorespiratory resuscitation in children] Gauthier M, et al. **Union Med Can** 1984 Feb; 113(2):106–11 (Eng. Abstr.) **(Fre)**

ADRENERGIC RECEPTORS see **RECEPTORS, ADRENERGIC**

ADRENOCEPTORS see **RECEPTORS, ADRENERGIC**

ADRENOCHROME

Effect of different metal ions, inhibitors/metabolites & antibiotics on autoxidation of adrenaline to adrenochrome in alkaline medium. Ahuja BS, et al. **Indian J Biochem Biophys** 1983 Oct;20(5):309–10

BIOSYNTHESIS

Formation of adrenochrome by bovine cardiac sarcolemma. Guarnieri C, et al. **Biochem Biophys Res Commun** 1984 Apr 16;120(1):22–7

ADRENOCORTICOTROPIC HORMONE see **CORTICOTROPIN**

ADRENODOXIN

ANALYSIS

[Structural organization of adrenodoxin using limited proteolysis] Chashchin VL, et al. **Biokhimiia** 1983 Oct; 48(10):1697–704 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Induction of synthesis of bovine adrenocortical cytochromes P-450scc, P-45011 beta, P-450C21, and adrenodoxin by prostaglandins E2 and F2 alpha and cholera toxin. Boggaram V, et al. **Arch Biochem Biophys** 1984 Jun; 231(2):271–9

In vitro synthesis of NADPH–adrenodoxin reductase and adrenodoxin of bovine adrenal cortex, and the existence of a large precursor of adrenodoxin. Nabi N, et al. **J Biochem (Tokyo)** 1983 Nov;94(5):1529–38

Contributions of cytoplasmic free and membrane-bound ribosomes to the synthesis of NADPH–adrenodoxin reductase and adrenodoxin of bovine adrenal cortex mitochondria. Nabi N, et al. **J Biochem (Tokyo)** 1983 Nov; 94(5):1505–15

Induction of synthesis of cholesterol side chain cleavage cytochrome P-450 and adrenodoxin by follicle-stimulating hormone, 8-bromo-cyclic AMP, and low density lipoprotein in cultured bovine granulosa cells. Funkenstein B, et al. **J Biol Chem** 1984 Jul 10;259(13):8572–7

GENETICS

Discriminatory processing of the precursor forms of cytochrome P-450scc and adrenodoxin by adrenocortical and heart mitochondria. Matocha MF, et al. **J Biol Chem** 1984 Jul 10;259(13):8672–8

ISOLATION & PURIFICATION

Selectively immobilized cytochrome c as an effective affinity ligand for electron transfer proteins. Akhrem AA, et al. **Biomed Biochim Acta** 1984;43(2):165–77

METABOLISM

Reduction potential and thermodynamic parameters of adrenodoxin by the use of an anaerobic thin-layer electrode. Huang YY, et al. **Anal Biochem** 1983 Sep; 133(2):385–93

Turnover of newly synthesized cytochromes P-450scc and P-45011 beta and adrenodoxin in bovine adrenocortical cells in monolayer culture: effect of adrenocorticotropin. Boggaram V, et al. **Arch Biochem Biophys** 1984 Jun; 231(2):518–23

Modification of a lysine residue of adrenodoxin reductase, essential for complex formation with adrenodoxin. Hamamoto I, et al. **Biochim Biophys Acta** 1984 Apr 27; 786(1–2):32–41

Identification of specific carboxylate groups on adrenodoxin that are involved in the interaction with adrenodoxin reductase. Geren LM, et al. **J Biol Chem** 1984 Feb 25; 259(4):2155–60

Adrenodoxin interaction with adrenodoxin reductase and cytochrome P-450scc. Cross-linking of protein complexes and effects of adrenodoxin modification by 1-ethyl-3-(3-dimethylaminopropyl)carbodiimide. Lambeth JD, et al. **J Biol Chem** 1984 Aug 25; 259(16):10025–9

[Decrease in the intensity of the EPR cytochrome P-450, adrenodoxine and free radical signals in the adrenal cortex of dogs under the effect of o,p-dichlorodiphenyldichloroethane] Mikosha AS, et al. **Probl Endokrinol (Mosk)** 1983 Sep–Oct;29(5):62–5 (Eng. Abstr.) **(Rus)**

ADRENOGENITAL SYNDROME see **ADRENAL HYPERPLASIA, CONGENITAL**

ADRENOLEUKODYSTROPHY see under **CEREBRAL SCLEROSIS, DIFFUSE**

ADRENOLYTICS see **SYMPATHOLYTICS**

ADRENOMIMETICS see **SYMPATHOMIMETICS**

ADRIAMYCIN see **DOXORUBICIN**

ADULT

[Initiated into manhood all together] Pairault C. **Neuropsychiatr Enfance Adolesc** 1983 Aug–Sep; 31(8–9):385–9 **(Fre)**

ADULT RESPIRATORY DISTRESS SYNDROME see **RESPIRATORY DISTRESS SYNDROME, ADULT**

ADVERTISING

Direct to consumer advertising of prescription drugs. FDA's first round of tests. Murphy DH. **Am Pharm** 1984 Feb; NS24(2):20–3

Advertising and ethics. Hesselberg MI. **Br Dent J** 1983 Aug 6;155(3):80

Smoking, tobacco promotion, and the voluntary agreements. Cox HT. **Br Med J [Clin Res]** 1984 Jan 28;288(6413):303–5

What annoys me most. Advertisements. Horton GR. **Br Med J [Clin Res]** 1984 Mar 17;288(6420):831

Should sponsors screen for moral values? Goodpaster KE. **Hastings Cent Rep** 1983 Dec;13(6):17–8

Physician, sell thyself? (letter). **Hosp Pract** 1983 Nov; 18(11):23

Prescription drug advertising to the general public [editorial] Liebman M. **Hosp Pract [Off]** 1984 May;19(5):13, 16

Alcohol consumption while viewing alcoholic beverage advertising. McCarty D, et al. **Int J Addict** 1983 Oct; 18(7):1011–8

Decision 84: ADA's proposed paid public education program. **J Am Dent Assoc** 1984 May;108(5):740–8

Attitudes of dentists and consumers toward advertising. Majewski RF, et al. **J Am Dent Assoc** 1984 Mar; 108(3):345–7

The mythology of low-tar cigarettes [editorial] Houston TP. **J Med Assoc Ga** 1984 Feb;73(2):93–4

Content and effects of alcohol advertising: a reply to Strickland. Atkin C, et al. **J Stud Alcohol** 1984 Jan; 45(1):93–100

Content and effects of alcohol advertising: comment on NTIS pub. no. PB82–123142. Strickland DE. **J Stud Alcohol** 1984 Jan;45(1):87–93

Smoking: no longer normal [editorial] **Lancet** 1983 Nov 26; 2(8361):1233–4

Bypassing bans on cigarette smoking [letter] Ball K. **Lancet** 1983 Oct 1;2(8353):803

Promoting tobacco [letter] Sampson D. **Lancet** 1983 Dec 10; 2(8363):1365

Attitudes toward physician advertising among rural consumers. Kviz FJ. **Med Care** 1984 Apr;22(4):300–9

Where there's smoke [letter] **Med J Aust** 1984 Jul 7; 141(1):66–8

Antibiotic advertising campaign [letter] Berbatis CG, et al. **Med J Aust** 1984 Feb 18;140(4):245–6

Not biting the hand that feeds you. Tobacco advertising and editorial bias in Australian newspapers. Chapman S. **Med J Aust** 1984 Apr 14;140(8):480–2

Smokescreen. Sarfaty G. **Med J Aust** 1983 Sep 3;2(5):244–5

The business of smoking. **NY State J Med** 1983 Dec; 83(13):1324–32

Physician advertising—what is legal? What is ethical? What is acceptable? Porter S. **Ohio State Med J** 1984 Jun; 80(6):437–9, 443

Consumer advertising of prescription drugs. Hayes AH Jr. **Penn Med** 1983 Dec;86(12):50–1

Advertising family planning in the press: direct response results from Bangladesh. Harvey PD. **Stud Fam Plann** 1984 Jan–Feb;15(1):40–2

POM products and farmers [letter] Bostelmann RW. **Vet Rec** 1984 Feb 18;114(7):174–5

Canine vaccination [letter] Godfrey C. **Vet Rec** 1984 Apr 7;114(14):364

[Marketing strategies of the pharmaceutical industry and the consumption of drugs] Barros JA. **Rev Saude Publica** 1983 Oct;17(5):377–86 (Eng. Abstr.) **(Por)**

ECONOMICS

Selling the medical staff and hospital as a package. Sturm AC Jr. **Hospitals** 1984 May 16;58(10):98–101

HISTORY

When 'more doctors smoked Camels': cigarette advertising in the Journal. **NY State J Med** 1983 Dec;83(13):1347–52

[Medical advertisements in Poland] Czeley-Wybieralska M. **Arch Hist Med (Warsz)** 1983;46(3):315–23 (Eng. Abstr.) **(Pol)**

LEGISLATION & JURISPRUDENCE

Concerning the Case of United States v. American Pharmaceutical Association and Michigan state Pharmaceutical Association Civil No. G75–558, CA5, W.D. Michigan. Apple WS. **Am Pharm** 1983 Aug; NS23(8):54–6

The regulation of prescription drug advertising. Millstein LG. **Am Pharm** 1983 Sep;NS23(9):54–7

The law: it's impact on medical practice. Breach of contract and the Yellow Pages. Watson NL. **Ariz Med** 1983 Nov; 40(11):796–7

Antitrust and medical ethics. Hirsh BD. **JAMA** 1983 Nov 25;250(20):2759–60

The Medicines Act and the ABPI code [letter] Collier J. **Lancet** 1984 Mar 24;1(8378):682–3

India's shame. A war on smallpox but a welcome for cigarettes. Nath UR. **NY State J Med** 1983 Dec; 83(13):1320–1

Breach of contract and the Yellow Pages. Watson NL. **RI Med J** 1983 Nov;66(11):465–7

METHODS

The tobacco industry: still resourceful in recruiting smokers [editorial] Wigle DT, et al. **Can Med Assoc J** 1984 Jun 15;130(12):1537–9

Advertising and ethics (continued): prescription drugs on TV? [editorial] Bukantz SC. **Hosp Pract** 1983 Oct;18(10):13, 17

Educational antibiotic advertising campaign [letter] Harvey K, et al. **Med J Aust** 1983 Nov 26;2(11):536–7

STANDARDS

Advertising standards of the American Dental Association. **J Am Dent Assoc** 1983 Oct;107(4):686–7

Physician advertising policy. **J Indiana State Med Assoc** 1983 Dec;76(12):846

Rules of conduct and the pharmaceutical industry [letter] Collier J. **Lancet** 1984 Feb 25;1(8374):453

Illegibility of drug advertisements [letter] Collier J, et al. **Lancet** 1984 Feb 11;1(8372):341–2

Rules of conduct and the pharmaceutical industry [letter] Cox P. **Lancet** 1984 Mar 3;1(8375):517

Advertisements for posts in Saudi Arabia [letter] White J. **N Engl J Med** 1983 Oct 20;309(16):991–2

BUGA-UP (Billboard Utilizing Graffitists Against Unhealthy Promotions). An Australian movement to end cigarette advertising. Chesterfield-Evans A. **NY State J Med** 1983 Dec;83(13):1333–4

'Precious baby'. Cromer MA. **NY State J Med** 1983 Dec; 83(13):1292–3

Cigarette advertising and The New York Times: an ethical issue that's unfit to print? Gitlitz G. **NY State J Med** 1983 Dec;83(13):1284–91

Culpable negligence: a case for the courts? Lessof MH. **NY State J Med** 1983 Dec;83(13):1282–3

A positive health strategy for the office waiting room. Richards JW Jr. **NY State J Med** 1983 Dec;83(13):1358–60

Ending the cigarette pandemic. Richmond JB. **NY State J Med** 1983 Dec;83(13):1259

Smoking in Malaysia. Promotion and control. Teoh SK. **NY State J Med** 1983 Dec;83(13):1317–9

Advertising of contrast material: a developing problem. Siegle RL. **Radiology** 1984 Oct;153(1):261–2

TRENDS

Cigarette ads in the Ladies' Home Journal [letter] Kitchens CS. **N Engl J Med** 1984 Jul 5;311(1):51–2

AEDES

Experimental aerial spraying with ultra-low-volume (ULV) malathion to control Aedes aegypti in Buga, Colombia. Uribe LJ, et al. **Bull Pan Am Health Organ** 1984;18(1):43–57

The problems of Aedes aegypti control in the Americas. Uribe LJ. **Bull Pan Am Health Organ** 1983;17(2):133–41

A case study of Aedes aegypti prevalence by settlement types in Dehu town group of Maharashtra State. Mahadev PV. **Indian J Med Res** 1983 Oct;78:537–46

Laboratory and field evaluations of industrial formulations of Bacillus thuringiensis serovar. israelensis against some mosquito species of central Italy. Majori G, et al. **J Invertebr Pathol** 1984 May;43(3):316–23

The biological control of Aedes aegypti on Sa-Med Island, Rayong Province by means of Toxorhynchites splendens,

a predatory mosquito larva. Vongtangswad S, et al. **J Med Assoc Thai** 1983 Jun;66 Suppl 1:8–12

Effects of toxorhynchites amboinensis on laboratory-reared Aedes aegypti populations (Diptera: Culicidae). Castner JL, et al. **J Med Entomol** 1984 Mar 30;21(2):132–6

Toxorhynchites rutilus rutilus (Diptera: Culicidae): field studies on dispersal and oviposition in the context of the biocontrol of urban container-breeding mosquitoes. Focks DA, et al. **J Med Entomol** 1983 Jul 21;20(4):383–90

Effects of ecological changes on the malaria vectors Anopheles funestus and the Anopheles gambiae complex of mosquitoes in Accra, Ghana. Chinery WA. **J Trop Med Hyg** 1984 Apr;87(2):75–81

[Action of the delta-endotoxin of Bacillus thuringiensis var. israelensis on cultured cells from Aedes aegypti L.] Charles JF. **Ann Microbiol (Paris)** 1983 May–Jun;134(3):365–81 (Eng. Abstr.) **(Fre)**

[Diseases transmitted by mosquitoes and urbanization. Examples of urban vectors of dengue and filariasis] Rodhain F. **Bull Soc Pathol Exot Filiales** 1983 May–Jun; 76(3):250–5 (Eng. Abstr.) **(Fre)**

[New regioselective synthesis of racemic 7,11-dimethyloctadecane—an ovipositon attractant for the yellow fever mosquito (Aedes aegypti)] Odinokov VN, et al. **Dokl Akad Nauk SSSR** 1983;271(5):1143–5 **(Rus)**

[Integrated vector control methods and the threat of dengue hemorrhagic fever in the tropical zone of the Pacific Ocean] Laird M. **Parazitologiia** 1984 Mar–Apr;18(2):99–105 (Eng. Abstr.) **(Rus)**

[Relative behavior of larval densities of Aedes (S) aegypti and Culex (C) quinquefasciatus in the intensive stage of the anti-aegypti campaign] Biset JA, et al. **Rev Cubana Med Trop** 1983 May–Aug;35(2):176–80 (Eng. Abstr.) **(Spa)**

[Ecology of dengue and Aedes aegypti. Preliminary study] Carrada Bravo T, et al. **Salud Publica Mex** 1984 Jan–Feb; 26(1):63–76 **(Spa)**

[The ecology of dengue and Aedes aegypti. Preliminary report. 3] Carrada Bravo T, et al. **Salud Publica Mex** 1984 May–Jun;26(3):297–311 **(Spa)**

[Evaluation of risk indices for the transmission of dengue] Eliason DA, et al. **Salud Publica Mex** 1983 Jul–Aug; 25(4):411–7 (Eng. Abstr.) **(Spa)**

ANALYSIS

Partial purification of egg development neurosecretory hormone with reverse-phase liquid chromatographic techniques. Masler EP, et al. **Life Sci** 1983 Nov 7; 33(19):1925–31

ANATOMY & HISTOLOGY

[Description of a new Aedes endemic to Madagascar: Ae. (Diceromyia) coulangesi nova species] Rodhain F, et al. **Arch Inst Pasteur Madagascar** 1982;49(1):193–6 **(Fre)**

[Complementary description of Aedes madagascarensis Van Someren 1949] Rodhain F, et al. **Arch Inst Pasteur Madagascar** 1982;49(1):197–203 **(Fre)**

[Determination of the age of adult culicines using layers deposited in the thoracic apodemes] Navarro Ortega A, et al. **Rev Cubana Med Trop** 1983 May–Aug;35(2):153–8 (Eng. Abstr.) **(Spa)**

CLASSIFICATION

[Description of a new Aedes of the subgenus Ochlerotatus (Diptera: Culicidae) from Madagascar: Aedes ambreensis n.sp. and general observations on the females of the subgenus Ochlerotatus in the Afro-tropical region] Rodhain F, et al. **Bull Soc Pathol Exot Filiales** 1983 Dec; 76(5 Pt 2):825–33 (Eng. Abstr.) **(Fre)**

[Dispersion of mass Aedes species from breeding sites in the steppe zone of Tuva (the central Tuva depression). 2. The range of the dispersion of A. sticticus, A. cinereus and A. c. caspius] Proskuriakova AM, et al. **Med Parazitol (Mosk)** 1984 Mar–Apr;(2):69–72 (Eng. Abstr.) **(Rus)**

[New subgenus and species of the bloodsucking mosquito Aedes (Edwardsaedes) bekkui Mogi, 1977 (Culicidae) among the fauna of the USSR] Sazonova ON. **Parazitologiia** 1983 Jul–Aug;17(4):299–303 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Effect of juvenile hormone analogues on Aedes caspius Pallas (Diptera: Culicidae). Adham FK, et al. **J Egypt Soc Parasitol** 1983 Dec;13(2):349–54

Relative toxicity of organic solvents to Aedes aegypti larvae. Kramer VC, et al. **J Invertebr Pathol** 1983 Sep;42(2):285–7

Toxicity of cyclic peptide antibiotics to larvae of Aedes aegypti. Nickerson KW, et al. **J Invertebr Pathol** 1983 Nov; 42(3):407–9

Bioassay of solubilized Bacillus thuringiensis var. israelensis crystals by attachment to latex beads. Schnell DJ, et al. **Science** 1984 Mar 16;223(4641):1191–3

The toxic effects of triorganotin(IV) compounds on the culicine mosquito, Aedes aegypti (L). Kumar Das VG, et al. **Toxicology** 1984 Jul;32(1):57–66

[Comparative evaluation of the effect of bisazir and thiophosphamide sterilization on the sexual activity of male mosquitoes] Zakharova NF. **Med Parazitol (Mosk)** 1983 Jul–Aug;(4):38–42 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Egg diapause in Aedes triseriatus (Diptera: Culicidae): geographic variation in photoperiodic response and factors influencing diapause termination. Shroyer DA, et al. **J Med Entomol** 1983 Nov 30;20(6):601–7

ENZYMOLOGY

Genetics of octanol and alpha-glycerophosphate dehydrogenases in the mosquito Aedes (Finlaya) togoi. Tadano T. **Biochem Genet** 1983 Dec;21(11–12):1167–74

GENETICS

Genetic heterogeneity among Caribbean populations of Aedes aegypti. Wallis GP, et al. **Am J Trop Med Hyg** 1984 May;33(3):492–8

Linkage relationships of eleven enzyme loci in the Aedes scutellaris group. Pashley DP, et al. **Biochem Genet** 1983 Dec;21(11–12):1195–201

A cluster of four transfer RNA genes in mosquito mitochondrial DNA. HsuChen CC, et al. **Biochem Int** 1984 Mar;8(3):385–91

Genetics of speciation in the Aedes (Stegomyia) scutellaris subgroup (Diptera:Culicidae). 4. Chromosomal relationships of Aedes cooki with four sibling species. Sherron DA, et al. **Can J Genet Cytol** 1984 Jun; 26(3):237–48

Population genetics of the tree hole mosquito Aedes triseriatus: no correlation between Est-6 and larval habitat. Matthews TC. **Heredity (Edinburgh)** 1984 Feb;52 (Pt 1):133–9

Mesonotal scale pattern polymorphism and a temperature-induced phenocopy in Aedes hendersoni (Diptera: Culicidae). Grimstad PR. **J Med Entomol** 1984 Mar 30;21(2):237–41

Sequence and structure of a serine transfer RNA with GCU anticodon from mosquito mitochondria. Dubin DT, et al. **J Mol Biol** 1984 Jun 25;176(2):251–60

Sequence and structure of a methionine transfer RNA from mosquito mitochondria. Dubin DT, et al. **Nucleic Acids Res** 1984 May 25;12(10):4185–9

A major lysine tRNA with a CUU anticodon in insect mitochondria. HsuChen CC, et al. **Nucleic Acids Res** 1983 Dec 20;11(24):8659–62

Sequences of three transfer RNAs from mosquito mitochondria. HsuChen CC, et al. **Plasmid** 1983 Jul; 10(1):55–65

GROWTH & DEVELOPMENT

Breeding of Aedes aegypti in closed septic tanks. Babu CJ, et al. **Indian J Med Res** 1983 May;77:637

The effect of photoperiod on diapause induction in Aedes caspius Pallas (Diptera: Culicidae). Abdel-Rahman AM, et al. **J Egypt Soc Parasitol** 1983 Dec;13(2):343–7

Glutathione levels during the mosquito life span with emphasis on senescence. Hazelton GA, et al. **Proc Soc Exp Biol Med** 1984 Jul;176(3):249–56

[Ecology of mass Culicidae species in the upper reaches of the Sayan watershed (Tuva ASSR), breeding sites and the conditions for Aedes sticticus Meig. development] Markovich NIa, et al. **Med Parazitol (Mosk)** 1983 Nov–Dec;(6):72–8 (Eng. Abstr.) **(Rus)**

METABOLISM

Mechanisms of CO2 transport in rectal salt gland of Aedes. II. Site of Cl(-)–HCO3(-) exchange. Strange K, et al. **Am J Physiol** 1984 May;246(5 Pt 2):R735–40

Mechanisms of CO2 transport in rectal salt gland of aedes. I. Ionic requirements of CO2 secretion. Strange K, et al. **Am J Physiol** 1984 May;246(5 Pt 2):R727–34

Changes in ecdysteroid and juvenile hormone titers correlated to the initiation of vitellogenesis in two Aedes species (Diptera, Culicidae). Guilvard E, et al. **Gen Comp Endocrinol** 1984 Feb;53(2):218–23

Regulation of asparagine-linked oligosaccharide processing. Oligosaccharide processing in Aedes albopictus mosquito cells. Hsieh P, et al. **J Biol Chem** 1984 Feb 25; 259(4):2375–82

MICROBIOLOGY

Experimental model of transovarial transmission of Tahyňa virus in Aedes aegypti mosquitoes. Labuda M, et al. **Acta Virol (Praha)** 1983 May;27(3):245–50

Oral and transovarial transmission of La Crosse virus by Aedes atropalpus. Freier JE, et al. **Am J Trop Med Hyg** 1984 Jul;33(4):708–14

Transmission of dengue virus by orally infected Aedes triseriatus. Freier JE, et al. **Am J Trop Med Hyg** 1983 Nov; 32(6):1429–34

Mosquito cell cultures and specific monoclonal antibodies in surveillance for dengue viruses. Gubler DJ, et al. **Am J Trop Med Hyg** 1984 Jan;33(1):158–65

Experimental transovarial transmission of St. Louis encephalitis virus by Culex and Aedes mosquitoes. Hardy JL, et al. **Am J Trop Med Hyg** 1984 Jan;33(1):166–75

Quantitation of La Crosse virus in venereally infected Aedes triseriatus. Kramer LD, et al. **Am J Trop Med Hyg** 1983 Sep;32(5):1140–6

The effect of colonization upon aedes aegypti susceptibility to oral infection with yellow fever virus. Lorenz L, et al. **Am J Trop Med Hyg** 1984 Jul;33(4):690–4

A variant of La Crosse virus attenuated for Aedes triseriatus mosquitoes. Miller BR. **Am J Trop Med Hyg** 1983 Nov; 32(6):1422–8

Transovarial transmission of dengue viruses by mosquitoes: Aedes albopictus and Aedes aegypti. Rosen L, et al. **Am J Trop Med Hyg** 1983 Sep;32(5):1108–19

Lower rates of oral transmission of La Crosse virus by Aedes triseriatus venereally exposed after engorgement on immune chipmunks. Thompson WH. **Am J Trop Med Hyg** 1983 Nov;32(6):1416–21

Occurrence of rickettsia-like symbionts among species of the Aedes scutellaris group (Diptera:Culicidae). Meek SR. **Ann Trop Med Parasitol** 1984 Aug;78(4):377–81

Toxicity of Bacillus thuringiensis subsp. israelensis to adult Aedes aegypti mosquitoes. Klowden MJ, et al. **Appl Environ Microbiol** 1983 Aug;46(2):312–5

Getah virus in Aedes vexans nipponii and Culex tritaeniorhynchus: vector susceptibility and ability to transmit. Takashima I, et al. **Arch Virol** 1983;76(4):299–305

Mosquito inoculation technique for the diagnosis of Q fever employing an animal model. Mourya DT, et al. **Indian J Med Res** 1983 Aug;78:201–4

Electron microscopic observation of a newly isolated flavivirus-like virus from field-caught mosquitoes. Okuno Y, et al. **J Gen Virol** 1984 Apr;65 (Pt 4):803–7

Infectivity of a Venezuelan strain of Metarhizium anisopliae to Aedes aegypti larvae. Agudelo-Silva F, et al. **J Invertebr Pathol** 1984 May;43(3):435–6

The fine structure of Culicinomyces clavisporus invading mosquito larvae. Sweeney AW, et al. **J Invertebr Pathol** 1983 Sep;42(2):224–43

Aedes triseriatus (Diptera: Culicidae) and La Crosse virus. III. Enhanced oral transmission by nutrition-deprived mosquitoes. Grimstad PR, et al. **J Med Entomol** 1984 May 30;21(3):249–56

Evaluation of immunofluorescence and cell culture techniques for detecting La Crosse virus infection in individual Aedes triseriatus (Diptera: Culicidae). Grimstad PR, et al. **J Med Entomol** 1983 Jul 21;20(4):458–60

Experimental transmission of Rocio encephalitis virus by Aedes scapularis (Diptera: Culicidae) from the epidemic zone in Brazil. Mitchell CJ, et al. **J Med Entomol** 1984 Jan 26;21(1):34–7

Venereal transmission of Sindbis virus between individuals of Aedes australis (Diptera: Culicidae). Ovenden JR, et al. **J Med Entomol** 1984 May 30;21(3):292–5

Isolation of Karelian fever agent from Aedes communis mosquitoes [letter] Lvov DK, et al. **Lancet** 1984 Aug 18; 2(8399):399–400

Selective primary health care: strategies for control of disease in the developing world. XI. Dengue. Halstead SB. **Rev Infect Dis** 1984 Mar–Apr;6(2):251–64 (86 ref.)

Enhanced arboviral transmission by mosquitoes that concurrently ingested microfilariae. Turell MJ, et al. **Science** 1984 Sep 7;225(4666):1039–41

Host-dependent mutants of Sindbis virus whose growth is restricted in cultured Aedes albopictus cells produce normal yields of virus in intact mosquitoes. Stollar V, et al. **Virology** 1984 Apr 15;134(1):177–83

[Comparative action of solubilized crystals of H-14 and H-1 serotypes of Bacillus thuringiensis on cultures of Aedes aegypti cells] Laurent P, et al. **Ann Microbiol (Paris)** 1984 May–Jun;135(3):473–84 (Eng. Abstr.) **(Fre)**

[Virion-associated enzymes of the iridovirus in the mosquito Aedes cantans] Buchatskii LP, et al. **Vopr Virusol** 1984 Jan–Feb;29(1):59–61 (Eng. Abstr.) **(Rus)**

[Ecology of dengue and Aedes aegypti. Preliminary research. 2] Carrada Bravo T, et al. **Salud Publica Mex** 1984 Mar–Apr;26(2):170–89 **(Spa)**

PARASITOLOGY

The effect of p-aminobenzoic acid and folic acid on the development of infective larvae of Brugia malayi in Aedes aegypti. Rao UR, et al. **Acta Trop (Basel)** 1984 Mar; 41(1):61–7

Increased intradermal probing time in sporozoite-infected mosquitoes. Rossignol PA, et al. **Am J Trop Med Hyg** 1984 Jan;33(1):17–20

Plasmodium gallinaceum: erythrocyte factor essential for zygote infection of Aedes aegypti. Rosenberg R, et al. **Exp Parasitol** 1984 Apr;57(2):158–64

Plasmodium gallinaceum: density dependent limits on infectivity to Aedes aegypti. Rosenberg R, et al. **Exp Parasitol** 1984 Jun;57(3):234–8

An epizootic Amblyospora sp. (Microspora: Amblyosporidae) in field populations of the mosquito, Aedes cantator. Andreadis TG. **J Invertebr Pathol** 1983 Nov;42(3):427–30

Early cellular responses in the Malpighian tubules of the mosquito Aedes taeniorhynchus to infection with Dirofilaria immitis (Nematoda). Bradley TJ, et al. **J Parasitol** 1984 Feb;70(1):82–8

Electrophoretic differences in the isoenzymes of two mosquito gregarines, Ascogregarina barretti and A. geniculati. Rowton ED, et al. **J Parasitol** 1984 Feb; 70(1):63–7

Factors influencing the development of Plasmodium gallinaceum in Aedes fluviatilis. de Camargo MV, et al. **Mem Inst Oswaldo Cruz** 1983 Jan–Mar;78(1):83–94

Susceptibility of Aedes aegypti to infections with Dirofilaria immitis and Dirofilaria repens. Sulaiman I. **Southeast Asian J Trop Med Public Health** 1983 Dec;

14(4):543–7
[Comparison of the flight capability of plasmodia-infected and plasmodia-free Aedes aegypti] Alekseev AN, et al. **Med Parazitol (Mosk)** 1984 Jan-Feb;(1):11–3 (Eng. Abstr.) **(Rus)**
[Lack of an effect from repeated blood sucking by mosquitoes on their infectivity with the causative agent of malaria] Rasnitsyn SP, et al. **Parazitologiia** 1984 Mar-Apr; 18(2):179–81 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Conditions for increased insemination rates in caged Aedes triseriatus (Diptera: Culicidae) reared from field-collected eggs. Mather TN, et al. **Am J Trop Med Hyg** 1984 Jul; 33(4):731–5
The regulation of preimaginal populations of Aedes aegypti (L.) (Diptera: Culicidae) on the Kenya coast. II. Food as a main regulatory factor. Subra R, et al. **Ann Trop Med Parasitol** 1984 Feb;78(1):63–70
Studies on characterization of mosquito cell lines. Wagh UV, et al. **Cytometry** 1984 Jul;5(4):403–7
Cultivation of mosquito cell lines in serum-free media and their effects on dengue virus replication. Kuno G. **In Vitro** 1983 Sep;19(9):707–13
Role of mosquito saliva in blood vessel location. Ribeiro JM, et al. **J Exp Biol** 1984 Jan;108:1–7
Survival and population density of Aedes triseriatus (Diptera: Culicidae) in a woodlot in central Ohio, USA. Haramis LD, et al. **J Med Entomol** 1983 Jul 21;20(4):391–8
Blood feeding affects age-related changes in the host-seeking behavior of Aedes aegypti (Diptera: Culicidae) during oocyte maturation. Klowden MJ, et al. **J Med Entomol** 1984 May 30;21(3):274–7
Variations in the blood-feeding patterns of Aedes vexans and Aedes trivittatus (Diptera: Culicidae). Nasci RS. **J Med Entomol** 1984 Jan 26;21(1):95–9
Oviposition dynamics of two released species of Toxorhynchites (Diptera: Culicidae) and potential prey species. Schuler TC, et al. **J Med Entomol** 1983 Jul 21; 20(4):371–6
Features of reproduction in laboratory-reared Aedes fluviatilis (Lutz, 1904) (Diptera: Culicidae). Cônsoli RA, et al. **Mem Inst Oswaldo Cruz** 1983 Jan-Mar;78(1):37–47
The use of mosquitoes (Aedes aegypti) to detect ciguatoxin in surgeon fishes (Ctenochaetus striatus). Chungue E, et al. **Toxicon** 1984;22(1):161–4
The effect of humidity on the transmission of Brugia pahangi infective larvae to mammalian hosts by Aedes aegypti. Lindsay SW, et al. **Trans R Soc Trop Med Hyg** 1984; 78(1):19–22
[Indigenous mosquitoes of the subgenus Aedes (Diptera, Culicidae)] Britz L. **Angew Parasitol** 1983 Aug;24(3):152–6 (Eng. Abstr.) **(Ger)**
[Effect of the mosquito cage temperature and the blood of the host food source on the formation and breakdown of the peritrophic membrane in female Aedes aegypti L. (Diptera, Culicidae)] Kuznetsova LA. **Med Parazitol (Mosk)** 1984 Jan-Feb;(1):14–8 (Eng. Abstr.) **(Rus)**
[Dispersion of mass Aedes mosquito species from breeding sites in the steppe zone of Tuva (the central Tuva basin). I. The dispersion distance of A. vexans] Proskuriakova AM, et al. **Med Parazitol (Mosk)** 1984 Jan-Feb;(1):18–22 (Eng. Abstr.) **(Rus)**

AEQUORIN see under **LUMINESCENT PROTEINS**

AEROBIC BACTERIA see **BACTERIA, AEROBIC**

AEROBIOSIS see under **METABOLISM**

AEROCOCCUS see **STREPTOCOCCACEAE**

AEROMONAS

Posttraumatic Aeromonas hydrophila osteomyelitis. Karam GH, et al. **Arch Intern Med** 1983 Nov;143(11):2073–4
Aeromonas septicemia in infants and children. Sirinavin S, et al. **Pediatr Infect Dis** 1984 Mar-Apr;3(2):122–5

ANALYSIS

A lipopolysaccharide-specific bacteriophage for Aeromonas salmonicida. Ishiguro EE, et al. **Can J Microbiol** 1983 Oct; 29(10):1458–61
Purification and reconstitution in lipid bilayer membranes of an outer membrane, pore-forming protein of Aeromonas salmonicida. Darveau RP, et al. **J Bacteriol** 1983 Dec; 156(3):1006–11

CLASSIFICATION

Biotyping and virulence factors in clinical and environmental isolates of Aeromonas species. Burke V, et al. **Appl Environ Microbiol** 1984 May;47(5):1146–9
Correlation of enterotoxicity with biotype in Aeromonas spp. Burke V, et al. **J Clin Microbiol** 1983 Nov;18(5):1196–200
Biotyping of Aeromonas isolates as a correlate to delineating a species-associated disease spectrum. Janda JM, et al. **J Clin Microbiol** 1984 Jan;19(1):44–7
Enterotoxin production in relation to taxonomic grouping and source of isolation of Aeromonas species. Turnbull PC, et al. **J Clin Microbiol** 1984 Feb;19(2):175–80
The use of a biotyping system to investigate an unusual clustering bacteraemias caused by Aeromonas species. Cookson BD, et al. **J Hosp Infect** 1984 Jun;5(2):205–9

DRUG EFFECTS

Differential susceptibility of Aeromonas hydrophila and Enterobacteriaceae to nalidixic acid. Zemelman R, et al. **J Antimicrob Chemother** 1983 Sep;12(3):265–7

ENZYMOLOGY

Stereospecificity of amino acid hydroxamate inhibition of aminopeptidases. Wilkes SH, et al. **J Biol Chem** 1983 Nov 25;258(22):13517–21
Purification and properties of amino acid racemase from Aeromonas punctata subsp. caviae. Inagaki K, et al. **Prog Clin Biol Res** 1984;144A:355–63
[Partial purification of the extracellular proteolytic system of Aeromonas hydrophila LP50: comparative chromatographic and electrophoretic study] Denis F, et al. **Ann Microbiol (Paris)** 1984 Mar-Apr;135(2):219–27 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Characterization of immunoglobulins from the brown bullhead (Ictalurus nebulosus) produced against a naturally occurring bacterial pathogen, Aeromonas hydrophila. Isbell GL, et al. **Dev Comp Immunol** 1983 Summer; 7(3):473–82
Structural and immunochemical homogeneity of Aeromonas salmonicida lipopolysaccharide. Chart H, et al. **J Bacteriol** 1984 Apr;158(1):16–22
[Study of various application methods for active immunization of fishes with Aeromonas salmonicida, Aeromonas punctata and Vibrio anguillarum. 1. Immunization with Aeromonas salmonicida strain 314] Jung B, et al. **DTW** 1983 Jul 6;90(7):286–91 (Eng. Abstr.) **(Ger)**

ISOLATION & PURIFICATION

Enterobacteriaceae and Aeromonas hydrophila in Minnesota frogs and tadpoles (Rana pipiens). Hird DW, et al. **Appl Environ Microbiol** 1983 Dec;46(6):1423–5
Aeromonas hydrophila gastroenteritis. Palfreeman SJ, et al. **Aust NZ J Med** 1983 Oct;13(5):524–5
Aeromonas species in clinical microbiology: significance, epidemiology, and speciation. Janda JM, et al. **Diagn Microbiol Infect Dis** 1983 Sep;1(3):221–8
Aeromonas hydrophila in livestock: incidence, biochemical characteristics and antibiotic susceptibility. Gray SJ. **J Hyg (Lond)** 1984 Jun;92(3):365–75
Methods for the isolation of Aeromonas hydrophila and Plesiomonas shigelloides from faeces. Millership SE, et al. **J Hyg (Lond)** 1984 Apr;92(2):145–52
Aeromonas hydrophila gastroenteritis in Tuscany children [letter] Figura N, et al. **Pediatr Infect Dis** 1984 May-Jun; 3(3):283–4
Distribution of IMVC biogroups of Aeromonas hydrophila and Aeromonas sobria isolated from human, fish and water. Sukroongreung S, et al. **Southeast Asian J Trop Med Public Health** 1983 Sep; 14(3):330–5
[Aeromonas hydrophila in Ivory Coast Epidemiologic and ecologic aspects and its enteropathogenic role] Dosso M, et al. **Bull Soc Pathol Exot Filiales** 1984 Jan-Feb; 77(1):17–27 (Eng. Abstr.) **(Fre)**
[Isolation of Plesiomonas shigelloides in a case of gastroenteritis] Perales Palacios I, et al. **Rev Clin Esp** 1983 Oct 31;171(2):115–7 (Eng. Abstr.) **(Spa)**

METABOLISM

Biosynthesis of bacterial glycogen: characterization of adenosine diphosphate glucose synthetases from Enterobacter hafniae and Aeromonas hydrophila. Yung SG, et al. **Arch Microbiol** 1984 May;138(1):1–8
Acquisition of iron by Aeromonas salmonicida. Chart H, et al. **J Bacteriol** 1983 Nov;156(2):758–64
Biochemical characteristics of enterotoxigenic Aeromonas spp. Burke V, et al. **J Clin Microbiol** 1982 Jan;15(1):48–52

PATHOGENICITY

Haemagglutination properties & fimbriation in enterotoxigenic Aeromonas hydrophila strains. Sanyal SC, et al. **Indian J Med Res** 1983 Sep;78:324–30
Enterotoxic activity of Aeromonas hydrophila and Aeromonas sobria. Kobayashi K, et al. **Kansenshogaku Zasshi** 1983 Oct;57(10):853–61
[Ecological studies on the microbial flora of raw oysters (Crassostrea gigas) harvested in Hiroshima and the Tohoku district] Konuma H. **Nippon Ika Daigaku Zasshi** 1983 Dec; 50(6):788–803 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Hemagglutination patterns of Aeromonas spp. in relation to biotype and source. Burke V, et al. **J Clin Microbiol** 1984 Jan;19(1):39–43
Enhancement of bacterial adhesion by shear forces: characterization of the haemagglutination induced by Aeromonas salmonicida strain 438. Brooks DE, et al. **J Gen Microbiol** 1983 Dec;129 (Pt 12):3661–9
Aeromonas: biology of the organism and diseases in children. Freij BJ. **Pediatr Infect Dis** 1984 Mar-Apr;3(2):164–75 (161 ref.)

AEROPHAGY

ETIOLOGY

Aerophagia and depression: case report. D'Mello D. **J Clin Psychiatry** 1983 Oct;44(10):387–8

THERAPY

Behavioural techniques in the management of aerophagia in patients with hiatus hernia. Calloway SP, et al. **J Psychosom Res** 1983;27(6):499–502

AEROSOL PROPELLANTS see under **AEROSOLS**

AEROSOLS

Effect of an air-venting filter device on aerosol production from vials. Hoy RH, et al. **Am J Hosp Pharm** 1984 Feb; 41(2):324–6
Relationship between regional ventilation and aerosol deposition in tidal breathing. Trajan M, et al. **Am Rev Respir Dis** 1984 Jul;130(1):64–70
A simple separator to generate half micron aqueous particles for lung imaging. Royston D, et al. **Br J Radiol** 1984 Mar; 57(675):223–9
Oxygen as a driving gas for nebulisers: safe or dangerous? [letter] Austin SJ, et al. **Br Med J [Clin Res]** 1984 Feb 11;288(6415):488
Oxygen as a driving gas for nebulisers: safe or dangerous? Gunawardena KA, et al. **Br Med J [Clin Res]** 1984 Jan 28;288(6413):272–4
Addiction to aerosol treatment: the asthmatic alternative to glue sniffing. Thompson PJ, et al. **Br Med J [Clin Res]** 1983 Nov 19;287(6404):1515–6
Physical properties of aerosols produced by several jet- and ultrasonic nebulizers. Sterk PJ, et al. **Bull Eur Physiopathol Respir** 1984 Jan-Feb;20(1):65–72
Delivery of sodium cromoglycate by pressurized aerosol. Lozewicz S, et al. **Clin Allergy** 1984 Mar;14(2):187–91
Pediatric aerosol therapy guidelines. Indications, techniques, and dosages. Alderson SH, et al. **Clin Pediatr (Phila)** 1984 Oct;23(10):553–7
A perspective on particulate size analysis of consumer aerosol products. Halbert MK. **Environ Res** 1984 Feb;33(1):189–200 (44 ref.)
Inhalation chamber with size discriminator for liquid aerosols. Tsuda S, et al. **Fundam Appl Toxicol** 1984 Jun; 4(3 Pt 1):378–87
The calculation of total transformations in organs following the inhalation of radioactive aerosols of different sizes. Maillie HD. **Health Phys** 1984 Mar;46(3):587–97
Penetration of submicron aerosols through high-efficiency air filters. Yamada Y, et al. **Health Phys** 1984 Mar; 46(3):543–7
Aerosol-bibliography 1980-1983. Gottschalk B. **Int J Biometeorol** 1984 Jul;28(3):235–55
Topical administration of medications in the lungs. MCElnay JC, et al. **J Clin Hosp Pharm** 1983 Sep;8(3):259–64
Bacterial air counts obtained with a centrifugal (RCS) sampler and a slit sampler—the influence of aerosols. Casewell MW, et al. **J Hosp Infect** 1984 Mar;5(1):76–82
Cascade impactor method for the droplet size characterization of a metered-dose nasal spray. Yu CD, et al. **J Pharm Sci** 1984 Mar;73(3):344–8
Ultrasonic and jet aerosolization of phospholipids and the effects on surface activity. Marks LB, et al. **Pediatr Res** 1983 Sep;17(9):742–7
Aerosol particle impaction in the conducting airways. Agnew JE, et al. **Phys Med Biol** 1984 Jul;29(7):767–77
A microcomputer based system for quantifying the spatial distribution of inhaled particles in histological lung sections. Birchall A, et al. **Phys Med Biol** 1984 Jan;29(1):31–43
Experiences with large doses of beta 2-agonists inhaled from nebulizers. Larsson S. **Postgrad Med J** 1983;59 Suppl 3:71–2
Distribution and clearance of radioactive aerosol on the nasal mucosa. McLean JA, et al. **Rhinology** 1984 Mar;22(1):65–75
Therapeutic aerosols 2—Drugs available by the inhaled route. Clarke SW, et al. **Thorax** 1984 Jan;39(1):1–7 (75 ref.)
Factors influencing the size distribution of aerosols from jet nebulisers. Clay MM, et al. **Thorax** 1983 Oct;38(10):755–9
Therapeutic aerosols 1—physical and practical considerations. Newman SP, et al. **Thorax** 1983 Dec; 38(12):881–6 (51 ref.)
[Inhalative steriod treatment in bronchial asthma] Stiksa G. **Schweiz Med Wochenschr** 1984 May 12;114(19):642–8 (Eng. Abstr.) **(Ger)**
[The use of aerosols in the treatment of respiratory diseases (editorial)] Ophir O, et al. **Harefuah** 1984 Feb 1; 106(3):142–3 **(Heb)**
[Evaluation of aerosol air pollution in the operating room] Toskin KD, et al. **Klin Khir** 1984 Jan;(1):42–4 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

An explosive spray [letter] Miller R, et al. **Anaesthesia** 1983 Nov;38(11):1101
Oxygen as a driving gas for nebulisers: safe or dangerous? [letter] Hadfield JW, et al. **Br Med J [Clin Res]** 1984 Mar

10;288(6419):795
A new high-pressure injection injury of the hand. Craig EV. **J Hand Surg [Am]** 1984 Mar;9(2):240-2

ANALYSIS

Aerosols generated by accidents: pressurized liquid release experiments. Sutter SL, et al. **Am Ind Hyg Assoc J** 1984 Apr;45(4):227-30
[Determination of trichloroethylene and tetrachloroethylene in aerosol products by head space gas chromatography] Kojima S, et al. **Eisei Shikenjo Hokoku** 1983;(101):27-32 (Eng. Abstr.) **(Jpn)**
[Simultaneous determination of multiple elements in airborne particulate samples by X-ray fluorescence spectrometry] Takada T, et al. **Sangyo Igaku** 1983 Jul;25(4):235-44 (Eng. Abstr.) **(Jpn)**
[Solubility study of the solid component of welding aerosols] Voitkevich VG, et al. **Gig Sanit** 1984 Feb;(2):72-4 **(Rus)**

DIAGNOSTIC USE

Diagnostic use of radioaerosols. Matthys H, et al. **Arch Monaldi** 1982 Jan-Apr;37(1-2):3-10

POISONING

[Poisoning with leather-impregnation sprays. A retrospective analysis of 224 cases of poisoning] Okonek S, et al. **Dtsch Med Wochenschr** 1983 Dec 9;108(49):1863-7 (Eng. Abstr.) **(Ger)**

STANDARDS

Deposition pattern of droplets from medical nebulizers in the human respiratory tract. Stahlhofen W, et al. **Bull Eur Physiopathol Respir** 1983 Sep-Oct;19(5):459-63

AEROSPACE MEDICINE

see related
ACCIDENTS, AVIATION
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'The way to the discovery on the rotation of the universe by the Austrian Extraterrestrial vestibular research (ExTV)'. Pichler HJ. **Acta Otolaryngol [Suppl] (Stockh)** 1984;406:282-7
Investigations of exercise adaptation of the cardiovascular system in pilots breathing an oxygen-poor gas mixture. Part I. Analysis of haemodynamic parameters. Mazurek K. **Acta Physiol Pol** 1983 May-Jun;34(3):277-83
Investigations of exercise adaptation of the cardiovascular system in pilots breathing an oxygen-poor gas mixture. Part II. Analysis of polycardiographic parameters. Mazurek K. **Acta Physiol Pol** 1983 May-Jun;34(3):285-91
More on psychiatry and space flight [letter] Jones DR. **Am J Psychiatry** 1984 Jul;141(7):918
Air travel and patients with chronic obstructive pulmonary disease. Gong H Jr. **Ann Intern Med** 1984 Apr;100(4):595-7
Air travel hypoxemia with chronic obstructive pulmonary disease. Schwartz JS, et al. **Ann Intern Med** 1984 Apr; 100(4):473-7
Microgravity medical effects still prevent humans from calling space 'home' [news] Gunby P. **Arch Intern Med** 1984 Jan;144(1):23, 27
Aerospace Medical Association. Directory of members. **Aviat Space Environ Med** 1984 Sep;55(9):800-86
Aerospace Medical Association. Directory. **Aviat Space Environ Med** 1983 Sep;54(9):783-879
US/USSR space biology and medicine. **Aviat Space Environ Med** 1983 Dec;54(12 Pt 2):S1-72
Othematoma associated with ill-fitting helmet and high G load: a case report. Aghina JC. **Aviat Space Environ Med** 1984 Feb;55(2):143-4
Personality profiles of pilots. Ashman A, et al. **Aviat Space Environ Med** 1983 Oct;54(10):940-3
Sarcoidosis in aircrew. Balfour AJ. **Aviat Space Environ Med** 1982 Mar;53(3):269-72
Water survival: 20 years Canadian Forces aircrew experience. Brooks CJ, et al. **Aviat Space Environ Med** 1984 Jan;55(1):41-51
Significance of headrest geometry in +Gz protective seats. Burns JW, et al. **Aviat Space Environ Med** 1984 Feb; 55(2):122-7
Phenytoin: ineffective against acute mountain sickness. Burse RL, et al. **Aviat Space Environ Med** 1982 Mar;53(3):221-5
The consequences of in-flight incapacitation in civil aviation. Chapman PJ. **Aviat Space Environ Med** 1984 Jun; 55(6):497-500
The international standardization of the medical certification of civil aircrew. Clarke WR. **Aviat Space Environ Med** 1984 May;55(5): 398-402
Effects of personality on body temperature and mental efficiency following transmeridian flight. Colquhoun WP. **Aviat Space Environ Med** 1984 Jun;55(6):493-6
Small hospital support of unscheduled overnight air evacuation. Cook RL. **Aviat Space Environ Med** 1984 Jan; 55(1):69-71
Total colectomy with mucosal protectomy and ileoanal anastomosis--an important surgical option in the aviator with premalignant disease of the colon. Countryman D, et al. **Aviat Space Environ Med** 1983 Dec;54(12 Pt 1):1119-22
The sickle cell trait in relation to the training and assignment of duties in the armed forces: II. Aseptic splenic necrosis. Diggs LW. **Aviat Space Environ Med** 1984 Apr;55(4):271-6
The aviator after Nissen repair: gas bloat and other perils. Durning JP, et al. **Aviat Space Environ Med** 1983 Dec;54(12 Pt 1):1117-8
The wearing of hydrophilic contact lenses aboard a commercial jet aircraft: I. Humidity effects on fit. Eng WG, et al. **Aviat Space Environ Med** 1982 Mar;53(3):235-8
Mild hypoxia and the use of oxygen in flight. Ernsting J. **Aviat Space Environ Med** 1984 May;55(5):407-10
Tennis elbow in aviators. Farr RW. **Aviat Space Environ Med** 1982 Mar;53(3):281-2
Conditioned feeding suppression in rats produced by cross-coupled and simple motions. Fox RA, et al. **Aviat Space Environ Med** 1982 Mar;53(3):218-20
Lytic spondylolisthesis in helicopter pilots. Froom P, et al. **Aviat Space Environ Med** 1984 Jun;55(6):556-7
Hyperventilation in flight. Gibson TM. **Aviat Space Environ Med** 1984 May;55(5):412-4
Small airways, lung function and aviation. Green M. **Aviat Space Environ Med** 1984 May;55(5):415-8
Reduction of military high-altitude parachute entanglement using the controlled alternating parachute exit system. Hadley AT 3d, et al. **Aviat Space Environ Med** 1984 Jan; 55(1):65-8
Prognostic factors related to survival and complication-free times in airmen medically certified after coronary surgery. Hammond IW, et al. **Aviat Space Environ Med** 1984 Apr; 55(4):321-31
Vertical impact evaluation of the F/FB-111 crew restraint configuration, headrest position, and upper extremity bracing technique. Hearon BF, et al. **Aviat Space Environ Med** 1983 Nov;54(11):977-87
A review of ocular malingering and hysteria for the flight surgeon. Hesterberg RC Jr, et al. **Aviat Space Environ Med** 1983 Oct;54(10):934-6
Physiological biochemical, and performance responses to a 24-hour crash diet. Higgins EA, et al. **Aviat Space Environ Med** 1982 Mar;53(3):210-7
Age-specific morbidity among Navy pilots. Hoiberg A, et al. **Aviat Space Environ Med** 1983 Oct;54(10):912-8
The natural history of asthma: aeromedical implications. Hopkirk JA. **Aviat Space Environ Med** 1984 May; 55(5):419-21
Flying personnel and occlusal/mandibular dysfunction. Jacobus BB. **Aviat Space Environ Med** 1984 Feb;55(2):141-2
Psychiatric assessment of female fliers at the U.S. Air Force School of Aerospace Medicine (USAFSAM). Jones DR. **Aviat Space Environ Med** 1983 Oct;54(10):929-31
Standardization of units and symbols: revised. Kaufman WC, et al. **Aviat Space Environ Med** 1984 Feb;55(2):93-100
Cardiorespiratory assessment of 24-hour crash-diet effects on altitude, +Gz, and fatigue tolerances. Lategola MT, et al. **Aviat Space Environ Med** 1982 Mar;53(3):201-9
Medical results from STS 1-4: analysis of body fluids. Leach CS. **Aviat Space Environ Med** 1983 Dec;54(12 Pt 2):S50-4
US/USSR space biology and medicine. Leverett SD Jr. **Aviat Space Environ Med** 1983 Dec;54(12 Pt 2):S1-2
Prediction of arterial wall failure under acceleration stress in high-performance aircraft. McCormack PD. **Aviat Space Environ Med** 1984 Jul;55(7):620-31
Long-range air capability and the South Atlantic Campaign. Nicholson AN. **Aviat Space Environ Med** 1984 Apr; 55(4):269-70
Concepts for NASA longitudinal health studies. Nicogossian AE, et al. **Aviat Space Environ Med** 1983 Dec;54(12 Pt 2):S68-72
Increase in jammed word intelligibility due to training of listeners. Nixon CW, et al. **Aviat Space Environ Med** 1982 Mar;53(3):239-44
Nasal disease in relation to fitness of a pilot. Pickard BH. **Aviat Space Environ Med** 1984 May;55(5):429-30
Biomedical results of the Space Shuttle orbital flight test program. Pool SL, et al. **Aviat Space Environ Med** 1983 Dec;54(12 Pt 2):S41-9
After the fire-ball. Popplow JR. **Aviat Space Environ Med** 1984 Apr;55(4):337-8
Diurnal rhythmicity and Air Force flight accidents due to pilot error. Ribak J, et al. **Aviat Space Environ Med** 1983 Dec;54(12 Pt 1):1096-9
Head and neck injuries in Canadian Forces ejections. Rowe KW, et al. **Aviat Space Environ Med** 1984 Apr;55(4):313-5
Motion sickness susceptibility in student navigators. Royal L, et al. **Aviat Space Environ Med** 1984 Apr;55(4):277-80
Non-ejection cervical spine fracture due to defensive aerial combat maneuvering in an RF-4C: a case report. Schall DG. **Aviat Space Environ Med** 1983 Dec;54(12 Pt 1):1111-6
Meralgia paresthetica in aviation [letter] Shalev R, et al. **Aviat Space Environ Med** 1982 Mar;53(3):290
Spinal injury in a U.S. Army light observation helicopter. Shanahan DF, et al. **Aviat Space Environ Med** 1984 Jan; 55(1):32-40
Helicopter pilot back pain: a preliminary study. Shanahan DF, et al. **Aviat Space Environ Med** 1984 Feb;55(2):117-21
Subjective effects of combined-axis vibration: comparison of Y-axis and Y-plus-roll vibrations. Shoenberger RW. **Aviat Space Environ Med** 1984 May;55(5):387-90
Hemodynamic responses in orthostasis following 5 hours of sitting. Shvartz E, et al. **Aviat Space Environ Med** 1982 Mar;53(3):226-31
Syncope in aircrew. Sledge WH, et al. **Aviat Space Environ Med** 1982 Mar;53(3):258-65
Human cellular immune responsiveness following space flight. Taylor GR, et al. **Aviat Space Environ Med** 1983 Dec;54(12 Pt 2):S55-9
The effects of acceleration forces on night vision. Tipton DA, et al. **Aviat Space Environ Med** 1984 Mar;55(3):186-90
Medical results of Salyut-6 manned space flights. Vorobyov EI, et al. **Aviat Space Environ Med** 1983 Dec;54(12 Pt 2):S31-40
Coronary bypass surgery: military aviation medicine perspective. Wehrly DJ. **Aviat Space Environ Med** 1983 Nov;54(11):1043-6
Serial personality evaluations of repatriated U.S. Air Force Southeast Asia POWs. Wheatley RD, et al. **Aviat Space Environ Med** 1982 Mar;53(3):251-7
G-tolerance enhancement: straining ability comparison of aircrewmen, nonaircrewmen, and trained centrifuge subjects. Whinnery JE. **Aviat Space Environ Med** 1982 Mar; 53(3):232-4
Medical disqualification in USAF pilots and navigators. Whitton RC. **Aviat Space Environ Med** 1984 Apr; 55(4):332-6
Diagnosis of alcoholism [letter] Wick RL Jr. **Aviat Space Environ Med** 1982 Mar;53(3):290
Fitness and health measurement in air crew. Williamson WM, et al. **Br J Sports Med** 1984 Jun;18(2):110-5
A 1983 neuropharmacologic perspective of space sickness. Borison HL. **Brain Behav Evol** 1983;23(1-2):7-13
Isolated sleep paralysis after rapid time-zone change ('jet-lag') syndrome. Snyder S. **Chronobiologia** 1983 Oct-Dec;10(4):377-9
Prognostic significance of coronary angiography. Balcon R. **Eur Heart J** 1984 Mar;5 Suppl A:73-5 (10 ref.)
The problem of hypertension in aviators. Beevers DG. **Eur Heart J** 1984 Mar;5 Suppl A:29-32 (20 ref.)
Atrial fibrillation. Bennett D. **Eur Heart J** 1984 Mar;5 Suppl A:89-93 (32 ref.)
Second degree atrioventricular block. Bexton RS, et al. **Eur Heart J** 1984 Mar;5 Suppl A:111-4 (34 ref.)
First degree atrioventricular block. Bexton RS, et al. **Eur Heart J** 1984 Mar;5 Suppl A:107-9 (28 ref.)
Risk indicators for death in patients treated for hypertension; emphasis on consequences for airline pilots. Bulpitt CJ. **Eur Heart J** 1984 Mar;5 Suppl A:33-5 (9 ref.)
Congenital complete heart block. Camm AJ, et al. **Eur Heart J** 1984 Mar;5 Suppl A:115-7 (47 ref.)
Ventricular ectopic activity and its relevance to aircrew licensing. Campbell RW. **Eur Heart J** 1984 Mar;5 Suppl A:95-8 (28 ref.)
Routine and exercise electrocardiography in aircrew; technique, interpretation, and recommendations. Chamberlain DA. **Eur Heart J** 1984 Mar;5 Suppl A:55-60 (25 ref.)
Assessment of hypertrophic cardiomyopathy in potential aircrew. Gibson DG. **Eur Heart J** 1984 Mar;5 Suppl A:155-9 (31 ref.)
Aortic valve disease. Hall RJ. **Eur Heart J** 1984 Mar;5 Suppl A:135-9 (22 ref.)
The importance of minor abnormalities in the resting electrocardiogram. Hampton JR. **Eur Heart J** 1984 Mar; 5 Suppl A:61-3 (9 ref.)
Risk factors for coronary heart disease--assessment in airline pilots. Lewis B. **Eur Heart J** 1984 Mar;5 Suppl A:17-24 (32 ref.)
Flying and congenital heart disease. Macartney FJ. **Eur Heart J** 1984 Mar;5 Suppl A:147-54 (35 ref.)
Mitral leaflet prolapse. Malcolm AD. **Eur Heart J** 1984 Mar; 5 Suppl A:127-30 (38 ref.)
The prevention of ischaemic heart disease in flyers. Meade TW. **Eur Heart J** 1984 Mar;5 Suppl A:51-4 (27 ref.)
The patient after cardiac valve surgery--risks and complications. Parker DJ. **Eur Heart J** 1984 Mar;5 Suppl A:141-5 (30 ref.)
The airline pilot after coronary artery bypass grafting. Parker DJ. **Eur Heart J** 1984 Mar;5 Suppl A:77-9 (14 ref.)
Natural history of minor coronary events. Poole-Wilson PA. **Eur Heart J** 1984 Mar;5 Suppl A:69-72 (42 ref.)
Diuretics, potassium depletion and the risk of arrhythmias. Robertson JI. **Eur Heart J** 1984 Mar;5 Suppl A:25-8 (26 ref.)
Radionuclide imaging. Robinson P. **Eur Heart J** 1984 Mar; 5 Suppl A:65-8 (25 ref.)
Left and right bundle branch block, left anterior and left posterior hemiblock. Rowlands DJ. **Eur Heart J** 1984 Mar; 5 Suppl A:99-105
Sinus node arrest and sino--atrial block. Shaw DB, et al. **Eur Heart J** 1984 Mar;5 Suppl A:83-7 (49 ref.)
Mitral valve disease. Shiu MF. **Eur Heart J** 1984 Mar;5 Suppl A:131-4 (19 ref.)
Risk of a coronary heart attack in the normal population and how it might be modified in flyers. Tunstall-Pedoe H. **Eur Heart J** 1984 Mar;5 Suppl A:43-9 (10 ref.)
Influence of antihypertensive drugs on psychosensory and psychomotor performance tests. Turner P. **Eur Heart J** 1984 Mar;5 Suppl A:37-9 (11 ref.)
Ventricular pre-excitation. Ward D. **Eur Heart J** 1984 Mar; 5 Suppl A:119-24 (58 ref.)
Dilated cardiomyopathy. Webb-Peploe M. **Eur Heart J** 1984 Mar;5 Suppl A:161-4

Serum erythropoietin titers during prolonged bedrest; relevance to the 'anaemia' of space flight. Dunn CD, et al. **Eur J Applied Physiol** 1984;52(2):178–82

A comparison of rating scale, secondary-task, physiological, and primary-task workload estimation techniques in a simulated flight task emphasizing communications load. Casali JG, et al. **Hum Factors** 1983 Dec;25(6):623–41

Flying performance on the advanced simulator for pilot training and laboratory tests of vision. Kruk R, et al. **Hum Factors** 1983 Aug;25(4):457–66

Respiratory symptoms of flight attendants during high-altitude flight: possible relation to cabin ozone exposure. Tashkin DP, et al. **Int Arch Occup Environ Health** 1983;52(2):117–37

Women in space: a medical perspective. Santy PA. **J Am Med Wom Assoc** 1984 Jan–Feb;39(1):13–7

Mechanics of gliding in birds with special reference to the influence of the ground effect. Blake RW. **J Biomech** 1983; 16(8):649–54

The influence of aerodynamic and biomechanical factors on long jump performance. Ward-Smith AJ. **J Biomech** 1983; 16(8):655–8

A health profile of American flight attendants (FA). Smolensky MH, et al. **J Hum Ergol (Tokyo)** 1982;11 Suppl:103–19

The terminal P wave vector in lead V1 of the electrocardiogram in healthy young airmen. Lynch P. **J R Army Med Corps** 1983 Oct;129(3):133–4

Human factors and air operations in the South Atlantic campaign: discussion paper. Baird JA, et al. **J R Soc Med** 1983 Nov;76(11):933–7

Passive smoking and uptake of carbon monoxide in flight attendants [letter] Duncan DB, et al. **JAMA** 1984 May 25; 251(20):2658–9

Neonatal circumcision: attitudes and practices of United States Air Force physicians. Brownlee HJ Jr, et al. **Milit Med** 1984 Aug;149(8):462–4

Effectiveness of isolation in the reduction of cigarette smoking. Deaton JE. **Milit Med** 1983 Sep;148(9):750–3

Bacterial life in space [letter] **Nature** 1983 Dec 1–7; 306(5942):420

Aviation medicine, Part 3: Aerospace resuscitation and prevention of medical problems during and after flying. **NZ Med J** 1984 Sep 26;97(764):640–2

Aviation medicine part 1: Physiological changes during air transport. Johnson LF. **NZ Med J** 1984 Aug 22; 97(762):562–4

Aviation medicine part 2: Fitness to fly and the role of doctor travellers. Johnson LF. **NZ Med J** 1984 Sep 12; 97(763):602–5

The professional voice and airline flight [editorial] Feder RJ. **Otolaryngol Head Neck Surg** 1984 Jun;92(3):251–4

Oxygen concentration in commercial aircraft flights [letter] McLeskey CH, et al. **South Med J** 1983 Oct;76(10):1330

[Crossing time zones or jet-lag] Risbo A, et al. **Ugeskr Laeger** 1983 Aug 29;145(35):2645–9 (Eng. Abstr.) **(Dan)**

[The pilot and death] Galle-Tessonneau JR, et al. **Ann Med Psychol (Paris)** 1984 Feb;142(2):236–40 **(Fre)**

[Travel involving long-distance flights: health risks] Weber R, et al. **Med Monatsschr Pharm** 1984 May;7(5):147–51 **(Ger)**

[Preventive treatment of hay fever in flight personnel] Schlich G. **Med Welt** 1984 Feb 10;35(6):185–7 **(Ger)**

[Aerospace medicine and its scientific and technological fallout in the field of general biomedicine] Rotondo G. **Minerva Med** 1984 Jun 16;75(25):1475–92 (Eng. Abstr.) **(Ita)**

[Tachycardia in the pilot. Effects of the alertness state and of helicopter flight] Calcagnini G, et al. **Riv Med Aeronaut Spaz** 1982 Jan–Dec;47(1–4):65–77 (Eng. Abstr.) **(Ita)**

[Use of the rise in retinal central critical fusion frequency as an index of endurance of accelerations and their correlations with circulatory changes] Modugno GC, et al. **Riv Med Aeronaut Spaz** 1982 Jan–Dec;47(1–4):235–45 (Eng. Abstr.) **(Ita)**

[Behavior of central critical fusion frequency of the retina and various cardiocirculatory parameters (ECG, humeral arterial pressure and heart rate) in military jet pilots before and after operational flight] Ramacci CA, et al. **Riv Med Aeronaut Spaz** 1982 Jan–Dec;47(1–4):55–64 (Eng. Abstr.) **(Ita)**

[Behavior of critical fusion frequency in flight personnel after labyrinth rotoacceleratory stimulation] Rizzo P, et al. **Riv Med Aeronaut Spaz** 1982 Jan–Dec;47(1–4):189–200 (Eng. Abstr.) **(Ita)**

[The aged pilot. Aging and air piloting activity] Rotondo G, et al. **Riv Med Aeronaut Spaz** 1982 Jan–Dec;47(1–4):31–8 (Eng. Abstr.) **(Ita)**

[Practical applications of the most advanced methods to the solution of aviation medical problems] Rotondo G, et al. **Riv Med Aeronaut Spaz** 1982 Jan–Dec;47(1–4):215–24 (Eng. Abstr.) **(Ita)**

[The use of PERT in programming air rescue] Rotondo G, et al. **Riv Med Aeronaut Spaz** 1982 Jan–Dec;47(1–4):39–54 (Eng. Abstr.) **(Ita)**

[Tympanometry as an objective method of evaluating conditions of the middle ear in flight personnel] Sagnelli M, et al. **Riv Med Aeronaut Spaz** 1982 Jan–Dec; 47(1–4):267–73 (Eng. Abstr.) **(Ita)**

[Perceptual latencies, attention and air sickness] Sparvieri F. **Riv Med Aeronaut Spaz** 1982 Jan–Dec;47(1–4):85–98 (Eng. Abstr.) **(Ita)**

[Crossing time zones—jet lag] Risbo A, et al. **Nord Med** 1983; 98(11):266–9 (Eng. Abstr.) **(Nor)**

[Diagnosis of human psychophysiological status based on the pitch of the vowel 'A'] Akinshchikova GI, et al. **Kosm Biol Aviakosm Med** 1983 Sep–Oct;17(5):82–3 **(Rus)**

[Changes in the urea content of blood in hypokinesia] Balakhovskiĭ IS, et al. **Kosm Biol Aviakosm Med** 1983 Sep–Oct;17(5):45–8 (Eng. Abstr.) **(Rus)**

[Modeling cranio-cerebral injury for evaluation and elaboration of the methods of protection of pilots from an impact] Barer AS, et al. **Kosm Biol Aviakosm Med** 1983 Sep–Oct;17(5):7–12 (Eng. Abstr.) **(Rus)**

[Evaluation of the hemodynamic indices of a pilot in flight] Bednenko VS, et al. **Kosm Biol Aviakosm Med** 1984 Mar–Apr;18(2):50–4 (Eng. Abstr.) **(Rus)**

[Study of the cardiovascular system in long-term space flights] Egorov AD, et al. **Kosm Biol Aviakosm Med** 1983 Sep–Oct;17(5):4–6 (11 ref.) (Eng. Abstr.) **(Rus)**

[Objective evaluation of speech intelligibility during flight] Frolov MV, et al. **Kosm Biol Aviakosm Med** 1983 Sep–Oct; 17(5):80–1 **(Rus)**

[Evaluation of skeletal muscle tonus by the method of recording transverse rigidity] Gevlich GI, et al. **Kosm Biol Aviakosm Med** 1983 Sep–Oct;17(5):86–9 **(Rus)**

[Use of the experimental-psychological methods for evaluation of psychomotor performance of the flying personnel with functional disorders and diseases of the central nervous system] Lavrent'eva IN, et al. **Kosm Biol Aviakosm Med** 1983 Sep–Oct;17(5):76–80 (Eng. Abstr.) **(Rus)**

[Method of evaluation of cardiac function during bicycle ergometry test in aerospace medicine expert testimony] Mukhamedov EG. **Kosm Biol Aviakosm Med** 1983 Sep–Oct;17(5):84–6 **(Rus)**

[Dynamics of the changes in metabolic and endocrine processes in helicopter crews on commercial flights] Nosova IM, et al. **Kosm Biol Aviakosm Med** 1984 Mar–Apr; 18(2):43–7 (Eng. Abstr.) **(Rus)**

[Nutrition of aircraft crew members in emergency situations] Popov IG. **Kosm Biol Aviakosm Med** 1983 Sep–Oct; 17(5):12–24 (Eng. Abstr.) **(Rus)**

[Metabolism and nutritional status in plane crash situations without food reserves or with low-calorie rations] Popov IG, et al. **Kosm Biol Aviakosm Med** 1983 Nov–Dec; 17(6):49–60 (Eng. Abstr.) **(Rus)**

[Characteristics of the medical support for aviation and space flight] Rudnyi NM, et al. **Kosm Biol Aviakosm Med** 1983 Jul–Aug;17(4):4–9 (16 ref.) (Eng. Abstr.) **(Rus)**

[Method of evaluation of the degree of psychological stress in operators] Ryzhov BN, et al. **Kosm Biol Aviakosm Med** 1983 Sep–Oct;17(5):83–4 **(Rus)**

[Diagnosis of latent atherosclerotic stenosing lesions of large cerebral blood vessels in the flight personnel] Semenov BKh, et al. **Kosm Biol Aviakosm Med** 1983 Nov–Dec; 17(6):75–7 (Eng. Abstr.) **(Rus)**

[Physiological and ecological characteristics of Azolla pinnata and its possible use in biological life support systems] Shepelev ElA, et al. **Kosm Biol Aviakosm Med** 1983 Sep–Oct;17(5):66–9 (Eng. Abstr.) **(Rus)**

[Hemodynamic reactions to positive intrathoracic pressure in + Gz overload] Tikhonov MA, et al. **Kosm Biol Aviakosm Med** 1983 Sep–Oct;17(5):27–30 (Eng. Abstr.) **(Rus)**

[Changes in cardiac output and orthostatic tolerance of astronauts] Vasil'ev PV, et al. **Kosm Biol Aviakosm Med** 1983 Sep–Oct;17(5):25–7 (Eng. Abstr.) **(Rus)**

[Achievements of aviation medicine—practical implications] Vasil'ev PV, et al. **Kosm Biol Aviakosm Med** 1983 Nov–Dec;17(6):4–10 **(Rus)**

[Mechanisms of osteodystrophy in weightlessness] Volozhin AI. **Patol Fiziol Eksp Ter** 1984 Jan–Feb;(1):19–27 **(Rus)**

[Function of the auditory and vestibular analyzers during exposure to factors involved in aerospace flight] Lapaev EV, et al. **Probl Kosm Biol** 1983;47:1–240 (326 ref.) **(Rus)**

[Toward improvement of medical services for military and aviation personnel] **Voen Med Zh** 1983 Aug;(8):3–6 **(Rus)**

[Characteristics of the endocrine functions and lipid metabolism of flight personnel] Beleda RV, et al. **Voen Med Zh** 1984 Jul;(7):43–4 **(Rus)**

[Medico-psychological problems of the occupational fitness of flight personnel] Bodrov VA. **Voen Med Zh** 1984 Apr; (4):45–7 **(Rus)**

[Methods and means of increasing the work capacity of air force personnel] Bodrov VA. **Voen Med Zh** 1983 Nov; (11):40–4 **(Rus)**

[Basic mechanisms of functional disorders in the body during hyperbaric oxygenation] Cherniakov IN. **Voen Med Zh** 1983 Dec;(12):50–2 **(Rus)**

[Methods of evaluating cardiac rhythm as an indicator of functional status of pilots during flight] Doroshev VG, et al. **Voen Med Zh** 1984 Jan;(1):46–8 **(Rus)**

[Criteria for assessing personality traits for determining the occupational suitability of candidates for flight school] Gavrilichev AL, et al. **Voen Med Zh** 1984 Mar;(3):53–4 **(Rus)**

[Direct electric stimulation of the upper urinary tract in ureteral calculi in pilots] Gus'kov AR. **Voen Med Zh** 1983 Aug;(8):52–4 **(Rus)**

[Visual monitoring of pilotage-navigational instrumentation by pilots during flight] Litovchenko VV, et al. **Voen Med Zh** 1983 Oct;(10):70–2 **(Rus)**

[Physical exercise in prevention of flight fatigue] Lobzha MT. **Voen Med Zh** 1983 Jul;(7):52–3 **(Rus)**

[Predicting the success in the training of pilots] Marishchuk VL, et al. **Voen Med Zh** 1984 May;(5):45–7 **(Rus)**

[Anomalies of articular tropism and spinal osteochondrosis in flight personnel] Poletaev RV. **Voen Med Zh** 1984 Jun; (6):44–6 **(Rus)**

[Morpho-functional characteristics of lymphocytes in pilots] Sigulia EE. **Voen Med Zh** 1983 Jul;(7):56 **(Rus)**

[Assessment of the adaptive autoregulation of heart rate during active orthostatic testing] Zhevzhik AI, et al. **Voen Med Zh** 1983 Oct;(10):43–5 **(Rus)**

[Information value of direct indices of pilot work capacity before a flight] Zorilé VI, et al. **Voen Med Zh** 1984 Feb; (2):43–6 **(Rus)**

[Problems of international cooperation in the field of space biology and the space medicine program] Praslička M. **Cas Lek Cesk** 1984 Mar 30;123(13):369–75 **(Slo)**

[Traveling in airplanes (editorial)] Battestini R. **Med Clin (Barc)** 1983 Oct 15;81(11):479–81 **(Spa)**

EDUCATION

The Wright stuff. Edwards KS. **Ohio State Med J** 1984 Jan; 80(1):44–8

HISTORY

The beginnings of aviation medicine in Germany. Lauschn-, EA. **Aviat Space Environ Med** 1984 May;55(5): 355–7

The United States Air Force medical service: tumultuous years of heritage and history. Meiling RL. **Aviat Space Environ Med** 1984 Jul;55(7):642–56

The adaptability rating for military aeronautics: an historical perspective of a continuing problem. Mills JG, et al. **Aviat Space Environ Med** 1984 Jun;55(6):558–62

The U.S. Flight Nurse: a supplementary bibliography. Skinner RE. **Aviat Space Environ Med** 1983 Aug; 54(8):735–7

Aviation medicine? Mackenzie Hume WG. **Br Med J [Clin Res]** 1983 Dec 24–31;287(6409):1950–2

Joseph Kerwin—America's first physician to fly in space. Kyle RA, et al. **JAMA** 1983 Nov 25;250(20):2813

[Health service of the 1st Polish Independent Parachute Brigade during the Market-Garden operation—reports of the participants] Rudnicki J. **Arch Hist Med (Warsz)** 1984; 47(1):127–31 (Eng. Abstr.) **(Pol)**

[Outstanding aviation physician (Valeriĭ Nikolaevich Samus')] Pakhomov AF. **Voen Med Zh** 1983 Aug;(8):7–10 **(Rus)**

INSTRUMENTATION

[Effectiveness of the oxygen apparatus with the intermittent positive pressure breathing system] Cherniakov IN, et al. **Voen Med Zh** 1983 Sep;(9):41–3 **(Rus)**

STANDARDS

Follow-up of 14 abnormal electroencephalograms in asymptomatic U.S. Air Force Academy cadets. Everett WD, et al. **Aviat Space Environ Med** 1982 Mar;53(3):277–80

Aviation accident risk and aircrew licensing. Bennett G. **Eur Heart J** 1984 Mar;5 Suppl A:9–13 (14 ref.)

TRENDS

Social control function of holistic health care in bureaucratic settings: the case of space medicine. Kotarba JA. **J Health Soc Behav** 1983 Sep;24(3):275–88

[Aerospace medicine today, in Italy] Rotondo G. **Minerva Med** 1983 Oct 6;74(38):2247–8 **(Ita)**

AESCULUS

Toxicity of seeds of three Aesculus spp to chicks and hamsters. Williams MC, et al. **Am J Vet Res** 1984 Mar; 45(3):539–42

AET

ANALOGS & DERIVATIVES

[Increase in radiation effectiveness by adeturon in mice with Lewis carcinoma] Mircheva II. **Radiobiologiia** 1984 Mar–Apr;24(2):258–61 (Eng. Abstr.) **(Rus)**

DIAGNOSTIC USE

Use of a modified procedure for treating small amounts of red blood cells with 2-aminoethylisothiouronium bromide. Ellisor SS, et al. **Am J Clin Pathol** 1984 Oct;82(4):439–41

PHARMACODYNAMICS

Effect of aminoethyl-isothiuronium (AET) treatment on intestinal cell proliferation during ageing. Pénzes L, et al. **Acta Med Hung** 1983;40(4):251–7

AFFECT

Teacher training in affective education for the prima.y prevention of adolescent drug abuse. Malvin JH, et al. **Am J Drug Alcohol Abuse** 1984;10(2):223–35

The effect of psychological type on the mood and meaning of two college activities. Carter BA, et al. **Am J Occup Ther** 1983 Oct;37(10):688–93

Cognitive and affective features in childhood psychosis. Sloate PL, et al. **Am J Psychother** 1983 Jul;37(3):376–86

Establishing an 'affective scale' for odor preferences of infant rats. Brown RE, et al. **Behav Neural Biol** 1983 Jul; 38(2):251–60

Effects of distraction on thinking and affect in depressed patients. Fennell MJ, et al. **Br J Clin Psychol** 1984 Feb; 23 (Pt 1):65–6

Correlates of changes in personal construing of members of two psychotherapy groups: changes in affective expression. Koch HC. **Br J Med Psychol** 1983 Dec;56 (Pt 4):323–7

Facial affect recognition in schizophrenia. Is there a differential deficit? Novic J, et al. **Br J Psychiatry** 1984 May;144:533–7

Measurement of mood and affect in cancer patients. Gottschalk LA. **Cancer** 1984 May 15;53(10 Suppl):2236–42

Continuities and discontinuities in affective and cognitive–motivational development. Harmon RJ, et al. **Child Abuse Negl** 1984;8(2):157–67

From infant affect expression to symbolic play: the coherence of development in Down syndrome children. Motti F, et al. **Child Dev** 1983 Oct;54(5):1168–75 (32 ref.)

Noise: effect and aftereffect. Gawron VJ. **Ergonomics** 1984 Jan;27(1):5–18

Facial–affect recognition in normal preschool children and in senile elderly persons. Brosgole L, et al. **Int J Neurosci** 1983 Jul;20(1–2):91–102

Facial– and postural–affect recognition in senile elderly persons. Brosgole L, et al. **Int J Neurosci** 1983 Dec; 22(1–2):37–45

Familiarity–and–liking relationship under conditions of induced lateral orientation. Drake RA. **Int J Neurosci** 1984 Jun;23(3):195–8

The emotional impact of end–stage renal disease: importance of patients' perception of intrusiveness and control. Devins GM, et al. **Int J Psychiatry Med** 1983–84;13(4):327–43

Moods and the conservative process. Bollas C. **Int J Psychoanal** 1984;65 (Pt 2):203–12

On the psychoanalytic theory of affects. A historical and developmental review. Sandler J. **Isr J Psychiatry Relat Sci** 1983;20(1–2):81–94

Reflexiveness: structural principle for a course on values. Kaylor CE Jr. **J Allied Health** 1984 Feb;13(1):31–7

Smoking as a moderator of the relationship between affective state and absence from work. Parkes KR. **J Appl Psychol** 1983 Nov;68(4):698–708

Knowledge of strategies for the expression of emotion among normal and maladjusted boys: a research note. Taylor DA, et al. **J Child Psychol Psychiatry** 1984 Jan;25(1):141–5

Affective pattern recognition and schizophrenia. Andorfer JC. **J Clin Psychol** 1984 Mar;40(2):403–9

Group modification of affective verbalizations: reinforcement and therapist style effects. Fromme DK, et al. **J Clin Psychol** 1983 Nov;39(6):893–900

The Multiple Affect Adjective Check List: subscale intercorrelations from two independent studies. Peck DF, et al. **J Clin Psychol** 1984 Jan;40(1):123–5

Self–statement induction of mood: some variations and cautions on the Velten procedure. Schare ML, et al. **J Clin Psychol** 1984 Jan;40(1):97–9

Cognitive controls and aggression in children: the concept of cognitive–affective balance. Santostefano S, et al. **J Consult Clin Psychol** 1984 Feb;52(1):46–56

Emotional mood states and memory: elaborative encoding, semantic processing, and cognitive effort. Ellis HC, et al. **J Exp Psychol [Learn Mem Cogn]** 1984 Jul;10(3):470–82

Critical importance of exposure duration for affective discrimination of stimuli that are not recognized. Seamon JG, et al. **J Exp Psychol [Learn Mem Cogn]** 1984 Jul; 10(3):465–9

Affective discrimination of stimuli that are not recognized: effects of shadowing, masking, and cerebral laterality. Seamon JG, et al. **J Exp Psychol [Learn Mem Cogn]** 1983 Jul;9(3):544–55

Affective behavior of abused and control children: comparisons of parent–child interactions and the influence of home environment variables. Giblin PT, et al. **J Genet Psychol** 1984 Mar;144(1st Half):69–82

Marital interaction: physiological linkage and affective exchange. Levenson RW, et al. **J Pers Soc Psychol** 1983 Sep;45(3):587–97

Effects of severe daily events on mood. Stone AA, et al. **J Pers Soc Psychol** 1984 Jan;46(1):137–44

Type A and type B attentional responses to aesthetic stimuli: effects on mood and performance. Strube MJ, et al. **J Pers Soc Psychol** 1983 Dec;45(6):1369–79

The role of affect in the etiology of chronic headache. Arena JG, et al. **J Psychosom Res** 1984;28(1):79–86

Pain language: affect. Kremer EF, et al. **J Psychosom Res** 1984;28(2):125–32

Affect and research in medical education. Rezler AG, et al. **Med Educ** 1984 Sep;18(5):331–8

Pain sensitivity, mood and plasma endocrine levels in man following long–distance running: effects of naloxone. Janal MN, et al. **Pain** 1984 May;19(1):13–25

Some preliminary findings on new MAACL scales. Gosselin RY, et al. **Psychol Rep** 1983 Dec;53(3 Pt 2):1205–6

Affective, behavioral, and avoidance responses on the visual cliff: effects of crawling onset age, crawling experience, and testing age. Richards JE, et al. **Psychophysiology** 1983 Nov;20(6):633–41

Mood alteration with swimming—swimmers really do 'feel better'. Berger BG, et al. **Psychosom Med** 1983 Oct; 45(5):425–33

[Voice and communication of affects] Menahem R. **Annee Psychol** 1983;83(2):537–60 (52 ref.) (Eng. Abstr.) **(Fre)**

[Psychology of premature labor. 1. Literature review of the status of research. 2. Psychoanalytic aspects of the affective defense mechanisms of the mother] Bölter D. **Psychother Psychosom Med Psychol** 1984 Mar–Apr; 34(3–4):59–69 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Alcohol and sober mood state in female social drinkers. Birnbaum IM, et al. **Alcoholism (NY)** 1983 Fall;7(4):362–8

Are the endorphins involved in mediating the mood effects of ethanol? Ewing JA, et al. **Alcoholism (NY)** 1983 Summer; 7(3):271–5

Alcohol use, negative mood states, and menstrual cycle phases. Sutker PB, et al. **Alcoholism (NY)** 1983 Summer; 7(3):327–31

Effects of eight–hour naloxone infusions on human subjects. Grevert P, et al. **Biol Psychiatry** 1983 Dec;18(12):1375–92

Neuropsychiatric manifestations of human leukocyte interferon therapy in patients with cancer. Adams F, et al. **JAMA** 1984 Aug 17;252(7):938–41

Circadian variation in effects of ethanol in man. Lawrence NW, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:555–8

Acute alcohol intoxication, mood states and alcohol metabolism in women and men. Sutker PB, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:349–54

PHYSIOLOGY

Biochemical and mood responses predictive of stressful diving performance. Biersner RJ, et al. **J Human Stress** 1984 Spring;10(1):43–9

Alterations in cognitive performance and affect–arousal state during fluctuations in motor function in Parkinson's disease. Brown RG, et al. **J Neurol Neurosurg Psychiatry** 1984 May; 47(5):454–65

[Markers of stress states of an affective nature] Lecomte J, et al. **Acta Psychiatr Belg** 1983 May–Jun;83(3):255–66 (Eng. Abstr.) **(Fre)**

[Neuropsychophysiology of sensitivity and affectivity] Renner JP. **Actual Odontostomatol (Paris)** 1983 Dec; 144:625–47 **(Fre)**

AFFECTIVE DISORDERS

Affective sickness and normal behavior. Freedman A. **NC Med J** 1984 Mar;45(3):155–6

BLOOD

Serotonergic function in the affective disorders: the effect of antidepressants and lithium on the 5–hydroxytryptophan–induced increase in serum cortisol. Meltzer HY. **Ann NY Acad Sci** 1984;430:115–37 (88 ref.)

Effect of 5–hydroxytryptophan on serum cortisol levels in major affective disorders. II. Relation to suicide, psychosis, and depressive symptoms. Meltzer HY, et al. **Arch Gen Psychiatry** 1984 Apr;41(4):379–87

Effect of 5–hydroxytryptophan on serum cortisol levels in major affective disorders. III. Effect of antidepressants and lithium carbonate. Meltzer HY, et al. **Arch Gen Psychiatry** 1984 Apr;41(4):391–7

Plasma and red cell lithium in affective disorders [letter] Alvarez Martinez E, et al. **Br J Psychiatry** 1983 Sep; 143:311–2

Platelet receptor binding studies in affective disorders. Elliott JM. **J Affective Disord** 1984 Jun;6(3–4):219–39 (98 ref.)

Neuroendocrine strategies in affective disorders. Grof E, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1983; 7(4–6):557–62

CEREBROSPINAL FLUID

CSF tetrahydrobiopterin levels in patients with affective disorders [letter] Levine RA, et al. **Lancet** 1984 Feb 4; 1(8371):283

Cerebrospinal fluid somatostatin in primary affective disorder. Rubinow DR, et al. **Psychopharmacol Bull** 1983; 19(3):422–5

CHEMICALLY INDUCED

Tardive dysmentia: a reappraisal. Mukherjee S. **Schizophr Bull** 1984;10(2):151–3

CLASSIFICATION

The DSM–III classification of affective disorders. Spitzer RL, et al. **Acta Psychiatr Scand [Suppl]** 1983;310:106–16

COMPLICATIONS

Affective disorders in the mentally retarded [letter] **Am J Psychiatry** 1983 Nov;140(11):1539–40

A comparison of alcoholics with and without coexisting affective disorder. O'Sullivan K, et al. **Br J Psychiatry** 1983 Aug;143:133–8

Psychiatric morbidity in patients with alcoholic liver disease. Ewusi–Mensah I, et al. **Br Med J [Clin Res]** 1983 Nov 12;287(6403):1417–9

Mood changes in stroke patients: relationship to lesion location. Robinson RG, et al. **Compr Psychiatry** 1983 Nov–Dec;24(6):555–66

Phenomenologic relationship of eating disorders to major affective disorder. Hudson JI, et al. **Psychiatry Res** 1983 Aug;9(4):345–54

[Gastric dilatation without mechanical obstruction] Shimoni Z, et al. **Harefuah** 1983 Feb 15;104(4):144–5 (Eng. Abstr.) **(Heb)**

[Changes in dexamethasone test indices and reduction in the rate of serotonin absorption by thrombocytes in chronic alcoholics] Bokii IV, et al. **Zh Nevropatol Psikhiatr** 1984; 84(2):234–7 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Reliability of clinical assessment of blunted affect. Kitamura T, et al. **Acta Psychiatr Scand** 1984 Mar;69(3):242–9

Information from relatives. Diagnosis of affective disorders. Gershon ES, et al. **Arch Gen Psychiatry** 1984 Feb; 41(2):173–80

The occurrence of secondary affective disorder in an in–patient population with severe and recurrent affective disorder. Stancer HC, et al. **Br J Psychiatry** 1984 Jun; 144:630–5

Affective disorders: I. Recent advances in clinical conceptualization. Akiskal HS, et al. **Hosp Community Psychiatry** 1983 Aug;34(8):695–702 (58 ref.)

Saliva for monitoring of patients with primary affective disorders. Ben–Aryeh H, et al. **Isr J Med Sci** 1984 Mar; 20(3):197–201

The clinical utility of the dexamethasone suppression test in psychiatry. Summary of a National Institute of Mental Health workshop. Hirschfeld RM, et al. **JAMA** 1983 Oct 28;250(16):2172–4

Prominent features of depression in affective– and conduct–disordered inpatients. Berndt DJ, et al. **New Dir Ment Health Serv** 1984 Jun;(22):45–56

The impact of therapeutic advances in widening the nosologic boundaries of affective disorders: clinical and research implications. Akiskal HS, et al. **Pharmacopsychiatria** 1983 Jul;16(4):111–8

Long–term prognosis and course of schizo–affective, schizophreniform, and cycloid psychoses. Armbruster B, et al. **Psychiatr Clin (Basel)** 1983;16(2–4):156–68

Diagnosis and classification of affective disorders: new insights from clinical and laboratory approaches. Akiskal HS. **Psychiatr Dev** 1983 Summer;1(2):123–60 (143 ref.)

The DST as a clinical aid and research tool in patients with affective disorders. Rihmer Z, et al. **Psychopharmacol Bull** 1984 Winter;20(1):174–7 (28 ref.)

[Endogenous depression in children] Iovchuk NM. **Zh Nevropatol Psikhiatr** 1983;83(10):1518–22 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Carbamazepine for patients with affective target symptoms [letter] Jann MW, et al. **Drug Intell Clin Pharm** 1984 Jan; 18(1):81

Compliance with therapeutic regimens: a follow–up study for patients with affective disorders. Youssef FA. **J Adv Nurs** 1983 Nov;8(6):513–7

From the NIH. Consensus statement on 'mood disorders: pharmacologic prevention of recurrences' [news] **JAMA** 1984 Sep 14;252(10):1264

Therapeutic effects of GABA–ergic drugs in affective disorders. A preliminary report. Emrich HM, et al. **Pharmacol Biochem Behav** 1983 Aug;19(2):369–72

Clinical efficacy of deprenyl, a specific inhibitor of MAOB. **Psychopharmacol Bull** 1983;19(3):328–42

Biochemical mechanisms of action of carbamazepine in affective illness and epilepsy. Post RM, et al. **Psychopharmacol Bull** 1984 Summer;20(3):585–9

A randomized double blind group comparative study of sulpiride and amitriptyline in affective disorder. Standish–Barry HM, et al. **Psychopharmacology (Berlin)** 1983;81(3):258–60

Influence of age on lithium therapy. Slater V, et al. **South Med J** 1984 Feb;77(2):153–4, 158

[Lithium in erythrocytes—model value and clinical relevance] Peker J, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1984 Jan;36(1):12–7 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Social factors and affective disorder: an investigation of Brown and Harris's model. Campbell EA, et al. **Br J Psychiatry** 1983 Dec;143:548–53

Organic affective disorder and underlying thyrotoxicosis. Folks DG. **Psychosomatics** 1984 Mar;25(3):243–4, 249

[Mental disorders in acute and subacute brucellosis] Kassur B, et al. **Psychiatr Pol** 1983 Jul–Aug;17(4):281–6 (Eng. Abstr.) **(Pol)**

FAMILIAL & GENETIC

A developmental view of affective disturbances in the children of affectively ill parents. Cytryn L, et al. **Am J Psychiatry** 1984 Feb;141(2):219–22 (43 ref.)

Marital intimacy and family functioning. Waring EM, et al. **Psychiatr J Univ Ottawa** 1984 Mar;9(1):24–9

METABOLISM

Positron emission tomographic image measurement in schizophrenia and affective disorders. Buchsbaum MS, et al. **Ann Neurol** 1984;15 Suppl:S157–65

Circadian rhythms of hormones in primary affective disorders. Francesca B. **Cephalalgia** 1983 Aug;3 Suppl 1:105–10

Tetrahydrobiopterin metabolism in depression [letter] Blair JA, et al. **Lancet** 1984 Jul 21;2(8395):163

Receptor physiology and hormone secretion in affective illness. **Psychopharmacol Bull** 1983;19(3):479–95

Abnormalities in the primary affective disorders compared to other tricyclic-responsive disorders. Siever LJ, et al. **Psychopharmacol Bull** 1983;19(3):435–6

OCCURRENCE

Epidemiological study of psychiatric disorder in adolescent girls: preliminary communication. Graham P, et al. **J R Soc Med** 1984 May;77(5):387–9

PHYSIOPATHOLOGY

Electrodermal activity in euthymic patients with affective disorders: one-year retest stability and the effects of stimulus intensity and significance. Iacono WG, et al. **J Abnorm Psychol** 1984 Aug;93(3):304–11

Hypothalamic-pituitary-adrenal regulation, neurotransmitters and affective disorders. Janowsky DS, et al. **Peptides (Fayetteville)** 1983 Sep–Oct;4(5):775–84

A brief instrument for longitudinal monitoring of mood states. Eastwood MR, et al. **Psychiatry Res** 1984 Feb;11(2):119–25

Neuropsychobiology of circadian and seasonal rhythms: light as a 'drug'? **Psychopharmacol Bull** 1983;19(3):523–30

Neurohypophyseal function in affective illness. Gold PW, et al. **Psychopharmacol Bull** 1983;19(3):426–31

Deamplification of noradrenergic signal transfer by antidepressants: a unified catecholamine-serotonin hypothesis of affective disorders. Sulser F. **Psychopharmacol Bull** 1983;19(3):300–4

[Clinical evaluation of neuroendocrine tests in the diagnosis of depressive disorders] Cervera S, et al. **Actas Luso Esp Neurol Psiquiatr** 1983 Sep–Oct; 11(5):345–62 **(Spa)**

PREVENTION & CONTROL

Valproic acid amide as a prophylactic agent in affective and schizoaffective disorders. Pużyński S, et al. **Psychopharmacol Bull** 1984 Winter;20(1):151–9

PSYCHOLOGY

Pathological attachments and their relationship to affective disorders in adult life. Kestenbaum CJ. **Am J Psychoanal** 1984 Spring;44(1):33–49, 51–7

Blink rate and blunted affect among chronic schizophrenic patients. Kitamura T, et al. **Biol Psychiatry** 1984 Mar; 19(3):429–34

Predictability as an index of impaired verbal communication in schizophrenic and affective disorders. Ragin AB, et al. **Br J Psychiatry** 1983 Dec;143:578–83

Psychopathology in infancy and early childhood: clinical perspectives on the organization of sensory and affective-thematic experience. Greenspan SI, et al. **Child Dev** 1984 Feb;55(1):49–70

Affective profiles of chronically anxious patients. Hoehn-Saric R. **Hillside J Clin Psychiatry** 1983;5(1):43–56

Initial communications with the parents of emotionally disturbed university students. Rockwell WJ. **J Am Coll Health** 1983 Dec;32(3):104–9

Psychiatric aspects of complex partial seizures: case report. Pellegrini A, et al. **J Clin Psychiatry** 1984 Jun;45(6):269–71

Eating disorders: a variant of mood disorders? Hatsukami DK, et al. **Psychiatr Clin North Am** 1984 Jun;7(2):349–65

Social desirability and endorsement of irrational beliefs. Lohr JM, et al. **Psychol Rep** 1983 Oct;53(2):395–7

[Delusional thematic alternation and cyclothymia] Sizaret P, et al. **Ann Med Psychol (Paris)** 1983 Jul–Aug;141(7):721–30 (Eng. Abstr.) **(Fre)**

[Chronopathology of endogenous depressions] Richter P. **Nervenarzt** 1984 Mar;55(3):154–61 **(Ger)**

[Crimes of affect] Sass H. **Nervenarzt** 1983 Nov;54(11):557–72 **(Ger)**

[Onto- and phylogenesis of the affect system and its relation to psychiatric disorders] Krause R. **Psyche (Stuttg)** 1983 Nov;37(11):1016–43 (Eng. Abstr.) **(Ger)**

[Personality studies in patients with cyclophrenia] Linka M. **Psychiatr Pol** 1983;17(1):85–9 **(Pol)**

THERAPY

Hypnotherapeutic techniques in patients with affective instability. Gruber LN. **Am J Clin Hypn** 1983 Apr; 25(4):263–6

Management of affective disorders [letter] Berlyne N. **Br J Psychiatry** 1977 Aug;131:222

The clinical use of electroconvulsive therapy in old age. Karlinsky H, et al. **J Am Geriatr Soc** 1984 Mar;32(3):183–6

Assertiveness training for hospitalized, emotionally disturbed women. Fishel AH, et al. **J Psychosoc Nurs Ment Health Serv** 1983 Nov;21(11):22–7

AFFECTIVE DISORDERS, PSYCHOTIC

BLOOD

The effects of lithium treatment on cation transport processes in erythrocytes of patients with affective illnesses. Rybakowski J, et al. **Pol J Pharmacol Pharm** 1983 May–Jun;35(3):209–15

[Activity of the enzymes participating in the metabolism of biogenic amines in patients with depressive syndromes. II. Catechol-O-methyltransferase (COMT) activity in the soluble erythrocyte fraction] Matsumoto H, et al. **Psychiatr Pol** 1983;17(1):13–8 (Eng. Abstr.) **(Pol)**

[Activity of the enzymes participating in the metabolism of biogenic amines in patients with depressive syndromes. I. Platelet monoamine oxidase (MAO) activity] Matsumoto H, et al. **Psychiatr Pol** 1983;17(1):7–11 (Eng. Abstr.) **(Pol)**

CEREBROSPINAL FLUID

Brain purinergic activity linked with depressive symptomatology: hypoxanthine and xanthine in CSF of patients with major depressive disorders. Agren H, et al. **Psychiatry Res** 1983 Jul;9(3):179–89

CHEMICALLY INDUCED

[Acute psychoses and mood disorders in Parkinson disease. Role of antiparkinson therapy] Mouren P, et al. **Ann Med Psychol (Paris)** 1983 Sep–Oct;141(8):843–57 (Eng. Abstr.) **(Fre)**

CLASSIFICATION

Multi-axial classification of depression: MULTI-CLAD-2 case record system. Rafaelsen OJ, et al. **Acta Psychiatr Scand [Suppl]** 1983;310:85–102

COMPLICATIONS

Affective illness changing to paranoid state. Report on three elderly patients. Logsdail S. **Br J Psychiatry** 1984 Feb; 144:209–10

Psychomotor retardation and agitation in depression. Relationship to age, sex, and response to treatment. Avery D, et al. **J Affective Disord** 1984 Aug;7(1):67–76

Prevalence of tardive dyskinesia in affective disorder patients. Yassa R, et al. **J Clin Psychiatry** 1983 Nov;44(11):410–2

DIAGNOSIS

Growth hormone and prolactin response to apomorphine in schizophrenia and the major affective disorders. Relation to duration of illness and depressive symptoms. Meltzer HY, et al. **Arch Gen Psychiatry** 1984 May;41(5):512–9

Affective disorders: I. Recent advances in clinical conceptualization. Akiskal HS, et al. **Hosp Community Psychiatry** 1983 Aug;34(8):695–702 (58 ref.)

The DST in psychotic depression: diagnostic and pathophysiologic implications. Schatzberg AF, et al. **Psychopharmacol Bull** 1984 Summer;20(3):362–4

[Clinical diagnosis of affective psychosis] Shen QJ. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1983 Dec; 16(6):378–81 **(Chi)**

[Usefulness of the dexamethasone suppression test in the diagnosis of affective disorders] Hanada K, et al. **Seishin Shinkeigaku Zasshi** 1983;85(11):819–21 **(Jpn)**

[Problem of disability evaluation in affective psychoses] Rajewski A, et al. **Psychiatr Pol** 1983 May–Jun;17(3):235–9 (Eng. Abstr.) **(Pol)**

[Characteristics of the clinical picture and pathomorphism of affective psychoses] Sonnik GT. **Vrach Delo** 1984 Mar; (3):99–101 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Prediction of affective psychoses response to lithium prophylaxis. The role of socio-demographic, clinical, psychological and biological variables. Maj M, et al. **Acta Psychiatr Scand** 1984 Jan;69(1):37–44

Common mechanism of action of biochemically 'specific' antidepressants. Potter WZ, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(1):153–61

Behavioral and neuroendocrine effects of opioid receptor agonists in psychopathologic states. Judd LL, et al. **Psychiatr Clin North Am** 1983 Sep;6(3):393–402 (39 ref.)

Indalpine, a specific 5HT uptake inhibitor, in delusional depression [letter] Jouvent R, et al. **Psychiatry Res** 1984 Apr;11(4):365–6

[Biochemical aspects of lithium and its applications in the field of psychiatry and hematology] Spinetti G, et al. **Minerva Psichiatr** 1983 Jul–Sep;24(3):97–102 (Eng. Abstr.) **(Ita)**

ENZYMOLOGY

[Cobalt-activated acylase activity in the serum of patients treated with lithium salts] Kiejna A, et al. **Pol Tyg Lek** 1983 Jul 25;38(30):921–3 (Eng. Abstr.) **(Pol)**

[Activity of the enzymes participating in the metabolism of biogenic amines in patients with depressive syndromes. III. Dopamine beta-hydroxylase (DBH) activity in the serum] Matsumoto H, et al. **Psychiatr Pol** 1983;17(1):19–23 (Eng. Abstr.) **(Pol)**

ETIOLOGY

Psychiatric illness in relatives of probands with delusional depression. Prusoff BA, et al. **Psychopharmacol Bull** 1984 Summer;20(3):358–61

Organic affective disorder associated with thyrotoxicosis. Young LD. **Psychosomatics** 1984 Jun;25(6):490–2

[The role of triggering factors in the pathogenesis of depressive syndromes] Strzyżewski W, et al. **Psychiatr Pol** 1983;17(1):31–7 (Eng. Abstr.) **(Pol)**

FAMILIAL & GENETIC

Children of emotionally disturbed mothers: problems and alternatives. Goodman SH. **Child Today** 1984 Mar–Apr; 13(2):6–9

The association of affective disorder with Huntington's disease in a case series and in families. Folstein S, et al. **Psychol Med** 1983 Aug;13(3):537–42

METABOLISM

Electrolyte metabolism in patients with periodic affective disorders during treatment with rubidium. Jenner FA, et al. **Psychopharmacology (Berlin)** 1983;81(4):301–9

[Urinary excretion of 5-hydroxyindoleacetic acid and serum tryptophan and serotonin levels in patients with depression] Pietruszewska I, et al. **Psychiatr Pol** 1984 Jan–Feb; 18(1):9–16 (Eng. Abstr.) **(Pol)**

OCCURRENCE

Affective disorders: analysis of 175 patients. Narang RL, et al. **J Indian Med Assoc** 1983 Sep;81(5–6):74–7

PHYSIOPATHOLOGY

Behavioral effects of opioid receptor antagonists in psychopathologic states. Janowsky DS, et al. **Psychiatr Clin North Am** 1983 Sep;6(3):403–14 (75 ref.)

[Clinical significance of the dexamethasone suppression test] Nishimon K, et al. **Seishin Shinkeigaku Zasshi** 1983; 85(11):821–3 **(Jpn)**

PREVENTION & CONTROL

Recurrence of affective illness after withdrawal of long-term lithium treatment. Sashidharan SP, et al. **Acta Psychiatr Scand** 1983 Aug;68(2):126–33

PSYCHOLOGY

Lateral ventricular size, psychopathology, and medication response in the psychoses. Luchins DJ, et al. **Biol Psychiatry** 1984 Jan;19(1):29–44

Stress factors in affective diseases. Bidzińska EJ. **Br J Psychiatry** 1984 Feb;144:161–6

Ego function assessment of schizo-affective patients as compared to schizophrenic and affective psychotic patients. Dahl AA. **Psychiatr Clin (Basel)** 1983;16(2–4):275–85

[Fluctuating mood vs. affective psychoses: what is the normal range?] Lowental U. **Harefuah** 1983 Apr 15;104(8):355–7 **(Heb)**

THERAPY

Electroconvulsive therapy and the seizure threshold. Martin BA, et al. **Can J Psychiatry** 1983 Oct;28(6):445–8

AFFECTIVE PSYCHOSIS, BIPOLAR see **BIPOLAR DISORDER**

AFFECTIVE SYMPTOMS

see related
EMOTIONS

Effects of selected activities on affective meaning in psychiatric patients. Kremer ER, et al. **Am J Occup Ther** 1984 Aug;38(8):522–8

Emotional distress amongst the supporters of the elderly mentally infirm. Gilleard CJ, et al. **Br J Psychiatry** 1984 Aug;145:172–7

COMPLICATIONS

Emotions and asthma I. Bengtsson U. **Eur J Respir Dis [Suppl]** 1984;136:123–9

Emotions and asthma II. Tunsäter A. **Eur J Respir Dis [Suppl]** 1984;136:131–7

The outcome of menorrhagia: a retrospective case control study. Stott PC. **J R Coll Gen Pract** 1983 Nov; 33(256):715–20

Emotional experiences associated with chronic disorders of the large bowel. Shoenberg PJ. **Practitioner** 1984 Sep; 228(1395):813–7

[Personality factors in patients with diseases of the locomotor system] Švarcová J, et al. **Fysiatr Reumatol Vestn** 1984 Apr; 62(2):71–9 (Eng. Abstr.) **(Cze)**

DIAGNOSIS

Clinical assessments and maternal judgments: concurrent and predictive relationships. Reinherz H, et al. **Am J Orthopsychiatry** 1984 Apr;54(2):236–49

Alexithymia: concept, measurement, and implications for treatment. Taylor GJ. **Am J Psychiatry** 1984 Jun; 141(6):725–32 (100 ref.)

Differential diagnosis of emotional disorders that cause weight loss. Garfinkel PE, et al. **Can Med Assoc J** 1983 Nov 1;129(9):939–45 (47 ref.)

Diagnosing and responding to emotional abuse within the helping system. Fortin PJ, et al. **Child Abuse Negl** 1984; 8(1):117–9

Alexithymia: towards validation and measurement. Gardos G, et al. **Compr Psychiatry** 1984 May–Jun;25(3):278–82

Preschool teachers' ratings of behavioral problems: observational, sociometric, and social–cognitive correlates. Rubin KH, et al. **J Abnorm Child Psychol** 1983 Jun; 11(2):273–85

Emotional and learning disorders in 6–12–year–old boys attending special schools. Harris JC, et al. **J Am Acad Child Psychiatry** 1984 Jul;23(4):431–7

Detection and treatment of emotionally disturbed children in public schools: problems and theoretical perspectives. Long KA, et al. **J Clin Psychol** 1984 Jan;40(1):378–90

On the multivariate analysis of clinical group profiles: comment on Coolidge. Dean RS. **J Consult Clin Psychol** 1984 Apr;52(2):306

A framework for assessing the psychologic functioning of adolescents. Blotcky AD. **JDBP** 1984 Apr;5(2):74–7

Evaluating the Malaise Inventory. An item analysis. Hirst MA. **Soc Psychiatry** 1983;18(4):181–4

How the psychiatrist can help. Graham PP. **Spec Educ Forward Trends** 1983 Dec;10(4):33–4

[Alexithymia. A new syndrome?] Luminet D. **Acta Psychiatr Belg** 1983 May–Jun;83(3):289–94 (Eng. Abstr.) **(Fre)**

[The general practitioner in the detection of emotional disorders] Padilla GP, et al. **Salud Publica Mex** 1984 Mar–Apr;26(2):138–45 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Pathologic laughing and crying treated with levodopa. Udaka F, et al. **Arch Neurol** 1984 Oct;41(10):1095–6

Multicenter study comparing thioridazine with diazepam and placebo in elderly, nonpsychotic patients with emotional and behavioral disorders. Stotsky B. **Clin Ther** 1984; 6(4):546–59

Behavioral effects of carbamazepine after single and repeated administration in emotionally labile subjects. Janke W, et al. **Neuropsychobiology** 1983;10(4):217–27

Mental distress in mothers of young children in Harrogate. Berg I, et al. **Psychol Med** 1984 May;14(2):391–9

Treatment of emotional lability with low–dosage tricyclic antidepressants. Schiffer RB, et al. **Psychosomatics** 1983 Dec;24(12):1094–6

[Use of clobazam 20 mg in general practice] De Nayer AR, et al. **Acta Psychiatr Belg** 1983 Jul–Aug;83(4):407–28 (Eng. Abstr.) **(Fre)**

[Therapy and clinical course of emotional disorders] Mori O, et al. **Seishin Shinkeigaku Zasshi** 1983;85(9):631–5 **(Jpn)**

ENZYMOLOGY

Clinical characteristics of emotionally disturbed boys with very low activities of dopamine–beta–hydroxylase. Rogeness GA, et al. **J Am Acad Child Psychiatry** 1984 Mar; 23(2):203–8

ETIOLOGY

The disturbed child. How important is the family? Connell HM. **Aust Fam Physician** 1983 Jul;12(7):525–7

Mood change following bilateral hemisphere brain injury. Lipsey JR, et al. **Br J Psychiatry** 1983 Sep;143:266–73

Emotional reaction, health preoccupation and sexual activity two months after a myocardial infarction. Wiklund I, et al. **Scand J Rehabil Med** 1984;16(2):47–56

[Emotional pathology in a 7–year–old child after an earthquake] Rogé B, et al. **Ann Med Psychol (Paris)** 1984 Mar;142(3):432–7 **(Fre)**

[Pattern of defect syndrome in various clinical forms of primary schizophrenia] Termińska K. **Wiad Lek** 1983 Oct 1;36(19):1593–6 (Eng. Abstr.) **(Pol)**

[Methodological aspects in studying the pathogenesis of vasomotor and psychoemotional disorders in the climacteric syndrome] Tkachenko NM, et al. **Akush Ginekol (Mosk)** 1984 Feb;(2):10–5 (33 ref.) (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Correlation between the Minnesota Multiphasic Personality Inventory profiles of emotionally disturbed adolescents and their mothers. Smith PE, et al. **Adolescence** 1984 Spring; 19(73):31–8

Controlled psychodiagnostic studies of survivors of the Holocaust and their children. Rieck M, et al. **Isr J Psychiatry Relat Sci** 1983;20(4):312–24

IMMUNOLOGY

Correlation between emotional reaction to loss of an unborn child and lymphocyte response to mitogenic stimulation in women. Naor S, et al. **Isr J Psychiatry Relat Sci** 1983; 20(3):231–9

METABOLISM

Low metal levels in emotionally disturbed children. Marlowe M, et al. **J Abnorm Psychol** 1983 Aug;92(3):386–9

PATHOLOGY

[Role of structures in the left temporal lobe of the brain in the etiology of emotiono–affective disorders in epileptics] Rachkov BM, et al. **Zh Nevropatol Psikhiatr** 1984; 84(6):854–9 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Electrocortical measures of information processing deficit in anhedonia. Miller GA, et al. **Ann NY Acad Sci** 1984; 425:598–602

Neuroticism and the pupillary response to a brief exposure to noise. Antikainen J, et al. **Biol Psychol** 1983 Sep–Nov; 17(2–3):131–5

Auditory discrimination abilities of emotionally disturbed children in day psychiatric treatment: a replication study. Blager FB, et al. **J Aud Res** 1982 Apr;22(2):77–82

[Emotional disturbances and neuroendocrinology] Kishida T, et al. **Nippon Rinsho** 1983 May;41(5):1009–14 (11 ref.) **(Jpn)**

PREVENTION & CONTROL

Long–term effects of a school–based secondary prevention program for young maladapting children. Chandler CL, et al. **J Consult Clin Psychol** 1984 Apr;52(2):165–70

PSYCHOLOGY

Learning disabilities in the junior high school: creating the six–hour emotionally disturbed adolescent? Knoff HM. **Adolescence** 1983 Fall;18(71):541–50

An instrument for assessment of social–emotional adjustment in hearing–impaired preschoolers. Meadow KP. **Am Ann Deaf** 1983 Oct;128(6):826–34

Alexithymia: examining the development of a psychological concept. Lesser IM, et al. **Am J Psychiatry** 1983 Oct; 140(10):1305–8

Awareness of negative social conditions among mentally retarded, emotionally disturbed outpatients. Reiss S, et al. **Am J Psychiatry** 1984 Jan;141(1):88–90

'I'm upset, you're upset and so are my mum and dad'. Tonge BJ. **Aust Fam Physician** 1983 Jul;12(7):497–9

Effects on academic learning of manipulating emotional states and motivational dynamics. Boyle GJ. **Br J Educ Psychol** 1983 Nov;53 (Pt 3):347–57

An empirical analysis of behavioral and emotional problems of foster children as related to re–placement in care. Pardeck JT. **Child Abuse Negl** 1983;7(1):75–8

Depressive mood in adolescent, emotionally disturbed females: reliability and validity of an adjective checklist (C–DACL). Sokoloff RM, et al. **J Abnorm Child Psychol** 1983 Dec;11(4):531–6

Factors associated with a history of childhood sexual experience in a nonclinical female population. Sedney MA, et al. **J Am Acad Child Psychiatry** 1984 Mar;23(2):215–8

Major and minor life events as predictors of psychological distress: further issues and findings. Monroe SM. **J Behav Med** 1983 Jun;6(2):189–205

Emotional states and pain: intraindividual and interindividual measures of association. Shacham S, et al. **J Behav Med** 1983 Dec;6(4):405–19

Knowledge of strategies for the expression of emotion among normal and maladjusted boys: a research note. Taylor DA, et al. **J Child Psychol Psychiatry** 1984 Jan;25(1):141–5

Medication usage, emotional disturbance, and pain behavior in chronic low back pain patients. McCreary C, et al. **J Clin Psychol** 1984 Jan;40(1):15–9

Development of interpersonal understanding: a longitudinal and comparative study of normal and disturbed youths. Gurucharri C, et al. **J Consult Clin Psychol** 1984 Feb; 52(1):26–36

Social roles, sex roles and psychological distress: additive and interactive models of sex differences. Gore S, et al. **J Health Soc Behav** 1983 Dec;24(4):300–12

Mexican culture and its emotional contradictions. Mirowsky J, et al. **J Health Soc Behav** 1984 Mar;25(1):2–13

Impact of chronic and acute stressors on daily reports of mood. Eckenrode J. **J Pers Soc Psychol** 1984 Apr; 46(4):907–18

Causal attributions, sanctions, and normal mood variations. Wollert R, et al. **J Pers Soc Psychol** 1983 Nov; 45(5):1029–44

Reflection–impulsivity and short–term memory in emotionally disturbed children. Finch AJ Jr, et al. **J Psychol** 1984 Mar;116(2d Half):263–7

Neuroticism and religiosity among English schoolchildren. Francis LJ, et al. **J Soc Psychol** 1983 Oct;121(1st Half):149–50

Emotional, behavioral, and cognitive status of children with cerebral gigantism. Varley CK, et al. **JDBP** 1984 Jun; 5(3):132–4

Pregnancy after stillbirth or neonatal death. Psychological risks and management. Bourne S, et al. **Lancet** 1984 Jul 7;2(8393):31–3

The quietly disturbed adolescent. Ostrov E, et al. **New Dir Ment Health Serv** 1984 Jun;(22):73–81

Life events, relatives' expressed emotion and maintenance neuroleptics in schizophrenic relapse. Leff J, et al. **Psychol Med** 1983 Nov;13(4):799–806

Psychological distress and life events in neurotic patients. Canton G, et al. **Psychopathology** 1984;17(3):144–8

Relationship between alexithymia and somatic complaints in a normal sample. Cooper DE, et al. **Psychother Psychosom** 1984;41(1):20–4

A validity study of the MMPI Alexithymia subscale conducted on migraine headache outpatients. Federman R, et al. **Psychother Psychosom** 1984;41(1):29–32

Alexithymia in chronic bronchitis/emphysema patients. Communication of subjective symptomatology. Feiguine RJ, et al. **Psychother Psychosom** 1984;41(1):25–8

The effect of alexithymia on morbidity in hypertensives. Gage BC, et al. **Psychother Psychosom** 1984;41(3):136–44

Schalling–Sifneos personality scale: findings and recommendations. Martin JB, et al. **Psychother Psychosom** 1984;41(3):145–52

Psychometric properties of self–report scales of alexithymia. Shipko S, et al. **Psychother Psychosom** 1984;41(2):85–90

The relation of life stress and social support to emotional disequilibrium during pregnancy. Tilden VP. **Res Nurs Health** 1983 Dec;6(4):167–74

Emotional problems after stroke. Binder LM. **Stroke** 1984 Jan–Feb;15(1):174–7

Commentary: emotional problems of doctors. Silverman JJ. **Va Med** 1983 Nov;110(11):662–3

[Evaluation of alexithymic traits in bronchial asthma patients. Use of the Schalling Sifneos Personality Scale] Cabras PL, et al. **Riv Patol Nerv Ment** 1983 Jan–Feb;104(1):35–46 (Eng. Abstr.) **(Ita)**

REHABILITATION

Expanding the options for disturbed youth and their families. Van den Brink S. **Child Today** 1984 Mar–Apr;13(2):32–5

THERAPY

Evaluation of a residential treatment center for emotionally disturbed adolescents. Munson RF, et al. **Adolescence** 1984 Summer;19(74):253–61

Sexuality as a treatment issue with a special population of adolescents. Schneider S, et al. **Adolescence** 1984 Spring; 19(73):201–6

Serving children with emotional or behavior disorders: implications for educational policy. Forness SR, et al. **Am J Orthopsychiatry** 1984 Jan;54(1):22–32

Examination of the effectiveness of various treatment techniques for reducing tension. Banner CN, et al. **Br J Clin Psychol** 1983 Sep;22 (Pt 3):183–93

Analysis of emotional status during the hospital treatment of a borderline patient. Marziali E, et al. **Can J Psychiatry** 1984 Jun;29(4):347–9

Emotionally disturbed children in special schools: common factorial dimensions in three differing school settings. Stotsky BA, et al. **Child Psychiatry Hum Dev** 1983 Fall; 14(1):37–42

The family living model: five–day treatment in a rural environment. Tovey R. **Child Welfare** 1983 Sep–Oct; 62(5):445–9

Single–session psychotherapy. Rockwell WJ, et al. **Curr Psychiatr Ther** 1983;22:13–22

Does paying a fee for psychotherapy alter the effectiveness of treatment? Yoken C, et al. **J Consult Clin Psychol** 1984 Apr;52(2):254–60

Attending to the emotional problems of future physicians. Fogel BJ, et al. **J Fla Med Assoc** 1983 Dec;70(12):1111

Counseling approaches used with emotionally handicapped children. Evans SS, et al. **J Sch Health** 1984 Aug; 54(7):250–2

Children in classes for the severely emotionally handicapped. Silver AA. **JDBP** 1984 Apr;5(2):49–54

The 'dis–affected' patient: reflections on affect pathology. McDougall J. **Psychoanal Q** 1984 Jul;53(3):386–409

Psychotherapies for psychosomatic and alexithymic patients. Sifneos PE. **Psychother Psychosom** 1983;40(1–4):66–73

AFFERENT LOOP SYNDROME

COMPLICATIONS

[Case of the afferent loop syndrome with an acute course and iatrogenic duodenal fistula] Tasev Kh, et al. **Khirurgiia (Sofiia)** 1984;37(2):134–7 **(Bul)**

[Case of afferent loop obstruction with advanced jaundice] Sato H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 May; 80(5):1208–11 **(Jpn)**

DIAGNOSIS

Acute afferent loop syndrome simulating pancreatic pseudocysts. Diagnostic pitfall with CT. Sigurjónsson SV, et al. **ROFO** 1983 Dec;139(6):699–701

Afferent loop syndrome: diagnostic features with new imaging methods. Elyaderani MK, et al. **South Med J** 1984 Jun;77(6):779–81

[2 cases of afferent loop syndrome diagnosed by ultrasound] Yasumori K, et al. **Rinsho Hoshasen** 1983 Oct;28(10):1105–8 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

[Congestive loop syndrome after 3 cesarean sections] Regula J, et al. **Pol Tyg Lek** 1983 Oct 10;38(41):1289–90 (Eng. Abstr.) **(Pol)**

RADIONUCLIDE IMAGING

Technetium–99m HIDA hepatobiliary scanning in evaluation of afferent loop syndrome. Sivelli R, et al. **Am J Surg** 1984 Aug;148(2):262–5

Afferent loop obstruction documented with hepatobiliary imaging. Rao K, et al. **Gastrointest Radiol** 1983;8(4):345–7

AFFERENT PATHWAYS

ANATOMY & HISTOLOGY

Reticulospinal and vestibulospinal pathways in the snake Python regius. ten Donkelaar HJ, et al. **Anat Embryol (Berl)** 1983;168(2):277–89

Evidence for a direct projection from the superior temporal gyrus to the entorhinal cortex in the monkey. Amaral DG, et al. **Brain Res** 1983 Sep 26;275(2):263–77

The olivocerebellar projection in the rat: an autoradiographic study. Campbell NC, et al. **Brain Res** 1983 Sep 26; 275(2):215–33

Topographical localization in the olivocerebellar projection in the rat: an autoradiographic study. Campbell NC, et al. **Brain Res** 1983 Sep 26;275(2):235–49

Rat cerebellar afferents after unilateral pedunculotomy. A retrograde fluorescent double–labelling study. Payne JN, et al. **Brain Res** 1983 Dec;313(1):124–7

Vagal afferent C fibers projecting to the lateral descending trigeminal complex of crotaline snakes. Kishida R, et al. **Exp Brain Res** 1984;53(2):315–9

Projections from the pretectal complex to the thalamic lateral dorsal nucleus of the cat. Robertson RT, et al. **Exp Brain Res** 1983;51(2):157–71

Ascending somatosensory projections to the dorsal accessory olive: an anatomical study in cats. Molinari HH. **J Comp Neurol** 1984 Feb 10;223(1):110–23

Orthograde, retrograde, and turnaround axonal transport of dopamine–beta–hydroxylase: response to axonal injury. Schmidt RE, et al. **J Neurochem** 1984 Sep;43(3):865–70

An anatomical investigation of visual inputs to the cat orbital cortex. Maire E, et al. **Neurosci Lett** 1983 Dec 23;43(1):25–9

[Detection of the origin of the afferent sympathetic nerve fibers of the rat ventricular wall using the horseradish peroxidase method] Li GQ, et al. **Acta Acad Med Wuhan** 1983;3(3):152 **(Ger)**

CYTOLOGY

Identical immunoreactivity of afferents to the rat suprachiasmatic nucleus with antisera against avian pancreatic polypeptide, molluscan cardioexcitatory peptide and neuropeptide Y. Moore RY, et al. **Cell Tissue Res** 1984; 236(1):41–6

DRUG EFFECTS

Curare and the efferent vestibular system. An electrophysiological study in the frog. Caston J, et al. **Acta Otolaryngol (Stockh)** 1984 Jan–Feb;97(1–2):19–26

Comparative actions of glutamate and related substances on the lateral line of xenopus laevis. Bledsoe SC Jr, et al. **Comp Biochem Physiol [C]** 1983;75(2):199–206

Afferent C–fibres in rats after neonatal capsaicin treatment. Welk E, et al. **Pflugers Arch** 1984 Jan;400(1):66–71

GROWTH & DEVELOPMENT

The development of lamination of afferent fibers to the olfactory cortex in rats, with additional observations in the adult. Schwob JE, et al. **J Comp Neurol** 1984 Feb 20; 223(2):203–22

METABOLISM

Neuropeptides are present in projection neurones at all levels in visceral and taste pathways: from periphery to sensory cortex. Mantyh PW, et al. **Brain Res** 1984 May 14; 299(2):297–312

PHYSIOLOGY

Inhibitory influence of the nuclei of the posterior hypothalamus on the pro–oestrous surge of LH. Beltramino C, et al. **Acta Endocrinol (Copenh)** 1984 Apr;105(4):433–40

Vibrotactile thresholds in mechanoreceptive afferents innervating the foot pad of the cat. The importance of stimulus frequency and duration. Hämäläinen H, et al. **Acta Physiol Scand** 1984 Mar;120(3):321–7

Characteristics of afferent fiber innervation on acupuncture points zusanli. Lu GW. **Am J Physiol** 1983 Oct; 245(4):R606–12

Stimulation of pancreatic afferents reflexly activates the cardiovascular system in cats. Ordway GA, et al. **Am J Physiol** 1983 Dec;245(6):R820–6

Changes in posturo–kinetic limb responses to cortical stimulation following unilateral neck deafferentation in the cat. Gahéry Y, et al. **Arch Ital Biol** 1984 Jun;122(2):129–54

Fine afferent fibers from viscera do not terminate in the substantia gelatinosa of the thoracic spinal cord. Cervero F, et al. **Brain Res** 1984 Mar 5;294(2):370–4

Intermittent transmission in the reciprocal inhibitory pathway from flexor muscle Ia afferents to extensor motoneurons in man. Davies TW. **Brain Res** 1984 Mar 26;296(1):185–8

Cerebellar nuclear afferents from the lateral reticular nucleus in the cat. Dietrichs E. **Brain Res** 1983 Dec 12; 288(1–2):320–4

Regulation of locus coeruleus neurons and splanchnic, sympathetic nerves by cardiovascular afferents. Elam M, et al. **Brain Res** 1984 Jan 9;290(2):281–7

Anterograde axoplasmic transport of peroxidase in the rat visual system after intraocular neurotoxin injection. Gomez–Ramos P, et al. **Brain Res** 1984 Jan 9;290(2):211–8

Intrathecal apamin selectively facilitates activity in ascending axons of rat spinal cord evoked by stimulation of afferent C fibers in sural nerve. Jurna I, et al. **Brain Res** 1983 Nov 28;280(1):186–9

Two types of acetylcholine receptors on the soma of primary afferent neurons. Morita K, et al. **Brain Res** 1984 Jan 9; 290(2):348–52

Responses of semicircular canal and otolith afferents to small angle static head tilts in the gerbil. Perachio AA, et al. **Brain Res** 1983 Dec 5;280(2):287–98

Decreased horseradish peroxidase labeling in deafferented spinal motoneurons of the rat. Peyronnard JM, et al. **Brain Res** 1983 Sep 26;275(2):203–14

Preferential glutamine uptake by cochlear hair cells: implications for the afferent cochlear transmitter. Ryan AF, et al. **Brain Res** 1984 Jan 9;290(2):376–9

Afferent connections of the median preoptic nucleus in the rat: anatomical evidence for a cardiovascular integrative mechanism in the anteroventral third ventricular (AV3V) region. Saper CB, et al. **Brain Res** 1983 Dec 12; 288(1–2):21–31

The spinal course and medullary termination of myelinated renal afferents in the rat. Simon OR, et al. **Brain Res** 1984 Jan 9;290(2):239–47

Further studies on the role of afferent input from relatively large diameter fibers in transmission of nociceptive messages in humans. Willer JC, et al. **Brain Res** 1983 Nov 14;278(1–2):318–21

Identification of motoneurons in the nucleus ambiguus by antidromic stimulation of the superior and the recurrent laryngeal nerves in rats. Yajima Y, et al. **Brain Res** 1983 Dec 12;288(1–2):302–6

Acid phosphatase activity of developing anterior horn cells of chicken embryo after de–efferentiation and/or deafferentiation. van Welsum RA, et al. **Cell Biol Int Rep** 1984 May;8(5):351

Double labelling of retinofugal projections in the cat: a study using anterograde transport of 3H–proline and horseradish peroxidase. Hoffmann KP, et al. **Exp Brain Res** 1984; 53(2):420–30

Diamidino yellow dihydrochloride (DY . 2HCl); a new fluorescent retrograde neuronal tracer, which migrates only very slowly out of the cell. Keizer K, et al. **Exp Brain Res** 1983;51(2):179–91

Possible visual pathways to the cat vestibular nuclei involving the nucleus prepositus hypoglossi. Magnin M, et al. **Exp Brain Res** 1983;51(2):298–303

Synaptic connexions between primary afferents and thoracic motoneurones in the frog. Shapovalov AI, et al. **Exp Brain Res** 1984;53(2):467–72

Recovery from partial deafferentation increases 2–deoxyglucose uptake in distant spinal segments. Berenberg RA. **Exp Neurol** 1984 Jun;84(3):627–42

Afferent fibers to rat cingulate cortex. Finch DM, et al. **Exp Neurol** 1984 Mar;83(3):468–85

Inhibition and excitation of thoracic spinoreticular neurons by electrical stimulation of vagal afferent nerves. Thies R, et al. **Exp Neurol** 1983 Oct;82(1):1–16

Deafferentation of the visual cortex: the effect on cortical cells in normal and in early monocularly deprived cats. Yinon U, et al. **Exp Neurol** 1984 Mar;83(3):486–94

Pharmacology of the vestibular hair cell–afferent fiber synapse in the frog. Annoni JM, et al. **J Neurosci** 1984 Aug;4(8):2106–16

Basic optokinetic–ocular reflex pathways in the frog. Cochran SL, et al. **J Neurosci** 1984 Jan;4(1):43–57

The receptor potential and adaptation in the cockroach tactile spine. French AS. **J Neurosci** 1984 Aug;4(8):2063–8

Lateral hypothalamic modulation of oral sensory afferent activity in nucleus tractus solitarius neurons of rats. Matsuo R, et al. **J Neurosci** 1984 May;4(5):1201–7

Redundancy in ascending and descending pathways mediating head turning elicited by entopendocular stimulation in the cat. Filion M, et al. **Neuroscience** 1983 Sep;10(1):169–76

Peripheral and central pathways in pain. Hammond DL, et al. **Pharmacol Ther** 1983;12 Suppl:33–49 (242 ref.)

Segregation of on– and off–center afferents in mink visual cortex. McConnell SK, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(5):1590–3

Organization of neural inputs to the supraoptic and paraventricular nuclei: anatomical aspects. Morris JF. **Prog Brain Res** 1983;60:3–18 (95 ref.)

Electrophysiology of the afferent input to oxytocin– and vasopressin–secreting neurones. Facts and problems. Poulain DA. **Prog Brain Res** 1983;60:39–52 (100 ref.)

Geniculo–cortical connections in primates: normal and experimentally altered development. Rakic P. **Prog Brain Res** 1983;58:393–404

The organization and biochemical specificity of afferent projections to the paraventricular and supraoptic nuclei. Sawchenko PE, et al. **Prog Brain Res** 1983;60:19–29

An electrophysiological analysis of some afferent and efferent pathways of the rat prefrontal cortex. Thierry AM, et al. **Prog Brain Res** 1983;58:257–61

[Afferent and efferent connections of lateral geniculate body pars ventralis in albino rats] Schober W. **Z Mikrosk Anat Forsch** 1983;97(3):409–26 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Stress suppression of growth hormone secretion in the rat: effects of disruption of inhibitory noradrenergic afferents to the median eminence. Day TA, et al. **Aust J Biol Sci** 1983;36(5–6):525–30

Defective utilization of sensory input as the basis for bradykinesia, rigidity and decreased movement repertoire in Parkinson's disease: a hypothesis. Tatton WG, et al. **Can J Neurol Sci** 1984 Feb;11(1 Suppl):136–43

C–primary afferent fibre mediated inhibitions in the dorsal horn of the decerebrate–spinal rat. Woolf CJ. **Exp Brain Res** 1983;51(2):283–90

ULTRASTRUCTURE

Ultrastructure of muscle spindle afferent terminations in lamina VI of the cat spinal cord. Maxwell DJ, et al. **Brain Res** 1983 Dec 12;288(1–2):297–301

Ultrastructure of pacinian corpuscle primary afferent terminals in the cat spinal cord. Semba K, et al. **Brain Res** 1984 Jun 4;302(1):135–50

Primary afferent terminals in the nucleus of the solitary tract of the frog: an electron microscopic study. Székely G, et al. **Exp Brain Res** 1983;53(1):109–17

AFFINITY, ANTIBODY see **ANTIBODY AFFINITY**

AFFINITY LABELING REAGENTS see **AFFINITY LABELS**

AFFINITY LABELS

Fluorinated substrate analogs: routes of metabolism and selective toxicity. Walsh C. **Adv Enzymol** 1983;55:197–289 (166 ref.)

A continuous–flow, rapid–mixing, photolabeling technique applied to the acetylcholine receptor. Cox RN, et al. **Anal Biochem** 1984 Feb;136(2):476–86

Preparation of bromo[1–14C]acetyl–coenzyme A as an affinity label for acetyl–coenzyme A binding sites. Lowe DM, et al. **Anal Biochem** 1983 Jul 15;132(2):276–84

Photoaffinity labelling of methyltransferase enzymes with S–adenosylmethionine: effects of methyl acceptor substrates. Hurst JH, et al. **Biochem Biophys Res Commun** 1984 Jul 31;122(2):499–508

Rapid laser flash photoaffinity labeling of binding sites for a noncompetitive inhibitor of the acetylcholine receptor. Muhn P, et al. **Biochemistry** 1984 Jun 5;23(12):2725–30

Labeling of phospholipids in vesicles and human erythrocytes by photoactivable fatty acid derivatives. Berkhout TA, et al. **Eur J Biochem** 1984 Jul 2;142(1):91–7

Characterization, solubilization, affinity labeling and purification of the cardiac Na+ channel using Tityus toxin gamma. Lombet A, et al. **Eur J Biochem** 1984 Jun 15; 141(3):651–60

Affinity labeling of succinyl–CoA synthetase from Escherichia coli by the 2',3'–dialdehyde derivative of adenosine 5'–diphosphate. Nishimura JS, et al. **Eur J Biochem** 1983 Oct 17;136(1):83–7

Labelling and cross–linking of Escherichia coli penicillin–binding proteins with bis–beta–lactam antibiotics. Rodríguez–Tébar A, et al. **Eur J Biochem** 1984 Mar 1; 139(2):287–93

Photoaffinity labeling of the stereospecific D–glucose transport system with cytochalasin B. Pessin JE, et al. **Fed Proc** 1984 May 15;43(8):2258–61

INAKT—an interactive non–linear regression program for enzyme inactivation and affinity labelling studies. Christophersen A, et al. **Int J Biomed Comput** 1984 Jan–Feb;15(1):61–8

Photoreactive derivative of Kunitz's soybean trypsin inhibitor. Preparation by selective modification of a tryptophan residue and formation of a covalent complex of the modified inhibitor with trypsin. Ramachandran J, et al. **Int J Pept Protein Res** 1984 Jan;23(1):72–7

Direct photoaffinity labeling of the high affinity nitrendipine–binding site in subcellular membrane fractions isolated from canine myocardium. Campbell KP, et al. **J Biol Chem** 1984 May 10;259(9):5384–7

Identification of the erythrocyte nucleoside transporter as a band 4.5 polypeptide. Photoaffinity labeling studies using nitrobenzylthioinosine. Wu JS, et al. **J Biol Chem** 1983 Nov 25;258(22):13745–51

Identification of the nucleoside transporter in cultured mouse lymphoma cells. Photoaffinity labeling of plasma membrane–enriched fractions from nucleoside transport–competent (S49) and nucleoside transport–deficient (AE1) cells with [3H]nitrobenzylthioinosine. Young JD, et al. **J Biol Chem** 1984 Jul 10;259(13):8363–5

Insulin receptors in isolated human adipocytes. Characterization by photoaffinity labeling and evidence for

internalization and cellular processing. Berhanu P, et al. **J Clin Invest** 1983 Dec;72(6):1958–70
Short-wave ultraviolet irradiation increases photo-affinity labeling of benzodiazepine sites. Herblin WF, et al. **Life Sci** 1984 Jul 16;35(3):317–24
Differential inactivation of human and bovine alpha-thrombins by exosite affinity-labeling reagents. Sonder SA, et al. **Thromb Res** 1983 Dec 15;32(6):623–9

ANTAGONISTS & INHIBITORS

Photoaffinity labeling of (Na+K+)-ATPase with [125I]iodoazidocymarin. Lowndes JM, et al. **J Biol Chem** 1984 Aug 25;259(16):10533–8

CHEMICAL SYNTHESIS

Synthesis of affinity-label chelates: a novel synthetic method of coupling ethylenediaminetetraacetic acid to amine functional groups. Haner M, et al. **Arch Biochem Biophys** 1984 Jun;231(2):477–86
Photo-affinity label for cellular retinol-binding protein. Sheves M, et al. **Biochem Biophys Res Commun** 1984 Jul 31;122(2):577–82
6-[(4-bromo-2,3-dioxobutyl)thio]-6-deaminoadenosine 5'-monophosphate and 5'-diphosphate: new affinity labels for purine nucleotide sites in proteins. Colman RF, et al. **Biochemistry** 1984 Jul 3;23(14):3281–6
Photoaffinity labeling of the solubilized, partially purified muscarinic acetylcholine receptor from porcine atria by p-azidoatropine methyl iodide. Cremo C, et al. **Biochemistry** 1984 Jul 17;23(15):3494–501
Synthesis of a cleavable dinucleotide photoaffinity probe of ribonucleic acid polymerase: application to trinucleotide labeling of an Escherichia coli transcription complex. Hanna MM, et al. **Biochemistry** 1983 Jul 19;22(15):3546–51
Tautomerism of 2-azidoadenine nucleotides. Effects on enzyme kinetics and photoaffinity labeling. Czarnecki JJ. **Biochim Biophys Acta** 1984 Jul 16;800(1):41–51
2-[8-14C]naphthyl 2-diazo-3,3,3-trifluoropropionate, a new carbene generating reagent for probing hydrophobic membrane domains. Meister H, et al. **Biochim Biophys Acta** 1984 Mar 28;771(1):103–6
3'-Isothiocyanatobenzamido[3H]cholate, a new affinity label for hepatocellular membrane proteins responsible for the uptake of both bile acids and phalloidin. Ziegler K, et al. **Biochim Biophys Acta** 1984 Jun 13;773(1):11–22
Monoazido analog of ethidium as a chromatin probe: binding to DNA. Coffman GL, et al. **Biopolymers** 1984 Jun; 23(6):1067–84
Photoaffinity labeling of the glucagon receptor with a new glucagon analog. Wright DE, et al. **Eur J Biochem** 1984 May 15;141(1):63–7
Synthesis and characterization of a radioiodinated photoaffinity probe for the alpha 1-adrenergic receptor. Seidman CE, et al. **Hypertension** 1984 Mar-Apr;6(2 Pt 2):I7–11
The synthesis and reaction of a specific affinity label for the hydrophobic drug-binding domains of calmodulin. Jarrett HW. **J Biol Chem** 1984 Aug 25;259(16):10136–44
5'-bromoacetamido-5'-deoxyadenosine. A novel reagent for labeling adenine nucleotide sites in proteins. Samant BR, et al. **J Biol Chem** 1983 Nov 10;258(21):12779–82
Development of an affinity ligand for purification of alpha 2-adrenoceptors from human platelet membranes. DeMarinis RM, et al. **J Med Chem** 1984 Jul;27(7):918–21
A photoaffinity reagent to label the opiate receptors of guinea pig ileum and mouse vas deferens. Fujioka T, et al. **J Med Chem** 1984 Jul;27(7):836–40
Photoaffinity probes for opiate receptors: synthesis and properties of a nitro-azido-derivative of 14-beta-aminomorphinone. Peers EM, et al. **Life Sci** 1983; 33 Suppl 1:439–42
Photoaffinity labeling in neuroendocrine tissues. Hazum E. **Methods Enzymol** 1983;103:58–71
Interaction of a fluorescent acyldicholine with the nicotinic acetylcholine receptor and acetylcholinesterase. Bolger MB, et al. **Mol Pharmacol** 1984 Jul;26(1):57–69

DIAGNOSTIC USE

Photoaffinity labeling of turkey erythrocyte beta-adrenergic receptors: degradation of the Mr = 49,000 protein explains apparent heterogeneity. Sibley DR, et al. **Biochem Biophys Res Commun** 1984 Mar 15;119(2):458–64
Photoaffinity labels as pharmacological tools. Fedan JS, et al. **Biochem Pharmacol** 1984 Apr 15;33(8):1167–80 (178 ref.)

METABOLISM

Affinity labeling of spinach ferredoxin-NADP+ oxidoreductase with periodate-oxidized NADP+. Chan RL, et al. **Arch Biochem Biophys** 1984 Feb 15;229(1):340–7
An immunochemical approach to the identification of the MBTA binding site of the nicotinic acetylcholine receptor of Torpedo californica. Cahill S, et al. **Biochem Biophys Res Commun** 1984 Jul 31;122(2):602–8
[1,6-alpha-aminosuberic acid,3-(p-azidophenylalanine), 8-arginine] vasopressin as a photoaffinity label for renal vasopressin receptors: an evaluation. Fahrenholz F, et al. **Biochem Biophys Res Commun** 1984 Aug 16;122(3):974–82
Covalent labeling of the cerebral cortex alpha 1-adrenergic receptor with a new high affinity radioiodinated photoaffinity probe. Leeb-Lundberg LM, et al. **Biochem Biophys Res Commun** 1983 Sep 30;115(3):946–51
Affinity labeling of the exchangeable nucleotide binding site in platelet tubulin. Steiner M. **Biochem Biophys Res Commun** 1984 Aug 30;123(1):92–9
Analysis of the adrenal angiotensin II receptor with the photoaffinity labeling method. Guillemette G, et al. **Biochemistry** 1983 Nov 22;22(24):5591–6
Covalent labeling of rat thymocyte and human lymphoid glucocorticoid receptor. Foster CM, et al. **Cancer Res** 1983 Nov;43(11):5273–7
Evaluation of N-bromoacetyl-L-thyroxine as an affinity label for the thyroxine (T4)-binding site in human T4-binding globulin. Siegel JS, et al. **Endocrinology** 1983 Dec;113(6):2173–80
Labelling of penicillin-binding proteins from Escherichia coli with photoreactive derivatives of beta-lactam antibiotics. Arán V, et al. **FEBS Lett** 1983 Mar 21;153(2):431–7
Labeling the adenine nucleotide binding domain of the sarcoplasmic reticulum Ca,Mg-ATPase with photoaffinity analogs of ATP. Cable MB, et al. **J Biol Chem** 1984 Mar 25;259(6):3612–5
[1,6-alpha-aminosuberic acid, 3-(p-azidophenylalanine), 8-arginine] vasopressin: a new photoaffinity label for hydroosmotic hormone receptors. Characterization of the ligand and irreversible stimulation of hydroosmotic water flow in toad bladder by photoaffinity labeling. Fahrenholz F, et al. **J Biol Chem** 1983 Dec 25;258(24):14861–7
Ethidium binding sites on plasmid DNA determined by photoaffinity labeling. Hardwick JM, et al. **J Biol Chem** 1984 Sep 10;259(17):11090–7
Affinity labeling of the 5-methyltetrahydrofolate/methotrexate transport protein of L1210 cells by treatment with an N-hydroxysuccinimide ester of [3H]methotrexate. Henderson GB, et al. **J Biol Chem** 1984 Apr 10;259(7):4558–62
Photoaffinity labeling of mammalian alpha 1-adrenergic receptors. Identification of the ligand binding subunit with a high affinity radioiodinated probe. Leeb-Lundberg LM, et al. **J Biol Chem** 1984 Feb 25;259(4):2579–87
Adenosine 5'-O-(3-thio)triphosphate, a substrate and potent inhibitor of Escherichia coli succinyl-CoA synthetase. Additional evidence for a cooperative alternating-sites mechanism. Nishimura JS, et al. **J Biol Chem** 1984 Aug 10;259(15):9642–5
Photoaffinity labeling of insulin-sensitive hexose transporters in intact rat adipocytes. Direct evidence that latent transporters become exposed to the extracellular space in response to insulin. Oka Y, et al. **J Biol Chem** 1984 Jul 10;259(13):8125–33
The photoaffinity probe 8-azidoadenosine 5'-triphosphate selectively labels the heavy chain of Chlamydomonas 12 S dynein. Pfister KK, et al. **J Biol Chem** 1984 Jul 10; 259(13):8499–504
Photoaffinity labeling of human chorionic gonadotropin-binding sites in rat ovarian plasma membranes. Rapoport B, et al. **J Biol Chem** 1984 Apr 10; 259(7):4267–71
Non-deleterious dinitrophenyl (DNP) hapten labelling of antibody protein. Preparation and properties of some short-chain DNP imidoesters. Hewlins MJ, et al. **J Immunol Methods** 1984 May 11;70(1):111–8
Photoaffinity labelling of the benzodiazepine receptor compromises the recognition site but not its effector mechanism. Brown CL, et al. **J Neurochem** 1984 Jul; 43(1):272–3
Photoaffinity labeling with GTP of viral p21 ras protein expressed in Escherichia coli. Stein RB, et al. **J Virol** 1984 May;50(2):343–51
A new potential affinity label for the opiate receptor. Szücs M, et al. **Life Sci** 1983;33 Suppl 1:435–8
Photoaffinity labeling of the regulatory subunit of cAMP-dependent protein kinase. Walter U, et al. **Methods Enzymol** 1983;99:154–62
Identity of hepatic membrane transport systems for bile salts, phalloidin, and antamanide by photoaffinity labeling. Wieland T, et al. **Proc Natl Acad Sci USA** 1984 Aug; 81(16):5232–6

PHARMACODYNAMICS

Affinity labeling of ribonucleotide reductase by the 2',3'-dialdehyde derivatives of ribonucleotides. Tsai PK, et al. **Arch Biochem Biophys** 1983 Oct 1;226(1):276–84
Photoaffinity labelling of the ATP-binding site of the epidermal growth factor-dependent protein kinase. Kudlow JE, et al. **Biochem J** 1984 Jun 15;220(3):677–83
Effect of GABA and photoaffinity labelling on the affinity of drugs for benzodiazepine receptors in membranes of the cerebral cortex of five-day-old rats. Borea PA, et al. **Biochem Pharmacol** 1984 Jan 1;33(1):165–8
Biochemistry of terminal deoxynucleotidyltransferase: characterization and properties of photoaffinity labeling with 8-azidoadenosine 5'-triphosphate. Abraham KI, et al. **Biochemistry** 1983 Aug 30;22(18):4197–203
Hydrophobic labeling of a single leaflet of the human erythrocyte membrane. Brunner J, et al. **Biochemistry** 1983 Aug 2;22(16):3812–20
Photoaffinity labeling of the major nucleosidetriphosphatase of rat liver nuclear envelope. Clawson GA, et al. **Biochemistry** 1984 Jul 17;23(15):3501–7
Specific photoaffinity labeling of the digitalis binding site of the sodium and potassium ion activated adenosinetriphosphatase induced by energy transfer. Goeldner MP, et al. **Biochemistry** 1983 Sep 27; 22(20):4685–90
Photoaffinity labeling of parathyroid hormone receptors: comparison of receptors across species and target tissues and after desensitization to hormone. Goldring SR, et al. **Biochemistry** 1984 Jan 31;23(3):498–502
Resonance energy transfer between the adenosine 5'-diphosphate site of glutamate dehydrogenase and a guanosine 5'-triphosphate site containing a tyrosine labeled with 5'-[p-(fluorosulfonyl)benzoyl]-1,N6-ethenoadenosine. Jacobson MA, et al. **Biochemistry** 1983 Aug 30; 22(18):4247–57
Bromopyruvate as an active-site-directed inhibitor of the pyruvate dehydrogenase multienzyme complex from Escherichia coli. Lowe PN, et al. **Biochemistry** 1984 Jan 3;23(1):91–7
Rabbit muscle phosphofructokinase. 1. Activation by affinity labeling approximately two adenosine cyclic 3',5'-monophosphate binding sites per tetramer. Ogilvie JW. **Biochemistry** 1983 Dec 6;22(25):5908–14
Rabbit muscle phosphofructokinase. 2. Inactivation by the affinity label 5'-[p-(fluorosulfonyl)benzoyl]-1,N6-ethenoadenosine. Ogilvie JW. **Biochemistry** 1983 Dec 6;22(25):5915–21
Photoaffinity labeling of DNA-dependent RNA polymerase from Escherichia coli with 8-azidoadenosine 5'-triphosphate. Woody AY, et al. **Biochemistry** 1984 Jun 19;23(13):2843–8
Properties of horse liver alcohol dehydrogenase modified by the affinity label 3-chloroacetylpyridine-adenine dinucleotide. Foucaud B, et al. **Biochim Biophys Acta** 1983 Nov 14;748(3):362–6
Solubilization of peroxidase from porcine thyroids and characterization by photoaffinity labelling. Van Zyl JM, et al. **Biochim Biophys Acta** 1984 Jun 14;787(2):174–82
Photoaffinity labeling of peptide hormone receptors. Hazum E. **Endocr Rev** 1983 Fall;4(4):352–62 (80 ref.)
Irreversible stimulation of hydroosmotic response in toad bladder by photoaffinity labeling with [Phe2,Phe-(p-N3)3]Vasopressin. Eggena P, et al. **Endocrinology** 1983 Oct;113(4):1413–21
Inhibition of anion transport across the red cell membrane by dinitrophenylation of a specific lysine residue at the H2DIDS binding site of the band 3 protein. Rudloff V, et al. **FEBS Lett** 1983 Oct 31;163(1):14–21
Escherichia coli pyruvate dehydrogenase complex. Thiamin pyrophosphate-dependent inactivation by 3-bromopyruvate. Apfel MA, et al. **J Biol Chem** 1984 Mar 10;259(5):2905–9
The reaction mechanism of the mitochondrial pyridine nucleotide transhydrogenase. A study utilizing arylazido-pyridine nucleotide analogues. Chen S, et al. **J Biol Chem** 1984 May 10;259(9):5945–53
Affinity labeling of the aldehyde site of bacterial luciferase. Fried A, et al. **J Biol Chem** 1984 Sep 10;259(17):10754–9
2-(4-Bromoacetamido)anilino-2-deoxypentitol 1,5-bisphosphate, a new affinity label for ribulose bisphosphate carboxylase/oxygenase from Rhodospirillum rubrum. Determination of reaction parameters and characterization of an active site peptide. Herndon CS, et al. **J Biol Chem** 1984 Mar 10;259(5):3102–10
Evaluation of the intramolecular stacking of the fluorosulfonylbenzoyl derivatives of 1,N6-ethenoadenosine, adenosine, and guanosine. Jacobson MA, et al. **J Biol Chem** 1984 Feb 10;259(3):1454–60
Photoaffinity labeling of lactose synthase with a UDP-galactose analogue. Lee TK, et al. **J Biol Chem** 1983 Nov 10;258(21):13166–71
Human placental estradiol 17 beta-dehydrogenase. Identification of a single histidine residue affinity-labeled by both 3-bromoacetoxyestrone and 12 beta-bromoacetoxy-4-estrene-3,17-dione. Murdock GL, et al. **J Biol Chem** 1983 Oct 10;258(19):11460–4
Limited proteolysis and photoaffinity labeling with 8-azido-ATP of fructose-6-phosphate,2-kinase and fructose-2,6-bisphosphatase. Sakakibara R, et al. **J Biol Chem** 1984 Jul 10;259(13):8366–71
Inactivation of human placental 17 beta,20 alpha-hydroxysteroid dehydrogenase by 16-methylene estrone, an affinity alkylator enzymatically generated from 16-methylene estradiol-17 beta. Thomas JL, et al. **J Biol Chem** 1983 Oct 10;258(19):11500–4
Affinity labeling of cAMP-dependent protein kinases. Taylor SS, et al. **Methods Enzymol** 1983;99:140–53
Low-affinity heparin potentiates the action of high-affinity heparin oligosaccharides. Barrowcliffe TW, et al. **Thromb Res** 1984 Apr 15;34(2):125–33
[Conformational coupling in H+-pumps and ATP synthesis--analysis with anisotropic inhibitors of energy transduction in oxidative phosphorylation] Higuti T. **Seikagaku** 1984 Mar;56(3):151–83 (223 ref.) **(Jpn)**
[Endo-beta-1,3-glucanase using affinity inhibition] Lakizova Ilu, et al. **Biokhimiia** 1983 Oct;48(10):1661–6 (Eng. Abstr.) **(Rus)**

AFIBRINOGENEMIA

BLOOD

Fibrinogenolytic afibrinogenemia after envenomation by western diamondback rattlesnake (Crotalus atrox).

Budzynski AZ, et al. **Blood** 1984 Jan;63(1):1–14

Studies of the origin of platelet-associated fibrinogen. Karpatkin M, et al. **J Lab Clin Med** 1984 Aug;104(2):223–37

The role of sodium citrate in the dysfibrinogenaemia of liver disease. Francis JL, et al. **Thromb Res** 1984 May 1; 34(3):187–97

[Fibrinogen Bern II: hereditary fibrinogen variant with amino acid substitution of arginine replaced by histidine in position 16 of the A alpha chain] Rupp C, et al. **Schweiz Med Wochenschr** 1983 Oct 8;113(40):1460–2 (Eng. Abstr.) **(Ger)**

CONGENITAL

Congenital afibrinogenaemia in a Saudi family: a case report and family study. Elseed FA, et al. **Acta Haematol (Basel)** 1984;71(6):388–92

Analysis of fibrinogen genes in patients with congenital afibrinogenemia. Uzan G, et al. **Biochem Biophys Res Commun** 1984 Apr 30;120(2):376–83

A case of congenital afibrinogenemia. Study of a new family. Galletti A, et al. **Ric Clin Lab** 1983 Apr–Jun;13(2):269–74

[Congenital absolute afibrinogenemia] Bello-González A, et al. **Bol Med Hosp Infant Mex** 1983 Jun;40(6):325–9 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

[Latent disorders of blood coagulation in patients with hemorrhage, detected by the micromethod of fibrinogen determination] Fomin AN. **Gematol Transfuziol** 1983 Aug; 28(8):35–7 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Fibrinogen Adelaide: a familial hypodysfibrinogenaemia associated with abnormal alpha chains. Exner T, et al. **Br J Haematol** 1984 Jan;56(1):95–106

Hereditary hypofibrinogenemia with fibrinogen storage in the liver. Wehinger H, et al. **Eur J Pediatr** 1983 Dec; 141(2):109–12

IMMUNOLOGY

Fibronectin deposition in delayed-type hypersensitivity. Reactions of normals and a patient with afibrinogenemia. Clark RA, et al. **J Clin Invest** 1984 Sep;74(3):1011–6

THERAPY

Restoration of complement function in vivo by plasma infusion in factor I (C3b inactivator) deficiency. Barrett DJ, et al. **J Pediatr** 1984 Jan;104(1):76–81

AFLATOXINS

Metabolism of tRNA in rats with aflatoxin B1-induced hepatomas. Lin W, et al. **Cancer Biochem Biophys** 1983 Dec;7(1):61–8

The ineffectiveness of reduced glutathione in preventing the development of liver tumours from aflatoxin-induced pre-neoplastic liver lesions. Neal GE, et al. **Cancer Lett** 1983 Nov;21(1):83–7

Cost-effectiveness of lowering the aflatoxin tolerance level. Dichter CR, et al. **Food Chem Toxicol** 1984 Jun; 22(6):439–45

ADMINISTRATION & DOSAGE

Effects of aflatoxin ingestion on the development of Moraxella bovis infectious bovine keratoconjunctivitis. Pugh GW Jr, et al. **Cornell Vet** 1984 Apr;74(2):96–110

ADVERSE EFFECTS

Aflatoxins and kwashiorkor. Epidemiology and clinical studies in Sudanese children and findings in autopsy liver samples from Nigeria and South Africa. Hendrickse RG, et al. **Bull Soc Pathol Exot Filiales** 1983 Nov;76(5):559–66

An experimental clinico-histopathological study of toxic effects of aflatoxins on eyes. Misra RN, et al. **Indian J Ophthalmol** 1983 Sep;31(5):532–4

Aflatoxin as a cause of primary liver-cell cancer in the United States: a probability study. Stoloff L. **Nutr Cancer** 1983; 5(3–4):165–86 (58 ref.)

ANALYSIS

Simultaneous occurrence of deoxynivalenol, zearalenone, and aflatoxin in 1982 scabby wheat from the midwestern United States. Hagler WM Jr, et al. **Appl Environ Microbiol** 1984 Jan;47(1):151–4

Detection of aflatoxin B1 in serum samples of male Japanese subjects by radioimmunoassay and high-performance liquid chromatography. Tsuboi S, et al. **Cancer Res** 1984 Mar; 44(3):1231–4

Determination of aflatoxins in peanut butter, using two liquid chromatographic methods: collaborative study. Campbell AD, et al. **J Assoc Off Anal Chem** 1984 Mar–Apr; 67(2):312–6

Determination of aflatoxin M1 in milk by liquid chromatography with fluorescence detection. Cohen H, et al. **J Assoc Off Anal Chem** 1984 Jan–Feb;67(1):49–51

Dilution errors in aflatoxin determinations caused by compounds extracted from peanuts. Dickens JW, et al. **J Assoc Off Anal Chem** 1983 Sep;66(5):1059–62

Reverse phase liquid chromatographic determination and confirmation of aflatoxin M1 in cheese. Hisada K, et al. **J Assoc Off Anal Chem** 1984 May–Jun;67(3):601–6

Rapid liquid chromatographic determination of aflatoxins in heavily contaminated corn. Hutchins JE, et al. **J Assoc Off Anal Chem** 1983 Nov;66(6):1458–65

Simultaneous thin layer chromatographic determination of aflatoxin B1 and ochratoxin A in black olives. Le Tutour B, et al. **J Assoc Off Anal Chem** 1984 May–Jun;67(3):611–2

Analyst performance with aflatoxin methods as determined from AOCS Smalley Check Sample Program: short-term and long-term views. McKinney JD. **J Assoc Off Anal Chem** 1984 Jan–Feb;67(1):25–32

Identification of aflatoxins by quadrupole mass spectrometry/mass spectrometry. Plattner RD, et al. **J Assoc Off Anal Chem** 1984 Jul–Aug;67(4):734–8

Improved liquid chromatographic method for determination of aflatoxins in peanut butter and other commodities. Tarter EJ, et al. **J Assoc Off Anal Chem** 1984 May–Jun; 67(3):597–600

Past and present research on aflatoxin in peanut products. Tosch D, et al. **J Assoc Off Anal Chem** 1984 Jan–Feb; 67(1):8–9

Comparison of liquid chromatography and high performance thin layer chromatography for determination of aflatoxin in peanut products. Tosch D, et al. **J Assoc Off Anal Chem** 1984 Mar–Apr;67(2):337–9

Determination of aflatoxicol and aflatoxins B1 and M1 in eggs. Trucksess MW, et al. **J Assoc Off Anal Chem** 1984 Mar–Apr;67(2):317–20

Liquid chromatographic determination of aflatoxin M1 in milk. Tyczkowska K, et al. **J Assoc Off Anal Chem** 1984 Jul–Aug;67(4):739–41

Evaluation of a testing program for aflatoxin in corn. Whitaker TB, et al. **J Assoc Off Anal Chem** 1983 Sep; 66(5):1055–8

Determination of aflatoxin M1 in milk by reversed-phase high-performance liquid chromatography. Takeda N. **J Chromatogr** 1984 Apr 24;288(2):484–8

Rapid determination of aflatoxin B1 in Dutch feeding stuffs by high-performance liquid chromatography and post-column derivatization. Tuinstra LG, et al. **J Chromatogr** 1983 Dec 30;282:457–62

Aflatoxin B–1 in mould extracts used for desensitization [letter] Legator MS, et al. **Lancet** 1983 Oct 15;2(8355):915

Aflatoxin contamination of maize kernels before harvest. Interaction of Aspergillus flavus spores, corn earworm larvae and fungicide applications. Lillehoj EB, et al. **Mycopathologia** 1984 May 30;86(2):77–81

Effect of soil temperature and drought on peanut pod and stem temperatures relative to Aspergillus flavus invasion and aflatoxin contamination. Sanders TH, et al. **Mycopathologia** 1984 Apr 30;86(1):51–4

Aflatoxins and kwashiorkor. **Nutr Rev** 1984 Jul;42(7):249–50 (4 ref.)

Aflatoxicol and aflatoxins B1 and M1 in eggs and tissues of laying hens consuming aflatoxin-contaminated feed. Trucksess MW, et al. **Poult Sci** 1983 Nov;62(11):2176–82

Aflatoxin B1 in native millet beer brewed in Jos suburbs [letter] Okoye ZS, et al. **Trans R Soc Trop Med Hyg** 1984; 78(3):417–8

[Determination and occurrence of aflatoxin M1 in milk and dried milk products] Paul P, et al. **Nahrung** 1983; 27(9):877–82 (Eng. Abstr.) **(Ger)**

[Studies on chemical analysis of mycotoxin (IX)—with special reference to the confirmation analysis of aflatoxin B1] Isohata E, et al. **Eisei Shikenjo Hokoku** 1983; (101):38–41 (Eng. Abstr.) **(Jpn)**

[Analysis of milk for the presence of aflatoxin M1] Czerwiecki L. **Rocz Panstw Zakl Hig** 1983;34(3):277–80 (Eng. Abstr.) **(Pol)**

[Analysis of aflatoxin contamination of food products in various regions of the Georgian SSR 1979–1982] Dvali GN. **Vopr Pitan** 1983 Nov–Dec;(6):67–9 **(Rus)**

ANTAGONISTS & INHIBITORS

Influence of selenium on aflatoxin B1 or crotalaria toxicity in turkey poults. Burguera JA, et al. **Am J Vet Res** 1983 Sep;44(9):1714–7

The effect of indole-3-carbinol, an aflatoxin B1 hepatocarcinoma inhibitor, and other indole analogs on the rainbow trout hepatic mixed function oxidase system. Eisele TA, et al. **Toxicol Lett** 1983 Oct–Nov;19(1–2):133–8

BIOSYNTHESIS

Effect of pyridazinone herbicides on growth and aflatoxin release by Aspergillus flavus and Aspergillus parasiticus. Bean GA, et al. **Appl Environ Microbiol** 1983 Aug; 46(2):503–5

Caffeine inhibition of aflatoxin synthesis: probable site of action. Buchanan RL, et al. **Appl Environ Microbiol** 1984 Jun;47(6):1216–20

Caffeine inhibition of aflatoxin production: mode of action. Buchanan RL, et al. **Appl Environ Microbiol** 1983 Nov; 46(5):1193–200

Production of aflatoxin by an Aspergillus flavus isolate cultured under a limited oxygen supply. Clevström G, et al. **Appl Environ Microbiol** 1983 Aug;46(2):400–5

Stimulation of aflatoxin B1 and T-2 toxin production by sorbic acid. Gareis M, et al. **Appl Environ Microbiol** 1984 Feb;47(2):416–8

Effect of specific amino acids on growth and aflatoxin production by Aspergillus parasiticus and Aspergillus flavus in defined media. Payne GA, et al. **Appl Environ Microbiol** 1983 Oct;46(4):805–12

The conversion of sterigmatocystin to O-methylsterigmatocystin and aflatoxin B1 by a cell-free preparation. Jeenah MS, et al. **Biochem Biophys Res Commun** 1983 Nov 15;116(3):1114–8

Factors influencing the inhibition of aflatoxin production in corn by Aspergillus niger. Horn BW, et al. **Can J Microbiol** 1983 Sep;29(9):1087–91

Effect of aluminium and nickel on aflatoxin production by Aspergillus flavus. Malini R, et al. **Folia Microbiol (Praha)** 1984;29(2):104–7

Effect of sodium nitrite on aflatoxin production in pork sausage at different temperatures and the effect of nitrite on growth of Aspergillus parasiticus in culture. Obioha WI, et al. **J Agric Food Chem** 1983 Sep–Oct;31(5):1039–42

Stimulation of aflatoxin biosynthesis by lipophilic epoxides. Fanelli C, et al. **J Gen Microbiol** 1983 Jun;129 (Pt 6):1721–3

Production of aflatoxins on soybean and cottonseed meals. Hensarling TP, et al. **Mycopathologia** 1983 Nov 21; 83(2):125–7

Aspergillus infection and aflatoxin production in some cowpea (Vigna unguiculata (L.) Walp) lines in Tanzania. Seenappa M, et al. **Mycopathologia** 1983 Nov 21; 83(2):103–6

[Ecology of aflatoxin B1-producing Aspergillus flavus strains] Jesenská Z, et al. **Z Gesamte Hyg** 1983 Sep; 29(9):515–7 (Eng. Abstr.) **(Ger)**

GENETICS

Genetics of Aspergillus flavus: linkage of aflatoxin mutants. Papa KE. **Can J Microbiol** 1984 Jan;30(1):68–73

HISTORY

The aflatoxin problem: industry-FDA-USDA cooperation. Baur FJ, et al. **J Assoc Off Anal Chem** 1984 Jan–Feb; 67(1):3–7

Coping with the aflatoxin problem in the early years. Fischbach H. **J Assoc Off Anal Chem** 1984 Jan–Feb; 67(1):1–3

IMMUNOLOGY

Production and characterization of antibody against aflatoxin Q1. Fan TS, et al. **Appl Environ Microbiol** 1984 Mar; 47(3):526–32

Aflatoxin B1 dihydrodiol antibody: production and specificity. Pestka JJ, et al. **Appl Environ Microbiol** 1984 Mar;47(3):472–7

[Monoclonal antibody against aflatoxin B1 and its potential application] Sun ZT. **Chung Hua Chung Liu Tsa Chih** 1983 Nov;5(6):401–5 (Eng. Abstr.) **(Chi)**

ISOLATION & PURIFICATION

Aflatoxin distribution in edible oil-extracting plants and in poultry feedmills. Abalaka JA. **Food Chem Toxicol** 1984 Jun;22(6):461–3

Use of polyethylene glycol in the radioimmunoassay of aflatoxin B1. Tan CH. **J Appl Biochem** 1983 Feb–Apr; 5(1–2):99–106

Effects of methanol concentration and solvent:peanut ratio on extraction of aflatoxin from raw peanuts. Whitaker TB, et al. **J Assoc Off Anal Chem** 1984 Jan–Feb;67(1):35–6

Aflatoxins not in allergenic mould extracts [letter] Petricciani JC. **Lancet** 1984 Jan 21;1(8369):171

Rapid, economical qualitative method for separation of aflatoxins B–1, B–2 & G–1, G–2 by dry column chromatography. Megalla SE. **Mycopathologia** 1983 Dec 1;84(1):45–7

METABOLISM

New perspectives on aflatoxin biosynthesis. Bennett JW, et al. **Adv Appl Microbiol** 1983;29:53–92

Fate of aflatoxins in tissues, fluids, and excrements from cows dosed orally with aflatoxin B1. Stubblefield RD, et al. **Am J Vet Res** 1983 Sep;44(9):1750–2

Absorption and distribution patterns of aflatoxicol and aflatoxins B1 and M1 in blood and milk of cows given aflatoxin B1. Trucksess MW, et al. **Am J Vet Res** 1983 Sep;44(9):1753–6

The distribution and intracellular translocation of aflatoxin B1 in isolated hepatocytes. Ch'ih JJ, et al. **Biochem Biophys Res Commun** 1984 Jul 18;122(1):1–8

Nucleotide sequence cleavage of guanine-modified DNA with aflatoxin B1, dimethyl sulfate, and mitomycin C by bleomycin and deoxyribonuclease I. Suzuki T, et al. **Biochem Biophys Res Commun** 1983 Dec 28;117(3):916–22

Genetic expression of aflatoxin metabolism. Effects of 3-methylcholanthrene and beta-naphthoflavone on hepatic microsomal metabolism and mutagenic activation of aflatoxins. Raina V, et al. **Biochem Pharmacol** 1983 Dec 15;32(24):3755–63

Covalent and noncovalent interactions of aflatoxin with defined deoxyribonucleic acid sequences. Misra RP, et al. **Biochemistry** 1983 Jul 5;22(14):3351–9

Urinary excretion of thiol conjugates of aflatoxin B1 in rats and hamsters. Raj HG, et al. **Cancer Lett** 1984 Mar; 22(2):125–33

Comparative activation of aflatoxin B1 to mutagens by isolated hepatocytes from rainbow trout (Salmo gairdneri)

and coho salmon (Oncorhynchus kisutch). Coulombe RA Jr, et al. **Carcinogenesis** 1984 Jan;5(1):29–33
Modulation of microsome-mediated aflatoxin B1 binding to exogenous and endogenous DNA by cytosolic glutathione S-transferases in rat and hamster livers. Lotlikar PD, et al. **Carcinogenesis** 1984 Feb;5(2):269–76
Effect of manipulation of gamma-glutamyl transpeptidase levels on biliary excretion of aflatoxin B1 conjugates. Moss EJ, et al. **Carcinogenesis** 1984 Jul;5(7):869–74
Comparative kinetic studies on aflatoxin B1-DNA binding and aflatoxin B1-glutathione conjugation with rat and hamster livers in vitro. Raj HG, et al. **Carcinogenesis** 1984 Jul;5(7):879–84
Dietary administration of 2(3)-t-butyl-4-hydroxyanisole elevates mouse liver microsome-mediated DNA binding and mutagenicity of aflatoxin B1. Rahimtula AD, et al. **Chem Biol Interact** 1984 Feb;48(2):207–20
Tissue deposition and clearance of aflatoxins from broiler chickens fed a contaminated diet. Chen C, et al. **Food Chem Toxicol** 1984 Jun;22(6):447–51
Metabolite distribution and rate of residue clearance in turkeys fed a diet containing aflatoxin B1. Gregory JF 3d, et al. **Food Chem Toxicol** 1983 Aug;21(4):463–7
Identification and mutagenicity of aflatoxicol-M1 produced by metabolism of aflatoxin B1 and aflatoxicol by liver fractions from rainbow trout (Salmo gairdneri) fed beta-naphthoflavone. Loveland PM, et al. **Food Chem Toxicol** 1983 Oct;21(5):557–62
Effects of saturated and unsaturated dietary fat on aflatoxin B1 metabolism. Marzuki A, et al. **Food Chem Toxicol** 1984 May;22(5):383–9
Preparation of aflatoxin B1-BSA conjugate with high hapten/carrier molar ratio. Sizaret P, et al. **J Immunol Methods** 1983 Oct 14;63(2):159–62
The effect of phenobarbital pretreatment on the metabolism, covalent binding, and cytotoxicity of aflatoxin B1 in primary cultures of rat hepatocytes. Loury DJ, et al. **J Toxicol Environ Health** 1984;13(1):145–59
Effect of geocarposphere temperature on pre-harvest colonization of drought-stressed peanuts by Aspergillus flavus and subsequent aflatoxin contamination. Blankenship PD, et al. **Mycopathologia** 1984 Mar 15;85(1–2):69–74
Failure of plant tissues to metabolize aflatoxin B1? Reiss J. **Mycopathologia** 1984 Mar 15;85(1–2):43–4
Dietary modification of aflatoxin B1 carcinogenesis: mechanism studies with isolated hepatocytes from rainbow trout. Bailey GS, et al. **Natl Cancer Inst Monogr** 1984 May; 65:379–85
Quantitation of aflatoxin B1 adduction within the ribosomal RNA gene sequences of rat liver DNA. Irvin TR, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(3):664–8
Fluorometric studies on the binding of aflatoxin B1 to bovine serum albumin. Picconi MA, et al. **Res Commun Chem Pathol Pharmacol** 1984 Apr;44(1):141–7
In vitro metabolism of aflatoxin Q1 by rat liver post-mitochondrial homogenates. Rohrig TP, et al. **Res Commun Chem Pathol Pharmacol** 1983 Jun; 40(3):457–64
Metabolism, DNA binding, and cytotoxicity of aflatoxin B1 in tracheal explants from Syrian hamster. Coulombe RA Jr, et al. **Toxicology** 1984 Aug;32(2):117–30
Increase in glucuronide conjugation of aflatoxin P1 after pretreatment with microsomal enzyme inducers. Ehrich M, et al. **Toxicology** 1984 Aug;32(2):145–52
Metabolic activation and bacterial mutagenicity of aflatoxin B1 in two different test systems. Lowery C, et al. **Toxicology** 1983 Dec;29(1–2):131–41
Distribution studies of 14C-labelled aflatoxin B1 and ochratoxin A in pregnant mice. Appelgren LE, et al. **Vet Res Commun** 1983 Dec;7(1–4):141–4

PHARMACODYNAMICS

Glucuronides in bile of rainbow trout (Salmo gairdneri) injected with [3H]aflatoxin B1 and the effects of dietary beta-naphthoflavone. Loveland PM, et al. **Comp Biochem Physiol [C]** 1984;78(1):13–9
Activities of tryptophan-metabolizing enzymes in liver and brain of rats treated with aflatoxins. Weekley LB, et al. **Food Chem Toxicol** 1984 Jan;22(1):65–8
Variability in acute aflatoxin B1 induced liver injury. Mathur M, et al. **Indian J Med Res** 1983 May;77:668–78
Effect of aflatoxin B1 and major metabolites on phytohemeagglutinin-stimulated lymphoblastogenesis of bovine lymphocytes. Bodine AB, et al. **J Dairy Sci** 1984 Jan;67(1):110–4
The mutagenic activity of aflatoxin B1 in the Cricetulus griseus hamster and Macaca mulatta monkey. Bárta I, et al. **J Hyg Epidemiol Microbiol Immunol** 1984;28(2):149–59
Defective repair of tryptophan pyrolysate (Trp P-1 and Trp P-2) and aflatoxin B1 damage in xeroderma pigmentosum cells. Okui T, et al. **J Radiat Res (Tokyo)** 1983 Dec; 24(4):356–63
Induction of retrovirus gene expression by aflatoxin B1 and 2-acetylaminofluorene. Rascati RJ, et al. **Mutat Res** 1983 Dec;122(3–4):235–41
Effect of aflatoxin B-1 on the proteolytic activity of some lactic-acid bacteria. Mohran MA, et al. **Mycopathologia** 1984 May 30;86(2):99–101
Vitamin A and aflatoxin: effect on liver and colon cancer. Suphakarn VS, et al. **Nutr Cancer** 1983;5(1):41–50
Inhibition of ascorbate-induced and NADPH-dependent lipid peroxidation in hepatic nuclei by aflatoxin B1. Ahmed N, et al. **Toxicon** 1983;21(4):562–6
[Incidence of chromosome aberrations in the bone marrow of monkeys and their progeny after exposure to aflatoxin B1] Adzhigitov FI, et al. **Tsitol Genet** 1984 May-Jun; 18(3):173–6 (Eng. Abstr.) **(Rus)**

POISONING

Acute experimentally induced aflatoxicosis in the weanling pony. Bortell R, et al. **Am J Vet Res** 1983 Nov; 44(11):2110–4
Risk estimates of liver cancer due to aflatoxin exposure from peanuts and peanut products. Dichter CR. **Food Chem Toxicol** 1984 Jun;22(6):431–7
Aflatoxin exposures in the industrial setting: an epidemiological study of mortality. Hayes RB, et al. **Food Chem Toxicol** 1984 Jan;22(1):39–43
Aflatoxicosis in feeder cattle. Colvin BM, et al. **J Am Vet Med Assoc** 1984 Apr 15;184(8):956–8
Histoenzymological study of the liver in induced chronic aflatoxicosis in the rabbit. Gill BS, et al. **Mykosen** 1984 May;27(5):259–64
Evaluation of immunity of young broiler chickens during simultaneous aflatoxicosis and ochratoxicosis. Campbell ML Jr, et al. **Poult Sci** 1983 Nov;62(11):2138–44
Experimental induction of chronic aflatoxicosis in chickens by purified aflatoxin B1 and its reversal by activated charcoal, phenobarbital, and reduced glutathione. Dalvi RR, et al. **Poult Sci** 1984 Mar;63(3):485–91
Histochemical analysis of liver cells from short term, aflatoxin-dosed and nondosed Coturnix coturnix japonica. 1. Aflatoxin-sensitive quail. Dashek WV, et al. **Poult Sci** 1983 Dec;62(12):2347–59
Effects of low level chronic aflatoxicosis in broiler chickens. Doerr JA, et al. **Poult Sci** 1983 Oct;62(10):1971–7
Distal nephron function of the rat during acute aflatoxicosis. Grosman ME, et al. **Toxicol Lett** 1984 Jun;21(3):263–70
Hepatic cirrhosis suggesting aflatoxicosis in a flock of geese. Malkinson M, et al. **Vet Rec** 1982 Jan 30;110(5):101–3
Aflatoxicosis in farm animals. Patterson DS. **Vet Res Commun** 1983 Dec;7(1–4):135–40
A case of aflatoxicosis in fattening calves caused by aflatoxin formation in inadequate formic acid treated grain. Holmberg T, et al. **Zentralbl Veterinarmed [A]** 1983 Nov; 30(9):656–63
[Morphologic and morphometric studies of the liver of the white rat during inadequate feeding and aflatoxin poisoning] Krystev LP, et al. **Vopr Pitan** 1984 Jan-Feb; (1):57–60 (Eng. Abstr.) **(Rus)**

TOXICITY

Serum concentration of bile acids in guinea pigs as an indicator of liver damage caused by aflatoxins. Baetz AL, et al. **Am J Vet Res** 1983 Oct;44(10):1971–2
Caprine aflatoxicosis: experimental disease and clinical pathologic changes. Clark JD, et al. **Am J Vet Res** 1984 Jun;45(6):1132–5
Modification of the effects of aflatoxin B1 and warfarin in young pigs given selenium. Davila JC, et al. **Am J Vet Res** 1983 Oct;44(10):1877–83
Caprine aflatoxicosis: serum electrophoresis and pathologic changes. Miller DM, et al. **Am J Vet Res** 1984 Jun; 45(6):1136–41
Mutagenicity of tetramic mycotoxin cyclopiazonic acid. Sorenson WG, et al. **Appl Environ Microbiol** 1984 Jun; 47(6):1355–7
Toxic effects of aflatoxin B1 in chickens given feed contaminated with Aspergillus flavus and reduction of the toxicity by activated charcoal and some chemical agents. Dalvi RR, et al. **Avian Dis** 1984 Jan-Mar;28(1):61–9
Food contamination by micro quantities of aflatoxin: a possible source of experimental artifacts? Okoye ZS. **Biochem Med** 1984 Apr;31(2):267–70
Comparative aflatoxin B1 mutagenesis of Salmonella typhimurium TA 100 in metabolic and photoactivation systems. Israel-Kalinsky H, et al. **Cancer Res** 1984 May; 44(5):1831–9
DNA repair synthesis following exposure to chemical mutagens in primary liver, stomach, and intestinal cells isolated from rainbow trout. Walton DG, et al. **Cancer Res** 1984 Mar;44(3):1120–1
Evidence for membrane-mediated chromosomal damage by aflatoxin B1 in human lymphocytes. Amstad P, et al. **Carcinogenesis** 1984 Jun;5(6):719–23
Aflatoxin B1: effect on the synthesis and degradation of mitochondrial proteins in hepatocyte monolayers. Brookes C, et al. **Carcinogenesis** 1984 Jun;5(6):759–65
The development of hepatocellular tumours following aflatoxin B1 exposure of the partially hepatectomised mouse. Dix KM. **Carcinogenesis** 1984 Mar;5(3):385–90
Inhibition of aflatoxin B1 carcinogenesis in rainbow trout by flavone and indole compounds. Nixon JE, et al. **Carcinogenesis** 1984 May;5(5):615–9
Cytotoxicity and mutagenicity of aflatoxin dichloride in normal and repair deficient diploid human fibroblasts. Mahoney EM, et al. **Chem Biol Interact** 1984 Jun; 50(1):59–76
Dose and time related response of immunologic functions to aflatoxin B1 in mice. Reddy RV, et al. **Dev Toxicol Environ Sci** 1983;11:431–4
Correlation between mixed-function oxidase enzyme induction and aflatoxin B1-induced unscheduled DNA synthesis in the chick embryo, in vivo. Hamilton JW, et al. **Environ Mutagen** 1984;6(1):41–8
The effects of butylated hydroxytoluene on the in vitro metabolism, DNA-binding and mutagenicity of aflatoxin B1 in the rat. Fukayama MY, et al. **Food Chem Toxicol** 1984 May;22(5):355–60
Effect of dietary selenium on the metabolism of aflatoxin B1 in turkeys. Gregory JF 3d, et al. **Food Chem Toxicol** 1984 Aug;22(8):637–42
Identification and mutagenicity of aflatoxicol-M1 produced by metabolism of aflatoxin B1 and aflatoxicol by liver fractions from rainbow trout (Salmo gairdneri) fed beta-naphthoflavone. Loveland PM, et al. **Food Chem Toxicol** 1983 Oct;21(5):557–62
Detection of DNA single-strand breaks induced by procarcinogens in Chinese hamster ovary cells cocultured with rat hepatocytes. Yang KH, et al. **J Toxicol Environ Health** 1984;13(1):133–43
Evaluation of the toxic effects of aflatoxin B1 with a taste aversion paradigm in rats. Rappold VA, et al. **Neurobehav Toxicol Teratol** 1984 Jan-Feb;6(1):51–8
Individual and combined effects of aflatoxin and ochratoxin A on bruising in broiler chickens. Huff WE, et al. **Poult Sci** 1983 Sep;62(9):1764–71
Relation between geographical distribution of liver cancer and climate-aflatoxin B1 in China. Wang YB, et al. **Sci Sin [B]** 1983 Nov;26(11):1166–75
Effect of aflatoxin B1 on brain serotonin and catecholamines in chickens. Ahmed N, et al. **Toxicol Lett** 1984 Jun; 21(3):365–7
Toxicity of aflatoxin B1 in rat and mouse hepatocytes in vivo and in vitro. Hanigan HM, et al. **Toxicology** 1984 Apr 2; 30(3):185–93
The neurotoxicity of aflatoxin B1 in the rat. Ikegwuonu FI. **Toxicology** 1983;28(3):247–59
Inhibition of oxygen uptake in liver slices of three mammalian species (rat, rabbit, guinea-pig) by aflatoxin B1 (AFB1). Uwaifo AO. **Toxicology** 1984 May 1;31(1):33–9
Effect of contamination of diets with aflatoxins on growing ducks and chickens. Ostrowski-Meissner HT. **Trop Anim Health Prod** 1983 Aug;15(3):161–8
[Relay toxicity of aflatoxin M1 in powdered milk. Medium term study on ducklings] Ferrando R, et al. **C R Seances Acad Sci [III]** 1984;298(13):355–8 (Eng. Abstr.) **(Fre)**
[Liver changes in salmon caused by aflatoxin B1] Brünger A, et al. **Tierarztl Prax** 1983;11(3):399–404 **(Ger)**

URINE

High-performance liquid chromatography of aflatoxins in human urine. Anukarahanonta T, et al. **J Chromatogr** 1983 Jul 8;275(2):387–93

AFP see **ALPHA FETOPROTEINS**

AFRICAN HORSESICKNESS

OCCURRENCE

[Epidemiologic study of African horsesickness in Ethiopia from 1977 to 1981] Leforban Y, et al. **Rev Elev Med Vet Pays Trop** 1983;36(2):117–29 (Eng. Abstr.) **(Fre)**

AFRICAN HORSESICKNESS VIRUS see under **REOVIRIDAE**

AFRICAN LYMPHOMA see **BURKITT'S LYMPHOMA**

AFRICAN SWINE FEVER

BLOOD

Extraction of viral DNA from erythrocytes of swine with acute African swine fever. Wesley RD, et al. **Am J Vet Res** 1984 Jun;45(6):1127–31

MICROBIOLOGY

Virulence in African swine fever: its measurement and implications. Pan IC, et al. **Am J Vet Res** 1984 Feb; 45(2):361–6

PATHOLOGY

Clinical and immunologic responses of pigs to African swine fever virus isolated from the Western Hemisphere. Hamdy FM, et al. **Am J Vet Res** 1984 Apr;45(4):711–4

PREVENTION & CONTROL

African swine fever—an assessment of risk for Florida. Gibbs EP, et al. **J Am Vet Med Assoc** 1984 Mar 15;184(6):644–7

TRANSMISSION

Quantitative aspects of the transmission of African swine fever. McVicar JW. **Am J Vet Res** 1984 Aug;45(8):1535–41

AFRICAN SWINE FEVER VIRUS see under **IRIDOVIRIDAE**

AFTER CARE

see related

HALFWAY HOUSES

There's no place like home. Mizuki JA. **Am J Nurs** 1984 May;84(5):646–8

Differentiating psychiatric readmissions from nonreadmissions. Solomon P, et al. **Am J Orthopsychiatry** 1984 Jul;54(3):426–35

DRGs: where do our patients go from here? Karpman RR. **Ariz Med** 1984 Jun;41(6):402–3

Psychiatric day treatment as alternative to and transition from full-time hospitalization. Greene LR, et al. **Community Ment Health J** 1981 Fall;17(3):191–202

Processes and goals in aftercare programs for deinstitutionalized elderly mental patients. Kultgen P, et al. **Gerontologist** 1984 Apr;24(2):167–73

Level of care and complications among geriatric patients discharged from the medical service of a teaching hospital. Davis JW, et al. **J Am Geriatr Soc** 1984 Jun;32(6):427–30

Impaired physicians program. Aftercare. Canavan DI. **J Med Soc NJ** 1983 Oct;80(10):849

Battle Hospital after care clinic. Ellis M. **Physiotherapy** 1983 Sep 10;69(9):311–2

Aftercare and readmission. A Dutch psychiatric case register study. ten Horn GH. **Soc Psychiatry** 1984;19(3):111–6

[After care of kidney transplant patients] Castro LA, et al. **Internist (Berlin)** 1983 Sep;24(9):510–6 (28 ref.) **(Ger)**

[Concept and practice of hospital after-care—an empirical study of patients in the Bethanien After-Care Clinic] Döhner H, et al. **Off Gesundheitswes** 1984 Apr;46(4):193–8 **(Ger)**

[Treatment immediately following hospitalization—an opportunity for early rehabilitation] Fischer-Harriehausen H, et al. **Off Gesundheitswes** 1984 May;46(5):226–30 **(Ger)**

[Tumor after care by the family physician] Klimm HD. **ZFA (Stuttgart)** 1984 Jan 31;60(3):113–9 **(Ger)**

METHODS

Increasing attendance at alcohol aftercare using calendar prompts and home based contracting. Ossip-Klein DJ, et al. **Addict Behav** 1984;9(1):85–9

[After care treatment, the optimal form of inpatient rehabilitation] Mäurer HC. **Rehabilitation (Stuttg)** 1984 May;23(2):51–6 (Eng. Abstr.) **(Ger)**

[Aftercare, symptomatic and terminal care of cancer patients in medical primary care] Hartung GH. **Z Arztl Fortbild (Jena)** 1983;77(13):560–3 **(Ger)**

ORGANIZATION & ADMINISTRATION

The impact of discharge planning on chronic schizophrenic patients. Caton CL, et al. **Hosp Community Psychiatry** 1984 Mar;35(3):255–62

Hospital inns preserve continuity of care. **Hospitals** 1984 Jul 1;58(13):57

[Advantages of organizing an after-care department in dermatologic hospitals] Platonova MP, et al. **Vestn Dermatol Venerol** 1984 Jun;(6):47–50 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

[Wishes and expectations of psychiatric patients in ambulatory after care—and recommendations of their physicians] Geers M, et al. **Psychiatr Prax** 1984 May; 11(3):86–91 (Eng. Abstr.) **(Ger)**

STANDARDS

Social functioning assessment of aftercare psychiatric patients in socialization therapy. Peterson L. **Psychol Rep** 1983 Dec; 53(3 Pt 2):1123–30

AFTERIMAGE

The 'flight of colours' test in multiple sclerosis, retrobulbar neuritis and healthy controls. Smits MY, et al. **Clin Neurol Neurosurg** 1984;86(2):89–94

Visible persistence of moving objects. Farrell JE. **J Exp Psychol [Hum Percept]** 1984 Aug;10(4):502–11

Semantic generalization investigated using second-order conditioned visual afterimages. Davies P, et al. **Percept Mot Skills** 1983 Dec;57(3 Pt 1):703–9

The duration of visual persistence [letter] Mezrich JJ. **Vision Res** 1984;24(6):631–2

PHYSIOLOGY

Role of local adaptation in the fading of stabilized images. Burbeck CA, et al. **J Opt Soc Am [A]** 1984 Feb;1(2):216–20

Positive and negative afterimages from brief target gratings. Long GM, et al. **Vision Res** 1983;23(10):959–63

Sleep and the McCollough effect. Lund NJ, et al. **Vision Res** 1983;23(9):903–6

The relationship between temporal integration and persistence. Marx MS, et al. **Vision Res** 1983;23(10):1101–6

Visible persistence: effects of luminance, spatial frequency and orientation. Ueno T. **Vision Res** 1983;23(12):1687–92

AGAMMAGLOBULINEMIA

BLOOD

Dietary protein antigenemia in humoral immunodeficiency. Correlation with splenomegaly. Cunningham-Rundles C, et al. **Am J Med** 1984 Feb;76(2):181–5

CHEMICALLY INDUCED

Hypogammaglobulinaemia associated with gold therapy. So AK, et al. **Ann Rheum Dis** 1984 Aug;43(4):581–2

COMPLICATIONS

Campylobacter enteritis associated with recurrent abortions in agammaglobulinemia. Pines A, et al. **Acta Obstet Gynecol Scand** 1983;62(3):279–80

Severe hepatitis B virus-negative chronic hepatitis responsive to steroids in a child with common variable hypogammaglobulinemia [letter] Maggiore G, et al. **Am J Dis Child** 1984 Aug;138(8):796

Delayed onset of infectious mononucleosis associated with acquired agammaglobulinemia and red cell aplasia. Purtilo DT, et al. **Ann Intern Med** 1984 Aug;101(2):180–6

Combined immunodeficiency preceding chronic lymphocytic leukemia. Lenders JW, et al. **Blut** 1984 Mar;48(3):171–5

Chronic campylobacter colitis and uveitis in patient with hypogammaglobulinaemia. Lever AM, et al. **Br Med J [Clin Res]** 1984 Feb 18;288(6416):531

Acquired basophil and eosinophil deficiency in a patient with hypogammaglobulinaemia associated with thymoma. Mitchell EB, et al. **Clin Lab Haematol** 1983;5(3):253–7

Zoonotic filariasis with lymphedema in an immunodeficient infant. Simmons CF Jr, et al. **N Engl J Med** 1984 May 10;310(19):1243–5

Acquired hypogammaglobulinaemia and sarcoidosis. Lee CA. **Postgrad Med J** 1984 Aug;60(706):551–3

[Acquired hypogammaglobulinemia and malabsorption with villous atrophy sensitive to a gluten-free diet] Conroy T, et al. **Sem Hop Paris** 1984 Mar 8;60(11):786–91 (Eng. Abstr.) **(Fre)**

[Case of common variable hypogammaglobulinemia associated with gastric carcinoma] Mitsuya H, et al. **Nippon Naika Gakkai Zasshi** 1983 Jun;72(6):813–9 **(Jpn)**

[Case of Bruton's disease] Alferov BP, et al. **Pediatriia** 1983 Jul;(7):67 (0 ref.) **(Rus)**

CONGENITAL

Ecto-5'-nucleotidase activities in B lymphoblastoid cell lines at various stages of maturation. Nakae S, et al. **Tohoku J Exp Med** 1983 Nov;141(3):305–10

[Hypersplenism as a symptom of recurrence of Hodgkin's disease in a boy with congenital immunoglobulin deficiency] Ciepielewska D. **Pol Tyg Lek** 1983 Oct 17–24; 38(42–43):1321–3 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

Prenatal diagnosis of severe combined immunodeficiency and X-linked agammaglobulinemia. Durandy A, et al. **Birth Defects** 1983;19(3):125–7

Possible immunoglobulin deficiency [letter] Rosefsky JB. **JAMA** 1983 Dec 9;250(22):3047–8

[A rare case of agammagiobulinemia in the adult] Calabro S, et al. **G Clin Med** 1983 May-Jun;64(5–6):192–7 (Eng. Abstr.) **(Ita)**

[Unusual clinical aspects of 3 cases of primary humoral immunodeficiency] De Stefano A, et al. **Minerva Med** 1984 Jan 28;75(3–4):85–90 (Eng. Abstr.) **(Ita)**

DRUG THERAPY

Hypogammaglobulinemia and malakoplakia—effect of Bethanechol. Soothill JF, et al. **Birth Defects** 1983; 19(3):329–30

ENZYMOLOGY

Decreased T cell ecto-5'-nucleotidase activity in agammaglobulinemia patients is not due to altered proportions of helper and suppressor T cells as defined by the monoclonal antibodies OKT4 and OKT8. Thompson LF, et al. **Adv Exp Med Biol** 1984;165 Pt B:153–8

Kinetic properties of 5' nucleotidase in blood lymphocytes from healthy subjects, immunodeficient patients and cord blood. Shah T, et al. **Clin Exp Immunol** 1984 Jul; 57(1):149–54

ETIOLOGY

Lupus erythematosus and panhypogammaglobulinemia [letter] Epstein RJ, et al. **Ann Intern Med** 1984 Jan; 100(1):162–3

Inflammatory disorders of muscle. Echovirus disease in hypogammaglobulinaemic patients. Webster AD. **Clin Rheum Dis** 1984 Apr;10(1):189–203

Is transient hypogammaglobulinemia of infancy a manifestation of zinc deficiency? Lentz D, et al. **Dev Comp Immunol** 1984 Winter;8(1):1–5

Prolonged arthritis, viraemia, hypogammaglobulinaemia, and failed seroconversion following rubella immunisation [letter] Tingle AJ, et al. **Lancet** 1984 Jun 30;1(8392):1475–6

[A case of common variable immunodeficiency (CVID) with hypokalemic periodic paralysis due to intractable diarrhea] Narasaki K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Apr;81(4):1076–82 **(Jpn)**

[Thymoma associated with erythroblastopenia and hypogammaglobulinemia with an increase in the T8+ lymphocyte subpopulation (letter)] Estivill X, et al. **Med Clin (Barc)** 1984 Feb 25;82(7):334 **(Spa)**

FAMILIAL & GENETIC

Muscle weakness in an adult with infantile x-linked hypogammaglobulinemia. Part one. Montanaro A, et al. **Ann Allergy** 1984 Mar;52(3 Pt 1):153–4

Muscle weakness in an adult with infantile x-linked hypogammaglobulinemia. Part two. Montanaro A, et al. **Ann Allergy** 1984 Mar;52(3 Pt 1):172–5

Unusual presentation of Bruton's agammaglobulinemia—Pseudomonas sepsis. Urbach J, et al. **Isr J Med Sci** 1983 Nov;19(11):992–4

Epstein-Barr virus-induced lymphoblastoid cell lines derived from the peripheral blood of patients with X-linked agammaglobulinemia can secrete IgM. Levitt D, et al. **J Clin Immunol** 1984 Mar;4(2):143–50

[Features of the manifestations of bronchopulmonary pathology and hepatitis B in children with hypogammaglobulinemia] Tsinzerling AV, et al. **Arkh Patol** 1984;46(3):65–70 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Dietary protein antigenemia in hypogammaglobulinemia: relationship to splenomegaly. Cunningham-Rundles C, et al. **Birth Defects** 1983;19(3):239–41

Basophil and eosinophil deficiency in a patient with hypogammaglobulinemia associated with thymoma. Mitchell EB, et al. **Birth Defects** 1983;19(3):331

Failure of isotype progression in hypogammaglobulinemia and during normal B-cell ontogeny. Pereira RS, et al. **Birth Defects** 1983;19(3):165–7 (26 ref.)

Pre-B cells in X-linked agammaglobulinemia. Schwaber J. **Birth Defects** 1983;19(3):177–82

Imbalance in T-cell subsets of five children with congenital agammaglobulinemia and its effect on 'in vitro' immunoglobulin synthesis. De Martino M, et al. **Boll Ist Sieroter Milan** 1983 Jul;62(3):273–80

Evaluation of test immunisation in the assessment of antibody deficiency syndromes. Webster AD, et al. **Br Med J [Clin Res]** 1984 Jun 23;288(6434):1864–6

Immunologic studies of peripheral blood in a child with hypogammaglobulinemia. Suggested mechanism for the development of malignant B-cell lymphoma. Tsuchiya H, et al. **Cancer** 1984 Apr 1;53(7):1492–7

Pulmonary manifestations and management of antibody deficiency in adults. Kohler P. **Chest** 1984 Sep;86(3 Suppl):24S–28S

Nodular lymphoid hyperplasia of the jejunal mucosa associated with hypogammaglobulinemia. Increased number of mast cells in the jejunal mucosa. Nicolov NP, et al. **Dtsch Z Verdau Stoffwechselkr** 1983;43(4):157–63

Hypogammaglobulinemia due to abnormal suppressor T-cell activity in Crohn's disease. Elson CO, et al. **Gastroenterology** 1984 Mar;86(3):569–76

Interleukin-2 correction of defective in vitro T-cell mitogenesis in patients with common varied immunodeficiency. Kruger G, et al. **J Clin Immunol** 1984 Jul;4(4):295–303

B cell numbers and responses in patients with common variable immunodeficiency and nodular lymphoid hyperplasia of the bowel. Caballero FM, et al. **J Clin Lab Immunol** 1984 Feb;13(2):59–63

Human-human B cell hybridomas from in vitro stimulated lymphocytes of patients with common variable immunodeficiency. Denis KA, et al. **J Immunol** 1983 Nov; 131(5):2273–8

Dissociation in the production of B cell-stimulating factors (BCGF and BCDF) and interleukin 2 by T cells from a common variable immunodeficient patient. Saiki O, et al. **J Immunol** 1984 Oct;133(4):1920–4

Immunoglobulin-deficient rats fail to develop experimental allergic encephalomyelitis. Willenborg DO, et al. **J Neuroimmunol** 1983 Oct;5(2):99–109

Study of activated T cells in man. I. Discrepancy between Tac antigen and DR Antigen on T cells in patients with primary immunodeficiency. Gupta S. **Scand J Immunol** 1984 May;19(5):465–8

Rapid screening for humoral immune deficiency. Tauris P. **Tissue Antigens** 1984 Mar;23(3):185–7

[Regulatory T-lymphocytes in the immune deficiency syndrome] Rodeck U, et al. **Monatsschr Kinderheilkd** 1984 Apr;132(4):238–9 (Eng. Abstr.) **(Ger)**

[Lymphocyte subpopulations and lymphocyte electrophoretic mobility in a group of primary immunodeficiencies before and after substitutive immunotherapy] Ricci C, et al. **Recenti Prog Med** 1983 Nov;74(11):1249–63 (Eng. Abstr.) **(Ita)**

[Is late-appearing idiopathic hypogammaglobulinemia a suppressor T lymphocyte disease?] Estruch R, et al. **Med Clin (Barc)** 1984 Jun 9;83(2):58–60 (Eng. Abstr.) **(Spa)**

[Common variable hypogammaglobulinemia. Presentation of a case from Venezuela] Amesty de Valbuena A, et al. **Sangre (Barc)** 1984;29(2):192–9 (Eng. Abstr.) **(Spa)**

MICROBIOLOGY

Bacterial colonization and nitrite concentration in the achlorhydric stomachs of patients with primary hypogammaglobulinaemia or classical pernicious anaemia. Dolby JM, et al. **Scand J Gastroenterol** 1984 Jan; 19(1):105–10

OCCURRENCE

Epidemiology and treatment of hypogammaglobulinemia. Hosking CS, et al. **Birth Defects** 1983;19(3):223–7

PATHOLOGY

[Malabsorption syndrome in patients with general variable acquired hypogammaglobulinemia with late onset] Ekisenina NI, et al. **Klin Med (Mosk)** 1984 Apr;62(4):124–30 (Eng. Abstr.) (Rus)

THERAPY

Thirty years of supplying the missing link. History of gamma globulin therapy for immunodeficient states. Dwyer JM. **Am J Med** 1984 Mar 30;76(3A):46–52

Phase I study of intravenous gamma globulin in multiple myeloma. Gordon DS, et al. **Am J Med** 1984 Mar 30; 76(3A):111–6

Prolonged interval high-dose intravenous immunoglobulin in patients with primary immunodeficiency states. Montanaro A, et al. **Am J Med** 1984 Mar 30;76(3A):67–72

Comparison of high-dose and low-dose intravenous immunoglobulin therapy in patients with primary immunodeficiency diseases. Ochs HD, et al. **Am J Med** 1984 Mar 30;76(3A):78–82

Intravenous immune globulin therapy in hypogammaglobulinemia. A review. Pirofsky B. **Am J Med** 1984 Mar 30;76(3A):53–60 (16 ref.)

Use of intravenous immune globulin in pregnant women with common variable hypogammaglobulinemia. Sorensen RU, et al. **Am J Med** 1984 Mar 30;76(3A):73–7

Intramuscular and intravenous administration of immunoglobulin to patients with hypogammaglobulinemia. Hanson LA, et al. **Birth Defects** 1983;19(3):205–7

Treatment of antibody deficiency syndromes with subcutaneous infusion of gamma globulin. Roord JJ, et al. **Birth Defects** 1983;19(3):217–21 (21 ref.)

Subcutaneous infusion of gamma globulins in the management of agammaglobulinemic patients. Ugazio AG, et al. **Birth Defects** 1983;19(3):213–5

Efficacy of immunoglobulin prophylaxis in humoral immunodeficiency. Björkander J, et al. **Monogr Allergy** 1983;18:156–9

[Substitution therapy in agammaglobulinemia] Roord JJ, et al. **Ned Tijdschr Geneeskd** 1983 Aug 6;127(32):1417–9 (Dut)

[Altered perspective of agammaglobulinemia] Stoop JW, et al. **Ned Tijdschr Geneeskd** 1983 Aug 6;127(32):1442–3 (Dut)

[Intravenous administration of plasmin-treated immunoglobulins. A 2-year study in 16 patients with humoral deficiency] Luzi G, et al. **Presse Med** 1983 Nov 17;12(41):2631–3 (Eng. Abstr.) (Fre)

AGAR

Primary plate identification of group A Streptococcus on a selective medium. Efficiency in an office practice. Roe MH, et al. **Am J Dis Child** 1984 Jun;138(6):589–91

A new method for culture of larvae used in diagnosis of ruminant gastrointestinal strongylosis: comparison with fecal cultures. Hubert J, et al. **Can J Comp Med** 1984 Jan; 48(1):63–71

Patterns of tumor colony development over time in soft-agar culture. Kirkels WJ, et al. **Int J Cancer** 1983 Oct 15; 32(4):399–406

Improvement of human melanoma colony formation in soft agar using boiled instead of autoclaved agar. Thomson SP, et al. **Int J Cell Cloning** 1983 Jun;1(2):85–91

A note on an improved molybdate agar for the selective isolation of yeasts from tropical fruits. Rale VB, et al. **J Appl Bacteriol** 1984 Jun;56(3):409–13

A new selective and differential agar medium for Escherichia coli and coliform organisms. Wright RC. **J Appl Bacteriol** 1984 Jun;56(3):381–8

Inhibitory action of bromocriptine and tamoxifen on the growth of human pituitary tumors in soft agar. Arafah BM, et al. **J Clin Endocrinol Metab** 1983 Nov;57(5):986–92

Colony-formation of staphylococci in fibronectin-soft-agar. Lämmler C, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 May;257(1):1–5

[Rheological study of fluid agar media] Brochon MJ, et al. **Ann Pharm Fr** 1983;41(2):139–50 (Eng. Abstr.) (Fre)

ADMINISTRATION & DOSAGE

Enteral administration of agar as an effective adjunct to phototherapy of neonatal hyperbilirubinemia. Odell GB, et al. **Pediatr Res** 1983 Oct;17(10):810–4

DIAGNOSTIC USE

[Simple agar media for the isolation and differentiation of Neisseria gonorrhoea] Müller G. **Dermatol Monatsschr** 1983;169(9):576–80 (Eng. Abstr.) (Ger)

[Quantitative aspects of the agar micro-copy procedure for multiple copies of various materials occurring in hospitals] Mielke U, et al. **Z Gesamte Hyg** 1983 Jul;29(7):376–9 (Eng. Abstr.) (Ger)

[Electrophoretic mobility of hemoglobin and blood serum components using different types of agar] Il'ina EA. **Sud Med Ekspert** 1983 Jul-Sep;26(3):24–6 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

The reversal of bilirubin-induced intestinal secretion by agar. Li BU, et al. **Pediatr Res** 1984 Jan;18(1):79–82

Agar accumulates in rat peritoneal macrophages elicited with thioglycollate broth. Eichner RD, et al. **Scand J Immunol** 1983 Sep;18(3):259–63

AGARICACEAE

ANALYSIS

The toxic principles of Naematoloma fasciculare. Suzuki K, et al. **Chem Pharm Bull (Tokyo)** 1983 Jun;31(6):2176–8

Stability of necatorin, a highly mutagenic compound from Lactarius necator mushroom. Suortti T. **Food Chem Toxicol** 1984 Jul;22(7):579–81

Properties of calcium-dependent regulatory proteins from fungi and yeast. Nakamura T, et al. **J Biochem (Tokyo)** 1984 Jun;95(6):1551–7

Selection for resistance to phallolysin, a cytolytic toxin from the death-cap mushroom (Amanita phalloides). Shier WT, et al. **Toxicon** 1983;21(3):445–8

[Amanita virosa peptides: viroidin and viroisin are more effective than phalloidin for the in vitro protection of actin against the effects of osmic acid] Gicquaud C, et al. **Eur J Cell Biol** 1983 Nov;32(1):171–3 (Eng. Abstr.) (Fre)

ENZYMOLOGY

A fungal cellulase shows sequence homology with the active site of hen egg-white lysozyme. Yaguchi M, et al. **Biochem Biophys Res Commun** 1983 Oct 31;116(2):408–11

Photoinactivation of agaricus bisporus tyrosinase: modification of the binuclear copper site. Fry DC, et al. **Biochemistry** 1983 Oct 11;22(21):4949–53

Extracellular proteins secreted by the basidiomycete Schizophyllum commune in response to carbon source. Willick GE, et al. **J Bacteriol** 1984 Jul;159(1):294–9

GENETICS

Molecular cloning of a gene abundantly expressed during fruiting body initiation in Schizophyllum commune. Dons JJ, et al. **J Bacteriol** 1984 Mar;157(3):802–8

The cellular program for the formation and dissolution of the synaptonemal complex in Coprinus. Lu BC. **J Cell Sci** 1984 Apr;67:25–43

IMMUNOLOGY

[Allergy caused by inhaling Pleurotus spores] Yin KS. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1983 Jun;6(3):142–5 (Eng. Abstr.) (Chi)

METABOLISM

Inhibition of ribonucleotide reductase by naturally occurring quinols from spores of Agaricus bisporus. FitzGerald GB, et al. **Biochem Biophys Res Commun** 1984 May 16; 120(3):1008–14

AGARICALES

ENZYMOLOGY

Fatty acyl-coenzyme A oxidase activity and H2O2 production in Phanerochaete chrysosporium mycelia. Greene RV, et al. **Biochem Biophys Res Commun** 1984 Jan 30;118(2):437–43

METABOLISM

Substrate-induced H2O2 production in mycelia from the lignin-degrading fungus Phanerochaete chrysosporium. Greene RV, et al. **Biochem Biophys Res Commun** 1983 Nov 30;117(1):275–81

Microbial transformation of rubeomycin A to rubeomycin B. Ogawa Y, et al. **J Antibiot (Tokyo)** 1983 Nov; 36(11):1561–3

AGAROSE see SEPHAROSE

AGE DETERMINATION BY SKELETON

Assessment of skeletal age in the first year of life on basis of the caput humeri ossification centres. Lombay B. **Acta Paediatr Hung** 1983;24(3):221–9

A sex- and age-limited ossification pattern in human costal cartilages. Stewart JH, et al. **Am J Clin Pathol** 1984 Jun; 81(6):765–9

Dating and rating of Harris's lines. Maat GJ. **Am J Phys Anthropol** 1984 Mar;63(3):291–9

Skeletal maturity of Japanese children in Western Kyushu. Takai S, et al. **Am J Phys Anthropol** 1983 Oct;62(2):199–204

Patterns of TW-1 and TW-2 skeletal age differences in 12–19-year-old Belgian boys. Beunen G, et al. **Ann Hum Biol** 1983 Sep-Oct;10(5):479–82

BASIC programs for the assessment of skeletal maturity and the prediction of adult height using the Tanner-Whitehouse method. Cameron N. **Ann Hum Biol** 1984 May-Jun; 11(3):261–4

Cross-sectional study of skeletal maturation in normal children from Nottingham and London. Kristmundsdottir F, et al. **Ann Hum Biol** 1984 Mar-Apr;11(2):133–9

Skeletal maturity in Austrian children assessed by the GP and the TW-2 methods. Wenzel A, et al. **Ann Hum Biol** 1984 Mar-Apr;11(2):173–7

Skeletal age changes in puberty. Buckler JM. **Arch Dis Child** 1984 Feb;59(2):115–9

How to make the most of bone ages [editorial] Buckler JM. **Arch Dis Child** 1983 Oct;58(10):761–3

Estimation of age at death by tibial osteon remodeling in an autopsy series. Thompson DD, et al. **Forensic Sci Int** 1983 Aug-Sep;22(2–3):203–11

Importance and accuracy of bone age ratings in a computerized growth evaluation system. Zachmann M, et al. **Horm Res** 1983;18(4):160–7

Preliminary study of age changes in Gujarati (Indian) pubic bones. Pal GP, et al. **Indian J Med Res** 1983 Nov; 78:694–701

Equations for estimating age at death from the pubic symphysis: a modification of the McKern-Stewart method. Snow CC. **J Forensic Sci** 1983 Oct;28(4):864–70

Longitudinal study of body height, radius length and skeletal maturity in Danish boys with cleft lip and palate. Jensen BL, et al. **Scand J Dent Res** 1983 Dec;91(6):473–81

[Dental age, skeletal age] Charlet G. **Rev Odontostomatol (Paris)** 1984 Jan-Feb;13(1):19–31 (Fre)

[Bone age of children in 2 communities in Hungary with different fluoride levels in the drinking water] Fazekas A, et al. **Anthropol Anz** 1984 Mar;42(1):57–65 (Eng. Abstr.) (Ger)

[Tooth, skeletal and height age in patients with hypophyseal dwarfism] Fleischer-Peters A, et al. **Dtsch Zahnarztl Z** 1983 Aug;38(8):776–84 (Eng. Abstr.) (Ger)

[Significance of skeletal and dental age on the selection of orthodontic treatment systems] Schopf P. **Fortschr Kieferorthop** 1984 Feb;45(1):24–32 (Eng. Abstr.) (Ger)

[Modification of echographically detectable epiphyseal centers by the sex, weight and length of the fetus] Bernaschek G. **Geburtshilfe Frauenheilkd** 1983 Oct; 43(10):602–5 (Eng. Abstr.) (Ger)

[Determination of bone age in the 1st year of life using measurements of tarsal bone nuclei] Berger G, et al. **Padiatr Grenzgeb** 1983;22(4):263–9 (Eng. Abstr.) (Ger)

[Current methods for the evaluation of skeletal maturation. A rapid method for screening changes in skeletal maturation (letter)] Nicoletti I, et al. **Minerva Pediatr** 1983 Nov 30;35(22):1151–3 (Ita)

METHODS

[Current methods for the evaluation of the skeletal maturation. 1. Adaptation of the T.W.2 method to the Italian population (letter)] Nicoletti I, et al. **Minerva Pediatr** 1983 Nov 15;35(21):1083 (Ita)

AGE DETERMINATION BY TEETH

Are the number of teeth any help in assessing development? [editorial] Preece MA. **Arch Dis Child** 1983 Nov; 58(11):849–50

Determination of age by certain changes in the teeth for the purpose of forensic medical practice. Doichinov I. **Folia Med (Plovdiv)** 1983;25(3):49–53

Delayed dental age in hepatorenal glycogen storage disease. Loevy HT, et al. **J Am Dent Assoc** 1983 Dec;107(6):944–6

[Dental age, skeletal age] Charlet G. **Rev Odontostomatol (Paris)** 1984 Jan-Feb;13(1):19–31 (Fre)

[The density of teeth] Dufková J. **Beitr Gerichtl Med** 1984; 42:177–85 (Eng. Abstr.) (Ger)

[Comparative studies on the density of teeth from the viewpoint of forensic medicine] Dufková J, et al. **Beitr Gerichtl Med** 1983;41:377–82 (Eng. Abstr.) (Ger)

[Tooth, skeletal and height age in patients with hypophyseal dwarfism] Fleischer-Peters A, et al. **Dtsch Zahnarztl Z** 1983 Aug;38(8):776–84 (Eng. Abstr.) (Ger)

[Significance of skeletal and dental age on the selection of orthodontic treatment systems] Schopf P. **Fortschr Kieferorthop** 1984 Feb;45(1):24–32 (Eng. Abstr.) (Ger)

[Examination of the transparency of the teeth in age determination] Kósa F, et al. **Morphol Igazsagugyi Orv Sz** 1983 Oct;23(4):286–91 (Eng. Abstr.) (Hun)

VETERINARY

Cementum annulus counts provide a means for age determination in Macaca mulatta (primates, anthropoidea). Kay RF, et al. **Folia Primatol (Basel)** 1984;42(2):85–95

AGE FACTORS

Age and prior caffeine use alter the cardiovascular and adrenomedullary responses to oral caffeine. Izzo JL Jr, et

al. **Am J Cardiol** 1983 Oct 1;52(7):769–73

Estimating morbidity risks with variable age of onset: review of methods and a maximum likelihood approach. Risch N. **Biometrics** 1983 Dec;39(4):929–39

Methodology in behavioral and psychosocial cancer research. Development of psychometric assessment methods by life cycle stages. Spinetta JJ. **Cancer** 1984 May 15;53(10 Suppl):2222–7

Prognostic factors in Hodgkin's disease with special reference to age. Wedelin C, et al. **Cancer** 1984 Mar 1;53(5):1202–8

Age-dependent alterations of peritoneal exudate macrophages in autoimmune-prone and autoimmune-resistant mouse strains. Wustrow TP, et al. **Cell Immunol** 1984 Feb;83(2):321–9

Soluble age-related factors from skeletal muscle which influence muscle development. Vandenburgh HH, et al. **Exp Cell Res** 1984 Aug;153(2):389–401

Age-related changing levels of voting turnout across time. Rollenhagen RE. **Gerontologist** 1984 Apr;24(2):205–7

Age and cardiovascular response adaptation. Determinants of an antihypertensive treatment concept primarily based on beta-blockers and calcium entry blockers. Bühler FR. **Hypertension** 1983 Sep–Oct;5(5 Pt 2):III94–100

Male longevity and age differences between spouses. Foster D, et al. **J Gerontol** 1984 Jan;39(1):117–20

Meaningfulness and recall of names by young and old adults. Hanley-Dunn P, et al. **J Gerontol** 1984 Sep;39(5):583–5

Self-efficacy and attributions for intellectual performance in young and elderly adults. Lachman ME, et al. **J Gerontol** 1984 Sep;39(5):577–82

Dietary practices of early life and age at death of rats with tumors. Ross MH, et al. **JNCI** 1983 Nov;71(5):947–54

Justice between age groups: am I my parents' keeper? Daniels N. **Milbank Mem Fund Q** 1983 Summer;61(3):489–522

Methods for age-adjustment of rates. Inskip H, et al. **Stat Med** 1983 Oct–Dec;2(4):455–66

[Territorial differences in the mortality rate of the 30-to-50 age group as reflected in medical records] Schieritz F, et al. **Z Arztl Fortbild (Jena)** 1983;77(21):891–4 **(Ger)**

AGED

see related
HEALTH INSURANCE FOR AGED AND DISABLED, TITLE 18
HEALTH SERVICES FOR THE AGED
HOMES FOR THE AGED
LONGEVITY
PENSIONS
RETIREMENT

Intake of drugs among elderly people in a Danish municipality, Rødovre. Hendriksen C, et al. **Acta Med Scand** 1983;214(1):67–71

Effects of chair design, age and cognitive status on mobility. Finlay OE, et al. **Age Ageing** 1983 Nov;12(4):329–35

Haematological and biochemical laboratory values in an ambulatory elderly population: an analysis of the effects of age, sex and drugs. Hale WE, et al. **Age Ageing** 1983 Nov;12(4):275–84

Drug compliance not so bad, knowledge not so good--the elderly after hospital discharge. Smith P, et al. **Age Ageing** 1983 Nov;12(4):336–42

Diagnostic oncology case study: painless proptosis in an elderly woman. Ryoo MC, et al. **AJR** 1984 May; 142(5):1052–4

Institutional care at the age of 79 in an urban population—an analysis from a longitudinal population study. Mellström D, et al. **Aktuel Gerontol** 1983 Nov;13(6):241–3

Problems with prescription drugs highest among elderly [news] **Am Fam Physician** 1983 Dec;28(6):236

Geriatric rehabilitation. Cohen BS. **Am Fam Physician** 1984 Jul;30(1):133–7

Update on drugs and the elderly. Jernigan JA. **Am Fam Physician** 1984 Apr;29(4):238–47

Use of hypnotics in the elderly. Lamy PP. **Am Fam Physician** 1984 Aug;30(2):187–91

The elderly amputee. Levine AM. **Am Fam Physician** 1984 May;29(5):177–82

The dying elderly patient. Marshall JR. **Am Fam Physician** 1983 Nov;28(5):161–5

Symposium on evidence relating selected vitamins and minerals to health and disease in the elderly population in the United States. American Society for Clinical Nutrition, Washington D.C., May 8, 1982. **Am J Clin Nutr** 1982 Nov;36(5 Suppl):977–1086

Short-term interpersonal therapy (IPT) with the depressed elderly: case reports and discussion. Sholomskas AJ, et al. **Am J Psychother** 1983 Oct;37(4):552–66

Personal health practices and mortality among the elderly. Branch LG, et al. **Am J Public Health** 1984 Oct; 74(10):1126–9

A prospective study of functional status among community elders. Branch LG, et al. **Am J Public Health** 1984 Mar; 74(3):266–8

The impact of demographic trends on hospital surgical care. Harbrecht PJ, et al. **Am Surg** 1984 May;50(5):270–4

The three tier family support system in care of the elderly. Wetle T, et al. **Ann Acad Med Singapore** 1983 Jul; 12(3):405–9

Vitamin D intake, sunlight exposure and 25-hydroxyvitamin D levels in the elderly during one year. Lamberg-Allardt C. **Ann Nutr Metab** 1984;28(3):144–50

Sleep disturbances in aging: a theoretic and empiric analysis. Colling J. **ANS** 1983 Oct;6(1):36–44 (52 ref.)

Ethnicity, aging and society: theoretical lessons from the United States experience. Markides KS. **Arch Gerontol Geriatr** 1983 Nov;2(3):221–8

Supportive exchange: an exploration of the relationship between social contacts and perceived health status in the elderly. Minkler MA, et al. **Arch Gerontol Geriatr** 1983 Nov;2(3):211–20

The housing of the disabled and non-disabled elderly in Wales. Victor CR, et al. **Arch Gerontol Geriatr** 1984 Jul; 3(2):109–13

The accuracy of prognostic judgments of elderly long-term care patients. Wan TT, et al. **Arch Gerontol Geriatr** 1983 Nov;2(3):265–73

Medication problems among outpatients. A study with emphasis on the elderly. Klein LE, et al. **Arch Intern Med** 1984 Jun;144(6):1185–8

Nutritional status of the elderly in Palmares, Costa Rica. Havlir DV, et al. **Arch Latinoam Nutr** 1983 Jun; 33(2):409–22

Physical fitness prospects in the elderly. Vallbona C, et al. **Arch Phys Med Rehabil** 1984 Apr;65(4):194–200

Copper biochemistry and nutrition in the aged adult. Watson RR. **Ariz Med** 1984 Feb;41(2):94–5

Zinc in the aged adult. Watson RR. **Ariz Med** 1984 Mar; 41(3):172–4

Nutritional problems of the elderly. 19th symposium of the Group of European Nutritionists on Nutritional Problems of the Elderly, Perugia, May 5–7, 1982. **Bibl Nutr Dieta** 1983;(33):1–199

Food consumption in the aged: a survey in nursing homes of the Paris area. Astier-Dumas M, et al. **Bibl Nutr Dieta** 1983;(33):75–9

Nutritional support of the elderly in the UK. Davies L. **Bibl Nutr Dieta** 1983;(33):176–9

Nutritional support of the elderly in Europe: German Democratic Republic. Haenel H. **Bibl Nutr Dieta** 1983; (33):184–7

Nutrition of old people in Czechoslovakia. Hejda S. **Bibl Nutr Dieta** 1983;(33):188–91

Nutritional status of the elderly in Zürich. Somogyi JC, et al. **Bibl Nutr Dieta** 1983;(33):121–31

Nutritional support of elderly care in Europe. Aspects from Sweden. Steen B. **Bibl Nutr Dieta** 1983;(33):165–7

New perspectives on nutritional counseling for the elderly. Kohrs MB. **Bol Asoc Med PR** 1983 Aug;75(8):363–5

Pharmacokinetics of chlorthalidone in the elderly after single and multiple doses [letter] Colussi D, et al. **Br J Clin Pharmacol** 1983 Dec;16(6):755–6

Anthropometric norms in the elderly. Burr ML, et al. **Br J Nutr** 1984 Mar;51(2):165–9

Developing physical fitness for the elderly through sport and exercise. Meusel H. **Br J Sports Med** 1984 Mar;18(1):4–12

Patterns of urine flow and electrolyte excretion in healthy elderly people. Kirkland JL, et al. **Br Med J [Clin Res]** 1983 Dec 3;287(6406):1665–7

Characteristics of patients aged over 75 not seen during one year in general practice. Williams EI. **Br Med J [Clin Res]** 1984 Jan 14;288(6411):119–21

Accommodation preference in the senior years. Agbayewa MO, et al. **Can J Public Health** 1984 Mar-Apr;75(2):176–80

A nutritional knowledge questionnaire for the elderly. Thurston NE, et al. **Can J Public Health** 1983 Jul-Aug; 74(4):256–60

Clinical trials and drug toxicity in the elderly. The experience of the Eastern Cooperative Oncology Group. Begg CB, et al. **Cancer** 1983 Dec 1;52(11):1986–92

Occult papillary thyroid carcinoma in the young and the aged. Bondeson L, et al. **Cancer** 1984 Apr 15;53(8):1790–2

Unexplained severe pulmonary hypertension in the older age group. Phipps B, et al. **Chest** 1983 Oct;84(4):399–402

Reference intervals for serum lipids, lipoproteins, and apoproteins in the elderly. Alvarez C, et al. **Clin Chem** 1984 Mar;30(3):404–6

Alfentanil kinetics in the elderly. Helmers H, et al. **Clin Pharmacol Ther** 1984 Aug;36(2):239–43

To (live and) die like a lord. Driver C, et al. **Community Health Stud** 1984;8(2):234–9

Relative risk rates of nonmedical predictors of institutional care among elderly persons. Branch LG. **Compr Ther** 1984 Jul;10(7):33–40

Long-acting and short-acting benzodiazepines in the elderly: kinetic differences and clinical relevance. Bandera R, et al. **Curr Med Res Opin** 1984;8 Suppl 4:94–107

Drug abuse by older adults—who is responsible? Lamy PP. **Drug Intell Clin Pharm** 1983 Sep;17(9):657–9

Receipt of prescription drug information by the elderly. Moore SR, et al. **Drug Intell Clin Pharm** 1983 Dec; 17(12):920–3

A study of pharmacists' involvement in drug use by the elderly. Smith MC, et al. **Drug Intell Clin Pharm** 1984 Jun; 18(6):525–9

Prevalence of ECG findings in very old people. Rajala S, et al. **Eur Heart J** 1984 Feb;5(2):168–74

The effect of repeated testing upon comprehension of informed consent materials by elderly volunteers. Taub HA, et al. **Exp Aging Res** 1983 Fall;9(3):135–8

The normal ECG. Horowitz LN. **Geriatrics** 1984 Aug; 39(8):55, 59–60, 65

Exercises to promote independent living in older patients. Lönnerblad L. **Geriatrics** 1984 Feb;39(2):93–101

Training managers of older workers: implications for industrial gerontology. Dennis H, et al. **Gerontol Geriatr Educ** 1983 Fall;4(1):53–60 (18 ref.)

Toward a critical gerontology: curriculum design in philosophy and aging. Gadow SA. **Gerontol Geriatr Educ** 1983 Fall;4(1):67–74 (10 ref.)

An evaluation of nursing students' attitudes and interest in working with older people. Greenhill ED. **Gerontol Geriatr Educ** 1983 Fall;4(1):83–8

A classroom experience to improve young children's views of the elderly. Kamenir CL. **Gerontol Geriatr Educ** 1983 Fall;4(1):97–109

The efficacy of a self help teacher training program for older adults. Kaye LW, et al. **Gerontol Geriatr Educ** 1983 Winter; 4(2):75–87

Will gerontology change our educational system? Missinne LE. **Gerontol Geriatr Educ** 1983 Fall;4(1):25–35 (7 ref.)

Elementary public school teachers' attitudes toward elderly women and men: sex stereotypic? Ortmeyer LE. **Gerontol Geriatr Educ** 1983 Fall;4(1):111–7

Sexuality and aging: an innovative educational approach. West HL. **Gerontol Geriatr Educ** 1983 Fall;4(1):61–6

Knowledge of aging in the medical profession. West HL, et al. **Gerontol Geriatr Educ** 1984 Spring;4(3):23–31

31st annual scientific meeting of the Gerontological Society. Dallas, Texas, November 16–20, 1978. Abstracts. **Gerontologist** 1978;1–180

30th annual meeting of the Gerontological Society. San Francisco, California, November 18–22, 1977. Abstracts. **Gerontologist** 1977 Oct;17(5 Pt 2):1–174

36th annual scientific meeting of the Gerontological Society of America. November 18–22, 1983, San Francisco, California. Abstracts. **Gerontologist** 1983 Oct;23 Spec No:61–323

Perceived risk and elderly perceptions of generic drug prescribing. Bearden WO, et al. **Gerontologist** 1979 Apr; 19(2):191–5

Economic security for the elderly: national and international perspectives. Beattie WM Jr. **Gerontologist** 1983 Aug; 23(4):406–10

Depictions of aging and old age on Saturday morning television. Bishop JM, et al. **Gerontologist** 1984 Feb; 24(1):91–4

Relocation and its effect on mortality. Borup JH, et al. **Gerontologist** 1979 Apr;19(2):135–40

Evaluating information and referral services. Burkhardt JE. **Gerontologist** 1979 Feb;19(1):28–33

Older Americans and market work. Burkhauser RV, et al. **Gerontologist** 1978 Oct;18(5 Pt 1):449–53

Criminal victimization of the elderly: the physical and economic consequences. Cook FL, et al. **Gerontologist** 1978 Aug;18(4):338–49

Audiovisual reviews: media models of successful aging. Davis RH. **Gerontologist** 1979 Feb;19(1):121–5

The Spanish-speaking elderly: a bibliography. Delgado M, et al. **Gerontologist** 1978 Aug;18(4):387–94

Wives of elderly disabled men: the hidden patients. Fengler AP, et al. **Gerontologist** 1979 Apr;19(2):175–83

The Administration on Aging as an advocate: progress, problems, and prospects. Fritz D. **Gerontologist** 1979 Apr; 19(2):141–50

Nonverbal communication systems for the severely handicapped geriatric patients. Hardiman CJ, et al. **Gerontologist** 1979 Feb;19(1):96–101

Discriminating between survivors and nonsurvivors among working class aged living in the community. Harel Z. **Gerontologist** 1979 Feb;19(1):83–9

Short-term counseling groups for people with elderly parents. Hausman CP. **Gerontologist** 1979 Feb;19(i):102–7

Aging and family resources: availability and proximity of kin. Hays JA. **Gerontologist** 1984 Apr;24(2):149–53

Using survey data in the study of social stratification in late life. Henretta JC. **Gerontologist** 1979 Apr;19(2):197–202

Peer counselor training with the elderly. Hoffman SB. **Gerontologist** 1983 Aug;23(4):358–60

The 'graying' of the federal budget and its consequences for old-age policy. Hudson RB. **Gerontologist** 1978 Oct;18(5 Pt 1):428–40

Residential, health, and social service needs of elderly developmentally disabled persons. Janicki MP, et al. **Gerontologist** 1984 Apr;24(2):128–37

Planning the future of institutional care: the true costs. Kaplan J. **Gerontologist** 1983 Aug;23(4):411–5

Discriminators of loneliness among the rural elderly: implications for intervention. Kivett VR. **Gerontologist** 1979 Feb;19(1):108–15

Comment: an examination of Palmore's Facts on Aging Quiz. Klemmack DL. **Gerontologist** 1978 Aug;18(4):403–6

Hazards of drug use among the elderly. Krupka LR, et al. **Gerontologist** 1979 Feb;19(1):90–5

Open letter. Kuhn ME. **Gerontologist** 1978 Oct;18(5 Pt 1):422–7

Processes and goals in aftercare programs for deinstitutionalized elderly mental patients. Kultgen P, et al. **Gerontologist** 1984 Apr;24(2):167–73

Canadian and U.S. systems of care for the mentally ill elderly. Liptzin B. **Gerontologist** 1984 Apr;24(2):174–8

Informed consent, research, and geriatric patients: the responsibility of Institutional Review Committees. Makarushka JL, et al. **Gerontologist** 1979 Feb;19(1):61–6

Geriatric suicide: the Arizona study. Miller M. **Gerontologist** 1978 Oct;18(5 Pt 1):488–95

Cross-national trends in mortality rates among the elderly. Myers GC. **Gerontologist** 1978 Oct;18(5 Pt 1):441–8
Volunteer advocates in long-term care: local implementation of a federal mandate. Netting FE, et al. **Gerontologist** 1984 Feb;24(1):13–5
New directions or old themes revisited? The present federal role in service entitlements. Oriol WE. **Gerontologist** 1983 Aug;23(4):399–401
Advantages of aging. Palmore E. **Gerontologist** 1979 Apr; 19(2):220–3
Ethical issues related to research involving elderly subjects. Reich WT. **Gerontologist** 1978 Aug;18(4):326–37
Characteristics of elderly Pueblo Indians in New Mexico. Rogers CJ, et al. **Gerontologist** 1978 Oct;18(5 Pt 1):482–7
A network model for leadership development among the elderly. Ruffini JL, et al. **Gerontologist** 1979 Apr; 19(2):158–62
Human services constraints at state and local levels. Sainer JS. **Gerontologist** 1983 Aug;23(4):402–5
Barriers to effective outreach in Title VII nutrition programs. Schneider RL. **Gerontologist** 1979 Apr;19(2):163–8
The Robert W. Kleemeier Award lecture. Social myth as hypothesis: the case of the family relations of old people. Shanas E. **Gerontologist** 1979 Feb;19(1):3–9
The family as a social support system in old age. Shanas E. **Gerontologist** 1979 Apr;19(2):169–74
Donald P. Kent memorial lecture. Can we invalidate negative stereotypes of aging? Tibbitts C. **Gerontologist** 1979 Feb; 19(1):10–20
Factors contributing to older persons' satisfaction with their communities. Toseland R, et al. **Gerontologist** 1978 Aug; 18(4):395–402
Socialist organization and economic development in China: latent consequences for the aged. Treas J. **Gerontologist** 1979 Feb;19(1):34–43
Volunteer community representatives as ombudsmen for the elderly in long-term care facilities. Zischka PC, et al. **Gerontologist** 1984 Feb;24(1):9–12
Drug policy in the aging society. Avorn J. **Health Aff (Millwood)** 1983 Fall;2(3):23–32
The functions and effectiveness of a day hospital for the demented elderly. Eagles JM, et al. **Health Bull (Edinb)** 1984 Mar;42(2):87–91
The role of psychogeriatric assessment units in a comprehensive psychiatric service. McKechnie AA, et al. **Health Bull (Edinb)** 1984 Jan;42(1):25–35
Medication utilization problems among the elderly. Giannetti VJ. **Health Soc Work** 1983 Fall;8(4):262–70 (28 ref.)
Classification of femoral neck fractures in the elderly as pathologic fractures. Calandruccio RA. **Hip** 1983;:9–33
Medical and psychosocial risk factors in the dental treatment of the elderly. Ettinger RL, et al. **Int Dent J** 1983 Sep; 33(3):292–300
Environmental satisfaction, sociability, and well-being among urban elderly. Barresi CM, et al. **Int J Aging Hum Dev** 1983–84;18(4):277–93
Drug and alcohol abuse among the elderly: is being alone the key? Brown BB, et al. **Int J Aging Hum Dev** 1983–84; 18(1):1–12
Anthropology, life histories, and the aged: the Toronto Baycrest Centre. Holzberg CS. **Int J Aging Hum Dev** 1983–84;18(4):255–75
Nutritional status of the elderly. II. Anthropometry, dietary and biochemical data of old pensioners in Perugia at the fifth year follow-up. Fidanza F, et al. **Int J Vitam Nutr Res** 1984;54(1):75–90
Domiciliary physiotherapy for old people who have fallen. Obonyo T, et al. **Int Rehabil Med** 1983;5(4):157–60
Vitamin C in the elderly. Hanck A. **Int Z Vitam Ernahrungsforsch [Beih]** 1983;24:257–69
The vitamin B-complex in geriatrics: a review of its role. Moriguchi Y. **Int Z Vitam Ernahrungsforsch [Beih]** 1983; 24:271–5
The influence of ready-to-eat cereal consumption at breakfast on nutrient intakes of individuals 62 years and older. Morgan KJ, et al. **J Am Coll Nutr** 1984;3(1):27–44
Nutritional status of an institutionalized aged population. Smith JL, et al. **J Am Coll Nutr** 1984;3(1):13–25
ADA takes proactive stance, testifies on Older Americans Act reauthorization. **J Am Diet Assoc** 1984 Jul;84(7):822–35
41st annual meeting of the American Geriatrics Society in association with 5th annual meeting of the American Federation for Aging Research. Denver, Colorado, May 15–18, 1984. Abstracts. **J Am Geriatr Soc** 1984 Apr;32(4 Suppl):S12–31
Small intestinal manometry in healthy elderly subjects. Annras S, et al. **J Am Geriatr Soc** 1984 Aug;32(8):581–3
The assessment of social networks and social support in the elderly. Berkman LF. **J Am Geriatr Soc** 1983 Dec; 31(12):743–9
DRG—the second revolution in health care for the elderly. Brody SJ, et al. **J Am Geriatr Soc** 1984 Sep;32(9):676–9
Level of care and complications among geriatric patients discharged from the medical service of a teaching hospital. Davis JW, et al. **J Am Geriatr Soc** 1984 Jun;32(6):427–30
Plasma norepinephrine levels of elderly men on a controlled sodium intake diet. Fiorica V. **J Am Geriatr Soc** 1984 Aug; 32(8):576–80
Low yield of screening for hypothyroidism in healthy elderly. Heikoff LE, et al. **J Am Geriatr Soc** 1984 Aug; 32(8):616–7
Patterns of utilization, disposition, and length of stay among stroke patients in a community hospital setting. Herman JM, et al. **J Am Geriatr Soc** 1984 Jun;32(6):421–6
Generic drugs and the elderly: another view [editorial] Lamy PP. **J Am Geriatr Soc** 1984 Feb;32(2):92–4
Use of health care services by older Hispanics. Lopez-Aqueres W, et al. **J Am Geriatr Soc** 1984 Jun; 32(6):435–40
The elderly and the threat of nuclear war. Meier DE. **J Am Geriatr Soc** 1984 Sep;32(9):680–2
Hospital use by the extremely elderly (nonagenarians): a two-year study. Patterson C, et al. **J Am Geriatr Soc** 1984 May;32(5):350–2
Institutional prescribing for the elderly: patterns of prescribing in a municipal hospital and a municipal nursing home. Reynolds MD. **J Am Geriatr Soc** 1984 Sep; 32(9):640–5
Child-resistant packaging and the geriatric patient. Robbins LJ, et al. **J Am Geriatr Soc** 1984 Jun;32(6):450–2
Iatrogenic disease on a medical service. Steel K. **J Am Geriatr Soc** 1984 Jun;32(6):445–9
Contrasts in the health of elderly men and women: an analysis of recent data for whites in the United States. Wylie CM. **J Am Geriatr Soc** 1984 Sep;32(9):670–5
Acute confusional states in the geriatric population. Cavalieri TA. **J Am Osteopath Assoc** 1984 Jul;83(11):801–5
Ceftazidime: pharmacokinetics in young volunteers versus elderly patients and therapeutic efficacy with complicated urinary tract infections. Naber KG, et al. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:41–5
Dental hygiene students' future orientation and perceptions of old age and of older persons. Rakowski W, et al. **J Dent Educ** 1984 Jun;48(6):302–8
Longitudinal changes in functional capacity among surviving old people continuously resident in hospitals and homes. Donaldson LJ. **J Epidemiol Community Health** 1984 Sep; 38(3):240–6
Survival and functional capacity: three year follow up of an elderly population in hospitals and homes. Donaldson LJ, et al. **J Epidemiol Community Health** 1983 Sep; 37(3):176–9
Placement decisions for the elderly: a family crisis. Pace WD, et al. **J Fam Pract** 1984 Jan;18(1):31–9, 43–6
Ethnic and cultural variations in the care of the aged. Discussion: the black elderly: biopsychosocial perspectives within an age cohort and adult development context. Baker FM. **J Geriatr Psychiatry** 1982;15(2):225–37
Ethnic and cultural variations in the care of the aged. Some aspects of working with the Italian elderly. Cacciola EJ. **J Geriatr Psychiatry** 1982;15(2):197–208
Ethnic and cultural variations in the care of the aged. Hispanic elderly and natural support systems: a special focus on Puerto Ricans. Delgado M. **J Geriatr Psychiatry** 1982;15(2):239–55
Ethnic and cultural variations in the care of the aged. Introduction. Dibner AS. **J Geriatr Psychiatry** 1982; 15(2):193–6
Aging and religious participation. Ainlay SC, et al. **J Gerontol** 1984 May;39(3):357–63
Retirement preparation programs: differentials in opportunity and use. Beck SH. **J Gerontol** 1984 Sep;39(5):596–602
Longitudinal development of sleep-related respiratory disturbance in adult humans. Bliwise D, et al. **J Gerontol** 1984 May;39(3):290–3
Beneficence and the aged. Dowd JJ. **J Gerontol** 1984 Jan; 39(1):102–8
Change in household composition of the elderly: a preliminary investigation. Fillenbaum GG, et al. **J Gerontol** 1984 May;39(3):342–9
Factors influencing the nighttime activity of old persons in their community. Golant SM. **J Gerontol** 1984 Jul; 39(4):485–91
Development of indicator scales for the Comprehensive Assessment and Referral Evaluation (CARE) interview schedule. Golden RR, et al. **J Gerontol** 1984 Mar; 39(2):138–46
The SHORT-CARE: an efficient instrument for the assessment of depression, dementia and disability. Gurland B, et al. **J Gerontol** 1984 Mar;39(2):166–9
The CARE interview revisited: development of an efficient, systematic clinical assessment. Gurland BJ, et al. **J Gerontol** 1984 Mar;39(2):129–37
Filial expectations, association, and helping as a function of number of children among older rural-transitional parents. Kivett VR, et al. **J Gerontol** 1984 Jul;39(4):499–503
Dimensions of the Life Satisfaction Index A: a structural formulation. Liang J. **J Gerontol** 1984 Sep;39(5):613–22
Self-evaluation of life function (self) scale: a short, comprehensive self-report of health for elderly adults. Linn MW, et al. **J Gerontol** 1984 Sep;39(5):603–12
Families caring for elders in residence: issues in the measurement of burden. Poulshock SW, et al. **J Gerontol** 1984 Mar;39(2):230–9
Determinants of the community living arrangements of older unmarried women. Soldo BJ, et al. **J Gerontol** 1984 Jul; 39(4):492–8
Construct validity of indicator-scales developed from the Comprehensive Assessment and Referral Evaluation interview schedule. Teresi JA, et al. **J Gerontol** 1984 Mar; 39(2):147–57
Concurrent and predictive validity of indicator scales developed for the Comprehensive Assessment and Referral Evaluation interview schedule. Teresi JA, et al. **J Gerontol** 1984 Mar;39(2):158–65
Homogeneity of friendship networks of elderly blacks and whites. Usui WM. **J Gerontol** 1984 May;39(3):350–6
Informal networks and knowledge of services for older persons. Ward RA, et al. **J Gerontol** 1984 Mar;39(2):216–23
Physician and hospital utilization among noninstitutionalized elderly adults: an analysis of the Health Interview Survey. Wolinsky FD, et al. **J Gerontol** 1984 May;39(3):334–41
Measurement of the global and functional dimensions of health status in the elderly. Wolinsky FD, et al. **J Gerontol** 1984 Jan;39(1):88–92
Analysis of practice interviews of medical students with elderly persons. Prendergast C, et al. **J Med Educ** 1984 Jul;59(7):600–2
Thyrotoxicosis in the elderly. Finch MJ, et al. **J Natl Med Assoc** 1983 Oct;75(10):949–52
Nutritional support for the geriatric surgical patient. Organ CH Jr, et al. **J Okla State Med Assoc** 1983 Sep;76(9):317–23
The nutritional intake of geriatric patients with varied dentitions. Baxter JC. **J Prosthet Dent** 1984 Feb;51(2):164–8
Prevention, the aged, and the costs of medical care. **J Public Health Policy** 1984 Jun;5(2):157–64
The over-eighties in Britain: the social construction of panic. Jefferys M. **J Public Health Policy** 1983 Sep;4(3):367–72
Carers of the elderly in the community. Jones DA, et al. **J R Coll Gen Pract** 1983 Nov;33(256):707–10
The elderly at risk: a critical examination of commonly identified risk groups. Taylor RC, et al. **J R Coll Gen Pract** 1983 Nov;33(256):699–705
Primary care teams and the elderly in Northern Ireland. Woods JO, et al. **J R Coll Gen Pract** 1983 Nov; 33(256):693–7
Homicide in the elderly population in South Carolina, 1970–1979. Gibbs T, et al. **J SC Med Assoc** 1984 Jan; 80(1):25–7
Hypertension in the elderly. Applegate WB, et al. **J Tenn Med Assoc** 1984 Apr;77(4):216
Drugs and the elderly. Greene JA. **J Tenn Med Assoc** 1983 Sep;76(9):585
Geriatric trauma: injury patterns and outcome. Oreskovich MR, et al. **J Trauma** 1984 Jul;24(7):565–72
Exercise programs for the elderly. Council on Scientific Affairs. **JAMA** 1984 Jul 27;252(4):544–6
'Uncle George' resurrected. **JAMA** 1983 Nov 18; 250(19):2609
Self-care education program in the elderly [letter] Rolfi G, et al. **JAMA** 1984 Jun 8;251(22):2929
Medication for the elderly. Recommendations of RCP working party. **Lancet** 1984 Feb 4;1(8371):271–2
Coeliac disease in the elderly [editorial] **Lancet** 1984 Apr 7;1(8380):775–6
Blood pressure and mortality in the very old [letter] Burch PR. **Lancet** 1983 Oct 8;2(8354):852–3
Tough cells and old age [letter] Byers PD. **Lancet** 1984 Jan 14;1(8368):113
Cardiopulmonary resuscitation of old people [letter] Epstein FH, et al. **Lancet** 1983 Oct 1;2(8353):794
Practical help. Hopkins A. **Lancet** 1984 Jun 23;1(8391):1393–6
The elderly and their ankle jerks. Impallomeni M, et al. **Lancet** 1984 Mar 24;1(8378):670–2
Blood pressure and mortality in the very old [letter] Mitchell JR. **Lancet** 1983 Nov 26;2(8361):1248
Drug trials in the elderly [letter] Rozzini R, et al. **Lancet** 1984 Jan 21;1(8369):165
Drug trials, the 'elderly', and the very aged [letter] Smith C, et al. **Lancet** 1983 Nov 12;2(8359):1139
An eye on old age. Weale RA. **Lancet** 1984 May 5; 1(8384):1008–9
Decrease in luteinizing hormone biological activity/immunoreactivity ratio in elderly men. Marrama P, et al. **Maturitas** 1984 Apr;5(4):223–31
Insurance plan effects on dental provider treatment patterns for elderly patients. An experimental economics approach. Conrad DA, et al. **Med Care** 1984 May;22(5):430–46
Physiological adjustments to higher- or lower-intensity exercise in elders. Badenhop DT, et al. **Med Sci Sports Exerc** 1983;15(6):496–502
The problem of the elderly impaired physician. Smith RJ. **Mich Med** 1983 May;82(24):282–3
Work ability of the aged under conditions of improving mortality. Feldman JJ. **Milbank Mem Fund Q** 1983 Summer;61(3):430–44
'Though much is taken': reflections on aging, health, and medical care. Fuchs VR. **Milbank Mem Fund Q** 1984 Spring;62(2):143–66
The elderly: an international policy perspective. Ginzberg E. **Milbank Mem Fund Q** 1983 Summer;61(3):473–88
Old age: right to privacy and patient's right to know. Butler RN. **Mt Sinai J Med (NY)** 1984 Jan–Feb;51(1):86–8
Rabbinic comment: Old age: right to privacy and patient's right to know. Gordon MA. **Mt Sinai J Med (NY)** 1984 Jan–Feb;51(1):89–91
Postprandial reduction in blood pressure in the elderly [letter] **N Engl J Med** 1983 Nov 17;309(20):1255–6
Aging and the color of pills [letter] Hurd PD, et al. **N Engl J Med** 1984 Jan 19;310(3):202
Dehydration in elderly [editorial] Leaf A. **N Engl J Med** 1984 Sep 20;311(12):791–2
Age discrimination in the medical profession [letter] Norstrand IF. **N Engl J Med** 1984 Oct 11;311(15):990
Reduced thirst after water deprivation in healthy elderly men. Phillips PA, et al. **N Engl J Med** 1984 Sep 20;

311(12):753–9
A case for health promotion with the elderly. Kee CC. **Nurs Clin North Am** 1984 Jun;19(2):251–62
Diabetes mellitus and the elderly. Marchesseault LC. **Nurs Clin North Am** 1983 Dec;18(4):791–8
Dependency levels of elderly people in institutional care in Dunedin. Campbell AJ, et al. **NZ Med J** 1984 Jan 11; 97(747):12–5
Ohio plans for the care of its elderly. Edwards KS. **Ohio State Med J** 1984 Mar;80(3):195–7
What do I do with my patient? Edwards KS. **Ohio State Med J** 1984 Mar;80(3): 188–91
The voice of America is coming of age. Porter S. **Ohio State Med J** 1984 Mar;80(3):203–5
The physician and the elderly. Werner M. **Ohio State Med J** 1984 Mar;80(3):179
Steroid use in the elderly. Guidelines for avoiding adverse effects. Kaiser FE, et al. **Postgrad Med** 1984 Jul;76(1):65–8, 72–4
Hazards of drug use in the elderly. Commonsense measures to reduce them. Lamy PP. **Postgrad Med** 1984 Jul; 76(1):50–3, 56–7, 60–1
Oral health changes in the elderly. Their relationship to nutrition. Niessen LC, et al. **Postgrad Med** 1984 Apr; 75(5):231–7
Community-based cancer education for the elderly. Kane-Williams E, et al. **Prog Clin Biol Res** 1983;130:113–22
Cancer and the elderly: a cancer control challenge. Rimer B, et al. **Prog Clin Biol Res** 1983;130:123–33
Housing elderly people: some themes of current research. Tinker A. **Public Health** 1983 Sep;97(5):290–5
Health, make it last a lifetime [editorial] Heckler MM. **Public Health Rep** 1984 May–Jun;99(3):221–2
The coloured elderly in Cape Town—a psychosocial, psychiatric and medical community survey. Part IV. Haematological values. Jacobs P, et al. **S Afr Med J** 1984 Jan 7;65(1):16–8
The coloured elderly in Cape Town—a psychosocial, psychiatric and medical community survey. Part III. A survey of physical disorders and disabilities. Nash ES, et al. **S Afr Med J** 1983 Dec 31;64(28):1089–94
Adverse drug reactions in the elderly. Paton DM. **S Afr Med J** 1984 Jul 21;66(3):84
Muscle function in 75-year-old men and women. A longitudinal study. Aniansson A, et al. **Scand J Rehabil Med [Suppl]** 1983;9:92–102
The elderly in Scandinavia: demographic, economic, social and health conditions in 1834. Gray JA. **Scand J Soc Med** 1984;12(2):65–8
Lay consultation of older people. Furstenberg AL, et al. **Soc Sci Med** 1984;18(10):827–37
Public preferences for the care of dependency groups. West P, et al. **Soc Sci Med** 1984;18(4):287–95
Elective coronary artery bypass in the elderly: experience in a community hospital. Richardson JV, et al. **South Med J** 1984 Jan;77(1):30–2
Suicide among older people: projections for the future. Haas AP, et al. **Suicide Life Threat Behav** 1983 Fall;13(3):147–54
Congregate living arrangements: the financing option. Ward ME. **Top Health Care Financ** 1984 Spring;10(3):34–45
Changes in mortality among the elderly: United States, 1940–78. Supplement to 1980. **Vital Health Stat [3]** 1984 Apr;(22A):1–21
Drug use in the elderly. Finucane T. **W Va Med J** 1983 Dec;79(12):275–8
Surgical procedures in nonagenarians. Michel SL, et al. **West J Med** 1984 Jul;141(1):61–3
Preoperative assessment of the elderly. Djokovic JL. **Wis Med J** 1983 Aug;82(8):20–2
Accident and fall prevention in the elderly. Duthie EH, et al. **Wis Med J** 1983 Sep;82(9):23–5
Laboratory testing in the elderly. Gambert SR, et al. **Wis Med J** 1983 Aug;82(8):19–20
Guidelines for oral health care of the institutionalized elderly. Lloyd PM, et al. **Wis Med J** 1983 Sep;82(9):28–30
Hematologic problems in the elderly. Mazza JJ. **Wis Med J** 1983 Sep;82(9):13–6
Urinary incontinence in the elderly. Murphy JB, et al. **Wis Med J** 1983 Sep;82(9):19–21
Aging in the world: demographic determinants, past trends and long-term perspective to 2075. Grinblat J. **World Health Stat Q** 1982;35(3–4):124–32 **(Eng, Fre)**
The public health impact of an increasing elderly population in the United States of America. Kovar MG. **World Health Stat Q** 1982;35(3–4):246–58 **(Eng, Fre)**
Mortality patterns and trends among the elderly in developed countries. Lopez AD, et al. **World Health Stat Q** 1982; 35(3–4):203–24 **(Eng, Fre)**
Introduction to world health statistics quarterly special issue on public health implications of aging. Macfadyen DM. **World Health Stat Q** 1982;35(3–4):120–3 **(Eng, Fre)**
Aging in developing countries. Meegama SA. **World Health Stat Q** 1982;35(3–4):239–45 **(Eng, Fre)**
Aging and the family. Myers GC, et al. **World Health Stat Q** 1982;35(3–4):225–38 **(Eng, Fre)**
Demographic aspects of the health of the elderly to the year 2000 and beyond. Siegel JS, et al. **World Health Stat Q** 1982;35(3–4):133–202 **(Eng, Fre)**
Aging and some aspects of its public health implications in Hungary. Tamasy J. **World Health Stat Q** 1982; 35(3–4):259–80 **(Eng, Fre)**
[Cerebral functions of the aged] Chen KZ. **Chung Hsi I Chieh Ho Tsa Chih** 1983 Jul;3(4):227–8 (Eng. Abstr.) **(Chi)**
[Preliminary observation on digestive function of aged people and patients with splenic deficiency] Jin JS. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Mar;4(3):164–5 (Eng. Abstr.) **(Chi)**
[Discussion on the diagnosis of the deficiency syndrome of the aged] Weng WL. **Chung Hsi I Chieh Ho Tsa Chih** 1983 Jul;3(4):229–30 **(Chi)**
[Levels of hormonal substances in the serum (plasma) in old age. I] Doleček R, et al. **Cas Lek Cesk** 1983 Jul 8; 122(27):850–6 (Eng. Abstr.) **(Cze)**
[Diagnosis of the social assistance needs of the elderly] Stránská D. **Cas Lek Cesk** 1984 Mar 9;123(10):286–9 (Eng. Abstr.) **(Cze)**
[Sequelae of home accidents in the aged] Klasen HJ. **Tijdschr Gerontol Geriatr** 1983 Oct;14(5):195–7 (Eng. Abstr.) **(Dut)**
[Being old in ancient Hellas] van Hoof AJ. **Tijdschr Gerontol Geriatr** 1983 Aug;14(4):141–8 (Eng. Abstr.) **(Dut)**
[The disability of the aged amputee] Vaucher J. **Rev Med Suisse Romande** 1983 Sep;103(9):795–8 **(Fre)**
[Direct Coombs' test in the aged] Tanew A, et al. **Acta Med Austriaca** 1984;11(2):45–7 (Eng. Abstr.) **(Ger)**
[Spatial orientation capability in the elderly] Winkler R, et al. **Aktuel Gerontol** 1983 Nov;13(6):236–40 (Eng. Abstr.) **(Ger)**
[Advances in the therapy of geriatric dermatoses] **Hautarzt** 1983;34 Suppl 6:247–58 **(Ger)**
[Health protection for the elderly] Mikat B. **Lebensversicherungsmedizin** 1984 Jun 12;36(5):93–4 (Eng. Abstr.) **(Ger)**
[The elderly on trips and on vacation] Golling FR, et al. **MMW** 1983 Aug 26;125(34):734–6 (Eng. Abstr.) **(Ger)**
[The church and old age in history and in the present] Becker KF. **Z Gerontol** 1984 Jan–Feb;17(1):32–8 (Eng. Abstr.) **(Ger)**
[The Senior Expert Service in West Germany] Fritz G. **Z Gerontol** 1983 Sep–Oct;16(5):248–50 (Eng. Abstr.) **(Ger)**
[Health protection for older workers—a pilot study on category F 03 of regulation no 2. on the decree on prevention, reporting and evaluation of occupational diseases in the central city district Berlin] Loock R, et al. **Z Gesamte Hyg** 1983 Aug;29(8):473–8 (Eng. Abstr.) **(Ger)**
[The retired person in a socialist society] Dan J. **ZFA** 1984 Mar–Apr;39(2):111–4 (Eng. Abstr.) **(Ger)**
[Age and sexuality from the viewpoint of the inmates of homes for the aged and nursing homes] Hesse G, et al. **ZFA** 1984 Mar–Apr;39(2):91–103 (Eng. Abstr.) **(Ger)**
[Living in age-appropriate housing] Oehlert-Schulze A. **ZFA** 1983 Jul–Aug;38(4):283–5 **(Ger)**
[Social integration of aged citizens in homes for the aged] Rieske B, et al. **ZFA** 1984 Mar–Apr;39(2):105–10 (Eng. Abstr.) **(Ger)**
[Drugs in old age—epidemiologic data on usage] van Zonneveld RJ. **ZFA** 1984 Jan–Feb;39(1):43–5 (Eng. Abstr.) **(Ger)**
[Aspects of evaluating disease in elderly patients. A study from general practice] Fischer G. **ZFA (Stuttgart)** 1983 Aug 20;59(23):1275–80 **(Ger)**
[Subcutaneous infusions in the elderly] Schen RJ, et al. **Harefuah** 1983 Jul;105(1–2):7–8 (Eng. Abstr.) **(Heb)**
[The aged patient in the general hospital (editorial)] Schen RJ. **Harefuah** 1983 Jul;105(1–2):39 **(Heb)**
[Immunologic appraisal of aged women] Bolis PF, et al. **Ann Ostet Ginecol Med Perinat** 1983 May–Jun; 104(3):208–13 (Eng. Abstr.) **(Ita)**
[Cutaneous evaporimetry. IX. Cutaneous water loss in old age] De Luca R, et al. **Boll Soc Ital Biol Sper** 1984 Jan 30;60(1):165–7 (Eng. Abstr.) **(Ita)**
[Adherent capacity of human macrophages in short-term cultures. Activity in an aged population] Di Perna S, et al. **Boll Soc Ital Biol Sper** 1983 Sep 30;59(9):1298–301 (Eng. Abstr.) **(Ita)**
[Sexuality in elderly men] Angelini G, et al. **Minerva Med** 1984 Apr 14;75(16):909–15 (Eng. Abstr.) **(Ita)**
[25th meeting of the Japan Geriatric Society. October 27–29, 1983, Sendai. Abstracts] **Nippon Ronen Igakkai Zasshi** 1983 Sep;20 Suppl:33–123 **(Jpn)**
[Dynamics of vitamin B12 in the aged] Inada M. **Nippon Ronen Igakkai Zasshi** 1983 Mar;20(2):97–100 **(Jpn)**
[Intake and metabolism of vitamin B1 in the aged] Itokawa Y. **Nippon Ronen Igakkai Zasshi** 1983 Mar;20(2):90–6 **(Jpn)**
[Abnormalities of vitamin D metabolism in the aged] Okano K, et al. **Nippon Ronen Igakkai Zasshi** 1983 Mar; 20(2):105–11 **(Jpn)**
[Effect of vitamin C on the aged] Suzue R. **Nippon Ronen Igakkai Zasshi** 1983 Mar;20(2):101–4 **(Jpn)**
[The role of vitamins C and E in the regulation of lipid components of the blood in elderly persons] Ziemlański S, et al. **Pol Tyg Lek** 1984 Feb 27;39(9):281–8 (Eng. Abstr.) **(Pol)**
[The electrocardiogram of the elderly patient with arterial hypertension] de Carvalho Filho ET, et al. **Arq Bras Cardiol** 1983 Nov;41(5):357–61 (Eng. Abstr.) **(Por)**
[Changes in the functional state of the small intestine in the aged] Darbakova TA. **Lab Delo** 1983;(11):51–3 **(Rus)**
[Scientific bases of the prospects for the development of an All-Union program, The Prolongation of Life] Duplenko IuK. **Vestn Akad Med Nauk SSSR** 1984;(5):91–5 **(Rus)**
[Biliary surgery in persons older than 70 years of age] Pažur M. **Liječ Vjesn** 1984 Apr;106(4):164–5 (Eng. Abstr.) **(Scr)**
[The brain in old age. Electroencephalographic and psychological aspects] Cerňáček J. **Bratisl Lek Listy** 1983 Sep;80(3):350–5 **(Slo)**
[Diet patterns in a group of elderly people in Cabo Rojo, Puerto Rico] Fogleman RD. **Bol Asoc Med PR** 1984 Mar; 76(3):96–9 **(Spa)**

PSYCHOLOGY

Personality changes in the aged. A longitudinal study of psychogenic needs with the CMPS. Nilsson LV, et al. **Acta Psychiatr Scand** 1984 Mar;69(3):182–9
Personality changes in the aged. A transectional and longitudinal study with the Eysenck Personality Inventory. Nilsson LV. **Acta Psychiatr Scand** 1983 Sep;68(3):202–11
The work of a clinical psychologist in the care of the elderly. Larner SL, et al. **Age Ageing** 1984 Jan;13(1):29–33
Transitions of later life. Spalding J. **Am Fam Physician** 1984 Jun;29(6):211–6
Social and demographic correlates of loneliness in late life. Revenson TA, et al. **Am J Community Psychol** 1984 Feb; 12(1):71–85
Suicide: two views.'A compassionate solution.' Abercrombie RK. **Am J Nurs** 1984 May;84(5):597–8
Relaxation and memory training in 39 elderly patients. Yesavage JA. **Am J Psychiatry** 1984 Jun;141(6):778–81
Group psychotherapy with the elderly: dealing with loss and death. Cooper DE. **Am J Psychother** 1984 Apr;38(2):203–14
Crisis of mate loss in the elderly. Richter JM. **ANS** 1984 Jul;6(4):45–54
Behavioral treatment of the elderly. Implications for theory and therapy. Williamson PN, et al. **Behav Modif** 1983 Oct; 7(4):583–610
Why do we assess the aged? Volans PJ, et al. **Br J Clin Psychol** 1983 Sep;22 (Pt 3):213–4
Activity/disengagement revisited: personality types in the aged. Gaber LB. **Br J Psychiatry** 1983 Nov;143:490–7
Structural dimensions in aged self-concept: a Tennessee Self Concept study. Gaber LB. **Br J Psychol** 1984 May;75 (Pt 2):207–12
Surgery in the aged. Lomax AJ, et al. **Can J Surg** 1983 Nov; 26(6):550–1
Marital therapy for the elderly. Goldstein S, et al. **Can Med Assoc J** 1984 Jun 15;130(12):1551–3
Issues in determining financial competence in the elderly. Lieff S, et al. **Can Med Assoc J** 1984 May 15;130(10):1293–6
Adopt a family—dial a granny. Barbour PJ. **Child Abuse Negl** 1983;7(4):477–8
Elderly and pets are meant for each other. Rapelje DH. **Dimens Health Serv** 1983 Nov;60(11):11–3
Cognitive and psychosocial differences between I and E locus of control aged persons. Brown BR, et al. **Exp Aging Res** 1983 Summer;9(2):107–10
The varieties of wellbeing. Lawton MP. **Exp Aging Res** 1983 Summer;9(2):65–72 (53 ref.)
Extraversion is not a filter, neuroticism is not an outcome: a reply to Lawton. McCrae RR. **Exp Aging Res** 1983 Summer;9(2):73–6
Continuing education in the later years: learning in the third age. Lowy L. **Gerontol Geriatr Educ** 1983 Winter; 4(2):89–106
Higher education and peer socialization: a promising partnership. Sherman SR, et al. **Gerontol Geriatr Educ** 1984 Spring;4(3):15–21
Knowledge and attitudes toward sexuality and sex education of a select group of older people. Smith MM, et al. **Gerontol Geriatr Educ** 1983 Summer;3(4):259–69
The decision of elderly persons to leave their homes. Béland F. **Gerontologist** 1984 Apr;24(2):179–85
Common behavior patterns of residents in public areas of nursing homes. Brent RS, et al. **Gerontologist** 1984 Apr; 24(2):186–92
Is volunteering a substitute for role loss in old age? An empirical test of activity theory. Chambré SM. **Gerontologist** 1984 Jun;24(3):292–8
Graduate nursing students' attitudes toward sexually active older persons. Damrosch SP. **Gerontologist** 1984 Jun; 24(3):299–302
Patterns of informal social support of the elderly: an international comparison. Fleishman R, et al. **Gerontologist** 1984 Jun;24(3):303–12
Natural helping among older adults. Goodman CC. **Gerontologist** 1984 Apr;24(2):138–43
Life events and decision making by older adults. Guttmann D. **Gerontologist** 1978 Oct;18(5 Pt 1):462–7
Life satisfaction, happiness, and morale: two problems with the use of subjective well-being indicators. Horley J. **Gerontologist** 1984 Apr;24(2):124–7
Dyadic family relations and social support. Johnson CL. **Gerontologist** 1983 Aug;23(4):377–83
Sexual expression of the elderly in nursing homes. Kaas MJ. **Gerontologist** 1978 Aug;18(4):372–8
Confidants and well-being: a note on male friendship in old age. Keith PM, et al. **Gerontologist** 1984 Jun;24(3):318–20
Poetry efforts by aged deaf [letter] Lansman DS.

Gerontologist 1984 Apr;24(2):223
Pet ownership: a research note. Lawton MP, et al. **Gerontologist** 1984 Apr;24(2):208–10
Environment and other determinants of well-being in older people. Lawton MP. **Gerontologist** 1983 Aug;23(4):349–57 (49 ref.)
Change in subjective age among the elderly: a longitudinal analysis. Markides KS, et al. **Gerontologist** 1983 Aug; 23(4):422–7
Profiling the shopping behavior of elderly consumers. Mason JB, et al. **Gerontologist** 1978 Oct;18(5 Pt 1):454–61
The use of a board game to simulate the experiences of old age. Menks F. **Gerontologist** 1983 Dec;23(6):565–8
An exploration of family interaction with the elderly by race, socioeconomic status, and residence. Mitchell J, et al. **Gerontologist** 1984 Feb;24(1):48–54
Age segregation and the interpersonal involvement and morale of the aged. Poulin JE. **Gerontologist** 1984 Jun; 24(3):266–9
A health belief interview for clinical geriatrics. Rakowski W, et al. **Gerontologist** 1984 Apr;24(2):120–3
Behavioral competencies of older college students: a self-efficacy approach. Rebok GW, et al. **Gerontologist** 1983 Aug;23(4):428–32
Planning a cancer control program for older citizens. Rimer B, et al. **Gerontologist** 1983 Aug;23(4):384–9
Age-related changing levels of voting turnout across time. Rollenhagen RE. **Gerontologist** 1984 Apr;24(2):205–7
A taxonomy of well-being for small-town elderly: a case for rural diversity. Scheidt RJ. **Gerontologist** 1984 Feb; 24(1):84–90
Social support and well-being among residents of planned housing. Stephens MA, et al. **Gerontologist** 1984 Apr; 24(2):144–8
Stress and caring for elderly relatives: interpretations and coping strategies in an American Indian and white sample. Strong C. **Gerontologist** 1984 Jun;24(3):251–6
Evaluation of the effectiveness of professionals and nonprofessionals as instructors of 'coping with depression' classes for elders. Thompson LW, et al. **Gerontologist** 1983 Aug;23(4):390–6
Computer games for the frail elderly. Weisman S. **Gerontologist** 1983 Aug;23(4):361–3
A crisis intervention service: comparison of younger and older adult clients. Winogrond IR, et al. **Gerontologist** 1983 Aug;23(4):370–6
Future crises and the very old: implications for discharge planning. Kulys R. **Health Soc Work** 1983 Summer; 8(3):182–95
The past as resource. A conversational analysis of elderly talk. Boden D, et al. **Hum Dev** 1983;26(6):308–19
Psychological and social factors in the dental care of the elderly. Kiyak HA. **Int Dent J** 1983 Sep;33(3):281–91
The aged in Hispanic groups: a review. Aguirre BE, et al. **Int J Aging Hum Dev** 1983;17(3):177–201
Age identification in the elderly: some theoretical considerations. Baum SK. **Int J Aging Hum Dev** 1983–84; 18(1):25–30 (26 ref.)
An evaluation of two visiting programs for elderly community residents. Bogat GA, et al. **Int J Aging Hum Dev** 1983;17(4):267–80
Is reminiscence adaptive? Relations among social activity level, reminiscence, and morale. Brennan PL, et al. **Int J Aging Hum Dev** 1983–84;18(2):99–110
Racial differences in social integration and life satisfaction among aged public housing residents. Deimling G, et al. **Int J Aging Hum Dev** 1983;17(3):203–12
Belief discrepancy reasoning in the elderly. Enright RD, et al. **Int J Aging Hum Dev** 1983;17(3):213–21
The effects of severity of hearing impairment and locus of control on the denial of hearing impairment in the aged. McDavis KC. **Int J Aging Hum Dev** 1983–84;18(1):47–60
The vulnerability of elderly consumers. McGhee JL. **Int J Aging Hum Dev** 1983;17(3):223–46
Attitudes and behavior of elderly pedestrians. Mathey FJ. **Int J Aging Hum Dev** 1983;17(1):25–8
Learning needs and efforts of the black elderly. Ralston PA. **Int J Aging Hum Dev** 1983;17(1):75–88
Grandma as revolutionary: elderly women and some modern patterns of social change. Roebuck J. **Int J Aging Hum Dev** 1983;17(4):249–66
Between worlds: a relocation dilemma for the Appalachian elderly. Rowles GD. **Int J Aging Hum Dev** 1983; 17(4):301–14
The variety of social skills: remarks by the discussant. Schonfield D. **Int J Aging Hum Dev** 1983;17(1):39–42
Specificity and substitution in the social networks of the elderly. Simons RL. **Int J Aging Hum Dev** 1983–84; 18(2):121–39
Implications of cognitive change for gerontological pedagogical practice. Spilich GJ. **Int J Aging Hum Dev** 1983–84;18(1):31–7
Social and temporal bases of self-evaluation in the elderly: theory and evidence. Suls J, et al. **Int J Aging Hum Dev** 1983–84;18(2):111–20
Construction and validation of an ego integrity status interview. Walaskay M, et al. **Int J Aging Hum Dev** 1983–84;18(1):61–72
Mental illness and the aged stranger. Dowd JJ. **Int J Health Serv** 1984;14(1):69–87
Pastoral enlightenment for seniors: do they need it? Do they want it? Cluff CB. **J Am Geriatr Soc** 1984 Aug;32(8):609–13
Strategies for obtaining compliance with medications regimens. Coe RM, et al. **J Am Geriatr Soc** 1984 Aug; 32(8):589–94
To die at home: rejection of medical intervention by geriatric patients who had serious organic disease. Hershkowitz M. **J Am Geriatr Soc** 1984 Jun;32(6):457–9
Marathoners over sixty years of age: results of a survey. Hogan DB, et al. **J Am Geriatr Soc** 1984 Feb;32(2):121–3
Medical care for elderly patients with diminished competence: an ethical analysis. McCullough LB. **J Am Geriatr Soc** 1984 Feb;32(2):150–3
Remarks made by old people during venipuncture. Mulley GP, et al. **J Am Geriatr Soc** 1984 Feb;32(2):160–1
Utilization of psychiatric consultation for elderly patients. Rabins P, et al. **J Am Geriatr Soc** 1983 Oct;31(10):581–5
Future concerns and recent life events of elderly community residents. Stein S, et al. **J Am Geriatr Soc** 1984 Jun; 32(6):431–4
Ethical concerns and guidelines in research in geriatric pharmacology and therapeutics: individualization, not codification. Weintraub M. **J Am Geriatr Soc** 1984 Jan; 32(1):44–8
Mental status tests and the capacity for self-care. Winograd CH. **J Am Geriatr Soc** 1984 Jan;32(1):49–55
Companion animals and the elderly: a state-of-the-art summary. Wilson CC, et al. **J Am Vet Med Assoc** 1983 Dec 15;183(12):1425–9
Norms for the elderly on the Brief Symptom Inventory. Hale WD, et al. **J Consult Clin Psychol** 1984 Apr;52(2):321–2
Prevalence and risk of medication mismanagement by the elderly. Landress HJ, et al. **J Fla Med Assoc** 1984 Apr; 71(4):261–6
Psychotherapy of the elderly. The life validation approach in psychotherapy with elderly patients. Asnes DP. **J Geriatr Psychiatry** 1983;16(1):87–97
Normal elderly men: a longitudinal study. Nathan RJ, et al. **J Geriatr Psychiatry** 1983;16(2):163–96
Ethnic and cultural variations in the care of the aged. New directions in the treatment of depression in the elderly: a life enhancement counseling approach. Szapocznik J, et al. **J Geriatr Psychiatry** 1982;15(2):257–81
The final picture in art. Zlatin HP, et al. **J Geriatr Psychiatry** 1983;16(1):113–47
Social desirability and the measurement of psychological well-being in elderly persons. Carstensen LL, et al. **J Gerontol** 1983 Nov;38(6):713–5
Sex differences in life satisfaction: Australian data. Collette J. **J Gerontol** 1984 Mar;39(2):243–5
Contrasts in marital satisfaction throughout old age: an exchange theory analysis. Gilford R. **J Gerontol** 1984 May; 39(3):325–33
Age differences in the rate of processing in short-term memory. Lorsbach TC, et al. **J Gerontol** 1984 May; 39(3):315–21
Emotional experience in younger and older adults. Malatesta CZ, et al. **J Gerontol** 1984 May;39(3):301–8
Old age and environmental docility: the roles of health, support and personality. Morgan TJ, et al. **J Gerontol** 1984 Mar;39(2):240–2
Senior center utilization by black elderly adults: social, attitudinal and knowledge correlates. Ralston PA. **J Gerontol** 1984 Mar;39(2):224–9
Effects of bereavement on self-perceptions of physical health in elderly widows and widowers. Thompson LW, et al. **J Gerontol** 1984 May;39(3):309–14
Subjective network assessments and subjective well-being. Ward RA, et al. **J Gerontol** 1984 Jan;39(1):93–101
Pain and the wiles of old age. Morse RH. **J La State Med Soc** 1983 Dec;135(12):18–20
Psychosocial aspects of aging: the black elderly. Carter JH. **J Natl Med Assoc** 1984 Mar;76(3):271–5
Current perspectives on Rorschach performance among older adults. Reichlin RE. **J Pers Assess** 1984 Feb;48(1):71–81 (51 ref.)
Vulnerability of self and interpersonal strategies: a study of the aged. Kafer NF, et al. **J Psychol** 1984 Mar;116(2d Half):203–6
Psychotherapy with the elderly. Vander Zyl S. **J Psychosoc Nurs Ment Health Serv** 1983 Oct;21(10):25–9
Peer perceptions of geriatrics wearing hearing aids. Iler KL, et al. **J Speech Hear Disord** 1982 Nov;47(4):433–8
Approach to the elderly confused person. Part I—Evaluation and consideration of delirium. Applegate WB, et al. **J Tenn Med Assoc** 1984 Feb;77(2):90–1
The elderly patient and informed consent. Empirical findings. Stanley B, et al. **JAMA** 1984 Sep 14;252(10):1302–6
Cardiopulmonary resuscitation in the aged. A prospective survey. Wagner A. **N Engl J Med** 1984 Apr 26; 310(17):1129–30
Aerobic exercise training and improved neuropsychological function of older individuals. Dustman RE, et al. **Neurobiol Aging** 1984 Spring;5(1):35–42
Depression as an explanation for decreased subjective time in the elderly. Newman MA, et al. **Nurs Res** 1984 May–Jun; 33(3):137–9
Depression in the elderly. Victoroff VM. **Ohio State Med J** 1984 Mar;80(3):180–3, 187 (21 ref.)
The angry elderly patient. An approach to understanding. Morrant JC, et al. **Postgrad Med** 1983 Dec;74(6):93–5, 98–100, 102
Correlates of life satisfaction of aged persons. Dillard JM, et al. **Psychol Rep** 1984 Jun;54(3):977–8
Relationship between life satisfaction and acceptance of death by elderly persons. Flint GA, et al. **Psychol Rep** 1983 Aug; 53(1):290
Geropsychology: meaning in life for adults over seventy. McCarthy SV. **Psychol Rep** 1983 Oct;53(2):497–8
Relationship between experienced control and domiciles of elderly persons. Tiffany PG, et al. **Psychol Rep** 1984 Jun; 54(3):731–6
Assessment of cognitive function in the elderly. Albert M. **Psychosomatics** 1984 Apr;25(4):310–3, 316–7
Psychotherapy of the elderly. Cohen GD. **Psychosomatics** 1984 Jun;25(6):455–9, 462–3
Psychological aspects of aging and illness. Neugarten BL. **Psychosomatics** 1984 Feb;25(2):123–5
Dementia and delirium: detection in the general hospital. The detection and management of dementia and delirium must receive a high priority. McCartney JR, et al. **RI Med J** 1983 Sep;66(9):361–3
The coloured elderly in Cape Town—a psychosocial, psychiatric and medical community survey. Part II. Prevalence of psychiatric disorders. Ben-Arie O, et al. **S Afr Med J** 1983 Dec 24;64(27):1056–61
Rx: rehabilitation. Bonner CH. **Va Med** 1984 Mar; 111(3):151–3
Home care: a boon to the aged ill. Spencer FJ. **Va Med** 1984 Mar;111(3):154–6
Sex, intimacy, and the older woman. Renshaw DC. **Women Health** 1983 Winter;8(4):43–54
[Psychosomatic relations between the date of death and birth] Stumpfe KD. **Aktuel Gerontol** 1983 Nov;13(6):244–7 (Eng. Abstr.) **(Ger)**
[Education in the 2d half of life—counteraction to social and cultural deprivation in the elderly?] Arnold B, et al. **Z Gerontol** 1983 Sep–Oct;16(5):228–33 (Eng. Abstr.) **(Ger)**
[Kinship help for the elderly. An exploratory study of patterns of help by female helpers] Braun H. **Z Gerontol** 1983 Sep–Oct;16(5):210–5 (Eng. Abstr.) **(Ger)**
[Prejudice in performance evaluation of so-called elderly co-workers by supervisors] Bungard W, et al. **Z Gerontol** 1983 Sep–Oct;16(5):222–7 (Eng. Abstr.) **(Ger)**
[The 5-generation family: interaction, cooperation and conflict] Kruse A. **Z Gerontol** 1983 Sep–Oct;16(5):205–9 (Eng. Abstr.) **(Ger)**
[5-generation families: some data on great-great-grandparents in West Germany] Lehr U, et al. **Z Gerontol** 1983 Sep–Oct;16(5):200–4 (Eng. Abstr.) **(Ger)**
[Relations between generations—conflict and cooperation] Lehr U. **Z Gerontol** 1983 Sep–Oct;16(5):197–9 **(Ger)**
[Developmental psychology contributions to the life-long learning concept] Roether D. **Z Gerontol** 1983 Sep–Oct; 16(5):234–40 (Eng. Abstr.) **(Ger)**
[Social integration of older citizens—a factor analysis approach] Rieske B, et al. **ZFA** 1984 Jul–Aug;39(4):233–7 (Eng. Abstr.) **(Ger)**
[Psychotherapy and aging] Angelini G, et al. **Minerva Psichiatr** 1983 Jul–Sep;24(3):93–6 (Eng. Abstr.) **(Ita)**

AGED ABUSE see **ELDER ABUSE**

AGEPC see **PLATELET ACTIVATING FACTOR**

AGEUSIA see under **TASTE DISORDERS**

AGGLUTINATION

Lectin-induced agglutination of trophozoites of different species and strains of Entamoeba. Ghadirian E, et al. **Z Parasitenkd** 1984;70(2):147–52
A case of polyagglutination. De Leo D, et al. **Z Rechtsmed** 1983;90(2):147–52
[The mechanism of the interaction of Serratia marcescens pili and human urinary mucin] Kohno K. **Nippon Saikingaku Zasshi** 1984 Mar;39(2):85–102 (Eng. Abstr.) **(Jpn)**
[Estimation of cell agglutination by laser nephelometry] Viadro MM, et al. **Biull Eksp Biol Med** 1984 Mar; 97(3):360–2 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Sexual agglutinin of mating-type minus gametes in Chlamydomonas reinhardii. I. Loss and recovery of agglutinability of gametes treated with EDTA. Saito T, et al. **Exp Cell Res** 1984 Jun;152(2):322–30
Whole cell agglutination and dextran binding in oral Actinomyces species. Kimura S, et al. **J Periodont Res** 1984 Jul;19(4):366–71
Characterization of a mutant of serotype g Streptococcus mutans strain 6715 lacking dextran-induced agglutination. Hamada S, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 May;254(3):343–51

AGGLUTINATION TESTS

Interaction of human serum transferrin with Neisseria gonorrhoeae, demonstrated by agglutination and precipitation. Rød TO, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1984 Apr;

92(2):139–43
Evaluation of the Directigen and Phadebact agglutination tests. McGraw TP, et al. **Am J Clin Pathol** 1984 Jul; 82(1):97–9
Immunohematology problem. Beck SJ, et al. **Am J Med Technol** 1983 Jul;49(7):519–21
Diagnostic criteria for scrub typhus: probability values for immunofluorescent antibody and Proteus OXK agglutinin titers. Brown GW, et al. **Am J Trop Med Hyg** 1983 Sep; 32(5):1101–7
Coagglutination of Staphylococcus aureus with enterobacterial common antigen. Carrillo J, et al. **Arch Invest Med (Mex)** 1983;14(3):221–30 **(Eng, Spa)**
The suitability of coagglutination for the rapid bacteriological diagnosis of Vibrio cholerae 0:1. Ciufecu C, et al. **Arch Roum Pathol Exp Microbiol** 1983 Oct–Dec; 42(4):271–82
Evaluation of the Phadebact CSF test for detection of the four most common causes of bacterial meningitis. Drow DL, et al. **J Clin Microbiol** 1983 Dec;18(6):1358–61
Rapid screening of fecal samples for Vibrio cholerae by a coagglutination technique. Jesudason MV, et al. **J Clin Microbiol** 1984 May;19(5):712–3
Rapid diagnosis of septic arthritis by coagglutination. Mayer ME, et al. **J Clin Microbiol** 1983 Dec;18(6):1424–6
Agglutination test for typhoid carriers. Vathanophas K, et al. **J Med Assoc Thai** 1983 Jun;66 Suppl 1:30–4
[The Rubino reaction. Criterion for inactivation in lepromatous patients] Arruda MS, et al. **Med Cutan Iber Lat Am** 1983;11(6):423–30 (Eng. Abstr.) **(Por)**
[Staphylococcal protein A in microbiological laboratory practice. II.] Neguţ M, et al. **Rev Ig [Bacteriol]** 1984 Jan–Mar;29(1):1–26 (132 ref.) **(Rum)**
[Comparison of 2 tests for determining lytic products of fibrin] Chalini–Carreon F, et al. **Bol Med Hosp Infant Mex** 1983 Nov;40(11):613–7 (Eng. Abstr.) **(Spa)**
[H. influenzae and Str. pneumoniae meningoencephalitis: rapid diagnosis using co–agglutination in cerebrospinal fluid] Guiscafré H, et al. **Bol Med Hosp Infant Mex** 1984 May;41(5):262–7 (Eng. Abstr.) **(Spa)**

INSTRUMENTATION

Commercial kits for bacteriological diagnosis of meningitis [editorial] **Lancet** 1984 Sep 1;2(8401):500–1

METHODS

A new rapid slide agglutination test for amniotic fluid phosphatidylglycerol: laboratory and clinical correlation. Garite TJ, et al. **Am J Obstet Gynecol** 1983 Nov 15; 147(6):681–6
Passive bacterial agglutination—a new sensitive technique for the detection of hepatitis B surface antigen. Rajagopalan MS, et al. **Indian J Med Res** 1983 Oct;78:509–17
Coagglutination technique for identification of Salmonella. Sarvamangala Devi JN, et al. **Indian J Med Res** 1983 Oct; 78:459–64
Identification of group C streptococcal antigen extracts with lectin–bound polystyrene particles. Slifkin M, et al. **J Clin Microbiol** 1984 Jan;19(1):83–4
Evaluation of the Phadebact coagglutination test for the rapid serotyping of Haemophilus influenza. Qadri SM, et al. **Med Microbiol Immunol (Berl)** 1983;172(3):161–4
[Demonstration of envelope–containing viruses by the agglutination of antibody–coated Staphylococcus aureus] Dumanova L, et al. **Vet Med Nauki** 1984;21(5):12–7 (Eng. Abstr.) **(Bul)**
[Studies on the indirect carbon agglutination test (ICAT) for the diagnosis of paragonimiasis] Bao XH, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1983;1(2):106–9 (Eng. Abstr.) **(Chi)**
[A simple micromethod of Widal's reaction] Hao QG. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1983 Dec; 4(6):362–3 (Eng. Abstr.) **(Chi)**
[Use of the coagglutination reaction for the detection and rapid identification of the causative agents of intestinal yersiniosis and pseudotuberculosis] Koroliuk AM. **Lab Delo** 1984;(4):250–2 (Eng. Abstr.) **(Rus)**

VETERINARY

A 2–mercaptoethanol tube agglutination test for diagnosis of Haemophilus pleuropneumoniae infection in pigs. Mittal KR, et al. **Am J Vet Res** 1984 Apr;45(4):715–9
Enhancement of Leptospira hardjo agglutination titers in sheep and goat serum by heat inactivation. Malkin K. **Can J Comp Med** 1984 Apr;48(2):208–10
Identification and serotyping of Haemophilus pleuropneumoniae by coagglutination test. Mittal KR, et al. **J Clin Microbiol** 1983 Dec;18(6):1351–4

AGGLUTININS

Characterization of various anti–Pr cold agglutinins. Roelcke D, et al. **Transfusion** 1984 May–Jun;24(3):210–3
[Cold agglutinins in a cardiosurgical patient: a successfully operated case] Cerasuolo F, et al. **G Ital Cardiol** 1983 Aug; 13(8):122–4 (Eng. Abstr.) **(Ita)**

ANALYSIS

The effect of hypothermic cardiopulmonary bypass on patients with low–titer, nonspecific cold agglutinins. Moore RA, et al. **Ann Thorac Surg** 1984 Mar;37(3):233–8
Serum cold agglutinin and IgM levels in breast carcinoma. Dube VE, et al. **Breast Cancer Res Treat** 1984;4(2):105–8
Characterization of an epitope (determinant) structure in a developmentally regulated glycolipid antigen defined by a cold agglutinin Fl, recognition of alpha–sialosyl and alpha–L–fucosyl groups in a branched structure. Kannagi R, et al. **Carbohydr Res** 1983 Aug 16;120:143–57
Interaction of urinary glycoproteins of cancer–bearing and normal rats with frog egg agglutinins. Nitta K, et al. **Chem Pharm Bull (Tokyo)** 1983 Oct;31(10):3736–9
Human lymphocyte agglutinins in Tursiops truncatus (bottlenose dolphin). Hohn D, et al. **Immunol Commun** 1983 Oct;12(5):481–90
Autoantibodies, sheep cell agglutinins and anti–albumin antibodies in alcoholic liver disease. Macgeorge J, et al. **J Clin Lab Immunol** 1984 Jan;13(1):21–4
Low–titer agglutinins to Sporothrix schenckii in nonsporotrichotic human and animal sera. Ishizaki H, et al. **J Dermatol (Tokyo)** 1983 Oct;10(5):501–4
Agglutinins to anaerobic bacteria in Crohn's disease and in Indian patients with diarrhoea. Howells B, et al. **J Med Microbiol** 1984 Apr;17(2):207–9
The magnitude and duration of titres of leptospiral agglutinins in human sera. Blackmore DK, et al. **NZ Med J** 1984 Feb 8;97(749):83–6
Natural agglutinins to African trypanosomes. Ferrante A, et al. **Parasite Immunol** 1983 Nov;5(6):539–46
[Monoclonal cold agglutinins as differentiation markers for lung tumors] Ebert W, et al. **Prax Klin Pneumol** 1983 Oct; 37 Suppl 1:748–50 (Eng. Abstr.) **(Ger)**
[Amodiaquine–induced agranulocytosis in malaria prevention: demonstration of an amodiaquine–induced cytotoxic antibody against granulocytes] Schulthess HK, et al. **Schweiz Med Wochenschr** 1983 Dec 17;113(50):1912–3 (Eng. Abstr.) **(Ger)**
[An anti–P1 agglutinin with extraordinary high titers in a cadaveric serum and its significance in forensic serology] Uchimura Y, et al. **Nippon Hoigaku Zasshi** 1984 Feb; 38(1):42–8 (Eng. Abstr.) **(Jpn)**
[Immunological analysis of cold agglutinin in hemolytic anemia associated with mycoplasma pneumonia] Toyama K, et al. **Rinsho Ketsueki** 1983 Sep;24(9):1166–72 (Eng. Abstr.) **(Jpn)**
[Micromethod for determining heterophilic agglutinins] Ginda SS. **Lab Delo** 1984;(3):157–9 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

[Detection of Bordetella bronchiseptica strains containing the main agglutinogens of all species of the genus Bordeteila] Khramova NI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Jun;(6):35–41 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Antisperm responses in male dogs with chronic Brucella canis infections. George L, et al. **Am J Vet Res** 1984 Feb; 45(2):274–81
Schistosoma mansoni: agglutination of sporocysts, and formation of gels on miracidia transforming in plasma of Biomphalaria glabrata. Loker ES, et al. **Exp Parasitol** 1984 Aug;58(1):56–62
Reactivity of cold agglutinins with subsets of human lymphocytes of various origins. Pruzanski W, et al. **Haematologia (Budap)** 1982 Dec;15(4):409–18
Variability in expression of a cell surface determinant on Candida albicans as evidenced by an agglutinating monoclonal antibody. Brawner DL, et al. **Infect Immun** 1984 Mar;43(3):966–72
A sensitive screening method of detecting anti–granulocyte antibodies employing radiolabeled staphylococcal protein A. Lazar GS, et al. **J Immunol Methods** 1984 Mar 30; 68(1–2):1–9
Serological studies on Vibrio fluvialis. Shimada T, et al. **Jpn J Med Sci Biol** 1983 Dec;36(6):315–23
Agglutinogens, White's 'Q' substance and the common proteins of Enterobacteriaceae. Barber C. **Microbios** 1984; 41(160):79–86
The molecular mechanism of cryoimmunoglobulin precipitation—II. Thermodynamic basis for self–association as determined by fluorescence polarization. Weber RJ, et al. **Mol Immunol** 1984 Jan;21(1):61–7
Immune haemolytic anaemia associated with ampicillin dependent warm antibodies and high titre cold agglutinins in a patient with Mycoplasma pneumonia. Mickley H, et al. **Scand J Haematol** 1984 Mar;32(3):323–6
Effect of ABO group, secretor status and sex on cold hemagglutinins in normal adults. Dube VE, et al. **Vox Sang** 1984;46(2):75–9
An anti–I cold auto–agglutinin enhanced in the presence of sodium azide. Reviron M, et al. **Vox Sang** 1984;46(4):211–6
Reaction of anti–Gd, anti–Fl and anti–Sa cold agglutinins with p erythrocytes. Roelcke D. **Vox Sang** 1984;46(3):161–4
Cold agglutinin Vo. An IgM lambda monoclonal human antibody recognizing a sialic acid determined antigen fully expressed on newborn erythrocytes. Roelcke D, et al. **Vox Sang** 1984;47(3):236–41
[Bacterial antibodies and isoagglutinins in intravenous immunoglobulin preparations] Haase M, et al. **Immun Infekt** 1983 Jun;11(4):135–9 (Eng. Abstr.) **(Ger)**
[Dual nature of the effect of antibodies on electrophoretic mobility of erythrocytes] Levin VI, et al. **Gematol Transfuziol** 1983 Sep;28(9):29–32 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Identification and visualization of the sexual agglutinin from the mating–type plus flagellar membrane of Chlamydomonas. Adair WS, et al. **Cell** 1983 May; 33(1):183–93
Prevalence, testicular function and seminal parameters in men with sperm antibodies. Handelsman DJ, et al. **Clin Reprod Fertil** 1983 Mar;2(1):39–45
[A case of cold agglutinin disease] Bober–Dumańska J. **Wiad Lek** 1983 Dec 1;36(23):1969–72 (Eng. Abstr.) **(Pol)**
[Determination of agglutinins alpha and beta in pericardial and pleural fluids] Dzhalalov DD, et al. **Sud Med Ekspert** 1984 Apr–Jun;27(2):43–5 (Eng. Abstr.) **(Rus)**

METABOLISM

Demonstration of lymphocyte surface lectins that recognize sulphated polysaccharides. Parish CR, et al. **J Cell Sci** 1984 Apr;67:145–58

AGGLUTININS, PLANT see **LECTINS**

AGGREGATION, RECEPTOR see **RECEPTOR AGGREGATION**

AGGRESSION

The agitated aggressive patient. Brigman C, et al. **Am J Nurs** 1983 Oct;83(10):1409–12
Tail raising by baboon mothers toward immigrant males. Busse CD. **Am J Phys Anthropol** 1984 Jul;64(3):255–62
Varieties of aggressive behavior in temporal lobe epilepsy. Devinsky O, et al. **Am J Psychiatry** 1984 May;141(5):651–6
Narcissism and aggression. Noshpitz JD. **Am J Psychother** 1984 Jan;38(1):17–34
Sex chromosome anomalies, hormones, and aggressivity. Schiavi RC, et al. **Arch Gen Psychiatry** 1984 Jan;41(1):93–9
Father–son resemblances in aggressive and antisocial behavior [letter] Stewart M, et al. **Br J Psychiatry** 1983 Sep;143:310–1
Effects of vision–restricting 'polypeepers' on the behaviour of laying hens during adaptation, feeding, on general activity, agonistic behaviour and pecking damage. Arbi A, et al. **Br Poult Sci** 1983 Jul;24(3):371–81
Light experience during development affects asymmetry of forebrain function in chickens. Zappia JV, et al. **Brain Res** 1983 Dec;313(1):93–106
Primate aggression and evolution: an overview of sociobiological and anthropological perspectives. McKenna JJ. **Bull Am Acad Psychiatry Law** 1983; 11(2):105–30 (58 ref.)
Research in the Netherlands on a theory of child abuse: a preliminary report. Lesnik–Oberstein M, et al. **Child Abuse Negl** 1982;6(2):199–206
Observations on fighting dogs. Clifford DH, et al. **J Am Vet Med Assoc** 1983 Sep 15;183(6):654–7
Dominance in intermale encounters and subsequent sexual success in mice. de Catanzaro D, et al. **J Comp Psychol** 1983 Sep;97(3):269–78
Prepartum changes in maternal responsiveness and nest defense in Rattus norvegicus. Mayer AD, et al. **J Comp Psychol** 1984 Jun;98(2):177–88
Discrimination validation of an MMPI measure of aggression. Mungas D. **J Consult Clin Psychol** 1984 Apr;52(2):313–4
Alcohol consumption and escalatory aggression in intoxicated and sober dyads. Leonard KE. **J Stud Alcohol** 1984 Jan;45(1):75–80
The use of threats in children's discourse. Benoit PJ. **Lang Speech** 1983 Oct–Dec;26 (Pt 4):305–29
Homicide of an aggressive adolescent boy with right temporal lesion: a case report. Martinius J. **Neurosci Biobehav Rev** 1983 Fall;7(3):419–22
Different test situations for measuring offensive aggression in male rats do not result in the same wound pattern. Mos J, et al. **Physiol Behav** 1984 Mar;32(3):453–6
The effects of management program and social rank on behavior and productivity of white leghorn layers in cages. Cunningham DL, et al. **Poult Sci** 1984 Jan;63(1):25–30
Behavior and growth parameters of large white turkeys as affected by floor space and beak trimming. 1. Males. Denbow DM, et al. **Poult Sci** 1984 Jan;63(1):31–7
Grouping in Japanese quail. 1. Agonistic behavior during feeding. Edens FW, et al. **Poult Sci** 1983 Aug;62(8):1647–51
Seasonal aggression independent of seasonal testosterone in wood rats. Caldwell GS, et al. **Proc Natl Acad Sci USA** 1984 Aug;81(16):5255–7
Aggressive dementia in normal pressure hydrocephalus [letter] Sandyk R. **S Afr Med J** 1984 Jan 28;65(4):114
Aggression and violence between siblings. Felson RB. **Soc Psychol Q** 1983 Dec;46(4):271–85
[Psychiatric approach to a criminologic event: glue and solvent addiction] Abgrall JM, et al. **Bull Acad Natl Med (Paris)** 1983 Nov;167(8):849–54 (Eng. Abstr.) **(Fre)**
[Ethological approach in the study of aggressive behavior

in monkeys] Dergina MA, et al. **Biol Nauki** 1983;(7):54–7 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Milenperone. A selective drug for the control of behavioral disorders in epileptic and alcoholic patients. Gelders YG, et al. **Acta Psychiatr Belg** 1984 Mar–Apr;84(2):151–9

Comparison of the effects of GABA–mimetic agents on two types of aggressive behavior. Mandel P, et al. **Adv Biochem Psychopharmacol** 1983;37:149–61

Methylphenidate in the treatment of aggression in two patients with antisocial personality disorder. Stringer AY, et al. **Am J Psychiatry** 1983 Oct;140(10):1365–6

Behavioral efficacy of haloperidol and lithium carbonate. A comparison in hospitalized aggressive children with conduct disorder. Campbell M, et al. **Arch Gen Psychiatry** 1984 Jul;41(7):650–6

Cognitive effects of lithium carbonate and haloperidol in treatment-resistant aggressive children. Platt JE, et al. **Arch Gen Psychiatry** 1984 Jul;41(7):657–62

Behavioural examinations of the anti-aggressive drug fluprazine. Benton D, et al. **Behav Brain Res** 1983 Dec; 10(2–3):325–38

Carbamazepine and behavior therapy for aggressive behavior. Treatment of a mentally retarded, postencephalitic adolescent with seizure disorder. Rapport MD, et al. **Behav Modif** 1983 Apr;7(2):255–65

Effects of post-trial administration of naloxone and beta-endorphin on shock-induced fighting in rats. Tazi A, et al. **Behav Neural Biol** 1983 Nov;39(2):192–202

Electroencephalogram and treatment of hospitalized aggressive children with haloperidol or lithium. Bennett WG, et al. **Biol Psychiatry** 1983 Dec;18(12):1427–40

A comparative study of the effect of L-tryptophan and its acetylated derivative N-acetyl-L-tryptophan on rat muricidal behavior. Broderick PA, et al. **Biol Psychiatry** 1984 Jan;19(1):89–94

Low doses of alcohol affect human aggressive responses. Cherek DR, et al. **Biol Psychiatry** 1984 Feb;19(2):263–7

The effects of phencyclidine on spontaneous aggressive behavior in the rat. Russell JW, et al. **Biol Psychiatry** 1984 Feb;19(2):195–202

Effect of brain monoamine precursors on stress-induced behavioral and neurochemical changes in aged mice. Thurmond JB, et al. **Brain Res** 1984 Mar 26;296(1):93–102

Carbamazepine in the treatment of aggressive behavior in schizophrenic patients: a case report. Yassa R, et al. **Can J Psychiatry** 1983 Nov;28(7):566–8

Effects of wisanine and dihydrowisanine on aggressive behaviour in chicks. Ayitey-Smith E, et al. **Eur J Pharmacol** 1983 Nov 11;95(1–2):139–41

Chlordiazepoxide antagonizes locus coeruleus-mediated suppression of muricidal aggression. Kostowski W, et al. **Eur J Pharmacol** 1983 Jul 22;91(2–3):329–30

Effects of drug-induced changes in brain monoamines on aggression and motor behavior in mice. Kramarcy NR, et al. **Eur J Pharmacol** 1984 Mar 23;99(2–3):141–51

Aggression in hyperactive boys: response to d-amphetamine. Amery B, et al. **J Am Acad Child Psychiatry** 1984 May; 23(3):291–4

Effects of d-amphetamine on self-aggression and posturing in stumptail macaques. Peffer-Smith PG, et al. **J Exp Anal Behav** 1983 Nov;40(3):313–20

Shock-elicited aggression as a function of early ethanol exposure. Davis SF, et al. **J Gen Psychol** 1984 Jan;110(1st Half):93–8

Shock-elicited aggression as a function of acute and chronic ethanol challenges. Tramill JL, et al. **J Gen Psychol** 1983 Jul;109(1st Half):53–8

Modulation of footshock aggression in rats by clonidine: involvement of both alpha 1- and alpha 2-adrenoceptors. Ray A, et al. **J Pharm Pharmacol** 1983 Sep;35(9):595–6

Alcohol, aggression and assertiveness in men: dosage and expectancy effects. Kreutzer JS, et al. **J Stud Alcohol** 1984 May;45(3):275–8

Alcohol and aggression in men: a comparison of brewed and distilled beverages. Pihl RO, et al. **J Stud Alcohol** 1984 May;45(3):278–82

Behavior-disordered and aggressive children: new advances in pharmacotherapy. Campbell M, et al. **JDBP** 1983 Dec; 4(4):265–71

Effects of histaminergic drugs on muricide induced by thiamine deficiency. Onodera K, et al. **Jpn J Pharmacol** 1984 Jan;34(1):15–21

Effects of adrenergic blockers on the inhibition of muricide by chronic administration of desipramine in olfactory bulbectomized rats. Shibata S, et al. **Jpn J Pharmacol** 1984 May;35(1):73–5

Acute and chronic caffeine exposure effects on play fighting in the juvenile rat. Holloway WR Jr, et al. **Neurobehav Toxicol Teratol** 1984 Jan–Feb;6(1):85–91

Modulation of isolation-induced fighting by N- and C-terminal analogs of substance P: evidence for multiple recognition sites. Hall ME, et al. **Peptides (Fayetteville)** 1984 Jan–Feb;5(1):85–9

The psychopharmacology of aggression and social behavior. Symposium of the International Society for research on Aggression. July 12, 1980, Haren, Groningen, The Netherlands. **Pharmacol Biochem Behav** 1981;14 Suppl 1:1–124

Suppression of play fighting by amphetamine: effects of catecholamine antagonists, agonists and synthesis inhibitors. Beatty WW, et al. **Pharmacol Biochem Behav** 1984 May; 20(5):747–55

6-Hydroxydopamine and aggression in cats. Beleslin DB, et al. **Pharmacol Biochem Behav** 1981;14 Suppl 1:29–32

MIF-1 (Pro-Leu-Gly-NH2) decreases activity in Siamese fighting fish (Betta splendens). Brown MM, et al. **Pharmacol Biochem Behav** 1984 Apr;20(4):629–30

Sexual dimorphism in the hormonal control of aggressive behavior of rats. DeBold JF, et al. **Pharmacol Biochem Behav** 1981;14 Suppl 1:89–93

The effects of antidepressants on aggressiveness induced by social deprivation in mice. Delini-Stula A, et al. **Pharmacol Biochem Behav** 1981;14 Suppl 1:33–41

Unique influences of ten drugs upon post-shock biting attack and pre-shock manual responding. Emley GS, et al. **Pharmacol Biochem Behav** 1983 Jul;19(1):5–12

Irritable aggression induced by delta 9-tetrahydrocannabinol in rats pretreated with 6-hydroxydopamine. Fujiwara M, et al. **Pharmacol Biochem Behav** 1984 Mar;20(3):457–62

Increased shock-induced fighting with supersensitive beta-adrenergic receptors. Hegstrand LR, et al. **Pharmacol Biochem Behav** 1983 Aug;19(2):313–20

Effects of ethyl alcohol on hypothalamic affective defense in the cat. Johansson G, et al. **Pharmacol Biochem Behav** 1984 Jun;20(6):841–4

Drug effects on attack, defense and escape in mice. Kršiak M, et al. **Pharmacol Biochem Behav** 1981;14 Suppl 1:47–52

Oxazepam induced mouse killing by rats. Leaf RC, et al. **Pharmacol Biochem Behav** 1984 Feb;20(2):311–3

Growth hormone and isolation-induced aggression in wild male mice. Matte AC. **Pharmacol Biochem Behav** 1981;14 Suppl 1:85–7

Heightened aggressive behavior by animals interacting with alcohol-treated conspecifics: studies with mice, rats and squirrel monkeys. Miczek KA, et al. **Pharmacol Biochem Behav** 1984 Mar;20(3):349–53

Analysis of amphetamine effects on agonistic and affiliative behavior in squirrel monkeys (Saimiri sciureus). Miczek KA, et al. **Pharmacol Biochem Behav** 1981;14 Suppl 1:103–7

The effects of single and repeated doses of maprotiline, oxaprotiline and its enantiomers on foot-shock induced fighting in rats. Mogilnicka E, et al. **Pharmacol Biochem Behav** 1983 Oct;19(4):719–23

Selective anti-aggressive properties of DU 27725: ethological analyses of intermale and territorial aggression in the male rat. Oliver B. **Pharmacol Biochem Behav** 1981;14 Suppl 1:61–77

Modulation of aggressive behavior in fish by alcohol and congeners. Peeke HV, et al. **Pharmacol Biochem Behav** 1981;14 Suppl 1:79–84

Pharmaco-ethological analysis of social behaviour of isolated mice. Poshivalov VP. **Pharmacol Biochem Behav** 1981;14 Suppl 1:53–9

Disinhibition of muricide and irritability by intraseptal muscimol. Potegal M, et al. **Pharmacol Biochem Behav** 1983 Oct;19(4):663–9

Synergistic effect of propranolol and quipazine on desipramine enhanced shock-elicited fighting in rats. Prasad V, et al. **Pharmacol Biochem Behav** 1983 Sep; 19(3):419–21

Contrasting effects of d-amphetamine on affiliation and aggression in monkeys. Smith EO, et al. **Pharmacol Biochem Behav** 1984 Feb;20(2):255–60

Dissociation of prey killing and prey eating by naloxone in the rat. Walsh ML, et al. **Pharmacol Biochem Behav** 1984 Jul;21(1):5–7

The effects of intrahypothalamic hemicholinium-3 on muricide, irritability and feeding. Yoburn BC, et al. **Pharmacol Biochem Behav** 1984 Jun;20(6):829–33

Activity of desipramine, fluoxetine and nomifensine on spontaneous and p-CPA-induced muricidal aggression. Kostowski W, et al. **Pharmacol Res Commun** 1984 Mar; 16(3):265–71

Filicidal behavior: behavioral correlates and role of sensory systems. Schalock RL, et al. **Physiol Behav** 1983 Aug; 31(2):167–74

Ethological analysis of drug action on aggression and defense. Miczek KA. **Prog Neuropsychopharmacol Biol Psychiatry** 1983; 7(4–6):519–24

A perspective: psychopharmacological aspects of aggression in animals and man. Singhal RL, et al. **Psychiatr J Univ Ottawa** 1983 Sep;8(3):145–53 (75 ref.)

Regular or decaffeinated coffee and subsequent human aggressive behavior. Cherek DR, et al. **Psychiatry Res** 1984 Mar;11(3):251–8

Amphetamine alters aggressive behavior in differentially housed mice: changes in regional brain serotonin receptors. Essman EJ. **Psychol Rep** 1983 Oct;53(2):662

Effects of ethanol on murine aggression assessed by biting of an inanimate target. Smoothy R, et al. **Psychopharmacology (Berlin)** 1984;83(3):268–71

[Dehydroepiandrosterone inhibits aggressive behavior in castrated male mice] Haug M, et al. **C R Seances Acad Sci [III]** 1983;296(20):975–7 (Eng. Abstr.) **(Fre)**

[Behavioral and electroencephalographic effects of zopiclone, a cyclopyrrolone derivative] Ueki S, et al. **Fukuoka Igaku Zasshi** 1983 Aug;74(8):550–67 (Eng. Abstr.) **(Jpn)**

[Pharmacology of aggressive behavior] Ueki S. **Yakugaku Zasshi** 1983 Sep;103(9):909–21 (58 ref.) (Eng. Abstr.) **(Jpn)**

[Alimentary and defensive reactions in rabbit in response to intraventricular administration of 8-azaguanine and pentagastrin] Sudakov SK. **Zh Vyssh Nerv Deiat** 1984 May-Jun;34(3):563–5 **(Rus)**

PHYSIOLOGY

Aggression-provoked huge release of submaxillary mouse renin to saliva. Pedersen EB, et al. **Acta Endocrinol (Copenh)** 1983 Dec;104(4):510–2

Possible interrelationship between the biogenic amines involved in the modulation of footshock aggression in rats. Ray A, et al. **Arch Int Pharmacodyn Ther** 1983 Sep; 265(1):36–41

A comparative study of aggression related changes in brain serotonin in CBA, C57BL, and DBA mice. Serri GA, et al. **Behav Brain Res** 1984 Jun;12(3):283–9

Mouse killing in rats induced by lesions of the medial hypothalamus or medial accumbens: short-term preoperative exposure to a mouse does not suppress the killing. Albert DJ, et al. **Behav Neural Biol** 1983 May; 38(1):113–9

Characteristics of aggressive behavior induced by nucleus accumbens septi lesions in rats. Lee SC, et al. **Behav Neural Biol** 1983 Mar;37(2):237–45

Aggressive behavior in inbred strains of mice during pregnancy. Ogawa S, et al. **Behav Neural Biol** 1984 Mar; 40(2):195–204

Serum cholesterol in aggressive conduct disorder: a preliminary study. Virkkunen M, et al. **Biol Psychiatry** 1984 Mar;19(3):435–9

Regional changes in monoamines and metabolites following defensive aggression in the rat. Kantak KM, et al. **Brain Res Bull** 1984 Mar;12(3):227–32

Biology of aggression. Coe CL, et al. **Bull Am Acad Psychiatry Law** 1983;11(2):131–48 (67 ref.)

The biochemistry of aggression-provoked renin. Poulsen K, et al. **Clin Exp Hypertens [A]** 1983;5(7–8):969–73

Differential control of aggression by the midbrain. Shaikh MB, et al. **Exp Neurol** 1984 Feb;83(2):436–42

Aggression persists after ovariectomy in female rats. DeBold JF, et al. **Horm Behav** 1984 Jun;18(2):177–90

The role of progesterone in pregnancy-induced aggression in mice. Mann MA, et al. **Horm Behav** 1984 Jun; 18(2):140–60

Fetal effects on sexual behavior and aggression in young and old female mice treated with estrogen and testosterone. Rines JP, et al. **Horm Behav** 1984 Jun;18(2):117–29

Factors relating to urine spraying and fighting in prepubertally gonadectomized cats. Hart BL, et al. **J Am Vet Med Assoc** 1984 May 15;184(10):1255–8

Analysis of ultrasonic vocalizations emitted by residents during aggressive encounters among rats (Rattus norvegicus). Takahashi LK, et al. **J Comp Psychol** 1983 Sep;97(3):207–12

Analysis of ultrasonic vocalizations emitted by intruders during aggressive encounters among rats (Rattus norvegicus). Thomas DA, et al. **J Comp Psychol** 1983 Sep; 97(3):201–6

Testicular hormones and intermale aggressive behaviour in the presence of a female rat. Taylor GT, et al. **J Endocrinol** 1984 Mar;100(3):315–21

Social conflict activates opioid analgesic and ingestive behaviors in male mice. Teskey GC, et al. **Life Sci** 1984 Jul 16;35(3):303–15

Intermale aggression and infanticide in aged C57BL/6J male mice: behavioral deficits are not related to serum testosterone (T) levels and are not recovered by supplemental T. Svare B, et al. **Neurobiol Aging** 1983 Winter;4(4):305–12

Neural systems and the inhibitory modulation of agonistic behavior: a comparison of mammalian species. Albert DJ, et al. **Neurosci Biobehav Rev** 1984 Spring;8(1):5–24 (252 ref.)

The limbic system and aggression in humans. Eichelman B. **Neurosci Biobehav Rev** 1983 Fall;7(3):391–4 (41 ref.)

Role of the limbic system in hypothalamically elicited attack behavior. Siegel A, et al. **Neurosci Biobehav Rev** 1983 Fall; 7(3):395–407

Influence of shock-induced fighting and social factors on dopamine turnover in cortical and limbic areas in the rat. Dantzer R, et al. **Pharmacol Biochem Behav** 1984 Mar; 20(3):331–5

Cyclic nucleotides and aggressive behavior. Eichelman B, et al. **Pharmacol Biochem Behav** 1981;14 Suppl 1:7–12

Introductory remarks: The psychopharmacology of aggression and social behavior. Karli P. **Pharmacol Biochem Behav** 1981;14 Suppl 1:3–5

Effects of stimulation of the raphe nuclei on muricide behavior in rats. Puciłowski O, et al. **Pharmacol Biochem Behav** 1981;14 Suppl 1:25–8

Involvement of the GABAergic system on shock-induced aggressive behavior in two strains of mice. Puglisi-Allegra S, et al. **Pharmacol Biochem Behav** 1981;14 Suppl 1:13–8

Effects of ethanol on behaviour of aggressive mice from two different strains: a comparison of simple and complex behavioural assessments. Smoothy R, et al. **Pharmacol Biochem Behav** 1983 Oct;19(4):645–53

Tryptophan deprivation: effects on mouse-killing and reactivity in the rat. Vergnes M, et al. **Pharmacol Biochem Behav** 1981;14 Suppl 1:19–23

Medial hypothalamic lesions and play fighting in juvenile

rats. Beatty WW, et al. **Physiol Behav** 1983 Aug;31(2):141–5

Influence of isolation and training on fighting in mice with olfactory bulb lesions. DaVanzo JP, et al. **Physiol Behav** 1983 Dec;31(6):857–60

Role of the amygdala in the reproductive and aggressive behavior of the lizard, Anolis carolinensis. Greenberg N, et al. **Physiol Behav** 1984 Jan;32(1):147–51

Organization and expression of agonistic and socio–sexual behavior in golden hamsters over the estrous cycle and after ovariectomy. Takahashi LK, et al. **Physiol Behav** 1983 Oct;31(4):477–82

Aggression, body temperature, and stress ulcer. Vincent GP, et al. **Physiol Behav** 1984 Feb;32(2):265–8

Limbic control of aggression in the cat. Adamec RE, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1983; 7(4–6):505–12

Correlative relationship between biochemical activity and aggressive behaviour. Davis BA, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1983; 7(4–6):529–35

Endocrine correlates of aggression. Dent RR. **Prog Neuropsychopharmacol Biol Psychiatry** 1983; 7(4–6):525–8

Genetic models for the study of aggressive behavior. Palmour RM. **Prog Neuropsychopharmacol Biol Psychiatry** 1983; 7(4–6):513–7

Habituation of aggression in mice: pharmacological evidence of catecholaminergic and serotonergic mediation. Winslow JT, et al. **Psychopharmacology (Berlin)** 1983;81(4):286–91

[Deafness, mutism and behavior problems caused by bitemporal cerebral lesions] Rousseaux M, et al. **Cortex** 1983 Dec;19(4):557–68 (Eng. Abstr.) **(Fre)**

[Pancreatic blood flow in conscious dogs. II. Effects of sham–feeding and aggressory state on pancreatic blood flow] Kawano T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Jul;80(7):1468–74 (Eng. Abstr.) **(Jpn)**

[Effects competition and cooperation between two participants on a third one's heart rate, problem solving, and cognitive responses in triad] Osato E. **Shinrigaku Kenkyu** 1983 Dec;54(5):295–9 (Eng. Abstr.) **(Jpn)**

[Modification of the aggressive behavior of adult rats by the inhibition of catecholamine synthesis in early ontogeny] Popobva NK, et al. **Dokl Akad Nauk SSSR** 1983 Jul–Aug; 271(1):244–7 **(Rus)**

[Genetic analysis of predator aggressiveness in mice] Nikulina EM, et al. **Genetika (Moskva)** 1983 Jul;19(7):1105–10 (Eng. Abstr.) **(Rus)**

[Relation between the defensive behavior of altricial nestlings and the parameters of an alarm signal. Neuroethologic approach] Khaiutin SB, et al. **Zh Vyssh Nerv Deiat** 1984 Mar–Apr;34(2):251–8 (Eng. Abstr.) **(Rus)**

[Participation of serotonin in demonstration of predatory aggression in the mouse] Nikulina EM, et al. **Zh Vyssh Nerv Deiat** 1983 Jul–Aug;33(4):737–42 (Eng. Abstr.) **(Rus)**

[Interaction of different forms of aggressive behavior in the rat] Rylov AL. **Zh Vyssh Nerv Deiat** 1983 Nov–Dec; 33(6):1151–3 **(Rus)**

[Interraction of alimentary and defensive reactions induced by stimulation of the hypothalamus] Shalkovskaia LN. **Zh Vyssh Nerv Deiat** 1984 May–Jun;34(3):566–8 **(Rus)**

[Coordinated activity of limbic structures in the organization of behavioral responses] Shalkovskaia LN. **Zh Vyssh Nerv Deiat** 1983 Sep–Oct;33(5):955–6 **(Rus)**

[Role of serotonin2 receptors in regulating aggressive behavior] Vasar EE, et al. **Zh Vyssh Nerv Deiat** 1984 Mar–Apr;34(2):283–9 (Eng. Abstr.) **(Rus)**

[Role of benzodiazepine receptors in regulating aggressive behavior] Vasar EE, et al. **Zh Vyssh Nerv Deiat** 1983 Sep–Oct;33(5):864–9 (Eng. Abstr.) **(Rus)**

[Functional relation between the limbic system and the hypothalamus] Nádvorník P, et al. **Cesk Psychiatr** 1984 Apr;80(2):86–90 (Eng. Abstr.) **(Slo)**

[Brain catecholamines in animals of various degrees of aggressiveness] Lerdo de Tejada A, et al. **Gac Med Mex** 1984 Jan;120(1):25–8 **(Spa)**

PSYCHOLOGY

Aggressive behaviour in a psychiatric observation ward. Cooper SJ, et al. **Acta Psychiatr Scand** 1983 Nov; 68(5):386–93

Subtypes of aggressive conduct disorder. Stewart MA, et al. **Acta Psychiatr Scand** 1983 Sep;68(3):178–85

Aggression levels in college students after exposure or non–exposure to an aggressive life experience. Pardeck JT, et al. **Adolescence** 1983 Winter;18(72):845–50

Studies on anger and aggression. Implications for theories of emotion. Averill JR. **Am Psychol** 1983 Nov; 38(11):1145–60

Aversively stimulated aggression. Some parallels and differences in research with animals and humans. Berkowitz L. **Am Psychol** 1983 Nov;38(11):1135–44 (66 ref.)

Measuring physical aggressiveness in heterosexual, homosexual, and transsexual males. Blanchard R, et al. **Arch Sex Behav** 1983 Dec;12(6):511–24

Treating chronic aggression. Effects and side effects of response–contingent ammonia spirits. Doke L, et al. **Behav Modif** 1983 Oct;7(4):531–56

Audience effects when viewing aggressive movies. Dunand M, et al. **Br J Soc Psychol** 1984 Feb;23 (Pt 1):69–76

Movies and behavior among hospitalized mentally disordered offenders. Harry B. **Bull Am Acad Psychiatry Law** 1983; 11(4):359–64

Altruism, aggression, and social interactions in young children with a manic–depressive parent. Zahn–Waxler C, et al. **Child Dev** 1984 Feb;55(1):112–22

Child and parent evaluations of depression and aggression in psychiatric inpatient children. Kazdin AE, et al. **J Abnorm Child Psychol** 1983 Sep;11(3):401–13

A 3–year follow–up of aggressive and withdrawn behavior in childhood: preliminary findings. Ledingham JE, et al. **J Abnorm Child Psychol** 1984 Mar;12(1):157–68

A comparison of the social status and social behavior of aggressive and aggressive/withdrawn boys. Milich R, et al. **J Abnorm Child Psychol** 1984 Jun;12(2):277–88

Social information processing in child psychiatric populations. Milich R, et al. **J Abnorm Child Psychol** 1984 Sep;12(3):471–89

Aggressive behavior in the home as a function of the age and sex of control–problem and normal children. Moore DR, et al. **J Abnorm Child Psychol** 1983 Jun;11(2):257–72

Childhood aggression and social adjustment as antecedents of delinquency. Roff JD, et al. **J Abnorm Child Psychol** 1984 Mar;12(1):111–26

Personality and attitudinal characteristics of sexually coercive college males. Rapaport K, et al. **J Abnorm Psychol** 1984 May;93(2):216–21

Aggressive behavior, seclusion and physical restraint in an inpatient child population. Garrison WT. **J Am Acad Child Psychiatry** 1984 Jul;23(4):448–52

Background characteristics of aggressive, hyperactive, and aggressive–hyperactive boys. McGee R, et al. **J Am Acad Child Psychiatry** 1984 May;23(3):280–4

Behavioral and developmental characteristics of aggressive, hyperactive and aggressive–hyperactive boys. McGee R, et al. **J Am Acad Child Psychiatry** 1984 May;23(3):270–9

Serious sibling abuse by preschool children. Rosenthal PA, et al. **J Am Acad Child Psychiatry** 1984 Mar;23(2):186–90

Reducing organizational conflict: an incompatible response approach. Baron RA. **J Appl Psychol** 1984 May;69(2):272–9

Suppressing aggressive–destructive behavior by delayed overcorrection. Altman K, et al. **J Behav Ther Exp Psychiatry** 1983 Dec;14(4):359–62

Treatment of an assaultive, sensory–impaired adolescent through a multicomponent behavioral program. Luiselli JK. **J Behav Ther Exp Psychiatry** 1984 Mar;15(1):71–8

Management of multiple aggressive behaviors by differential reinforcement. Luiselli JK, et al. **J Behav Ther Exp Psychiatry** 1983 Dec;14(4):343–7

Aggressive conduct disorder: the influence of social class, sex and age on the clinical picture. Behar D, et al. **J Child Psychol Psychiatry** 1984 Jan;25(1):119–24

California psychological inventory profiles of peer–nominated assertives, unassertives, and aggressives. Paterson CR, et al. **J Clin Psychol** 1984 Mar;40(2):534–8

Cognitive controls and aggression in children: the concept of cognitive–affective balance. Santostefano S, et al. **J Consult Clin Psychol** 1984 Feb;52(1):46–56

The effect of television–mediated aggression and real–life aggression on the behavior of Lebanese children. Day RC, et al. **J Exp Child Psychol** 1984 Aug;38(1):7–18

Ambivalence in monkey mothering. Infant abuse combined with maternal possessiveness. Troisi A, et al. **J Nerv Ment Dis** 1984 Feb;172(2):105–8

The fakability of subtle and obvious measures of aggression by male prisoners. Posey CD, et al. **J Pers Assess** 1984 Apr;48(2):137–44

Factors associated with rape as predictors of laboratory aggression against women. Malamuth NM. **J Pers Soc Psychol** 1983 Aug;45(2):432–42

Hostility reduction in married and unacquainted couples. Fitz D, et al. **J Psychol** 1983 Nov;115(2d Half):177–84

Four factors affecting perceived aggressiveness. Holm O. **J Psychol** 1983 Jul;114(2d Half):227–34

Aggression in professional ice hockey: a strategy for success or a reaction to failure? Widmeyer WN, et al. **J Psychol** 1984 May;117(1st Half):77–84

A scale for measuring mode and severity in harming. Holm O. **J Soc Psychol** 1984 Feb;122(1ST Half):143–4

Querulent paranoia: a follow–up. Astrup C. **Neuropsychobiology** 1984;11(3):149–54

Rorschach space response and aggression. Carlson RW, et al. **Percept Mot Skills** 1984 Jun;58(3):987–8

Experimental study of aggression and catharsis in Japanese. Tachibana Y, et al. **Percept Mot Skills** 1984 Feb; 58(1):207–12

Aggression in battered and non–battered women as reflected in the Hand Test. Dalton DA, et al. **Psychol Rep** 1983 Dec;53(3 Pt 1):703–9

Teachers' ratings of aggression and students' own perceived status. Horne MD, et al. **Psychol Rep** 1983 Aug;53(1):275–8

Differentiating assertiveness, aggressiveness, and shyness: a factor analysis. Tucker RK, et al. **Psychol Rep** 1983 Oct; 53(2):607–11

Cognitive effects of haloperidol and lithium in aggressive conduct–disorder children. Platt JE, et al. **Psychopharmacol Bull** 1984 Winter;20(1):93–7

Belligerence in alcohol dependence. Løberg T. **Scand J Psychol** 1983;24(4):285–92

[Diagnosis of asocial, aggressive behavior—experiences with Petermann and Petermann's 'EAS'] Zimmermann W. **Psychiatr Neurol Med Psychol (Leipz)** 1983 Nov; 35(11):687–94 (Eng. Abstr.) **(Ger)**

[Effect of arbitrary provocation and nonspecific activation on aggressive behavior] Bornewasser M. **Z Exp Angew Psychol** 1984;31(3):391–406 (Eng. Abstr.) **(Ger)**

[Attitude and the intensity and type of aggression demonstrated during psychological tests] Gaś ZB. **Psychiatr Pol** 1983 Jul–Aug;17(4):329–33 (Eng. Abstr.) **(Pol)**

[Projective value of the drawing test 'The Bewitched Family' in neuroses and behavior disorders in children] Sulestrowska H. **Psychiatr Pol** 1984 Jan–Feb;18(1):23–9 (Eng. Abstr.) **(Pol)**

AGING

Mast cells in the human testis and epididymis from birth to adulthood. Nistal M, et al. **Acta Anat (Basel)** 1984; 119(3):155–60

Changes with age in the number and size of myelinated axons in the rat L4 dorsal spinal root. Rao RS, et al. **Acta Anat (Basel)** 1983;117(3):187–92

Ultrastructure of aging human umbilical artery and vein. Takagi T, et al. **Acta Anat (Basel)** 1984;119(2):73–9

Developmental pattern of TRH–degrading activity and TRH content in rat pancreas. Aratan–Spire S, et al. **Acta Endocrinol (Copenh)** 1984 May;106(1):102–8

Patterns of plasma melatonin with ageing and mental condition: stability of nyctohemeral rhythms and differences in seasonal variations. Touitou Y, et al. **Acta Endocrinol (Copenh)** 1984 Jun;106(2):145–51

Effect of aminoethyl–isothiuronium (AET) treatment on intestinal cell proliferation during ageing. Pénzes L, et al. **Acta Med Hung** 1983;40(4):251–7

Haemodynamic changes in the elderly hypertensives. Lund–Johansen P. **Acta Med Scand [Suppl]** 1983;676:86–102

Age and the renin–angiotensin system. Skøtt P, et al. **Acta Med Scand [Suppl]** 1983;676:45–51 (45 ref.)

Pharmacokinetics of calcium blockers in patients with renal insufficiency and in geriatric patients. Storstein L, et al. **Acta Med Scand [Suppl]** 1984;681:25–30

EM study of the numbers of cortical synapses in the brains of ageing people and people with Alzheimer–type dementia. Gibson PH. **Acta Neuropathol (Berl)** 1983; 62(1–2):127–33

Loss of intracortical myelinated fibers: a distinctive age–related alteration in the human striate area. Lintl P, et al. **Acta Neuropathol (Berl)** 1983;61(3–4):178–82

Relationship between pigment accumulation and age in Alzheimer's disease and Down syndrome. Mann DM, et al. **Acta Neuropathol (Berl)** 1984;63(1):72–7

Hip fractures in the county of Funen, Denmark. Implications of demographic aging and changes in incidence rates. Frandsen PA, et al. **Acta Orthop Scand** 1983 Oct; 54(5):681–6

The blood flow of rabbits' tendons. Variation with age, activity and hypoxia. Landi A, et al. **Acta Orthop Scand** 1983 Dec;54(6):832–5

Minor collagens in arthrotic human cartilage. Change in content of 1 alpha, 2 alpha, 3 alpha and M–collagen with age and in osteoarthrosis. Németh–Csóka M, et al. **Acta Orthop Scand** 1983 Aug;54(4):613–9

Microprobe analysis of human otoconia. Anniko M, et al. **Acta Otolaryngol (Stockh)** 1984 Mar–Apr;97(3–4):283–9

Human blood monocyte function in relation to age. Nielsen H, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1984 Feb;92(1):5–10

Effect of cadmium in vitro on benzphetamine–N–demethylation and ethoxyresorufin–O–deethylation in rats of different age. Kadiiska M, et al. **Acta Physiol Pharmacol Bulg** 1983; 9(4):21–30

Aging brain and dopamine receptors: abnormal regulation by CCK–8 of 3H–spiperone labeled dopamine receptors in striatal membranes. Agnati LF, et al. **Acta Physiol Scand** 1984 Mar;120(3):465–7

Nootropic drugs and aging. Giurgea CE, et al. **Acta Psychiatr Belg** 1983 Jul–Aug;83(4):349–58

The influence of age and depression on intellectual and memory performances. Mormont C. **Acta Psychiatr Belg** 1984 Mar–Apr;84(2):127–34

Personality changes in the aged. A longitudinal study with the MNT–scale. Nilsson LV, et al. **Acta Psychiatr Scand** 1983 Dec;68(6):414–8

Susceptibility to carcinogenic effect of irradiation. Relationship to age at time of exposure. Ebbesen P, et al. **Acta Radiol [Oncol]** 1984;23(2–3):141–5

Carcinogenesis and aging. Anisimov VN. **Adv Cancer Res** 1983;40:365–424 (295 ref.)

Institutionalization and the elderly: international comparisons. Grundy E, et al. **Age Ageing** 1984 May; 13(3):129–37

Age–related changes in structure of labial minor salivary glands. Syrjänen S. **Age Ageing** 1984 May;13(3):159–65

Decreased vascular sensitivity to histamine during aging. Brink C, et al. **Agents Actions** 1984 Jan;14(1):8–10

The effects of a metabolic diet combined or not with insulin on hypercholesterolemia, hypertriglyceridemia, glucose tolerance curves, physical activity, heart size and aging. Sodi Pallares D. **Agressologie** 1983 Jun;24(7):287–91

Concentration of intrathecal 3H–labeled metrizamide in normal dog brain: age–related differences. Hayman LA,

et al. AJNR 1983 Sep–Oct;4(5):1091–6
Radiologic changes of the aging brain and skull. LeMay M. AJR 1984 Aug;143(2):383–9 (76 ref.)
Changing topographic patterns of human cerebral blood flow with age measured by xenon CT. Tachibana H, et al. AJR 1984 May;142(5):1027–34
Relationship of mitochondrial damage in human lymphocytes and age. Beregi E, et al. Aktuel Gerontol 1983 Nov; 13(6):226–8
Age dependent phagocytosis of red cell membranes by the reticulohistiocytary system of the isolated perfused rat liver. Vömel T, et al. Aktuel Gerontol 1983 Nov; 13(6):229–32
Impaired ethanol metabolism with advancing age. Hahn HK, et al. Alcoholism (NY) 1983 Summer;7(3):299–301
Age and alcoholism: independent memory decrements. Riege WH, et al. Alcoholism (NY) 1984 Jan–Feb;8(1):42–7
Eye changes after forty. Abrahamson IA Jr. Am Fam Physician 1984 Apr;29(4):171–81
Gastrointestinal function after forty. Danovitch SH. Am Fam Physician 1984 Feb;29(2):205–10
Nutrition and the elderly. Hickler RB, et al. Am Fam Physician 1984 Mar;29(3):137–45
Geriatric psychopharmacology. Pies R. Am Fam Physician 1983 Oct;28(4):171–6
Skin changes after forty. Turner ML. Am Fam Physician 1984 Jun;29(6):173–81
Sexuality and aging. Walbroehl GS. Am Fam Physician 1984 Feb;29(2):239–42
The effect of age on lung structure in male BALB/cNNia inbred mice. Kawakami M, et al. Am J Anat 1984 May; 170(1):1–21
Augmentation of atrial contribution to left ventricular inflow with aging as assessed by intracardiac Doppler flowmetry. Miyatake K, et al. Am J Cardiol 1984 Feb 1;53(4):586–9
Symposium on evidence relating selected vitamins and minerals to health and disease in the elderly population in the United States. American Society for Clinical Nutrition, Washington D.C., May 8, 1982. Am J Clin Nutr 1982 Nov;36(5 Suppl):977–1086
Plasma pyridoxal phosphate in diabetics [letter] Hamfelt A, et al. Am J Clin Nutr 1984 May;39(5):841–3
Thiamin in the elderly—relation to alcoholism and to neurological degenerative disease. Iber FL, et al. Am J Clin Nutr 1982 Nov;36(5 Suppl):1067–82 (128 ref.)
Outcomes of older and younger malnourished and well-nourished patients one year after hospitalization. Linn BS. Am J Clin Nutr 1984 Jan;39(1):66–73
Iron status of elderly Americans. Lynch SR, et al. Am J Clin Nutr 1982 Nov;36(5 Suppl):1032–45 (100 ref.)
Vitamin D and bone health in the elderly. Parfitt AM, et al. Am J Clin Nutr 1982 Nov;36(5 Suppl):1014–31 (174 ref.)
Summary and concluding statement: evidence relating selected vitamins and minerals to health and disease in the elderly population in the United States. Rivlin RS. Am J Clin Nutr 1982 Nov;36(5 Suppl):1083–6
Zinc nutriture in the elderly in relation to taste acuity, immune response, and wound healing. Sandstead HH, et al. Am J Clin Nutr 1982 Nov;36(5 Suppl):1046–59 (115 ref.)
Variables affecting measurement of human red cell Na+,K+ATPase activity: technical factors, feeding, aging. Simat BM, et al. Am J Clin Nutr 1984 Aug; 40(2):339–45
Age-related changes in laboratory values used in the diagnosis of anemia and iron deficiency. Yip R, et al. Am J Clin Nutr 1984 Mar;39(3):427–36
Evidence relating selected vitamins and minerals to health and disease in the elderly population in the United States: introduction. Young EA. Am J Clin Nutr 1982 Nov;36(5 Suppl):979–85 (129 ref.)
Significance of erythrocyte sedimentation rate in young adults. Froom P, et al. Am J Clin Pathol 1984 Aug; 82(2):198–200
Blood pressure during the first five years of life: relation to ethnic group (black or white) and to parental hypertension. Schachter J, et al. Am J Epidemiol 1984 Apr; 119(4):541–53
Malignant melanoma: dependence of site-specific risk on age. Stevens RG, et al. Am J Epidemiol 1984 Jun;119(6):890–5
The 'loss' of centromeres from chromosomes of aged women. Nakagome Y, et al. Am J Hum Genet 1984 Mar; 36(2):398–404
Lack of age-dependent cisplatin nephrotoxicity. Hrushesky WJ, et al. Am J Med 1984 Apr;76(4):579–84
Clinical implications of aging physiology. Williams ME. Am J Med 1984 Jun;76(6):1049–54
The natural history of Huntington disease: possible role of 'aging genes'. Farrer LA, et al. Am J Med Genet 1984 May;18(1):115–23
The effect of age on the nerve fiber population of the human optic nerve. Balazsi AG, et al. Am J Ophthalmol 1984 Jun; 97(6):760–6
Changes in facial dimensions and relationships between the ages of 5 and 25 years. Bishara SE, et al. Am J Orthod 1984 Mar;85(3):238–52
Tooth loss and tooth retention in a multitribal group of Bantu-speaking South African blacks: a study on 500 dry mandibles. Tal H, et al. Am J Phys Anthropol 1984 May; 64(1):75–82
Effect of age and dietary calcium on renal 25(OH)D metabolism, serum 1,25(OH)2D, and PTH. Armbrecht HJ, et al. Am J Physiol 1984 Mar;246(3 Pt 1):E266–70
Adipocyte blood flow: influence of age, anatomic location, and dietary manipulation. Crandall DL, et al. Am J Physiol 1984 Jul;247(1 Pt 2):R46–51
Glucose-induced insulin secretion by perfused pancreas of 2- and 12-mo-old Fischer 344 rats. Curry DL, et al. Am J Physiol 1984 Sep;247(3 Pt 1):E385–8
Age-associated changes in neuromuscular transmission in the rat. Wilson DF, et al. Am J Physiol 1984 Sep;247(3 Pt 1):C288–92
Effect of age on anion gap in clinically normal Quarter Horses. Gossett KA, et al. Am J Vet Res 1983 Sep; 44(9):1744–5
Maturation of the retina of the canine neonate as determined by electroretinography and histology. Gum GG, et al. Am J Vet Res 1984 Jun;45(6):1166–71
Dyschondroplasias, including osteochondrosis, in boars between 25 and 169 days of age: histologic changes. Hill MA, et al. Am J Vet Res 1984 May;45(5):903–16
Dyschondroplasias, including osteochondrosis, in boars between 25 and 169 days of age: radiologic changes. Hill MA, et al. Am J Vet Res 1984 May;45(5):917–25
Age-related renal, hematologic, and hemostatic abnormalities in FH/Wjd rats. Urizar RE, et al. Am J Vet Res 1984 Aug;45(8):1624–31
Effects of aging on antibacterial mechanisms in experimental pneumonia. Esposito AL, et al. Am Rev Respir Dis 1983 Oct;128(4):662–7
Cardiopulmonary gas transport and aging. Horvath SM, et al. Am Rev Respir Dis 1984 Feb;129(2 Pt 2):S68–71
A scanning electron microscopic study of Reissner's fibre in elderly mice. Sturrock RR. Anat Anz 1984;156(1):21–30
The response of the uterine surface to ovarian hormones in the aged rat. Craig SS, et al. Anat Embryol (Berl) 1984; 169(2):205–8
Age related changes in the capillary index of the caprine hypophysis cerebri. Khatra GS, et al. Anat Histol Embryol 1984 Jun;13(2):174–80
Age related changes in the caprine cavum hypophysis. Khatra GS, et al. Anat Histol Embryol 1983 Dec; 12(4):341–6
Ultrastructural evidence of continued reorganization at the aging (11–26 months) rat soleus neuromuscular junction. Cardasis CA. Anat Rec 1983 Nov;207(3):399–415
Changes in the secretory acinar cells of the rat parotid gland during aging. Kim SK. Anat Rec 1984 Jul;209(3):345–54
The effect of osmium postfixation and uranyl and lead staining on the ultrastructure of young enamel in the rat incisor. Nanci A, et al. Anat Rec 1983 Sep;207(1):1–16
The effect of age, pairing, copulation, and 2-Br-alpha-ergocryptine in the male Mongolian gerbil on the prolactin cells in the anterior pituitary identified by immunocytochemical and Herlant's tetrachrome methods. Ortman R, et al. Anat Rec 1984 Mar;208(3):411–20
Quantitative changes in the morphology of the aging canine prostate. Zirkin BR, et al. Anat Rec 1984 Feb;208(2):207–14
On the in vitro metabolism of androstenedione and progesterone in human testicular tissue from fetal age to senescence. Hammar M, et al. Andrologia 1984 Jul–Aug; 16(4):283–8
Age related development of angiotensin converting enzyme in testes and epididymis of rat. Jaiswal AK, et al. Andrologia 1983 Jul–Aug;15(4):347–9
Distribution, elimination, and action of d-tubocurarine in neonates, infants, children, and adults. Matteo RS, et al. Anesth Analg 1984 Sep;63(9):799–804
Age and solubility of volatile anesthetics in blood. Lerman J, et al. Anesthesiology 1984 Aug;61(2):139–43
Effect of age and premedication on thiopental sleep dose. Muravchick S. Anesthesiology 1984 Sep;61(3):333–6
Effect of age on the adaptive response of the adult temporomandibular joint. A study of induced protrusion in Macaca mulatta. Hinton RJ, et al. Angle Orthod 1984 Apr;54(2):154–62
Exercise and the aging process. Harris R. Ann Acad Med Singapore 1983 Jul;12(3):454–6
Multitest CMI for standardized measurement of delayed cutaneous hypersensitivity and cell-mediated immunity. Normal values and proposed scoring system for healthy adults in the U.S.A. Kniker WT, et al. Ann Allergy 1984 Feb;52(2):75–82
The impact of ageing—present and future. Morgan DB. Ann Clin Biochem 1983 Sep;20 (Pt 5):257–61
Lipoprotein-induced inhibition of plaque-forming cell generation and natural killer cell frequency in aged donors. Antonaci S, et al. Ann Immunol (Paris) 1984 Mar–Apr; 135C(2):241–9
Antibody-dependent cellular cytotoxicity and natural killing in nude rats: quantitative study according to age and sex. Chassoux D, et al. Ann Immunol (Paris) 1983 Nov–Dec; 134D(3):309–18
NIH Conference. Brain imaging: aging and dementia. Cutler NR, et al. Ann Intern Med 1984 Sep;101(3):355–69
Age and inappropriate antidiuretic hormone secretion [letter] Elward K, et al. Ann Intern Med 1984 May;100(5):766
Nail growth, calcium, and vitamin D [letter] Hogan DB, et al. Ann Intern Med 1984 Aug;101(2):283
Positron emission tomographic studies in aging and cerebrovascular disease at Hammersmith hospital. Frackowiak RS, et al. Ann Neurol 1984;15 Suppl:S112–8
The effect of normal aging on patterns of local cerebral glucose utilization. Kuhl DE, et al. Ann Neurol 1984;15 Suppl:S133–7
The ontogeny of seizures induced by leucine-enkephalin and beta-endorphin. Snead OC 3d, et al. Ann Neurol 1984 Jun; 15(6):594–8
Immunorestorative capacity of tuftsin after long-term administration to aging mice. Bruley-Rosset M, et al. Ann NY Acad Sci 1983;419:242–50
Some psychophysiological and pharmacological correlates of a developmental, cognitive and motivational theory. Grossberg S. Ann NY Acad Sci 1984;425:58–151
Regulation of the anti-trinitrophenyl response by anti-idiotype antibodies. Siskind GW, et al. Ann NY Acad Sci 1983;418:26–30
Habituation of the event-related potential in elderly and young subjects. Walrath LC, et al. Ann NY Acad Sci 1984; 425:391–7
Histology of human eustachian tube muscles: effect of aging. Tomoda K, et al. Ann Otol Rhinol Laryngol 1984 Jan–Feb; 93(1 Pt 1):17–24
Implications of the life-span developmental framework for well-being in adulthood and aging. Reed PG. ANS 1983 Oct;6(1):18–25
Age changes in skinfolds, body fat and lean body mass in Jat-Sikh and Bania females during 20 to 80 years. Singal P, et al. Anthropol Anz 1983 Sep;41(3):179–89
Effects of food deprivation, strain, diet and age on feeding responses of fowls to intravenous injections of cholecystokinin. Savory CJ, et al. Appetite 1983 Sep; 4(3):165–76
Effects of early hypophysectomy in the aging rat ovary. Ultrastructural study on regression and on delayed epithelial proliferation in the interstitial tissue. Crumeyrolle-Arias M, et al. Arch Anat Microsc Morphol Exp 1983;72(2):117–31
Developmental changes in insulin receptors of pig red blood cells. Im JH, et al. Arch Biochem Biophys 1984 Jul; 232(1):26–37
Distribution of cadmium and zinc in tissues and organs, and their age-related changes in striped dolphins, Stenella coeruleoalba. Honda K, et al. Arch Environ Contam Toxicol 1983 Sep;12(5):543–50
Aging, abstinence, and medical risk factors in the prediction of neuropsychologic deficit among long-term alcoholics. Grant I, et al. Arch Gen Psychiatry 1984 Jul;41(7):710–8
Antibody and immunoglobulin levels in aged humans. Bátory G, et al. Arch Gerontol Geriatr 1984 Jul;3(2):175–88
Lipofuscin in lymphocytes and plasma cells in aging. Beregi E, et al. Arch Gerontol Geriatr 1983 Nov;2(3):229–35
Age-dependent decrease of the passive Rb+ and K+ permeability of the nerve cell membranes in rat brain cortex as revealed by in vivo measurement of the Rb+ discrimination ratio. Gyenes M, et al. Arch Gerontol Geriatr 1984 May;3(1):11–31
Biological meaning of the prospective epidemiological study on chronic obstructive lung disease and aging. Jedrychowski W. Arch Gerontol Geriatr 1983 Nov; 2(3):237–48
Modifications of fibronectin in age-related diseases: diabetes and cancer. Labat-Robert J, et al. Arch Gerontol Geriatr 1984 May;3(1):1–10
Age-dependent alterations of intestinal absorption. I. Theoretical aspects. Laue R, et al. Arch Gerontol Geriatr 1984 Jul;3(2):87–95
Patterns of movement and ageing in Drosophila melanogaster. Le Bourg E. Arch Gerontol Geriatr 1983 Dec;2(4):299–306
On the interrelationship between serum parathormone levels and osteoporosis in old humans. Lucantoni C, et al. Arch Gerontol Geriatr 1983 Dec;2(4):293–8
Aging and health: a longitudinal study. Markides KS, et al. Arch Gerontol Geriatr 1984 May;3(1):33–49
Ethnicity, aging and society: theoretical lessons from the United States experience. Markides KS. Arch Gerontol Geriatr 1983 Nov;2(3):221–8
Sedative-hypnotic drug use and ageing. Morgan K. Arch Gerontol Geriatr 1983 Nov;2(3):181–99 (58 ref.)
Alterations of the synaptosomal membrane 'microviscosity' in the brain cortex of rats during aging and centrophenoxine treatment. Nagy K, et al. Arch Gerontol Geriatr 1983 Jul;2(1–2):23–39
Comparison of skeletal muscle motor unit discharge characteristics in young and aged humans. Nelson RM, et al. Arch Gerontol Geriatr 1983 Nov;2(3):255–64
Effects of glycosylation on physiological and biological activities of substances. Oimomi M, et al. Arch Gerontol Geriatr 1984 May;3(1):59–64
'Senile' myeloma: a possible variant form of multiple myeloma. Pezzoli A, et al. Arch Gerontol Geriatr 1984 May; 3(1):65–75
Superoxide dismutase in the central nervous system of Torpedo marmorata. Pisanti FA, et al. Arch Gerontol Geriatr 1983 Dec;2(4):343–7
The influence of age and multimorbidity on the pharmacokinetics and metabolism of spironolactone. Platt D, et al. Arch Gerontol Geriatr 1984 Jul;3(2):147–59
Halstead's studies in the neuropsychology of aging. Schludermann EH, et al. Arch Gerontol Geriatr 1983 Jul; 2(1–2):49–172
Occurrence of short-sized oligo(A) fragments during course of cell cycle and ageing. Schröder HC, et al. Arch Gerontol Geriatr 1983 Dec;2(4):349–60
In vivo stimulation of nerve cells by phytohemagglutinin. II. Alterations in the rate of total and mRNA synthesis

in the brain cortex of old rats. Semsei I, et al. **Arch Gerontol Geriatr** 1983 Dec;2(4):307–13

Regulation of citrate synthase and phosphoenolpyruvate carboxykinase by hydrocortisone in the liver of aging rats. Sharma R, et al. **Arch Gerontol Geriatr** 1984 Jul;3(2):167–74

Covalent modifications of chromosomal proteins during aging. Thakur MK. **Arch Gerontol Geriatr** 1983 Jul; 2(1–2):1–10

Learning and memory in young and aged Fischer 344 rats. Vasquez BJ, et al. **Arch Gerontol Geriatr** 1983 Dec; 2(4):279–91

Age-dependent alterations of intestinal absorption. II. A clinical study using a modified D-xylose absorption test. Weiner R, et al. **Arch Gerontol Geriatr** 1984 Jul;3(2):97–108

Effects of isolation and food restriction begun at 50 days on the development of age-associated renal disease in the male Wistar rat. Wyndham JR, et al. **Arch Gerontol Geriatr** 1983 Dec;2(4):317–32

Fine structural aspects of the development and aging of the tracheal epithelium of mice. Kawamata S, et al. **Arch Histol Jpn** 1983 Jun;46(3):355–72

Age-related changes in CNS-sensitivity to hexobarbital and thiopental in the rat. Bolander HG, et al. **Arch Int Pharmacodyn Ther** 1984 Feb;267(2):213–23

Deficits in cholinergic enzymes and muscarinic receptors in the hippocampus and striatum of senescent rats: effect of chronic hydergine treatment. Dravid AR. **Arch Int Pharmacodyn Ther** 1983 Aug;264(2):195–202

Effects of indomethacin and naproxen on renal p-amino-hippurate (PAH) excretion in rats during postnatal development. Hably C, et al. **Arch Int Pharmacodyn Ther** 1984 Mar;268(1):4–11

The aging effect on intraocular pressure in an apparently normal population. Shiose Y. **Arch Ophthalmol** 1984 Jun; 102(6):883–7

A qualitative and quantitative study of the ageing human labial salivary glands. Drummond JR, et al. **Arch Oral Biol** 1984;29(2):151–5

Age-related changes in reducible crosslinks of human dental pulp collagen. Nielsen CJ, et al. **Arch Oral Biol** 1983; 28(8):759–64

The amount and distribution of sclerotic human root dentine. Vasiliadis L, et al. **Arch Oral Biol** 1983;28(7):645–9

Age-dependent changes of the compound action potential in the guinea pig. Dum N. **Arch Otorhinolaryngol** 1983; 238(2):179–87

Neurovirulence of herpes simplex virus type 1 depends on age in mice and thymidine kinase expression. Ben-Hur T, et al. **Arch Virol** 1983;78(3–4):303–8

Selective vulnerability of neural cells and age-related susceptibility to OC43 virus in mice. Pearson J, et al. **Arch Virol** 1983;77(2–4):109–18

Determination of nutritional status in aging adults. Watson RR, et al. **Ariz Med** 1984 Apr;41(4):235–9

Enzyme-histochemical changes in arteries of genetically hypertensive rats (SHR, SP-SHR). Hadjiisky P, et al. **Artery** 1983;11(6):460–77

Age-associated amyloid deposition in surgically-removed herniated intervertebral discs. Takeda T, et al. **Arthritis Rheum** 1984 Sep;27(9):1063–5

Changes in plasma P, Ca, ALP, calcitonin and parathyroid hormone with age and after oophorectomy in women. Kono S, et al. **Asia Oceania J Obstet Gynaecol** 1983 Sep; 9(3):317–23

Age-related increase in the migration of aortic smooth muscle cells induced by 12-L-hydroxy-5,8,10,14-eicosatetranoic acid. Nakao J, et al. **Atherosclerosis** 1984 May-Jun;51(2–3):179–87

Studies of normal hearing. Catlin FI. **Audiology** 1984; 23(3):241–52

Binaural interaction measured behaviorally and electrophysiologically in young and old adults. Kelly-Ballweber D, et al. **Audiology** 1984;23(2):181–94

A morphometric analysis of the changes with age in the skin surface wax and the sebaceous gland area of Merino sheep. Warren GH, et al. **Aust Vet J** 1983 Aug;60(8):238–40

Effects of aging on atrial and ventricular human myosin. Banerjee SK, et al. **Basic Res Cardiol** 1983 Nov-Dec; 78(6):685–94

Age-related differences in excitation-contraction coupling in rat papillary muscle. Capasso JM, et al. **Basic Res Cardiol** 1983 Sep-Oct;78(5):492–504

Electrical activity in the red nuclei of rats and the effects of hemicerebellectomy at young ages. Gramsbergen A, et al. **Behav Brain Res** 1984 Apr;12(1):91–8

Ontogenesis of circadian sleep-wakefulness rhythms and developmental changes of sleep in the altricial rat and in the precocial guinea pig. Ibuka N. **Behav Brain Res** 1984 Mar;11(3):185–96

The development of air-righting reflex in postnatal growing rabbits. Schönfelder J. **Behav Brain Res** 1984 Mar; 11(3):213–21

Visual discrimination after early and late unilateral enucleation of the rabbit. Van Hof MW, et al. **Behav Brain Res** 1984 Apr;12(1):87–9

Behavioral changes in aging Aplysia: a model system for studying the cellular basis of age-impaired learning, memory, and arousal. Bailey CH, et al. **Behav Neural Biol** 1983 May;38(1):70–81

Testosterone and the decline of sexual behavior in aging male rats. Chambers KC, et al. **Behav Neural Biol** 1984 Jan; 40(1):87–97

The effects of age, exposure, preexposure, and noise conditions on variable interval performance. Harrison DW, et al. **Behav Neural Biol** 1983 Nov;39(2):268–76

Age-dependent correlation of motor performance with neurotransmitter synthetic enzyme activities in mice. Ingram DK, et al. **Behav Neural Biol** 1983 Nov; 39(2):284–98

Potentiation of a conditioned taste aversion in preweanling and adult rats. Kucharski D, et al. **Behav Neural Biol** 1984 Jan;40(1):44–57

Assessment of retention capacities in old rats. Martinez JL Jr, et al. **Behav Neural Biol** 1983 Nov;39(2):181–91

Demonstration of presbycusis across repeated measures in a nonhuman primate species. Bennett CL, et al. **Behav Neurosci** 1983 Aug;97(4):602–7

Self-stimulation in 7- and 10-day-old rats. Lithgow T, et al. **Behav Neurosci** 1984 Jun;98(3):479–86

Effect of catecholamine precursors on stress-induced changes in motor activity, exploration, and brain monoamines in young and aged mice. Thurmond JB, et al. **Behav Neurosci** 1984 Jun;98(3):506–17

Demographic perspectives of aging. Fong MS. **Bibl Nutr Dieta** 1983;(33):168–73

Spin label studies on synaptosomal membranes of rat brain cortex during aging. Nagy K, et al. **Biochem Biophys Res Commun** 1983 Dec 28;117(3):688–94

Age-related changes in unscheduled DNA synthesis by rat hepatocytes. Plesko MM, et al. **Biochem Biophys Res Commun** 1984 Feb 14;118(3):730–5

Protein synthesis during the developmental growth of the small and large intestine of the rat. Goldspink DF, et al. **Biochem J** 1984 Jan 15;217(2):527–34

Protein turnover and growth in the whole body, liver and kidney of the rat from the foetus to senility. Goldspink DF, et al. **Biochem J** 1984 Jan 15;217(2):507–16

Age-related changes in albumin elimination in female WAG/Rij rats. Horbach GJ, et al. **Biochem J** 1983 Nov 15;216(2):309–15

Pre- and post-natal growth and protein turnover in smooth muscle, heart and slow- and fast-twitch skeletal muscles of the rat. Lewis SE, et al. **Biochem J** 1984 Jan 15; 217(2):517–26

Variation in quantity and extractability of the 148-kilodalton cartilage protein with age. Paulsson M, et al. **Biochem J** 1984 Aug 1;221(3):623–30

Age-related decrease in the link-stability of proteoglycan aggregates formed by articular chondrocytes. Plaas AH, et al. **Biochem J** 1984 May 15;220(1):337–40

Age-related changes in chemical composition and physical properties of mucus glycoproteins from rat small intestine. Shub MD, et al. **Biochem J** 1983 Nov 1;215(2):405–11

Age-dependent changes in glucose 1,6-bisphosphate levels and in the activities of glucose 1,6-bisphosphatase, and particulate hexokinase and 6-phosphogluconate dehydrogenase in rat skin. Beitner R, et al. **Biochem Med** 1983 Dec;30(3):369–80

High density lipoprotein in octogenarians. Ron D, et al. **Biochem Med** 1983 Oct;30(2):253–60

Effects of aging on hepatic and pulmonary glutathione S-transferase activities in male and female Fischer 344 rats. Spearman ME, et al. **Biochem Pharmacol** 1984 Apr 15; 33(8):1309–13

Raman spectroscopic study of age-related structural changes in the lens proteins of an intact mouse lens. Ozaki Y, et al. **Biochemistry** 1983 Dec 20;22(26):6254–9

Effect of aging on changes in substrate and effector levels of rat-liver glycolytic and lipogenic enzymes during induction. Fukuda H, et al. **Biochim Biophys Acta** 1984 Aug 15;795(1):79–84

Age-associated increase of free dolichol levels in mice. Pullarkat RK, et al. **Biochim Biophys Acta** 1984 May 11; 793(3):494–6

Intestinal cathepsin B and D activities of suckling rats. Davies PH, et al. **Biol Neonate** 1984;45(4):197–202

Postnatal development of rat kidney plasma membrane Na-K-ATPase. Dobrović-Jenik D, et al. **Biol Neonate** 1984;46(3):115–21

Cholesterol oxidation and 7 alpha-hydroxylation during postnatal development of the rat. Hahn P, et al. **Biol Neonate** 1984;46(1):48–52

Developmental pattern of DNA and proteins in brain, liver, lung and heart of rats given excess vitamin A postnatally. Shukla RR, et al. **Biol Neonate** 1983;44(4):243–50

Human information-processing: some effects of methylphenidate, age, and scopolamine. Callaway E. **Biol Psychiatry** 1984 May;19(5):649–62

Dexamethasone suppression test: experimental model in rats, and effect of age. Oxenkrug GF, et al. **Biol Psychiatry** 1984 Mar;19(3):413–6

Age-related neuropsychological deficits in Down's syndrome. Thase ME, et al. **Biol Psychiatry** 1984 Apr; 19(4):571–85

Decline in male mouse pheromone with age. Wilson MC, et al. **Biol Reprod** 1983 Aug;29(1):81–6

Protein synthesis and degradation during aging and senescence. Makrides SC. **Biol Rev** 1983 Aug;58(3):343–422 (635 ref.)

Effect of age on hematopoiesis in man. Lipschitz DA, et al. **Blood** 1984 Mar;63(3):502–9

Adult hemoglobins are synthesized in murine fetal hepatic erythropoietic cells. Wong PM, et al. **Blood** 1983 Dec; 62(6):1280–8

Age-related decline of human interferon alpha and interferon gamma production. Abb J, et al. **Blut** 1984 May;48(5):285–9

The influence of aging on the normal oral glucose tolerance. Guastamacchia E, et al. **Boll Soc Ital Biol Sper** 1983 Aug 30;59(8):1096–101

Influence of age on spinal anaesthesia with isobaric 0.5% bupivacaine. Pitkänen M, et al. **Br J Anaesth** 1984 Mar; 56(3):279–84

B16 melanoma development, NK activity cytostasis and natural antibodies in 3 and 12 month old mice. Ehrlich R, et al. **Br J Cancer** 1984 Jun;49(6):769–77

The pharmacokinetics of frusemide are influenced by age. Andreasen F, et al. **Br J Clin Pharmacol** 1983 Oct; 16(4):391–7

Factors affecting the response to inhibition of drug metabolism by cimetidine—dose response and sensitivity of elderly and induced subjects. Feely J, et al. **Br J Clin Pharmacol** 1984 Jan;17(1):77–81

Effect of age and plasma concentrations of albumin and alpha 1-acid glycoprotein on protein binding of disopyramide. Holt DW, et al. **Br J Clin Pharmacol** 1983 Sep;16(3):344–5

The role of cellular susceptibility in the declining severity of respiratory influenza of ferrets with age. Coates DM, et al. **Br J Exp Pathol** 1984 Feb;65(1):29–39

Normal variation in the length of the follicular phase of the menstrual cycle: effect of chronological age. Lenton EA, et al. **Br J Obstet Gynaecol** 1984 Jul;91(7):681–4

Normal tear protein profiles and age-related changes. McGill JI, et al. **Br J Ophthalmol** 1984 May;68(5):316–20

Influence of age, sex, pregnancy and protein-calorie malnutrition on the pharmacokinetics of salicylate in rats. Varma DR, et al. **Br J Pharmacol** 1984 May;82(1):241–8

Genetics, ageing and dementia. Wright AF, et al. **Br J Psychiatry** 1984 Jul;145:20–38

Plasma prolactin concentrations in a large population of healthy old people. Govoni S, et al. **Br Med J [Clin Res]** 1983 Oct 15;287(6399):1107

Association of plasma 5'-nucleotidase and alkaline phosphatase with production traits in chickens: effects of age and housing systems. Singh RP, et al. **Br Poult Sci** 1983 Oct;24(4):477–82

An approach to canine geriatrics. MacDougall DF, et al. **Br Vet J** 1984 Mar-Apr;140(2):115–23

Is there a non-synaptic component in the K+-stimulated release of GABA in the developing rat cortex? Balcar VJ, et al. **Brain Res** 1983 Nov;312(2):309–11

Molecular-weight profiles of immunoreactive corticotropin in the hypothalamus of the aging rat. Barnea A, et al. **Brain Res** 1982 Jan 28;232(2):355–63

A reduction in the concentration of immunoreactive corticotropin, melanotropin and lipotropin in the brain of the aging rat. Barnea A, et al. **Brain Res** 1982 Jan 28; 232(2):345–53

Variation in the frequency of complex forms of mitochondrial DNA in different brain regions of senescent mice. Bulpitt KJ, et al. **Brain Res** 1984 May 21;300(1):41–8

Changes in telencephalic catecholamine levels in the domestic chick. Effects of age and visual experience. Davies DC, et al. **Brain Res** 1983 Nov;312(2):251–5

Age-related alterations in dopamine and norepinephrine activity within microdissected brain regions of ovariectomized Long Evans rats. Estes KS, et al. **Brain Res** 1984 Apr 30;298(2):209–18

Daily rhythms of analgesia in mice: effects of age and photoperiod. Kavaliers M, et al. **Brain Res** 1983 Nov 21; 279(1–2):387–93

Nuclear envelope invaginations in hamster facial motor neurons during development and aging. LaVelle A, et al. **Brain Res** 1983 Nov;312(2):171–5

Studies of cerebral beta-hydroxybutyrate transport by carotid injection; effects of age, diet and injectant composition. Regen DM, et al. **Brain Res** 1983 Jul 25; 271(2):289–99

Senescent microstructural changes in rat cerebellum. Rogers J, et al. **Brain Res** 1984 Jan 30;292(1):23–32

Delayed loss of striatal dopamine receptors during aging of dietarily restricted rats. Roth GS, et al. **Brain Res** 1984 May 21;300(1):27–32

Corticosterone receptors decline in a site-specific manner in the aged rat brain. Sapolsky RM, et al. **Brain Res** 1983 Dec 19;289(1–2):235–40

Brain-specific ceramide synthesis activity: change during brain maturation and in jimpy mouse brain. Singh I, et al. **Brain Res** 1982 Jan 28;232(2):500–5

Diabetes-associated hypothalamic neuronal depopulation in the aging Chinese hamster. Smith-West C, et al. **Brain Res** 1983 Sep;285(3):385–9

Modified composition of major ontogenetically regulated mRNAs and proteins in the cerebellum of old and of staggerer mice. Soreq H, et al. **Brain Res** 1983 Oct; 312(1):73–82

Age-related decrease in apomorphine modulation of acetylcholine release from rat striatal slices. Thompson JM, et al. **Brain Res** 1984 May 7;299(1):169–73

Correlation of age and body weight with local cerebral glucose utilization in 8–14 week-old rats. Torbati D. **Brain Res** 1984 May 28;301(1):143–5

Age-related changes in the sleep pattern of male adult rats. Van Gool WA, et al. **Brain Res** 1983 Nov 21;279(1–2):394–8

Regeneration of central catecholamine fibers in young and aged rat brain. Phelps CJ, et al. **Brain Res Bull** 1983 Dec; 11(6):735–40

A study to assess the influence of age on the response of fathead minnows in static acute toxicity tests. Mayes MA, et al. **Bull Environ Contam Toxicol** 1983 Aug;31(2):139–47

Age-related loss of trabecular bone in premenopausal women: a biopsy study. Marcus R, et al. **Calcif Tissue Int** 1983 Jul;35(4–5):406–9

The influence of age and sex on bone resorption of secondary hyperparathyroidism in renal osteodystrophy. Meema HE, et al. **Calcif Tissue Int** 1984 Jan;36(1):25–30

Age-related structural changes in trabecular and cortical bone: cellular mechanisms and biomechanical consequences. Parfitt AM. **Calcif Tissue Int** 1984;36 Suppl 1:S123–8 (56 ref.)

Bone involution decrease in exercising middle-aged women. Smith EL Jr, et al. **Calcif Tissue Int** 1984;36 Suppl 1:S129–38

Collagen crosslinks in human dentin: increasing content of hydroxypyridinium residues with age. Walters C, et al. **Calcif Tissue Int** 1983 Jul;35(4–5):401–5

Effect of age on epinephrine-induced arrhythmias during halothane anaesthesia in pigs. Rao CC, et al. **Can Anaesth Soc J** 1984 Jan;31(1):20–3

Aging: its influence on the intestinal unstirred water layer thickness, surface area, and resistance in the unanesthetized rat. Hollander D, et al. **Can J Physiol Pharmacol** 1983 Dec; 61(12):1501–8

Age-dependent changes in electrophysiologic characteristics of fast and slow action potentials in rat papillary muscle. Kojima M, et al. **Can J Physiol Pharmacol** 1983 Dec; 61(12):1509–15

Effects of age on muscarinic cholinergic receptors in rat myocardium. Narayanan N, et al. **Can J Physiol Pharmacol** 1983 Aug;61(8):822–9

The aging physician and retirement. Grauer H, et al. **Can J Psychiatry** 1983 Nov;28(7):552–4

Contextual cues and release from proactive inhibition in young and old people. Moscovitch M, et al. **Can J Psychol** 1983 Sep;37(3):331–44

Aging of natural and acquired immunity of mice. I. Decreased natural killer cell function and hybrid resistance. Fitzgerald PA, et al. **Cancer Invest** 1983;1(1):15–24

Aging of natural and acquired immunity of mice. II. Decreased T cell responses to syngeneic tumor cells and parental-strain spleen cells. Fitzgerald PA, et al. **Cancer Invest** 1983;1(2):139–49

Age-dependent, seasonal and daily variations of the DNA damaging capacity of the hepatocarcinogen ZAMI 1305 in female rat liver. Ziliani S, et al. **Cancer Lett** 1984 Jul; 23(3):245–51

Autonomic nervous control of heart rate: sympathetic-parasympathetic interactions and age related differences. Mace SE, et al. **Cardiovasc Res** 1983 Sep; 17(9):547–52

Differential effects of age on mitotically active and inactive bone marrow stem cells and splenic T cells in mice. Akagawa T, et al. **Cell Immunol** 1984 Jun;86(1):53–63

The immune response of aged mice to influenza: diminished T-cell proliferation, interleukin 2 production and cytotoxicity. Effros RB, et al. **Cell Immunol** 1983 Oct 15; 81(2):298–305

Fetal thymic pre-T cells neither demonstrate nor develop natural killer cell activity. Miller SC. **Cell Immunol** 1984 Mar;84(1):194–9

Human autologous rosette-forming cells. I. Expression of cell surface antigens in relation to age and lymphoid organ distribution. Nalet V, et al. **Cell Immunol** 1983 Dec; 82(2):403–14

Influence of age on the ability of thymic adherent cells to produce factors in vitro which modulate immune responses of thymocytes. Sato K, et al. **Cell Immunol** 1984 Sep; 87(2):473–84

Strain differences in the development of auto-anti-idiotypic antibody regulation with age: genetic linkage to the Igh-C locus. Szewczuk MR. **Cell Immunol** 1984 Apr 1; 84(2):393–402

Succinic-D and myofibrillar ATP-A in the denervated gastrocnemius muscle of young, adult and middle-aged albino rats (Rattus norvegicus): a correlative histochemical and biochemical study. Talesara CL, et al. **Cell Mol Biol** 1983;29(6):531–7

Age-related decline of lymphoid-tissue components in the oral mucosa of the lip, cheek and soft palate of Macaca fascicularis. Schroeder HE, et al. **Cell Tissue Res** 1984; 235(1):195–9

Mitotic activity of prolactin cells in the pituitary glands of male and female rats of different ages. Takahashi S, et al. **Cell Tissue Res** 1984;235(3):497–502

Circulating beta-endorphin levels at various stages of life: possible connections with migraine pathogenesis. Genazzani AR, et al. **Cephalalgia** 1983 Aug;3 Suppl 1:35–41

Age- and sex-dependent variations of essential metal levels in tissues and responses to dextran sulfate treatment which induces zinc-thionein. Maitani T, et al. **Chem Pharm Bull (Tokyo)** 1983 Dec;31(12):4456–63

Short- and long-term determinants of baroreceptor function in aged normotensive and spontaneously hypertensive rats. Andresen MC. **Circ Res** 1984 Jun;54(6):750–9

Age-associated alterations in viscoelastic properties of canine aortic strips. Yin FC, et al. **Circ Res** 1983 Oct;53(4):464–72

Exercise cardiac output is maintained with advancing age in healthy human subjects: cardiac dilatation and increased stroke volume compensate for a diminished heart rate. Rodeheffer RJ, et al. **Circulation** 1984 Feb;69(2):203–13

Detection of myocardial infarct [letter] Shah VD. **Clin Chem** 1984 Aug;30(8):1430

Effects of age and alcohol abuse on pattern reversal visual evoked potentials. Kelley JT, et al. **Clin Electroencephalogr** 1984 Apr;15(2):102–9

Somatomedin levels in childhood, adolescence and adult life. Hall K, et al. **Clin Endocrinol Metab** 1984 Mar;13(1):91–112

A mixed longitudinal study of adrenal steroid excretion in childhood and the mechanism of adrenarche. Kelnar CJ, et al. **Clin Endocrinol (Oxf)** 1983 Jul;19(1):117–29

Cardiovascular studies in rats with respect to some functional and structural relationships of relevance in hypertension and ordinary aging. Folkow B, et al. **Clin Exp Hypertens [A]** 1984;6(1–2):587–98

Age associated changes in intracellular cyclic adenosine monophosphate. Birkenfeld A, et al. **Clin Exp Immunol** 1984 Mar;55(3):651–4

Gastrointestinal and liver function of old age. James OF. **Clin Gastroenterol** 1983 Sep;12(3):671–91

Immune capacity of the chicken bursectomized at 60 hr of incubation: cytoplasmic immunoglobulins and histological findings. Jalkanen S, et al. **Clin Immunol Immunopathol** 1984 Jan;30(1):41–50

The influence of age and sex on blood levels of calcium-regulating hormones in dogs. Meller Y, et al. **Clin Orthop** 1984 Jul-Aug;(187):296–9

Age-related decline in proprioception. Skinner HB, et al. **Clin Orthop** 1984 Apr;(184):208–11

Pathologic changes in aging sacroiliac joints. A study of dissecting-room skeletons. Stewart TD. **Clin Orthop** 1984 Mar;(183):188–96

Midazolam kinetics in women of two age groups. Avram MJ, et al. **Clin Pharmacol Ther** 1983 Oct;34(4):505–8

Age and ceftriaxone kinetics. Luderer JR, et al. **Clin Pharmacol Ther** 1984 Jan;35(1):19–25

Clonazepam serum protein binding during development. Pacifici GM, et al. **Clin Pharmacol Ther** 1984 Mar; 35(3):354–9

Is there a change in relative muscle fibre composition with age? Grimby G, et al. **Clin Physiol** 1984 Apr;4(2):189–94

Age-related changes in the abdominal aorta shown by computed tomography. Dixon AK, et al. **Clin Radiol** 1984 Jan;35(1):33–7

Contraception in the perimenopausal years. Need JA. **Clin Reprod Fertil** 1982 Dec;1(4):332–5 (13 ref.)

Cardiac sensitivity to isoprenaline, lymphocyte beta-adrenoceptors and age. Fitzgerald D, et al. **Clin Sci** 1984 Jun;66(6):697–9

Changes in gastric emptying rates with age. Horowitz M, et al. **Clin Sci** 1984 Aug;67(2):213–8

Adrenoceptor function and ageing. Kelly J, et al. **Clin Sci** 1984 May;66(5):509–15 (58 ref.)

The rising ventilatory cost of bicycle exercise in the seventh decade: a longitudinal study of nine healthy men. Patrick JM, et al. **Clin Sci** 1983 Nov;65(5):521–6

Artistic development in the dancer. McLain D. **Clin Sports Med** 1983 Nov;2(3):563–70

Submandibular gland secretory function in young adult and aged rats. Bodner L, et al. **Comp Biochem Physiol [A]** 1984; 77(2):235–8

Soft tissue potassium, magnesium, sodium and ash contents throughout the life span of highly inbred rats. McBroom MJ, et al. **Comp Biochem Physiol [A]** 1983;75(4):529–33

Effect of age-dependent changes on jejunal and ileal amino acid-sugar interaction in vivo. Vinardell MP, et al. **Comp Biochem Physiol [A]** 1984;78(2):363–6

Effects of nutrition and ontogeny on liver cytosolic and mitochondrial phosphoenolpyruvate carboxykinase activity of the rat, hamster, guinea-pig, pig, kid, calf and chick. Hamada T, et al. **Comp Biochem Physiol [B]** 1984; 77(3):547–50

Alterations in auditory processing of speech stimuli during aging in healthy subjects. Grady CL, et al. **Cortex** 1984 Mar;20(1):101–10

Spontaneous eye lesions in laboratory animals: incidence in relation to age. Taradach C, et al. **CRC Crit Rev Toxicol** 1984;12(2):121–47 (114 ref.)

Cytoskeletal proteins of the aging human lens. Maisel H, et al. **Curr Eye Res** 1984 Feb;3(2):369–81

Aqueous outflow in the beagle. I. Postnatal morphologic development of the iridocorneal angle: pectinate ligament and uveal trabecular meshwork. Samuelson DA, et al. **Curr Eye Res** 1984 Jun;3(6):783–94

Aqueous outflow in the beagle. II. Postnatal morphologic development of the iridocorneal angle: corneoscleral trabecular meshwork and angular aqueous plexus. Samuelson DA, et al. **Curr Eye Res** 1984 Jun;3(6):795–807

Activity of glutathione synthesis enzymes in human lens related to age. Sethna SS, et al. **Curr Eye Res** 1982–83; 2(11):735–42

Bacteria-immune system interactions. XII. Effects of aging on Balb/c mice responsiveness to Salmonella typhimurium. Kleinman R, et al. **Dev Comp Immunol** 1983 Summer; 7(3):555–62

Age-related changes in tetanic contraction of ventricular myocardium. Driscoll DJ, et al. **Dev Pharmacol Ther** 1984; 7(2):121–32

Age-dependent alterations in the accumulation of l-methadone in the brain synaptosomes and other subcellular fractions. Shah NS, et al. **Dev Pharmacol Ther** 1984;7(2):109–20

Short-term exposure to an odor increases its subsequent preference in preweanling rats: a descriptive profile of the phenomenon. Caza PA, et al. **Dev Psychobiol** 1984 Jul; 17(4):407–22

The response of young Peking ducklings to sibling distress calls. Gaioni SJ, et al. **Dev Psychobiol** 1983 Sep; 16(5):423–37

Brain growth in young mice: evidence on the theory of phrenoblysis. Hahn ME, et al. **Dev Psychobiol** 1983 Sep; 16(5):377–83

Haloperidol differentially potentiates tonic immobility, the dorsal immobility response, and catalepsy in the developing rat. Meyer ME, et al. **Dev Psychobiol** 1984 Jul;17(4):383–9

The influence of age and experience on salt preference of the rat. Midkiff EE, et al. **Dev Psychobiol** 1983 Sep; 16(5):385–94

Olfaction mediated developmental transition in the altricial newborn of selected species of mammals. Rosenblatt JS. **Dev Psychobiol** 1983 Sep;16(5):347–75

Changes in appetitive behavior in weanling-age rats: transitions from suckling to feeding behavior. Stoloff ML, et al. **Dev Psychobiol** 1983 Sep;16(5):439–53

Ontogeny of the behavioral effects of lysergic acid diethylamide in cats. Trulson ME, et al. **Dev Psychobiol** 1984 Jul;17(4):329–46

Age-related heterogeneity of insulin-dependent diabetes mellitus. Deschamps I, et al. **Diabete Metab** 1983 Dec; 9(4):259–63

Influence of aging on insulin receptor binding and metabolic effects of insulin on human adipose tissue. Bolinder J, et al. **Diabetes** 1983 Oct;32(10):959–64

Collagen aging in vitro by nonenzymatic glycosylation and browning. Kohn RR, et al. **Diabetes** 1984 Jan;33(1):57–9

The effects of aging and diabetes mellitus on human red and white cell calmodulin levels (chemotaxis/phagocytosis/calcium). Morley JE, et al. **Diabetes** 1984 Jan;33(1):77–80

Alcohol misuse and abuse among the elderly. Lamy PP. **Drug Intell Clin Pharm** 1984 Jul-Aug;18(7–8):649–51 (43 ref.)

Pulmonary absorption of drugs in the neonatal and adult guinea pig. Hemberger JA, et al. **Drug Metab Dispos** 1983 Nov-Dec;11(6):615–6

Age-related changes in benzo(a)pyrene metabolism and epoxide-metabolizing enzyme activities in rat skin. Mukhtar H, et al. **Drug Metab Dispos** 1983 Nov-Dec; 11(6):562–7

Characterization of age-related changes in hepatic drug metabolism in miniature swine. Peggins JO, et al. **Drug Metab Dispos** 1984 May-Jun;12(3):379–81

Comparison of speech perception skills in young and old listeners. Yanz JL, et al. **Ear Hear** 1984 May-Jun;5(3):134–7

Acoustic and morphologic study of the senescent voice. Mueller PB, et al. **Ear Nose Throat J** 1984 Jun;63(6):292–5

Developmental and aging changes in somatosensory, auditory and visual evoked potentials. Allison T, et al. **Electroencephalogr Clin Neurophysiol** 1984 Jul;58(1):14–24

Clinical application of the P3 component of event-related potentials. I. Normal aging. Pfefferbaum A, et al. **Electroencephalogr Clin Neurophysiol** 1984 Apr; 59(2):85–103

Aging and respond-withhold tasks: effects on sustained potentials, P3 responses and late activity. Podlesny JA, et al. **Electroencephalogr Clin Neurophysiol** 1984 Aug; 58(2):130–9

Histochemical location of 17 beta-hydroxysteroid oxidoreductase in the adult and infantile human testis. Oshima H, et al. **Endocrinol Jpn** 1983 Jun;30(3):367–72

The effects of the duration of severe hypothyroidism and aging on the metabolic clearance rate of thyrotropin (TSH) and the pituitary TSH response to TSH-releasing hormone. Connors JM, et al. **Endocrinology** 1984 May;114(5):1930–7

Dihydrotestosterone concentration of beagle prostatic tissue: effect of age and hyperplasia. Ewing LL, et al. **Endocrinology** 1983 Dec;113(6):2004–9

Lifelong dietary modulation of calcitonin levels in rats. Kalu DN, et al. **Endocrinology** 1983 Dec;113(6):2010–6

Age-dependent pattern of androgen-binding protein secretion from rat Sertoli cells in primary culture. Rich KA, et al. **Endocrinology** 1983 Dec;113(6):2284–93

Failure of prolactin short loop feedback mechanism to operate in old as compared to young female rats. Sarkar DK, et al. **Endocrinology** 1983 Oct;113(4):1452–8

Aging in the AXC rat: diminished prostatic S-adenosyl-L-methionine decarboxylase (AMDC) activity appears to reflect altered expression of the AMDC gene. Shain SA, et al. **Endocrinology** 1983 Oct;113(4):1292–8

Follicle-stimulating hormone activation of glycogen phosphorylase in the Sertoli cell-enriched rat testis. Slaughter GR, et al. **Endocrinology** 1983 Oct; 113(4):1476–85

Decreased ability of old male rats to secrete luteinizing hormone (LH) is not due to alterations in pituitary LH-releasing hormone receptors. Sonntag WE, et al. **Endocrinology** 1984 May;114(5):1657–64

Impaired ability of old male rats to secrete growth hormone in vivo but not in vitro in response to hpGRF(1–44). Sonntag WE, et al. **Endocrinology** 1983 Dec;113(6):2305–7

Estradiol-induced daily luteinizing hormone and prolactin surges in young and middle-aged rats: correlations with age-related changes in pituitary responsiveness and catecholamine turnover rates in microdissected brain areas.

Wise PM. **Endocrinology** 1984 Aug;115(2):801–9

Nuclear estradiol and cytosol progestin receptor concentrations in the brain and the pituitary gland and sexual behavior in ovariectomized estradiol-treated middle-aged rats. Wise PM, et al. **Endocrinology** 1984 Aug; 115(2):810–6

Developmental expression of the rat somatostatin gene. Zingg HH, et al. **Endocrinology** 1984 Jul;115(1):90–4

Age-related changes in activities of hepatic phosphofructokinase, pyruvate kinase and pyruvate dehydrogenase in liver and adipose tissue of the swiss albino mouse. Hron WT, et al. **Enzyme** 1983;30(2):83–8

Heart volume and the prevalence of certain common cardiovascular disorders at 70 and 75 years of age. Landahl S, et al. **Eur Heart J** 1984 Apr;5(4):326–31

Phosphagens and glycogen content in skeletal muscle after treadmill training in young and old rats. Bastien C, et al. **Eur J Applied Physiol** 1984;52(3):291–5

Muscle strength and functional capacity in 78–81-year-old men and women. Danneskiold-Samsøe B, et al. **Eur J Applied Physiol** 1984;52(3):310–4

Enzymatic adaptations to treadmill training in skeletal muscle of young and old rats. Sanchez J, et al. **Eur J Applied Physiol** 1983;52(1):69–74

Age-related growth and protein turnover in the thymus of normal and glucocorticoid-treated rats. Kelly FJ, et al. **Eur J Biochem** 1984 Feb 1;138(3):623–7

Cumulative effects of age and pathology on plasma carcinoembryonic antigen in an unselected elderly population. Touitou Y, et al. **Eur J Cancer Clin Oncol** 1984 Mar;20(3):369–74

Calcium malabsorption in the elderly: the effect of treatment with oral 25-hydroxyvitamin D3. Francis RM, et al. **Eur J Clin Invest** 1983 Oct;13(5):391–6

The place of animal models in gerontological research. Hollander CF. **Eur J Clin Invest** 1984 Jun;14(3):i–ii

Influence of age on serum protein binding of propranolol. Bendayan R, et al. **Eur J Clin Pharmacol** 1984;26(2):251–4

Acetylator phenotypes: effect of age. Gachályi B, et al. **Eur J Clin Pharmacol** 1984;26(1):43–5

Age differences in effects on blood pressure, flicker fusion frequency, salivation and pharmacokinetics of single oral doses of dothiepin and amitriptyline. Ogura C, et al. **Eur J Clin Pharmacol** 1983;25(6):811–4

Pharmacokinetics of aspirin and salicylate in elderly subjects and in patients with alcoholic liver disease. Roberts MS, et al. **Eur J Clin Pharmacol** 1983;25(2):253–61

The bioavailability and pharmacokinetics of cimetidine and its metabolites in juvenile cystic fibrosis patients: age related differences as compared to adults. Ziemniak JA, et al. **Eur J Clin Pharmacol** 1984;26(2):183–9

Analysis by limiting dilution of interleukin 2-producing T cells in murine ontogeny. Ishizaka ST, et al. **Eur J Immunol** 1983 Nov;13(11):936–42

Influence of age on quantitative sacro-iliac joint imaging. Dodig D, et al. **Eur J Nucl Med** 1984;9(4):177–9

Age-dependency of alpha- and beta-adrenoceptors on thrombocytes and lymphocytes of asthmatic and nonasthmatic children. Reinhardt D, et al. **Eur J Pediatr** 1984 Jun;142(2):111–6

An examination of age-related changes in pre- and postsynaptic alpha-adrenoceptors in the rat isolated vas deferens. Docherty JR, et al. **Eur J Pharmacol** 1983 Nov 25;95(3–4):171–6

Developmental changes in the effect of morphine, epinephrine and carbachol on plasma cyclic nucleotide level in rats. Muraki T, et al. **Eur J Pharmacol** 1983 Oct 28;94(3–4):203–9

Effects of aging on regulation of cerebral blood flow and metabolism. Abstracts. IInd Satellite Symposium, San Remo (Italy), 30th June, 1st July, 1983. **Eur Neurol** 1983; 22 Suppl 2:1–64

On the use of word association norms in aging research. Bowles NL, et al. **Exp Aging Res** 1983 Fall;9(3):175–7

Directional hearing in aging rats. Brown CH. **Exp Aging Res** 1984 Spring;10(1):35–8

Spatial knowledge of young and elderly adults: scene recognition from familiar and novel perspectives. Bruce PR, et al. **Exp Aging Res** 1983 Fall;9(3):169–73

Can age-related deficits in spatial memory be attenuated through the use of verbal coding? Clarkson-Smith L, et al. **Exp Aging Res** 1983 Fall;9(3):179–84

Assessing the noradrenergic system in normal aging: a review of methodology. Cutler NR, et al. **Exp Aging Res** 1983 Fall;9(3):123–7 (50 ref.)

Improvement of 8-arm maze performance in aged Fischer 344 rats with 3,4-diaminopyridine. Davis HP, et al. **Exp Aging Res** 1983 Fall;9(3):211–4

Delayed onset of persistent estrus in aged rats raised from parathyroidectomized mothers. Fujii T, et al. **Exp Aging Res** 1983 Fall;9(3):129–33

Long-term memory of a DRL task in mature and aged rats. Hamm RJ, et al. **Exp Aging Res** 1984 Spring;10(1):39–42

Meaningfulness and problem-solving performance by younger and older adults. Harber KD, et al. **Exp Aging Res** 1983 Summer;9(2):93–5

Physiological assays for biological age in mice: relationship of collagen, renal function, and longevity. Harrison DE, et al. **Exp Aging Res** 1983 Winter;9(4):245–51

Adults' mental rotation of spatial information: effects of age, sex and cerebral laterality. Herman JF, et al. **Exp Aging Res** 1983 Summer;9(2):83–5

The effects of aging and degree of association on the semantic priming of lexical decisions. Howard DV. **Exp Aging Res** 1983 Fall;9(3):145–51

Toward the behavioral assessment of biological aging in the laboratory mouse: concepts, terminology, and objectives. Ingram DK. **Exp Aging Res** 1983 Winter;9(4):225–38

Does aging differentially reduce heart rate variability related to respiration? Jennings JR, et al. **Exp Aging Res** 1984 Spring;10(1):19–23

Comparison of the effects of DHEA and food restriction on serum calcitonin. Kalu DN. **Exp Aging Res** 1984 Spring; 10(1):3–5

Memory [illegible] topics of conversation: adult age differences and intentionality. Kausler DH, et al. **Exp Aging Res** 1983 Fall; 9(3):153–7

The effects of light reinforcement and noise on young and old squirrel monkeys (Saimiri sciureus). Lorig TS, et al. **Exp Aging Res** 1983 Summer;9(2):97–100

The effect of age on hemispheric asymmetry in visual and auditory identification. Nebes RD, et al. **Exp Aging Res** 1983 Summer;9(2):87–91

The use of focused attention in visual search by young and old adults. Nebes RD, et al. **Exp Aging Res** 1983 Fall; 9(3):139–43

Do sex-role appropriate materials influence the Piagetian task performance of older adults? Newman JL, et al. **Exp Aging Res** 1983 Fall;9(3):197–202

The thickness of the glomerular basement membrane in irradiated and unirradiated Wistar rats and C-57 BL mice of different age groups. Pacheco IP, et al. **Exp Aging Res** 1983 Winter;9(4):221–4

Age-related preferences for paced and unpaced tasks in chained schedules of reinforcement. Perone M, et al. **Exp Aging Res** 1983 Fall;9(3):165–8

On subject selection in cognitive aging research. Poon LW, et al. **Exp Aging Res** 1984 Spring;10(1):43–9

The effects of orienting tasks on adult age differences in recall and recognition. Rankin JL, et al. **Exp Aging Res** 1983 Fall; 9(3):159–64

Visual manifestations of biological aging. Sekuler R, et al. **Exp Aging Res** 1983 Winter;9(4):253–5

Adult age differences in the use of story structure in delayed free recall. Smith SW, et al. **Exp Aging Res** 1983 Fall; 9(3):191–5

Effects of aging on the recall of extended expository prose. Surber JR, et al. **Exp Aging Res** 1984 Spring;10(1):25–8

The assessment of biological age and sex differences of human aging. Voitenko VP, et al. **Exp Aging Res** 1983 Winter; 9(4):239–44

Age differences in cued recall and recognition under varying encoding and retrieval conditions. West RL, et al. **Exp Aging Res** 1983 Fall;9(3):185–9

Postnatal development of spontaneous neuronal discharges in the pontine reticular formation of free-moving rats during sleep and wakefulness. Corner MA, et al. **Exp Brain Res** 1984;54(1):66–72

Alloreactive cytolytic T lymphocyte precursor cells in aged C57Bl/6 nu/nu mice: frequency and cell surface phenotype. Maryanski JL, et al. **Exp Cell Biol** 1984;52(1–2):21–4

Decrease of prolactin response to TRH during ageing in women. Felt V, et al. **Exp Clin Endocrinol** 1984 May; 83(3):364–6

Variation in proportion and molecular weight of native crystallins from single human lenses upon aging and formation of nuclear cataract. Bessems GJ, et al. **Exp Eye Res** 1983 Dec;37(6):627–37

Cataract and other ophthalmic lesions in senescence accelerated mouse (SAM). Morphology and incidence of senescence associated ophthalmic changes in mice. Hosokawa M, et al. **Exp Eye Res** 1984 Feb;38(2):105–14

Age-related changes in the retinal pigment epithelium of pigmented rats. Katz ML, et al. **Exp Eye Res** 1984 Feb; 38(2):137–51

Individual analysis of age-associated changes in reproductive activity and lifespan of Drosophila virilis. Aigaki T, et al. **Exp Gerontol** 1984;19(1):13–23

Age-related changes in thermoregulation in male albino rats. Balmagiya T, et al. **Exp Gerontol** 1983;18(3):199–210

Age and sex difference in serum and pituitary thyrotropin concentrations in the rat: influence by pituitary adenoma. Chen HJ. **Exp Gerontol** 1984;19(1):1–6

Mechanism of the age-related decline in lymphocyte proliferation: role of IL-2 production and protein synthesis. Cheung HT, et al. **Exp Gerontol** 1983;18(6):451–60

Age-related changes in non-enzymatic glycosylation of human basement membranes. Cohen MP, et al. **Exp Gerontol** 1983;18(6):461–9

Age-related changes in sulfation of basement membrane glycosaminoglycans. Cohen MP, et al. **Exp Gerontol** 1983; 18(6):447–50

Differential effects of dietary caloric and protein restriction in the aging rat. Davis TA, et al. **Exp Gerontol** 1983; 18(6):427–35

Age-dependent changes of protein structure. The properties of young and old rabbit aldolase are restored after reversible denaturation. Demchenko AP, et al. **Exp Gerontol** 1983;18(6):437–46

Biological age and its estimation. III. Introduction of a correction to the multiple regression model of biological age in cross-sectional and longitudinal studies. Dubina TL, et al. **Exp Gerontol** 1984;19(2):133–43

Age-synchronous culture of Caenorhabditis elegans: technique and applications. Findeis PM, et al. **Exp Gerontol** 1983;18(4):263–75

Increased intestinal absorption of oleic acid with aging in the rat. Hollander D, et al. **Exp Gerontol** 1983;18(4):287–92

Human collagen digestion: II. Theoretical model and application to data. Holton JS, et al. **Exp Gerontol** 1983; 18(6):485–95

Human collagen digestion: I. Nature of the digestion kinetics as a function of age and structure. Holton JS, et al. **Exp Gerontol** 1983;18(6):477–83

The skin temperature gradient in the upper limbs of old women. Howell TH. **Exp Gerontol** 1983;18(4):255–61

Motor performance achievements in rats of different ages. Jänicke B, et al. **Exp Gerontol** 1983;18(5):393–407

Age-related protein changes in the banana fruitfly. Jit I, et al. **Exp Gerontol** 1983;18(5):365–73

Age-dependent changes of hormone-stimulated gluconeogenesis in isolated rat hepatocytes. Kmieć Z, et al. **Exp Gerontol** 1983;18(3):173–84

Age-related changes in the water and electrolyte metabolism in male rats of the Wistar/TW strain. Kobayashi Y, et al. **Exp Gerontol** 1984;19(2):107–13

The significance of facial skin temperature differences in an elderly female chronic mental hospital population. McDonald C, et al. **Exp Gerontol** 1983;18(4):303–4

Iron accumulation and lipid peroxidation in aging C57BL/6J mice. Massie HR, et al. **Exp Gerontol** 1983;18(4):277–85

Age-related changes in amino acid pool sizes in the adult silkmoth, Bombyx mori, reared at low and high temperature; a biochemical examination of the rate-of-living theory and urea accumulation when reared at high temperature. Osanai M, et al. **Exp Gerontol** 1984; 19(1):37–51

Lifespan and protein synthesis in several Bombyx mori mutants with genetic abnormalities in amino acid and protein metabolism. Osanai M. **Exp Gerontol** 1983; 18(5):383–91

Orthotopic ovarian transplantation in young and aged CBA mice. Parkening TA, et al. **Exp Gerontol** 1984;19(1):53–61

Ageing of hamster embryo fibroblasts as the result of both differentiation and stochastic mechanisms. Raes M, et al. **Exp Gerontol** 1983;18(3):223–40

Age-related effects of nutritional vitamin B6 deficiency on B6-dependent enzymes of glutamate, gamma-aminobutyrate and glutamine systems in the rat brain. Rajeswari TS, et al. **Exp Gerontol** 1984;19(2):87–93

Effect of centrophenoxine on the antioxidative enzymes in various regions of the aging rat brain. Roy D, et al. **Exp Gerontol** 1983;18(3):185–97

Age-dependent changes in rat liver microsomal NADPH cytochrome C (P-450) reductase: a kinetic analysis. Schmucker DL, et al. **Exp Gerontol** 1983;18(4):313–21

A comparison of life span characteristics in Drosophila. Schnebel EM, et al. **Exp Gerontol** 1983;18(5):325–37

Body temperature of C57BL/6J mice with age. Talan M. **Exp Gerontol** 1984;19(1):25–9

An improved cold stress test for aging mice. Talan M, et al. **Exp Gerontol** 1984;19(2):79–86

Age-related functional alteration of mouse liver ribosomes. Vandenhaute J, et al. **Exp Gerontol** 1983;18(5):355–63

Age dependent changes on jejunal sugar absorption by rat in vivo. Vinardell P, et al. **Exp Gerontol** 1984;19(2):73–7

Age-differences in choline acetyltransferase activities and muscarinic receptor binding in brain regions of C57BL/6J mice. Waller SB, et al. **Exp Gerontol** 1983;18(6):419–25

Aging changes in the kidneys of two poeciliid fishes, the guppy Poecilia reticulatus and the Amazon molly P. formosa. Woodhead AD, et al. **Exp Gerontol** 1983; 18(3):211–21

Age and oxygen toxicity related fluorescence in the honey bee thorax. Young RG, et al. **Exp Gerontol** 1983;18(6):471–5

The effect of aging on vasopressin system in Fisher 344 rats. Zbuzek VK, et al. **Exp Gerontol** 1983;18(4):305–11

The effect of donor and cell age on several characteristics of rat erythrocytes. Glass GA, et al. **Exp Hematol** 1983 Nov;11(10):987–95

Age-related decline in lysosomal enzyme release from polymorphonuclear leukocytes after N-formyl-methionyl-leucyl-phenylalanine stimulation. Suzuki K, et al. **Exp Hematol** 1983 Nov;11(10):1005–13

Touch dome properties as a function of age. Leon J, et al. **Exp Neurol** 1984 May;84(2):274–82

Factors governing speed of action potential conduction and neuromuscular transmission in aged rats. Smith DO, et al. **Exp Neurol** 1984 Feb;83(2):358–66

Populations of megahepatocytes and minihepatocytes and their components in livers of old rats. David H. **Exp Pathol** 1983;24(2–3):77–82

Effect of host age on the expression of acquired resistance to ticks. Brown SJ. **Experientia** 1984 Feb 15;40(2):199–200

Distribution and number of fluorescent granular perithelial cells in coronal sections of rats cerebrum. Mato M, et al. **Experientia** 1983 Dec 15;39(12):1374–6

Age-related response of citrate synthase to hydrocortisone in the liver and brain of male rats. Sharma R, et al. **Experientia** 1984 Jan 15;40(1):97–8

Changes in rat ventricular myosin in old age. Syrový I. **Experientia** 1984 Jan 15;40(1):99–100

Age and semen characteristics [letter] Sloan DG. **Fertil Steril** 1984 Jan;41(1):161–2

The acid phosphatase activity in lymphocytes with regard to the ontogenetic development of man. Moszczyński P,

et al. **Folia Haematol (Leipz)** 1983;110(3):360–5
Weight measurements of infant and adult intrinsic laryngeal muscles. Kahane JC, et al. **Folia Phoniatr (Basel)** 1984; 36(3):129–33
Listening preferences for music as a function of age. Tolhurst GC, et al. **Folia Phoniatr (Basel)** 1984;36(2):93–100
Binocular depth perception in normal adults and its early development. Julesz B. **Fortschr Ophthalmol** 1983; 80(5):378–83
Dietary and age influence on the pharmacokinetic parameters of 2–acetylaminofluorene in BALB/c mice. Young JF, et al. **Fundam Appl Toxicol** 1984 Apr;4(2 Pt 1):164–9
Digestive disease and aging: past neglect and future promise [editorial] Holt PR. **Gastroenterology** 1983 Dec; 85(6):1434–6
Lipid composition and membrane fluidity in the small intestine of the developing rabbit. Schwarz SM, et al. **Gastroenterology** 1984 Jun;86(6):1544–51
Changes in glutathione and glutathione metabolizing enzymes in erythrocytes and lymphocytes of mice as a function of age. Stohs SJ, et al. **Gen Pharmacol** 1984;15(3):267–70
Age–dependent changes in rat testicular LH/hCG receptors in relation to the membrane fluidity. Kolena J, et al. **Gen Physiol Biophys** 1984 Feb;3(1):89–92
Diabetes in the elderly: diagnosis and epidemiology. Bennett PH. **Geriatrics** 1984 May;39(5):37–41
Adverse drug reactions in the elderly. Berlinger WG, et al. **Geriatrics** 1984 May;39(5):45–6, 50–2, 57–8
Correlating thyroid and parathyroid function with age. Coodley EL, et al. **Geriatrics** 1984 May; 39(5):99–101,104,106–7 passim
Diabetes in the elderly: not just 'normal aging' [editorial] DeFronzo RA, et al. **Geriatrics** 1984 May;39(5):16, 19
GI problems in the elderly. Eastwood GL. **Geriatrics** 1984 May;39(5):59–60, 64, 69–70 passim
Peripheral neuropathies: a common complaint in older patients. Fisher MA. **Geriatrics** 1984 Feb;39(2):115–7, 121–9
Movement disorders in the elderly. Gilmore R. **Geriatrics** 1984 Jun;39(6):65–8, 72–6
Cancer: special considerations in older patients. Hall SW. **Geriatrics** 1984 Jul;39(7):74–5, 77–8
The elderly heart: special signs and symptoms to watch for. Hitzhusen JC, et al. **Geriatrics** 1984 Jun;39(6):38–51
Nutrition, aging and the skin. Neldner KH. **Geriatrics** 1984 Feb;39(2):69–82, 87–8
Sleep disturbances in the elderly. Quan SF, et al. **Geriatrics** 1984 Sep;39(9):42–7
Effects of age on common laboratory tests. Rock RC. **Geriatrics** 1984 Jun;39(6):57–60
Pituitary–gonadal function in the aging male: the male climacteric. Valenta LJ, et al. **Geriatrics** 1983 Dec; 38(12):67–72
Osteoarthritis: practical management in older patients. Wigley FM. **Geriatrics** 1984 Mar;39(3):101–3, 106–7, 111–2, passim
What is aging? Highlights of a 25–year study. Zoler ML. **Geriatrics** 1984 Aug;39(8):85–7
The latest research findings on immunosenescence. Zoler ML. **Geriatrics** 1983 Oct;38(10):131, 134, 138–41
BAAM: a better beta–blocker—and more? Zoler ML. **Geriatrics** 1984 Jan;39(1):106, 9
Diet restriction: new clues to slow the aging process? Zoler ML. **Geriatrics** 1984 Feb;39(2):130, 139–44
Biological aspects of aging: two models of teaching. Boly EL. **Gerontol Geriatr Educ** 1983 Fall;4(1):75–81
Nontraditional study of aging in a university setting. Brown JP, et al. **Gerontol Geriatr Educ** 1983 Fall;4(1):45–52
Educational backgrounds of older college student auditors: some exploratory findings. Covey HC. **Gerontol Geriatr Educ** 1983 Summer;3(4):271–6
Histology of aging: central nervous system. Gilloteaux J, et al. **Gerontol Geriatr Educ** 1984 Spring;4(3):81–97
Histology of aging: adipose tissues. Gilloteaux J, et al. **Gerontol Geriatr Educ** 1983 Winter;4(2):107–11
Histology of aging. IV. Cartilage and bone tissues. Gilloteaux J, et al. **Gerontol Geriatr Educ** 1983 Summer;3(4):313–9
'Step on a crack, break an old man's back': learning assignments for social work students in the field of aging. Greene RR. **Gerontol Geriatr Educ** 1983 Summer; 3(4):307–12
Higher education's pursuit of the lifelong learner. Hendricks J. **Gerontol Geriatr Educ** 1983 Summer;3(4):253–8
30th annual meeting of the Gerontological Society. San Francisco, California, November 18–22, 1977. Abstracts. **Gerontologist** 1977 Oct;17(5 Pt 2):1–174
31st annual scientific meeting of the Gerontological Society. Dallas, Texas, November 16–20, 1978. Abstracts. **Gerontologist** 1978;:1–180
36th annual scientific meeting of the Gerontological Society of America. November 18–22, 1983, San Francisco, California. Abstracts. **Gerontologist** 1983 Oct;23 Spec No:61–323
Survey research in the study of aging and adult development: a commentary. Cutler SJ. **Gerontologist** 1979 Apr; 19(2):217–9
Isolation and the symptoms of chronic brain syndrome. Ernst P, et al. **Gerontologist** 1978 Oct;18(5 Pt 1):468–74 (53 ref.)
Palmore's Facts on Aging Quiz: a reappraisal. Holtzman JM, et al. **Gerontologist** 1979 Feb;19(1):116–20
Growing older male: heterosexual and homosexual. Laner MR. **Gerontologist** 1978 Oct;18(5 Pt 1):496–501
The management of research in aging: a case study in science policy. Lebowitz BD. **Gerontologist** 1979 Apr;19(2):151–7
Reevaluation of the aging and modernization theory: the Samoan evidence. Rhoads EC. **Gerontologist** 1984 Jun; 24(3):243–50
Economic pressures resulting from aging of kibbutz society. Shomaker D. **Gerontologist** 1984 Jun;24(3):313–7
The marginality and salience of being old: when is age relevant? Ward RA. **Gerontologist** 1984 Jun;24(3):227–32
Connective tissue in aging lung. Andreotti L, et al. **Gerontology** 1983;29(6):377–87
Alteration of activity of nuclear envelope nucleoside triphosphatase in quail oviduct and liver in dependence on physiological factors. Bernd A, et al. **Gerontology** 1983; 29(6):394–8
Murine regional brain monoamine oxidase activity: time– and age–dependent response to inhibitors. Bhaskaran D, et al. **Gerontology** 1984;30(2):87–93
Pharmacokinetics of sulfisoxazole in young and elderly subjects. Boisvert A, et al. **Gerontology** 1984;30(2):125–31
Age–related changes in aldehyde reductase activity of rat brain, liver and heart. Cao Danh H, et al. **Gerontology** 1984; 30(3):159–66
Alterations of the capping phenomenon on lymphocytes from aged and Down's syndrome subjects. Chiricolo M, et al. **Gerontology** 1984;30(3):145–52
Changes in cell density within the human hippocampal formation as a function of age. Devaney KO, et al. **Gerontology** 1984;30(2):100–8
Autoregulation of cerebral blood flow in young and aged spontaneously hypertensive rats (SHR). Fujishima M, et al. **Gerontology** 1984;30(1):30–6
Exocrine pancreatic function in the elderly. Gullo L, et al. **Gerontology** 1983;29(6):407–11
Characteristics of the phagocytically induced respiratory burst in leukocytes from young adult and aged beagle dogs. Johnson DD, et al. **Gerontology** 1984;30(3):167–77
Fever in the elderly. Production of leukocytic pyrogen by monocytes from elderly persons. Jones PG, et al. **Gerontology** 1984;30(3):182–7
Protein phosphotransferases from liver of ageing rats. Kumar R, et al. **Gerontology** 1984;30(1):37–48
Copper–zinc and manganese superoxide dismutase activities in cardiac and skeletal muscles during aging in male rats. Lammi–Keefe CJ, et al. **Gerontology** 1984;30(3):153–8
A longitudinal study of the effects of age on spontaneous locomotor activity in Drosophila melanogaster. Le Bourg E, et al. **Gerontology** 1984;30(2):79–86
Aging and habituation of the tarsal response in Drosophila melanogaster. Le Bourg E. **Gerontology** 1983;29(6):388–93
Simultaneous study of haemodynamic, metabolic and behavioural sequelae in a model of cerebral ischaemia in aged rats: effects of nicergoline. Le Poncin–Lafitte M, et al. **Gerontology** 1984;30(2):109–19
The activity of nucleolar organizer regions of human chromosomes in extreme old age. Lezhava TA. **Gerontology** 1984;30(2):94–9
Different effects of ageing on the mechanical properties of human arm and leg muscles. McDonagh MJ, et al. **Gerontology** 1984;30(1):49–54
Role of aging in lipid metabolism in the aorta of rats. Morisaki N, et al. **Gerontology** 1984;30(1):13–21
Evaluation of tuberoinfundibular dopamine function by neuropharmacologic means in old male rats. Novelli A, et al. **Gerontology** 1983 Nov–Dec;29(6):362–9
Age and sex differences in immunocompetence. Oyeyinka GO. **Gerontology** 1984;30(3):188–95 (72 ref.)
Differential effects of a list–learning mnemonic in three age groups. Rose TL, et al. **Gerontology** 1983;29(5):293–8
Age–related changes in nucleic acids and protein in Callosobruchus maculatus Fabr. (Coleoptera). Sharma SP, et al. **Gerontology** 1984;30(1):26–9
Lysozyme and other measures of immunity in young, mature, and aged rats. Sherman AR, et al. **Gerontology** 1984; 30(2):120–4
Falls among elderly hypertensives—are they iatrogenic? Stegman MR. **Gerontology** 1983;29(6):399–406
Properties of purified tyrosine aminotransferase from adult and senescent rat liver. Szajnert MF, et al. **Gerontology** 1983;29(5):311–9
Examination of the energetics of aging skeletal muscle using nuclear magnetic resonance. Taylor DJ, et al. **Gerontology** 1984;30(1):2–7
Properties of ATPases and energy–rich phosphates in erythrocytes of young and old individuals. Vömel T. **Gerontology** 1984;30(1):22–5
Effect of donor age on inter– and intrachromosomal distribution of sister chromatid exchanges in cultured human lymphocytes. Vormittag W. **Gerontology** 1983; 29(6):370–6
Age changes of isoelectric points of the molecular forms of tyrosine aminotransferase from rat liver. Wagner AP, et al. **Gerontology** 1983;29(5):299–304
Age and sex variations of bone matrix proteins in Wistar rats. Mbuyi–Muamba JM, et al. **Growth** 1983 Autumn; 47(3):301–15
An age–dependent model of tritium metabolism following mixed (organic/inorganic) intakes. Crawford–Brown DJ. **Health Phys** 1984 Apr;46(4):924–8
A unified approach to age–dependent metabolic modeling. Crawford–Brown DJ. **Health Phys** 1984 Apr;46(4):809–32
Relation of age to lymphocyte radiosensitivity in vitro. Knox SJ, et al. **Health Phys** 1984 Feb;46(2):431–4
The effects of aging on sexuality. Hobson KG. **Health Soc Work** 1984 Winter;9(1):25–35
Age–related structural investigation of the Bronx waltzer mutant mouse cochlea: scanning and transmission electron microscopy. Lenoir M, et al. **Hear Res** 1984 Feb; 13(2):123–34
Perspectives on exercise and aging. Holm K, et al. **Heart Lung** 1984 Sep;13(5):519–24 (47 ref.)
Distribution of 35S–taurine in rat neonates and adults. A whole–body autoradiographic study. Shimada M, et al. **Histochemistry** 1984;80(3):225–30
Sexual behavior and serum hormone levels in aging rhesus males: effects of environmental change. Phoenix CH, et al. **Horm Behav** 1984 Jun;18(2):206–15
Fetal effects on sexual behavior and aggression in young and old female mice treated with estrogen and testosterone. Rines JP, et al. **Horm Behav** 1984 Jun;18(2):117–29
Change of skeletal muscles pyruvate dehydrogenase complex activities in congenital diabetic mice (KK mice) by aging or contraction. Imura M, et al. **Horm Metab Res** 1983 Aug; 15(8):373–6
Age–related decrease in sensitivity to glucagon and dibutyryl cyclic AMP inhibition of fatty acid synthesis in hepatocytes isolated from obese female Zucker rats. McCune SA, et al. **Horm Metab Res** 1984 Feb;16(2):79–84
Role of longitudinal change and secular trend in age differences in male body dimensions. Borkan GA, et al. **Hum Biol** 1983 Sep;55(3):629–41
Increments across age in body composition for children 10 to 18 years of age. Chumlea WC, et al. **Hum Biol** 1983 Dec;55(4):845–52
Body build and age in relation to thyroid function tests in adult women. Polednak AP. **Hum Biol** 1983 Dec; 55(4):853–65
Modal logic: a new paradigm of development and late–life potential. Chinen AB. **Hum Dev** 1984;27(1):42–56
History, narrative, and life–span developmental knowledge. Freeman M. **Hum Dev** 1984;27(1):1–19
Maternal ageing and aneuploid embryos—evidence from the mouse that biological and not chronological age is the important influence. Brook JD, et al. **Hum Genet** 1984; 66(1):41–5
Blood pressure levels of Rellis (India) with special reference to variations with age. Rao RS. **Hum Hered** 1983; 33(5):287–90
T cell cultures and the Hayflick limit. Effros RB, et al. **Hum Immunol** 1984 Jan;9(1):49–65
The effect of age on the number of pituitary cells immunoreactive to growth hormone and prolactin. Sun YK, et al. **Hum Pathol** 1984 Feb;15(2):169–80
Effect of hypoxia on external respiratory function in old age. Ivanov LA. **Hum Physiol** 1983 Mar–Apr;9(2):126–33
Effect of adrenalin on energy metabolism in young and old people. Korkushko OV, et al. **Hum Physiol** 1982 Nov–Dec; 8(6):432–8
Concurrent validity studies of blood pressure instrumentation. The Philadelphia Blood Pressure Project. Barker WF, et al. **Hypertension** 1984 Jan–Feb;6(1):85–91
Increased plasma norepinephrine in young patients with essential hypertension under three sodium intakes. Masuo K, et al. **Hypertension** 1984 May–Jun;6(3):315–21
Ontogeny of neural and non–neural contributions to arterial blood pressure in spontaneously hypertensive rats. Smith PG, et al. **Hypertension** 1984 Jan–Feb;6(1):54–60
Role of age in host sensitivity to carcinogens. Anisimov VN. **IARC Sci Publ** 1983;51:99–112 (96 ref.)
The human thymus in ageing: histologic involution paralleled by increased mitogen response and by enrichment of OKT3+ lymphocytes. Baroni CD, et al. **Immunology** 1983 Dec;50(4):519–28
Altered lymphocyte recognition repertoire during ageing. III. Changes in MHC restriction patterns in parental T lymphocytes and diminution in T suppressor function. Gorczynski RM, et al. **Immunology** 1984 Aug;52(4):611–20
Ontogeny of 'macrophage' function. IV. Newborn mouse macrophages strongly suppress tumour cell growth and readily acquire cytolytic activity in comparison with adult macrophages. Ido M, et al. **Immunology** 1984 Jun; 52(2):307–17
Interleukin–2–induced activation of natural killer activity in spleen cells from old and young mice. Saxena RK, et al. **Immunology** 1984 Apr;51(4):719–26
Local and systemic immune response in aged hamsters. Smith DJ, et al. **Immunology** 1983 Nov;50(3):407–13
Frequencies of background cytoplasmic Ig–containing cells in various lymphoid organs of athymic and euthymic mice as a function of age and immune status. Van Oudenaren A, et al. **Immunology** 1984 Apr;51(4):735–42
Alterations in lymphocyte recognition repertoire during ageing. I. Analysis of changes in immune response potential of B lymphocytes from non–immunized aged mice, and the role of accessory cells in the expression of that potential. Gorczynski RM, et al. **Immunopharmacology** 1984 Jun; 7(3–4):179–94
Maximal ventilation in healthy subjects of different age, sex and physical condition. Mohan Kumar T, et al. **Indian J Chest Dis Allied Sci** 1983 Jul–Sep;25(3):196–203
Preliminary study of age changes in Gujarati (Indian) pubic bones. Pal GP, et al. **Indian J Med Res** 1983 Nov; 78:694–701
Influence of age on motor nerve conduction. Ganeriwal SK, et al. **Indian J Physiol Pharmacol** 1983 Oct–Dec;

27(4):337–41

Age-dependent changes of the Fc gamma-receptor-mediated functions of human monocytes. Fülöp T, et al. **Int Arch Allergy Appl Immunol** 1984; 74(1):76–9

Age-associated changes of the characteristics of autoantibody-forming cells in NZB/W mice. Terada E, et al. **Int Arch Allergy Appl Immunol** 1984;74(3):206–10

Cholera toxin-binding T cells in the human peripheral blood at different ages. Tsuru S. **Int Arch Allergy Appl Immunol** 1984;73(1):86–8

Age-induced changes in the oral mucosa and their therapeutic consequences. Breustedt A. **Int Dent J** 1983 Sep;33(3):272–80

The physiology and pathophysiology of ageing. Hofecker G. **Int Dent J** 1983 Sep;33(3):251–61

Age-induced changes in the teeth and their attachment apparatus. Ketterl W. **Int Dent J** 1983 Sep;33(3):262–71

The fifty-year-old woman and midlife stress. Campbell S. **Int J Aging Hum Dev** 1983–84;18(4):295–307

Forgetting and use of memory aids in 20 to 70 year olds everyday life. Cavanaugh JC, et al. **Int J Aging Hum Dev** 1983;17(2):113–22

The Modified Purpose in Life Scale: a Cross-National Validity Study. Chang RH, et al. **Int J Aging Hum Dev** 1983–84;18(3):207–17

A comparison of sex role and related personality traits in young, middle-aged, and older women. Erdwins CJ, et al. **Int J Aging Hum Dev** 1983;17(2):141–52

Differential aging: an exploratory approach using cluster analysis. Ford G, et al. **Int J Aging Hum Dev** 1983–84; 18(2):141–57

Temporal and status dimensions of life cycles. Fry CL. **Int J Aging Hum Dev** 1983;17(4):281–300

Yoga as a preventive health care program for white and black elders: an exploratory study. Haber D. **Int J Aging Hum Dev** 1983;17(3):169–76

How often do adults recall their dreams? Herman S, et al. **Int J Aging Hum Dev** 1983–84;18(4):243–54

The situational relationship between age and the fear of crime. Jeffords CR. **Int J Aging Hum Dev** 1983; 17(2):103–11

Informal support resources for vulnerable elderly persons: can they be counted on, why do they work? Morris JN, et al. **Int J Aging Hum Dev** 1983–84;18(2):81–98

Life stage and motives for television use. Ostman RE, et al. **Int J Aging Hum Dev** 1983;17(4):315–22

Age, skill, and management. Singleton WT. **Int J Aging Hum Dev** 1983;17(1):15–23

How important is marital fairness over the lifespan? Traupmann J, et al. **Int J Aging Hum Dev** 1983;17(2):89–101

Social skill and aging: principles and problems. Welford AT. **Int J Aging Hum Dev** 1983;17(1):1–5

The influence of age on Leydig cell function in patients with varicocele. Andò A, et al. **Int J Androl** 1984 Apr; 7(2):104–18

Single injection techniques in determining age-related changes in porcine renal function. Robbins ME. **Int J Appl Radiat Isot** 1984 Feb;35(2):85–91

The relation of age to the thickness of the interventricular septum, the posterior left ventricular wall and their ratio. Marcomichelakis J, et al. **Int J Cardiol** 1983 Nov-Dec; 4(4):405–19

Aging and atrial electrophysiologic properties in man. Michelucci A, et al. **Int J Cardiol** 1984 Jan;5(1):75–81

In vivo studies of the evolution of physical properties of the human skin with age. Leveque JL, et al. **Int J Dermatol** 1984 Jun;23(5):322–9

Women and the economics of aging. Estes CL, et al. **Int J Health Serv** 1984;14(1):55–68

EEG activity in the 13–15 Hz band correlates with intelligence in healthy elderly women. Patterson MB, et al. **Int J Neurosci** 1983 Sep;20(3–4):161–71

Effects of age on diet-induced thermogenesis and brown adipose tissue metabolism in the rat. Rothwell NJ, et al. **Int J Obes** 1983;7(6):583–9

The radiosensitivity of the guinea-pig spinal cord to X-rays: the effect of retreatment at one year and the effect of age at the time of irradiation. Knowles JF. **Int J Radiat Biol** 1983 Nov;44(5):433–42

Aging human RPE: morphometric analysis of macular, equatorial, and peripheral cells. Feeney-Burns L, et al. **Invest Ophthalmol Vis Sci** 1984 Feb;25(2):195–200

The search for a solution to senile cataracts. Proctor lecture. Spector A. **Invest Ophthalmol Vis Sci** 1984 Feb; 25(2):130–46

Red blood cell and serum selenium concentrations as influenced by age and selected diseases. Miller L, et al. **J Am Coll Nutr** 1983;2(4):331–41

Changes in vitamin E concentrations in human plasma and platelets with age. Vatassery GT, et al. **J Am Coll Nutr** 1983;2(4):369–75

41st annual meeting of the American Geriatrics Society in association with 5th annual meeting of the American Federation for Aging Research. Denver, Colorado, May 15–18, 1984. Abstracts. **J Am Geriatr Soc** 1984 Apr;32(4 Suppl):S12–31

Aggressive chemotherapy for diffuse histiocytic lymphoma in the elderly: increased complications with advancing age. Armitage JO, et al. **J Am Geriatr Soc** 1984 Apr; 32(4):269–73

The Willard Thompson lecture. Interesting aspects of the aging process. Burch GE. **J Am Geriatr Soc** 1983 Dec; 31(12):766–79

Bronchogenic cancer, metastases, and aging. Ershler WB, et al. **J Am Geriatr Soc** 1983 Nov;31(11):673–6

Infectious diseases and aging: immunologic perspectives. Felser JM, et al. **J Am Geriatr Soc** 1983 Dec;31(12):802–7 (99 ref.)

Bone changes and aortic calcification in aging inhabitants of mountain versus seacoast communities in the Kii Peninsula. Fujita T, et al. **J Am Geriatr Soc** 1984 Feb; 32(2):124–8

Effect of aging on the clinical significance of fever in ambulatory adult patients. Keating HJ 3d, et al. **J Am Geriatr Soc** 1984 Apr;32(4):282–7

Adipocyte hormone responsiveness and aging in the rat: problems in the interpretation of aging research. Kirkland JL, et al. **J Am Geriatr Soc** 1984 Mar;32(3):219–28 (106 ref.)

Food restriction and the aging process. Masoro EJ. **J Am Geriatr Soc** 1984 Apr;32(4):296–300

Drug disposition in the elderly: a review of the critical factors. Schmucker DL. **J Am Geriatr Soc** 1984 Feb; 32(2):144–9

Biomedical aging research in 1983: some highlights. Schneider EL. **J Am Geriatr Soc** 1984 Apr;32(4):293–5 (17 ref.)

Neurotransmitter receptors and aging. Severson JA. **J Am Geriatr Soc** 1984 Jan;32(1):24–7

Effects of aging on cerebral blood flow in dementia. Tachibana H, et al. **J Am Geriatr Soc** 1984 Feb;32(2):114–20

Brain atrophy during aging: a quantitative study using computed tomography. Takeda S, et al. **J Am Geriatr Soc** 1984 Jul;32(7):520–4

A two-year longitudinal reference range study for selected serum enzymes in a population more than 60 years of age. Tietz NW, et al. **J Am Geriatr Soc** 1984 Aug;32(8):563–70

Longevity and aging research: an analysis of the reality [editorial] Wright IS, et al. **J Am Geriatr Soc** 1984 Feb; 32(2):91

Women and aging. Ory MG. **J Am Med Wom Assoc** 1984 May-Jun;39(3):99–101, 105

Scrotal circumference adjustment for differences due to age of beef bulls. Vogt DW, et al. **J Am Vet Med Assoc** 1984 May 1;184(9):1125–6

Quantitative study of taste buds in fungiform and circumvallate papillae of young and aged rats. Mistretta CM, et al. **J Anat** 1984 Mar;138 (Pt 2):323–32

Effect of aging on ventilatory response to exercise and CO2. Brischetto MJ, et al. **J Appl Physiol** 1984 May; 56(5):1143–50

Effect of physical training on myocardial enzyme activities in aging rats. Chesky JA, et al. **J Appl Physiol** 1983 Oct; 55(4):1349–53

Age-related responses to mild restraint in the rat. Rattner BA, et al. **J Appl Physiol** 1983 Nov;55(5):1408–12

Glucose tolerance in young and older athletes and sedentary men. Seals DR, et al. **J Appl Physiol** 1984 Jun;56(6):1521–5

Effects of aging on sensation of respiratory force and displacement. Tack M, et al. **J Appl Physiol** 1983 Nov; 55(5):1433–40

Influences of exercise intensity, age, and medication on resting systolic blood pressure of SHR populations. Tipton CM, et al. **J Appl Physiol** 1983 Oct;55(4):1305–10

Immunology--aging and interferon [editorial] Kahn A Jr. **J Arkansas Med Soc** 1984 Jan;80(8):372–3

A quantitative histological analysis of the effects of age and sex on human lingual epithelium. Scott J, et al. **J Biol Buccale** 1983 Dec;11(4):303–15

The effects of composition, structure and age on the torsional properties of the human radius. Burr DB, et al. **J Biomech** 1983;16(8):603–8

Age-dependent influence of strain rate on the tensile failure of rat-tail tendon. Haut RC. **J Biomech Eng** 1983 Aug; 105(3):296–9

Mechanical properties of human tendon and their age dependence. Hubbard RP, et al. **J Biomech Eng** 1984 May; 106(2):144–50

Estrogen receptors in mammary cancer: correlation with age, menopausal status, and response to therapy. Johansson R, et al. **J Cancer Res Clin Oncol** 1984;107(3):221–4

Impairment of lidocaine clearance in elderly male subjects. Abernethy DR, et al. **J Cardiovasc Pharmacol** 1983 Nov-Dec;5(6):1093–6

Delayed and reduced cell replication and diminishing levels of DNA polymerase-alpha in regenerating liver of aging mice. Fry M, et al. **J Cell Physiol** 1984 Mar;118(3):225–32

A neurofibrillar method stains solitary (primary) cilia in the mammalian retina: their distribution and age-related changes. Boycott BB, et al. **J Cell Sci** 1984 Mar;66:95–118

Prevention of age-associated loss of autonomy: epidemiological approaches. Grimley Evans J. **J Chronic Dis** 1984;37(5):353–63 (77 ref.)

Plasma sex hormone-binding globulin levels decrease during the second decade of life irrespective of pubertal status. Cunningham SK, et al. **J Clin Endocrinol Metab** 1984 May; 58(5):915–8

The role of the glucose transport system in the postreceptor defect in insulin action associated with human aging. Fink RI, et al. **J Clin Endocrinol Metab** 1984 Apr;58(4):721–5

Pituitary-thyroid hormone economy in healthy aging men: basal indices of thyroid function and thyrotropin responses to constant infusions of thyrotropin releasing hormone. Harman SM, et al. **J Clin Endocrinol Metab** 1984 Feb; 58(2):320–6

Age-related changes in parathyroid hormone and parathyroid hormone action in normal humans. Marcus R, et al. **J Clin Endocrinol Metab** 1984 Feb;58(2):223–30

Age changes and sex differences in serum dehydroepiandrosterone sulfate concentrations throughout adulthood. Orentreich N, et al. **J Clin Endocrinol Metab** 1984 Sep;59(3):551–5

Luteinizing hormone-releasing hormone and thyrotropin-releasing hormone in the hypothalamus of women: effects of age and reproductive status. Parker CR Jr, et al. **J Clin Endocrinol Metab** 1984 Mar;58(3):488–91

Age-related changes in plasma growth hormone response to growth hormone-releasing factor in man. Shibasaki T, et al. **J Clin Endocrinol Metab** 1984 Jan;58(1):212–4

Influence of anatomic site and age on the replication and differentiation of rat adipocyte precursors in culture. Djian P, et al. **J Clin Invest** 1983 Oct;72(4):1200–8

Biosynthesis and release of thyrotropin-releasing hormone immunoreactivity in rat pancreatic islets in organ culture. Effects of age, glucose, and streptozotocin. Dolva LO, et al. **J Clin Invest** 1983 Dec;72(6):1867–73

Relationships between surface, volume, and thickness of iliac trabecular bone in aging and in osteoporosis. Implications for the microanatomic and cellular mechanisms of bone loss. Parfitt AM, et al. **J Clin Invest** 1983 Oct; 72(4):1396–409

Impaired vitamin D metabolism with aging in women. Possible role in pathogenesis of senile osteoporosis. Tsai KS, et al. **J Clin Invest** 1984 Jun;73(6):1668–72

Autologous mixed lymphocyte reaction in man. X. T-T autologous mixed lymphocyte reaction in young and aging humans. Gupta S. **J Clin Lab Immunol** 1984 Jun;14(2):107–9

Effect of age on the periodontium. Van der Velden U. **J Clin Periodontol** 1984 May;11(5):281–94 (132 ref.)

Stability of neuron number in cortical barrels of aging mice. Curcio CA, et al. **J Comp Neurol** 1982 Dec 1;212(2):158–72

Postnatal development of the serotonin innervation of the hippocampus and dentate gyrus following raphe implants. Holets VR, et al. **J Comp Neurol** 1984 Jul 10;226(4):457–76

Positron emission tomography and computed tomography assessments of the aging human brain. de Leon MJ, et al. **J Comput Assist Tomogr** 1984 Feb;8(1):88–94

Quantitative computed tomography assessment of spinal trabecular bone. I. Age-related regression in normal men and women. Firooznia H, et al. **J Comput Tomogr** 1984 Apr;8(2):91–7

Verbal and visuospatial performance in male alcoholics: a test of the premature-aging hypothesis. Shelton MD, et al. **J Consult Clin Psychol** 1984 Apr;52(2):200–6

Effects of age and weaning on enzyme activities of abomasum and pancreas of the lamb. Guilloteau P, et al. **J Dairy Sci** 1983 Nov;66(11):2373–85

Developmental changes in serum ferritin concentration of dairy calves. Miyata Y, et al. **J Dairy Sci** 1984 Jun; 67(6):1256–63

Quantitative and qualitative studies of Meissner's corpuscles in human skin, with special reference to alterations caused by aging. Matsuoka S, et al. **J Dermatol (Tokyo)** 1983 Jun; 10(3):205–16

The influence of host age on the survival and frequency of feeding of adults Xenopsylla cheopis. Khalil MS, et al. **J Egypt Soc Parasitol** 1983 Dec;13(2):481–4

Age difference in endogenous opiate modulation of short photoperiod-induced testicular regression in golden hamsters. Chen HJ, et al. **J Endocrinol** 1984 Apr;101(1):1–6

Alterations in ovarian steroid and gonadotrophin secretion preceding the cessation of regular oestrous cycles in ageing female rats. Nass TE, et al. **J Endocrinol** 1984 Jan; 100(1):43–50

Reaction times of younger and older men and temporal contingencies of reinforcement. Baron A, et al. **J Exp Anal Behav** 1983 Nov;40(3):275–87

Development of adult bone marrow stem cells in H-2-compatible and -incompatible mouse fetuses. Fleischman RA, et al. **J Exp Med** 1984 Mar 1;159(3):731–45

Ultimate erythropoietic repopulating abilities of fetal, young adult, and old adult cells compared using repeated irradiation. Harrison DE, et al. **J Exp Med** 1984 Sep 1; 160(3):759–71

Phenotypic characterization and ontogeny of mesodermal-derived and endocrine epithelial components of the human thymic microenvironment. Haynes BF, et al. **J Exp Med** 1984 Apr 1;159(4):1149–68

Isolation and characterization of senile amyloid--related antigenic substance (SASSAM) from mouse serum. Apo SASSAM is a low molecular weight apoprotein of high density lipoprotein. Higuchi K, et al. **J Exp Med** 1983 Nov 1;158(5):1600–14

Age of first appearance of simultaneous and successive negative contrast in infant rats. Stanton M, et al. **J Exp Psychol [Anim Behav]** 1984 Jul;10(3):376–89

Treatment of late-life onset alcohol abuse. Dupree LW, et al. **J Fla Med Assoc** 1984 Apr;71(4):267–9

Vocabulary test performance of old and young adults: another look at qualitative scoring. O'Dowd SC. **J Gen Psychol** 1983 Oct;109(2d Half):167–80

Psychotherapy of the elderly. A miserable old age--what can therapy do? Kahana RJ. **J Geriatr Psychiatry** 1983; 16(1):7–38

Sex differences in coping and perceptions of life events.

Siegler IC, et al. **J Geriatr Psychiatry** 1983;16(2):197–22
The mechanisms of permanence time: support for a psychodynamic hypothesis of psychological aging. Wertheimer J. **J Geriatr Psychiatry** 1983;16(2):245–55
The influence of age and endurance exercise on the myoglobin concentration of skeletal muscle of the rat. Beyer RE, et al. **J Gerontol** 1984 Sep;39(5):525–30
Effect of phase shift on monoamine oxidase activity in different regions of the rat brain as a function of age. Bhaskaran D, et al. **J Gerontol** 1984 Jan;39(1):22–9
The influence of personality, curriculum, and memory correlates on formal reasoning in young adults and elderly persons. Blackburn JA. **J Gerontol** 1984 Mar;39(2):207–9
Sleep–related respiratory disturbances [letter] Bliwise DL. **J Gerontol** 1984 Mar;39(2):255
Effects of coronary artery disease on the aging heart: observations from cardiac catheterization. Bodurian EN, et al. **J Gerontol** 1984 Mar;39(2):170–7
Age changes in body composition revealed by computed tomography. Borkan GA, et al. **J Gerontol** 1983 Nov; 38(6):673–7
Metabolic adaption of pancreatic islet tissue in aging rats. Burch PT, et al. **J Gerontol** 1984 Jan;39(1):2–6
Protein synthesis studies in skeletal muscle of aging rats. II. In vitro studies with 0.5M potassium chloride washed polyribosomes. Burini RC, et al. **J Gerontol** 1984 Jul; 39(4):392–7
Classic pattern of intellectual aging: test familiarity, difficulty, and performance. Cornelius SW. **J Gerontol** 1984 Mar; 39(2):201–6
Metamemory and memory for text relationships in adulthood: a cross–validation study. Dixon RA, et al. **J Gerontol** 1983 Nov;38(6):689–94
Structure and development of metamemory in adulthood. Dixon RA, et al. **J Gerontol** 1983 Nov;38(6):682–8
Longitudinal versus cross–sectional vital capacity changes and affecting factors. Dontas AS, et al. **J Gerontol** 1984 Jul;39(4):430–8
Cognitive mapping and elderly adults: verbal and location memory for urban landmarks. Evans GW, et al. **J Gerontol** 1984 Jul;39(4):452–7
Absence of age–related ploidy changes in a fish with indeterminate growth. Fine ML, et al. **J Gerontol** 1984 Jan; 39(1):18–21
The physiological significance of the glucose intolerance of aging. Fink RI, et al. **J Gerontol** 1984 May;39(3):273–8
Morphological and metabolic alterations in adipose tissue of very old rats. Gommers A, et al. **J Gerontol** 1983 Nov; 38(6):666–72
Age–dependent changes in lipid peroxide levels in the lipoprotein fractions of human serum. Hagihara M, et al. **J Gerontol** 1984 May;39(3):269–72
Effects of semantically related and unrelated contexts on recognition memory of different–aged adults. Hess TM. **J Gerontol** 1984 Jul;39(4):444–51
Body temperature responses of aged mice to ambient temperature and humidity stress. Hoffman–Goetz L, et al. **J Gerontol** 1984 Sep;39(5):547–51
Marital attitudes over 40 years: a longitudinal and cohort analysis. Holahan CK. **J Gerontol** 1984 Jan;39(1):49–57
Research practices in the psychology of aging: a survey of research published in the Journal of Gerontology, 1975–1982. Hoyer WJ, et al. **J Gerontol** 1984 Jan;39(1):44–8
Human major psoas muscle and sacrospinalis muscle in relation to age: a study by computed tomography. Imamura K, et al. **J Gerontol** 1983 Nov;38(6):678–81
Evaluation of lipid and lipoprotein metabolism in rats as a model for studying age–related physiological changes. Lacko AG, et al. **J Gerontol** 1984 Sep;39(5):513–20
Speed of recall in aging. Macht ML, et al. **J Gerontol** 1984 Jul;39(4):439–43
Age differences in cognitive effort in recall. Macht ML, et al. **J Gerontol** 1983 Nov;38(6):695–700
Data–driven and memory–driven selective attention in visual search. Madden DJ. **J Gerontol** 1984 Jan;39(1):72–8
Aging, sex–role orientation, and adjustment: a three–generations study of Mexican Americans. Markides KS, et al. **J Gerontol** 1984 Sep;39(5):586–91
Aging and the coding of spatial information. Moore TE, et al. **J Gerontol** 1984 Mar;39(2):210–2
A bibliography of doctoral dissertations on aging from American institutions of higher learning, 1981–1983. Mueller JE, et al. **J Gerontol** 1984 Sep;39(5):631–40
Picture memory in older adults: effects of contextual detail at encoding and retrieval. Park DC, et al. **J Gerontol** 1984 Mar;39(2):213–5
A lifespan study of classification preference. Pearce KA, et al. **J Gerontol** 1984 Jul;39(4):458–64
Preferential release of triiodothyronine: an intrathyroidal adaptation to reduced serum thyroxine in aging rats. Pekary AE, et al. **J Gerontol** 1983 Nov;38(6):653–9
Protein synthesis studies in skeletal muscle of aging rats. I. Alterations in nitrogen composition and protein synthesis using a crude polyribosome and pH 5 enzyme system. Pluskal MG, et al. **J Gerontol** 1984 Jul;39(4):385–91
Aging and recognition failure. Rabinowitz JC. **J Gerontol** 1984 Jan;39(1):65–71
Configuration color vision tests: the interaction between aging and the complexity of figure–ground segregation. Stanford T, et al. **J Gerontol** 1984 Sep;39(5):568–71
Myocardial protein synthesis during aging and endurance exercise in rats. Starnes JW, et al. **J Gerontol** 1983 Nov; 38(6):660–5
The effect of age on the accumulation of labile triosephosphate isomerase and thymidine incorporation in pokeweed mitogen stimulated human lymphocytes. Tollefsbol TO, et al. **J Gerontol** 1984 Jul;39(4):398–405
Protein variations associated with in vitro aging of human fibroblasts and quantitative limits on the error catastrophe hypothesis. Van Keuren ML, et al. **J Gerontol** 1983 Nov; 38(6):645–52
The effect of practice and temporal location of knowledge of results on the motor performance of older adults. Wiegand RL, et al. **J Gerontol** 1983 Nov;38(6):701–6
Decline in serum zinc level throughout adult life in the laboratory mouse. Woodward WD, et al. **J Gerontol** 1984 Sep;39(5):521–4
Aging and the category–recall relationship. Worden PE, et al. **J Gerontol** 1984 May;39(3):322–4
Effects of age on auditory awakening thresholds. Zepelin H, et al. **J Gerontol** 1984 May;39(3):294–300
Impaired recovery of alpha 1– and alpha 2–adrenergic receptors in brain tissue of aged rats. Zhou LW, et al. **J Gerontol** 1984 Sep;39(5):538–46
Setting the federal agenda for health research: the case of the National Institute on Aging. Lockett BA. **J Health Polit Policy Law** 1984 Spring;9(1):63–80
Regeneration of spinal neurons in inframammalian vertebrates: morphological and developmental aspects. Anderson MJ, et al. **J Hirnforsch** 1983;24(4):371–98
Shift work in women and in elderly persons. Kolmodin–Hedman B. **J Hum Ergol (Tokyo)** 1982;11 Suppl:447–56
Age and long term shiftwork with mental load: their effects on sleep. Pavard B, et al. **J Hum Ergol (Tokyo)** 1982;11 Suppl:303–9
Does blood pressure usually rise with age? . . . Or with stress? Jenkins CD, et al. **J Human Stress** 1983 Sep;9(3):4–12
Effects of marrow donor and recipient age on immune responses. Astle CM, et al. **J Immunol** 1984 Feb; 132(2):673–7
Stuqies of congenitally immunologically mutant New Zealand mice. IX. Age–related microenvironmental effects on autoantibody production in NZB and NZB.Xid mice studied by transplantation. Bray KR, et al. **J Immunol** 1984 Jun;132(6):2913–8
Reduced expression of Ia antigens by thymic epithelial cells of aged mice. Farr AG, et al. **J Immunol** 1984 Jul; 133(1):98–103
Proliferative and cytotoxic immune functions in aging mice. II. Decreased generation of specific suppressor cells in alloreactive cultures. Gottesman SR, et al. **J Immunol** 1984 Oct;133(4):1782–7
Induction of DNA synthesis in isolated nuclei by cytoplasmic factors. II. Normal generation of cytoplasmic stimulatory factors by lymphocytes from aged humans with depressed proliferative responses. Gutowski JK, et al. **J Immunol** 1984 Feb;132(2):559–62
Frequency analysis of functional immunoglobulin C and V gene expression in murine B cells at various ages. Hooijkaas H, et al. **J Immunol** 1983 Oct;131(4):1629–34
B lymphocyte lineage cells in newborn and very young NZB mice: evidence for regulatory disorders affecting B cell formation. Jyonouchi H, et al. **J Immunol** 1983 Nov; 131(5):2219–25
The cellular mechanism of maintenance of neonatally induced tolerance to H–2 class I antigens. McCarthy SA, et al. **J Immunol** 1983 Oct;131(4):1676–82
A comparison of the neonatal tolerance–inducing capacities of H–2 class I and class II antigens. McCarthy SA, et al. **J Immunol** 1983 Oct;131(4):1670–5
Anti–immunoglobulin antibodies. V. Age–dependent variation of clones stimulated by polysaccharide TI–2 antigens in 129 and MRL mice spontaneously producing anti–gamma–globulin antibodies. Manheimer AJ, et al. **J Immunol** 1984 Aug;133(2):562–8
Spontaneous production of interferon–gamma in adult and newborn humans. Martinez–Maza O, et al. **J Immunol** 1984 Jan;132(1):251–5
Age–associated decline in precursor frequency for different T cell–mediated reactions, with preservation of helper or cytotoxic effect per precursor cell. Miller RA. **J Immunol** 1984 Jan;132(1):63–8
Limiting dilution analysis of alloreactive cytotoxic precursor cells in aging mice. Nordin AA, et al. **J Immunol** 1983 Nov;131(5):2215–8
Natural suppressor (NS) cells found in the spleen of neonatal mice and adult mice given total lymphoid irradiation (TLI) express the null surface phenotype. Oseroff A, et al. **J Immunol** 1984 Jan;132(1):101–10
Homologous monoclonal antibodies induce idiotope–specific suppression in neonates through maternal influence and in adults exposed during fetal and neonatal life. Rothstein TL, et al. **J Immunol** 1984 Sep;133(3):1151–4
Immunological studies of aging. IX. Impaired proliferation of T lymphocytes detected in elderly humans by flow cytometry. Staiano–Coico L, et al. **J Immunol** 1984 Apr; 132(4):1788–92
Rescue of the tumor–specific immune response of aged mice in vitro. Urban JL, et al. **J Immunol** 1984 Jul;133(1):527–34
Distinct role of neonatal and adult monocytes in the regulation of the in vitro antigen–induced plaque–forming cell response in man. van Tol MJ, et al. **J Immunol** 1984 Oct;133(4):1902–8
Supplemental zinc restores antibody formation in cultures of aged spleen cells. Winchurch RA, et al. **J Immunol** 1984 Aug;133(2):569–71
The relationship between alpha–MSH level and coat color in white Camarque horses. Altmeyer P, et al. **J Invest Dermatol** 1984 Feb;82(2):199–201
Age–related changes in the cutaneous basal lamina [letter] Holbrook KA, et al. **J Invest Dermatol** 1984 Apr;82(4):386
Age–related changes in the cutaneous basal lamina: scanning electron microscopic study. Hull MT, et al. **J Invest Dermatol** 1983 Oct;81(4):378–80
Changes with age in the moisture content of human skin. Potts RO, et al. **J Invest Dermatol** 1984 Jan;82(1):97–100
The effect of aging and chronic sun exposure on human Langerhans cell populations. Thiers BH, et al. **J Invest Dermatol** 1984 Mar;82(3):223–6
Macular degeneration associated with aging. Weingeist TA. **J Iowa Med Soc** 1983 Dec;73(12):502–5
Influence of aging on vitamin D absorption and unstirred water layer dimensions in the rat. Hollander D, et al. **J Lab Clin Med** 1984 Mar;103(3):462–9
Total body calcium by neutron activation analysis in normals and osteoporotic populations: a discriminator of significant bone mass loss. Ott SM, et al. **J Lab Clin Med** 1983 Oct; 102(4):637–45
Erythropoiesis in the aged mouse: I. Response to stimulation in vivo. Udupa KB, et al. **J Lab Clin Med** 1984 Apr; 103(4):574–80
Erythropoiesis in the aged mouse: II. Response to stimulation in vitro. Udupa KB, et al. **J Lab Clin Med** 1984 Apr; 103(4):581–8
Macrophage activation by adjuvants in aging mice. Petrequin PR, et al. **J Leukocyte Biol** 1984 Mar;35(3):251–63
Does essential fatty acid absorption change with aging? Hollander D, et al. **J Lipid Res** 1984 Feb;25(2):129–34
Demonstration of de novo production of adipocytes in adult rats by biochemical and radioautographic techniques. Miller WH Jr, et al. **J Lipid Res** 1984 Apr;25(4):336–47
Age–specific prevalence of complement–fixing antibodies to sixteen viral antigens: a computer analysis of 58,500 patients covering a period of eight years. Ukkonen P, et al. **J Med Virol** 1984;13(2):131–48
ATPase activity and force production in myofibrils and twitch characteristics in intact muscle from neonatal, adult, and senescent rat myocardium. Bhatnagar GM, et al. **J Mol Cell Cardiol** 1984 Mar;16(3):203–18
Changes in ovarian ultrastructure and ecdysteroid titer during the aging process of female Xyleborus ferrugineus (Coleoptera: Scolytidae). Norris DM, et al. **J Morphol** 1983 Sep;177(3):245–54
A categorical approach to changes in latency, awakening, and sleep length in older subjects. Webb WB, et al. **J Nerv Ment Dis** 1984 May;172(5):291–5
Central GABA mechanisms during postnatal development in the rat: neurochemical characteristics. Hedner T, et al. **J Neural Transm** 1984;59(2):105–18
Effect of hyperbaric oxygen on GABA transport in rat brain synaptosomes. Wheeler DD, et al. **J Neural Transm** 1983; 57(3):167–85
Relations between axon length and axon caliber. 'Is maximum conduction velocity the factor controlling the evolution of nerve structure'? Friede RL, et al. **J Neurol Sci** 1984 Mar;63(3):369–80
Comments on Alzheimer's disease and aging [letter] Neumann MA, et al. **J Neuropathol Exp Neurol** 1984 Mar; 43(2):215–7
The effect of cytidine–diphosphate choline (CDP–choline) on brain lipid changes during aging. De Medio GE, et al. **J Neurosci Res** 1984;11(1):49–58
Glial cells dissociated from newborn and aged mouse brain. Vernadakis A, et al. **J Neurosci Res** 1984;11(3):253–62
Improvement of nitrogen retention by arginine and glycine supplementation and its relation to collagen synthesis in traumatized mature and aged rats. Chyun JH, et al. **J Nutr** 1984 Sep;114(9):1697–704
Developmental changes in the metabolism of 3–methylthiopropionate in the rat. Finkelstein A, et al. **J Nutr** 1984 Sep;114(9):1622–9
Protein malnutrition in aged rats: an experimental model. Rozovski SJ, et al. **J Nutr** 1984 Jul;114(7):1199–203
Self–regulation of phosphate intake in the rat: the influence of age, vitamin D and parathyroid hormone. Siu GM, et al. **J Nutr** 1984 Jun;114(6):1097–105
Hearing (physiology of aging). Neely JG. **J Okla State Med Assoc** 1984 Feb;77(2):48–9
Colonic water and electrolyte transport in young and adult rats. Marin L, et al. **J Pediatr Gastroenterol Nutr** 1984 Jun; 3(3):471–4
Age and diet composition in relation to experimental periodontal destruction in hamsters. Mikx FH, et al. **J Periodont Res** 1984 Jan;19(1):51–60
The change of disposition kinetics for thiourea accompanied by growth in mice. Hirate J, et al. **J Pharmacobiodyn** 1983 May;6(5):323–30
The change of disposition kinetics for creatinine and urea accompanied by growth in mice. Hirate J, et al. **J Pharmacobiodyn** 1983 May;6(5):315–22
Increased anticonvulsant effect of phenytoin in aging BDF1 mice. Kitani K, et al. **J Pharmacol Exp Ther** 1984 Apr; 229(1):231–6
Membrane properties and aging: in vivo and in vitro effects of ethanol on synaptosomal gamma–aminobutyric acid

(GABA) release. Strong R, et al.
J Pharmacol Exp Ther 1984 Jun;229(3):726–30

Progression of age changes in synaptic transmission at mouse neuromuscular junctions. Kelly SS, et al.
J Physiol (Lond) 1983 Oct;343:375–83

A comparison of the emotional content of dreams recalled by young and elderly women. Blick KA, et al.
J Psychol 1984 Jan;116(1st Half):143–6

Age stereotypes held by student nurses. Goebel BL.
J Psychol 1984 Mar;116(2d Half):249–54

Perspectives on death: a developmental study. Keller JW, et al. **J Psychol** 1984 Jan;116(1st Half):137–42

Effects of age and steroid treatment on prostaglandin production by the rat uterus in relation to implantation. Brown C, et al. **J Reprod Fertil** 1984 Mar;70(2):649–56

Graafian follicle growth and replacement in anovulatory ovaries of ageing C57BL/6J mice. Gosden RG, et al.
J Reprod Fertil 1983 Nov;69(2):453–62

Influence of age on sperm production and testicular weights in men. Johnson L, et al. **J Reprod Fertil** 1984 Jan; 70(1):211–8

Measurement of plasma LH concentrations in aged male rodents by a radioimmunoassay and a radioreceptor assay. Parkening TA, et al. **J Reprod Fertil** 1983 Nov;69(2):717–22

Therapeutic considerations in the management of the climacteric. A critical analysis of prevalent treatments. Upton GV. **J Reprod Med** 1984 Feb;29(2):71–80 (71 ref.)

Systemic lupus erythematosus in the elderly: clinical and serological characteristics. Catoggio LJ, et al.
J Rheumatol 1984 Apr;11(2):175–81

An immunogenetic study of older age onset rheumatoid arthritis. Terkeltaub R, et al. **J Rheumatol** 1984 Apr; 11(2):147–9

The effects of time compression and time expansion on passage comprehension by elderly listeners. Schmitt JF.
J Speech Hear Res 1983 Sep;26(3):373–7

Distribution of specific binding of [3H]promegestone in benign prostatic hypertrophy in regard to age, race and histological differences. Bashirelahi N, et al.
J Steroid Biochem 1983 Dec;19(6):1757–61

Maturational and generational changes in drinking behavior and attitudes in Iowa, 1961–1979. Fitzgerald JL, et al.
J Stud Alcohol 1983 May;44(3):476–84

Medawar's theory of senescence. Gleeson SK.
J Theor Biol 1984 Jun 7;108(3):475–9

The development of human benign prostatic hyperplasia with age. Berry SJ, et al. **J Urol** 1984 Sep;132(3):474–9

Force–velocity relationships of guinea pig ureter. Biancani P, et al. **J Urol** 1984 May;131(5):988–91

Age-related changes in plasma proteins of analbuminemic rats. Emori T, et al. **Jikken Dobutsu** 1983 Jul;32(3):123–32

The relationship between serum hormone levels and reproductive ability in aging male rats. Hashizume K, et al. **Jikken Dobutsu** 1984 Apr;33(2):159–63

B16 murine melanoma and aging: slower growth and longer survival in old mice. Ershler WB, et al. **JNCI** 1984 Jan; 72(1):161–4

Increased susceptibility of livers of aged F344/NCr rats to the effects of phenobarbital on the incidence, morphology, and histochemistry of hepatocellular foci and neoplasms. Ward JM. **JNCI** 1983 Oct;71(4):815–23

Preparing for population aging. **JPMA** 1983 Jul;33(7):182–3

Natural killer cell activity associated with aging and sex in humans. Sugiyama E, et al. **Jpn J Med** 1983 Aug; 22(3):195–9

Aging alterations of retina and choroid of Japanese: light microscopic study of macular region of 176 eyes. Hoshino M, et al. **Jpn J Ophthalmol** 1984;28(1):89–102

Physiologic basis for the maintenance of glomerulotubular balance in young growing rats. Kon V, et al.
Kidney Int 1984 Feb;25(2):391–6

Impact of age on effects of ureteral obstruction on renal function. Taki M, et al. **Kidney Int** 1983 Nov;24(5):602–9

Thymic hormone deficiency in normal ageing and Down's syndrome: is there a primary failure of the thymus? Fabris N, et al. **Lancet** 1984 May 5;1(8384):983–6

Failure to detect age-related increase of non-pathological autoantibodies [letter] Gordon J, et al. **Lancet** 1984 Jan 28;1(8370):231

Lipid peroxidation, oxygen radicals, cell damage, and antioxidant therapy. Halliwell B, et al. **Lancet** 1984 Jun 23;1(8391):1396–7

Tough cells and old age. Hopkin JM, et al. **Lancet** 1983 Nov 19;2(8360):1170–3

Why does plasma low density lipoprotein concentration in adults increase with age? Miller NE. **Lancet** 1984 Feb 4; 1(8371):263–7

Age-related increase in autoantibodies [letter] Moulias R, et al. **Lancet** 1984 May 19;1(8386):1128–9

Tough cells and old age [letter] Stavenow L. **Lancet** 1984 Jan 7;1(8367):51

The role of old age in the effects of glucose on insulin secretion, pentosephosphate shunt activity, pyridine nucleotides and glutathione of rat pancreatic islets. Ammon HP, et al. **Life Sci** 1984 Jan 16;34(3):247–57

Low prostacyclin synthetase activity of fetal rat aorta. Progressive increase after birth. Deckmyn H, et al.
Life Sci 1983 Oct 10;33(15):1491–7

Recovery of stress-induced increases in noradrenaline turnover is delayed in specific brain regions of old rats. Ida Y, et al. **Life Sci** 1984 Jun 11;34(24):2357–63

Decreased response with age of the cardiac catecholamine sensitive adenylate cyclase system. Kusiak JW, et al.
Life Sci 1983 Oct 24;33(17):1679–86

Correlation between a learning disorder and elevated brain-reactive antibodies in aged C57BL/6 and young NZB mice. Nandy K, et al. **Life Sci** 1983 Oct 10; 33(15):1499–503

Hepatic and pulmonary cytosolic metabolism of epoxides effects of aging on conjugation with glutathione. Spearman ME, et al. **Life Sci** 1983 Dec 26;33(26):2615–25

Effect of age on plasma bile acids and lipid components in the rat. Suzuki H, et al. **Lipids** 1983 Sep;18(9):658–60

Lymphokines in immunological aging. Gilman SC.
Lymphokine Res 1984 Spring;3(3):119–23

A study of thyroid function in the pre- and post-menopause. Bottiglioni F, et al. **Maturitas** 1983 Aug;5(2):105–14

Effects of donor's age on growth kinetics of rabbit articular chondrocytes in culture. Adolphe M, et al.
Mech Ageing Dev 1983 Oct;23(2):191–8

Regulatory activity of DNA-binding peptides on some metabolic pathways altered in aging. Amici D, et al.
Mech Ageing Dev 1983 Nov-Dec;23(3–4):215–34

Mechanisms responsible for reduced in vitro immunoglobulin secretion in aged humans. Antel JP, et al.
Mech Ageing Dev 1983 Sep;23(1):11–9

Fine-structural changes in the midgut of old Drosophila melanogaster. Anton-Erxleben F, et al.
Mech Ageing Dev 1983 Nov-Dec;23(3–4):265–76

Non-specific immunity in aging: deficiency of monocyte and polymorphonuclear cell-mediated functions. Antonaci S, et al. **Mech Ageing Dev** 1984 Mar;24(3):367–75

mRNA population in the liver, kidney and brain of young and senescent mice: analysis of in vitro translation products. Anzai K, et al. **Mech Ageing Dev** 1983 Oct;23(2):137–50

The effect of aging on epidermal mass in Balb/c female mice. Argyris TS. **Mech Ageing Dev** 1983 Jul–Aug; 22(3–4):347–54

Developmental alterations in 5'-nucleotidase kinetics and lipid composition of rat heart sarcolemma. Awad AB, et al. **Mech Ageing Dev** 1983 Jun;22(2):151–8

Lowered rates of protein synthesis by mitochondria isolated from organisms of increasing age. Bailey PJ, et al.
Mech Ageing Dev 1984 Feb;24(2):233–41

Cellular immunosenescence in F344 rats: decreased natural killer (NK) cell activity involves changes in regulatory interactions between NK cells, interferon, prostaglandin and macrophages. Bash JA, et al. **Mech Ageing Dev** 1984 Jan;24(1):49–65

Protein production and processing in young adult and aged rat submandibular gland cells in vitro. Baum BJ, et al.
Mech Ageing Dev 1983 Oct;23(2):123–36

Ontogeny of N,N-dimethyltryptamine and related indolealkylamine levels in neonatal rats. Beaton JM, et al.
Mech Ageing Dev 1984 Jun;25(3):343–7

Effect of chronic vitamin E deficiency on the synapses of cerebellar glomeruli in young rats. Bertoni-Freddari C, et al. **Mech Ageing Dev** 1984 Feb;24(2):225–32

Exercise-induced reversal of age-related declines of oxidative reactions, mitochondrial yield, and flavins in skeletal muscle of the rat. Beyer RE, et al.
Mech Ageing Dev 1984 Mar;24(3):309–23

Monoamine levels and monoamine oxidase activity in different regions of rat brain as a function of age. Bhaskaran D, et al. **Mech Ageing Dev** 1983 Oct;23(2):151–60

Modification of age-induced changes in heme and hemoproteins by testosterone in male rats. Bitar M, et al.
Mech Ageing Dev 1983 Nov-Dec;23(3–4):285–96

Effect of age on peptide chain initiation and elongation in preparations from brain, liver, kidney and skeletal muscle of the C57Bl/6J mouse. Blazejowski CA, et al.
Mech Ageing Dev 1984 Jun;25(3):323–33

An in vitro analysis of murine hemopoietic fibroblastoid progenitors and fibroblastoid cell function during aging. Brockbank KG, et al. **Mech Ageing Dev** 1983 May; 22(1):11–21

Stability of E-rosettes in aged humans: effect of cytochalasin B and colchicine. Brohee D, et al. **Mech Ageing Dev** 1983 Nov-Dec;23(3–4):383–93

Interleukin-1 synthesis and activity in aged mice. Bruley-Rosset M, et al. **Mech Ageing Dev** 1984 Mar; 24(3):247–64

Control of the changes in rat-liver carbamoyl-phosphate synthase (ammonia) protein levels during ontogenesis: evidence for a perinatal change in immunoreactivity of the enzyme. Charles R, et al. **Mech Ageing Dev** 1983 Jul–Aug; 22(3–4):193–203

Age-dependent changes in the cellularity and ultrastructure of the spleen of Fischer F344 rats. Cheung HT, et al.
Mech Ageing Dev 1983 May;22(1):23–33

Does mitochondrial ATP synthesis decline as a function of change in the membrane environment with ageing. Clandinin MT, et al. **Mech Ageing Dev** 1983 Jul–Aug; 22(3–4):205–8

Age-related changes in arterial wall mechanics and composition of NIA Fischer rats. Cox RH.
Mech Ageing Dev 1983 Sep;23(1):21–36

Role of spontaneous interstitial cell testicular tumors on the mitogen reactivity of spleen cells from aged male Fischer-344 rats. Cross RJ, et al. **Mech Ageing Dev** 1984 Jun;25(3):349–53

Changes in the prolactin-binding capacity of mouse hepatic membranes with development and aging. Dave JR, et al.
Mech Ageing Dev 1983 Nov-Dec;23(3–4):235–43

The effect of lipofuscin on cellular function. Davies I, et al. **Mech Ageing Dev** 1983 Nov-Dec;23(3–4):347–56

Cancer and normal ageing. Ebbesen P. **Mech Ageing Dev** 1984 Jun;25(3):269–83 (121 ref.)

The anti-aging action of hypophysectomy in hypothalamic obese rats: effects on collagen aging, age-associated proteinuria development and renal histopathology. Everitt AV, et al. **Mech Ageing Dev** 1983 Jul–Aug;22(3–4):233–51

Aging of neurons in the mollusc Lymnaea stagnalis. Structure, function and sensitivity to transmitters. Frolkis VV, et al. **Mech Ageing Dev** 1984 Apr–May;25(1–2):91–102

Alloreactivity. I. Effects of age and thymic hormone treatment on cell-mediated immunity in C57B1/6NNia mice. Ghanta VK, et al. **Mech Ageing Dev** 1983 Jul–Aug; 22(3–4):309–19

Studies of prostatic cytosol protein kinases of the aging ACI rat. Goueli SA, et al. **Mech Ageing Dev** 1983 Nov–Dec; 23(3–4):371–82

S-phase transit times as a function of age in human diploid fibroblasts. Griffiths TD. **Mech Ageing Dev** 1984 Mar; 24(3):273–82

Regulatory effects of thymus humoral factor on T cell growth factor in aging mice. Grinblat J, et al.
Mech Ageing Dev 1983 Jul–Aug;22(3–4):209–18

The effect of age on the infection and immunoresponsiveness of mice to Babesia microti. Habicht GS, et al.
Mech Ageing Dev 1983 Nov-Dec;23(3–4):357–69

Impaired estrogen stimulation of RNA polymerase II activity in uterine nuclei of senescent rats. Haji M, et al.
Mech Ageing Dev 1984 Apr–May;25(1–2):141–8

Changes in DNA polymerases alpha, beta and gamma in mouse liver as a function of age. Hanaoka F, et al.
Mech Ageing Dev 1983 Nov-Dec;23(3–4):315–27

Fine-structural and degenerative features in adult and aged human sympathetic ganglion cells. Helén P.
Mech Ageing Dev 1983 Oct;23(2):161–75

Autoantibodies in highly aged humans. Hijmans W, et al.
Mech Ageing Dev 1984 Jul;26(1):83–9

Changes in spleen cell proliferative responses and resistance to syngeneic tumor challenge in aging NBR rats. Hollingsworth MA, et al. **Mech Ageing Dev** 1983 Jul–Aug; 22(3–4):321–33

The effect of age on antigen retention in lymphoid follicles and in collagenous tissue of mice. Holmes KL, et al.
Mech Ageing Dev 1984 Apr–May;25(1–2):243–55

Grading score system: a method for evaluation of the degree of senescence in senescence accelerated mouse (SAM). Hosokawa M, et al. **Mech Ageing Dev** 1984 Jul;26(1):91–102

Autostimulatory lymphoid cells in aging mice: induction of syngeneic host-versus-graft reaction by radioresistant adherent cells in normal recipients. Hosono M, et al.
Mech Ageing Dev 1984 Feb;24(2):197–210

Changes in melanosomes with age in iridial stromal melanocytes of rhesus macaques. Hu F, et al.
Mech Ageing Dev 1983 Sep;23(1):95–102

Age-dependent conformational changes in acid deoxyribonuclease of chick brain. Indrapal Singh N, et al.
Mech Ageing Dev 1984 Jan;24(1):29–48

The influence of in vivo incubation of aged murine spleen colony-forming units on their proliferative capacity. Inoue T, et al. **Mech Ageing Dev** 1983 Oct;23(2):177–90

Anterior pituitary luteinizing hormone secretion during continuous perifusion in aging male rats. Kaler LW, et al.
Mech Ageing Dev 1984 Apr–May;25(1–2):103–15

Glucocorticoid receptors: from development to aging. A review. Kalimi M. **Mech Ageing Dev** 1984 Feb;24(2):129–38 (58 ref.)

Lifelong food restriction prevents senile osteopenia and hyperparathyroidism in F344 rats. Kalu DN, et al.
Mech Ageing Dev 1984 Jul;26(1):103–12

Lipofuscin accumulation resulting from senescence and vitamin E deficiency: spectral properties and tissue distribution. Katz ML, et al. **Mech Ageing Dev** 1984 Apr–May;25(1–2):149–59

Lymphocyte activation in human ageing: V. Acquisition of response to T cell growth factor and production of growth factors by mitogen-stimulated lymphocytes. Kennes B, et al. **Mech Ageing Dev** 1983 Oct;23(2):103–13

Age-correlated changes in the DNA template in the nematode Caenorhabditis elegans. Klass M, et al.
Mech Ageing Dev 1983 Jul–Aug;22(3–4):253–63

A method for the isolation of longevity mutants in the nematode Caenorhabditis elegans and initial results. Klass MR. **Mech Ageing Dev** 1983 Jul–Aug;22(3–4):279–86

The pyruvate dehydrogenase complex during aging. Ksiezak-Reding H, et al. **Mech Ageing Dev** 1984 Jul; 26(1):67–73

Influence of age and diet on DNA synthesis and the DNA content of mid-gut cells in the dipteran Sarcophaga carnaria. Lamb MJ, et al. **Mech Ageing Dev** 1983 Sep; 23(1):37–52

Age and sensitivity to oxygen in the flour beetle, Tribolium confusum. Lee YJ, et al. **Mech Ageing Dev** 1983 Jun; 22(2):97–103

Lipid changes with aging in cardiac mitochondrial membranes. Lewin MB, et al. **Mech Ageing Dev** 1984 Mar; 24(3):343–51

Effect of donor age on long-term culture of bone marrow in vitro. Lipschitz DA, et al. **Mech Ageing Dev** 1984 Jan; 24(1):119–27

Age-correlated changes in dopaminergic nigrostriatal perikarya of the C57BL/6NNia mouse. McNeill TH, et

al. **Mech Ageing Dev** 1984 Mar;24(3):293–307
The locus coeruleus and its possible role in ageing and degenerative disease of the human central nervous system. Mann DM. **Mech Ageing Dev** 1983 Sep;23(1):73–94 (171 ref.)
A probabilistic approach to ageing and elimination of senescent plasma protein. Mărgineanu I, et al. **Mech Ageing Dev** 1983 Nov–Dec;23(3–4):297–305
Sexually dimorphic, age-related changes in pituitary gonadotrop distribution. Margolis–Kazan H, et al. **Mech Ageing Dev** 1984 Mar;24(3):325–33
Function and fidelity of aging tRNA: in vivo acylation, analog discrimination, synthetase binding, and in vitro translation. Mays–Hoopes LL, et al. **Mech Ageing Dev** 1983 Jun;22(2):135–49
Age-related changes in liver and adipose tissue pyruvate dehydrogenase of genetically obese mice. Menahan LA. **Mech Ageing Dev** 1984 Mar;24(3):353–66
Age-dependent alterations in synaptic membrane systems for Ca2+ regulation. Michaelis ML, et al. **Mech Ageing Dev** 1984 Apr–May;25(1–2):215–25
Use of tannic acid to study cytoplasmic vesicles and membrane invaginations in epididymal fat pads of ageing mice. Montisano DF, et al. **Mech Ageing Dev** 1984 Apr–May;25(1–2):177–88
Codon recognition fidelity of ribosomes at the first and second positions does not decrease during aging. Mori N, et al. **Mech Ageing Dev** 1983 May;22(1):1–10
Immune manipulations and brain–reactive antibody formation in aging mice. Nandy K, et al. **Mech Ageing Dev** 1983 Jul–Aug;22(3–4):287–93
A correlation between aging and DNA repair in human epidermal cells. Nette EG, et al. **Mech Ageing Dev** 1984 Mar;24(3):283–92
Structural and replicative forms of mitochondrial DNA in tissues from adult and senescent BALB/c mice and Fischer 344 rats. Pikó L, et al. **Mech Ageing Dev** 1984 Jul; 26(1):113–31
Metabolism of the glutamate group of amino acids in rat brain as a function of age. Rajeswari TS, et al. **Mech Ageing Dev** 1984 Feb;24(2):139–49
The effect of short- and long-term exercise on aldolase activity in muscles of CW-1 and C57/BL mice of various ages. Reznick AZ, et al. **Mech Ageing Dev** 1983 Nov–Dec; 23(3–4):253–8
Effect of methyltestosterone administration on microsomal drug metabolism in aging rats. Rikans LE, et al. **Mech Ageing Dev** 1984 Jun;25(3):335–41
Enhancement of the response of ageing mouse lymphocytes by in vitro treatment with lecithin. Rivnay B, et al. **Mech Ageing Dev** 1983 Nov–Dec;23(3–4):329–36
Morphometric studies on the age changes of autofluorescent granules and lysosomes in the epithelial cells of rat kidneys. Sato T, et al. **Mech Ageing Dev** 1984 Apr–May; 25(1–2):237–42
Continued reproductive potential in aging platyfish as demonstrated by the persistence of gonadotropin, luteinizing hormone releasing hormone and spermatogenesis. Schreibman MP, et al. **Mech Ageing Dev** 1983 Jun;22(2):105–12
Age-dependent alterations of microtubule–associated enzyme activities from bovine brain (protein kinase, adenosine triphosphatase, guanosine triphosphatase). Schröder HC, et al. **Mech Ageing Dev** 1983 May;22(1):35–50
Binding of polyribonucleotides and polydeoxyribonucleotides to bovine brain microtubule protein: age-dependent modulation via phosphorylation of high–molecular–weight microtubule–associated proteins and tau proteins. Schröder HC, et al. **Mech Ageing Dev** 1984 Jan;24(1):101–17
Age-related alterations in cultured human fibroblast membrane structure and function. Schroeder F, et al. **Mech Ageing Dev** 1984 Jun;25(3):365–89
Altered brain phosphoglycerate kinase from aging rats. Sharma HK, et al. **Mech Ageing Dev** 1984 Jun;25(3):285–96
Effect of butylated hydroxytoluene on the life span of Drosophila bipectinata. Sharma SP, et al. **Mech Ageing Dev** 1983 Sep;23(1):67–71
Glycosaminoglycans in the basal lamina and extracellular matrix of serially aged mouse mammary ducts. Silberstein GB, et al. **Mech Ageing Dev** 1984 Feb;24(2):151–62
DNA repair in thymocytes of mice undergoing thymic involution. Small M, et al. **Mech Ageing Dev** 1983 Nov–Dec;23(3–4):337–45
Effect of age on oxygen consumption, superoxide dismutase, catalase, glutathione, inorganic peroxides and chloroform–soluble antioxidants in the adult male housefly, Musca domestica. Sohal RS, et al. **Mech Ageing Dev** 1984 Feb;24(2):185–95
Liver lysosomal enzymes in rats during long-term dietary restriction. 1. Changes during the developmental period of life. Solomon C, et al. **Mech Ageing Dev** 1984 Jan; 24(1):9–27
Effects of long-term vitamin D deficiency and response to vitamin D repletion in the mature and aging male and female rat. Thomas ML, et al. **Mech Ageing Dev** 1984 Apr–May;25(1–2):161–75
Analysis of the rat lens epithelial cell nucleus during ageing by scanning cytophotometry. Tréton JA, et al. **Mech Ageing Dev** 1983 Jul–Aug;22(3–4):265–77
Influence of age-related changes in rodent liver morphology and physiology on drug metabolism—a review. van Bezooijen CF. **Mech Ageing Dev** 1984 Apr–May; 25(1–2):1–22
Lysosomal activity in aging rat liver: I. Variation in enzyme activity within the liver lobule. van Manen R, et al. **Mech Ageing Dev** 1983 Jun;22(2):159–65
Delayed phytohemagglutinin–stimulated production of adenosine triphosphate by aged human lymphocytes: possible relation to mitochondrial dysfunction. Verity MA, et al. **Mech Ageing Dev** 1983 Sep;23(1):53–65
Free radicals and aging. Electron spin resonance studies on neuronal lipopigments and cells grown in vitro. Vistnes AI, et al. **Mech Ageing Dev** 1983 Jul–Aug;22(3–4):335–45
Specific disappearance of translatable messenger RNA for elongation factor one in aging Drosophila melanogaster. Webster GC, et al. **Mech Ageing Dev** 1984 Mar; 24(3):335–42
Decline in synthesis of elongation factor one (EF-1) precedes the decreased synthesis of total protein in aging Drosophila melanogaster. Webster GC, et al. **Mech Ageing Dev** 1983 Jun;22(2):121–8
Accumulation of inactive cathepsin D in old rats. Wiederanders B, et al. **Mech Ageing Dev** 1984 Mar; 24(3):265–71
Age changes in hepatic metabolic characteristics and their modulation by dietary manipulation. Yu BP, et al. **Mech Ageing Dev** 1984 Jan;24(1):67–81
T-cell cytotoxicity and aging: differing causes of reduced response in individual mice. Zharhary D, et al. **Mech Ageing Dev** 1984 Apr–May;25(1–2):129–40
Analysis of posturographic measurements on children. Peeters H, et al. **Med Biol Eng Comput** 1984 Jul; 22(4):317–21
Are chronic spinal cord injured patients (SCIP) prone to premature aging? Ohry A, et al. **Med Hypotheses** 1983 Aug; 11(4):467–9
Role of exercise in prevention of involutional bone loss. Brewer V, et al. **Med Sci Sports Exerc** 1983;15(6):445–9
Exercise, functional aerobic capacity, and aging—another viewpoint. Bruce RA. **Med Sci Sports Exerc** 1984; 16(1):8–13
Maintenance of the adaptation of skeletal muscle mitochondria to exercise in old rats. Young JC, et al. **Med Sci Sports Exerc** 1983;15(3):243–6
Thickness of bone formed at remodeling sites in normal human iliac trabecular bone: variations with age and sex. Kragstrup J, et al. **Metab Bone Dis Relat Res** 1983–84; 5(1):17–21
Thickness of lamellae in normal human iliac trabecular bone. Kragstrup J, et al. **Metab Bone Dis Relat Res** 1983; 4(5):291–5
Assay of lipofuscin/ceroid pigment in vivo during aging. Sohal RS. **Methods Enzymol** 1984;105:484–7
Maturational aspects of the dopaminergic system: ontogenesis of high affinity dopamine binding to neural membrane fragments of the rat brain. Karakiulakis G, et al. **Methods Find Exp Clin Pharmacol** 1983 Dec;5(10):685–94
The influence of age on the distribution and activity of histamine receptors in the rat uterus. Paradelis AG, et al. **Methods Find Exp Clin Pharmacol** 1984 Feb;6(2):79–82
Adult sympathetic and vascular dysfunction in experimental juvenile–onset diabetes mellitus. Mueller SM. **Microvasc Res** 1984 Jul;28(1):75–86
An overview of research on aging and the status of gerontology today. Butler RN. **Milbank Mem Fund Q** 1983 Summer;61(3):351–61
Changes in renal glutamate content during development. Solomon S. **Miner Electrolyte Metab** 1984;10(3):204–8
The VA GRECC program. Study of the aging nervous system. Maletta GJ. **Minn Med** 1984 Jul;67(7):393–4
Age-related effects in enzyme catalysis. Gafni A, et al. **Mol Cell Biochem** 1984;59(1–2):113–29 (49 ref.)
Methylation and rearrangement of mouse intracisternal a particle genes in development, aging, and myeloma. Mays–Hoopes LL, et al. **Mol Cell Biol** 1983 Aug; 3(8):1371–80
Histamine release from human basophils in vitro: effects of age of cell donor. Marone G, et al. **Monogr Allergy** 1983; 18:139–43 (12 ref.)
Effects of aging on regulation of cerebral blood flow and metabolism. 2nd satellite symposium, San Remo, June 30–July 1, 1983. **Monogr Neural Sci** 1984;11:1–258
Effects of aging and hypoxia on energy transduction at synaptosomal level. Benzi G, et al. **Monogr Neural Sci** 1984; 11:28–39
Water, electrolytes contents of the brain and cerebral function in aged rats. Cahn J, et al. **Monogr Neural Sci** 1984;11:85–92
Aging and cholinergic system: a 2–deoxyglucose study in the rat brain. Dam M, et al. **Monogr Neural Sci** 1984; 11:62–7
Cerebral blood flow in aging. Decrease of hyperfrontal distribution. Dupui P, et al. **Monogr Neural Sci** 1984; 11:131–8
Effect of aging on the heterosaccharide moiety of glycoproteins: study of concanavalin A–bound glycoproteins and glycosidases. Federico A, et al. **Monogr Neural Sci** 1984;11:78–84
Oxygen extraction in the aging brain. Frackowiak RS, et al. **Monogr Neural Sci** 1984;11:118–22
Reduction in regional cerebral blood flow during normal aging is not limited to elderly subjects. Globus M, et al. **Monogr Neural Sci** 1984;11:139–43
Cerebrovascular and metabolic response of the aged rat to hypoxia. Hoffman WE, et al. **Monogr Neural Sci** 1984; 11:8–16
The effects of aging on local rates of cerebral protein synthesis in rats. Ingvar MC, et al. **Monogr Neural Sci** 1984; 11:47–50
Influence of social environmental factors on cerebral circulation and mental function in the normal aged. Kobayashi S, et al. **Monogr Neural Sci** 1984;11:163–8
Brain microvessel receptor function during aging. Magnoni MS, et al. **Monogr Neural Sci** 1984;11:58–61
Effect of aging on cerebral blood flow autoregulation—with special reference to the role of the prostaglandins. Oiwa K, et al. **Monogr Neural Sci** 1984;11:210–5
Effects of normal aging on regional CBF and CMRO2 in humans. Pantano P, et al. **Monogr Neural Sci** 1984; 11:123–30
Platelet in vivo aggregation and aging. Paolucci S, et al. **Monogr Neural Sci** 1984;11:240–2
Effect of aging on CBF and autoregulation in normal subjects and CVD patients. Shinohara Y, et al. **Monogr Neural Sci** 1984;11:204–9
Brain cell death in ischemia and aging: are free radicals involved? Siesjö BK. **Monogr Neural Sci** 1984;11:1–7
Effect of aging on reactive hyperemia following reopening of occluded middle cerebral artery in cats. Tanahashi N, et al. **Monogr Neural Sci** 1984;11:40–6
Some aspects concerning the peculiarities of the pterygoid venous plexus in man related to age. Rácz L, et al. **Morphol Embryol (Bucur)** 1984 Jan–Mar;30(1):11–6
Distribution of different fiber types in human skeletal muscles: effects of aging studied in whole muscle cross sections. Lexell J, et al. **Muscle Nerve** 1983 Oct;6(8):588–95
The effects of chronic muscular activity on age-related changes in single fiber electromyography. Shields RW Jr, et al. **Muscle Nerve** 1984 May;7(4):273–7
Age-related variation in the DNA-repair synthesis after UV-C irradiation in unstimulated lymphocytes of healthy blood donors. Kovacs E, et al. **Mutat Res** 1984 May–Jun; 131(5–6):231–7
Aging, natural death, and the compression of morbidity [letter] **N Engl J Med** 1984 Mar 8;310(10):659–60
Alterations in leukocyte beta-receptor affinity with aging. A potential explanation for altered beta-adrenergic sensitivity in the elderly. Feldman RD, et al. **N Engl J Med** 1984 Mar 29;310(13):815–9
Effect of age and exposure to a carcinogen on the structure of the medaka liver: a morphometric study. Hinton DE, et al. **Natl Cancer Inst Monogr** 1984 May;65:239–49
Aging and the skin. Burton CS, et al. **NC Med J** 1984 Apr; 45(4):244
Loss of place specificity in hippocampal complex spike cells of senescent rat. Barnes CA, et al. **Neurobiol Aging** 1983 Summer;4(2):113–9
Effects of chronic manipulations of dietary choline on locomotor activity, discrimination learning and cortical acetylcholine release in aging adult Fisher 344 rats. Beninger RJ, et al. **Neurobiol Aging** 1984 Spring;5(1):29–34
The pituitary–adrenal response to novel stimulation and ether stress in young adult and aged rats. Brett LP, et al. **Neurobiol Aging** 1983 Summer;4(2):133–8
Morphometry of nuclei, nuclear envelopes and nucleoli in aging hamster cerebrum. Buschmann MT, et al. **Neurobiol Aging** 1983 Fall;4(3):197–202
Temporal matching of sensory–motor behavior and limbic theta rhythm deteriorates in aging rats. Forbes WB, et al. **Neurobiol Aging** 1984 Spring;5(1):7–17
Spatial learning and motor deficits in aged rats. Gage FH, et al. **Neurobiol Aging** 1984 Spring;5(1):43–8
Life-long dietary restriction affects striatally-mediated behavioral responses in aged rats. Joseph JA, et al. **Neurobiol Aging** 1983 Fall;4(3):191–6
Psychomotor performance in the senescent rodent: reduction of deficits via striatal dopamine receptor up-regulation. Joseph JA, et al. **Neurobiol Aging** 1983 Winter;4(4):313–9
Brain trace element concentrations in aging. Markesbery WR, et al. **Neurobiol Aging** 1984 Spring;5(1):19–28
Methadone in brain and its effects on locomotor activity of young and aged mice. Middaugh LD, et al. **Neurobiol Aging** 1983 Winter;4(4):321–6
The effect of aging on the neuronal population within area 17 of adult rat cerebral cortex. Peters A, et al. **Neurobiol Aging** 1983 Winter;4(4):273–82
Integrity of blood–brain barrier to peroxidase in senescent mice. Rudick RA, et al. **Neurobiol Aging** 1983 Winter; 4(4):283–7
Intermale aggression and infanticide in aged C57BL/6J male mice: behavioral deficits are not related to serum testosterone (T) levels and are not recovered by supplemental T. Svare B, et al. **Neurobiol Aging** 1983 Winter;4(4):305–12
[3H]N6-(L-Phenylisopropyl) adenosine binding in brains from young and old rats. Virus RM, et al. **Neurobiol Aging** 1984 Spring;5(1):61–2
Age-related changes in brain catecholamine responses to a single footshock. Welsh KA, et al. **Neurobiol Aging** 1984 Spring;5(1):55–9
Regional decline of cerebral blood flow with age in cognitively intact subjects. Zemcov A, et al. **Neurobiol Aging** 1984 Spring;5(1):1–6
Aging: effects on beta-carboline binding in hippocampal subfields. Zobrist RH, et al. **Neurobiol Aging** 1984 Spring; 5(1):49–53

Protein analysis of myelin isolated from the CNS of fish: developmental and species comparisons. Jeserich G. **Neurochem Res** 1983 Aug;8(8):957–70

Effect on neuronal and non-neuronal benzodiazepine binding sites. Komiskey HL, et al. **Neurochem Res** 1983 Sep; 8(9):1135–41

Age-related differences in the effect of castration upon hypothalamic LHRH content in male rats. Bourguignon JP, et al. **Neuroendocrinology** 1984 May;38(5):376–81

Elevated corticosterone levels. A possible cause of reduced axon sprouting in aged animals. DeKosky ST, et al. **Neuroendocrinology** 1984 Jan;38(1):33–8

Neuronal death in the development and aging of the cerebral cortex of the mouse. Heumann D, et al. **Neuropathol Appl Neurobiol** 1983 Jul–Aug;9(4):297–311

Alzheimer's presenile dementia, senile dementia of Alzheimer type and Down's syndrome in middle age form an age related continuum of pathological changes. Mann DM, et al. **Neuropathol Appl Neurobiol** 1984 May–Jun; 10(3):185–207

Effect of age on behavioral responses and tissue levels of apomorphine in the rat. Campbell A, et al. **Neuropharmacology** 1984 Jul;23(7A):725–30

Age-of-onset in schizophrenia and schizotypal disorders. Clinical and genetic implications. Baron M, et al. **Neuropsychobiology** 1983;10(4):199–204

Changes in cerebral lateralization in aging. Obler LK, et al. **Neuropsychologia** 1984;22(2):235–40

The assessment of changes in brain volume using combined linear measurements. A CT-scan study. Gomori JM, et al. **Neuroradiology** 1984;26(1):21–4

Spindlelike cortical potentials during postnatal development of rabbits. Dmitrieva LE. **Neurosci Behav Physiol** 1984 Mar–Apr;14(2):167–72

Effect of early locomotor training on evoked potentials and structural organization of visual cortex dendrites of rats during ontogeny. Shimko IA, et al. **Neurosci Behav Physiol** 1984 May–Jun;14(3):254–9

Ultrastructure of the locus coeruleus in the brain of rats in early ontogenesis. Ten AM, et al. **Neurosci Behav Physiol** 1984 Mar–Apr;14(2):173–9

Age pigments and superoxide dismutase activity in the central nervous system of Torpedo marmorata [letter] Aloj Totàro E, et al. **Neurosci Lett** 1984 Apr 6;45(3):341–2

Is the modality of the supersensitivity after sympathectomy age and duration dependent? Carlsöö B, et al. **Neurosci Lett** 1984 Apr 6;45(3):279–83

The termination pattern of sciatic nerve afferents in the substantia gelatinosa of neonatal rats. Fitzgerald M, et al. **Neurosci Lett** 1983 Dec 30;43(2–3):149–54

Sympathetic ganglion neurons from aged humans grown in monolayer culture. Fukuda J, et al. **Neurosci Lett** 1983 Jul 29;38(2):193–8

The excitotoxin quinolinic acid is present in the brain of several mammals and its cortical content increases during the aging process. Moroni F, et al. **Neurosci Lett** 1984 Jun 1;47(1):51–5

Brain manganese concentrations in human aging and Alzheimer's disease. Markesbery WR, et al. **Neurotoxicology (Park Forest II)** 1984 Spring;5(1):49–57

Neurotransmitters and neurotransmitter receptors in developing and adult rats during manganese poisoning. Seth PK, et al. **Neurotoxicology (Park Forest II)** 1984 Spring;5(1):67–76

Loss of age effect on human natural killer cell activity. Aoki N, et al. **Nippon Gan Chiryo Gakkai Shi** 1983 Oct 20; 18(7):1859–62

Visual problems of the elderly [editorial] **Ophthalmic Physiol Opt** 1984;4(2):113–4

The astigmatic modulus and its age-dependence. Saunders H. **Ophthalmic Physiol Opt** 1984;4(3):215–22

Biochemistry of the ageing rat lens. II. Isoelectric focusing of water-soluble crystallins. Bours J, et al. **Ophthalmic Res** 1983;15(5):234–9

Immunological properties of rat lens gamma-crystallins. III. Changes during development and ageing. Vornhagen R, et al. **Ophthalmic Res** 1983;15(3):126–30

Aging and right-left asymmetry in experimental pain measurement. Neri M, et al. **Pain** 1984 May;19(1):43–8

Dermis ageing. Bouissou H, et al. **Pathol Res Pract** 1984 May; 178(5):515–7 (16 ref.)

Developmental aspects of sugar transport by isolated dog renal cortical tubules. Foreman JW, et al. **Pediatr Res** 1984 Aug;18(8):719–23

Kinetics of intestinal calcium transport during maturation in rats. Ghishan FK, et al. **Pediatr Res** 1984 Mar;18(3):235–9

Effects of nitroprusside on cardiac function, blood flow distribution, and oxygen consumption in the conscious young lamb. Kuipers JR, et al. **Pediatr Res** 1984 Jul; 18(7):618–26

Immune responses to fed protein antigens in mice. 3. Systemic tolerance or priming is related to age at which antigen is first encountered. Strobel S, et al. **Pediatr Res** 1984 Jul; 18(7):588–94

Developmental changes in action potential duration, refractoriness, and conduction in the canine ventricular conducting system. Untereker WJ, et al. **Pediatr Res** 1984 Jan;18(1):53–8

Different patterns of central and peripheral beta EP, beta LPH and ACTH throughout life. Facchinetti F, et al. **Peptides (Fayetteville)** 1983 Jul–Aug;4(4):469–74

Lingual vibrotactile sensation magnitudes: comparison of suprathreshold responses for three different age ranges. Fucci D, et al. **Percept Mot Skills** 1983 Aug;57(1):31–8

Aging, dementia and Gibson Spiral Maze performance: a brief note. Gilleard CJ. **Percept Mot Skills** 1984 Jun; 58(3):889–90

Differences in handwriting as a function of age. Lester D, et al. **Percept Mot Skills** 1983 Dec;57(3 Pt 1):738

Conceptual problems in theoretical gerontology. Esposito JL. **Perspect Biol Med** 1983 Summer;26(4):522–46

Increased responsiveness to ethanol with advancing age in rats. York JL. **Pharmacol Biochem Behav** 1983 Oct; 19(4):687–91

Nutritional factors: modulating effects on immune function and aging. Fernandes G. **Pharmacol Rev** 1984 Jun;36(2 Suppl):123S–129S (69 ref.)

Age-related changes in the effects of drugs on the sweat glands. Sato K. **Pharmacol Ther** 1984;24(3):435–8 (10 ref.)

Age-dependent changes in the responsiveness of the reproductive system to pharmacological agents. Steger RW. **Pharmacol Ther** 1982;17(1):1–64 (602 ref.)

Changes in acetylcholinesterase and cholinesterase activities in rat pancreas during postnatal development. Lack of relation with muscarinic receptor maturation. Dumont Y, et al. **Pharmacology** 1984;29(1):40–6

Simultaneous study of cerebral blood flow, vascular bed and deoxyglucose in aged rats. Effects of two dihydrogenated rye ergot alkaloids. Rapin JR, et al. **Pharmacology** 1984; 28(5):241–50

Postnatal development of carrier-mediated absorption of a foreign amino acid from the rat lung. Schanker LS, et al. **Pharmacology** 1984;28(1):47–50

Action of substance P on the blood pressure of spontaneously hypertensive rats in dependence on age. Roske I, et al. **Pharmazie** 1983 Sep;38(9):626–7

Decrease in timed balance test scores with aging. Bohannon RW, et al. **Phys Ther** 1984 Jul;64(7):1067–70

Rehabilitation of the older person: a psychosocial focus. Lewis CB. **Phys Ther** 1984 Apr;64(4):517–22

Alteration of motor-unit discharge characteristics in aged humans. Nelson RM, et al. **Phys Ther** 1984 Jan;64(1):29–34

Active mobility of the extremities in older subjects. Walker JM, et al. **Phys Ther** 1984 Jun;64(6):919–23

Disruption and habituation of stable fixed-interval behavior in younger and older monkeys. Harrison DW, et al. **Physiol Behav** 1984 Mar;32(3):341–4

Changes in serum and tissue fibronectin during ontogeny. Sochorová L, et al. **Physiol Bohemoslov** 1983;32(6):481–5

Are the changes in collagen caused by chronical X-irradiation similar to aging? Svojtková E, et al. **Physiol Bohemoslov** 1983;32(5):449–59

In vivo measurement of 31P nuclear magnetic resonance spectrum of aging mouse brain. Golczewski JA, et al. **Physiol Chem Phys** 1983;15(1):13–7

Effects of aging on the respiratory system. Levitzky MG. **Physiologist** 1984 Apr;27(2):102–7 (60 ref.)

Nutrition as a modulator of the aging process. Masoro EJ. **Physiologist** 1984 Apr;27(2):98–101 (22 ref.)

Tennis for senior citizens. Pilot program to promote fitness. Branham G, et al. **Postgrad Med** 1984 May;75(6):199–203

Urinary tract infection in infants and children. Preventing recurrence and renal damage. Cunningham RJ 3d. **Postgrad Med** 1984 May;75(6):59–64

The developmental distribution of monoamines in the brain of male Japanese quail (Coturnix coturnix japonica). Duchala CS, et al. **Poult Sci** 1984 May;63(5):1052–60

Age and body weight at sexual maturity in female white Leghorn chickens. Dunnington EA, et al. **Poult Sci** 1984 Apr;63(4):828–30

The effects of temperature and age on body weight and feed efficiency of broiler chickens. Reece FN, et al. **Poult Sci** 1983 Sep;62(9):1906–8

Weight loss as related to body composition in aging white turkey hens. Robel EJ. **Poult Sci** 1984 Jun;63(6):1281–3

The effect of age of breeder hen on the levels of vitamins and minerals in turkey eggs. Robel EJ. **Poult Sci** 1983 Sep; 62(9):1751–6

Age-associated impairment of murine natural killer activity. Albright JW, et al. **Proc Natl Acad Sci USA** 1983 Oct; 80(20):6371–5

Effects of food restriction on aging: separation of food intake and adiposity. Harrison DE, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(6):1835–8

Dopamine receptor turnover rates in rat striatum are age-dependent. Leff SE, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(12):3910–4

Accelerated age-related browning of human collagen in diabetes mellitus. Monnier VM, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(2):583–7

Glutathione levels during the mosquito life span with emphasis on senescence. Hazelton GA, et al. **Proc Soc Exp Biol Med** 1984 Jul;176(3):249–56

Effects of diet and age on lipoprotein lipase and hepatic triglyceride lipase activities in the rat. Summerfield JA, et al. **Proc Soc Exp Biol Med** 1984 Feb;175(2):158–63

Changes in phospholipid synthesis of the hepatic endoplasmic reticulum during development. Dhami MS, et al. **Prog Clin Biol Res** 1983;135:361–5

Bacteria-immune system interactions. X. Effects of aging on Balb/c mice response to Escherichia coli. Kleinman R, et al. **Prog Clin Biol Res** 1983;133:95–9

Bacteria-immune system interactions. XI. Age-associated changes in nude mice responsiveness to bacteria. Lewis JA, et al. **Prog Clin Biol Res** 1983;133:101–5

Expression of T cell associated surface antigens on lymphocytes of persons of advanced age. O'Leary JJ, et al. **Prog Clin Biol Res** 1983;133:89–93

Immunogenetics and longevity. Watson AL, et al. **Prog Clin Biol Res** 1983;133:77–88

Effects of piribedil and of d-amphetamine on locomotor activity in immature rats. Dourish CT, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(2):249–55

Effects of in vivo indomethacin treatment in aging mice. Hayari Y, et al. **Prostaglandins Leukotrienes Med** 1984 Jul; 15(1):69–78

Influence of sex steroids during early development on aortic 6-keto-PGF1 alpha synthesis in adult rats: selective sensitivity to estrogens. Wey HE, et al. **Prostaglandins Leukotrienes Med** 1983 Aug;11(4):415–6

A critical review of sleep and its disorders from a developmental perspective. Kupfer DJ, et al. **Psychiatr Dev** 1983 Winter;1(4):367–86 (79 ref.)

Aging and cortisol resistance to suppression by dexamethasone: a positive correlation. Oxenkrug GF, et al. **Psychiatry Res** 1983 Oct;10(2):125–30

A study of aging, intelligence and problem solving. Schroth ML. **Psychol Rep** 1983 Dec;53(3 Pt 2):1271–9

Perceptual categorization of color: a life-span study. Raskin LA, et al. **Psychol Res** 1983;45(2):135–45

Studies on the age-dependent nature of the response to LHRH given via different routes. Rosendahl W, et al. **Psychoneuroendocrinology** 1984;9(2):179–87

Gender, depressive subtypes, and gender-age effects on antidepressant response: hormonal hypotheses. Hamilton JA, et al. **Psychopharmacol Bull** 1984 Summer;20(3):475–80

Positron emission tomography in normal aging and Alzheimer's disease. Rapoport SI, et al. **Psychopharmacol Bull** 1984 Summer;20(3):466–71

The effect of aging on the positive chronotropic response to amitriptyline. Branconnier RJ, et al. **Psychopharmacology (Berlin)** 1984;82(3):256–7

Differential effects of apomorphine in 6-hydroxydopamine-treated and aged rats. Schechter MD, et al. **Psychopharmacology (Berlin)** 1984;83(1):99–103

Presidential address, 1982. The pharmacology of human information processing. Callaway E. **Psychophysiology** 1983 Jul;20(4):359–70 (38 ref.)

The effects of age and prestimulus duration upon reflex inhibition. Harbin TJ, et al. **Psychophysiology** 1983 Nov; 20(6):603–10

The electrodermal orienting response and memory: an analysis of age differences in picture recall. Plouffe L, et al. **Psychophysiology** 1984 Mar;21(2):191–8

Radiation dose rates to the proximal humerus of growing beagles injected with 239Pu. Bruenger FW, et al. **Radiat Res** 1984 Feb;97(2):302–17

Aging and alcohol problems. Opportunities for socioepidemiological research. Douglass RL. **Recent Dev Alcohol** 1984;2:251–66

Hormone and age-dependent regulation of alpha 2u-globulin gene expression. Roy AK, et al. **Recent Prog Horm Res** 1983;39:425–61 (67 ref.)

Aging and Cancer. Holmes FF. **Recent Results Cancer Res** 1983;87:1–75

Quantitative morphological studies of aging changes in the kidney of the Lewis rat. Bell RH Jr, et al. **Renal Physiol** 1984 May–Jun;7(3):176–84

Relationships between Leydig cell morphometry and plasma testosterone during postnatal development of the monkey, Macaca fascicularis. Fouquet JP, et al. **Reprod Nutr Dev** 1984;24(3):281–96

Enzyme potentialities of the abomasum and pancreas of the calf. I.--Effect of age in the preruminant. Guilloteau P, et al. **Reprod Nutr Dev** 1984;24(3):315–25

The effect of age on the renin-angiotensin-aldosterone systems and other physiological variables in normal subjects. Zozaya JL, et al. **Res Commun Chem Pathol Pharmacol** 1983 Dec; 42(3):463–70

Changes in the proportion and absolute number of T lymphocytes in piglets from birth until after weaning and in adults. McCauley I, et al. **Res Vet Sci** 1984 Jul;37(1):52–7

Uptakes and uses of oxygen, from gametes to maturity: an overview. Adolph EF. **Respir Physiol** 1983 Aug; 53(2):135–60 (114 ref.)

Influence of the inhalative aerosol Atrovent on airway resistance and intrathoracic gas volume in healthy volunteers of different ages. Islam MS, et al. **Respiration** 1984;45(3):225–31

Present and past alcohol consumption in Calvados (France) [letter] Tuyns AJ, et al. **Rev Epidemiol Sante Publique** 1983; 31(4):487–8

Relation between body weight, growth rate, chronological age and puberty in male and female rats. Aguilar E, et al. **Rev Esp Fisiol** 1984 Mar;40(1):83–6

Energy dispersive X-ray microanalysis of biological bulk specimens: a review of the method and its application to experimental gerontology and cancer research. Nagy I. **Scan Electron Microsc** 1983;(Pt 3):1255–68

Changes in bone mineral content of the axial skeleton in relation to aging and the menopause. Results from a longitudinal population study of women in Gothenburg, Sweden. Lindquist O, et al. **Scand J Clin Lab Invest** 1983 Jun;43(4):333–8

Age behaviour of gastric acid secretion in males and females with a normal antral and body mucosa. Kekki M, et al. **Scand J Gastroenterol** 1983 Nov;18(8):1009–16

Decreased cloning of lymphocytes from elderly individuals. Chrysostomou A, et al. **Scand J Immunol** 1984 Apr; 19(4):293–6

Autologous mixed lymphocyte reaction in man. IX. Autologous mixed lymphocyte reaction and lymphocyte subsets in aging humans. Gupta S. **Scand J Immunol** 1984 Mar;19(3):187–91

How to avoid aging effects in free recall. Dixon RA. **Scand J Psychol** 1983;24(4):335–7

The ontogeny of defensive reactions in the rat: influence of the monoamine transmission systems. Hård E, et al. **Scand J Psychol** 1982;Suppl 1:90–6

Functional capacity of men born in 1906–10, 1926–30 and 1946–50. A basic report. Heikkinen E, et al. **Scand J Soc Med [Suppl]** 1984;33:97p.

Ontogenetic changes in frequency mapping of a mammalian ear. Harris DM, et al. **Science** 1984 Aug 17;225(4663):741–3

The respiratory sinus arrhythmia: a measure of cardiac age. Hrushesky WJ, et al. **Science** 1984 Jun 1;224(4652):1001–4

New neurons form in adulthood [news] Kolata G. **Science** 1984 Jun 22;224(4655):1325–6

Dietary restriction retards age-related loss of gamma crystallins in the mouse lens. Leveille PJ, et al. **Science** 1984 Jun 15;224(4654):1247–9

Radiology of postnatal skeletal development. X. Patella and tibial tuberosity. Ogden JA. **Skeletal Radiol** 1984; 11(4):246–57

Cerebrovascular response to hypoxia in young vs aged rats. Hoffman WE, et al. **Stroke** 1984 Jan–Feb;15(1):129–33

The role of adenosine in CBF increases during hypoxia in young vs aged rats. Hoffman WE, et al. **Stroke** 1984 Jan–Feb;15(1):124–9

Regional cerebral blood flow and oxygen consumption in human aging. Pantano P, et al. **Stroke** 1984 Jul–Aug; 15(4):635–41

Noncirrhotic portal hypertension: differing patterns of disease in children and adults. Eckhauser FE, et al. **Surgery** 1983 Oct;94(4):721–8

Secretion rate and buffer effect of resting and stimulated whole saliva as a function of age and sex. Heintze U, et al. **Swed Dent J** 1983;7(6):227–38

Age-associated increments in human platelet alpha-adrenoceptor capacity. Possible mechanism for platelet hyperactivity to epinephrine in aging man. Yokoyama M, et al. **Thromb Res** 1984 May 15;34(4):287–95

Cardiovascular response to exercise in the healthy male septuagenarians: with reference to plasma norepinephrine. Miyazawa K, et al. **Tohoku J Exp Med** 1984 Jun; 143(2):177–83

Distribution and excretion of 2,3,6,2',3',6'- and 2,4,5,2',4',5'-hexachlorobiphenyl in senescent rats. Birnbaum LS. **Toxicol Appl Pharmacol** 1983 Sep 15; 70(2):262–72

Profenofos insecticide bioactivation in relation to antidote action and the stereospecificity of acetylcholinesterase inhibition, reactivation, and aging. Glickman AH, et al. **Toxicol Appl Pharmacol** 1984 Mar 30;73(1):16–22

Influence of aging on the susceptibility of rats to hepatotoxic injury. Rikans LE. **Toxicol Appl Pharmacol** 1984 Apr; 73(2):243–9

Postnatal ontogeny of metallothionein in various organs of the rat. Waalkes MP, et al. **Toxicol Appl Pharmacol** 1984 Jul;74(3):314–20

Effect of fasting, induction, sex and age on clearance of benz(a)anthracene and chrysene by isolated perfused rat liver. Fiume M, et al. **Toxicol Lett** 1983 Oct–Nov; 19(1–2):73–9

Failing memory. Rose FC. **Trans Med Soc Lond** 1981–82; 98:11–6

Aging and hematopoiesis. II. The ability of bone marrow cells from young and aged mice to cure and maintain cure in W/Wv. Boggs DR, et al. **Transplantation** 1984 Mar; 37(3):300–6

Immunological considerations in renal transplantation in young patients. Roth D, et al. **Transplantation** 1984 Jun; 37(6):612–6

Peliosis hepatis-like lesion in aging rats. Lee KP. **Vet Pathol** 1983 Jul;20(4):410–23

Animals in aging research: requirements, pitfalls and a challenge for the laboratory animal specialist. Solleveld HA, et al. **Vet Q** 1984 Apr;6(2):96–101 (30 ref.)

The effect of physiological parameters on serum lactate dehydrogenase isoenzymes in lambs. Beatty EM, et al. **Vet Res Commun** 1984 Feb;8(1):33–40

Fibroblast changes in cutaneous ageing. Pieraggi MT, et al. **Virchows Arch [A]** 1984;402(3):275–87

Aging—immunologic changes—autoimmunity. Basu S. **Wis Med J** 1983 Sep;82(9):16–8

A clinician's guide to the physiology of aging. Gambert SR. **Wis Med J** 1983 Aug;82(8):13–5

Xerostomia: not a phenomenon of aging. Lloyd PM. **Wis Med J** 1983 Sep;82(9):21–2

Thiamin—the interaction of aging, alcoholism, and malabsorption in various populations. Baum RA, et al. **World Rev Nutr Diet** 1984;44:85–116 (150 ref.)

Changes of metabolism and substrate-binding spectrum of emorfazone between immature and mature guinea-pigs. Hayashi T, et al. **Xenobiotica** 1983 Aug;13(8):461–6

Pharmacokinetics of pipemidic acid in healthy middle-aged volunteers and elderly patients with renal insufficiency. Männistö P, et al. **Xenobiotica** 1984 Apr;14(4):339–47

Body weights, absolute and relative organ weights by maturation and ageing (with sexual differences), and their importance as measures of reference for metabolic investigations. Eurich RE, et al. **Z Gerontol** 1984 Mar–Apr; 17(2):60–8

Aminoacyl-tRNA synthetases in liver, spleen and small intestine of aged leukemic and aged normal mice. Gabius HJ, et al. **Z Naturforsch [C]** 1983 Sep–Oct;38(9–10):881–2

Hands and old age. Dénes Z. **ZFA** 1983 Nov–Dec;38(6):473–8

[Age-related characteristics of the normal blood content of lipids and lipoproteins and in arterial hypertension] Tokar AV, et al. **Vutr Boles** 1983;22(5):71–6 (Eng. Abstr.) **(Bul)**

[Preliminary investigation on relationship between blood chemical components and aging process of healthy adults] Lin QS, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1983 Oct; 5(5):303–6 (Eng. Abstr.) **(Chi)**

[Biomembrane and aging] Tang CY. **Sheng Li Ko Hsueh Chin Chan** 1983 Jul;14(3):272–4 **(Chi)**

[The thymus and aging] Xu XX, et al. **Sheng Li Ko Hsueh Chin Chan** 1983 Jul;14(3):275–7 **(Chi)**

[The effect of aging on the metabolism of thyroid hormones] Felt V, et al. **Cas Lek Cesk** 1984 Mar 9;123(10):294–8 (Eng. Abstr.) **(Cze)**

[Cytogenetics of aging] Musilová J, et al. **Cas Lek Cesk** 1983 Jul 8;122(27):833–6 (Eng. Abstr.) **(Cze)**

[Does immunity age with us or do we age with immunity?] Nouza K. **Cas Lek Cesk** 1984 Jan 6;123(1):5–9 (Eng. Abstr.) **(Cze)**

[Tasks and problems in geriatrics as a science] Pacovský V. **Cas Lek Cesk** 1984 Mar 9;123(10):273–7 (Eng. Abstr.) **(Cze)**

[Ontogenesis of cortical responses to acoustic stimulation (experimental findings in mammals)] Myslivecek J. **Cesk Fysiol** 1983;32(6):503–20 (76 ref.) **(Cze)**

[Why do women age faster, but men die earlier? Evolutionary aspects of menopause] Presl J. **Cesk Gynekol** 1983 Aug; 48(7):500–4 **(Cze)**

[General neuropathology of aging. I] Fischer J. **Cesk Psychiatr** 1984 Feb;80(1):21–6 **(Cze)**

[Effect of age and sex on the values of commonly used indicators of thyroid function] Zamrazil V, et al. **Vnitr Lek** 1983 Nov;29(11):1082–8 (Eng. Abstr.) **(Cze)**

[Aging and the prostate gland] Coolsaet BL. **Ned Tijdschr Geneeskd** 1983 Nov 12;127(46):2094–101 **(Dut)**

[Immune function and aging in man] Schuurman HJ, et al. **Tijdschr Gerontol Geriatr** 1983 Oct;14(5):187–94 (50 ref.) (Eng. Abstr.) **(Dut)**

[Pharmacokinetics of digoxin in the aged] van der Aa GC. **Tijdschr Gerontol Geriatr** 1984 Apr;15(2):67–71 (Eng. Abstr.) **(Dut)**

[Being old in ancient Hellas] van Hooff AJ. **Tijdschr Gerontol Geriatr** 1983 Aug;14(4):141–8 (Eng. Abstr.) **(Dut)**

[Neurophysins, vasopressin and cognitive function in aging] Legros JJ, et al. **Acta Psychiatr Belg** 1983 Jul–Aug; 83(4):332–48 (Eng. Abstr.) **(Fre)**

[Aging: genetic aspects] Lints FA. **Acta Psychiatr Belg** 1983 Jul–Aug;83(4):323–31 (Eng. Abstr.) **(Fre)**

[Psychometric approach to aging. Brief review] Mormont C. **Acta Psychiatr Belg** 1983 Jul–Aug;83(4):359–67 (Eng. Abstr.) **(Fre)**

[Aging of the eyelids] Morax S. **Ann Chir Plast Esthet** 1984; 29(2):115–22 (Eng. Abstr.) **(Fre)**

[Demonstration of a double subcellular localization of cerebral fucosyltransferase] Léon M, et al. **Arch Int Physiol Biochim** 1983 Jul;91(2):121–5 (Eng. Abstr.) **(Fre)**

[Pressure wave morphology and cardiovascular aging] Sebban C, et al. **Arch Mal Coeur** 1984 Apr;77(4):480–7 (Eng. Abstr.) **(Fre)**

[From physiologic muscular senescence to pathologic muscular senescence] Serratrice G. **Bull Acad Natl Med (Paris)** 1983 Sep–Oct;167(7):715–20 (Eng. Abstr.) **(Fre)**

[Ultrastructural study of the photoreceptors of the human retina during aging] Caratero C, et al. **Bull Assoc Anat (Nancy)** 1983 Jun;67(197):169–80 (Eng. Abstr.) **(Fre)**

[Aging phenomena of the maxillomandibular structures. Preliminary study] Laude M, et al. **Bull Group Int Rech Sci Stomatol Odontol** 1984 Apr; 27(2):107–18 (Eng. Abstr.) **(Fre)**

[Postnatal development of oxidative metabolism of the epididymis in rats] Delongeas JL, et al. **C R Seances Acad Sci [III]** 1984;298(1):19–22 (Eng. Abstr.) **(Fre)**

[Aging of the eyelids] Lemagne JM. **J Fr Ophtalmol** 1984; 7(1):71–8 **(Fre)**

[Age and photopic and mesopic visual acuity] Vola JL, et al. **J Fr Ophtalmol** 1983;6(5):473–9 (Eng. Abstr.) **(Fre)**

[International symposium. Cerebrovascular pathology and pathology of the aging brain. Monte Carlo, 3–4 December 1982] **Presse Med** 1983 Dec 29;12(48):3021–185 **(Fre)**

[Neuromediators in the brain of the aged] Kopp N, et al. **Presse Med** 1983 Dec 29;12(48):3103–7 (55 ref.) (Eng. Abstr.) **(Fre)**

[Aging of cognitive functions. Results of a longitudinal study] Poitrenaud J, et al. **Presse Med** 1983 Dec 29;12(48):3119–23 (Eng. Abstr.) **(Fre)**

[Changes in the neuronal milieu of the basal ganglia in the aged subject may concern neuropeptides (letter)] Yamaura HI, et al. **Presse Med** 1983 Dec 29;12(48):3108 **(Fre)**

[Immunology of aging] Gualde N, et al. **Rev Med Interne** 1983 Sep;4(3):237–45 (72 ref.) **(Fre)**

[Development of aphasic symptomatology with age. Discussion apropos of an anatomo-clinical case] Joanette Y, et al. **Rev Neurol (Paris)** 1983;139(11):657–64 (Eng. Abstr.) **(Fre)**

[Endocrine function in old age (70 years and over)] Mineur P, et al. **Schweiz Med Wochenschr** 1983 Sep 17; 113(37):1310–9 (Eng. Abstr.) **(Fre)**

[The gerontogenicity test (G–G test): a new application of the experimental precocious aging syndrome] Rohan P. **Union Med Can** 1983 Dec;112(12):1165–6 (Eng. Abstr.) **(Fre)**

[Various aspects of the histochemical reaction of fallopian tube epithelium in the aging female] Schultka R. **Acta Histochem [Suppl] (Jena)** 1984;30:337–9 **(Ger)**

[Cell culture as an experimental system for studying aging processes] Steinhardt M. **Aktuel Gerontol** 1983 Nov; 13(6):223–5 (Eng. Abstr.) **(Ger)**

[Age and sex dependence of the diameter of the lumen of the ascending, thoracic and abdominal aorta] Jäger E, et al. **Anat Anz** 1984;155(1–5):143–6 (Eng. Abstr.) **(Ger)**

[An error in the Reichert–Gaupp theory. A contribution to onto- and phylogenesis of the temporomandibular joint and ear ossicles in mammals] Otto HD. **Anat Anz** 1984; 155(1–5):223–38 (Eng. Abstr.) **(Ger)**

[Development of conditions for iron absorption and conversion in calves during the transitional phase of preruminant to ruminant digestion (age 0–90 d). 2. Development of feed consumption, iron intake, red blood cell count and iron metabolism parameters in drinking calves] Bünger U, et al. **Arch Exp Veterinarmed** 1983 Nov; 37(6):863–87 (Eng. Abstr.) **(Ger)**

[Measurements of dental stress resistance at various stages in aging] Voelker H, et al. **Dtsch Zahnarztl Z** 1984 Jan; 39(1):54–9 (Eng. Abstr.) **(Ger)**

[Age dependence of some hematological parameters in the Wistar:Schönwalde strain of white laboratory rat] Wolf G. **Folia Haematol (Leipz)** 1984;111(1):86–96 (Eng. Abstr.) **(Ger)**

[Significance of experimental gerontology for modern geriatrics] Platt D. **Fortschr Med** 1983 Sep 1; 101(33):1447–8, 1485 **(Ger)**

[Quantitative and qualitative aspects of the representation of aging curves for the histological composition of the human submandibular gland by empirical regression] Peil J, et al. **Gegenbaurs Morphol Jahrb** 1984;130(3):461–72 (Eng. Abstr.) **(Ger)**

[Aging mechanisms of the skin] **Hautarzt** 1983;34 Suppl 6:93–120 **(Ger)**

[Nutrition in the aged] Wolfram G, et al. **Internist (Berlin)** 1984 May;25(5):307–12 **(Ger)**

[Relation between lipofuscin content and organelle density in pyramidal cells of laminae III and V of area 10 (Brodmann) of the cerebral frontal lobe of humans of different ages] Rösler B, et al. **J Hirnforsch** 1983; 24(4):415–24 (Eng. Abstr.) **(Ger)**

[Topography of age-related size changes in corneal endothelial cells] Schimmelpfennig B. **Klin Monatsbl Augenheilkd** 1984 May;184(5):353–6 (Eng. Abstr.) **(Ger)**

[Long-term study of age-related changes in brain stem potentials in the guinea pig] Dum N, et al. **Laryngol Rhinol Otol (Stuttg)** 1983 Aug;62(8):378–82 (Eng. Abstr.) **(Ger)**

[Drugs and the aged] Platt D. **Med Monatsschr Pharm** 1983 Sep;6(9):269–74 **(Ger)**

[Gerontologic sports medicine] Biener K, et al. **Med Welt** 1983 Sep 2;34(35):919–22 **(Ger)**

[Immunocompetence and old age] Erdmann H. **Onkologie** 1984 Apr;7(2):113–7 **(Ger)**

[Remarks on the physiology and physiopathology of aging] Fliedner TM. **Onkologie** 1984 Apr;7(2):68–81 (33 ref.) **(Ger)**

[Geriatric aspects of oncology] Kleeberg UR. **Onkologie** 1984 Apr;7(2):63–6 (21 ref.) **(Ger)**

[Dose- and age-dependence of the renal tubular transport of p-aminohippuric acid (PAH) in rats after injection of single doses] Bräunlich H, et al. **Pharmazie** 1983 Jul; 38(7):483–5 (Eng. Abstr.) **(Ger)**

[Circadian and ontogenetic changes in sensitivity to sodium phenobarbital in the golden hamster] Gattermann R, et al. **Pharmazie** 1983 Nov;38(11):779–80 **(Ger)**

[Drugs and organisms (III)—Effect of age on pharmacokinetic parameters and biotransformation] Pfeifer S. **Pharmazie** 1983 Sep;38(9):636–40 **(Ger)**

[Subungual calcification in the normal nail bed of the toes] Fischer E. **Radiologe** 1984 Jan;24(1):31–4 (Eng. Abstr.) **(Ger)**

[Position of the spinal cord and the depth of the peridural space as a function of spinal column kyphosis and age] Verlic L, et al. **Reg Anaesth** 1983 Oct;6(4):80–2 (Eng. Abstr.) **(Ger)**

[Aging: a medical, social and political challenge] Stähelin HB. **Soz Praventivmed** 1983;28(6):266–7 **(Ger)**

[Nonoligophrenic encopretic children as young adults—a catamnestic study] Geissler W. **Z Arztl Fortbild (Jena)** 1983; 77(20):859–62 (Ger)

[Aging 2000: our health care destiny. International symposium. Houston, Texas, October 23–26, 1983] **Z Gerontol** 1983 Nov–Dec;16(6):295–313 (Ger)

[Age-dependent gene induction in the quail oviduct. Role of post-transcriptional changes in the aging process] Bachmann M, et al. **Z Gerontol** 1984 Mar–Apr;17(2):78–84 (Eng. Abstr.) (Ger)

[Vascular changes in the lower extremities and their significance for tissue oxygen supply in middle and old age] Korkuschko OW, et al. **Z Gerontol** 1984 Jan–Feb; 17(1):39–44 (Eng. Abstr.) (Ger)

[Traffic-related mobility in the elderly] Mathey FJ. **Z Gerontol** 1983 Nov–Dec;16(6):284–9 (Eng. Abstr.) (Ger)

[Development and preservation of locomotor ability in the aged] Meusel H. **Z Gerontol** 1983 Nov–Dec;16(6):270–6 (Eng. Abstr.) (Ger)

[Possible causes of change in collagen metabolism in aging] Struck H. **Z Gerontol** 1984 Mar–Apr;17(2):85–8 (Eng. Abstr.) (Ger)

[Morphologic changes in the myelin-poor hypothalamus in involution and senescence in relation to the involution of the gonads] Ule G. **Z Gerontol** 1983 Jul–Aug;16(4):174–6 (Eng. Abstr.) (Ger)

[Age dependence of the early reaction in glycosaminoglycan metabolism of the rat liver on damage following a single dose of thioacetamide] Willemer S, et al. **Z Gerontol** 1984 May–Jun;17(3):150–6 (Eng. Abstr.) (Ger)

[Changes in food consumption in relation to age] Wirths W, et al. **Z Gerontol** 1983 Jul–Aug;16(4):185–9 (Eng. Abstr.) (Ger)

[Methods for the determination of psycho-social performance within the scope of a model for objectivizing biological age] Pöthig D, et al. **Z Gesamte Inn Med** 1983 Nov 15; 38(22):609–15 (Eng. Abstr.) (Ger)

[Increase in body height and weight of boys and girls of school age with special reference to social class. I. Methodological bases] Müller-König T. **Z Morphol Anthropol** 1983;74(2):199–224 (Eng. Abstr.) (Ger)

[Quantitative changes in the elastic fibers of the human oral mucosa of the hard palate and cheek at various ages] Rossa B, et al. **Zahn Mund Kieferheilkd** 1984;72(3):217–22 (Eng. Abstr.) (Ger)

[Profundaplasty in older persons] Schmidt R, et al. **Zentralbl Chir** 1984;109(7):459–64 (Eng. Abstr.) (Ger)

[Sports in old age from the orthopedic viewpoint] Apel J, et al. **ZFA** 1983 Nov–Dec;38(6):427–33 (Eng. Abstr.) (Ger)

[Vasoactive drugs and microcirculation in old age] de Nicola P, et al. **ZFA** 1983 Nov–Dec;38(6):467–71 (Eng. Abstr.) (Ger)

[Iatrogenic disorders of the pancreas in old age] Dietze F. **ZFA** 1983 Nov–Dec;38(6):420–6 (Eng. Abstr.) (Ger)

[Nutritional characteristics of persons in middle and old age in an area with a high life expectancy (the Abkhazian ASSR)] Grigorov JuG, et al. **ZFA** 1984 Jul–Aug; 39(4):215–21 (Eng. Abstr.) (Ger)

[Selected results of a stomatological study of Veterans University students at Humboldt University in Berlin] Höcker M, et al. **ZFA** 1983 Sep–Oct;38(5):389–94 (Eng. Abstr.) (Ger)

[Clinicopharmacological and therapeutic peculiarities in geriatric cardiology] Lang E. **ZFA** 1983 Sep–Oct; 38(5):369–75 (Eng. Abstr.) (Ger)

[Simulation of the effect of biologically active substances in models] Laue R, et al. **ZFA** 1983 Jul–Aug;38(4):277–82 (Eng. Abstr.) (Ger)

[Drug therapy in neurogeriatrics] Mankovskij NB, et al. **ZFA** 1983 Nov–Dec;38(6):459–66 (Eng. Abstr.) (Ger)

[The effect of aging on intestinal absorption] Pénzes L. **ZFA** 1984 Jan–Feb;39(1):37–42 (Eng. Abstr.) (Ger)

[Antibody-dependent cytotoxicity capacity of healthy women and men in old age] Regius O, et al. **ZFA** 1984 Jul–Aug;39(4):211–4 (Eng. Abstr.) (Ger)

[Dietary fat analysis—a contribution to the problem of nutrition and aging] Reuter W, et al. **ZFA** 1984 May–Jun; 39(3):129–34 (Eng. Abstr.) (Ger)

[Clinical significance of arteriosclerosis indices of lipid metabolism and age dependence] Reuter W, et al. **ZFA** 1983 Sep–Oct;38(5):361–7 (Eng. Abstr.) (Ger)

[Age-dependence of oxygen transport into body tissues and the favorable modification of this transport by multistep oxygen therapy] von Ardenne M. **ZFA** 1984 Jul–Aug; 39(4):187–210 (Eng. Abstr.) (Ger)

[Senile changes in the resorption and elimination processes and their importance in pharmacotherapy] Weiner R, et al. **ZFA** 1983 Sep–Oct;38(5):355–60 (Eng. Abstr.) (Ger)

[Changes in the structure and functional state of the synapse membrane of the aged brain in rodents] Hershkowitz M. **Harefuah** 1983 Jul;105(1–2):25–7 (Heb)

[Evaluation of age-related changes of erythrocyte filtration] Gelmini G, et al. **Acta Biomed Ateneo Parmense** 1983; 54(4):311–7 (Eng. Abstr.) (Ita)

[Rate of erythrocyte sedimentation in buffaloes in related to age] d'Angelo A, et al. **Boll Soc Ital Biol Sper** 1984 Mar 30;60(3):679–85 (Eng. Abstr.) (Ita)

[Microcirculatory changes in infancy and old age] Malossi M, et al. **Minerva Med** 1984 Jun 23;75(26):1607–12 (Eng. Abstr.) (Ita)

[Work, aging and retirement. Medicolegal and medico-social problems] Rotondo G. **Riv Med Aeronaut Spaz** 1982 Jan–Dec;47(1–4):21–9 (Ita)

[The aged pilot. Aging and air piloting activity] Rotondo G, et al. **Riv Med Aeronaut Spaz** 1982 Jan–Dec;47(1–4):31–8 (Eng. Abstr.) (Ita)

[Aging and development, growth and spreading of cancer] Kanisawa M, et al. **Gan No Rinsho** 1983 Aug; 29(10):1136–42 (Eng. Abstr.) (Jpn)

[Problems on cancer patients in the aged—from the viewpoint of gastroenterotomy] Nishi M, et al. **Gan No Rinsho** 1983 Aug;29(10):1143–50 (Eng. Abstr.) (Jpn)

[Lung cancer in the aged—with special reference to radiation therapy] Yamanaka M, et al. **Gan No Rinsho** 1983 Aug; 29(10):1160–6 (Eng. Abstr.) (Jpn)

[Problems in urinary bladder cancer in the aged] Yokokawa M, et al. **Gan No Rinsho** 1983 Aug;29(10):1151–4 (Eng. Abstr.) (Jpn)

[Changes of serum testosterone-estradiol-binding globulin, follicular stimulating hormone, luteinizing hormone, estradiol, progesterone, and testosterone levels in women associated with aging] Kamatsuki S. **Igaku Kenkyu** 1982 Nov;52(5):243–55 (Eng. Abstr.) (Jpn)

[Aging and metabolic changes in women in Okinawa] Sunagawa K. **Igaku Kenkyu** 1982 Dec;52(6):367–79 (Eng. Abstr.) (Jpn)

[Effect of aging on tuberculosis in dialysis patients] Inamoto H. **Kansenshogaku Zasshi** 1983 Nov;57(11):941–5 (Eng. Abstr.) (Jpn)

[Manganese metabolism in rats of various ages] Nishimura Y, et al. **Nippon Eiseigaku Zasshi** 1983 Oct;38(4):764–71 (Eng. Abstr.) (Jpn)

[Electron microscopic studies on the effects of aging on retinal small vessels] Mizobuchi K, et al. **Nippon Ganka Gakkai Zasshi** 1983;87(8):587–94 (Eng. Abstr.) (Jpn)

[Aging changes of the retina and choroid in the macular region in humans. (3). An electron microscopic study on the retinal pigment epithelium] Mizuno K, et al. **Nippon Ganka Gakkai Zasshi** 1984 Mar;88(3):641–52 (Eng. Abstr.) (Jpn)

[Cineradiographic analysis of laryngeal movement during deglutition—with special reference to aging] Furukawa K. **Nippon Jibiinkoka Gakkai Kaiho** 1984 Feb;87(2):169–81 (Eng. Abstr.) (Jpn)

[Amplitude and velocity of the movement of the center of gravity in Romberg's posture—age-related changes and diagnostic values] Ikegami A. **Nippon Jibiinkoka Gakkai Kaiho** 1983 Aug;86(8):886–98 (Eng. Abstr.) (Jpn)

[Aging and pulmonary metabolism—an experimental study using rats] Kitamura S, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 May; 21(5):486–91 (Eng. Abstr.) (Jpn)

[Aging and hormones] Ibayashi H. **Nippon Naibunpi Gakkai Zasshi** 1983 Nov 20;59(11):1783–9 (Jpn)

[Effect of aging on blood catecholamine under 3 conditions of sodium intake—comparison between normal subjects and patients with essential hypertension] Masuo K, et al. **Nippon Naibunpi Gakkai Zasshi** 1983 Sep 20;59(9):1276–85 (Eng. Abstr.) (Jpn)

[Changes in testosterone and dihydrotestosterone in the rat submandibular gland during development] Tarui M, et al. **Nippon Naibunpi Gakkai Zasshi** 1983 Jul 20;59(7):1013–21 (Eng. Abstr.) (Jpn)

[Clinical studies of the lung in the aged] Harasawa M. **Nippon Naika Gakkai Zasshi** 1984 Feb;73(2):186–8 (Jpn)

[Age-related changes of the connective tissue] Fujimoto D. **Nippon Rinsho** 1984 May;42(5):1067–72 (Jpn)

[Drug metabolism in the aged patients] Katsunuma H. **Nippon Rinsho** 1983 Oct;41(10):2238–47 (Jpn)

[Vitamins and the aged] Orimo H. **Nippon Rinsho** 1983 Oct; 41(10):2325–32 (Jpn)

[Alzheimer's disease] Shinfuku N. **Nippon Rinsho** 1983 Oct; 41(10):2226–31 (Jpn)

[Aging and serum lipoprotein changes] Takeuchi N. **Nippon Rinsho** 1983 Aug;41(8):1898–905 (Jpn)

[25th meeting of the Japan Geriatric Society. October 27–29, 1983, Sendai. Abstracts] **Nippon Ronen Igakkai Zasshi** 1983 Sep;20 Suppl:33–123 (Jpn)

[Metabolic characteristics in the aged with diabetic patients] Akanuma Y, et al. **Nippon Ronen Igakkai Zasshi** 1983 May; 20(3):222–6 (Jpn)

[Pancreatic endocrine function in diabetes mellitus of the aged] Doi K, et al. **Nippon Ronen Igakkai Zasshi** 1983 May; 20(3):212–7 (Jpn)

[Hand dexterity related to age: pegboard test as an indicator of aging and brain dysfunction] Eto F, et al. **Nippon Ronen Igakkai Zasshi** 1983 Sep;20(5):405–9 (Eng. Abstr.) (Jpn)

[Morphological studies on aging of the spinal cord—a quantitative study of lipofuscin using an image analyzer] Hirunagi N. **Nippon Ronen Igakkai Zasshi** 1983 Mar; 20(2):143–53 (Eng. Abstr.) (Jpn)

[What is Aging?] Imahori K. **Nippon Ronen Igakkai Zasshi** 1984 Jan;21(1):1–7 (Eng. Abstr.) (Jpn)

[Aging of the nervous system—with special reference to dementia in the aged] Kameyama M. **Nippon Ronen Igakkai Zasshi** 1983 Jan;20(1):1–11 (29 ref.) (Jpn)

[Oxidative phosphorylation of liver mitochondria in the aged rats] Katsumata K, et al. **Nippon Ronen Igakkai Zasshi** 1983 Sep;20(5):371–5 (Eng. Abstr.) (Jpn)

[Effect of aging on cerebrospinal fluid GABA level] Kuroda H, et al. **Nippon Ronen Igakkai Zasshi** 1983 Nov; 20(6):500–5 (Eng. Abstr.) (Jpn)

[Glucose intolerance associated with aging: tissue sensitivity to insulin assessed by euglycemic glucose clamp] Kuzuya H, et al. **Nippon Ronen Igakkai Zasshi** 1983 May; 20(3):218–21 (Jpn)

[Aging change of bone marrow cell; change of the rate of DNA synthesis] Okabe T, et al. **Nippon Ronen Igakkai Zasshi** 1983 Nov;20(6):459–62 (Eng. Abstr.) (Jpn)

[Aging and vitamin D] Onishi T, et al. **Nippon Ronen Igakkai Zasshi** 1983 Mar;20(2):112–5 (Jpn)

[Diagnosis of diabetes mellitus in the aged] Orimo H, et al. **Nippon Ronen Igakkai Zasshi** 1983 May;20(3):208–11 (Jpn)

[Effects of vitamins B2 and B6 on aging and the immune system] Saito Y, et al. **Nippon Ronen Igakkai Zasshi** 1983 Mar;20(2):93–6 (Jpn)

[Age differences in cortisone-induced changes of mouse hepatic cells. 3. Ultramicro-determination of mitochondrial crista dimensions] Sato T, et al. **Nippon Ronen Igakkai Zasshi** 1983 Jul;20(4):287–93 (Eng. Abstr.) (Jpn)

[Management of elderly diabetics] Shima K, et al. **Nippon Ronen Igakkai Zasshi** 1983 May;20(3):234–8 (Jpn)

[Effect of aging on the bone mineral content. Part III. The difference in the loss of bone mineral with aging between male and female] Shiraki M, et al. **Nippon Ronen Igakkai Zasshi** 1984 Jan;21(1):8–13 (Eng. Abstr.) (Jpn)

[Aging and polyglucosan bodies observed in the muscle biopsy materials] Tomonaga M, et al. **Nippon Ronen Igakkai Zasshi** 1983 Jul;20(4):330–4 (Eng. Abstr.) (Jpn)

[Aging and delta 4-androstenedione and testosterone production in the ovary] Nagasako S. **Nippon Sanka Fujinka Gakkai Zasshi** 1983 Nov; 35(11):1945–54 (Eng. Abstr.) (Jpn)

[Histopathological study of aging of the posterior portion of human cervical vertebral bodies and discs—with special reference to the early ossification of the posterior longitudinal ligament] Honda H. **Nippon Seikeigeka Gakkai Zasshi** 1983 Dec;57(12):1881–93 (Eng. Abstr.) (Jpn)

[Positron emission tomographic studies using C-11-glucose in normal aging and cerebrovascular dementia] Ujike T, et al. **No To Shinkei** 1984 Jun;36(6):559–66 (Eng. Abstr.) (Jpn)

[Relationship between appearance frequency of auto antibodies and lymphocyte count by age] Kumagai E, et al. **Rinsho Byori** 1983 Apr;31(4):431–4 (Jpn)

[Fluctuations of EB virus-related antibody titer associated with aging] Kumagai E, et al. **Rinsho Byori** 1983 Jun; 31(6):661–5 (Jpn)

[Aging and health control] Miyazawa K. **Rinsho Byori** 1984 Jan;32(1):33–7 (Jpn)

[Aging and endocrinologic tests] Ohsawa N. **Rinsho Byori** 1984 Jan;Spec No 58:29–49 (64 ref.) (Jpn)

[Senile changes in the basal dendrites of the pyramidal cells in the human motor cortex—a quantitative Golgi study] Nakamura S, et al. **Rinsho Shinkeigaku** 1984 Jan;24(1):85–95 (Eng. Abstr.) (Jpn)

[Functional hemisphere differences in auditory and tactile recognition in aged people] Hatta T, et al. **Shinrigaku Kenkyu** 1984 Feb;54(6):358–63 (Eng. Abstr.) (Jpn)

[Effect of nutrition on the longevity of mammals] Ziemlański S, et al. **Acta Physiol Pol** 1983;34 Suppl 25:159–80 (Pol)

[Mineralogical and chemical analysis of the human femur during aging] Kita S, et al. **Chir Narzadow Ruchu Ortop Pol** 1983;48(1):87–91 (Eng. Abstr.) (Pol)

[The state of the retina in healthy and aphakic eyes after the age of 40] Myszka-Maćkowiakowa A. **Klin Oczna** 1984 Jan;86(1):27–9 (Eng. Abstr.) (Pol)

[N-acetyl-beta-glucosaminidase of peripheral blood lymphocytes in the ontogenic development of man] Lisiewicz J, et al. **Patol Pol** 1983 Apr–Jun;34(2):221–8 (Eng. Abstr.) (Pol)

[Geriatric pharmacology] Danysz A. **Pol Tyg Lek** 1983 Oct 31;38(44):1349–52 (Pol)

[Effect of aging on insulin and growth hormone secretion] Gerlach J. **Pol Tyg Lek** 1983 Oct 31;38(44):1353–6 (Eng. Abstr.) (Pol)

[Aging and its relation to arteriosclerosis] Zakowska-Wachelko B, et al. **Pol Tyg Lek** 1983 Jun 27; 38(26):801–4 (Pol)

[Selected morphological features of the rat liver 2–97 days of life] Koch I. **Probl Med Wieku Rozwoj** 1983;12:357–62 (Eng. Abstr.) (Pol)

[Biological nature of the aging process] Hankiewicz J. **Wiad Lek** 1984 Mar 1;37(5):371–7 (24 ref.) (Pol)

[Pathophysiology of the digestive tract in elderly persons

(I)] Ziemlański S. **Wiad Lek** 1983 Nov 15;36(22):1913–9 **(Pol)**

[Age characteristics of the projections of the heart and its foramina on the anterior thoracic wall in newborn infants and children younger than 7 years of age] Kasym-Khodzhaev I. **Arkh Anat Gistol Embriol** 1983 Oct; 85(10):34–9 (Eng. Abstr.) **(Rus)**

[Skeletal growth and aging parameters due to heredity at different stages of ontogeny] Kogan BI. **Arkh Anat Gistol Embriol** 1984 Feb;86(2):58–65 (Eng. Abstr.) **(Rus)**

[Ultrastructural changes in elements of skeletal muscle tissue during late ontogeny in the rat] Sidel'nikova LP. **Arkh Anat Gistol Embriol** 1984 Jun;86(6):69–75 (Eng. Abstr.) **(Rus)**

[Age characteristics of the interaction between fluorescent probes and thyroxine with the membranes of rat liver microsomes] Lemeshko VV. **Biofizika** 1983 Nov–Dec; 28(6):985–9 (Eng. Abstr.) **(Rus)**

[Ratio of the phenotype frequencies of ABO blood groups in Nivkhi in various age groups] Bakholdina VIu. **Biol Nauki** 1983;(7):51–3 (Eng. Abstr.) **(Rus)**

[Posttranslational deamidation of crystalline lens proteins during animal aging] Krichevskaia AA, et al. **Biol Nauki** 1984;(7):23–8 (Eng. Abstr.) **(Rus)**

[Effect of hyperoxia on the oxyhemoglobin dissociation curve in various periods of aging] Ivanov LA, et al. **Biull Eksp Biol Med** 1984 Aug;97(8):156–8 (Eng. Abstr.) **(Rus)**

[Characteristic effects of rabbit liver extract on hepatocyte proliferation in the regenerating liver of mice of various ages] Karmanov PA, et al. **Biull Eksp Biol Med** 1983 Nov; 96(11):119–22 (Eng. Abstr.) **(Rus)**

[Myocardial hypertrophy during experimental hypertension in young and old animals] Kopylova GV, et al. **Biull Eksp Biol Med** 1984 Jul;97(7):11–4 (Eng. Abstr.) **(Rus)**

[Renewal of mitochondrial DNA in the liver of rats of different ages] Litoshenko ALa. **Biull Eksp Biol Med** 1984 Mar;97(3):299–301 (Eng. Abstr.) **(Rus)**

[Activity of natural killer cells and their sensitivity to interferon in aged mice] Van'ko LV, et al. **Biull Eksp Biol Med** 1984 Apr;97(4):440–3 (Eng. Abstr.) **(Rus)**

[Age-related characteristics of the lipid fatty acid composition of the nuclear structures in the liver cells of white rats] Nikitin VN, et al. **Dokl Akad Nauk SSSR** 1984; 274(4):972–4 **(Rus)**

[Characteristics of uptake of neurotransmitter amino acids in brain preparations of aging albino rats] Aprikian GV, et al. **Fiziol Zh** 1984 Jan–Feb;30(1):69–73 (Eng. Abstr.) **(Rus)**

[Effect of adrenaline, insulin and estradiol dipropionate on the electrical activity and excitability of the hypothalamic nuclei in animals of different ages] Bezrukov VV. **Fiziol Zh** 1984 Jan–Feb;30(1):85–91 (Eng. Abstr.) **(Rus)**

[Functional state of the left heart ventricle in young and old rabbits during the development of atherosclerosis following experimental renovascular hypertension] Cherkasskiĭ LP. **Fiziol Zh** 1984 Mar–Apr;30(2):167–73 (Eng. Abstr.) **(Rus)**

[Origins of the current development of the science of the physiology of aging in the Ukraine] Duplenko IuK. **Fiziol Zh** 1984 Jan–Feb;30(1):102–6 (Eng. Abstr.) **(Rus)**

[Neurotrophic mechanisms of aging] Frol'kis VV. **Fiziol Zh** 1984 Jan–Feb;30(1):73–80 (Eng. Abstr.) **(Rus)**

[Molecular physiology of aging] Frol'kis VV. **Fiziol Zh** 1984 May–Jun;30(3):309–16 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of the effect of various amounts of dietary proteins and free amino acids on the longevity of animals] Grigorov IuG, et al. **Fiziol Zh** 1984 Jan–Feb; 30(1):24–9 (Eng. Abstr.) **(Rus)**

[Effect of vasopressin on vascular smooth muscles in animals of different ages] Gurevich MI, et al. **Fiziol Zh** 1984 Jan–Feb;30(1):107–10 **(Rus)**

[The hemato–testicular barrier and autoimmune reactions during ontogenesis] Il'chevich NV, et al. **Fiziol Zh** 1984 Jan–Feb;30(1):91–6 (Eng. Abstr.) **(Rus)**

[Vitamins and periodic fasting as possible factors in the experimental prolongation of life] Konoplia EF, et al. **Fiziol Zh** 1984 Jan–Feb;30(1):16–24 (Eng. Abstr.) **(Rus)**

[Permeability of the inner and outer layers of the aortic wall in normal animals of various ages and in experimental renovascular hypertension] Kozhura IP, et al. **Fiziol Zh** 1984 Jul–Aug;30(4):438–44 (Eng. Abstr.) **(Rus)**

[Aldosterone binding by kidney cell receptors in adult and aging rats] Magdich LV, et al. **Fiziol Zh** 1984 Jan–Feb; 30(1):119–21 **(Rus)**

[The orientation reflex in human aging] Man'kovskiĭ NB, et al. **Fiziol Zh** 1984 Jan–Feb;30(1):81–5 (Eng. Abstr.) **(Rus)**

[Determination of individual biological age and evaluation of the degree of aging] Mints ALa, et al. **Fiziol Zh** 1984 Jan–Feb;30(1):39–45 (Eng. Abstr.) **(Rus)**

[Circulating immune complexes in experimental hypertension and the combination of hypertension with cholesterol administration in animals of various ages] Naumova OP. **Fiziol Zh** 1984 Jan–Feb;30(1):121–2 **(Rus)**

[The endocrine system in the experimental prolongation of life] Nikitin VN, et al. **Fiziol Zh** 1984 Jan–Feb;30(1):8–16 (Eng. Abstr.) **(Rus)**

[Seasonal changes in the vitamin E content in the body of white rats of different ages] Paranich AV. **Fiziol Zh** 1984 Mar–Apr;30(2):217–22 (Eng. Abstr.) **(Rus)**

[Various morpho–functional changes in the heart of adult and aging rabbits after long–term stimulation of hypothalamus] Rushkevich IuE. **Fiziol Zh** 1984 Jan–Feb; 30(1):114–8 **(Rus)**

[Cholinergic regulation of the cardiovascular system in old age] Shevchuk VG. **Fiziol Zh** 1984 Jan–Feb;30(1):110–4 **(Rus)**

[Mechanisms of increased arterial pressure in old age] Tokar AV. **Fiziol Zh** 1984 Jan–Feb;30(1):64–9 (Eng. Abstr.) **(Rus)**

[The human digestive system in aging] Valenkevich LN, et al. **Fiziol Zh** 1984 Jan–Feb;30(1):45–53 (Eng. Abstr.) **(Rus)**

[Age–related characteristics of intracellular transformations of thyroid hormones] Valueva GV. **Fiziol Zh** 1984 Mar–Apr;30(2):207–12 (Eng. Abstr.) **(Rus)**

[Effect of prolonged stress on the hypophyseal–adrenal–gonadal system in rabbits of different ages] Vartapetov BA, et al. **Fiziol Zh** 1984 Mar–Apr; 30(2):243–5 **(Rus)**

[Experimental injury of the aorta of rabbits of various ages by immune complexes] Zaĭchenko AP, et al. **Fiziol Zh** 1983 Jul–Aug;29(4):405–10 (Eng. Abstr.) **(Rus)**

[Age–related changes in the adrenaline and noradrenaline ratio in the tissues of rats] Prozorovskaia MP. **Fiziol Zh SSSR** 1983 Sep;69(9):1244–6 **(Rus)**

[Enzymatic links in the system regulating the blood aggregation status of healthy persons in various age groups] Tokaeva LK. **Gematol Transfuziol** 1983 Dec;28(12):35–8 (Eng. Abstr.) **(Rus)**

[Effect of mouse age and genotype on the frequency of sister chromatid exchange in bone marrow cells] Lil'p IG. **Genetika (Moskva)** 1984 Feb;20(2):260–5 (Eng. Abstr.) **(Rus)**

[Dependence of body function in workers on age and industrial factors] Buzunov VA. **Gig Sanit** 1983 Aug; (8):20–2 (7 ref.) (Eng. Abstr.) **(Rus)**

[Age–related characteristics of the function of natural immunity factors and of the blood system in miners doing shift work underground] Kleshchenogov SA. **Gig Sanit** 1984 Jun;(6):69–71 **(Rus)**

[Level of health knowledge of coal miners of the Don Basin in regard to working conditions and age] Vinarik EM. **Gig Sanit** 1984 Jun;(6):36–8 **(Rus)**

[Subjective feelings of fatigue in plant operators in relation to age, length of service and aerobic work capacity level] Khizhin'ski K. **Gig Tr Prof Zabol** 1984 Jan;(1):14–7 (Eng. Abstr.) **(Rus)**

[Kinetic problems of the aging of cells, organisms and cell populations] Frolov IuP. **Izv Akad Nauk SSSR [Biol]** 1983 Nov–Dec;(6):935–9 (Eng. Abstr.) **(Rus)**

[Surgical correction of the aging face] Tepavicharova P, et al. **Khirurgiia (Sofiia)** 1983;36(6):523–7 (Eng. Abstr.) **(Rus)**

[Muscle tonus changes in persons of various age groups in weightlessness modeling] Kozlova VG, et al. **Kosm Biol Aviakosm Med** 1984 Jan–Feb;18(1):90–2 **(Rus)**

[Age characteristics of central hemodynamics from radiocardiography data] Korkushko OV, et al. **Med Radiol (Mosk)** 1984 Jun;29(6):44–8 (Eng. Abstr.) **(Rus)**

[Muscle blood flow in healthy persons of different ages] Korkushko OV, et al. **Med Radiol (Mosk)** 1983 Sep; 28(9):39–42 (Eng. Abstr.) **(Rus)**

[Rate of axoplasmic transport in the ventral roots of the spinal cord of the rat in old age and its relation to the level of energy metabolism] Frol'kis VV, et al. **Neirofiziologiia** 1984;16(2):189–94 (Eng. Abstr.) **(Rus)**

[Age–related changes in the cardiomyocyte population of the heart ventricles of white rats] Leont'eva TA, et al. **Ontogenez** 1983 Nov–Dec;14(6):624–9 (Eng. Abstr.) **(Rus)**

[Ultrastructure of the mineral component and solidity of bone tissue of the vertebrae in persons of different age] Podrushniak EP, et al. **Ortop Travmatol Protez** 1983 Aug; (8):15–8 (Eng. Abstr.) **(Rus)**

[Concept of the 'physiological age' of animals and its application to ixodid ticks] Razumova IV. **Parazitologiia** 1983 Sep–Oct;17(5):347–54 (44 ref.) (Eng. Abstr.) **(Rus)**

[Adrenergic reactivity of coronary vessels and the myocardium in the old dog] Khomaziuk AI, et al. **Patol Fiziol Eksp Ter** 1983 Nov–Dec;(6):26–8 (Eng. Abstr.) **(Rus)**

[Experimental dystrophy of the stomach in rats of different ages] Voĭtenko GN, et al. **Patol Fiziol Eksp Ter** 1984 Mar–Apr;(2):51–2 (Eng. Abstr.) **(Rus)**

[General patterns, individual and age–related characteristics of the formation of erythrocytic functional indices] Filosofova MS. **Pediatriia** 1984 Feb;(2):37–40 (Eng. Abstr.) **(Rus)**

[Effect of age and body weight on the insulin, glucagon and somatotropin content of the human blood] Gatsko GG, et al. **Probl Endokrinol (Mosk)** 1984 May–Jun;30(3):6–10 (Eng. Abstr.) **(Rus)**

[Change in the renin–angiotensin–aldosterone system in the process of aging] Korkushko OV, et al. **Probl Endokrinol (Mosk)** 1983 Nov–Dec;29(6):33–7 (Eng. Abstr.) **(Rus)**

[Age–related characteristics of the manifestation of the diabetogenic factor in the blood of animals maintained on natural and atherogenic diets] Kudriashov BA, et al. **Probl Endokrinol (Mosk)** 1984 Mar–Apr;30(2):65–70 (Eng. Abstr.) **(Rus)**

[Age–related characteristics of testosterone 5–alpha–reductase activity in various rat organs] Panchenko LV, et al. **Probl Endokrinol (Mosk)** 1983 Sep–Oct;29(5):78–82 (Eng. Abstr.) **(Rus)**

[Prostatic phosphomonoesterases in rats of different ages both intact and after gonadectomy] Vasilenko AS, et al. **Probl Endokrinol (Mosk)** 1983 Nov–Dec;29(6):63–7 (Eng. Abstr.) **(Rus)**

[Age–related changes in the radiosensitivity of animals and critical cell systems. Survival of stem cells of the small intestine epithelium 4–5 days after death in mice of various ages] Konopliannikova OA, et al. **Radiobiologiia** 1984 Mar–Apr;24(2):249–52 (Eng. Abstr.) **(Rus)**

[Biological effects of radioactive carbon. Kinetics of carbon–14 (14C–stearic acid) metabolism in animals of various ages] Osipov VA. **Radiobiologiia** 1983 Nov–Dec; 23(6):774–7 (Eng. Abstr.) **(Rus)**

[Clinical course of rheumatoid arthritis depending on patient sex and age] Dormidontov EN, et al. **Revmatologiia (Moskva)** 1983 Jul–Sep;(3):47–9 (Eng. Abstr.) **(Rus)**

[Bronchial asthma in middle and old age] Gembitskiĭ EV, et al. **Ter Arkh** 1984;56(3):16–9 (Eng. Abstr.) **(Rus)**

[Nucleolus organizer region activity of human chromosomes in relation to age] Lezhava TA. **Tritol Genet** 1984 Jan–Feb; 18(1):40–6 (Eng. Abstr.) **(Rus)**

[Energy metabolism in the liver of young and old rats during starvation] Kosenko EA, et al. **Ukr Biokhim Zh** 1983 Jul–Aug;55(4):425–30 (Eng. Abstr.) **(Rus)**

[Human articular cartilage proteoglycans extracted by salt solutions] Kosiagin DV. **Ukr Biokhim Zh** 1983 Jul–Aug; 55(4):440–4 (Eng. Abstr.) **(Rus)**

[Mechanisms of the regulation and adaptation of energy metabolism during aging] Bogatskaia LN, et al. **Vestn Akad Med Nauk SSSR** 1984;(3):30–6 (Eng. Abstr.) **(Rus)**

[Mechanisms of age–related changes in immunity studied using heterochronous chimeras] Butenko GM, et al. **Vestn Akad Med Nauk SSSR** 1984;(3):24–30 (30 ref.) (Eng. Abstr.) **(Rus)**

[Atherosclerosis, hypertension and age (an experimental study)] Gorev NN, et al. **Vestn Akad Med Nauk SSSR** 1984;(3):16–20 (Eng. Abstr.) **(Rus)**

[Characteristics of pulmonary ventilation and gas exchange in middle and old age] Korkushko OV, et al. **Vestn Akad Med Nauk SSSR** 1984;(3):53–9 (Eng. Abstr.) **(Rus)**

[Clinico–physiological aspects of the aging of the brain] Man'kovskiĭ NB, et al. **Vestn Akad Med Nauk SSSR** 1984; (3):45–52 (Eng. Abstr.) **(Rus)**

[Function of the hypophyseal–gonadal system in aging in the male] Moroz EV, et al. **Vestn Akad Med Nauk SSSR** 1984;(3):20–4 (Eng. Abstr.) **(Rus)**

[The human osteoarticular system during aging] Podrushniak EP. **Vestn Akad Med Nauk SSSR** 1984;(3):59–65 (Eng. Abstr.) **(Rus)**

[Problems in preventing cardiovascular pathology in geriatric industrial hygiene] Reshetiuk AL, et al. **Vestn Akad Med Nauk SSSR** 1984;(3):70–7 (Eng. Abstr.) **(Rus)**

[Mitochondrial changes during aging] Stupina AS, et al. **Vestn Akad Med Nauk SSSR** 1984;(3):36–40 (9 ref.) (Eng. Abstr.) **(Rus)**

[Renin–angiotensin–aldosterone system in arterial hypertension in old age] Tokar' AV, et al. **Vestn Akad Med Nauk SSSR** 1984;(3):40–5 (Eng. Abstr.) **(Rus)**

[Analysis of mortality as a problem in the biology of aging] Voĭtenko VP. **Vestn Akad Med Nauk SSSR** 1984;(3):89–93 (Eng. Abstr.) **(Rus)**

[Immune reactivity in patients with senile pruritus] Poél' GIa. **Vestn Dermatol Venerol** 1984 Jul;(7):48–9 (Eng. Abstr.) **(Rus)**

[Effect of a complex of bioantioxidants on biochemical changes in the lens in the experimental peroxidation syndrome in the rabbit] Voskresenskaia LK. **Vestn Oftalmol** 1984 Jul–Aug;(4):66–8 (Eng. Abstr.) **(Rus)**

[Age–related characteristics of the vestibular reaction based on cupulometric data] Luchikhin LA, et al. **Vestn Otorinolaringol** 1983 Jul–Aug;(4):32–8 (Eng. Abstr.) **(Rus)**

[Spiroveloergometric indices in healthy males at different age periods] Iaroshenko IuT. **Vrach Delo** 1983 Sep;(9):22–5 (Eng. Abstr.) **(Rus)**

[Disorders of bronchial patency in hypertension patients in old age] Katiukhin VN, et al. **Vrach Delo** 1983 Nov; (11):29–31 (Eng. Abstr.) **(Rus)**

[Effect of the age factor on functional and morphological changes in the kidneys in the acute period of cranio–cerebral injury] Shapovalov IuV, et al. **Vrach Delo** 1983 Dec;(12):76–9 (Eng. Abstr.) **(Rus)**

[Characteristics of the functional state of the small intestine based on data of complex studies on the elderly] Trusov VV, et al. **Vrach Delo** 1984 Mar;(3):16–9 (Eng. Abstr.) **(Rus)**

[Factors governing pharmacokinetic characteristics during

aging (review of the literature)] Zapadniuk VI, et al. **Vrach Delo** 1984 Jan;(1):23–8 (60 ref.) **(Rus)**

[Aging of vascular smooth-muscle cells] Gurevich MI, et al. **Zh Evol Biokhim Fiziol** 1984 Jan–Feb;20(1):91–7 (28 ref.) **(Rus)**

[Electron microscopic study of the epiphysis in the hen in different age periods] Karapetian SK, et al. **Zh Evol Biokhim Fiziol** 1983 Sep–Oct;19(5):475–7 (Eng. Abstr.) **(Rus)**

[Intestinal dipeptidases and their regulation in chicks of different ages] Tarvid IL, et al. **Zh Evol Biokhim Fiziol** 1983 Nov–Dec;19(6):550–5 (Eng. Abstr.) **(Rus)**

[Histochemical characteristics of the vascular–capillary bed of the brain during aging and in arteriosclerosis] Chertok VM, et al. **Zh Nevropatol Psikhiatr** 1984;84(7):997–1000 (Eng. Abstr.) **(Rus)**

[Age-related changes in the ependyma and epithelium of the vascular plexuses of the cerebral ventricles] Kiktenko AI. **Zh Nevropatol Psikhiatr** 1984;84(7):993–7 (Eng. Abstr.) **(Rus)**

[Ultrastructural characteristics of the tissue changes in the cerebral cortex during aging] Pavlovskaia NI. **Zh Nevropatol Psikhiatr** 1984;84(7):981–7 (Eng. Abstr.) **(Rus)**

[Capillary bed of the mammillary bodies of the posterior hypothalamus in hypertension in young and old persons] Petrenko AG. **Zh Nevropatol Psikhiatr** 1984;84(7):1001–4 (Eng. Abstr.) **(Rus)**

[Changes in the hypothalamic ultrastructure during aging] Verbitskaia LB, et al. **Zh Nevropatol Psikhiatr** 1984; 84(7):987–93 (Eng. Abstr.) **(Rus)**

[The biochemical basis of modern theories of aging] Vuković Z. **Srp Arh Celok Lek** 1983 Feb;111(2):233–6 **(Scc)**

[Aging and inactivity] Vuković Z. **Srp Arh Celok Lek** 1983 Apr;111(4):509–12 **(Scc)**

[Changes in the activity of peroxisomal and mitochondrial enzymes in the liver of aging rats] Chandoga J, et al. **Bratisl Lek Listy** 1984 Feb;81(2):176–81 (Eng. Abstr.) **(Slo)**

[Analgesia and age. I. Age-conditioned changes in the analgesic effect of strong analgesics in rats] Nicák A, et al. **Cas Lek Cesk** 1984 Mar 9;123(10):290–3 (Eng. Abstr.) **(Slo)**

[Effect of aging on the mechanisms of Na+ extrusion in proximal kidney tubules cells in the rat] Marín R, et al. **Acta Cient Venez** 1983;34(1):48–53 (Eng. Abstr.) **(Spa)**

[Changes in the albumin and globulin fractions in seeds of Pinus pinea during artificial aging] González-Juliá B, et al. **Rev Esp Fisiol** 1983 Dec;39(4):409–15 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

The effects of procaine/haematoporphyrin on age-related decline: a double-blind trial. Hall MR, et al. **Age Ageing** 1983 Nov;12(4):302–8

Clinical responses to oxprenolol in the elderly. Ellis RA. **Am J Cardiol** 1983 Nov 10;52(9):62D–65D

Pharmacokinetics of oxprenolol in the elderly. Kendall MJ. **Am J Cardiol** 1983 Nov 10;52(9):54D–56D

Centrophenoxine-induced increase of beta-adrenoceptor density in brain cortex of old mice. Viticchi C, et al. **Arch Gerontol Geriatr** 1984 May;3(1):77–82

Benefits of cyclandelate in the treatment of disorders of ageing. Le Poncin-Lafitte M. **Br J Clin Pract [Symp Suppl]** 1984;34:58–61

Effect of genetic background on the therapeutic effects of dehydroepiandrosterone (DHEA) in diabetes-obesity mutants and in aged normal mice. Coleman DL, et al. **Diabetes** 1984 Jan;33(1):26–32

Hormones and aging: turning off 'the aging switch'. Zoler ML. **Geriatrics** 1983 Nov;38(11):107–12

Favorable effects of the lipid-lowering and platelet antiaggregant Plafibride on the aging process of mice of the C57bl/6J strain. Calatayud JM. **Methods Find Exp Clin Pharmacol** 1983 Dec;5(10):707–14

Simultaneous study of learning, cerebral hemodynamics, and metabolism in aged rats: effects of a dopaminergic agonist. Le Poncin-Lafitte M, et al. **Monogr Neural Sci** 1984; 11:68–77

Neurobiological relationships between aging and alcohol abuse. Freund G. **Recent Dev Alcohol** 1984;2:203–21

Alcohol consumption and premature aging. A critical review. Ryan C, et al. **Recent Dev Alcohol** 1984;2:223–50

[Changes in the postheparin plasma activity of lipoprotein lipase and liver triglyceride lipase in 2 age groups of rabbits] Apostolova IuS, et al. **Eksp Med Morfol** 1983;22(2):97–101 (Eng. Abstr.) **(Bul)**

[Double-blind comparative study of lorazepam and tiapride effects on the memory capacities of subjects over 60 years of age] Léger JM, et al. **Sem Hop Paris** 1984 Mar 22; 60(13):932–6 (Eng. Abstr.) **(Fre)**

[Age dependence of the response of blood pressure, heart rate and plasma renin activity to captopril in essential hypertension] Stanek B, et al. **Acta Med Austriaca** 1984; 11(3–4):101–5 (Eng. Abstr.) **(Ger)**

[Fluoro-osteosclerosis and age] Schmidt CW. **ZFA** 1984 Jul–Aug;39(4):229–31 (Eng. Abstr.) **(Ger)**

[Human cytogenetic affects in relation to sex, age and the duration of contract with a chemical mutagen] Suskov II, et al. **Dokl Akad Nauk SSSR** 1983;273(6):1495–9 **(Rus)**

[Biological bases of the regulation of the age-related pharmacokinetics of neurotropic agents in the brain] Fateev VA, et al. **Farmakol Toksikol** 1984 Mar–Apr;47(2):80–5 **(Rus)**

[Effect of age on the pharmacokinetic parameters of digoxin] Korkushko OV, et al. **Farmakol Toksikol** 1984 May–Jun; 47(3):101–4 (Eng. Abstr.) **(Rus)**

[Age-related characteristics of the effect of adrenomimetics on the noradrenaline and adrenaline content in the myocardium of the rat] Viktorov AP. **Farmakol Toksikol** 1984 May–Jun;47(3):43–6 (Eng. Abstr.) **(Rus)**

[Age-related characteristics of potassium glutamate pharmacokinetics] Zapadniuk VI, et al. **Farmakol Toksikol** 1984 Mar–Apr;47(2):58–61 (Eng. Abstr.) **(Rus)**

[Antioxidants and the prolongation of life] Emanuél' NM. **Fiziol Zh** 1984 Jan–Feb;30(1):1–8 (Eng. Abstr.) **(Rus)**

[Enterosorption as a method of prolongation of life of aged animals] Frol'kis VV, et al. **Fiziol Zh** 1984 Jan–Feb; 30(1):30–9 (Eng. Abstr.) **(Rus)**

[Drugs relieving the manifestations of premature aging] Zapadniuk VI. **Vestn Akad Med Nauk SSSR** 1984;(3):65–70 (Eng. Abstr.) **(Rus)**

[Characteristics of pharmacokinetics during aging and its correction] Zapadniuk VI. **Vrach Delo** 1984 Apr;(4):41–4 (Eng. Abstr.) **(Rus)**

[Characteristics of the brain lesion in experimental alcoholism in young animals] Sidorov PI, et al. **Zh Nevropatol Psikhiatr** 1984;84(7):1034–8 (Eng. Abstr.) **(Rus)**

[Geroprotective effect of adaptogens on the house fly imago] Chernysh SI. **Zh Obshch Biol** 1983 Jul–Aug;44(4):521–8 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Premature ageing of pituitary of irradiated ICRC mice. Pai SR. **Indian J Med Res** 1983 Nov;78:702–7

The influence of age on the effectiveness of DTPA in reducing 141Ce retention in rats. Kargačin B, et al. **Int J Radiat Biol** 1983 Oct;44(4):363–6

Photocarcinogenesis, skin cancer, and aging. Epstein JH. **J Am Acad Dermatol** 1983 Oct;9(4):487–502 (173 ref.)

Immune function in aging atomic bomb survivors residing in the United States. Bloom ET, et al. **Radiat Res** 1983 Nov;96(2):399–410

Ophthalmologic changes related to radiation exposure and age in adult health study sample, Hiroshima and Nagasaki. Choshi K, et al. **Radiat Res** 1983 Dec;96(3):560–79

AGITATION, PSYCHOMOTOR see **PSYCHOMOTOR AGITATION**

AGMATINE see under **GUANIDINES**

AGNOGENIC MYELOID METAPLASIA see **MYELOID METAPLASIA**

AGNOSIA

COMPLICATIONS

Visual agnosia without alexia. Gomori AJ, et al. **Neurology (NY)** 1984 Jul;34(7):947–50

DIAGNOSIS

Correlation between EEG and auditory perceptual measures in auditory agnosia. Pearce PS, et al. **Brain Lang** 1984 May; 22(1):41–8

Is prosopagnosia more frequent in males than in females? Mazzucchi A, et al. **Cortex** 1983 Dec;19(4):509–16

[Gnosias, phasias and praxias: critical review and proposal for a new method of clinical evaluation] Borromei A, et al. **Minerva Psichiatr** 1983 Oct–Dec;24(4):129–37 (Eng. Abstr.) **(Ita)**

ETIOLOGY

[Right hemiasomatognosia and sensation of amputation caused by left subcortical lesion. Role of callosal disconnection] Cambier J, et al. **Rev Neurol (Paris)** 1984; 140(4):256–62 (Eng. Abstr.) **(Fre)**

[Visual and tactile agnosia] Morin P, et al. **Rev Neurol (Paris)** 1984;140(4):271–7 (Eng. Abstr.) **(Fre)**

[Centrally caused achromatopsia] Scarpatetti A, et al. **Klin Monatsbl Augenheilkd** 1983 Aug;183(2):132–5 (Eng. Abstr.) **(Ger)**

[Peculiar unilateral spatial agnosia in carbon monoxide poisoning] Ichiba N. **No To Hattatsu** 1983 Nov; 15(6):519–25 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Associative visual agnosia: a case study. Ferro JM, et al. **Cortex** 1984 Mar;20(1):121–34

PSYCHOLOGY

Color 'amnesia' without aphasia. Varney NR, et al. **Cortex** 1983 Dec;19(4):545–50

Visual memory and perceptual impairments in prosopagnosia. Bauer RM, et al. **J Clin Neuro Ophthalmol** 1984 Mar; 4(1):39–46

AGONISTIC BEHAVIOR see under **AGGRESSION**

AGORAPHOBIA see under **PHOBIC DISORDERS**

AGRANULOCYTOSIS

Cyclic hematopoiesis: human cyclic neutropenia. Lange RD. **Exp Hematol** 1983 Jul;11(6):435–51 (139 ref.)

BLOOD

Circulating eosinophil colony-forming cells in pure eosinophil aplasia. Nakahata T, et al. **Ann Intern Med** 1984 Sep;101(3):321–4

Correlation between blood granulocyte progenitor cells and polymorphonuclear leukocytes. A tentative pathophysiological subgrouping of neutropenic and neutrophilic patients. Ponassi A, et al. **Biomed Pharmacother** 1983;37(6):293–7

The evaluation of neutropenia: the use of the granulocyte mobilization test. Baldwin C, et al. **Clin Lab Haematol** 1983; 5(4):353–60

Correction of defective chemotaxis with thiamine in Shwachman–Diamond syndrome [letter] Szüts P, et al. **Lancet** 1984 May 12;1(8385):1072–3

Suppression of superoxide generation by normal polymorphonuclear leucocytes preincubated in plasma from patients with rheumatoid arthritis and neutropenia. Friman C, et al. **Med Biol** 1984;62(2):89–90

Complement as a mediator of granulocyte adherence and margination: studies based on the acute neutropenia of filtration leukapheresis. Fehr J. **Prog Clin Biol Res** 1977; 13:243–58 (75 ref.)

[Colony forming unit assay in chronic idiopathic neutropenia] Usui Y, et al. **Rinsho Ketsueki** 1983 Oct;24(10):1392–7 (Eng. Abstr.) **(Jpn)**

CHEMICALLY INDUCED

Ticarcillin-induced neutropenia corroborated by in vitro CFU-C toxicity. Irvine AE, et al. **Acta Haematol (Basel)** 1983;70(6):364–8

Quinidine-induced agranulocytosis. Alexander SJ, et al. **Am J Hematol** 1984 Jan;16(1):95–8

The effect of lithium carbonate on chemotherapy-induced neutropenia and thrombocytopenia. Richman CM, et al. **Am J Hematol** 1984 May;16(4):313–23

Hematologic effects of antipyretic analgesics. Drug-induced agranulocytosis. Heit WF. **Am J Med** 1983 Nov 14; 75(5A):65–9 (32 ref.)

Fatal agranulocytosis in a chronic schizophrenic patient treated with carbamazepine. Luchins DJ. **Am J Psychiatry** 1984 May;141(5):687–8

Procainamide and neutropenia [letter] **Ann Intern Med** 1984 May;100(5):766–7

Sustained-release procainamide and neutropenia [letter] Anderson S, et al. **Ann Intern Med** 1984 Sep;101(3):404

Agranulocytosis, thrombocytopenia, and procainamide [letter] Christensen DJ, et al. **Ann Intern Med** 1984 Jun; 100(6):918

Agranulocytosis and dose of methimazole [letter] Cooper DS, et al. **Ann Intern Med** 1984 Aug;101(2):283

Severe neutropenia associated with sustained-release procainamide. Ellrodt AG, et al. **Ann Intern Med** 1984 Feb; 100(2):197–201

Agranulocytosis and a small dose of methimazole [letter] Fincher ME, et al. **Ann Intern Med** 1984 Sep;101(3):404–5

Agranulocytosis, procainamide, and phenytoin [letter] Fleet S. **Ann Intern Med** 1984 Apr;100(4):616–7

Ampicillin and hematologic effects [letter] Hughes GS Jr. **Ann Intern Med** 1983 Oct;99(4):573

Nifedipine and agranulocytosis [letter] Voth AJ, et al. **Ann Intern Med** 1983 Dec;99(6):882

Granulocytotoxic antibodies in a patient with propylthiouracil-induced agranulocytosis. Guffy MM, et al. **Arch Intern Med** 1984 Aug;144(8):1687–8

Agranulocytosis associated with semisynthetic penicillins and cephalosporins. Report of 7 cases. Schmid L, et al. **Blut** 1984 Jan;48(1):11–8

Childhood leukaemia: a relationship between intracellular 6-mercaptopurine metabolites and neutropenia. Lennard L, et al. **Br J Clin Pharmacol** 1983 Oct;16(4):359–63

Agranulocytosis associated with Maloprim [letter] Bruce-Chwatt LJ, et al. **Br Med J [Clin Res]** 1984 Jan 7;288(6410):65–6

Neutropenia due to beta lactamine antibodies. Rouveix B, et al. **Br Med J [Clin Res]** 1983 Dec 17;287(6408):1832–4

Pentazocine-induced agranulocytosis. Haibach H, et al. **Can Med Assoc J** 1984 May 1;130(9):1165–6

Mitoxantrone: an active new agent in the treatment of advanced breast cancer. Stuart-Harris RC, et al. **Cancer Chemother Pharmacol** 1984;12(1):1–4

Neutropenia associated with beta-lactam antibiotics. Kirkwood CF, et al. **Clin Pharm** 1983 Nov–Dec; 2(6):569–78

Possible agranulocytosis secondary to zomepirac. Olsen KM, et al. **Clin Pharm** 1984 Jan–Feb;3(1):85–7

Agranulocytosis and hepatitis as a result of Mexican drug therapy. Jacknowitz AI, et al. **Drug Intell Clin Pharm** 1984 Jan;18(1):66–8

Neutropenia associated with cefotaxime. Ohsawa T, et al. **Drug Intell Clin Pharm** 1983 Oct;17(10):739–41

Presumed analgesic-induced agranulocytosis. Obel AO. **East Afr Med J** 1983 Apr;60(4):273–7

Typhlitis complicating methimazole-induced

agranulocytosis. Ryan ME, et al. **Gastrointest Endosc** 1983 Nov;29(4):299–302

Adverse drug reactions [letter] Levy M. **Isr J Med Sci** 1983 Dec;19(12):1110

Do we continue to prescribe dipyrone (analgin)? [letter] Bharani AK, et al. **J Assoc Physicians India** 1984 Apr; 32(4):382–3

In vitro immunoreactivity to propylthiouracil, methimazole, and carbimazole in patients with Graves' disease: a possible cause of antithyroid drug–induced agranulocytosis. Wall JR, et al. **J Clin Endocrinol Metab** 1984 May;58(5):868–72

Leads from the MMWR. Severe neutropenia during pentamidine treatment of Pneumocystis carinii pneumonia in patients with AIDS. **JAMA** 1984 Mar 9;251(10):1253–4

Anti–myeloid–cell antibody in procainamide–induced agranulocytosis [letter] Azócar J. **Lancet** 1984 May 12; 1(8385):1069–70

Maloprim and agranulocytosis [letter] Bruce–Chwatt LJ, et al. **Lancet** 1983 Dec 24–31;2(8365–66):1487–8

Neutropenia due to methyldopa antibodies [letter] Closs SP, et al. **Lancet** 1984 Jun 30;1(8392):1479

Agranulocytosis and pyrazolone analgesics [letter] Herzheimer A, et al. **Lancet** 1984 Mar 31;1(8379):730

Agranulocytosis and pyrazolone [letter] Shapiro S. **Lancet** 1984 Feb 25;1(8374):451–2

Agranulocytosis and pyrazolone [letter] Shapiro S. **Lancet** 1984 Jun 30;1(8392):1471

Leucopenia as an adverse reaction to carbamazepine therapy. Rush JA, et al. **Med J Aust** 1984 Mar 31;140(7):426–8

Severe neutropenia during pentamidine treatment of Pneumocystis carinii pneumonia in patients with acquired immunodeficiency syndrome—New York City. **MMWR** 1984 Feb 17;33(6):65–7

Sulphasalazine induced agranulocytosis. Hutchinson D, et al. **NZ Med J** 1983 Jul 13;96(735):520–1

Phenytoin–induced agranulocytosis after treatment for a gunshot wound to the face. Strickland RD, et al. **Oral Surg** 1983 Nov;56(5):500–1

Agranulocytosis during malaria prophylaxis with Maloprim (pyrimethamine and dapsone). Booth F, et al. **Postgrad Med J** 1984 Aug;60(706):566–7

Mechanism of aprindine induced agranulocytosis: direct toxicity on CFU–C and CFU–GEMM. Boogaerts MA, et al. **Scand J Haematol** 1984 Feb;32(2):175–8

Mianserin induced agranulocytosis presenting as an abscess. Brumé J, et al. **Scott Med J** 1983 Oct;28(4):373–4

Delayed appearance of vancomycin–induced neutropenia in a patient with chronic renal failure. Farwell AP, et al. **South Med J** 1984 May;77(5):664–5

Profound neutropenia associated with benzylpenicillin. Snavely SR, et al. **South Med J** 1983 Oct;76(10):1299–302

[Stevens–Johnson syndrome and granulopenia induced by sulfadoxine–pyrimethamine (Fansidar)] Ligthelm RJ, et al. **Ned Tijdschr Geneeskd** 1983 Sep 17;127(38):1735–7 (Eng. Abstr.) **(Dut)**

[Severe, recurrent and reversible neutropenia induced by cimetidine] Legendre C, et al. **Presse Med** 1984 Jan 14; 13(1):44 **(Fre)**

[Acute agranulocytosis. The role of fenbufen? (letter)] Sensebe L, et al. **Presse Med** 1984 May 26;13(22):1392 **(Fre)**

[Amodiaquine–induced agranulocytosis in malaria prevention: demonstration of an amodiaquine–induced cytotoxic antibody against granulocytes] Schulthess HK, et al. **Schweiz Med Wochenschr** 1983 Dec 17;113(50):1912–3 (Eng. Abstr.) **(Ger)**

[Acute granulocytopenia caused by cimetidine] Spinka R, et al. **Wien Med Wochenschr** 1984 Mar 31;134(6):141–5 (Eng. Abstr.) **(Ger)**

[Agranulocytosis associated with mebhydrolin napadisylate (Incidal)] Edoute Y, et al. **Harefuah** 1984 Mar 1; 106(5):208–9 (Eng. Abstr.) **(Heb)**

[Agranulocytosis induced by rifamycin SV in a patient with Hodgkin's disease. Immunologic considerations and pathogenetic interpretations] Fernandes D, et al. **G Batteriol Virol Immunol** 1982 Jan–Jun;75(1–6):101–16 (Eng. Abstr.) **(Ita)**

[Presentation of a case of Graves' disease with neutropenia and splenomegaly: propylthiouracil–induced autoimmune neutropenia and review of the literature on the drug–induced lupus–like syndrome] Miyakawa M, et al. **Nippon Naika Gakkai Zasshi** 1984 Apr;73(4):538–45 **(Jpn)**

[Fatal agranulocytosis and toxic liver damage after use of trimethoprim–sulfamethoxazole] Haaverstad R, et al. **Tidsskr Nor Laegeforen** 1984 Apr 10;104(10–11):741–2 (Eng. Abstr.) **(Nor)**

[Acute agranulocytosis as a result of probable hypersensitivity to the preparation cinnarizinum Polfa] Szela S, et al. **Wiad Lek** 1983 Sep 15;36(18):1533–6 (Eng. Abstr.) **(Pol)**

[Agranulocytic reaction to bucarban] Mokrousov VM. **Klin Med (Mosk)** 1984 Jan;62(1):134–5 **(Rus)**

[Unusually rapid development of agranulocytosis during treatment with low doses of levamisole] Murav'ev IuV. **Ter Arkh** 1984;56(5):114–5 **(Rus)**

[Granulocytopenia caused by sodium penicillin G (letter)] Font J, et al. **Med Clin (Barc)** 1983 Oct 8;81(10):453–4 **(Spa)**

[Agranulocytosis caused by aprindine. Apropos of a new case (letter)] González Juanatey JR, et al. **Med Clin (Barc)** 1984 May 19;82(19):865–6 **(Spa)**

[Neutropenia caused by penicillin (letter)] Lens XM, et al. **Med Clin (Barc)** 1984 May 5;82(17):779 **(Spa)**

[Neutropenia caused by long–term treatment with penicillin] **Lakartidningen** 1983 Nov 2;80(44):4200 **(Swe)**

COMPLICATIONS

Randomized controlled trial comparing trimethoprim/sulfamethoxazole and trimethoprim for infection prophylaxis in hospitalized granulocytopenic patients. Bow EJ, et al. **Am J Med** 1984 Feb;76(2):223–33

Neutropenia, fever, and infection. Brown AE. **Am J Med** 1984 Mar;76(3):421–8

Symposium on infectious complications of neoplastic disease (Part II). Chemoprophylaxis of bacterial infections in granulocytopenic patients. Henry SA. **Am J Med** 1984 Apr; 76(4):645–51 (29 ref.)

Significance of serum bactericidal activity in gram–negative bacillary bacteremia in patients with and without granulocytopenia. Sculier JP, et al. **Am J Med** 1984 Mar; 76(3):429–35

Moxalactam plus piperacillin versus moxalactam plus amikacin in febrile granulocytopenic patients. Winston DJ, et al. **Am J Med** 1984 Sep;77(3):442–50

A randomized study of tobramycin plus ticarcillin, tobramycin plus cephalothin and ticarcillin, or tobramycin plus mezlocillin in the treatment of infection in neutropenic patients with malignancies. Lawson RD, et al. **Am J Med Sci** 1984 Jan–Feb;287(1):16–23

Cotrimoxazole prophylaxis in patients with leukemia and prolonged granulocytopenia. Martino P, et al. **Am J Med Sci** 1984 May–Jun;287(3):7–9

Prolonged granulocytopenia: the major risk factor for invasive pulmonary aspergillosis in patients with acute leukemia. Gerson SL, et al. **Ann Intern Med** 1984 Mar; 100(3):345–51

Anaerobic infection in the neutropenic host: anti–endotoxin effect of polymyxin. Bannatyne RM, et al. **Anticancer Res** 1984 May–Jun;4(3):169–70

Prophylaxis of Candida albicans infection in neutropenic mice with liposome–encapsulated amphotericin B. Lopez–Berestein G, et al. **Antimicrob Agents Chemother** 1984 Mar;25(3):366–7

Empiric therapy for infections in patients with granulocytopenia. Continuous v interrupted infusion of tobramycin plus cefamandole. Feld R, et al. **Arch Intern Med** 1984 May;144(5):1005–10

Severe neutropenia in systemic lupus erythematosus [letter] Gergely P. **Arthritis Rheum** 1984 Jun;27(6):719

The role of the newer beta–lactam antibiotics in the treatment of infection in compromised hosts. Greene WH. **Bull NY Acad Med** 1984 May;60(4):426–38 (34 ref.)

Comparative efficacy and toxicity of moxalactam and the combination of nafcillin and tobramycin in febrile granulocytopenic patients. Alanis A, et al. **Cleve Clin Q** 1983 Winter;50(4):385–95

Neutropenic typhlitis. A plea for conservatism. Shaked A, et al. **Dis Colon Rectum** 1983 May;26(5):351–2

Role of antimicrobial synergism in infected granulocytopenic patients. Standiford HC, et al. **Eur J Cancer Clin Oncol** 1984 Aug;20(8):1007–10

Combined autoimmune neutro– and thrombocytopenia. Schneider H, et al. **Eur J Pediatr** 1984 Aug;142(3):216–9

Selective antimicrobial modulation of the intestinal flora. Prophylaxis against infection in neutropenic patients. Guiot HF, et al. **Infection** 1984 Jan–Feb;12(1):1–4 (39 ref.)

Branhamella catarrhalis septicaemia in a granulocytopenic patient. Henny FC, et al. **Infection** 1984 May–Jun; 12(3):208–9

Empiric antibiotic therapy with an amikacin–carbenicillin–cefoxitin combination in granulocytopenic febrile patients—a clinical report. Fernández–Rañada J, et al. **Int J Clin Pharmacol Ther Toxicol** 1983 Oct;21(10):511–3

Ceftazidime in the treatment of febrile immunosuppressed children. Darbyshire PJ, et al. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:357–60

Randomized study of ceftazidime versus gentamicin plus cefotaxime for infections in severe granulocytopenic patients. de Pauw BE, et al. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:93–9

The results of a randomized trial of empirical antibiotic treatment in febrile neutropenic patients with four beta–lactam/aminoglycoside combinations. Hann I, et al. **J Antimicrob Chemother** 1983 May;11 Suppl C:57–63

Imipenem therapy of Pseudomonas aeruginosa bacteraemia in neutropenic rats. Johnson DE, et al. **J Antimicrob Chemother** 1983 Dec;12 Suppl D:89–96

Management of infection in granulocytopenic patients [editorial] Klastersky J. **J Antimicrob Chemother** 1983 Aug; 12(2):102–4

Ceftazidime as a single agent in the management of children with fever and neutropenia. Morgan G, et al. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:347–51

Early results of a comparative trial of ceftazidime versus cephalothin, carbenicillin and gentamicin in the treatment of febrile granulocytopenic patients. Ramphal R, et al. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:81–8

Neutropenic enterocolitis due to Clostridium septicum infection. King A, et al. **J Clin Pathol** 1984 Mar; 37(3):335–43

Liposome–encapsulated amphotericin B for treatment of disseminated candidiasis in neutropenic mice. Lopez–Berestein G, et al. **J Infect Dis** 1984 Aug; 150(2):278–83

Pulmonary clearance of Candida albicans in neutropenic mice. Nugent KM, et al. **J Infect Dis** 1984 Jun;149(6):1020

Single versus combination antibiotic therapy for pneumonia due to Pseudomonas aeruginosa in neutropenic guinea pigs. Rusnak MG, et al. **J Infect Dis** 1984 Jun;149(6):980–5

Typhlitis: an important gastrointestinal complication in granulocytopenic host. Aswapokee N, et al. **J Med Assoc Thai** 1983 Jun;66(6):360–3

Septicaemia caused by viridans streptococci in neutropenic patients with leukaemia. Cohen J, et al. **Lancet** 1983 Dec 24–31;2(8365–66):1452–4

Empiric antifungal therapy [letter] Barzilai A, et al. **Pediatr Infect Dis** 1983 Nov–Dec;2(6):493

Rational basis for the choice of regimens for empirical therapy of sepsis in granulocytopenic patients. A report of the EORTC International Antimicrobial Therapy Project Group. Gaya H. **Schweiz Med Wochenschr [Suppl]** 1983;14:49–57

Immunoprophylaxis of gram–negative infections: background for a prophylactic study of purified anticore–glycolipid immunoglobulins in neutropenic patients. Glauser MP. **Schweiz Med Wochenschr [Suppl]** 1983;14:35–9

Low morbidity and mortality from infection in neutropenic patients, a possible result of multiple measures of infection prevention. Grob JP, et al. **Schweiz Med Wochenschr [Suppl]** 1983;14:70–5

The role of the new penicillins and cephalosporins in the management of infection in granulocytopenic patients. Klastersky J. **Schweiz Med Wochenschr [Suppl]** 1983; 14:64–9

Ineffectiveness of single–dose human antiserum to core glycolipid (E. coli J5) for prophylaxis of bacteremic, gram–negative infections in patients with prolonged neutropenia. McCutchan JA, et al. **Schweiz Med Wochenschr [Suppl]** 1983;14:40–5

Prophylaxis of fungal infections in neutropenic cancer patients. Meunier–Carpentier F. **Schweiz Med Wochenschr [Suppl]** 1983;14:15–9

Antibiotic combinations for the empiric treatment of the febrile neutropenic patient. Walsh TJ, et al. **Schweiz Med Wochenschr [Suppl]** 1983;14:58–63

Prophylaxis of bacterial infections with oral antibiotics in neutropenic patients. Lessons from the last two EORTC trials and prospects for the future. Zinner SH. **Schweiz Med Wochenschr [Suppl]** 1983;14:7–14

A case of diffuse lymphoid hyperplasia of the colon associated with cyclic neutropenia. Tamura T, et al. **Tokushima J Exp Med** 1983 Dec;30(3–4):75–7

Cefoperazone versus cefotaxime, plus amikacin or sisomicin, in fever and infection in hematologic granulocytopenic patients. Santini G, et al. **Tumori** 1984 Apr 30;70(2):151–8

[Aphthae and neutropenia in children: apropos of a case of paroxysmal giant aphthae] Guillet G, et al. **Ann Dermatol Venereol** 1984;111(5):479–82 **(Fre)**

[Bacterial septicemia in neutropenia patients] Vernant JP, et al. **Ann Med Interne (Paris)** 1983;134(7):629–35 (Eng. Abstr.) **(Fre)**

[Role of azlocillin in the treatment of immunocompromised patients. Results of the EORTC (European Organization for Research on the Treatment of Cancer) study)] Jacquillat C, et al. **Presse Med** 1984 Mar 29;13(13):838–40 (Eng. Abstr.) **(Fre)**

[Empiric antibiotic therapy in granulopenic patients] Klastersky J. **Presse Med** 1984 Apr 21;13(17):1067–9 **(Fre)**

[A case of infected subdural hematoma (subdural empyema) secondary to septicemia caused by agranulocytosis] Kaminogo M, et al. **No Shinkei Geka** 1984 Mar;12(3 Suppl):353–7 (Eng. Abstr.) **(Jpn)**

[Use of portable laminar air purifier for prevention of infections in hematologic diseases with agranulocytosis] Kanzaki A, et al. **Rinsho Ketsueki** 1983 Oct;24(10):1349–54 (Eng. Abstr.) **(Jpn)**

[Criteria for the estimation of clinical effect of antimicrobial drugs in the treatment of infections associated with granulocytopenia] Takaku F, et al. **Rinsho Ketsueki** 1984 Apr;25(4):588–92 (Eng. Abstr.) **(Jpn)**

[Neutropenia and glycogenosis type IB] Couselo Sánchez JM, et al. **An Esp Pediatr** 1983 Jun;18(6):505–9 (Eng. Abstr.) **(Spa)**

[Autoimmune neutropenia in systemic lupus erythematosus (letter)] Rodríguez Jornet A, et al. **Med Clin (Barc)** 1983 Oct 1;81(9):413 **(Spa)**

[A model of infection in granulocytopenic patients with acute leukemia. Analysis of 125 infectious episodes] Noguerado Asensio A, et al. **Sangre (Barc)** 1984;29(2):148–55 (Eng. Abstr.) **(Spa)**

CONGENITAL

[Helper T–cell deficiency in infantile genetic agranulocytosis (M. Kostmann)] Evers KG, et al. **Monatsschr Kinderheilkd** 1983 Nov;131(11):793–6 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Idiosyncratic reactions to carbamazepine mimicking viral infection in children. Brain C, et al. **Br Med J [Clin Res]** 1984 Aug 11;289(6441):354

Chronic diarrhea and neutropenia not associated with

pancreatic insufficiency: a non-Shwachman-Diamond entity. Marino LR, et al. **J Pediatr Gastroenterol Nutr** 1983; 2(3):559-62

[Incidence and clinical course of drug-induced agranulocytosis in Hungary] Bán A, et al. **Orv Hetil** 1984 Jan 15;125(3):139-44 (Eng. Abstr.) **(Hun)**

[3 cases of lazy-leukocyte syndrome] Yasui K, et al. **Rinsho Ketsueki** 1983 Aug;24(8):1086-91 (Eng. Abstr.) **(Jpn)**

DRUG THERAPY

Lithium carbonate treatment in familial cyclic neutropenia. Williams DM, et al. **Am J Clin Pathol** 1984 Jan;81(1):120-2

Antibiotics in patients with neutropenia. Bodey GP. **Arch Intern Med** 1984 Sep;144(9):1845-51

Moxalactam plus ticarcillin or tobramycin for treatment of febrile episodes in neutropenic cancer patients. Fainstein V, et al. **Arch Intern Med** 1984 Sep;144(9):1766-70

Efficacy of ketoconazole v nystatin in prevention of fungal infections in neutropenic patients. Jones PG, et al. **Arch Intern Med** 1984 Mar;144(3):549-51

Steroid responsive cyclical neutropenia. Young GA, et al. **Blut** 1984 Mar;48(3):153-9

The 'clostridial effect' of selective decontamination of the human gut with trimethoprim/sulphamethoxazole in neutropenic patients. Haralambie E, et al. **Infection** 1983 Jul-Aug;11(4):201-4

Empirical antifungal therapy in neutropenic patients. Cohen J. **J Antimicrob Chemother** 1984 May;13(5):409-11

Treatment of febrile granuloycytopenic cancer patients receiving antineoplastic therapy with a combination of carbenicillin, cefazolin and gentamicin. Halpern J, et al. **J Med** 1983;14(3):193-202

Lithium treatment in adults with acute myeloid leukemia receiving chemotherapy. Horns RC Jr, et al. **Med Pediatr Oncol** 1984;12(3):169-72

Chloramphenicol-responsive chronic neutropenia. Adams GR, et al. **N Engl J Med** 1983 Oct 27;309(17):1039-41

T-lymphocyte--mediated granulopoietic failure. In vitro identification of prednisone-responsive patients. Bagby GC Jr, et al. **N Engl J Med** 1983 Nov 3;309(18):1073-8

[Clinical analysis of 10 cases of drug-induced acute agranulocytosis treated by combined traditional Chinese and western medicine] Liu ZW. **Chung Hsi I Chieh Ho Tsa Chih** 1983 Jul;3(4):218-20 (Eng. Abstr.) **(Chi)**

[The therapeutic approach to the granulocytopenic patient with fever (editorial)] Aderka D. **Harefuah** 1984 May 1; 106(9):429-31 **(Heb)**

[Sulbenicillin and amikacin for febrile patients with cancer--with special reference to granulocytopenia] Sampi K, et al. **Gan To Kagaku Ryoho** 1983 Nov;10(11):2377-81 (Eng. Abstr.) **(Jpn)**

[Stimulating effect of lithium carbonate on neutropoiesis in iatrogenic neutropenia] Iavorkovskii LL, et al. **Ter Arkh** 1984;56(6):84-7 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

[Effect of lithium carbonate on the beta-glucuronidase activity in neutrophils of healthy persons and of patients with neutropenia] Bodzoń A, et al. **Patol Pol** 1983 Apr-Jun; 34(2):213-9 (Eng. Abstr.) **(Pol)**

ETIOLOGY

Can antibacterial therapy be discontinued in persistently febrile granulocytopenic cancer patients? Joshi JH, et al. **Am J Med** 1984 Mar;76(3):450-7

Autoimmune neutropenia, hemolytic anemia, and reticulocytopenia in Hodgkin's disease. Weitberg AB, et al. **Ann Intern Med** 1984 May;100(5):702-3

Toxic epidermal necrolysis. Granulocytic leukopenia as a prognostic indicator. Westly ED, et al. **Arch Dermatol** 1984 Jun;120(6):721-6

Neutropenia due to beta lactamine antibodies [letter] Murphy MF, et al. **Br Med J [Clin Res]** 1984 Mar 10;288(6419):795

A patient with testis seminoma, sarcoidosis, and neutropenic enterocolitis. Colebunders R, et al. **Hum Pathol** 1984 Apr; 15(4):394-6

Combination of amikacin and carbenicillin with or without cefazolin as empirical treatment of febrile neutropenic patients.The International Antimicrobial Therapy Project Group of the European Organization for Research and Treatment of Cancer. **J Clin Oncol** 1983 Oct;1(10):597-603

Effect of dialyzer reuse on complement activation and neutropenia in hemodialysis. Stroncek DF, et al. **J Lab Clin Med** 1984 Sep;104(3):304-11

The combined effect of viruses and drugs in drug-induced diseases. Levy M. **Med Hypotheses** 1984 Jul;14(3):293-6

Release of neutrophil granule factors during early period of hemodialysis: a possible cause of hemodialysis neutropenia. Luciak M, et al. **Nephron** 1984;37(1):30-4

A demonstration of neutrophil accumulation in the pulmonary vasculature during haemodialysis. Dodd NJ, et al. **Proc Eur Dial Transplant Assoc** 1983;20:186-9

Neonatal white blood cell disorders. Engle WA, et al. **Semin Perinatol** 1983 Jul;7(3):184-200 (89 ref.)

[Infectious mononucleosis without heterophilic antibodies and with spontaneously reversible acute agranulocytosis] Becq-Giraudon B, et al. **Rev Med Interne** 1983 Sep; 4(3):259-60 **(Fre)**

FAMILIAL & GENETIC

Can infantile hereditary agranulocytosis be diagnosed prenatally? Cividalli G, et al. **Prenat Diagn** 1983 Apr-Jun; 3(2):157-9

[A case of chronic granulocytic leukemia with neutropenia and t(8 q-; 22q+) at onset] Nakayama S, et al. **Rinsho Ketsueki** 1984 Mar;25(3):405-12 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

T-cell imbalance in neutropenia of uncertain etiology. Chan WC, et al. **Am J Clin Pathol** 1984 Jan;81(1):54-61

Dexamethasone as an antiemetic during cancer chemotherapy [letter] Grunwald HW, et al. **Ann Intern Med** 1984 Sep; 101(3):398

Constant defect in neutrophil locomotion but with age decreasing susceptibility to infection in Shwachman syndrome. Ruutu P, et al. **Clin Exp Immunol** 1984 Jul; 57(1):249-55

Compensated humoral immunity in chronic benign idiopathic neutropenia [letter] Potasman I, et al. **Lancet** 1984 May 19;1(8386):1133-4

Neutrophil antigens: immunology and clinical implications. Lalezari P. **Prog Clin Biol Res** 1977;13:209-25 (62 ref.)

Immune neutropenia. Logue GL. **Prog Clin Biol Res** 1984; 149:155-65

Mechanisms of lipopolysaccharide-induced protection against pseudomonas sepsis in granulocytopenic mice. Tegtmeier BR, et al. **Rev Infect Dis** 1983 Nov-Dec;5 Suppl 5:S963-70

Alloimmune neonatal neutropenia and neutrophil-specific antigens. Lalezari P. **Vox Sang** 1984;46(6):415-7

Autoimmune neutropenia. Lalezari P. **Vox Sang** 1984; 46(6):418-20

[Antibodies against leukocytes in patients with neutropenia] Kořínková P, et al. **Cas Lek Cesk** 1983 Dec 23; 122(51):1580-4 (Eng. Abstr.) **(Cze)**

[Bacteriologic management of patients with decreased resistance] Hendriks WD, et al. **Ned Tijdschr Geneeskd** 1984 Feb 18;128(7):305-10 (55 ref.) **(Dut)**

[Isoimmune neonatal neutropenia] Landman L, et al. **Harefuah** 1983 Jan 2;104(1):16-8 (Eng. Abstr.) **(Heb)**

[Antineutrophil opsonizing antibody in the sera of rabbits immunized with human neutrophils and in patients with autoimmune neutropenia] Saito K. **Nippon Ketsueki Gakkai Zasshi** 1983 Nov;46(6):1192-9 (Eng. Abstr.) **(Jpn)**

[Lung abscess in drug-induced agranulocytosis] Plusa T, et al. **Pneumonol Pol** 1983 Oct;51(10):525-30 (Eng. Abstr.) **(Pol)**

[Properties of polymorphonuclear leukocytes and serum factors in patients with clronic idiopathic neutropenia] Fejes M, et al. **Sangre (Barc)** 1983;28(5):563-9 (Eng. Abstr.) **(Spa)**

MICROBIOLOGY

Comparison of azlocillin, ceftizoxime, cefoxitin, and amikacin alone and in combination against Pseudomonas aeruginosa in a neutropenic-site rabbit model. Peterson LR, et al. **Antimicrob Agents Chemother** 1984 May;25(5):545-52

Pneumococcal sonicate-induced biphasic granulocytopenia and its dissociation from pulmonary leukostasis. The contribution of pneumococcal products and complement to early and late granulocytopenic phases. Goldblum SE, et al. **J Lab Clin Med** 1983 Dec;102(6):987-99

MORTALITY

Causes of death in febrile granulocytopenic cancer patients receiving empiric antibiotic therapy. Sculier JP, et al. **Eur J Cancer Clin Oncol** 1984 Jan;20(1):55-60

OCCURRENCE

Neutropenia of Negroes [letter] Shoenfeld Y, et al. **Scand J Haematol** 1984 May;32(5):559

[Agranulocytosis in the Barcelona area. Results of 2 years' follow-up] Ibáñez L, et al. **Arch Farmacol Toxicol** 1983 Apr;9(1):103-8 **(Spa)**

PATHOLOGY

Cyclic ultrastructural abnormalities in human cyclic neutropenia. Parmley RT, et al. **Am J Pathol** 1984 Aug; 116(2):279-88

A morphologic and immunologic study of the large granular lymphocyte in neutropenia with T lymphocytosis. Chan WC, et al. **Blood** 1984 May;63(5):1133-40

Myelokathexis: a rare form of chronic benign granulocytopenia. Bassan R, et al. **Br J Haematol** 1984 Sep; 58(1):115-7

Prepubertal periodontitis affecting the deciduous and permanent dentition in a patient with cyclic neutropenia. A case report and discussion. Prichard JF, et al. **J Periodontol** 1984 Feb;55(2):114-22

Bacterial infections of the CNS in neutropenic patients. Lukes SA, et al. **Neurology (NY)** 1984 Mar;34(3):269-75

[Colony-forming capacity of fibroblast precursor cells of the bone marrow in patients with various neutropenic conditions] Zaritskiĭ AIu, et al. **Ter Arkh** 1983;55(8):110-4 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Successful surgical repair of a complex congenital anomaly in a patient with chronic benign granulocytopenia [letter] Ogawa M, et al. **Pediatr Cardiol** 1984 Jan-Mar;5(1):74

The inhibitory effect of circulating lymphocytes on granulopoiesis in human cyclic neutropenia in vitro. Inoue M, et al. **Tohoku J Exp Med** 1984 Jun;143(2):213-20

[Shwachman-Diamond syndrome] Branski D, et al. **Harefuah** 1983 Sep;105(5-6):114-5 (Eng. Abstr.) **(Heb)**

PREVENTION & CONTROL

Prophylaxis in severe granulocytopenia. Thompson EI, et al. **Adv Intern Med** 1984;29:193-214 (58 ref.)

Failure of lithium to limit neutropenia significantly during induction therapy of acute myelogenous leukemia. A Southeastern Cancer Study Group study. Stein RS, et al. **Am J Clin Oncol** 1984 Aug;7(4):365-9

RADIOGRAPHY

Computed tomography of neutropenic colitis. Frick MP, et al. **AJR** 1984 Oct;143(4):763-5

THERAPY

Granulocyte transfusion therapy. Dutcher JP. **Am J Med Sci** 1984 Mar-Apr;287(2):11-7

A controlled trial of prophylactic granulocyte transfusions during induction chemotherapy for acute nonlymphoblastic leukemia. Gomez-Villagran JL, et al. **Cancer** 1984 Aug 15;54(4):734-8

Supportive care for the patient with myelosuppression and immunosuppression. Daly PA. **Ir Med J** 1983 Nov; 76(11):466-70

A portable clean air enclosure for neutropenic patients requiring hospital treatment: a preliminary study. Minns RJ, et al. **J Hosp Infect** 1983 Dec;4(4):406-9

Controlled study of therapeutic granulocyte transfusions in granulocytopenic patients with severe infections. Matsue K, et al. **Jpn J Clin Oncol** 1984 Mar;14(1):21-30

Granulocyte transfusions in leukopenic dogs. Epstein RB, et al. **Prog Clin Biol Res** 1977;13:227-41 (56 ref.)

Granulocyte transfusion therapy for life-threatening bacteremia: results of transfusion trials at the National Cancer Institute. Graw RG Jr, et al. **Prog Clin Biol Res** 1977;13:267-80 (27 ref.)

Granulocyte transfusions: experience at Roswell Park Memorial Institute. Higby DJ, et al. **Prog Clin Biol Res** 1977;13:293-304

Granulocyte collection and transfusion. McCredie KB, et al. **Prog Clin Biol Res** 1977;13:315-20

Current status of granulocyte transfusion therapy. Schiffer CA, et al. **Prog Clin Biol Res** 1977;13:281-92 (41 ref.)

Early granulocyte transfusions in high risk febrile neutropenic patients. **Schweiz Med Wochenschr [Suppl]** 1983;14:46-8

Normal bone marrow as a source of granulocytes for transfusion. Aghai E. **Transfusion** 1983 Nov-Dec; 23(6):496-9

AGRAPHIA

DIAGNOSIS

Agraphia and micrographia: clinical manifestations of motor programming and performance disorders. Margolin DI, et al. **Acta Psychol (Amst)** 1983 Oct;54(1-3):263-83

ETIOLOGY

An analysis of writing in a case of deep dyslexia. Nolan KA, et al. **Brain Lang** 1983 Nov;20(2):305-28

Pure 'aphasic' agraphia due to damage of the left superior parietal lobule. Paolino E, et al. **Ital J Neurol Sci** 1983 Jun;4(2):233-7

[Agraphia, cortical anarthria and planning disorders as a result of a lesion of the right hemisphere in a right-handed patient] Demeurisse G, et al. **Acta Neurol Belg** 1984 May-Jul;84(3):119-30 (Eng. Abstr.) **(Fre)**

[Agraphia and preservation of music writing in a bilingual piano teacher] Assal G, et al. **Rev Neurol (Paris)** 1983; 139(10):569-74 (Eng. Abstr.) **(Fre)**

[Agraphia of the left hand--its characteristics and mechanism of development] Ohigashi Y, et al. **No To Shinkei** 1983 Nov;35(11):1065-72 (Eng. Abstr.) **(Jpn)**

[Case of Moyamoya disease with agraphia caused by a frontal lesion] Sato M, et al. **No To Shinkei** 1983 Nov; 35(11):1145-51 (Eng. Abstr.) **(Jpn)**

[Case of alexia with agraphia caused by hematoma of the right temporal lobe] Neshige R, et al. **Rinsho Shinkeigaku** 1983 Sep;23(9):804-7 (Eng. Abstr.) **(Jpn)**

HISTORY

Jules Dejerine and the third alexia. Henderson VW. **Arch Neurol** 1984 Apr;41(4):430-2

PSYCHOLOGY

Multiple component agraphia in a patient with atypical cerebral dominance: an error analysis. Margolin DI, et al. **Brain Lang** 1984 May;22(1):26-40

Aphasic reading and writing: possible evidence for right

hemisphere participation. Landis T, et al. **Cortex** 1982 Apr; 18(1):105–12

AGRICULTURAL CHEMISTRY see **CHEMISTRY, AGRICULTURAL**

AGRICULTURAL WORKERS' DISEASES

[Health care of women working in agriculture] Poradovský K. **Cesk Gynekol** 1984 May;49(4):241–2 **(Slo)**

CHEMICALLY INDUCED

Organophosphate and carbamate pesticide poisoning: the usefulness of a computerized clinical information system. Lerman Y, et al. **Am J Ind Med** 1984;6(1):17–26

Farmers' exposure to formic acid vapour in silage making. Liesivuori J, et al. **Ann Occup Hyg** 1983;27(3):327–9

Cutaneous effects from occupational exposure to fenvalerate. Tucker SB, et al. **Arch Toxicol** 1983 Nov;54(3):195–202

Clinical and hematological studies of workers professionally exposed to pesticides. Atanasov K, et al. **Folia Med (Plovdiv)** 1983;25(4):35–9

Spontaneous abortions among dental assistants, factory workers, painters, and gardening workers: a follow up study. Heidam LZ. **J Epidemiol Community Health** 1984 Jun;38(2):149–55

Residue of insecticides in Thai vegetable growers. Sivaborvorn K, et al. **J Med Assoc Thai** 1983 Jun;66 Suppl 1:54–7

Haematological toxicity associated with agricultural chemicals in Brazil [letter] Lorand IC, et al. **Lancet** 1984 Feb 18;1(8373):404

Agricultural chemicals and leukaemia [editorial] Armstrong BK. **Med J Aust** 1984 Sep 29;141(7):407

[Observation of a case of cerebellar atrophy in a patient poisoned by pesticides] Toso V, et al. **Riv Neurobiol** 1982 Jul–Dec;28(3–4):544–9 (Eng. Abstr.) **(Ita)**

[State of various metabolic processes in persons in contact with pesticides] Kaskevich LM, et al. **Gig Tr Prof Zabol** 1983 Oct;(10):47–8 **(Rus)**

[Effect of pesticides on the health status of pesticide technicians] Ladnova GG, et al. **Gig Tr Prof Zabol** 1984 May;(5):13–5 (Eng. Abstr.) **(Rus)**

[Gilbert's syndrome after exposure to pesticides] Bezuglyi VP, et al. **Vrach Delo** 1984 Mar;(3):105–7 **(Rus)**

[State of the cardiovascular system in horticulturists and vinedressers] Ivanova SI. **Vrach Delo** 1984 Jan;(1):109–11 **(Rus)**

[Glutathione-ascorbic acid system function in dithiocarbamate workers] Kaskevich LM. **Vrach Delo** 1983 Nov;(11):99–101 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

The breathless farm worker [editorial] Seaton A. **Br Med J [Clin Res]** 1984 Jun 30;288(6435):1940–1

Standard patch tests in agricultural workers. Garcia-Perez A, et al. **Contact Dermatitis** 1984 Mar;10(3):151–3

Lung reactions during poultry handling related to dust and bacterial endotoxin levels. Thelin A, et al. **Eur J Respir Dis** 1984 May;65(4):266–71

Capsule deficient cryptococcus neoformans an unusual clinical presentation. Atal HC, et al. **J Assoc Physicians India** 1983 Jan;31(1):49–51

Silo emptiers' diseases. Pladson TR. **Minn Med** 1984 May; 67(5):265–9

[Biological etiologic factors in dermatology] Tsyrkunov LP. **Vestn Dermatol Venerol** 1983 Jul;(7):61–4 (Eng. Abstr.) **(Rus)**

[Zoonoses of chlamydial and rickettsial origin] Fedorov EI, et al. **Vrach Delo** 1984 Apr;(4):111–4 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Animal studies of potential chronic lung disease of workers in swine confinement buildings. Donham KJ, et al. **Am J Vet Res** 1984 May;45(5):926–31

Leptospirosis and uveitis. Barkay S, et al. **Ann Ophthalmol** 1984 Feb;16(2):164–8

Allergies and agricultural exposure as risk factors for multiple myeloma. Gallagher RP, et al. **Br J Cancer** 1983 Dec; 48(6):853–7

Potential exposure of apple thinners to azinphosmethyl and comparison of two methods for assessment of hand exposure. Davis JE, et al. **Bull Environ Contam Toxicol** 1983 Dec;31(6):631–8

Fatal pulmonary aspergillosis following a farm accident [letter] Che..t 1984 Mar;85(3):448–9

Phototoxic dermatitis caused by celery infected by Sclerotinia sclerotiorum. Austad J, et al. **Contact Dermatitis** 1983 Nov;9(6):448–51

Strimmer rash. Freeman K, et al. **Contact Dermatitis** 1984 Feb;10(2):117–8

Soft tissue sarcomas in agriculture and forestry workers. Balarajan R, et al. **J Epidemiol Community Health** 1984 Jun;38(2):113–6

Conjunctivitis due to cultivation work observed among Indonesian peasants. Suzuki S. **J Hum Ergol (Tokyo)** 1983 Sep;12(1):55–63

The association of fungi with sugarcane production and lung cancer mortality in Louisiana. Mulvey JJ, et al. **J La State Med Soc** 1983 Nov;135(11):3–4

Fatal inhalation of liquid manure gas. Hagley SR, et al. **Med J Aust** 1983 Oct 29;2(9):459–60

Hypersensitivity pneumonitis due to Aspergillus fumigatus in compost. Vincken W, et al. **Thorax** 1984 Jan;39(1):74–5

[The health of agricultural workers] Macúch P. **Cas Lek Cesk** 1983 Jul 22;122(29):917–20 **(Cze)**

[Attrition of the spinal column in agricultural technicians—results of a cross-sectional study] Jürgens WW, et al. **Z Arztl Fortbild (Jena)** 1984;78(13):537–41 **(Ger)**

[Tinea barbae caused Trichophyton verrucosum] Hinz B, et al. **Z Hautkr** 1983 Oct 15;58(20):1451–4 (Eng. Abstr.) **(Ger)**

[Occupational hygiene and disease characteristics of workers in industrial poultry farming (review of the literature)] Eglite ME. **Gig Tr Prof Zabol** 1984 Jan;(1):37–40 (43 ref.) **(Rus)**

[Role of working conditions in the development of various pathological changes in female workers of glassed hothouses] Otvaga IS, et al. **Vrach Delo** 1983 Jun;(6):105–8 (Eng. Abstr.) **(Rus)**

HISTORY

[Medico-social aspects of diseases of agricultural workers of Piedmont in the 2d half of the 19th century. I] Caffaratto TM. **Minerva Med** 1984 Apr 7;75(14–15):842–51 **(Ita)**

[Medico-social aspects of the diseases of Piedmont agricultural workers during the second half of the 19th century. II] Caffaratto TM. **Minerva Med** 1984 Apr 21; 75(17):999–1012 **(Ita)**

IMMUNOLOGY

Barn allergy among Scottish farmers. Cuthbert OD, et al. **Clin Allergy** 1984 Mar;14(2):197–206

[A case of occupational grape pollinosis] Tsukioka K, et al. **Arerugi** 1984 Apr;33(4):247–50 (Eng. Abstr.) **(Jpn)**

MORTALITY

Farming and mortality from multiple myeloma: a case-control study with the use of death certificates. Cantor KP, et al. **JNCI** 1984 Feb;72(2):251–5

Cancer and aplastic anemia in British Columbia farmers. Gallagher RP, et al. **JNCI** 1984 Jun;72(6):1311–5

Cancer of lymphatic tissues in cane-growing areas of Queensland. McCabe M, et al. **Med J Aust** 1984 Sep 29; 141(7):412–4

OCCURRENCE

Respiratory symptoms and lung function among workers in swine confinement buildings: a cross-sectional epidemiological study. Donham KJ, et al. **Arch Environ Health** 1984 Mar–Apr;39(2):96–101

An outbreak of leptospirosis in cattle and man. Hart RJ, et al. **Br Med J [Clin Res]** 1984 Jun 30;288(6435):1983–4

Risk of infection associated with a wastewater spray irrigation system used for farming. Linnemann CC Jr, et al. **J Occup Med** 1984 Jan;26(1):41–4

Testicular cancer and farming [letter] Brown LM, et al. **Lancet** 1984 Jun 16;1(8390):1356

Testis cancer risk among farmers in Denmark [letter] Jensen OM, et al. **Lancet** 1984 Apr 7;1(8380):794

Testicular cancer and employment in agriculture [letter] McDowall M, et al. **Lancet** 1984 Mar 3;1(8375):510–1

Testicular cancer associated with employment in agriculture and oil and natural gas extraction. Mills PK, et al. **Lancet** 1984 Jan 28;1(8370):207–10

Prevalence and risk factors of chronic respiratory disease in a farming population. Saia B, et al. **Med Lav** 1984 Mar–Apr;75(2):101–9

Congo-Crimean hemorrhagic fever—Republic of South Africa. **MMWR** 1984 Sep 28;33(38):535–6, 541, 548

[Silo accidents (apropos of the catastrophic accident in Metz)] Larcan A, et al. **Bull Acad Natl Med (Paris)** 1983 Jun; 167(6):579–88 (Eng. Abstr.) **(Fre)**

[Irritant-induced dermatoses in farm workers] Heise H, et al. **Dermatol Monatsschr** 1983;169(10):625–30 (Eng. Abstr.) **(Ger)**

[Epidemiology of chronic non-specific lung disease in persons employed in animal production] Bona K, et al. **Z Erkr Atmungsorgane** 1983;161(3):274–8 (Eng. Abstr.) **(Ger)**

[Physiological hygiene characteristics of the working conditions for women employed on modern dairy farms] Lepeshkina TR. **Gig Sanit** 1984 Feb;(2):30–2 (Eng. Abstr.) **(Rus)**

[Microinjuries and suppurative diseases of the fingers among rural inhabitants] Omirov RIu, et al. **Ortop Travmatol Protez** 1983 Sep;(9):56–7 **(Rus)**

[Characteristics of the occurrence of infections of the skin and subcutaneous tissue in animal breeders and agricultural machine operators] Egorushkina LR, et al. **Vestn Dermatol Venerol** 1983 Oct;(10):55–7 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Acute effects of the work environment on pulmonary functions of swine confinement workers. Donham KJ, et al. **Am J Ind Med** 1984;5(5):367–75

'Potato picker's plight' [letter] Klimek E. **Can Med Assoc J** 1984 Jan 15;130(2):106

[Effect of working conditions in hothouses on the function of the upper respiratory tract] Pukhlik SM, et al. **Gig Sanit** 1983 Aug;(8):85–6 (14 ref.) **(Rus)**

PREVENTION & CONTROL

The development and use of a universal model to predict tree crop harvester pesticide exposure. Nigg HN, et al. **Am Ind Hyg Assoc J** 1984 Mar;45(3):182–6

Practical therapeutic occupational health in Kenya. Sakari WD, et al. **East Afr Med J** 1983 Dec;60(12):883–7

Pesticide use, alternatives and workers' health in Cuba. Alexander R, et al. **Int J Health Serv** 1984;14(1):31–41

Educational intervention to prevent pesticide-induced illness of field workers. Barnett PG, et al. **J Fam Pract** 1984 Jul; 19(1):123–5

Ergonomics and farm machinery. Matthews J. **J Soc Occup Med** 1983 Jul;33(3):126–36 (15 ref.)

[Research in occupational medicine and occupational pathology in the implementation of the food program in the USSR] Korbakova AI, et al. **Gig Tr Prof Zabol** 1983 Jul;(7):1–3 **(Rus)**

[Experience in organizing antituberculosis measures concerning cattle breeders] Iakovleva TA, et al. **Probl Tuberk** 1983 Nov;(11):15–7 (Eng. Abstr.) **(Rus)**

[Work activity of agricultural workers as an index of health] Kundiev IuI, et al. **Vrach Delo** 1983 Aug;(8):4–7 (Eng. Abstr.) **(Rus)**

[Experience with the work of preventive care facilities in collective and state farms of the Chernovtsy Region] Penishkevich IT, et al. **Vrach Delo** 1983 Jul;(7):107–8 **(Rus)**

RADIOGRAPHY

Hay balers' fractures. Mayba II. **J Trauma** 1984 Mar; 24(3):271–3

AGRICULTURE

Eye injuries in agriculture. Saari KM, et al. **Acta Ophthalmol [Suppl] (Copenh)** 1984;161:42–51

Spontaneous abortions, stillbirths, and birth defects in families of agricultural pilots. Roan CC, et al. **Arch Environ Health** 1984 Jan–Feb;39(1):56–60

Cultivation of two varieties of winged bean (Psophocarpus tetragonolobus, L. DC) in Jaboticabal, São Paulo. Lam-Sánchez A, et al. **Arch Latinoam Nutr** 1983 Dec; 33(4):874–83

Surgeons in the fields. Ryan M. **Br Med J [Clin Res]** 1984 Jul 7;289(6436):37–8

Tea-leaf plucking—workloads and environmental studies. Sen RN, et al. **Ergonomics** 1983 Sep;26(9):887–93

Cadmium contamination in agriculture and zootechnology. Van Bruwaene R, et al. **Experientia** 1984 Jan 15;40(1):43–52 (72 ref.)

Sperm count results from 861 American chemical/agricultural workers from 14 separate studies. Whorton MD, et al. **Fertil Steril** 1984 Jul;42(1):82–6

'First-step' adaptation of Okinawan agricultural settlers in eastern Bolivia from their demography and subsistence change. Ohtsuka R. **J Hum Ergol (Tokyo)** 1983 Sep; 12(1):15–25

Biological monitoring technique questioned [letter] Hathaway TR, et al. **J Occup Med** 1984 Mar;26(3):174–5

Farm machinery injuries. Simpson SG. **J Trauma** 1984 Feb; 24(2):150–2

Cancer mortality among farmers [letter] Buesching DP, et al. **JNCI** 1984 Mar;72(3):503–4

Science in India. Green revolution: caring for a continent [news] **Nature** 1984 Apr 12–18;308(5960):598–9

Soviet agriculture: salt in the wounds [news] Rich V. **Nature** 1984 Apr 26–May 2;308(5962):764

Psychiatric disorder in a rural and an urban population: 3. Social integration and the morphology of affective disorder. Prudo R, et al. **Psychol Med** 1984 May; 14(2):327–45

Political, economic, and philosophical aspects of pesticide use for human welfare. Büchel KH. **Regul Toxicol Pharmacol** 1984 Jun;4(2):174–91

USDA struggles to reform its research [news] Fox JL. **Science** 1984 Sep 21;225(4668):1376–8

Deadlock over explosive dust [news] Marshall E. **Science** 1983 Nov 4;222(4623):485–7

Income and dietary adequacy in an agricultural community. DeWalt KM. **Soc Sci Med** 1983;17(23):1877–86

Farm and ranch injuries in west Texas. Jackson FC. **Tex Med** 1983 Sep;79(9):51–4

Nutritional characteristics and suggestions for improvement of a typical peri-urban agricultural migrant worker's diet in southern Brazil. Desai ID, et al. **World Rev Nutr Diet** 1983;41:76–96 (16 ref.)

[Ecological monitoring in agro-ecological systems] Balkov BD. **Vet Med Nauki** 1983;20(7):98–105 (Eng. Abstr.) **(Bul)**

[Economic problems of nutrition and agriculture in the modern world] Kociánová H. **Cas Lek Cesk** 1984 Apr 20; 123(16):465–71 (Eng. Abstr.) **(Cze)**

[Towards gardening technology] Pousseur H. **Acta Psychiatr Belg** 1983 May–Jun;83(3):207–19 (Eng. Abstr.) **(Fre)**

[Pollution by urban and farm wastes: eutrophication] Romaña

LA. **Bull Acad Natl Med (Paris)** 1983 May;167(5):499–505 (Fre)
[Development of animal draught and evolution of pastoral systems in Siné Saloum, Senegal (1970–1981)] Lhoste P. **Rev Elev Med Vet Pays Trop** 1983;36(3):291–300 (Eng. Abstr.) (Fre)
[Status and perspectives of agrarian production and food supply in developing countries] Michalski KJ. **Beitr Trop Landwirtsch Veterinarmed** 1983;21(3):255–66 (Eng. Abstr.) (Ger)
[Use of sewage sludge in agriculture] Furrer OJ. **Schweiz Arch Tierheilkd** 1983 Oct;125(10):579–88 (Ger)
[Sewage sludge and agriculture] Milani B. **Schweiz Arch Tierheilkd** 1983 Oct;125(10):565–70 (Ger)
[Hygienic quality control of sewage sludge used in fodder and vegetable cultivation] Stadelmann FX. **Schweiz Arch Tierheilkd** 1983 Oct;125(10):747–52 (Ger)
[Incidence of carcinogens in the work environment] Ebert R. **Z Arztl Fortbild (Jena)** 1983;77(15):653–4 (Ger)
[Frequency of pulmonary function disorders as a function of the degree of sensitization. Studies in a poultry farm] Wuthe H, et al. **Z Erkr Atmungsorgane** 1983;161(2):159–62 (Eng. Abstr.) (Ger)
[Heavy metal problems in the agricultural utilization of sewage sludge] Leschber R. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Sep; 178(1–2):186–93 (Eng. Abstr.) (Ger)
[Communicable disease problems of sewage sludge] Strauch D, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Sep; 178(1–2):142–54 (Eng. Abstr.) (Ger)
[Thermal balance in workers of in greenhouses for the cultivation of tropical plants] Catenacci G, et al. **Boll Soc Ital Biol Sper** 1984 Mar 30;60(3):575–80 (Eng. Abstr.) (Ita)
[8 cases of injury caused by power hoes with vascular involvement] La Rosa M, et al. **Minerva Cardioangiol** 1984 Jan–Feb;32(1–2):9–13 (Eng. Abstr.) (Ita)
[Thin-layer chromatographic determination of air levels of pesticides used in the rotation of sugar beet crops] Belashova IG, et al. **Gig Sanit** 1983 Sep;(9):44–6 (Rus)
[Instructions on hygiene for girls learning fruit and vegetable growing trades] Buzunov VA, et al. **Gig Sanit** 1983 Jul; (7):14–7 (Eng. Abstr.) (Rus)
[Concentration and determination of microquantities of synthetic pyrethroids in air] Girenko DB, et al. **Gig Sanit** 1984 Mar;(3):57–9 (Rus)
[Changes in the functional state of adolescents during training in tractor operations] Kharevich TV. **Gig Sanit** 1984 Jan; (1):76–7 (Rus)
[The biological method of plant protection used in agricultural practice of Uzbek S.S.R. and its health value] Kogai RE, et al. **Gig Sanit** 1983 Sep;(9):62–3 (Rus)
[Body vitamin C, B1 and B2 allowances for female hothouse workers] Sviatoslavova VV, et al. **Gig Sanit** 1984 Feb; (2):59–61 (Rus)
[Occupational hygiene of women workers engaged in sugarbeet cultivation] Buzunov VA, et al. **Gig Tr Prof Zabol** 1984 May;(5):10–3 (Eng. Abstr.) (Rus)
[Health status, working conditions and reactions to occupational load in women of retirement age working in vegetable-growing industry] Podlavskaia LI, et al. **Gig Tr Prof Zabol** 1983 Sep;(9):40–1 (Rus)
[Immunologic status of agricultural workers based on indices of blood serum immunoglobulins] Radchenko VG, et al. **Gig Tr Prof Zabol** 1984 Jan;(1):28–31 (Eng. Abstr.) (Rus)
[Working conditions during the agricultural use of granulated forms of pesticides] Radzievskaia EA. **Gig Tr Prof Zabol** 1984 Feb;(2):28–30 (Eng. Abstr.) (Rus)
[Effect of agricultural reclamation and sanitation measures on the epidemiology of zoonotic cutaneous leishmaniasis in Kashka-Darya Province, Uzbek SSR] Morozov VI, et al. **Med Parazitol (Mosk)** 1984 May–Jun;(3):56–61 (Eng. Abstr.) (Rus)
[Hygienic aspects of youth work brigades] Kalaĭkova P, et al. **Probl Khig** 1983;8:138–43 (Eng. Abstr.) (Rus)
[Epidemiology of tuberculosis in various areas of Uzbekistan with diverse agricultural specialization] Kalankhodzhaev AA, et al. **Probl Tuberk** 1983 Nov;(11):7–11 (Eng. Abstr.) (Rus)
[Medical and ecological problems of the agroindustrial complex] Serdiuk AM. **Vrach Delo** 1984 Jul;(7):1–7 (Rus)
[Prerequisites for the ecological prognosis of tularemia and leptospirosis foci in human activities in the national economy] Siniak KM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Aug;(8):62–6 (Rus)

HISTORY

Diet in the Dark Ages [news] Hodges R. **Nature** 1984 Aug 30–Sep 5;310(5980):726–7

INSTRUMENTATION

Ergonomics and farm machinery. Matthews J. **J Soc Occup Med** 1983 Jul;33(3):126–36 (15 ref.)
Hay baler trauma to the upper extremity: a roller injury. Gainor BJ. **J Trauma** 1983 Dec;23(12):1069–71
Leads from the MMWR. Farm-tractor associated deaths—Georgia. **JAMA** 1983 Oct 14;250(14):1817
[Hygienic characteristics of modern sprinkling equipment used in fields irrigated by water from cattle breeding complexes] Mikhailova GG, et al. **Gig Sanit** 1983 Dec; (12):66–8 (Rus)
[Working conditions and temporary loss of work capacity in agricultural machinery operators] Galuzova VG. **Sov Zdravookhr** 1984;(6):20–5 (Eng. Abstr.) (Rus)
[Dermatologic morbidity among workers at an agricultural machinery assembly plant and ways of reducing it] Chipizhenko VA, et al. **Vestn Dermatol Venerol** 1983 Aug; (8):59–63 (Eng. Abstr.) (Rus)
[Eye function in agricultural machinery operators coming in contact with pesticides] Alieva ZA. **Vestn Oftalmol** 1983 Nov–Dec;(6):62–4 (Rus)

METHODS

Aspects of smoking in developing countries in Africa. Femi-Pearse D. **NY State J Med** 1983 Dec;83(13):1312–3
The environmental impact of tobacco production in developing countries. Madeley J. **NY State J Med** 1983 Dec;83(13):1310–1
[Hygienic evaluation of the working conditions on commercial animal husbandry-farm complexes in connection with the use of fields for plowing under] Fokin IuV, et al. **Gig Sanit** 1983 Jun;(6):77–8 (Rus)
[Hygienic evaluation of the technology of applying pesticides and mineral fertilizers in corn cultivation on an industrial basis] Velikil VI. **Gig Sanit** 1983 Jul;(7):29–33 (Eng. Abstr.) (Rus)

STANDARDS

The risks and problems associated with the import and export of domestic poultry. Ashton WL. **Br Vet J** 1984 May–Jun; 140(3):221–8
[Role of veterinary medical personnel in managing the quality of agricultural production] Tsanov Ts. **Vet Med Nauki** 1984;21(3):104–13 (Eng. Abstr.) (Bul)
[Agroalimentary technologies. Effects on health] Raoul Y. **Bull Acad Natl Med (Paris)** 1983 Feb;167(2):131–6 (Eng. Abstr.) (Fre)
[Hygienic evaluation of agronomic standards for applying mineral fertilizers to the soil] Cherviakova TB. **Gig Sanit** 1983 Nov;(11):27–9 (Eng. Abstr.) (Rus)
[Hygienic standardization and normalization of the microclimate of cabins in power-operated agricultural machines and tractors] Shleifman FM, et al. **Gig Tr Prof Zabol** 1984 Apr;(4):6–9 (Eng. Abstr.) (Rus)

AGROBACTERIUM

CLASSIFICATION

[Taxonomic position of Agrobacterium strains of hospital origin] Popoff MY, et al. **Ann Microbiol (Paris)** 1984 May–Jun;135(3):427–42 (Eng. Abstr.) (Fre)

ENZYMOLOGY

D-glucosaminate dehydratase: spectrometric properties of the enzyme-bound pyridoxal 5'-phosphate. Iwamoto R, et al. **J Biochem (Tokyo)** 1984 Jan;95(1):13–8

GENETICS

Changes in properties of phytopathogenic bacteria effected by plasmid pRD1. Kozyrovskaya NA, et al. **Arch Microbiol** 1984 Apr;137(4):338–43
Transformation of several species of higher plants by Agrobacterium rhizogenes: sexual transmission of the transformed genotype and phenotype. Tepfer D. **Cell** 1984 Jul;37(3):959–67
Right 25 bp terminus sequence of the nopaline T-DNA is essential for and determines direction of DNA transfer from agrobacterium to the plant genome. Wang K, et al. **Cell** 1984 Sep;38(2):455–62
The complete nucleotide sequence of the TL-DNA of the Agrobacterium tumefaciens plasmid pTiAch5. Gielen J, et al. **EMBO J** 1984 Apr;3(4):835–46
A simple method to transfer, integrate and study expression of foreign genes, such as chicken ovalbumin and alpha-actin in plant tumors. Koncz C, et al. **EMBO J** 1984 May;3(5):1029–37
The T-region of Ti plasmids codes for an enzyme synthesizing indole-3-acetic acid. Schröder G, et al. **Eur J Biochem** 1984 Jan 16;138(2):387–91
A general method for the transfer of cloned genes to plant cells. Shaw CH, et al. **Gene** 1983 Sep;23(3):315–30
Mannityl opine analogs allow isolation of catabolic pathway regulatory mutants. Chilton WS, et al. **J Bacteriol** 1984 May;158(2):650–8
Succinamopine: a new crown gall opine. Chilton WS, et al. **J Bacteriol** 1984 Feb;157(2):357–62
Characterization of the replication and stability regions of Agrobacterium tumefaciens plasmid pTAR. Gallie DR, et al. **J Bacteriol** 1984 Mar;157(3):739–45
trans-Acting virulence functions of the octopine Ti plasmid from Agrobacterium tumefaciens. Hille J, et al. **J Bacteriol** 1984 May;158(2):754–6
Rhizobium meliloti nodulation genes allow Agrobacterium tumefaciens and Escherichia coli to form pseudonodules on alfalfa. Hirsch AM, et al. **J Bacteriol** 1984 Jun; 158(3):1133–43
Transfer of the octopine T-DNA segment to plant cells mediated by different types of Agrobacterium tumor- or root-inducing plasmids: generality of virulence systems. Hoekema A, et al. **J Bacteriol** 1984 Apr;158(1):383–5
Hairy-root-inducing plasmid: physical map and homology to tumor-inducing plasmids. Huffman GA, et al. **J Bacteriol** 1984 Jan;157(1):269–76
Characterization of transposon Tn5-facilitated donor strains and development of a chromosomal linkage map for Agrobacterium tumefaciens. Pischl DL, et al. **J Bacteriol** 1984 Jul;159(1):1–8
Transfer of Rhizobium meliloti pSym genes into Agrobacterium tumefaciens: host-specific nodulation by atypical infection. Truchet G, et al. **J Bacteriol** 1984 Jan; 157(1):134–42
Transfer of an indigenous plasmid of Rhizobium loti to other rhizobia and Agrobacterium tumefaciens. Pankhurst CE, et al. **J Gen Microbiol** 1983 Aug;129 (Pt 8):2535–43
Nucleotide sequence and transcript mapping of the tmr gene of the pTiA6NC octopine Ti-plasmid: a bacterial gene involved in plant tumorigenesis. Lichtenstein C, et al. **J Mol Appl Genet** 1984;2(4):354–62
Studies on Tn951 (lac+) expression in Agrobacterium. Borland PA, et al. **MGG** 1984;193(3):535–7
Genetic complementation of Agrobacterium tumefaciens Ti plasmid mutants in the virulence region. Lundquist RC, et al. **MGG** 1984;193(1):1–7
Mapping of promoter-proximal regions by in vitro transcription of two Agrobacterium tumefaciens Ti-plasmids. Risuelo G, et al. **Mol Biol Rep** 1984 Jul; 10(1):49–55
Light-inducible and chloroplast-associated expression of a chimaeric gene introduced into Nicotiana tabacum using a Ti plasmid vector. Herrera-Estrella L, et al. **Nature** 1984 Jul 12–18;310(5973):115–20
Nucleotide sequence of the tmr locus of Agrobacterium tumefaciens pTi T37 T-DNA. Goldberg SB, et al. **Nucleic Acids Res** 1984 Jun 11;12(11):4665–77
Nucleotide sequence of the Agrobacterium tumefaciens octopine Ti plasmid-encoded tmr gene. Heidekamp F, et al. **Nucleic Acids Res** 1983 Sep 24;11(18):6211–23
DNA sequence analysis of crown gall tumor T-DNA encoding the 0.7 kb transcript. McPherson JC. **Nucleic Acids Res** 1984 Mar 12;12(5):2317–25
The sequence of the tms transcript 2 locus of the A. tumefaciens plasmid pTiA6 and characterization of the mutation in pTiA66 that is responsible for auxin attenuation. Sciaky D, et al. **Nucleic Acids Res** 1984 Feb 10;12(3):1447–61
Map locations of five transcripts homologous to TR-DNA in tobacco and sunflower crown gall tumors. Winter JA, et al. **Nucleic Acids Res** 1984 Mar 12;12(5):2391–406
A new technique for genetic engineering of Agrobacterium Ti plasmid. Comai L, et al. **Plasmid** 1983 Jul;10(1):21–30
A comparison of virulence determinants in an octopine Ti plasmid, a nopaline Ti plasmid, and an Ri plasmid by complementation analysis of Agrobacterium tumefaciens mutants. Hooykaas PJ, et al. **Plasmid** 1984 May; 11(3):195–205
Physical map of the Agrobacterium rhizogenes strain 8196 virulence plasmid. Koplow J, et al. **Plasmid** 1984 Jan; 11(1):17–27
T-DNA fragments of hairy root plasmid pRi8196 are distantly related to octopine and nopaline Ti plasmid T-DNA. Lahners K, et al. **Plasmid** 1984 Mar;11(2):130–40
Restriction endonuclease mapping of the root-inducing plasmid of Agrobacterium rhizogenes 1855. Pomponi M, et al. **Plasmid** 1983 Sep;10(2):119–29
Extra DNA in the T region of crown gall Ti-plasmid pTiA66. Waldron C, et al. **Plasmid** 1983 Sep;10(2):199–203
Nucleotide sequence of the tms genes of the pTiA6NC octopine Ti plasmid: two gene products involved in plant tumorigenesis. Klee H, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(6):1728–32
Crown gall oncogenesis: evidence that a T-DNA gene from the Agrobacterium Ti plasmid pTiA6 encodes an enzyme that catalyzes synthesis of indoleacetic acid. Thomashow LS, et al. **Proc Natl Acad Sci USA** 1984 Aug;81(16):5071–5
[Cloning of the Ti-plasmid DNA fragments of Agrobacterium tumefaciens in Escherichia coli and the identification of the site of origin of Ti-plasmid replication] Piruzian ES, et al. **Dokl Akad Nauk SSSR** 1983; 273(5):1249–51 (Rus)

IMMUNOLOGY

Physical & chemical studies on lipopolysaccharide of Agrobacterium tumefaciens. Banerjee D, et al. **Indian J Biochem Biophys** 1983 Jun;20(3):154–9

METABOLISM

Enhanced 3-methoxytyramine levels in crown gall tumours and other undifferentiated plant tissues. Mitchell SD, et al. **Biochem J** 1984 Aug 1;221(3):891–5
Relationship between adenylate cytokinin production and Ti plasmid of Agrobacterium tumefaciens. Sonoki S, et al. **Nucleic Acids Symp Ser** 1983;(12):111–4

PHYSIOLOGY

Flagella-specific bacteriophages of Agrobacterium tumefaciens: demonstration of virulence of nonmotile mutants. Bradley DE, et al. **Can J Microbiol** 1984 May;

30(5):676–81

AID TO FAMILIES WITH DEPENDENT CHILDREN

LEGISLATION & JURISPRUDENCE

Can effective birth control be legislated? An analysis of factors that predict birth control utilization. Murphy JG, et al. **J Public Health Policy** 1984 Jun;5(2):198–212

AID TO THE BLIND see **SOCIAL SECURITY**

AID TO THE TOTALLY DISABLED see **SOCIAL SECURITY**

AIDS see **ACQUIRED IMMUNODEFICIENCY SYNDROME**

AINHUM

[Ainhum] van Zyl ML, et al. **S Afr Med J** 1984 Jul 21; 66(3):107–8 (Eng. Abstr.) **(Afr)**

RADIOGRAPHY

Ainhum—an unusual presentation involving the second toe in a white male. Bertoli CL, et al. **Skeletal Radiol** 1984; 11(2):133–5

AIR

Pneumatization of the occipital bone as a cause of radiolucent skull lesions. Lo WW, et al. **AJNR** 1983 Nov–Dec; 4(6):1249–50

Intraventricular air and meconium–stained amniotic fluid from intrapartum rupture of myelomeningocele. Robinow M, et al. **AJNR** 1983 Sep–Oct;4(5):1122–3

Air contrast vs. metrizamide in neonatal gasless abdomen [letter] Tucker AS. **AJR** 1984 Aug;143(2):430–1

Effect on the retina of an air cushion in the anterior chamber and coaxial illumination. Fechner PU, et al. **Am J Ophthalmol** 1983 Nov;96(5):600–4

Hypotension secondary to air trapping treated with expiratory flow retard. Weng JT, et al. **Anesthesiology** 1984 Apr;60(4):350–3

Comparison of ultrasonically nebulized distilled water and hyperventilation with cold air in asthma. Fabbri LM, et al. **Ann Allergy** 1984 Aug;53(2):172–7

Air curtains for reducing exposure of heading machine operators to dust in coal–mines. Ford VH, et al. **Ann Occup Hyg** 1984;28(1):93–106

Retinal fold in macula following intraocular gas. An avoidable complication of retinal detachment surgery. Pavan PR. **Arch Ophthalmol** 1984 Jan;102(1):83–4

Effects of air–drying in vitro on human dentine permeability. Pashley DH, et al. **Arch Oral Biol** 1984;29(5):379–83

Salicylate pharmacokinetics in the dog at 6 ATA in air and at 2.8 ATA in 100% oxygen. Kramer WG, et al. **Aviat Space Environ Med** 1983 Aug;54(8):682–4

Effects of nitrous oxide anesthesia on intraocular air volume. Boucher MC, et al. **Can J Ophthalmol** 1983 Aug; 18(5):246–7

Assessment of air vs helium–oxygen flow–volume curves as an epidemiologic screening test. Knudson RJ, et al. **Chest** 1984 Sep;86(3):419–23

Conditioning of inspired air by a hygroscopic condenser humidifier. Primiano FP Jr, et al. **Crit Care Med** 1984 Aug; 12(8):675–8

Air entrapment in pressure monitoring lines. Soule DT, et al. **Crit Care Med** 1984 Jun;12(6):520–2

Air esophagogram: a frequent observation in goiters. Komolafe F. **Diagn Imag Clin Med** 1984;53(3):128–30

Relative source contributions of diet and air to ingested asbestos exposure. Rowe JN. **Environ Health Perspect** 1983 Nov;53:115–20

Interim guidelines on limits of human exposure to airborne ultrasound. International Non–Ionizing Radiation Committee of the International Radiation Protection Association. **Health Phys** 1984 Apr;46(4):969–74

Penetration of submicron aerosols through high–efficiency air filters. Yamada Y, et al. **Health Phys** 1984 Mar; 46(3):543–7

The distribution of pneumatisation in the skeleton of the adult domestic fowl. Hogg DA. **J Anat** 1984 Jun;138 (Pt 4):617–29

Microculture model studies on the effect of various gas atmospheres on microbial growth at different temperatures. Eklund T, et al. **J Appl Bacteriol** 1983 Aug;55(1):119–25

Air resistance and its influence on the biomechanics and energetics of sprinting at sea level and at altitude. Ward–Smith AJ. **J Biomech** 1984;17(5):339–47

Reduction in complement activation from biomaterials by removal of air nuclei from the surface roughness. Ward CA, et al. **J Biomed Mater Res** 1984 Mar;18(3):255–69

Air insufflation of the colon as an adjunct to computed tomography of the pelvis. Megibow AJ, et al. **J Comput Assist Tomogr** 1984 Aug;8(4):797–800

Skin versus air servocontrol of temperature [letter] LeBlanc MH. **J Pediatr** 1984 Jun;104(6):958–9

Intraventricular air during coronary operation [letter] Murphy DA, et al. **J Thorac Cardiovasc Surg** 1984 Jul; 88(1):150–1

Cold air challenge of airway hyperreactivity in children: practical application and theoretical aspects. Zach M, et al. **Pediatr Res** 1984 May;18(5):469–78

Theoretical and experimental studies of the influence of air kerma rate on threshold contrast in diagnostic fluoroscopy systems. Harrison RM, et al. **Phys Med Biol** 1983 Nov; 28(11):1319–31

Effects of hyperbaric oxygen and hyperbaric air on the survival of island skin flaps. Tan CM, et al. **Plast Reconstr Surg** 1984 Jan;73(1):27–30

[Use of air and gas in the treatment of detachment of the retina in aphakia] Brasseur G, et al. **Bull Soc Ophtalmol Fr** 1983 Jun–Jul;83(6–7):865–7 (Eng. Abstr.) **(Fre)**

[Air as an internal tamponade in retinal surgery] Gnad H, et al. **Fortschr Ophthalmol** 1984;81(1):102–4 (Eng. Abstr.) **(Ger)**

[Hemostasis using hot air coagulation] Casanova M, et al. **Helv Chir Acta** 1984 Apr;51(1):137–40 (Eng. Abstr.) **(Ger)**

[Computed tomographic volumetry of the pneumatic system of the ear. Comparison of normal subjects and patients with ear diseases] Brassow F, et al. **ROFO** 1984 Feb; 140(2):158–61 (Eng. Abstr.) **(Ger)**

[Roentgenological signs of the presence of air in the prevertebral soft tissues in the neck in cases of foreign bodies in the laryngopharynx and esophagus] Kossovol AL. **Vestn Otorinolaringol** 1984 May–Jun;(3):61–5 (Eng. Abstr.) **(Rus)**

[Lung air cysts] Kharitonov VA. **Vrach Delo** 1983 Jul; (7):15–6 **(Rus)**

ANALYSIS

Oxygen deficiency hazards associated with liquefied gas systems: derivation of a program of controls. Miller TM, et al. **Am Ind Hyg Assoc J** 1984 May;45(5):293–8

Automated determination of formaldehyde in air without the use of tetrachloromercurate(II). Walters RB. **Am Ind Hyg Assoc J** 1983 Sep;44(9):659–61

The critical orifice revisited: a novel low pressure drop critical orifice. Zimmerman NJ, et al. **Am Ind Hyg Assoc J** 1984 May;45(5):340–4

Allergens detected in association with airborne particles capable of penetrating into the peripheral lung. Findlay SR, et al. **Am Rev Respir Dis** 1983 Dec;128(6):1008–12

Gas analyzer or anesthesia circuit malfunction? Let room air decide [letter] Tyler IL, et al. **Anesth Analg** 1984 Jul; 63(7):702–3

Aeroallergens of the southeast Missouri area: a report of skin test frequencies and air sampling data. Chapman JA, et al. **Ann Allergy** 1984 Jun;52(6):411–8

Blood– and air–lead concentrations during five years of occupational exposure: the effectiveness of an occupational hygiene programme and problems due to welding operations. Dössing M, et al. **Ann Occup Hyg** 1983; 27(4):367–72

Concentration of diazinon in air of a retail garden store. Wachs T, et al. **Bull Environ Contam Toxicol** 1983 Nov; 31(5):582–4

Mechanical influences on the capnogram. Schena J, et al. **Crit Care Med** 1984 Aug;12(8):672–4

Half–lives of selected tobacco smoke exposure markers. Lynch CJ. **Eur J Respir Dis [Suppl]** 1984;133:63–7

Is raised breath hydrogen related to the pathogenesis of pneumatosis coli? Read NW, et al. **Gut** 1984 Aug; 25(8):839–45

Are video display terminals a source of increased PCB concentration in the working atmosphere? One answer. Benoit FM, et al. **Int Arch Occup Environ Health** 1984; 53(3):261–7

Elemental analysis of airborne grain dusts. Wirtz GH, et al. **J Environ Sci Health [B]** 1984 Apr;19(3):379–91

Laboratory animal allergy: the measurement of airborne urinary allergens and the effects of different environmental conditions. Edwards RG, et al. **Lab Anim** 1983 Jul; 17(3):235–9

Optical end–tidal air–point detector built in a nonrebreathing valve. Journée HL, et al. **Med Biol Eng Comput** 1984 May; 22(3):287–8

Survey of the methodology for evaluating negative air ions: relevance to biological studies. Pethig R. **Methods Enzymol** 1984;105:238–48

[Performance of animal housing air studies from the veterinarian's viewpoint (field study)] Aengst C, et al. **DTW** 1983 Dec 5;90(12):509–12 (Eng. Abstr.) **(Ger)**

[Optimal oxygen concentration in inspired air and the hyperoxia test in healthy newborn infants] Menzel K, et al. **Kinderarztl Prax** 1983 Oct;51(10):459–64 (Eng. Abstr.) **(Ger)**

[Effect of the decrease of pressure on the volume measurement with dry gas counters during air sampling] Kaulbach S, et al. **Z Gesamte Hyg** 1983 Sep;29(9):536–7 (Eng. Abstr.) **(Ger)**

[Air hygiene studies using adsorptive enrichment and gas chromatography] Wennrich L, et al. **Z Gesamte Hyg** 1983 Dec;29(12):750–3 (Eng. Abstr.) **(Ger)**

[Dimensional limits of respirable asbestos fiber: discussion and proposals] Patroni M. **Med Lav** 1983 Nov–Dec; 74(6):482–91 (Eng. Abstr.) **(Ita)**

[Evaluation of the morphological status of the blood in humans during an exercise test in a hermetic chamber with various concentrations of ammonia] Kalandarova MP, et al. **Kosm Biol Aviakosm Med** 1983 Nov–Dec;17(6):43–5 (Eng. Abstr.) **(Rus)**

[Metabolic disorders in men kept in an environment with a low ammonia content and their correction by physical exercise] Mukhamedieva LN, et al. **Kosm Biol Aviakosm Med** 1983 Nov–Dec;17(6):46–9 (Eng. Abstr.) **(Rus)**

AIR BLADDER see **AIR SACS**

AIR CONDITIONING

Ventilation and air conditioning—a primer for nonengineers. Mallison GF. **Am J Infect Control** 1984 Jun;12(3):200–3

Effect of alpha–adrenergic blockade on exercise–induced asthma and conditioned cold air. Walden SM, et al. **Am Rev Respir Dis** 1984 Sep;130(3):357–62

The control of microbiological hazards associated with air–conditioning and ventilation systems. Ager BP, et al. **Ann Occup Hyg** 1983;27(4):341–58 (40 ref.)

[Community health aspects of hospital hygiene. 2. Aspects of noise protection, air hygiene and air conditioning in hospitals] Schulze B, et al. **Z Arztl Fortbild (Jena)** 1983; 77(24):1023–8 **(Ger)**

[Number of germs in the air and germ sedimentation in operating rooms with discontinuous air conditioning] Lüderitz P, et al. **Z Gesamte Hyg** 1984 Jan;30(1):33–7 (Eng. Abstr.) **(Ger)**

[Quantitative monitoring of microorganisms in incoming air of air conditioning systems in hospitals] Eikmann T, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1984 Mar; 179(1):44–55 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

[The effect of conditioning inhaled air in exercise–induced asthma] Zsiray M, et al. **Allerg Immunol (Leipz)** 1983; 29(4):212–4 (Eng. Abstr.) **(Ger)**

INSTRUMENTATION

The effect of local scavenging on occupational exposure to nitrous oxide. Carlsson P, et al. **Acta Anaesthesiol Scand** 1983 Dec;27(6):470–5

[The use of recirculated water–spray humidifiers in hospital air conditioning systems] Jatzwauk L, et al. **Z Gesamte Hyg** 1984 May;30(5):283–6 (Eng. Abstr.) **(Ger)**

[Effect of ventilation systems on the dust content of the air between the vent blades] Grebtsov EM, et al. **Gig Tr Prof Zabol** 1983 Sep;(9):43–4 **(Rus)**

AIR IONIZATION

Attempts at aerosol control in a turkey rearing confinement with negative air ionization. Parker S, et al. **Am Ind Hyg Assoc J** 1983 Dec;44(12):911–5

On the effect of a negative ion generator and a mixing fan on the attachment of thoron–decay products in a thoron box. Bigu J, et al. **Health Phys** 1984 Apr;46(4):933–9

Air ionization and radiation hormesis. Prichard HM. **Health Phys** 1984 May;46(5):1139–40

The effect of negative air ionization on the growth of four generations of laboratory rats. Hinsull SM, et al. **Int J Biometeorol** 1984 May;28(2):163–8

Stimulation of interferons and endorphins/enkephalins by electro–aerosol inhalation? An experimental approach for testing an expanded hypothesis. Wehner AP. **Int J Biometeorol** 1984 Feb;28(1):47–53

Negative air ionization improves memory and attention in learning–disabled and mentally retarded children. Morton LL, et al. **J Abnorm Child Psychol** 1984 Jun;12(2):353–65

Effect of positive ionisation of inspired air on the response of asthmatic children to exercise. Lipin I, et al. **Thorax** 1984 Aug;39(8):594–6

Ionisers in the management of bronchial asthma. Nogrady SG, et al. **Thorax** 1983 Dec;38(12):919–22

[Effect of artificial air ionization on broilers] Stoianov P, et al. **Vet Med Nauki** 1983;20(8):28–35 (Eng. Abstr.) **(Bul)**

[[Possibilities of the medico–biological use of air ionization in the 18th and 19th centuries and their current usefulness] Paál A. **Orv Hetil** 1984 Mar 4;125(10):595–6, 599 **(Hun)**

[Negatively ionized air in the treatment of rhinitis] Betlejewski S, et al. **Otolaryngol Pol** 1984;38(1):45–50 (Eng. Abstr.) **(Pol)**

[Correlation of the maximum permissible concentrations of substances in the atmosphere with their ionization potential] Liashenko VI. **Gig Sanit** 1983 Dec;(12):11–3 (Eng. Abstr.) **(Rus)**

[Effect of atmospheric ionization on the accumulation of pollutants in the environment] Pencheva PK. **Gig Sanit** 1983 Jul;(7):46–8 **(Rus)**

[Corona air ionizers] Reinet IaIu. **Gig Sanit** 1984 Feb;(2):10–3 (Eng. Abstr.) **(Rus)**

[Physiologo–hygienic features of using artificial air ionization in an experimental sewing shop] Pogozhev SV, et al. **Gig Tr Prof Zabol** 1983 Oct;(10):42–3 **(Rus)**

[Biological and therapeutic significance of atmospheric ions] Armijo Valenzuela M. **An R Acad Nac Med (Madr)** 1983; 100(4):635–68 (89 ref.) **(Spa)**

AIR MICROBIOLOGY

Contribution towards the study of the Madrid air mycoflora. I. Station diversity and seasonal variation. Paya Vicens MJ, et al. **Allergol Immunopathol (Madr)** 1984 May-Jun; 12(3):193-8

Environmental aerobiological studies in allergic bronchopulmonary aspergillosis. Beaumont F, et al. **Allergy** 1984 Apr;39(3):183-93

Personal air samplers for measuring occupational exposures to biological hazards. Macher JM, et al. **Am Ind Hyg Assoc J** 1984 Feb;45(2):76-83

Sampling for airborne fungi: a statistical comparison of media. Morring KL, et al. **Am Ind Hyg Assoc J** 1983 Sep; 44(9):662-4

Epidemiology of infection by nontuberculous mycobacteria. IV. Preferential aerosolization of Mycobacterium intracellulare from natural waters. Parker BC, et al. **Am Rev Respir Dis** 1983 Oct;128(4):652-6

Legionella pneumophila contamination of a hospital humidifier. Demonstration of aerosol transmission and subsequent subclinical infection in exposed guinea pigs. Zuravleff JJ, et al. **Am Rev Respir Dis** 1983 Oct; 128(4):657-61

A survey of allergenic airborne pollen and spores in the Fairbanks area, Alaska. Anderson JH. **Ann Allergy** 1984 Jan;52(1):26-31

Mold allergy: a three year investigation (1980-1982) of the airborne fungal spores in Naples, Italy. D'Amato G, et al. **Ann Allergy** 1984 May;52(5):363-7

Airborne fungi during harmattan in Zaria, Nigeria. Lawande RV, et al. **Ann Allergy** 1984 Jan;52(1):47-9

A 13-month work-leisure-sleep environment fungal survey. Rogers SA. **Ann Allergy** 1984 May;52(5):338-41

Acute bronchoconstriction induced by cotton dust: dose-related responses to endotoxin and other dust factors. Castellan RM, et al. **Ann Intern Med** 1984 Aug; 101(2):157-63

The control of microbiological hazards associated with air-conditioning and ventilation systems. Ager BP, et al. **Ann Occup Hyg** 1983;27(4):341-58 (40 ref.)

Effect of relative humidity on the airborne survival of rotavirus SA11. Sattar SA, et al. **Appl Environ Microbiol** 1984 Apr;47(4):879-81

Aspergillus fumigatus and other thermotolerant fungi generated by hospital building demolition. Streifel AJ, et al. **Appl Environ Microbiol** 1983 Aug;46(2):375-8

Progression of tracheal lesions in turkeys exposed by aerosol to LaSota strain of Newcastle disease virus. Abdul-Aziz TA, et al. **Avian Dis** 1983 Oct-Dec;27(4):1131-41

Aspergillus fumigatus spore concentration in outside air: Cardiff and St Louis compared. Mullins J, et al. **Clin Allergy** 1984 Jul;14(4):351-4

Classification and lysostaphin susceptibility of airborne staphylococci. Terayama K, et al. **Hokkaido Igaku Zasshi** 1983 May;58(3):313-6

Air borne fungal spora of Delhi. Singh AB, et al. **Indian J Chest Dis Allied Sci** 1983 Jan-Mar;25:31-5

Contamination of irrigation solutions in an operating theatre. Andersson BM, et al. **Infect Control** 1984 Jul;5(7):339-41

Conversation in the operating theater as a cause of airborne bacterial contamination [letter] Ritter MA. **J Bone Joint Surg [Am]** 1984 Mar;66(3):472

Non-sporeforming anaerobic bacteria in clean surgical wounds—air and skin contamination. Benediktsdóttir E, et al. **J Hosp Infect** 1984 Mar;5(1):38-49

The influence of the total body exhaust suit on air and wound contamination in elective hip-operations. Blomgren G, et al. **J Hosp Infect** 1983 Sep;4(3):257-68

Bacterial air counts obtained with a centrifugal (RCS) sampler and a slit sampler—the influence of aerosols. Casewell MW, et al. **J Hosp Infect** 1984 Mar;5(1):76-82

Flexible film isolators: microbiological safety tests. Harper GJ, et al. **J Hosp Infect** 1983 Sep;4(3):315-22

Airborne contamination of wounds in joint replacement operations: the relationship to sepsis rates. Lidwell OM, et al. **J Hosp Infect** 1983 Jun;4(2):111-31

Some factors affecting the efficiency of settle plates. Russell MP, et al. **J Hosp Infect** 1984 Jun;5(2):189-99

Suggested bacteriological standards for air in ultraclean operating rooms. Whyte W, et al. **J Hosp Infect** 1983 Jun; 4(2):133-9

Aerosol exposure of cattle to foot-and-mouth disease virus. McVicar JW, et al. **J Hyg (Lond)** 1983 Oct;91(2):319-28

Microbial investigation of the air in an apartment building. Simard C, et al. **J Hyg (Lond)** 1983 Oct;91(2):277-86

Computer-assisted evaluation of microbiological environmental control data. Russell MP, et al. **J Parenter Sci Technol** 1984 May-Jun;38(3):98-102

A multicentred investigation of clean air requirements for terminally sterilized pharmaceuticals. Whyte W. **J Parenter Sci Technol** 1983 Jul-Aug;37(4):138-44

Evaluation of a cubicle containment system in preventing gaseous and particulate airborne cross-contamination. White WJ, et al. **Lab Anim Sci** 1983 Dec;33(6):571-6

Quantitative estimation of Mycobacterium leprae in exhaled nasal breath. Green CA, et al. **Lepr Rev** 1983 Dec; 54(4):337-40

Keratinophilic fungi isolated from the air at Pavia. Della Franca P, et al. **Mycopathologia** 1984 Mar 15;85(1-2):65-8

Sampling of high concentrations of airborne fungi. Blomquist G, et al. **Scand J Work Environ Health** 1984 Apr; 10(2):109-13

Airborne molds and actinomycetes in the work environment of farmer's lung patients in Finland. Kotimaa MH, et al. **Scand J Work Environ Health** 1984 Apr;10(2):115-9

Airborne contamination of the operative wound. Ravitch MM, et al. **Surg Gynecol Obstet** 1984 Aug;159(2):177-88

Experimental Aujeszky's disease in pigs: excretion, survival and transmission of the virus. Donaldson AI, et al. **Vet Rec** 1983 Nov 19;113(21):490-4

Analysis of a series of outbreaks of Aujeszky's disease in Yorkshire in 1981-82: the possibility of airborne disease spread. Gloster J, et al. **Vet Rec** 1984 Mar 10;114(10):234-9

[Microbial content of the air in poultry houses] Petkov G, et al. **Vet Med Nauki** 1984;21(1):123-30 (Eng. Abstr.) **(Bul)**

[Estimation of the spectrum of the aerial dispersion of Bacillus thuringiensis] Smirnoff WA, et al. **Can J Microbiol** 1983 Oct;29(10):1277-9 (Eng. Abstr.) **(Fre)**

[Atmospheric and respiratory contamination by waste water aerosols] Boutin P, et al. **Rev Mal Respir** 1984;1(2):125-31 (Eng. Abstr.) **(Fre)**

[Fungal flora in a hospital environment] Mallea M, et al. **Sem Hop Paris** 1983 Sep 1;59(29-30):2113-7 (Eng. Abstr.) **(Fre)**

[Adhesion of mircroorganisms to respirator tubes] Vogel F, et al. **Dtsch Med Wochenschr** 1984 Jul 27;109(30):1148-50 (Eng. Abstr.) **(Ger)**

[Changes of bacterial flora in swine stalls depending on stall temperature under experimental conditions] Lehner B, et al. **DTW** 1984 Jun 8;91(6):222-4 (Eng. Abstr.) **(Ger)**

[Air pathogen content in the intensive care station of a pediatric clinic] Kiosz D, et al. **Monatsschr Kinderheilkd** 1984 May;132(5):274-7 (Eng. Abstr.) **(Ger)**

[Hygiene problems in hospitals containing intermediate ceilings with metal elements] Horn H, et al. **Z Gesamte Hyg** 1984 Jan;30(1):41-3 (Eng. Abstr.) **(Ger)**

[Hygienic problems of heat recovery using regenerators in buildings] Horn H, et al. **Z Gesamte Hyg** 1984 May; 30(5):287-9 (Eng. Abstr.) **(Ger)**

[Number of germs in the air and germ sedimentation in operating rooms with discontinuous air conditioning] Lüderitz P, et al. **Z Gesamte Hyg** 1984 Jan;30(1):33-7 (Eng. Abstr.) **(Ger)**

[Qualitative bacteriologic air analysis in workshops of the metal industry] Geretzki P. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1984 Jan;34(1):21-3 (Eng. Abstr.) **(Ger)**

[Pathogen distribution in waste water sprinkler irrigation] Ahmed RE, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1984 May; 179(2):151-61 (Eng. Abstr.) **(Ger)**

[Tenacity of bacteria in the airborne state. III. Model studies on the epidemiology of Pasteurella multocida influenced by a tropical climate] Dinter PS, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1984 May; 179(2):139-50 (Eng. Abstr.) **(Ger)**

[Quantitative monitoring of microorganisms in incoming air of air conditioning systems in hospitals] Eikmann T, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1984 Mar; 179(1):44-55 (Eng. Abstr.) **(Ger)**

[Comparative studies of gelatin and cellulose ester membrane filters for their suitability in determining the microorganism count in the air] Hecker W, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Jun; 177(5):375-93 (Eng. Abstr.) **(Ger)**

[A simple testing installation for the production of aerosols with constant bacteria-contaminated concentrations] Herbst M, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Apr;177(3-4):257-68 (Eng. Abstr.) **(Ger)**

[Effect of human excrement on the air flora in the vicinity of moving trains] Nikodemusz I, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Sep; 177(6):507-13 (Eng. Abstr.) **(Ger)**

[Effects of photochemical smog from a flow reactor on bacteria. II. Determination of bactericidal components in photochemical smog] Nover H, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Apr; 177(3-4):298-311 (Eng. Abstr.) **(Ger)**

[Effects of photochemical smog from a flow reactor on bacteria. I. Determination of the effects of photochemical smog on bacteria] Nover H, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Apr; 177(3-4):282-97 (Eng. Abstr.) **(Ger)**

[Production and characteristics of bacteria-labeled talc dust for experimental air hygiene studies] Ohgke H, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Apr; 177(3-4):251-6 (Eng. Abstr.) **(Ger)**

[Further microbiological studies of the air in a newly built (under the pavement) section of the underground railway in Budapest] Szám L, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Apr; 177(3-4):312-8 (Eng. Abstr.) **(Ger)**

[Air contamination by microbes from the area surrounding an activated sludge plant] Bisbini P, et al. **Nuovi Ann Ig Microbiol** 1982 Mar-Jun;33(2-3):301-21 (Eng. Abstr.) **(Ita)**

[Indoor air environment in a college dining hall in winter and summer] Yokota M, et al. **Hokkaido Igaku Zasshi** 1983 May;58(3):310-2 **(Jpn)**

[Bacterial aerosols. 9. Antibiotic sensitivity of air-borne bacteria originating from health subjects] Terayama K, et al. **Nippon Eiseigaku Zasshi** 1983 Aug;38(3):677-82 (Eng. Abstr.) **(Jpn)**

[Methodical approach to sanitary-hygienic evaluation of biological contamination of the environment] Akhundov VIu, et al. **Gig Sanit** 1984 Mar;(3):55-7 **(Rus)**

[Salmonella survivability in an experimental aerosol state] Plakhotia LP. **Gig Sanit** 1984 Jun;(6):75-7 **(Rus)**

[Comparative characteristics of methods for determining the bacterial contamination of the air] Sokolinskiĭ LM, et al. **Gig Sanit** 1984 Jun;(6):47-9 **(Rus)**

[Sanitary and bacteriological studies of the air in the Metro] Berezkina GN, et al. **Gig Tr Prof Zabol** 1983 Jul;(7):42-4 **(Rus)**

[Resistance of mesospheric microorganisms to periodic freezing—thawing] Inshenetskiĭ AA, et al. **Mikrobiologiia** 1983 Nov-Dec;52(6):902-8 (Eng. Abstr.) **(Rus)**

[Action of desiccation and low temperatures on mesospheric strains of Aspergillus niger and Penicillium chrysogenum] Imshenetskiĭ AA, et al. **Mikrobiologiia** 1984 Mar-Apr; 53(2):296-9 (Eng. Abstr.) **(Rus)**

[Action of dehydration on the survival, morphology and ultrastructure of the conidia of air-borne and culture collection strains of Aspergillus niger and Penicillium chrysogenum] Imshenetskiĭ AA, et al. **Mikrobiologiia** 1984 May-Jun;53(3):489-94 (Eng. Abstr.) **(Rus)**

[Bacterial contamination of dental technology laboratories] Ermolina EP, et al. **Stomatologiia (Mosk)** 1983 Nov-Dec; 62(6):63-4 (Eng. Abstr.) **(Rus)**

[Bacteriological characteristics of a surgical hospital] Petrov VP, et al. **Vestn Khir** 1983 Jul;131(7):11-5 (Eng. Abstr.) **(Rus)**

[Disinfection in the control of acute respiratory tract diseases] Gorovenko AA. **Voen Med Zh** 1983 Sep;(9):37-8 **(Rus)**

[Isolation of allergy-producing fungi in markets in Mexico City] López Martínez R, et al. **Alergia** 1983 Jul;30(3):103-8 (Eng. Abstr.) **(Spa)**

[Relation between meteorological conditions and the atmospheric microflora of the city of Barcelona] Calvo MA, et al. **Allergol Immunopathol (Madr)** 1983 Jul-Aug; 11(4):251-4 (Eng. Abstr.) **(Spa)**

[Fungal contamination of the atmospheric air in the city of Recife (Pernambuco, Brazil)] de Lima JA, et al. **Rev Latinoam Microbiol** 1983 Oct-Dec;25(4):243-51 (Eng. Abstr.) **(Spa)**

[Probable air-borne fungal allergens in Panama City] Sierra R, et al. **Rev Med Panama** 1984 May;9(2):116-22 (Eng. Abstr.) **(Spa)**

AIR MOVEMENTS

Airborne pollen sampling in Manoa Valley, Hawaii: effect of rain, humidity and wind. Massey DG, et al. **Ann Allergy** 1984 May;52(5):333-7

Airway movement in dogs during high-frequency jet ventilation. Quan SF, et al. **Crit Care Med** 1984 May; 12(5):452-6

On the effect of a negative ion generator and a mixing fan on the attachment of thoron-decay products in a thoron box. Bigu J, et al. **Health Phys** 1984 Apr;46(4):933-9

The effect of release height and atmospheric stability on the rate of oxidation of an airborne tritium plume. Ogram GL. **Health Phys** 1984 Jun;46(6):1306-9

Laboratory animal allergy: the measurement of airborne urinary allergens and the effects of different environmental conditions. Edwards RG, et al. **Lab Anim** 1983 Jul; 17(3):235-9

Transient dispersion of dust by wind from nonpoint sources. Chen FF, et al. **Sci Total Environ** 1983 Nov;31(2):141-55

[Myocardial infarction in the Toulon region. Influence of the prevailing winds (letter)] Chagnon A, et al. **Presse Med** 1984 Jun 16;13(25):1578-9 **(Fre)**

AIR POLLUTANTS

Production of singlet delta oxygen by atmospheric pollutants. Eisenberg WC, et al. **Carcinogenesis** 1984 Aug;5(8):1095-6

A relationship between plutonium activity densities of airborne and surface soils. Sehmel GA. **Health Phys** 1983 Dec;45(6):1047-50

[Harmful and odorous substances in the air of dwellings and public buildings] Witthauer J. **Z Erkr Atmungsorgane** 1983; 161(2):138-40 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

The changing role of animal toxicology in support of regulatory decisions. Miller FJ, et al. **Environ Health Perspect** 1983 Oct;52:169-76

Can animal pulmonary function testing provide data for regulatory decision making? O'Neil JJ, et al. **Environ Health Perspect** 1983 Oct;52:215-9

What is an adverse health effect? Higgins IT. **J Air Pollut Control Assoc** 1983 Jul;33(7):661-3

Sulfur dioxide and exercise: relationships between response and absorption in upper airways. Kleinman MT. **J Air Pollut Control Assoc** 1984 Jan;34(1):32-7

Air pollutants, bronchial hyperreactivity, and exercise. Pierson WE, et al. **J Allergy Clin Immunol** 1984 May;73(5 Pt 2):717-21

Headaches from airborne allergens. Tuft L. **Penn Med** 1983 May;86(5):36, 38

Radon in homes--a possible cause of lung cancer. Edling C, et al. **Scand J Work Environ Health** 1984 Feb;10(1):25–34
Experiences and concerns on lung cancer and radon daughter exposure in mines and dwellings in Sweden. Axelson O. **Z Erkr Atmungsorgane** 1983;161(3):232–9
[Public health and CO2] Zielhuis RL.
Ned Tijdschr Geneeskd 1983 Sep 24;127(39):1783 **(Dut)**
[Human exposure to air pollutants] Dörre W, et al.
Z Gesamte Hyg 1983 Sep;29(9):524–7 (Eng. Abstr.) **(Ger)**
[Method of determining the sensitization of the population by substances polluting the atmosphere] Red'ko LA, et al.
Gig Sanit 1984 Jun;(6):46–7 **(Rus)**

ANALYSIS

Palladium chloride enhancement of low-level mercury analysis. Diggs TH, et al. **Am Ind Hyg Assoc J** 1983 Aug; 44(8):606–8
A multiconcentration controlled test atmosphere system for calibration studies. Dixon SW, et al.
Am Ind Hyg Assoc J 1984 Feb;45(2):99–104
Formaldehyde vapor exposures in anatomy laboratories. Skisak CM. **Am Ind Hyg Assoc J** 1983 Dec;44(12):948–50
An evaluation of an ultra-high-volume airborne particulate sampler, the LEAP. Tu KW. **Am Ind Hyg Assoc J** 1984 Jun;45(6):360–4
A gas and vapor generation system with programmed automatic cyclic output. Woodfin WJ.
Am Ind Hyg Assoc J 1984 Feb;45(2):138–42
Aerosolization of technetium Tc 99m sulfur colloid during preparation. Ponto JA. **Am J Hosp Pharm** 1983 Oct; 40(10):1695–6
Sampling airborne allergens. Solomon WR. **Ann Allergy** 1984 Mar;52(3 Pt 1):140–9 (24 ref.)
Evaluation of XE-340 as a trapping medium for airborne organochlorine pesticides. Yeboah PO, et al.
Bull Environ Contam Toxicol 1984 Jul;33(1):13–9
Seasonal variation of radon concentration in dwellings. Abu-Jarad F, et al. **Health Phys** 1984 May;46(5):1126–9
Sampling and concentration measurements of 7Be and 137Cs in ground-level air at Palermo. Agelao G, et al.
Health Phys 1984 Jul;47(1):96–101
On the effect of a negative ion generator and a mixing fan on the attachment of thoron-decay products in a thoron box. Bigu J, et al. **Health Phys** 1984 Apr;46(4):933–9
A comparison of alpha spectroscopy and gross alpha techniques for determining working level in uranium mines and houses. Borak TB, et al. **Health Phys** 1984 May; 46(5):1053–61
Indoor radon measurements in the New York Capital District. Fleischer RL, et al. **Health Phys** 1984 May; 46(5):999–1011
Passive, integrated measurement of indoor radon using activated carbon. George AC. **Health Phys** 1984 Apr; 46(4):867–72
Rapid determination of noble gas radionuclide concentrations in power reactor plumes. Gogolak CV. **Health Phys** 1984 Apr;46(4):783–92
Radon-immune air monitor for plutonium. Gupton ED. **Health Phys** 1984 Jan;46(1):217–24
Plutonium in the surface air in Japan. Hirose K, et al.
Health Phys 1984 Jun;46(6):1281–5
Ambient monitoring of airborne radioactivity near a former thorium processing plant. Jensen L, et al. **Health Phys** 1984 May;46(5):1021–33
Contribution of a nuclear fuel chemical separations facility to the plutonium content of a tobacco crop. McLeod KW, et al. **Health Phys** 1984 Jun;46(6):1205–11
Cost evaluation of control measures for indoor radon progeny. Moeller DW, et al. **Health Phys** 1984 Jun; 46(6):1181–93
Optimizing the total-alpha three-count technique for measuring concentrations of radon progeny in residences. Nazaroff WW. **Health Phys** 1984 Feb;46(2):395–405
The effect of release height and atmospheric stability on the rate of oxidation of an airborne tritium plume. Ogram GL. **Health Phys** 1984 Jun;46(6):1306–9
Environmental impact of incineration of low-level radioactive wastes generated by a large teaching medical institution. Philip PC, et al. **Health Phys** 1984 May; 46(5):1123–6
A study of the performance of selected instrumentation for 133Xe personnel hazard measurements in nuclear medicine laboratories. Piltingsrud HV, et al. **Health Phys** 1984 Mar; 46(3):627–37
II.6.a General aspects. Ellen G. **IARC Sci Publ** 1983;45:255–8
II.1.b Analysis of airborne nitrosamines by means of air-sampling cartridges. Fine DH, et al. **IARC Sci Publ** 1983;45:55–62
II.1.a Analysis of airborne N-nitrosamines: general aspects and sampling strategies. Spiegelhalder B, et al.
IARC Sci Publ 1983;45:41–53
A comparative study of air-borne lead affecting different Bangkok civilian population groups. Chaikittiporn C, et al. **J Med Assoc Thai** 1983 Jun;66 Suppl 1:49–53
Passive smoking and indoor radon daughter concentrations [letter] Bergman H, et al. **Lancet** 1983 Dec 3;2(8362):1308–9
Greater contribution to blood lead from water than from air. Elwood PC, et al. **Nature** 1984 Jul 12–18; 310(5973):138–40
Air pollution emission profiles of toxic and trace elements from energy related sources: status and needs. Lioy PJ. **Neurotoxicology (Park Forest II)** 1983 Fall;4(3):103–12
Aerosol composition in remote and contaminated atmospheres: application of PIXE analysis. Winchester JW. **Neurotoxicology (Park Forest II)** 1983 Fall;4(3):69–90
Formaldehyde emitted by chemical vapor sterilizers. Cooley RL, et al. **Oral Surg** 1984 Jan;57(1):28–30
Particulate carbon in Los Angeles air. Grosjean D.
Sci Total Environ 1984 Jan 13;32(2):133–45
The use of mosses as indicators of airborne radionuclides near a major nuclear installation. Sumerling TJ.
Sci Total Environ 1984 May 1;35(3):251–65
[The level of ethylene oxide in air] Bossiroy JM, et al.
Arch Belg 1983;41(5–6):241–8 (Eng. Abstr.) **(Fre)**
[Automatic immission monitoring and immission prognosis] Herbarth O, et al. **Z Gesamte Hyg** 1983 Sep;29(9):533–5 (Eng. Abstr.) **(Ger)**
[Relation between the immission indices according to the 1st version and the current version of the 1st regulation of the 5th decree of state cultural legislation] Lässig V.
Z Gesamte Hyg 1983 Sep;29(9):528–32 (Eng. Abstr.) **(Ger)**
[Emission of polycyclic aromatic hydrocarbons, benzene and other pollutants during the burning of anthracite nut and brown coal briquettes in a room heater] Herlan A, et al.
Zentralbl Bakteriol Mikrobiol Hyg [B] 1983 Jun; 177(5):365–74 (Eng. Abstr.) **(Ger)**
[Estimation of the dispersal rate of radioactive materials under various handling conditions] Takada S, et al.
Radioisotopes 1983 May;32(5):260–9 **(Jpn)**
[Improvement of the gas trap of the diagnostic respiratory control apparatus using radioisotopes] Togashi K, et al.
Radioisotopes 1983 Jun;32(6):293–6 **(Jpn)**
[Gas chromatographic determination of alcohols in the air] Dmitriev MT, et al. **Gig Sanit** 1984 Feb;(2):49–51 **(Rus)**
[Necessity of separate determination of nitrogen monoxide and dioxide in air] Filonov VP, et al. **Gig Sanit** 1984 Mar; (3):71–3 **(Rus)**
[Determination of propylene oxide in the air by gas adsorption chromatography] Kaznina NI, et al.
Gig Sanit 1984 Jun;(6):45–6 **(Rus)**
[Use of the gas chromatography technic to determine carbon monoxide in air] Kedik LM, et al. **Gig Sanit** 1984 Apr; (4):45–6 **(Rus)**
[Studies of SO2 adsorption using air sampling hoses made of different materials] Kherrman G, et al. **Gig Sanit** 1984 Apr;(4):57–9 **(Rus)**
[Comparative study of polycyclic aromatic hydrocarbons in air and soil pollutants using a modified method of low-temperature spectrofluorimetry in liquid chromatography] Khesina AIa, et al. **Gig Sanit** 1983 Dec; (12):46–50 **(Rus)**
[Method of measuring microamounts of vapors of volatile substances] Pertsovskiĭ AL, et al. **Gig Sanit** 1984 Apr; (4):42–3 **(Rus)**
[Methylmethacrylate in atmospheric air] Petrova G.
Gig Sanit 1984 Apr;(4):55–7 **(Rus)**
[Determination of acetone in the atmosphere] Pinigina IA, et al. **Gig Sanit** 1984 Feb;(2):46–9 **(Rus)**
[Determination of copper in atmospheric air by the inversion volt-amperometric method on a mercury-graphite electrode] Roĭzenblatt EM, et al. **Gig Sanit** 1984 Apr; (4):36–7 **(Rus)**
[Method of studying the forms of transuranium elements found in aerosols by extraction with different solvents] Rysina TN, et al. **Gig Sanit** 1983 Oct;(10):53–4 **(Rus)**
[An equation for the determination of harmful atmospheric substances released from plastic] Tsendrovskaia VA.
Gig Sanit 1983 Dec;(12):62–3 **(Rus)**
[Determination of propylene in the air by a chromatographic method] Zinov'eva NP. **Gig Sanit** 1984 Jun;(6):43–5 **(Rus)**
[Radioactivity of the atmosphere and food products in Moscow 1980–1981] Zykova AS, et al. **Gig Sanit** 1983 Oct; (10):78–81 **(Rus)**
[Atmospheric pollution in a closed environment] Sega K.
Arh Hig Rada Toksikol 1983 Jun;34(2):157–82 (Eng. Abstr.) **(Scr)**
[A survey of methods for the determination of hydrogen sulfide in the atmosphere] Vadić V.
Arh Hig Rada Toksikol 1983 Mar;34(1):37–45 (Eng. Abstr.) **(Scr)**

ISOLATION & PURIFICATION

Identification and counting of asbestos fibers. Taylor DG, et al. **Am Ind Hyg Assoc J** 1984 Feb;45(2):84–8
[AgNaX zeolites for extracting butylenes from the air and their chromatographic determination] Banakh OS, et al.
Gig Sanit 1984 Feb;(2):53–5 **(Rus)**

METABOLISM

Effects of sulfur dioxide and formaldehyde on particle clearance in the rat. Mannix RC, et al.
J Toxicol Environ Health 1983 Aug-Sep;12(2–3):429–40
Physiological and histological alterations in the bronchial mucociliary clearance system of rabbits following intermittent oral or nasal inhalation of sulfuric acid mist. Schlesinger RB, et al. **J Toxicol Environ Health** 1983 Aug-Sep;12(2–3):441–65

PHARMACODYNAMICS

Alterations in macrophage functions by environmental chemicals. Gardner DE. **Environ Health Perspect** 1984 Apr; 55:343–58 (241 ref.)
Effect of atmospheric ammonia on pullets at point of lay. Deaton JW, et al. **Poult Sci** 1984 Feb;63(2):384–5

POISONING

[Significance of mixed function oxidases for evaluation of the harmful effects of chemicals on exposed persons] Popov T. **Probl Khig** 1983;8:64–73 (Eng. Abstr.) **(Rus)**

TOXICITY

Evidence for hematotoxicity and tumorigenesis in rats exposed to 100 ppm benzene. Snyder CA, et al.
Am J Ind Med 1984;5(6):429–34
Mutagenicity of air pollutants collected at industrial, urban-residential and rural areas. Takeda N, et al.
Bull Environ Contam Toxicol 1984 Jun;32(6):688–92
Correlative genotoxicity studies of airborne particles in Salmonella typhimurium and cultured human lymphocytes. Krishna G, et al. **Environ Mutagen** 1984;6(4):585–92
An investigation of fibrogenic and other toxic effects of arc-welding fume particles deposited in the rat lung. Hicks R, et al. **J Appl Toxicol** 1983 Dec;3(6):297–306
Effects of air pollutants on the oxidative metabolism and phagocytic capacity of pulmonary alveolar macrophages. Romert L, et al. **J Toxicol Environ Health** 1983 Aug-Sep; 12(2–3):417–27
Cytotoxicity and mutagenicity of vapor-phase pollutants in rat lung epithelial cells and Chinese hamster ovary cells grown on collagen gels. Zamora PO, et al.
J Toxicol Environ Health 1983 Jul;12(1):27–38
The effects of intratracheally administered coarse mode particles on respiratory tract infection in mice. Aranyi C, et al. **Toxicol Lett** 1983 Oct-Nov;19(1–2):63–72
Effects of waste incineration combustion emissions measured by some toxicity test systems. Lundberg P, et al.
Toxicol Lett 1983 Oct-Nov;19(1–2):97–105
[Health evaluation of inorganic mercury compounds with the aim of setting air standards] Ermachenko AB.
Gig Sanit 1983 Sep;(9):67–8 **(Rus)**
[Experimental study of the allergenic activity of red mercuric iodide as an atmospheric pollutant] Ermachenko AB.
Gig Sanit 1983 Nov;(11):82–3 **(Rus)**
[Data on the hygienic establishment of the maximum permissible concentration of manganese-zinc ferrite in the atmosphere] Ermachenko TP, et al. **Gig Sanit** 1983 Jun; (6):13–5 (Eng. Abstr.) **(Rus)**
[Adaptation of the body to air pollutants (using the example of phenol)] Fadeeva VK, et al. **Gig Sanit** 1983 Jun;(6):10–3 (Eng. Abstr.) **(Rus)**
[Basis for the character of the combined action of phenol and styrene in atmospheric air] Kiseleva TI. **Gig Sanit** 1984 Mar;(3):10–2 (Eng. Abstr.) **(Rus)**
[Correlation of the maximum permissible concentrations of substances in the atmosphere with their ionization potential] Liashenko VI. **Gig Sanit** 1983 Dec;(12):11–3 (Eng. Abstr.) **(Rus)**
[Experimental evidence for substantiating the maximum allowable concentration of nitrogen oxide in the atmospheric air] Shpilevskiĭ EM, et al. **Gig Sanit** 1983 Sep; (9):69–70 **(Rus)**
[Evaluation of the danger to man of volatile products of thermo-oxidative destruction and burning of polymer materials] Shterengarts RIa, et al. **Gig Sanit** 1984 Apr; (4):74–5 **(Rus)**
[Biological action of methylenetetrahydropyran and the establishment of its maximum permissible concentrations in the atmosphere] Ten II. **Gig Sanit** 1983 Oct;(10):82–4 **(Rus)**
[Calculation methods for determining MPELs and other norms] Tsendrovskaia VA. **Gig Sanit** 1983 Jun;(6):17–20 (Eng. Abstr.) **(Rus)**
[Structural changes in the cardiovascular system in exposure to the epoxy resin diluent UP-616] Krechkovskiĭ EA, et al. **Vrach Delo** 1984 Apr;(4):106–8 (Eng. Abstr.) **(Rus)**

AIR POLLUTANTS, ENVIRONMENTAL

Nonoccupational exposures to indoor air pollutants: a survey of state programs and practices. Bernstein RS, et al.
Am J Public Health 1984 Sep;74(9):1020–3
The wood preservative chromated copper arsenate is a substrate for trimethylarsine biosynthesis. Cullen WR, et al. **Appl Environ Microbiol** 1984 Feb;47(2):443–4
Health hazards of the indoor environment [editorial] Last JM. **Can J Public Health** 1984 May-Jun;75(3):189–91 **(Eng, Fre)**
Adaptation of plants to atmospheric pollutants. Hutchinson TC. **Ciba Found Symp** 1984;102:52–72
Recovery of waste anesthetic gases. Waterson CK.
Contemp Anesth Pract 1984;8:109–24
The effect of atmospheric pollution on Vitis vinifera L. pollen ultrastructure under natural conditions. Stirban M, et al.
Ecotoxicol Environ Safety 1984 Jun;8(3):208–14
Economics and politics in the assessment of causes of building illness: the NAS/NRC Report on Indoor Pollutants. Sterling TD. **Int J Health Serv** 1984;14(1):43–53
Current and projected impacts of residential wood combustion on Pacific Northwest air quality. Core JE, et al. **J Air Pollut Control Assoc** 1984 Feb;34(2):138–43

Allergen carriage by atmospheric aerosol. II. Ragweed-pollen determinants in submicronic atmospheric fractions. Habenicht HA, et al. **J Allergy Clin Immunol** 1984 Jul;74(1):64–7

Allergen carriage by atmospheric aerosol. I. Ragweed pollen determinants in smaller micronic fractions. Solomon WR, et al. **J Allergy Clin Immunol** 1983 Nov;72(5 Pt 1):443–7

Deposition and clearance of inhaled diesel exhaust particles in the respiratory tract of Fischer rats. Chan TL, et al. **J Appl Toxicol** 1981 Apr;1(2):77–82

Interspecies comparisons of particle deposition and mucociliary clearance in tracheobronchial airways. Lippmann M, et al. **J Toxicol Environ Health** 1984; 13(2–3):441–69 (94 ref.)

What is the risk from chlorofluorocarbons? Maugh TH 2d. **Science** 1984 Mar 9;223(4640):1051–2

[Evaluation and classification of ecotoxicologically relevant substances based on their chemical structure] Koch R. **Z Gesamte Hyg** 1983 Dec;29(12):731–3 (Eng. Abstr.) **(Ger)**

[Effects of photochemical smog from a flow reactor on bacteria. I. Determination of the effects of photochemical smog on bacteria] Nover H, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Apr; 177(3–4):282–97 (Eng. Abstr.) **(Ger)**

[Basis for the maximum allowable concentration of bitoxibacillin in atmospheric air] Bekzhanova EE. **Gig Sanit** 1984 Apr;(4):70–2 **(Rus)**

[Use of statistical graph methods to analyze the effect of environmental chemical pollutants on microorganisms] Geniatulin. **Gig Sanit** 1984 Mar;(3):65–70 **(Rus)**

ADVERSE EFFECTS

Environmental hazards of interest to the forensic pathologist. Meyer CR. **Am J Forensic Med Pathol** 1983 Dec;4(4):315–8 (14 ref.)

Formaldehyde vapor in mobile homes: a cross sectional survey of concentrations and irritant effects. Hanrahan LP, et al. **Am J Public Health** 1984 Sep;74(9):1026–7

Effect of kerosene heater emissions on indoor air quality and pulmonary function. Cooper KR, et al. **Am Rev Respir Dis** 1984 Apr;129(4):629–31

Comparative effects of sulfur dioxide exposures at 5 degrees C and 22 degrees C in exercising asthmatics. Linn WS, et al. **Am Rev Respir Dis** 1984 Feb;129(2):234–9

Passive smoking, gas cooking, and respiratory health of children living in six cities. Ware JH, et al. **Am Rev Respir Dis** 1984 Mar;129(3):366–74

The effects of dispersion on fibrous clays in vitro and in vivo. Griffiths DM, et al. **Ann Occup Hyg** 1983; 27(4):405–14

Health effects of air pollution due to coal combustion in the Chestnut Ridge Region of Pennsylvania: results of cross-sectional analysis in adults. Schenker MB, et al. **Arch Environ Health** 1983 Nov–Dec;38(6):325–30

Epidemiologic basis for photochemical oxidant standard. Bates DV. **Environ Health Perspect** 1983 Oct;52:125–9

Expanded operational concept of high risk groups and its role in standard setting. Calabrese EJ. **Environ Health Perspect** 1983 Oct;52:257–60

Dose considerations in the SO2-exposed exercising asthmatic. Colucci AV, et al. **Environ Health Perspect** 1983 Oct;52:221–32

Analysis of air pollution effects: uncertainties in proceeding to standards. Dawson SV. **Environ Health Perspect** 1983 Oct;52:247–53

Controlled clinical studies of air pollutant exposure: evaluating scientific information in relation to air quality standards. Hackney JD, et al. **Environ Health Perspect** 1983 Oct;52:187–91

Epidemiological bases for the current ambient carbon monoxide standards. Kuller LH, et al. **Environ Health Perspect** 1983 Oct;52:131–9

Utilization of data from human population studies for setting air quality standards: evaluation of important issues. Lebowitz MD. **Environ Health Perspect** 1983 Oct; 52:193–205

Current toxicological information as the basis for sulfur oxide standards. Mehlman MA. **Environ Health Perspect** 1983 Oct;52:261–6

Lung cancer in relation to environmental pollutants emitted from industrial sources. Brown LM, et al. **Environ Res** 1984 Aug;34(2):250–61

Lead exposure among 3-year-old children and their mothers living in a pottery-producing area. Katagiri Y, et al. **Int Arch Occup Environ Health** 1983;52(3):223–9

Tetrachloroethene in exhaled air of persons living near pollution sources. Monster AC, et al. **Int Arch Occup Environ Health** 1984;53(4):331–6

Immuno-biochemical findings in groups of individuals occupationally and non-occupationally exposed to emissions containing nickel and cobalt. Bencko V, et al. **J Hyg Epidemiol Microbiol Immunol** 1983;27(4):387–94

Air pollution and lung cancer: diesel exhaust, coal combustion. Higgins IT. **Prev Med** 1984 Mar;13(2):207–18 (39 ref.)

Feasibility of epidemiological monitoring for a proposed coal-fired power plant, Ivanpah, California. Goldsmith JR, et al. **Sci Total Environ** 1984 Jan 27;32(3):247–60

Monitoring of hospital emergency room visits as a method for detecting health effects of environmental exposures. Gross J, et al. **Sci Total Environ** 1984 Jan 27;32(3):289–302

Epidemiological monitoring in the vicinity of a coal-fired power plant. Toeplitz R, et al. **Sci Total Environ** 1984 Jan 27;32(3):233–46

[Mottled enamel caused by the polluted air due to burning coal in the room] Li S. **Chung Hua Kou Chiang Ko Tsa Chih** 1983 Jun;18(2):114–6 **(Chi)**

[Cryopreserved bull semen as the test specimen for screening environmental pollutants (the sperm test)] Kalbe L. **Z Gesamte Hyg** 1983 Dec;29(12):718–21 (Eng. Abstr.) **(Ger)**

[Biological effect of smog extract. VII. Severe disorders of the cell cycle and its phases in kidney cultures as effected by extract and fractions of smog from a heavily industrialized area] Behmer A, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Dec; 178(4):340–63 (Eng. Abstr.) **(Ger)**

[The environment of Cracow and diseases of the cardiovascular system] Król W. **Folia Med Cracov** 1982–83; 24(3–4):169–72 (Eng. Abstr.) **(Pol)**

[Effect of environmental pollution on the human respiratory system] Nikodemowicz E. **Folia Med Cracov** 1982–83; 24(3–4):173–80 (Eng. Abstr.) **(Pol)**

[Correlations between the aerosanitary conditions and the number of deaths from selected disease entities and groups] Powroźnik M, et al. **Folia Med Cracov** 1982–83; 24(3–4):211–20 (Eng. Abstr.) **(Pol)**

[Various aspects of human reproduction under the current ecological conditions of Cracow] Zamorska L, et al. **Folia Med Cracov** 1982–83;24(3–4):203–9 (Eng. Abstr.) **(Pol)**

[Temporary changes in acute respiratory symptoms depending on allergens and atmospheric air pollution] Lebovitz MD. **Przegl Lek** 1983;40(11):777–82 **(Pol)**

[Current status and research outlook for evaluating the combined effect on the body of atmospheric chemical factors] Grigor'eva KV, et al. **Gig Sanit** 1984 Jun;(6):8–11 (Eng. Abstr.) **(Rus)**

[Hygienic significance of submicroscopic fractions of asbestos dust in occupational and domestic environments] Kolev K. **Gig Sanit** 1983 Dec;(12):50–1 **(Rus)**

ANALYSIS

Evaluation of total isocyanate-in-air method using 1-(2-methoxyphenyl)piperazine and HPLC. Bagon DA, et al. **Am Ind Hyg Assoc J** 1984 Jan;45(1):39–43

Collection and determination of COUNTER (terbufos) insecticide in air. Liebowitz DP, et al. **Am Ind Hyg Assoc J** 1983 Aug;44(8):567–71

Fabric protectors. Part II - Propane, 1,1,1-trichloroethane, and petroleum distillates levels in air after application of fabric protectors. Otson R, et al. **Am Ind Hyg Assoc J** 1984 Jan;45(1):28–33

Fabric protectors. Part I - Evaluation of a grab sampling technique for determination of organic vapors. Otson R, et al. **Am Ind Hyg Assoc J** 1984 Jan;45(1):24–7

Elevated levels of carbon monoxide in the patient compartment of ambulances. Iglewicz R, et al. **Am J Public Health** 1984 May;74(5):511–2

Mass concentrations of airborne asbestos in the non-occupational environment--a preliminary report of U.K. measurements. Burdett GJ, et al. **Ann Occup Hyg** 1984;28(1):31–8

Toxicological evaluation of the Columbia spacecraft. Rippstein WJ Jr, et al. **Aviat Space Environ Med** 1983 Dec; 54(12 Pt 2):S60–7

Survey of selected organics in office air. Otson R, et al. **Bull Environ Contam Toxicol** 1983 Aug;31(2):222–9

Concentration of diazinon in air of a retail garden store. Wachs T, et al. **Bull Environ Contam Toxicol** 1983 Nov; 31(5):582–4

Evaluation and control of carbon monoxide exposure in indoor skating arenas. Kwok PW. **Can J Public Health** 1983 Jul–Aug;74(4):261–5

The use of scientific information in setting ambient air standards. Jordan BC, et al. **Environ Health Perspect** 1983 Oct;52:233–40

Trace nitrogenous species in urban atmospheres. Pitts JN Jr, et al. **Environ Health Perspect** 1983 Oct;52:153–7

Measurements of alveolar concentrations of toluene. Mølhave L, et al. **Int Arch Occup Environ Health** 1984;54(1):65–71

Detecting indoor CO exposure by measuring CO in exhaled breath. Verhoeff AP, et al. **Int Arch Occup Environ Health** 1983;53(2):167–73

Lead uptake from vegetables grown along highways. Wijn M, et al. **Int Arch Occup Environ Health** 1983;52(3):263–70

Measurement and monitoring of non-criteria (toxic) contaminants in air. A specialty conference summary. Cline JR, et al. **J Air Pollut Control Assoc** 1983 Oct;33(10):944–8

To the problem of trace elements and hydrocarbons emissions from combustion of coal. Bezačinský M, et al. **J Hyg Epidemiol Microbiol Immunol** 1984;28(2):129–38

A method for making permanent records of particles collected through a Casella dust impactor. Tuxford AF. **J Soc Occup Med** 1983 Oct;33(4):195–8

Sources of direct-acting nitroarene mutagens in airborne particulate matter. Gibson TL. **Mutat Res** 1983 Nov; 122(2):115–21

Metal contents in epiphytic bryophytes in Kitakyushu area. Nakanishi K, et al. **Sangyo Ika Daigaku Zasshi** 1984 Mar 1;6(1):31–8

A comparison between different high volume sampling systems for collecting ambient airborne particles for mutagenicity testing and for analysis of organic compounds. Alfheim I, et al. **Sci Total Environ** 1984 Mar 15;34(3):203–22

Physico-chemical characterization of atmospheric trace metal emissions from a primary zinc-lead smelter. Harrison RM, et al. **Sci Total Environ** 1983 Nov;31(2):129–40

Comparative measurements of suspended particulates using several gravimetric methods and the British smoke sampler. Laskus L. **Sci Total Environ** 1983 Oct;31(1):23–40

A comparison of carbon black with soot. Medalia AI, et al. **Sci Total Environ** 1983 Oct;31(1):1–22

Air quality in selected urban areas 1979–1980. WHO Collaborating Centre on Environmental Pollution Control, United States Environmental Protection Agency, Washington, DC. **WHO Offset Publ** 1983;(76):1–57

[Determination of the limits for gaseous and steam admixtures in the air of homes and social centers] Horn H, et al. **Z Gesamte Hyg** 1983 Dec;29(12):740–5 (Eng. Abstr.) **(Ger)**

[Studies of the vertical structure of SO2 emission load using measurements at a high-rise building] Zimmermann U, et al. **Z Gesamte Hyg** 1983 Dec;29(12):754–7 (Eng. Abstr.) **(Ger)**

[Measurements of iron, lead, arsenic and selenium concentration in respirable and nonrespirable fractions of Berlin urban aerosols] Lieback JU, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Jan; 177(1–2):37–56 (Eng. Abstr.) **(Ger)**

[Effects of photochemical smog from a flow reactor on bacteria. II. Determination of bactericidal components in photochemical smog] Nover H, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Apr; 177(3–4):298–311 (Eng. Abstr.) **(Ger)**

[Importance of determination of maximum permissible exposure levels of toxic substances in the air for human health] Dłużniewska K. **Folia Med Cracov** 1982–83; 24(3–4):243–7 (Eng. Abstr.) **(Pol)**

[Preliminary studies on the aromatic polycyclic hydrocarbon content of the soil and dust in Cracow] Mikołajek A, et al. **Folia Med Cracov** 1982–83;24(3–4):229–41 (Eng. Abstr.) **(Pol)**

[Lead, cadmium, zinc, iron and zinc protoporphyrin in the blood of parturients and newborn infants from regions contaminated with heavy metals] Wawryk R, et al. **Ginekol Pol** 1983 Aug–Sep;54(8–9):519–23 (Eng. Abstr.) **(Pol)**

[Effect of dust emission in the area of steel and electric power plants on various trace element contents of selected vegetables and fruit. I. Lead, cadmium, zinc, copper, nickel and iron contents of vegetables] Błonarz J, et al. **Rocz Panstw Zakl Hig** 1984;35(1):29–35 (Eng. Abstr.) **(Pol)**

[Cadmium content of airborne dust, soil and vegetables grown in the upper Silesian Industrial Region] Marchwińska E, et al. **Rocz Panstw Zakl Hig** 1984; 35(1):23–8 (Eng. Abstr.) **(Pol)**

[Determination of trace amounts of linuron in the air by a thin-layer chromatographic method] Atabekian VG. **Gig Sanit** 1983 Nov;(11):69 **(Rus)**

[Mass chromatographic-spectrometric study of toxic substances absorbed on dust] Dmitriev MT, et al. **Gig Sanit** 1984 Jan;(1):44–7 **(Rus)**

[Gas chromatographic determination of phytoncides in the air] Dmitriev MT, et al. **Gig Sanit** 1983 Jul;(7):43–5 **(Rus)**

[Chromatographic determination of pyrazoles in the air] Masalova LS, et al. **Gig Sanit** 1984 Jan;(1):47–8 **(Rus)**

[Photometric determination of magnesium oxide aerosols in the atmosphere] Pazynich VM, et al. **Gig Sanit** 1983 Jul; (7):60–1 **(Rus)**

[Effect of atmospheric ionization on the accumulation of pollutants in the environment] Pencheva PK. **Gig Sanit** 1983 Jul;(7):46–8 **(Rus)**

[Use of thin-layer chromatography and fluorometry for determining N-nitrosamines in air] Saliamon GS. **Gig Sanit** 1984 May;(5):57–8 **(Rus)**

[An approach to assessing the distribution of the concentrations of harmful substances in the atmosphere in the vicinity of thermal power stations] Shurkin EN, et al. **Gig Sanit** 1984 May;(5):54–6 **(Rus)**

[Influence of the chemical composition of the air on the oxidative effect of ozone indoors] Zakharchenko MP, et al. **Gig Sanit** 1983 Jul;(7):4–6 (Eng. Abstr.) **(Rus)**

[Determination of sumilex (dicycline) in the air and in biological media] Aleksandrova LG. **Gig Tr Prof Zabol** 1984 Jun;(6):46–8 **(Rus)**

[Method of determination of microcontaminants in the atmosphere of a high pressure chamber] Avetisiants BL, et al. **Kosm Biol Aviakosm Med** 1983 Sep–Oct;17(5):90–1 **(Rus)**

[Levels of mass concentrations of ammonia in the air in Zagreb] Gentilizza M, et al. **Arh Hig Rada Toksikol** 1983 Sep;34(3):193–200 (Eng. Abstr.) **(Scr)**

ISOLATION & PURIFICATION

An assessment of collection efficiency of some environmental contaminants on activated carbon. Sidhu KS. **Arch Environ Contam Toxicol** 1983 Nov;12(6):747–51

Mutagenicity studies of ambient airborne particles. II. Comparison of extraction methods. Krishna G, et al. **Mutat Res** 1983 Nov;124(2):121–8

METABOLISM

Urinary excretion of hippuric acid and o-cresol after laboratory exposure of humans to toluene. Andersson R, et al. **Int Arch Occup Environ Health** 1983;53(2):101-8

Distribution and elimination of inhaled phenanthridone in Fischer-344 rats. Dutcher JS, et al. **J Toxicol Environ Health** 1983 Oct-Dec;12(4-6):709-19

Deposition of inhaled particulate matter in the upper respiratory tract, larynx, and bronchial airways: a mathematical description. Martonen T. **J Toxicol Environ Health** 1983 Oct-Dec;12(4-6):787-800

PHARMACODYNAMICS

Effect of bedding changes and room ventilation rates on blood and brain ammonia levels in normal rats and rats with portacaval shunts. White WJ, et al. **Lab Anim Sci** 1984 Feb;34(1):49-52

POISONING

Toxic substances in the atmospheric environment. Critical review discussion papers. **J Air Pollut Control Assoc** 1983 Sep;33(9):827-43

TOXICITY

Excretion of catecholamines by children exposed to atmospheric pollution in the province of Katowice. Orgacka H, et al. **Acta Physiol Pol** 1983 Jan-Feb;34(1):11-20

Mutagenicity studies of size-fractionated oil fly ash in the Ames Salmonella typhimurium assay. Wei CI, et al. **Bull Environ Contam Toxicol** 1984 Feb;32(2):179-86

The contribution of polycyclic aromatic hydrocarbons to the carcinogenic impact of emission condensate from coal-fired residential furnaces evaluated by topical application to the skin of mice. Grimmer G, et al. **Cancer Lett** 1984 Jun;23(2):167-76

Use of national statistics in evaluating the potential health effects from synthetic fuels. Adelstein AM. **Dev Toxicol Environ Sci** 1983;11:35-42

Evaluation of human and animal data in a comprehensive health assessment of energy systems. Ahlborg UG, et al. **Dev Toxicol Environ Sci** 1983;11:43-50

Comparative approach to evaluating relative cancer risks from energy sources using short-term genetic bioassays. Lewtas J. **Dev Toxicol Environ Sci** 1983;11:23-34

The problems of toxicological testing of complex mixtures. Witschi HR, et al. **Dev Toxicol Environ Sci** 1983;11:3-11

Statistical association between cancer incidence and major-cause mortality, and estimated residential exposure to air emissions from petroleum and chemical plants. Kaldor J, et al. **Environ Health Perspect** 1984 Mar;54:319-32

Air pollutants and the facilitation of cancer metastasis. Richters A, et al. **Environ Health Perspect** 1983 Oct;52:165-8

Contribution of wood combustion to indoor air pollution as measured by mutagenicity in Salmonella and polycyclic aromatic hydrocarbon concentration. Alfheim I, et al. **Environ Mutagen** 1984;6(2):121-30

Mutagenicity testing of high performance liquid chromatography fractions from wood stove emission samples using a modified Salmonella assay requiring smaller sample volumes. Alfheim I, et al. **Environ Mutagen** 1984;6(1):91-102

Toxicological and chemical characterization of the process stream materials and gas combustion products of an experimental low-btu coal gasifier. Benson JM, et al. **Environ Res** 1984 Apr;33(2):396-412

Pathology of acute inhalation exposure to 3-methylfuran in the rat and hamster. Haschek WM, et al. **Exp Mol Pathol** 1983 Dec;39(3):342-54

Ultrastructure and morphometry of the alveolar lung of guinea pigs chronically exposed to diesel engine exhaust: six month's experience. Barnhart MI, et al. **J Appl Toxicol** 1981 Apr;1(2):88-103

Effect of exposure to diesel exhaust on pulmonary prostaglandin dehydrogenase (PGDH) activity. Chaudhari A, et al. **J Appl Toxicol** 1981 Apr;1(2):132-4

Aryl hydrocarbon hydroxylase activity induced by injected diesel particulate extract vs inhalation of diluted diesel exhaust. Chen KC, et al. **J Appl Toxicol** 1981 Apr;1(2):127-31

Differential counts of B and T lymphocytes in the lymph nodes, circulating blood and spleen after inhalation of high concentrations of diesel exhaust. Dziedzic D. **J Appl Toxicol** 1981 Apr;1(2):111-5

Pulmonary function testing of animals chronically exposed to diluted diesel exhaust. Gross KB. **J Appl Toxicol** 1981 Apr;1(2):116-23

The effect of in vivo exposure to diesel exhaust on rat hepatic and pulmonary microsomal activities. Navarro C, et al. **J Appl Toxicol** 1981 Apr;1(2):124-6

Experimental conditions in GMR chronic inhalation studies of diesel exhaust. Schreck RM, et al. **J Appl Toxicol** 1981 Apr;1(2):67-76

Early pulmonary response of the rat lung to inhalation of high concentration of diesel particles. White HJ, et al. **J Appl Toxicol** 1981 Apr;1(2):104-10

Importance of the functional state of alveolar macrophages of the lungs for hygienic evaluation of protective reactions and cell damage due to atmospheric pollution. Tušl M, et al. **J Hyg Epidemiol Microbiol Immunol** 1983;27(3):259-63

Oxidant-induced enhanced sensitivity to infection in animal models and their extrapolations to man. Gardner DE. **J Toxicol Environ Health** 1984;13(2-3):423-39 (56 ref.)

Similarities of host defense mechanisms against pulmonary infectious diseases in animals and man. Green GM. **J Toxicol Environ Health** 1984;13(2-3):471-8 (19 ref.)

Influence of airborne particulate on the metabolism of benzo[a]pyrene in the isolated perfused lung. Warshawsky D, et al. **J Toxicol Environ Health** 1983 Apr-Jun;11(4-6):503-17

Effect of prenatal exposure to cadmium on avoidance acquisition in rats. Barański B. **Med Pr** 1983;34(5-6):381-3

Mutagenicity studies of ambient airborne particles. I. Comparison of solvent systems. Krishna G, et al. **Mutat Res** 1983 Nov;124(2):113-20

A simple in situ mutagenicity test system for detection of mutagenic air pollutants. Ong T, et al. **Mutat Res** 1984 Apr;139(4):177-81

Acute inhalation toxicity of 3-methylfuran in the mouse: pathology, cell kinetics, and respiratory rate effects. Haschek WM, et al. **Toxicol Appl Pharmacol** 1984 Jan;72(1):124-33

[Ecotoxins in the Cracow region and the mechanisms of their pathogenic action] Gumińska M. **Folia Med Cracov** 1982-83;24(3-4):157-68 (Eng. Abstr.) **(Pol)**

[Epidemiological evaluation of cancer risk in relation to environmental pollution] Jędrychowski W. **Folia Med Cracov** 1982-83;24(3-4):181-91 (Eng. Abstr.) **(Pol)**

[Anthropogenic pollution of the urban industrialization of Cracow and its environmental effects] Lewińska J. **Folia Med Cracov** 1982-83;24(3-4):147-56 (Eng. Abstr.) **(Pol)**

[Oxidative enzyme activity and morphological characteristics of human placentas from term pregnancies near an aluminum plant in Skawina] Zamorska L. **Folia Med Cracov** 1982-83;24(1-2):67-88 (Eng. Abstr.) **(Pol)**

[Incidence of ischemic heart disease in a highly industrialized region] Sroczyński J, et al. **Kardiol Pol** 1983;26(10):699-707 (Eng. Abstr.) **(Pol)**

[Toxicokinetics of benzene in humans. Excretion of phenol with urine and benzene with expired air after single and 4-day inhalation exposure] Paradowski M, et al. **Med Pr** 1984;35(2):85-96 (Eng. Abstr.) **(Pol)**

[Exposure of selected population groups to lead. III. Use of a rapid fluorometric screening method for determining zinc protoporphyrin (ZPP) after exposure to lead] Grabecki J, et al. **Rocz Panstw Zakl Hig** 1984;35(1):13-22 (Eng. Abstr.) **(Pol)**

[Morphological criteria and a system of indices for assessing the neurotoxic effect of chemical environmental factors (based on the carbon monoxide model)] Bonashevskaia TI, et al. **Gig Sanit** 1983 Oct;(10):31-3 (Eng. Abstr.) **(Rus)**

[Biological effect of ash from a power plant utilizing brown coal from the Central Siberian deposit] Gil'denskiol'd RS, et al. **Gig Sanit** 1984 Jan;(1):17-9 (Eng. Abstr.) **(Rus)**

[Raising the healthful dependability of tentative safe levels of exposure of metal-containing compounds in the atmosphere] Grin' NV, et al. **Gig Sanit** 1983 Dec;(12):8-11 (Eng. Abstr.) **(Rus)**

[Experimental data on establishing the maximum permissible concentration for lead in the atmosphere] Kamil'dzhanov AKh. **Gig Sanit** 1983 Jun;(6):79-81 **(Rus)**

[Method of calculating combined action coefficients for overall sanitary-toxicologic evaluation of air pollution in populated areas] Kiselev AV. **Gig Sanit** 1984 Mar;(3):59-60 **(Rus)**

[Experimental substantiation and prediction of time-related maximum permissible concentration of phosphine in the air] Pazynich VM, et al. **Gig Sanit** 1984 Jan;(1):13-5 (Eng. Abstr.) **(Rus)**

[Use of mathematical theory in the experiments for the evaluation of the combined effects of chemical substances] Sova RE. **Gig Sanit** 1984 Jan;(1):39-41 **(Rus)**

[Effect of oil-base aerosols on the toxicity of mixtures of volatile products of thermo-oxidative decomposition of various mineral lubricants] Kustov VV, et al. **Gig Tr Prof Zabol** 1984 Jun;(6):37-9 **(Rus)**

[Toxic properties of anisole aerosols] Uzhdavini ER, et al. **Gig Tr Prof Zabol** 1984 Jun;(6):43-4 **(Rus)**

[Methodological aspects of the study of the hygienic significance of chemical pollution in the urban residential environment] Gubernskiĭ IuD, et al. **Vestn Akad Med Nauk SSSR** 1984;(4):80-4 (Eng. Abstr.) **(Rus)**

AIR POLLUTANTS, OCCUPATIONAL

Contact lens wear in an environment contaminated with metal particles. Nilsson SG, et al. **Acta Ophthalmol (Copenh)** 1983 Oct;61(5):882-8

Exposure of embalmers to formaldehyde and other chemicals. Williams TM, et al. **Am Ind Hyg Assoc J** 1984 Mar;45(3):172-6

Effect of an air-venting filter device on aerosol production from vials. Hoy RH, et al. **Am J Hosp Pharm** 1984 Feb;41(2):324-6

Exposure limits: history, philosophy, future developments. Henschler D. **Ann Occup Hyg** 1984;28(1):79-92

Gas scavenging during bronchoscopy under general anesthesia. Ostfeld E, et al. **Ann Otol Rhinol Laryngol** 1984 Mar-Apr;93(2 Pt 1):146-9

Low human exposure to styrene in relation to chromosome breaks, gaps and sister chromatid exchanges. Hansteen IL, et al. **Hereditas** 1984;100(1):87-91

Proportion of lung cancers due to occupational exposure. Pastorino U, et al. **Int J Cancer** 1984 Feb 15;33(2):231-7

Economics and politics in the assessment of causes of building illness: the NAS/NRC Report on Indoor Pollutants. Sterling TD. **Int J Health Serv** 1984;14(1):43-53

Neurobehavioral testing of chemicals: impact on recommended standards. Anger WK. **Neurobehav Toxicol Teratol** 1984 Mar-Apr;6(2):147-53

Sampling of high concentrations of airborne fungi. Blomquist G, et al. **Scand J Work Environ Health** 1984 Apr;10(2):109-13

[Problems of industrial hygiene when diesel machines are used in the mining industry] Borisenkova RV, et al. **Gig Tr Prof Zabol** 1983 Nov;(11):28-32 (Eng. Abstr.) **(Rus)**

[Pollution of the industrial environment by lead and cadmium compounds during production of 'viniliskozhi' products] Fedorova LI. **Gig Tr Prof Zabol** 1983 Oct;(10):51-2 **(Rus)**

[Data for more precise determination of the maximum allowable concentration of beryllium in the air of the workplace] Litvinov NN, et al. **Gig Tr Prof Zabol** 1984 Jan;(1):34-7 (Eng. Abstr.) **(Rus)**

[Determination of the maximum allowable concentration of dichloralurea in the air of the workplace] Medved' IL, et al. **Gig Tr Prof Zabol** 1984 Jan;(1):51-2 **(Rus)**

ADVERSE EFFECTS

Our experience with granulomatous rhinitis. A new occupational disease. Avila R, et al. **Allergol Immunopathol (Madr)** 1984 May-Jun;12(3):167-72

Inhalation exposure of lead in brass foundry workers: the evaluation of the effectiveness of a powered air-purifying respirator and engineering controls. Que Hee SS, et al. **Am Ind Hyg Assoc J** 1983 Oct;44(10):746-51

Environmental hazards of interest to the forensic pathologist. Meyer CR. **Am J Forensic Med Pathol** 1983 Dec;4(4):315-8 (14 ref.)

Decreased lung function in long-term asbestos cement workers: a cross-sectional study. Ohlson CG, et al. **Am J Ind Med** 1984;5(5):359-66

Pneumoconiosis in workers exposed to silicon carbide. Funahashi A, et al. **Am Rev Respir Dis** 1984 Apr;129(4):635-40

Acute respiratory symptoms in patients with chronic obstructive pulmonary disease and in other subjects living near a coal-fired plant. Pershagen G, et al. **Arch Environ Health** 1984 Jan-Feb;39(1):27-33

Kaolin pneumoconiosis. A case report. Lapenas DJ, et al. **Arch Pathol Lab Med** 1983 Dec;107(12):650-3

Diesel exposure and mortality among railway workers: results of a pilot study. Schenker MB, et al. **Br J Ind Med** 1984 Aug;41(3):320-7

Alveolar macrophages from expectorate samples: a stress signal from occupational pollution. Nilsen AM, et al. **Bull Environ Contam Toxicol** 1984 May;32(5):517-24

Occupational airborne irritant contact dermatitis to slag. Lachapelle JM. **Contact Dermatitis** 1984 May;10(5):315-6

Chromosomal aberrations in lymphocytes of workers exposed to low levels of styrene. Nordenson I, et al. **Hum Hered** 1984;34(3):178-82

Evaluation of biological monitoring among stainless steel welders. Rahkonen E, et al. **Int Arch Occup Environ Health** 1983;52(3):243-55

Respiratory symptoms of flight attendants during high-altitude flight: possible relation to cabin ozone exposure. Tashkin DP, et al. **Int Arch Occup Environ Health** 1983;52(2):117-37

Immuno-biochemical findings in groups of individuals occupationally and non-occupationally exposed to emissions containing nickel and cobalt. Bencko V, et al. **J Hyg Epidemiol Microbiol Immunol** 1983;27(4):387-94

Effect of cigarette smoke on formaldehyde data [letter] **J Occup Med** 1984 Jun;26(6):410-2

Respiratory effects of two types of solder flux used in the electronics industry. Greaves IA, et al. **J Occup Med** 1984 Feb;26(2):81-5

Respiratory variables and exposure-effect relationships in isocyanate-exposed workers. Holness DL, et al. **J Occup Med** 1984 Jun;26(6):449-55

Chronic inhalation exposure to coal dust and/or diesel exhaust: effects on the alveolar macrophages of rats. **MMWR** 1984 Feb 24;33(7):101-2

Sulfur dioxide exposure in Portland cement plants. **MMWR** 1984 Apr 13;33(14):195-6

Occupational hazards in the dental office. Michaels D, et al. **NY State Dent J** 1984 May;50(5):294-6

Hidden chemical dangers may exist despite safety precautions. Cohen KS. **Occup Health Saf** 1984 Feb;:38-9

Lung cancer, stomach cancer, and smoking status among coal miners. A preliminary test of a hypothesis. Ames RG, et al. **Scand J Work Environ Health** 1983 Oct;9(5):443-8

Cancer incidence among employees in one mineral wool production plant in Denmark. Olsen JH, et al. **Scand J Work Environ Health** 1984 Feb;10(1):17-24

Psychological performance and long-term exposure to mercury vapors. Piikivi L, et al. **Scand J Work Environ Health** 1984 Feb;10(1):35–41

Occupational exposure to benzyl chloride and benzyl chloride due to contaminated butyl benzyl phthalate [letter] Rittfeldt L, et al. **Scand J Work Environ Health** 1983 Aug; 9(4):367–8

Pulmonary function and concentrations of alpha 1-antitrypsin and immunoglobulin E in workers exposed to pancreatic enzymes. Sjögren B, et al. **Scand J Work Environ Health** 1983 Oct;9(5):385–90

Nitrous oxide, a health hazard?? [letter] Gregg JB, et al. **SD J Med** 1983 Jul;36(7):20

Evaluation of exposure to airborne particles in the work environment. **WHO Offset Publ** 1984;(80):1–75

[Evaluation of the present maximum permissible exposure level of Dipterex in the air in a workshop] Lu YP. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1983 May; 17(3):144–8 (Eng. Abstr.) **(Chi)**

[Exposure to anesthetic gases: risk and prevention] Stoklov M, et al. **Sem Hop Paris** 1983 Sep 1;59(29–30):2081–7 (Eng. Abstr.) **(Fre)**

[Occupational exposure to harmful substances and its significance in the development of chronic obstructive lung diseases] Rebohle E. **Z Erkr Atmungsorgane** 1983; 161(3):266–72 (Eng. Abstr.) **(Ger)**

[Bronchial asthma due to occupational exposure to a dioctylphthalate. Description of a case] Brunetti G, et al. **Med Lav** 1984 Mar–Apr;75(2):120–4 (Eng. Abstr.) **(Ita)**

[Selective red blood cell aplasia after exposure to the insecticide Muchozol] Sokołowski K, et al. **Acta Haematol Pol** 1983 Apr–Jun;14(2):125–7 (Eng. Abstr.) **(Pol)**

[Effect of working conditions in a china-manufacturing plant on the eye] Iwaszkiewicz-Bilikiewicz B, et al. **Med Pr** 1984; 35(2):137–41 (Eng. Abstr.) **(Pol)**

[Occupational damage of the sense of smell] Szmeja Z, et al. **Med Pr** 1984;35(1):47–9 (Eng. Abstr.) **(Pol)**

[Morphological and functional changes in the bronchi caused by chemical substances used in the production of paints and lacquers as a pathogenic factor of occupational bronchial asthma. II. Nonspecific bronchial hyperreactivity in workers in a paint and lacquer plant] Liebhart J, et al. **Pneumonol Pol** 1983 Jul;51(7):393–9 (Eng. Abstr.) **(Pol)**

[Studies on the influence of the working environment on the respiratory tract of female workers engaged in the processing of synthetic fibers. II. Evaluation of the ventilatory capacity of the respiratory tract] Marek K, et al. **Pneumonol Pol** 1983 Jun;51(6):341–6 (Eng. Abstr.) **(Pol)**

[Evaluation of the state of the respiratory tract of power plant overhaul workers] Pierzchała W, et al. **Pneumonol Pol** 1983 Jun;51(6):347–52 (Eng. Abstr.) **(Pol)**

[Epidemiological studies on the influence of the working environment on the respiratory tract of female workers engaged in the processing of synthetic fibers. I. Analysis of respiratory tract symptoms] Zając-Nędza M, et al. **Pneumonol Pol** 1983 Jun;51(6):333–9 (Eng. Abstr.) **(Pol)**

[Allergic properties of hidden sources of penicillin] Rudzki E. **Pol Tyg Lek** 1983 Jun 13;38(24):743–5 **(Pol)**

[Particular aspects of bronchopulmonary cancer in non-smokers] Anastasatu C, et al. **Rev Ig [Pneumoftiziol]** 1983 Apr–Jun;32(2):111–6 (Eng. Abstr.) **(Rum)**

[Hygienic significance of submicroscopic fractions of asbestos dust in occupational and domestic environments] Kolev K. **Gig Sanit** 1983 Dec;(12):50–1 **(Rus)**

[Changes in blood transaminase activity in a chemically polluted environment] Setko NP, et al. **Gig Sanit** 1984 Jun; (6):83–4 **(Rus)**

[Occupational hygiene of construction workers at aluminum industrial plants] Babaev AV, et al. **Gig Tr Prof Zabol** 1983 Jul;(7):12–4 (Eng. Abstr.) **(Rus)**

[Occupational hygiene and health status of workers of an asbestos cement plant] Balashov VA, et al. **Gig Tr Prof Zabol** 1983 Sep;(9):8–12 (Eng. Abstr.) **(Rus)**

[Threshold of the sensitizing action of formaldehyde and the allergy hazard of its action in exceeding the MPEL in the air of a work area] Dueva LA. **Gig Tr Prof Zabol** 1983 Aug;(8):20–3 (Eng. Abstr.) **(Rus)**

[Dust-induced bronchitis in workers of machine-building industry] Kleĭner AI, et al. **Gig Tr Prof Zabol** 1984 Mar; (3):27–30 (Eng. Abstr.) **(Rus)**

[Use of the nitroblue tetrazolium test for detection of the effects of organic solvents containing benzol, toluol and xylol] Moshchin'ski P, et al. **Gig Tr Prof Zabol** 1983 Sep; (9):31–4 (Eng. Abstr.) **(Rus)**

[Experimental study on the combined effect of noise and toxic aerosols encountered in electric steel production] Paran'ko NM, et al. **Gig Tr Prof Zabol** 1984 Feb;(2):49–51 **(Rus)**

[Clinical and hygienic parallels in respiratory pathology in workers in a cement plant] Saakadze VP, et al. **Gig Tr Prof Zabol** 1984 Apr;(4):19–22 (Eng. Abstr.) **(Rus)**

[The basophil degranulation reaction as a method for detecting allergy and autoallergy to common chemical compounds] Vinogradov GI, et al. **Lab Delo** 1984; (6):339–41 (Eng. Abstr.) **(Rus)**

[Role of working conditions in the development of various pathological changes in female workers of glassed hothouses] Otvaga IS, et al. **Vrach Delo** 1983 Jun;(6):105–8 (Eng. Abstr.) **(Rus)**

ANALYSIS

The effect of local scavenging on occupational exposure to nitrous oxide. Carlsson P, et al. **Acta Anaesthesiol Scand** 1983 Dec;27(6):470–5

A method for personal sampling and analysis of nanogram amounts of formaldehyde in air. Bisgaard P, et al. **Am Ind Hyg Assoc J** 1984 Jun;45(6):425–9

Improved methodology for field validation of industrial hygiene monitoring methods. Borders RA, et al. **Am Ind Hyg Assoc J** 1984 May;45(5):299–305

Critical review of international standards for respiratory protective equipment – II. Gas and vapor removal efficiency and fit testing. Breysse PN, et al. **Am Ind Hyg Assoc J** 1983 Oct;44(10):762–7

A laboratory evaluation of wipe testing based on lead oxide surface contamination. Chavalitnitikul C, et al. **Am Ind Hyg Assoc J** 1984 May;45(5):311–7

Evaluation of the performance and response of the bacharach TLV sniffer and H-Nu photoionization gas analyzer to common hydrocarbon solvents. Chelton CF, et al. **Am Ind Hyg Assoc J** 1983 Oct;44(10):710–5

Bias in air sampling techniques used to measure inhalation exposure. Cohen BS, et al. **Am Ind Hyg Assoc J** 1984 Mar; 45(3):187–92

The effect of square wave exposure profiles upon the performance of passive organic vapor monitoring badges. Compton JR, et al. **Am Ind Hyg Assoc J** 1984 Jul; 45(7):446–50

A personal sampling method for the determination of nitrous oxide exposure. Cox PC, et al. **Am Ind Hyg Assoc J** 1984 May;45(5):345–50

Methods for sampling and determining chlorotrifluoroethylene (CTFE) in air. Dietz EA Jr, et al. **Am Ind Hyg Assoc J** 1984 Jun;45(6):382–5

Field validation study of NO2 personal passive samplers in a 'diesel' haulage underground mine. Douglas KE, et al. **Am Ind Hyg Assoc J** 1983 Oct;44(10):774–8

Asbestos found in New York talc [letter] Dunn JR. **Am Ind Hyg Assoc J** 1984 Apr;45(4):B8–9

Estimation of long term dust exposures in the Vermont granite sheds. Eisen EA, et al. **Am Ind Hyg Assoc J** 1984 Feb;45(2):89–94

Capture efficiency of local exhaust ventilation systems. Ellenbecker MJ, et al. **Am Ind Hyg Assoc J** 1983 Oct; 44(10):752–5

Further development of the high volume air sampler for high resistance filter media. Gussman RA, et al. **Am Ind Hyg Assoc J** 1983 Oct;44(10):704–9

Quantitative analysis of multiple PAH's in the coal conversion atmosphere. Harvath PV. **Am Ind Hyg Assoc J** 1983 Oct;44(10):739–45

Some difficulties in the assessment of electric arc welding fume. Hewitt PJ, et al. **Am Ind Hyg Assoc J** 1983 Oct; 44(10):727–32

Comparison of the retention and clearance of different welding fumes in rat lungs. Kalliomäki PL, et al. **Am Ind Hyg Assoc J** 1983 Oct;44(10):733–8

Phenol interference in the mercury-free pararosaniline method and the chromotropic acid method for formaldehyde. Knox SE, et al. **Am Ind Hyg Assoc J** 1984 May;45(5):325–8

Calibration and field application of a Sierra Model 235 cascade impactor. Knuth RH. **Am Ind Hyg Assoc J** 1984 Jun;45(6):393–8

Laboratory validation and field verification of a new passive colorimetric air monitoring badge for sampling hydrogen sulfide in air. Kring EV, et al. **Am Ind Hyg Assoc J** 1984 Jan;45(1):1–9

Sampling for formaldehyde in workplace and ambient air environments—additional laboratory validation and field verification of a passive air monitoring device compared with conventional sampling methods. Kring EV, et al. **Am Ind Hyg Assoc J** 1984 May;45(5):318–24

Laboratory and field comparison of three methods for monitoring sulfur dioxide in air. Kring EV, et al. **Am Ind Hyg Assoc J** 1983 Dec;44(12):929–36

Glycol ethers—validation procedures for tube/pump and dosimeter monitoring methods. Langhorst ML. **Am Ind Hyg Assoc J** 1984 Jun;45(6):416–24

Personal sampling impactor with respirable aerosol penetration characteristics. Marple VA, et al. **Am Ind Hyg Assoc J** 1983 Dec;44(12):916–22

Theory and practice in the development of a multisorbent passive dosimeter system. Moore G, et al. **Am Ind Hyg Assoc J** 1984 Mar;45(3):145–53

Determination of vanadium in workplace air by DCP emission spectrometry. Pyy L, et al. **Am Ind Hyg Assoc J** 1983 Aug;44(8):609–14

Isomeric composition of airborne TDI in the polyurethane foam industry. Rando RJ, et al. **Am Ind Hyg Assoc J** 1984 Mar;45(3):199–203

Airborne isocyanates in polyurethane spray painting: determination and respirator efficiency. Rosenberg C, et al. **Am Ind Hyg Assoc J** 1984 Feb;45(2):117–21

Critical review of international standards for respiratory protective equipment – I. Respiratory protective equipment for particulate-laden atmospheres. Ryan C, et al. **Am Ind Hyg Assoc J** 1983 Oct;44(10):756–61

A device for collecting replicate industrial hygiene samples in the workplace. Seim HJ, et al. **Am Ind Hyg Assoc J** 1983 Aug;44(8):562–6

Kidney dialysis: ambient formaldehyde levels. Smith KA Jr, et al. **Am Ind Hyg Assoc J** 1984 Jan;45(1):48–50

Formaldehyde concentrations in workrooms resulting from off-gassing from sandpaper. Turner LK, et al. **Am Ind Hyg Assoc J** 1984 Jul;45(7):499–500

Efficiency of passive sampling by adsorbents. Underhill DW. **Am Ind Hyg Assoc J** 1984 May;45(5):306–10

Critical review of international standards for respiratory protective equipment – III. Practical performance tests. White N, et al. **Am Ind Hyg Assoc J** 1983 Oct;44(10):768–73

Occupational styrene exposure: environmental and biological monitoring. Apostoli P, et al. **Am J Ind Med** 1983; 4(6):741–54

The scavenger device for nitrous oxide administration. Dula DJ, et al. **Ann Emerg Med** 1983 Dec;12(12):759–61

Dust levels in flax mills in Northern Ireland 1961–1981. Bodel CC, et al. **Ann Occup Hyg** 1983;27(4):359–66

The development of methods for the determination of hazardous substances in factory atmospheres: an historical perspective. Brown RH. **Ann Occup Hyg** 1984;28(2):183–8

Blood- and air-lead concentrations during five years of occupational exposure: the effectiveness of an occupational hygiene programme and problems due to welding operations. Døssing M, et al. **Ann Occup Hyg** 1983; 27(4):367–72

Relationships between simultaneous airborne dust samples taken with five types of instruments at South African asbestos mines and mills. Du Toit RS, et al. **Ann Occup Hyg** 1983;27(4):373–87

Sampling of gaseous pollutants on activated charcoal with 900 mg tubes. Guenier JP, et al. **Ann Occup Hyg** 1984; 28(1):61–75

Farmers' exposure to formic acid vapour in silage making. Liesivuori J, et al. **Ann Occup Hyg** 1983;27(3):327–9

The development of an inhalable dust spectrometer. Mark D, et al. **Ann Occup Hyg** 1984;28(1):125–43

The performance of passive diffusion monitors for organic vapours for personal sampling of painters. van der Wal JF, et al. **Ann Occup Hyg** 1984;28(1):39–47

Inhalable, total and respirable dust: a field study. Verma DK. **Ann Occup Hyg** 1984;28(2):163–72

Inhalable dust spectrometers as versatile samplers for studying dust-related health effects. Vincent JH, et al. **Ann Occup Hyg** 1984;28(1):117–24

Endotoxins in baled cottons and airborne dusts in textile mills in the People's Republic of China. Olenchock SA, et al. **Appl Environ Microbiol** 1983 Oct;46(4):817–20

Mercury vapour associated with amalgam capsule and waste storage. Burgess VB, et al. **Aust Dent J** 1983 Dec; 28(6):352–4

Detection of mercury vapour in the dental surgery. An assessment of disposable monitoring discs. Brown D. **Br Dent J** 1983 Oct 8;155(7):237–40

Calibration atmosphere generator for operating theatre pollution studies. A system for the controlled production of trace concentrations of inhalation anaesthetics. Gray WM, et al. **Br J Anaesth** 1984 May;56(5):543–50

Exposure to trace amounts of nitrous oxide. Evaluation of urinary gas content monitoring in anaesthetic practice. Sonander H, et al. **Br J Anaesth** 1983 Dec;55(12):1225–9

Respiratory exposures associated with silicon carbide production: estimation of cumulative exposures for an epidemiological study. Smith TJ, et al. **Br J Ind Med** 1984 Feb;41(1):100–8

Health hazard by exposure to toluene-diisocyanate in the shipyard. Hobara T, et al. **Bull Environ Contam Toxicol** 1984 Feb;32(2):134–9

Survey of selected organics in office air. Otson R, et al. **Bull Environ Contam Toxicol** 1983 Aug;31(2):222–9

Comparison between personal and stationary sampling results: a field survey in a printing factory. Takada S, et al. **Bull Environ Contam Toxicol** 1983 Oct;31(4):424–7

Analysis of airborne pesticides in a commercial pesticide storage building. Yehoah PO, et al. **Bull Environ Contam Toxicol** 1984 Jun;32(6):629–34

Survey of mercury vapour in dental offices in Atlantic Canada. Jones DW, et al. **Can Dent Assoc J** 1983 Jun; 49(6):378–95

Waste nitrous oxide exposure. Ross AS, et al. **Can Dent Assoc J** 1984 Jul;50(7):561–3

Survey for mercury vapour in Manitoba dental offices. Summer 1983. Skuba A, et al. **Can Dent Assoc J** 1984 Jul; 50(7):517–22

Multimethod determination of occupational exposure to polycyclic aromatic hydrocarbons in an aluminum plant. Becher G, et al. **Carcinogenesis** 1984 May;5(5):647–51

Anesthetic waste gases in veterinary medicine: analysis of the problem and suggested guidelines for reducing personnel exposures. Short CE, et al. **Cornell Vet** 1983 Oct; 73(4):363–74

Monitoring of occupational exposure to low concentration of carbon tetrachloride. Brugnone F, et al. **Dev Toxicol Environ Sci** 1983;11:575–8

Environmental and biological monitoring of occupational methylethyl ketone exposure. Brugnone F, et al. **Dev Toxicol Environ Sci** 1983;11:571–4

Distribution of extractable mutagenic activity in steel foundry air particulates of different sizes. McCalla DR, et al. **Environ Mutagen** 1983;5(6):881–9

Predicted deposition rates of uranium yellowcake aerosols

sampled in uranium mills. Eidson AF, et al. **Health Phys** 1984 Jan;46(1):165–76

Carbon blacks.
IARC Monogr Eval Carcinog Risk Chem Hum 1984 Apr; 33:35–85

Application of carbon felt dosimetry to field studies distant from analytical laboratory [letter] Ikeda M, et al. **Ind Health** 1984;22(1):53–7

Ethylene oxide environmental monitors. Samuels TM. **Infect Control** 1984 Jul;5(7):349–50

Home lead–work as a potential source of lead exposure for children. Kawai M, et al. **Int Arch Occup Environ Health** 1983;53(1):37–46

Limitations to the use of employee exposure data on air contaminants in epidemiologic studies. Ulfvarson U. **Int Arch Occup Environ Health** 1983;52(4):285–300

Carbon monoxide in air and breath of employees in an underground office. Wallace LA. **J Air Pollut Control Assoc** 1983 Jul;33(7):678–82

Evaluation of drug contamination levels in an admixture preparation area. Christenson I, et al. **J Clin Hosp Pharm** 1983 Sep;8(3):241–5

Air sampling in operating theatres [editorial] **J Hosp Infect** 1984 Mar;5(1):1–2

Leads from the MMWR. DDT exposure in a natural history museum—Colorado. **JAMA** 1983 Dec 16;250(23):3150

Problems with the performance of passive monitors for formaldehyde. **MMWR** 1983 Dec 2;32(47):615–6, 621

Industrial sources of metals. Yocom JE. **Neurotoxicology (Park Forest Il)** 1983 Fall;4(3):91–102

A loop gas sampler for the determination of organic solvent vapors in industrial environments. Niisawa K, et al. **Sangyo Igaku** 1983 Sep;25(5):440–1

Monitoring 1,6-hexamethylene diisocyanate in air by chemosorption sampling. Andersson K, et al. **Scand J Work Environ Health** 1983 Dec;9(6):497–503

Sampling and analysis of hexavalent chromium during exposure to chromic acid mist and welding fumes. Blomquist G, et al. **Scand J Work Environ Health** 1983 Dec;9(6):489–95

Analytical, occupational and toxicologic aspects of the degradation products of polypropylene plastics. Frostling H, et al. **Scand J Work Environ Health** 1984 Jun;10(3):163–9

Occurrence of fibrous sodium aluminumtetrafluoride particles in potrooms of the primary aluminum industry. Gylseth B, et al. **Scand J Work Environ Health** 1984 Jun; 10(3):189–95

A method for the determination of ethylenediamine in workroom air. Hansén L, et al. **Scand J Work Environ Health** 1984 Apr;10(2):95–8

Monitoring exposure to chromic acid in chromeplating by measuring chromium in urine. Lindberg E, et al. **Scand J Work Environ Health** 1983 Aug;9(4):333–40

Development and evaluation of field methods for ammonia in air. Rudling J, et al. **Scand J Work Environ Health** 1984 Jun;10(3):197–202

Carcinogens in the workroom air in the rubber industry. Spiegelhalder B. **Scand J Work Environ Health** 1983;9 Suppl 2:15–26 (26 ref.)

Survey of total and respirable suspended particulate matter in an iron foundry. Comparison of stationary sampling and personal monitoring. Zhang J, et al. **Sci Total Environ** 1983 Sep;30:167–80

Immobilized cholinesterase to detect airborne concentrations of hexamethylene diisocyanate (HDI). Brown WE, et al. **Toxicol Appl Pharmacol** 1984 Mar 30;73(1):105–9

[Silicosis. Current problems. Evaluation of dust in the occupational environment] Guillemin M. **Schweiz Med Wochenschr [Suppl]** 1983;15:27–35 (Eng. Abstr.) **(Fre)**

[Proposals for the surveillance of persons exposed to aromatic amines] Gilli G, et al. **G Ital Med Lav** 1983 Mar;5(2):75–80 (Eng. Abstr.) **(Ita)**

[Sampling technics: granulometric separators] Belosi F. **Med Lav** 1984 Jan–Feb;75(1):49–62 (Eng. Abstr.) **(Ita)**

[The kinetics of the week–end excretion of mandelic acid in female workers exposed to styrene] Gobbato F, et al. **Med Lav** 1983 May–Jun;74(3):173–81 (Eng. Abstr.) **(Ita)**

[Anesthetic gases: efficacy of various antipollution systems for operating rooms] Minisci S, et al. **Med Lav** 1984 Mar–Apr;75(2):139–43 (Eng. Abstr.) **(Ita)**

[Industrial dust: characterization and evaluation] Pozzoli L. **Med Lav** 1984 Jan–Feb;75(1):33–40 (Eng. Abstr.) **(Ita)**

[Environmental and biological determination of N–isopropyl–N'–phenyl–p–phenylendiamine (IPPD) in a rubber vulcanization shop] Scansetti G, et al. **Med Lav** 1983 Nov–Dec;74(6):464–74 (Eng. Abstr.) **(Ita)**

[Particle diffusion of hair spray and cosmetic powder at indoor space] Kumaki T, et al. **Nippon Eiseigaku Zasshi** 1983 Aug;50(4):615–21 **(Jpn)**

[Determination of organic solvent vapors by a gas monitoring badge. An experimental study on the response time] Kodama Y, et al. **Sangyo Igaku** 1983 May;25(3):181–5 (Eng. Abstr.) **(Jpn)**

[Bronchopulmonary diseases due to ultra–hard metal dust, with special reference to the result of the dust analysis] Kusaka Y, et al. **Sangyo Igaku** 1983 May;25(3):155–60 (Eng. Abstr.) **(Jpn)**

[A simple and rapid determination of organic solvent components in paint and adhesives] Sakai K, et al. **Sangyo Igaku** 1983 Nov;25(6):514–5 **(Jpn)**

[Simultaneous determination of multiple elements in airborne particulate samples by X–ray fluorescence spectrometry] Takada T, et al. **Sangyo Igaku** 1983 Jul;25(4):235–44 (Eng. Abstr.) **(Jpn)**

[Chromatographic method of determining NGZh–4 in the air] Aleksandrova LG. **Gig Sanit** 1983 Jun;(6):57–60 **(Rus)**

[Thin–layer chromatographic determination of air levels of pesticides used in the rotation of sugar beet crops] Belashova IG, et al. **Gig Sanit** 1983 Sep;(9):44–6 **(Rus)**

[Hygienic evaluation of ozone formation in air during the manufacture of electrical wire] Dmitirev MT, et al. **Gig Sanit** 1984 Mar;(3):81–2 **(Rus)**

[Gas chromatographic determination of mineral wax in the air] Dmitriev MT, et al. **Gig Sanit** 1984 May;(5):42–3 **(Rus)**

[Concentration and determination of microquantities of synthetic pyrethroids in air] Girenko DB, et al. **Gig Sanit** 1984 Mar;(3):57–9 **(Rus)**

[Determination of dimethylacrylic acid and its ethyl ester in the air of a work area] Smoliar NIa. **Gig Sanit** 1984 Jan;(1):51–2 **(Rus)**

[Quantitative relation between the concentration of lead in the air and in human body fluids] Arkhipova OG, et al. **Gig Tr Prof Zabol** 1984 Feb;(2):21–4 (Eng. Abstr.) **(Rus)**

[Collection of air samples containing pesticide vapors] Belashova IG, et al. **Gig Tr Prof Zabol** 1983 Nov;(11):54–6 **(Rus)**

[Effect of ventilation systems on the dust content of the air between the vent blades] Grebtsov EM, et al. **Gig Tr Prof Zabol** 1983 Sep;(9):43–4 **(Rus)**

[Determination of lead in the washings from the walls of industrial plants] Kruglov AI, et al. **Gig Tr Prof Zabol** 1984 Apr;(4):48–9 **(Rus)**

[Working conditions during the agricultural use of granulated forms of pesticides] Radzievskaia EA. **Gig Tr Prof Zabol** 1984 Feb;(2):28–30 (Eng. Abstr.) **(Rus)**

[Portable aspirator with its own power supply] Sekerin IuA, et al. **Gig Tr Prof Zabol** 1984 May;(5):56–7 **(Rus)**

[New method of rapid standardization of occupational air pollutants. Report 3: a variant of the method without experimental determination of KL50] Speranskil SV. **Gig Tr Prof Zabol** 1984 Mar;(3):57–8 **(Rus)**

[Determination of dicyandiamido in the air in the hygienic evaluation of polymeric materials and during their manufacture] Tsendrovskia VA, et al. **Gig Tr Prof Zabol** 1983 Dec;(12):56 **(Rus)**

[Current trends in improving the accuracy of indicator tubes] Vardev P, et al. **Probl Khig** 1983;8:102–8 (Eng. Abstr.) **(Rus)**

BLOOD

[Measurement of the coefficient of solubility of airborne substances in blood. II. Solvents of wide industrial use] Pezzagno G, et al. **G Ital Med Lav** 1983 Mar;5(2):49–63 (Eng. Abstr.) **(Ita)**

ISOLATION & PURIFICATION

Personal air samplers for measuring occupational exposures to biological hazards. Macher JM, et al. **Am Ind Hyg Assoc J** 1984 Feb;45(2):76–83

Void–counting in assessing membrane filter samples of asbestos fibre. Attfield MD, et al. **Ann Occup Hyg** 1983; 27(3):273–82

[Breakthrough time of active carbon tubes for sampling organic vapors] Matsumura Y. **Sangyo Igaku** 1983 Nov; 25(6):512–3 **(Jpn)**

[Evaluation of methods of collecting fine aerosols of metal condensation] Iarum–Agaeva NT, et al. **Gig Tr Prof Zabol** 1984 Mar;(3):58–60 **(Rus)**

METABOLISM

Follow–up study on the lung retention of welding fumes among shipyard welders. Kalliomäki PL, et al. **Ann Occup Hyg** 1983;27(4):449–52

POISONING

Connecticut right to know law. Uzych L. **Conn Med** 1984 May;48(5):315–6

Survival without sequelae following exposure to 500 mg/m3 of hydrogen cyanide. Bonsall JL. **Hum Toxicol** 1984 Feb; 3(1):57–60

Acute occupational exposure to sulfur dioxide—Missouri. **MMWR** 1983 Oct 21;32(41):541–2

Fatal ammonia inhalation. A case report with autopsy findings. Price SK, et al. **S Afr Med J** 1983 Dec 3; 64(24):952–5

Urinary excretion of proteins in chromeplaters, exchromeplaters and referents. Lindberg E, et al. **Scand J Work Environ Health** 1983 Dec;9(6):505–10

[Neurasthenia and polyneuropathy. The dangers of chronic toluene poisoning] Magnussen Z, et al. **Tidsskr Nor Laegeforen** 1983 Oct 30;103(30):2039–41 **(Nor)**

[Evolution of the capillaroscopic picture of capillaries of the nail bed in persons chronically exposed to vinyl chloride] Langauer–Lewowicka H, et al. **Pol Tyg Lek** 1984 Mar 19; 39(12):389–92 (Eng. Abstr.) **(Pol)**

[Anemia as the consequence of exposure to harmful occupational chemical agents] Lewczuk E, et al. **Pol Tyg Lek** 1984 Mar 19;39(12):411–4 (34 ref.) **(Pol)**

[Determination of the maximum allowable concentration of alpha, alpha, alpha–trifluoro–4–chlorotoluene in the air of the work zone] Khalepo AI, et al. **Gig Tr Prof Zabol** 1984 May;(5):49–51 **(Rus)**

[Methylal: its metabolism and hygienic standardization in the air of work areas] Tomilina LA, et al. **Gig Tr Prof Zabol** 1984 Jun;(6):27–9 (Eng. Abstr.) **(Rus)**

[Decrease in corneal sensitivity induced by styrene and tetrachloroethylene vapors] Alieva ZA, et al. **Vestn Oftalmol** 1984 Mar–Apr;(2):37–40 (Eng. Abstr.) **(Rus)**

TOXICITY

Sensory irritation and pulmonary irritation by airborne allyl acetate, allyl alcohol, and allyl ether compared to acrolein. Nielsen GD, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Apr;54(4):292–8

A cytogenetic study on workers exposed to low concentrations of benzene. Sarto F, et al. **Carcinogenesis** 1984 Jun;5(6):827–32

Anaphylactic reactions to industrial toxins. Davies R, et al. **Dev Toxicol Environ Sci** 1983;11:219–28

Effects of work environment contaminated with benzene, toluene and xylene on acid phosphatase activity in lymphocytes. Moszczyński P, et al. **Folia Haematol (Leipz)** 1983;110(6):948–54

Application of the sex–linked recessive lethal test in Drosophila melanogaster for monitoring the work environment of a rubber factory. Donner M, et al. **Hereditas** 1983;99(1):7–10

Effect of occupational mercury exposure on plasma lysosomal hydrolases. Aitio A, et al. **Int Arch Occup Environ Health** 1983;53(2):139–47

Sensitive flame–photometric–detector analysis of thiodiglycolic acid in urine as a biological monitor of vinyl chloride. Chen ZY, et al. **Int Arch Occup Environ Health** 1983;52(3):281–4

Hippuric acid and o–cresol in the urine of workers exposed to toluene. Hasegawa K, et al. **Int Arch Occup Environ Health** 1983;52(3):197–208

Sister chromatid exchange frequency in workers exposed to high levels of ethylene oxide, in a hospital sterilization service. Laurent C, et al. **Int Arch Occup Environ Health** 1984;54(1):33–43

Development of an in situ microbial mutagenicity test system for airborne workplace mutagens: laboratory evaluation. Whong WZ, et al. **Mutat Res** 1984 Feb;130(1):45–51

Acid rain: UK in minority of one [news] Beardsley T. **Nature** 1984 Jun 28–Jul 4;309(5971):740–1

Mutagenicity of rubber additives and curing fumes. Results from five short–term bioassays. Donner M, et al. **Scand J Work Environ Health** 1983;9 Suppl 2:27–37

Inhalation toxicity study of welding fumes: effect of single or repeated exposure on the lungs of rats. Uemitsu N, et al. **Toxicology** 1984 Feb 14;30(1):75–92

[Effect of carbon disulfide on human embryo and fetal development] Bao YS. **Chung Hua I Hsueh Tsa Chih** 1984 Apr;64(4):217–21 (Eng. Abstr.) **(Chi)**

[Biologic effects of pollutants found in welding fumes. Effects of a mixture of O3, NO2, and Co with MnO2 particles on the mouse lung] Sylvestre D, et al. **Union Med Can** 1984 Jan;113(1):9–10, 12–5 (Eng. Abstr.) **(Fre)**

[Changes in the blood coagulation and fibrinolysis systems in workers in disinfection and pest control establishments] Antoszczyk–Borodin M, et al. **Med Pr** 1983;34(4):313–20 (Eng. Abstr.) **(Pol)**

[Degree of exposure to arsenic compounds of workers in zinc smelteries] Braszczyńska Z, et al. **Med Pr** 1983; 34(5–6):413–7 (Eng. Abstr.) **(Pol)**

[Evaluation of the liver function in workers of the vinyl resin plant] Kalemba K. **Med Pr** 1983;34(3):211–7 (Eng. Abstr.) **(Pol)**

[Correlation of psychological and neurological changes with indicators of exposure of workers in a shoe factory to glue solvents] Langauer–Lewowicka H, et al. **Med Pr** 1983; 34(5–6):397–404 (Eng. Abstr.) **(Pol)**

[Psychomotor performance of persons chronically exposed to carbon disulfide. I] Makowska Z. **Med Pr** 1983; 34(4):327–33 (Eng. Abstr.) **(Pol)**

[Immunoelectrophoretic evaluation of blood proteins in persons chronically exposed to manganese] Misiewicz A. **Med Pr** 1984;35(1):21–7 (Eng. Abstr.) **(Pol)**

[Effect of air containing benzine, wolfram, titanium, cobalt and vanadium on peripheral blood] Misiewicz A. **Med Pr** 1983;34(3):251–7 (Eng. Abstr.) **(Pol)**

[Effect of low concentrations of metals and benzin on serum enzyme activity] Misiewicz A. **Med Pr** 1983;34(4):321–6 (Eng. Abstr.) **(Pol)**

[Effect of furfural on the respiratory system] Pawłowicz A, et al. **Med Pr** 1984;35(1):39–45 (Eng. Abstr.) **(Pol)**

[Peripheral blood picture in workers chronically exposed to carbon disulfide] Prażanowski M, et al. **Med Pr** 1983; 34(3):259–62 (Eng. Abstr.) **(Pol)**

[Health status of workers in polyvinyl chloride processing plants. I. Evaluation of occupational exposure. Subjective and capillaroscopy studies. Conduction velocity in the motor nerves] Przybyłowski J, et al. **Med Pr** 1983; 34(5–6):385–96 (Eng. Abstr.) **(Pol)**

[Health status of workers of polyvinyl chloride processing

plants. II. Results of various biochemical studies] Przybyłowski J, et al. **Med Pr** 1984;35(1):13–20 (Eng. Abstr.) (Pol)

[Health status of the workers of a polyvinyl chloride (PVC) processing plant. III. State of the respiratory tract, immunoglobulins and NBT test] Przybyłowski J, et al. **Med Pr** 1984;35(2):97–104 (Eng. Abstr.) (Pol)

[Effect of organic solvents on the central nervous system] Langauer-Lewowicka H, et al. **Neurol Neurochir Pol** 1983 Jul–Aug;17(4):465–70 (Eng. Abstr.) (Pol)

[Work capacity of workers of the cadmium department of the non-ferrous metal smelting plant] Pierzchała W, et al. **Pneumonol Pol** 1983 May;51(5):291–7 (Eng. Abstr.) (Pol)

[Alpha 1-antitrypsin and immunoglobulin A, G and M levels in workers occupationally exposed to ceramic dust] Cianciara M, et al. **Pol Tyg Lek** 1984 Jan 23;39(4):107–9 (Eng. Abstr.) (Pol)

[Beta 2 microglobulin in the urine of workers exposed to vapors of non-ferrous metals] Krajewska B, et al. **Pol Tyg Lek** 1983 Jul 25;38(30):925–8 (Eng. Abstr.) (Pol)

[Value of basic hematological tests and indicators of liver and kidney functions for evaluation of the effects of exposure to glues used in the shoe industry] Wocka-Marek T, et al. **Pol Tyg Lek** 1984 Mar 19;39(12):395–8 (Pol)

[Ventilatory capacity and occurrence of obstructive lung diseases among workers in the chemical industry] Jędrychowski W, et al. **Przegl Epidemiol** 1983;37(2):259–68 (Eng. Abstr.) (Pol)

[Immune complexes in the serum of persons occupationally exposed to vinyl chloride] Bogdanikowa B, et al. **Przegl Lek** 1984;41(3):253–7 (Eng. Abstr.) (Pol)

[N-acetyl-beta-D-glucosaminidase in the lymphocytes of workers exposed to benzene and its homologs] Moszczyński P, et al. **Przegl Lek** 1984;41(3):273–6 (Eng. Abstr.) (Pol)

[Exposure of selected population groups to lead. III. Use of a rapid fluorometric screening method for determining zinc protoporphyrin (ZPP) after exposure to lead] Grabecki J, et al. **Rocz Panstw Zakl Hig** 1984;35(1):13–22 (Eng. Abstr.) (Pol)

[Occupational exposure to heavy metals in foundry workers] Brzeski Z, et al. **Wiad Lek** 1983 Dec 15;36(24):2025–31 (Eng. Abstr.) (Pol)

[Results of respiratory function tests and blood gas analysis in exposure to various metals] Misiewicz A. **Wiad Lek** 1983 Jul 15;36(14):1155–9 (Eng. Abstr.) (Pol)

[Effect of contamination of the working environment with organic solvents containing benzene and its homologs in the leukocyte system and blood platelets] Moszczyński P. **Wiad Lek** 1983 May 15;36(10):837–42 (Eng. Abstr.) (Pol)

[Experimental substantiation of the maximum permissible concentration of barium ferrite in the atmosphere] Ermachenko TP, et al. **Gig Sanit** 1983 Jul;(7):68–9 (Rus)

[Establishment of the maximum permissible concentration of nickel-zinc ferrite in the atmosphere] Ermachenko TP, et al. **Gig Sanit** 1983 Nov;(11):12–4 (Eng. Abstr.) (Rus)

[Toxicity of compound products of thermo-oxidizing decomposition with regard to conditions of combustion] Kustov VV, et al. **Gig Sanit** 1983 Sep;(9):79–81 (Rus)

[Establishment of the maximum permissible concentration of magnesium chlorate in the atmosphere] Mirzaev ShM. **Gig Sanit** 1983 Jul;(7):69–71 (Rus)

[Gonadotoxic action of methyl-N-(2-benzimidazolyl)carbamate with a probability assessment of its effective concentrations] Pastushenko TV. **Gig Sanit** 1983 Jul;(7):83–5 (Rus)

[Antimony as a component of occupational air pollutants in an industrial town] Popov IuP, et al. **Gig Sanit** 1983 Dec;(12):60–2 (Rus)

[Health assessment of continuous and intermittent exposure to vanadium pentoxide] Sokolov SM. **Gig Sanit** 1983 Sep;(9):77–9 (Rus)

[Hygienic standard for feed methionine in the atmosphere] Tkachev PG, et al. **Gig Sanit** 1983 Jun;(6):20–2 (Eng. Abstr.) (Rus)

[Need to calculate the correlations between the oral and inhalational toxicity of substances in establishing hygienic standards] Voĭtenko GA, et al. **Gig Sanit** 1984 Jun;(6):13–6 (Eng. Abstr.) (Rus)

[Hygienic evaluation of wolfram as an atmospheric pollutant] Voronov VP. **Gig Sanit** 1983 Jul;(7):71–2 (Rus)

[Molecular mechanisms of the action of furan polymers] Zavgorodniaia SV, et al. **Gig Sanit** 1983 Sep;(9):29–32 (Eng. Abstr.) (Rus)

[Hygienic evaluation of working conditions in a fluorophlogopite casting plant] Felgin BG. **Gig Tr Prof Zabol** 1984 Apr;(4):9–11 (Eng. Abstr.) (Rus)

[Hygienic characteristics and the measures for improving working conditions of female workers engaged in the production of technical rubber articles] Gorobets EK. **Gig Tr Prof Zabol** 1984 Apr;(4):11–5 (Eng. Abstr.) (Rus)

[Changes in the blood under the effect of low concentrations of trinitrotoluene (clinico-experimental study)] Gribova IA, et al. **Gig Tr Prof Zabol** 1983 Sep;(9):24–8 (Eng. Abstr.) (Rus)

[Hygienic evaluation of contamination with toxic substances of the respiration zone of gas-cylinder taxicab drivers] Ivanov IV, et al. **Gig Tr Prof Zabol** 1983 Sep;(9):44–5 (Rus)

[Determination of maximum permissible exposure level of 2,4-dichlorophenoxypropionic acid in the air of a working zone] Kagan NA, et al. **Gig Tr Prof Zabol** 1983 Sep;(9):50–1 (Rus)

[Determination of maximum permissible exposure level for the herbicide vernam in the air of a working zone] Karpenko VN, et al. **Gig Tr Prof Zabol** 1983 Sep;(9):49–50 (Rus)

[Determination of the MPEL for alpha, alpha, alpha-trichloro-4-chlorotoluene in the air of work areas] Khalepo AI, et al. **Gig Tr Prof Zabol** 1984 Jun;(6):41–3 (Rus)

[Hygienic characteristics of working conditions during the production and use of BMEA anticorrosive paper] Korolenko TK. **Gig Tr Prof Zabol** 1984 Apr;(4):29–33 (Eng. Abstr.) (Rus)

[Working conditions in the production of complex coating plates with the use of new bitumen-polymer materials] Kosolapova AV, et al. **Gig Tr Prof Zabol** 1983 Jul;(7):47–8 (Rus)

[Toxicological aspects of silicone compounds] Kushneva VS. **Gig Tr Prof Zabol** 1983 Nov;(11):50–2 (Rus)

[Hygienic characteristics of working conditions at petroleum-processing plants in the western regions of the USSR] Loginov AN. **Gig Tr Prof Zabol** 1984 Jun;(6):32–4 (Rus)

[Working conditions in the complex processing of copper sulfide ores] Petrov BA, et al. **Gig Tr Prof Zabol** 1983 Jul;(7):25–7 (Eng. Abstr.) (Rus)

[Effect of indium and its compounds on the body (review of the literature)] Pokhodzeĭ IuI. **Gig Tr Prof Zabol** 1984 Apr;(4):43–5 (22 ref.) (Rus)

[Hygienic characteristics of propanide manufacture] Russkikh VA, et al. **Gig Tr Prof Zabol** 1984 Mar;(3):13–6 (Eng. Abstr.) (Rus)

[Evaluation of local and skin-resorptive effects of dinitronaphthalene] Sakharova LN, et al. **Gig Tr Prof Zabol** 1984 Jun;(6):23–6 (Eng. Abstr.) (Rus)

[Regulation of the level of toxic substances in the air of the work zone when combined with general vibration and accompanying noise] Shterengard RIa. **Gig Tr Prof Zabol** 1984 May;(5):40–2 (Rus)

[Experimental determination of the MPEL for sodium perborate in the air of work areas] Silaev AA. **Gig Tr Prof Zabol** 1984 Jun;(6):44 (Rus)

[Data on the experimental toxicology of silver and the establishment of the maximum allowable concentration for its compounds in the air of a work area] Smirnov VG. **Gig Tr Prof Zabol** 1983 Dec;(12):33–7 (Eng. Abstr.) (Rus)

[Minor toxicometry, a new method of rapid standardization of substances in the air of work areas] Speranskiĭ SV. **Gig Tr Prof Zabol** 1983 Jul;(7):50–1 (Rus)

[Experimental determination of the maximum allowable concentration of the acaricide plictran in the air of the work zone] Tatevosian AE, et al. **Gig Tr Prof Zabol** 1984 May;(5):52–3 (Rus)

[Hygienic control of the penetration of chemical substances through the skin in industry] Gostinskiĭ VD. **Vrach Delo** 1983 Jul;(7):92–4 (Rus)

AIR POLLUTANTS, RADIOACTIVE see under **AIR POLLUTANTS**

AIR POLLUTION

Environmental aerobiological studies in allergic bronchopulmonary aspergillosis. Beaumont F, et al. **Allergy** 1984 Apr;39(3):183–93

Airborne pollen sampling in Manoa Valley, Hawaii: effect of rain, humidity and wind. Massey DG, et al. **Ann Allergy** 1984 May;52(5):333–7

Relation between positive small air ions, weather fronts and pulmonary function in patients with bronchial asthma. Wagner CJ, et al. **Ann Allergy** 1983 Oct;51(4):430–5

Resolution concerning federal legislation and research on indoor air pollution. The Committee on Public Health, the New York Academy of Medicine. **Bull NY Acad Med** 1984 Jan–Feb;60(1):106–9

Airborne endotoxins and humidifier disease. Rylander R, et al. **Clin Allergy** 1984 Jan;14(1):109–12

Symposium on the health issues in air quality control. June 15–16, 1981 Eugene, Oregon. **Environ Health Perspect** 1983 Oct;52:149–266

Preface. Sherwin RP. **Environ Health Perspect** 1983 Oct; 52:151

Keratinophilic fungi isolated from the air at Pavia. Della Franca P, et al. **Mycopathologia** 1984 Mar 15;85(1–2):65–8

Indoor air pollution [letter] **Science** 1984 Jan 6;223(4631):6–8

Dynamics of respiratory symptoms and lung function in epidemiological long-term study in children. Herman SM, et al. **Z Erkr Atmungsorgane** 1983;161(2):192–8

[A new method for monitoring air pollution: elaboration of a level of pollution as a function of foliar peroxydase activity in the radish (Raphanus sativus L. var. Sparkler)] Petit JL. **Arch Belg** 1983;41(11–12):515–27 (Eng. Abstr.) (Fre)

[Correlation of the pollen content of the air with the geography and vegetation in a mountain range and its allergologic importance] Bortenschlager S, et al. **Wien Med Wochenschr [Suppl]** 1983;77:1–11 (Eng. Abstr.) (Ger)

[Effect of environmental factors on pulmonary function. Screening study of flow-volume in children from urban and rural areas] Schindl R. **Z Erkr Atmungsorgane** 1983; 161(2):199–203 (Eng. Abstr.) (Ger)

[Malignant diseases of the respiratory organs caused by asbestos exposure in municipal environment] Sturm W. **Z Erkr Atmungsorgane** 1983;161(3):240–7 (Eng. Abstr.) (Ger)

[Significance of inhaled environmental allergens] Zochert J. **Z Erkr Atmungsorgane** 1983;161(2):153–8 (Eng. Abstr.) (Ger)

[Atmospheric pollen survey in Sakado City, Saitama Prefecture, with special reference to chestnut pollen dispersal] Sugaya A, et al. **Arerugi** 1983 Jun;32(6):333–42 (Eng. Abstr.) (Jpn)

[Indoor air environment in a college dining hall in winter and summer] Yokota M, et al. **Hokkaido Igaku Zasshi** 1983 May;58(3):310–2 (Jpn)

[Contributions to the method of chlorcyane determination] Cotrău M, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Apr–Jun;87(2):295–7 (Eng. Abstr.) (Rum)

[Epidemiology of chronic bronchopulmonary diseases. V. Favoring factors. Prevention] Ivan A, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Apr–Jun;87(2):189–92 (Rum)

[Developing forecasts of air quality] Malin LI. **Gig Sanit** 1983 Sep;(9):60 (Rus)

[Evaluation of aerosol air pollution in the operating room] Toskin KD, et al. **Klin Khir** 1984 Jan;(1):42–4 (Eng. Abstr.) (Rus)

[Relation between population morbidity and atmospheric pollution in several industrial regions of the country] Basmadzhieva K, et al. **Probl Khig** 1983;8:109–15 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

Emergency room admissions, meteorologic variables, and air pollutants: a path analysis. Goldsmith JR, et al. **Am J Epidemiol** 1983 Nov;118(5):759–78

Athletic performance and urban air pollution. Shephard RJ. **Can Med Assoc J** 1984 Jul 15;131(2):105–9

Scientific components in standard setting. Bates DV. **Environ Health Perspect** 1983 Oct;52:183–5

The Six-City Study: examples of problems in analysis of the data. Ferris BG Jr, et al. **Environ Health Perspect** 1983 Oct;52:115–23

Ecologic regression analysis and the study of the influence of air quality on mortality. Selvin S, et al. **Environ Health Perspect** 1984 Mar;54:333–40

What is an adverse health effect? Sherwin RP. **Environ Health Perspect** 1983 Oct;52:177–82

Analysis of relationships between symptoms and environmental factors over time. Robertson G, et al. **Environ Res** 1984 Feb;33(1):130–43

Epidemiological monitoring near a coal-fired power plant in Israel. Donagi AE, et al. **J Air Pollut Control Assoc** 1983 Oct;33(10):986–8

Olympic athletes may face extra challenge—pollution [news] Marwick C. **JAMA** 1984 May 18;251(19):2495–7

Air pollutants might aggravate athletes' asthma, allergies [news] Prescott LM. **JAMA** 1984 May 18;251(19):2496

Interaction of smoking and urban air pollution in the etiology of lung cancer. Jędrychowski W. **Neoplasma** 1983; 30(5):603–9

Tight building syndrome: when work makes you sick. Hicks JB. **Occup Health Saf** 1984 Jan;:51–6

Theory of air pollution damage on human populations. Tsukatani T, et al. **Sci Total Environ** 1984 Mar 1; 34(1–2):1–18

Long-term effects on health of air pollution in children. Rudnik J, et al. **Z Erkr Atmungsorgane** 1983;161(2):177–91

[Relationship between air pollution and prevalence of upper respiratory tract disorders and immunity among children] **Chung Hua Yu Fang I Hsueh Tsa Chih** 1983 May; 17(3):154–6 (Eng. Abstr.) (Chi)

[Mortality caused by cancer in a residential community near a factory for the polymerization of vinyl chloride] Thériault G, et al. **Geogr Med** 1983;13:35–46 (Fre)

[Malformations in a residential community near a vinyl chloride factory] Thériault GP, et al. **Geogr Med** 1983; 13:25–34 (Fre)

[Epidemiology and basic pathogenetic mechanisms of environmental and iatrogenic diseases] Neumayr A. **Aktuel Gerontol** 1983 Sep;13(5):167–72 (Eng. Abstr.) (Ger)

[Lung diseases in the elderly. Pathogenetic significance of pollutants and environmental factors] Heitz M, et al. **Fortschr Med** 1984 May 3;102(17):477–82 (Eng. Abstr.) (Ger)

[The effect of air pollution on man] Vogel F. **Fortschr Med** 1984 Apr 5;102(13):365–8 (Eng. Abstr.) (Ger)

[Lung damage caused by environmental pollution?] Smidt U. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:629–33 (Eng. Abstr.) (Ger)

[Changes in mucus caused by air pollution] Wilde W, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:720–2 (Eng. Abstr.) (Ger)

[The lung and the environment] Dalquen P. **Praxis** 1983 Aug

9;72(32):1049–56 (Eng. Abstr.) (Ger)
[Role of general air pollution in the etiology of lung cancer] Berndt H. **Z Erkr Atmungsorgane** 1983;161(3):228–31 (Eng. Abstr.) (Ger)
[Importance of communal environmental factors in the development of chronic lung diseases] Herrmann H. **Z Erkr Atmungsorgane** 1983;161(2):163–76 (Eng. Abstr.) (Ger)
[Importance of atmospheric air pollution in the development of diseases] Horn K. **Z Erkr Atmungsorgane** 1983; 161(2):123–9 (0 ref.) (Eng. Abstr.) (Ger)
[Significance of chemical carcinogens in the atmosphere for carcinogenesis] Teichmann B. **Z Erkr Atmungsorgane** 1983; 161(3):223–7 (Eng. Abstr.) (Ger)
[Air pollution and prevalence of nonspecific respiratory diseases in childhood] Thiemann HH. **Z Erkr Atmungsorgane** 1983;161(2):209–17 (Eng. Abstr.) (Ger)
[Human exposure to air pollutants] Dörre W, et al. **Z Gesamte Hyg** 1983 Sep;29(9):524–7 (Eng. Abstr.) (Ger)
[Studies on bronchial asthma and air pollution—clinical features of Kawasaki-asthma] Kawai T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1984 Mar; 22(3):175–83 (Eng. Abstr.) (Jpn)
[Effect of atmospheric air pollution on territorial differences in nonspecific respiratory tract disease mortality in Poland] Jedrychowski W, et al. **Pneumonol Pol** 1984 Jan;52(1):1–9 (Eng. Abstr.) (Pol)
[Cytological analysis of the nasal and throat mucosal smears of children living in areas of various degrees of atmospheric pollution] Bulochnikova EK, et al. **Gig Sanit** 1983 Nov; (11):87–8 (Rus)
[Effect of environmental conditions on the presentation of spontaneous intracranial hemorrhage. (II) Pollution] López-Pousa S, et al. **Med Clin (Barc)** 1983 Jul 16; 81(5):154–5 (Eng. Abstr.) (Spa)
[Atmospheric pollution and bronchial asthma] Picado C. **Med Clin (Barc)** 1984 Apr 28;82(16):713–5 (Spa)
[Respiratory morbidity and atmospheric pollution] Villalbí JR, et al. **Med Clin (Barc)** 1984 Apr 28;82(16):695–7 (Eng. Abstr.) (Spa)

ANALYSIS

Compounds in urban air compete with 2,3,7,8-tetrachlorodibenzo-p-dioxin for binding to the receptor protein. Toftgård R, et al. **Chem Biol Interact** 1983 Sep 15;46(3):335–46
A study on airborne allergenic pollen content of the atmosphere of Naples. D'Amato G, et al. **Clin Allergy** 1983 Nov;13(6):537–44
Estimating human exposure to nitrogen dioxide: an indoor/outdoor modeling approach. Sexton K, et al. **Environ Res** 1983 Oct;32(1):151–66
The relationship of airborne trimellitic anhydride concentrations to trimellitic anhydride—induced symptoms and immune responses. Bernstein DI, et al. **J Allergy Clin Immunol** 1983 Dec;72(6):709–13
Passive smoking and uptake of carbon monoxide in flight attendants [letter] Duncan DB, et al. **JAMA** 1984 May 25; 251(20):2658–9
Trace element analysis of airborne particulate matters in relation to air pollution in Benin City, Nigeria. Ndiokwere CL. **Radioisotopes** 1983 Oct;32(10):491–3
Analysis of air pollution patterns in New York City distribution of air pollutants over the city. Goldstein IF, et al. **Rev Environ Health** 1982;4(1):17–30
Distribution of seasonal mean levels of air pollutants over New York City. Goldstein IF, et al. **Rev Environ Health** 1982;4(1):5–16
[Atmospheric and respiratory contamination by waste water aerosols] Boutin P, et al. **Rev Mal Respir** 1984;1(2):125–31 (Eng. Abstr.) (Fre)
[Effect of the decrease of pressure on the volume measurement with dry gas counters during air sampling] Kaulbach S, et al. **Z Gesamte Hyg** 1983 Sep;29(9):536–7 (Eng. Abstr.) (Ger)
[Relation between the immission indices according to the 1st version and the current version of the 1st regulation of the 5th decree of state cultural legislation] Lässig V. **Z Gesamte Hyg** 1983 Sep;29(9):528–32 (Eng. Abstr.) (Ger)
[Analysis and evaluation of carcinogenic polycyclic aromatic hydrocarbons from the air hygiene and toxicology viewpoint] Pott F, et al. **Z Gesamte Hyg** 1983 Sep; 29(9):505–7 (Eng. Abstr.) (Ger)
[The 3,4-benzpyrene content of atmospheric air in a city without specific industrial emissions] Radulescu-D N, et al. **Z Gesamte Hyg** 1984 Apr;30(4):218 (Eng. Abstr.) (Ger)
[Mutagenicity of 3 organic fractions of atmospheric dust and gas chromatographic analysis of the basic fraction] Gottlieb A, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Jan; 177(1-2):75–89 (Eng. Abstr.) (Ger)
[A simple testing installation for the production of aerosols with constant bacteria-contaminated concentrations] Herbst M, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Apr;177(3-4):257–68 (Eng. Abstr.) (Ger)
[Production and characteristics of bacteria-labeled talc dust for experimental air hygiene studies] Ohgke H, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Apr; 177(3-4):251–6 (Eng. Abstr.) (Ger)
[Further microbiological studies of the air in a newly built (under the pavement) section of the underground railway in Budapest] Szám L, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Apr; 177(3-4):312–8 (Eng. Abstr.) (Ger)
[Elaboration and evaluation of the results of monitoring suspended particles in the area of Rome] Bertolaccini MA. **Ann Ist Super Sanita** 1982;18(4):863–8 (Eng. Abstr.) (Ita)
[Setup for automatic average 24-hour air sampling] Avraman FV, et al. **Gig Sanit** 1984 Mar;(3):79–80 (Rus)
[Experience in using automobile transport for air sampling] Boev SE, et al. **Gig Sanit** 1983 Sep;(9):61 (Rus)
[Model of maximum permissible parameters for the theoretical distribution of atmospheric pollution levels] Iusupov TM, et al. **Gig Sanit** 1984 Feb;(2):61–2 (Rus)
[Complex criterion of atmospheric pollution] Stoliar AM. **Gig Sanit** 1983 Aug;(8):53–4 (2 ref.) (Rus)
[Comparative characteristics of different methodologic approaches to evaluating air pollution in an industrial city] Umanskii VIa, et al. **Gig Sanit** 1984 Apr;(4):37–9 (Rus)
[Synthesis of a comprehensive index of atmospheric air pollution] Zhavoronkov IuM, et al. **Gig Sanit** 1983 Jun; (6):7–9 (Eng. Abstr.) (Rus)

PREVENTION & CONTROL

Pollution of delivery ward air by nitrous oxide. Effects of various modes of room ventilation, excess and close scavenging. Bernow J, et al. **Acta Anaesthesiol Scand** 1984 Feb;28(1):119–23
The effect of local scavenging on occupational exposure to nitrous oxide. Carlsson P, et al. **Acta Anaesthesiol Scand** 1983 Dec;27(6):470–5
A tracer method for quantifying contamination of building supply air: reentrainment of laboratory hood exhausts. Barnett JL, et al. **Am Ind Hyg Assoc J** 1983 Aug; 44(8):580–2
Attempts at aerosol control in a turkey rearing confinement with negative air ionization. Parker S, et al. **Am Ind Hyg Assoc J** 1983 Dec;44(12):911–5
Potential hazard of a gas-scavenger [letter] Burbidge MJ, et al. **Anaesthesia** 1983 Dec;38(12):1224
Medishield AGS system and servo 900 ventilators. Investigation and remedy of hazard caused by defeat of 'low expired minute volume' alarm. Gray WM, et al. **Anaesthesia** 1984 Aug;39(8):790–4
Anaesthetic gas scavenging systems [letter] Hawkins TJ. **Anaesthesia** 1984 Feb;39(2):190
Flow-dependence of the Casella respirable-dust cyclone. Ogden TL, et al. **Ann Occup Hyg** 1983;27(3):261–71
Gas scavenging during bronchoscopy under general anesthesia. Ostfeld E, et al. **Ann Otol Rhinol Laryngol** 1984 Mar-Apr;93(2 Pt 1):146–9
The decontamination of a mercury-polluted room with iodised-charcoal filter fans. Brown D. **Br Dent J** 1984 Jun 23;156(12):453–4
A modification to the Medishield anaesthetic gas scavenging system [letter] Mostafa SM, et al. **Br J Anaesth** 1984 Aug; 56(8):929–30
The liquid barrier filter: total protection against particulate contaminants. Seufert WD, et al. **Br J Ind Med** 1984 Feb; 41(1):1–5
Recovery of waste anesthetic gases. Waterson CK. **Contemp Anesth Pract** 1984;8:109–24
Anesthetic waste gases in veterinary medicine: analysis of the problem and suggested guidelines for reducing personnel exposures. Short CE, et al. **Cornell Vet** 1983 Oct; 73(4):363–74
Health issues in the Clean Air Act. Frank R. **Environ Health Perspect** 1983 Oct;52:241–6
The use of scientific information in setting ambient air standards. Jordan BC, et al. **Environ Health Perspect** 1983 Oct;52:233–40
Health costs of a reduced energy supply. McCarroll JR. **Environ Health Perspect** 1983 Oct;52:255–6
Rational establishment of air quality standards. Pearce D, et al. **Environ Health Perspect** 1983 Oct;52:207–13
Measurement and monitoring of non-criteria (toxic) contaminants in air. A specialty conference summary. Cline JR, et al. **J Air Pollut Control Assoc** 1983 Oct;33(10):944–8
Removal of formaldehyde and xylene fumes from histopathology laboratories: a functional approach to the design of extraction systems. Edwards FP, et al. **J Clin Pathol** 1984 Apr;37(4):401–8
Acid rain: UK in minority of one [news] Beardsley T. **Nature** 1984 Jun 28-Jul 4;309(5971):740–1
The effect of the filter cap of the 'FFH' system on the cage microclimate. Müller HR, et al. **Z Versuchstierkd** 1983; 25(5):277–83
[Pollution of operating rooms with volatile and gas anesthetics. Methods of prevention] Stieglitz P, et al. **Ann Fr Anesth Reanim** 1984;3(4):318–21 (Eng. Abstr.) (Fre)
[Automatic immission monitoring and immission prognosis] Herbarth O, et al. **Z Gesamte Hyg** 1983 Sep;29(9):533–5 (Eng. Abstr.) (Ger)
[The role of the forest and public parks in Hungarian health] Somosi G. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Apr; 177(3-4):319–26 (Eng. Abstr.) (Ger)
[Data on the hygienic basis for sanitary protective zones around seaports as unorganized sources of atmospheric pollution] Boev SE, et al. **Gig Sanit** 1983 Oct;(10):36–9 (Eng. Abstr.) (Rus)
[Effectiveness of trees for improving the quality of urban air] Ostrikova VM. **Gig Sanit** 1984 Jan;(1):60–1 (Rus)
[Research on protecting the air of populated places from pollution by automobile exhaust gases] Sidorenko GI, et al. **Gig Sanit** 1984 Feb;(2):7–10 (Eng. Abstr.) (Rus)
[Experience in organizing laboratory control of atmospheric pollution] Zgigunov NF. **Gig Sanit** 1983 Jul;(7):57–8 (Rus)

AIR POLLUTION, RADIOACTIVE

Radon daughters in European mines [letter] O'Riordan MC. **Health Phys** 1984 Mar;46(3):701–2

ANALYSIS

An electrostatic precipitator for the study of airborne radioactivity. Andrews LL, et al. **Health Phys** 1984 Apr; 46(4):801–8
The variation of basement radon concentration with barometric pressure. Hernandez TL, et al. **Health Phys** 1984 Feb;46(2):440–5
Characterization of an aerosol sample from the auxiliary building of the Three Mile Island reactor. Kanapilly GM, et al. **Health Phys** 1983 Nov;45(5):981–9
On the escaping radioactivity from coal power plants (CPP). Papastefanou C, et al. **Health Phys** 1984 Feb;46(2):293–302
Gamma dose rate for side sectors in a sector-averaged plume. Shirvaikar VV, et al. **Health Phys** 1984 Jun;46(6):1286–7
Analysis of tritiated water vapor by non-volatile liquid scintillant sorbent. Kato T. **Int J Appl Radiat Isot** 1983 Dec;34(12):1593–5
Air activation produced by high-energy medical accelerators. McGinley PH, et al. **Med Phys** 1983 Nov-Dec;10(6):796–800

ECONOMICS

Cost evaluation of control measures for indoor radon progeny. Moeller DW, et al. **Health Phys** 1984 Jun; 46(6):1181–93

AIR POLLUTION, TOBACCO SMOKE see **TOBACCO SMOKE POLLUTION**

AIR PRESSURE see under **ATMOSPHERIC PRESSURE**

AIR SACS

Increased incidence of airsacculitis in broilers infected with mycoplasma synoviae and chicken-passaged infectious bronchitis vaccine virus. Hopkins SR, et al. **Avian Dis** 1984 Apr-Jun;28(2):386–96

PATHOLOGY

[Myxosporidia-caused swimbladder inflammation in carp fry] Körting W, et al. **Berl Munch Tierarztl Wochenschr** 1984 Mar 1;97(3):99–104 (Eng. Abstr.) (Ger)

PHYSIOLOGY

Responses of the swimbladder of the carp to sound stimulation. Altman JA, et al. **Hear Res** 1984 May; 14(2):145–53
Adaptations for reflection of bioluminescent light in the gas bladder of Leiognathus equulus (Perciformes: Leiognathidae). McFall-Ngai MJ. **J Exp Zool** 1983 Jul; 227(1):23–33
Ventilation, gaseous exchange and air sac gases during moderate thermal panting in domestic fowl. Gleeson M, et al. **Q J Exp Physiol** 1983 Oct;68(4):591–602

AIR SWALLOWING see **AEROPHAGY**

AIRCRAFT

Fit to fly. Saletta AL, et al. **Am J Nurs** 1984 Apr;84(4):462–5
Evaluation of an emergency air transport service as a component of a rural EMS system. Urdaneta LF, et al. **Am Surg** 1984 Apr;50(4):183–8
Severity of illness and injury in pediatric air transport. Mayer TA, et al. **Ann Emerg Med** 1984 Feb;13(2):108–11
Predicting the utilization of helicopter emergency medical services: an approach based on need. Rhee KJ, et al. **Ann Emerg Med** 1984 Oct;13(10):916–23
Pitfalls of aeromedical evacuation. Ingham PN. **Aust Fam Physician** 1983 Dec;12(12):881–3
The wearing of hydrophilic contact lenses aboard a commercial jet aircraft: I. Humidity effects on fit. Eng WG, et al. **Aviat Space Environ Med** 1982 Mar;53(3):235–8
Increase in jammed word intelligibility due to training of listeners. Nixon CW, et al. **Aviat Space Environ Med** 1982 Mar;53(3):239–44
Anxiety and coping behavior during an emergency landing. Götestam B, et al. **Behav Modif** 1983 Oct;7(4):569–75
Dangers of transporting sick children by air [letter] Raffles A, et al. **Br Med J [Clin Res]** 1984 Jan 28;288(6413):322
Military assistance to safety and traffic (MAST) helicopter medical evaluation (MEDEVAC). Utilization on the Island of Oahu—July 1, 1974, and December 31, 1978—a 4 1/2-year study. Arkoff S, et al. **Hawaii Med J** 1984 Jun; 43(6):200, 202, 204, passim
Hospital-based helicopter use increasing [news] Shahoda T.

Hospitals 1984 Feb 16;58(4):32, 34
Medical air evacuation during the Lebanon War, 1982. Noy-Man Y, et al. **Isr J Med Sci** 1984 Apr;20(4):303–4
The effect of numbers of noise events on people's reactions to noise: an analysis of existing survey data. Fields JM. **J Acoust Soc Am** 1984 Feb;75(2):447–67
A survey of community attitudes towards noise near a general aviation airport. Schomer PD. **J Acoust Soc Am** 1983 Dec; 74(6):1773–81
Thoracic and abdominal injuries in skiers: the role of air evacuation. Jurkovich GJ, et al. **J Trauma** 1983 Sep; 23(9):844–8
Malaria from a 'commuter' mosquito [letter] Smeaton MJ, et al. **Lancet** 1984 Apr 14;1(8381):845–6
A commuter mosquito's second bite? [letter] Warhurst DC, et al. **Lancet** 1984 Jun 9;1(8389):1303
Oxygen concentration in commercial aircraft flights [letter] McLeskey CH, et al. **South Med J** 1983 Oct;76(10):1330
[Practical management in the transport of patients on international flights] Hagelsten JO. **Ugeskr Laeger** 1984 Apr 9;146(15):1111–4 (Eng. Abstr.) **(Dan)**
[Chronic depressive state caused by decompensation after an airplane hijacking] Vidart L, et al. **Ann Med Psychol (Paris)** 1984 Feb;142(2):274–7 **(Fre)**
[Medical performance record of emergency physicians' mobile unit and emergency aid helicopter] Ellinger K, et al. **Anasth Intensivther Notfallmed** 1983 Aug;18(4):204–9 (Eng. Abstr.) **(Ger)**
[Helicopter overflights and labor disorders in cattle (expert testimony)] Ahlers D, et al. **DTW** 1983 Oct 6;90(10):444–7 **(Ger)**
[Long-term electrocardiogram study of glider pilots] Maire R, et al. **Schweiz Z Sportmed** 1984 Jun;32(2):37–43 (Eng. Abstr.) **(Ger)**
[Steroid hormone profiles in pregnant cows following exposure to noise stress, with special reference to corticosteroids] Zöldág L, et al. **Zentralbl Veterinarmed** [A] 1983 Dec;30(10):737–48 (Eng. Abstr.) **(Ger)**
[Air transports and tungiasis] Năstoiu I, et al. **Rev Ig [Bacteriol]** 1984 Jan-Mar;29(1):67–70 (Eng. Abstr.) **(Rum)**
[Chromatographic method of determining NGZh-4 in the air] Aleksandrova LG. **Gig Sanit** 1983 Jun;(6):57–60 **(Rus)**
[Helicopters in health care—experiences and views from Jämtland] Zetterström H. **Lakartidningen** 1984 Apr 4; 81(14):1432–6 **(Swe)**

HISTORY

The air-ambulance: Orkney's experience. Collacott RA. **J R Coll Gen Pract** 1984 Mar;34(260):163–5

AIRSICKNESS see **MOTION SICKNESS**

AIRWAY OBSTRUCTION

Fiberoptic stylet laryngoscope and sitting position for tracheal intubation in acute superior vena caval syndrome. Shapiro HM, et al. **Anesth Analg** 1984 Feb;63(2):161–2

BLOOD

Experimental nasal obstruction and changes in the arterial blood gases. Ramadan MF. **Clin Otolaryngol** 1983 Aug; 8(4):245–50
[Significance of plasma histamine level in airway obstruction] Zimmermann I, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:732–9 (Eng. Abstr.) **(Ger)**

CHEMICALLY INDUCED

Acute airway obstruction followed by hypersensitivity pneumonitis in an isocyanate (MDI) worker. Baur X, et al. **J Occup Med** 1984 Apr;26(4):285–7
Contact urticaria and airway obstruction from carbonless copy paper. Marks JG Jr, et al. **JAMA** 1984 Aug 24–31; 252(8):1038–40

COMPLICATIONS

Pulmonary edema associated with upper airway obstruction. Kanter RK, et al. **Am J Dis Child** 1984 Apr;138(4):356–8
Acute pulmonary oedema. A complication of upper airway obstruction. Kamal RS, et al. **Anaesthesia** 1984 May; 39(5):464–7
Episodic complete airway obstruction in children with undiagnosed obstructive sleep apnea. Weinberg S, et al. **Anesthesiology** 1984 Apr;60(4):356–8
Postnasal drip causes cough and is associated with reversible upper airway obstruction. Irwin RS, et al. **Chest** 1984 Mar; 85(3):346–52
Cor pulmonale and facio-auriculo-vertebral sequence. Mealer WR, et al. **Cleft Palate J** 1984 Apr;21(2):100–3
Strangulation as a cause of Korsakoff psychosis. arap Mengech HN. **East Afr Med J** 1983 May;60(5):343–5
Cor pulmonale and acute liver necrosis, due to upper airway obstruction as part of pycnodysostosis. Aronson DC, et al. **Eur J Pediatr** 1984 Feb;141(4):251–3
Corticosteroid management of airway hemangiomas: long-term follow-up. Hawkins DB, et al. **Laryngoscope** 1984 May;94(5 Pt 1):633–7
Velo-pharyngo-laryngeal myoclonus: evaluation of objective tinnitus and extrathoracic airway obstruction. Toland AD, et al. **Laryngoscope** 1984 May;94(5 Pt 1):691–5
Sleep and nasal obstruction [letter] Shaw EB. **Pediatrics** 1983 Nov;72(5):753–4
Diffuse pulmonary fibrosis with airflow obstruction – clinical entities and classification. Meier-Sydow J, et al. **Prax Klin Pneumol** 1983 Sep;37(9):335–41
Obstructive sleep apnea. Harper RM. **Prog Clin Biol Res** 1983;136:97–108 (26 ref.)
Localized pneumothorax adjacent to a collapsed lobe: a sign of bronchial obstruction. Berdon WE, et al. **Radiology** 1984 Mar;150(3):691–4

DIAGNOSIS

Airway interference syndrome. Clinical identification and evaluation of nose breathing capabilities. Quinn GW. **Angle Orthod** 1983 Oct;53(4):311–9
Variable intrathoracic airways obstruction masquerading as asthma [letter] **Br Med J [Clin Res]** 1983 Dec 10; 287(6407):1795–6
Mucous plugging simulating pulmonary embolism in patients with quadriplegia. Dee PM, et al. **Chest** 1984 Mar; 85(3):363–6
Upper airway obstruction presenting as exercise-induced asthma. Lakin RC, et al. **Chest** 1984 Sep;86(3):499–501
Transnasal fiberoptic endoscopy in children with obstructive apnea. Fan LL. **Crit Care Med** 1984 Jul;12(7):590–2
Laryngeal cancer: long-term follow-up of respiratory functions after laryngectomy. Todisco T, et al. **Respiration** 1984;45(3):303–15
Upper airway obstruction. Chee YC, et al. **Singapore Med J** 1983 Aug;24(4):213–7
Cephalometric analyses and flow-volume loops in obstructive sleep apnea patients. Riley R, et al. **Sleep** 1983; 6(4):303–11

DRUG THERAPY

Breathing during sleep: the responses to asphyxia and prochlorperazine in normal subjects and patients with obstructive sleep apnea. Olson LG, et al. **Aust NZ J Med** 1983 Dec;13(6):613–20
Theophylline compounds in patients with reversible airways obstruction. Vernon DR, et al. **Clin Allergy** 1984 Jan; 14(1):69–73
Asthma—site of airway obstruction and aerosol deposition. Mossberg B. **Eur J Respir Dis [Suppl]** 1984;136:49–53
Corticosteroids in airway management. Hawkins DB, et al. **Otolaryngol Head Neck Surg** 1983 Dec;91(6):593–6 (33 ref.)
[Therapy of obstructive infant bronchitis] Reinhardt D. **Monatsschr Kinderheilkd** 1984 Jun;132(6):448–53 **(Ger)**
[Effect and tolerance of various methylxanthines in airway obstruction] Schlanstein A, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:914–7 (Eng. Abstr.) **(Ger)**
[Methylxanthine determinations (HPLC) in clinical practice—observations of serum concentrations and lung function time curves] Schmitz-Schumann M. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:918–21 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Upper airway obstruction due to laryngeal coccidioidomycosis in a 5-year-old child. Benitz WE, et al. **Am J Otolaryngol** 1983 Sep-Oct;4(5):367–70
Rapidly progressive air-flow obstruction in marrow transplant recipients. Possible association between obliterative bronchiolitis and chronic graft-versus-host disease. Ralph DD, et al. **Am Rev Respir Dis** 1984 Apr; 129(4):641–4
Valvular glottic obstruction following extubation. Chatterji S, et al. **Anaesthesia** 1984 Mar;39(3):246–7
Respiratory obstruction from uvular edema in a pediatric patient. Haselby KA, et al. **Anesth Analg** 1983 Dec; 62(12):1127–8
Endotracheal tube obstruction possibly due to structural fault [letter] Arai T, et al. **Anesthesiology** 1983 Nov;59(5):480–1
Demand valve improperly set resulting in pulmonary barotrauma. Banner MJ, et al. **Anesthesiology** 1984 Jul; 61(1):86–7
An unusual cause for airway obstruction in a young healthy adult [letter] Bishay EG, et al. **Anesthesiology** 1984 Jun; 60(6):610–1
The anesthetic management of the patient with an anterior mediastinal mass. Neuman GG, et al. **Anesthesiology** 1984 Feb;60(2):144–7
Noncardiogenic pulmonary edema following laryngeal obstruction. Weissman C, et al. **Anesthesiology** 1984 Feb; 60(2):163–5
Upper airway obstruction complicating warfarin therapy—with a note on reversal of warfarin toxicity. Boster SR, et al. **Ann Emerg Med** 1983 Nov;12(11):711–5
Strangulation: a review of ligature, manual, and postural neck compression injuries. Iserson KV. **Ann Emerg Med** 1984 Mar;13(3):179–85 (55 ref.)
Hypopharyngeal obstruction in lupus erythematosus [letter] Burgess ED, et al. **Ann Intern Med** 1984 Feb;100(2):319
Severe airways obstruction as a presenting feature of pulmonary histiocytosis-X: a case report. Elliott JA. **Br J Dis Chest** 1983 Jul;77(3):299–302
Innominate artery compression of the trachea. Wenig BL, et al. **Bull NY Acad Med** 1984 Jun;60(5):525–31
Chronic traumatic aneurysm of the descending thoracic aorta with compression of the tracheobronchial tree. Verdant A. **Can J Surg** 1984 May;27(3):278–9
Upper airway obstruction in Guillain-Barré syndrome. Rodrigues JF, et al. **Chest** 1984 Jul;86(1):147–8
Bronchopulmonary obstruction in children with respiratory virus infections. Carlsen KH, et al. **Eur J Respir Dis** 1984 Feb;65(2):92–8
Food asphyxiation in young children. **FDA Drug Bull** 1984 Apr;14(1):8–9
Foreign bodies in the pediatric airway. Bhatnagar V, et al. **Indian J Pediatr** 1983 Sep-Oct;50(406):519–23
Supraglottic obstruction. Cawood JI, et al. **Injury** 1984 Jan; 15(4):277–9
Airway obstruction due to epiglottic lymphangiectasis: a case report. Tyler DC, et al. **Int J Pediatr Otorhinolaryngol** 1983 Dec;6(3):285–9
Upper airway obstruction caused by massive subcutaneous emphysema. Gibney RT, et al. **Intensive Care Med** 1984; 10(1):43–4
Acute upper airway obstruction following sub-lingual haematoma. Murray JM, et al. **Ir Med J** 1983 Nov; 76(11):458
Induction of airway collapse with subatmospheric pressure in awake patients with sleep apnea. Suratt PM, et al. **J Appl Physiol** 1984 Jul;57(1):140–6
Lingual thyroglossal duct cyst causing death in a four-week-old infant. Hanzlick RL. **J Forensic Sci** 1984 Jan;29(1):345–8
Sudden airway obstruction in achalasia. Collins MP, et al. **J Laryngol Otol** 1984 Feb;98(2):207–11
Airway obstruction from a polypoid oropharyngeal hamartoma. Gleeson MJ, et al. **J Laryngol Otol** 1984 Aug; 98(8):835–7
Life-threatening peripharyngeal suppuration. Johnson AP, et al. **J Laryngol Otol** 1984 Apr;98(4):429–35
An unusual case of airway obstruction. Dindzans LJ, et al. **J Otolaryngol** 1984 Aug;13(4):252–4
Mucus hypersecretion, airways obstruction, and mortality from chronic lung disease [editorial] **Lancet** 1984 Feb 11; 1(8372):320
Cervical ankylosing hyperostosis and airway obstruction. Hassard AD. **Laryngoscope** 1984 Jul;94(7):966–8
Nasopharyngeal brain heterotopia—a cause of upper airway obstruction in infancy. Seibert RW, et al. **Laryngoscope** 1984 Jun;94(6):818–9
A prospective study of laryngotracheal sequelae in long-term intubation. Whited RE. **Laryngoscope** 1984 Mar; 94(3):367–77
An unusual laryngeal obstruction [letter] Chung Gon EK. **Med J Aust** 1983 Nov 26;2(11):542
Acute epiglottitis in adults [letter] Warden JC, et al. **Med J Aust** 1984 Jun 9;140(12):746–7
Airway obstruction in aortic arch anomalies. Lima JA, et al. **Otolaryngol Head Neck Surg** 1983 Dec;91(6):605–9
Palliation of airway obstruction from tracheobronchial malignancy: use of the CO2 laser bronchoscope. Shapshay SM, et al. **Otolaryngol Head Neck Surg** 1983 Dec; 91(6):615–9
Anatomic abnormalities of the pediatric airway. Richardson MA, et al. **Pediatr Clin North Am** 1984 Aug;31(4):821–34
Viral infections and obstructive airway disease in early life. Welliver RC. **Pediatr Clin North Am** 1983 Oct;30(5):819–28 (49 ref.)
Nasal obstruction in the pediatric patient. Myer CM 3d, et al. **Pediatrics** 1983 Dec;72(6):766–77
Inspection of the Bayley Mental Scale test materials for potential hazards of choking, aspiration, and ingestion when used outside of test situation. Ridenour MV, et al. **Percept Mot Skills** 1983 Dec;57(3 Pt 2):1077–8
Laryngocoele causing airflow obstruction—a case report and summary of clinical manifestations in five other patients. Banks J, et al. **Postgrad Med J** 1984 Apr;60(702):290–2
Upper airway obstruction complicating the Shy-Drager syndrome. Gilmartin JJ, et al. **Thorax** 1984 Apr;39(4):313–4
[Life-threatening obstruction due to inflammation of the upper airways in children] Hylkema BS, et al. **Ned Tijdschr Geneeskd** 1984 Apr 21;128(16):745–8 **(Dut)**
[Respiratory obstruction during anesthesia in cases of mediastinal malignant lymphoma] Monleau M, et al. **Ann Fr Anesth Reanim** 1983;2(4):308–11 (Eng. Abstr.) **(Fre)**
[Cardiac failure complicating laryngomalacia in a newborn infant] Foucaud P, et al. **Arch Fr Pediatr** 1984 Apr; 41(4):265–7 (Eng. Abstr.) **(Fre)**
[Common respiratory infections and peripheral airway obstruction] Teculescu DB, et al. **Bull Eur Physiopathol Respir** 1983 Jul-Aug;19(4):393–9 (Eng. Abstr.) **(Fre)**
[Obstruction of the neck arteries and the upper airways during strangulation] Koops E, et al. **Beitr Gerichtl Med** 1983;41:315–21 (Eng. Abstr.) **(Ger)**
[Sudden infant death and hypertrophy of the thymus gland] Bonzanigo C, et al. **Schweiz Rundsch Med Prax** 1983 Dec 20;72(51–52):1617–25 (Eng. Abstr.) **(Ger)**
[Case of sarcoidosis with the initial symptom of nasal obstruction due to a nasal mucosal lesion—review of 41 reported cases in the literature] Uetake T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Jul;21(7):672–8 (Eng. Abstr.) **(Jpn)**
[Death from wasp sting of the throat] Nusupbaev NA, et al. **Sud Med Ekspert** 1983 Oct-Dec;26(4):56–7 **(Rus)**
[Endotracheal tube obstruction] García Buñuel PC, et al. **Rev Esp Anestesiol Reanim** 1984 Jan-Feb;31(1):25–9 (Eng.

Abstr.) (Spa)
[Aberrant left pulmonary artery. Presentation of a new case and review of the literature] Tomás Collado E, et al. **Rev Esp Cardiol** 1983;36(2):163–8 (Eng. Abstr.) (Spa)

IMMUNOLOGY

Urinary N tau-methylhistamine during early and late allergen-induced bronchial-obstructive reactions. Keyzer JJ, et al. **J Allergy Clin Immunol** 1984 Sep;74(3 Pt 1):240–5

METABOLISM

Regional mucociliary removal of inhaled particles in smokers with small airways disease. Weiss T, et al. **Respiration** 1983; 44(5):338–45

MORTALITY

Childhood asphyxiation by food. A national analysis and overview. Harris CS, et al. **JAMA** 1984 May 4; 251(17):2231–5

PATHOLOGY

A histological comparison of the temporal bone in strangulation and drowning. Liu C, et al. **J Otolaryngol** 1984 Feb;13(1):44–6
Broken cots and infant fatality. Variend S, et al. **Med Sci Law** 1984 Apr;24(2):111–2
[Injuries of the larynx and hyoid bone in strangulation and throttling] Missliwetz J. **Arch Kriminol** 1983 Jul–Aug; 172(1–2):29–31 (Ger)
[Ultrastructural pathology of the lung in obstructive asphyxia] Fechner G, et al. **Beitr Gerichtl Med** 1984;42:41–6 (Eng. Abstr.) (Ger)

PHYSIOPATHOLOGY

Experimentally induced neuromuscular changes during and after nasal airway obstruction. Miller AJ, et al. **Am J Orthod** 1984 May;85(5):385–92
Posture and nasal patency. Cole P, et al. **Am Rev Respir Dis** 1984 Mar;129(3):351–4
Relationship of wheezing to the severity of obstruction in asthma. Shim CS, et al. **Arch Intern Med** 1983 May; 143(5):890–2
Effect of experimental nasal obstruction on growth of alveolar arch. Ramadan MF. **Arch Otolaryngol** 1984 Sep; 110(9):566–70
Isocapnic hyperventilation with cold air in healthy non-smokers, smokers and asthmatic subjects. Decramer M, et al. **Bull Eur Physiopathol Respir** 1984 May–Jun; 20(3):237–43
Transit time analysis of the forced expiratory spirogram in male smokers. Osmanliev DP, et al. **Bull Eur Physiopathol Respir** 1984 May–Jun;20(3):285–93
Firing profile of diaphragm single motor unit during hypercapnia and airway occlusion. Arita H, et al. **J Appl Physiol** 1983 Oct;55(4):1203–10
Density dependence of maximal flow in dogs with central and peripheral obstruction. Castile RG, et al. **J Appl Physiol** 1983 Sep;55(3):717–25
Arousal and breathing responses to airway occlusion in healthy sleeping adults. Issa FG, et al. **J Appl Physiol** 1983 Oct;55(4):1113–9
Regional left ventricular performance during normal and obstructed spontaneous respiration. Robotham JL, et al. **J Appl Physiol** 1983 Aug;55(2):569–77
Mucus hypersecretion, airways obstruction [letter] Todisco T, et al. **Lancet** 1984 Apr 7;1(8380):801
Documentation of upper airway obstruction in unilateral vocal cord paralysis: flow-volume loop studies in 43 subjects. Kashima HK. **Laryngoscope** 1984 Jul;94(7):923–37
Videoendoscopic determination of the mechanism of obstruction in obstructive sleep apnea. Rojewski TE, et al. **Otolaryngol Head Neck Surg** 1984 Apr;92(2):127–31
1-second forced expiratory volume and density dependence in early airflow limitation. Teculescu DB, et al. **Respiration** 1983;44(6):433–8
Pulmonary function tests in excised dog lungs with small airway obstruction by beads. Sugiyama M, et al. **Tohoku J Exp Med** 1984 Jun;143(2):197–204
[The manifestation of flow volume curves in the upper airway obstruction—analysis of 12 cases] Zhu YJ. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1984 Feb;7(1):28–30 (Eng. Abstr.) (Chi)
[Ciliary disorders of the bronchi in children] Salomon JL, et al. **Rev Fr Mal Respir** 1983;11(5):645–55 (Eng. Abstr.) (Fre)
[Physical stress and hyperventilation as trigger factors of airway obstruction in bronchial asthma] Magnussen H, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:685–6 (Ger)
[Influence of vagus nerve, histamine, prostaglandin and catecholamine on airway obstruction] Zimmermann I, et al. **Respiration** 1984;45(4):372–93 (Eng. Abstr.) (Ger)
[Mechanics of the large airway] Yamauchi T. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Mar;21(3):203–9 (Eng. Abstr.) (Jpn)

PREVENTION & CONTROL

Prevention of allergen-induced bronchial obstruction in sensitized guinea pigs by crude alcoholic onion extract. Dorsch W, et al. **Agents Actions** 1984 Jun;14(5–6):626–9
Airway management in the transfer of the unconscious patient. Robinson N, et al. **Ann R Coll Surg Engl** 1983 Nov; 65(6):372–3
Protective effect of choline theophyllinate on histamine, acetylcholine, and propranolol-induced airflow obstruction. Koëter GH, et al. **Respiration** 1984; 45(2):139–46

PSYCHOLOGY

Nonorganic upper airway obstruction. Neel EU, et al. **J Adolesc Health Care** 1983 Sep;4(3):178–9
Functional upper airway obstruction: a possible somatization disorder. Starkman MN, et al. **Psychosomatics** 1984 Apr; 25(4):327–9, 332–3

RADIOGRAPHY

The laryngeal saccule: radiological features in normal children and in upper airways obstructions. Claudon M, et al. **Ann Radiol (Paris)** 1984 Feb–Mar;27(2–3):138–44 (Eng, Fre)
[Vascular sling] Münster W, et al. **Radiol Diagn (Berl)** 1983; 24(5):577–83 (Eng. Abstr.) (Ger)

SURGERY

Airway obstruction in infectious mononucleosis. A case report. Catling SJ, et al. **Anaesthesia** 1984 Jul;39(7):699–702
Anesthesia for neodymium-YAG (Nd-YAG) laser resection of major airway obstructing tumors. Warner ME, et al. **Anesthesiology** 1984 Mar;60(3):230–2
Temporary partial cardiopulmonary bypass during emergency operative management of near total tracheal occlusion. Wilson RF, et al. **Anesthesiology** 1984 Jul; 61(1):103–5
Indications, results, and complications of bronchoscopic carbon dioxide laser therapy. McElvein RB, et al. **Ann Surg** 1984 May;199(5):522–5
Surgical treatment of absent pulmonary valve syndrome in infants: relief of bronchial obstruction. Stellin G, et al. **Ann Thorac Surg** 1983 Oct;36(4):468–75
Rotary-door flap in laryngotracheal reconstruction. Eliachar I, et al. **Arch Otolaryngol** 1984 Sep;110(9):585–90
Cricothyroidotomy. Roven AN, et al. **Ear Nose Throat J** 1983 Sep;62(9):489–93
Acute fulminating pulmonary oedema following relief of airway obstruction. Dash HH, et al. **Indian J Chest Dis Allied Sci** 1983 Apr–Jun;25(2):145–8
Laser bronchoscopic surgery. Gillis TM, et al. **J Otolaryngol** 1983 Aug;12(4):217–22
The role of tracheostomy in otolaryngological practice in a developing country. Okeowo PA. **J Otolaryngol** 1983 Aug;12(4):231–4
New surgical approaches for obstructive sleep apnea syndrome [editorial] Guilleminault C. **Sleep** 1984;7(1):1–2
Sectioning the hyoid bone as a therapeutic approach for obstructive sleep apnea. Kaya N. **Sleep** 1984;7(1):77–8
Mandibular osteotomy and hyoid bone advancement for obstructive sleep apnea: a case report. Riley R, et al. **Sleep** 1984;7(1):79–82
Sequelae and complications of palatopharyngoplasty: impact on vocal trill [letter]. Samelson CF. **Sleep** 1984;7(1):83–4
[Laser coagulation via the flexible fiber bronchoscope for the treatment of stenosing lesions of the central airways] Festen J, et al. **Ned Tijdschr Geneeskd** 1984 Feb 4; 128(5):214–7 (Eng. Abstr.) (Dut)
[Cryogenic treatment of chronic nasal obstruction] Oreggia F. **An Otorrinolaringol Ibero Am** 1983;10(4):343–52 (Eng. Abstr.) (Spa)

THERAPY

Airway management in children with bacterial tracheitis. Weinberg S, et al. **Anesth Analg** 1984 Sep;63(9):860–2
Tactile orotracheal intubation. Stewart RD. **Ann Emerg Med** 1984 Mar;13(3):175–8
Foreign bodies in the ear, nose and throat. Szasz JJ. **Aust Fam Physician** 1983 Aug;12(8):574–7
Disaster at the dining table [editorial] Howells TH. **Br Med J [Clin Res]** 1984 Sep 1;289(6444):511–2
Pulmonary edema following relief of upper airway obstruction. Sofer S, et al. **Chest** 1984 Sep;86(3):401–3
The choking child—a life-threatening emergency. Evaluation of current recommendations. Torrey SB. **Clin Pediatr (Phila)** 1983 Nov;22(11):751–4
CME program. Tracheotomy and inhalation injury. Sataloff DM, et al. **Head Neck Surg** 1984 Jul–Aug;6(6):1024–31 (25 ref.)
Emergency airway management: Part 2. Powner DJ. **Indiana Med** 1984 Feb;77(2):94–6
Emergency airway management: Part 1. Critical care medicine. Powner DJ. **Indiana Med** 1984 Jan;77(1):18–20
Gastric rupture complicating mouth-to-mouth resuscitation. Engelstein D, et al. **Isr J Med Sci** 1984 Jan;20(1):68–70
A new approach to the management of critical low tracheal obstruction. Gleeson MJ, et al. **J Laryngol Otol** 1984 Aug; 98(8):811–8
The reduction of nasal airway resistance by rapid maxillary expansion and its effect on respiratory disease. Timms DJ. **J Laryngol Otol** 1984 Apr;98(4):357–62
IV: Management of the airway in the newborn infant. Sheldon RE. **J Okla State Med Assoc** 1983 Nov; 76(11):393–5
Investigation of intrapartum clearance of the upper airway in the presence of meconium contaminated amniotic fluid using an animal model. Pfenninger E, et al. **J Perinat Med** 1984;12(2):57–68
Percutaneous transtracheal ventilation [editorial] McSwain Jr. **J Trauma** 1983 Dec;23(12):1076
Rupture of stomach after attempted Heimlich maneuver [letter] Croom DW. **JAMA** 1983 Nov 18;250(19):2602–3
Aspiration accidents: choking and drowning. Greensher J, et al. **Pediatr Ann** 1983 Oct;12(10):747–50, 752

VETERINARY

Palatal myositis in horses with dorsal displacement of the soft palate. Blythe LL, et al. **J Am Vet Med Assoc** 1983 Oct 1;183(7):781–5
Airway obstruction responsible for genesis of deformation of expiratory-oxygen-concentration curve in chickens. Itabisashi T. **Nippon Juigaku Zasshi** 1983 Dec;45(6):713–20

AIRWAY RESISTANCE

Nasal resistance during wakefulness and sleep in normal man. Hudgel DW, et al. **Acta Otolaryngol (Stockh)** 1984 Jul–Aug; 98(1–2):130–5
Variation in nasal mucosa congestion during rest. Juto JE, et al. **Acta Otolaryngol (Stockh)** 1984 Jul–Aug; 98(1–2):136–9
Effects of nasal occlusion on respiration in sleep. Evidence of inheritability of sleep apnea proneness. Lavie P, et al. **Acta Otolaryngol (Stockh)** 1984 Jan–Feb;97(1–2):127–30
External inspiratory resistance of protective respiratory devices: effects on physical performance and respiratory function. Lerman Y, et al. **Am J Ind Med** 1983;4(6):733–40
The effect of Le Fort I maxillary impaction on nasal airway resistance. Guenthner TA, et al. **Am J Orthod** 1984 Apr; 85(4):308–15
Airway adequacy, head posture, and craniofacial morphology. Solow B, et al. **Am J Orthod** 1984 Sep; 86(3):214–23
Reducing ventilatory response to carbon dioxide by breathing cold air. Burgess KR, et al. **Am Rev Respir Dis** 1984 May; 129(5):687–90
Effects of bronchodilation on magnitude estimation of added resistive loads in asthmatic subjects. Burki NK. **Am Rev Respir Dis** 1984 Feb;129(2):225–9
Posture and nasal patency. Cole P, et al. **Am Rev Respir Dis** 1984 Mar;129(3):351–4
Alteration in osmolarity of inhaled aerosols cause bronchoconstriction and cough, but absence of a permeant anion causes cough alone. Eschenbacher WL, et al. **Am Rev Respir Dis** 1984 Feb;129(2):211–5
Platelet-activating factor raises airway and vascular pressures and induces edema in lungs perfused with platelet-free solution. Hamasaki Y, et al. **Am Rev Respir Dis** 1984 May; 129(5):742–6
Effects of added resistance to breathing during exercise in obstructive lung disease. Hodous TK, et al. **Am Rev Respir Dis** 1983 Nov;128(5):943–8
Asthma induced by suggestion: is it due to airway cooling? Lewis RA, et al. **Am Rev Respir Dis** 1984 May;129(5):691–5
Impaired detection of added inspiratory resistance in patients with obstructive sleep apnea. McNicholas WT, et al. **Am Rev Respir Dis** 1984 Jan;129(1):45–8
Frequency dependence of effective nasal resistance. Fullton JM, et al. **Ann Otol Rhinol Laryngol** 1984 Mar–Apr;93(2 Pt 1):140–5
Respiratory resistance of tracheostomy tubes. Yung MW, et al. **Arch Otolaryngol** 1984 Sep;110(9):591–5
Spontaneous flow measurements of laryngotracheal resistance in 30 tracheostoma patients. Berdel D, et al. **Arch Otorhinolaryngol** 1984;240(2):133–7
Small airways, lung function and aviation. Green M. **Aviat Space Environ Med** 1984 May;55(5):415–8
Facial muscle tension influences lung airway resistance; limb muscle tension does not. Glaus KD, et al. **Biol Psychol** 1983 Sep–Nov;17(2–3):105–20
Acute airway changes induced by coughing. Rees PJ, et al. **Br J Dis Chest** 1984 Jan;78(1):55–61
Effects of ultrasonically nebulized distilled water on respiratory resistance and breathing pattern in normals and asthmatics. Chadha TS, et al. **Bull Eur Physiopathol Respir** 1984 May–Jun;20(3):257–62
Isocapnic hyperventilation with cold air in healthy non-smokers, smokers and asthmatic subjects. Decramer M, et al. **Bull Eur Physiopathol Respir** 1984 May–Jun; 20(3):237–43
Bronchial reactivity and small airway dysfunction in subjects with intermediate alpha 1-antitrypsin deficiency. Groth S, et al. **Bull Eur Physiopathol Respir** 1984 May–Jun; 20(3):279–84
The effects of increased nasal airway resistance on modeled velopharyngeal orifice area estimation. Smith BE, et al. **Cleft Palate J** 1984 Jan;21(1):18–21
Overestimation of inspiratory upper airway resistance. Bake B, et al. **Clin Physiol** 1984 Feb;4(1):33–40
Effect of adrenergic and vagal blockade on the normal human airway response to exercise. Warren JB, et al. **Clin Sci** 1984 Jan;66(1):79–85
Airway movement in dogs during high-frequency jet ventilation. Quan SF, et al. **Crit Care Med** 1984 May; 12(5):452–6
Computer analysis of changes in pulmonary resistance induced by nasal stimulation in man. Konno A, et al.

Eur J Respir Dis [Suppl] 1983;128 (Pt 1):97–104
Methodological aspects of assessment of non-specific bronchial hyperreactivity. Löwhagen O.
Eur J Respir Dis [Suppl] 1984;136:33–40
On vagal bronchoconstriction in asthmatic patients by nasal irritation. Nolte D, et al. **Eur J Respir Dis [Suppl]** 1983; 128 (Pt 1):110–5
Non-specific bronchial hyperreactivity: correlation to asthma and modifying factors. Simonsson BG.
Eur J Respir Dis [Suppl] 1984;136:17–24
Control of airway smooth muscle and mechanisms of bronchial hyperreactivity. Skoogh BE.
Eur J Respir Dis [Suppl] 1984;136:9–15
Comparison of airway responses following tracheal or esophageal acidification in the cat. Tuchman DN, et al. **Gastroenterology** 1984 Oct;87(4):872–81
Systematic and random errors in the determination of respiratory impedance by means of the forced oscillation technique: a theoretical study. Franken H, et al.
IEEE Trans Biomed Eng 1983 Oct;30(10):642–51
Mechanical properties of the upper airway. Cauberghs M, et al. **J Appl Physiol** 1983 Aug;55(2):335–42
Effect of regional inhomogeneity on collateral airway resistance. Fuller SD, et al. **J Appl Physiol** 1984 Jul; 57(1):254–61
Effects of phrenic stimulation on upper airway resistance in anesthetized dogs. Gottfried SB, et al. **J Appl Physiol** 1983 Aug;55(2):419–26
Airway responses in offspring of dogs with and without airway hyperreactivity. Hirshman CA, et al.
J Appl Physiol 1984 May;56(5):1272–7
Respiratory system, lung, and chest wall impedances in anesthetized dogs. Jackson AC, et al. **J Appl Physiol** 1984 Jul;57(1):34–9
Comparison of subjects' perception of inspiratory and expiratory resistance. Muza SR, et al. **J Appl Physiol** 1984 Jan;56(1):211–6
Cigarette smoke acutely increases collateral resistance in excised dog lobes. Nakamura M, et al. **J Appl Physiol** 1984 Jan;56(1):166–74
In-phase rejection requirements for measuring respiratory input impedance. Peslin R, et al. **J Appl Physiol** 1984 Mar; 56(3):804–9
Upper airway walls impedance measured with head plethysmograph. Peslin R, et al. **J Appl Physiol** 1984 Aug; 57(2):596–600
Partitioning of pulmonary impedance in excised human and canine lungs. Van Brabandt H, et al. **J Appl Physiol** 1983 Dec;55(6):1733–42
Normal human airway response to exercise [letter] Warren J, et al. **J Appl Physiol** 1984 Jun;56(6):1686
Consistency of laryngeal airway resistance in adult women. Leeper HA Jr, et al. **J Commun Disord** 1984 Jun; 17(3):153–63
The reduction of nasal airway resistance by rapid maxillary expansion and its effect on respiratory disease. Timms DJ. **J Laryngol Otol** 1984 Apr;98(4):357–62
Total resistance of the respiratory system in preterm infants with and without an endotracheal tube. LeSouef PN, et al. **J Pediatr** 1984 Jan;104(1):108–11
Immunoglobulin G- and immunoglobulin E-mediated airway smooth muscle contraction in the guinea pig. Regal JF. **J Pharmacol Exp Ther** 1984 Jan;228(1):116–20
A technique for measuring the perception of added resistive loads during nasal breathing. Diamond L, et al.
J Pharmacol Methods 1983 Dec;10(4):255–61
Control of nasal vasculature and airflow resistance in the dog. Lung MA, et al. **J Physiol (Lond)** 1984 Apr;349:535–51
Expressed emotion and airway conductance in children with bronchial asthma. Hollaender J, et al. **J Psychosom Res** 1983;27(4):307–11
Airway resistance characteristics of voice button tracheoesophageal prostheses. Moon J, et al.
J Speech Hear Disord 1984 Aug;49(3):326–8
Airway resistance characteristics of Blom-Singer tracheoesophageal puncture prostheses [letter] Weinberg B, et al. **J Speech Hear Disord** 1982 Nov;47(4):441–2
Rhinomanometry—a review. Clement PA, et al.
ORL J Otorhinolaryngol Relat Spec 1984;46(4):173–91 (74 ref.)
Role of the nasal airway in regulation of airway resistance during hypercapnia and exercise. Second-Place Resident Award at 1982 Research Forum. Mertz JS, et al.
Otolaryngol Head Neck Surg 1984 Jun;92(3):302–7
Measurement of total respiratory resistance in children by a modified forced oscillation method. Nussbaum E, et al. **Pediatr Res** 1984 Feb;18(2):139–45
Comparison of two forced oscillation techniques. Cauberghs M, et al. **Respiration** 1984;45(1):22–5
Clinical use of the measurement of airway resistance during spontaneous respiration. Homma T, et al. **Respiration** 1984; 45(4):360–71
Genetic and environmental influence on inspiratory resistive load detection. Kawakami Y, et al. **Respiration** 1984; 45(2):100–10
A comparison of three methods of measuring broncholability in asthmatics, bronchitic cigarette smokers and normal subjects. Khoo KT, et al. **Respiration** 1984;45(3):219–24
Automated rhinomanometry. Jonson B, et al. **Rhinology** 1983 Sep;21(3):265–72
Methods for standardization of nasal mucosa decongestion in man. Juto JE, et al. **Rhinology** 1983 Dec;21(4):361–8
Effect of inspiratory flow rate on bronchomotor tone in normal and asthmatic subjects. Hida W, et al. **Thorax** 1984 Feb;39(2):86–92
[Measurements of airway resistance in stenosis of the laryngo-tracheal region] Koch U, et al.
Laryngol Rhinol Otol (Stuttg) 1984 Apr;63(4):212–4 (Eng. Abstr.) **(Ger)**
[Long-term effect of the therapeutic measures on airway resistance in chronic obstructive lung diseases in childhood—longitudinal follow-up study of 6 years] Wuthe H, et al. **Padiatr Grenzgeb** 1984;23(2):99–106 (Eng. Abstr.) **(Ger)**
[Spontaneous bronchial motoricity as a measure of bronchial hyperreactivity as well as a sensitive measurement in provocation] Barnikol WK. **Prax Klin Pneumol** 1983 Oct; 37 Suppl 1:682–4 (Eng. Abstr.) **(Ger)**
[Oscillatory-determined reactance in inhaled provocation] Hessler T, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:1081–4 (Eng. Abstr.) **(Ger)**
[Can an oscillation procedure using airway resistance be estimated?] Holle JP, et al. **Prax Klin Pneumol** 1983 Oct; 37 Suppl 1:1079–80 (Eng. Abstr.) **(Ger)**
[Cause of increased airway resistance in children] Hötter GJ. **Prax Klin Pneumol** 1984 Apr;38(4):148–51 **(Ger)**
[Effect of biogenic rhythms on plasma histamine level and airway resistance in patients with allergic bronchial asthma] Morr H, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:717–9 (Eng. Abstr.) **(Ger)**
[Effect of bronchoscopy (rigid and fiberoptic) on respiratory mechanics and reactivity of the airways] Petro W, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:866–70 (Eng. Abstr.) **(Ger)**
[Effect of flow-resistive respiration on the electrical activity of the diaphragm in patients with bronchial asthma and probands] Wossidlo H, et al. **Prax Klin Pneumol** 1983 Oct; 37 Suppl 1:1051–3 (Eng. Abstr.) **(Ger)**
[Industrial medicine preventive studies with spirometry, direct measurement of airway resistance, inhalation provocation and ergometry.
Uncertain—contradictory—imperfect aspects]
Schnellbächer F.
Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie 1983 Sep;33(9):290–9 **(Ger)**
[Respiratory impedance and its in vivo distribution measured by forced complex wave oscillations] Kinefuchi Y, et al. **Iyodenshi To Seitai Kogaku** 1984 Apr;22(2):117–23 (Eng. Abstr.) **(Jpn)**
[Characteristics in airway resistance and uneven ventilation in patients with diffuse panbronchiolitis (DPB) and diffuse pulmonary emphysema] Ishihara K, et al.
Kokyu To Junkan 1984 Jun;32(6):627–32 (Eng. Abstr.) **(Jpn)**
[Simple method for the measurement of lung dynamics in rats under artificial ventilation and anesthesia] Yamashiro K, et al. **Masui** 1984 Apr;33(4):385–9 (Eng. Abstr.) **(Jpn)**
[The acute effects of smoking one cigarette on the airways] Nagashima T, et al.
Nippon Kyobu Shikkan Gakkai Zasshi 1984 Feb;22(2):131–7 (Eng. Abstr.) **(Jpn)**
[Factors influencing the formation of loops in pressure vs. flow diagrams] Kitada O, et al. **Rinsho Byori** 1983 Jul; 31(7):783–7 **(Jpn)**
[Measurement of airway resistance using a body plethysmograph—the effect of added external resistance] Sugita M, et al. **Rinsho Byori** 1983 Aug;31(8):919–23 **(Jpn)**
[Effect of hypertensive shifts of arterial pressure on bronchial airway resistance] Dvoretskiĭ DP, et al. **Fiziol Zh SSSR** 1983 Oct;69(10):1308–12 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Nasal respiratory resistance and head posture: effect of intranasal corticosteroid (Budesonide) in children with asthma and perennial rhinitis. Wenzel A, et al.
Am J Orthod 1983 Nov;84(5):422–6
Sulfur dioxide-induced bronchoconstriction in freely breathing, exercising, asthmatic subjects. Bethel RA, et al. **Am Rev Respir Dis** 1983 Dec;128(6):987–90
The effect of atropine on allergen-induced increases in bronchial responsiveness to histamine. Boulet LP, et al. **Am Rev Respir Dis** 1984 Sep;130(3):368–72
Morphine sulfate inhibits bronchoconstriction in subjects with mild asthma whose responses are inhibited by atropine. Eschenbacher WL, et al. **Am Rev Respir Dis** 1984 Sep;130(3):363–7
Air-flow limitation in myasthenia gravis. The effect of acetylcholinesterase inhibitor therapy on air-flow limitation. Shale DJ, et al. **Am Rev Respir Dis** 1983 Oct; 128(4):618–21
Seasonal increase of carbachol airway responsiveness in patients allergic to grass pollen. Reversal by corticosteroids. Sotomayor H, et al. **Am Rev Respir Dis** 1984 Jul;130(1):56–8
Airway effects of low concentrations of sulfur dioxide: dose-response characteristics. Schachter EN, et al.
Arch Environ Health 1984 Jan-Feb;39(1):34–42
Preventive and reverse effects of nifedipine on human bronchoconstriction 'in vitro'. Horio S, et al.
Arch Int Pharmacodyn Ther 1984 Jan;267(1):80–90
Overadditive synergism between theophylline, diprophylline and proxyphylline in tracheal smooth muscle relaxation. Kukovetz WR, et al. **Arzneimittelforsch** 1983;33(10):1450–4
2-nor-leukotriene analogs: antagonists of the airway and vascular smooth muscle effects of leukotriene C4, D4 and E4. Gleason JG, et al. **Biochem Biophys Res Commun** 1983 Dec 28;117(3):732–9
Comparison of pseudoephedrine and triprolidine, alone and in combination in preventing nasal congestion in subjects with allergic rhinitis using nasal histamine challenge. Empey DW, et al. **Br J Clin Pharmacol** 1984 Jul;18(1):86–9
Relaxation of cat tracheobronchial and pulmonary arterial smooth muscle by vasoactive intestinal peptide: lack of influence by peptidase inhibitors. Altiere RJ, et al.
Br J Pharmacol 1984 Jun;82(2):321–8
Beta 2-adrenoceptor blockade is the basis of guinea-pig bronchial hyper-responsiveness to leukotriene C4 and other agonists. Bongrani S, et al. **Br J Pharmacol** 1983 Aug; 79(4):839–48
Mediators of arachidonic acid-induced contractions of indomethacin-treated guinea-pig airways: leukotrienes C4 and D4. Burka JF, et al. **Br J Pharmacol** 1984 Mar; 81(3):465–73
The effects of arachidonic acid and non-steroidal anti-inflammatory drugs on intrapulmonary airways of the guinea-pig. Clay TP, et al. **Br J Pharmacol** 1984 Feb; 81(2):335–9
Antagonism of Ca2+ and other actions of verapamil in guinea-pig isolated trachealis. Foster RW, et al.
Br J Pharmacol 1984 Mar;81(3):499–507
Indomethacin enhances the effect of histamine on airways resistance in the anaesthetized guinea-pig. Mitchell HW. **Br J Pharmacol** 1983 Oct;80(2):287–94
Propranolol-induced airway hyperreactivity in guinea-pigs. Ney UM. **Br J Pharmacol** 1983 Aug;79(4):1003–9
Direct and indirect actions of histamine on airway smooth muscle in guinea pigs. Biggs DF.
Can J Physiol Pharmacol 1984 Jun;62(6):727–33
Methacholine dose-response curves in normal and asthmatic man: effect of starting conductance and pharmacological antagonism. Chung KF, et al. **Clin Sci** 1984 Jun; 66(6):665–73
Changes in airway permeability and responsiveness after exposure to ozone. Abraham WM, et al. **Environ Res** 1984 Jun;34(1):110–9
Time course of exercise-induced bronchoconstriction in asthmatics exposed to sulfur dioxide. Hackney JD, et al. **Environ Res** 1984 Aug;34(2):321–7
Bronchopulmonary effects of phenylephrine and methoxamine in the guinea-pig. Interaction with bronchoconstrictor drugs. Advenier C, et al.
Eur J Pharmacol 1984 Apr 13;100(1):59–69
Effects of calcium channel blockers and a calmodulin antagonist on contractions of guinea pig airways. Burka JF. **Eur J Pharmacol** 1984 Apr 6;99(4):257–68
Effects of diltiazem and other Ca2+ antagonists on guinea-pig tracheal muscle. Cerrina J, et al.
Eur J Pharmacol 1983 Oct 28;94(3–4):241–9
Leukotriene D4 elicits a non-sustained contraction of the guinea pig trachea in calcium-free buffer. Weichman BM, et al. **Eur J Pharmacol** 1984 Jun 1;101(3–4):229–34
Deep-inspiration induced bronchoconstriction: a mechanism for beclomethasone aerosol intolerance. Charpin D, et al. **Eur J Respir Dis** 1983 Oct;64(7):494–7
The effect of alpha adrenergic blockade on non-specific airways reactivity and exercise induced asthma. Bleecker ER, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 1):258–65
The pathophysiology and treatment of asthma with bronchodilators and inhaled steroids. Kerrebijn KF.
Eur J Respir Dis [Suppl] 1984;136:213–22
Asthma—site of airway obstruction and aerosol deposition. Mossberg B. **Eur J Respir Dis [Suppl]** 1984;136:49–53
Non-invasive method for detecting laryngeal narrowing with low frequency sound: effect of fenoterol on laryngeal dilatation. Takishima T, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 2):403–5
The response of the airways to nasal stimulation in asthmatics with rhinitis. Yan K, et al. **Eur J Respir Dis [Suppl]** 1983; 128 (Pt 1):105–9
A comparison of the effects of ketotifen and clemastine on cutaneous and airway reactivity to histamine and allergen in atopic asthmatic subjects. Esau S, et al.
J Allergy Clin Immunol 1984 Sep;74(3 Pt 1):270–4
Neuromuscular response to resistive unloading: helium vs. bronchodilation. DeWeese EL, et al. **J Appl Physiol** 1984 May;56(5):1308–13
Maintenance of muscarinic tone after vagotomy in the lung periphery. Gertner A, et al. **J Appl Physiol** 1984 Jul; 57(1):278–83
Influence of ketotifen on the airway responsiveness in asthmatics. Dorow P, et al. **J Asthma** 1984;21(2):81–8
Furosemide acutely decreases airways resistance in chronic bronchopulmonary dysplasia. Kao LC, et al. **J Pediatr** 1983 Oct;103(4):624–9
Interaction of leukotriene D4 and histamine on bronchomotor tone, in the guinea-pig. Stewart AG, et al.
J Pharm Pharmacol 1983 Nov;35(11):755–6
Effects of prostaglandin E1 on canine nasal vascular and airway resistances. Agnes M, et al.
J Pharmacol Exp Ther 1984 Jan;228(1):215–9
SK&F 88046: a unique pharmacologic antagonist of bronchoconstriction induced by leukotriene D4, thromboxane and prostaglandins F2 alpha and D2 in vitro. Weichman BM, et al. **J Pharmacol Exp Ther** 1984 Jan;

228(1):128–32
Effect of forskolin on methacholine-induced bronchoconstriction in extrinsic asthmatics [letter] Lichey I, et al. **Lancet** 1984 Jul 21;2(8395):167
Effect of isoproterenol inhalation on airway resistance in chronic bronchopulmonary dysplasia. Kao LC, et al. **Pediatrics** 1984 Apr;73(4):509–14
Theophylline—plasma concentration related to bronchodilatation and side effects. Dahlqvist R. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:911–3
Leukotriene E4-induced airway hyperresponsiveness of guinea pig tracheal smooth muscle to histamine and evidence for three separate sulfidopeptide leukotriene receptors. Lee TH, et al. **Proc Natl Acad Sci USA** 1984 Aug;81(15):4922–5
Histamine release into tracheal lumen and bronchial reactivity. Effect of local histamine administration on histamine release and bronchial reactivity. Zimmerman I, et al. **Res Exp Med (Berl)** 1983;183(1):67–75
Histamine release into tracheal lumen and bronchial reactivity. Effect of compound 48/80 administered by different routes in various doses on histamine release and bronchial reactivity. Zimmerman I, et al. **Res Exp Med (Berl)** 1983;183(1):55–65
Influence of the inhalative aerosol Atrovent on airway resistance and intrathoracic gas volume in healthy volunteers of different ages. Islam MS, et al. **Respiration** 1984;45(3):225–31
Reversible airflow obstruction: clinical spectrum and responsiveness to anticholinergic drugs. Jolobe OM. **Respiration** 1984;45(3):232–6
Asthma vs. non-specific reversible airflow obstruction: clinical features and responsiveness to anticholinergic drugs. Jolobe OM. **Respiration** 1984;45(3):237–42
Acute effect of inhaled salbutamol on mucociliary clearance in health and chronic bronchitis. Lafortuna CL, et al. **Respiration** 1984;45(2):111–23
Comparative study of the bronchospasmolytic effect of fenoterol (0.2 mg) salbutamol (0.4 mg) as powder inhalations in 20 patients with reversible bronchial obstruction. Maesen FP, et al. **Respiration** 1984; 45(3):265–70
Pharmacological effects and determination of the morphological distribution of powder aerosols containing fenoterol hydrobromide and ipratropium bromide. Traunecker W, et al. **Respiration** 1984;45(3):271–5
Human response to controlled levels of toluene in six-hour exposures. Andersen I, et al. **Scand J Work Environ Health** 1983 Oct;9(5):405–18
Effect of prior bronchoconstriction on the airway response to histamine in normal subjects. Chung KF, et al. **Thorax** 1984 Jan;39(1):40–5
[Effect of the inhalation of an atropine derivative (ipratropium bromide) in powder form on respiratory mechanics in obstructive airway diseases] Götz R, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:927–8 (Eng. Abstr.) (Ger)
[Bronchoconstriction and hypersecretion following sulfur dioxide—a laryngeal reflex?] Hahn HL, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:666–9 (Eng. Abstr.) (Ger)
[Cause of bronchial hypersensitivity to histamine and carbachol] Hartmann V, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:740–1 (Eng. Abstr.) (Ger)
[1-second value and oscillatory airway resistance in the evaluation of the effectiveness of beta-adrenergic agents under general practice conditions] Kropp R, et al. **Prax Klin Pneumol** 1983 Nov;37(11):1178–83 (Eng. Abstr.) (Ger)
[Methylxanthine determinations (HPLC) in clinical practice—observations of serum concentrations and lung function time curves] Schmitz-Schumann M. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:918–21 (Eng. Abstr.) (Ger)
[Biochemical and pharmacologic factors in the regulation of bronchial tone and their clinical significance] Schmutzler W. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:695–9 (Eng. Abstr.) (Ger)
[Bronchoconstrictor reaction pattern of the upper respiratory tract and peripheral bronchial system] Zimmermann I, et al. **Respiration** 1984;45(3):207–18 (Eng. Abstr.) (Ger)
[Effects of platelet activating factor (PAF:AGEPC) on airway and pulmonary vascular constriction of guinea pigs—with special reference to the relation with TXA2] Hamasaki Y, et al. **Kokyu To Junkan** 1983 Jul;31(7):755–61 (Eng. Abstr.) (Jpn)
[Effect of leukotriene C4, D4 and E4 on canine airway and pulmonary circulatory systems] Ishihara Y, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Jun;21(6):534–8 (Eng. Abstr.) (Jpn)
[Increase in pulmonary resistance induced by Forssman antiserum in guinea pigs] Nakagami K, et al. **Nippon Yakurigaku Zasshi** 1983 Dec;82(6):429–41 (Eng. Abstr.) (Jpn)
[Airway reactivity in healthy subjects as a criterion of the results of bronchodilator tests in lung diseases] Kuznetsova VK, et al. **Ter Arkh** 1983;55(9):29–34 (Eng. Abstr.) (Rus)

AJMALINE

ADVERSE EFFECTS

Acute haemodynamic effects of ajmaline and prajmaline in patients with coronary heart disease. Sowton E, et al. **Eur J Clin Pharmacol** 1984;26(2):147–50
[Hepatitis due to ajmaline. Report of cases and review of the literature] Pariente EA, et al. **Gastroenterol Clin Biol** 1980 Apr;4(4):240–5 (Eng. Abstr.) (Fre)

ANALOGS & DERIVATIVES

Acute haemodynamic effects of ajmaline and prajmaline in patients with coronary heart disease. Sowton E, et al. **Eur J Clin Pharmacol** 1984;26(2):147–50
Blockade of sodium and potassium channels in the node of Ranvier by ajmaline and N-propyl ajmaline. Khodorov BI, et al. **Gen Physiol Biophys** 1983 Aug;2(4):233–68
[Evaluation with dynamic electrocardiography of the activity of prajmalium bitartrate in patients with ventricular extrasystole and prior myocardial infarct] Balboni A, et al. **Minerva Cardioangiol** 1983 Sep;31(9):523–8 (Eng. Abstr.) (Ita)
[Quinidine, sparteine sulfate and ajmaline derivative – delayed-action drugs – in the prevention of auricular fibrillation. Comparative study] Mandecki T, et al. **Pol Tyg Lek** 1983 Sep 12;38(37):1145–7 (Eng. Abstr.) (Pol)

BLOOD

Quinidine-induced rise in ajmaline plasma concentration. Hori R, et al. **J Pharm Pharmacol** 1984 Mar;36(3):202–4

DIAGNOSTIC USE

Intra-Hisian blocks of several degrees induced by the ajmaline test. Suárez LD, et al. **Am J Cardiol** 1984 May 15;53(10):1458–9
[Evaluation of the response to the ajmaline test in the diagnosis of paroxysmal atrioventricular blocks] Tonet JL, et al. **Arch Mal Coeur** 1983 Oct;76(10):1154–62 (Eng. Abstr.) (Fre)
[The ajmaline test in the association of hypertrophic cardiomyopathy and the pre-excitation syndrome] Suárez LD, et al. **Medicina (B Aires)** 1983;43(2):203–6 (Eng. Abstr.) (Spa)

PHARMACODYNAMICS

Blockade of sodium and potassium channels in the node of Ranvier by ajmaline and N-propyl ajmaline. Khodorov BI, et al. **Gen Physiol Biophys** 1983 Aug;2(4):233–68
[Effect of ajmaline on kidney function] Ul'ianov GP. **Farmakol Toksikol** 1983 Sep-Oct;46(5):52–5 (Eng. Abstr.) (Rus)
[Effect of trimecaine, ajmaline, stenopril and chloracizine on fluctuations in K+ currents in rat liver mitochondria] Chukhlova EA, et al. **Ukr Biokhim Zh** 1984 Mar-Apr; 56(2):207–10 (Eng. Abstr.) (Rus)

POISONING

Nonfatal ajmaline cardiotoxicity. Medina-Ravell V, et al. **Am J Cardiol** 1984 Mar 15;53(7):958–9

THERAPEUTIC USE

[On the effects of lorajmine on ventricular and supraventricular extrasystolic arrhythmias. Study with the Holter method] Cafiero M, et al. **Minerva Cardioangiol** 1984 Jan-Feb;32(1-2):59–66 (Eng. Abstr.) (Ita)

AKINETIC MUTISM

CHEMICALLY INDUCED

A case of akinesia induced by amoxapine. Gammon GD, et al. **Am J Psychiatry** 1984 Feb;141(2):283–4

ETIOLOGY

Akinetic mutism caused by subarachnoid haemorrhage. A case report. Ogunyemi AO. **Cent Afr J Med** 1984 Feb; 30(2):273–4, 277
[A case report of infarction of the bilateral thalamus and the midbrain] Tomimoto H, et al. **No To Shinkei** 1984 Jun; 36(6):553–7 (Eng. Abstr.) (Jpn)

RADIOGRAPHY

Computed tomographic findings in akinetic mutism. Young RS, et al. **Am J Dis Child** 1984 Feb;138(2):166–7

AKINETIC PETIT MAL see **EPILEPSY, PETIT MAL**

AKR VIRUS see under **MOUSE LEUKEMIA VIRUSES**

ALAMETHICIN see under **ANTIBIOTICS**

ALANINE

The amidating enzyme in pituitary will accept a peptide with C-terminal D-alanine as substrate. Landymore-Lim AE, et al. **Biochem Biophys Res Commun** 1983 Nov 30; 117(1):289–93
Enzymatic synthesis of [1-11C]pyruvic acid, L-[1-11C]lactic acid and L-[1-11C]alanine via DL-[1-11C]alanine. Ropchan JR, et al. **J Nucl Med** 1984 Aug;25(8):887–92

ADMINISTRATION & DOSAGE

Depolarizing responses to glycine, beta-alanine and muscimol in isolated optic nerve and cuneate nucleus. Simmonds MA. **Br J Pharmacol** 1983 Jul;79(3):799–806

ANALOGS & DERIVATIVES

High-performance liquid chromatographic separation and quantification of alanopine and strombine in crude tissue extracts. Fiore GB, et al. **Anal Biochem** 1984 Jun; 139(2):413–7
Synergistic antibacterial activity between L-norvalyl-L-1-aminoethylphosphonic acid and nocardicin A. Angehrn P, et al. **Antimicrob Agents Chemother** 1984 May;25(5):607–11
In vitro activity of fludalanine combined with pentizidone compared with those of other agents. Wise R, et al. **Antimicrob Agents Chemother** 1984 May;25(5):612–7
Nitro analogs of substrates for argininosuccinate synthetase and argininosuccinate lyase. Raushel FM. **Arch Biochem Biophys** 1984 Aug 1;232(2):520–5
Alaproclate: further pharmacological evidence for 5-HT uptake inhibition in vivo. Rawłów A, et al. **Arch Int Pharmacodyn Ther** 1983 Oct;265(2):219–29
2 Methylene-beta-alanine methyl ester: a toxic amino acid originating from the sponge Fasciospongia cavernosa. Neeman I. **Arch Toxicol [Suppl]** 1983;6:258–60
Inactivation of glucosamine-6-phosphate synthetase from Salmonella typhimurium LT 2 SL 1027 by N beta-fumarylcarboxyamido-L-2,3-diamino-propionic acid. Chmara H, et al. **Biochem Biophys Res Commun** 1984 May 16;120(3):865–72
Enzyme-activated inhibition of bacterial D-amino acid transaminase by beta-cyano-D-alanine. Ueno H, et al. **Biochem Biophys Res Commun** 1984 Jul 31;122(2):485–91
Iron-bleomycin-deoxyribonucleic acid system. Evidence of deoxyribonucleic acid interaction with the alpha-amino group of the beta-aminoalanine moiety. Albertini JP, et al. **Biochemistry** 1984 Jan 3;23(1):47–53
The inactivation of glucosamine synthetase from bacteria by anticapsin, the C-terminal epoxyamino acid of the antibiotic tetaine. Chmara H, et al. **Biochim Biophys Acta** 1984 May 31;787(1):45–52
Fluorinated alpha-methylamino acids as 19F NMR indicators of intracellular pH. Taylor JS, et al. **Biophys J** 1983 Sep; 43(3):261–7
Effects of alaproclate and morphine on the ventilatory response to carbon dioxide in normal man. Calverley PM, et al. **Br J Anaesth** 1983 Sep;55(9):843–7
N-Isovalerylalanine and N-isovalerylsarcosine: two new minor metabolites in isovaleric acidemia. Lehnert W. **Clin Chim Acta** 1983 Oct 31;134(1-2):207–12
Acetyl-blocked N-terminal structures of sorbitol and aldehyde dehydrogenases. Fairwell T, et al. **FEBS Lett** 1984 May 21;170(2):281–9
Determination of meso-alanopine and D-strombine by high pressure liquid chromatography in extracts from marine invertebrates. Siegmund B, et al. **Hoppe Seylers Z Physiol Chem** 1983 Jul;364(7):807–12
Influence of sarcosine or N-methylalanine in position 7 on the antagonistic properties of [1-deaminopenicillamine]- and [1-(beta-mercapto-beta, beta-cyclopentylmethylene-propionic acid)]-vasopressin. Gazis D, et al. **Int J Pept Protein Res** 1984 Jan;23(1):78–83
Synthesis and 19F spectra of tetra-L-alanine analogs containing selectively incorporated 3-fluoro-L-alanine residues. Mitra AK, et al. **Int J Pept Protein Res** 1983 Oct; 22(4):495–501
Inhibition of glucosamine-6-phosphate synthetase from bacteria by anticapsin. Chmara H, et al. **J Antibiot (Tokyo)** 1984 Jun;37(6):652–8
Antibacterial activity and uptake into Escherichia coli of backbone-modified analogues of small peptides. Morley JS, et al. **J Gen Microbiol** 1983 Dec;129 (Pt 12):3701–8
Chloralanyl and propargylglycyl dipeptides. Suicide substrate containing antibacterials. Cheung KS, et al. **J Med Chem** 1983 Dec;26(12):1733–41
Synthesis of a novel class of heteroaromatic amino acids and their use in the preparation of analogues of luteinizing hormone-releasing hormone. Nestor JJ Jr, et al. **J Med Chem** 1984 Mar;27(3):320–5
Synthesis and biological evaluation of radiolabeled beta-ruthenocenylalanine. Soine WH, et al. **J Med Chem** 1984 Jun;27(6):803–6
Stereoselective aminoacylation of a dinucleoside monophosphate by the imidazolides of DL-alanine and N-(tert-butoxycarbonyl)-DL-alanine. Profy AT, et al. **J Mol Evol** 1984;20(2):147–56
Alaproclate, a new selective 5-HT uptake inhibitor with therapeutic potential in depression and senile dementia. Ogren SO, et al. **J Neural Transm** 1984;59(4):265–88
Clinical evaluation of Tc-99m N,N'-bis(mercaptoacetyl)-2,3-diaminopropanoate as a replacement for I-131 hippurate: concise communication. Klingensmith WC 3d, et al. **J Nucl Med** 1984 Jan;25(1):42–8
N,N'-bis(S-benzoylmercaptoacetamido) ethylenediamine and propylenediamine ligands as renal function imaging

agents. I. Alternate synthetic methods. Schneider RF, et al. **J Nucl Med** 1984 Feb;25(2):223–9

A mutagenic metabolite synthesized by Salmonella typhimurium grown in the presence of azide is azidoalanine. Owais WM, et al. **Mutat Res** 1983 Sep;118(4):229–39

3-Chloro-D-alanine chloride-lyase (deaminating) of Pseudomonas putida CR 1-1. Nagasawa T, et al. **Prog Clin Biol Res** 1984;144A:365–75

Alaproclate—an open clinical study in depressive illness. Frost SJ, et al. **Psychopharmacology (Berlin)** 1984; 83(3):285–7

[Use of cytochemical methods for diagnosis in fungicide research] Müller HM, et al. **Acta Histochem [Suppl] (Jena)** 1984;30:347–51 (Eng. Abstr.) **(Ger)**

[Effect of metalaxyl on the synthesis of RNA, DNA and protein in Phytophthora nicotianae] Wollgiehn R, et al. **Z Allg Mikrobiol** 1984;24(4):269–79 (Eng. Abstr.) **(Ger)**

[Effects of combined administration of DL-3-pyridylalanine and 5-hydroxy-L-tryptophan on brain and peripheral tissue serotonin contents in rats] Shimeno H, et al. **Yakugaku Zasshi** 1983 May;103(5):544–52 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Hb F-Calluna or alpha 2 gamma 2(12 Thr replaced by Arg; 75Ile; 136Ala) in a Caucasian baby. Nakatsuji T, et al. **Hemoglobin** 1983;7(6):563–6

Hemoglobin Collingwood beta 60 (E4) Val replaced by Ala. A new unstable hemoglobin. Williamson D, et al. **Hemoglobin** 1983;7(6):511–9

Determination of alanine, lactate, pyruvate, beta-hydroxybutyrate, and acetoacetate by flow injection analysis (FIA). Weicker H, et al. **Int J Sports Med** 1984 Feb;5(1):47–54

BIOSYNTHESIS

A mutagenic metabolite synthesized by Salmonella typhimurium grown in the presence of azide is azidoalanine. Owais WM, et al. **Mutat Res** 1983 Sep;118(4):229–39

BLOOD

Effects of epinephrine infusion on leucine and alanine kinetics in humans. Miles JM, et al. **Am J Physiol** 1984 Aug;247(2 Pt 1):E166–72

Red-cell amino acid transport. Evidence for the presence of system ASC in mature human red blood cells. Young JD, et al. **Biochem J** 1983 Nov 15;216(2):349–57

Tracer kinetic studies of glucose and alanine metabolism in diabetic dogs on the artificial beta cell. Freyse EJ, et al. **Biomed Biochim Acta** 1984;43(5):607–14

Rates of entry of alanine and glycerol and their contribution to glucose synthesis in fasted chickens. Emmanuel B, et al. **Br Poult Sci** 1983 Oct;24(4):565–71

Transient lactic acidosis and hyperalaninaemia associated with neonatal hyperinsulinaemic hypoglycaemia: the effects of dichloroacetate (DCA). Aynsley-Green A, et al. **Eur J Pediatr** 1983 Dec;141(2):114–7

Increased proteolysis. An effect of increases in plasma cortisol within the physiologic range. Simmons PS, et al. **J Clin Invest** 1984 Feb;73(2):412–20

6-azauridine triacetate induced hyper beta-alaninemia and its decrease by administration of pyridoxine. Slavik M, et al. **J Nutr Sci Vitaminol (Tokyo)** 1983 Oct;29(5):631–5

CHEMICAL SYNTHESIS

Synthesis and biological evaluation of radiolabeled beta-ruthenocenylalanine. Soine WH, et al. **J Med Chem** 1984 Jun;27(6):803–6

ISOLATION & PURIFICATION

Proline- and alanine-rich N-terminal extension of the basic bovine beta-crystallin B1 chains. Berbers GA, et al. **FEBS Lett** 1983 Sep 19;161(2):225–9

METABOLISM

Mechanisms of transport of L-histidine and beta-alanine in hamster small intestine. Navab F, et al. **Am J Physiol** 1984 Jul;247(1 Pt 1):G43–51

Volume-regulatory K+ efflux during concentrative uptake of alanine in isolated rat hepatocytes. Kristensen LO, et al. **Biochem J** 1984 Jul 1;221(1):265–8

Lactate, alanine and glutamine metabolism in isolated canine pup liver cells. Martin G, et al. **Biochim Biophys Acta** 1983 Oct 18;760(2):230–7

Hypothesis: control of hepatic utilization of alanine by membrane transport or by cellular metabolism? Review. Christensen HN. **Biosci Rep** 1983 Oct;3(10):905–13

Amino acid transport systems in growing mouse oocytes. Colonna R, et al. **Cell Biol Int Rep** 1983 Dec;7(12):1007–15

Changes of alanine-sodium co-transport during maturation of Xenopus laevis oocytes. Jung D, et al. **Cell Biol Int Rep** 1983 Sep;7(9):697–707

Transport of neutral amino acids by adult articular cartilage. Byers S, et al. **Connect Tissue Res** 1983;11(4):321–30

Effects of VIP and forskolin on alanine metabolism in isolated hepatocytes. Leiser J, et al. **FEBS Lett** 1984 Aug 6; 173(2):407–13

On the dehydration of (R)-lactate in the fermentation of alanine to propionate by Clostridium propionicum. Schweiger G, et al. **FEBS Lett** 1984 Jun 4;171(1):79–84

Liver and kidney cortex gluconeogenesis from L-alanine in fed and starved rats. Zorzano A, et al. **Int J Biochem** 1984; 16(3):263–7

Isotopic determination of amino acid-urea interactions in exercise in humans. Wolfe RR, et al. **J Appl Physiol** 1984 Jan;56(1):221–9

A purified alanine carrier composed of a single polypeptide from thermophilic bacterium PS3 driven by either proton or sodium ion gradient. Hirata H, et al. **J Biol Chem** 1984 Sep 10;259(17):10653–6

(Na,K)-ATPase-mediated cation pumping in cultured rat hepatocytes. Rapid modulation by alanine and taurocholate transport and characterization of its relationship to intracellular sodium concentration. Van Dyke RW, et al. **J Biol Chem** 1983 Nov 10;258(21):12912–9

Localisation of alanine uptake by cultured renal epithelial cells (LLC-PK1) to the basolateral membrane. Sepúlveda FV, et al. **J Cell Physiol** 1984 Feb;118(2):211–7

Beta-alanine transport in the isolated hepatocytes of the elasmobranch Raja erinacea. Shuttleworth TJ, et al. **J Exp Zool** 1984 Jul;231(1):39–44

Sodium-alanine cotransport in oocytes of Xenopus laevis: correlation of alanine and sodium fluxes with potential and current changes. Jung D, et al. **J Membr Biol** 1984; 78(1):29–34

Alanine uptake and release by sympathetic ganglia of chicken embryos. Larrabee MG. **J Neurochem** 1984 Sep; 43(3):816–29

Thyroxine-induced changes in the development of neutral alpha-amino acid transport systems of rat brain. Riggs TR, et al. **J Neurochem** 1984 May;42(5):1260–8

High affinity (3H) beta-alanine uptake by scar margins of ferric chloride-induced epileptogenic foci in rat isocortex. Robitaille Y, et al. **J Neuropathol Exp Neurol** 1984 Jul; 43(4):376–83

Interorgan relationships of alanine and glutamine during fasting in the conscious dog. Miller BM, et al. **J Surg Res** 1983 Oct;35(4):310–8

gamma-vinyl GABA, and GABA and beta-alanine transamination [letter] **Lancet** 1984 Mar 31;1(8379):737–8

Preliminary report: the effects of acute acidosis on alanine and glucose metabolism across the liver, gut, kidney, and muscle in the dog. Fine A. **Metabolism** 1983 Apr; 32(4):317–9

beta-Alanine transport into plasma membrane vesicles derived from rat brain synaptosomes. Zafra F, et al. **Neurochem Res** 1984 May;9(5):695–707

PHARMACODYNAMICS

Luminal and peritubular ionic substitutions and intracellular potential of the rabbit proximal convoluted tubule. Cardinal J, et al. **Am J Physiol** 1984 Aug;247(2 Pt 2):F352–64

A double-isotope method for the measurement of ketone-body turnover in the rat. Effect of L-alanine. Reed WD, et al. **Biochem J** 1984 Apr 1;219(1):15–24

Relation between D-glucose and L- and D-alanine in the initiation of germination of Bacillus subtilis spore. Yasuda Y, et al. **Microbiol Immunol** 1984;28(2):197–207

The effects of L-alanine and acetylcholine on membrane potential, 45Ca2+ and 86Rb+ efflux and amylase secretion in the isolated mouse pancreas. Singh J, et al. **Q J Exp Physiol** 1984 Jul;69(3):531–40

PHYSIOLOGY

The stimulation of hepatic gluconeogenesis by acetoacetate precursors. A role for the monocarboxylate translocator. Patel TB, et al. **J Biol Chem** 1984 Jun 25;259(12):7525–31

Requirement for alanine in the amino acid control of deprivation-induced protein degradation in liver. Pösö AR, et al. **Proc Natl Acad Sci USA** 1984 Jul;81(14):4270–4

Studies on the self inactivation of rabbit brain GABA transaminase by beta-alanine. Fowler LJ, et al. **Prog Clin Biol Res** 1984;144B:67–75

URINE

Omega-aminoaciduria induced by gamma-vinyl GABA [letter] Brandt NJ, et al. **Lancet** 1984 Feb 25;1(8374):450–1

ALANINE AMINOTRANSFERASE

ANALYSIS

Microbiochemical approach to liver cell heterogeneity around terminal hepatic venules. Hildebrand R. **Histochemistry** 1983;78(4):539–44

Tissue specific alteration of aminotransferases and total ATPases in the fish (Tilapia mossambica) under methyl parathion impact. Prasada Rao KS, et al. **Toxicol Lett** 1984 Jan;20(1):53–7

ANTAGONISTS & INHIBITORS

Enzyme-activated inhibition of bacterial D-amino acid transaminase by beta-cyano-D-alanine. Ueno H, et al. **Biochem Biophys Res Commun** 1984 Jul 31;122(2):485–91

Selective inhibition of alanine aminotransferase and aspartate aminotransferase in rat hepatocytes. Cornell NW, et al. **Biochem J** 1984 Jun 15;220(3):707–16

BLOOD

Heparin-induced increase in serum levels of aminotranferases. A controlled clinical trial. Nielsen HK, et al. **Acta Med Scand** 1984;215(3):231–3

Serum aminotransferase activities in sickle cell children during crises. Osifo BO, et al. **Acta Trop (Basel)** 1984 Jun; 41(2):173–9

Glutamic-oxalacetic transaminase (SGOT) and glutamic-pyruvic transaminase (SGPT) in newborns in relation to the gestational age. Zanardo V, et al. **Acta Vitaminol Enzymol** 1983;5(3):185–91

Elevated SGOT/SGPT ratio in alcoholic patients with acetaminophen hepatotoxicity. Himmelstein DU, et al. **Am J Gastroenterol** 1984 Sep;79(9):718–20

Diet-induced changes in serum transaminase and triglyceride levels in healthy adult men. Role of sucrose and excess calories. Porikos KP, et al. **Am J Med** 1983 Oct; 75(4):624–30

Serum gamma-glutamyl transpeptidase activity in healthy cats and cats with induced hepatic disease. Spano JS, et al. **Am J Vet Res** 1983 Nov;44(11):2049–53

Transaminase elevations in patients receiving bovine or porcine heparin. Dukes GE Jr, et al. **Ann Intern Med** 1984 May;100(5):646–50

Effect of subtoxic amounts of furan, acetylfuran and methylene chloride on some serum enzymes of rat. Corsi GC, et al. **Boll Soc Ital Biol Sper** 1983 Aug 30;59(8):1049–52

Comparison of pyridoxal phosphate-supplemented reagent kits for alanine aminotransferase using centrifugal analysis. Sedor FA, et al. **Clin Biochem** 1984 Jun;17(3):175–8

Abnormal alanine aminotransferase level in blood units from donors in Montreal does not indicate high risk of transmitting hepatitis. Steinbrecher UP, et al. **Clin Invest Med** 1983;6(4):327–30

L-alpha-acetylmethadol-induced tissue alterations in mice. James RC, et al. **Drug Chem Toxicol** 1984;7(1):91–112

The pattern of gamma-glutamyl transpeptidase, alkaline phosphatase, serum glutamyl oxalate transaminase and serum glutamyl pyruvate transaminase in patients with disseminated non-seminomatous testicular tumors. van 't Sant P, et al. **Eur J Cancer Clin Oncol** 1984 Feb; 20(2):209–15

The effect of repeated administration of L-thyroxine on the activity of certain enzymes in the blood plasma of hens. Majewska H, et al. **Exp Clin Endocrinol** 1983 Nov; 82(3):320–4

Elevated serum transaminase as a presenting clue for precirrhotic hemochromatosis. Kobylak LJ. **Henry Ford Hosp Med J** 1984;32(1):46–7

The value of enzyme leakage for the prediction of necrosis in liver ischemia. Frederiks WM, et al. **Histochemistry** 1983; 78(4):459–72

A two-year longitudinal reference range study for selected serum enzymes in a population more than 60 years of age. Tietz NW, et al. **J Am Geriatr Soc** 1984 Aug;32(8):563–70

Biochemical studies in cases of childhood liver cirrhosis. Khalifa AA, et al. **J Egypt Soc Parasitol** 1983 Dec; 13(2):533–8

Strategies for detection of transfusion-transmitted viruses eluding identification by conventional serologic tests. II. Detection of host DNA in human plasmas with elevated alanine aminotransferase. Neurath AR, et al. **J Virol Methods** 1984 Feb;8(1-2):73–86

Transaminase, hepatitis B, and prognosis in acute nonlymphoblastic leukemia [letter] van den Ouweland FA, et al. **N Engl J Med** 1983 Oct 20;309(16):990

Carbon tetrachloride (CCl4) levels and serum activities of liver enzymes following acute CCl4 intoxication. Teschke R, et al. **Toxicol Lett** 1983 Jun;17(1-2):175–80

Mercuric chloride stress on serum transaminase activity in Notopterus notopterus. Verma SR, et al. **Toxicol Lett** 1984 Jan;20(1):49–52

[Comparative studies in the determination of GOT and GPT with the Fermognost kits for manual and automatic analysis] Danev S, et al. **Vutr Boles** 1983;22(3):99–103 **(Bul)**

[Effect of a controlled regimen of pyridoxol hydrochloride on the liver content of vitamin B6 and on the transaminase activities of erythrocytes in rats] Lequeu B, et al. **C R Soc Biol (Paris)** 1984;178(1):98–104 (Eng. Abstr.) **(Fre)**

[Comparison of serum AST, ALT, AP and GGT activities in the diagnosis of liver diseases in dogs] Kraft W, et al. **Berl Munch Tierarztl Wochenschr** 1983 Dec 1;96(12):421–31 (Eng. Abstr.) **(Ger)**

[Effect of the intake of a small quantity of ethanol on the determination of the serum enzymes ALAT, ASAT and gamma-GT in normal subjects] Köhler P, et al. **Z Med Lab Diagn** 1984;25(2):76–80 (Eng. Abstr.) **(Ger)**

[Relation between postoperative serum GOT, GPT, and LDH activities and succinylcholine administered during anesthesia in children] Inagaki M, et al. **Masui** 1983 Sep; 32(9):1075–80 (Eng. Abstr.) **(Jpn)**

[Methods of serum enzyme determination and its clinical significance: GOT and GPT] Ohkubo A. **Rinsho Byori** 1983 Jun;Suppl 55:115–33 **(Jpn)**

[Serum alanine aminotransferase, aspartate aminotransferase and beta-glucuronidase in petroleum refining workers exposed to hydrocarbons] Scianowski J, et al. **Przegl Lek** 1983;40(7):587–90 (Eng. Abstr.) **(Pol)**

[Effect of 6-methyluracil on lipid metabolic indices and enzyme activity during ether and fluorothan anesthesia in

children] Bilich GL, et al. **Anesteziol Reanimatol** 1984 Mar–Apr;(2):27–30 (Eng. Abstr.) **(Rus)**

[Species differences and seasonal fluctuations in the enzyme activity of the blood in experimental animals] Laricheva NI, et al. **Fiziol Zh** 1984 Mar–Apr;30(2):191–4 (Eng. Abstr.) **(Rus)**

[Enzymes of energy metabolism in modeling of various factors of space flight] Kalandarov S, et al. **Kosm Biol Aviakosm Med** 1983 Sep–Oct;17(5):49–51 (Eng. Abstr.) **(Rus)**

[Improvements in the standardized method of determining alanine aminotransferase activity in serum] Gromova GK, et al. **Lab Delo** 1983;(10):28–30 (Eng. Abstr.) **(Rus)**

[Maternal and fetal serum aminotransferase and aldolase activities in chronic fetoplacental insufficiency] Goriachev VV. **Sov Med** 1984;(4):48–51 (Eng. Abstr.) **(Rus)**

[Aminotransferases in mice infected with a virulent strain of Toxoplasma gondii] Nemec R, et al. **Bratisl Lek Listy** 1983 Jul;80(1):41–4 (Eng. Abstr.) **(Slo)**

GENETICS

Glutamate pyruvate transaminase null allele in seven new families. Sparkes MC, et al. **Hum Genet** 1983;65(2):147–8

Human red cell glutamic–pyruvic transaminase polymorphism in Serbia, Yugoslavia. Kalimanovska V, et al. **Hum Hered** 1983;33(5):319–21

Genetic polymorphism of red cell enzymes (AcP, EsD, GPT, 6–PGD) and of serum protein(Gc) in Fukushima Prefecture. Abe S. **Jinrui Idengaku Zasshi** 1983 Sep; 28(3):195–200

METABOLISM

The effect of natural training and electrostimulation on changes of alanine transaminase and aspartate transaminase activity in rat skeletal muscles. Flisińska–Bojanowska A, et al. **Acta Physiol Pol** 1983 Mar–Apr;34(2):249–56

The effect of vitamin B6 deficiency on alanine: glyoxylate aminotransferase isoenzymes in rat liver. Takada Y, et al. **Arch Biochem Biophys** 1984 Feb 15;229(1):1–6

The influence of dietary methionine, protein, and energy levels on glutamic–oxalacetate and glutamic–pyruvate transaminases of chicken. Amubode FO, et al. **Beitr Trop Landwirtsch Veterinarmed** 1984;22(2):193–200

Effect of glucagon on alanine 2–oxoglutarate aminotransferase. Banerjee RB, et al. **Biochem Biophys Res Commun** 1983 Sep 15;115(2):506–11

Enzymatic and immunological comparison of alanine: glyoxylate aminotransferases from different fish and mammalian livers. Noguchi T, et al. **Comp Biochem Physiol [B]** 1984;77(2):279–83

Alanine and aspartate aminotransferases in normal and denervated skeletal muscle. Asotra K, et al. **Experientia** 1984 Sep 15;40(9):951–3

Relationship between pyridoxal 5'–phosphate deficiency and aminotransferase levels in alcoholic hepatitis. Diehl AM, et al. **Gastroenterology** 1984 Apr;86(4):632–6

Serum and muscle alanine aminotransferase activities in marathon runners [letter] Apple FS, et al. **JAMA** 1984 Aug 3;252(5):626–7

Alanine aminotransferase in the rat nervous system during the postnatal development referring to the glutamate transmitter metabolism. Rothe F, et al. **Neurochem Res** 1984 May;9(5):661–8

Effects of radiocalcium (45Ca) on murine skeletal muscle. III. Changes in alanine and aspartate aminotransferases. Malhotra RK, et al. **Radiobiol Radiother (Berl)** 1983; 24(3):403–7

[Liver enzyme activity before and after surgical treatment of stomach cancer] Aleksandrovich GL, et al. **Khirurgiia (Mosk)** 1984 Jun;(6):18–21 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Increased serum enzyme activity in microwave–exposed rats. Lu ST, et al. **Radiat Res** 1983 Oct;96(1):152–9

URINE

[Separation of alanine aminopeptidase, alkaline phosphatase and gamma–glutamyltransferase of the urine into their multiple forms by electrophoresis and ultracentrifugation] Wischke UW, et al. **Z Med Lab Diagn** 1983;24(8):474–5 **(Ger)**

ALANINE RACEMASE see under **AMINO ACID ISOMERASES**

ALANYL T RNA SYNTHETASE see under **AMINO ACYL T RNA SYNTHETASES**

ALASTRIM see under **SMALLPOX**

ALBERS–SCHOENBERG DISEASE see **OSTEOPETROSIS**

ALBINISM

see related
CHEDIAK–HIGASHI SYNDROME

Curiosa paediatrica VIII: Infans bicolor. James T. **S Afr Med J** 1984 Feb 18;65(7):265–6

BLOOD

Isolation and purification of ceruloplasmin in oculocutaneous albinism, Menkes' disease, Wilson's disease and pregnant women. Mallet B, et al. **Clin Chim Acta** 1983 Aug 31; 132(3):245–56

COMPLICATIONS

Albinotic characteristics in congenital nystagmus [letter] Romanchuk KG. **Am J Ophthalmol** 1984 Jul 15;98(1):121–3

Albinotic characteristics in congenital nystagmus. Simon JW, et al. **Am J Ophthalmol** 1984 Mar;97(3):320–7

Hermansky–pudlak syndrome and interstitial lung disease: report of a case with lavage findings. White DA, et al. **Am Rev Respir Dis** 1984 Jul;130(1):138–41

Pigmentary glaucoma in a black albino. Weber PA, et al. **Ann Ophthalmol** 1983 May;15(5):454–5

Atypical sensory nystagmus and its surgical management. Flanders M, et al. **Can J Ophthalmol** 1983 Dec;18(7):349–51

Color vision in albino subjects. Lourenço PE, et al. **Doc Ophthalmol** 1983 Sep 30;55(4):341–50

[Albinism and hemorrhagic disease. Hermansky and Pudlak syndrome. Presentation of a case] Gamboa–Marrufo JD, et al. **Bol Med Hosp Infant Mex** 1984 Jan;41(1):53–5 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Monochromatic fundus photography of human albinos. Abadi RV, et al. **Arch Ophthalmol** 1983 Nov; 101(11):1706–11

Albinism: phenotype or genotype? van Dorp DB, et al. **Doc Ophthalmol** 1983 Dec 15;56(1–2):183–94

FAMILIAL & GENETIC

Genetic studies of ocular albinism in a large Virginia kindred. Szymanski KA, et al. **Ann Ophthalmol** 1984 Feb; 16(2):183–5, 188–91, 194–6 passim

Albinism in the South African Negro. III. Genetic counselling issues. Kromberg JG, et al. **J Biosoc Sci** 1984 Jan;16(1):99–108

Mice homozygous for chromosomal deletions at the albino locus region lack specific polypeptides in two–dimensional gels. Baier LJ, et al. **Proc Natl Acad Sci USA** 1984 Apr; 81(7):2132–6

Localization of cloned mouse chromosome 7–specific DNA to lethal albino deletions. Disteche CM, et al. **Somatic Cell Mol Genet** 1984 May;10(3):211–5

Hereditary puzzles in albinism: heterogeneity or phenotypical variation? Taylor WO. **Trans Ophthalmol Soc UK** 1983;103 (Pt 3):318–30

[Hermansky–Pudlak syndrome in a Valais village] Lattion F, et al. **Helv Paediatr Acta** 1983 Dec;38(5–6):495–512 (Eng. Abstr.) **(Fre)**

[Carrier state in X–linked ocular albinism: a proof of the validity of Lyon's hypothesis in man] Rott HD, et al. **Klin Monatsbl Augenheilkd** 1984 Feb;184(2):128–9 (Eng. Abstr.) **(Ger)**

[Familial syndrome of microcephaly with oculocutaneous albinism and digital anomalies] Castro–Gago M, et al. **An Esp Pediatr** 1983 Aug;19(2):128–31 (Eng. Abstr.) **(Spa)**

METABOLISM

A comparative study of tryptophan metabolism in skins and livers of black and albino rats. Chakraborty C, et al. **Experientia** 1984 Apr 15;40(4):363

Copper metabolism study in oculocutaneous albinism. Silverstone B, et al. **Metab Pediatr Syst Ophthalmol** 1983; 7(2):95–9

Albinism in blacks—aberrant circadian plasma immunoreactive melatonin levels [letter] Oosthuizen JM, et al. **S Afr Med J** 1983 Oct 15;64(17):651–2

[Oculo–cutaneous tyrosinase–positive albinism] Bazex J, et al. **Ann Dermatol Venereol** 1982;109(6–7):573–6 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Tapetum lucidum in the pigmented and albino ferret. Tjälve H, et al. **Exp Eye Res** 1984 Apr;38(4):341–51

Histopathological changes of the retina and optic nerve in the albino mutant quail (Coturnix coturnix japonica). Takatsuji K, et al. **J Comp Pathol** 1984 Jul;94(3):387–404

Hermansky–Pudlak syndrome with special reference to lysosomal dysfunction. A case report and review of the literature. Takahashi A, et al. **Virchows Arch [A]** 1984; 402(3):247–58

[Skin changes in albinism in persons of the Negroid race (light– and electron–microscopy studies] Semkin VI, et al. **Arkh Patol** 1984;46(6):52–6 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Eye movements of human albinos. St. John R, et al. **Am J Optom Physiol Opt** 1984 Jun;61(6):377–85

Two spatio–temporal filters in human vision. 2. Selective modification in amblyopia, albinism, and hemianopia. Grounds AR, et al. **Biol Cybern** 1983;47(3):191–201

Visual acuity development in tyrosinase negative oculocutaneous albinism. Jacobson SG, et al. **Doc Ophthalmol** 1984 Feb 29;56(4):337–44

Component specificity in albino VEP asymmetry: maturation of the visual pathway anomaly. Apkarian P, et al. **Exp Brain Res** 1984;53(2):285–94

Vestibulo–ocular and optokinetic deficits in albinos with congenital nystagmus. Demer JL, et al. **Invest Ophthalmol Vis Sci** 1984 Jun;25(6):739–45

Investigation of visual pathway abnormalities in human albinos. Boylan C, et al. **Ophthalmic Physiol Opt** 1983; 3(3):273–85

VETERINARY

Origin of white tigers at Nandankanan Biological Park, Orissa. Roychoudhury AK, et al. **Indian J Exp Biol** 1983 Jun;21(6):350–2

Maltese dilution of domestic cats. A generalized cutaneous albinism lacking ocular involvement. Prieur DJ, et al. **J Hered** 1984 Jan–Feb;75(1):41–4

ALBUMINS

A carbodiimide–assisted coupling of albumin to agarose. Moonswami E, et al. **Ann Clin Biochem** 1984 Jan;21 (Pt 1):57–8

Albumin coating of a knitted polyester arterial prosthesis: an alternative to preclotting. Guidoin R, et al. **Ann Thorac Surg** 1984 Jun;37(6):457–65

The major albumin proteins from pea (Pisum sativum L). Purification and some properties. Croy RR, et al. **Biochem J** 1984 Mar 15;218(3):795–803

Importance of albumin binding in the assay for carnitine palmitoyltransferase. McCormick K, et al. **Biochem J** 1983 Nov 15;216(2):495–8

A modified azoalbumin technique for the assay of proteolytic enzymes for use in blood group serology. Phillips PK, et al. **J Clin Pathol** 1984 Mar;37(3):329–31

ADMINISTRATION & DOSAGE

Effects of plasma volume expansion on renal salt handling in patients with the nephrotic syndrome. Koomans HA, et al. **Am J Nephrol** 1984;4(4):227–34

Effect of albumin resuscitation on canine coagulation activity and content. Leibold WC, et al. **Ann Surg** 1983 Nov; 198(5):630–3

Hydroxyethyl starch versus albumin for colloid infusion following cardiopulmonary bypass in patients undergoing myocardial revascularization. Kirklin JK, et al. **Ann Thorac Surg** 1984 Jan;37(1):40–6

Effects of acute plasma volume expansion on altering exercise–heat performance. Sawka MN, et al. **Eur J Applied Physiol** 1983;51(3):303–12

ANALYSIS

Humoral defence factors in the breast milk of Ethiopian women with leprosy and healthy controls. Duncan ME, et al. **Am J Clin Nutr** 1983 Dec;38(6):921–8

The effect of timolol on the concentrations of albumin and IgG in the aqueous humor of the human eye. Stur M, et al. **Am J Ophthalmol** 1983 Dec;96(6):726–9

Protein concentration of lymph and interstitial fluid in the rat tail. Aukland K, et al. **Am J Physiol** 1984 Jul;247(1 Pt 2):H74–9

Quantitation of human immunoglobulin G and albumin in electroimmunodiffusion gels containing ionic and nonionic detergents. Shapshak P, et al. **Anal Biochem** 1983 Jul 15; 132(2):305–11

Immunocytochemistry of albumin in hepatocytes after overnight starvation and during a diurnal cycle in young rats. LeBouton AV. **Anat Rec** 1984 May;209(1):67–75

Immunohistochemical studies on alpha–fetoprotein– and albumin–containing cells in the liver during ontogenesis and early stage of 3'–Me–DAB hepatocarcinogenesis. Dempo K, et al. **Ann NY Acad Sci** 1983;417:195–202

Immunoelectrophoretic demonstration of albumin in breast cancer. Gómez P, et al. **Arch Invest Med (Mex)** 1983; 14(3):241–5 **(Eng, Spa)**

Albumin localization in rat liver parenchymal cells. Brands R, et al. **Eur J Cell Biol** 1983 Nov;32(1):99–107

A method for isolation, characterization, and quantitation of soluble proteins in uterine cervical secretion. Fleetwood L, et al. **Gynecol Obstet Invest** 1984;17(1):40–6

Changes in soluble proteins in cervical mucus during midcycle in normally menstruating women. Fleetwood L, et al. **Gynecol Obstet Invest** 1984;18(1):27–33

Effects of repeated sampling on the properties of the cervical mucus during one day at midcycle. Fleetwood L, et al. **Gynecol Obstet Invest** 1984;18(1):34–9

Quantitative determination of the stabilizers octanoic acid and N–acetyl–DL–tryptophan in human albumin products. Yu MW, et al. **J Pharm Sci** 1984 Jan;73(1):82–6

Major albumins of Pisum cotyledons. Schroeder HE. **J Sci Food Agric** 1984 Feb;35(2):191–8

Protein electrophoresis of diagnostic peritoneal lavage in penetrating bowel injuries. Bar–Or D, et al. **JAMA** 1983 Dec 16;250(23):3199–200

Interstitial albumin mass and transcapillary extravasation rate of albumin in DMBA–induced rat mammary tumours. Reed RK, et al. **Scand J Clin Lab Invest** 1983 Oct;43(6):503–12

[Significance of the albumin content for axillary metastasis in breast cancer] Etzrodt A, et al. **Geburtshilfe Fraunheilkd** 1983 Nov;43(11):670–3 (Eng. Abstr.) **(Ger)**

[Changes in the albumin and globulin fractions in seeds of

Pinus pinea during artificial aging] González-Juliá B, et al. **Rev Esp Fisiol** 1983 Dec;39(4):409–15 (Eng. Abstr.) **(Spa)**

BIOSYNTHESIS

Long term production of acute-phase proteins by adult rat hepatocytes co-cultured with another liver cell type in serum-free medium. Guillouzo A, et al. **Biochem Biophys Res Commun** 1984 Apr 30;120(2):311–7

Effect of corynetoxin isolated from parasitized annual ryegrass on albumin and transferrin synthesis and secretion by cultured fetal rat hepatocytes. Yeoh GC, et al. **Exp Cell Res** 1984 Apr;151(2):421–32

Effect of simian virus 40 infection on albumin production by hepatocytes cultured in chemically defined medium and plated on collagen and non-collagen attachment surfaces. Georgoff I, et al. **J Biol Chem** 1984 Aug 10; 259(15):9595–602

Changes in collagen and albumin mRNA in liver tissue of mice infected with Schistosoma mansoni as determined by in situ hybridization. Saber MA, et al. **J Cell Biol** 1983 Oct;97(4):986–92

Effects of chronic renal failure on protein synthesis and albumin messenger ribonucleic acid in rat liver. Zern MA, et al. **J Clin Invest** 1984 Apr;73(4):1167–74

Changes in hamster liver albumin synthesis during the development of cardiomyopathy. Steggles AW, et al. **Virchows Arch [Cell Pathol]** 1984;45(4):331–8

CEREBROSPINAL FLUID

Agarose electrophoresis and immunonephelometric quantitation of cerebrospinal fluid immunoglobulins: criteria for application in the diagnosis of neurologic disease. Pearl GS, et al. **Am J Clin Pathol** 1984 May; 81(5):575–80

Albumin and immunoglobulin in plasma and cerebrospinal fluid, and blood-cerebrospinal fluid barrier function in patients with dementia of Alzheimer type and multi-infarct dementia. Alafuzoff I, et al. **J Neurol Sci** 1983 Aug–Sep; 60(3):465–72

Immunoelectrophoretic determination of albumin and IgG in serum and cerebrospinal fluid in dogs with neurological diseases. Bichsel P, et al. **Res Vet Sci** 1984 Jul;37(1):101–7

GENETICS

Selective detection of rat and mouse specific albumin and alpha-fetoprotein mRNA molecules under highly stringent hybridization conditions. Sellem CH, et al. **Arch Biochem Biophys** 1984 Feb 15;229(1):226–36

Polymorphisms of human albumin gene after DNA restriction by HaeIII endonuclease. de Souza SL, et al. **Hum Genet** 1984;67(1):48–51

Selective block of albumin gene expression in chick embryo hepatocytes cultured without hormones and its partial reversal by insulin. Plant PW, et al. **J Biol Chem** 1983 Dec 25;258(24):15355–60

Evolution of the albumin: alpha-fetoprotein ancestral gene from the amplification of a 27 nucleotide sequence. Alexander F, et al. **J Mol Biol** 1984 Feb 25;173(2):159–73

Albumin extinction without methylation of its gene. Ott MO, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(6):1738–41

IMMUNOLOGY

Hepatitis B surface antigen and polymerized albumin binding activity in sheep serum. Franklin SG, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(2):564–7

METABOLISM

Albumin homeostasis in the nephrotic rat: nutritional considerations. Kaysen GA, et al. **Am J Physiol** 1984 Jul; 247(1 Pt 2):F192–202

Myocardial fatty acid oxidation: evidence for an albumin-receptor-mediated membrane transfer of fatty acids. Hütter JF, et al. **Basic Res Cardiol** 1984 May–Jun; 79(3):274–82

Age-related changes in albumin elimination in female WAG/Rij rats. Horbach GJ, et al. **Biochem J** 1983 Nov 15;216(2):309–15

The anionic barrier of blood vessel walls and the possible pathologic changes due to the deionization of the barrier and plasma proteins. Seno S, et al. **Biorheology** 1983; 20(5):653–62

Thiopentone-induced changes in the contraction pattern of vascular smooth muscle: the influence of albumin. Andreasen F, et al. **Br J Pharmacol** 1984 Jul;82(3):643–50

Plasma-to-ascitic fluid transport rate of albumin in patients with decompensated cirrhosis. Relation to intraperitoneal albumin. Henriksen JH, et al. **Clin Physiol** 1983 Oct; 3(5):423–31

The effect of phototherapy on extracellular water and transvascular protein exchange in psoriasis. Staberg B. **Clin Physiol** 1984 Feb;4(1):51–60

Poor metabolic control, hypertension and microangiopathy independently increase the transcapillary escape rate of albumin in diabetes. O'Hare JA, et al. **Diabetologia** 1983 Sep;25(3):260–3

Effect of lung inflation on alveolar-airway barrier protein permeability in dog lung. Conhaim RL, et al. **J Appl Physiol** 1983 Oct;55(4):1249–56

Vesicular stomatitis virus glycoprotein, albumin, and transferrin are transported to the cell surface via the same Golgi vesicles. Strous GJ, et al. **J Cell Biol** 1983 Dec; 97(6):1815–22

Intracellular and transcellular transport of secretory component and albumin in rat hepatocytes. Sztul ES, et al. **J Cell Biol** 1983 Nov;97(5 Pt 1):1582–91

Tc-99m galactosyl-neoglycoalbumin: in vitro characterization of receptor-mediated binding. Vera DR, et al. **J Nucl Med** 1984 Jul;25(7):779–87

Albumin binding and hepatic uptake: the importance of model selection. Forker EL, et al. **J Pharm Sci** 1983 Oct; 72(10):1232–3

Drug-mediated displacement of bilirubin from albumin in cultured cells. Shimabuku R, et al. **Jpn J Exp Med** 1983 Aug;53(4):215–7

Albumin homeostasis in patients undergoing continuous ambulatory peritoneal dialysis. Kaysen GA, et al. **Kidney Int** 1984 Jan;25(1):107–14

Tc-99m-galactosyl-neoglycoalbumin: in vivo characterization of receptor-mediated binding to hepatocytes. Vera DR, et al. **Radiology** 1984 Apr; 151(1):191–6

Surface properties of fluoride treated hydroxyapatite as judged by interactions with albumin and lysozyme. Eggen KH, et al. **Scand J Dent Res** 1983 Oct;91(5):347–50

Effect of albumin immobilization by plasma polymerization on platelet reactivity. Ishikawa Y, et al. **Thromb Res** 1984 Jul 15;35(2):193–202

[Various indicators of protein metabolism and their prognostic significance in wound healing] Mazurik MF, et al. **Khirurgiia (Mosk)** 1984 Apr;(4):13–5 (Eng. Abstr.) **(Rus)**

[Homeostasis of the albumin system in humans] Kaplan MA, et al. **Vestn Akad Med Nauk SSSR** 1984;(1):53–7 (Eng. Abstr.) **(Rus)**

[Evaluation of the degree of protein hydrolysis in vitro] Fadeev VM, et al. **Vopr Pitan** 1984 May–Jun;(3):74–6 **(Rus)**

PHARMACODYNAMICS

Albumin infusion does not alter the intervillous blood flow in severe pre-eclampsia. Jouppila P, et al. **Acta Obstet Gynecol Scand** 1983;62(4):345–8

Effects of Daunomycin and Daunomycin-protein conjugates on the ultrastructure of Trypanosoma rhodesiense. Williamson J, et al. **Cell Biol Int Rep** 1983 Dec; 7(12):997–1005

Suppression of lymphocyte proliferation by copper-albumin chelates. Anderson WL, et al. **J Biol Chem** 1984 Jun 25; 259(12):7602–6

Differentiation of bones and skeletal muscles in chick embryos cultured on albumen. Narbaitz R, et al. **Rev Can Biol Exp** 1983 Nov;42(3):271–7

The effect of albumin bound polyunsaturated fatty acids on human platelets. Holme S, et al. **Thromb Haemost** 1984 Feb 28;51(1):32–6

[Effects of albumin concentration of reperfusates on the recovery of rabbit hearts following anoxic cardioplegia] Irisawa T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Nov;31(11):1994–9 (Eng. Abstr.) **(Jpn)**

[Effect of the intravenous administration of homologous albumin on the lipolytic enzyme activity of rabbit blood plasma] Soliternova IB, et al. **Vopr Med Khim** 1984 Mar–Apr;30(2):87–91 (Eng. Abstr.) **(Rus)**

SECRETION

Secretion of albumin and alpha-foetoprotein by dimethylsulphoxide-stimulated hepatocellular carcinoma cells. Higgins PJ, et al. **Br J Cancer** 1983 Oct;48(4):485–93

IUD-induced changes in cervical secretion content of albumin, IgG and complement C3c. Fleetwood L, et al. **Contraception** 1984 May;29(5):465–70

Albumin secretion and protein synthesis by cultured diploid and tetraploid rat hepatocytes separated by elutriation. Le Rumeur E, et al. **Exp Cell Res** 1983 Aug;147(1):247–54

Long-term co-cultures of adult human hepatocytes with rat liver epithelial cells: modulation of albumin secretion and accumulation of extracellular material. Clement B, et al. **Hepatology** 1984 May–Jun;4(3):373–80

THERAPEUTIC USE

Hemodynamic comparison of albumin and hydroxyethyl starch in postoperative cardiac surgery patients. Moggio RA, et al. **Crit Care Med** 1983 Dec;11(12):943–5

Fluid resuscitation in circulatory shock: a comparison of the cardiorespiratory effects of albumin, hetastarch, and saline solutions in patients with hypovolemic and septic shock. Rackow EC, et al. **Crit Care Med** 1983 Nov;11(11):839–50

Intracranial and systemic effects of osmotic and oncotic therapy in experimental cerebral edema. Albright AL, et al. **J Neurosurg** 1984 Mar;60(3):481–9

[Correction of the disordered rheological properties of the blood in patients with obstructive jaundice] Kuznetsov NA, et al. **Khirurgiia (Mosk)** 1983 Aug;(8):96–100 (Eng. Abstr.) **(Rus)**

ALBUMINURIA

Urinary excretion of interferon, albumin, and beta 2-microglobulin during interferon treatment. Sumpio BE, et al. **Cancer Res** 1984 Aug;44(8):3599–603

Specific thromboxane synthetase inhibition and albumin excretion rate in insulin-dependent diabetes. Barnett AH, et al. **Lancet** 1984 Jun 16;1(8390):1322–5

[Influence of variations of posture and of the period of urine collection on total proteinuria and albuminuria] Buzio C, et al. **Minerva Nefrol** 1983 Jul–Sep;30(3):157–64 (Eng. Abstr.) **(Ita)**

CHEMICALLY INDUCED

Albuminuria following renal arteriography with various ionic and nonionic contrast agents in the rat. Speck U, et al. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1983; 118:25–9

Urinary excretion of proteins in chromeplaters, exchromeplaters and referents. Lindberg E, et al. **Scand J Work Environ Health** 1983 Dec;9(6):505–10

COMPLICATIONS

Microalbuminuria predicts clinical proteinuria and early mortality in maturity-onset diabetes. Mogensen CE. **N Engl J Med** 1984 Feb 9;310(6):356–60

DIAGNOSIS

Protein creatinine index and Albustix in assessment of proteinuria [letter] Wilkin T, et al. **Br Med J [Clin Res]** 1983 Dec 17;287(6408):1883

A solid phase fluorescent immunoassay for the measurement of human urinary albumin. Chavers BM, et al. **Kidney Int** 1984 Mar;25(3):576–8

An improved radial-immunodiffusion technique for measuring albumin in unconcentrated urine. Stoica GH, et al. **Med Interne** 1983 Oct–Dec;21(4):307–13

ETIOLOGY

Effect of metabolic control and duration on exercise-induced albuminuria in diabetic teen-agers. Dahlquist G, et al. **Acta Paediatr Scand** 1983 Nov;72(6):895–902

Lipid abnormalities in insulin-dependent diabetic patients with albuminuria. Vannini P, et al. **Diabetes Care** 1984 Mar–Apr;7(2):151–4

Abnormal albuminuria and blood pressure rise in incipient diabetic nephropathy induced by exercise. Christensen CK. **Kidney Int** 1984 May;25(5):819–23

Glycosyl albumin and diabetic microalbuminuria: demonstration of an altered renal handling. Ghiggeri GM, et al. **Kidney Int** 1984 Mar;25(3):565–70

Albumin to creatinine ratios in early morning samples of urine from healthy persons and patients without clinical proteinuria. Stoica GH, et al. **Med Interne** 1984 Jan–Mar; 22(1):19–28

METABOLISM

Ultrastructural localization of anionic and cationic ferritin in the rat glomerular basement membrane in protein-overload proteinuria. Bliss DJ, et al. **J Pathol** 1984 May;143(1):57–68

PHYSIOPATHOLOGY

Response of urinary albumin to submaximal exercise in newly diagnosed non-insulin dependent diabetes. Mohamed A, et al. **Br Med J [Clin Res]** 1984 May 5;288(6427):1342–3

Glycaemia, arterial pressure and micro-albuminuria in type 1 (insulin-dependent) diabetes mellitus. Wiseman M, et al. **Diabetologia** 1984 Jun;26(6):401–5

URINE

Urinary albumin excretion in school children. Davies AG, et al. **Arch Dis Child** 1984 Jul;59(7):625–30

Blood glucose control and the evolution of diabetic retinopathy and albuminuria. A preliminary multicenter trial. The Kroc Collaborative Study Group. **N Engl J Med** 1984 Aug 9;311(6):365–72

Microalbuminuria and early mortality in maturity-onset diabetes [letter] Wardle EN. **N Engl J Med** 1984 Jul 12; 311(2):128

Relationship of proteinuria and albuminuria to posture and to urine collection period. Montagna G, et al. **Nephron** 1983;35(2):143–4

ALBUTEROL

Addiction to aerosol treatment [letter] **Br Med J [Clin Res]** 1983 Dec 17;287(6408):1877

Inhaled salbutamol: a new form of drug abuse? [letter] Brennan PO. **Lancet** 1983 Oct 29;2(8357):1030–1

Inappropriately inhaled bronchodilators. Coppack SW, et al. **Thorax** 1984 Jun;39(6):472

ADMINISTRATION & DOSAGE

Bronchodilator response to oral aminophylline and terbutaline versus aerosol albuterol in patients with chronic obstructive pulmonary disease. Shim CS, et al. **Am J Med** 1983 Oct;75(4):697–701

Comparison of salbutamol powder with terbutaline aerosol administered with a tube spacer in asthmatic children. Francis PW, et al. **Aust Paediatr J** 1983 Dec;19(4):245–7

Nebulized salbutamol in life-threatening asthma: is IPPB necessary? Fergusson RJ, et al. **Br J Dis Chest** 1983 Jul; 77(3):255–61

Pressurized aerosol inhaler technique: how important are inhalation from residual volume, inspiratory flow rate and the time interval between puffs? Lawford P, et al. **Br J Dis Chest** 1983 Jul;77(3):276–81

Illogical warnings on Ventolin inhalers [letter] Crompton GK. **Br Med J [Clin Res]** 1984 Apr 21;288(6425):1231–2

Oxygen as a driving gas for nebulizers: safe or dangerous [letter] Gunawardena KA, et al. **Br Med J [Clin Res]** 1984 Apr 21;288(6425):1237–8

Oxygen as a driving gas for nebulisers: safe or dangerous? Gunawardena KA, et al. **Br Med J [Clin Res]** 1984 Jan 28;288(6413):272–4

Addiction to aerosol treatment [letter] Raine JM. **Br Med J [Clin Res]** 1984 Jan 21;288(6412):241

The bronchodilator response to inhalation of increasing doses of aerosolized albuterol. Nelson HS, et al. **J Allergy Clin Immunol** 1983 Oct;72(4):371–5

Cardiac response to oral and aerosol administration of beta agonists. Lee H, et al. **J Pediatr** 1983 Oct;103(4):655–8

Inhaled therapy reduces morning dips in asthma. Horn CR, et al. **Lancet** 1984 May 26;1(8387):1143–5

Nebulised ipratropium bromide and salbutamol causing closed-angle glaucoma [letter] Packe GE, et al. **Lancet** 1984 Sep 22;2(8404):691

Experiences with large doses of beta 2-agonists inhaled from nebulizers. Larsson S. **Postgrad Med J** 1983;59 Suppl 3:71–2

Drug intake and plasma concentrations in acute asthma. Boe J, et al. **Respiration** 1984;45(4):430–7

Bronchodilator effects of fenoterol and salbutamol administered by intermittent positive pressure breathing to patients with asthma or chronic obstructive bronchitis. Lahdensuo A. **Respiration** 1984;45(1):67–70

Bronchodilatory effect of inhaled versus oral salbutamol in bronchial asthma. Louridas G, et al. **Respiration** 1983; 44(6):439–43

Assessment of a new combination inhaler containing salbutamol and beclomethasone dipropionate in the management of asthmatic patients. Plit M, et al. **S Afr Med J** 1984 May 12;65(19):758–62

[Asthmatic crises in children. Value of salbutamol nebulization (letter)] de Blic J, et al. **Presse Med** 1983 Dec 17;12(46):2947–8 **(Fre)**

[Effect, tolerance and dose dependence of salbutamol powder inhalations] Nakhosteen JA, et al. **Med Welt** 1983 Nov 4; 34(44):1254–7 **(Ger)**

[The use of oral water-alcohol solutions of theophylline and salbutamol in the elderly: evaluation of blood theophylline after single and multiple doses] Guggino G, et al. **G Clin Med** 1983 May-Jun;64(5–6):209–15 (Eng. Abstr.) **(Ita)**

[Bronchodilator capacity of salbutamol aerosol after its long-term use] Szmidt M, et al. **Pol Arch Med Wewn** 1983 Nov-Dec;70(5–6):251–8 (Eng. Abstr.) **(Pol)**

[Effect of treatment with ventolin and becotide on ventilation and hemodynamics in patients with bronchial asthma] Sil'vestrov VP, et al. **Klin Med (Mosk)** 1983 Dec; 61(12):54–8 (Eng. Abstr.) **(Rus)**

[Comparison by double-blind study of the combination of an aerosol of salbutamol and ipratropium bromide and its individual effect in chronic bronchitis and bronchial asthma] Baños Hidalgo P, et al. **Rev Clin Esp** 1983 Nov 30;171(4):265–8 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Five cases of pulmonary oedema associated with beta 2-sympathomimetic treatment of premature labour. Hawker F. **Anaesth Intensive Care** 1984 May;12(2):159–62

Unusual vascular reactions to albuterol. Shurman A, et al. **Arch Intern Med** 1984 Sep;144(9):1771–2

Incidence of cardiac arrhythmias in patients taking slow release salbutamol and terbutaline for asthma [letter] Harrison P. **Br Med J [Clin Res]** 1984 Mar 17;288(6420):863

Incidence of cardiac arrhythmias in patients taking slow release salbutamol and slow release terbutaline for asthma. Al-Hillawi AH, et al. **Br Med J [Clin Res]** 1984 Feb 4; 288(6414):367

[Postpartum cardiomyopathy attributed to the use of beta-mimetics] Parer S, et al. **Ann Fr Anesth Reanim** 1983; 2(2):86–8 (Eng. Abstr.) **(Fre)**

[Changes of serum lipids induced by salbutamol in patients with chronic asthmatic bronchitis] Bartolucci L, et al. **Clin Ter** 1984 May 31;109(4):349–53 (Eng. Abstr.) **(Ita)**

ANALOGS & DERIVATIVES

[Synthesis and pharmacologic study of derivatives of orciprenaline and salbutamol. II. Guanidine and amidoxime derivatives of salbutamol] de Meglio P, et al. **Farmaco [Sci]** 1983 Dec;38(12):998–1012 **(Ita)**

BLOOD

Quantitative analysis of albuterol in human plasma by combined gas chromatography chemical ionization mass spectrometry. Weisberger M, et al. **Biomed Mass Spectrom** 1983 Oct;10(10):556–8

Plasma concentrations of salbutamol after an oral slow-release preparation. Maconochie JG, et al. **Curr Med Res Opin** 1983;8(9):634–9

Determination of salbutamol in plasma by high-performance liquid chromatography with fluorescence detection. Hutchings MJ, et al. **J Chromatogr** 1983 Oct 14;277:423–6

Reversed-phase high-performance liquid chromatographic determination of salbutamol in rabbit plasma. Kurosawa N, et al. **J Chromatogr** 1984 Feb 10;305(2):485–8

METABOLISM

Kinetics and distribution of the beta-adrenergic agonist salbutamol in rat brain. Caccia S, et al. **J Pharm Pharmacol** 1984 Mar;36(3):200–2

PHARMACODYNAMICS

Anti-allergic activity of formoterol, a new beta-adrenoceptor stimulant, and salbutamol in human leukocytes and human lung tissue. Mita H, et al. **Allergy** 1983 Nov;38(8):547–52

Effect of aerosols of salbutamol and atrovent administered alone and in combination on tracheal mucous velocity in vitro. Tarchalski J, et al. **Arch Monaldi** 1982 Jan-Apr; 37(1–2):109–12

Effects of adrenergic drugs on aqueous humour dynamics in the normal human eye. I. Salbutamol. Coakes RL, et al. **Br J Ophthalmol** 1984 Jun;68(6):393–7

Effects of oral and inhaled salbutamol and oral pirbuterol on right and left ventricular function in chronic bronchitis. Winter RJ, et al. **Br Med J [Clin Res]** 1984 Mar 17; 288(6420):824–5

Spirometric response to a bronchodilator. Reference values for healthy children and adolescents. Casan P, et al. **Bull Eur Physiopathol Respir** 1983 Nov-Dec;19(6):567–9

Actions of locally administered adrenoceptor agonists on histamine-induced cutaneous responses in atopic eczema. Archer CB, et al. **Clin Exp Dermatol** 1984 Jul;9(4):358–63

Effect of penbutolol and propranolol on normal airway response to salbutamol. Warren JB, et al. **Clin Pharmacol Ther** 1984 Jul;36(1):47–50

Studies on the mechanisms of tolerance to the anorectic effect of salbutamol in rats. Bendotti C, et al. **Eur J Pharmacol** 1983 Sep 2;92(3–4):237–42

Pulmonary responses of salbutamol tolerant guinea-pigs to aminophylline and ipratropium bromide. Ward MJ, et al. **Eur J Pharmacol** 1984 Mar 16;99(1):97–102

Differential inhibition of LTD4-mediated bronchopulmonary effects by salbutamol. Woodward DF, et al. **Eur J Pharmacol** 1984 Apr 20;100(2):219–22

Anti-asthmatic effects and drug tolerance of selective beta 2-adrenergic stimulants in guinea-pigs. Arai Y, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 2):506–8

Effects of fenoterol hydrobromide on histamine release from human leukocytes. Tomita Y, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 2):398–9

Salbutamol and treadmill performance in non-atopic athletes. McKenzie DC, et al. **Med Sci Sports Exerc** 1983; 15(6):520–2

Influence of beta-receptor-agonists and glucocorticoids on alpha- and beta-adrenoceptors of isolated blood cells from asthmatic children. Reinhardt D, et al. **Pediatr Pharmacol (New York)** 1983;3(3–4):293–302

Energetics of active sodium-potassium transport following stimulation with insulin, adrenaline or salbutamol in rat soleus muscle. Chinet A, et al. **Pflugers Arch** 1984 Jun; 401(2):160–6

The effect of chronic treatment with antidepressant drugs on salbutamol-induced hypoactivity in rats. Przegaliński E, et al. **Psychopharmacology (Berlin)** 1983;80(4):355–9

Airway response to inhaled salbutamol in hyperthyroid and hypothyroid patients before and after treatment. Harrison RN, et al. **Thorax** 1984 Jan;39(1):34–9

Nifedipine enhances the bronchodilator effect of salbutamol. Lever AM, et al. **Thorax** 1984 Aug;39(8):576–8

[Measurement of the effect of a bronchodilator using FEV1: how to express it?] Gayrard P, et al. **Rev Mal Respir** 1984; 1(2):81–4 (Eng. Abstr.) **(Fre)**

[Release of slow-reacting substance of anaphylaxis (SRS-A) from human lung and inhibitory effect by beta-stimulants] Kajita T, et al. **Arerugi** 1984 Jan;33(1):43–51 (Eng. Abstr.) **(Jpn)**

[Bronchospasm caused by intrabronchial injection of antibiotics and its prevention by hydrocortisone and salbutamol hemisulfate] Noguchi Y, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Apr;21(4):321–6 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Beta-receptor stimulation in the treatment of depression. Simon P, et al. **Adv Biochem Psychopharmacol** 1984; 39:293–9

Adrenaline and nebulized salbutamol in acute asthma. Turpeinen M, et al. **Arch Dis Child** 1984 Jul;59(7):666–8

Bronchodilator responses to nebulised ipratropium and salbutamol singly and in combination in chronic bronchitis. Chan CS, et al. **Br J Clin Pharmacol** 1984 Jan;17(1):103–5

The duration of protection from exercise-induced asthma by inhaled salbutamol, and a comparison with inhaled reproterol. Higgs CM, et al. **Br J Dis Chest** 1983 Jul; 77(3):262–9

A new treatment for asthma: promotional expediency versus pharmaceutical responsibility [letter] Gregg I. **Br Med J [Clin Res]** 1984 Jan 7;288(6410):68–9

Assessment of tachyphylaxis following prolonged therapy of asthma with inhaled albuterol aerosol. Repsher LH, et al. **Chest** 1984 Jan;85(1):34–8

Comparative study of the effects of intravenous administration of aminophylline, salbutamol and terbutaline in patients suffering from reversible airways obstruction. Sahay JN, et al. **Curr Med Res Opin** 1984;9(1):1–6

Persisting airflow limitation in asthmatics receiving routine self-adjusted medication. Tschopp JM, et al. **Eur J Respir Dis** 1984 Jul;65(5):346–53

Effect of domiciliary treatment with nebulized beta 2-stimulants—a retrospective follow-up of 102 patients. Andersson L, et al. **Eur J Respir Dis [Suppl]** 1984; 136:205–12

Beta-adrenoceptor agonist responses in the skin and lungs of asthmatic subjects. Basran GS, et al. **Eur J Respir Dis [Suppl]** 1984;135:198–201

Domiciliary nebulized beta-agonists. Long-term treatment in asthmatics, and drug intake and plasma levels in acute asthma. Boe J. **Eur J Respir Dis [Suppl]** 1984;136:193–203

Salbutamol versus Duovent (a combination of fenoterol and ipratropium bromide) in asthma. Flint K, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 2):548–50

Fenoterol versus salbutamol nebuliser solution in asthma. Hockley B, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 2):543–5

Inhaled powder and aerosol salbutamol in metacholine-induced bronchial obstruction. Lahdensuo A, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 2):515–7

Comparison of inhaled fenoterol and salbutamol in the prevention of exercise-induced asthma. Sturani C, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 2):526–8

Potential value of oral beta 2-adrenoceptor agonists in congestive heart failure: a haemodynamic and metabolic study. Timmis AD, et al. **Int J Cardiol** 1984 Mar; 5(3):327–38

The behavioral effect of salbutamol (a beta-adrenergic receptor stimulant) on reserpine- and propranolol-treated rats. Vardi Y, et al. **J Neurol** 1983;230(1):43–55

Salbutamol for hyperkalaemia [letter] Bushe C. **Lancet** 1983 Oct 1;2(8353):797

Albuterol: an adrenergic agent for use in the treatment of asthma pharmacology, pharmacokinetics and clinical use. Ahrens RC, et al. **Pharmacotherapy** 1984 May-Jun; 4(3):105–21

Clenbuterol and salbutamol in the symptomatic treatment of patients with reversible airways obstruction. Jaffé G, et al. **Pharmatherapeutica** 1983;3(7):492–5

Comparison of Duovent and salbutamol inhalers in chronic stable asthma. Fischbacher CM, et al. **Postgrad Med J** 1984; 60 Suppl 1:28–31

A comparison between a combination of ipratropium bromide plus fenoterol in a single metered dose inhaler (Duovent) and salbutamol in asthma. Flint KC, et al. **Postgrad Med J** 1983 Nov;59(697):724–5

Fenoterol versus salbutamol nebulization in asthma. Hockley B, et al. **Postgrad Med J** 1983 Aug;59(694):504–5

A comparison of effects of inhaling a combined preparation of fenoterol with ipratropium bromide (Duovent) with those of fenoterol and salbutamol. Tang OT, et al. **Postgrad Med J** 1984;60 Suppl 1:24–7

Acute effect of inhaled salbutamol on mucociliary clearance in health and chronic bronchitis. Lafortuna CL, et al. **Respiration** 1984;45(2):111–23

Comparative study of the bronchospasmolytic effect of fenoterol (0.2 mg) salbutamol (0.4 mg) as powder inhalations in 20 patients with reversible bronchial obstruction. Maesen FP, et al. **Respiration** 1984; 45(3):265–70

[Spirometric modifications induced by bronchography. Effects of Salbutamol] Housset B, et al. **Rev Mal Respir** 1984;1(3):177–80 (Eng. Abstr.) **(Fre)**

[Exercise-induced pathophysiological changes in asthmatic children. VII. Late asthmatic response in exercise-induced asthma: changes in chemical mediators and effects of the use of a mask and drugs] Inui H, et al. **Arerugi** 1984 Feb; 33(2):102–11 (Eng. Abstr.) **(Jpn)**

[Effectiveness of disodium cromoglycate, salbutamol, and ipratropium bromide in the inhibition of exercise-induced bronchospasm] Vázquez C, et al. **An Esp Pediatr** 1984 May; 20(8):756–62 (Eng. Abstr.) **(Spa)**

ALCALIGENES

ANALYSIS

Evidence for plasmid DNA in Alcaligenes faecalis. Luginbuhl GH, et al. **Am J Vet Res** 1984 Aug;45(8):1679–81

Ornithine-containing lipids in Thiobacillus A2 and Achromobacter sp. Thiele OW, et al. **Eur J Biochem** 1984 Feb 15;139(1):131–5

A cleavage product of mouse C3 adsorbable to (1——3)-beta-D-glucan from Alcaligenes faecalis var. myxogenes IFO 13140. Matsushita M, et al. **Jpn J Exp Med** 1983 Oct;53(5):219–25

CLASSIFICATION

Differentiation of Alcaligenes-like bacteria of avian origin and comparison with Alcaligenes spp. reference strains. Berkhoff HA, et al. **J Clin Microbiol** 1984 Apr;19(4):477–81

Nosocomial colonization and infection by Achromobacter xylosoxidans. Reverdy ME, et al. **J Clin Microbiol** 1984 Feb;19(2):140–3

ENZYMOLOGY

An extracellular D(-)-3-hydroxybutyrate oligomer hydrolase from Alcaligenes faecalis. Shirakura Y, et al.

Biochim Biophys Acta 1983 Oct 28;748(2):331–9
Comparative study of the beta-lactamase activity found in Achromobacter. Levesque R, et al. **Can J Microbiol** 1983 Jul;29(7):819–26
Occurrence of S-adenosylhomocysteine hydrolase in prokaryote cells. Characterization of the enzyme from Alcaligenes faecalis and role of the enzyme in the activated methyl cycle. Shimizu S, et al. **Eur J Biochem** 1984 Jun 1;141(2):385–92
A multifunctional fermentative alcohol dehydrogenase from the strict aerobe Alcaligenes eutrophus: purification and properties. Steinbüchel A, et al. **Eur J Biochem** 1984 Jun 15;141(3):555–64
Microbial distribution of selenocysteine lyase. Chocat P, et al. **J Bacteriol** 1983 Oct;156(1):455–7
Expression of hydrogenase in Alcaligenes spp. is altered by interspecific plasmid exchange. Friedrich B, et al. **J Bacteriol** 1984 Apr;158(1):331–3
Evidence for isofunctional enzymes in the degradation of phenol, m- and p-toluate, and p-cresol via catechol meta-cleavage pathways in Alcaligenes eutrophus. Hughes EJ, et al. **J Bacteriol** 1984 Apr;158(1):79–83
Control of autotrophic carbon assimilation in Alcaligenes eutrophus by inactivation and reactivation of phosphoribulokinase. Leadbeater L, et al. **J Bacteriol** 1984 Jan;157(1):95–9
Unusual C3 and C4 metabolism in the chemoautotroph Alcaligenes eutrophus. Schobert P, et al. **J Bacteriol** 1984 Jul;159(1):167–72
Small angle x-ray study on the structure of active and inactive ribulose bisphosphate carboxylase from Alcaligenes eutrophus. Evidence for a configurational change. Meisenberger O, et al. **J Biol Chem** 1984 Apr 10; 259(7):4463–5
[Bacterial formate dehydrogenase. Substrate specificity and kinetic mechanism of S-formyl glutathione oxidation] Tishkov VI, et al. **Biokhimiia** 1983 Jul;48(7):1172–80 (Eng. Abstr.) **(Rus)**

GENETICS

Occurrence of deletion plasmids at high rates after conjugative transfer of the plasmids RP4 and RK2 from Escherichia coli to Alcaligenes eutrophus H16. Schwab H, et al. **Arch Microbiol** 1983 Nov;136(2):140–6
Alcaligenes eutrophus hydrogenase genes (Hox). Hogrefe C, et al. **J Bacteriol** 1984 Apr;158(1):43–8
Characterization of a TOL-like plasmid from Alcaligenes eutrophus that controls expression of a chromosomally encoded p-cresol pathway. Hughes EJ, et al. **J Bacteriol** 1984 Apr;158(1):73–8
Transfer and expression of Klebsiella nif genes in Alcaligenes faecalis, a nitrogen-fixing bacterium associated with rice root. Chen JM, et al. **Plasmid** 1983 Nov;10(3):290–2

GROWTH & DEVELOPMENT

Fermentation, isolation, characterization and structure of nitrosofungin. Dolak LA, et al. **J Antibiot (Tokyo)** 1983 Nov;36(11):1425–30
Cultivation of the bacterial strain Achromobacter delicatulus, producing an exocellular polyglucan-type polysaccharide in the fermentation tank FU-6. LasiK J, et al. **Zentralbl Mikrobiol** 1983;138(5):345–55

IMMUNOLOGY

In vitro cytotoxicity of an Alcaligenes faecalis and its relationship in in vivo tracheal pathologic changes in turkeys. Gray JG, et al. **Avian Dis** 1983 Oct-Dec; 27(4):1142–50

ISOLATION & PURIFICATION

Corneal ulcer due to Achromobacter xylosoxidans. Newman PE, et al. **Br J Ophthalmol** 1984 Jul;68(7):472–4
Bacteremia caused by Achromobacter species in an immunocompromised host. Kish MA, et al. **J Clin Microbiol** 1984 Jun;19(6):947–8

METABOLISM

Effect of various sources of organic carbon and high nitrite and nitrate concentrations on the selection of denitrifying bacteria. II. Continuous cultures in packed bed reactors. Blaszczyk M. **Acta Microbiol Pol** 1983;32(1):65–71
Microbial biodegradation of 4-chlorobiphenyl, a model compound of chlorinated biphenyls. Massé R, et al. **Appl Environ Microbiol** 1984 May;47(5):947–51
Degradation of chlorophenols by a defined mixed microbial community. Schmidt E, et al. **Appl Environ Microbiol** 1983 Nov;46(5):1038–44
NMR spectroscopic identification of a hexacyanochromate(III) binding site on Pseudomonas azurin. Cho KC, et al. **Biochemistry** 1984 Apr 10; 23(8):1858–62
Proton NMR spectroscopy of cytochrome c-554 from Alcaligenes faecalis. Timkovich R, et al. **Biochemistry** 1984 Feb 28;23(5):851–60
Theoretical maximum and observed product yields associated with curdlan production by Alcaligenes faecalis. Phillips KR, et al. **Can J Microbiol** 1983 Oct;29(10):1270–6
Production of curdlan-type polysaccharide by Alcaligenes faecalis in batch and continuous culture. Phillips KR, et al. **Can J Microbiol** 1983 Oct;29(10):1331–8
Regulation by molecular oxygen and organic substrates of hydrogenase synthesis in Alcaligenes eutrophus. Cangelosi GA, et al. **J Bacteriol** 1984 Jul;159(1):138–44
Hydrogen evolution by strictly aerobic hydrogen bacteria under anaerobic conditions. Kuhn M, et al. **J Bacteriol** 1984 Aug;159(2):633–9

PATHOGENICITY

Pathogenicity of various isolates of Alcaligenes faecalis for broilers. Berkhoff HA, et al. **Avian Dis** 1983 Jul-Sep; 27(3):707–13
Observations on the pathogenicity of Alcaligenes faecalis in chickens. Montgomery RD, et al. **Avian Dis** 1983 Jul-Sep; 27(3):751–61

ALCIAN BLUE see under **INDOLES**

ALCLOFENAC see under **PHENYLACETATES**

ALCOHOL ABUSE see **ALCOHOLISM**

ALCOHOL AMNESTIC DISORDER

CEREBROSPINAL FLUID

Central nervous system catecholamine metabolism in Korsakoff's psychosis. Martin PR, et al. **Ann Neurol** 1984 Feb;15(2):184–7
Neurochemical pathology in Korsakoff's psychosis: implications for other cognitive disorders. McEntee WJ, et al. **Neurology (NY)** 1984 May;34(5):648–52

DIAGNOSIS

Wernicke-Korsakoff syndrome. Perkin GD, et al. **Br J Hosp Med** 1983 Nov;30(5):331, 333–4 (29 ref.)
Improving the concurrent validity of the Bender-Gestalt test. McCann R, et al. **Percept Mot Skills** 1984 Jun;58(3):947–50
[Subclinical deficit in the memory of chronic alcoholics. Comparison between 2 learning tests] Nichelli P, et al. **Riv Patol Nerv Ment** 1983 May-Jun;103(3):133–45 (Eng. Abstr.) **(Ita)**

DRUG THERAPY

Lack of effect of desglycinamide-arginine-vasopressin (DGAVP) on memory in patients with korsakoff's syndrome. Laczi F, et al. **Acta Endocrinol (Copenh)** 1983 Oct;104(2):177–82
Propranolol in the treatment of rage and violent behavior associated with Korsakoff's psychosis. Yudofsky SC, et al. **Am J Psychiatry** 1984 Jan;141(1):114–5

ETIOLOGY

Strangulation as a cause of Korsakoff psychosis. arap Mengech HN. **East Afr Med J** 1983 May;60(5):343–5
Wernicke-Korsakoff syndrome after subtotal gastrectomy. Ferla S, et al. **Ital J Neurol Sci** 1983 Jun;4(2):225–7

HISTORY

Early concepts of anterograde and retrograde amnesia. Levin HS, et al. **Cortex** 1983 Dec;19(4):427–40

METABOLISM

[Cerebral glucose metabolism in Wernicke-Korsakoff syndrome—a comparison between the acute and recovery stages by N20 method] Komagamine M. **Rinsho Shinkeigaku** 1984 Apr;24(4):340–6 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Loss of neurons in the nucleus basalis of Meynert in Alzheimer's disease, paralysis agitans and Korsakoff's Disease. Arendt T, et al. **Acta Neuropathol (Berl)** 1983; 61(2):101–8

PHYSIOPATHOLOGY

Wernicke-Korsakoff syndrome [letter] **Br J Hosp Med** 1984 Jan;31(1):82
Alcohol and the central nervous system. Nakada T, et al. **Med Clin North Am** 1984 Jan;68(1):121–31 (35 ref.)

PSYCHOLOGY

Dissociations between skill learning and verbal recognition in amnesia and dementia. Martone M, et al. **Arch Neurol** 1984 Sep;41(9):965–70
The clinical aspects of memory disorders: contributions from experimental studies of amnesia and dementia. Butters N. **J Clin Neuropsychol** 1984 Feb;6(1):17–36

THERAPY

Effects of experimenter- and self-generated imagery on the Korsakoff patient's memory performance. Howes JL. **Neuropsychologia** 1983;21(4):341–9

URINE

Decreased 6-hydroxymelatonin excretion in Korsakoff's psychosis. Martin PR, et al. **Neurology (NY)** 1984 Jul; 34(7):966–8

ALCOHOL DEHYDROGENASES see **ALCOHOL OXIDOREDUCTASES**

ALCOHOL DETERRENTS

ADMINISTRATION & DOSAGE

Cyanamide-induced liver cell injury. Experimental study in the rat. Guillen FJ, et al. **Lab Invest** 1984 Apr;50(4):385–93

ADVERSE EFFECTS

Emetine myopathy: two case reports with pathobiochemical analysis. Sugie H, et al. **Muscle Nerve** 1984 Jan;7(1):54–9

PHARMACODYNAMICS

Selective suppression of schedule-induced ethanol drinking by antialcoholic drugs in rats. Kuribara H, et al. **Jpn J Pharmacol** 1984 Jun;35(2):123–8

URINE

[Screening and detection of the new alcohol deterrent nitrefazol (Altimol)] Schütz H, et al. **Beitr Gerichtl Med** 1984;42:85–94 (Eng. Abstr.) **(Ger)**

ALCOHOL DRINKING

Effects of different diets on voluntary consumption of ethanol in UChA and UChB rats. Mardones J, et al. **Act Physiol Pharmacol Latinoam** 1984;34(1):25–30
Twin concordance for a binary trait. I. Statistical models illustrated with data on drinking status. Hannah MC, et al. **Acta Genet Med Gemellol (Roma)** 1983;32(2):127–37
Inheritance and alcohol as factors influencing plasma uric acid levels. Whitfield JB, et al. **Acta Genet Med Gemellol (Roma)** 1983;32(2):117–26
Alcohol consumption of patients with essential tremor. Rautakorpi I, et al. **Acta Neurol Scand** 1983 Sep;68(3):177–9
Salivation to drinking cues in alcohol abusers: toward the validation of a physiological measure of craving. Cooney NL, et al. **Addict Behav** 1984;9(1):91–4
Menstrual cycle, tolerance and blood alcohol level discrimination ability. Hay WM, et al. **Addict Behav** 1984; 9(1):67–77
Predictors of relapse: interaction of drinking-related locus of control and reasons for drinking. Kivlahan DR, et al. **Addict Behav** 1983;8(3):273–6
Drinking problems of alcoholics: correspondence between self and spouse reports. Leonard K, et al. **Addict Behav** 1983;8(4):369–73
Reasons for drinking: motivational patterns and alcohol use among college students. McCarty D, et al. **Addict Behav** 1984;9(2):185–8
Addictive behaviors and life problems before and after behavioral treatment of problem drinkers. Miller WR, et al. **Addict Behav** 1983;8(4):403–12
Can disulfiram use precipitate urges to drink alcohol? Nirenberg TD, et al. **Addict Behav** 1983;8(3):311–3
Factors affecting the perception of intoxication: dose, tolerance, and setting. O'Malley SS, et al. **Addict Behav** 1984;9(2):111–20
Alcohol use and delinquency among black, white and hispanic adolescent offenders. Dawkins RL, et al. **Adolescence** 1983 Winter;18(72):799–809
Father absence and adolescent 'problem behaviors': alcohol consumption, drug use and sexual activity. Stern M, et al. **Adolescence** 1984 Summer;19(74):302–12
The effect of beer ingestion on plasma and urine uric acid in gout and normouricaemic subjects. Rodgers AV, et al. **Adv Exp Med Biol** 1984;165 Pt A:327–31
Inhibition of prostaglandin synthesis by indomethacin does not affect alcohol consumption in inbred mice. Anton RF, et al. **Alcoholism (NY)** 1983 Fall;7(4):386–8
Behavioral and physiological effects of ethanol in high-risk and control children: a pilot study. Behar D, et al. **Alcoholism (NY)** 1983 Fall;7(4):404–10
Alcohol and sober mood state in female social drinkers. Birnbaum IM, et al. **Alcoholism (NY)** 1983 Fall;7(4):362–8
Elimination of artifactual acetaldehyde in the measurement of human blood acetaldehyde by the use of polyethylene glycol and sodium azide: normal blood acetaldehyde levels in the dog and human after ethanol. DeMaster EG, et al. **Alcoholism (NY)** 1983 Fall;7(4):436–42
Elevated concentrations of ethanol in plasma do not suppress voluntary ethanol consumption in C57BL mice. Gentry RT, et al. **Alcoholism (NY)** 1983 Fall;7(4):420–3
Alcohol use in youthful methadone-maintained former heroin addicts: liver impairment and treatment outcome. Hartman N, et al. **Alcoholism (NY)** 1983 Summer; 7(3):316–20
Drinking by alcoholic cirrhotic patients under medical care: a literature survey. Hermos JA. **Alcoholism (NY)** 1984 May-Jun;8(3):314–8
Patterns of alcohol abuse and family stability. Jacob T, et al. **Alcoholism (NY)** 1983 Fall;7(4):382–5
Racial patterns of alcoholic beverage use. Klatsky AL, et al. **Alcoholism (NY)** 1983 Fall;7(4):372–7
Cardiovascular effects of acetaldehyde accumulation after ethanol ingestion: their modification by beta-adrenergic blockade and alcohol dehydrogenase inhibition. Kupari M, et al. **Alcoholism (NY)** 1983 Summer;7(3):283–8
Body sway and divided attention performance under the

influence of alcohol: dose-response differences between males and females. Mills KC, et al. **Alcoholism (NY)** 1983 Fall;7(4):393–7

A single dose of ethanol suppresses rat embryo development in vivo. Pennington SN, et al. **Alcoholism (NY)** 1984 May–Jun;8(3):326–9

A field test of the sweat patch. Phillips EL, et al. **Alcoholism (NY)** 1984 Mar–Apr;8(2):233–7

Sweat-patch testing detects inaccurate self-reports of alcohol consumption. Phillips M. **Alcoholism (NY)** 1984 Jan–Feb; 8(1):51–3

Ethanol-induced microcephaly in neonatal rats: relation to dose. Samson HH, et al. **Alcoholism (NY)** 1984 Mar–Apr; 8(2):201–3

Alcohol consumption among vehicular occupants injured in crashes. Soderstrom CA, et al. **Alcoholism (NY)** 1984 May–Jun;8(3):269–71

Alcohol use, negative mood states, and menstrual cycle phases. Sutker PB, et al. **Alcoholism (NY)** 1983 Summer; 7(3):327–31

Lipofuscin granules in Purkinje cells after long-term alcohol consumption in rats. Tavares MA, et al. **Alcoholism (NY)** 1983 Summer;7(3):302–6

Randomized response estimates of problem use of alcohol among employed females. Volicer BJ, et al. **Alcoholism (NY)** 1983 Summer;7(3):321–6

Effects of ethanol: I. Acute metabolic tolerance and ethnic differences. Wilson JR, et al. **Alcoholism (NY)** 1984 Mar–Apr;8(2):226–32

Variant angina induced by alcohol ingestion. Takizawa A, et al. **Am Heart J** 1984 Jan;107(1):25–7

Effects of abstinence on the ability of clinical laboratory tests to identify male alcoholics. Eckardt MJ, et al. **Am J Clin Pathol** 1984 Sep;82(3):305–10

Motivation for drinkers and treatment outcome: a study of personal and nonpersonal effects drinkers. Brissett D, et al. **Am J Drug Alcohol Abuse** 1984;10(1):113–24

The association of blood pressure and dietary alcohol: differences by age, sex, and estrogen use. Fortmann SP, et al. **Am J Epidemiol** 1983 Oct;118(4):497–507

Drinking and mortality. The Framingham Study. Gordon T, et al. **Am J Epidemiol** 1984 Jul;120(1):97–107

Alcohol consumption and ischemic heart disease mortality: are time-series correlations meaningful? Gruchow HW, et al. **Am J Epidemiol** 1983 Nov;118(5):641–50

Alcoholic beverage consumption and breast cancer in a French case-control study. Lê MG, et al. **Am J Epidemiol** 1984 Sep;120(3):350–7

Bladder cancer and alcoholic beverage consumption. Thomas DB, et al. **Am J Epidemiol** 1983 Nov;118(5):720–7

A semiquantitative score system for epidemiologic studies of fetal alcohol syndrome. Vitéz M, et al. **Am J Epidemiol** 1984 Mar;119(3):301–8

Changes in the term mouse placenta associated with maternal alcohol consumption and fetal growth deficits. Kennedy LA. **Am J Obstet Gynecol** 1984 Jul 1;149(5):518–22

Evaluation of serum gamma-glutamyl transferase as a screening method for excessive alcohol consumption during pregnancy. Larsson G, et al. **Am J Obstet Gynecol** 1983 Nov 15;147(6):654–7

Failure of nonlinear models of drinking history variables to predict neuropsychological performance in alcoholics. Adams KM, et al. **Am J Psychiatry** 1984 May;141(5):663–7

Depression in the abstinent alcoholic. Behar D, et al. **Am J Psychiatry** 1984 Sep;141(9):1105–7

Abstinence from alcohol in long-term individual psychotherapy with alcoholics. Dodes LM. **Am J Psychother** 1984 Apr;38(2):248–56

Group A meningococcal disease in skid rows: epidemiology and implications for control. Filice GA, et al. **Am J Public Health** 1984 Mar;74(3):253–4

Alcohol consumption and diabetes mellitus mortality in different countries. Keilman PA. **Am J Public Health** 1983 Nov;73(11):1316–7

Ethanol and the event-related evoked potentials. Effects of rate of stimulus presentation and task difficulty. Campbell K, et al. **Ann NY Acad Sci** 1984;425:551–5

Aging, abstinence, and medical risk factors in the prediction of neuropsychologic deficit among long-term alcoholics. Grant I, et al. **Arch Gen Psychiatry** 1984 Jul;41(7):710–8

Subjective responses to alcohol in sons of alcoholics and control subjects. Schuckit MA. **Arch Gen Psychiatry** 1984 Sep;41(9):879–84

Head and neck cancer survival and life-style change. Stevens MH, et al. **Arch Otolaryngol** 1983 Nov;109(11):746–9

Alcohol and ischemic heart disease: a review. Rohan TE. **Aust NZ J Med** 1984 Feb;14(1):75–80 (51 ref.)

Widespread neuroanatomical damage and learning deficits following chronic alcohol consumption or vitamin-B1 (thiamine) deficiency in rats. Irle E, et al. **Behav Brain Res** 1983 Sep;9(3):277–94

Dietary salt and doca-salt treatments modify ethanol self-selection in rats. Grupp LA, et al. **Behav Neural Biol** 1984 Mar;40(2):239–50

Alcohol intoxication and deviant sexual arousal in male social drinkers. Barbaree HE, et al. **Behav Res Ther** 1983; 21(4):365–73

Drinking problems and habits of elderly people. Cremer HD, et al. **Bibl Nutr Dieta** 1983;(33):132–41 (10 ref.)

Ethanol-induced hypothermia and ethanol consumption in the rat are affected by low-level microwave irradiation. Lai H, et al. **Bioelectromagnetics** 1984;5(2):213–20

Pituitary dwarfism and alcohol sensitivity [letter] Endo M, et al. **Biol Psychiatry** 1983 Jul;18(7):839–41

Ethanol-related prolactin responses and risk for alcoholism. Schuckit MA, et al. **Biol Psychiatry** 1983 Oct;18(10):1153–9

Alcohol, amoxapine, and akathisia [letter] Shen WW. **Biol Psychiatry** 1984 Jun;19(6):929–30

Action on alcohol abuse. **Br J Addict** 1983 Dec;78(4):337–8

Can accurate drinking histories be obtained from psychiatric patients by a nurse conducting screening interviews? Bernardt MW, et al. **Br J Addict** 1984 Jun;79(2):201–6

Behavioural patterns of alcohol use among young adults in Britain and Zimbabwe. Chambwe A, et al. **Br J Addict** 1983 Sep;78(3):311–6

Secondary prevention of alcoholism and the Centres d'Hygiène Alimentaire. Chick J. **Br J Addict** 1984 Jun; 79(2):221–5

Understanding the nature of investigations into alleged fraud in alcohol research: a reply to Walker and Roach. Doob AN. **Br J Addict** 1984 Jun;79(2):169–74

Drinking in longitudinal perspective: career and natural history. Edwards G. **Br J Addict** 1984 Jun;79(2):175–83

Effect of economic changes on Scottish drinking habits 1978–82. Kendell RE, et al. **Br J Addict** 1983 Dec; 78(4):365–79

The risks of drunkenness (or, ebrietas resurrecta). A comparison of frequent intoxication indices and of population sub-groups as to problem risks. Knupfer G. **Br J Addict** 1984 Jun;79(2):185–96

The impact of alcohol on health in the general population: a review with particular reference to experience in Malmo. Kristenson H, et al. **Br J Addict** 1984 Jun;79(2):139–45

Situations related to alcoholism relapse. Litman GK, et al. **Br J Addict** 1983 Dec;78(4):381–9

The correlates of serious alcohol-related consequences and illicit drug use amongst a cohort of Scottish teenagers. Plant MA, et al. **Br J Addict** 1984 Jun;79(2):197–200

Alcohol consumption during pregnancy: baseline data from a Scottish prospective study. Plant ML. **Br J Addict** 1984 Jun;79(2):207–14

Increasing alcohol consumption correlated with hospital admission rates. Poikolainen K. **Br J Addict** 1983 Sep; 78(3):305–9

Under the microscope yet again: a commentary on Walker and Roach's critique of the Dickens Committee's enquiry into our research. Sobell MB, et al. **Br J Addict** 1984 Jun; 79(2):157–68

A critique of the report of the Dickens' enquiry into the controlled drinking research of the Sobells. Walker KD, et al. **Br J Addict** 1984 Jun;79(2):147–74

A review of the problem–prevention approach to drinking problems and an alternative programme which makes use of natural preventive resources within the community. Yates F, et al. **Br J Addict** 1983 Dec;78(4):355–64

Use of alcohol, tobacco and coffee, and risk of pancreatic cancer. Heuch I, et al. **Br J Cancer** 1983 Nov;48(5):637–43

Alcoholic drinks and asthma: a survey. Ayres JG, et al. **Br J Dis Chest** 1983 Oct;77(4):370–5

Alcohol and sedative drug use in neurotic outpatients. Samarasinghe DS, et al. **Br J Psychiatry** 1984 Jul;145:45–8

Alcohol and old people. Wattis JP. **Br J Psychiatry** 1983 Sep;143:306–7

Beer drinking and its effect on uric acid. Gibson T, et al. **Br J Rheumatol** 1984 Aug;23(3):203–9

Influence of an increase in excise duty on alcohol consumption and its adverse effects. Kendell RE, et al. **Br Med J [Clin Res]** 1983 Sep 17;287(6395):809–11

Diet, alcohol, and relative weight in gall stone disease: a case-control study. Scragg RK, et al. **Br Med J [Clin Res]** 1984 Apr 14;288(6424):1113–9

Alcohol: another risk factor for diabetic retinopathy? Young RJ, et al. **Br Med J [Clin Res]** 1984 Apr 7;288(6423):1035–7

Effects of neonatal treatment with clomipramine on adult ethanol related behavior in the rat. Hilakivi LA, et al. **Brain Res** 1984 Jul;317(1):129–32

Screening for oral and oropharyngeal squamous carcinomas. Mashberg A, et al. **CA** 1984 Sep–Oct;34(5):262–8

The effect of population habits on side effects and narcotic requirements during high-dose fentanyl anaesthesia. Stanley TH, et al. **Can Anaesth Soc J** 1984 Jul;31(4):368–76

Mapping the severity of alcohol and drug problems in Ontario. Adrian M. **Can J Public Health** 1983 Sep–Oct; 74(5):335–42

Cervical cancer in relation to tobacco and alcohol consumption in Lesotho, southern Africa. Martin PM, et al. **Cancer Detect Prev** 1984;7(2):109–15

Effects of chronic ethanol consumption on the metabolism and carcinogenicity of N'-nitrosonornicotine in F344 rats. Castonguay A, et al. **Cancer Res** 1984 Jun;44(6):2285–90

Hepatitis, alcohol consumption, cigarette smoking, and hepatocellular carcinoma in Los Angeles. Yu MC, et al. **Cancer Res** 1983 Dec;43(12 Pt 1):6077–9

Drinking and passive smoking [letter] Kawane H. **Chest** 1984 Mar;85(3):452

The beneficial effect of alcohol consumption on the prevalence and extent of centrilobular emphysema. A retrospective autopsy analysis. Pratt PC, et al. **Chest** 1984 Mar;85(3):372–7

Effects of moderate alcohol consumption and smoking on fetal outcome. Wright JT, et al. **Ciba Found Symp** 1984; 105:240–53

Plasma lecithin:cholesterol acyltransferase — reference values and effects of xenobiotics. Hitz J, et al. **Clin Chim Acta** 1983 Sep 15;133(1):85–96

Blood pressure and its relationship to low levels of alcohol consumption. Cooke KM, et al. **Clin Exp Pharmacol Physiol** 1983 May–Jun;10(3):229–33

Evidence for defective osteoblastic function. A role for alcohol and tobacco consumption in osteoporosis in middle-aged men. de Vernejoul MC, et al. **Clin Orthop** 1983 Oct;(179):107–15

Zimelidine-induced variations in alcohol intake by nondepressed heavy drinkers. Naranjo CA, et al. **Clin Pharmacol Ther** 1984 Mar;35(3):374–81

The chlorpropamide alcohol flush. Wiles PG, et al. **Clin Sci** 1984 Oct;67(4):375–81 (55 ref.)

Epidemiologic study of the association between alcohol habits and oral leukoplakia. Gupta PC. **Community Dent Oral Epidemiol** 1984 Feb;12(1):47–50

Reported drinking practices amongst women working in the home. Chetwynd SJ, et al. **Community Health Stud** 1983 Oct;7(3):278–84

Lessons in practical methodology from an alcohol survey of hospital patients. de Burgh SP. **Community Health Stud** 1983 Oct;7(3):303–8

Drink-driving—the nexus between social attitudes, social action and research directions. Johnston IR. **Community Health Stud** 1984;8(2):229–33

Alcohol and fatal injuries of the head and spine. McLean AJ, et al. **Community Health Stud** 1984;8(2):159–66

A routine fitting of kinetic data to sums of exponentials with a programmable calculator. Ristanović D, et al. **Comput Biol Med** 1984;14(3):363–76

Roles of chlorpropamide, alcohol and acetaldehyde in determining the chlorpropamide–alcohol flush. Groop L, et al. **Diabetologia** 1984 Jan;26(1):34–8

Chlorpropamide-alcohol flush: a critical reappraisal. Hillson RM, et al. **Diabetologia** 1984 Jan;26(1):6–11

Chlorpropamide—alcohol flush: the case in favour. Johnston C, et al. **Diabetologia** 1984 Jan;26(1):1–5 (34 ref.)

To flush or not to flush? Comments on the chlorpropamide-alcohol flush. Waldhäusl W. **Diabetologia** 1984 Jan;26(1):12–4

Drinking patterns and alcohol problems among Hispanics in the U.S.: a review. Caetano R. **Drug Alcohol Depend** 1983 Aug;12(1):37–59

Soft drug use prior to and during pregnancy: a comparison of samples over a four-year period. Fried PA, et al. **Drug Alcohol Depend** 1984 Mar;13(2):161–76

(—)-alpha-Acetylmethadol effects on alcohol and diazepam use, sexual function and cardiac function. Hargreaves WA, et al. **Drug Alcohol Depend** 1983 Dec;12(4):323–32

Self assessment of social competence in situations with and without alcohol by female alcoholics in treatment. Rist F, et al. **Drug Alcohol Depend** 1983 Jun;11(3–4):367–71

Sports and clean living: a useful myth? Rooney JF. **Drug Alcohol Depend** 1984 Jan;13(1):75–87

Temporal changes in plasma levels and metabolism of ketone bodies by liver and brain after ethanol and/or starvation in C57BL/6J mice. Schreiber RA, et al. **Drug Alcohol Depend** 1984 Mar;13(2):151–60

Signs and symptoms of hangover: prevalence and relationship to alcohol use in a general adult population. Smith CM, et al. **Drug Alcohol Depend** 1983 Jun;11(3–4):249–69

Relationship of family history of alcoholism to patterns of drinking and physical dependence in male alcoholics. Volicer L, et al. **Drug Alcohol Depend** 1984 May; 13(3):215–23

Relapse rates for former clients of alcoholism rehabilitation units who are drinking without symptoms. Welte JW, et al. **Drug Alcohol Depend** 1983 Aug;12(1):25–9

Alcohol misuse and abuse among the elderly. Lamy PP. **Drug Intell Clin Pharm** 1984 Jul–Aug;18(7–8):649–51 (43 ref.)

Maternal diseases, alcohol consumption and smoking during pregnancy associated with reduction limb defects. Aro T. **Early Hum Dev** 1983 Dec;9(1):49–57

Driving and the combined use of drugs and alcohol in The Netherlands. Neuteboom W, et al. **Forensic Sci Int** 1984 Jun;25(2):93–104

Chronic pancreatitis, pancreatic cancer, alcohol, and smoking [letter] Lowenfels AB. **Gastroenterology** 1984 Sep; 87(3):744–5

Impairment of primary hemostasis and platelet function after alcohol ingestion in man. Elmér O, et al. **Haemostasis** 1984; 14(2):223–8

Alcohol consumption as a risk factor for high blood pressure. Munich Blood Pressure Study. Cairns V, et al. **Hypertension** 1984 Jan–Feb;6(1):124–31

Test construction procedures for evaluating alcohol education: the 'Decisions and Drinking' program. Albert WG, et al. **Int J Addict** 1983 Oct;18(7):1019–27

The effect of perceived neighborhood setting on self-reported tobacco, alcohol, and marijuana use among inner-city minority junior high school youth. Blount WR, et al. **Int J Addict** 1984 Apr;19(2):175–98

A contextual analysis of drinking events. Harford TC. **Int J Addict** 1983 Aug;18(6):825–34

Drinking in bars: an observational study of companion status and drinking behavior. Harford TC, et al. **Int J Addict** 1983 Oct;18(7):937–50

'Never believe an alcoholic'? On the validity of self-report measures of alcohol dependence and related constructs. Hesselbrock M, et al. **Int J Addict** 1983 Jul;18(5):593–609

Alcohol consumption while viewing alcoholic beverage

advertising. McCarty D, et al. **Int J Addict** 1983 Oct; 18(7):1011–8
Social ease in drinking situations among college students. Shore ER. **Int J Addict** 1983 Aug;18(6):875–80
Liver damage, alcohol use, and diagnosis. Sickora S, et al. **Int J Addict** 1983 Jul;18(5):753–8
Female bartenders: their perspectives on bartending and alcohol use. Waring ML, et al. **Int J Addict** 1983 May; 18(4):455–64
Activity and electrophoretic profiles of brain aldehyde dehydrogenases in mice genetically selected for their ethanol preference. Yamazaki H, et al. **Int J Biochem** 1984; 16(2):247–52
Oesophageal cancer in non-smoking drinkers and in non-drinking smokers. Tuyns AJ. **Int J Cancer** 1983 Oct 15;32(4):443–4
The relationship between alcohol and mortality among Japanese physicians. Kono S, et al. **Int J Epidemiol** 1983 Dec;12(4):437–41
Alcohol and coronary heart disease. Marmot MG. **Int J Epidemiol** 1984 Jun;13(2):160–7 (32 ref.)
Alcohol, beer and lung cancer—a meaningful relationship? Potter JD, et al. **Int J Epidemiol** 1984 Jun;13(2):240–2 (30 ref.)
Greater risk of ascitic cirrhosis in females in relation to alcohol consumption. Tuyns AJ, et al. **Int J Epidemiol** 1984 Mar;13(1):53–7
Population change and public drinking in three rural communities. Carman RS. **Int J Soc Psychiatry** 1983 Winter;29(4):299–305
Self-awareness, self-regulation, and alcohol consumption: a reply to Wilson. Hull JG, et al. **J Abnorm Psychol** 1983 Nov;92(4):514–9
Effects of alcohol versus expectancy for alcohol on the incidence of graffiti following an experimental task. Korytnyk NX, et al. **J Abnorm Psychol** 1983 Aug; 92(3):382–5
Behavioral theories of choice as a framework for studying drinking behavior. Vuchinich RE, et al. **J Abnorm Psychol** 1983 Nov;92(4):408–16
Self-awareness, self-regulation, and alcohol consumption: an analysis of J. Hull's model. Wilsom GT. **J Abnorm Psychol** 1983 Nov;92(4):505–13
Subcultural differences in alcohol use among youth. Morgan MC, et al. **J Adolesc Health Care** 1984 Jul;5(3):191–5
Ethyl esters of arylhydroxy- and arylhydroxymethoxycocaines in the urines of simultaneous cocaine and ethanol users. Smith RM. **J Anal Toxicol** 1984 Jan–Feb;8(1):38–42
Relation of alcohol and cigarette consumption to blood pressure and serum creatinine levels. Savdie E, et al. **J Chronic Dis** 1984;37(8):617–23
Alcohol intake and hypertension among urban and rural Japanese populations. Ueshima H, et al. **J Chronic Dis** 1984; 37(7):585–92
Alcohol and hypertension [letter] Ueshima H, et al. **J Chronic Dis** 1984;37(7):597–8
Excessive consumption of alcohol in men as a biological influence factor in clinical laboratory investigations. Stamm D, et al. **J Clin Chem Clin Biochem** 1984 Jan;22(1):65–77
Pre-accident medication and alcohol in burn and other accident victims. White AC. **J Clin Hosp Pharm** 1983 Sep; 8(3):301–3
Awareness of situational effects on drinking. Murdoch DD, et al. **J Clin Psychol** 1984 Mar;40(2):617–8
Brief assessment of drinking problems in male and female psychiatric inpatients. Zung BJ. **J Clin Psychol** 1983 Nov; 39(6):1035–7
Pharmacokinetic noninteraction of triazolam and ethanol. Ochs HR, et al. **J Clin Psychopharmacol** 1984 Apr; 4(2):106–7
Broad-spectrum behavioral treatment for chronic alcoholics: effects of training controlled drinking skills. Foy DW, et al. **J Consult Clin Psychol** 1984 Apr;52(2):218–30
Drinking habits and expectancies about alcohol's effects for self versus others. Rohsenow DJ. **J Consult Clin Psychol** 1983 Oct;51(5):752–6
Alcohol consumption and outcome of pregnancy. Grisso JA, et al. **J Epidemiol Community Health** 1984 Sep;38(3):232–5
Medical professionals helping with the drunk driving problem. Onder JJ. **J Fla Med Assoc** 1984 Apr;71(4):255–60
Discussion of 'The use of marihuana, ethanol, and other drugs among drivers killed in single vehicle crashes' [letter] Green GS. **J Forensic Sci** 1984 Jan;29(1):16
Nomograms for relating blood and urine alcohol concentrations with quantity of alcohol consumed. King LA. **J Forensic Sci Soc** 1983 Jul;23(3):213–7
The stress-buffering role of alcohol consumption: the importance of symptom dimension. Neff JA. **J Human Stress** 1984 Spring;10(1):35–42
The effect of alcohol on memory for feelings: does it really help users to forget? Mueller CW, et al. **J Nerv Ment Dis** 1984 Apr;172(4):225–7
Maternal alcohol ingestion and neural tube defects [letter] Castro-Gago M, et al. **J Pediatr** 1984 May;104(5):796–7
Differential patterns of alcohol abuse among normal, neurotic, psychotic, and characterological types. Robyak JE, et al. **J Pers Assess** 1984 Apr;48(2):132–6
Patterns of ethanol consumption as a function of the schedule of ethanol access. Marcucella H, et al. **J Pharmacol Exp Ther** 1984 Sep;230(3):658–64
Drinking and smoking on television, 1950–1982. Breed W, et al. **J Public Health Policy** 1984 Jun;5(2):257–70
International perspectives on alcohol as a public health issue. Single E. **J Public Health Policy** 1984 Jun;5(2):238–56
Parental influences upon alcohol use by teenagers in Benin City, Nigeria. Oshodin OG. **J R Soc Health** 1984 Jun; 104(3):106–7, 110
Alcohol education in schools: toward a lifestyle risk-reduction approach. Thompson ML, et al. **J Sch Health** 1984 Feb;54(2):79–83
A three component alcohol attitude scale. Veenker CH, et al. **J Sch Health** 1984 May;54(5):204–7
Alcohol and other drug use and automobile safety: a survey of Boston-area teen-agers. Wechsler H, et al. **J Sch Health** 1984 May;54(5):201–3
A discriminant-function analysis of screening tests for excessive drinking and alcoholism. Bernadt MW, et al. **J Stud Alcohol** 1984 Jan;45(1):81–6
Predicting undergraduates' intentions to drink. Budd RJ, et al. **J Stud Alcohol** 1984 Mar;45(2):179–83
Alcohol consumption and the duration of systolic time intervals in middle-aged men. Cambien F, et al. **J Stud Alcohol** 1983 Jul;44(4):591–9
Drinking and occupational status in New Zealand men. Casswell S, et al. **J Stud Alcohol** 1984 Mar;45(2):144–8
Self-reported alcohol consumption and dissimulation in a Scottish urban sample. Cooke DJ, et al. **J Stud Alcohol** 1983 Jul;44(4):617–29
Progress toward initiating and maintaining high-dose alcohol drinking in monkey social groups. Crowley TJ, et al. **J Stud Alcohol** 1983 Jul;44(4):569–90
Drinking behavior, personality factors and high-risk driving. A review and theoretical formulation. Donovan DM, et al. **J Stud Alcohol** 1983 May;44(3):395–428
Rajput alcohol use in India. Dorschner J. **J Stud Alcohol** 1983 May;44(3):538–44
Rethinking the measurement of drinking patterns. Dunham RG. **J Stud Alcohol** 1983 May;44(3):485–93
Maturational and generational changes in drinking behavior and attitudes in Iowa, 1961–1979. Fitzgerald JL, et al. **J Stud Alcohol** 1983 May;44(3):476–84
Correlates of loss of control over drinking in women alcoholics. Fortin MT, et al. **J Stud Alcohol** 1983 Sep; 44(5):787–96
A survey analysis of first intoxication experiences. Fromme K, et al. **J Stud Alcohol** 1983 Sep;44(5):905–10
Social contexts and motives for drinking in men. Glynn RJ, et al. **J Stud Alcohol** 1983 Nov;44(6):1011–25
Three approaches to alcohol education. Goodstadt MS, et al. **J Stud Alcohol** 1983 Mar;44(2):362–80
Alcohol consumption and cognitive functioning in college students. Hannon R, et al. **J Stud Alcohol** 1983 Mar; 44(2):283–98
The structural context of college drinking. Harford TC, et al. **J Stud Alcohol** 1983 Jul;44(4):722–32
Alcohol consumption among Mexican American and Anglo women: results of a survey along the U.S.—Mexico border. Holck SE, et al. **J Stud Alcohol** 1984 Mar;45(2):149–54
The role of alcohol in accidental falls. Honkanen R, et al. **J Stud Alcohol** 1983 Mar;44(2):231–45
Deficient slowing of the heart among very heavy social drinkers. Johnston LC, et al. **J Stud Alcohol** 1983 May; 44(3):505–14
Styles of drinking and types of drinkers. Kilty KM. **J Stud Alcohol** 1983 Sep;44(5):797–816
New evidence on controlling alcohol use through price. Levy D, et al. **J Stud Alcohol** 1983 Nov;44(6):929–37
Attitudes, beliefs and alcohol use. An analysis of relationships. McCarty D, et al. **J Stud Alcohol** 1983 Mar; 44(2):328–41
Alcohol and cognition; some preliminary observations. Mann RE, et al. **J Stud Alcohol** 1983 Sep;44(5):900–5
Changes in the climate of attitudes toward drinking in Iowa, 1961–1979. Mulford HA, et al. **J Stud Alcohol** 1983 Jul; 44(4):675–87
Variability in blood alcohol concentrations. Implications for estimating individual results. O'Neill B, et al. **J Stud Alcohol** 1983 Mar;44(2):222–30
Alcohol problems among employed men and women in metropolitan Detroit. Parker DA, et al. **J Stud Alcohol** 1983 Nov;44(6):1026–39
Drinking as activity. An interactionist analysis. Prus R. **J Stud Alcohol** 1983 May;44(3):460–75
Sex differences in motivations for and effects of drinking among college students. Ratliff KG, et al. **J Stud Alcohol** 1984 Jan;45(1):26–32
A critical reexamination of the adolescent alcohol involvement scale. Riley K, et al. **J Stud Alcohol** 1984 Mar; 45(2):184–9
Resistance by college students to peer pressure to drink. Shore ER, et al. **J Stud Alcohol** 1983 Mar;44(2):352–61
Accuracy of retrospective measurement of individual alcohol consumption in men; a reinterview after 18 years. Simpura J, et al. **J Stud Alcohol** 1983 Sep;44(5):911–7
Children's attitudes toward alcohol. Spiegler DL. **J Stud Alcohol** 1983 May;44(3):545–52
Relationships between moderate maternal alcohol consumption during pregnancy and infant neurological development. Staisey NL, et al. **J Stud Alcohol** 1983 Mar; 44(2):262–70
The effects of alcohol, marihuana and their combination on driving ability. Sutton LR. **J Stud Alcohol** 1983 May; 44(3):438–45
Drinking patterns in multiethnic South African society. van der Burgh C. **J Stud Alcohol** 1983 May;44(3):446–59
Response measures of social drinking. Research implications and applications. Vogel-Sprott M. **J Stud Alcohol** 1983 Sep; 44(5):817–36
Alcohol consumption and alcoholic psychoses in Poland. Wald I, et al. **J Stud Alcohol** 1983 Nov;44(6):1040–8
Alcohol use patterns of graduate students in social work and in business. Waring ML, et al. **J Stud Alcohol** 1984 May; 45(3):268–71
'Serious drinking,' 'white man's drinking' and 'teetotaling': drinking levels in styles in an urban American Indian population. Weisner TS, et al. **J Stud Alcohol** 1984 May; 45(3):237–50
Stress experiences and drinking histories of elderly drunken-driving offenders. Wells-Parker E, et al. **J Stud Alcohol** 1983 May;44(3):429–37
Dose-response effects of ethanol on the sleep of young women. Williams DL, et al. **J Stud Alcohol** 1983 May; 44(3):515–23
National study of the demography of adolescent drinking practices in 1980. Zucker RA, et al. **J Stud Alcohol** 1983 Nov;44(6):974–85
Any alcohol involvement 'unacceptable' in aviation [news] Gunby P. **JAMA** 1984 Oct 12;252(14):1835–7
Ethyl alcohol—ancient plague and modern poison [editorial] Lundberg GD. **JAMA** 1984 Oct 12;252(14):1911–2
National policy, attitudes undergo some changes in regard to drinking [news] Marwick C. **JAMA** 1984 Oct 12; 252(14):1829–31
Maternal alcohol consumption and birth weight. How much drinking during pregnancy is safe? Mills JL, et al. **JAMA** 1984 Oct 12;252(14):1875–9
Selective suppression of schedule-induced ethanol drinking by antialcoholic drugs in rats. Kuribara H, et al. **Jpn J Pharmacol** 1984 Jun;35(2):123–8
Alcohol as a social drug and health hazard. Comfort A. **Lancet** 1984 Feb 25;1(8374):443–4
Effect of alcohol consumption on hepatic aldehyde dehydrogenase activity in alcoholic patients. Jenkins WJ, et al. **Lancet** 1984 May 12;1(8385):1048–9
Alcohol, smoking, and sex [letter] Skrabanek P. **Lancet** 1984 Mar 17;1(8377):636
Dietary ascorbic acid deficiency in guinea pigs: no effect on ethanol preference, spiroperidol binding, or monoamine oxidase activity. Dolinsky ZS, et al. **Life Sci** 1984 May 28;34(22):2159–64
Prenatal alcohol exposure alters enkephalin levels, without affecting ethanol preference. McGivern RF, et al. **Life Sci** 1984 Feb 6;34(6):585–9
Variation in mortality from ischemic heart disease in relation to alcohol and milk consumption. Popham RE, et al. **Med Hypotheses** 1983 Dec;12(4):321–9
Alcohol abuse. Social drinking and cognitive impairment [letter] Bowden SC, et al. **Med J Aust** 1984 Feb 4; 140(3):175–6
The hazards of social drinking [editorial] Britton A. **Med J Aust** 1983 Sep 17;2(6):255–6
Results of computerized tomography, psychometric testing and dietary studies in social drinkers, with emphasis on reversibility after abstinence. Cala LA, et al. **Med J Aust** 1983 Sep 17;2(6):264–9
Drowning and alcohol. Pearn J. **Med J Aust** 1984 Jul 7; 141(1):6–7
Developmental aspects of motivation to drink: a cross-sectional investigation. Gliksman L. **Med Law** 1983; 2(4):377–83
The effects of low doses of alcohol on driving performance. Flanagan NG, et al. **Med Sci Law** 1983 Jul;23(3):203–8
Influence of alcohol and sucrose consumption on energy balance and brown fat activity in the rat. Rothwell NJ, et al. **Metabolism** 1984 Aug;33(8):768–71
Cigarette smoking, physical activity, and alcohol consumption: relationship to blood lipids and lipoproteins in premenopausal females. Stamford BA, et al. **Metabolism** 1984 Jul;33(7):585–90
Behavioral-risk-factor surveillance—selected states. Hogelin GC. **MMWR Surveill Summ** 1983 Feb;32(1):11SS–17SS
Association of alcohol consumption and cancer [letter] **N Engl J Med** 1984 Jul 26;311(4):256–7
To drink or not to drink? [letter] **N Engl J Med** 1984 Aug 16;311(7):475
The effect of cessation and resumption of moderate alcohol intake on serum high-density-lipoprotein subfractions. A controlled study. Haskell WL, et al. **N Engl J Med** 1984 Mar 29;310(13):805–10
To drink (moderately) or not to drink? [editorial] Lieber CS. **N Engl J Med** 1984 Mar 29;310(13):846–8
Prospective study of alcohol consumption and cancer. Pollack ES, et al. **N Engl J Med** 1984 Mar 8;310(10):617–21
Adolescent alcohol, marijuana and tobacco use in Nebraska. Newman IM, et al. **Nebr Med J** 1984 Apr;69(4):92–5
Effects of maternal social drinking and smoking on offspring at 13 months. Gusella JL, et al. **Neurobehav Toxicol Teratol** 1984 Jan–Feb;6(1):13–7
Effect of maternal ethanol ingestion on control of growth hormone secretion by biogenic amines in rat offspring. Thadani PV. **Neuroendocrinology** 1984 Apr;38(4):317–21
Serum cholesterol levels in homicidal offenders. A low cholesterol level is connected with a habitually violent tendency under the influence of alcohol. Virkkunen M. **Neuropsychobiology** 1983;10(2–3):65–9

Zimeldine: a review of its effects on ethanol consumption. Amit Z, et al. **Neurosci Biobehav Rev** 1984 Spring; 8(1):35–54 (195 ref.)
Protective effect of citrus fruit on esophageal cancer. Tuyns AJ. **Nutr Cancer** 1983;5(3–4):195–200
Sodium chloride, alcohol, and cancer of the digestive tract. Tuyns AJ. **Nutr Cancer** 1983;5(2):92–5
Beer drinking and the risk of rectal cancer. **Nutr Rev** 1984 Jul;42(7):244–7 (14 ref.)
Early experiences with alcohol: a survey of an eight and nine year old sample. Casswell S, et al. **NZ Med J** 1983 Dec 14;96(745):1001–3
Alcohol abuse [letter] Caughey JE. **NZ Med J** 1984 Feb 8;97(749):89
Infant size at 8 months of age: relationship to maternal use of alcohol, nicotine, and caffeine during pregnancy. Barr HM, et al. **Pediatrics** 1984 Sep;74(3):336–41
Prolonged effects of maternal alcohol ingestion on the neonata' electroencephalogram. Loffe S, et al. **Pediatrics** 1984 Sep;74(3):330–5
Gastroschisis in a case of dizygotic twins: the possible role of maternal alcohol consumption. Sarda P, et al. **Pediatrics** 1984 Jul;74(1):94–6
Effect of chronic vasopressin treatment on alcohol drinking of Brattleboro HZ and DI rats. Myers RD, et al. **Peptides (Fayetteville)** 1983 May–Jun;4(3):359–66
Food, drugs, and alcohol—a common temporal pattern of use. Sinnett ER, et al. **Percept Mot Skills** 1983 Oct; 57(2):375–9
Tetrahydro–beta–carbolines: effect on alcohol intake in rats. Airaksinen MM, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:525–9
Ethanol preference following hypothalamic stimulation: relation to stimulation parameters and energy balance. Atrens DM, et al. **Pharmacol Biochem Behav** 1983 Oct; 19(4):571–5
Effects of minimum–interreinforcer interval on ethanol–maintained performance of rats. Beardsley PM, et al. **Pharmacol Biochem Behav** 1983 Nov;19(5):843–7
Central nervous system noradrenaline metabolism and alcohol consumption in man. Borg S, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:375–8
Long–lasting reduction in ethanol selection after involuntary intake of ethanol/chlordiazepoxide. Chan AW, et al. **Pharmacol Biochem Behav** 1983 Aug;19(2):275–80
Alcohol–preferring rats in colonies show withdrawal, inactivity, and lowered dominance. Ellison G, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:565–70
Evidence against a biphasic effect of acetaldehyde on voluntary ethanol consumption in rats. Eriksson CJ, et al. **Pharmacol Biochem Behav** 1980;13 Suppl 1:291–6
Lack of difference in blood acetaldehyde of alcoholics and controls after ethanol ingestion. Eriksson CJ, et al. **Pharmacol Biochem Behav** 1980;13 Suppl 1:101–5
Interrelationships of alcohol consumption, actions of alcohol, and biochemical traits. Erwin VG, et al. **Pharmacol Biochem Behav** 1980;13 Suppl 1:297–302
Implantation of disulfiram in rats. Hellström E, et al. **Pharmacol Biochem Behav** 1980;13 Suppl 1:73–82
Ethanol–induced changes in the intralobular oxygen gradient of perfused rat liver. Ji S, et al. **Pharmacol Biochem Behav** 1980;13 Suppl 1:41–5
Decrease in ethanol consumption by naloxone in naive and dependent rats. Marfaing–Jallat P, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:537–9
The suppression of ethanol self injection by buprenorphine. Martin A, et al. **Pharmacol Biochem Behav** 1983 Dec; 19(6):985–6
Markers for detecting alcoholism and monitoring for continued abuse. Morgan MY. **Pharmacol Biochem Behav** 1980;13 Suppl 1:1–8
Aversive factors in alcohol drinking in humans and animals. Myers RD, et al. **Pharmacol Biochem Behav** 1980;13 Suppl 1:269–77
Ethanol interaction with drug acetylation in vivo and in vitro. Olsen H, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:295–300
Metabolic factors and preference for ethanol. Ostrovsky YuM, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:531–5
Food deprivation–induced alcohol ingestion in the mouse: calories versus primary sensory preference. Palfai T, et al. **Pharmacol Biochem Behav** 1977 Jun;6(6):709–12
Decreased ethanol consumption as a function of pregnancy and lactation in C57BL mice. Randall CL, et al. **Pharmacol Biochem Behav** 1980;13 Suppl 1:149–53
Effect of prenatal alcohol exposure on consumption of alcohol and alcohol–induced sleep time in mice. Randall CL, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:325–9
Chlordiazepoxide's interaction with ethanol intake in the rat: relation to ethanol exposure paradigms. Roehrs T, et al. **Pharmacol Biochem Behav** 1984 Jun;20(6):849–53
Acute ethanol effects on rat liver tryptophan oxygenase and tyrosine aminotransferase. Rouach H, et al. **Pharmacol Biochem Behav** 1980;13 Suppl 1:139–43
Cardiovascular effects of alcohol. Rubin E. **Pharmacol Biochem Behav** 1980;13 Suppl 1:37–40
The effect of naloxone on intragastric ethanol self–administration. Sinden JD, et al. **Pharmacol Biochem Behav** 1983 Dec;19(6):1045–8
Alcohol use and hypertension. Clinical considerations and implications. Clark LT. **Postgrad Med** 1984 Jun;75(8):273–6
One–year drinking history and mortality. Poikolainen K, et al. **Prev Med** 1983 Sep;12(5):709–14
Circadian rhythms of alcohol dehydrogenase and MEOS in the rat. Sturtevant RP, et al. **Proc Soc Exp Biol Med** 1984 Mar;175(3):299–303
Ethanol preference in mice following acute or chronic ethanol administration. Unwin JW, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(1):179–83
Biochemical and hematological consequences of posttreatment drinking behavior in male alcoholics. Eckardt MJ, et al. **Psychiatry Res** 1983 Jun;9(2):139–48
College students drinking attitudes: 1970–1982. Hanson DJ, et al. **Psychol Rep** 1984 Feb;54(1):300–2
The dependence of the clonidine growth hormone test on alcohol drinking habits and the menstrual cycle. Matussek N, et al. **Psychoneuroendocrinology** 1984;9(2):173–7
Low birth weight, drink, smoking and diet [editorial] **Public Health** 1983 Nov;97(6):307–8
The population attributable risk of hypertension from heavy alcohol consumption. Larbi EB, et al. **Public Health Rep** 1984 May–Jun;99(3):316–9
Smoking and drinking behavior before and during pregnancy of married mothers of live–born infants and stillborn infants. Prager K, et al. **Public Health Rep** 1984 Mar–Apr; 99(2):117–27
The 1990 prevention objectives for alcohol and drug misuse: progress report. Segal M, et al. **Public Health Rep** 1983 Sep–Oct;98(5):426–35
Social models of drinking behavior in animals. The importance of individual differences. Ellison GD, et al. **Recent Dev Alcohol** 1984;2:17–36
Life stressors and problem drinking among older adults. Finney JW, et al. **Recent Dev Alcohol** 1984;2:267–88
Cross–cultural studies of alcohol use. Heath DB. **Recent Dev Alcohol** 1984;2:405–15
A conditioning model of alcohol tolerance. Melchior CL, et al. **Recent Dev Alcohol** 1984;2:5–16
Social correlates of drinking in contrived situations. Paredes A, et al. **Recent Dev Alcohol** 1984;2:37–57
Alcohol–ingestive habits. The role of flavor and effect. Sherman J, et al. **Recent Dev Alcohol** 1984;2:59–79
Present and past alcohol consumption in Calvados (France) [letter] Tuyns AJ, et al. **Rev Epidemiol Sante Publique** 1983; 31(4):487–8
Pancreatic calcification not due to alcohol consumption. A case report. Stein CM. **S Afr Med J** 1984 Mar 31; 65(13):533–4
Alcohol consumption pattern and serum lipids in alcoholic cirrhosis and pancreatitis. A comparative study. Stigendal L, et al. **Scand J Gastroenterol** 1984 Jul;19(5):582–7
Ethanolic beverage consumption, cigarette smoking, nutritional status, and digestive tract cancers. Broitman SA, et al. **Semin Oncol** 1983 Sep;10(3):322–9 (97 ref.)
Attitudes to alcohol consumption: the attribution of addiction. Furnham A, et al. **Soc Sci Med** 1984;18(8):673–81
History of drinking in America. Proctor RC. **South Med J** 1984 Jul;77(7):886–92
Alcohol effects on cell membranes. Alling C. **Subst Alcohol Actions Misuse** 1983;4(2–3):67–72
Social drinking and cognitive function: a review. Noble EP. **Subst Alcohol Actions Misuse** 1983;4(2–3):205–16
Saturday night live: chronicity of alcohol consumption among college students. Rabow J, et al. **Subst Alcohol Actions Misuse** 1984;5(1):1–7
Definitions, models, and methods in research on sociocultural factors in American Indian alcohol use. Walker RD, et al. **Subst Alcohol Actions Misuse** 1984;5(1):9–19
Urban and rural Indian drinking patterns: implications for intervention policy development. Weibel–Orlando J, et al. **Subst Alcohol Actions Misuse** 1984;5(1):45–57
[Nutrition—alcohol—tobacco] Ansiaux, et al. **Arch Belg** 1983;41(11–12):501–3 **(Fre)**
[Modification of vestibular tests by alcohol] Scherer H, et al. **Laryngol Rhinol Otol (Stuttg)** 1983 Dec;62(12):558–60 (Eng. Abstr.) **(Ger)**
[Type specificity of alcoholism. 1. Introduction and review of the literature] Bauer U, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1984 Jan;36(1):1–11 (Eng. Abstr.) **(Ger)**
[Alcohol and changes in the hematopoietic system; an epidemiological contribution to the problem of alcoholic anemia] Heinz R, et al. **Wien Klin Wochenschr** 1983 Sep 16;95(17):624–8 (Eng. Abstr.) **(Ger)**
[Images of the teetotaler and the drinker] Haegele PA. **Z Arztl Fortbild (Jena)** 1984;78(5):191–4 **(Ger)**
[Alcohol consumption and magnesium deficiency] Aschoff JC. **ZFA (Stuttgart)** 1984 Jan 20;60(2):84–7 **(Ger)**
[An epidemiological study on risk factors in peptic ulcer] Misaki F, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Dec;80(12):2504–11 (Eng. Abstr.) **(Jpn)**
[Effects of smoking, alcohol and coffee drinking on the course of peptic ulcer] Nakamura T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Dec; 80(12):2493–503 (Eng. Abstr.) **(Jpn)**
[Influence of alcohol drinking to cerebrovascular disorders] Fukada M, et al. **Rinsho Shinkeigaku** 1983 Oct; 23(10):825–30 (Eng. Abstr.) **(Jpn)**
[Effects of alcohol drinking on mental task performance] Misawa T, et al. **Sangyo Igaku** 1983 Sep;25(5):406–14 (Eng. Abstr.) **(Jpn)**
[Alcohol, life style and health in general practice. The patients' views] Bruusgaard D, et al. **Tidsskr Nor Laegeforen** 1984 Aug 10;104(22):1427–31 (Eng. Abstr.) **(Nor)**
[The alcohol problem in general practice] Bruusgaard D, et al. **Tidsskr Nor Laegeforen** 1984 Aug 10;104(22):1431–5 (Eng. Abstr.) **(Nor)**
[Health and use of tobacco, alcohol and narcotics by prisoners] Haugstad AS. **Tidsskr Nor Laegeforen** 1984 Aug 10;104(22):1401–5 (Eng. Abstr.) **(Nor)**
[Drug and alcohol education among secondary school pupils. An evaluation study in Akershus] Lavik NJ, et al. **Tidsskr Nor Laegeforen** 1984 Jun 10;104(16):1112–6 (Eng. Abstr.) **(Nor)**
[Various aspects of drug addiction among adolescents from different environments] Kubasiewicz A. **Ann Acad Med Stetin** 1983;29:323–40 (64 ref.) (Eng. Abstr.) **(Pol)**
[Changes in the pattern of the consumption of alcoholic beverages in Poland] Bielewicz A. **Psychiatr Pol** 1983 Mar–Apr;17(2):171–8 **(Pol)**
[Features of learning in rats with different levels of ethanol metabolism] Fedurina MA, et al. **Zh Vyssh Nerv Deist** 1983 Nov–Dec;33(6):51156–8 **(Rus)**
[Patterns of drinking in Mexicans. Results of a WHO research study] Calderón Narváez G. **Acta Psiquiatr Psicol Am Lat** 1983 Sep;29(3):193–206 (Eng. Abstr.) **(Spa)**
[Transcultural comparison of habits and attitudes associated with alcohol consumption in 2 rural zones of Honduras and Mexico] Natera G, et al. **Acta Psiquiatr Psicol Am Lat** 1983 Jun;29(2):116–27 (Eng. Abstr.) **(Spa)**
[Infantile alcohol consumption in 2 urban populations] Albornoz C, et al. **Rev Chil Pediatr** 1984 Jan–Feb; 55(1):11–3 (Eng. Abstr.) **(Spa)**
[Abnormal drinking of workers in a mine of the Gran Mineria del Cobre] Vega MS, et al. **Rev Med Chil** 1983 Feb; 111(2):193–200 (Eng. Abstr.) **(Spa)**
[Behavior of the arterial pressure in patients taking atenolol and propranolol under the influence of alcohol] Guevara F. **Rev Med Panama** 1983 Sep;8(3):175–80 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Ethanol preference in rats with a prior history of acetaldehyde self–administration. Myers W, et al. **Experientia** 1984 Sep 15;40(9):1008–10

PHYSIOLOGY

Ethanol metabolism in heavy drinkers after massive and moderate alcohol intake. Keiding S, et al. **Biochem Pharmacol** 1983 Oct 15;32(20):3097–102
Growth of rat embryos in the serum of alcohol drinkers. Beck F, et al. **Ciba Found Symp** 1984;105:218–33
Ethanol consumption and serum lipid profiles in Sinclair(S–1) miniature swine. Foudin L, et al. **Life Sci** 1984 Feb 27; 34(9):819–26

PREVENTION & CONTROL

Health promotion: Alcohol and drug misuse prevention. **Public Health Rep** 1983 Sep–Oct;Suppl:116–32

ALCOHOL, DRUG ABUSE, AND MENTAL HEALTH ADMINISTRATION (U.S.) see **UNITED STATES ALCOHOL, DRUG ABUSE, AND MENTAL HEALTH ADMINISTRATION**

ALCOHOL, ETHYL

see related

ALCOHOLIC BEVERAGES

Abstracts of the XV Annual Nordic Meeting on Biological Alcohol Research. Helsinki, Finland, May 6–9, 1984. **Acta Pharmacol Toxicol (Copenh)** 1984;55 Suppl 1:27 pages
Ethanol–induced hypothermia and ethanol consumption in the rat are affected by low–level microwave irradiation. Lai H, et al. **Bioelectromagnetics** 1984;5(2):213–20
Steric effects in the coagulation of casein micelles by ethanol. Horne DS. **Biopolymers** 1984 Jun;23(6):989–93
Forensic aspects of ethyl alcohol. Garriott JC. **Clin Lab Med** 1983 Jun;3(2):385–96
A double–blind comparison of the efficacy and safety of lorazepam and diazepam in the treatment of the acute alcohol withdrawal syndrome. Miller WC Jr, et al. **Clin Ther** 1984;6(3):364–71
Effect of two iron–chelators, desferrioxamine and diethylenetriaminepentaacetic acid, on the development of tolerance to the physical dependence on ethanol in mice. Abu–Murad C, et al. **Drug Alcohol Depend** 1983 Dec; 12(4):371–9
Heparinized human umbilical vein grafts. Delayed heparin desorption after alcohol treatment. Esquivel CO, et al. **Eur Surg Res** 1983;15(6):289–96
Silicone rubber membrane for extraction of high vapor tension toxic substances. Experiences with ammonia and ethanol. Zonta A, et al. **Eur Surg Res** 1984;16(3):187–93
Scandinavian experience differs [letter] Nyström B. **Infect Control** 1984 May;5(5):211
Ethanol, an efficient coolant for rapid freezing of biological material. Marchese–Ragona SP. **J Microsc** 1984 May;134 (Pt 2):169–71

The effects of ethanol dependence on drug responsiveness of mouse isolated vas deferens. de Moraes S, et al. **J Pharm Pharmacol** 1984 Jan;36(1):70–2

Excess free energy approach to the estimation of solubility in mixed solvent systems III: Ethanol–propylene glycol–water mixtures. Williams NA, et al. **J Pharm Sci** 1984 Jan;73(1):18–23

Excess free energy approach to the estimation of solubility in mixed solvent systems II: Ethanol–water mixtures. Williams NA, et al. **J Pharm Sci** 1984 Jan;73(1):14–8

Metronidazole and alcohol—potential for combinative abuse. Giannini AJ, et al. **J Toxicol Clin Toxicol** 1983 Jul; 20(5):509–15

Antidiuretic effects of oxotremorine microinjected into the hypothalamic supraoptic and paraventricular nuclei in a water–loaded and ethanol–anesthetized rat. Mori M, et al. **Jpn J Pharmacol** 1984 May;35(1):27–36

Gangliosides enhance the membrane actions of ethanol and pentobarbital. Harris RA, et al. **Mol Pharmacol** 1984 May; 25(3):410–7

Alcohol blockade of the inferior dental nerve under radiographic control in the management of trigeminal neuralgia. Littler BO. **Oral Surg** 1984 Feb;57(2):132–5

[The use of a chlorhexidine–alcohol mixture as a hand rinse in a neonatal department] Maarschalk T. S **Afr Med J** 1983 Nov 19;64(22):865–7 (Eng. Abstr.) **(Afr)**

[Determination of congener substances of alcoholic beverages and their metabolites in blood and urine samples] Sprung R, et al. **Beitr Gerichtl Med** 1983;41:219–22 (Eng. Abstr.) **(Ger)**

[Comparative studies on the concentrations of congeners of alcoholic beverages in stomach, blood and urine] Urban R, et al. **Beitr Gerichtl Med** 1983;41:223–7 (Eng. Abstr.) **(Ger)**

[Changes in amenergic transmission processes in the CNS under the effect of alcohol and their possible functional significance] Andreas K, et al. **Z Arztl Fortbild (Jena)** 1984; 78(9):347–9 **(Ger)**

[Embolization with absolute ethanol in the treatment of hepatic metastases] Abate S, et al. **Minerva Chir** 1983 Oct 15;38(19):1617–20 **(Ita)**

['Selective' percutaneous alcohol administration to the Gasserian ganglion in the treatment of trigeminal neuralgia] Longhi P, et al. **Riv Neurobiol** 1982 Jul–Dec;28(3–4):303–8 (Eng. Abstr.) **(Ita)**

[Determination of the development of psychotic dependence to drugs in small animals. 4. Selective drinking of barbital and ethanol solutions by mice] Kosaka N, et al. **Yakubutsu Seishin Kodo** 1982 Dec;2(2):61–8 (Eng. Abstr.) **(Jpn)**

[Incidence of gonorrhea and syphilis among persons with alcohol dependence] Chodynicka B, et al. **Przegl Dermatol** 1983 Mar–Apr;70(2):193–9 (Eng. Abstr.) **(Pol)**

[Relation between alcohol abuse and the prevalence of sexually–transmitted diseases] Markowska–Bernaczyk D, et al. **Przegl Dermatol** 1983 Mar–Apr;70(2):185–91 (Eng. Abstr.) **(Pol)**

[Alcohol dependence syndrome and alcohol–related disability] Zmudzki A. **Psychiatr Pol** 1983 Mar–Apr; 17(2):159–65 **(Pol)**

[Comparative evaluation of the efficacy of various methods of puncture therapy of severe forms of trigeminal neuralgia] Chudnovskii NA. **Zh Vopr Neirokhir** 1983 Nov–Dec; (6):51–3 **(Rus)**

ADMINISTRATION & DOSAGE

Cerebellar histogenesis and synaptic maturation following pre– and postnatal alcohol administration. An electron–microscopic investigation of the rat cerebellar cortex. Volk B. **Acta Neuropathol (Berl)** 1984;63(1):57–65

Occlusion of renal arterial tumor supply with absolute ethanol. Experience with 20 cases. Ekelund L, et al. **Acta Radiol [Diagn] (Stockh)** 1984;25(3):195–201

Transrenal–vein reflux ethanol sclerosis of gastroesophageal varices. Olson E, et al. **AJR** 1984 Sep;143(3):627–8

Pattern of alcohol administration and physical dependence. Le Bourhis B, et al. **Alcoholism (NY)** 1983 Fall;7(4):378–81

A new in vivo model for the evaluation of topical antiseptics on superficial wounds. The effect of 70% alcohol and povidone–iodine solution. Mertz PM, et al. **Arch Dermatol** 1984 Jan;120(1):58–62

Pharmacologic trials in the treatment of cerebellar tremor. Koller WC. **Arch Neurol** 1984 Mar;41(3):280–1

Influence of environmental conditions on exocrine pancreatic response to intravenous injection of ethanol or 2–deoxyglucose in the dog. Sarles H, et al. **Dig Dis Sci** 1984 Jan;29(1):19–25

Acute effects of alcohol, beta blockade, and their combination on left ventricular function and hemodynamics in normal man. Kupari M, et al. **Eur Heart J** 1983 Jul; 4(7):463–71

Self–stimulation and alcohol administered orally or intraperitoneally. De Witte P, et al. **Exp Neurol** 1983 Dec; 82(3):675–82

Is ethanol metabolism affected by oral administration of cimetidine and ranitidine at therapeutic doses? Dobrilla G, et al. **Hepatogastroenterology** 1984 Feb;31(1):35–7

Effect of low doses of ethanol on fetus & fetal milieu in rat. Sreenathan RN, et al. **Indian J Exp Biol** 1983 Mar; 21(3):108–12

Effect of alcohol ingestion on rat brain monoamine levels. Suthanthirarajan N. **Indian J Med Res** 1983 Aug;78:257–60

Effect of chronic alcohol administration on the exocrine pancreas after jejunoileal bypass in the rat. Stock–Damge C, et al. **Int J Obes** 1983;7(5):459–66

Effects of chronic ethanol feeding on the metabolism of tryptophan and nicotinamide in rats. Forchette CA, et al. **J Nutr** 1983 Oct;113(10):1936–45

Formulation of a liquid diet for ethanol studies involving gestation and lactation in the rat. Yeh LC, et al. **J Nutr** 1984 Mar;114(3):634–7

Hemolysis study of aqueous polyethylene glycol 400, propylene glycol and ethanol combinations in vivo and in vitro. Fort FL, et al. **J Parenter Sci Technol** 1984 Mar–Apr;38(2):82–7

Time course of functional tolerance produced in mice by inhalation of ethanol. Goldstein DB, et al. **J Pharmacol Exp Ther** 1983 Oct;227(1):150–3

The effects of midazolam in conjunction with alcohol on iconic memory and free–recall. Subhan Z, et al. **Neuropsychobiology** 1983;9(4):230–4

The suppression of ethanol self injection by buprenorphine. Martin A, et al. **Pharmacol Biochem Behav** 1983 Dec; 19(6):985–6

Motivational properties of ethanol in naive rats as studied by place conditioning. van der Kooy D, et al. **Pharmacol Biochem Behav** 1983 Sep;19(3):441–5

Ethanol preference in mice following acute or chronic ethanol administration. Unwin JW, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(1):179–83

Sequence of alcohol presentation is important in the potentiation of long–term events. Oliver AP, et al. **Psychopharmacology (Berlin)** 1984;82(1–2):52–4

Percutaneous recanalization of an occluded renal artery and delayed ethanol ablation of the kidney resulting in control of hypertension. Denny DF, et al. **Radiology** 1984 May; 151(2):381–2

Intragastric self–infusion of ethanol by ethanol–preferring and –nonpreferring lines of rats. Waller MB, et al. **Science** 1984 Jul 6;225(4657):78–80

Malformations and growth of rat fetuses exposed to brief periods of alcohol in utero. Fernandez K, et al. **Teratogenesis Carcinog Mutagen** 1983;3(6):457–60

Endoscopic hemostasis of gastrointestinal hemorrhage by local application of absolute ethanol: a clinical study. Asaki S, et al. **Tohoku J Exp Med** 1983 Dec;141(4):373–83

Endoscopic control of gastrointestinal hemorrhage by local injection of absolute ethanol: a basic assessment of the procedure. Asaki S, et al. **Tohoku J Exp Med** 1983 Aug; 140(4):339–52

Partial ablation of the kidney by intraarterial ethanol in domestic swine. Ekelund L, et al. **Urol Radiol** 1983; 5(4):233–41

[Percutaneous transcatheter ablation of parathyroid gland tumors by alcohol injection and contrast media infusion] Günther R, et al. **ROFO** 1984 Jan;140(1):27–30 (Eng. Abstr.) **(Ger)**

[Changes in physical capacity and lung function after a single parenteral alcohol dose] Simml G, et al. **Wien Med Wochenschr** 1983 Jul 31;133(13–14):367–70 (Eng. Abstr.) **(Ger)**

[Tissue damage to the exocrine pancreas, formation of protein plugs in rats exposed to chronic alcohol administration] Papp M, et al. **Morphol Igazsagugyi Orv Sz** 1983 Oct; 23(4):277–82 (Eng. Abstr.) **(Hun)**

[Experimental studies on combined chemotherapy with hyperthermia and ethanol for advanced esophageal cancer. II. Effects of combined treatments on tumor growth in tumor–bearing mice] Takiyama W. **Nippon Geka Gakkai Zasshi** 1984 Feb;85(2):110–8 (Eng. Abstr.) **(Jpn)**

[A successfully treated case of huge hepatic cyst by percutaneous instillation of absolute ethanol] Uchiyama N, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1984 Mar 25; 44(3):479–82 (Eng. Abstr.) **(Jpn)**

[Transcatheter embolization with absolute ethanol] Uchiyama N, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1983 Jun; 43(6):770–6 (Eng. Abstr.) **(Jpn)**

[Effects of combined administration of morphine and ethanol on drug selecting behaviors and the development of drug dependence] Tagashira E, et al. **Yakubutsu Seishin Kodo** 1982 Jul;2(1):13–24 (Eng. Abstr.) **(Jpn)**

[Effect of combined administration of diazepam and ethyl alcohol on the morphological picture of the rat liver] Gawlik Z, et al. **Patol Pol** 1983 Jul–Sep;34(3):281–9 (Eng. Abstr.) **(Pol)**

[Morphological changes in murine myocardium after combined administration of ethyl alcohol and chlordiazepoxide (elenium)] Wagrowska–Danilewicz M, et al. **Patol Pol** 1983 Jul–Sep;34(3):313–23 (Eng. Abstr.) **(Pol)**

[Mechanisms of alcohol tolerance and dependence] Kostowski W. **Psychiatr Pol** 1983 Jul–Aug;17(4):341–9 (29 ref.) **(Pol)**

[Effect of ethyl alcohol on the number of oocytes in rat fetuses] Kurilo LF, et al. **Akush Ginekol (Mosk)** 1984 Jul; (7):54–7 (Eng. Abstr.) **(Rus)**

[Comparative characteristics of methods for forced alcoholization of rats] Abdrashitov AKh, et al. **Farmakol Toksikol** 1983 Nov–Dec;46(6):94–8 **(Rus)**

[Effect of a single ethanol administration on the behavior and the RNA–synthesizing activity of the cell nuclei of the cerebral cortex of the rat] Beliavtseva LM, et al. **Farmakol Toksikol** 1984 May–Jun;47(3):38–41 (Eng. Abstr.) **(Rus)**

[Novocaine–alcohol blockade in proctologic disease] Aminev AM, et al. **Khirurgiia (Mosk)** 1983 Oct;(10):108–10 (Eng. Abstr.) **(Rus)**

[Interactions between ethanol and medications] Oleĭnik AN. **Klin Med (Mosk)** 1983 Jul;61(7):21–4 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Bromocriptine in the treatment of the alcohol–withdrawal syndrome. Borg V, et al. **Acta Psychiatr Scand** 1982 Feb; 65(2):101–11

The benzodiazepine/GABA receptor complex during severe ethanol intoxication and withdrawal in the rat. Hemmingsen R, et al. **Acta Psychiatr Scand** 1982 Feb; 65(2):120–6

Evaluation of the differential in vivo toxic effects of ethanol and acetaldehyde on the hypothalamic–pituitary–gonadal axis using 4–methylpyrazole. Gavaler JS, et al. **Alcoholism (NY)** 1983 Summer;7(3):332–6

Bladder cancer and alcoholic beverage consumption. Thomas DB, et al. **Am J Epidemiol** 1983 Nov;118(5):720–7

Administration of intravenous alcohol for prevention of withdrawal in alcoholic burn patients. Hansbrough JF, et al. **Am J Surg** 1984 Aug;148(2):266–9

Obstructive sleep apnea. A common disorder exacerbated by alcohol. Remmers JE. **Am Rev Respir Dis** 1984 Aug; 130(2):153–5

Treatment for alcohol withdrawal syndrome [letter] **Ann Emerg Med** 1983 May;12(5):329–30

Acute alcohol withdrawal complicated by supraventricular tachycardia: treatment with intravenous propranolol. Smile DH. **Ann Emerg Med** 1984 Jan;13(1):53–5

Alcohol–nutrition interaction (1983). Lieber CS. **ASDC J Dent Child** 1984 Mar–Apr;51(2):137–40

Effects of single and repeated alcohol withdrawal on kindling. Carrington CD, et al. **Biol Psychiatry** 1984 Apr; 19(4):525–37

Eosinophilic leukaemia presenting with intolerance of alcohol. Packe GE, et al. **Br Med J [Clin Res]** 1984 Apr 14;288(6424):1123–4

Prevalence of chlorpropamide alcohol flushing [letter] Wiles PG, et al. **Br Med J [Clin Res]** 1984 Jan 28;288(6413):328–9

Maternal alcohol use and neonatal habituation assessed with the Brazelton scale. Streissguth AP, et al. **Child Dev** 1983 Oct;54(5):1109–18 (52 ref.)

Mechanisms of alcohol damage in utero. **Ciba Found Symp** 1984;105:1–296

Preventing fetal alcohol effects: effectiveness of a demonstration project. Little RE, et al. **Ciba Found Symp** 1984;105:254–74

Range of alcohol–induced damage in the developing central nervous system. Pratt OE, et al. **Ciba Found Symp** 1984; 105:142–56

Alcohol exposure in utero and functional deficits in children during the first four years of life. Streissguth AP, et al. **Ciba Found Symp** 1984;105:176–96

Critical periods for alcohol teratogenesis in mice, with special reference to the gastrulation stage of embryogenesis. Sulik KK. **Ciba Found Symp** 1984;105:124–41

The effect of a non–selective lipophilic beta–blocker on the blood pressure and noradrenaline, vasopressin, cortisol and renin release during alcohol withdrawal. Potter JF, et al. **Clin Exp Hypertens [A]** 1984;6(6):1147–60

Gastroduodenal damage due to drugs, alcohol and smoking. Domschke S, et al. **Clin Gastroenterol** 1984 May; 13(2):405–36 (196 ref.)

Abuse potential of halazepam and of diazepam in patients recently treated for acute alcohol withdrawal. Jaffe JH, et al. **Clin Pharmacol Ther** 1983 Nov;34(5):623–30

Diazepam loading: simplified treatment of alcohol withdrawal. Sellers EM, et al. **Clin Pharmacol Ther** 1983 Dec;34(6):822–6

Effect of alcohol withdrawal on blood pressure, plasma renin activity, aldosterone, cortisol and dopamine beta–hydroxylase. Bannan LT, et al. **Clin Sci** 1984 Jun; 66(6):659–63

Double–blind comparison of lorazepam and chlordiazepoxide in the treatment of the acute alcohol abstinence syndrome. Solomon J, et al. **Clin Ther** 1983;6(1):52–8

Changes in myocardial metabolism induced by ethanol administration. Gilmiyarova FN, et al. **Cor Vasa** 1983; 25(3):213–8

Role of luminal alkalinization in repair process of ethanol–induced mucosal damage in rat stomach. Takeuchi K, et al. **Dig Dis Sci** 1983 Nov;28(11):993–1000

Protective action of omeprazole, a benzimidazole derivative, on gastric mucosal damage by aspirin and ethanol in rats. Konturek SJ, et al. **Digestion** 1983;27(3):159–64

Withdrawal seizures in black and white alcoholic patients: intellectual and neuropsychological sequelae. Goldstein G, et al. **Drug Alcohol Depend** 1983 Dec;12(4):349–54

Prostaglandins in alcohol intolerance and hangover. Parantainen J. **Drug Alcohol Depend** 1983 Jun; 11(3–4):239–48 (69 ref.)

Marijuana and alcohol use in pregnancy. Conner CS. **Drug Intell Clin Pharm** 1984 Mar;18(3):233–4 (9 ref.)

Drinking alcohol after viral hepatitis: more precise advice. **Drug Ther Bull** 1983 Nov 18;21(23):89–90

Comparative haemodynamic studies on the acute cardiac

effects of alcohol in the rat and guinea pig. Hepp A, et al. **Eur Heart J** 1984 Jan;5(1):85–9
Enhancement of 1,2-dimethylhydrazine-induced rectal carcinogenesis following chronic ethanol consumption in the rat. Seitz HK, et al. **Gastroenterology** 1984 May;86(5 Pt 1):886–91
The 'holiday heart' syndrome. Nissen MB, et al. **Heart Lung** 1984 Jan;13(1):89–92
Aldehyde dehydrogenase isozyme deficiency and alcohol sensitivity in four different Chinese populations. Goedde HW, et al. **Hum Hered** 1984;34(3):183–6
The effects of midazolam in conjunction with alcohol on sleep, psychomotor performance and car driving ability. Hindmarch I, et al. **Int J Clin Pharmacol Res** 1983; 3(5):323–9
Shock-elicited aggression as a function of early ethanol exposure. Davis SF, et al. **J Gen Psychol** 1984 Jan;110(1st Half):93–8
Neonatal ethanol withdrawal: characteristics in clinically normal, nondysmorphic neonates. Coles CD, et al. **J Pediatr** 1984 Sep;105(3):445–51
Characterization of susceptibility to audiogenic seizures in ethanol-dependent rats after microinjection of gamma-aminobutyric acid (GABA) agonists into the inferior colliculus, substantia nigra or medial septum. Frye GD, et al. **J Pharmacol Exp Ther** 1983 Dec;227(3):663–70
The ethanol withdrawal syndrome: a consequence of lack of substrate for a cerebral Krebs-cycle. Derr RF. **J Theor Biol** 1984 Feb 7;106(3):375–81 (36 ref.)
Increased GH responsiveness to dopamine receptor stimulation in alcohol addicts during the late withdrawal syndrome. Annunziato L, et al. **Life Sci** 1983 Dec 26; 33(26):2651–5
Possible roles of membrane lipids and prostaglandins in alcohol-related headache. Parantainen J. **Med Biol** 1984; 62(1):1–4
Symposium on ethyl alcohol and disease. **Med Clin North Am** 1984 Jan;68(1):3–246
'Cocktail'-coronary care [letter] Daly TJ, et al. **N Engl J Med** 1984 Apr 26;310(17):1123
Acute renal failure caused by alcohol-induced rhabdomyolysis. Haapanen E, et al. **Nephron** 1984; 36(3):191–3
Fulminant polyneuritis after overdose of disulfiram and ethanol. Rothrock JF, et al. **Neurology (NY)** 1984 Mar; 34(3):357–9
Anton's syndrome accompanying withdrawal hallucinosis in a blind alcoholic. Swartz BE, et al. **Neurology (NY)** 1984 Jul;34(7):969–73
Successful treatment of withdrawal symptoms with delta sleep-inducing peptide, a neuropeptide with potential agonistic activity on opiate receptors. Dick P, et al. **Neuropsychobiology** 1983;10(4):205–8
Ethanol in liquid preparations intended for children. **Pediatrics** 1984 Mar;73(3):405–7
Further studies on the role of noradrenergic mechanisms in ethanol withdrawal syndrome in rats. Trzaskowska E, et al. **Pol J Pharmacol Pharm** 1983 Sep–Oct;35(5):351–8
Effects of 6-hydroxydopamine-induced lesions of A10 dopaminergic neurons and neuroleptic or bromocriptine treatment on ethanol withdrawal syndrome in rats. Trzaskowska E, et al. **Pol J Pharmacol Pharm** 1983 Sep–Oct;35(5):339–49
Effect of naloxone administration upon responses of adrenal hormones to withdrawal from ethanol. Guaza C, et al. **Psychopharmacology (Berlin)** 1984;82(3):181–4
Electroencephalographic and behavioral correlates in rats during repeated ethanol withdrawal syndromes. Poldrugo F, et al. **Psychopharmacology (Berlin)** 1984;83(2):140–6
Adrenal ablation by retrograde venous ethanol injection: an ineffective and dangerous procedure. Doppman JL, et al. **Radiology** 1984 Mar;150(3):667–72
Ethanol-induced mucosal injury in rabbit oesophagus. Salo JA. **Scand J Gastroenterol** 1983 Sep;18(6):713–21
Prenatal alcohol exposure alters adult expression of sexually dimorphic behavior in the rat. McGivern RF, et al. **Science** 1984 May 25;224(4651):896–8
Clonidine enhancement of ethanol withdrawal in mice. Blum K, et al. **Subst Alcohol Actions Misuse** 1983;4(1):59–63
Ethanol: its adverse effects upon the hypothalamic-pituitary-gonadal axis. Gavaler JS, et al. **Subst Alcohol Actions Misuse** 1983;4(2–3):97–110
Hepatic mixed function oxygenase activity and glutathione S-transferase activity in mice following ethanol consumption and withdrawal. Schnellmann RG, et al. **Toxicology** 1984 Aug;32(2):105–16
[Effect of tiapride in acute manifestations of alcohol withdrawal] de Figueiredo R. **Sem Hop Paris** 1983 Oct 13;59(36):2551–4 (Eng. Abstr.) **(Fre)**
[Hematopoiesis and the immune system as affected by alcohol] Heidemann E. **Dtsch Med Wochenschr** 1984 Aug 17;109(33):1247–8 **(Ger)**
[The effect of solvents on the respiratory tract – review of the literature with special reference to aliphatic halogenated hydrocarbons and toluene, styrene and alcohol] Maintz G, et al. **Z Gesamte Hyg** 1983 Dec; 29(12):706–10 (32 ref.) (Eng. Abstr.) **(Ger)**
[Alcohol and the cardiovascular system. Recent findings] Adamo E, et al. **Minerva Cardioangiol** 1984 Jan–Feb; 32(1–2):35–40 (38 ref.) (Eng. Abstr.) **(Ita)**
[Cyclic adenosine monophosphate (3'5' cAMP) in the alcohol withdrawal syndrome. Clinico-pathogenetic perspectives] Nardoni A, et al. **Minerva Med** 1984 Feb 11;75(5):191–5 (Eng. Abstr.) **(Ita)**
[Alcohol withdrawal syndrome in rats during avoidance training] Iso H. **Yakubutsu Seishin Kodo** 1983 May; 3(1):23–8 (Eng. Abstr.) **(Jpn)**
[Hepatologic news (4). Liver and alcohol] Juszczyk J. **Pol Tyg Lek** 1983 Dec 12;38(50):1587–90 **(Pol)**
[Dopamine beta-hydroxylase activity in the alcohol withdrawal syndrome] Soszyńska D, et al. **Psychiatr Pol** 1983 Mar–Apr;17(2):141–6 (Eng. Abstr.) **(Pol)**
[Cardionecrotic effect of ethanol, acetaldehyde and teturam in acute experiments on rats] Zabirova IG. **Kardiologiia** 1983 Sep;23(9):90–2 (Eng. Abstr.) **(Rus)**
[Fetal alcohol syndrome as a cause of preventable mental retardation] Mena M, et al. **Rev Chil Pediatr** 1984 Mar–Apr; 55(2):114–23 (Eng. Abstr.) **(Spa)**
[Alcoholic ketoacidosis. Report of a case and physiopathologic considerations] Trejo-Gutiérrez JF, et al. **Rev Invest Clin** 1983 Oct–Dec;35(4):301–3 (Eng. Abstr.) **(Spa)**
[Is there an association between diabetic retinopathy and the chlorpropamide-alcohol-flushing syndrome?] Zahr M, et al. **Rev Med Chil** 1983 Mar;111(3):235–9 (Eng. Abstr.) **(Spa)**

ANALOGS & DERIVATIVES

Influence of anti-oestrogens on gonadotrophin secretion in control and ACTH-infused immature rats. Mann DR, et al. **Acta Endocrinol (Copenh)** 1984 Mar;105(3):308–13
Short-term-toxicity of 4-methyl-1-phenylpentan-2-ol in rats. Ford GP, et al. **Food Chem Toxicol** 1983 Aug; 21(4):441–7
Effects of various exposure levels of 2-phenylethanol on fetal development and survival in Long-Evans rats. Mankes RF, et al. **J Toxicol Environ Health** 1983 Aug–Sep; 12(2–3):235–44
Acute toxicity of fluorinated ether anesthetics: role of 2,2,2-trifluoroethanol and other metabolites. Murphy MJ, et al. **Toxicol Appl Pharmacol** 1983 Oct;71(1):84–92
[Carcinogenic activity of ethylene oxide and its reaction products 2-chlorethanol, 2-bromoethanol, ethylene glycol and diethylene glycol. II. Testing of 2-chlorethanol and 2-bromoethanol for carcinogenic activity] Dunkelberg H. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Apr; 177(3–4):269–81 (Eng. Abstr.) **(Ger)**

ANALYSIS

Enzymatic measurement of ethanol or NAD in acid extracts of biological samples. Cornell NW, et al. **Anal Biochem** 1983 Jul 15;132(2):418–23
Extended linearity of the sigma procedure for ethanol determination [letter] Taylor EH, et al. **Clin Chem** 1984 Feb;30(2):334
Blood, bone marrow and eye fluid ethanol concentrations in putrefied rabbits. Winek CL, et al. **Forensic Sci Int** 1983 Aug–Sep;22(2–3):151–9
The influence of physical properties and lipid content of bile on the human blood/bile ethanol ratio. Winek CL, et al. **Forensic Sci Int** 1983 Aug–Sep;22(2–3):171–8
Response of breath-alcohol analyzers to acetone. Dubowski KM, et al. **J Anal Toxicol** 1983 Sep–Oct;7(5):231–4
Determination of liquid/air partition coefficients for dilute solutions of ethanol in water, whole blood, and plasma. Jones AW. **J Anal Toxicol** 1983 Jul–Aug;7(4):193–7
A study using body fluids to determine blood alcohol. Stone BE, et al. **J Anal Toxicol** 1984 Mar–Apr;8(2):95–6
Discussion of 'The trapping, storing, and subsequent analysis of ethanol in in-vitro samples previously analysed by a nondestructive technique' [letter] O'Donnell JF, et al. **J Forensic Sci** 1984 Jan;29(1):3–7
Blood:breath ethanol ratios [letter] Isaacs MD, et al. **Lancet** 1984 Sep 15;2(8403):639–40
Methane and the infra-red breath alcohol analyser [letter] Marks V. **Lancet** 1984 Jul 7;2(8393):50
Bladder beer—a new clinical observation. Mulholland JH, et al. **Trans Am Clin Climatol Assoc** 1983;95:34–9
[Forensic medicine diagnosis of death caused by burns in severely charred cadavers. Determination of ethanol, toluol and propane in experimentally severely burned animal organs] Nagano T, et al. **Beitr Gerichtl Med** 1983;41:67–74 (Eng. Abstr.) **(Ger)**
[An experimental study on the ethanol ratio of breath to blood] Tsukamoto S, et al. **Nippon Hoigaku Zasshi** 1983 Dec;37(6):823–9 (Eng. Abstr.) **(Jpn)**
[Methods of determining the ethanol content of biological substrates (brief review of the literature)] Velmer SA. **Lab Delo** 1983;(12):20–3 (9 ref.) (Eng. Abstr.) **(Rus)**
[Distribution of ethanol in cadaver organs in death from acute alcoholic intoxication] Lavreshin An, et al. **Sud Med Ekspert** 1983 Oct–Dec;26(4):34–6 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Naloxone-ethanol interaction in experimental and clinical situations. Nuotto E, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Apr;54(4):278–84
Protective effect of acetaminophen against aspirin- and ethanol-induced damage to the human gastric mucosa. Stern AI, et al. **Gastroenterology** 1984 Apr;86(4):728–33
Effect of sucralfate on ethanol-induced gastric mucosal damage in the rat. Nagashima R, et al. **Scand J Gastroenterol [Suppl]** 1983;83:17–20
[Phospholipids and their complexes as correctors of the combined hepatotropic action of ethanol and tuberculostatic drugs] Ortenberg EA, et al. **Probl Tuberk** 1983 Jul;(7):59–62 (Eng. Abstr.) **(Rus)**

BLOOD

Menstrual cycle, tolerance and blood alcohol level discrimination ability. Hay WM, et al. **Addict Behav** 1984; 9(1):67–77
Elevated concentrations of ethanol in plasma do not suppress voluntary ethanol consumption in C57BL mice. Gentry RT, et al. **Alcoholism (NY)** 1983 Fall;7(4):420–3
Impaired ethanol metabolism with advancing age. Hahn HK, et al. **Alcoholism (NY)** 1983 Summer;7(3):299–301
Estimated lethal ethanol concentrations in relation to age, aspiration, and drugs. Poikolainen K. **Alcoholism (NY)** 1984 Mar–Apr;8(2):223–5
Acute effects of alcohol on female sex hormones. Välimäki M, et al. **Alcoholism (NY)** 1983 Summer;7(3):289–93
Ethanol in sequestered hematomas: quantitative evaluation. Eisele JW, et al. **Am J Clin Pathol** 1984 Mar;81(3):352–5
A new photometric assay for blood alcohol. Kovář J, et al. **Anal Biochem** 1984 Feb;137(1):74–9
Comparison of rat blood preparation methods for acetaldehyde assay. La Droitte P, et al. **Anal Biochem** 1983 Nov;135(1):180–5
Accuracy and usefulness of a breath alcohol analyzer. Gibb KA, et al. **Ann Emerg Med** 1984 Jul;13(7):516–20
Subjective responses to alcohol in sons of alcoholics and control subjects. Schuckit MA. **Arch Gen Psychiatry** 1984 Sep;41(9):879–84
Survival after high blood alcohol levels. Association with first-order elimination kinetics. O'Neill S, et al. **Arch Intern Med** 1984 Mar;144(3):641–2
Delayed ethanol elimination from rat blood after treatment with thiram, tetramethylthiuram monosulfide, ziram, or cyanamide. Römer KG, et al. **Bull Environ Contam Toxicol** 1984 May;32(5):537–42
Effect of short-term storage conditions on alcohol concentrations in blood from living human subjects. Winek CL, et al. **Clin Chem** 1983 Nov;29(11):1959–60
Sex differences in the metabolism of ethanol and acetaldehyde in normal subjects. Arthur MJ, et al. **Clin Sci** 1984 Oct;67(4):397–401
Roles of chlorpropamide, alcohol and acetaldehyde in determining the chlorpropamide-alcohol flush. Groop L, et al. **Diabetologia** 1984 Jan;26(1):34–8
The stability of ethyl alcohol in forensic blood specimens. Chang RB, et al. **J Anal Toxicol** 1984 Mar–Apr;8(2):66–7
Evaluation of the methadone-alcohol interaction. I. Alterations of plasma concentration kinetics. Donnelly B, et al. **J Anal Toxicol** 1983 Sep–Oct;7(5):246–8
Role of rebreathing in determination of the blood–breath ratio of expired ethanol. Jones AW. **J Appl Physiol** 1983 Oct;55(4):1237–41
Pharmacokinetic noninteraction of triazolam and ethanol. Ochs HR, et al. **J Clin Psychopharmacol** 1984 Apr; 4(2):106–7
Non-steady state placental transfer of highly diffusible molecules. Wilkening RB, et al. **J Dev Physiol** 1984 Apr; 6(2):121–9
The analysis of metronidazole in human serum: an unusual overdose case. Siegel JA, et al. **J Forensic Sci** 1984 Apr; 29(2):639–43
Variability in blood alcohol concentrations. Implications for estimating individual results. O'Neill B, et al. **J Stud Alcohol** 1983 Mar;44(2):222–30
Rate of alcohol metabolism; do not 'correct' the beta 60 estimate for comparisons among ethnic groups. Wilson JR, et al. **J Stud Alcohol** 1983 Nov;44(6):1093–6
Leads from the MMWR. Blood alcohol concentrations among young drivers—United States, 1982. **JAMA** 1984 Jan 6;251(1):23
Acetaldehyde-mediated alcohol sensitivity and elevation of plasma catecholamine in man. Adachi J, et al. **Jpn J Pharmacol** 1983 Jun;33(3):531–9
Blood: breath ethanol ratios [letter] Gatt JA. **Lancet** 1984 Jul 28;2(8396):227–8
Compulsory blood alcohol testing [letter] **Med J Aust** 1983 Oct 29;2(9):417
Alcohol and accidental drowning. A 25-year study. Plueckhahn VD. **Med J Aust** 1984 Jul 7;141(1):22–5
.05% or 0.08%? [letter] Smith DI. **Med J Aust** 1984 Feb 4;140(3):176–7
Serum vs breath alcohol levels and accidental injury: analysis among US Army personnel in an emergency room setting. James JJ, et al. **Milit Med** 1984 Jul;149(7):369–74
Blood alcohol concentrations among young drivers—United States, 1982. **MMWR** 1983 Dec 16;32(49):646–8
Low levels of blood alcohol and fetal myocardial function. Urfer FN, et al. **Obstet Gynecol** 1984 Mar;63(3):401–4
Blood alcohol analysis: a comparison of the gas-chromatographic assay with an enzymatic assay. Taylor GF, et al. **Pathology** 1984 Apr;16(2):157–9
Human blood acetaldehyde concentration during ethanol oxidation (update 1982). Eriksson CJ. **Pharmacol Biochem Behav** 1983;18 Suppl 1:141–50
Blood ethanol and acetaldehyde levels in Japanese alcoholics and controls. Harada S, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:139–40

Determination of endogenous ethanol in blood and breath by gas chromatography–mass spectrometry. Jones AW, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:267–72

Alcohol exposure pattern and physical dependence. Le Bourhis B, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:511–4

Elevated blood acetaldehyde in alcoholics with accelerated ethanol elimination. Lindros KO, et al. **Pharmacol Biochem Behav** 1980;13 Suppl 1:119–24

Biological markers: metabolism and acute reactions to alcohol in sons of alcoholics. Schuckit MA. **Pharmacol Biochem Behav** 1980;13 Suppl 1:9–16

Alcohol dehydrogenase (ADH) independent ethanol metabolism in deermice lacking ADH. Shigeta Y, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:195–9

Acute alcohol intoxication, mood states and alcohol metabolism in women and men. Sutker PB, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:349–54

The swift increase in alcohol metabolism (SIAM) in four inbred strains of mice. Thurman RG, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:171–5

Role of hormones in the mechanism of the swift increase in alcohol metabolism in the rat. Yuki T, et al. **Pharmacol Biochem Behav** 1980;13 Suppl 1:67–71

Serial determination of plasma ethanol concentrations in mice. Gentry RT, et al. **Physiol Behav** 1983 Oct; 31(4):529–32

Traffic fatalities in Rhode Island: Part II. The timing of accidents and the role of marital status, alcohol, and psychoactive drugs. Nakabayashi K, et al. **RI Med J** 1984 Apr;67(4):171–8

Acceleration of ethanol metabolism by administration of uridine diphosphate(UDP) in rat. Ishii H, et al. **Subst Alcohol Actions Misuse** 1983;4(5):361–8

Evaluation of the EMIT-st serum ethyl alcohol assay in toxicology. Drost RH, et al. **Vet Hum Toxicol** 1983 Dec; 25(6):412–4

[Epidemiologic observations on the use of alcohol and benzodiazepines] Baedeker C. **Beitr Gerichtl Med** 1983; 41:407–12 (Eng. Abstr.) **(Ger)**

[Comparison of blood alcohol concentration and breath alcohol concentrations (Alcomat) in experimental conditions] Bohn G, et al. **Beitr Gerichtl Med** 1984;42:225–9 (Eng. Abstr.) **(Ger)**

[Proof value of breath alcohol concentration within the scope of indirect blood alcohol determination] Grüner O. **Beitr Gerichtl Med** 1984;42:215–24 (Eng. Abstr.) **(Ger)**

[Evaluation of high methanol level in concomitant alcohol analyses] Iffland R, et al. **Beitr Gerichtl Med** 1984;42:231–6 (Eng. Abstr.) **(Ger)**

[Intoxication of the person at the helm in motor boat traffic in Finland] Penttilä A, et al. **Beitr Gerichtl Med** 1984; 42:113–21 (Eng. Abstr.) **(Ger)**

[Alcohol-induced organ damage. 2: Alcohol metabolism, desired and unwanted alcohol effects, interactions between alcohol and drug metabolism, alcohol embryopathy] Joos W, et al. **Fortschr Med** 1984 Jan 19;102(3):49–52 **(Ger)**

[Posturographic study of alcohol-habituated subjects with different blood alcohol concentrations] Hamann KF, et al. **Laryngol Rhinol Otol (Stuttg)** 1984 Feb;63(2):68–70 (Eng. Abstr.) **(Ger)**

[Course of alcohol concentration in the vascular and extravascular space in the rabbit following subcutaneous implantation of Teflon capsules] Kühnholz B, et al. **Z Rechtsmed** 1983;90(4):259–67 (Eng. Abstr.) **(Ger)**

[Studies on the cases with high levels of blood alcohol] Fukunaga T, et al. **Nippon Hoigaku Zasshi** 1984 Feb; 38(1):64–70 (Eng. Abstr.) **(Jpn)**

[Blood alcohol level in the cases of medico-legal autopsy: its relation to the cause of death and age] Ito A, et al. **Nippon Hoigaku Zasshi** 1983 Feb;37(1):20–35 (Eng. Abstr.) **(Jpn)**

[Relation between acute toxicity of carbon monoxide and environmental temperature and blood alcohol level] Molenda R. **Pol Tyg Lek** 1984 Jan 23;39(4):101–5 (Eng. Abstr.) **(Pol)**

[Self-stimulation characteristics and endogenous ethanol in rats of different sexes] Andronova LM, et al. **Biull Eksp Biol Med** 1984 Jun;97(6):688–90 (Eng. Abstr.) **(Rus)**

[Concentration of endogenous ethanol and alcoholic motivation] Burov IuV, et al. **Biull Eksp Biol Med** 1983 Nov;96(11):67–9 (Eng. Abstr.) **(Rus)**

[Pharmacokinetics of ethanol in the blood of rats in various stages of chronic alcoholism] Burov IuV, et al. **Vopr Med Khim** 1983 Nov–Dec;29(6):24–6 (Eng. Abstr.) **(Rus)**

[Features of the effects of apomorphine on rats of different sexes preferring ethyl alcohol] Andronova LM, et al. **Zh Nevropatol Psikhiatr** 1983;83(8):1231–5 (Eng. Abstr.) **(Rus)**

DIAGNOSTIC USE

Characterization of patients with chlorpropamide-alcohol flush. Groop L, et al. **Acta Med Scand** 1984;215(2):141–9

Ethanol induced alterations of uric acid metabolism. Faller J, et al. **Adv Exp Med Biol** 1984;165 Pt A:457–62

Multiple endocrine neoplasia type II: the role of gastrointestinal humoral factors in calcitonin release following alcohol and pentagastrin stimulation. Fletcher DR, et al. **Aust NZ J Surg** 1984 Jun;54(3):271–5

Epidemiological study of prevalence of chlorpropamide alcohol flushing in insulin dependent diabetics, non-insulin dependent diabetics, and non-diabetics. Ng Tang Fui S, et al. **Br Med J [Clin Res]** 1983 Nov 19;287(6404):1509–12

Ultrastructure of synaptic junctions in dog cerebral cortex treated by the E-PTA method. Pomfy M, et al. **Folia Morphol (Praha)** 1984;32(1):34–9

An alcohol test for superficial cutaneous sensibility [letter] Rojas B. **Lepr Rev** 1984 Jun;55(2):182

The chlorpropamide alcohol flush test in diabetes mellitus: methods for objective evaluation. Jerntorp P. **Scand J Clin Lab Invest** 1983 May;43(3):249–54

[Chlorpropamide and the alcohol flush reaction and coronary artery disease in adult diabetics] Nuorva K, et al. **Duodecim** 1984;100(5):278–83 (Eng. Abstr.) **(Fin)**

[The alcohol-chlorpropamide test. Study and diagnostic value of changes in cutaneous temperature] Guillausseau PJ, et al. **Presse Med** 1984 May 12;13(20):1249–51 (Eng. Abstr.) **(Fre)**

[The alcohol-chlorpropamide test: its contribution to the knowledge of non-insulin-dependent diabetes] Lubetzki J, et al. **Presse Med** 1984 May 12;13(20):1247–8 **(Fre)**

[Value and possibilities of the cytological study of alcohol washings for the diagnosis of cancer of the bladder] Nechiporenko NA, et al. **Lab Delo** 1983;(9):10–4 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

[Effect of ethanol and the alpha-adrenoblockader IEM-611 on the antigenic spectrum of water-soluble brain proteins of rats] Burmistrov So, et al. **Farmakol Toksikol** 1983 Jul-Aug;46(4):76–9 (Eng. Abstr.) **(Rus)**

[Effect of alcohol and smoking on immunological reactivity] Shubik VM. **Gig Sanit** 1983 Oct;(10):59–63 (63 ref.) **(Rus)**

METABOLISM

Disposition of ethanol and its effect on rectal temperature in morphine-dependent, morphine-abstinent and morphine-naive rats. Jones AW. **Acta Pharmacol Toxicol (Copenh)** 1984 May;54(5):333–9

Ethanol metabolism in women taking oral contraceptives. Jones MK, et al. **Alcoholism (NY)** 1984 Jan-Feb;8(1):24–8

A field test of the sweat patch. Phillips EL, et al. **Alcoholism (NY)** 1984 Mar-Apr;8(2):233–7

Modeling of cell viability and specific alcohol productivity. Ciftci T, et al. **Ann NY Acad Sci** 1983;413:157–67

Organic hydroperoxide-dependent oxidation of ethanol by microsomes: lack of a role for free hydroxyl radicals. Cederbaum AI. **Arch Biochem Biophys** 1983 Nov; 227(1):329–38

Human liver cytosolic malate dehydrogenase: purification, kinetic properties, and role in ethanol metabolism. Crow KE, et al. **Arch Biochem Biophys** 1983 Sep;225(2):621–9

Kinetics of inhibition of ethanol metabolism in rats and the rate-limiting role of alcohol dehydrogenase. Plapp BV, et al. **Arch Biochem Biophys** 1984 Apr;230(1):30–8

The effect of chronic ethanol consumption on enzyme activities of the energy-supplying metabolism and the alcohol-aldehyde oxidizing system in rat hearts. Klein HH, et al. **Basic Res Cardiol** 1984 Mar-Apr;79(2):238–43

The effect of EDTA and iron on the oxidation of hydroxyl radical scavenging agents and ethanol by rat liver microsomes. Feierman DE, et al. **Biochem Biophys Res Commun** 1983 Oct 31;116(2):765–70

Organ specific alcohol metabolism: placental chi-ADH. Paés X, et al. **Biochem Biophys Res Commun** 1984 Mar 30; 119(3):1047–55

A study of the maloalcoholic fermentation pathway in Schizosaccharomyces pombe. Maconi E, et al. **Biochem J** 1984 Jan 15;217(2):585–8

Blood and liver acetaldehyde concentrations during ethanol oxidation in C57 and DBA mice. Eriksson CJ, et al. **Biochem Pharmacol** 1984 Jul 15;33(14):2213–6

Ethanol metabolism in heavy drinkers after massive and moderate alcohol intake. Keiding S, et al. **Biochem Pharmacol** 1983 Oct 15;32(20):3097–102

Rate-determining factors for ethanol metabolism in fasted and castrated male rats. Lumeng L, et al. **Biochem Pharmacol** 1984 Aug 15;33(16):2623–8

Ethanol metabolism in vivo by the microsomal ethanol-oxidizing system in deermice lacking alcohol dehydrogenase (ADH). Shigeta Y, et al. **Biochem Pharmacol** 1984 Mar 1;33(5):807–14

Reducing equivalents and ethanol metabolism [letter] Stinson RA. **Clin Chem** 1983 Nov;29(11):1997

Maternal, fetal, and neonatal elimination of ethanol in nonhuman primates. Hill DE, et al. **Dev Pharmacol Ther** 1983;6(4):259–68

Blood acetaldehyde levels in alcohol-dosed rats after treatment with ANIT, ANTU, dithiocarbamate derivatives, or cyanamide. García de Torres G, et al. **Drug Chem Toxicol** 1983;6(4):317–28

Lack of effect of astemizole on ethanol dynamics or kinetics. Bateman DN, et al. **Eur J Clin Pharmacol** 1983;25(4):567–8

The pharmacokinetics of alcohol in human breath, venous and arterial blood after oral ingestion. Martin E, et al. **Eur J Clin Pharmacol** 1984;26(5):619–26

Alcohol and bupropion pharmacokinetics in healthy male volunteers. Posner J, et al. **Eur J Clin Pharmacol** 1984; 26(5):627–30

Age differences in the oxidation of and neural response to ethanol in mice. Marquette BW, et al. **Exp Aging Res** 1984 Spring;10(1):7–11

The rate and kinetic order of ethanol elimination. Winek CL, et al. **Forensic Sci Int** 1984 Jul;25(3):159–66

Alcohol metabolism and toxicity: role of cytochrome P-450. Coon MJ, et al. **Fundam Appl Toxicol** 1984 Apr;4(2 Pt 1):134–43

Ethanol elimination in males and females: relationship to menstrual cycle and body composition. Marshall AW, et al. **Hepatology** 1983 Sep–Oct;3(5):701–6

The role of alcohol dehydrogenase and aldehyde dehydrogenase isozymes in alcohol metabolism, alcohol sensitivity, and alcoholism. Goedde HW, et al. **Isozymes Curr Top Biol Med Res** 1983;8:175–93

Differences in the isozymes involved in alcohol metabolism between caucasians and orientals. Yoshida A. **Isozymes Curr Top Biol Med Res** 1983;8:245–61

Nutritional management of alcoholism. Visocan BJ. **J Am Diet Assoc** 1983 Dec;83(6):693–6

Ethyl esters of arylhydroxy- and arylhydroxymethoxycocaines in the urines of simultaneous cocaine and ethanol users. Smith RM. **J Anal Toxicol** 1984 Jan-Feb;8(1):38–42

Influence of cefoperazone on ethanol and acetaldehyde metabolism in vitro. Greizerstein HB, et al. **J Antibiot (Tokyo)** 1984 Feb;37(2):167–71

31P nuclear magnetic resonance studies of the fermentation of glucose to ethanol by Zymomonas mobilis. Barrow KD, et al. **J Biol Chem** 1984 May 10;259(9):5711–6

Mechanisms of hydroxyl radical formation and ethanol oxidation by ethanol-inducible and other forms of rabbit liver microsomal cytochromes P-450. Ingelman-Sundberg M, et al. **J Biol Chem** 1984 May 25;259(10):6447–58

Concentration of alcohol in delayed subdural hematoma. Cassin BJ, et al. **J Forensic Sci** 1983 Oct;28(4):1013–5

Nomograms for relating blood and urine alcohol concentrations with quantity of alcohol consumed. King LA. **J Forensic Sci Soc** 1983 Jul;23(3):213–7

Pyruvate and ethanol as electron donors for nitrite reduction by Escherichia coli K12. Pope NR, et al. **J Gen Microbiol** 1984 May;130 (Pt 5):1279–84

Effect of ethanol administration on the metabolism of ethanol in baboons. Nomura F, et al. **J Pharmacol Exp Ther** 1983 Oct;227(1):78–83

Effects of fructose, glucose, and mixed sugars on ethanol detoxification and blood glucose response in rats. Jones AW. **Med Biol** 1983;61(6):319–23

Metabolism and metabolic effects of alcohol. Lieber CS. **Med Clin North Am** 1984 Jan;68(1):3–31 (227 ref.)

Microsomal oxidant radical production and ethanol oxidation. Cederbaum AI, et al. **Methods Enzymol** 1984; 105:516–22

To drink or not to drink? [letter] **N Engl J Med** 1984 Aug 16;311(7):475

Alcohol and the liver. A review of pathogenetic mechanisms and newer treatment approaches. Batey RG. **Papua New Guinea Med J** 1983 Mar;26(1):42–7

Biological significance of compartmentation of hepatic ethanol oxidation. Berry MN, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:201–7

Relationship between kinetics of liver alcohol dehydrogenase and alcohol metabolism. Bosron WF, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:223–7

Alcohol oxidation by isozyme 3a of liver microsomal cytochrome P-450. Coon MJ, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:177–80

Properties of alcohol dehydrogenase and ethanol oxidation in vivo and in hepatocytes. Cornell NW. **Pharmacol Biochem Behav** 1983;18 Suppl 1:215–21

NAD+-dependent ethanol oxidation: redox effects and rate limitation. Cronholm T. **Pharmacol Biochem Behav** 1983; 18 Suppl 1:229–32

Factors influencing rates of ethanol oxidation in isolated rat hepatocytes. Crow KE, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:237–40

Kinetics of malate dehydrogenase and control of rates of ethanol metabolism in rats. Crow KE, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:233–6

Microsomal ethanol oxidizing system (MEOS): interaction with ethanol, drugs and carcinogens. Lieber CS. **Pharmacol Biochem Behav** 1983;18 Suppl 1:181–7

Relationship of alcohol metabolism to folate deficiency produced by ethanol in the rat. McMartin KE, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:257–62

Metabolic factors and preference for ethanol. Ostrovsky YuM, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:531–5

Metabolic heterogeneity in the perfused rat liver. Thurman RG, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:415–9

Rates of catabolism calculated from 14CO2 production: artifacts and realities. Tomera JF, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:285–8

Interaction of cytoplasmic dehydrogenases: quantitation of pathways of ethanol metabolism. Vind C, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:209–13

Evidence for two ethanol oxidizing pathways in reconstituted mixed-function oxidase systems. Winston GW, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:189–94

Toward an analogue of alcoholism in mice: scale factors in the model. Dole VP, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(11):3543–6

Circadian rhythms of alcohol dehydrogenase and MEOS in

the rat. Sturtevant RP, et al. **Proc Soc Exp Biol Med** 1984 Mar;175(3):299–303

The interaction of ethanol and exogenous arachidonic acid in the formation of leukotrienes and prostaglandin D2 in mastocytoma cells. Westcott JY, et al. **Prostaglandins** 1983 Aug;26(2):223–39

Inhibition of ethanol absorption by butyl-biguanide in rat gastrointestinal tract in vivo. Debreceni L, et al. **Res Exp Med (Berl)** 1984;184(3):205–8

Determination of the proximate teratogen of the mouse fetal alcohol syndrome. 2. Pharmacokinetics of the placental transfer of ethanol and acetaldehyde. Blakley PM, et al. **Toxicol Appl Pharmacol** 1984 Feb;72(2):364–71

[Pharmacokinetics of alcohol after 3-hour intravenous infusion with and without cimetidine in 10 healthy non-alcoholic subjects] Couzigou P, et al. **Gastroenterol Clin Biol** 1984 Feb;8(2):103–8 (Eng. Abstr.) **(Fre)**

[Alcohol diffusion of the dura mater] Maier RD, et al. **Beitr Gerichtl Med** 1983;41:475–8 (Eng. Abstr.) **(Ger)**

[How can errors in breath alcohol determination be avoided?] Moreth B, et al. **Beitr Gerichtl Med** 1984;42:211–3 (Eng. Abstr.) **(Ger)**

[Experimental studies on the interaction of alcohol and metaclazepam] Schmidt V. **Beitr Gerichtl Med** 1983; 41:413–7 (Eng. Abstr.) **(Ger)**

[Ultrasound-guided renal cyst puncture and 95% ethanol injection. Part 1: Estimation of ethanol levels in the blood and urine following 95% ethanol injection] Kawamura J, et al. **Hinyokika Kiyo** 1984 Mar;30(3):287–94 (Eng. Abstr.) **(Jpn)**

[Effects of cephem antibiotics on ethanol metabolism] Nakamura K, et al. **Nippon Yakurigaku Zasshi** 1984 Feb; 83(2):183–91 (Eng. Abstr.) **(Jpn)**

[Effect of alcoholization on the serotonin levels of the brain and the rate of ethanol elimination in rat progeny] Burov IuV, et al. **Farmakol Toksikol** 1983 Nov–Dec;46(6):51–3 (Eng. Abstr.) **(Rus)**

[Effect of testosterone on ethanol oxidation during chronic alcoholism in castrated rats] Lakoza GN, et al. **Farmakol Toksikol** 1983 Sep–Oct;46(5):82–6 (Eng. Abstr.) **(Rus)**

[Features of learning in rats with different levels of ethanol metabolism] Fedurina MA, et al. **Zh Vyssh Nerv Deiat** 1983 Nov–Dec;33(6):51156–8 **(Rus)**

[Interrelation between the metabolism of alcohol and that of uric acid] García Puig J, et al. **Rev Clin Esp** 1983 Dec 15;171(5):301–4 **(Spa)**

PHARMACODYNAMICS

Ethanol-induced inhibition of testicular steroidogenesis in vitro: prevention by pyrazole. Van Thiel DH. **Acta Med Port** 1983 Sep–Oct;4(9–10):393–7

The effects of ethyl alcohol on visual pursuit and suppression of the vestibulo-ocular reflex. Barnes GR. **Acta Otolaryngol [Suppl] (Stockh)** 1984;406:161–6

Ethanol-induced changes of granular endoplasmic reticulum in hepatocytes of mini-pig foetuses. Rømert P, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1983 Nov; 91(6):413–7

Effect of ethanol on the pharmacokinetics of penicillin in the rat. Kourtopoulos H, et al. **Acta Pharmacol Toxicol (Copenh)** 1983 Sep;53(3):200–4

Effect of ethanol and pH on the adsorption of drugs to activated charcoal: studies in vitro and in man. Neuvonen PJ, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Jan; 54(1):1–7

Effect of an acute dose of ethanol on lipid peroxidation and on the activity of microsomal glutathione S-transferase in rat liver. Sippel HW. **Acta Pharmacol Toxicol (Copenh)** 1983 Aug;53(2):135–40

Effect of clofibrate on fatty acid desaturation of rats treated with ethanol. Peluffo RO, et al. **Acta Physiol Lat Am** 1981; 31(2):119–28

Effects of ethanol and various dietary fats on the levels of thiamine, riboflavin, niacin and folacin in the liver. Ziemlański S, et al. **Acta Physiol Pol** 1982 Sep–Dec; 33(5–6):455–61

Influence of ethanol on systemic and pulmonary hemodynamics in anesthetized dogs. Kettunen R, et al. **Acta Physiol Scand** 1983 Jul;118(3):209–14

Effects of amitriptyline, desipramine and zimeldine, alone and in combination with ethanol, on information processing and memory in healthy volunteers. Linnoila M, et al. **Acta Psychiatr Scand [Suppl]** 1983;308:175–81

Influence of ethanol on the production of allantoin by the perfused rat liver. Van den Berghe G, et al. **Adv Exp Med Biol** 1984;165 Pt A:463–8

Brain membrane sensitivity to ethanol during development of functional tolerance to ethanol in rats. Beaugé F, et al. **Alcoholism (NY)** 1984 Mar–Apr;8(2):167–71

Circadian variations in behavioral and biological sensitivity to ethanol. Brick J, et al. **Alcoholism (NY)** 1984 Mar–Apr; 8(2):204–11

Alcohol-induced euphoria enhanced by disulfiram and calcium carbimide. Brown ZW, et al. **Alcoholism (NY)** 1983 Summer;7(3):276–8

The relationship between ethanol-induced locomotor activation and narcosis in long-sleep and short-sleep mice. Dudek BC, et al. **Alcoholism (NY)** 1984 May–Jun;8(3):272–6

Are the endorphins involved in mediating the mood effects of ethanol? Ewing JA, et al. **Alcoholism (NY)** 1983 Summer; 7(3):271–5

Alcohol-induced changes in lipids and lipoproteins. Gandhi BM, et al. **Alcoholism (NY)** 1984 Jan–Feb;8(1):29–32

Concentration-dependent effects of ethanol in long-sleep and short-sleep mice. Gilliam DM, et al. **Alcoholism (NY)** 1983 Summer;7(3):337–42

Effects of acute and chronic ethanol and dihydroergotoxine (hydergine) on neurotransmitter enzymes in brain. Hsu LL, et al. **Alcoholism (NY)** 1983 Summer;7(3):249–55

Effects of ethanol on calmodulin levels in mouse striatum and cerebral cortex. Luthin GR, et al. **Alcoholism (NY)** 1984 Jan–Feb;8(1):68–72

Tyrosine hydroxylase activity in the brain and adrenal gland of rats following chronic administration of ethanol. Masserano JM, et al. **Alcoholism (NY)** 1983 Summer; 7(3):294–8

Mechanisms of ethanol-induced defects of alveolar macrophage function. Rimland D. **Alcoholism (NY)** 1984 Jan–Feb;8(1):73–6

Ethanol-induced alterations in lymphocyte function in the guinea pig. Roselle GA, et al. **Alcoholism (NY)** 1984 Jan–Feb;8(1):62–7

Effects of chronic ethanol feeding on sympathetic innervated organs: temporal sequence of biochemical, functional, and trophic changes. Rubio MC, et al. **Alcoholism (NY)** 1984 Jan–Feb;8(1):37–41

Ethanol effects on striatal neuron activity. Schoener EP. **Alcoholism (NY)** 1984 May–Jun;8(3):266–8

Prolonged feeding of ethanol to the young growing guinea pig. II. A model to study the effects of severe ischemia on cardiac protein synthesis. Schreiber SS, et al. **Alcoholism (NY)** 1984 Jan–Feb;8(1):54–61

Effect of acute ethanol administration on diamine oxidase activity in the upper gastrointestinal tract of rat. Sessa A, et al. **Alcoholism (NY)** 1984 Mar–Apr;8(2):185–90

Effects of ethanol on cultured human fibroblasts. Shireman RB, et al. **Alcoholism (NY)** 1983 Summer;7(3):279–82

No effect of acute ethanol administration on hepatic protein synthesis and export in the rat in vivo. Wallin B, et al. **Alcoholism (NY)** 1984 Mar–Apr;8(2):191–5

Effect of ethanol on the uptake of pyridoxine X HCl in the rat jejunum. Middleton HM 3d, et al. **Am J Clin Nutr** 1984 Jan;39(1):54–61

Disulfiram-like reactions with newer cephalosporins: cefmenoxime. Kannangara DW, et al. **Am J Med Sci** 1984 Mar–Apr;287(2):45–7

Maternal glucose injections do not alter the suppression of fetal breathing following maternal ethanol ingestion. McLeod W, et al. **Am J Obstet Gynecol** 1984 Mar 1; 148(5):634–9

Inhibition of net calcium efflux from bone by ethanol in vitro. Ramp WK, et al. **Am J Physiol** 1984 Jan;246(1 Pt 1):C30–6

Role of glutathione in gastric mucosal cytoprotection. Robert A, et al. **Am J Physiol** 1984 Sep;247(3 Pt 1):G296–304

Effect of alcohol on the release of cholecystokinin and pancreatic enzyme secretion. Fried GM, et al. **Am J Surg** 1984 Jan;147(1):53–7

Selective depression by ethanol of upper airway respiratory motor activity in cats. Bonora M, et al. **Am Rev Respir Dis** 1984 Aug;130(2):156–61

Selective reduction of genioglossal muscle activity by alcohol in normal human subjects. Krol RC, et al. **Am Rev Respir Dis** 1984 Feb;129(2):247–50

Naloxone reverses ethanol-induced depression of hypercapnic drive. Michiels TM, et al. **Am Rev Respir Dis** 1983 Nov;128(5):823–6

Effect of ethanol on nucleolar structure: a cytological indication of change in RNA/protein synthesis. Dunmire CR, et al. **Anat Rec** 1983 Aug;206(4):363–71

Ethanol inhibition of compensatory ovarian hypertrophy in unilaterally ovariectomized rats. Rudeen PK, et al. **Anat Rec** 1984 Feb;208(2):215–22

Influence of ethanol and ambient temperature on skin blood flow. Hughes JH, et al. **Ann Emerg Med** 1984 Aug; 13(8):597–600

The relations of alcohol and the cardiovascular system. Klatsky AL. **Annu Rev Nutr** 1982;2:51–71 (167 ref.)

Acute effects of ethanol in the control of protein synthesis in isolated rat liver cells. Girbes T, et al. **Arch Biochem Biophys** 1983 Oct 1;226(1):37–49

Studies on the mechanisms of induction of N-nitrosodimethylamine demethylase by fasting, acetone, and ethanol. Miller KW, et al. **Arch Biochem Biophys** 1984 Mar;229(2):483–91

Effects of phenobarbital, GSH-depletors, CCl4 and ethanol on the biliary efflux of glutathione in rats. Siegers CP, et al. **Arch Int Pharmacodyn Ther** 1983 Dec;266(2):315–25

Prenatal ethanol alters development of cardiac ornithine decarboxylase response to adrenergic agents in rat. I. Continuous exposure. Thadani PV. **Arch Int Pharmacodyn Ther** 1983 Oct;265(2):192–202

Glucuronidation in rat intestinal epithelial cells. Dependence of glucose supply and resistance to inhibition by ethanol and fasting. Koster AS, et al. **Arch Toxicol** 1984 Jul; 55(2):123–6

The effect of alcohol on the visual and ocular motor systems. Wilson G, et al. **Aust J Ophthalmol** 1983 Nov;11(4):315–9

Alcohol and ischemic heart disease: a review. Rohan TE. **Aust NZ J Med** 1984 Feb;14(1):75–80 (51 ref.)

A biometrical genetic analysis of ethanol response in selectively bred long-sleep and short-sleep mice. Dudek BC, et al. **Behav Genet** 1984 Jan;14(1):1–19

Cytochrome P-450 inducibility by ethanol and 7-ethoxycoumarin O-deethylation in S. cerevisiae. Del Carratore R, et al. **Biochem Biophys Res Commun** 1984 Aug 30;123(1):186–93

Alteration of poly(ADP-ribose) metabolism by hyperthermia. Juarez-Salinas H, et al. **Biochem Biophys Res Commun** 1984 Aug 16;122(3):1381–8

Effects of chronic ethanol feeding and acetaldehyde metabolism on calcium transport by rat liver mitochondria. Korsten MA, et al. **Biochem Biophys Res Commun** 1983 Nov 30;117(1):169–75

Influence of ethanol on fatty acid composition of phospholipids in cultured neurons. Morrisson M, et al. **Biochem Biophys Res Commun** 1984 Jul 31;122(2):516–21

Ethanol directly increases dihydrotestosterone conversion to 5 alpha-androstan-3 beta,17 beta-diol and 5 alpha-androstan-3 alpha,17 beta-diol in rat Leydig cells. Murono EP, et al. **Biochem Biophys Res Commun** 1984 Jun 15;121(2):558–65

Ethanol modulation of the hormonal and nutritional regulation of glucose 6-phosphate dehydrogenase activity in primary cultures of rat hepatocytes. Kelley DS, et al. **Biochem J** 1984 Jan 15;217(2):543–9

The mechanism by which ethanol decreases the concentration of fructose 2,6-bisphosphate in the liver. Van Schaftingen E, et al. **Biochem J** 1984 Sep 1;222(2):511–8

Multiple effects of short-chain alcohols on binding to rat heart muscarinic receptors. Waelbroeck M, et al. **Biochem J** 1984 Apr 15;219(2):563–71

Interaction of ethanol with acetaminophen metabolism in the baboon. Altomare E, et al. **Biochem Pharmacol** 1984 Jul 15;33(14):2207–12

Induction of mouse liver glutathione S-transferase by ethanol. David RM, et al. **Biochem Pharmacol** 1983 Sep 15;32(18):2809–11

Induction of phencyclidine metabolism by phencyclidine, ketamine, ethanol, phenobarbital and isosafrole. Kammerer RC, et al. **Biochem Pharmacol** 1984 Feb 15;33(4):599–604

Ethanol-induced alterations in rat hepatic ammonia metabolism. Mohanachari V, et al. **Biochem Pharmacol** 1983 Sep 15;32(18):2825–7

Effect of maternal ethanol ingestion during pregnancy and lactation on the structure and function of the postnatal rat liver plasma membrane. Assessement with [3H]prazosin binding to the hepatic alpha 1-adrenergic receptors. Rovinski B, et al. **Biochem Pharmacol** 1984 Jan 15; 33(2):311–7

Ethanol-induced increase in liver tryptophan oxygenase activity in the starved rat: evidence against tryptophan mediation. Stowell L, et al. **Biochem Pharmacol** 1984 Aug 1;33(15):2397–405

Effects of ethanol and barbiturates on Ca2+-ATPase activity of erythrocyte and brain membranes. Yamamoto HA, et al. **Biochem Pharmacol** 1983 Sep 15;32(18):2787–91

Phosphatidylethanol formation in rat organs after ethanol treatment. Alling C, et al. **Biochim Biophys Acta** 1984 Mar 27;793(1):119–22

Decreased cytochrome oxidase activity in hepatic mitochondria after chronic ethanol consumption and the possible role of decreased cytochrome aa3 content and changes in phospholipids. Arai M, et al. **Biochim Biophys Acta** 1984 Mar 1;797(3):320–7

A 1H-NMR investigation of the effects of ethanol and general anaesthetics on ion channels and membrane fusion using unilamellar phospholipid membranes. Hunt GR, et al. **Biochim Biophys Acta** 1983 Dec 7;736(1):1–10

Increased microsomal oxidation of alcohols after pyrazole treatment and its similarities to the induction by ethanol consumption. Krikun G, et al. **Biochim Biophys Acta** 1984 Sep 7;801(1):131–7

Effects of ethanol and other alkanols on passive proton influx in the yeast Saccharomyces cerevisiae. Leão C, et al. **Biochim Biophys Acta** 1984 Jul 11;774(1):43–8

Fatty acid composition of rat liver mitochondrial phospholipids during ethanol inhalation. Rouach H, et al. **Biochim Biophys Acta** 1984 Aug 15;795(1):125–9

Hepatic lipid peroxidation and mitochondrial susceptibility to peroxidative attacks during ethanol inhalation and withdrawal. Rouach H, et al. **Biochim Biophys Acta** 1983 Oct 11;753(3):439–44

Effect of propranolol and cycloheximide on the ethanol-induced increase in liver tryptophan oxygenase activity in starved rats. Stowell L, et al. **Biochim Biophys Acta** 1984 Aug 21;800(3):228–32

Dependence on blood acetate concentration of the metabolic effects of ethanol in perfused rat liver. Topping DL, et al. **Biochim Biophys Acta** 1984 Jul 16;800(1):103–5

Low doses of alcohol affect human aggressive responses. Cherek DR, et al. **Biol Psychiatry** 1984 Feb;19(2):263–7

The effect of food and alcohol on the pharmacokinetics of acebutolol and its metabolite, diacetolol. Zaman R, et al. **Biopharm Drug Dispos** 1984 Jan–Mar;5(1):91–5

Ethanol raises prostacyclin in vivo and in vitro. Landolfi R, et al. **Blood** 1984 Sep;64(3):679–82

Acetylator phenotyping: the effect of ethanol on the dapsone test. Hutchings A, et al. **Br J Clin Pharmacol** 1984 Jul; 18(1):98–100

Effects on psychological performance of the benzodiazepine, loprazolam, alone and with alcohol. McManus IC, et al. **Br J Clin Pharmacol** 1983 Sep;16(3):291–300

The effect of chronic ethanol administration on lipogenesis in liver and adipose tissue in the rat. Cascales C, et al.

Br J Nutr 1983 Nov;50(3):549–53
Naloxone reduces diuretic responses induced by water, alcohol or congenital lack of vasopressin in rats. Guiol C, et al. **Br J Pharmacol** 1984 Jan;81(1):85–90
Effect of ethanol on vascular prostacyclin (prostaglandin I2) synthesis, platelet aggregation, and platelet thromboxane release. Mikhailidis DP, et al. **Br Med J [Clin Res]** 1983 Nov 19;287(6404):1495–8
Ethanol-induced modulation of the membrane potential and synaptic activity of trigeminal motoneurons during sleep and wakefulness. Baranyi A, et al. **Brain Res** 1984 Jul 30; 307(1–2):233–45
Effects of ethanol on postnatal cell acquisition in the rat cerebellum. Borges S, et al. **Brain Res** 1983 Jul 25; 271(2):388–91
Effect of ethanol on stretch response of muscle receptors in cats. Kröller J, et al. **Brain Res** 1982 Jan 28;232(2):425–38
Action of ethanol and salsolinol on opiate receptor function. Lucchi L, et al. **Brain Res** 1982 Jan 28;232(2):506–10
Chronic ethanol changes opiate receptor function in rat striatum. Lucchi L, et al. **Brain Res** 1984 Feb 20; 293(2):368–71
Alpha-adrenoceptor number and function in rat cortex after ethanol and immobilization stress. Lynch M, et al. **Brain Res** 1983 Dec 12;288(1–2):145–9
Ethanol stimulates the firing rate of nigral dopaminergic neurons in unanesthetized rats. Mereu G, et al. **Brain Res** 1984 Jan 30;292(1):63–9
Voltage clamp analysis of ethanol effects on pacemaker currents of Aplysia neurons. Schwartz MH. **Brain Res** 1983 Nov 14;278(1–2):341–5
Chronic ethanol treatment alters the biosynthesis of beta-endorphin by the rat neurointermediate lobe. Gianoulakis C, et al. **Can J Physiol Pharmacol** 1983 Sep; 61(9):967–76
Decrease in calcium carbimide (calcium cyanamide)-induced inhibition of rat hepatic aldehyde dehydrogenases by multiple ethanol administration. Loomis CW, et al. **Can J Physiol Pharmacol** 1984 May;62(5):544–50
Aniline hydroxylation and 7-ethoxycoumarin O-deethylation activities in solubilized and partially resolved liver cytochromes P-450 from ethanol-fed rats. Plourde V, et al. **Can J Physiol Pharmacol** 1984 Mar;62(3):266–71
Effects of chronic mestranol and (or)norethindrone treatment on ethanol-associated decreases in hepatic benzo[a]pyrene hydroxylase activity and increases in central vein fat accumulation in the female Wistar rat. Warren BL, et al. **Can J Physiol Pharmacol** 1983 Aug;61(8):808–15
Effects of chronic ethanol consumption on the metabolism and carcinogenicity of N'-nitrosonornicotine in F344 rats. Castonguay A, et al. **Cancer Res** 1984 Jun;44(6):2285–90
Inhibition of N-nitrosodimethylamine metabolism by ethanol and other inhibitors in the isolated perfused rat liver. Tomera JF, et al. **Carcinogenesis** 1984 Jan;5(1):113–6
Changes in total and transmural coronary blood flow induced by ethanol. Pescio S, et al. **Cardiovasc Res** 1983 Oct; 17(10):604–7
Alcohol and congenital heart defects: an experimental study in mice. Webster WS, et al. **Cardiovasc Res** 1984 Jun; 18(6):335–8
Effect of ethanol on the uptake and utilization of nutrients by alcohol-resistant yeasts. Girbés T, et al. **Cell Mol Biol** 1983;29(5):443–9
Interaction of ethanol with neural cells in culture: a model of intoxication, tolerance and withdrawal. Charness ME, et al. **Ciba Found Symp** 1984;105:73–84
Interactions between trace elements and alcohol in rats. Dreosti IE. **Ciba Found Symp** 1984;105:103–23
Growth, enzymes and hormonal changes in offspring of alcohol-fed rats. Guerri C, et al. **Ciba Found Symp** 1984; 105:85–102
Effects of alcohol on functional development of the auditory pathway in the brainstem of infants and chick embryos. Pettigrew AG, et al. **Ciba Found Symp** 1984;105:26–46
Altered stress responsiveness in adult rats exposed to ethanol in utero: neuroendocrine mechanisms. Taylor AN, et al. **Ciba Found Symp** 1984;105:47–65
Prenatal and early postnatal exposure to ethanol permanently alters the rat hippocampus. West JR, et al. **Ciba Found Symp** 1984;105:8–25
Does alcohol intensify the hemodynamic effects of nitroglycerin? Kupari M, et al. **Clin Cardiol** 1984 Jul; 7(7):382–6
Lack of effect of ethanol on plasma cortisol in man. Davis JR, et al. **Clin Endocrinol (Oxf)** 1983 Oct;19(4):461–6
Acute effects of ethanol on plasma cortisol concentrations [letter] Elias AN, et al. **Clin Endocrinol (Oxf)** 1984 Jun; 20(6):731–2
Pressor effect of moderate alcohol consumption in man: a proposed mechanism. Ireland M, et al. **Clin Exp Pharmacol Physiol** 1983 May–Jun;10(3):375–9
The influence of environmental temperature upon the thermoregulatory responses to ethanol in man. Fellows IW, et al. **Clin Sci** 1984 Jun;66(6):733–9
Acute effects of moderate alcohol consumption on blood pressure and plasma catecholamines. Ireland MA, et al. **Clin Sci** 1984 Jun;66(6):643–8
Ethanol sensitivity and membrane lipid composition in three strains of mouse. La Droitte P, et al. **Comp Biochem Physiol [C]** 1984;77(2):351–6
A study of interaction between levonorgestrel and ethanol. Gomaa AA, et al. **Contraception** 1984 Jun;29(6):535–42
In vitro effect of ethanol on the synthesis of triacylglycerol in hepatic cytoplasmic lipid droplets. Kondrup J. **Dan Med Bull** 1984 Apr;31(2):109–20 (110 ref.)
Selective fetal malnutrition: the effect of nicotine, ethanol, and acetaldehyde upon in vitro uptake of alpha-aminoisobutyric acid by human term placental villous slices. Fisher SE, et al. **Dev Pharmacol Ther** 1984; 7(4):229–38
Effects of ethanol and/or caffeine on fetal development and placental amino acid uptake in rats. Henderson GI, et al. **Dev Pharmacol Ther** 1984;7(3):177–87
Effect of ethanol on morphology and total, capillary, and shunted blood flow of different anatomical layers of dog jejunum. Buell MG, et al. **Dig Dis Sci** 1983 Nov; 28(11):1005–17
Effects of ethanol on cytoplasmic peptidases of the jejunal epithelial cell of the hamster. Dinda PK, et al. **Dig Dis Sci** 1984 Jan;29(1):46–55
Action of ethanol on gastrin release in the dog. Eysselein VE, et al. **Dig Dis Sci** 1984 Jan;29(1):12–8
Biphasic action of intravenous ethanol on dog exocrine pancreatic secretion. Kubota K, et al. **Dig Dis Sci** 1983 Dec;28(12):1116–20
Indomethacin decreases resistance of gastric barrier to disruption by alcohol. Miller TA, et al. **Dig Dis Sci** 1984 Feb;29(2):141–9
Simultaneous mechanisms on exocrine pancreatic secretion initiated by alcohol in the conscious dog. Noel-Jorand MC, et al. **Dig Dis Sci** 1983 Oct;28(10):879–88
Effect of ethanol on intestinal uptake of fatty acids, fatty alcohols, and cholesterol. Thomson AB, et al. **Dig Dis Sci** 1984 Jul;29(7):631–42
Acute exposure of rabbit jejunum to ethanol. In vitro uptake of hexoses. Thomson AB. **Dig Dis Sci** 1984 Mar; 29(3):267–74
Behavioral, metabolic and histological aspects of lithium and ethanol interaction. Messiha FS, et al. **Drug Chem Toxicol** 1983;6(4):397–408
Influence of ethanol and benzene on cytochrome P-450 fractions in rat liver microsomes. Beaune P, et al. **Drug Metab Dispos** 1983 Sep–Oct;11(5):499–506
Altered biliary excretion of acetaminophen in rats fed ethanol chronically. Vendemiale G, et al. **Drug Metab Dispos** 1984 Jan–Feb;12(1):20–4
Effects of maternal ethanol consumption on the ontogeny of gluconeogenesis in the perinatal period. Canny NE, et al. **Drug Nutr Interact** 1983;2(3):193–202
Effects of ethanol on the male hypothalamic–pituitary–gonadal axis. Boyden TW, et al. **Endocr Rev** 1983 Fall;4(4):389–95 (83 ref.)
Vasocclusion sterility induced by ethanol, prostagladin or ascorbic acid in male rats. Chinoy MR, et al. **Endocrinol Exp (Bratisl)** 1984 Mar;18(1):65–77
Calcium metabolism in relation to chronic ethanol ingestion and estrogen deficiency in rat. Krishnamra N, et al. **Endocrinol Jpn** 1983 Dec;30(6):707–13
Effect of chronic ethanol consumption on the cellular and subcellular distribution of gamma-glutamyltransferase in rat liver. Halsall S, et al. **Enzyme** 1984;31(4):221–8
The effects of toluene and alcohol on psychomotor performance. Cherry N, et al. **Ergonomics** 1983 Nov; 26(11):1081–7
Effect of alcohol on a sentence-picture verification task. Hartley L, et al. **Ergonomics** 1984 Feb;27(2):195–203
Low and moderate alcohol doses, psychomotor performance and perceived drowsiness. Landauer AA, et al. **Ergonomics** 1983 Jul;26(7):647–57
Amitriptyline and ethanol: pharmacokinetic and pharmacodynamic interaction. Dorian P, et al. **Eur J Clin Pharmacol** 1983;25(3):325–31
Effect of ethanol intake on disopyramide elimination by healthy volunteers. Olsen H, et al. **Eur J Clin Pharmacol** 1983;25(1):103–5
Renal pressor effect of ethanol in the isolated perfused rat kidney. Bilotta J, et al. **Eur J Pharmacol** 1984 Feb 10; 98(1):109–12
Effects of ethanol on hypothalamic luteinizing hormone-releasing hormone (LHRH) in the male rat. An immunocytochemical study. Dees WL, et al. **Exp Brain Res** 1984;54(2):197–202
Ethanol effects on protein synthesis in nonparenchymal liver cells, hepatocytes, and density populations of hepatocytes. Bengtsson G, et al. **Exp Mol Pathol** 1984 Aug;41(1):44–57
Hypolipidemic effects of garlic oil in rats fed ethanol and a high lipid diet. Shoetan A, et al. **Experientia** 1984 Mar 15;40(3):261–3
Inhibition of testosterone biosynthesis by ethanol: relation to the pregnenolone-to-testosterone pathway. Eriksson CJ, et al. **FEBS Lett** 1984 Jul 9;172(2):177–82
Chronic ethanol administration decreases fatty acyl-CoA desaturase activities in rat liver microsomes. Umeki S, et al. **FEBS Lett** 1984 Apr 24;169(2):274–8
Mitochondrial and cytoplasmic protein syntheses are not required for heat shock acquisition of ethanol and thermotolerance in yeast. Watson K, et al. **FEBS Lett** 1984 Jul 9;172(2):299–302
2-halogeno-ethanols as denaturant of protein. Activity coefficient of N-acetyl ethyl esters of aromatic amino acids in 2-fluoroethanol, 2,2,2-trifluoroethanol, 2-chloroethanol, 2-bromoethanol, 1-propanol, and ethanol. Ebina S, et al. **Fukushima J Med Sci** 1982;28(3–4):83–92
Ethanol-induced mucosal microvascular stasis and enhanced plasma protein loss in the dog jejunum. Buell MG, et al. **Gastroenterology** 1984 Mar;86(3):413–20
Wine and five percent ethanol are potent stimulants of gastric acid secretion in humans. Lenz HJ, et al. **Gastroenterology** 1983 Nov;85(5):1082–7
A new method for quantitation of ion fluxes across in vivo human gastric mucosa: effect of aspirin, acetaminophen, ethanol, and hyperosmolar solutions. Stern AI, et al. **Gastroenterology** 1984 Jan;86(1):60–70
Acute effects of ethanol on hepatic glycoprotein secretion in the rat in vivo. Volentine GD, et al. **Gastroenterology** 1984 Feb;86(2):225–9
Effect of ethanol in preovulatory periods on brain monoamine levels. Aldegunde M, et al. **Gen Pharmacol** 1984;15(1):59–61
Effect of biogenic amines reuptake inhibition on ethanol induced hypothermia. Soliman KF, et al. **Gen Pharmacol** 1983;14(4):461–3
Altered proline uptake by mouse liver cells after chronic exposure to ethanol and its metabolites. Mendenhall CL, et al. **Gut** 1984 Feb;25(2):138–44
Effect of ethanol and chlorpromazine on transhepatic transport and biliary secretion of horseradish peroxidase. Okanoue T, et al. **Hepatology** 1984 Mar–Apr;4(2):253–60
Interrelationships between the metabolic effects of glucagon and ethanol in the perfused mouse liver. Lombardo YB, et al. **Horm Metab Res** 1984 Apr;16(4):183–7
Hepatic insulin binding following in utero exposure to ethanol. Snyder AK, et al. **Horm Metab Res** 1984 Apr; 16(4):175–8
Effect of meptazinol and ethanol on human psychomotor performance and mood ratings. Tedeschi G, et al. **Hum Toxicol** 1984 Feb;3(1):37–43
Influence of ethanol on some host reactions in the early stages of N-nitrosamine carcinogenesis. Griciute LA, et al. **IARC Sci Publ** 1983;51:197–203
Ethanol activation of human natural cytotoxicity. Rice C, et al. **Immunopharmacology** 1983 Dec;6(4):303–16
Effect of ethanol administration on changes in metabolism of glycosaminoglycans in heart & aorta in isoproterenol-induced myocardial infarction in rats. Remla A, et al. **Indian J Biochem Biophys** 1983 Oct;20(5):295–300
Effect of ethanol administration on changes in the metabolism of glycoproteins in the heart produced in isoproterenol induced myocardial infarction in rats. Remla A, et al. **Indian J Exp Biol** 1983 Nov;21(11):623–8
Influence of ethanol with and without chlorhexidine on the bacterial colonization of the umbilicus of newborn infants. Bygdeman S, et al. **Infect Control** 1984 Jun;5(6):275–8
Effects of ethanol on rat cerebellar Purkinje cells. Chu NS. **Int J Neurosci** 1983 Nov;21(3–4):265–77
Drug-alcohol interactions on psychomotor skills: zopiclone and flunitrazepam. Seppälä T, et al. **Int Pharmacopsychiatry** 1982;17 Suppl 2:127–35
Effect of 16,16-dimethyl prostaglandin E2 and ethanol on the constituents of gastric mucus. Sarosiek J, et al. **J Appl Biochem** 1983 Dec;5(6):429–36
Effect of ethanol and naloxone on control of ventilation and load perception. Michiels TM, et al. **J Appl Physiol** 1983 Sep;55(3):929–34
Effect of prolonged smoking and alcohol on lipid profile, separately and in combination. Baldwa VS, et al. **J Assoc Physicians India** 1983 Sep;31(9):573–5
Effects of ethanol on the Escherichia coli plasma membrane. Dombek KM, et al. **J Bacteriol** 1984 Jan;157(1):233–9
Structure of ethanol-inhibited porcine pepsin at 2-A resolution and binding of the methyl ester of phenylalanyl-diiodotyrosine to the enzyme. Andreeva NS, et al. **J Biol Chem** 1984 Sep 25;259(18):11353–65
Ethanol treatment selectively decreases neutral amino acid transport in cultured hepatocytes. Dorio RJ, et al. **J Biol Chem** 1984 Sep 25;259(18):11430–5
The effect of cryosolvents on the spectral and catalytic properties of liver alcohol dehydrogenase. Geeves MA, et al. **J Biol Chem** 1983 Oct 25;258(20):12184–9
Effect of ethanol on the enzymatic sulfation of glycosphingolipids in gastric mucosa. Slomiany A, et al. **J Biol Chem** 1984 May 10;259(9):5792–6
Brain (Na+,K+)-ATPase. Opposite effects of ethanol and dimethyl sulfoxide on temperature dependence of enzyme conformation and univalent cation binding. Swann AC. **J Biol Chem** 1983 Oct 10;258(19):11780–6
Effect of chronic alcohol consumption on tumor incidence due to dimethylnitrosamine administration. Teschke R, et al. **J Cancer Res Clin Oncol** 1983;106(1):58–64
The effects of ethanol on brain blood flow in awake dogs. Friedman HS, et al. **J Cardiovasc Pharmacol** 1984 Mar–Apr; 6(2):344–8
Capillary gas chromatographic investigation of plasma lipid alcoholysis during alcohol extraction. Tuchman M, et al. **J Chromatogr** 1984 Apr 13;307(1):172–9
Ethanol-induced activation of adenine nucleotide turnover. Evidence for a role of acetate. Puig JG, et al. **J Clin Invest** 1984 Sep;74(3):936–41
Differences in plasma cortisol after ingestion of ethanol in relatives of alcoholics and controls: preliminary results. Schuckit MA. **J Clin Psychiatry** 1984 Sep;45(9):374–6
The effect of an antibacterial solution on the microflora of human incipient fissure caries. Meiers JC, et al. **J Dent Res** 1984 Jan;63(1):47–51
Effect of ethanol infusion on the pituitary-testicular responsiveness to gonadotropin releasing hormone and

thyrotropin releasing hormone in normal males and in chronic alcoholics presenting with hypogonadism. Bertello P, et al. **J Endocrinol Invest** 1983 Dec;6(6):413–20
The 8-hour metabolic profile after drinking ethanol. Joffe BI, et al. **J Endocrinol Invest** 1984 Jun;7(3):239–41
Influence of ethanol on chromosome segregation during the first and second meiotic divisions in the mouse egg. Kaufman MH, et al. **J Exp Zool** 1984 May;230(2):315–20
The time course of miniature endplate currents and its modification by receptor blockade and ethanol. Linder TM, et al. **J Gen Physiol** 1984 Mar;83(3):435–68
Taste preference of the adult rat as a function of prenatal exposure to ethanol. Nash SM, et al. **J Gen Psychol** 1984 Jan;110(1st Half):129–35
Shock-elicited aggression as a function of acute and chronic ethanol challenges. Tramill JL, et al. **J Gen Psychol** 1983 Jul;109(1st Half):53–8
The local effects of topically applied estradiol, cyproterone acetate, and ethanol on sebaceous secretion in intact male rats. Ebling FJ, et al. **J Invest Dermatol** 1983 Nov; 81(5):448–51
Effects of alcohol on plasma lipoproteins and cholesterol and triglyceride metabolism in man. Crouse JR, et al. **J Lipid Res** 1984 May;25(5):486–96
Effect of ethanol on intestinal lipid absorption in the rat. Mansbach CM 2d. **J Lipid Res** 1983 Oct;24(10):1310–20
Ethanol treatment increases triacylglycerol and cholesteryl ester content of cultured hepatoma cells. Polokoff MA, et al. **J Lipid Res** 1983 Aug;24(8):1030–8
The effect of alcohol on memory for feelings: does it really help users to forget? Mueller CW, et al. **J Nerv Ment Dis** 1984 Apr;172(4):225–7
Myelin gangliosides in developing rats: the influence of maternal ethanol consumption. Gnaedinger JM, et al. **J Neurochem** 1984 May;42(5):1281–5
Ethanol and the gamma-aminobutyric acid–benzodiazepine receptor complex. Greenberg DA, et al. **J Neurochem** 1984 Apr;42(4):1062–8
Effects of ethanol, temperature, and endogenous regulatory factors on the characteristics of striatal opiate receptors. Hoffman PL, et al. **J Neurochem** 1984 Oct;43(4):1003–10
Effects of chronic ethanol treatment on the in vitro biosynthesis of pro-opiomelanocortin and its posttranslational processing to beta-endorphin in the intermediate lobe of the rat pituitary. Seizinger BR, et al. **J Neurochem** 1984 Sep;43(3):607–13
Effect of ethanol on rat brain polyphosphoinositides. Shah IR, et al. **J Neurochem** 1984 Mar;42(3):873–4
Phospholipid and ganglioside composition in rat brain after chronic intake of ethanol. Vrbaški SR, et al. **J Neurochem** 1984 May;42(5):1235–9
Cysteine feeding affects urinary zinc excretion in normal and ethanol-treated rats. Hsu JM, et al. **J Nutr** 1983 Nov; 113(11):2171–7
Thiamin depletion after ethanol and acetaldehyde administration to rabbits. Takabe M, et al. **J Nutr Sci Vitaminol (Tokyo)** 1983 Oct;29(5):509–14
The effects of alcohol and cetylpyridinium chloride on the buccal mucosa of the hamster. Margarone JE, et al. **J Oral Maxillofac Surg** 1984 Feb;42(2):111–3
The effects of high dose sporadic (binge) alcohol intake in mice. Stuckey E, et al. **J Pathol** 1984 Mar;142(3):175–80
Ethanol- and isoprenaline-induced responses in pig parenchymal lung tissue. Goldie RG, et al. **J Pharm Pharmacol** 1984 Jan;36(1):53–6
Influences of maternal ethanol intake on maternal and perinatal hepatic heme and drug metabolizing enzymes in rats. Terada N, et al. **J Pharmacobiodyn** 1983 Dec; 6(12):913–21
Ethanol-induced locomotor stimulation in rats after thyrotropin-releasing hormone. Breese GR, et al. **J Pharmacol Exp Ther** 1984 Jun;229(3):731–7
Effect of ethanol and metabolic substrates on the oxidation of aminopyrine, formaldehyde and formate by isolated hepatocytes. Dicker E, et al. **J Pharmacol Exp Ther** 1983 Dec;227(3):687–93
Ethanol suppresses hepatic glutathione synthesis in rats in vivo. Lauterburg BH, et al. **J Pharmacol Exp Ther** 1984 Jul;230(1):7–11
Activation of adenylate cyclase by alcohols requires the nucleotide-binding protein. Luthin GR, et al. **J Pharmacol Exp Ther** 1984 Mar;228(3):579–87
Multiple sites of action of ethanol on adenylate cyclase. Rabin RA, et al. **J Pharmacol Exp Ther** 1983 Dec;227(3):551–6
Effect of ethanol on the hypothalamic-pituitary-adrenal axis in the rat: role of corticotropin-releasing factor (CRF). Rivier C, et al. **J Pharmacol Exp Ther** 1984 Apr; 229(1):127–31
Enhanced activity of the beta-endorphinergic system in the anterior and neurointermediate lobe of the rat pituitary after chronic treatment with ethanol liquid diet. Seizinger BR, et al. **J Pharmacol Exp Ther** 1984 Aug;230(2):455–61
Membrane properties and aging: in vivo and in vitro effects of ethanol on synaptosomal gamma-aminobutyric acid (GABA) release. Strong R, et al. **J Pharmacol Exp Ther** 1984 Jun;229(3):726–30
Effects of ethanol and enzyme-inducing agents on the monooxygenation of testosterone and xenobiotics in rat liver microsomes. Tredger JM, et al. **J Pharmacol Exp Ther** 1984 Apr;229(1):292–8
Effects of small and moderate doses of alcohol on submaximal cardiorespiratory function, perceived exertion and endurance performance in abstainers and moderate drinkers. Bond V, et al. **J Sports Med Phys Fitness** 1983 Jun;23(2):221–8
Tolerance and cross-tolerance to morphine and ethanol in mice selectively bred for differential sensitivity to ethanol. Brick J, et al. **J Stud Alcohol** 1983 Sep;44(5):770–9
Alcohol, aggression and assertiveness in men: dosage and expectancy effects. Kreutzer JS, et al. **J Stud Alcohol** 1984 May;45(3):275–8
Alcohol and aggression in men: a comparison of brewed and distilled beverages. Pihl RO, et al. **J Stud Alcohol** 1984 May;45(3):278–82
Alcohol and the steady-state disposition kinetics of methadone in rats. Tommasello AC, et al. **J Stud Alcohol** 1984 Mar;45(2):155–9
Effect of alcohol on recall and recognition as functions of processing levels. Williams HL, et al. **J Stud Alcohol** 1984 Jan;45(1):10–5
Alcohol and the disinhibition of sexual responsiveness. Wilson GT, et al. **J Stud Alcohol** 1984 May;45(3):219–24
Effects of ethanol infusion on serum hemoglobin and bile pigments. Schwesinger WH, et al. **J Surg Res** 1984 Jul; 37(1):43–7
Modification of pancreatic carcinogenesis in the hamster model. XII. Dose-related effect of ethanol. Pour PM, et al. **JNCI** 1983 Nov;71(5):1085–7
An inhibitory effect of ethanol on adrenergic neuromuscular transmission in the guinea-pig vas deferens. Takeda R, et al. **Jpn J Pharmacol** 1983 Aug;33(4):757–64
Changes in transmucosal potential difference and luminal pH in anesthetized rat stomach after exposure to ethanol. Takeuchi K, et al. **Jpn J Pharmacol** 1983 Aug;33(4):910–4
Defining the membrane pathology produced by chronic alcohol consumption [editorial] Harris RA. **Lab Invest** 1984 Feb;50(2):113–4
Effects of chronic ethanol consumption on the partition of lipophilic compounds into erythrocyte membranes. Kelly-Murphy S, et al. **Lab Invest** 1984 Feb;50(2):174–83
Alcohol, HDL cholesterol, and liver microsomal induction [letter] Luoma PV, et al. **Lancet** 1984 Jan 7;1(8367):47
Pressor effect of alcohol in hypertension. Potter JF, et al. **Lancet** 1984 Jan 21;1(8369):119–22
Moderate alcohol intake reduces bile cholesterol saturation and raises HDL cholesterol. Thornton J, et al. **Lancet** 1983 Oct 8;2(8354):819–22
Ethanol inhibition of phencyclidine percutaneous absorption. Bailey DN, et al. **Life Sci** 1984 Feb 20;34(8):757–61
Role of noradrenergic neurons in ethanol-induced elevation of free fatty acids and corticosterone. Brick J, et al. **Life Sci** 1984 Jul 9;35(2):207–12
Possible role of adenosine in the CNS effects of ethanol. Dar MS, et al. **Life Sci** 1983 Oct 3;33(14):1363–74
Effect of ethanol on corticosterone production by dispersed adrenal cells of the rat. Guaza C, et al. **Life Sci** 1984 Sep 10;35(11):1191–6
Tolerance to ethanol-induced contractions of vascular smooth muscle: role of endothelium. Knych ET, et al. **Life Sci** 1984 Aug 6;35(6):611–7
Membrane fatty acid changes and ethanol tolerance in rat and mouse. la Droitte P, et al. **Life Sci** 1984 Sep 10; 35(11):1221–9
Prenatal alcohol exposure alters enkephalin levels, without affecting ethanol preference. McGivern RF, et al. **Life Sci** 1984 Feb 6;34(6):585–9
Ethanol inhibits veratridine-stimulated sodium uptake in synaptosomes. Mullin MJ, et al. **Life Sci** 1984 Jan 16; 34(3):287–92
Direct stimulatory effect of ethanol on 17 alpha-hydroxylase activity of rat testis interstitial cells. Murono EP. **Life Sci** 1984 Feb 27;34(9):845–52
Interactions of ethanol with the hypothalamic-pituitary-thyroid axis. Pamenter RW, et al. **Life Sci** 1984 Feb 20;34(8):707–12 (61 ref.)
Ethanol effects on harmaline-induced tremor and increase of cerebellar cyclic GMP. Rappaport MS, et al. **Life Sci** 1984 Jan 2;34(1):49–56
Depression of biliary glutathione excretion by chronic ethanol feeding in the rat. Vendemiale G, et al. **Life Sci** 1984 Mar 12;34(11):1065–73
Effects of dopaminergic and serotonergic drugs on ethanol-induced hypothermia. Yamawaki S, et al. **Life Sci** 1984 Jan 30;34(5):467–74
Alcohol ingestion and levels of hepatic fatty acid synthetase and stearoyl-CoA desaturase activities in rats. Rao GA, et al. **Lipids** 1984 Feb;19(2):151–3
Ethanol and GABA. Kulonen E. **Med Biol** 1983 Jun; 61(3):147–67 (202 ref.)
A change in isoaccepting leucine transfer RNA species in rat brain after prolonged ingestion of ethanol. Mäenpää PH, et al. **Med Biol** 1983;61(6):313–8
Infections in the alcoholic. Adams HG, et al. **Med Clin North Am** 1984 Jan;68(1):179–200 (126 ref.)
Alcohol and the gastrointestinal tract. Burbige EJ, et al. **Med Clin North Am** 1984 Jan;68(1):77–89 (100 ref.)
Ethanol and the pancreas. Geokas MC. **Med Clin North Am** 1984 Jan;68(1):57–75 (108 ref.)
The effects of alcohol on blood pressure and electrolytes. Kaysen G, et al. **Med Clin North Am** 1984 Jan;68(1):221–46 (156 ref.)
Alcohol and the respiratory tract. Krumpe PE, et al. **Med Clin North Am** 1984 Jan;68(1):201–19 (155 ref.)
Alcohol and the blood. Larkin EC, et al. **Med Clin North Am** 1984 Jan;68(1):105–20 (69 ref.)
The effects of alcohol on the endocrine system. Noth RH, et al. **Med Clin North Am** 1984 Jan;68(1):133–46 (101 ref.)
Alcohol and the heart. Segel LD, et al. **Med Clin North Am** 1984 Jan;68(1):147–61 (141 ref.)
Ethanol feeding and thyroid hormone monodeiodination. Shank ML, et al. **Metabolism** 1984 Jul;33(7):667–71
Ethanol–cephalosporin antibiotic interactions: an animal model for the detection of disulfiram (Antabuse)-like effects. Fromtling RA, et al. **Methods Find Exp Clin Pharmacol** 1983 Nov;5(9):595–600
Bactericidal activity of ethanol against glucose nonfermentative Gram-negative bacilli. Koshiro A, et al. **Microbios** 1984;40(159):33–40
Purification of liver microsomal cytochrome P-450 isozymes 3a and 6 from imidazole-treated rabbits. Evidence for the identity of isozyme 3a with the form obtained by ethanol treatment. Koop DR, et al. **Mol Pharmacol** 1984 May; 25(3):494–501
Ethanol and arterial disease [letter] Mikhailidis DP, et al. **N Engl J Med** 1984 Aug 23;311(8):537–8
Effects of in vivo ethanol administration on Ca2+/Mg2+ ATPase and ATP-dependent Ca2+ uptake activity in synaptosomal membranes. Garrett KM, et al. **Neurochem Res** 1983 Aug;8(8):1013–28
Preventive effect of alcohol against stress-induced alteration in content of monoamines in brain and adrenal gland. Kuriyama K, et al. **Neuropharmacology** 1984 Jun; 23(6):649–54
1,4 Butanediol, gamma-hydroxybutyric acid and ethanol: relationships and interactions. Poldrugo F, et al. **Neuropharmacology** 1984 Jan;23(1):109–113
Effects of chronic ingestion of alcohol in the pregnant rat on catecholamine-sensitive adenylate cyclase in the brain of mothers and their offspring. Salinas M, et al. **Neuropharmacology** 1983 Nov;22(11):1283–8
Picrotoxin inhibits the effect of ethanol on the spontaneous efflux of [3H]-dopamine from superfused slices of rat corpus striatum. Samuel D, et al. **Neuropharmacology** 1983 Dec;22(12A):1413–5
Effect of maternal ethanol administration on synaptic vesicles development in heart of rat offspring. Thadani PV. **Neuropharmacology** 1983 Jul;22(7):931–3
Adrenal glucocorticoids as a required factor in the development of ethanol tolerance in mice. Sze PY, et al. **Neuropsychobiology** 1983;9(4):207–10
Effect of chronic ethanol treatment on adenylate cyclase activity in rat striatum. Lucchi L, et al. **Neurosci Lett** 1983 Sep 30;40(2):187–92
Selective fetal malnutrition: the effect of in vivo ethanol exposure upon in vitro placental uptake of amino acids in the non-human primate. Fisher SE, et al. **Pediatr Res** 1983 Sep;17(9):704–7
Quantitative and qualitative effects of ethanol on the LHRH-LH axis of the rat. Dees WL, et al. **Peptides (Fayetteville)** 1984;5 Suppl 1:209–13
Postsynaptic actions of ethanol and methanol in crayfish neuromuscular junctions. Finger W, et al. **Pflugers Arch** 1984 Feb;400(2):113–20
First Congress of the International Society for Biomedical Research on Alcoholism. Munich, Germany, July 6–10, 1982. **Pharmacol Biochem Behav** 1983;18 Suppl 1:1–593
Role of tyrosine in the acute effects of ethanol on rat brain catecholamine synthesis. Badawy AA, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:389–96
Ethanol effects on dopaminergic function: modulation by the endogenous opioid system. Barbaccia ML, et al. **Pharmacol Biochem Behav** 1980;13 Suppl 1:303–6
Long-lasting reduction in ethanol selection after involuntary intake of ethanol/chlordiazepoxide. Chan AW, et al. **Pharmacol Biochem Behav** 1983 Aug;19(2):275–80
Ethanol's effect on selective gating of somatic sensory inputs to single cortical neurons. Chapin JK, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:489–93
Time-action and behavioral effects of amphetamine, ethanol, and acetylmethadol. Downs DA, et al. **Pharmacol Biochem Behav** 1977 Jun;6(6):671–6
Apomorphine effects on behavioral response to ethanol in mice selectively bred for differential sensitivity to ethanol. Dudek BC, et al. **Pharmacol Biochem Behav** 1984 Jan; 20(1):91–4
Interrelationships of alcohol consumption, actions of alcohol, and biochemical traits. Erwin VG, et al. **Pharmacol Biochem Behav** 1980;13 Suppl 1:297–302
Antagonism of alcohol hypnosis by blockade of prostaglandin synthesis and activity: genotype and time course effects. George FR, et al. **Pharmacol Biochem Behav** 1983 Jul; 19(1):131–6
Effect of ethanol, noradrenaline and 3',5'-cyclic AMP on oxidation of fatty acids and lipolysis in isolated rat hepatocytes. Grunnet N, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:245–50
Chronic ethanol treatment affects synaptosomal membrane-bound enzymes. Guerri C, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:45–50
Acute effects of alcohol on photic evoked potentials of rats: lateral geniculate nucleus and reticular formation. Hetzler BE, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:483–7
Neurohypophyseal peptide influences on ethanol tolerance and acute effects of ethanol. Hoffman PL, et al. **Pharmacol Biochem Behav** 1980;13 Suppl 1:279–84
Ethanol effects on striatal dopamine receptor-coupled

adenylate cyclase and on striatal opiate receptors. Hoffman PL, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:355–9

Studies of neurotransmitter interactions after acute and chronic ethanol administration. Hunt WA, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:371–4

Alcohol tolerance in Escherichia coli. Ingram LO, et al. **Pharmacol Biochem Behav** 1980;13 Suppl 1:191–5

Endocrine effects of ethanol infusion in normal subjects: modification by naloxone. Jeffcoate WJ, et al. **Pharmacol Biochem Behav** 1980;13 Suppl 1:145–8

Effects of ethyl alcohol on hypothalamic affective defense in the cat. Johansson G, et al. **Pharmacol Biochem Behav** 1984 Jun;20(6):841–4

Learned tolerance to ethanol in the spinal cord. Jørgensen HA, et al. **Pharmacol Biochem Behav** 1984 May; 20(5):789–92

Neurochemical correlates of tolerance and strain differences in the neurochemical effects of ethanol. Kiianmaa K, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:383–8

Estrous cyclicity in rats fed an ethanol diet for four months. Krueger WA, et al. **Pharmacol Biochem Behav** 1983 Oct; 19(4):583–5

ESR measurements on the effects of ethanol on the lipid and protein conformation in biological membranes. Logan BJ, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:31–5

Ethanol and dopaminergic systems. Lucchi L, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:379–82

Effects of ethanol, given during pregnancy, on the offspring dopaminergic system. Lucchi L, et al. **Pharmacol Biochem Behav** 1983 Oct;19(4):567–70

Retrograde enhancement by alcohol of delayed free recall performance. Mann RE, et al. **Pharmacol Biochem Behav** 1984 Apr;20(4):639–42

Lack of acute alcohol effects on estradiol and luteinizing hormone in female macaque monkey. Mello NK, et al. **Pharmacol Biochem Behav** 1984 Feb;20(2):293–9

Ethanol effects on synaptic glutamate receptors and on liposomal membrane structure. Michaelis EK, et al. **Pharmacol Biochem Behav** 1980;13 Suppl 1:197–202

Alcohol effects on synaptic membrane calcium ion fluxes. Michaelis ML, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:19–23

Heightened aggressive behavior by animals interacting with alcohol-treated conspecifics: studies with mice, rats and squirrel monkeys. Miczek KA, et al. **Pharmacol Biochem Behav** 1984 Mar;20(3):349–53

Ethanol and protein metabolism in the liver. Mørland J, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:251–6

Inhibition of ethanol- and aldehyde-induced release of ethane from isolated perfused rat liver by pargyline and disulfiram. Müller A, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:429–32

Effects of single doses of alcohol and caffeine on cigarette smoke puffing behavior. Nil R, et al. **Pharmacol Biochem Behav** 1984 Apr;20(4):583–90

Ethanol interaction with propoxyphene and norpropoxyphene metabolism in isolated rat hepatocytes. Olsen H, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:301–4

Ethanol interaction with drug acetylation in vivo and in vitro. Olsen H, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:295–300

Neonatal cerebellectomy alters ethanol-induced sleep time of short sleep but not long sleep mice. Palmer MR, et al. **Pharmacol Biochem Behav** 1984 Jan;20(1):153–9

Modulation of aggressive behavior in fish by alcohol and congeners. Peeke HV, et al. **Pharmacol Biochem Behav** 1981;14 Suppl 1:79–84

Effects of ethanol metabolites on intermediary metabolism in heart muscle. Peuhkurinen KJ, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:279–83

Learned tolerance to the anticonvulsant effects of alcohol in rats. Pinel JP, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:507–10

Acute and chronic catecholamine–ethanol interactions on rat brain (Na+ + K+)-ATPase. Rangaraj N, et al. **Pharmacol Biochem Behav** 1980;13 Suppl 1:183–9

Effects of ethanol and sorbitol on mixed-function oxidation in perfused rat livers. Reinke LA, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:289–94

Effects of peptides related to neurohypophyseal hormones on ethanol tolerance. Rigter H, et al. **Pharmacol Biochem Behav** 1980;13 Suppl 1:285–90

Chlordiazepoxide's interaction with ethanol intake in the rat: relation to ethanol exposure paradigms. Roehrs T, et al. **Pharmacol Biochem Behav** 1984 Jun;20(6):849–53

Comparison of sucrose-sucrose to sucrose-ethanol concurrent responding in the rat: reinforcement schedule and fluid concentration effects. Samson HH, et al. **Pharmacol Biochem Behav** 1984 Jun;20(6):973–7

Cerebellar role in the differential ethanol sensitivity of long sleep and short sleep mice. Seiger A, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:495–9

Differential effects of acute and chronic ethanol treatment on particular opioid peptide systems in discrete regions of rat brain and pituitary. Seizinger BR, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:361–9

Interference by a nonpharmacological factor on the action of psychoactive drugs in rats. A comparative study. Silva-Filho AR, et al. **Pharmacol Biochem Behav** 1983 Nov; 19(5):755–8

Behavioral effects of ethanol and salsolinol in mice selectively bred for acute sensitivity to ethanol. Smolen TN, et al. **Pharmacol Biochem Behav** 1984 Feb;20(2):281–7

Effects of ethanol and salsolinol on catecholamine function in LS and SS mice. Smolen TN, et al. **Pharmacol Biochem Behav** 1984 Jan;20(1):125–31

Effects of ethanol on behaviour of aggressive mice from two different strains: a comparison of simple and complex behavioural assessments. Smoothy R, et al. **Pharmacol Biochem Behav** 1983 Oct;19(4):645–53

Ethanol induces hyper and hypoglycemia in both fasted and nonfasted rats dependent on the ambient temperature. Souza ML, et al. **Pharmacol Biochem Behav** 1984 May; 20(5):649–52

The interactions of ethanol with the benzodiazepine–GABA receptor–ionophore complex. Ticku MK, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:15–8

Initial sensitivity and acute tolerance to ethanol in the P and NP lines of rats. Waller MB, et al. **Pharmacol Biochem Behav** 1983 Oct;19(4):683–6

Adrenalectomy reduces alcohol-stimulated activity: blood and brain alcohol content. Wallis CJ, et al. **Pharmacol Biochem Behav** 1984 Jun;20(6):883–6

Increased responsiveness to ethanol with advancing age in rats. York JL. **Pharmacol Biochem Behav** 1983 Oct; 19(4):687–91

Effects of ethanol on thermoregulation. Kalant H, et al. **Pharmacol Ther** 1983;23(3):313–64 (385 ref.)

Drug–alcohol interactions on psychomotor skills: zopiclone and flunitrazepam. Seppälä T, et al. **Pharmacology** 1983;27 Suppl 2:127–35

The role of the adrenal gland in ethanol-induced triglyceride mobilization. Soliman KF, et al. **Pharmacology** 1984; 29(2):94–8

Response to thermal stress in the rat following acute administration of ethanol. Spiers DE, et al. **Pharmacology** 1984;28(3):155–70

Alcohol interaction of lormetazepam, mepindolol sulphate and diazepam measured by performance on the driving simulator. Willumeit HP, et al. **Pharmacopsychiatry** 1984 Mar;17(2):36–43

The effect of piracetam on the central action of ethanol in mice and rabbits. Czarnecka E, et al. **Pol J Pharmacol Pharm** 1983 Nov-Dec;35(6):451–65

Effects of ethanol on experimental inflammation. Oga S, et al. **Pol J Pharmacol Pharm** 1983 May-Jun;35(3):201–7

Ethanol enhances de novo synthesis of high density lipoprotein cholesterol. Cluette JE, et al. **Proc Soc Exp Biol Med** 1984 Sep;176(4):508–11

The effects of ethanol on pancreatic blood flow in awake and anesthetized dogs. Friedman HS, et al. **Proc Soc Exp Biol Med** 1983 Dec;174(3):377–82

Interactive effects of ethanol and silver on sodium transport across toad skin. Gerencser GA, et al. **Proc Soc Exp Biol Med** 1984 Jul;176(3):257–60

Mechanism of inhibition of granulopoiesis by ethanol. Imperia PS, et al. **Proc Soc Exp Biol Med** 1984 Feb; 175(2):219–25

Ethanol and pentobarbital have different behavioral effects in the rat. Schechter MD. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(2):271–6

Lack of relationship between estrus cycle and effect of ethanol in mice. Wanderley I, et al. **Psychol Rep** 1984 Jun; 54(3):997–8

Alcohol and cognition. Parker ES. **Psychopharmacol Bull** 1984 Summer;20(3):494–6

Ethanol and endogenous ligands in humans. Sandler M, et al. **Psychopharmacol Bull** 1984 Summer;20(3):485–6

Ethanol–psychotropic drug interactions: pharmacokinetics. Sellers EM. **Psychopharmacol Bull** 1984 Summer; 20(3):497–9

Differential effects of ethanol on striatal and cortical adenylate cyclase. Tabakoff B, et al. **Psychopharmacol Bull** 1984 Summer;20(3):481–4

Effect of ethanol on surface body temperature as measured by infrared radiation detection. Brick J, et al. **Psychopharmacology (Berlin)** 1983;81(3):244–6

Stimulant and depressant properties of sedative-hypnotics in mice selectively bred for differential sensitivity to ethanol. Dudek BC, et al. **Psychopharmacology (Berlin)** 1984;82(1–2):46–51

Time interval between sequential exposures to ethanol is critical for the development of neural tolerance or sensitivity. Giknis ML, et al. **Psychopharmacology (Berlin)** 1984;82(3):229–32

Alcohol is an effective cue in the conditional control of tolerance to alcohol. Greeley J, et al. **Psychopharmacology (Berlin)** 1984;83(2):159–62

Tolerance development in humans with task practice on different limbs of the blood-alcohol curve. Haubenreisser T, et al. **Psychopharmacology (Berlin)** 1983;81(4):350–3

Effects of ethanol on cigarette smoking by volunteers without histories of alcoholism. Henningfield JE, et al. **Psychopharmacology (Berlin)** 1984;82(1–2):1–5

Apomorphine-induced hypothermia affected by acute treatment with apomorphine, haloperidol, or ethanol. Lai H, et al. **Psychopharmacology (Berlin)** 1984;82(4):335–7

Differential pharmacological responses to ethanol, pentobarbital and morphine in rats selectively bred for ethanol sensitivity. Mayer JM, et al. **Psychopharmacology (Berlin)** 1983;81(1):6–9

Ethanol and tetrahydroisoquinoline alkaloids do not produce narcotic discriminative stimulus effects. Shearman GT, et al. **Psychopharmacology (Berlin)** 1983;81(3):224–7

Effects of ethanol on murine aggression assessed by biting of an inanimate target. Smoothy R, et al. **Psychopharmacology (Berlin)** 1984;83(3):268–71

Alcohol increases both locomotion and immobility in mice: an ethological analysis of spontaneous motor activity. Smoothy R, et al. **Psychopharmacology (Berlin)** 1984; 83(3):272–6

An investigation into the interaction between ethanol at low doses and the benzodiazepines nitrazepam and temazepam on psychomotor performance in normal subjects. Taberner PV, et al. **Psychopharmacology (Berlin)** 1983;81(4):321–6

Acquisition of behaviourally augmented tolerance to ethanol and its relationship to muscarinic receptors. Wigell AH, et al. **Psychopharmacology (Berlin)** 1984;83(1):88–92

Simulated car driving as a useful technique for the determination of residual effects and alcohol interaction after short- and long-acting benzodiazepines. Willumeit HP, et al. **Psychopharmacology Suppl** 1984;1:182–92

Psychotropic drugs and alcohol: pharmacokinetic and pharmacodynamic interactions. Weller RA, et al. **Psychosomatics** 1984 Apr;25(4):301–3, 305–6, 309 (33 ref.)

Chlorpropamide–ethanol induced met-enkephalin secretion in dogs: release mechanisms and biochemical characterisation. Medbak S, et al. **Regul Pept** 1983 Nov; 7(3):195–206

Reevaluation of the effects of alcohol consumption on rat liver microtubules: effects of feeding status. Baraona E, et al. **Res Commun Chem Pathol Pharmacol** 1984 May; 44(2):265–78

Softening of BISGMA-based polymers by ethanol and by organic acids of plaque. Asmussen E. **Scand J Dent Res** 1984 Jun;92(3):257–61

Partial prevention of ethanol damage of human gastroduodenal mucosa by prostaglandin E2 in vitro. Domschke S, et al. **Scand J Gastroenterol** 1983 Jan; 18(1):113–6

Ethanol modulation of opiate receptors in cultured neural cells. Charness ME, et al. **Science** 1983 Dec 16; 222(4629):1246–8

Decreased neuronal inhibition in vitro after long-term administration of ethanol. Durand D, et al. **Science** 1984 Jun 22;224(4655):1359–61

Behavioral sensitivity to purinergic drugs parallels ethanol sensitivity in selectively bred mice. Proctor WR, et al. **Science** 1984 May 4;224(4648):519–21

Alcohol-induced tolerance in mitochondrial membranes.[letter] Rottenberg H, et al. **Science** 1984 Jan 13;223(4632):193–4

Factors in ethanol tolerance [letter] Tabakoff B, et al. **Science** 1984 May 4;224(4648):523–4

Ethanol-induced reductions in testicular steroidogenesis: major differences between in vitro and in vitro approaches. Cicero TJ, et al. **Steroids** 1982 Nov;40(5):561–8

The role of ethanol in diluents of drugs that protect mice from hypoxia. Moursi MM, et al. **Stroke** 1983 Sep-Oct; 14(5):791–6

Enkephalinergic–dopaminergic 'reward' pathways: a critical substrate for the stimulatory, euphoric and memory-enhancing actions of alcohol—a hypothesis. Esposito RU, et al. **Subst Alcohol Actions Misuse** 1984; 5(2):111–9

Indomethacin–ethanol interactions on acute inflammation. Greizerstein HB. **Subst Alcohol Actions Misuse** 1983; 4(6):393–9

Changes of lipid peroxidation in mouse brain crude synaptosomal preparations in relation to the development and disappearance of tolerance to ethanol. Kaneto H, et al. **Subst Alcohol Actions Misuse** 1983;4(4):313–9

Regional effects of ethanol on glutamate levels, uptake and release in slice and synaptosome preparations from rat brain. Keller E, et al. **Subst Alcohol Actions Misuse** 1983; 4(6):383–92

Hepatic alterations in rats fed ethanol at two levels of lipotropes. Koch OR, et al. **Subst Alcohol Actions Misuse** 1983;4(4):263–72

Alcohol and state-dependent learning. Lowe G. **Subst Alcohol Actions Misuse** 1983;4(4):273–82

Chronic ethanol treatment changes the number of beta-receptors in rat brain microvessels. Lucchi L, et al. **Subst Alcohol Actions Misuse** 1984;5(2):69–75

Nicotine potentiates sodium pentobarbital but not ethanol induced sleep. Modak AT, et al. **Subst Alcohol Actions Misuse** 1983;4(4):321–9

Effect of alcohol on plasma secretin concentration and pancreatic secretion in dogs. Nishiwaki H, et al. **Surgery** 1984 Jan;95(1):85–9

The effects of ethanol exposure during the brain growth spurt in rats. Burns EM, et al. **Teratology** 1984 Apr;29(2):251–8

Taste aversion learning in preweanling rats exposed to alcohol prenatally. Riley EP, et al. **Teratology** 1984 Jun; 29(3):325–31

Interactions between ethanol and dietary fat in determining human platelet function. Fenn CG, et al. **Thromb Haemost** 1984 Feb 28;51(1):50–3

Ethanol inhibits platelet thromboxane A2 production but has no effect on lung prostacyclin synthesis in humans. Toivanen J, et al. **Thromb Res** 1984 Jan 1;33(1):1–8

Effects of alcohol diet from the fetal period on lipid metabolism in rats. Maekubo H, et al. **Tohoku J Exp Med** 1983 Oct;141(2):133–42

The effects of ethanol ingestion and repeated benzene exposures on benzene pharmacokinetics. Driscoll KE, et al. **Toxicol Appl Pharmacol** 1984 May;73(3):525–32

Studies of the effects of alpha-difluoromethylornithine and ethanol on the pathogenesis of bleomycin-induced pulmonary fibrosis in mice. Frost SB, et al. **Toxicol Appl Pharmacol** 1983 Dec;71(3):307–15

Transient induction of hepatic metallothionein following oral ethanol administration. Waalkes MP, et al. **Toxicol Appl Pharmacol** 1984 Jun 30;74(2):230–6

Effects of the administration of coca alkaloids on the primary immune responses of mice: interaction with delta 9-tetrahydrocannabinol and ethanol. Watson ES, et al. **Toxicol Appl Pharmacol** 1983 Oct;71(1):1–13

Effect of ethanol on the immune system in mice. Caren LD, et al. **Toxicol Lett** 1983 Oct–Nov;19(1–2):147–53

Metabolic fate of ammonia in the rat after ethanol loading. Mohanachari V, et al. **Toxicol Lett** 1984 Feb;20(2):225–8

[Stability of the rat liver mitochondria after the treatment with cortisol and ethanol] Petrova A, et al. **Eksp Med Morfol** 1984;23(2):57–61 (Eng. Abstr.) **(Bul)**

[Prognosis of chronic active hepatitis and the effect of alcohol on lymphocyte subpopulations] Hirt M, et al. **Vnitr Lek** 1983 Sep;29(9):883–9 (Eng. Abstr.) **(Cze)**

[Interaction between tiapride and alcohol in man] Vandel B, et al. **Sem Hop Paris** 1984 Jan 26;60(3):175–7 (Eng. Abstr.) **(Fre)**

[Propafenon and alcohol: effect of this combination of behavioral performance and the subjective condition in healthy volunteers] Bergemann N, et al. **Arzneimittelforsch** 1983;33(11):1598–602 (Eng. Abstr.) **(Ger)**

[Computer assisted echocardiography functional diagnosis. The question of inotropic effect of antidepressive drugs and ethanol] Wester HA. **Fortschr Med** 1983 Nov 17; 101(43):1985–90 (Eng. Abstr.) **(Ger)**

[The influence on reproduction in rats of DDE mobilization induced by ethanol administration during pregnancy and lactation] Bleyl DW, et al. **Nahrung** 1984;28(4):357–69 (Eng. Abstr.) **(Ger)**

[Effect of the intake of a small quantity of ethanol on the determination of the serum enzymes ALAT, ASAT and gamma-GT in normal subjects] Köhler P, et al. **Z Med Lab Diagn** 1984;25(2):76–80 (Eng. Abstr.) **(Ger)**

[Effects of alcohol on the myocardium. I. An analysis of the effects of ethanol on the bullfrog myocardium] Ikeda K, et al. **Fukuoka Igaku Zasshi** 1984 Feb;75(2):64–71 (Eng. Abstr.) **(Jpn)**

[Experimental studies on combined chemotherapy with hyperthermia and ethanol for advanced esophageal cancer. I. In vitro effects of combined treatments on 3H-TdR uptake of FM3A cells by microculture method] Takiyama W. **Nippon Geka Gakkai Zasshi** 1983 Dec;84(12):1251–8 (Eng. Abstr.) **(Jpn)**

[Gas chromatographic determination of sulpyrine in blood and the effect of ethanol intake on the sulpyrine level in rabbit blood] Ameno K, et al. **Nippon Hoigaku Zasshi** 1983 Jun;37(3):217–26 (Eng. Abstr.) **(Jpn)**

[Effect of ethanol on methanol intoxication. II. Effect of ethanol on blood formic acid in rabbit administered with methanol] Kuo TL. **Nippon Hoigaku Zasshi** 1983 Jun; 37(3):209–16 **(Jpn)**

[Alcoholism and neuroendocrinology, with special reference to pituitary hormones and alcohol] Kato N, et al. **Nippon Rinsho** 1983 May;41(5):1048–53 (55 ref.) **(Jpn)**

[Effects of alcohol, diuretics and other medicine on lipoprotein metabolism] Nakai T. **Nippon Rinsho** 1983 Aug; 41(8):1882–8 **(Jpn)**

[Effects of ethanol on secretion of glucagon, especially on gut glucagon-like immunoreactivity] Hyakkoku B, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 May;80(5):1151–61 (Eng. Abstr.) **(Jpn)**

[Effect of alcohol ingestion on plasma secretin and exocrine pancreatic secretion] Nishiwaki H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Jun;81(6):1453–9 (Eng. Abstr.) **(Jpn)**

[Effects of alcohol drinking on mental task performance] Misawa T, et al. **Sangyo Igaku** 1983 Sep;25(5):406–14 (Eng. Abstr.) **(Jpn)**

[Correlations between alcohol-induced hypoglycemias and hyperlipoproteinemias] Creţeanu G, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Apr–Jun;87(2):283–4 (Eng. Abstr.) **(Rum)**

[Mechanism of action of ethanol on enkephalinase A activity in the rat brain] Panchenko LF, et al. **Biull Eksp Biol Med** 1984 Jun;97(6):691–2 (Eng. Abstr.) **(Rus)**

[Disinhibitory action of ethanol on Purkinje cell activity of the cerebellum in the cat] Grigor'ian RA, et al. **Dokl Akad Nauk SSSR** 1984 Mar–Apr;275(1):227–30 **(Rus)**

[Effect of ethanol and clofibrate on the activity of lipid catabolism enzyme systems in rat liver] Antonenko VD, et al. **Farmakol Toksikol** 1983 Sep–Oct;46(5):86–90 (Eng. Abstr.) **(Rus)**

[Interhemispheric relation of brain structures in various functional states of the central nervous system] Lapina IA, et al. **Fiziol Zh SSSR** 1984 Jan;70(1):3–8 (Eng. Abstr.) **(Rus)**

[Experimental study on the effectiveness of a barium sulfate film for the protection of the skin from radiation injuries] Mal'tsev VN, et al. **Gig Tr Prof Zabol** 1983 Nov;(11):52–4 **(Rus)**

[Interaction of drug preparations and ethyl alcohol] Skakun NP, et al. **Ter Arkh** 1984;56(5):130–4 (60 ref.) **(Rus)**

[Effect of ethanol on the synthesis of chromatin proteins of the nuclei of rat liver cells] Khomenko EI, et al. **Ukr Biokhim Zh** 1984 Mar–Apr;56(2):191–4 (Eng. Abstr.) **(Rus)**

[Effect of alcohol intoxication on activity of enzymes in ethanol oxidation and on arginase activity in rat liver] Gurtovenko VM, et al. **Vopr Med Khim** 1983 Jul–Aug; 29(4):51–4 (Eng. Abstr.) **(Rus)**

[Arginase activity in various tissues of rats in alcohol intoxication] Trapeznikova SS, et al. **Vopr Med Khim** 1983 Jul–Aug;29(4):95–8 (Eng. Abstr.) **(Rus)**

[The effect of alcohol on DMNA synthesis from its precursors in vivo and in vitro] Shendrikova IA, et al. **Vopr Onkol** 1984;30(6):91–6 (Eng. Abstr.) **(Rus)**

[Effect of ethanol on components of the nonspecific startle reaction in man] Volynkina Glu, et al. **Zh Nevropatol Psikhiatr** 1984;84(4):596–600 (Eng. Abstr.) **(Rus)**

[Effect of ethanol on the electrical activity of rat hippocampal neurons in tissue culture] Chubakov AR, et al. **Zh Vyssh Nerv Deiat** 1984 May–Jun;34(3):520–6 (Eng. Abstr.) **(Rus)**

[Ethanol, viruses and interferon in experimental models in vitro and in vivo] Libíková H, et al. **Cesk Psychiatr** 1984 Apr;80(2):107–16 (Eng. Abstr.) **(Slo)**

[Consumption of alcohol over a long period and the oxidative metabolism of nervous and glandular structures associated with sexual activity] Menéndez-Abraham E, et al. **Reproduccion** 1983 Jan–Jun;7(1–2):17–24 (Eng. Abstr.) **(Spa)**

[Endocrine effects of alcohol] Vendrell Sala JM. **Rev Clin Esp** 1983 Dec 15;171(5):305–8 **(Spa)**

[Effect of ethanol in the pre-ovulatory period on the ovarian cycle, progesterone and estradiol in the rat] Marcó J, et al. **Rev Esp Fisiol** 1984 Mar;40(1):5–9 (Eng. Abstr.) **(Spa)**

[Impact of alcohol consumption on the mineral composition of the body in the rat] Vaquero MP, et al. **Rev Esp Fisiol** 1984 Mar;40(1):95–101 (Eng. Abstr.) **(Spa)**

[Effect of ethanol on the detoxification of hydrogen peroxide induced by ascorbic acid in normal erythrocytes and those with glucose-6-phosphate dehydrogenase deficiency] Coutinho V. **Sangre (Barc)** 1984;29(1):10–4 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

Pre-operative alcohol infusion. The need for analgesic supplementation in chronic alcoholics. St Haxholdt O, et al. **Anaesthesia** 1984 Mar;39(3):240–5

Hemodialysis treatment of methanol intoxication. Hoy WE, et al. **Artif Organs** 1983 Nov;7(4):479–81

Embolisation of hypernephromas: a simple technique using ethanol. Wells IP, et al. **Clin Radiol** 1983 Nov;34(6):689–92

Enhanced antitumor effects of bleomycin and moderate hyperthermia by additional use of ethanol. Takiyama W, et al. **Jpn J Surg** 1984 May;14(3):262–4

Effect of alcohol on tremors: comparison with propranolol. Koller WC, et al. **Neurology (NY)** 1984 Feb;34(2):221–2

Changes in the concentration of somatostatin and substance P in the cerebrospinal fluid following injection of alcohol into the pituitary gland. Conlon JM, et al. **Neuropeptides** 1984 May;4(3):227–36

Ethanol for hepatic artery embolization. Wallace S, et al. **Radiology** 1984 Sep;152(3):821–2

The effect of alcohol on the toxicity of acetaminophen in mice. Banda PW, et al. **Res Commun Chem Pathol Pharmacol** 1984 Jan; 43(1):127–38

Renal devitalization with ethanol injection in management of patients with advanced hypernephroma. Jitsukawa S, et al. **Urology** 1984 Jan;23(1):87–92

[Ultrasound-guided renal cyst puncture and 95% ethanol instillation. Part 2: Morphological and functional alterations] Kawamura J, et al. **Hinyokika Kiyo** 1984 May; 30(5):589–98 (Eng. Abstr.) **(Jpn)**

[Two cases of renal arteriovenous fistula treated by transcatheter embolization with absolute ethanol] Sasaki M, et al. **Hinyokika Kiyo** 1984 Mar;30(3):295–8 (Eng. Abstr.) **(Jpn)**

[Oral narcotics: the Brompton mixture. Our experience in its use in cancer patients] Aliaga Font L, et al. **Rev Esp Anestesiol Reanim** 1983 Nov–Dec;30(6):230–6 (Eng. Abstr.) **(Spa)**

TOXICITY

Synthesis of collagen and other proteins in parenchymal and non-parenchymal liver cells from CCl4- or ethanol-treated rats. Väänänen H, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Jul;55(1):78–80

Sex differences in the susceptibility of rats to carbon tetrachloride--alcohol-induced liver injury. Siegers CP, et al. **Agents Actions** 1984 Jan;14(1):121–3

Ethanol-related changes in liver microsomes and mitochondria from the monkey, Macaca fascicularis. Cunningham CC, et al. **Alcoholism (NY)** 1983 Fall; 7(4):424–30

Demonstration of central nervous system tolerance to ethanol in mice: consequent effects on smooth muscle in vitro. Dillon MM, et al. **Alcoholism (NY)** 1983 Fall;7(4):349–56

Chlorpromazine and dithioerythritol protection against acute ethanol toxicity. Gailis L, et al. **Alcoholism (NY)** 1984 May–Jun;8(3):308–13

Isolated intestinal cells of guinea pig: a suitable model for assessing direct toxic effects of ethanol on the mucosa of the upper small intestine. Lopez del Pino V, et al. **Arch Toxicol [Suppl]** 1983;6:322–6

The effect of chronic alcohol feeding on lipid peroxidation in microsomes: lack of relationship to hydroxyl radical generation. Shaw S, et al. **Biochem Biophys Res Commun** 1984 Jan 13;118(1):233–8

Decrease in arachidonoyl-containing phosphatidylinositols in pancreas of rats fed an ethanol-containing diet. Cronholm T, et al. **Biochem Pharmacol** 1984 Apr 1; 33(7):1105–9

Changes in membrane lipid content after chronic ethanol administration with respect to fatty acyl compositions and phospholipid type. Wing DR, et al. **Biochem Pharmacol** 1984 May 15;33(10):1625–32

Adaptive changes in lipid composition of rat liver plasma membrane during postnatal development following maternal ethanol ingestion. Rovinski B, et al. **Biochim Biophys Acta** 1983 Nov 23;735(3):407–17

How toxic are propoxyphene and ethanol in combination? Reiffenstein RJ, et al. **Can J Physiol Pharmacol** 1984 Jun; 62(6):700–3

Potentiation of dimethylnitrosamine genotoxicity in rat hepatocytes isolated following ethanol treatment in vivo. Olson MJ, et al. **Chem Biol Interact** 1984 Aug;50(3):313–26

Ethanol and diazepam effects on intrauterine growth of the rat. Greizerstein HB, et al. **Dev Pharmacol Ther** 1983; 6(6):409–18

Comparative toxicity of alcohol and gasoline fueled automobile exhaust fumes. Böhm GM, et al. **Dev Toxicol Environ Sci** 1983;11:479–82

Effect of ethanol on the immune system in mice. Caren LD, et al. **Dev Toxicol Environ Sci** 1983;11:435–8

Prostaglandin cytoprotection. Prostaglandin does not protect against aspirin- or alcohol-induced red blood cell hemolysis. Guth PH, et al. **Dig Dis Sci** 1983 Oct; 28(10):903–7

Altered atrial responses to drugs after acute exposure to nitrogen dioxide and/or ethanol. Early J, et al. **Drug Chem Toxicol** 1983;6(3):279–84

Vagal influence on exocrine pancreas of alcohol-fed and of normal dogs. Schmidt DN, et al. **Eur J Clin Invest** 1984 Apr;14(2):111–5

Morphometric-interferometric investigations of neurons in the medial thalamic nucleus of newborn rats following maternal treatment with ethanol. Dietzmann K, et al. **Exp Pathol** 1984;25(4):245–9

Effects of orally-administered ethanol on mammary gland morphology and functional efficiency in lactating rats. Jones WL, et al. **Exp Pathol** 1984;25(4):205–13

Tissue damage in the rabbit oral mucosa by acute and chronic direct toxic action of different alcohol concentrations. Müller P, et al. **Exp Pathol** 1983;24(2–3):171–81

Protection of rat gastric mucosa against ethanol injury by the new synthetic prostaglandin MDL 646. Pallavicini G, et al. **Experientia** 1984 Apr 15;40(4):371–2

Alcohol potentiation of liver injury. Strubelt O. **Fundam Appl Toxicol** 1984 Apr;4(2 Pt 1):144–51

Is hypoxia involved in the mechanism of alcohol-induced liver injury? Thurman RG, et al. **Fundam Appl Toxicol** 1984 Apr;4(2 Pt 1):125–33

Influence of vagotomy on mucosal protection against alcohol-induced gastric damage in the rat. Henagan JM, et al. **Gastroenterology** 1984 Oct;87(4):903–8

Role of the microcirculation in ethanol-induced mucosal injury in the dog. Kvietys PR, et al. **Gastroenterology** 1984 Sep;87(3):562–71

Skeletal development in fetuses of rats consuming alcohol during gestation. Lee M, et al. **Growth** 1983 Autumn; 47(3):254–62

Ultrastructural changes in neonatal liver tissue: effects of maternal drinking. Amankwah KS, et al. **Gynecol Obstet Invest** 1984;17(4):213–8

Selective damage to type 2B muscle fibres in ethanol-fed rats [letter] Brumback RA. **J Clin Pathol** 1983 Dec; 36(12):1415–6

The development potential of ethanol-induced monosomic and trisomic conceptuses in the mouse. Kaufman MH, et al. **J Exp Zool** 1984 Jul;231(1):149–55

Effects of ethanol ingestion on maternal and fetal glucose homeostasis. Singh SP, et al. **J Lab Clin Med** 1984 Aug; 104(2):176–84

Amelioration of cardiotoxic effects of alcohol by vitamin E. Redetzki JE, et al. **J Toxicol Clin Toxicol** 1983 Jun; 20(4):319–31

Acute embryopathic effects of ethanol in the Long-Evans rat. Mankes RF, et al. **J Toxicol Environ Health** 1983 Apr–Jun;11(4–6):583–90

Toxicological studies on the influence of diazepam following prolonged administration of ethanol in the rhesus monkey and rat. Watanabe M, et al. **J Toxicol Sci** 1983 Nov; 8(4):243–67

Effect of polyamines on acidified ethanol-induced gastric lesions in rats. Mizui T, et al. **Jpn J Pharmacol** 1983 Oct; 33(5):939–45

Free radicals, lipid peroxidation, and ethanol hepatotoxicity

[letter] Ryle PR. **Lancet** 1984 Aug 25;2(8400):461
Effect of ethanol feeding on the urinary histamine level of the pregnant rat. Lin GW, et al. **Life Sci** 1984 Jun 4; 34(23):2265–72
Zimelidine effects on memory impairments produced by ethanol. Weingartner H, et al. **Life Sci** 1983 Nov 28; 33(22):2159–63
Hypersensitivity to the tremorogenic action of nicotine in rats withdrawn from ethanol. Gothóni P. **Med Biol** 1983; 61(6):344–5
Effect of Kalmegh extract on rat liver and serum enzymes. Choudhury BR, et al.
Methods Find Exp Clin Pharmacol 1983 Dec;5(10):727–30
The effect of ethanol upon early development in mice and rats. V. In vivo effect of acute preimplantation intoxication with or without previous chronic alcoholization. Checiu M, et al. **Morphol Embryol (Bucur)** 1983 Jul–Sep; 29(3):149–57
Induction of sister–chromatid exchanges by alcohol and alcoholic beverages after metabolic activation by rat–liver homogenate. de Raat WK, et al. **Mutat Res** 1983 Oct; 124(1):85–90
Disruptive effects of ethyl alcohol on mitotic chromosome segregation in diploid and haploid strains of Aspergillus nidulans. Käfer E. **Mutat Res** 1984 Jan;135(1):53–75
Effects of prenatal ethanol exposure on heart rate, activity, and response suppression. Caul WF, et al.
Neurobehav Toxicol Teratol 1983 Jul–Aug;5(4):461–4
Discrimination of serotonergic drugs is unaltered in rats prenatally exposed to ethanol. Haenlein M, et al.
Neurobehav Toxicol Teratol 1983 Jul–Aug;5(4):475–8
Acute ethanol administration during pregnancy: effects on central dopaminergic transmission in rat offspring. Lucchi L, et al. **Neurobehav Toxicol Teratol** 1984 Jan–Feb; 6(1):19–21
Quantitative measures of mature neuronal morphology after in utero ethanol exposure. Pentney RJ, et al.
Neurobehav Toxicol Teratol 1984 Jan–Feb;6(1):59–65
Hypervitaminosis A enhances hepatotoxicity of ethanol in rats. **Nutr Rev** 1983 Jul;41(7):224–6 (9 ref.)
Male reproductive tract sensitivity to ethanol: a critical overview. Anderson RA Jr, et al.
Pharmacol Biochem Behav 1983;18 Suppl 1:305–10
Ethanol, essential fatty acids and prostaglandins. Anggård E. **Pharmacol Biochem Behav** 1983;18 Suppl 1:401–7
Zonal redox changes as a cause of selective perivenular hepatotoxicity of alcohol. Baraona E, et al.
Pharmacol Biochem Behav 1983;18 Suppl 1:449–54
Ethanol–induced hyperglycemia mediated by the central nervous system. Erwin VG, et al.
Pharmacol Biochem Behav 1983;18 Suppl 1:559–63
Brain membrane disordering by administration of a single ethanol dose. Fleuret–Balter C, et al.
Pharmacol Biochem Behav 1983;18 Suppl 1:25–9
Morphologic alterations of rat Leydig cells induced by ethanol. Gavaler JS, et al. **Pharmacol Biochem Behav** 1983; 18 Suppl 1:341–7
Neonatal ethanol exposure: effects on adult behavior and brain growth parameters. Grant KA, et al.
Pharmacol Biochem Behav 1983;18 Suppl 1:331–6
On the characteristics of alcohol–induced liver enlargement and its possible hemodynamic consequences. Israel Y, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:433–7
Selective increase in pericentral oxygen gradient in perfused rat liver following ethanol treatment. Ji S, et al.
Pharmacol Biochem Behav 1983;18 Suppl 1:439–42
Tolerance to ethanol in rats bred on essential fatty acid deficient diets. Jones AW, et al.
Pharmacol Biochem Behav 1983 Jul;19(1):115–9
Hypoxic hepatocellular injury. Lemasters JJ, et al.
Pharmacol Biochem Behav 1983;18 Suppl 1:455–9
Ethanol and neuronal metabolism. Mandel P, et al.
Pharmacol Biochem Behav 1980;13 Suppl 1:175–82
Ethanol effects on synaptic glutamate receptor function and on membrane lipid organization. Michaelis EK, et al.
Pharmacol Biochem Behav 1983;18 Suppl 1:1–6
Interaction of alcohol and zinc in fetal dysmorphogenesis. Miller SI, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:311–5
Changes in cholinergic activity in human hippocampus following chronic alcohol abuse. Nordberg A, et al.
Pharmacol Biochem Behav 1983;18 Suppl 1:397–400
Inhibition of protein degradation in regenerating rat liver by ethanol treatment. Pösö H.
Pharmacol Biochem Behav 1980;13 Suppl 1:83–8
Pharmacogenetics of alcohol's CNS effect: implications for the etiology of alcoholism. Propping P.
Pharmacol Biochem Behav 1983;18 Suppl 1:549–53
Ethanol and biological membranes: injury and adaptation. Rubin E, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:7–13
Biochemical mode of action of a hepatoprotective drug: observations on (+)–catechin. Ryle PR, et al.
Pharmacol Biochem Behav 1983;18 Suppl 1:473–8
Effect of acute and chronic ethanol consumption on hepatic tissue oxygen tension in rats. Sato N, et al.
Pharmacol Biochem Behav 1983;18 Suppl 1:443–7
Potentiation of halothane hepatotoxicity by chronic ethanol administration in rat: an animal model of halothane hepatitis. Takagi T, et al. **Pharmacol Biochem Behav** 1983; 18 Suppl 1:461–5
Ethanol, a Leydig cell toxin: evidence obtained in vivo and in vitro. Van Thiel DH, et al.
Pharmacol Biochem Behav 1983;18 Suppl 1:317–23
Bile duct scarring following ethanol embolization of the hepatic artery: an experimental study in monkeys. Doppman JL, et al. **Radiology** 1984 Sep;152(3):621–6
Hepatic infarction with absolute ethanol. O'Riordan D, et al. **Radiology** 1984 Sep;152(3):627–30
Prenatal ethanol exposure alters development of heart ornithine decarboxylase response to insulin in rat. II. Daily dose. Thadani PV.
Res Commun Chem Pathol Pharmacol 1983 Jul;41(1):19–36
Genetic factors in drug neuroteratogenicity. Yanai J.
Subst Alcohol Actions Misuse 1983;4(1):19–30 (90 ref.)
Teratogenesis after acute alcohol exposure in cultured rat embryos. Wynter JM, et al.
Teratogenesis Carcinog Mutagen 1983;3(5):421–8
Effects of ethanol on the primitive streak stage mouse embryo. Nakatsuji N, et al. **Teratology** 1984 Jun; 29(3):369–75
Craniofacial malformation in Xenopus laevis tadpoles caused by the exposure of early embryos to ethanol. Nakatsuji N. **Teratology** 1983 Oct;28(2):299–305
The effects of prenatal ethanol in cynomolgus monkeys. Scott WJ Jr, et al. **Teratology** 1984 Feb;29(1):49–56
Effects of long term intravenous administration of ethanol on rat pancreas. Matsuno S, et al. **Tohoku J Exp Med** 1983 Sep;141(1):77–89
Determination of the proximate teratogen of the mouse fetal alcohol syndrome. 1. Teratogenicity of ethanol and acetaldehyde. Blakley PM, et al.
Toxicol Appl Pharmacol 1984 Feb;72(2):355–63
The role of maternal diet in the developmental toxicology of ethanol. Goad PT, et al. **Toxicol Appl Pharmacol** 1984 Apr;73(2):256–67
Acute exposure to methyl or ethyl alcohol alters auditory function in the rat. Wecker JR, et al.
Toxicol Appl Pharmacol 1984 Jun 30;74(2):258–66
A comparison of the cellular toxicity of exhausts from cars driven on present and future fuels. Bernson V.
Toxicol Lett 1983 Oct–Nov;19(1–2):119–26
The transplacental effects of ethanol and metronidazole in Swiss Webster mice. Giknis ML, et al. **Toxicol Lett** 1983 Oct–Nov;19(1–2):37–42
The effects of ethanol and the role of the spleen during benzene–induced hematotoxicity. Rosenthal GJ, et al.
Toxicology 1984 Apr 16;30(4):283–95
Increased acetaminophen–induced hepatotoxicity after chronic ethanol consumption in mice. Walker RM, et al.
Toxicology 1983;28(3):193–206
Developmental and behavioral effects of maternal alcohol exposure in rats. Iwasaki T, et al.
Yakubutsu Seishin Kodo 1982 Jul;2(1):39–46
Combined ulcerogenic effect of ethanol and acetylsalicylic acid on the gastric mucosa of the rat. Hirvonen J, et al.
Z Rechtsmed 1983;90(4):239–46
[What control solutions should be used in studies on the acute effect of alcohol on the gastrointestinal tract?] Singer MV.
Z Gastroenterol 1983 Oct;21(10):567–73 (Eng. Abstr.) **(Ger)**
[Toxic role of an endogenous substance: 1,4–butanediol] Poldrugo F. **Minerva Psichiatr** 1984 Jan–Mar;25(1):55–60 (Eng. Abstr.) **(Ita)**
[Toxicological characteristics of an experimental model of alcoholism in rats] Burov IuV, et al. **Farmakol Toksikol** 1983 Jul–Aug;46(4):112–7 (Eng. Abstr.) **(Rus)**
[Embryotoxic and mutagenic activity of ethanol and acetaldehyde in intra–amniotic exposure] Bariliak IR, et al. **Tsitol Genet** 1983 Sep–Oct;17(5):57–60 (Eng. Abstr.) **(Rus)**

URINE

Artifactual production and recovery of acetaldehyde from ethanol in urine. Giles HG, et al.
Can J Physiol Pharmacol 1983 Jul;61(7):717–21

ALCOHOL, METHYL

Derivatives of methanopterin, a coenzyme involved in methanogenesis. van Beelen P, et al. **Eur J Biochem** 1984 Mar 1;139(2):359–65
Effects of methanol concentration and solvent:peanut ratio on extraction of aflatoxin from raw peanuts. Whitaker TB, et al. **J Assoc Off Anal Chem** 1984 Jan–Feb;67(1):35–6
Cryoprotection of day–4 mouse embryos by methanol. Rall WF, et al. **J Reprod Fertil** 1984 Jan;70(1):293–300
Accidental burns with domestic fire–lighting fluid. Jurell G, et al. **Scand J Plast Reconstr Surg** 1984;18(1):155–6
[Photochemical conversion of ethoxyquin in methanol] Kato S. **Eisei Shikenjo Hokoku** 1983;(101):106–9 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Effect of therapeutic agents on acute ocular toxicity of methyl alcohol (an experimental study). Khosla PK, et al.
Indian J Ophthalmol 1983 Sep;31(5):535–7

ANALOGS & DERIVATIVES

Identification of hydrogen selenide and other volatile selenols by derivatization with 1–fluoro–2,4–dinitrobenzene. Ganther HE, et al. **Anal Biochem** 1984 May 1; 138(2):396–403

ANALYSIS

Quantitation of methanol formed in cell culture cytotoxicity assays and as a metabolite in microsome suspensions. Toren PC, et al. **J Chromatogr** 1984 Jan 13;305(1):171–7
Detection limits for a GC determination of methanol and methylene chloride residues on film–coated tablets. Winkel DR, et al. **J Pharm Sci** 1984 Jan;73(1):115–7

BLOOD

[Evaluation of high methanol level in concomitant alcohol analyses] Iffland R, et al. **Beitr Gerichtl Med** 1984;42:231–6 (Eng. Abstr.) **(Ger)**

METABOLISM

Taxonomic study of four yeast strains assimilating methanol. Nowakowska–Waszczuk A, et al. **Acta Microbiol Pol** 1983; 32(1):73–85
The significance of peroxisomes in the metabolism of one–carbon compounds in yeasts. Veenhuis M, et al.
Adv Microb Physiol 1983;24:1–82 (197 ref.)
Coupling of ATP synthesis and methane formation from methanol and molecular hydrogen in Methanosarcina barkeri. Blaut M, et al. **Eur J Biochem** 1984 May 15; 141(1):217–22
The effect of EDTA and related chelating agents on the oxidation of methanol by the methylotrophic bacterium, Methylophilus methylotrophus. Carver MA, et al.
Eur J Biochem 1984 Feb 1;138(3):611–5
Reversal of 2–bromoethanesulfonate inhibition of methanogenesis in Methanosarcina sp. Smith MR.
J Bacteriol 1983 Nov;156(2):516–23
Pulmonary excretion of methanol in man. Jacobsen D, et al. **Scand J Clin Lab Invest** 1983 Sep;43(5):377–9
[Respiratory activity of methanol–assimilating yeasts] Denchev D, et al. **Acta Microbiol Bulg** 1984;14:5–10 (Eng. Abstr.) **(Bul)**
[Effect of certain factors on the growth of bacteria contaminating hydrolysis yeast production and of yeasts assimilating and not assimilating methanol] Kostov V, et al. **Acta Microbiol Bulg** 1983;13:46–55 (Eng. Abstr.) **(Bul)**
[Improvement of Y–values of Hansenula polymorpha growth on methanol by simultaneous utilization of glucose] Müller R, et al. **Z Allg Mikrobiol** 1983;23(6):375–84 (Eng. Abstr.) **(Ger)**
[Acute toxicity of methanol–utilizing bacteria and their single cell protein products in mice] Urakami T, et al.
Nippon Saikingaku Zasshi 1983 May;38(3):637–43 (Eng. Abstr.) **(Jpn)**
[Growth characteristics of haploid and diploid Hansenula polymorpha yeasts on methanol in continuous culture] Parshina SN, et al. **Mikrobiologiia** 1983 Sep–Oct; 52(5):812–5 (Eng. Abstr.) **(Rus)**
[Glutathione participation in the regulation of methanol metabolism in yeasts] Ubilvovk VM, et al.
Mikrobiologiia 1983 May–Jun;52(3):383–7 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Multiple effects of short–chain alcohols on binding to rat heart muscarinic receptors. Waelbroeck M, et al.
Biochem J 1984 Apr 15;219(2):563–71
Methanol–induced release of tightly bound adenine nucleotides from thylakoid–associated CF1. Anthon GE, et al. **Biochim Biophys Acta** 1984 Aug 31;766(2):354–62
Induction of proteolytic activity in serum by treatment with anionic detergents and organic solvents. Berger D, et al.
Experientia 1983 Oct 15;39(10):1109–11
The effect of cryosolvents on the spectral and catalytic properties of liver alcohol dehydrogenase. Geeves MA, et al. **J Biol Chem** 1983 Oct 25;258(20):12184–9
Postsynaptic actions of ethanol and methanol in crayfish neuromuscular junctions. Finger W, et al. **Pflugers Arch** 1984 Feb;400(2):113–20
[Effect of a fraction of methanol extraction of licorice root on release of secretin in humans] Shiratori K.
Nippon Shokakibyo Gakkai Zasshi 1984 Jan;81(1):124 **(Jpn)**
[Mechanism of glycerol and methanol action on soluble ATPase of mitochondria] Ivashchenko AT, et al.
Biokhimiia 1983 Aug;48(8):1256–60 (Eng. Abstr.) **(Rus)**

POISONING

Toxicokinetics of formate during hemodialysis. Jacobsen D, et al. **Acta Med Scand** 1983;214(5):409–12
Clinical observations on ten cases of methanol poisoning with particular reference to ocular manifestations. Ingemansson SO. **Acta Ophthalmol (Copenh)** 1984 Feb;62(1):15–24
Studies on the effect of 4–methylpyrazole on retinal activity in the methanol poisoned monkey by recording the electroretinogram. Ingemansson SO.
Acta Ophthalmol [Suppl] (Copenh) 1983;158:1–24
Fanconi's syndrome associated with carburetor fluid intoxication. Rastogi SP, et al. **Am J Clin Pathol** 1984 Jul; 82(1):124–5
Absence of symptoms and acidosis in potentially lethal methanol poisoning [letter] Nanji AA. **Ann Emerg Med** 1984 Jun;13(6):487
Hemodialysis treatment of methanol intoxication. Hoy WE, et al. **Artif Organs** 1983 Nov;7(4):479–81

Formate concentrations in a case of methanol ingestion. Shahangian S, et al. **Clin Chem** 1984 Aug;30(8):1413–4

Normal electroretinogram and no toxicity signs after chronic and acute administration of the alcohol dehydrogenase inhibitor 4-methylpyrazole to the cynomolgus monkey (Macaca fascicularis)—a possible new treatment of methanol poisoning. Blomstrand R, et al. **Drug Alcohol Depend** 1984 Jan;13(1):9–20

Parkinsonian syndrome after methanol intoxication. Ley CO, et al. **Eur Neurol** 1983;22(6):405–9

Methanol intoxication in a dog. Hurd-Kuenzi LA. **J Am Vet Med Assoc** 1983 Oct 15;183(8):882–3

Recovery after potentially lethal amount of methanol [letter] Saus J, et al. **Lancet** 1984 Jan 21;1(8369):158

Recovery after potentially lethal amount of anti-freeze [letter] Vites NP, et al. **Lancet** 1984 Mar 10;1(8376):562

Chronic methanol poisoning with the clinical and pathologic-anatomical features of multiple sclerosis. Henzi H. **Med Hypotheses** 1984 Jan;13(1):63–75

A case of poisoning by a mixture of methanol and ethylene glycol. Arai H, et al. **Tohoku J Exp Med** 1983 Dec; 141(4):473–80

[Contribution to the problem of acute methanol poisoning] Neoral L, et al. **Cesk Patol** 1983 Aug;19(3):33–44 (Eng. Abstr.) **(Cze)**

[Significant but transient visual recovery after methanol poisoning] Rossazza C, et al. **Bull Soc Ophtalmol Fr** 1983 Apr;83(4):545–8 (Eng. Abstr.) **(Fre)**

[Effect of ethanol on methanol intoxication. II. Effect of ethanol on blood formic acid in rabbit administered with methanol] Kuo TL. **Nippon Hoigaku Zasshi** 1983 Jun; 37(3):209–16 **(Jpn)**

[Acute poisoning with tetrahydrofurfuryl alcohol combined with methanol] Murashov BF, et al. **Voen Med Zh** 1983 Oct;(10):32–4 **(Rus)**

[Poisoning by methanol] Pérez Quintero A, et al. **Med Clin (Barc)** 1983 Oct 15;81(11):488–91 (45 ref.) **(Spa)**

[Fatal methanol poisoning—a warning against non-specific alcohol tests] Salum I, et al. **Lakartidningen** 1984 Aug 8; 81(32–33):2820 **(Swe)**

TOXICITY

Investigation and control of occupational hazards associated with the use of spirit duplicators. Frederick LJ, et al. **Am Ind Hyg Assoc J** 1984 Jan;45(1):51–5

Methanol toxicity in the monkey: effects of nitrous oxide and methionine. Eells JT, et al. **J Pharmacol Exp Ther** 1983 Nov;227(2):349–53

Acute exposure to methyl or ethyl alcohol alters auditory function in the rat. Wecker JR, et al. **Toxicol Appl Pharmacol** 1984 Jun 30;74(2):258–66

A comparison of the cellular toxicity of exhausts from cars driven on present and future fuels. Bernson V. **Toxicol Lett** 1983 Oct-Nov;19(1–2):119–26

Biochemical and cytological studies of rat lung after inhalation of methanol vapour. White LR, et al. **Toxicol Lett** 1983 Jun;17(1–2):1–5

ALCOHOL OXIDOREDUCTASES

Enzymatic measurement of ethanol or NAD in acid extracts of biological samples. Cornell NW, et al. **Anal Biochem** 1983 Jul 15;132(2):418–23

Determination of intracellular choline levels by an enzymatic assay. Hise MK, et al. **Anal Biochem** 1983 Nov;135(1):78–82

High-performance liquid affinity chromatography on silica-bound alcohol dehydrogenase. Nilsson K, et al. **Anal Biochem** 1983 Oct 1;134(1):60–72

Secondary-structure prediction from the sequence of Drosophila melanogaster (fruitfly) alcohol dehydrogenase. Thatcher DR, et al. **Biochem J** 1980 Jun 1;187(3):884–6

Extensive variations and basic features in the alcohol dehydrogenase-sorbitol dehydrogenase family. Jörnvall H, et al. **Eur J Biochem** 1984 Apr 2;140(1):17–23

Luminescence studies on the conformational behavior of horse-liver alcohol dehydrogenase. Vekshin NL. **Eur J Biochem** 1984 Aug 15;143(1):69–72

Extended superfamily of short alcohol-polyol-sugar dehydrogenases: structural similarities between glucose and ribitol dehydrogenases. Jörnvall H, et al. **FEBS Lett** 1984 Jan 9;165(2):190–6

ANALYSIS

Rat liver alcohol dehydrogenase. II. Quantitative enzyme-linked immunoadsorbent assay. Lad PJ, et al. **Anal Biochem** 1983 Sep;133(2):362–72

On the occurrence of enoate reductase and 2-oxo-carboxylate reductase in clostridia and some observations on the amino acid fermentation by Peptostreptococcus anaerobius. Giesel H, et al. **Arch Microbiol** 1983 Aug;135(1):51–7

Raman spectroscopy of liver alcohol dehydrogenase. Yue KT, et al. **Biochem Biophys Res Commun** 1984 Jul 18; 122(1):225–9

Immunological identification of soluble carbonyl reductase with testosterone 17 beta-dehydrogenase (NADP+) in guinea pig liver and kidney. Sawada H, et al. **Biochim Biophys Acta** 1984 Jun 29;799(3):322–5

LD-6 isoenzyme and lactate-independent dehydrogenase differ [letter] Ketchum CH, et al. **Clin Chem** 1984 Jul; 30(7):1269–71

Electrophoretic analyses of alcohol dehydrogenase, aldehyde dehydrogenase, aldehyde reductase, aldehyde oxidase and xanthine oxidase from horse tissues. Seeley TL, et al. **Comp Biochem Physiol [B]** 1984;78(1):131–9

Immunohistochemical localization of alcohol dehydrogenase in the human gastrointestinal tract. Pestalozzi DM, et al. **Gastroenterology** 1983 Nov;85(5):1011–6

Localization of the major dehydrogenases in two methylotrophs by radiochemical labeling. Kasprzak AA, et al. **J Bacteriol** 1983 Oct;156(1):348–53

Rat hepatic microsomal acetoacetyl-CoA reductase. A beta-ketoacyl-CoA reductase distinct from the long chain beta-ketoacyl-CoA reductase component of the microsomal fatty acid chain elongation system. Prasad MR, et al. **J Biol Chem** 1984 Jun 25;259(12):7460–7

The absence of quinoprotein alcohol dehydrogenase in Acinetobacter calcoaceticus. Beardmore-Gray M, et al. **J Gen Microbiol** 1983 Oct;129 (Pt 10):2979–83

[Comparative histochemical studies of ADH determination in human and animal tissues] Krämer M, et al. **Beitr Gerichtl Med** 1983;41:203–9 (Eng. Abstr.) **(Ger)**

ANTAGONISTS & INHIBITORS

New inhibitors of alcohol dehydrogenase: studies in vivo and in vitro in the rat. Delmas C, et al. **Alcoholism (NY)** 1983 Summer;7(3):264–70

Cardiovascular effects of acetaldehyde accumulation after ethanol ingestion: their modification by beta-adrenergic blockade and alcohol dehydrogenase inhibition. Kupari M, et al. **Alcoholism (NY)** 1983 Summer;7(3):282–8

The inhibition of alcohol dehydrogenase in vitro and in isolated hepatocytes by 4-substituted pyrazoles. Cornell NW, et al. **Arch Biochem Biophys** 1983 Nov;227(1):81–90

Inactivation of yeast fatty acid synthetase by modifying the beta-ketoacyl reductase active lysine residue with pyridoxal 5'-phosphate. Shoukry S, et al. **Arch Biochem Biophys** 1983 Oct 1;226(1):224–30

Inactivation of horse liver alcohol dehydrogenase by modification of cysteine residue 174 with 3-bromopropionic acid. Chadha VK, et al. **Biochemistry** 1984 Jan 17;23(2):216–21

Properties of horse liver alcohol dehydrogenase modified by the affinity label 3-chloroacetylpyridine-adenine dinucleotide. Foucaud B, et al. **Biochim Biophys Acta** 1983 Nov 14;748(3):362–6

Normal electroretinogram and no toxicity signs after chronic and acute administration of the alcohol dehydrogenase inhibitor 4-methylpyrazole to the cynomolgus monkey (Macaca fascicularis)—a possible new treatment of methanol poisoning. Blomstrand R, et al. **Drug Alcohol Depend** 1984 Jan;13(1):9–20

Inactivation of quinoprotein alcohol dehydrogenases with cyclopropane-derived suicide substrates. . Dijkstra M, et al. **Eur J Biochem** 1984 Apr 16;140(2):369–73

Uric acid substantially enhances the free radical-induced inactivation of alcohol dehydrogenase. Kittridge KJ, et al. **FEBS Lett** 1984 May 7;170(1):162–4

The palmitoleate: a natural selective denaturant of enzymes. Vincenzini MT, et al. **Int J Biochem** 1983;15(10):1283–6

Decreased hepatic 5, 10-methylenetetrahydrofolate reductase activity in mice after chronic phenytoin treatment. Billings RE. **Mol Pharmacol** 1984 May;25(3):459–66

Inhibition of alcohol dehydrogenase by chloral hydrate and trichloroethanol: possible role in the chloral hydrate-ethanol interaction. Sharkawi M, et al. **Toxicol Lett** 1983 Jul;17(3–4):321–8

BIOSYNTHESIS

Characterization of ligand-induced states of maize homoserine dehydrogenase. Krishnaswamy S, et al. **Arch Biochem Biophys** 1983 Nov;227(1):210–24

Extracellular conditions affecting the induction of yeast alcohol dehydrogenase II. Wills C, et al. **Biochim Biophys Acta** 1984 Jul 18;782(3):274–84

Dual control of a common L-1,2-propanediol oxidoreductase by L-fucose and L-rhamnose in Escherichia coli. Chen YM, et al. **J Bacteriol** 1984 Mar;157(3):828–32

Post-transcriptional control of L-1,2-propanediol oxidoreductase in the L-fucose pathway of Escherichia coli K-12. Chen YM, et al. **J Bacteriol** 1984 Jan; 157(1):341–4

BLOOD

Sepiapterin reductase exhibits a NADPH-dependent dicarbonyl reductase activity. Katoh S, et al. **Biochem Biophys Res Commun** 1984 Feb 14;118(3):859–66

Evidence that 'lactate dehydrogenase isoenzyme 6' is in fact alcohol dehydrogenase [letter] Kato S, et al. **Clin Chem** 1984 Sep;30(9):1585–6

Blood alcohol analysis: a comparison of the gas-chromatographic assay with an enzymatic assay. Taylor GF, et al. **Pathology** 1984 Apr;16(2):157–9

[Alcohol dehydrogenase in the serum: an attempt at finding biochemical factors which predispose to alcoholism] Kovář J, et al. **Cas Lek Cesk** 1983 Nov 25;122(47):1461–5 (Eng. Abstr.) **(Cze)**

[ADH detection in human blood cells] Krämer M, et al. **Beitr Gerichtl Med** 1984;42:237–40 (Eng. Abstr.) **(Ger)**

DEFICIENCY

Betaine in the treatment of homocystinuria due to 5,10-methylenetetrahydrofolate reductase deficiency. Wendel U, et al. **Eur J Pediatr** 1984 Jun;142(2):147–50

Normal testicular structure and reproductive function in deermice lacking retinol and alcohol dehydrogenase activity. Leo MA, et al. **J Clin Invest** 1984 Feb;73(2):593–6

Follow-up in a child with 5,10-methylenetetrahydrofolate reductase deficiency [letter] Harpey JP, et al. **J Pediatr** 1983 Dec;103(6):1007

Alcohol dehydrogenase (ADH) independent ethanol metabolism in deermice lacking ADH. Shigeta Y, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:195–9

[Malignant phenylketonuria caused by biopterin synthetase deficiency. Study of neuromediator catabolites in the cerebrospinal fluid during treatment] Malpuech G, et al. **Arch Fr Pediatr** 1984 Jan;41(1):5–8 (Eng. Abstr.) **(Fre)**

DIAGNOSTIC USE

Enzyme electrode and thermistor probes for determination of alcohols with alcohol oxidase. Guilkbault GG, et al. **Anal Chem** 1983 Aug;55(9):1582–5

GENETICS

Aldehyde oxidase and alcohol dehydrogenase genetics in the mouse. New alleles for the Aox-2 and Adh-3 loci. Mather PB, et al. **Anim Blood Groups Biochem Genet** 1983; 14(4):279–86

Biochemical characterization of the products of the Adh loci of Drosophila mojavensis. Batterham P, et al. **Biochem Genet** 1983 Oct;21(9–10):871–83

Human liver alcohol dehydrogenase: ADH Indianapolis results from genetic polymorphism at the ADH2 gene locus. Bosron WF, et al. **Biochem Genet** 1983 Aug; 21(7–8):735–44

Variation in the biochemical properties of the Drosophila alcohol dehydrogenase allozymes. Chambers GK, et al. **Biochem Genet** 1984 Feb;22(1–2):153–68

Three alcohol dehydrogenase genes in wild and cultivated barley: characterization of the products of variant alleles. Hanson AD, et al. **Biochem Genet** 1984 Jun;22(5–6):495–515

Genetic control of shikimate dehydrogenase in hexaploid wheat. Neuman PR, et al. **Biochem Genet** 1983 Oct; 21(9–10):963–8

Alcohol dehydrogenase thermostability variants in Drosophila melanogaster: comparison of activity ratios and enzyme levels. Sampsell B, et al. **Biochem Genet** 1983 Dec; 21(11–12):1071–88

Genetics of octanol and alpha-glycerophosphate dehydrogenases in the mosquito Aedes (Finlaya) togoi. Tadano T. **Biochem Genet** 1983 Dec;21(11–12):1167–74

Alcohol dehydrogenase isozymes in the clawed frog, Xenopus laevis. Wesolowski MH, et al. **Biochem Genet** 1983 Oct;21(9–10):1003–17

Polymorphism of human liver alcohol dehydrogenase: identification of ADH2 2-1 and ADH2 2-2 phenotypes in the Japanese by isoelectric focusing. Yin SJ, et al. **Biochem Genet** 1984 Feb;22(1–2):169–80

The complete amino acid sequence of three alcohol dehydrogenase alleloenzymes (AdhN-11, AdhS and AdhUF) from the fruitfly Drosophila melanogaster. Thatcher DR. **Biochem J** 1980 Jun 1;187(3):875–83

Cloning of beta-isopropylmalate dehydrogenase gene from Bacillus coagulans in Escherichia coli and purification and properties of the enzyme. Sekiguchi T, et al. **Biochim Biophys Acta** 1984 Aug 14;788(3):267–73

The messenger RNA for alcohol dehydrogenase in Drosophila melanogaster differs in its 5' end in different developmental stages. Benyajati C, et al. **Cell** 1983 May; 33(1):125–33

The use of promoter fusions in Drosophila genetics: isolation of mutations affecting the heat shock response. Bonner JJ, et al. **Cell** 1984 Jul;37(3):979–91

Correlation of exons with structural domains in alcohol dehydrogenase. Brändén CI, et al. **EMBO J** 1984 Jun; 3(6):1307–10

Aberrant splicing of Drosophila alcohol dehydrogenase transcripts in Saccharomyces cerevisiae. Watts F, et al. **EMBO J** 1983;2(11):2085–91

Atypical human liver alcohol dehydrogenase: the beta 2-Bern subunit has an amino acid exchange that is identical to the one in the beta 2-Oriental chain. Bühler R, et al. **FEBS Lett** 1984 Aug 6;173(2):360–6

Genetic control of Adh expression in Drosophila melanogaster. Maroni G, et al. **Genetics** 1983 Dec; 105(4):921–33

Enzyme variation, metabolic flux and fitness: alcohol dehydrogenase in Drosophila melanogaster. Middleton RJ, et al. **Genetics** 1983 Nov;105(3):633–50

Spontaneous mutations modifying the activity of alcohol dehydrogenase (ADH) in Drosophila melanogaster. Mukai T, et al. **Genetics** 1984 Jan;106(1):73–84

Restriction endonuclease map variation and gene activity in the Adh region in a population of Drosophila melanogaster. Birley AJ. **Heredity (Edinburgh)** 1984 Feb;52 (Pt 1):103–12

Regulatory gene evolution: adaptive differences in expression of alcohol dehydrogenase in Drosophila melanogaster and Drosophila simulans. Dickinson WJ, et al. **Heredity (Edinburgh)** 1984 Apr;52 (Pt 2):215–25

Genetics, biochemistry, and developmental regulation of alcohol dehydrogenase in peromyscus and laboratory mice.

Felder MR, et al. **Isozymes Curr Top Biol Med Res** 1983; 9:143–61

The role of alcohol dehydrogenase and aldehyde dehydrogenase isozymes in alcohol metabolism, alcohol sensitivity, and alcoholism. Goedde HW, et al. **Isozymes Curr Top Biol Med Res** 1983;8:175–93

The alcohol dehydrogenase gene complex on chromosome 3 of the mouse. Holmes RS, et al. **Isozymes Curr Top Biol Med Res** 1983;8:155–74

Molecular varieties of isozymes and their role in studies of gene regulation and expression during eukaryote development. Scandalios JG. **Isozymes Curr Top Biol Med Res** 1983;9:1–31 (49 ref.)

Differences in the isozymes involved in alcohol metabolism between caucasians and orientals. Yoshida A. **Isozymes Curr Top Biol Med Res** 1983;8:245–61

Yeast LEU2. Repression of mRNA levels by leucine and primary structure of the gene product. Andreadis A, et al. **J Biol Chem** 1984 Jul 10;259(13):8059–62

Alcohol oxidase assembles post-translationally into the peroxisome of Candida boidinii. Goodman JM, et al. **J Biol Chem** 1984 Jul 10;259(13):8485–93

High guanine plus cytosine content in the third letter of codons of an extreme thermophile. DNA sequence of the isopropylmalate dehydrogenase of Thermus thermophilus. Kagawa Y, et al. **J Biol Chem** 1984 Mar 10;259(5):2956–60

Use of operon fusions to examine the regulation of the L-1,2-propanediol oxidoreductase gene of the fucose system in Escherichia coli K12. Chen YM, et al. **J Gen Microbiol** 1983 Nov;129 (Pt 11):3355–62

Genetic and structural evidence for the presence of propanediol oxidoreductase isoenzymes in Escherichia coli. Ros J, et al. **J Gen Microbiol** 1984 Mar;130 (Pt 3):687–92

Nucleotide sequence comparison of the Adh gene in three drosophilids. Cohn VH, et al. **J Mol Evol** 1984;20(1):31–7

Biosynthesis and regulation of the peroxisomal methanol oxidase from the methylotrophic yeast Hansenula polymorpha. Roggenkamp R, et al. **MGG** 1984; 194(3):489–93

Formaldehyde mutagenesis in Drosophila. Molecular analysis of ADH-negative mutants. Benyajati C, et al. **Mutat Res** 1983 Sep;111(1):1–7

Conservation and change in the DNA sequences coding for alcohol dehydrogenase in sibling species of Drosophila. Bodmer M, et al. **Nature** 1984 May 31–Jun 6; 309(5967):425–30

Role of an upstream regulatory element in leucine repression of the Saccharomyces cerevisiae leu2 gene. Martinez-Arias A, et al. **Nature** 1984 Feb 23–29;307(5953):740–2

In vitro generation of specific deletions in DNA cloned in M13 vectors using synthetic oligodeoxyribonucleotides: mutants in the 5'-flanking region of the yeast alcohol dehydrogenase II gene. Chan VL, et al. **Nucleic Acids Res** 1984 Mar 12;12(5):2407–19

Molecular analysis of the alcohol dehydrogenase (Adh1) gene of maize. Dennis ES, et al. **Nucleic Acids Res** 1984 May 11;12(9):3983–4000

Nucleotide sequence of metF, the E. coli structural gene for 5-10 methylene tetrahydrofolate reductase and of its control region. Saint-Girons I, et al. **Nucleic Acids Res** 1983 Oct 11;11(19):6723–32

Pharmacogenetics of alcohol sensitivity. Goedde HW, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:161–6

Alcohol sensitivity related to polymorphism of alcohol-metabolizing enzymes in Japanese. Mizoi Y, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:127–33

The polymorphisms of alcohol and aldehyde dehydrogenase and their significance for acetaldehyde toxicity. Von Wartburg JP, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:123–5

DNA insertion in the first intron of maize Adh1 affects message levels: cloning of progenitor and mutant Adh1 alleles. Bennetzen JL, et al. **Proc Natl Acad Sci USA** 1984 Jul;81(13):4125–8

Cloned Drosophila alcohol dehydrogenase genes are correctly expressed after transfection into Drosophila cells in culture. Benyajati C, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(6):1701–5

Molecular cloning and characterization of a cDNA for the beta subunit of human alcohol dehydrogenase. Duester G, et al. **Proc Natl Acad Sci USA** 1984 Jul;81(13):4055–9

Human liver alcohol dehydrogenase: amino acid substitution in the beta 2 beta 2 Oriental isozyme explains functional properties, establishes an active site structure, and parallels mutational exchanges in the yeast enzyme. Jörnvall H, et al. **Proc Natl Acad Sci USA** 1984 May;81(10):3024–8

[Alcohol dehydrogenase polymorphism in the Warsaw population] Kwast M. **Pol Tyg Lek** 1983 Dec 12; 38(50):1561–4 (Eng. Abstr.) **(Pol)**

IMMUNOLOGY

Immunological and biochemical characterization of the human alcohol dehydrogenase chi-ADH isozyme. Adinolfi A, et al. **Ann Hum Genet** 1984 Jan;48 (Pt 1):1–10

ISOLATION & PURIFICATION

Rat liver alcohol dehydrogenase. I. Purification and characterization. Lad PJ, et al. **Anal Biochem** 1983 Sep; 133(2):350–61

Optical and electron paramagnetic resonance spectroscopic studies on purine hydroxylase II from Aspergillus nidulans. Coughlan MP, et al. **Arch Biochem Biophys** 1984 Mar; 229(2):596–603

Purification and properties of purine hydroxylase II from Aspergillus nidulans. Mehra RK, et al. **Arch Biochem Biophys** 1984 Mar;229(2):585–95

Separation and partial characterization of multiple forms of rat liver alcohol dehydrogenase. Mezey E, et al. **Arch Biochem Biophys** 1983 Sep;225(2):787–94

2-Methylacetoacetyl-coenzyme A reductase from Ascaris muscle: purification and properties. Suarez de Mata Z, et al. **Arch Biochem Biophys** 1983 Oct 1;226(1):84–93

The purification and biochemical properties of alcohol dehydrogenase—'fast (Chateau Douglas)' from Drosophila melanogaster. Chambers GK. **Biochem Genet** 1984 Jun; 22(5-6):529–49

Purification and characterization of mouse alcohol dehydrogenase from two inbred strains that differ in total liver enzyme activity. Rex DK, et al. **Biochem Genet** 1984 Feb;22(1-2):115–24

Purification of rat liver enzymes involved in the oxidation of glyoxylate. Asker H, et al. **Biochim Biophys Acta** 1983 Nov 22;761(1):103–8

Purification and properties of an NADPH-linked aldehyde reductase from rat kidney. Takahashi N, et al. **Biochim Biophys Acta** 1983 Nov 14;748(3):444–52

Multimeric forms of rat liver glyoxalase II. Hsu YR, et al. **Enzyme** 1983;30(4):259–64

Purification and molecular properties of mouse alcohol dehydrogenase isozymes. Algar EM, et al. **Eur J Biochem** 1983 Dec 1;137(1-2):139–47

Purification and properties of cinnamoyl-CoA reductase and cinnamyl alcohol dehydrogenase from poplar stems (Populus X euramericana). Sarni F, et al. **Eur J Biochem** 1984 Mar 1;139(2):259–65

A multifunctional fermentative alcohol dehydrogenase from the strict aerobe Alcaligenes eutrophus: purification and properties. Steinbüchel A, et al. **Eur J Biochem** 1984 Jun 15;141(3):555–64

Further purification and characterization of diacetyl reducing enzymes from beef liver. Provecho F, et al. **Int J Biochem** 1984;16(4):423–7

Purification and properties of 5,10-methylenetetrahydrofolate reductase, an iron-sulfur flavoprotein from Clostridium formicoaceticum. Clark JE, et al. **J Biol Chem** 1984 Sep 10;259(17):10845–9

D-1-amino-2-propanol:NAD+ oxidoreductase. Purification and general properties of the large molecular form of the enzyme from Escherichia coli K12. Kelley JJ, et al. **J Biol Chem** 1984 Feb 25;259(4):2124–9

The architecture of the animal fatty acid synthetase. III. Isolation and characterization of beta-ketoacyl reductase. Wong H, et al. **J Biol Chem** 1983 Dec 25;258(24):15305–11

[Purification and characterization of liver carbonyl reductase in the Japanese monkey] Sawada H, et al. **Yakugaku Zasshi** 1984 Jan;104(1):74–82 (Eng. Abstr.) **(Jpn)**

METABOLISM

Effect of fasting on the activity and turnover of rat liver alcohol dehydrogenase. Bosron WF, et al. **Alcoholism (NY)** 1984 Mar-Apr;8(2):196–200

Kinetics of inhibition of ethanol metabolism in rats and the rate-limiting role of alcohol dehydrogenase. Plapp BV, et al. **Arch Biochem Biophys** 1984 Apr;230(1):30–8

Binding of ligands to the catalytic zinc ion in horse liver alcohol dehydrogenase. Syvertsen C, et al. **Arch Biochem Biophys** 1984 Jan;228(1):159–69

Organ specific alcohol metabolism: placental chi-ADH. Paés X, et al. **Biochem Biophys Res Commun** 1984 Mar 30; 119(3):1047–55

Preliminary observations on alcohol dehydrogenases in Comamonas terrigena that exhibit stereospecificity towards secondary alcohols. Barrett CH, et al. **Biochem J** 1980 Jun 1;187(3):703–9

Metabolic homoeostasis of L-threonine in the normally-fed rat. Importance of liver threonine dehydrogenase activity. Bird MI, et al. **Biochem J** 1983 Sep 15;214(3):687–94

Alcohol dehydrogenase activity in the human tissues. Saleem MM, et al. **Biochem Med** 1984 Feb;31(1):1–9

Ethanol metabolism in vivo by the microsomal ethanol-oxidizing system in deermice lacking alcohol dehydrogenase (ADH). Shigeta Y, et al. **Biochem Pharmacol** 1984 Mar 1;33(5):807–14

The binding of sulfonamides to horse liver alcohol dehydrogenase. Western A, et al. **Biochem Pharmacol** 1984 Mar 1;33(5):731–8

Reaction of the Z isomer of 4-trans-(N,N-dimethylamino)cinnamaldoxime with the liver alcohol dehydrogenase-oxidized nicotinamide adenine dinucleotide complex. Abdallah MA, et al. **Biochemistry** 1984 Feb 28;23(5):1003–15

Structure of the liver alcohol dehydrogenase-NAD+-pyrazole complex as determined by 15N NMR spectroscopy. Becker NN, et al. **Biochemistry** 1984 Jul 3;23(14):3336–40

Crystal-structure determination of reduced nicotinamide adenine dinucleotide complex with horse liver alcohol dehydrogenase maintained in its apo conformation by zinc-bound imidazole. Cedergren-Zeppezauer E. **Biochemistry** 1983 Dec 6;22(25):5761–72

Investigation of the pH dependencies of coenzyme binding to liver alcohol dehydrogenase lacking zinc ion at the active sites. Dietrich H, et al. **Biochemistry** 1983 Jul 5; 22(14):3432–8

Involvement of histidine residues in the activity of horse liver alcohol dehydrogenase. Hennecke M, et al. **Biochemistry** 1983 Aug 2;22(16):3721–8

Active site cobalt(II)-substituted liver alcohol dehydrogenase: characterization of intermediates in the reduction of p-nitrobenzaldehyde by rapid-scanning ultraviolet-visible spectroscopy. Koerber SC, et al. **Biochemistry** 1983 Jul 5;22(14):3424–31

Physical and enzymatic properties of a class III isozyme of human liver alcohol dehydrogenase: chi-ADH. Wagner FW, et al. **Biochemistry** 1984 May 8;23(10):2193–9

The presence of essential arginine residues at the NADPH-binding sites of beta-ketoacyl reductase and enoyl reductase domains of the multifunctional fatty acid synthetase of chicken liver. Vernon CM, et al. **Biochim Biophys Acta** 1984 Jul 17;788(1):124–31

Chlorpromazine and lithium interaction: a biochemical and histological study. Messiha FS, et al. **Brain Res Bull** 1983 Aug;11(2):249–53

Extrapyramidal disorders: a possible underlying mechanism. Messiha FS. **Brain Res Bull** 1983 Aug;11(2):233–41

Thermodynamic profiles for alcohol dehydrogenase action in free solution. Laidler KJ, et al. **Can J Biochem Cell Biol** 1983 Nov;61(11):1201–7

Activities of NAD+-dependent aldehyde dehydrogenase and alcohol dehydrogenase in the liver of spontaneously hypertensive rats in the process of development. Shiohara E, et al. **Clin Exp Pharmacol Physiol** 1984 Mar-Apr; 11(2):199–207

Alcohol dehydrogenase activity and isoenzyme distribution in the organs of cow, pig and sheep. Kovář J, et al. **Comp Biochem Physiol [B]** 1983;76(1):161–5

Alcohol dehydrogenase activity in the developing chick embryo. Wilson RW, et al. **Comp Biochem Physiol [B]** 1984; 77(1):191–6

Modification of mouse liver alcohol and aldehyde-dehydrogenase by chlorpromazine. Messiha FS, et al. **Drug Chem Toxicol** 1983;6(5):409–19

Structure of the complex of active site metal-depleted horse liver alcohol dehydrogenase and NADH. Schneider G, et al. **EMBO J** 1983;2(5):685–9

Electrostatic field effects of coenzymes on ligand binding to catalytic zinc in liver alcohol dehydrogenase. Andersson P, et al. **Eur J Biochem** 1984 Feb 1;138(3):603–9

Catalytic significance of binary enzyme-aldehyde complexes in the liver alcohol dehydrogenase reaction. Andersson P, et al. **Eur J Biochem** 1984 Mar 15;139(3):519–27

Steady-state kinetics of horse-liver alcohol dehydrogenase with a covalently bound coenzyme analogue. Kovář J, et al. **Eur J Biochem** 1984 Mar 15;139(3):585–91

Synthesis and properties of (4-13C)NAD+. Observation of its binding to yeast alcohol dehydrogenase by 13C-NMR spectroscopy. Oberfrank M, et al. **Eur J Biochem** 1984 Apr 2;140(1):157–61

NAD-dependent, PQQ-containing methanol dehydrogenase: a bacterial dehydrogenase in a multienzyme complex. Duine JA, et al. **FEBS Lett** 1984 Mar 26;168(2):217–21

Identity of dihydrodiol dehydrogenase and 3 alpha-hydroxysteroid dehydrogenase in rat but not in rabbit liver cytosol. Wörner W, et al. **FEBS Lett** 1984 May 21;170(2):263–7

Age-related changes in aldehyde reductase activity of rat brain, liver and heart. Cao Danh H, et al. **Gerontology** 1984; 30(3):159–66

Isozymes of human liver alcohol dehydrogenase. Vallee BL, et al. **Isozymes Curr Top Biol Med Res** 1983;8:219–44

Spectroscopic studies on the photoreaction of choline oxidase, a flavoprotein, with covalently bound flavin. Ohta M, et al. **J Biochem (Tokyo)** 1983 Sep;94(3):879–92

A kinetic study on the binding of monomeric and polymeric derivatives of NAD+ to yeast alcohol dehydrogenase. Yamazaki Y, et al. **J Biochem (Tokyo)** 1984 Jan;95(1):109–15

A hybrid proteolytic fragment of Escherichia coli aspartokinase I-homoserine dehydrogenase I. Structure, inhibition pattern, dissociation properties, and generation of two homodimers. Fazel A, et al. **J Biol Chem** 1983 Nov 25;258(22):13570–4

The effect of cryosolvents on the spectral and catalytic properties of liver alcohol dehydrogenase. Geeves MA, et al. **J Biol Chem** 1983 Oct 25;258(20):12184–9

Methylenetetrahydrofolate reductase. Steady state and rapid reaction studies on the NADPH-methylenetetrahydrofolate, NADPH-menadione, and methyltetrahydrofolate-menadione oxidoreductase activities of the enzyme. Vanoni MA, et al. **J Biol Chem** 1983 Oct 10;258(19):11510–4

Elementary steps in the reaction mechanism of chicken liver fatty acid synthase. pH dependence of NADPH binding and isotope rate effect for beta-ketoacyl reductase. Yuan Z, et al. **J Biol Chem** 1984 Jun 10;259(11):6748–51

Regulation of expression of novel mandelate dehydrogenases in mutants of Acinetobacter calcoaceticus. Hills CA, et al. **J Gen Microbiol** 1983 Jul;129 (Pt 7):2009–15

A defective enzyme in hyperphenylalaninaemia due to biopterin deficiency. Yoshioka S, et al. **J Inherited Metab Dis** 1983;6(3):127–8

Farnesol and farnesal dehydrogenase(s) in corpora allata of the tobacco hornworm moth, Manduca sexta. Baker FC, et al. **J Lipid Res** 1983 Dec;24(12):1586–94

The effect of chronic phenytoin treatment on tissue folate concentrations and on the activities of the methyl synthetic enzymes in the rat. Carl GF, et al. **J Nutr** 1983 Nov; 113(11):2368–74

Excretion of 5 beta-cholestane-3 alpha, 7 alpha, 12 alpha, 26-tetrol and corticosterone metabolites in rat bile. Studies on the role of alcohol dehydrogenase in steroid metabolism. Cronholm T. **J Steroid Biochem** 1984 Jun;20(6A):1321–5

Metabolism and metabolic effects of alcohol. Lieber CS. **Med Clin North Am** 1984 Jan;68(1):3–31 (227 ref.)

Immobilization of ligands with organic sulfonyl chlorides. Nilsson K, et al. **Methods Enzymol** 1984;104:56–69

Effect of temperature upon catalytic properties of alpha-hydroxyacid dehydrogenase from Trypanosoma cruzi. Coronel CE, et al. **Mol Biochem Parasitol** 1984 Feb; 10(2):185–93

Relationship between kinetics of liver alcohol dehydrogenase and alcohol metabolism. Bosron WF, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:223–7

Immunohistochemical localization of alcohol dehydrogenase in human kidney, endocrine organs and brain. Bühler R, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:55–9

Properties of alcohol dehydrogenase and ethanol oxidation in vivo and in hepatocytes. Cornell NW. **Pharmacol Biochem Behav** 1983;18 Suppl 1:215–21

Structural studies of horse liver alcohol dehydrogenase: coenzyme, substrate and inhibitor binding. Eklund H. **Pharmacol Biochem Behav** 1983;18 Suppl 1:73–81

Interrelationships of alcohol consumption, actions of alcohol, and biochemical traits. Erwin VG, et al. **Pharmacol Biochem Behav** 1980;13 Suppl 1:297–302

Alcohol and polyol dehydrogenases. Jörnvall H, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:67–71

Hepatic ADH and ALDH isoenzymes in different racial groups and in chronic alcoholism. Ricciardi BR, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:61–5

Interaction of cytoplasmic dehydrogenases: quantitation of pathways of ethanol metabolism. Vind C, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:209–13

Circadian rhythms of alcohol dehydrogenase and MEOS in the rat. Sturtevant RP, et al. **Proc Soc Exp Biol Med** 1984 Mar;175(3):299–303

Formation and isolation of delta 5-3-ketosteroids using a purified rat liver alcohol dehydrogenase. Knutson VP, et al. **Steroids** 1982 Nov;40(5):591–601

[Toxic role of an endogenous substance: 1,4-butanediol] Poldrugo F. **Minerva Psichiatr** 1984 Jan–Mar;25(1):55–60 (Eng. Abstr.) **(Ita)**

[Activities of folate-derivative converting enzymes in the brain of patients with amyotrophic lateral sclerosis] Yoshino Y, et al. **Rinsho Shinkeigaku** 1983 Jul;23(7):563–9 (Eng. Abstr.) **(Jpn)**

[Kinetic and allosteric properties of highly-purified, biosynthetic L-threonine dehydrogenase from brewer's yeast Saccharomyces carlsbergensis] Kovaleva SV, et al. **Biokhimiia** 1984 Apr;49(4):540–6 **(Rus)**

[Biochemical disturbances in the chronic use of alcohol and ways to correct them] Maksimovich IaB, et al. **Ukr Biokhim Zh** 1983 Nov–Dec;55(6):643–6 (Eng. Abstr.) **(Rus)**

[Effect of alcohol intoxication on activity of enzymes in ethanol oxidation and on arginase activity in rat liver] Gurtovenko VM, et al. **Vopr Med Khim** 1983 Jul–Aug; 29(4):51–4 (Eng. Abstr.) **(Rus)**

[Arginase activity in various tissues of rats in alcohol intoxication] Trapeznikova SS, et al. **Vopr Med Khim** 1983 Jul–Aug;29(4):95–8 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Alcoholdehydrogenase as an activating enzyme for N-nitrosodiethanolamine (NDELA): in vitro activation of NDELA to a potent mutagen in Salmonella typhimurium. Eisenbrand G, et al. **J Cancer Res Clin Oncol** 1984; 108(1):76–80

The effect of alcohol oxidase on the ascorbic acid-erythrocyte interaction: ESR investigations. Lohmann W, et al. **Z Naturforsch [C]** 1983 Sep–Oct;38(9–10):864–5

ALCOHOL, PROPYL

Isopropanol precipitation method for the determination of apolipoprotein B specific activity and plasma concentrations during metabolic studies of very low density lipoprotein and low density lipoprotein apolipoprotein B. Egusa G, et al. **J Lipid Res** 1983 Sep;24(9):1261–7

ANALOGS & DERIVATIVES

Quantitative liver functions after administration of allyl alcohol to rats. Poulsen HE, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Feb;54(2):120–3

Ether derivatives of 3-amino-1,2-propanediols, IV. Syntheses and pharmacological investigations of 1-cycloalkoxy-3-amino-2-propanols and 1-cycloalkoxy-3-guanidino-2-propanols. Chalina E, et al. **Arch Pharm (Weinheim)** 1984 Jan;317(1):63–9

Trypan blue uptake as a new method to investigate hepatotoxicity in periportal and pericentral regions of the liver lobule: studies with allyl alcohol in the perfused liver. Belinsky SA, et al. **J Pharmacol Exp Ther** 1984 Sep; 230(3):755–60

Rates of allyl alcohol metabolism in periportal and pericentral regions of the liver lobule. Belinsky SA, et al. **Mol Pharmacol** 1984 Jan;25(1):158–64

Effects of allyl alcohol and bromobenzene on trimethadione metabolism in the rat. Tanaka E, et al. **Res Commun Chem Pathol Pharmacol** 1984 Jul;45(1):137–51

Toxicity of miserotoxin and its aglycone (3-nitropropanol) to rats. Majak W, et al. **Toxicol Lett** 1983 Oct–Nov; 19(1–2):171–8

Quantitative determination of 3-nitropropionic acid and 3-nitropropanol in plasma by HPLC. Muir AD, et al. **Toxicol Lett** 1984 Feb;20(2):133–6

Conversion of 3-nitropropanol (miserotoxin aglycone) to 3-nitropropionic acid in cattle and sheep. Muir AD, et al. **Toxicol Lett** 1984 Feb;20(2):137–41

[Experimental studies of certain aspects of the hepatotoxicity of allyl alcohol] Atzori L, et al. **Pathologica** 1983 Mar–Apr; 75(1036):169–79 (Eng. Abstr.) **(Ita)**

[Effect of hepatotoxic industrial substances on contact interactions of rat hepatocytes] Ushakov VF, et al. **Gig Tr Prof Zabol** 1984 May;(5):20–2 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

[Study of the protective effects of phenobarbital and aminopyrine in a toxicologic experiment] Gichev IuP, et al. **Gig Tr Prof Zabol** 1983 Sep;(9):55–7 **(Rus)**

BLOOD

Isopropanol ingestion: interpretation of blood concentrations and clinical findings. Kelner M, et al. **J Toxicol Clin Toxicol** 1983 Jul;20(5):497–507

Milk and blood ketone bodies, blood isopropanol and plasma glucose in dairy cows; methodological studies and diurnal variations. Andersson L, et al. **Zentralbl Veterinarmed [A]** 1984 Jun;31(5):340–9

METABOLISM

Metabolism of acetone to isopropyl alcohol in rats and humans. Lewis GD, et al. **J Forensic Sci** 1984 Apr; 29(2):541–9

PHARMACODYNAMICS

Multiple effects of short-chain alcohols on binding to rat heart muscarinic receptors. Waelbroeck M, et al. **Biochem J** 1984 Apr 15;219(2):563–71

Induction of proteolytic activity in serum by treatment with anionic detergents and organic solvents. Berger D, et al. **Experientia** 1983 Oct 15;39(10):1109–11

The sterilizing capacity of propylene oxide and chlorhexidine diacetate solutions upon pre-injection swabs saturated with propan-2-ol. Wright RC. **J Hyg (Lond)** 1983 Oct; 91(2):287–92

Changes in rat liver metallothionein and metallothionein mRNA induced by isopropanol. Swerdel MR, et al. **Proc Soc Exp Biol Med** 1984 Apr;175(4):522–9

Enhanced inhibition of hepatic microsomal calcium pump activity by CCl4 treatment of isopropanol-pretreated rats. Moore L, et al. **Toxicol Appl Pharmacol** 1983 Oct; 71(1):54–8

Isopropanol enhancement of cytochrome P-450-dependent monooxygenase activities and its effects on carbon tetrachloride intoxication. Ueng TH, et al. **Toxicol Appl Pharmacol** 1983 Nov;71(2):204–14

POISONING

Acute isopropyl alcohol intoxication. Diagnosis and management. Lacouture PG, et al. **Am J Med** 1983 Oct; 75(4):680–6

THERAPEUTIC USE

A comparison of triclosan and chlorhexidine preparations with 60 per cent isopropyl alcohol for hygienic hand disinfection. Bartzokas CA, et al. **J Hosp Infect** 1983 Sep; 4(3):245–55

TOXICITY

Induction of megamitochondria in the rat liver by N-propyl alcohol and N-butyl alcohol. Wakabayashi T, et al. **Acta Pathol Jpn** 1984 May;34(3):471–80

n-Propanol induced microcephaly in the neonatal rat. Grant KA, et al. **Neurobehav Toxicol Teratol** 1984 Mar–Apr; 6(2):165–9

Potentiation of the hepatotoxicity of N-nitrosodimethylamine by fasting, diabetes, acetone, and isopropanol. Lorr NA, et al. **Toxicol Appl Pharmacol** 1984 May;73(3):423–31

ALCOHOL WITHDRAWAL DELIRIUM see under **PSYCHOSES, ALCOHOLIC**

ALCOHOLIC BEVERAGES

Racial patterns of alcoholic beverage use. Klatsky AL, et al. **Alcoholism (NY)** 1983 Fall;7(4):372–7

Vitamin supplement to alcoholic beverages [letter] Weller MP. **Br J Psychiatry** 1984 Mar;144:329

Can malt whisky be discriminated from blended whisky? The proof. A modification of Sir Ronald Fisher's hypothetical tea tasting experiment. Chadwick SJ, et al. **Br Med J [Clin Res]** 1983 Dec 24–31;287(6409):1912–5

Alcohol consumption while viewing alcoholic beverage advertising. McCarty D, et al. **Int J Addict** 1983 Oct; 18(7):1011–8

World Health Organization bottles up alcohol study. Selvaggio K. **Int J Health Serv** 1984;14(2):303–8

Content and effects of alcohol advertising: a reply to Strickland. Atkin C, et al. **J Stud Alcohol** 1984 Jan; 45(1):93–100

New evidence on controlling alcohol use through price. Levy D, et al. **J Stud Alcohol** 1983 Nov;44(6):929–37

The demand for distilled spirits: an empirical investigation. McCornac DC, et al. **J Stud Alcohol** 1984 Mar;45(2):176–8

Alcohol and aggression in men: a comparison of brewed and distilled beverages. Pihl RO, et al. **J Stud Alcohol** 1984 May;45(3):278–82

Content and effects of alcohol advertising: comment on NTIS pub. no. PB82-123142. Strickland DE. **J Stud Alcohol** 1984 Jan;45(1):87–93

Changing validity of the cirrhosis mortality—alcoholic beverage sales construct: U.S. trends, 1970–1977. Wilson RA. **J Stud Alcohol** 1984 Jan;45(1):53–8

The transnational tobacco and alcohol conglomerates. A world oligopoly. Clairmonte FF. **NY State J Med** 1983 Dec;83(13):1322–3

[Explicit and general labeling of alcohol content] Chambolle M, et al. **Bull Acad Natl Med (Paris)** 1983 Dec;167(9):987–9 (Eng. Abstr.) **(Fre)**

[Comparative studies on the concentrations of congeners of alcoholic beverages in stomach, blood and urine] Urban R, et al. **Beitr Gerichtl Med** 1983;41:223–7 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Aetiological aspects on primary liver cancer with special regard to alcohol, organic solvents and acute intermittent porphyria—an epidemiological investigation. Hardell L, et al. **Br J Cancer** 1984 Sep;50(3):389–97

ANALYSIS

II.3.e Determination of volatile nitrosamines in beer and other alcoholic beverages using a cellulose extraction cartridge. Fine DH. **IARC Sci Publ** 1983;45:143–8

II.3.f Distillation method for determination of NDMA in beer and ale. Sen NP. **IARC Sci Publ** 1983;45:149–61

Metals in Finnish liqueurs. Harju K, et al. **Z Lebensm Unters Forsch** 1984 May;178(5):393–6

[Normal distribution of congeners in alcoholic beverages] Bonte W, et al. **Beitr Gerichtl Med** 1984;42:387–94 (Eng. Abstr.) **(Ger)**

[Stability of congeners in alcoholic beverages] Bonte W, et al. **Beitr Gerichtl Med** 1984;42:395–401 (Eng. Abstr.) **(Ger)**

ECONOMICS

Justifying alcohol taxes to public officials. Mosher JF, et al. **J Public Health Policy** 1983 Dec;4(4):422–39

HISTORY

Obsessed with moderation: the drink trades and the drink question (1870–1930). Weir RB. **Br J Addict** 1984 Mar; 79(1):93–107

[Changes in the pattern of the consumption of alcoholic beverages in Poland] Bielewicz A. **Psychiatr Pol** 1983 Mar–Apr;17(2):171–8 **(Pol)**

SUPPLY & DISTRIBUTION

A survey of findings on the economic and regulatory determinants of the demand for alcoholic beverages. Ornstein SI. **Subst Alcohol Actions Misuse** 1984;5(1):39–44

[Availability, consumption of alcoholic beverages and alcohol-related mortality in Italy] Modonutti GB, et al. **Minerva Med** 1984 Apr 14;75(16):871–9 (Eng. Abstr.) **(Ita)**

TOXICITY

Induction of sister-chromatid exchanges by alcohol and alcoholic beverages after metabolic activation by rat-liver homogenate. de Raat WK, et al. **Mutat Res** 1983 Oct; 124(1):85–90

SCE-inducing congeners in alcoholic beverages. Hoeft H, et al. **Mutat Res** 1983 Sep;121(3–4):247–51

Modulation of aggressive behavior in fish by alcohol and congeners. Peeke HV, et al. **Pharmacol Biochem Behav** 1981;14 Suppl 1:79–84

ALCOHOLIC CARDIOMYOPATHY see **CARDIOMYOPATHY, ALCOHOLIC**

ALCOHOLIC CIRRHOSIS see **LIVER CIRRHOSIS, ALCOHOLIC**

ALCOHOLIC FATTY LIVER see **FATTY LIVER, ALCOHOLIC**

ALCOHOLIC HEPATITIS see **HEPATITIS, ALCOHOLIC**

ALCOHOLIC INTOXICATION

Using roadblocks to reduce drunk driving: public health or law and order? Christoffel T. **Am J Public Health** 1984

Sep;74(9):1028–30
Fatal traffic accidents—legal assistance in chemical causation [letter] Sturner WQ. **J Forensic Sci** 1983 Oct;28(4):823
Leads from the MMWR. Alcohol and fatal injuries—Fulton County, Georgia, 1982. **JAMA** 1983 Dec 2;250(21):2906–7
'One for the road' can lead to loss of license for Minnesota drivers [news] Gunby P. **JAMA** 1984 Oct 12;252(14):1837
Culpability and accountability of hospitalized injured alcohol–impaired drivers. A prospective study. Maull KI, et al. **JAMA** 1984 Oct 12;252(14):1880–3
Here are provisions of new drunk driving law. **Mich Med** 1983 May;82(24):308
Alcohol and fatal injuries—Fulton County, Georgia, 1982. **MMWR** 1983 Nov 11;32(44):573–6
Alcohol and injury. Thompson CT. **Tex Med** 1983 Oct; 79(10):51–2
[Accidents due to violence in Arhus over a pereiod of a year. III. Violence and alcohol] Møller–Madsen B, et al. **Ugeskr Laeger** 1984 Feb 20;146(8):608–12 (Eng. Abstr.) **(Dan)**

BLOOD

Acute effects of alcohol on female sex hormones. Välimäki M, et al. **Alcoholism (NY)** 1983 Summer;7(3):289–93
Effects of ethanol: I. Acute metabolic tolerance and ethnic differences. Wilson JR, et al. **Alcoholism (NY)** 1984 Mar–Apr;8(2):226–32
Acute alcohol intoxication: significance of the amylase level. Bloch RS, et al. **Ann Emerg Med** 1983 May;12(5):294–6
Platelet uptake of serotonin in ethanol intoxication: a preliminary study. Kent TA, et al. **Biol Psychiatry** 1983 Aug;18(8):929–33
Renin–aldosterone axis in ethanol intoxication: effect of an ADH analogue (desaminocys1–D–arg8–vasopressin, DDAVP). Nieminen MM, et al. **Int J Clin Pharmacol Ther Toxicol** 1983 Nov;21(11):558–62
Renin–aldosterone axis in ethanol intoxication during sodium and fluid repletion versus depletion. Nieminen MM. **Int J Clin Pharmacol Ther Toxicol** 1983 Nov;21(11):552–7
Drunk driving: physicians can and must make the difference. Du Bois MB. **J Indiana State Med Assoc** 1983 Sep; 76(9):604–5
Plasma calcium and phosphate during alcohol intoxication. Alcoholics versus nonalcoholics. Avery DH, et al. **J Stud Alcohol** 1983 Mar;44(2):205–14
Decrease in plasma amino acids in man after an acute dose of ethanol. Eriksson T, et al. **J Stud Alcohol** 1983 Mar; 44(2):215–21
Endocrine effects of ethanol infusion in normal subjects: modification by naloxone. Jeffcoate WJ, et al. **Pharmacol Biochem Behav** 1980;13 Suppl 1:145–8
Alcohol exposure pattern and physical dependence. Le Bourhis B, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:511–4
Acute alcohol intoxication, mood states and alcohol metabolism in women and men. Sutker PB, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:349–54
Hormonal changes during alcohol intoxication and withdrawal. Ylikahri RH, et al. **Pharmacol Biochem Behav** 1980;13 Suppl 1:131–7
[Intoxication of the person at the helm in motor boat traffic in Finland] Penttilä A, et al. **Beitr Gerichtl Med** 1984; 42:113–21 (Eng. Abstr.) **(Ger)**
[Studies on the cases with high levels of blood alcohol] Fukunaga T, et al. **Nippon Hoigaku Zasshi** 1984 Feb; 38(1):64–70 (Eng. Abstr.) **(Jpn)**

CHEMICALLY INDUCED

Locomotor stimulant and intoxicant properties of methanol, ethanol, tertiary butanol and pentobarbital in Long–Sleep and Short–Sleep mice. Dudek BC, et al. **Subst Alcohol Actions Misuse** 1983;4(1):31–6
[Ethanol poisoning at the centre for the treatment of poisoning in 1980] Bjaeldager PA, et al. **Ugeskr Laeger** 1984 Mar 5;146(10):724–7 (Eng. Abstr.) **(Dan)**

COMPLICATIONS

Estimated lethal ethanol concentrations in relation to age, aspiration, and drugs. Poikolainen K. **Alcoholism (NY)** 1984 Mar–Apr;8(2):223–5
Alcohol consumption among vehicular occupants injured in crashes. Soderstrom CA, et al. **Alcoholism (NY)** 1984 May–Jun;8(3):269–71
Assessment of nutritional status and in vivo immune responses in alcoholic liver disease. Mills PR, et al. **Am J Clin Nutr** 1983 Dec;38(6):849–59
Effect of ethanol on lactic acidosis in experimental hemorrhagic shock. Garrison HG, et al. **Ann Emerg Med** 1984 Jan;13(1):26–9
Atrial fibrillation [letter] Lanska D, et al. **Arch Intern Med** 1984 Sep;144(9):1888–9
The role of alcohol in new–onset atrial fibrillation. Lowenstein SR, et al. **Arch Intern Med** 1983 Oct; 143(10):1882–5
The correlates of serious alcohol–related consequences and illicit drug use amongst a cohort of Scottish teenagers. Plant MA, et al. **Br J Addict** 1984 Jun;79(2):197–200
Acute alcohol intoxication and traumatic shock. An experimental study on circulating microaggregates and survival. Elmér O, et al. **Eur Surg Res** 1983;15(5):268–75
Alcohol related morbidity in acute male medical admissions. Martin BJ, et al. **Health Bull (Edinb)** 1983 Sep;41(5):263–7
Occupational accidents and alcohol. Lings S, et al. **Int Arch Occup Environ Health** 1984;53(4):321–9
Oliguria and left upper limb weakness. Acharya VN, et al. **J Assoc Physicians India** 1983 Aug;31(8):539–41
A hydromorphone and ethanol fatality. Levine B, et al. **J Forensic Sci** 1984 Apr;29(2):655–9
Alcohol, alcoholism, and cancer. Breeden JH. **Med Clin North Am** 1984 Jan;68(1):163–77 (85 ref.)
Ethanol and the pancreas. Geokas MC. **Med Clin North Am** 1984 Jan;68(1):57–75 (108 ref.)
Alcohol and the blood. Larkin EC, et al. **Med Clin North Am** 1984 Jan;68(1):105–20 (69 ref.)
Alcohol and the heart. Segel LD, et al. **Med Clin North Am** 1984 Jan;68(1):147–61 (141 ref.)
Alcoholic hypoglycemia and ketoacidosis. Williams HE. **Med Clin North Am** 1984 Jan;68(1):33–8 (12 ref.)
Alcohol abuse. Social drinking and cognitive impairment [letter] Bowden SC, et al. **Med J Aust** 1984 Feb 4; 140(3):175–6
Ethanol intoxication: a risk factor for ischemic brain infarction. Hillbom M, et al. **Stroke** 1983 Sep–Oct; 14(5):694–9
Mechanisms of postural ataxia after intake of alcohol. Diener HC, et al. **Z Rechtsmed** 1983;90(3):159–65
[The 'holiday heart' syndrome] Jordaens L, et al. **Ned Tijdschr Geneeskd** 1983 Dec 31;127(53):2407–10 (Eng. Abstr.) **(Dut)**
[Benzodiazepines, alcohol and effects on vigilance] Barrucand D. **Encephale** 1983;9(4 Suppl 2):117B–122B (Eng. Abstr.) **(Fre)**
[Acute alcoholic rhabdomyolysis manifested by sciatic paralysis: pathogenic hypotheses] Rouget JP, et al. **LARC Med** 1984 Jan;4(1):5–8 (Eng. Abstr.) **(Fre)**
[Arrhythmia in relation to acute alcoholic intoxication in the absence of obvious cardiopathy] Haissaguerre M, et al. **Presse Med** 1984 Jul 7;13(28):1723–6 (Eng. Abstr.) **(Fre)**
[The intoxicated surgical patient] Liczkowski B, et al. **Z Arztl Fortbild (Jena)** 1984;78(1):11–2 **(Ger)**
[Incidence of gonorrhea acquired in alcoholic intoxication] Chodynicka B, et al. **Przegl Dermatol** 1984 Jan–Feb; 71(1):53–9 (Eng. Abstr.) **(Pol)**
[Case of triple attempt at suicide] Kovachev L. **Khirurgiia (Sofiia)** 1983;36(6):567–9 **(Rus)**
[Ketosis and acetonemia in alcoholic intoxication and the effect of teturam. Possible causes and mechanisms of development] Nuzhnyĭ VP, et al. **Patol Fiziol Eksp Ter** 1983 Nov–Dec;(6):78–81 (44 ref.) **(Rus)**

DIAGNOSIS

An improved method for collecting breath for the assay of acetaldehyde. Phillips M, et al. **Alcoholism (NY)** 1984 May–Jun;8(3):293–6
Psychology, public policy, and the evidence for alcohol intoxication. Langenbucher JW, et al. **Am Psychol** 1983 Oct;38(10):1070–7 (6 ref.)
Accuracy and usefulness of a breath alcohol analyzer. Gibb KA, et al. **Ann Emerg Med** 1984 Jul;13(7):516–20
The intoxicated person: hospital or jail? [letter] Schwartz ML. **Can Med Assoc J** 1984 Feb 15;130(4):351
Blood–injury phobia: a 'reasonable excuse' for failing to give a specimen in a case of suspected drunken driving. Gudjonsson GH, et al. **J Forensic Sci Soc** 1983 Jul; 23(3):197–201
Screening for alcohol intoxication by the osmolar gap. Coakley JC, et al. **Pathology** 1983 Jul;15(3):321–3
Blood alcohol analysis: a comparison of the gas–chromatographic assay with an enzymatic assay. Taylor GF, et al. **Pathology** 1984 Apr;16(2):157–9
Medicine and the law. Physicians and DWI examinations. Wilcox DP, et al. **Tex Med** 1984 Feb;80(2):53–4
A case of poisoning by a mixture of methanol and ethylene glycol. Arai H, et al. **Tohoku J Exp Med** 1983 Dec; 141(4):473–80
[Comparison of blood alcohol concentration and breath alcohol concentrations (Alcomat) in experimental conditions] Bohn G, et al. **Beitr Gerichtl Med** 1984;42:225–9 (Eng. Abstr.) **(Ger)**
[Psychopathologic criteria for alcohol intoxication] Bresser PH. **Beitr Gerichtl Med** 1983;41:441–8 (Eng. Abstr.) **(Ger)**
[Proof value of breath alcohol concentration within the scope of indirect blood alcohol determination] Grüner O. **Beitr Gerichtl Med** 1984;42:215–24 (Eng. Abstr.) **(Ger)**
[How can errors in breath alcohol determination be avoided?] Moreth B, et al. **Beitr Gerichtl Med** 1984;42:211–3 (Eng. Abstr.) **(Ger)**
[The relationship between blood alcohol level and head injury] Fuchinoue T, et al. **No To Shinkei** 1984 Mar; 36(3):248–54 (Eng. Abstr.) **(Jpn)**
[Distribution of ethanol in cadaver organs in death from acute alcoholic intoxication] Lavreshin An, et al. **Sud Med Ekspert** 1983 Oct–Dec;26(4):34–6 (Eng. Abstr.) **(Rus)**
[Neurologic and echoencephalographic studies in alcoholic intoxication] Lukacher GIa, et al. **Sud Med Ekspert** 1983 Oct–Dec;26(4):39–41 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Naloxone–ethanol interaction in experimental and clinical situations. Nuotto E, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Apr;54(4):278–84
Cardiovascular effects of acetaldehyde accumulation after ethanol ingestion: their modification by beta–adrenergic blockade and alcohol dehydrogenase inhibition. Kupari M, et al. **Alcoholism (NY)** 1983 Summer;7(3):283–8
Naloxone and alcohol intoxication [letter] Ducobu J. **Ann Intern Med** 1984 Apr;100(4):617–8
[Effect of Narcan on alcoholic intoxication] Cholewa L, et al. **Przegl Lek** 1983;40(11):783–7 (Eng. Abstr.) **(Pol)**

ENZYMOLOGY

Acute ethanol intoxication decreases subsequent food intake and changes hepatic microsomal enzyme activities similarly to fasting. Gadeholt G, et al. **Acta Pharmacol Toxicol (Copenh)** 1983 Nov;53(5):417–20
Accumulation of acetaldehyde in alcohol–sensitive Japanese: relation to ethanol and acetaldehyde oxidizing capacity. Inoue K, et al. **Alcoholism (NY)** 1984 May–Jun;8(3):319–22
Isoenzyme pattern of serum beta–hexosaminidase in liver disease, alcohol intoxication, and pregnancy. Hultberg B, et al. **Enzyme** 1983;30(3):166–71
The acute effects of alcohol on plasma creatine kinase (CK) activity in the rat. Spargo E. **J Neurol Sci** 1984 Mar; 63(3):307–16
Changes in glutathione in acute and chronic alcohol intoxication. Guerri C, et al. **Pharmacol Biochem Behav** 1980;13 Suppl 1:53–61
Liver superoxide dismutases and catalase during ethanol inhalation and withdrawal. Ribière C, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:263–6
Acute ethanol effects on rat liver tryptophan oxygenase and tyrosine aminotransferase. Rouach H, et al. **Pharmacol Biochem Behav** 1980;13 Suppl 1:139–43
[Effect of alcohol intoxication on activity of enzymes in ethanol oxidation and on arginase activity in rat liver] Gurtovenko VM, et al. **Vopr Med Khim** 1983 Jul–Aug; 29(4):51–4 (Eng. Abstr.) **(Rus)**
[Content of hydroperoxides in lipids, superoxide dismutase and glucose–6–phosphate dehydrogenase activity of erythrocytes in alcoholic intoxication] Storozhok SA. **Vopr Med Khim** 1983 Nov–Dec;29(6):31–4 (Eng. Abstr.) **(Rus)**
[Arginase activity in various tissues of rats in alcohol intoxication] Trapeznikova SS, et al. **Vopr Med Khim** 1983 Jul–Aug;29(4):95–8 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Ethanol intoxication complicating intravenous nitroglycerin therapy. Shook TL, et al. **Ann Intern Med** 1984 Oct; 101(4):498–9

FAMILIAL & GENETIC

The role of alcohol dehydrogenase and aldehyde dehydrogenase isozymes in alcohol metabolism, alcohol sensitivity, and alcoholism. Goedde HW, et al. **Isozymes Curr Top Biol Med Res** 1983;8:175–93
Biological markers: metabolism and acute reactions to alcohol in sons of alcoholics. Schuckit MA. **Pharmacol Biochem Behav** 1980;13 Suppl 1:9–16

IMMUNOLOGY

[Effect of acute alcoholic intoxication on the antigenic composition of soluble proteins in the rat brain] Usatenko MS, et al. **Biull Eksp Biol Med** 1984 Apr;97(4):426–9 (Eng. Abstr.) **(Rus)**

METABOLISM

Increased urinary folate excretion and decreased plasma folate levels in the rat after acute ethanol treatment. McMartin KE. **Alcoholism (NY)** 1984 Mar–Apr;8(2):172–8
Survival after high blood alcohol levels. Association with first–order elimination kinetics. O'Neill S, et al. **Arch Intern Med** 1984 Mar;144(3):641–2
Chemiluminescence of the in situ rat liver after acute ethanol intoxication—effect of (+)–cyanidanol–3. Videla LA, et al. **Biochem Pharmacol** 1983 Sep 15;32(18):2822–5
Interaction of ethanol with neural cells in culture: a model of intoxication, tolerance and withdrawal. Charness ME, et al. **Ciba Found Symp** 1984;105:73–84
Phospholipids, vitamin A and ubiquinone of the Golgi apparatus subfractions from rat liver after acute ethanol intoxication. Casu A, et al. **Exp Pathol** 1984;25(4):251–5
Effects of fructose, glucose, and mixed sugars on ethanol detoxification and blood glucose response in rats. Jones AW. **Med Biol** 1983;61(6):319–23
Physical properties and lipid composition of brain membranes from ethanol tolerant–dependent mice. Harris RA, et al. **Mol Pharmacol** 1984 May;25(3):401–9
Serum and muscle potassium in experimental alcoholic myopathy. Haller RG, et al. **Neurology (NY)** 1984 Apr; 34(4):529–32
Adrenal and urinary catecholamines during and after severe ethanol intoxication in rats: a profile of changes. Adams MA, et al. **Pharmacol Biochem Behav** 1984 Jul;21(1):125–31
Monoamine and metabolite levels in CNS regions of the P line of alcohol–preferring rats after acute and chronic ethanol treatment. Murphy JM, et al. **Pharmacol Biochem Behav** 1983 Nov;19(5):849–56
Effects of some hypotensive drugs on the clearance of I125 hippurate in rats after acute and subacute ethanol

intoxication. Wejman I, et al. **Pol J Pharmacol Pharm** 1983 May–Jun;35(3):195–200
Effect of ethanol on hepatic secretory proteins. Tuma DJ, et al. **Recent Dev Alcohol** 1984;2:159–80
[Reduced production of superoxide (02(–)] in peritoneal macrophages of the rat submitted to acute alcoholic intoxication] Andreana A, et al. **Boll Soc Ital Biol Sper** 1983 Nov 30;59(11):1714–7 (Eng. Abstr.) **(Ita)**
[Renin–angiotensin system in sudden cardiac death in persons with various degrees of alcoholic intoxication] Volkov VN, et al. **Ter Arkh** 1984;56(4):128–32 (Eng. Abstr.) **(Rus)**
[Concentrations of protein sulfhydryl and amino groups in the brain during acute and chronic alcoholic intoxication] Kozlov NB, et al. **Ukr Biokhim Zh** 1983 Jul–Aug; 55(4):437–40 (Eng. Abstr.) **(Rus)**
[Alterations of proteins and lipoproteins of blood and myocardium in acute alcohol intoxication] Gribanov GA, et al. **Vopr Med Khim** 1983 Sep–Oct;29(5):10–3 (Eng. Abstr.) **(Rus)**

MORTALITY

Comparative haemodynamic studies on the acute cardiac effects of alcohol in the rat and guinea pig. Hepp A, et al. **Eur Heart J** 1984 Jan;5(1):85–9
Leads from the MMWR. Alcohol and violent death—Erie County, New York, 1973 to 1983. **JAMA** 1984 May 25; 251(20):2641–2
Leads from the MMWR. Alcohol-related deaths—United States, 1968 to 1978. **JAMA** 1984 Jan 13;251(2):185–6
Alcohol and violent death—Erie County, New York, 1973–1983. **MMWR** 1984 May 4;33(17):226–7

NURSING

Admitting an intoxicated patient. Loweree F, et al. **Am J Nurs** 1984 May;84(5):616–8

OCCURRENCE

The risks of drunkenness (or, ebrietas resurrecta). A comparison of frequent intoxication indices and of population sub–groups as to problem risks. Knupfer G. **Br J Addict** 1984 Jun;79(2):185–96
Signs and symptoms of hangover: prevalence and relationship to alcohol use in a general adult population. Smith CM, et al. **Drug Alcohol Depend** 1983 Jun;11(3–4):249–69
Race, sex, marihuana use and alcohol intoxication in college students. Humphrey JA, et al. **J Stud Alcohol** 1983 Jul; 44(4):733–8
National study of the demography of adolescent drinking practices in 1980. Zucker RA, et al. **J Stud Alcohol** 1983 Nov;44(6):974–85
The influence of ethanol intoxication on outcome of injured motorcyclists. Luna GK, et al. **J Trauma** 1984 Aug; 24(8):695–700
Deaths decline, but drunk driving, other traffic safety hazards remain [news] Gunby P. **JAMA** 1984 Apr 6;251(13):1645–7

PATHOLOGY

Lysosome injury by perfusion of the isolated rat liver with ethanol or a molasses distillate (cachaça). Rolim EG, et al. **Braz J Med Biol Res** 1983 Apr;16(1):23–7
A search for brain damage in a rat model of alcoholic sleep apnea. Cragg B, et al. **Exp Neurol** 1984 Apr;84(1):219–24
[Changes in the lungs in chronic alcoholism and acute alcoholic intoxication] Paukov VS, et al. **Sov Med** 1984; (3):65–9 (70 ref.) **(Rus)**

PHYSIOPATHOLOGY

Cerebral blood flow autoregulation during acute ethanol intoxication in the rat. Barry DI, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Mar;54(3):227–32
Naloxone reverses ethanol–induced depression of hypercapnic drive. Michiels TM, et al. **Am Rev Respir Dis** 1983 Nov;128(5):823–6
Does alcohol intensify the hemodynamic effects of nitroglycerin? Kupari M, et al. **Clin Cardiol** 1984 Jul; 7(7):382–6
Prostaglandins in alcohol intolerance and hangover. Parantainen J. **Drug Alcohol Depend** 1983 Jun; 11(3–4):239–48 (69 ref.)
Drowning and alcohol [letter] Gooden B. **Med J Aust** 1984 Sep 29;141(7):478
Alcohol–related electrophysiology. Siggins GR, et al. **Pharmacol Biochem Behav** 1980;13 Suppl 1:203–11
The role of the central noradrenergic nervous system in the mediation of the ethanol intoxication and ethanol withdrawal syndrome. Major LF, et al. **Psychopharmacol Bull** 1984 Summer;20(3):487–93
Alcohol and the psychophysiological detection of deception. Bradley MT, et al. **Psychophysiology** 1984 Jan;21(1):63–71
[Electrooculography study of acute and chronic alcohol intoxication] Delplace MP, et al. **Bull Mem Soc Fr Ophtalmol** 1983;95:437–41 **(Fre)**
[Left ventricular hemodynamics in acute alcohol intoxication in guinea pigs] Hepp A, et al. **Herz** 1983 Aug;8(4):234–9 (Eng. Abstr.) **(Ger)**
[Limbico–reticular relations during formation of various motivation responses in rabbits subjected to ethanol administration] Zilov VG, et al. **Biull Eksp Biol Med** 1983 Nov;96(11):74–7 (Eng. Abstr.) **(Rus)**
[Effect of alcoholic intoxication in female rats on the functioning of the hypothalamo–hypophyseal–adrenal cortex system of their progeny] Drzhevetskaia IA, et al. **Farmakol Toksikol** 1984 May–Jun;47(3):84–7 (Eng. Abstr.) **(Rus)**
[Changes in the lungs as affected by acute and chronic ethanol intoxication] Leĭtin AL. **Sud Med Ekspert** 1984 Jan–Mar;27(1):43–5 (65 ref.) **(Rus)**

PREVENTION & CONTROL

The effectiveness of deferred prosecution for driving while intoxicated. Salzberg PM, et al. **J Stud Alcohol** 1983 Mar; 44(2):299–306

PSYCHOLOGY

Factors affecting the perception of intoxication: dose, tolerance, and setting. O'Malley SS, et al. **Addict Behav** 1984;9(2):111–20
Alcohol and sober mood state in female social drinkers. Birnbaum IM, et al. **Alcoholism (NY)** 1983 Fall;7(4):362–8
Subjective responses to alcohol in sons of alcoholics and control subjects. Schuckit MA. **Arch Gen Psychiatry** 1984 Sep;41(9):879–84
Alcohol intoxication and deviant sexual arousal in male social drinkers. Barbaree HE, et al. **Behav Res Ther** 1983; 21(4):365–73
Attentional absorption in marijuana and alcohol intoxication. Fabian WD Jr, et al. **J Abnorm Psychol** 1983 Nov; 92(4):489–94
Correlates of the Michigan Alcoholism Screening Test (MAST) among DWI offenders. Zung BJ. **J Clin Psychol** 1984 Mar;40(2):607–12
Drinking habits and expectancies about alcohol's effects for self versus others. Rohsenow DJ. **J Consult Clin Psychol** 1983 Oct;51(5):752–6
Changes in attributions made by individuals charged with driving while intoxicated. Pipes RB, et al. **J Soc Psychol** 1983 Oct;121(1st Half):39–44
Psychophysiological measures from intoxicated and detoxified alcoholics. Cohen MJ, et al. **J Stud Alcohol** 1983 Mar;44(2):271–82
Reactions to alcohol–related marital violence. Effects of one's own abuse experience and alcohol problems on causal attributions. Corenblum B. **J Stud Alcohol** 1983 Jul; 44(4):665–74
A survey analysis of first intoxication experiences. Fromme K, et al. **J Stud Alcohol** 1983 Sep;44(5):905–10
Alcohol consumption and escalatory aggression in intoxicated and sober dyads. Leonard KE. **J Stud Alcohol** 1984 Jan;45(1):75–80
The Life Activities Inventory as a countermeasure for driving while intoxicated. Neff RL, et al. **J Stud Alcohol** 1983 Sep; 44(5):755–69
Circadian variation in effects of ethanol in man. Lawrence NW, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:555–8
Alcohol and state–dependent learning. Lowe G. **Subst Alcohol Actions Misuse** 1983;4(4):273–82
Social drinking and cognitive function: a review. Noble EP. **Subst Alcohol Actions Misuse** 1983;4(2–3):205–16
[Alcohol in the psychopathology of homicide and robberies] Kramarz E. **Ann Acad Med Stetin** 1983;29:305–21 (44 ref.) (Eng. Abstr.) **(Pol)**

THERAPY

'Bad trips'. Chung IM. **Aust Fam Physician** 1983 Sep; 12(9):689–90
Alcohol detoxification: emergency room treatment and referral in Arkansas. Stough DB 4th. **J Arkansas Med Soc** 1984 Jul;81(2):113–9
Treating the intoxicated adolescent. A need for comprehensive services. Stephenson JN, et al. **JAMA** 1984 Oct 12;252(14):1884–8

VETERINARY

Ethanol toxicosis secondary to sourdough ingestion in a dog. Thrall MA, et al. **J Am Vet Med Assoc** 1984 Jun 15; 184(12):1513–4

ALCOHOLIC LIVER DISEASES see **LIVER DISEASES, ALCOHOLIC**

ALCOHOLICS ANONYMOUS

Impaired physicians program. Support groups. Canavan DI. **J Med Soc NJ** 1983 Nov;80(11):953–4
Personality differences between alcoholics anonymous members and nonmembers. Hurlburt G, et al. **J Stud Alcohol** 1984 Mar;45(2):170–1
Linking treatment centers with alcoholics anonymous. Kurtz LF. **Soc Work Health Care** 1984 Spring;9(3):85–94

ALCOHOLISM

see related
ALCOHOLICS ANONYMOUS
FETAL ALCOHOL SYNDROME
SKID ROW ALCOHOLICS

Abstracts of the XV Annual Nordic Meeting on Biological Alcohol Research. Helsinki, Finland, May 6–9, 1984. **Acta Pharmacol Toxicol (Copenh)** 1984;55 Suppl 1:27 pages
Second congress of the International Society for Biomedical Research on Alcoholism and the annual meeting of the Research Society on Alcoholism. Abstracts. **Alcoholism (NY)** 1984 Jan–Feb;8(1):79–140
Second Congress of the International Society for Biomedical Research on Alcoholism and the annual meeting of the Research Society on Alcoholism. June 24–29, 1984, Santa Fe, New Mexico. Abstracts. **Alcoholism (NY)** 1984 Mar–Apr;8(2):243–52
Alcohol use during pregnancy. Kruse J. **Am Fam Physician** 1984 Apr;29(4):199–203
A semiquantitative score system for epidemiologic studies of fetal alcohol syndrome. Vitéz M, et al. **Am J Epidemiol** 1984 Mar;119(3):301–8
Alcoholism. West LJ, et al. **Ann Intern Med** 1984 Mar; 100(3):405–16 (92 ref.)
Action on Alcohol Abuse is born [editorial] **Br Med J [Clin Res]** 1983 Sep 17;287(6395):779–80
General practitioners, court reports, and alcohol related offences. Knox J, et al. **Br Med J [Clin Res]** 1984 Apr 28;288(6426):1273–4
How can we teach students about alcoholism? Korcok M. **Can Med Assoc J** 1984 Feb 1;130(3):305–8
Alcoholism in medical school curricula [letter] Sobol I. **Can Med Assoc J** 1984 Feb 15;130(4):340
Effect of two carbohydrate:lipid ratios of diets enterally fed to chronic alcoholics. Marchini JS, et al. **Hum Nutr Clin Nutr** 1983 Sep;37(5):329–37
Nutritional status of alcoholics of different socioeconomic class. Goldsmith RH, et al. **J Am Coll Nutr** 1983; 2(3):215–20
Evaluating alcoholism and drug abuse knowledge in medical education: a collaborative project. Griffin JB Jr, et al. **J Med Educ** 1983 Nov;58(11):859–63
When alcoholics are not anonymous: socioperceptual effects of labeling and drinking pattern. Cash TF, et al. **J Stud Alcohol** 1984 May;45(3):272–5
Social locations and interpretations: how Jews define alcoholism. Glassner B, et al. **J Stud Alcohol** 1984 Jan; 45(1):16–25
Longitudinal analysis of a demonstration rural outreach alcoholism program. Kilty KM. **J Stud Alcohol** 1984 Mar; 45(2):124–30
Ethyl alcohol—ancient plague and modern poison [editorial] Lundberg GD. **JAMA** 1984 Oct 12;252(14):1911–2
National policy, attitudes undergo some changes in regard to drinking [news] Marwick C. **JAMA** 1984 Oct 12; 252(14):1829–31
Alcoholism—a problem in perspective [editorial] Niven RG. **JAMA** 1984 Oct 12;252(14):1912–4
Symposium on ethyl alcohol and disease. **Med Clin North Am** 1984 Jan;68(1):3–246
The register of treated alcoholics in the Socialist Republic of Croatia. Hudolin V, et al. **Med Inf (Lond)** 1984 Jan–Mar; 9(1):31–43
The alcoholic's supervisor: another victim in need. Hawthorne WB, et al. **Occup Health Saf** 1983 Oct; 52(10):28–9, 40
Fifth Biennial International Symposium on Alcoholism. Cardiff, Wales, June 3–13, 1980. **Pharmacol Biochem Behav** 1980;13 Suppl 1:1–311
First Congress of the International Society for Biomedical Research on Alcoholism. Munich, Germany, July 6–10, 1982. **Pharmacol Biochem Behav** 1983;18 Suppl 1:1–593
The effects of alcohol induced malnutrition in pregnancy on offspring brain and behavioral development. Bartley HL, et al. **Pharmacol Biochem Behav** 1983 Sep;19(3):513–8
Alcoholism—identification, evaluation and early treatment. Crowley TJ. **West J Med** 1984 Mar;140(3):461–4
[Accidents due to violence in Arhus over a pereiod of a year. III. Violence and alcohol] Møller–Madsen B, et al. **Ugeskr Laeger** 1984 Feb 20;146(8):608–12 (Eng. Abstr.) **(Dan)**
[Images of the teetotaler and the drinker] Haegele PA. **Z Arztl Fortbild (Jena)** 1984;78(5):191–4 **(Ger)**
[Alcoholism] von Keyserlingk H. **Z Arztl Fortbild (Jena)** 1984;78(10):381–3 **(Ger)**
[Socio–anthropology of the alcoholization process in Latin America, 1970–1980 (1)] Menéndez EL. **Acta Psiquiatr Psicol Am Lat** 1983 Dec;29(4):247–56 (Eng. Abstr.) **(Spa)**
[The alcoholization process in Latin America. Critical analysis of biomedical and sociological production, 1970–1980 (2)] Menéndez EL. **Acta Psiquiatr Psicol Am Lat** 1984 Mar;30(1):29–40 (Eng. Abstr.) **(Spa)**
[Alcoholism in the Andes] Ryn Z. **Actas Luso Esp Neurol Psiquiatr** 1983 May–Jun; 11(3):245–52 (29 ref.) **(Spa)**

BLOOD

Dexamethasone suppression test in alcoholism. Abou–Saleh MT, et al. **Acta Psychiatr Scand** 1984 Feb;69(2):112–6
Growth hormone, vasopressin, cortisol, and catecholamine responses to insulin hypoglycemia in alcoholics. Eisenhofer G, et al. **Alcoholism (NY)** 1984 Jan–Feb;8(1):33–6
Effect of chronic ethanol administration on production of and response to erythropoietin in the mouse. Giglio MJ, et al. **Alcoholism (NY)** 1984 May–Jun;8(3):323–5
Pattern of alcohol administration and physical dependence. Le Bourhis B, et al. **Alcoholism (NY)** 1983 Fall;7(4):378–81
Release of glucagon in male alcoholics with vagal neuropathy. Tan ET, et al. **Alcoholism (NY)** 1983 Fall; 7(4):416–9

Specificity of the DST and the TRH test for major depression in alcoholics. Dackis CA, et al. **Am J Psychiatry** 1984 May; 141(5):680–3

Plasma amino acids and glucose levels in the rat fetus and dam after chronic maternal alcohol consumption. Marquis SM, et al. **Biol Neonate** 1984;46(1):36–43

High-density lipoprotein response to alcohol consumption and abstinence as an indicator of liver function in alcoholic patients. Devenyi P, et al. **Can Med Assoc J** 1984 Jun 1; 130(11):1445–7

Acetaldehyde–hemoglobin adducts: an unreliable marker of alcohol abuse. Homaidan FR, et al. **Clin Chem** 1984 Mar; 30(3):480–2

Increased concentrations of a transferrin variant after alcohol abuse. Vesterberg O, et al. **Clin Chim Acta** 1984 Aug 15; 141(1):33–9

Prevalence of normal serum amylase levels in patients with acute alcoholic pancreatitis. Spechler SJ, et al. **Dig Dis Sci** 1983 Oct;28(10):865–9

Erythrocyte membrane properties of the chronic alcoholic rat. Chan TC, et al. **Drug Alcohol Depend** 1983 Nov; 12(3):249–57

Serum zinc, magnesium and calcium status in the Wernicke–Korsakoff syndrome. Majumdar SK, et al. **Drug Alcohol Depend** 1983 Dec;12(4):403–5

The effect of chlormethiazole on serum cortisol concentrations in chronic alcoholics. Majumdar SK. **Drug Alcohol Depend** 1983 Jun;11(3–4):403–7

Blood beta-carotene status in chronic alcoholics—a good biochemical marker for malnutrition. Majumdar SK, et al. **Drug Alcohol Depend** 1983 Aug;12(1):111–3

Plasma vitamin E status in chronic alcoholic patients. Majumdar SK, et al. **Drug Alcohol Depend** 1983 Nov; 12(3):269–72

Glycosylated hemoglobin in chronic alcoholics. Proto G, et al. **Drug Alcohol Depend** 1983 Nov;12(3):299–302

Characteristic features of plasma amino acid, plasma pancreatic glucagon, serum insulin concentrations in cirrhotic patients with histories of chronic alcohol consumption. Nakatsukasa H, et al. **Gastroenterol Jpn** 1984 Apr;19(2):110–5

Plasma levels of apolipoproteins A-I, A-II and B in alcoholism. Relation to the degree of histological liver damage, and to liver function tests. Malmendier CL, et al. **Hepatogastroenterology** 1983 Dec;30(6):236–9

Plasma lipoprotein and apolipoprotein profile in alcoholic patients with and without liver disease: on the relative roles of alcohol and liver injury. Duhamel G, et al. **Hepatology** 1984 Jul–Aug;4(4):577–85

Effect of prolonged smoking and alcohol on lipid profile, separately and in combination. Baldwa VS, et al. **J Assoc Physicians India** 1983 Sep;31(9):573–5

Excessive consumption of alcohol in men as a biological influence factor in clinical laboratory investigations. Stamm D, et al. **J Clin Chem Clin Biochem** 1984 Jan;22(1):65–77

Blood group lewis phenotype on erythrocytes and in saliva in alcoholic pancreatitis and chronic liver disease. Stigendal L, et al. **J Clin Pathol** 1984 Jul;37(7):778–82

Dexamethasone suppression test in recently detoxified alcoholics: clinical implications. Khan A, et al. **J Clin Psychopharmacol** 1984 Apr;4(2):94–7

Conjugated and unconjugated plasma oestrogens in men with chronic alcoholism and in normal men. Myking OL, et al. **J Steroid Biochem** 1984 Mar;20(3):799–801

Plasma calcium and phosphate during alcohol intoxication. Alcoholics versus nonalcoholics. Avery DH, et al. **J Stud Alcohol** 1983 Mar;44(2):205–14

Selenium and the alcoholic [letter] Dworkin BM, et al. **Lancet** 1984 May 5;1(8384):1015

Morphology of red blood cells in alcoholics [letter] Homaidan FR, et al. **Lancet** 1984 Apr 21;1(8382):913–4

2,3-Butanediol in serum of alcoholics [letter] Kuehnle J, et al. **Lancet** 1983 Dec 10;2(8363):1369–70

Immunoreactive met-enkephalin plasma concentrations in chronic alcoholics and in children born from alcoholic mothers. Govoni S, et al. **Life Sci** 1983 Oct 17; 33(16):1581–6

Changes in plasma amino acid patterns in chronic alcoholic patients during ethanol withdrawal syndrome: their clinical implications. Majumdar SK, et al. **Med Hypotheses** 1983 Nov;12(3):239–51

Lack of difference in blood acetaldehyde of alcoholics and controls after ethanol ingestion. Eriksson CJ, et al. **Pharmacol Biochem Behav** 1980;13 Suppl 1:101–5

Alcohol exposure pattern and physical dependence. Le Bourhis B, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:511–4

Elevated blood acetaldehyde in alcoholics with accelerated ethanol elimination. Lindros KO, et al. **Pharmacol Biochem Behav** 1980;13 Suppl 1:119–24

Quantitative estimation of abnormal microheterogeneity of serum transferrin in alcoholics. Stibler H, et al. **Pharmacol Biochem Behav** 1980;13 Suppl 1:47–51

Hormonal changes during alcohol intoxication and withdrawal. Ylikahri RH, et al. **Pharmacol Biochem Behav** 1980;13 Suppl 1:131–7

Role of hormones in the mechanism of the swift increase in alcohol metabolism in the rat. Yuki T, et al. **Pharmacol Biochem Behav** 1980;13 Suppl 1:67–71

Changes in fatty acid composition of major glycerophospholipids in erythrocyte membranes from chronic alcoholics during withdrawal. Alling C, et al. **Scand J Clin Lab Invest** 1984 Jun;44(4):283–9

[Occurrence of alcoholic macrocytosis in a hospital in the Paris area. 1-year prospective study (letter)] Bélaïche J, et al. **Gastroenterol Clin Biol** 1984 Feb;8(2):199–200 **(Fre)**

[Hematologic changes following chronic alcoholism] Sanft HJ, et al. **Folia Haematol (Leipz)** 1983;110(4):540–63 (Eng. Abstr.) **(Ger)**

[Posturographic study of alcohol-habituated subjects with different blood alcohol concentrations] Hamann KF, et al. **Laryngol Rhinol Otol (Stuttg)** 1984 Feb;63(2):68–70 (Eng. Abstr.) **(Ger)**

[Iron metabolism in chronic alcohol abuse] Schulz K, et al. **Z Gesamte Inn Med** 1984 Apr 15;39(8):172–6 (Eng. Abstr.) **(Ger)**

[Clinical and biological significance of the correlation between glycosylated hemoglobin, blood uric acid and blood triglycerides] Proto G, et al. **Arch Sci Med (Torino)** 1983 Oct–Dec;140(4):385–91 (Eng. Abstr.) **(Ita)**

[Importance of prolactinemia and IgA-transferrin ratio in chronic alcoholism and alcoholic hepatopathies] Pellerito RE, et al. **Minerva Med** 1983 Oct 20;74(40):2381–8 (Eng. Abstr.) **(Ita)**

[Concentration of endogenous ethanol and alcoholic motivation] Burov IuV, et al. **Biull Eksp Biol Med** 1983 Nov;96(11):67–9 (Eng. Abstr.) **(Rus)**

[Macrocytosis of erythrocytes and megaloblastic anemia in chronic alcoholism] Al'pidovskiĭ VK. **Gematol Transfuziol** 1983 Sep;28(9):45–50 (91 ref.) **(Rus)**

[Why does alcoholism present risk for patients with diabetes mellitus?] Tikhonova EP, et al. **Probl Endokrinol (Mosk)** 1984 Jan–Feb;30(1):33–5 **(Rus)**

[Pharmacokinetics of ethanol in the blood of rats in various stages of chronic alcoholism] Burov IuV, et al. **Vopr Med Khim** 1983 Nov–Dec;29(6):24–6 (Eng. Abstr.) **(Rus)**

[Quantitative changes in peripheral blood thrombocytes in chronic alcoholics and experimental alcoholic intoxication in animals] Naumova TA, et al. **Zh Nevropatol Psikhiatr** 1984;84(2):256–9 (Eng. Abstr.) **(Rus)**

[Effect of alcoholic patients' serum on the reproductive activity of human embryo fibroblasts] Pashchenko VP, et al. **Zh Nevropatol Psikhiatr** 1984;84(2):240–3 (Eng. Abstr.) **(Rus)**

[Changes in the biologic parameters in alcoholic patients with and without abstinence syndrome] González Reimers CE, et al. **Rev Clin Esp** 1983 Nov 30;171(4):241–4 (Eng. Abstr.) **(Spa)**

[Serum levels of plasma ferritin in an alcoholic population] Rubio Rubio JM, et al. **Rev Clin Esp** 1983 Sep 15; 170(5):177–9 (Eng. Abstr.) **(Spa)**

CEREBROSPINAL FLUID

Cerebrospinal fluid biochemical examinations: do they reflect clinical or biological differences? Banki CM, et al. **Biol Psychiatry** 1983 Sep;18(9):1033–44

Tryptophan levels in human cerebrospinal fluid after acute and chronic ethanol consumption. Beck O, et al. **Drug Alcohol Depend** 1983 Nov;12(3):217–22

CLASSIFICATION

Diagnosis and classification of mental disorders and alcohol- and drug-related problems: a research agenda for the 1980s. **Psychol Med** 1983 Nov;13(4):907–21

[Type specificity of alcoholism. 1. Introduction and review of the literature] Bauer U, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1984 Jan;36(1):1–11 (Eng. Abstr.) **(Ger)**

[9th Revision of the International Classification of Diseases, Injuries and Causes of Death: health problems related to alcoholism] Zmudzki A. **Psychiatr Pol** 1983 Mar–Apr; 17(2):167–70 **(Pol)**

[Alcohol dependence syndrome and alcohol-related disability] Zmudzki A. **Psychiatr Pol** 1983 Mar–Apr; 17(2):159–65 **(Pol)**

COMPLICATIONS

Hypophosphataemia and disturbed phosphate metabolism in alcoholic pancreatitis. Lovén L, et al. **Acta Chir Scand** 1984; 150(3):269–71

Sexual function and dysfunction in younger married alcoholics. A comparative study. Jensen SB. **Acta Psychiatr Scand** 1984 Jun;69(6):543–9

Alcohol use in youthful methadone-maintained former heroin addicts: liver impairment and treatment outcome. Hartman N, et al. **Alcoholism (NY)** 1983 Summer; 7(3):316–20

The effects of chronic alcoholism on development of ischemic cerebral infarcts following unilateral carotid artery ligation in gerbils. Mandybur TI, et al. **Alcoholism (NY)** 1983 Fall;7(4):357–61

Transferrin glycans: a possible link between alcoholism and hepatic siderosis. Regoeczi E, et al. **Alcoholism (NY)** 1984 May–Jun;8(3):287–92

Erectile impotence in chronic alcoholics. Tan ET, et al. **Alcoholism (NY)** 1984 May–Jun;8(3):297–301

Alcohol, hypertension, and stroke. Taylor JR, et al. **Alcoholism (NY)** 1984 May–Jun;8(3):283–6

Acute alcoholic myopathy. Ford CS, et al. **Am Fam Physician** 1984 May;29(5):249–52

Alcoholic coma and some associated conditions. Landers DF. **Am Fam Physician** 1983 Oct;28(4):219–22

Chylous effusions secondary to pancreatitis: case report and review of the literature. Goldfarb JP. **Am J Gastroenterol** 1984 Feb;79(2):133–5

Treatment of acute alcoholic pancreatitis: the roles of cimetidine and nasogastric suction. Loiudice TA, et al. **Am J Gastroenterol** 1984 Jul;79(7):553–8

The distal splenorenal shunt in alcoholic patients. A training program's experience. Barry BE, et al. **Am Surg** 1984 Jan; 50(1):49–51

Variceal hemorrhage in the veteran population. To shunt or not to shunt? Fulenwider JT, et al. **Am Surg** 1984 May; 50(5):264–9

Pre-operative alcohol infusion. The need for analgesic supplementation in chronic alcoholics. St Haxholdt O, et al. **Anaesthesia** 1984 Mar;39(3):240–5

Acetaminophen hepatotoxicity associated with alcoholic pancreatitis [letter] Erickson RA, et al. **Arch Intern Med** 1984 Jul;144(7):1509, 1513

Alcoholic myelopathy without substantial liver disease. A syndrome of progressive dorsal and lateral column dysfunction. Sage JI, et al. **Arch Neurol** 1984 Sep; 41(9):999–1001

Pathogenesis of alcoholic pancreatitis. Wilson JS, et al. **Aust NZ J Med** 1983 Jun;13(3):307–12 (84 ref.)

Invasive aspergillosis demonstrating the air crescent sign: occurrence in a previously healthy alcoholic. Epling SB, et al. **Australas Radiol** 1984 Feb;28(1):16–8

The impact of alcohol on health in the general population: a review with particular reference to experience in Malmo. Kristenson H, et al. **Br J Addict** 1984 Jun;79(2):139–45

Natural history of male alcoholism V: is alcoholism the cart or the horse to sociopathy? Vaillant GE. **Br J Addict** 1983 Sep;78(3):317–26

Alcoholism and psychiatric disorder: some further data [letter] Galdi J, et al. **Br J Psychiatry** 1977 Aug;131:221–2

A comparison of alcoholics with and without coexisting affective disorder. O'Sullivan K, et al. **Br J Psychiatry** 1983 Aug;143:133–8

Alcohol dependence and phobic anxiety states. I. A prevalence study. Smail P, et al. **Br J Psychiatry** 1984 Jan; 144:53–7

Alcohol dependence and phobic anxiety states. II. A retrospective study. Stockwell T, et al. **Br J Psychiatry** 1984 Jan;144:58–63

Vitamin supplement to alcoholic beverages [letter] Weller MP. **Br J Psychiatry** 1984 Mar;144:329

Fractures and hypercalciuria: two markers of severe dependence in alcoholics [letter] De Marchi S, et al. **Br Med J [Clin Res]** 1984 May 12;288(6428):1457–8

Alcoholic myopathy [editorial] Hudgson P. **Br Med J [Clin Res]** 1984 Feb 25;288(6417):584–5

Severity of alcohol dependence in patients with alcoholic liver disease. Wodak AD, et al. **Br Med J [Clin Res]** 1983 Nov 12;287(6403):1420–2

Types of depression in alcoholic patients. Bowen RC, et al. **Can Med Assoc J** 1984 Apr 1;130(7):869–74

Effect of ethanol on early stages in nitrosamine carcinogenesis in rat liver. Schwarz M, et al. **Cancer Lett** 1983 Oct;20(3):305–12

Rhabdomyolysis and acute renal failure in chronic alcoholics with myopathy, unrelated to acute alcohol ingestion. Saltissi D, et al. **Clin Nephrol** 1984 May;21(5):294–300

Sympathetic vasoconstrictor nerve function in alcoholic neuropathy. Jensen K, et al. **Clin Physiol** 1984 Jun; 4(3):253–62

Pancreatitis associated with alcoholic liver disease. A review of 1022 autopsy cases. Renner IG, et al. **Dig Dis Sci** 1984 Jul;29(7):593–9

Epileptic seizures in alcoholism and diagnostic value of EEG after sleep deprivation. Deisenhammer E, et al. **Epilepsia** 1984 Aug;25(4):526–30

Course and outcome of chronic pancreatitis. Longitudinal study of a mixed medical–surgical series of 245 patients. Ammann RW, et al. **Gastroenterology** 1984 May;86(5 Pt 1):820–8

Ulcer, back pain, and jaundice in an alcoholic. Levinson M. **Hosp Pract** 1983 Oct;18(10):48N, 48S

Holiday heart arrhythmias. Ettinger PO. **Int J Cardiol** 1984 Apr;5(4):540–2

The skin in alcoholism. Shellow WV. **Int J Dermatol** 1983 Nov;22(9):506–10 (22 ref.)

Alcohol and coronary heart disease. Marmot MG. **Int J Epidemiol** 1984 Jun;13(2):160–7 (32 ref.)

A memory retraining program for nontoxic chronic alcoholics. Dougan DR, et al. **Int J Neurosci** 1984 Jun; 23(3):215–21

A vitamin profile of alcoholism. Baker H. **Int Z Vitam Ernahrungsforsch [Beih]** 1983;24:179–84

Alcoholic epilepsy: review of a series and proposed classification and etiopathogenesis. Devetag F, et al. **Ital J Neurol Sci** 1983 Sep;4(3):275–84 (57 ref.)

Confusion in a middle aged alcoholic man. Bharucha NE, et al. **J Assoc Physicians India** 1983 Nov;31(11):739–40

Equivalence of alternate subtests for the Russell Revision of the Wechsler Memory Scale. Keesler TY, et al. **J Clin Neuropsychol** 1984 May;6(2):215–9

Alcohol and marijuana: comparison of use and abuse in regular marijuana users. Weller RA, et al. **J Clin Psychiatry** 1984 Sep;45(9):377–9

Endocrine effects of alcoholism [clinical conference] Troncale JA. **J Fam Pract** 1984 Jul;19(1):17, 21–2, 25 passim

Diagnostic approach to the patient with chronic pancreatic disease and suspected pancreatic carcinoma. Greenberger NJ. **J Kans Med Soc** 1984 Feb;85(2):53–5, 64

Recovery after central pontine myelinolysis. Stam J, et al. **J Neurol** 1984;231(1):52–3

Prognosis of alcoholic peripheral neuropathy. Hillbom M, et al. **J Neurol Neurosurg Psychiatry** 1984 Jul;47(7):699–703

Effects of chronic alcohol consumption and iron deficiency on maternal folate status and reproductive outcome in mice. El Banna N, et al. **J Nutr** 1983 Oct;113(10):2059–70

Influence of vestibular and cerebellar dysfunction on the performance of alcoholics on the Rod-and-Frame Test. Holm L, et al. **J Stud Alcohol** 1983 Sep;44(5):780–6

Comment on Roy's 'Alcohol misuse and posttraumatic stress disorder (delayed): an alternative interpretation of the data'. Lacoursiere RB, et al. **J Stud Alcohol** 1984 May;45(3):283–4

Risk of alcohol-related hospital admission in men as predicted by marital status and social class. Poikolainen K. **J Stud Alcohol** 1983 Nov;44(6):986–95

Alcohol misuse and posttraumatic stress disorder: a response to Lacoursiere and Coyne. Roy RE. **J Stud Alcohol** 1984 May;45(3):285–7

Neuropsychological deficits in alcoholics: etiological considerations. Tarter RE, et al. **J Stud Alcohol** 1984 Jan; 45(1):1–9 (93 ref.)

The severe lacticacidosis of thiamine deficiency: acute pernicious or fulminating beriberi. Campbell CH. **Lancet** 1984 Aug 25;2(8400):446–9

Strokes and alcohol [letter] Gill JS, et al. **Lancet** 1983 Nov 12;2(8359):1142–3

Hypokalaemia in alcohol withdrawal caused by high circulating adrenaline levels [letter] Manhem P, et al. **Lancet** 1984 Mar 24;1(8378):679

Nutrition and the alcoholic. Sherlock S. **Lancet** 1984 Feb 25;1(8374):436–9

Infections in the alcoholic. Adams HG, et al. **Med Clin North Am** 1984 Jan;68(1):179–200 (126 ref.)

Alcohol, alcoholism, and cancer. Breeden JH. **Med Clin North Am** 1984 Jan;68(1):163–77 (85 ref.)

Alcohol and the gastrointestinal tract. Burbige EJ, et al. **Med Clin North Am** 1984 Jan;68(1):77–89 (100 ref.)

Ethanol and the pancreas. Geokas MC. **Med Clin North Am** 1984 Jan;68(1):57–75 (108 ref.)

Skeletal muscle disease in alcoholism. Haller RG, et al. **Med Clin North Am** 1984 Jan;68(1):91–103 (54 ref.)

The effects of alcohol on blood pressure and electrolytes. Kaysen G, et al. **Med Clin North Am** 1984 Jan;68(1):221–46 (156 ref.)

Alcohol and the respiratory tract. Krumpe PE, et al. **Med Clin North Am** 1984 Jan;68(1):201–19 (155 ref.)

Alcohol and the blood. Larkin EC, et al. **Med Clin North Am** 1984 Jan;68(1):105–20 (69 ref.)

Alcohol and the central nervous system. Nakada T, et al. **Med Clin North Am** 1984 Jan;68(1):121–31 (35 ref.)

Alcohol and the heart. Segel LD, et al. **Med Clin North Am** 1984 Jan;68(1):147–61 (141 ref.)

Physiopathogenic basis of alcoholic pancreatitis: the effects of elevated cholinergic tone and increased 'pancreon' ecbolic response to CCK-PZ. Tiscornia OM, et al. **Mt Sinai J Med (NY)** 1983 Sep–Oct;50(5):369–87 (247 ref.)

Indulging .. to the point of destruction. Newton JJ. **Ohio State Med J** 1983 Jun;79(6):415–7

Test and teach. Number forty-one. Diagnosis: hypertriglyceridemia with pseudohyponatremia in acute or chronic alcoholism; multiple myeloma with pseudohyponatremia, decreased anion gap and hypercalcemia. Pain RW. **Pathology** 1983 Jul;15(3):233, 331–4

Alcohol consumption, neuropsychological status and computer-tomographic findings in a random sample of men and women from the general population. Bergman H, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:501–5

Effect of exposure to high concentrations of toluene on ethanol preference of laboratory rats. Geller I, et al. **Pharmacol Biochem Behav** 1983 Dec;19(6):933–7

On the characteristics of alcohol-induced liver enlargement and its possible hemodynamic consequences. Israel Y, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:433–7

Ganglioside treatment of alcoholic neuropathies: experimental and clinical aspects. Massarotti M. **Pharmacol Biochem Behav** 1983;18 Suppl 1:51–4

Cardiovascular effects of alcohol. Rubin E. **Pharmacol Biochem Behav** 1980;13 Suppl 1:37–40

Alcohol and sexual function. Van Thiel DH, et al. **Pharmacol Biochem Behav** 1980;13 Suppl 1:125–9

The consequences of alcohol abuse. Thomson AD. **Practitioner** 1983 Sep;227(1383):1427–39

Spontaneous and drug-induced remission of alcoholic organic brain syndrome: clinical, psychometric, and neurophysiological studies. Saletu B, et al. **Psychiatry Res** 1983 Sep;10(1):59–75

Chronic pancreatitis as psychosomatic disorder. Nakai Y, et al. **Psychother Psychosom** 1983;39(4):201–12

Pancreatitis induced by intravenous infusion of a fat emulsion in an alcoholic patient. Buckspan R, et al. **South Med J** 1984 Feb;77(2):251–2

Symptomatic hypocalcemia due to hyperphosphatemia associated with alcoholic ketoacidosis [letter] Nanji AA. **South Med J** 1984 Apr;77(4):540

Assessment of neurological dysfunction and recovery in alcoholics: CT scanning and other techniques. Carlen PL, et al. **Subst Alcohol Actions Misuse** 1983;4(2–3):191–7

Neuropsychological deficit in chronic alcoholism: early detection and prediction by analysis of verbal behavior. Gottschalk LA, et al. **Subst Alcohol Actions Misuse** 1983; 4(1):45–58

Cerebral dysfunction associated with alcohol consumption. Page RD. **Subst Alcohol Actions Misuse** 1983;4(6):405–21

Chronic maternal ethanol administration in the rat decreases the stimulation by (–) epinephrine of glycogen phosphorylase a in the livers of the progeny during development. Rovinski B, et al. **Subst Alcohol Actions Misuse** 1984;5(2):77–85

Elective operations in chronic alcohol induced pancreatitis. Kiviluoto T, et al. **Surg Gynecol Obstet** 1984 Jul;159(1):70–4

Clinicopathological conference. Case 1–1983: Alcoholic chronic pancreatitis with a calcified pseudocyst. Anand BS. **Trop Gastroenterol** 1983 Oct–Dec;4(4):210–3

Long-term follow-up study of 50 patients with pancreaticoduodenectomy for chronic pancreatitis. Moreaux J. **World J Surg** 1984 Jun;8(3):346–53

[The child behavior disorder syndrome and alcoholism in the parents] Satková V. **Cesk Psychiatr** 1983 Aug; 79(4):251–4 (Eng. Abstr.) (Cze)

[Alcohol addicts and benzodiazepines. A review of the hidden abuse of benzodiazepines in a large clinic for alcohol addicts] Tønnesen H, et al. **Ugeskr Laeger** 1984 Feb 6; 146(6):430–1 (Eng. Abstr.) (Dan)

[Muscle calcium deposits in an acute alcoholic rhabdomyolysis with renal failure] Tanguy RL, et al. **Ann Fr Anesth Reanim** 1983;2(6):417–9 (Eng. Abstr.) (Fre)

[Sideroblastic anemia, lead poisoning and wine from Bordeaux] Conso F, et al. **Ann Med Interne (Paris)** 1984; 135(1):43–5 (Eng. Abstr.) (Fre)

[Early cataract and chronic alcoholism] Brachet A, et al. **Bull Soc Ophtalmol Fr** 1983 Apr;83(4):479–82 (Eng. Abstr.) (Fre)

[Chronic alcoholic pancreatitis: relation of pain to withdrawal and pancreatic surgery] Ink O, et al. **Gastroenterol Clin Biol** 1984 May;8(5):419–25 (Eng. Abstr.) (Fre)

[Alcoholic neuroacropathy. Recent diagnostic and pathogenic attainments] Planchon B, et al. **Rev Med Interne** 1983 Sep;4(3):215–23 (Eng. Abstr.) (Fre)

[Reversible acquired acanthocytosis and hemolytic anemia associated with hypobetalipoproteinemia in a chronic alcoholic] Beris P, et al. **Schweiz Med Wochenschr** 1983 Oct 8;113(40):1473–5 (Eng. Abstr.) (Fre)

[Alcohol-induced organ damage. 5: The gastrointestinal tract] Joos W, et al. **Fortschr Med** 1984 Feb 16; 102(7):169–72 (Ger)

[Alcohol-induced organic disease. 9. Hematopoiesis] Joos W, et al. **Fortschr Med** 1984 Apr 26;102(16):467–9 (Ger)

[Alcohol-induced organ damage. 13: Psychiatry] Joos W, et al. **Fortschr Med** 1984 May 24;102(20):575–7 (Ger)

[Alcohol-induced organ damage. 12: skin changes] Joos W, et al. **Fortschr Med** 1984 May 17;102(19):549–50 (Ger)

[Alcohol-induced organic disorders. 10. Alcohol-induced disorders of the nervous system] Joos W, et al. **Fortschr Med** 1984 May 3;102(17):490–2 (Ger)

[Alcohol-induced organ damage. 11: Alcoholic myopathy] Joos W, et al. **Fortschr Med** 1984 May 10;102(18):521–2 (Ger)

[Alcohol-induced organ damage. 6: Pancreatitis, cardiomyopathy] Joos W, et al. **Fortschr Med** 1984 Feb 23;102(8):197–200 (Ger)

[Alcohol-induced organic disorders. 14. Speculative organic disorders] Joos W, et al. **Fortschr Med** 1984 Jun 7; 102(21):599–600 (Ger)

[Alcohol-induced organ damage. 2: Alcohol metabolism, desired and unwanted alcohol effects, interactions between alcohol and drug metabolism, alcohol embryopathy] Joos W, et al. **Fortschr Med** 1984 Jan 19;102(3):49–52 (Ger)

[Alcohol-induced organic damage. 1: Epidemiology, sociology and definition of alcoholism, alcohol content of various beverages] Joos W, et al. **Fortschr Med** 1984 Jan 12;102(1–2):51–3 (Ger)

[Damage to the respiratory tract caused by alcoholism] Hackl H. **Prax Klin Pneumol** 1984 Feb;38(2):57–61 (Eng. Abstr.) (Ger)

[Effects of chronic alcoholism on tuberculosis treatment] Wohlrabe H, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:447–50 (Eng. Abstr.) (Ger)

[Alcohol and the lung] Achermann R, et al. **Schweiz Rundsch Med Prax** 1984 May 15;73(20):639–42 (Eng. Abstr.) (Ger)

[Alcoholic pancreatitis with special reference to clinical course, diagnosis and differential diagnosis] Ammann RW. **Schweiz Rundsch Med Prax** 1984 May 1;73(18):573–7 (Eng. Abstr.) (Ger)

[Alcohol and the esophago-gastrointestinal tract] Filippini L. **Schweiz Rundsch Med Prax** 1984 May 1;73(18):566–72 (Eng. Abstr.) (Ger)

[Alcohol and the central nervous system] Hess K, et al. **Schweiz Rundsch Med Prax** 1984 May 15;73(20):647–51 (Eng. Abstr.) (Ger)

[Alcohol and the heart] Hess OM. **Schweiz Rundsch Med Prax** 1984 May 15;73(20):643–6 (Eng. Abstr.) (Ger)

[Alcohol and the hematopoietic system] Knecht H, et al. **Schweiz Rundsch Med Prax** 1984 May 15;73(20):631–7 (Eng. Abstr.) (Ger)

[Alcohol and hypertension] Lüscher T, et al. **Schweiz Rundsch Med Prax** 1984 May 1;73(18):591–5 (Eng. Abstr.) (Ger)

[Alcohol and the peripheral nervous system] Meyer M, et al. **Schweiz Rundsch Med Prax** 1984 May 15;73(20):653–6 (Eng. Abstr.) (Ger)

[Coincidence of chronic pancreatitis and liver cirrhosis in alcohol abuse. A x-ray and histomorphological study] Greiner L, et al. **Z Gastroenterol** 1983 Sep;21(9):526–32 (Eng. Abstr.) (Ger)

[High coincidence rate of chronic pancreatitis and liver cirrhosis in chronic alcohol abuse?] Teschke R. **Z Gastroenterol** 1983 Sep;21(9):533–5 (36 ref.) (Ger)

[Osteochondronecrosis in adult alcoholics] Szántó D. **Orv Hetil** 1984 Feb 5;125(6):317–20 (Eng. Abstr.) (Hun)

[The fetal alcohol syndrome. Description of 2 cases] Baldassar Ferrero AM, et al. **Ann Osp Maria Vittoria Torino** 1982 Jul–Dec; 25(7–12):215–25 (Eng. Abstr.) (Ita)

[Verification of the therapeutic efficacy of the gangliosides in the treatment of peripheral polyneuritis in alcoholics] Dainese R, et al. **Clin Ter** 1984 Feb 29;108(4):305–12 (Eng. Abstr.) (Ita)

[Alcohol and the heart. Personal observations and review of literature] Putzu ML, et al. **Minerva Cardioangiol** 1983 May;31(5):291–7 (Eng. Abstr.) (Ita)

[Systemic arterial hypertension in chronic alcoholics. Role of the abstinence syndrome] Gheno G, et al. **Minerva Med** 1984 May 7;75(19):1123–8 (Eng. Abstr.) (Ita)

[Nutritional neurologic pathology in the alcoholic] Fontanari D, et al. **Riv Neurobiol** 1983 Apr–Sep;29(2–3):208–28 (Eng. Abstr.) (Ita)

[Bureau-Barrière-type sporadic ulcero-mutilating acropathy: peripheral and cerebral neurologic involvement] Pieczuro A, et al. **Riv Neurobiol** 1982 Jul–Dec;28(3–4):345–52 (Eng. Abstr.) (Ita)

[Correlation between computerized tomography and neuropsychologic disorders in alcoholics] Tomaiuolo S, et al. **Riv Neurobiol** 1983 Apr–Sep;29(2–3):298–302 (Eng. Abstr.) (Ita)

[Somatesthesic, auditory and visual evoked potentials in chronic alcoholics] Rossi L, et al. **Riv Neurol** 1984 Mar–Apr;54(2):75–86 (Eng. Abstr.) (Ita)

[Hepatologic news (4). Liver and alcohol] Juszczyk J. **Pol Tyg Lek** 1983 Dec 12;38(50):1587–90 (Pol)

[Esophagitis in alcoholics] Knapik Z, et al. **Pol Tyg Lek** 1983 Dec 12;38(50):1557–9 (Eng. Abstr.) (Pol)

[Early myocardial infarction in alcoholics] Kruś S, et al. **Pol Tyg Lek** 1983 Jul 4;38(27):839–41 (Eng. Abstr.) (Pol)

[Clinical study of tremor] Kouyoumdjian JA, et al. **Rev Paul Med** 1984 Jan–Feb;102(1):13–5 (Eng. Abstr.) (Por)

[Alcoholism, smoking and epidermoid carcinoma of the middle third of the esophagus: a case-control study] Jozala E, et al. **Rev Saude Publica** 1983 Jun;17(3):221–5 (Eng. Abstr.) (Por)

[Particular aspects of bronchopulmonary cancer in non-smokers] Anastasatu C, et al. **Rev Ig [Pneumoftiziol]** 1983 Apr–Jun;32(2):111–6 (Eng. Abstr.) (Rum)

[Role of intracranial hypertension in the development of hydrocephalus in chronic alcoholics] Lukacher GIa, et al. **Klin Med (Mosk)** 1984 Apr;62(4):120–3 (Eng. Abstr.) (Rus)

[Concomitant diseases in patients with pulmonary tuberculosis and chronic alcoholism] Rudoĭ NM, et al. **Klin Med (Mosk)** 1983 Dec;61(12):33–6 (Eng. Abstr.) (Rus)

[Use of pyrogenal in the complex treatment of tuberculosis patients abusing alcohol] Karpukhina NV, et al. **Probl Tuberk** 1983 Jul;(7):46–8 (Eng. Abstr.) (Rus)

[Alcohol as a risk factor for disease] Lisitsyn IuP, et al. **Sov Zdravookhr** 1983;(11):27–30 (Rus)

[State of immunity in myocardial infarction in alcohol abusers] Grekova TI, et al. **Ter Arkh** 1983;55(11):25–7 (Eng. Abstr.) (Rus)

[Treatment of infectious forms of syphilis in patients suffering from chronic alcoholic intoxication] Chistiakova TV. **Vestn Dermatol Venerol** 1984 Jul;(7):68–70 (Eng. Abstr.) (Rus)

[Changes in dexamethasone test indices and reduction in the rate of serotonin absorption by thrombocytes in chronic alcoholics] Bokiĭ IV, et al. **Zh Nevropatol Psikhiatr** 1984; 84(2):234–7 (Eng. Abstr.) (Rus)

[Role of the abstinence syndrome in the development of alcoholic encephalopathy] Glebov VS, et al. **Zh Nevropatol Psikhiatr** 1983;83(8):1227–31 (Eng. Abstr.) (Rus)

[Various current problems concerning polyneuropathy in alcoholism (review)] Laskov VB. **Zh Nevropatol Psikhiatr** 1984;84(4):601–3 (21 ref.) (Rus)

[Various features of paroxysmal-progressive schizophrenia associated with alcoholism according to the results of dispensary observation] Sheĭnin LM. **Zh Nevropatol Psikhiatr** 1983;83(9):1383–9 (Eng. Abstr.) (Rus)

[Cochleovestibular disorders in chronic alcoholics] Zuev VA.

Zh Nevropatol Psikhiatr 1984;84(2):238–40 (Eng. Abstr.) **(Rus)**

[Differentiation of etiologic factors in cases of loss of consciousness in chronic alcoholics] Padelin S. **Lijec Vjesn** 1982 Nov–Dec;104(11–12):456–9 (Eng. Abstr.) **(Scr)**

[Incidence of delirium tremens and alcoholic hallucinations in different types of drinkers. A comparative study] González–Pinto Arrillaga R. **Actas Luso Esp Neurol Psiquiatr** 1984 Jan–Feb;12(1):57–62 (Eng. Abstr.) **(Spa)**

[Alcohol and pancreas] González Medina C. **GEN** 1982 Apr–Sep;36(2–3):199–207 **(Spa)**

[Hematological complications of alcoholism] Rubio Rubio JM, et al. **Rev Clin Esp** 1983 Sep 30;170(6):243–5 **(Spa)**

[Does paracetamol cause liver damage in chronic alcoholics?] Sköld A, et al. **Lakartidningen** 1984 Mar 28;81(13):1314 **(Swe)**

DIAGNOSIS

Do brain damage and liver disease interrelate in advanced abusers of alcohol? Elton M. **Acta Psychiatr Scand** 1983 Dec;68(6):437–44

Predictors of the outcome of disability pension for alcohol abusers. Hörnquist JO, et al. **Acta Psychiatr Scand** 1983 Dec;68(6):426–36

Feighner's symptom profile of alcoholism in a Kenyan general hospital. Ndetei DM, et al. **Acta Psychiatr Scand** 1984 May;69(5):409–15

Drinking problems of alcoholics: correspondence between self and spouse reports. Leonard K, et al. **Addict Behav** 1983;8(4):369–73

The MacAndrew Alcoholism Scale: severity of alcohol abuse and parental alcoholism. Sher KJ, et al. **Addict Behav** 1984; 9(1):99–102

A field test of the sweat patch. Phillips EL, et al. **Alcoholism (NY)** 1984 Mar–Apr;8(2):233–7

Effect of sex bias on women's studies on alcoholism. Vannicelli M, et al. **Alcoholism (NY)** 1984 May–Jun; 8(3):334–6

Effects of abstinence on the ability of clinical laboratory tests to identify male alcoholics. Eckardt MJ, et al. **Am J Clin Pathol** 1984 Sep;82(3):305–10

A Quantitative Inventory of Alcohol Disorders (QIAD): a severity scale for alcohol abuse. Stinnett JL, et al. **Am J Drug Alcohol Abuse** 1982–83;9(4):413–30

Different definitions of alcoholism, II: A pilot study of 10 definitions in a treatment setting. Boyd JH, et al. **Am J Psychiatry** 1983 Oct;140(10):1314–7

Different definitions of alcoholism, I: Impact of seven definitions on prevalence rates in a community survey. Boyd JH, et al. **Am J Psychiatry** 1983 Oct;140(10):1309–13

Assessment of alcohol use with multidimensional concepts and measures. Wanberg KW, et al. **Am Psychol** 1983 Oct; 38(10):1055–69 (57 ref.)

Suicide in alcoholism. A prospective study of 88 suicides: I. The multidimensional diagnosis at first admission. Berglund M. **Arch Gen Psychiatry** 1984 Sep;41(9):888–91

Diagnosis of alcoholism [letter] Wick RL Jr. **Aviat Space Environ Med** 1982 Mar;53(3):290

Shoshin beriberi: a rare diagnostic problem. Engbers JG, et al. **Br Heart J** 1984 May;51(5):581–2

Can accurate drinking histories be obtained from psychiatric patients by a nurse conducting screening interviews? Bernardt MW, et al. **Br J Addict** 1984 Jun;79(2):201–6

Validation of the 'CAGE' alcoholism screening test in a Brazilian psychiatric inpatient hospital setting. Masur J, et al. **Braz J Med Biol Res** 1983 Oct;16(3):215–8

The detection and assessment of alcohol-related problems in health and social service agencies. Rush B, et al. **Can J Public Health** 1983 Jul–Aug;74(4):270–5

Differential approaches to the syndrome of alcoholism. Pattison EM. **Curr Psychiatr Ther** 1983;22:153–67

Comparison of gamma–glutamyltransferase and questionnaire test as alcohol indicators in different risk groups. Peterson B, et al. **Drug Alcohol Depend** 1983 Jun;11(3–4):279–86

Accuracy of hospital discharge data: five alcohol-related diseases. Poikolainen K. **Drug Alcohol Depend** 1983 Dec; 12(4):315–22

Alcoholism and other psychiatric disorders. Schuckit MA. **Hosp Community Psychiatry** 1983 Nov;34(11):1022–7

Diagnosing alcoholism. Smith JW. **Hosp Community Psychiatry** 1983 Nov;34(11):1017–21

Affective disorder in alcoholism. Hesselbrock V, et al. **Int J Addict** 1983 May;18(4):435–44

Liver damage, alcohol use, and diagnosis. Sickora S, et al. **Int J Addict** 1983 Jul;18(5):753–8

Minimal brain dysfunction symptoms claimed by primary and secondary alcoholics: relation to cognitive functioning. De Obaldia R, et al. **Int J Neurosci** 1983 Sep;20(3–4):173–81

Detection and exclusion of alcoholism in men on the basis of clinical laboratory findings. Stamm D, et al. **J Clin Chem Clin Biochem** 1984 Jan;22(1):79–96

Diagnostic validation of conjoint schizophrenia and alcoholism. Alterman AI, et al. **J Clin Psychiatry** 1984 Jul; 45(7):300–3

An evaluation of primary alcoholics with histories of violence. Schuckit MA, et al. **J Clin Psychiatry** 1984 Jan; 45(1):3–6

Normative data for two MMPI critical item sets. Evans RG. **J Clin Psychol** 1984 Mar;40(2):512–5

Reply to 'Validity of five MMPI alcoholism scales: a critique and reanalysis'. Holmes CB, et al. **J Clin Psychol** 1984 May; 40(3):851–2

The relationship of MacAndrew alcoholism scale scores to MMPI profile type and degree of elevation. Pfost KS, et al. **J Clin Psychol** 1984 May;40(3):852–5

Correlates of the Michigan Alcoholism Screening Test (MAST) among DWI offenders. Zung BJ. **J Clin Psychol** 1984 Mar;40(2):607–12

Brief assessment of drinking problems in male and female psychiatric inpatients. Zung BJ. **J Clin Psychol** 1983 Nov; 39(6):1035–7

Racial variations on the MacAndrew alcoholism scale of the MMPI. Walters GD, et al. **J Consult Clin Psychol** 1983 Dec;51(6):947–8

Adolescent responses to the MacAndrew Alcoholism Scale. Wolfson KP, et al. **J Consult Clin Psychol** 1984 Aug; 52(4):625–30

Early diagnosis and treatment of alcoholism [clinical conference] Graham AV, et al. **J Fam Pract** 1984 Sep; 19(3):297, 301–2, 312–3

Use of the self-administered Michigan Alcoholism Screening Test in a family practice center. Hotch DF, et al. **J Fam Pract** 1983 Dec;17(6):1021–6

Early intervention for alcohol problems. Skinner HA, et al. **J R Coll Gen Pract** 1983 Dec;33(257):787–91 (60 ref.)

The early detection and secondary prevention of alcoholism in France. Babor TF, et al. **J Stud Alcohol** 1983 Jul; 44(4):600–16

A discriminant-function analysis of screening tests for excessive drinking and alcoholism. Bernadt MW, et al. **J Stud Alcohol** 1984 Jan;45(1):81–6

Medical students' performance in reporting alcohol-related problems. Flaherty JA, et al. **J Stud Alcohol** 1983 Nov; 44(6):1083–7

Alcoholism among narcotic addicts and patients on methadone maintenance. Jackson G, et al. **J Stud Alcohol** 1983 May;44(3):499–504

Styles of drinking and types of drinkers. Kilty KM. **J Stud Alcohol** 1983 Sep;44(5):797–816

Correspondence of clinicians' judgments with the Michigan Alcoholism Screening Test in determining alcoholism in Veterans Administration outpatients. Magruder-Habib K, et al. **J Stud Alcohol** 1983 Sep;44(5):872–84

Identifying adolescents with alcohol problems. A field test of the Adolescent Alcohol Involvement Scale. Moberg DP. **J Stud Alcohol** 1983 Jul;44(4):701–21

Accuracy of retrospective measurement of individual alcohol consumption in men; a reinterview after 18 years. Simpura J, et al. **J Stud Alcohol** 1983 Sep;44(5):911–7

Differential assessment of alcoholism. Evaluation of the Alcohol Use Inventory. Skinner HA, et al. **J Stud Alcohol** 1983 Sep;44(5):852–62

Relationship between the NIAAA Impairment Index and the Mortimer–Filkins Interview for repeat drunken-driving offenders. Steer RA, et al. **J Stud Alcohol** 1983 May; 44(3):555–8

Response measures of social drinking. Research implications and applications. Vogel-Sprott M. **J Stud Alcohol** 1983 Sep; 44(5):817–36

Modification of the brief Michigan Alcoholism Screening Test. Zung BJ. **J Stud Alcohol** 1983 Sep;44(5):863–71

Detecting alcoholism. The CAGE questionnaire. Ewing JA. **JAMA** 1984 Oct 12;252(14):1905–7

A system to convert ICD diagnostic codes for alcohol research. **MMWR** 1984 Apr 27;33(16):216, 221–3

The Canterbury alcoholism screening test (CAST): a detection instrument for use with hospitalised patients. Elvy GA, et al. **NZ Med J** 1984 Feb 22;97(750):111–5

Differences between employed and unemployed alcoholic inpatients in trouble for drinking and denial. Panitz DR, et al. **Percept Mot Skills** 1983 Oct;57(2):643–6

Markers for detecting alcoholism and monitoring for continued abuse. Morgan MY. **Pharmacol Biochem Behav** 1980;13 Suppl 1:1–8

Michigan Alcoholism Screening Test to diagnose early alcoholism in a general practice. Powers JS, et al. **South Med J** 1984 Jul;77(7):852–6

The Missouri Alcoholism Severity Scale as a predictor of transfer from outpatient to inpatient treatment. Seixas FA. **Subst Alcohol Actions Misuse** 1983;4(6):423–43

Alcohol and pregnancy: an overview and an update. Streissguth AP. **Subst Alcohol Actions Misuse** 1983; 4(2–3):149–73

[Alcohol dehydrogenase in the serum: an attempt at finding biochemical factors which predispose to alcoholism] Kovář J, et al. **Cas Lek Cesk** 1983 Nov 25;122(47):1461–5 (Eng. Abstr.) **(Cze)**

[The alcoholism score and the child rearing situation in families of alcoholics] Matějček Z, et al. **Cesk Psychiatr** 1983 Dec;79(6):380–6 (Eng. Abstr.) **(Cze)**

[The future of adolescents at risk for alcoholism in the story projection test] Mečíř J, et al. **Cesk Psychiatr** 1983 Aug; 79(4):255–9 (Eng. Abstr.) **(Cze)**

[Role of glutamate dehydrogenase in the biological detection of excessive drinkers] Schellenberg F, et al. **Ann Biol Clin (Paris)** 1983;41(4):255–62 (Eng. Abstr.) **(Fre)**

[Gamma–glutamyltransferase: a simple test, a difficult interpretation] Lesgourgues B, et al. **Gastroenterol Clin Biol** 1984 Feb;8(2):99–102 **(Fre)**

[Clinico–chemical tests in the diagnosis of alcoholism] Adolph L. **MMW** 1983 Oct 14;125(41):886–8 **(Ger)**

[Visual evoked potentials in alcoholism. Studies on the problem of alcohol–toxic optic nerve diseases] Haan J, et al. **Nervenarzt** 1983 Sep;54(9):491–3 **(Ger)**

[Different steps in construct validation of the Basel Drug and Alcohol Questionnaire (BDA)] Graw P, et al. **Pharmacopsychiatry** 1984 May;17(3):84–93 (Eng. Abstr.) **(Ger)**

[Undiagnosed alcoholism] Bernitzki HG, et al. **Z Arztl Fortbild (Jena)** 1983;77(17):729–33 **(Ger)**

[Neurologic characteristics of the abstinence syndrome in chronic alcoholism] Lukacher Gla, et al. **Klin Med (Mosk)** 1983 Sep;61(9):104–8 (12 ref.) (Eng. Abstr.) **(Rus)**

[Clinical picture and morphology of visceral manisfestations of chronic alcoholism] Mukhin AS, et al. **Klin Med (Mosk)** 1983 Sep;61(9):93–9 (17 ref.) (Eng. Abstr.) **(Rus)**

[Varieties of alcoholic abstinence] Anufriev AK, et al. **Zh Nevropatol Psikhiatr** 1984;84(2):249–54 (Eng. Abstr.) **(Rus)**

[Interrelation between indices of the progression of alcoholism and various premorbid factors] Ivanets NN, et al. **Zh Nevropatol Psikhiatr** 1983;83(8):1222–7 (Eng. Abstr.) **(Rus)**

[Psychological diagnosis and rehabilitation of alcoholics] Meerzon MM, et al. **Zh Nevropatol Psikhiatr** 1983; 83(12):1827–30 (Eng. Abstr.) **(Rus)**

[Alcoholism: enzyme diagnostic criteria of health and disease (experimental–theoretical aspect)] Piatnitskaia IN, et al. **Zh Nevropatol Psikhiatr** 1984;84(2):229–31 (Eng. Abstr.) **(Rus)**

[Biochemical markers as an aid in the early diagnosis of female alcoholics] Dahlgren L, et al. **Lakartidningen** 1983 Dec 14;80(50):4890–3 (Eng. Abstr.) **(Swe)**

DIET THERAPY

Nutritional management of alcoholism. Visocan BJ. **J Am Diet Assoc** 1983 Dec;83(6):693–6

DRUG THERAPY

Milenperone. A selective drug for the control of behavioral disorders in epileptic and alcoholic patients. Gelders YG, et al. **Acta Psychiatr Belg** 1984 Mar–Apr;84(2):151–9

Present status of disulfiram. Ferko AP. **Am Fam Physician** 1983 Dec;28(6):183–5

Probation linked supervised disulfiram in the treatment of habitual drunken offenders: results of a pilot study. Brewer C, et al. **Br Med J [Clin Res]** 1983 Oct 29;287(6401):1282–3

The role of drugs in the treatment of alcoholism. Peachey JE, et al. **Drugs** 1984 Feb;27(2):171–82 (39 ref.)

Psychotropic medication used in the treatment of alcoholism. Halikas JA. **Hosp Community Psychiatry** 1983 Nov; 34(11):1035–9

Drugs in the management of alcoholism. Cordoba OA. **Hosp Pract** 1983 Nov;18(11):102A–102B, 102F, 102H

A comparison of the efficacy and tolerability of clobazam and chlordiazepoxide in the treatment of acute withdrawal from alcohol in patients with primary alcoholism. Mukherjee PK. **J Int Med Res** 1983;11(4):205–11

Mood-altering effects of disulfiram in alcoholics. Goyer PF, et al. **J Stud Alcohol** 1984 May;45(3):209–13

Efficacy of calcium carbimide after failure of disulfiram to cause a reaction to alcohol [letter] Brewer C. **Lancet** 1984 Jul 21;2(8395):171

Reduction in severity of physical dependence on ethanol in mice caused by desferrioxamine administration. Abu-Murad C, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:515–7

Decrease in ethanol consumption by naloxone in naive and dependent rats. Marfaing-Jallat P, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:537–9

Study of tetrahydrobiopterin and 6-methyltetrahydropterin on alcohol dependence in mice. Combs AB, et al. **Res Commun Chem Pathol Pharmacol** 1983 Oct; 42(1):107–12

Sudden death during disulfiram–ethanol reaction [letter] van Ieperen L. **S Afr Med J** 1984 Aug 4;66(5):165

Organic cerebral reactions in alcoholism: psychobiological aspects of treatment. Hemmingsen R, et al. **Subst Alcohol Actions Misuse** 1983;4(2–3):225–34

[Benzodiazepines in the treatment of alcoholism] Ades J, et al. **Encephale** 1983;9(4 Suppl 2):293B–298B (Eng. Abstr.) **(Fre)**

[Acute liver damage during alcohol withdrawal therapy with Anthaethyl] László B, et al. **Orv Hetil** 1984 May 6; 125(19):1119–23 (Eng. Abstr.) **(Hun)**

[Subcutaneous implantation of disulfiram tables. A retrospective study of alcoholics] Grøvle L, et al. **Tidsskr Nor Laegeforen** 1983 Nov 30;103(33):2227–8 (Eng. Abstr.) **(Nor)**

[Usefulness of disulfiram implants in the treatment of alcoholics] Koślącz A, et al. **Psychiatr Pol** 1984 Jan–Feb; 18(1):17–22 (Eng. Abstr.) **(Pol)**

[The effect of neuropeptides on memory: prospects for their clinical application] Morozov GV, et al. **Vopr Med Khim** 1984 May–Jun;30(3):63–8 (Eng. Abstr.) **(Rus)**

[Use of teturam in treating chronic alcoholism in pulmonary tuberculosis patients] Kalabukha VA, et al. **Vrach Delo** 1983 Nov;(11):48–9 **(Rus)**

[Features of the effects of apomorphine on rats of different

sexes preferring ethyl alcohol] Andronova LM, et al. **Zh Nevropatol Psikhiatr** 1983;83(8):1231–5 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of the suppressive effects of lithium preparations in the treatment of experimental chronic habituation to alcohol] Ariaev VL. **Zh Nevropatol Psikhiatr** 1984;84(5):756–62 (Eng. Abstr.) **(Rus)**

[Effect of SAM in alcoholic patients] Pons Villegas J. **Actas Luso Esp Neurol Psiquiatr** 1983 Sep–Oct;11(5):385–9 (Eng. Abstr.) **(Spa)**

ECONOMICS

Research as a handmaiden of policy: an appraisal of estimates of alcoholism and its cost in the workplace. Fillmore KM. **J Public Health Policy** 1984 Mar;5(1):40–64

Humanitarian and financial costs in alcoholics: a preliminary study of 15 cases. Crawford RJ, et al. **NZ Med J** 1984 Jul 25;97(760):481–4

Grounds for disability pension. The younger abuser as compared with older abusers of alcohol. Elton M, et al. **Scand J Soc Med** 1983;11(2):53–8

ENZYMOLOGY

Biochemical markers for alcoholism: sensitivity problems. Cushman P, et al. **Alcoholism (NY)** 1984 May–Jun; 8(3):253–7

Effect of chronic ethanol ingestion on the cyclic AMP system of the upper gastrointestinal tract in the rat. Seitz HK, et al. **Alcoholism (NY)** 1983 Fall;7(4):369–71

Effects of chronic ethanol ingestion on male and female rat liver glycogen phosphorylase phosphatase. Winston GW, et al. **Alcoholism (NY)** 1984 May–Jun;8(3):277–82

Elevated SGOT/SGPT ratio in alcoholic patients with acetaminophen hepatotoxicity. Himmelstein DU, et al. **Am J Gastroenterol** 1984 Sep;79(9):718–20

The effect of chronic ethanol consumption on enzyme activities of the energy-supplying metabolism and the alcohol-aldehyde oxidizing system in rat hearts. Klein HH, et al. **Basic Res Cardiol** 1984 Mar–Apr;79(2):238–43

Enzyme activity changes in rat heart after chronic alcohol ingestion. Edes I, et al. **Cardiovasc Res** 1983 Nov; 17(11):691–5

Platelet monoamine oxidase and erythrocyte catechol-o-methyltransferase activity in alcoholism and controlled abstinence. Agarwal DP, et al. **Drug Alcohol Depend** 1983 Aug;12(1):85–91

Superoxide dismutase activity in brains from chronic alcoholics. Marklund SL, et al. **Drug Alcohol Depend** 1983 Nov;12(3):209–15

Sialidase and beta-galactosidase activities in serum of alcoholic patients. Stibler H, et al. **Drug Alcohol Depend** 1984 Mar;13(2):205–8

Effect of chronic ethanol consumption on the cellular and subcellular distribution of gamma-glutamyltransferase in rat liver. Halsall S, et al. **Enzyme** 1984;31(4):221–8

Albumin, prealbumin, transferrin and serum proteinase inhibitors in asymptomatic and hospitalized Thai alcohol drinkers. Pongpaew P, et al. **J Stud Alcohol** 1983 Mar; 44(2):381–3

Alcohol-induced salivary hyperamylasemia. Bloch RS, et al. **J Surg Res** 1984 Apr;36(4):389–94

Effect of alcohol consumption on hepatic aldehyde dehydrogensse activity in alcoholic patients. Jenkins WJ, et al. **Lancet** 1984 May 12;1(8385):1048–9

Comparative study of erythrocyte aldehyde dehydrogenase in alcoholics and control subjects. Agarwal DP, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:89–95

Ethanol, essential fatty acids and prostaglandins. Anggård E. **Pharmacol Biochem Behav** 1983;18 Suppl 1:401–7

Brain synaptosomal (Na+ and K+)ATPase activity as an index of tolerance to ethanol. Beaugé F, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:519–24

Alcohol oxidation by isozyme 3a of liver microsomal cytochrome P-450. Coon MJ, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:177–80

Changes in glutathione in acute and chronic alcohol intoxication. Guerri C, et al. **Pharmacol Biochem Behav** 1980;13 Suppl 1:53–61

Blood ethanol and acetaldehyde levels in Japanese alcoholics and controls. Harada S, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:139–40

Significance of serum gamma glutamyl transpeptidase as a marker of alcoholism. Ishii H, et al. **Pharmacol Biochem Behav** 1980;13 Suppl 1:95–9

Alcohol and polyol dehydrogenases. Jörnvall H, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:67–71

Aldehyde oxidizing capacity of erythrocytes in normal and alcoholic individuals. Maring JA, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:135–8

Changes in cholinergic activity in human hippocampus following chronic alcohol abuse. Nordberg A, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:397–400

Hepatic ADH and ALDH isoenzymes in different racial groups and in chronic alcoholism. Ricciardi BR, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:61–5

Colonic cyclic AMP metabolism following chronic ethanol consumption in the rat: effect of hormonal secretagogues. Seitz HK, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:337–40

Plasma glutamate dehydrogenase: a marker of alcoholic liver injury. Worner TM, et al. **Pharmacol Biochem Behav** 1980; 13 Suppl 1:107–10

Alcohol and the liver. Recent developments in preclinical and clinical research. Overview. Lieber CS. **Recent Dev Alcohol** 1984;2:93–102

The search for a biochemical marker in alcoholism. Ryback RS, et al. **Subst Alcohol Actions Misuse** 1983;4(2–3):217–24

Monoamines, monoamine oxidase and alcoholism. Sandler M. **Subst Alcohol Actions Misuse** 1983;4(2–3):89–96

Hepatic mixed function oxygenase activity and glutathione S-transferase activity in mice following ethanol consumption and withdrawal. Schnellmann RG, et al. **Toxicology** 1984 Aug;32(2):105–16

[Evaluation of high methanol level in concomitant alcohol analyses] Iffland R, et al. **Beitr Gerichtl Med** 1984;42:231–6 (Eng. Abstr.) **(Ger)**

[Effect of chronic ethanol feeding on the amount of phenobarbital inducible form of cytochrome P-450 and its localization in the hepatic lobule of the rat] Ohnishi K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Jun; 80(6):1281–7 (Eng. Abstr.) **(Jpn)**

[Hormonal induction of liver tyrosine aminotransferase in animals with chronic poisoning by hepatotropic poisons] Sgibneva OV, et al. **Farmakol Toksikol** 1983 Jul–Aug; 46(4):103–7 (Eng. Abstr.) **(Rus)**

[Gamma-glutamyltransferase activity as a diagnostic test for chronic alcoholism] Batuner LS, et al. **Lab Delo** 1984; (4):253–4 **(Rus)**

[Activity of gamma-glutamyl transpeptidase in the brain of ethanol-intoxicated rats] Flerova NI, et al. **Nerv Sist** 1982; 23:119–24 **(Rus)**

[Effect of chronic administration of ethanol on the enzyme activity of rat serum, liver and brain] Antonenkov VD, et al. **Vopr Med Khim** 1983 Nov–Dec;29(6):79–85 (Eng. Abstr.) **(Rus)**

[Acetylation processes in chronic alcoholics] Kovalev IE, et al. **Zh Nevropatol Psikhiatr** 1984;84(2):232–4 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Effects of naloxone on ethanol dependence in rats. Berman RF, et al. **Drug Alcohol Depend** 1984 May;13(3):245–54

Alcoholism: in search of an answer. Mendelson JH. **Hosp Community Psychiatry** 1983 Nov;34(11):997

Colonialism, culture, and island paradises [letter] Franks A. **Lancet** 1984 Jun 23;1(8391):1412

The hazards of social drinking [editorial] Britton A. **Med J Aust** 1983 Sep 17;2(6):255–6

Production of physical dependence on ethanol by a short drinking episode each day. Tang M, et al. **Pharmacol Biochem Behav** 1983 Jul;19(1):53–5

[Possible correlations of principle parameters in alcoholics: apropos of 100 cases in Luxembourg] Leners JC. **Bull Soc Sci Med Grand Duche Luxemb** 1983;120(1):43–9 **(Fre)**

[Mechanisms of alcohol tolerance and dependence] Kostowski W. **Psychiatr Pol** 1983 Jul–Aug;17(4):341–9 (29 ref.) **(Pol)**

[Comparative characteristics of methods for forced alcoholization of rats] Abdrashitov AKh, et al. **Farmakol Toksikol** 1983 Nov–Dec;46(6):94–8 **(Rus)**

[Toxicological characteristics of an experimental model of alcoholism in rats] Burov IuV, et al. **Farmakol Toksikol** 1983 Jul–Aug;46(4):112–7 (Eng. Abstr.) **(Rus)**

[Experimental model of the formation of body dependence on ethanol] Baru AM, et al. **Fiziol Zh** 1984 Jul–Aug; 30(4):489–93 (Eng. Abstr.) **(Rus)**

[Cerebral pathogenesis of alcoholism] Smetannikov PG. **Vrach Delo** 1983 Nov;(11):97–9 **(Rus)**

FAMILIAL & GENETIC

Depression, criminality and psychopathology associated with alcoholism: evidence from a twin study. Gurling HM, et al. **Acta Genet Med Gemellol (Roma)** 1984;33(2):333–9

Selective breeding for a multivariate index of ethanol dependence in mice: results from the first five generations. Allen DL, et al. **Alcoholism (NY)** 1983 Fall;7(4):443–7

Behavioral and physiological effects of ethanol in high-risk and control children: a pilot study. Behar D, et al. **Alcoholism (NY)** 1983 Fall;7(4):404–10

Learning achievement in sons of alcoholics. Hegedus AM, et al. **Alcoholism (NY)** 1984 May–Jun;8(3):330–3

Arylsulfatase A variants in patients with alcoholism. Hulyalkar AR, et al. **Alcoholism (NY)** 1984 May–Jun; 8(3):337–41

Patterns of alcohol abuse and family stability. Jacob T, et al. **Alcoholism (NY)** 1983 Fall;7(4):382–5

Adolescent sons of alcoholics: neuropsychological and personality characteristics. Tarter RE, et al. **Alcoholism (NY)** 1984 Mar–Apr;8(2):216–22

Platelet MAO activity in alcoholic patients and their first-degree relatives. Alexopoulos GS, et al. **Am J Psychiatry** 1983 Nov;140(11):1501–4

Panic disorder and major depression. Increased risk of depression, alcoholism, panic, and phobic disorders in families of depressed probands with panic disorder. Leckman JF, et al. **Arch Gen Psychiatry** 1983 Oct; 40(10):1055–60

Subjective responses to alcohol in sons of alcoholics and control subjects. Schuckit MA. **Arch Gen Psychiatry** 1984 Sep;41(9):879–84

Genetic markers in alcoholism: no association with HLA. Rösler M, et al. **Arch Psychiatr Nervenkr** 1983; 233(4):327–31

Children of alcoholics [letter] Adler R, et al. **Aust NZ J Psychiatry** 1983 Jun;17(2):198

Familial distribution of alcohol use: I. Assortative mating in the parents of alcoholics. Hall RL, et al. **Behav Genet** 1983 Jul;13(4):361–72

Ethanol-related prolactin responses and risk for alcoholism. Schuckit MA, et al. **Biol Psychiatry** 1983 Oct;18(10):1153–9

Depression spectrum disease or character spectrum disorder? A clinical study of major depressives with familial alcoholism or sociopathy. Van Valkenburg C, et al. **Compr Psychiatry** 1983 Nov–Dec;24(6):589–95

Evidence for an inherited predisposition to alcoholic pancreatitis. A controlled HLA typing study. Wilson JS, et al. **Dig Dis Sci** 1984 Aug;29(8):727–30

Genetic effects on various measures of ethanol dependence in mice: a diallel analysis. Allen DL, et al. **Drug Alcohol Depend** 1984 Mar;13(2):125–32

Variation in length of time to development of alcoholism by family history of problem drinking. Volicer BJ, et al. **Drug Alcohol Depend** 1983 Aug;12(1):69–83

Relationship of family history of alcoholism to patterns of drinking and physical dependence in male alcoholics. Volicer L, et al. **Drug Alcohol Depend** 1984 May; 13(3):215–23

The genetics of alcoholism. Goodwin DW. **Hosp Community Psychiatry** 1983 Nov;34(11):1031–4

Genetics of alcoholism [letter] Huessy HR. **Hosp Community Psychiatry** 1984 Jun;35(6):620–1

The role of alcohol dehydrogenase and aldehyde dehydrogenase isozymes in alcohol metabolism, alcohol sensitivity, and alcoholism. Goedde HW, et al. **Isozymes Curr Top Biol Med Res** 1983;8:175–93

Psychopathology in the offspring of alcoholic parents. Steinhausen HC, et al. **J Am Acad Child Psychiatry** 1984 Jul;23(4):465–71

Alcohol abuse and attention deficit disorder. Manshadi M, et al. **J Clin Psychiatry** 1983 Oct;44(10):379–80

Differences in plasma cortisol after ingestion of ethanol in relatives of alcoholics and controls: preliminary results. Schuckit MA. **J Clin Psychiatry** 1984 Sep;45(9):374–6

Psychological factors of familial alcoholism in American Indians and Caucasians. Jones-Saumty D, et al. **J Clin Psychol** 1983 Sep;39(5):783–90

Familial alcoholism. Lanier DC. **J Fam Pract** 1984 Mar; 18(3):417–22

Ethanol dependence and the pituitary-adrenal axis in mice. I. Genotypic differences in hormone levels. Crabbe JC, et al. **Life Sci** 1983 Nov 7;33(19):1877–87

A study of HLA antigens in alcoholism. Robertson DM, et al. **Mayo Clin Proc** 1984 Apr;59(4):243–6

Pharmacogenetics of alcohol sensitivity. Goedde HW, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:161–6

Aldehyde dehydrogenase isozyme variation and alcoholism in Japan. Harada S, et al. **Pharmacol Biochem Behav** 1983; 18 Suppl 1:151–3

Alcohol sensitivity related to polymorphism of alcohol-metabolizing enzymes in Japanese. Mizoi Y, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:127–33

Pharmacogenetics of alcohol's CNS effect: implications for the etiology of alcoholism. Propping P. **Pharmacol Biochem Behav** 1983;18 Suppl 1:549–53

Effect of prenatal alcohol exposure on consumption of alcohol and alcohol-induced sleep time in mice. Randall CL, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:325–9

Biological markers: metabolism and acute reactions to alcohol in sons of alcoholics. Schuckit MA. **Pharmacol Biochem Behav** 1980;13 Suppl 1:9–16

HLA antigens as immunogenetic markers of alcoholism and alcoholic liver disease. Shigeta Y, et al. **Pharmacol Biochem Behav** 1980;13 Suppl 1:89–94

The polymorphisms of alcohol and aldehyde dehydrogenase and their significance for acetaldehyde toxicity. Von Wartburg JP, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:123–5

Current genetic and biological approaches to alcoholism. Murray RM, et al. **Psychiatr Dev** 1983 Summer;1(2):179–92

Family research and alcoholism. Goodwin J. **Recent Dev Alcohol** 1984;2:383–95

Event-related brain potentials in boys at risk for alcoholism. Begleiter H, et al. **Science** 1984 Sep 28;225(4669):1493–6

Alcoholism and crime: studies of adoptees. Bohman M. **Subst Alcohol Actions Misuse** 1983;4(2–3):137–47

Familial alcoholism: a separate entity? Goodwin DW. **Subst Alcohol Actions Misuse** 1983;4(2–3):129–36

[Inheritance and environment in alcohol abuse--an overview of current Swedish research] Bohman M, et al. **Lakartidningen** 1984 Jun 20;81(25):2509–13 **(Swe)**

HISTORY

Alcoholism and degeneration in 19th century European medicine and psychiatry. Bynum WF. **Br J Addict** 1984 Mar;79(1):59–70

'The cry of the children': the Edwardian medical campaign against maternal drinking. Gutzke DW. **Br J Addict** 1984 Mar;79(1):71–84

Research into the history of alcohol use and control in England and Wales: the available sources in the Public Record Office. Higgs EJ. **Br J Addict** 1984 Mar;79(1):41–7

The alcohol problem in America: from temperance to

alcoholism. Levine HG. **Br J Addict** 1984 Mar;79(1):109–19
'Curses of civilization': insanity and drunkenness in Victorian Britain. McCandless P. **Br J Addict** 1984 Mar;79(1):49–58
Obsessed with moderation: the drink trades and the drink question (1870–1930). Weir RB. **Br J Addict** 1984 Mar; 79(1):93–107
Cook Islanders' attitude toward excessive drinking of alcohol. Apeldoorn J. **Int J Addict** 1983 May;18(4):583–7
Alcohol and the fighting man—an historical review. Dunbar-Miller RA. **J R Army Med Corps** 1984 Feb; 130(1):12–5
[Changes in the pattern of the consumption of alcoholic beverages in Poland] Bielewicz A. **Psychiatr Pol** 1983 Mar–Apr;17(2):171–8 **(Pol)**
[Alcoholism as viewed by Dimitri Tucović] Lukić D. **Srp Arh Celok Lek** 1983 Mar;111(3):397–402 (Eng. Abstr.) **(Sec)**

IMMUNOLOGY

Polyclonal B cell activation in alcoholic patients with no evidence of liver dysfunction. Drew PA, et al. **Clin Exp Immunol** 1984 Aug;57(2):479–86
Immunological imbalance in uncomplicated chronic alcoholism. Bonanno G, et al. **Drug Alcohol Depend** 1983 Oct;12(2):189–96
[Malnutrition in chronic alcoholics with and without cirrhosis. Relation to immunologic abnormalities (letter)] Vuitton D, et al. **Presse Med** 1984 Jun 2;13(23):1459–60 **(Fre)**
[Circulating immune complexes in the serum of mental patients and healthy subjects] Vetlugina TP, et al. **Zh Nevropatol Psikhiatr** 1984;84(3):422–6 (Eng. Abstr.) **(Rus)**

METABOLISM

Abstracts of the XIV annual Nordic meeting on biological alcohol research. Rungstedgaard, Denmark, April 17–20, 1983. **Acta Pharmacol Toxicol (Copenh)** 1983;53 Suppl 2:34p.
Effect of chronic ethanol ingestion on liver and plasma protein synthesis in galactosamine-induced hepatitis in rats. Nadkarni GD, et al. **Acta Pharmacol Toxicol (Copenh)** 1983 Aug;53(2):92–5
A study of hepatic protein synthesis, three subcellular enzymes, and liver morphology in chronically ethanol fed rats. Smith-Kielland A, et al. **Acta Pharmacol Toxicol (Copenh)** 1983 Aug;53(2):113–20
Receptor hypothesis of the alcohol withdrawal state. Gillman MA, et al. **Adv Biochem Psychopharmacol** 1983;37:405–15 (84 ref.)
Effects of chronic ethanol treatment on lipid composition and prostaglandins in rats fed essential fatty acid deficient diets. Alling C, et al. **Alcoholism (NY)** 1984 Mar–Apr; 8(2):238–42
Clinical conditions and concentrations of MOPEG in the cerebrospinal fluid and urine of male alcoholic patients during withdrawal. Borg S, et al. **Alcoholism (NY)** 1983 Fall;7(4):411–5
Selenium and acute alcoholism. Dutta SK, et al. **Am J Clin Nutr** 1983 Nov;38(5):713–8
Folate turnover in alcoholism [letter] Halsted CH. **Am J Clin Nutr** 1984 Feb;39(2):343–4
Derangements of muscle composition, ion transport, and oxygen consumption in chronically alcoholic dogs. Ferguson ER, et al. **Am J Physiol** 1984 May;246(5 Pt 2):F700–9
Effect of chronic ingestion of ethanol on in vitro uptake of lipids and glucose in the rabbit jejunum. Thomson AB. **Am J Physiol** 1984 Feb;246(2 Pt 1):G120–9
The effect of chronic alcohol feeding on lipid peroxidation in microsomes: lack of relationship to hydroxyl radical generation. Shaw S, et al. **Biochem Biophys Res Commun** 1984 Jan 13;118(1):233–8
Ethanol metabolism in heavy drinkers after massive and moderate alcohol intake. Keiding S, et al. **Biochem Pharmacol** 1983 Oct 15;32(20):3097–102
Lipid composition of the synaptosome and erythrocyte membranes during chronic ethanol-treatment and withdrawal in the rat. la Droitte P, et al. **Biochem Pharmacol** 1984 Feb 15;33(4):615–24
Differential effect of chronic ethanol consumption by the rat on microsomal oxidation of hepatocarcinogens and their activation to mutagens. Smith BA, et al. **Biochem Pharmacol** 1984 Sep 15;33(18):2901–10
Glycogen content and activities of key glycolytic enzymes in muscle biopsies from control subjects and patients with chronic alcoholic skeletal myopathy. Martin FC, et al. **Clin Sci** 1984 Jan;66(1):69–78
Content of hepatic reduced glutathione in chronic alcoholic patients: influence of the length of abstinence and liver necrosis. Videla LA, et al. **Clin Sci** 1984 Mar;66(3):283–90
Pancreatic secretion after secretin and cholecystokinin stimulation in chronic alcoholics with and without cirrhosis. Renner IG, et al. **Dig Dis Sci** 1983 Dec; 28(12):1089–93
Altered mood and norepinephrine metabolism following withdrawal from alcohol. Lubman A, et al. **Drug Alcohol Depend** 1983 Aug;12(1):3–13
The effect of alcoholism on salsolinol and biogenic amines in human brain. Sjöquist B, et al. **Drug Alcohol Depend** 1983 Aug;12(1):15–23
The effect of long-term ethanol maternal ingestion and withdrawal on brain regional monoamine and amino acid precursors in 15-day-old rats. Mena MA, et al. **Gen Pharmacol** 1984;15(2):151–4
Duodenal total and ionised calcium secretion in normal subjects, chronic alcoholics, and patients with various stages of chronic alcoholic pancreatitis. Lohse J, et al. **Gut** 1984 Aug;25(8):874–80
Lipoprotein profiles in chronic alcoholics: use of high-density lipoprotein subspecies levels to differentiate subpopulations. Sabesin SM, et al. **Hepatology** 1984 Jul–Aug;4(4):737–8
Vitamin A utilization status in chronic alcoholic patients. Majumdar SK, et al. **Int J Vitam Nutr Res** 1983;53(3):273–9
Effects of alcoholism on acetaminophen pharmacokinetics in man. Dietz AJ Jr, et al. **J Clin Pharmacol** 1984 Apr; 24(4):205–8
Biology of disease. Alcoholism and aldehydism: new biomedical concepts. von Wartburg JP, et al. **Lab Invest** 1984 Jan;50(1):5–15
The leaky gut of alcoholism: possible route of entry for toxic compounds. Bjarnason I, et al. **Lancet** 1984 Jan 28; 1(8370):179–82
Chronic ethanol alters the receptor binding characteristics of the delta opioid receptor ligand, D-Ala2-D-Leu5 enkephalin in mouse brain. Hynes MD, et al. **Life Sci** 1983 Dec 5;33(23):2331–7
Ethanol dependence and the pituitary adrenal axis in mice. II. Temporal analysis of dependence and withdrawal. Keith LD, et al. **Life Sci** 1983 Nov 7;33(19):1889–97
A change in isoaccepting leucine transfer RNA species in rat brain after prolonged ingestion of ethanol. Mäenpää PH, et al. **Med Biol** 1983;61(6):313–8
Metabolism and metabolic effects of alcohol. Lieber CS. **Med Clin North Am** 1984 Jan;68(1):3–31 (227 ref.)
Lipid peroxidation in alcoholic myopathy and cardiomyopathy. García-Buñuel L. **Med Hypotheses** 1984 Feb;13(2):217–31 (91 ref.)
Long-term effects of ethanol consumption on folate status of monkeys. **Nutr Rev** 1983 Jul;41(7):226–8 (7 ref.)
Zonal redox changes as a cause of selective perivenular hepatotoxicity of alcohol. Baraona E, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:449–54
Control of adenine nucleotide translocation in liver mitochondria from ethanol-fed rats. Cunningham CC, et al. **Pharmacol Biochem Behav** 1980;13 Suppl 1:63–6
Studies of neurotransmitter interactions after acute and chronic ethanol administration. Hunt WA, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:371–4
Neurochemical correlates of tolerance and strain differences in the neurochemical effects of ethanol. Kiianmaa K, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:383–8
Alcohol, liver injury and protein metabolism. Lieber CS. **Pharmacol Biochem Behav** 1980;13 Suppl 1:17–30
Monoamine and metabolite levels in CNS regions of the P line of alcohol-preferring rats after acute and chronic ethanol treatment. Murphy JM, et al. **Pharmacol Biochem Behav** 1983 Nov;19(5):849–56
Effects of ethanol on protein synthesis and secretion. Rothschild MA, et al. **Pharmacol Biochem Behav** 1980;13 Suppl 1:31–6
Effect of acute and chronic ethanol consumption on hepatic tissue oxygen tension in rats. Sato N, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:443–7
Differential effects of acute and chronic ethanol treatment on particular opioid peptide systems in discrete regions of rat brain and pituitary. Seizinger BR, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:361–9
Ethanol acceptance as a function of genotype amounts of brain [Met]enkephalin. Blum K, et al. **Proc Natl Acad Sci USA** 1983 Nov;80(21):6510–2
Toward an analogue of alcoholism in mice: scale factors in the model. Dole VP, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(11):3543–6
Changes in cortical synaptosomal plasma membrane fluidity and composition in ethanol-dependent rats. Crews FT, et al. **Psychopharmacology (Berlin)** 1983;81(3):208–13
Computerized biochemical profiles for alcoholism [letter] Hamer RM. **Psychosomatics** 1983 Jul;24(7):659, 663
Effect of ethanol on hepatic secretory proteins. Tuma DJ, et al. **Recent Dev Alcohol** 1984;2:159–80
The psychobiology of alcoholism. International symposium, Beverly Hills, California, January 16–18, 1983. **Subst Alcohol Actions Misuse** 1983;4(2–3):67–234
Alcohol and central nervous system peptides. Blum K. **Subst Alcohol Actions Misuse** 1983;4(2–3):73–87
Thiamin—the interaction of aging, alcoholism, and malabsorption in various populations. Baum RA, et al. **World Rev Nutr Diet** 1984;44:85–116 (150 ref.)
[Pharmacokinetics and metabolism of acetaminophen in normal, alcoholic and cirrhotic subjects] Villeneuve JP, et al. **Gastroenterol Clin Biol** 1983 Nov;7(11):898–902 (Eng. Abstr.) **(Fre)**
[Phospho-calcium metabolism and bone histomorphometry in chronic alcoholism. Apropos of 25 cases] Duquesnoy B, et al. **Rev Rhum Mal Osteoartic** 1984 Feb;51(2):75–80 (Eng. Abstr.) **(Fre)**
[Effect of chronic alcohol abuse on water-electrolyte balance as well as lipid metabolism] Wehling M, et al. **Schweiz Rundsch Med Prax** 1984 May 1;73(18):587–90 (Eng. Abstr.) **(Ger)**
[Effect of alcoholization on the serotonin levels of the brain and the rate of ethanol elimination in rat progeny] Burov IuV, et al. **Farmakol Toksikol** 1983 Nov-Dec;46(6):51–3 (Eng. Abstr.) **(Rus)**
[Concentrations of protein sulfhydryl and amino groups in the brain during acute and chronic alcoholic intoxication] Kozlov NB, et al. **Ukr Biokhim Zh** 1983 Jul–Aug; 55(4):437–40 (Eng. Abstr.) **(Rus)**
[Biochemical disturbances in the chronic use of alcohol and ways to correct them] Maksimovich IaB, et al. **Ukr Biokhim Zh** 1983 Nov-Dec;55(6):643–6 (Eng. Abstr.) **(Rus)**
[Effect of ethanol on the concentration of serotonin in the brain of the rat and the excretion of 5-hydroxyindoleacetic acid] Totkova AM. **Ukr Biokhim Zh** 1984 Mar–Apr; 56(2):157–61 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Jejunal microflora in patients with chronic alcohol abuse. Bode JC, et al. **Hepatogastroenterology** 1984 Feb;31(1):30–4
[Ethanol, viruses and interferon in experimental models in vitro and in vivo] Libíková H, et al. **Cesk Psychiatr** 1984 Apr;80(2):107–16 (Eng. Abstr.) **(Slo)**

MORTALITY

Major determinants of premature mortality in middle-aged urban males. Alcohol-related deaths and degree of participation in a preventive population program against alcohol and its complications. Petersson B, et al. **Am J Epidemiol** 1984 Aug;120(2):265–72
Violent deaths among alcoholics. A descriptive study. Combs-Orme T, et al. **J Stud Alcohol** 1983 Nov; 44(6):938–49
Leads from the MMWR. Alcohol-related deaths—United States, 1968 to 1978. **JAMA** 1984 Jan 13;251(2):185–6
Alcohol-related deaths—United States, 1968–1978. **MMWR** 1983 Dec 23;32(50):649–51
One-year drinking history and mortality. Poikolainen K, et al. **Prev Med** 1983 Sep;12(5):709–14
[New mortality studies on alcoholics] Hackl H. **Lebensversicherungsmedizin** 1983 Aug 26;35(7):156–60 (Eng. Abstr.) **(Ger)**
[Availability, consumption of alcoholic beverages and alcohol-related mortality in Italy] Modonutti GB, et al. **Minerva Med** 1984 Apr 14;75(16):871–9 (Eng. Abstr.) **(Ita)**
[Causes of death in chronic alcoholism] Krasil'nikov GT, et al. **Zh Nevropatol Psikhiatr** 1984;84(2):254–6 (Eng. Abstr.) **(Rus)**
[Life expectancy of the problem drinker in Santiago, Chile. II. Estimation of the number of deaths] Naveillan P, et al. **Bol Of Sanit Panam** 1984 Mar;96(3):222–8 (Eng. Abstr.) **(Spa)**
[Life expectancy of problem-drinkers in Santiago, Chile. III. Estimation of specific mortality rates] Naveillan P, et al. **Bol Of Sanit Panam** 1984 Apr;96(4):334–41 (Eng. Abstr.) **(Spa)**

OCCURRENCE

Randomized response estimates of problem use of alcohol among employed females. Volicer BJ, et al. **Alcoholism (NY)** 1983 Summer;7(3):321–6
Epidemiology of alcoholism and prospects for treatment. Nace EP. **Annu Rev Med** 1984;35:293–309 (60 ref.)
Alcohol problems among women working in the home: prevalence and predictors. Chetwynd SJ, et al. **Aust NZ J Psychiatry** 1983 Sep;17(3):259–64
Objective determination of benzodiazepine use and abuse in alcoholics. Busto U, et al. **Br J Addict** 1983 Dec; 78(4):429–35
Effect of economic changes on Scottish drinking habits 1978–82. Kendell RE, et al. **Br J Addict** 1983 Dec; 78(4):365–79
Increasing alcohol consumption correlated with hospital admission rates. Poikolainen K. **Br J Addict** 1983 Sep; 78(3):305–9
Alcohol consumption levels in Costa Rica. Míguez HA. **Bull Pan Am Health Organ** 1983;17(4):396–406
Mapping the severity of alcohol and drug problems in Ontario. Adrian M. **Can J Public Health** 1983 Sep–Oct; 74(5):335–42
Regional variations in alcohol related problems within the United Kingdom. Haskey JC, et al. **Community Med** 1983 Aug;5(3):208–19
Reported prevalence of alcohol dependence in South-Verona: a case register study. Garzotto N, et al. **Compr Psychiatry** 1984 Jul–Aug;25(4):438–45
Validity and reliability of the Michigan alcoholism screening test: a review. Gibbs LE. **Drug Alcohol Depend** 1983 Nov; 12(3):279–85
Are epidemiological and sociological surveys a proper instrument for detecting true problem drinkers? (The low sensitivity of an alcohol survey in Rotterdam). Muider PG, et al. **Int J Epidemiol** 1983 Dec;12(4):442–4
Chart review of alcohol problems in adolescent psychiatric patients in an emergency room. Reichler BD, et al. **J Clin Psychiatry** 1983 Sep;44(9):338–9
Prevalence of alcoholism in a family practice center. Leckman AL, et al. **J Fam Pract** 1984 Jun;18(6):867–70
Alcoholism in the families of family practice outpatients. Leckman AL, et al. **J Fam Pract** 1984 Aug;19(2):205–7
Chronicity of drinking problems among men: a longitudinal

study. Fillmore KM, et al. **J Stud Alcohol** 1984 May; 45(3):228–36
Alcohol problems among employed men and women in metropolitan Detroit. Parker DA, et al. **J Stud Alcohol** 1983 Nov;44(6):1026–39
National study of the demography of adolescent drinking practices in 1980. Zucker RA, et al. **J Stud Alcohol** 1983 Nov;44(6):974–85
Alcoholism in physicians. Niven RG, et al.
Mayo Clin Proc 1984 Jan;59(1):12–6
Alcohol abuse in prisoners [letter] White R, et al.
Med J Aust 1984 Jul 7;141(1):65
The prevalence of alcoholism in a Veterans Administration medical center. Remer SG. **Milit Med** 1983 Sep; 148(9):735–9
[Incidence of alcoholism in a general practice office in a large city] Kreyssig M, et al. **Z Arztl Fortbild (Jena)** 1983; 77(17):735–8 **(Ger)**
[Sociopsychological case control study of 50 subjects with alcoholic dependence syndrome (ADS)] Gallimberti L, et al. **Minerva Psichiatr** 1983 Jan–Mar;24(1):25–32 (Eng. Abstr.) **(Ita)**
[Epidemiological study of alcoholism in Japan] Saito M, et al. **Seishin Shinkeigaku Zasshi** 1983;85(8):481–5 **(Jpn)**
[Epidemiology of alcoholism] Pinto Correia J.
Acta Med Port 1984 Apr–May;5(4–5):141–50 (41 ref.) (Eng. Abstr.) **(Por)**
[Patterns of drinking in Mexicans. Results of a WHO research study] Calderón Narváez G.
Acta Psiquiatr Psicol Am Lat 1983 Sep;29(3):193–206 (Eng. Abstr.) **(Spa)**
[Life expectancy of the problem drinker in Santiago, Chile. I. Methodological and population aspects] Naveillan P, et al. **Bol Of Sanit Panam** 1984 Feb;96(2):160–7 (Eng. Abstr.) **(Spa)**
[Alcoholism and drug addiction in the child and the adolescent] Florenzano Urzúa R. **Rev Chil Pediatr** 1984 Mar–Apr;55(2):128–33 (Eng. Abstr.) **(Spa)**
[Abnormal drinking of workers in a mine of the Gran Minería del Cobre] Vega MS, et al. **Rev Med Chil** 1983 Feb; 111(2):193–200 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Development of intraductal protein plugs in rats fed with ethanol for 18 months. Papp M, et al.
Acta Morphol Hung 1984;32(1):31–5
Central pontine myelinolysis with extrapontine lesions. Oda Y, et al. **Acta Pathol Jpn** 1984 Mar;34(2):403–10
A comparison of cerebral atrophy in CT scan findings among alcoholic groups. Ishii T. **Acta Psychiatr Scand [Suppl]** 1983;309:1–30
Pancreatic fibrosis in chronic alcoholics and nonalcoholics without clinical pancreatitis. Pitchumoni CS, et al.
Am J Gastroenterol 1984 May;79(5):382–8
Electron microscopic observation on osteocytes of chronically alcoholized rats. Lorenz R, et al.
Arch Orthop Trauma Surg 1983;102(2):118–22
Acute pancreatic necrosis in chronic alcoholic pancreatitis. Machado MC, et al. **Dig Dis Sci** 1984 Aug;29(8):709–13
Morphologic changes of the esophageal mucosa in the rat after chronic alcohol ingestion. Mascrès C, et al.
Exp Pathol 1984;25(3):147–53
Neuritic plaque–like structures in the rat cerebellum following prolonged alcohol consumption. Paula–Barbosa MM, et al. **Experientia** 1984 Jan 15;40(1):110–2
Biochemical and morphological alterations of baboon hepatic mitochondria after chronic ethanol consumption. Arai M, et al. **Hepatology** 1984 Mar–Apr;4(2):165–74
Alterations in endothelial fenestrations in liver sinusoids of baboons fed alcohol: a scanning electron microscopic study. Mak KM, et al. **Hepatology** 1984 May–Jun;4(3):386–91
Investigation of the organelle pathology of skeletal muscle in chronic alcoholism. Martin FC, et al. **J Clin Pathol** 1984 Apr;37(4):448–54
Morphological alterations in rat CA1 hippocampal pyramidal cell dendrites resulting from chronic ethanol consumption and withdrawal. McMullen PA, et al. **J Comp Neurol** 1984 May 1;225(1):111–8
A morphometric Golgi analysis of the Purkinje cell dendritic tree after long–term alcohol consumption in the adult rat. Tavares MA, et al. **J Neurocytol** 1983 Dec;12(6):939–48
Prospective evaluation of alcohol abuse and alcoholic liver injury in men as predictors of development of cirrhosis. Sørensen TI, et al. **Lancet** 1984 Aug 4;2(8397):241–4
Dendritic spine plasticity and chronic alcoholism in rats. Tavares MA, et al. **Neurosci Lett** 1983 Dec 11;42(3):235–8
Alcohol–induced mitochondrial changes in the liver. Gordon ER. **Recent Dev Alcohol** 1984;2:143–58
Sequential changes from minimal pancreatic inflammation to advanced alcoholic pancreatitis. Noronha M, et al.
Z Gastroenterol 1983 Nov;21(11):666–73
[Comparative microscopy studies of the brain of alcoholics and controls] Schuck M, et al. **Beitr Gerichtl Med** 1983; 41:49–52 (Eng. Abstr.) **(Ger)**
[A follow–up study on the liver in alcoholics] Ichinohe A. **Nippon Shokakibyo Gakkai Zasshi** 1983 Dec;80(12):2547–55 (Eng. Abstr.) **(Jpn)**
[Autopsy of a case of alcoholic cerebellar degeneration] Matsushita M, et al. **Seishin Shinkeigaku Zasshi** 1983; 85(9):542–60 (Eng. Abstr.) **(Jpn)**
[Morphology and morphogenesis of chronic gastritis in patients with alcoholism] Lebedev SP, et al. **Arkh Patol** 1984;46(2):44–50 (Eng. Abstr.) **(Rus)**
[Mechanism of sideroblastic changes in the bone marrow of alcoholic patients] Shapiro IuL, et al. **Klin Med (Mosk)** 1983 Sep;61(9):99–104 (13 ref.) (Eng. Abstr.) **(Rus)**
[Morphology of the brain and heart in alcoholic psychoses] Paukov VS, et al. **Zh Nevropatol Psikhiatr** 1983; 83(7):1061–6 (Eng. Abstr.) **(Rus)**
[Characteristics of the brain lesion in experimental alcoholism in young animals] Sidorov PI, et al.
Zh Nevropatol Psikhiatr 1984;84(7):1034–8 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

The benzodiazepine/GABA receptor complex during severe ethanol intoxication and withdrawal in the rat. Hemmingsen R, et al. **Acta Psychiatr Scand** 1982 Feb; 65(2):120–6
EEG abnormalities in chronic alcoholism related to age. Jóhannesson G, et al. **Acta Psychiatr Scand** 1982 Feb; 65(2):148–57
Repolarization alternans associated with alcoholism and hypomagnesemia. Reddy CV, et al. **Am J Cardiol** 1984 Jan 15;53(2):390–1
Alcohol and renal function [letter] De Marchi S, et al.
Ann Intern Med 1984 Jul;101(1):145
P300 latency in chronic alcoholics and depressed patients. A preliminary report. Johnson R Jr, et al.
Ann NY Acad Sci 1984;425:585–91
Alcoholism, organicity and event–related potentials. Skerchock JA, et al. **Ann NY Acad Sci** 1984;425:623–8
The role of alcohol in new–onset atrial fibrillation [letter] Spodick DH. **Arch Intern Med** 1984 Apr;144(4):862–3
Adrenomedullary responses to acute and chronic ethanol administration to rats. Guaza C, et al.
Biochem Pharmacol 1983 Oct 15;32(20):3091–5
Influence of chronic ethanol treatment on alpha1–adrenergic and vasopressin receptor–stimulated phosphatidylinositol synthesis in isolated rat hepatocytes. Smith TL, et al.
Biochem Pharmacol 1983 Oct 15;32(20):3059–62
Laterality shift in alcoholic males. Nasrallah HA, et al.
Biol Psychiatry 1983 Sep;18(9):1065–7
Intranigral muscimol suppresses ethanol withdrawal seizures. Gonzalez LP, et al. **Brain Res** 1984 Apr 23;298(1):163–6
The effect of abstinence on left ventricular performance in asymptomatic chronic alcoholics. Slutsky R, et al.
Cardiovasc Intervent Radiol 1983;6(3):154–9
Effects of age and alcohol abuse on pattern reversal visual evoked potentials. Kelley JT, et al.
Clin Electroencephalogr 1984 Apr;15(2):102–9
Peripheral nerve conduction, visual evoked potentials and vitamin B1 serum level in chronic alcoholics. Posthuma J, et al. **Clin Neurol Neurosurg** 1983;85(4):267–72
Impairment of smooth pursuit eye movement in chronic alcoholics. Kobatake K, et al. **Eur Neurol** 1983;22(6):392–6
Chronic ethanol–induced decreases in the response of dentate granule cells to perforant path input in the rat. Abraham WC, et al. **Exp Brain Res** 1984;54(3):406–14
Conditioned abstinence in alcoholics: a controlled experiment. Eriksen L, et al. **Int J Addict** 1984 May; 19(3):287–94
Effect of ethanol infusion on the pituitary–testicular responsiveness to gonadotropin releasing hormone and thyrotropin releasing hormone in normal males and in chronic alcoholics presenting with hypogonadism. Bertello P, et al. **J Endocrinol Invest** 1983 Dec;6(6):413–20
Parasympathetic denervation of the iris in alcoholics with vagal neuropathy. Tan ET, et al.
J Neurol Neurosurg Psychiatry 1984 Jan;47(1):61–4
Defining the membrane pathology produced by chronic alcohol consumption [editorial] Harris RA. **Lab Invest** 1984 Feb;50(2):113–4
Chronic alcoholism and hypertension [letter] Thulin T, et al. **Lancet** 1984 Jan 21;1(8369):168–9
Ethanol consumption and blood pressure. Chan TC, et al.
Life Sci 1983 Nov 14;33(20):1965–73
Alcoholic hypoglycemia and ketoacidosis. Williams HE.
Med Clin North Am 1984 Jan;68(1):33–8 (12 ref.)
Glucose tolerance and B cell function in chronic alcoholism: its relation to hepatic histology and exocrine pancreatic function. Andersen BN, et al. **Metabolism** 1983 Nov; 32(11):1029–32
Impairment of cognitive functioning in alcoholics. Tamkin AS. **Milit Med** 1983 Oct;148(10):793–5
Effects of carnitine on changes caused by chronic administration of alcohol. Corbett R, et al.
Neuropharmacology 1984 Feb;23(2B):269–71
A functional study of the hypophysis–testis axis in chronic non–cirrhotic alcoholics. Re M, et al. **Panminerva Med** 1984 Jan–Mar;26(1):23–6
Changes in the rhesus monkey's EEG responses to ethanol during chronic exposure. Altshuler HL, et al.
Pharmacol Biochem Behav 1980;13 Suppl 1:233–40
Auditory brainstem response study of alcoholic patients. Chu NS, et al. **Pharmacol Biochem Behav** 1980;13 Suppl 1:241–4
Alcohol–related electrophysiology. Siggins GR, et al.
Pharmacol Biochem Behav 1980;13 Suppl 1:203–11
Neurobiological relationships between aging and alcohol abuse. Freund G. **Recent Dev Alcohol** 1984;2:203–21
Alcohol consumption and premature aging. A critical review. Ryan C, et al. **Recent Dev Alcohol** 1984;2:223–50
Cholinergic stimulation and inhibition of pancreatic secretion in alcohol–adapted dogs. Schmidt DN, et al.
Scand J Gastroenterol 1983 May;18(3):425–31
Intragastric self–infusion of ethanol by ethanol–preferring and –nonpreferring lines of rats. Waller MB, et al.
Science 1984 Jul 6;225(4657):78–80
[Physiopathology of the brain during physical dependence on ethanol] Hemmingsen R. **Nord Med** 1983; 98(8–9):198–201 (Eng. Abstr.) **(Dan)**
[Effect of central effective substances on alcohol preference] Andreas K, et al. **Biomed Biochim Acta** 1983;42(4):391–8 (Eng. Abstr.) **(Ger)**
[Disorders of erythropoiesis and the immune system caused by alcohol. 1. Erythropoiesis] Heidemann E, et al.
Fortschr Med 1983 Sep 15;101(35):1578–82 **(Ger)**
[Neuroendocrine and neurovegetative evaluation of alcoholic patients: initial experiences] Camerlingo M, et al.
Riv Neurobiol 1983 Apr–Sep;29(2–3):280–90 (Eng. Abstr.) **(Ita)**
[Correlations of hepatic injury, peripheral neuropathy, cerebral injury and epileptic crisis in chronic alcoholics] Garello L, et al. **Riv Neurobiol** 1983 Apr–Sep; 29(2–3):256–62 (Eng. Abstr.) **(Ita)**
[Metabolic disorder syndrome in alcoholism. Neurophysiologic study of motor conduction velocity, motor conduction sensitivity and auditory, visual and somato–sensory evoked potentials in 23 cases] Ubiali E, et al. **Riv Neurobiol** 1983 Apr–Sep;29(2–3):263–8 (Eng. Abstr.) **(Ita)**
[Echocardiographic evaluation of cardiac involvement in patients with chronic alcoholism] Houda N, et al.
J Cardiogr 1983 Sep;13(3):551–70 (Eng. Abstr.) **(Jpn)**
[Alcoholism and neuroendocrinology, with special reference to pituitary hormones and alcohol] Kato N, et al.
Nippon Rinsho 1983 May;41(5):1048–53 (55 ref.) **(Jpn)**
[Effect of testosterone on ethanol oxidation during chronic alcoholism in castrated rats] Lakoza GN, et al.
Farmakol Toksikol 1983 Sep–Oct;46(5):82–6 (Eng. Abstr.) **(Rus)**
[Structural and functional interrelations of the hematopoietic and immunocompetent cells of the bone marrow of alcoholism patients] Kushnir RI. **Gematol Transfuziol** 1984 Apr;29(4):17–9 (Eng. Abstr.) **(Rus)**
[Clinico–experimental study of the reactions of the cardiovascular system to alcohol depending on the consumption regimen] Kononiachenko VA, et al.
Kardiologiia 1983 Jul;23(7):102–3 **(Rus)**
[Functional characteristics of the left ventricle of rabbits in experimental arterial hypertension in chronic alcoholic intoxication] Frolov VA, et al. **Patol Fiziol Eksp Ter** 1984 Jan–Feb;(1):50–2 (Eng. Abstr.) **(Rus)**
[Changes in the lungs as affected by acute and chronic ethanol intoxication] Leitin AL. **Sud Med Ekspert** 1984 Jan–Mar;27(1):43–5 (65 ref.) **(Rus)**
[Indices of liver function in patients with chronic alcoholism] Skakun NP, et al. **Vrach Delo** 1983 Jul;(7):38–40 **(Rus)**
[Effect of ethanol on components of the nonspecific startle reaction in man] Volynkina GIu, et al.
Zh Nevropatol Psikhiatr 1984;84(4):596–600 (Eng. Abstr.) **(Rus)**
[Elaboration of a conditioned reflex in chronic alcoholics using an unrecognizable motivationally significant word] Genkina OA, et al. **Zh Vyssh Nerv Deiat** 1983 Nov–Dec; 33(6):1010–8 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Bromocriptine in the prevention of alcohol abuse. Borg V.
Acta Psychiatr Scand 1983 Aug;68(2):100–10
Anthropological overview of substance abuse. A social policy prevention approach. Bell P. **Ala J Med Sci** 1984 Apr;21(2):162–5
Alcohol abuse and alcoholism. The psychologist's role in prevention, research, and treatment. Mayer W.
Am Psychol 1983 Oct;38(10):1116–21 (0 ref.)
Failures in alcoholism and drug dependence prevention and learning from the past. Mider PA. **Am Psychol** 1984 Feb; 39(2):183–4
Failures in alcoholism prevention. Reichman W.
Am Psychol 1984 Feb;39(2):183
Alcohol control and public health. Room R.
Annu Rev Public Health 1984;5:293–317 (117 ref.)
Action on alcohol abuse. **Br J Addict** 1983 Dec;78(4):337–8
Secondary prevention of alcoholism and the Centres d'Hygiène Alimentaire. Chick J. **Br J Addict** 1984 Jun; 79(2):221–5
Conversation with Max Glatt [interview] Glatt M.
Br J Addict 1983 Sep;78(3):231–43
The World Health Organization and alcohol control. Room R. **Br J Addict** 1984 Mar;79(1):85–92
A review of the problem–prevention approach to drinking problems and an alternative programme which makes use of natural preventive resources within the community. Yates F, et al. **Br J Addict** 1983 Dec;78(4):355–64
How effective is the standard dose of disulfiram? A review of the alcohol–disulfiram reaction in practice. Brewer C.
Br J Psychiatry 1984 Feb;144:200–2
Evaluation of a structured alcohol education course in a secondary school system in north Italy. Salvagnini M, et al. **Drug Alcohol Depend** 1983 Oct;12(2):181–8
A model school–based comprehensive alcohol/drug abuse prevention program. Holsaple R, et al.
J Fla Med Assoc 1984 Apr;71(4):233–4
Physicians at risk. Some epidemiologic considerations of alcoholism, drug abuse, and suicide. Keeve JP.

J Occup Med 1984 Jul;26(7):503–8
International perspectives on alcohol as a public health issue. Single E. **J Public Health Policy** 1984 Jun;5(2):238–56
Evaluation of the CASPAR alcohol education curriculum. DiCicco L, et al. **J Stud Alcohol** 1984 Mar;45(2):160–9
Three approaches to alcohol education. Goodstadt MS, et al. **J Stud Alcohol** 1983 Mar;44(2):362–80
Measuring the success of occupational alcoholism programs. Kurtz NR, et al. **J Stud Alcohol** 1984 Jan;45(1):33–45
New evidence on controlling alcohol use through price. Levy D, et al. **J Stud Alcohol** 1983 Nov;44(6):929–37
Alcohol as a social drug and health hazard. Comfort A. **Lancet** 1984 Feb 25;1(8374):443–4
Alcohol abuse in Australia [letter] Santamaria JN, et al. **Med J Aust** 1983 Oct 29;2(9):417–8
Action on alcohol abuse [letter] Wodak AD. **Med J Aust** 1984 Feb 4;140(3):177
Alcohol abuse [letter] **NZ Med J** 1984 Mar 14;97(751):165
Alcohol abuse [letter] Caughey JE. **NZ Med J** 1984 Feb 8;97(749):89
Alcoholism: a world view. Mayer W. **Subst Alcohol Actions Misuse** 1983;4(2–3):199–204
A survey of findings on the economic and regulatory determinants of the demand for alcoholic beverages. Ornstein SI. **Subst Alcohol Actions Misuse** 1984;5(1):39–44
The problem of alcoholism in the Commonwealth Caribbean. Beaubrun MH. **West Indian Med J** 1984 Mar;33(1):1–2
Alcohol control policies: a public health issue revisited. **WHO Chron** 1983;37(5):169–71
[Collaboration between a food hygiene center (FHG) and a hospital alcoholism unit] Hillemand B. **Bull Acad Natl Med (Paris)** 1983 Jan;167(1):75–81 (Eng. Abstr.) **(Fre)**
[A French experiment: a law for alcoholics presumed to be dangerous] Richou H, et al. **Drug Alcohol Depend** 1983 Aug;12(1):61–8 (Eng. Abstr.) **(Fre)**
[Centers and consultation in the field of nutritional hygiene: medicosocial structures in the control of alcoholism in France] Zourbas J, et al. **Sem Hop Paris** 1983 Sep 22; 59(33):2347–53 (Eng. Abstr.) **(Fre)**
[25 years of compulsory treatment of alcoholics in Poland] Zmudzki A, et al. **Psychiatr Pol** 1983 Mar–Apr; 17(2):147–57 **(Pol)**
[Public information media in Bosnia and Herzegovina and the prevention of dependency diseases] Omanić A. **Lijec Vjesn** 1984 Feb–Mar;106(2–3):74–7 **(Scr)**
[Experiences from the Malmö study. Secondary prevention of alcoholism] Kristenson H. **Nord Med** 1983;98(8–9):196–8 (Eng. Abstr.) **(Swe)**

PSYCHOLOGY

Dimensions of psychopathology among alcoholic patients, college students, prison inmates and general psychiatric patients. Chan DW. **Acta Psychiatr Scand** 1984 Jul; 70(1):50–61
Alcohol-abusing teenage boys. Testing a hypothesis on the relationship between alcohol abuse and social background factors, criminality and personality in teenage boys. Rydelius PA. **Acta Psychiatr Scand** 1983 Nov;68(5):368–80
Alcohol-abusing teenage boys. Testing a hypothesis on alcohol abuse and personality factors, using a personality inventory. Rydelius PA. **Acta Psychiatr Scand** 1983 Nov; 68(5):381–5
Salivation to drinking cues in alcohol abusers: toward the validation of a physiological measure of craving. Cooney NL, et al. **Addict Behav** 1984;9(1):91–4
Heart rate responsivity to a high intensity auditory stimulus: a comparison of male alcoholics and normal controls. Knott VJ, et al. **Addict Behav** 1984;9(2):201–5
Addictive behaviors among hospitalized psychiatric patients. O'Farrell TJ, et al. **Addict Behav** 1983;8(4):329–33
Factors in addiction and the psychological dynamics of personality deterioration. Clark T. **Ala J Med Sci** 1984 Apr; 21(2):158–62
Attitudes about addiction. The need for change. Rubin R. **Ala J Med Sci** 1984 Apr;21(2):156–8
Substance abuse and the professional provider. The need for new attitudes about addiction. Talbott GD. **Ala J Med Sci** 1984 Apr;21(2):150–5
Alcoholism, anxiety disorders, and agoraphobia. Bowen RC, et al. **Alcoholism (NY)** 1984 Jan–Feb;8(1):48–50
Social networks of alcoholics: some early findings. Favazza AR, et al. **Alcoholism (NY)** 1984 Jan–Feb;8(1):9–15
Family system variables in alcoholism. Kaufman E. **Alcoholism (NY)** 1984 Jan–Feb;8(1):4–8
Bimanual tactual discrimination in aging alcoholics. Oscar-Berman M, et al. **Alcoholism (NY)** 1983 Fall; 7(4):398–403
Age and alcoholism: independent memory decrements. Riege WH, et al. **Alcoholism (NY)** 1984 Jan–Feb;8(1):42–7
Drugs, drinking, and adolescence. Macdonald DI. **Am J Dis Child** 1984 Feb;138(2):117–25 (67 ref.)
Grief and alcohol. Blankfield A. **Am J Drug Alcohol Abuse** 1982–83;9(4):435–46
Cognitive impairment and other psychological scores derived from the content analysis of speech in detoxified male chronic alcoholics. Gottschalk LA, et al. **Am J Drug Alcohol Abuse** 1982–83;9(4):447–60
Failure of nonlinear models of drinking history variables to predict neuropsychological performance in alcoholics. Adams KM, et al. **Am J Psychiatry** 1984 May;141(5):663–7
Cognitive impairment in chronic alcoholics. Some cause for optimism. Goldman MS. **Am Psychol** 1983 Oct; 38(10):1045–54 (76 ref.)
Is alcoholism different from other substance abuse? [letter] Peele S. **Am Psychol** 1983 Aug;38(8):963–5
Correction: Al Anon for associates of alcoholics [letter] Rakatansky H. **Ann Intern Med** 1984 Aug;101(2):284
Aging, abstinence, and medical risk factors in the prediction of neuropsychologic deficit among long-term alcoholics. Grant I, et al. **Arch Gen Psychiatry** 1984 Jul;41(7):710–8
Familial distribution of alcohol use: II. Assortative mating of alcoholic probands. Hall RL, et al. **Behav Genet** 1983 Jul;13(4):373–82
Alcoholism and the involvement of psychiatry. **Br J Addict** 1983 Sep;78(3):245–50
Drinking in longitudinal perspective: career and natural history. Edwards G. **Br J Addict** 1984 Jun;79(2):175–83
Alcohol dependence and responsivity to an ethanol stimulus as predictors of alcohol consumption. Kaplan RF, et al. **Br J Addict** 1983 Sep;78(3):259–67
An instrument for measuring coping behaviours in hospitalized alcoholics: implications for relapse prevention treatment. Litman GK, et al. **Br J Addict** 1983 Sep; 78(3):269–76
Alcohol and food abuse: some comparisons. Scott DW. **Br J Addict** 1983 Dec;78(4):339–49
The relationship between cognitive function and liver function in alcoholism. Everett PS. **Br J Psychiatry** 1984 May;144:521–4
A study of the relationship between child abuse and drug addiction in 178 patients: preliminary results. Cohen FS, et al. **Child Abuse Negl** 1982;6(4):383–7
Clinical differences between antisocial and primary alcoholics. Cadoret R, et al. **Compr Psychiatry** 1984 Jan–Feb;25(1):1–8
Social anxiety and substance abuse in affective disorders. Pilkonis PA, et al. **Compr Psychiatry** 1981 Sep–Oct; 22(5):451–7
Evidence for clinical heterogeneity in antisocial alcoholics. Whitters A, et al. **Compr Psychiatry** 1984 Mar–Apr; 25(2):158–64
Exploration of the relationship between frequency of illness, attrition from alcohol treatment, neuropsychological status and field dependence. Calsyn DA, et al. **Drug Alcohol Depend** 1983 Dec;12(4):363–9
Symmetry and complementarity in the alcoholic marriage: a pilot study. Magni G. **Drug Alcohol Depend** 1983 Jun; 11(3–4):373–81
Self-administration of ethanol by genetically heterogeneous mice (RU:NCS): relationship to sensitivity and tolerance. Millard WJ. **Drug Alcohol Depend** 1983 Dec;12(4):333–8
Self assessment of social competence in situations with and without alcohol by female alcoholics in treatment. Rist F, et al. **Drug Alcohol Depend** 1983 Jun;11(3–4):367–71
Cognitive functioning of alcoholic females: an exploratory study. Sparadseo FR, et al. **Drug Alcohol Depend** 1983 Oct; 12(2):143–50
MMPI subtypes and antisocial behaviors in adolescent alcohol and drug abusers. Sutker PB, et al. **Drug Alcohol Depend** 1984 May;13(3):235–44
Dietary choices and likelihood of abstinence among alcoholic patients in an outpatient clinic. Yung L, et al. **Drug Alcohol Depend** 1983 Dec;12(4):355–62
Alcohol misuse and abuse among the elderly. Lamy PP. **Drug Intell Clin Pharm** 1984 Jul–Aug;18(7–8):649–51 (43 ref.)
Academic achievement of psychotic or alcoholic patients. Karlsson JL. **Hereditas** 1983;99(1):69–72
Impression management and testing for control locus in an alcoholic sample. Costello RM, et al. **Int J Addict** 1984 Feb;19(1):45–56
The alcoholic stigma and the disease concept. Dean JC, et al. **Int J Addict** 1983 Jul;18(5):739–51
'Never believe an alcoholic'? On the validity of self-report measures of alcohol dependence and related constructs. Hesselbrock M, et al. **Int J Addict** 1983 Jul;18(5):593–609
Homosexuality as a cause of alcoholism: a historical review. Israelstam S, et al. **Int J Addict** 1983 Dec;18(8):1085–107
A comparison of parental and adolescent MMPIs as related to substance use. Klinge V. **Int J Addict** 1983 Dec; 18(8):1179–85
Body image of drug and alcohol abusers. Leventhal G. **Int J Addict** 1983 Aug;18(6):791–804
Drug and alcohol abuse among the elderly: is being alone the key? Brown BB, et al. **Int J Aging Hum Dev** 1983–84; 18(1):1–12
Revised ipsative comparison tables for the summary and localization scales of the Luria–Nebraska Neuropsychological Battery. Moses JA Jr. **Int J Neurosci** 1983 Sep;20(3–4):189–92
Comparison of the reinforcing properties of zopiclone and triazolam in former alcoholics. Bechelli LP, et al. **Int Pharmacopsychiatry** 1982;17 Suppl 2:235–41
Is memory impairment greater than cognitive impairment in moderate chronic alcoholics? Capitani E, et al. **Ital J Neurol Sci** 1983 Dec;4(4):443–9
Hopelessness in alcohol- and heroin-dependent women. Beck AT, et al. **J Clin Psychol** 1984 Mar;40(2):602–6
Young and old alcoholics: some personality differences. Delatte JG Jr, et al. **J Clin Psychol** 1984 Mar;40(2):613–6
Cross-validation of the State-Trait Anxiety Inventory with an alcoholic population. Donham GW, et al. **J Clin Psychol** 1984 Mar;40(2):629–31
MMPI Dependency Scale norms for alcoholics and psychiatric inpatients. Evans RG. **J Clin Psychol** 1984 Jan; 40(1):345–6
Anxiety in an alcoholic population: a normative study. Ludenia K, et al. **J Clin Psychol** 1984 Jan;40(1):356–8
Sex-role affiliation among male alcoholics. Penick EC, et al. **J Clin Psychol** 1984 Jan;40(1):359–63
Neuropsychological test performance and hypnotic susceptibility. Query WT, et al. **J Clin Psychol** 1983 Sep; 39(5):804–6
Stability of psychological test results in newly admitted alcoholics. Sherer M, et al. **J Clin Psychol** 1984 May; 40(3):855–7
Reliability and validity of the short mast among psychiatric inpatients. Zung BJ. **J Clin Psychol** 1984 Jan;40(1):347–50
Verbal and visuospatial performance in male alcoholics: a test of the premature-aging hypothesis. Shelton MD, et al. **J Consult Clin Psychol** 1984 Apr;52(2):200–6
An analysis of 100 consecutively admitted alcohol and drug patients. McKemie WF Sr, et al. **J Med Assoc Ga** 1983 Dec;72(12):833–5
Learning to associate names and faces. Impaired acquisition on an ecologically relevant memory task by male alcoholics. Becker JT, et al. **J Nerv Ment Dis** 1983 Oct; 171(10):617–23
Effects of gender and alcoholism on verbal and visual-spatial learning. Fabian MS, et al. **J Nerv Ment Dis** 1984 Jan; 172(1):16–20
Differential patterns of alcohol abuse among normal, neurotic, psychotic, and characterological types. Robyak JE, et al. **J Pers Assess** 1984 Apr;48(2):132–6
The MMPI and problem drinking: statistical controls and multifactor criteria. Snowden LR, et al. **J Pers Assess** 1984 Jun;48(3):271–8
The impact of combat on later alcohol use by Vietnam veterans. Helzer JE. **J Psychoactive Drugs** 1984 Apr–Jun; 16(2):183–91
Reception of nonverbal communication in alcoholics. Giannini AJ, et al. **J Psychol** 1984 Mar;116(2d Half):241–4
Locus of control and treatment outcome in alcoholics. Abbott MW. **J Stud Alcohol** 1984 Jan;45(1):46–52
Attitudes of New Zealand general practitioners to alcohol-related problems. Casswell S, et al. **J Stud Alcohol** 1983 Mar;44(2):342–51
Psychophysiological measures from intoxicated and detoxified alcoholics. Cohen MJ, et al. **J Stud Alcohol** 1983 Mar;44(2):271–82
Personality typology of men and women alcoholics in relation to etiology and prognosis. Conley JJ, et al. **J Stud Alcohol** 1983 Nov;44(6):996–1010
Correlates of loss of control over drinking in women alcoholics. Fortin MT, et al. **J Stud Alcohol** 1983 Sep; 44(5):787–96
Personality differences between alcoholics anonymous members and nonmembers. Hurlburt G, et al. **J Stud Alcohol** 1984 Mar;45(2):170–1
Personality characteristics of alcoholic children of alcoholics. McKenna T, et al. **J Stud Alcohol** 1983 Jul;44(4):688–700
Alcohol misuse as a response to perceived powerlessness in the organization. Markowitz M. **J Stud Alcohol** 1984 May; 45(3):225–7
Constitutional factors predictive of alcoholism in a follow-up of delinquent boys. Monnelly EP, et al. **J Stud Alcohol** 1983 May;44(3):530–7
The process of recovery from alcoholism: III. Comparing functioning in families of alcoholics and matched control families. Moos RH, et al. **J Stud Alcohol** 1984 Mar; 45(2):111–8
Personality types of alcoholics on objective inventories. A review. Nerviano VJ, et al. **J Stud Alcohol** 1983 Sep; 44(5):837–51
Psychosocial correlates of alcohol and drug use of adolescent students and adolescents in treatment. Pandina RJ, et al. **J Stud Alcohol** 1983 Nov;44(6):950–73
Alcoholic denial: a biopsychological interpretation. Tarter RE, et al. **J Stud Alcohol** 1984 May;45(3):214–8
The relationship of beliefs about controlled drinking to recidivism in alcoholic men. Watson CG, et al. **J Stud Alcohol** 1984 Mar;45(2):172–5
Stress experiences and drinking histories of elderly drunken-driving offenders. Wells-Parker E, et al. **J Stud Alcohol** 1983 May;44(3):429–37
Alcoholics' and nonalcoholics' attributions of control of future life events. Wright MH, et al. **J Stud Alcohol** 1984 Mar;45(2):138–43
Spouses of alcoholics [letter] Crawford RJ. **NZ Med J** 1983 Jul 13;96(735):545
Pictorial misrepresentation of spatial relations of the face by certain chronic alcoholic men: an interpretation implicating spatial aspects of memory. Pontius AA. **Percept Mot Skills** 1983 Dec;57(3 Pt 1):895–910
Alcohol-preferring rats in colonies show withdrawal, inactivity, and lowered dominance. Ellison G, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:565–70
Motivational properties of ethanol in naive rats as studied by place conditioning. van der Kooy D, et al. **Pharmacol Biochem Behav** 1983 Sep;19(3):441–5
Comparison of the reinforcing properties of zopiclone and triazolam in former alcoholics. Bechelli LP, et al. **Pharmacology** 1983;27 Suppl 2:235–41
Intoxication and sobriety. Implications for the understanding of multiple personality. Ludwig AM.

Psychiatr Clin North Am 1984 Mar;7(1):161–9
Alcohol, drugs, and forensic psychiatry. Ojesjö L.
Psychiatr Clin North Am 1983 Dec;6(4):733–49
Association of alcoholism and antisocial personality in a narcotic-dependent population: the Lexington addicts. Lewis CE, et al. **Psychiatry Res** 1983 Sep;10(1):31–46
Alcoholism and logical consistency of personal constructs. Chambers W, et al. **Psychol Rep** 1984 Jun;54(3):882
Prediction of susceptibility to substance dependency. Mefferd RB Jr. **Psychol Rep** 1984 Jun;54(3):769–70
On the internal consistency of the beta II. Panitz DR, et al. **Psychol Rep** 1984 Jun;54(3):755–8
Validity of the Revised Beta Examination and a short-form Beta for hospitalized alcoholics. Panitz DR, et al.
Psychol Rep 1983 Dec;53(3 Pt 1):751–6
Self-reinforcement, locus of reward and task maintenance, and alcoholism. Rozensky RH, et al. **Psychol Rep** 1984 Feb; 54(1):151–5
Alcoholics' personalities: extravert or introvert? Tarnai J, et al. **Psychol Rep** 1983 Aug;53(1):123–7
Effects of ethanol on cigarette smoking by volunteers without histories of alcoholism. Henningfield JE, et al.
Psychopharmacology (Berlin) 1984;82(1–2):1–5
Contributions from anthropology to the study of alcoholism. Overview. Bennett LA. **Recent Dev Alcohol** 1984;2:303–11
Aging and alcohol problems. Opportunities for sociоepidemiological research. Douglass RL.
Recent Dev Alcohol 1984;2:251–66
Social models of drinking behavior in animals. The importance of individual differences. Ellison GD, et al.
Recent Dev Alcohol 1984;2:17–36
Life stressors and problem drinking among older adults. Finney JW, et al. **Recent Dev Alcohol** 1984;2:267–88
Alcohol use in the perspective of cultural ecology. Gordon AJ. **Recent Dev Alcohol** 1984;2:355–75
Selected contexts of anthropological studies in the alcohol field. Introduction. Heath DB. **Recent Dev Alcohol** 1984; 2:377–81
Cross-cultural studies of alcohol use. Heath DB.
Recent Dev Alcohol 1984;2:405–15
Ethnohistory and alcohol studies. Hill TW.
Recent Dev Alcohol 1984;2:313–37
Commentary on the utility of experimental social and learning models of alcoholism. Holloway FA, et al.
Recent Dev Alcohol 1984;2:81–90
Social-network considerations in the alcohol field. Maida CA. **Recent Dev Alcohol** 1984;2:339–53
A conditioning model of alcohol tolerance. Melchior CL, et al. **Recent Dev Alcohol** 1984;2:5–16
Alcohol-ingestive habits. The role of flavor and effect. Sherman J, et al. **Recent Dev Alcohol** 1984;2:59–79
Cross-cultural aspects of alcoholism in the elderly. Westermeyer J. **Recent Dev Alcohol** 1984;2:289–99
Belligerence in alcohol dependence. Løberg T.
Scand J Psychol 1983;24(4):285–92
A prospective longitudinal study of abusers of alcohol granted disability pension. Hörnquist JO, et al.
Scand J Soc Med 1983;11(3):91–6
Attitudes to alcohol consumption: the attribution of addiction. Furnham A, et al. **Soc Sci Med** 1984;18(8):673–81
The psychobiology of alcoholism. International symposium, Beverly Hills, California, January 16–18, 1983.
Subst Alcohol Actions Misuse 1983;4(2–3):67–234
Second Annual Toxicology Conference, October 19–20, 1983. Substance Abuse Conference, 20–21, 1983. Abstracts.
Subst Alcohol Actions Misuse 1983;4(2–3):237–61
Alcohol and suicide. Kendall RE.
Subst Alcohol Actions Misuse 1983;4(2–3):121–7
Cognitive dysfunction and recovery in alcoholics. Parsons OA. **Subst Alcohol Actions Misuse** 1983;4(2–3):175–90
Saturday night live: chronicity of alcohol consumption among college students. Rabow J, et al.
Subst Alcohol Actions Misuse 1984;5(1):1–7
Definitions, models, and methods in research on sociocultural factors in American Indian alcohol use. Walker RD, et al. **Subst Alcohol Actions Misuse** 1984;5(1):9–19
Alcoholism and depression. Winokur G.
Subst Alcohol Actions Misuse 1983;4(2–3):111–9
Understanding the disease in alcoholism. Nace EP.
Tex Med 1983 Dec;79(12):36–9
[The image of women in a therapy group of alcoholics and neurotics] Haumonté MT, et al.
Ann Med Psychol (Paris) 1984 Jan;142(1):47–60 (Eng. Abstr.) (Fre)
[Events in the lives of 120 chronic alcoholics. Preliminary study] Tatossian A, et al. **Ann Med Psychol (Paris)** 1983 Sep–Oct;141(8):825–41 (Eng. Abstr.) (Fre)
[Relation between alcoholism and psychopathology] Adès J. **Presse Med** 1984 Apr 7;13(15):915–8 (Fre)
[Behavior of the young in relation to drugs and alcohol] Kandel DB. **Psychiatr Enfant** 1983;26(2):565–629 (Fre)
[Critical life events as risk factors for alcoholism] Reinecker H, et al. **Arch Psychiatr Nervenkr** 1983;233(4):333–46 (Eng. Abstr.) (Ger)
[Alcoholics—the unloved patients] Luderer HJ.
Fortschr Med 1984 May 3;102(17):72–3 (Ger)
[The social network of the alcoholic] Angermeyer MC, et al. **Psychother Psychosom Med Psychol** 1984 Jan;34(1):1–9 (Eng. Abstr.) (Ger)
[Neuropsychologic study in alcoholism with and without neurologic complications] Perrone P, et al.
Riv Neurobiol 1983 Apr–Sep;29(2–3):291–7 (Eng. Abstr.) (Ita)
[Handwriting, alcoholism and depression] Belin CJ.
Seishin Shinkeigaku Zasshi 1983;85(8):496–9 (Jpn)
[Psychological defense mechanisms in the clinical picture of alcoholism] Bekhtel' EE. **Zh Nevropatol Psikhiatr** 1984; 84(2):244–9 (Eng. Abstr.) (Rus)
[Various features of the emotional behavior of animals with pronounced alcoholic motivation] Burov IuV, et al.
Zh Vyssh Nerv Deiat 1983 Sep–Oct;33(5):941–5 (Eng. Abstr.) (Rus)
[Transcultural comparison of habits and attitudes associated with alcohol consumption in 2 rural zones of Honduras and Mexico] Natera G, et al.
Acta Psiquiatr Psicol Am Lat 1983 Jun;29(2):116–27 (Eng. Abstr.) (Spa)

RADIOGRAPHY

Differences in cerebral asymmetries related to drinking history and ethnicity. A computerized axial tomography (CAT) scan study. McShane D, et al. **J Nerv Ment Dis** 1984 Sep;172(9):529–32
Increased cerebral ventricular volume in monozygotic twins discordant for alcoholism. Gurling HM, et al. **Lancet** 1984 May 5;1(8384):986–8

REHABILITATION

Side effects after disulfiram. Comparison of disulfiram and placebo in a double-blind multicentre study. Christensen JK, et al. **Acta Psychiatr Scand** 1984 Apr;69(4):265–73
Psychosocial processes of recovery among alcoholics and their families: implications for clinicians and program evaluators. Billings AG, et al. **Addict Behav** 1983; 8(3):205–18
Urging the alcoholic client to quit smoking cigarettes. Bobo JK, et al. **Addict Behav** 1983;8(3):297–305
Employment factors in outpatient recovery of alcoholics: a multivariate study. Braunstein WB, et al. **Addict Behav** 1983;8(4):345–51
Predictors of relapse: interaction of drinking-related locus of control and reasons for drinking. Kivlahan DR, et al. **Addict Behav** 1983;8(3):273–6
Can disulfiram use precipitate urges to drink alcohol? Nirenberg TD, et al. **Addict Behav** 1983;8(3):311–3
Increasing attendance at alcohol aftercare using calendar prompts and home based contracting. Ossip-Klein DJ, et al. **Addict Behav** 1984;9(1):85–9
Assessing disulfiram compliance: validational study of an abbreviated breath test procedure. Rychtarik RG, et al. **Addict Behav** 1983;8(4):361–8
A comparison of cessation strategies for the outpatient alcoholic. Telch MJ, et al. **Addict Behav** 1984;9(1):103–9
Motivation for drinkers and treatment outcome: a study of personal and nonpersonal effects drinkers. Brissett D, et al. **Am J Drug Alcohol Abuse** 1984;10(1):113–24
A pragmatic alcoholism treatment outcome scale. Schuckit MA, et al. **Am J Drug Alcohol Abuse** 1984;10(1):125–31
Effect of patient recognition of tranquilizers on their use in alcohol detoxification. Francis DA, et al.
Am J Hosp Pharm 1984 Mar;41(3):488–92
Depression in the abstinent alcoholic. Behar D, et al.
Am J Psychiatry 1984 Sep;141(9):1105–7
Self-help groups for parents of young drug and alcohol abusers. Galanter M, et al. **Am J Psychiatry** 1984 Jul; 141(7):889–91
Plasma lipoprotein changes during abstinence in chronic alcoholics. Weidman SW, et al. **Atherosclerosis** 1984 Aug; 52(2):151–66
Cue exposure and response prevention with alcoholics: a controlled trial. Rankin H, et al. **Behav Res Ther** 1983; 21(4):435–46
Management problems in a small hostel with a controlled drinking programme. Gilligan T, et al. **Br J Addict** 1983 Sep;78(3):277–90
Situations related to alcoholism relapse. Litman GK, et al. **Br J Addict** 1983 Dec;78(4):381–9
Survival methods in the evaluation of the outcome of alcoholism treatment. Poikolainen K. **Br J Addict** 1983 Dec;78(4):403–7
Employee assistance programming: in search of effective interventions for the problem-drinking employee. Walker K, et al. **Br J Addict** 1983 Sep;78(3):291–303 (65 ref.)
An investigation of pre-admission referral activity to three residential units with a related commentary on the pattern and range of services for problem drinkers. Yates FE, et al. **Br J Addict** 1983 Dec;78(4):391–402
Effects of alcohol rehabilitation treatment on health and performance of Navy enlisted men. Kolb D, et al.
Drug Alcohol Depend 1983 Jun;11(3–4):309–19
Which detoxified alcoholic keeps the first clinic appointment? Shen WW, et al. **Drug Alcohol Depend** 1983 Jun; 11(3–4):353–8
Evaluation of an inpatient alcohol rehabilitation programme. Smith DI. **Drug Alcohol Depend** 1983 Jun;11(3–4):333–52
Retention of driving-under-the-influence offenders in alcoholism treatment. Steer RA. **Drug Alcohol Depend** 1983 Aug;12(1):93–6
Relapse rates for former clients of alcoholism rehabilitation units who are drinking without symptoms. Welte JW, et al. **Drug Alcohol Depend** 1983 Aug;12(1):25–9
The addiction hospital: current status and an assessment. Westermeyer J. **Drug Alcohol Depend** 1984 Mar;13(2):133–7
Reducing attrition from conjoint therapy with alcoholic couples. Zweben A, et al. **Drug Alcohol Depend** 1983 Jun; 11(3–4):321–31
Alcoholism rehabilitation: a supportive approach. Berger F. **Hosp Community Psychiatry** 1983 Nov;34(11):1040–3
Controlled drinking [letter] Erickson RC.
Hosp Community Psychiatry 1983 Oct;34(10):968–9
Disulfiram and encephalopathy [letter] Wilson WH.
Hosp Community Psychiatry 1984 May;35(5):496–7
A treatment outcome study of alcohol halfway house residents in the south Bronx. Baskin D, et al.
Int J Addict 1983 May;18(4):551–8
Agreement between alcoholics and relatives when reporting follow-up status. Verinis JS. **Int J Addict** 1983 Aug; 18(6):891–94
Ward atmosphere as a factor in irregular discharge from an alcohol rehabilitation unit. Verinis JS. **Int J Addict** 1983 Aug;18(6):895–9
Cranial electrotherapy stimulation treatment of cognitive brain dysfunction in chemical dependence. Schmitt R, et al. **J Clin Psychiatry** 1984 Feb;45(2):60–1, 62–3
Disulfiram implantation: a dose response trial. Wilson A, et al. **J Clin Psychiatry** 1984 Jun;45(6):242–7
Spouse contracting to increase antabuse compliance in alcoholic veterans. Keane TM, et al. **J Clin Psychol** 1984 Jan;40(1):340–4
Prediction of attrition in alcoholic aftercare by scores on the Embedded Figures Test and two Piagetian tasks. Erwin JE, et al. **J Consult Clin Psychol** 1984 Jun;52(3):354–8
Effective early intervention for adolescents harmfully involved in alcohol and drugs. Hoogerman D, et al.
J Fla Med Assoc 1984 Apr;71(4):227–32
Impaired physicians program. Support groups. Canavan DI.
J Med Soc NJ 1983 Nov;80(11):953–4
The employee as client: perceptions of a work-based alcohol treatment program. Googins B, et al.
J Psychoactive Drugs 1984 Apr–Jun;16(2):161–8
Alcohol and Australian industry. Gay JE.
J R Soc Health 1984 Jun;104(3):91–5
The relationship of MMPI subtype membership to demographic variables and treatment outcome among substance misusers. Filstead WJ, et al. **J Stud Alcohol** 1983 Sep;44(5):917–22
Effects of supervisory style and experientially based frames of reference on organizational alcoholism programs. Hoffman E, et al. **J Stud Alcohol** 1984 May;45(3):260–7
The engagement of new residents: a missing dimension in the evaluation of halfway houses for problem drinkers. Velleman R. **J Stud Alcohol** 1984 May;45(3):251–9
An approach to alcoholism in a university medical center complex. Spickard WA, et al. **JAMA** 1984 Oct 12; 252(14):1894–7
Treating the intoxicated adolescent. A need for comprehensive services. Stephenson JN, et al. **JAMA** 1984 Oct 12;252(14):1884–8
The Manchester detoxification service. Description and evaluation. Kessel N, et al. **Lancet** 1984 Apr 14; 1(8381):839–42
Comparison of chlormethiazole (Heminevrin) and chlordiazepoxide (Librium) in the treatment of acute alcohol withdrawal. Lapierre YD, et al.
Neuropsychobiology 1983;10(2–3):127–30
Biochemical and hematological consequences of posttreatment drinking behavior in male alcoholics. Eckardt MJ, et al. **Psychiatry Res** 1983 Jun;9(2):139–48
Efficacy of clonidine in treatment of alcohol withdrawal state. Wilkins AJ, et al. **Psychopharmacology (Berlin)** 1983; 81(1):78–80
Linking treatment centers with alcoholics anonymous. Kurtz LF. **Soc Work Health Care** 1984 Spring;9(3):85–94
Helping alcoholics. Keiter RH. **Va Med** 1983 Nov; 110(11):657–61
Office treatment of alcoholism. Schuckit MA.
West J Med 1983 Sep;139(3):361–2
[3 years of taking charge of alcoholic patients within the framework of a psychiatric district] Sabourin A.
Sem Hop Paris 1984 Apr 5;60(15):1068–71 (Eng. Abstr.) (Fre)
[Alcohol and drugs: a continuous matter of concern] Mahadevan M. **Seishin Shinkeigaku Zasshi** 1983; 85(8):477–80 (Jpn)
[Participation of the clinical psychologist in the overall complex treatment of alcoholism] Khudik VA.
Zh Nevropatol Psikhiatr 1983;83(12):1869–70 (Rus)

THERAPY

Should alcohol withdrawal seizures be treated with anti-epileptic drugs? Hillbom ME, et al.
Acta Neurol Scand 1984 Jan;69(1):39–42
Addictive behaviors and life problems before and after behavioral treatment of problem drinkers. Miller WR, et al. **Addict Behav** 1983;8(4):403–12
Self-help large-group therapy for alcoholism: a controlled study. Galanter M. **Alcoholism (NY)** 1984 Jan–Feb; 8(1):16–23
Physicians in alcoholism: a study of current status and future needs. Galanter M, et al. **Alcoholism (NY)** 1983 Fall; 7(4):389–92
Alcoholism treatment: new options for social intervention. Paredes A. **Alcoholism (NY)** 1984 Mar–Apr;8(2):165–6
Cultural level interventions in the arena of alcoholism. Pattison EM. **Alcoholism (NY)** 1984 Mar–Apr;8(2):160–4

Community intervention in the treatment of alcoholism. Shore JH, et al. **Alcoholism (NY)** 1984 Mar–Apr;8(2):151–9
Predicting treatment outcome after ten years among American Indian alcoholics. Westermeyer J, et al. **Alcoholism (NY)** 1984 Mar–Apr;8(2):179–84
Medical–behavioral treatment of the older alcoholic patient. Wiens AN, et al. **Am J Drug Alcohol Abuse** 1982–83; 9(4):461–75
Prospective study of alcoholism treatment. Eight–year follow–up [letter] Frawley PJ. **Am J Med** 1984 May; 76(5):A85
Abstinence from alcohol in long–term individual psychotherapy with alcoholics. Dodes LM. **Am J Psychother** 1984 Apr;38(2):248–56
Assertions regarding effectiveness of treatment for alcoholism. Fact or fantasy? Emrick CD, et al. **Am Psychol** 1983 Oct;38(10):1078–88 (77 ref.)
The controlled–drinking controversy. A commentary. Marlatt GA. **Am Psychol** 1983 Oct;38(10):1097–110 (60 ref.)
The Federal role in research, treatment, and prevention of alcoholism. Matsunaga S. **Am Psychol** 1983 Oct; 38(10):1111–5 (0 ref.)
The expanding scope of alcoholism treatment evaluation. Moos RH, et al. **Am Psychol** 1983 Oct;38(10):1036–44 (60 ref.)
Treatment outcome and patient characteristics in an aversion therapy program for alcoholism. Wiens AN, et al. **Am Psychol** 1983 Oct;38(10):1089–96 (7 ref.)
Taste–aversion retention: an animal experiment with implications for consummatory–aversion alcoholism treatments. Elkins RL. **Behav Res Ther** 1984;22(2):179–86
The aftermath of heresy: a response to Pendery et al.'s (1982) critique of 'Individualized Behavior Therapy for Alcoholics'. Sobell MB, et al. **Behav Res Ther** 1984; 22(4):413–40
Conversation with David Archibald [interview] Archibald HD. **Br J Addict** 1984 Jun;79(2):131–7
Understanding the nature of investigations into alleged fraud in alcohol research: a reply to Walker and Roach. Doob AN. **Br J Addict** 1984 Jun;79(2):169–74
Facing the common enemy. Levine HG. **Br J Addict** 1983 Dec;78(4):352–3
Alcoholism and the involvement of psychiatry, commentaries on BJA editorial. A view from India. Mohan D. **Br J Addict** 1983 Dec;78(4):351
What future for the multidisciplinary approach to alcohol problems? Saunders J. **Br J Addict** 1984 Jun;79(2):129–30
Under the microscope yet again: a commentary on Walker and Roach's critique of the Dickens Committee's enquiry into our research. Sobell MB, et al. **Br J Addict** 1984 Jun; 79(2):157–68
A critique of the report of the Dickens' enquiry into the controlled drinking research of the Sobells. Walker KD, et al. **Br J Addict** 1984 Jun;79(2):147–74
Treating alcoholism: can Canadian centres cope? [letter] **Can Med Assoc J** 1984 May 1;130(9):1103–4
Alcoholism: education and treatment [letter] **Can Med Assoc J** 1984 Jul 15;131(2):98–9
Treating alcoholism: can Canadian centres cope? Korcok M. **Can Med Assoc J** 1983 Nov 1;129(9):1016–22
Clinical therapy of alcoholism. Neubuerger OW, et al. **Curr Psychiatr Ther** 1983;22:169–76
The treatment requests of alcoholics. Louie AK, et al. **Drug Alcohol Depend** 1983 Dec;12(4):395–402
Breaking the 'detox–loop' for alcoholics with social detoxification. Richman A, et al. **Drug Alcohol Depend** 1984 Jan;13(1):65–73
Follow–up attrition in alcohol treatment studies: is 'no news' bad news, good news or no news? Sobell LC, et al. **Drug Alcohol Depend** 1984 Jan;13(1):1–7
Detoxifying and treating a woman who has been unable to stop drinking. Frances A, et al. **Hosp Community Psychiatry** 1984 Jul;35(7):675–6, 678
Early intervention in alcoholism: confrontational techniques. Twerski AJ. **Hosp Community Psychiatry** 1983 Nov; 34(11):1027–30
Survey of studies on alcoholism. Cooper SE. **Int J Addict** 1983 Oct;18(7):971–85 (118 ref.)
Return for service analysis over 4 years for 100 alcoholics. Costello RM, et al. **Int J Addict** 1983 Dec;18(8):1131–43
Predicting alcoholism service needs from a National Treatment Utilization Survey. Ford WE, et al. **Int J Addict** 1983 Dec;18(8):1073–84
Predicting alcoholism manpower needs. Ford WE, et al. **Int J Addict** 1983 Dec;18(8):1049–62
Minority alcoholism programs: issues in service delivery models. Maypole DE, et al. **Int J Addict** 1983 Oct; 18(7):987–1001
Evaluating alcoholism treatment programs: considerations and caveats. Singer M. **Int J Addict** 1983 Dec;18(8):1145–55
Differential stress reduction: preliminary application to an alcohol–abusing population. Spoth R. **Int J Addict** 1983 Aug;18(6):835–49
Anxiety as a factor in continuance and dropout in treatment. Wilson EN, et al. **Int J Addict** 1983 May;18(4):577–82
Group therapy with alcoholics: a group case study. Vannicelli M, et al. **Int J Group Psychother** 1984 Jan; 34(1):127–47
Skid row alcoholism—an objective definition for use in detoxification and treatment planning. Halikas JA, et al. **J Clin Psychiatry** 1984 May;45(5):214–6
Development and validation of an automatic treatment referral system. Alfano AM, et al. **J Clin Psychol** 1984 May; 40(3):842–50
Clinical and statistical issues related to predicting therapeutic outcome. Ghiselli WB. **J Clin Psychol** 1983 Sep;39(5):651–7
Broad–spectrum behavioral treatment for chronic alcoholics: effects of training controlled drinking skills. Foy DW, et al. **J Consult Clin Psychol** 1984 Apr;52(2):218–30
Speaking to and about patients: predicting therapists' tone of voice. Rosenthal R, et al. **J Consult Clin Psychol** 1984 Aug;52(4):679–86
Random assignment to abstinence and controlled drinking: evaluation of a cognitive–behavioral program for problem drinkers. Sanchez–Craig M, et al. **J Consult Clin Psychol** 1984 Jun;52(3):390–403
Length of stay, neuropsychological performance, and aftercare: influences on alcohol treatment outcome. Walker RD, et al. **J Consult Clin Psychol** 1983 Dec;51(6):900–11
Treatment of late–life onset alcohol abuse. Dupree LW, et al. **J Fla Med Assoc** 1984 Apr;71(4):267–9
Some reflections on black alcoholism treatment [editorial] Watts TD, et al. **J Natl Med Assoc** 1984 Feb;76(2):101–2
Relationship of patient characteristics to program attendance by women alcoholics. Bander KW, et al. **J Stud Alcohol** 1983 Mar;44(2):318–27
The influence of self–concept on outcomes of intensive alcoholism treatment. Cooper SE. **J Stud Alcohol** 1983 Nov;44(6):1087–93
Alcohol and drug dependency in Saskatchewan, 1969–1974. D'Arcy C, et al. **J Stud Alcohol** 1983 Jul;44(4):630–46
Willingness of graduate social work students to treat alcoholics; a replication study. Duxbury RA. **J Stud Alcohol** 1983 Jul;44(4):748–53
A nationwide examination of the need for specific alcoholism treatment programs for the elderly. Janik SW, et al. **J Stud Alcohol** 1983 Mar;44(2):307–17
Relapse among alcoholics who are alcoholism counselors. Kinney J. **J Stud Alcohol** 1983 Jul;44(4):744–8
A longitudinal analysis of patient characteristics at a private alcoholism hospital. Knowles P, et al. **J Stud Alcohol** 1983 May;44(3):524–9
Inpatient versus outpatient treatment of substance misuse in hospitals, 1975–1980. Knowles PL. **J Stud Alcohol** 1983 Mar;44(2):384–7
Problems in a treatment program for substance misuse. The process of reorganizing into assessment teams and modules. Lacoursiere RB, et al. **J Stud Alcohol** 1983 Jul;44(4):647–64
Cost effectiveness of alcoholism treatment in partial vs inpatient settings. Six–month outcomes. Longabaugh R, et al. **J Stud Alcohol** 1983 Nov;44(6):1049–71
Early alcoholism treatment: the Emmanuel Movement and Richard Peabody. McCarthy K. **J Stud Alcohol** 1984 Jan; 45(1):59–74
Some effective therapeutic factors in group cognitive–behavioral therapy with problem drinkers. Oei TP, et al. **J Stud Alcohol** 1984 Mar;45(2):119–23
Services for the families of alcoholics. A survey of treatment agencies in Massachusetts. Regan JM, et al. **J Stud Alcohol** 1983 Nov;44(6):1072–82
Left–handed versus right–handed alcoholics; an examination of relapse patterns. Smith V, et al. **J Stud Alcohol** 1983 May;44(3):553–5
Alcoholism, biofeedback and internal scanning. Tarbox AR. **J Stud Alcohol** 1983 Mar;44(2):246–61
Elderly alcoholics in a general medicine practice. Powers JS, et al. **J Tenn Med Assoc** 1984 Jul;77(7):397–400
Prognosis of physicians treated for alcoholism and drug dependence. Morse RM, et al. **JAMA** 1984 Feb 10; 251(6):743–6
Learning to treat those with alcohol problems [news] Simmons K. **JAMA** 1984 Oct 12;252(14):1830–1, 1835
Experience with pregnant problem drinkers [letter] Singh RK. **JAMA** 1983 Nov 4;250(17):2287
Alcoholism treatment today. Donovan J, et al. **NC Med J** 1984 Feb;45(2):75–6
Clinical symptomatology and computer analyzed EEG before, during and after anxiolytic therapy of alcohol withdrawal patients. Saletu M, et al. **Neuropsychobiology** 1983;9(2–3):119–34
Report of a pilot project on the outpatient treatment of alcohol problems [letter] Lanham RJ, et al. **NY State J Med** 1984 May;84(5):231
Changes in education for professionals interested in the treatment of alcohol problems [letter] Knight ML. **NZ Med J** 1983 Dec 14;96(745):1031
Alcoholism. Images, impairments, interventions. Hill PS. **Postgrad Med** 1983 Nov;74(5):87–91, 95, 99
Carbamazepine in alcohol withdrawal syndromes and schizophrenic psychoses. Ballenger JC, et al. **Psychopharmacol Bull** 1984 Summer;20(3):572–84 (120 ref.)
Alcoholism–treatment–center–based projects. Waddell JO. **Recent Dev Alcohol** 1984;2:397–404
Family therapy in the treatment of alcoholism. Anderson SC, et al. **Soc Work Health Care** 1983 Summer;8(4):79–94
Analysis of the suitability of alcohol treatment resources for women. Beckman LJ. **Subst Alcohol Actions Misuse** 1984; 5(1):21–7
Barriers to treatment of alcoholic women. Vannicelli M. **Subst Alcohol Actions Misuse** 1984;5(1):29–37
Urban and rural Indian drinking patterns: implications for intervention policy development. Weibel–Orlando J, et al. **Subst Alcohol Actions Misuse** 1984;5(1):45–57
[Alcohol connected consultations in a psychiatric admission department] Aggernaes H, et al. **Ugeskr Laeger** 1984 Feb 13;146(7):538–42 (Eng. Abstr.) **(Dan)**
[Patterns of first referrals to out–patient clinics for alcoholics in Aarhus 1972–73 and 1982] Munk–Jørgensen P, et al. **Ugeskr Laeger** 1984 Apr 9;146(15):1162–5 (Eng. Abstr.) **(Dan)**
[Control of the effectiveness of hospitalization and follow–up of the alcoholic patient. Apropos of 430 patients with a mean recession of 37 months] Baille N, et al. **Ann Med Psychol (Paris)** 1983 Jun;141(6):682–97 **(Fre)**
[Socioeconomic factors intervening in the treatment of alcoholics. A description of the therapeutic sequence] Neuberg P. **Bull Soc Sci Med Grand Duche Luxemb** 1983; 120(2):31–6 **(Fre)**
[Community short–term therapy of addicts as influenced by the identity of the insurer—the East Bremen example] Spengler C. **Psychiatr Prax** 1984 Jan;11(1):26–31 (Eng. Abstr.) **(Ger)**
[Ego psychological aspects in the psychotherapy of alcoholics] Ruff W. **Psychother Psychosom Med Psychol** 1983 Sep;33(5):175–8 (Eng. Abstr.) **(Ger)**
[The physician face to face with the alcohol–abusing patient] Casacchia M. **Clin Ter** 1984 May 15;109(3):277–82 **(Ita)**
[Treatment of alcoholism] Entin GM. **Klin Med (Mosk)** 1983 Sep;61(9):134–42 (5 ref.) **(Rus)**
[Somatic pathology in patients with contagious forms of syphilis and alcoholism and their treatment] Kliuvaeva NM. **Vestn Dermatol Venerol** 1983 Oct;(10):71–4 (Eng. Abstr.) **(Rus)**
[Exercise therapy—a variant of behavior therapy in patients with early variants of alcoholism] Lapitskil FG, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 Sep–Oct;(5):40–2 (Eng. Abstr.) **(Rus)**
[Use of conditioned reflex therapy combined with teturam administration in chronic alcoholism] Krylovskil AP, et al. **Zh Nevropatol Psikhiatr** 1984;84(2):259–61 (Eng. Abstr.) **(Rus)**
[The treatment of alcoholism in the framework of a general hospital] Batlle E, et al. **Actas Luso Esp Neurol Psiquiatr** 1984 Jan–Feb;12(1):11–6 **(Spa)**

ALCOHOLS

Benefits of alcohol rediscovered. Beck WC. **AORN J** 1984 Aug;40(2):172–6
The influence of n–alkanols on the capacity per unit area of planar lipid bilayers. Elliott JR, et al. **Biochim Biophys Acta** 1984 Jun 13;773(1):165–8
Anesthetic–protein interaction. Random versus helix polylysine monolayers and interaction with 1–alkanols. Shibata A, et al. **Biochim Biophys Acta** 1984 May 30; 772(3):383–92
[Identification of drugs by means of the alcohol, aldehyde and ketone type products of their acidic and oxidative decomposition] Brantner A, et al. **Acta Pharm Hung** 1983 Sep;53(5):229–35 (Eng. Abstr.) **(Hun)**

ADMINISTRATION & DOSAGE

Phenol alcohol technique for permanent matricectomy. Siegle RJ, et al. **Arch Dermatol** 1984 Mar;120(3):348–50
[Surgical hand disinfection using alcoholic rubbing disinfectants] Kalmár P, et al. **Chirurg** 1984 Apr;55(4):280–7 (Eng. Abstr.) **(Ger)**

ANALYSIS

Enzyme electrode and thermistor probes for determination of alcohols with alcohol oxidase. Guilkbault GG, et al. **Anal Chem** 1983 Aug;55(9):1582–5
Gas chromatographic method for the determination of the lower volatile alcohols in rat blood and in human stool specimens on a fused silica capillary column. Doizaki WM, et al. **J Chromatogr** 1983 Aug 12;276(1):11–8
[Stability of congeners in alcoholic beverages] Bonte W, et al. **Beitr Gerichtl Med** 1984;42:395–401 (Eng. Abstr.) **(Ger)**
[Normal distribution of congeners in alcoholic beverages] Bonte W, et al. **Beitr Gerichtl Med** 1984;42:387–94 (Eng. Abstr.) **(Ger)**
[Gas chromatographic determination of alcohols in the air] Dmitriev MT, et al. **Gig Sanit** 1984 Feb;(2):49–51 **(Rus)**

DIAGNOSTIC USE

Relationship between lipophilicity and brain extraction of C–11–labeled radiopharmaceuticals. Dishino DD, et al. **J Nucl Med** 1983 Nov;24(11):1030–8

ISOLATION & PURIFICATION

[Breakthrough time of active carbon tubes for sampling organic vapors] Matsumura Y. **Sangyo Igaku** 1983 Nov; 25(6):512–3 **(Jpn)**

METABOLISM

Increased microsomal oxidation of alcohols after pyrazole treatment and its similarities to the induction by ethanol consumption. Krikun G, et al. **Biochim Biophys Acta** 1984 Sep 7;801(1):131–7
The anaerobic end–products of helminths. Barrett J. **Parasitology** 1984 Feb;88 (Pt 1):179–98 (47 ref.)

PHARMACODYNAMICS

Effects of aliphatic alcohols on myelinated nerve membrane. Arhem P, et al. **Acta Physiol Scand** 1983 Sep;119(1):105–7

The effect of membrane composition and alcohols on the insulin-sensitive reconstituted monosaccharide-transport system of rat adipocyte plasma membranes. More JE, et al. **Biochem J** 1983 Oct 15;216(1):113–20

Aminopyrine and biphenyl metabolism in cultured hepatocytes. Induction by alcohols. Sinclair JF, et al. **Biochem Pharmacol** 1984 Jan 15;33(2):187–90

Deactivation of alpha-chymotrypsin and alpha-chymotrypsin-CNBr-Sepharose 4B conjugates in aliphatic alcohols. Clark DS, et al. **Biochim Biophys Acta** 1984 Jul 31;788(2):181–8

Sensitivity of Na+-coupled D-glucose uptake, Mg2+-ATPase and sacrase to perturbations of the fluidity of brush-border membrane vesicles induced by n-aliphatic alcohols. Fernandez YJ, et al. **Biochim Biophys Acta** 1984 Mar 14;770(2):171–7

Effects of ethanol and other alkanols on passive proton influx in the yeast Saccharomyces cerevisiae. Leão C, et al. **Biochim Biophys Acta** 1984 Jul 11;774(1):43–8

The effects of alcohols and diols at the nicotinic acetylcholine receptor of the neuromuscular junction. Bradley RJ, et al. **Brain Res** 1984 Mar 12;295(1):101–12

Barbiturates, alcohols and the CNS excitatory neurotransmission: specific effects on the kainate and quisqualate receptors. Teichberg VI, et al. **Brain Res** 1984 Jan 23;291(2):285–92

Effects of aldehydes and alcohols on protein synthesis in the dinoflagellate, Gonyaulax polyedra: relation to phase-shifting potency in the circadian oscillation. Volknandt W, et al. **Comp Biochem Physiol [C]** 1984; 78(1):51–4

The effects of alcohols, procaine and hyperthermia on the protein content of nuclei and chromatin. Roti Roti JL, et al. **Int J Radiat Biol** 1984 Jul;46(1):25–33

Effects of alcohols on ADP-induced aggregation and membrane fluidity of gel-filtered bovine blood platelets. Kitagawa S, et al. **J Membr Biol** 1984;79(1):97–102

The action of alcohols and other non-ionic surface active substances on the sodium current of the squid giant axon. Haydon DA, et al. **J Physiol (Lond)** 1983 Aug;341:411–27

Characterization of the selective inhibition of the delta subclass of opioid binding sites by alcohols. Hiller JM, et al. **Mol Pharmacol** 1984 Mar;25(2):249–55

Effect of some alcohols on sorbitol dehydrogenase. Firenzuoli AM, et al. **Physiol Chem Phys** 1982;14(6):581–3

[Modifying effect of alcohols on the radiation transformations of serum albumin] Sapezhinskiĭ II, et al. **Radiobiologiia** 1984 Jan-Feb;24(1):79–81 (Eng. Abstr.) **(Rus)**

TOXICITY

Locomotor stimulant and intoxicant properties of methanol, ethanol, tertiary butanol and pentobarbital in Long-Sleep and Short-Sleep mice. Dudek BC, et al. **Subst Alcohol Actions Misuse** 1983;4(1):31–6

The absence of testicular atrophy and in vivo and in vitro effects on hepatocyte morphology and peroxisomal enzyme activities in male rats following the administration of several alkanols. Rhodes C, et al. **Toxicol Lett** 1984 Apr; 21(1):103–9

[Relation between the toxicity of molecules of industrial value and their physico-chemical properties: test of upper airway irritation applied to 4 chemical groups] Muller J, et al. **Food Chem Toxicol** 1984 Aug;22(8):661–4 (Eng. Abstr.) **(Fre)**

ALCOHOLS, AMYL

Extraction of detergents from hydrophobic proteins with isopentanol: application to electrophoretic analysis of photosynthetic bacterial hydrophobic proteins. Salcedo JR, et al. **Anal Biochem** 1983 Jul 15;132(2):324–7

Behavioral determination of olfactory thresholds to amyl acetate in dogs. Krestel D, et al. **Neurosci Biobehav Rev** 1984 Summer;8(2):169–74

PHARMACODYNAMICS

Short-chain aliphatic alcohols increase rat-liver microsomal membrane fluidity and affect the activities of some microsomal membrane-bound enzymes. Garda HA, et al. **Biochim Biophys Acta** 1984 Jan 11;769(1):160–70

ALCOHOLS, BUTYL

DIAGNOSTIC USE

Quantification of regional myocardial perfusion by exponential infusion of 11C-butanol. Hack SN, et al. **IEEE Trans Biomed Eng** 1983 Nov;30(11):716–22

Measurement of cerebral blood flow in the rat with intravenous injection of [11C]butanol by external coincidence counting: a repeatable and noninvasive method in the brain. Takagi S, et al. **J Cereb Blood Flow Metab** 1984 Jun;4(2):275–83

METABOLISM

Production of formaldehyde and acetone by hydroxyl-radical generating systems during the metabolism of tertiary butyl alcohol. Cederbaum AI, et al. **Biochem Pharmacol** 1983 Dec 1;32(23):3517–24

PHARMACODYNAMICS

Effect of butanol on lipid composition and fluidity of Clostridium acetobutylicum ATCC 824. Vollherbst-Schneck K, et al. **Appl Environ Microbiol** 1984 Jan;47(1):193–4

Short-chain aliphatic alcohols increase rat-liver microsomal membrane fluidity and affect the activities of some microsomal membrane-bound enzymes. Garda HA, et al. **Biochim Biophys Acta** 1984 Jan 11;769(1):160–70

Selective extraction by 1-butanol of surface glycoprotein antigens from human melanoma cells. Liao SK, et al. **Cancer Immunol Immunother** 1984;17(2):95–9

Selective release of surface antigens from cultured human melanoma cells following 1-butanol treatment. Liao SK, et al. **Prog Clin Biol Res** 1983;133:203–7

[Interaction of solvent effects on the plasma membrane] Reinhardt K, et al. **Z Gesamte Inn Med** 1984 Feb 1; 39(3):48–51 (Eng. Abstr.) **(Ger)**

TOXICITY

Induction of megamitochondria in the rat liver by N-propyl alcohol and N-butyl alcohol. Wakabayashi T, et al. **Acta Pathol Jpn** 1984 May;34(3):471–80

ALCOHOLS, HEXYL

PHARMACODYNAMICS

The effect of feeding di-(2-ethylhexyl) phthalate and related compounds on lipids in the laying hen. Wood DL, et al. **Poult Sci** 1984 Mar;63(3):469–77

TOXICITY

Evaluation of di-(2-ethylhexyl)phthalate and its major metabolites in the Ames test and L5178Y mouse lymphoma mutagenicity assay. Kirby PE, et al. **Environ Mutagen** 1983; 5(5):657–63

ALCOHOLS, OCTYL

Relationship between molar refraction and n-octanol/water partition coefficient. Yoshida K, et al. **Ecotoxicol Environ Safety** 1983 Dec;7(6):558–65

Solubility and partitioning VI: octanol solubility and octanol-water partition coefficients. Yalkowsky SH, et al. **J Pharm Sci** 1983 Aug;72(8):866–70

ALCOHOLS, SUGAR see **SUGAR ALCOHOLS**

ALCURONIUM see under **TOXIFERINE**

ALDEHYDE-LYASES

ANTAGONISTS & INHIBITORS

Chemical modification of hydroxynitrile lyase by selective reaction of an essential cysteine-SH group with alpha, beta-unsaturated propiophenones as pseudo-substrates. Jaenicke L, et al. **Eur J Biochem** 1984 Jan 16;138(2):319–25

DEFICIENCY

Deoxyribose-5-phosphate aldolase deficiency--a harmless inborn error of metabolism. Chappel A, et al. **J Inherited Metab Dis** 1983;6(3):105–7

17,20-desmolase deficiency in a female newborn, paradoxically virilized in utero. de Peretti E, et al. **J Steroid Biochem** 1984 Jan;20(1):455–8

GENETICS

The nucleotide sequence of the aroF gene of Escherichia coli and the amino acid sequence of the encoded protein, the tyrosine-sensitive 3-deoxy-D-arabino-heptulosonate 7-phosphate synthase. Shultz J, et al. **J Biol Chem** 1984 Aug 10;259(15):9655–61

ISOLATION & PURIFICATION

Use of differential dye-ligand chromatography with affinity elution for enzyme purification: 2-keto-3-deoxy-6-phosphogluconate aldolase from Zymomonas mobilis. Scopes RK. **Anal Biochem** 1984 Feb; 136(2):525–9

[Purification of nicotineamide adenine dinucleotide phosphate-cytochrome P-450 reductase from porcine adrenal microsomes and reconstitution of 17 alpha-hydroxylase, C17,20 lyase and 21-hydroxylase activities] Nakajin S, et al. **Yakugaku Zasshi** 1984 Feb; 104(2):169–74 (Eng. Abstr.) **(Jpn)**

METABOLISM

Separation and some properties of D-galactonate pathway enzymes from Mycobacterium sp. 607. Szumiło T. **Acta Microbiol Pol** 1983;32(1):47–52

Estimation of kinetic parameters of androgen-synthesizing enzyme activities in superfused Leydig cells from rat testes: difference between endogenous and exogenous substrates. Kühn-Velten N, et al. **Biosci Rep** 1984 Jun;4(6):483–8

Acute decrease by human chorionic gonadotropin of the activity of preovulatory ovarian 17 alpha-hydroxylase and C-17-C-20 lyase is due to decrease of microsomal cytochrome P-450 through de novo synthesis of ribonucleic acid and protein. Suzuki K, et al. **Endocrinology** 1983 Dec;113(6):1985–91

Periovulatory changes in steroid C17,20-lyase activity in ovaries of immature rats treated with pregnant mare serum gonadotropin. Weiss M, et al. **Endocrinology** 1984 May; 114(5):1912–6

A pair of regulatory isozymes for 3-deoxy-D-arabino-heptulosonate 7-phosphate synthase is conserved within group I pseudomonads. Byng GS, et al. **J Bacteriol** 1983 Oct;156(1):429–33

C21 steroid side chain cleavage enzyme from porcine adrenal microsomes. Purification and characterization of the 17 alpha-hydroxylase/C17,20-lyase cytochrome P-450. Nakajin S, et al. **J Biol Chem** 1984 Mar 25;259(6):3971–6

Ovarian C17,20-lyase: changes in intact and hypophysectomized immature rats treated with pregnant mare's serum gonadotropin. Johnson DC, et al. **J Steroid Biochem** 1984 Mar;20(3):733–9

Side-chain cleavage of C21 steroids by testicular microsomal cytochrome P-450 (17 alpha-hydroxylase/lyase): involvement of heme. Nakajin S, et al. **J Steroid Biochem** 1983 Sep;19(3):1345–8

The in vitro and in vivo effect of estradiol upon the 17 alpha-hydroxylase and C17,20-lyase activity in the ovaries of immature hypophysectomized rats. Johnson DC, et al. **Mol Cell Endocrinol** 1984 May;35(2–3):199–204

[Experimental study of the rebound phenomenon after testosterone administration--changes in enzyme activities in testicular steroid biosynthesis] Shimizu Y. **Nippon Naibunpi Gakkai Zasshi** 1983 Aug 20;59(8):1168–80 (Eng. Abstr.) **(Jpn)**

ALDEHYDE OXIDOREDUCTASES

13C and 61Ni isotope substitutions confirm the presence of a nickel (III)-carbon species in acetogenic CO dehydrogenases. Ragsdale SW, et al. **Biochem Biophys Res Commun** 1983 Sep 15;115(2):658–65

ANALYSIS

Oxidation of formaldehyde and acetaldehyde by NAD+-dependent dehydrogenases in rat nasal mucosal homogenates. Casanova-Schmitz M, et al. **Biochem Pharmacol** 1984 Apr 1;33(7):1137–42

Increase of nicotinamide methyltransferase and N1-methyl-nicotinamide oxidase activities in the livers of the rats administered alkylating agents. Ohkubo M, et al. **Cancer Lett** 1983 Dec;21(2):175–81

Electrophoretic analyses of alcohol dehydrogenase, aldehyde dehydrogenase, aldehyde reductase, aldehyde oxidase and xanthine oxidase from horse tissues. Seeley TL, et al. **Comp Biochem Physiol [B]** 1984;78(1):131–9

Acetyl-blocked N-terminal structures of sorbitol and aldehyde dehydrogenases. Fairwell T, et al. **FEBS Lett** 1984 May 21;170(2):281–9

Evidence for a nickel-containing carbon monoxide dehydrogenase in Methanobrevibacter arboriphilicus. Hammel KE, et al. **J Bacteriol** 1984 Mar;157(3):975–8

ANTAGONISTS & INHIBITORS

Inhibition of human aldehyde dehydrogenase isozymes by propiolaldehyde. Ferencz-Biro K, et al. **Alcoholism (NY)** 1984 May-Jun;8(3):302–7

The metabolic activation of cyanamide to an inhibitor of aldehyde dehydrogenase is catalyzed by catalase. DeMaster EG, et al. **Biochem Biophys Res Commun** 1984 Jul 18; 122(1):358–65

An extremely potent anilinoacridine inhibitor of aldehyde oxidase. Gormley PE, et al. **Biochem Biophys Res Commun** 1983 Oct 31;116(2):759–64

Decrease in calcium carbimide (calcium cyanamide)-induced inhibition of rat hepatic aldehyde dehydrogenases by multiple ethanol administration. Loomis CW, et al. **Can J Physiol Pharmacol** 1984 May;62(5):544–50

Inhibition of hepatic aldehyde dehydrogenases in the rat by calcium carbimide (calcium cyanamide). Loomis CW, et al. **Can J Physiol Pharmacol** 1983 Sep;61(9):1025–34

Metabolic activation of cyanamide to an inhibitor of aldehyde dehydrogenase in vitro. Demaster EG, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:273–7

Interaction of human cytoplasmic aldehyde dehydrogenase E1 with disulfiram. Vallari RC, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:97–102

Subcellular aldehyde dehydrogenase activity and acetaldehyde oxidation by isolated intact mitochondria of rat brain and liver after acetaldehyde treatment. Shiohara E, et al. **Toxicology** 1984 Feb 14;30(1):25–30

[Gamma-oxosulfones as aldehyde dehydrogenase inhibitors] Messinger P, et al. **Arch Pharm (Weinheim)** 1983 Aug; 316(8):663–7 (Eng. Abstr.) **(Ger)**

BIOSYNTHESIS

Liver cytosolic aldehyde dehydrogenases in rats with different predisposition to induction by phenobarbital. Partial purification and characterization of the enzymes at basal state. Törrönen R, et al. **Int J Biochem** 1984; 16(6):659–66

Interrelationships between the enzymes of ethanolamine metabolism in Escherichia coli. Jones PW, et al.

J Gen Microbiol 1984 Feb;130 (Pt 2):299–308

BLOOD

Comparative study of erythrocyte aldehyde dehydrogenase in alcoholics and control subjects. Agarwal DP, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:89–95

Aldehyde oxidizing capacity of erythrocytes in normal and alcoholic individuals. Maring JA, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:135–8

Aldehyde dehydrogenase in blood: a sensitive assay and inhibition by disulfiram. Tottmar O, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:103–7

Oxidation of acetaldehyde and presence of aldehyde dehydrogenase in rat erythrocytes. Weiner H, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:167–70

DEFICIENCY

Accumulation of acetaldehyde in alcohol-sensitive Japanese: relation to ethanol and acetaldehyde oxidizing capacity. Inoue K, et al. **Alcoholism (NY)** 1984 May–Jun;8(3):319–22

Succinic semialdehyde dehydrogenase deficiency: an inborn error of gamma-aminobutyric acid metabolism. Gibson KM, et al. **Clin Chim Acta** 1983 Sep 15;133(1):33–42

Aldehyde dehydrogenase isozyme deficiency and alcohol sensitivity in four different Chinese populations. Goedde HW, et al. **Hum Hered** 1984;34(3):183–6

Blood ethanol and acetaldehyde levels in Japanese alcoholics and controls. Harada S, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:139–40

GENETICS

Determination of genotypes of human aldehyde dehydrogenase ALDH2 locus. Yoshida A, et al. **Am J Hum Genet** 1983 Nov;35(6):1107–16

Aldehyde oxidase and alcohol dehydrogenase genetics in the mouse. New alleles for the Aox-2 and Adh-3 loci. Mather PB, et al. **Anim Blood Groups Biochem Genet** 1983; 14(4):279–86

Human aldehyde dehydrogenase: catalytic activity in oriental liver. Ferencz-Biro K, et al. **Biochem Biophys Res Commun** 1984 Jan 13;118(1):97–102

Genetic mapping and characterization of aldehyde oxidase of Anopheles albimanus (Diptera: Culicidae). Narang S, et al. **Biochem Genet** 1983 Aug;21(7–8):653–60

Human formaldehyde dehydrogenase (FDH) and its assignment to chromosome 4. Meera Khan P, et al. **Cytogenet Cell Genet** 1984;38(2):112–5

Human liver mitochondrial aldehyde dehydrogenase: a C-terminal segment positions and defines the structure corresponding to the one reported to differ in the Oriental enzyme variant. Hempel J, et al. **FEBS Lett** 1984 Aug 6; 173(2):367–73

Determination of aldehyde dehydrogenase phenotypes using hair roots: re-examination. Yoshida A. **Hum Genet** 1984; 66(4):296–9

The role of alcohol dehydrogenase and aldehyde dehydrogenase isozymes in alcohol metabolism, alcohol sensitivity, and alcoholism. Goedde HW, et al. **Isozymes Curr Top Biol Med Res** 1983;8:175–93

Anaerobiosis, formate, nitrate, and pyrA are involved in the regulation of formate hydrogenlyase in Salmonella typhimurium. Barrett EL, et al. **J Bacteriol** 1984 Jun; 158(3):972–7

Analysis of the Escherichia coli proBA locus by DNA and protein sequencing. Deutch AH, et al. **Nucleic Acids Res** 1984 Aug 10;12(15):6337–55

Pharmacogenetics of alcohol sensitivity. Goedde HW, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:161–6

Aldehyde dehydrogenase isozyme variation and alcoholism in Japan. Harada S, et al. **Pharmacol Biochem Behav** 1983; 18 Suppl 1:151–3

Alcohol sensitivity related to polymorphism of alcohol-metabolizing enzymes in Japanese. Mizoi Y, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:127–33

The polymorphisms of alcohol and aldehyde dehydrogenase and their significance for acetaldehyde toxicity. Von Wartburg JP, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:123–5

Low Km ALDH isozyme and alcoholic liver injury. Yoshihara H, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:425–8

Molecular abnormality of an inactive aldehyde dehydrogenase variant commonly found in Orientals. Yoshida A, et al. **Proc Natl Acad Sci USA** 1984 Jan; 81(1):258–61

ISOLATION & PURIFICATION

Isolation and characterization of glyoxylate dehydrogenase from the fungus Sclerotium rolfsii. Balmforth AJ, et al. **Biochem J** 1984 Feb 15;218(1):113–8

Bovine lens aldehyde dehydrogenase. Purification and preliminary characterization. Ting HH, et al. **Biochem J** 1983 Nov 1;215(2):351–9

Aldehyde dehydrogenase from human liver. Primary structure of the cytoplasmic isoenzyme. Hempel J, et al. **Eur J Biochem** 1984 May 15;141(1):21–35

Purification and properties of cinnamoyl-CoA reductase and cinnamyl alcohol dehydrogenase from poplar stems (Populus X euramericana). Sarni F, et al. **Eur J Biochem** 1984 Mar 1;139(2):259–65

The cytoplasmic isoenzyme of horse liver aldehyde dehydrogenase. Relationship to the corresponding human isoenzyme. von Bahr-Lindström H, et al. **Eur J Biochem** 1984 May 15;141(1):37–42

Activity and electrophoretic profiles of brain aldehyde dehydrogenases in mice genetically selected for their ethanol preference. Yamazaki H, et al. **Int J Biochem** 1984; 16(2):247–52

Carbon monoxide dehydrogenase from Rhodospirillum rubrum. Bonam D, et al. **J Bacteriol** 1984 Aug;159(2):693–9

Characterization and purification of carbon monoxide dehydrogenase from Methanosarcina barkeri. Krzycki JA, et al. **J Bacteriol** 1984 Apr;158(1):231–7

Formate dehydrogenase of Clostridium pasteurianum. Liu CL, et al. **J Bacteriol** 1984 Jul;159(1):375–80

Molybdopterin in carbon monoxide oxidase from carboxydotrophic bacteria. Meyer O, et al. **J Bacteriol** 1984 Feb;157(2):643–8

METABOLISM

Reductive metabolism of N-nitrosodiphenylamine to the corresponding hydrazine derivative. Tatsumi K, et al. **Arch Biochem Biophys** 1983 Oct 1;226(1):174–81

Activation of nit-1 nitrate reductase by W-formate dehydrogenase. Deaton JC, et al. **Biochem Biophys Res Commun** 1984 Jun 29;121(3):1042–7

Involvement of liver aldehyde oxidase in the reduction of nicotinamide N-oxide. Kitamura S, et al. **Biochem Biophys Res Commun** 1984 Apr 30;120(2):602–6

Reduction of tertiary amine N-oxides by liver preparations: function of aldehyde oxidase as a major N-oxide reductase. Kitamura S, et al. **Biochem Biophys Res Commun** 1984 Jun 29;121(3):749–54

Simultaneous formation of 2- and 4-quinolones from quinolinium cations catalysed by aldehyde oxidase. Taylor SM, et al. **Biochem J** 1984 May 15;220(1):67–74

Bovine lens aldehyde dehydrogenase. Kinetics and mechanism. Ting HH, et al. **Biochem J** 1983 Nov 1; 215(2):361–8

Relationship between the mechanisms of the esterase and dehydrogenase activities of the cytoplasmic aldehyde dehydrogenase from sheep liver. An alternative view. Blackwell LF, et al. **Biochemistry** 1983 Aug 2; 22(16):3784–91

A common pathway for the activation of several molybdoenzymes in Escherichia coli K12. Giordano G, et al. **Biochim Biophys Acta** 1984 Apr 10;798(2):216–25

Aldose and aldehyde reductases in human tissues. Srivastava SK, et al. **Biochim Biophys Acta** 1984 Aug 21;800(3):220–7

Structural properties of the proteoliposomes catalyzing electron transport from formate to fumarate. Unden G, et al. **Biochim Biophys Acta** 1983 Oct 31;725(1):41–8

Extrapyramidal disorders: a possible underlying mechanism. Messiha FS. **Brain Res Bull** 1983 Aug;11(2):233–41

Histochemical localization of aldehyde dehydrogenase during rat hepatocarcinogenesis. Lindahl R, et al. **Cancer Res** 1983 Dec;43(12 Pt 1):5972–7

Subcellular localization of acetaldehyde dehydrogenase in human liver. Jenkins WJ, et al. **Cell Biochem Funct** 1983 Apr;1(1):37–40

Azoreductase activity of liver aldehyde oxidase. Kitamura S, et al. **Chem Pharm Bull (Tokyo)** 1983 Sep;31(9):3334–7

Evidence for reduction of hydroxamic acids to the corresponding amides by liver aldehyde oxidase. Sugihara K, et al. **Chem Pharm Bull (Tokyo)** 1983 Sep;31(9):3366–9

Activities of NAD+-dependent aldehyde dehydrogenase and alcohol dehydrogenase in the liver of spontaneously hypertensive rats in the process of development. Shiohara E, et al. **Clin Exp Pharmacol Physiol** 1984 Mar–Apr; 11(2):199–207

Modification of mouse liver alcohol and aldehyde-dehydrogenase by chlorpromazine. Messiha FS, et al. **Drug Chem Toxicol** 1983;6(5):409–19

Enhancement of aldehyde dehydrogenase activity in rat liver by clofibrate feeding. Kramar R, et al. **Enzyme** 1984; 31(1):17–20

Aldehyde dehydrogenase (E.C. 1.2.1.3) in chronic alcoholic liver diseases. Nilius R, et al. **Hepatogastroenterology** 1983 Aug;30(4):134–6

Methodological problems in the histochemical demonstration of succinate semialdehyde dehydrogenase activity. Bernocchi G, et al. **Histochem J** 1983 Dec;15(12):1161–76

Aldehyde dehydrogenase isozymes. Pietruszko R. **Isozymes Curr Top Biol Med Res** 1983;8:195–217

Vibrio harveyi aldehyde dehydrogenase. Partial reversal of aldehyde oxidation and its possible role in the reduction of fatty acids for the bioluminescence reaction. Byers D, et al. **J Biol Chem** 1984 Jun 10;259(11):7109–14

Selenite binding to carbon monoxide oxidase from Pseudomonas carboxydovorans. Selenium binds covalently to the protein and activates specifically the CO——methylene blue reaction. Meyer O, et al. **J Biol Chem** 1984 May 10;259(9):5612–7

Interaction of Mg2+ with human liver aldehyde dehydrogenase. I. Species difference in the mitochondrial isozyme. Vallari RC, et al. **J Biol Chem** 1984 Apr 25; 259(8):4922–6

Interaction of Mg2+ with human liver aldehyde dehydrogenase. II. Mechanism and site of interaction. Vallari RC, et al. **J Biol Chem** 1984 Apr 25;259(8):4927–33

Farnesol and farnesal dehydrogenase(s) in corpora allata of the tobacco hornworm moth, Manduca sexta. Baker FC, et al. **J Lipid Res** 1983 Dec;24(12):1586–94

Biosynthesis of long-chain alcohols by developing and regenerating rat sciatic nerve. Natarajan V, et al. **J Neurochem** 1984 Aug;43(2):328–34

Distribution of three enzymes of gamma-aminobutyric acid metabolism in monkey retina. Pusateri ME, et al. **J Neurochem** 1984 May;42(5):1269–72

Distribution and properties of aldehyde dehydrogenase in regions of rat brain. Weiner H, et al. **J Neurochem** 1984 Jan;42(1):109–15

Involvement of liver aldehyde oxidase in conversion of N-hydroxyurethane to urethane. Sugihara K, et al. **J Pharmacobiodyn** 1983 Sep;6(9):677–83

Effects of cephem antibiotics on rat liver aldehyde dehydrogenases. Yamanaka Y, et al. **Jpn J Pharmacol** 1983 Aug;33(4):717–23

Effect of alcohol consumption on hepatic aldehyde dehydrogenase activity in alcoholic patients. Jenkins WJ, et al. **Lancet** 1984 May 12;1(8385):1048–9

A two-site model for the esterase and dehydrogenase activities of sheep liver aldehyde dehydrogenase. Blackwell LF, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:83–7

The role of cytoplasmic aldehyde dehydrogenase in the metabolism of N-tele-methylhistamine. Gitomer WL, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:113–6

Structural relationships among aldehyde dehydrogenases. Hempel J, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:117–21

Hepatic aldehyde dehydrogenases and lipid peroxidation. Hjelle JJ, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:155–60

Hepatic ADH and ALDH isoenzymes in different racial groups and in chronic alcoholism. Ricciardi BR, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:61–5

Peroxisome-associated aldehyde dehydrogenase in normal rat liver. Smith HE, et al. **Pharmacol Biochem Behav** 1980; 13 Suppl 1:111–8

Effects of magnesium and calcium on mitochondrial and cytosolic liver aldehyde dehydrogenases. Weiner H, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:109–12

[Bacterial formate dehydrogenase. Substrate specificity and kinetic mechanism of S-formyl glutathione oxidation] Tishkov VI, et al. **Biokhimiia** 1983 Jul;48(7):1172–80 (Eng. Abstr.) **(Rus)**

[Enzyme activity of the formate hydrogenlyase complex in Citrobacter freundii] Zatsepin SS, et al. **Mikrobiologiia** 1984 Mar–Apr;53(2):246–50 (Eng. Abstr.) **(Rus)**

[Effect of alcohol intoxication on activity of enzymes in ethanol oxidation and on arginase activity in rat liver] Gurtovenko VM, et al. **Vopr Med Khim** 1983 Jul–Aug; 29(4):51–4 (Eng. Abstr.) **(Rus)**

[Arginase activity in various tissues of rats in alcohol intoxication] Trapeznikova SS, et al. **Vopr Med Khim** 1983 Jul–Aug;29(4):95–8 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Benzylamine metabolism at low O2 concentrations. Relative sensitivities of monoamine oxidase, aldehyde dehydrogenase and hippurate synthesis to hypoxia. Jones DP. **Biochem Pharmacol** 1984 Feb 1;33(3):413–7

Acetaldehyde-mediated alcohol sensitivity and elevation of plasma catecholamine in man. Adachi J, et al. **Jpn J Pharmacol** 1983 Jun;33(3):531–9

ALDEHYDES

Glutaraldehyde fixatives for preserving the chick's inner ear. Park JC, et al. **Acta Otolaryngol (Stockh)** 1984 Jul–Aug; 98(1–2):72–80

Determination of D- and L-aspartate in amino acid mixtures by high-performance liquid chromatography after derivatization with a chiral adduct of o-phthaldialdehyde. Aswad DW. **Anal Biochem** 1984 Mar;137(2):405–9

Use of o-phthalaldehyde to reduce background during automated Edman degradation. Brauer AW, et al. **Anal Biochem** 1984 Feb;137(1):134–42

High-performance liquid chromatographic analysis of amino acids in physiological fluids: on-line precolumn derivatization with o-phthaldialdehyde. Fleury MO, et al. **Anal Biochem** 1983 Sep;133(2):330–5

Reaction of histamine with o-phthalaldehyde: isolation and analysis of the fluorophore. Rönnberg AL, et al. **Anal Biochem** 1984 Jun;139(2):329–37

High-performance liquid chromatographic determination of histamine in biological samples after derivation with o-phthalaldehyde. Rönnberg AL, et al. **Anal Biochem** 1984 Jun;139(2):338–44

Factors affecting the stability of fluorescent isoindoles derived from reaction of o-phthalaldehyde and hydroxyalkylthiols with primary amines. Stobaugh JF, et al. **Anal Biochem** 1983 Dec;135(2):495–504

o-Phthalaldehyde derivatives of amines for high-speed liquid chromatography/electrochemistry. Allison LA, et al. **Anal Chem** 1984 Jun;56(7):1089–96

On the mechanism of peroxidase-catalyzed chemiluminescence from isobutyraldehyde. Dunford HB, et al. **Biochem Biophys Res Commun** 1984 Jul 18; 122(1):28–32

Formation of cyclic 1,N2-propanodeoxyguanosine adducts in DNA upon reaction with acrolein or crotonaldehyde. Chung FL, et al. **Cancer Res** 1984 Mar;44(3):990–5

Further studies on the conversion of

4-hydroxyoxazaphosphorines to reactive mustards and acrolein in inorganic buffers. Low JE, et al. **Cancer Res** 1983 Dec;43(12 Pt 1):5815-20

Disinfection of gastrointestinal fibrescopes--evaluation of the disinfectants Dettox and Gigasept. O'Connor HJ, et al. **Endoscopy** 1983 Nov;15(6):350-2

o-Phthalaldehyde, a fluorescence probe of aldolase active site. Palczewski K, et al. **Eur J Biochem** 1983 Dec 15; 137(3):429-35

Germicidal capability of glutaraldehyde-phenate disinfectant [letter] Pfaffenroth M, et al. **Infect Control** 1983 Sep-Oct; 4(5):357-8

The effect of quenching agents on contact urticaria caused by cinnamic aldehyde. Guin JD, et al. **J Am Acad Dermatol** 1984 Jan;10(1):45-51

o-Phthaldialdehyde precolumn derivatization and reversed-phase high-performance liquid chromatography of polypeptide hydrolysates and physiological fluids. Jones BN, et al. **J Chromatogr** 1983 Aug 26;266:471-82

Electrochemical activity of o-phthalaldehyde-mercaptoethanol derivatives of amino acids. Application to high-performance liquid chromatographic determination of amino acids in plasma and other biological materials. Joseph MH, et al. **J Chromatogr** 1983 Oct 14;277:125-36

Bond strength between dentin and restorative resins mediated by mixtures of HEMA and glutaraldehyde. Munksgaard EC, et al. **J Dent Res** 1984 Aug;63(8):1087-9

The effects of fixation by combination of glutaraldehyde/dimethyl suberimidate. Use of collagen as a model system. Tzaphlidou M. **J Histochem Cytochem** 1983 Nov;31(11):1274-8

Polyacrolein microspheres as immunoreagents. Kumakura M, et al. **J Immunol Methods** 1983 Sep 30;63(1):115-22

Clinical observations on sterilizing cystoscopes with glutaraldehyde-phenate [letter] Hagan KW. **Urology** 1984 Feb;23(2):224

[Evaluation of the possible use of glutaraldehyde for disinfection and sterilization] Kneiflová J. **Cas Lek Cesk** 1984 May 11;123(19):570-1 (Eng. Abstr.) **(Cze)**

[Identification of drugs by means of the alcohol, aldehyde and ketone type products of their acidic and oxidative decomposition] Brantner A, et al. **Acta Pharm Hung** 1983 Sep;53(5):229-35 (Eng. Abstr.) **(Hun)**

ADMINISTRATION & DOSAGE

[Histamine level of basophils in children with pollinosis treated with pollinex] Fal w, et al. **Pediatr Pol** 1984 Mar; 59(3):231-7 (Eng. Abstr.) **(Pol)**

ADVERSE EFFECTS

Cinnamic aldehyde test concentrations [letter] Fergurson J, et al. **Contact Dermatitis** 1984 Mar;10(3):191-2

Occupational contact dermatitis to glutaraldehyde. Gonçalo S, et al. **Contact Dermatitis** 1984 Mar;10(3):183-4

Exposure to glutaraldehyde. Benson WG. **J Soc Occup Med** 1984 May;34(2):63-4

[Experimental studies of certain aspects of the hepatotoxicity of allyl alcohol] Atzori L, et al. **Pathologica** 1983 Mar-Apr; 75(1036):169-79 (Eng. Abstr.) **(Ita)**

ANALYSIS

Determination of the release rate of aldehyde pheromones from insect lures by cold trapping and direct bioluminescence analysis. Meighen EA, et al. **Anal Biochem** 1983 Aug;133(1):179-85

Aldehyde content of collagen from liver of rats with collagen-like syndrome. Jendryczko A, et al. **Exp Pathol** 1983;24(1):69-71

Penitricin, a new class of antibiotic produced by Penicillium aculeatum. III. Structural confirmation by chemical synthesis and biological activity. Okuda T, et al. **J Antibiot (Tokyo)** 1984 Jul;37(7):723-7

Characterization of male goat odors: 6-trans nonenal. Smith PW, et al. **J Dairy Sci** 1984 Apr;67(4):794-801

BLOOD

Anion transport in red blood cells and arginine-specific reagents. The location of [14C]phenylglyoxal binding sites in the anion transport protein in the membrane of human red cells. Zaki L. **FEBS Lett** 1984 Apr 24;169(2):234-40

CHEMICAL SYNTHESIS

2,4-Dinitrophenylhydrazone formation at the aldehyde derived by periodate cleavage of alpha-amanitin. Morris PW, et al. **Int J Pept Protein Res** 1983 Nov;22(5):597-602

p-Azidophenylglyoxal-epidermal growth factor: a photoactivatable affinity crosslinking reagent. Miller RC, et al. **J Recept Res** 1983;3(4):529-39

Synthesis, antibacterial and antitumour activity of platinum complexes of glyoxal and pyruvic acid thiosemicarbazones. Spassovska N, et al. **Pharmazie** 1984 May;39(5):346-7

ISOLATION & PURIFICATION

Cytotoxic aldehydes originating from the peroxidation of liver microsomal lipids. Identification of 4,5-dihydroxydecenal. Benedetti A, et al. **Biochim Biophys Acta** 1984 Feb 9;792(2):172-81

Penitricin, a new class of antibiotic produced by Penicillium aculeatum. II. Isolation and characterization. Okuda T, et al. **J Antibiot (Tokyo)** 1984 Jul;37(7):718-22

Long chain oxoaldehydes and oxoalcohols from esters as major constituents of the surface lipids of Manduca sexta pupae in diapause. Buckner JS, et al. **J Biol Chem** 1984 Jul 10;259(13):8452-60

METABOLISM

N,N-Dimethylformamide-induced effects on hepatic and renal xenobiotic enzymes with emphasis on aldehyde metabolism in the rat. Elovaara E, et al. **Acta Pharmacol Toxicol (Copenh)** 1983 Aug;53(2):159-65

The effect of chronic ethanol consumption on enzyme activities of the energy-supplying metabolism and the alcohol-aldehyde oxidizing system in rat hearts. Klein HH, et al. **Basic Res Cardiol** 1984 Mar-Apr;79(2):238-43

Oxidation of monosubstituted olefins by cytochromes P-450 and heme models: evidence for the formation of aldehydes in addition to epoxides and allylic alcohols. Mansuy D, et al. **Biochem Biophys Res Commun** 1984 Feb 29; 119(1):319-25

Activation mechanism of tris(2,3-dibromopropyl)phosphate to the potent mutagen, 2-bromoacrolein. Nelson SD, et al. **Biochem Biophys Res Commun** 1984 May 31; 121(1):213-9

Metabolism and binding of cyclophosphamide and its metabolite acrolein to rat hepatic microsomal cytochrome P-450. Marinello AJ, et al. **Cancer Res** 1984 Oct; 44(10):4615-21

Catalytic significance of binary enzyme-aldehyde complexes in the liver alcohol dehydrogenase reaction. Andersson P, et al. **Eur J Biochem** 1984 Mar 15;139(3):519-27

Aldehyde metabolism in the human lens. Jedziniak J, et al. **Exp Eye Res** 1983 Aug;37(2):119-27

In vivo and in vitro acylation of polypeptides in Vibrio harveyi: identification of proteins involved in aldehyde production for bioluminescence. Wall LA, et al. **J Bacteriol** 1984 Aug;159(2):720-4

Biology of disease. Alcoholism and aldehydism: new biomedical concepts. von Wartburg JP, et al. **Lab Invest** 1984 Jan;50(1):5-15

PHARMACODYNAMICS

Inhibition of human aldehyde dehydrogenase isozymes by propiolaldehyde. Ferencz-Biro K, et al. **Alcoholism (NY)** 1984 May-Jun;8(3):302-7

Highly potent and specific inhibitors of human renin. Kokubu T, et al. **Biochem Biophys Res Commun** 1984 Feb 14; 118(3):929-33

Depressive action of gamma-aminobutyraldehyde as a precursor of gamma-aminobutyric acid. Matsuda M, et al. **Biochem Pharmacol** 1984 Apr 15;33(8):1369-72

Ribonucleic acid-protein cross-linking within the intact Escherichia coli ribosome, utilizing ethylene glycol bis[3-(2-ketobutyraldehyde) ether], a reversible, bifunctional reagent: synthesis and cross-linking within 30S and 50S subunits. Brewer LA, et al. **Biochemistry** 1983 Aug 30;22(18):4303-9

Ribonucleic acid-protein cross-linking within the intact Escherichia coli ribosome, utilizing ethylene glycol bis[3-(2-ketobutyraldehyde) ether], a reversible, bifunctional reagent: identification of 30S proteins. Brewer LA, et al. **Biochemistry** 1983 Aug 30;22(18):4310-5

Modification of the conformational equilibria in the sodium and potassium dependent adenosinetriphosphatase with glutaraldehyde. Chipman DM, et al. **Biochemistry** 1983 Sep 13;22(19):4450-9

Inhibition of carboxypeptidase A by aldehyde and ketone substrate analogues. Galardy RE, et al. **Biochemistry** 1984 Apr 24;23(9):2083-7

Probing the conformation of 26S rRNA in yeast 60S ribosomal subunits with kethoxal. Hogan JJ, et al. **Biochemistry** 1984 Jul 3;23(14):3330-5

Probing the conformation of 18S rRNA in yeast 40S ribosomal subunits with kethoxal. Hogan JJ, et al. **Biochemistry** 1984 Jul 3;23(14):3322-30

Inhibition of xanthine oxidase by various aldehydes. Morpeth FF, et al. **Biochemistry** 1984 Mar 13;23(6):1332-8

Inhibition of calcium sequestration activity of liver microsomes by 4-hydroxyalkenals originating from the peroxidation of liver microsomal lipids. Benedetti A, et al. **Biochim Biophys Acta** 1984 May 11;793(3):489-93

Preservation of deformability (filterability) of sickle cells by BW12C during progressive deoxygenation. Kenny MW, et al. **Br J Haematol** 1983 Nov;55(3):465-71

Polyamine-mediated inhibition of in-vitro cell proliferation is not due to acrolein. Hussain JI, et al. **Cell Tissue Kinet** 1983 Nov;16(6):583-91

Effects of aldehydes and alcohols on protein synthesis in the dinoflagellate, Gonyaulax polyedra: relation to phase-shifting potency in the circadian oscillation. Volknandt W, et al. **Comp Biochem Physiol [C]** 1984; 78(1):51-4

Effect of alkaline glutaraldehyde on hepatitis B virus antigens. Adler-Storthz K, et al. **Eur J Clin Microbiol** 1983 Aug;2(4):316-20

Aldehydic peptides inhibiting renin. Fehrentz JA, et al. **FEBS Lett** 1984 Feb 27;167(2):273-6

Suppression of the IgE antibody response by glutaraldehyde-modified ovalbumin: dissociation between loss of antigenic reactivity and ability to induce suppression. HayGlass KT, et al. **Int Arch Allergy Appl Immunol** 1984;74(4):332-40

Interaction of the Bacillus subtilis spore protoplast, cortex, ion-exchange and coatless forms with glutaraldehyde. Gorman SP, et al. **J Appl Bacteriol** 1984 Feb;56(1):95-102

Affinity labeling of the aldehyde site of bacterial luciferase. Fried A, et al. **J Biol Chem** 1984 Sep 10;259(17):10754-9

A comparative study on proliferation, macromolecular synthesis and energy metabolism of in vitro-grown Ehrlich ascites tumor cells in the presence of glucosone, galactosone and methylglyoxal. Reiffen KA, et al. **J Cancer Res Clin Oncol** 1984;107(3):206-10

A biochemical study of two bifunctional reagents as alternatives to formocresol. Ranly DM, et al. **J Dent Res** 1983 Oct;62(10):1054-7

Evidence of a dynamic role of the target cell membrane during the early stages of the natural killer cell lethal hit. Deem RL, et al. **J Immunol** 1984 Jul;133(1):72-7

Sequential substages of natural killer cell-derived cytolytic factor (NKCF)-mediated cytolysis as defined by glutaraldehyde modulation of the target cell. Deem RL, et al. **J Immunol** 1984 Oct;133(4):1836-40

Polyamine oxidase-mediated trypanosome killing: the role of hydrogen peroxide and aldehydes. Ferrante A, et al. **J Immunol** 1984 Oct;133(4):2157-62

Conjugation of DNA fragments to protein carriers by glutaraldehyde: immunogenicity of oligonucleotide-hemocyanin conjugates. Borel H, et al. **J Immunol Methods** 1984 Mar 16;67(2):289-302

Reactivity of sera from patients with liver disease with glutaraldehyde-treated erythrocytes: role for false positive results in hemagglutination tests. Lenkei R, et al. **J Immunol Methods** 1984 Jul 6;71(2):163-73

Quantitative capacities of glutaraldehyde and sodium m-periodate coupled peroxidase-anti-human IgG conjugates in enzyme-linked immunoassays. Tsang VC, et al. **J Immunol Methods** 1984 May 11;70(1):91-100

Binding of viruses from crude plant extracts to glutaraldehyde-treated plates for indirect ELISA. Ehlers U, et al. **J Virol Methods** 1984 May;8(3):217-24

Analysis of the antimutagenic effect of cinnamaldehyde on chemically induced mutagenesis in Escherichia coli. Ohta T, et al. **MGG** 1983;192(3):309-15

Kinetic analysis of the reconstitution pathway of lactate dehydrogenase using cross-linking with glutaraldehyde. Hermann R, et al. **Naturwissenschaften** 1983 Oct; 70(10):517-8

Effects of treatment with glutaraldehyde and of storage in acid-citrate-dextrose solution on agglutinability of erythrocytes. Nishi K, et al. **Nippon Hoigaku Zasshi** 1983 Dec;37(6):757-63

The effect of feeding di-(2-ethylhexyl) phthalate and related compounds on lipids in the laying hen. Wood DL, et al. **Poult Sci** 1984 Mar;63(3):469-77

Hepatic pharmacokinetics of glutaraldehyde-treated methotrexate-loaded carrier erythrocytes in dogs. DeLoach JR, et al. **Res Exp Med (Berl)** 1983;183(3):167-75

Role of acrolein in cyclophosphamide teratogenicity in rat embryos in vitro. Mirkes PE, et al. **Toxicol Appl Pharmacol** 1984 Feb;72(2):281-91

[Purification of the LaSota strain of Newcastle disease virus with the use of glutarate-treated erythrocytes] Trybala E. **Med Dosw Mikrobiol** 1983;35(1):61-4 (Eng. Abstr.) **(Pol)**

[Comparative evaluation of the efficacy of disinfection of the umbilicus using several antiseptics] Barinov VS, et al. **Vestn Khir** 1984 Feb;132(2):43-4 **(Rus)**

THERAPEUTIC USE

Performance of glutaraldehyde-preserved porcine bioprosthesis as a mitral valve substitute in a young population group. Antunes MJ, et al. **Ann Thorac Surg** 1984 May;37(5):387-92

TOXICITY

Sensory irritation and pulmonary irritation by airborne allyl acetate, allyl alcohol, and allyl ether compared to acrolein. Nielsen GD, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Apr;54(4):292-8

The effectiveness of N-acetylcysteine in isolated hepatocytes, against the toxicity of paracetamol, acrolein, and paraquat. Dawson JR, et al. **Arch Toxicol** 1984 Mar;55(1):11-5

Molecular requirements for the mutagenicity of malondialdehyde and related acroleins. Basu AK, et al. **Cancer Res** 1984 Jul;44(7):2848-54

Cytotoxicity of cinnamic aldehyde on leukemia L1210 cells. Moon KH, et al. **Drug Chem Toxicol** 1983;6(6):521-35

Cinnamic aldehyde: a survey of consumer patch-test sensitization. Danneman PJ, et al. **Food Chem Toxicol** 1983 Dec;21(6):721-5

Short-term toxicity of 2,6-dimethylhept-5-en-1-al in rats. Gaunt IF, et al. **Food Chem Toxicol** 1983 Oct;21(5):543-9

Mutagenicity evaluation of glutaraldehyde in a battery of in vitro bacterial and mammalian test systems. Slesinski RS, et al. **Food Chem Toxicol** 1983 Oct;21(5):621-9

The acute effects of single and repeated injections of acrolein and other aldehydes. Warholm M, et al. **Int J Tissue React** 1984;6(1):61-70

Sensory irritation structure-activity study of inhaled aldehydes in B6C3F1 and Swiss-Webster mice. Steinhagen WH, et al. **Toxicol Appl Pharmacol** 1984 Mar 15; 72(3):495-503

Selected responses of hypertension–sensitive and resistant rats to inhaled acrolein. Kutzman RS, et al. **Toxicology** 1984 May 1;31(1):53–65

URINE

Preconcentration and multicomponent chromatographic determination of biological carbonyl compounds. Raymer J, et al. **Anal Chem** 1984 May;56(6):962–6

ALDICARB see under **INSECTICIDES, CARBAMATE**

ALDOLASE see **FRUCTOSEDIPHOSPHATE ALDOLASE**

ALDOSE REDUCTASE see under **SUGAR ALCOHOL DEHYDROGENASES**

ALDOSTERONE

Aldosterone–binding globulin–induced hypertension in the rat. A new experimental model. Nowaczynski M, et al. **Hypertension** 1983 Nov–Dec;5(6 Pt 3):V163–71

ANALOGS & DERIVATIVES

Synthesis of 3 alpha, 5 alpha–tetrahydroaldosterone. Harnik M, et al. **J Steroid Biochem** 1984 Jun;20(6A):1313–20

Tetra– and hexahydro derivatives of aldosterone and 18–hydroxycorticosterone by chemical and microbial reductions. Harnik M, et al. **J Steroid Biochem** 1983 Oct; 19(4):1441–50

ANALYSIS

Content and binding of aldosterone in human ocular lens. Hampl R, et al. **Endocrinol Exp (Bratisl)** 1984 Mar; 18(1):59–64

A simple solid phase enzyme immunoassay for aldosterone in plasma and saliva. Hubl W, et al.
Exp Clin Endocrinol 1983 Aug;82(2):188–93

The direct determination of aldosterone in human saliva. Few JD, et al. **J Steroid Biochem** 1984 Jul;21(1):87–92

The relationship of aldosterone to mild essential hypertension. Zozaya JL, et al.
Res Commun Chem Pathol Pharmacol 1983 Dec; 42(3):471–83

[Determination of mineralocorticoid content in human cataracts] Obenberger J, et al. **Cesk Oftalmol** 1984 Jan; 40(1):45–9 (Eng. Abstr.) **(Cze)**

[Effect of heparin on the renin–aldosterone system of patients with different clinical variants of chronic glomerulonephritis] Nikishova TA, et al.
Urol Nefrol (Mosk) 1983 Jul–Aug;(4):52–6 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Effects of some hydroxylated sterols on the steroid production in isolated rat adrenal glomerulosa and fasciculata/reticularis cells in the presence of potassium, angiotensin II or ACTH. Huijmans JG, et al.
Acta Endocrinol (Copenh) 1984 Mar;105(3):411–6

Failure of vasoactive intestinal peptide to stimulate aldosterone production. Enyedi P, et al.
Acta Physiol Hung 1983;61(1–2):77–9

A potassium–induced mitochondrial protein related to aldosterone biosynthesis. Meuli C, et al. **Am J Physiol** 1983 Nov;245(5 Pt 1):E449–56

Aldosterone biosynthesis by a reconstituted cytochrome P–45011 beta system. Wada A, et al.
Biochem Biophys Res Commun 1984 Feb 29;119(1):365–71

Identification of the cycloheximide–sensitive site in angiotensin–stimulated aldosterone synthesis. Elliott ME, et al. **Biochem Pharmacol** 1984 May 1;33(9):1519–24

Adrenal renin: a possible regulator of aldosterone production. Doi Y, et al. **Clin Exp Hypertens [A]** 1983;5(7–8):1119–26

Role of prostacyclin in blood pressure regulation and aldosterone production in conscious rabbits. Miyamori I, et al. **Clin Sci** 1984 Jan;66(1):33–7

Effects of angiotensin II, K+, adrenocorticotropin, serotonin, adenosine 3',5'–monophosphate, guanosine 3',5'–monophosphate, A23187, and EGTA on aldosterone synthesis and phospholipid metabolism in the rat adrenal zona glomerulosa. Farese RV, et al. **Endocrinology** 1983 Oct;113(4):1377–86

Role of the renin–angiotensin system in the regulation of late steps in aldosterone biosynthesis by sodium intake of potassium–deficient rats. Müller J, et al. **Endocrinology** 1984 Jul;115(1):350–6

The effect of captopril treatment on potassium–induced stimulation of aldosterone production in vitro. Parkinson CA, et al. **Endocrinology** 1984 May;114(5):1567–70

Effect of sodium deficiency on beta–melanocyte–stimulating hormone stimulation of aldosterone in isolated rat adrenal cells. Yamakado M, et al. **Endocrinology** 1983 Dec; 113(6):2168–72

Effects of lithium on angiotensin–stimulated phosphatidylinositol turnover and aldosterone production in adrenal glomerulosa cells: a possible causal relationship. Balla T, et al. **FEBS Lett** 1984 Jun 11;171(2):179–82

Production of aldosterone in male rats with inherited diabetes insipidus (Brattleboro strain). Laulin JP, et al.
Horm Metab Res 1984 May;16(5):254–7

Correlation between cytosolic free Ca2+ and aldosterone production in bovine adrenal glomerulosa cells. Evidence for a difference in the mode of action of angiotensin II and potassium. Capponi AM, et al. **J Biol Chem** 1984 Jul 25;259(14):8863–9

Action of different nucleotides on the last step of aldosterone synthesis. Aupetit B, et al. **J Steroid Biochem** 1984 Jan; 20(1):335–7

Effect of lipoproteins on aldosterone production by isolated glomerulosa cells. Nagy K, et al. **J Steroid Biochem** 1984 Mar;20(3):789–91

The effect of the antimineralocorticoid RU 28318 on aldosterone biosynthesis in vitro. Perroteau I, et al.
J Steroid Biochem 1984 Apr;20(4A):853–6

Effects of angiotensin II and dibutyryl cyclic adenosine monophosphate on phosphatidylinositol metabolism, 45Ca2+ fluxes, and aldosterone synthesis in bovine adrenal glomerulosa cells. Elliott ME, et al. **Life Sci** 1983 Oct 31; 33(18):1771–8

Glucocorticoid suppression enhances the 18–hydroxycorticosterone and aldosterone response to metoclopramide in man. Sowers JR, et al. **Life Sci** 1983 Dec 19;33(25):2489–95

Angiotensin II receptors of human and primate adrenal fasciculata and glomerulosa: correlations of binding and steroidogenesis. Douglas JG, et al. **Metabolism** 1984 Aug; 33(8):685–8

Inhibition of aldosterone production by an atrial extract. Atarashi K, et al. **Science** 1984 Jun 1;224(4652):992–4

BLOOD

Arginine hydrochloride stimulation of serum potassium and aldosterone is enhanced by somatostatin–28. Barron JL, et al. **Acta Endocrinol (Copenh)** 1984 Mar;105(3):407–10

Effects of an acute calcium load on plasma ACTH, cortisol, aldosterone and renin activity in man. Isaac R, et al.
Acta Endocrinol (Copenh) 1984 Feb;105(2):251–7

Adrenergic regulation of renin release and effects on angiotensin and aldosterone. Karlberg BE.
Acta Med Scand [Suppl] 1983;672:33–40 (60 ref.)

Aldosterone concentrations in dehydrated infants. Passwell J, et al. **Acta Paediatr Scand** 1984 Jan;73(1):127–30

Plasma renin activity and plasma aldosterone concentration in pregnant and lactating goats in different sodium states. Benlamlih S, et al. **Acta Physiol Scand** 1983 Jul; 118(3):263–70

Plasma renin substrate, renin activity, and aldosterone levels in a sample of oral contraceptive users from a community survey. Goldhaber SZ, et al. **Am Heart J** 1984 Jan; 107(1):119–22

Hyporeninemic hypoaldosteronism in a patient with multiple myeloma. Mehta BR, et al. **Am J Kidney Dis** 1984 Sep; 4(2):175–8

Plasma concentrations of 18–hydroxycorticosterone and aldosterone in continuous ambulatory peritoneal dialysis and hemodialysis patients. Zager PG, et al.
Am J Kidney Dis 1983 Nov;3(3):213–8

Preoptic recess lesions, body fluid compartments, and the renin–aldosterone system. Bealer SL, et al.
Am J Physiol 1983 Dec;245(6):R901–5

Effects of verapamil on renin and aldosterone in the dog and rat. Roy MW, et al. **Am J Physiol** 1983 Oct; 245(4):E410–6

Intracellular electrolytes and hormonal parameters during weight reduction. Zidek W, et al. **Ann Nutr Metab** 1984; 28(2):65–9

Effects of chlorfenvinphos on plasma corticosterone and aldosterone levels in rats. Osicka–Koprowska A, et al.
Arch Toxicol 1984 Mar;55(1):68–9

The renin–aldosterone system and electrolyte balance during tocolytic therapy. Di Renzo GC, et al.
Biol Res Pregnancy Perinatol 1983;4(3):127–9

Effect of potassium, angiotensin II and ACTH on blood aldosterone and cortisol in sheep on different dietary potassium and sodium intakes. Humphery TJ, et al.
Clin Exp Pharmacol Physiol 1984 Jan–Feb;11(1):97–100

Effect of pindolol and propranolol on plasma renin and aldosterone in patients with renal allograft. Wehling M, et al. **Clin Nephrol** 1983 Nov;20(5):231–4

Bromocriptine does not modify aldosterone secretion [letter] Benito P, et al. **Drug Intell Clin Pharm** 1984 Jan;18(1):80–1

Renin–angiotensin system and plasma aldosterone in Cushing's syndrome. Baba T, et al. **Endocrinol Jpn** 1983 Dec;30(6):715–21

Responsiveness of plasma aldosterone to angiotensin II in patients with diabetes mellitus. Morimoto S, et al.
Endocrinol Jpn 1983 Oct;30(5):671–8

Plasma renin activity (PRA) and plasma aldosterone in the adrenal cortex hyperactivity. Studies on 50 hypertensive patients. Augustin M, et al. **Endocrinologie** 1984 Jan–Mar; 22(1):37–45

Endocrine concomitants of sweating and sweat depression. Candas V, et al. **Eur J Applied Physiol** 1984;52(2):225–9

Effects of acute administration of zetidoline, a new antidopaminergic drug, on plasma prolactin and aldosterone levels in man. Barbieri C, et al.
Eur J Clin Pharmacol 1984;26(1):29–32

Levels of renin, angiotensin I and II, angiotensin–converting enzyme and aldosterone in infancy and childhood. Fiselier TJ, et al. **Eur J Pediatr** 1983 Oct;141(1):3–7

Aldosterone and the control of secretion by the nasal salt gland of the north African desert lizard, Uromastix acanthinurus. Bradshaw SD, et al.
Gen Comp Endocrinol 1984 May;54(2):314–23

In vitro study of frog (Rana ridibunda Pallas) interrenal function by use of a simplified perifusion system. VII. Lack of effect of somatostatin on angiotensin–induced corticosteroid production. Delarue C, et al.
Gen Comp Endocrinol 1984 Jun;54(3):333–8

Circannual changes in plasma aldosterone levels in Bufo japonicus formosus. Jolivet–Jaudet G, et al.
Gen Comp Endocrinol 1984 Jan;53(1):163–7

Renin, aldosterone, and serum–converting enzyme activity during normal and hypertensive pregnancy. Dux S, et al.
Gynecol Obstet Invest 1984;17(5):252–7

Pernasal application of a potent synthetic ACTH 1–17 analogue: dynamics of cortisol and aldosterone levels in serum before and after 7 days of administration. Adelmann H, et al. **Horm Metab Res** 1984 Jan;16(1):55–6

Inhibition of aldosterone response to surgical injury by preoperative high saline intake. Micali B, et al.
Horm Metab Res 1983 Sep;15(9):463

Adrenal adenoma with 18–hydroxycorticosterone excess and hypertension: a variant of aldosteronomas. Kigoshi T, et al. **Horm Res** 1984;19(4):224–31

Dopamine modulates sodium–dependent aldosterone responses to angiotensin II in humans. Drake CR Jr, et al. **Hypertension** 1984 Mar–Apr;6(2 Pt 2):I119–23

Serum potassium and aldosterone levels in gossypol–treated rats. Tang F, et al. **Int J Androl** 1984 Apr;7(2):149–53

Catecholamines, renin, aldosterone and arterial pressure in patients on chronic hemodialysis treatment. Ratge D, et al. **Int J Artif Organs** 1983 Sep;6(5):255–60

Hypohydration and heat acclimation: plasma renin and aldosterone during exercise. Francesconi RP, et al.
J Appl Physiol 1983 Dec;55(6):1790–4

Adrenocortical responses to maximal exercise in moderate–altitude natives at 447 Torr. Maresh CM, et al.
J Appl Physiol 1984 Feb;56(2):482–8

Renin, angiotensin–converting enzyme, and aldosterone in humans on Mount Everest. Milledge JS, et al.
J Appl Physiol 1983 Oct;55(4):1109–12

Relationship between plasma aldosterone and angiotensin II before and after noradrenergic inhibition in normal subjects and patients with mild essential hypertension. Beretta–Piccoli C, et al. **J Clin Endocrinol Metab** 1984 Aug; 59(2):316–20

Responses of plasma renin activity, aldosterone, adrenocorticotropin, and cortisol to dermorphin, a new synthetic potent opiate–like peptide, in man. Degli Uberti EC, et al. **J Clin Endocrinol Metab** 1983 Dec;57(6):1179–85

Plasma adrenocorticotropin, cortisol, and aldosterone responses to corticotropin–releasing factor: modulatory effect of basal cortisol levels. Hermus AR, et al.
J Clin Endocrinol Metab 1984 Jan;58(1):187–91

Adrenocorticotropin–mediated effect of metoclopramide on plasma aldosterone in man. Nishida S, et al.
J Clin Endocrinol Metab 1983 Nov;57(5):981–5

Indomethacin blunts the orthostatic increase in plasma aldosterone in glomerulonephritis. Orita Y, et al.
J Clin Endocrinol Metab 1984 Aug;59(2):303–9

Changes of aldosterone in blood serum of dairy cattle during estrous cycle. Roussel JD, et al. **J Dairy Sci** 1983 Aug; 66(8):1734–7

Propranolol enhances the effect of ACTH on plasma cortisol, but not on aldosterone in man. Belkien L, et al.
J Endocrinol Invest 1983 Oct;6(5):341–5

Aldosterone and other mineralocorticoids in Bartter's syndrome. Saruta T, et al. **J Lab Clin Med** 1984 Jun; 103(6):848–53

Circadian rhythm of plasma aldosterone and time dependent alterations of aldosterone regulators. Takeda R, et al.
J Steroid Biochem 1984 Jan;20(1):321–3

Vasoactive hormones in children with chronic renal failure. Rauh W, et al. **Kidney Int [Suppl]** 1983 Nov;15:S27–33

Beta–lipotropin and aldosterone [letter] Wiesen M, et al.
N Engl J Med 1983 Dec 1;309(22):1393

Relation between plasma aldosterone concentration and renal handling of sodium and potassium, in particular in patients with chronic renal failure. Hené RJ, et al. **Nephron** 1984; 37(2):94–9

Factors controlling aldosterone secretion during hypoxemia in fetal lambs. Robillard JE, et al. **Pediatr Res** 1984 Jul; 18(7):607–11

Time course of aldosterone and corticosterone plasma levels in rats during general anaesthesia and abdominal surgery. Fromm M, et al. **Pflugers Arch** 1983 Dec;399(4):249–54

The effects of piretanide on catecholamine metabolism, plasma renin activity and serum aldosterone: a double–blind pilot comparison against hydrochlorothiazide in patients with essential hypertension. Verho M, et al.
Pharmatherapeutica 1984;3(9):595–606

Hyperkalaemia in diabetes mellitus—potential hazards of coexisting hyporeninaemic hypoaldosteronism. Large DM, et al. **Postgrad Med J** 1984 May;60(703):370–3

The effect of metoclopramide and haloperidol on plasma renin activity and aldosterone levels in rats. Jungmann E, et al. **Res Exp Med (Berl)** 1983;183(2):133–8

Potassium load in spontaneously hypertensive rats. Effects on blood pressure, renin–angiotensin, aldosterone, and intracellular electrolytes. Zidek W, et al.
Res Exp Med (Berl) 1983;183(2):147–52

[Plasma renin activity and plasma aldosterone change in diabetic nephropathy] Dai WX.
Chung Hua Nei Ko Tsa Chih 1983 Dec;22(12):752–4 (Eng. Abstr.) **(Chi)**

[Radioimmunoassay of plasma aldosterone] Ding JF, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1983 Oct; 5(5):295–8 (Eng. Abstr.) **(Chi)**

[Effects of synthetic ACTH on plasma cortisol and aldosterone in neurosurgery] Boulard G, et al. **Ann Fr Anesth Reanim** 1983;2(6):401–4 (Eng. Abstr.) **(Fre)**

[Aldosterone in primary hyperaldosteronism] Legrand S, et al. **Ann Med Interne (Paris)** 1983;134(3):227–9 (Eng. Abstr.) **(Fre)**

[Pseudohypoaldosteronism: a new family (letter)] Frézal J. **Arch Fr Pediatr** 1983 Oct;40(8):673 **(Fre)**

[Seasonal determination of the metabolic clearance of aldosterone in the adult male sand rat (Psammomys obesus)] Amirat Z, et al. **C R Seances Acad Sci [III]** 1983; 297(13):601–3 (Eng. Abstr.) **(Fre)**

[Variations in blood aldosterone, plasma renin activity and plasma levels of converting enzyme during bicarbonate dialysis in chronic kidney failure] Hory B, et al. **Nephrologie** 1983;4(4–5):229–30 (Eng. Abstr.) **(Fre)**

[Nyctohemeral values of plasma renin and aldosterone in relation to age, sex and sodium intake and posture] Cugini P, et al. **Boll Soc Ital Cardiol** 1983 Jul;28(7):559–68 (Eng. Abstr.) **(Ita)**

[Possible correlation between intralymphocytic sodium and plasma aldosterone] Aguglia F, et al. **Clin Ter** 1983 Aug 31;106(4):267–70 (Eng. Abstr.) **(Ita)**

[Effects of guanabenz on plasma renin and aldosterone and on sodium balance in hypertensive patients] Bevilacqua M, et al. **Minerva Cardioangiol** 1984 May;32(5):267–71 (Eng. Abstr.) **(Ita)**

[Hyporeninemic hypoaldosteronism with hypokalemic crises] Cotrozzi G, et al. **Recenti Prog Med** 1983 Aug;74(8):901–9 (Eng. Abstr.) **(Ita)**

[Hyporeninemic hypoaldosteronism with hyperpotassemia. Clinical and physiopathologic study of 18 cases] Paladini G, et al. **Recenti Prog Med** 1983 Dec;74(12):1370–84 (Eng. Abstr.) **(Ita)**

[Aldosterone metabolism in dizygotic twins with simple masculinizing-type adrenal gland hyperplasia due to 21-hydroxylase deficiency] Kondo T, et al. **Horumon To Rinsho** 1983 Jun;31 Suppl:112–5 **(Jpn)**

[Effect of long term anesthesia and surgery on endocrine function in anesthesiologists] Kudo M, et al. **Masui** 1983 May;32(5):611–5 (Eng. Abstr.) **(Jpn)**

[Anesthesia for primary aldosteronism evaluation of plasma aldosterone responses] Noguchi T, et al. **Masui** 1983 Dec; 32(12):1474–7 (Eng. Abstr.) **(Jpn)**

[Comparison of effects of two angiotensin II antagonists on blood pressure, heart rate, plasma renin activity, and plasma aldosterone concentration in the same hypertensive patients] Higuma K, et al. **Nippon Jinzo Gakkai Shi** 1984 Apr;26(4):425–35 (Eng. Abstr.) **(Jpn)**

[Study on renin–angiotensin–aldosterone system. II. Changes of plasma renin activity, plasma aldosterone concentration and urinary sodium excretion in the hypertensives] Kawamata A. **Nippon Jinzo Gakkai Shi** 1984 Feb; 26(2):233–42 (Eng. Abstr.) **(Jpn)**

[Study on renin–angiotensin–aldosterone system. I. Changes of plasma renin activity, plasma aldosterone concentration and urinary sodium excretion in normotensive subjects] Kawamata A. **Nippon Jinzo Gakkai Shi** 1984 Feb; 26(2):221–32 (Eng. Abstr.) **(Jpn)**

[Effect of induced hyperprolactinemia on the plasma levels of C19 steroids in humans] Suzuki A, et al. **Nippon Naibunpi Gakkai Zasshi** 1983 Jul 20;59(7):1004–12 (Eng. Abstr.) **(Jpn)**

[Plasma aldosterone in compensated liver cirrhosis] Hirano Y, et al. **Nippon Naika Gakkai Zasshi** 1984 Apr; 73(4):467–73 **(Jpn)**

[Effect of enkephalins on vasopressin and aldosterone levels in acute experimental myocardial ischemia] Prum IA, et al. **Biull Eksp Biol Med** 1984 Jul;97(7):18–9 (Eng. Abstr.) **(Rus)**

[Effect of an antidiuretic hormone on the aldosterone level in the blood plasma of rats with chronic water load and limited sodium intake] Shul'ga VA. **Biull Eksp Biol Med** 1984 Aug;97(8):137–9 (Eng. Abstr.) **(Rus)**

[Aldosterone, sodium and potassium concentrations in the blood of patients with myocardial infarction after acute hydrocortisone load] Iakobson MG, et al. **Kardiologiia** 1983 Sep;23(9):62–5 (Eng. Abstr.) **(Rus)**

[Cortisol and aldosterone content of the blood of patients with ischemic heart disease during treatment with alternating magnetic fields] Ponomarev IuT, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Mar–Apr; (2):33–5 (Eng. Abstr.) **(Rus)**

[The effect of combined radiotherapy on blood levels of ACTH, cortisol and aldosterone in cervical cancer] Modnikov OP. **Vopr Onkol** 1984;30(3):37–40 (Eng. Abstr.) **(Rus)**

[Juvenile essential hypertension. II. Plasma renin activity and levels of aldosterone at rest and after loading in children with juvenile essential hypertension] Javorková J, et al. **Cesk Pediatr** 1984 May;39(5):273–6 (Eng. Abstr.) **(Slo)**

[Effect of ACTH on plasma aldosterone in people with normal-sodium and low-sodium diets] López JM, et al. **Rev Med Chil** 1983 Feb;111(2):129–33 (Eng. Abstr.) **(Spa)**

CHEMICAL SYNTHESIS

Synthesis of 3 alpha, 5 alpha-tetrahydroaldosterone. Harnik M, et al. **J Steroid Biochem** 1984 Jun;20(6A):1313–20

DEFICIENCY

Hyporeninemic hypoaldosteronism in two patients with systemic lupus erythematosus. Kiley J, et al. **Am J Kidney Dis** 1984 Jul;4(1):39–43

Isolated adrenal mineralocorticoid deficiency due to amyloidosis associated with familial Mediterranean fever. Agmon D, et al. **Am J Med Sci** 1984 Jul–Aug;288(1):40–3

Heparin side effects [letter] Brohee D, et al. **Arch Intern Med** 1984 Aug;144(8):1693

Hyporeninemic hypoaldosteronism in infancy: a familial disease. Landier F, et al. **J Clin Endocrinol Metab** 1984 Jan;58(1):143–8

Primary hypoaldosteronism due to zona glomerulosa defect [letter] **N Engl J Med** 1984 May 24;310(21):1394–5

Acquired primary hypoaldosteronism due to an isolated zona glomerulosa defect. Williams FA Jr, et al. **N Engl J Med** 1983 Dec 29;309(26):1623–7

Hyporeninemic hypoaldosteronism in infancy. Monnens L, et al. **Nephron** 1983;35(2):140–2

[Oxyphenbutazone-induced hyperkalemia in selective hypoaldosteronism in adults (letter)] Merkt J. **Dtsch Med Wochenschr** 1983 Oct 7;108(40):1535–6 **(Ger)**

METABOLISM

Aldosterone in acromegaly. Marks P, et al. **Am J Med Sci** 1984 May–Jun;287(3):16–9

Aldosterone binding in isolated tubules. III. Autoradiography along the rat nephron. Farman N, et al. **Am J Physiol** 1983 Nov;245(5 Pt 1):F606–14

Sodium balance and aldosterone during dehydration and rehydration in the dog. Thrasher TN, et al. **Am J Physiol** 1984 Jul;247(1 Pt 2):R76–83

Evidence for dopaminergic control of aldosterone in man. Frisina N, et al. **Clin Endocrinol (Oxf)** 1983 Dec;19(6):741–5

Clinical disorders of aldosterone metabolism. Batlle DC, et al. **DM** 1984 May;30(8):1–55 (128 ref.)

Renal receptor-binding activity of reduced metabolites of aldosterone: evidence for a mineralocorticoid effect outside of the classic aldosterone receptor system. Gomez-Sanchez CE, et al. **Endocrinology** 1984 Aug;115(2):712–5

Aldosterone-binding sites in pregnant and lactating rat mammary glands. Quirk SJ, et al. **Endocrinology** 1983 Nov; 113(5):1812–7

Corticosteroid receptors in the kidney of chick embryo. III. Nature, properties, and ontogeny of aldosterone receptor. Lehoux JG, et al. **Gen Comp Endocrinol** 1984 Jan; 53(1):116–25

Effect of changes in sodium or potassium balance, and nephrectomy, on adrenal renin and aldosterone concentrations. Doi Y, et al. **Hypertension** 1984 Mar–Apr; 6(2 Pt 2):I124–9

In vitro responses of aldosterone-producing adenomas to angiotensin II and ACTH after treatment with spironolactone before adrenalectomy. Wisgerhof M. **J Lab Clin Med** 1984 Aug;104(2):160–5

Autoradiographic study of nuclear localization of aldosterone binding sites in intact renal cells: lack of temperature dependency. Farman N, et al. **J Steroid Biochem** 1984 Feb; 20(2):585–93

Aldosterone binding in the human colon carcinoma cell line HT29: correlation with cell differentiation. Lombes M, et al. **J Steroid Biochem** 1984 Jan;20(1):329–33

Paradoxical involvement of glucocorticoid receptors in the aldosterone-induced impairment of ACTH secretion from perifused pituitary glands. Sakly M, et al. **J Steroid Biochem** 1984 May;20(5):1101–4

Localization of aldosterone and corticosterone in the central nervous system, assessed by quantitative autoradiography. Birmingham MK, et al. **Neurochem Res** 1984 Mar; 9(3):333–50

Action of vasoactive intestinal peptide (VIP) on amphibian adrenocortical function, in vitro. Leboulenger F, et al. **Peptides (Fayetteville)** 1984 Mar–Apr;5(2):299–303

The effects of adrenal and gonadal steroids and K+-canrenoate on the metabolism of aldosterone by rat liver microsomes. Latif SA, et al. **Steroids** 1983 Sep; 42(3):283–97

[Effects of potassium on renin and aldosterone] Kotchen TA. **Arch Mal Coeur** 1984 Apr;77 Spec No:87–91 (Eng. Abstr.) **(Fre)**

[Hypoaldosteronism induced by heparin (letter)] Grimaldi A, et al. **Presse Med** 1983 Nov 26;12(43):2766–7 **(Fre)**

[Relation between kallikreinuria and the renin-angiotensin-aldosterone system in patients with arterial hypertension] Giermakowska-Kowalik T, et al. **Kardiol Pol** 1984;27(2):97–105 (Eng. Abstr.) **(Pol)**

[The renin-angiotensin-aldosterone system in liver cirrhosis] Chmielewska J. **Przegl Lek** 1983;40(8):619–22 (49 ref.) **(Pol)**

[Aldosterone binding by kidney cell receptors in adult and aging rats] Magdich LV, et al. **Fiziol Zh** 1984 Jan–Feb; 30(1):119–21 **(Rus)**

[Transfer of 3H-aldosterone from the cytosol receptors of the kidney tubule cells of rats to the nuclear ones in reflex and denervation dystrophies of this organ] Rodionov AA, et al. **Izv Akad Nauk SSSR [Biol]** 1983 Jul–Aug;(4):503–9 (Eng. Abstr.) **(Rus)**

[Mechanism of aldosterone reception in mammalian kidneys] Akimov IuA, et al. **Zh Obshch Biol** 1984 May–Jun; 45(3):383–90 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Effect of steroids on ACTH release from cultured pituitary cells of the rat. Julesz J, et al. **Acta Med Hung** 1984; 41(1):35–41

Effects of 18-hydroxycorticosterone and of aldosterone on acid-base parameters in the arterial blood of adrenalectomized rats. Damasco MC, et al. **Acta Physiol Lat Am** 1983;33(4):283–91

Induced development of proximal tubular NaKATPase, basolateral cell membranes and fluid reabsorption. Aperia A, et al. **Acta Physiol Scand** 1984 Jun;121(2):133–41

Aldosterone response in the turtle bladder is associated with an increase in ATP. Cortas N, et al. **Am J Physiol** 1983 Oct;245(4):F512–4

Corticosteroid alteration of active electrolyte transport in rat distal colon. Foster ES, et al. **Am J Physiol** 1983 Nov; 245(5 Pt 1):G668–75

Aldosterone effects on papillary collecting duct pH profile of the rat. Higashihara E, et al. **Am J Physiol** 1984 May; 246(5 Pt 2):F725–31

Inhibition of aldosterone-induced antinatriuresis and kaliuresis by actinomycin D. Horisberger JD, et al. **Am J Physiol** 1984 Feb;246(2 Pt 2):F201–4

Modification of carboxyl of Na+ channel inhibits aldosterone action on Na+ transport. Kipnowski J, et al. **Am J Physiol** 1983 Dec;245(6):F726–34

Influence of adrenalectomy and steroid replacement on heart citrate synthase levels. Marver D. **Am J Physiol** 1984 May; 246(5 Pt 1):E452–7

Effect of aldosterone on abundance and phosphorylation kinetics of Na-K-ATPase of toad urinary bladder. Park CS, et al. **Am J Physiol** 1984 Apr;246(4 Pt 2):F509–16

Dual action of aldosterone on toad bladder: Na+ permeability and Na+ pump modulation. Park CS, et al. **Am J Physiol** 1984 Apr;246(4 Pt 2):F517–25

Suppression of coupled Na-Cl absorption by aldosterone and dexamethasone in rat distal colon in vitro. Perrone RD, et al. **Am J Physiol** 1984 Jun;246(6 Pt 2):F785–93

Activating effect of aldosterone on carbonic anhydrase activity of rat small intestinal mucosa. Suzuki S, et al. **Ann NY Acad Sci** 1984;429:306–8

Effects of aldosterone and deoxycorticosterone on food intake and body weight. Devenport LD, et al. **Behav Neurosci** 1983 Aug;97(4):667–9

Steroid-induced protein synthesis in giant-toad (Bufo marinus) urinary bladders. Correlation with natriferic activity. Geheb M, et al. **Biochem J** 1984 Feb 15; 218(1):221–8

2-Mercapto-1-(beta-4-pyridethyl) benzimidazole inhibition of basal and aldosterone-stimulated sodium transport but prolongation of the transient theophylline-induced stimulation in the toad bladder. Lahav M. **Biochem Pharmacol** 1983 Nov 15;32(22):3271–8

Glucocorticoid inhibition of mineralocorticoid action in the rat. Kenyon CJ, et al. **Clin Sci** 1984 Sep;67(3):329–35

The nature of the increased sensitivity to injected GTP of the sodium efflux in barnacle muscle fibers pre-exposed to aldosterone. Bittar EE, et al. **Comp Biochem Physiol [A]** 1984;77(1):117–25

Insulin and aldosterone interaction on NA+ and K+ transport in cultured kidney cells (A6). Fidelman ML, et al. **Endocrinology** 1984 Sep;115(3):1171–8

Temporal effects of infused corticosterone and aldosterone on plasma glucose levels in the American bullfrog (Rana catesbeiana). Broughton RE, et al. **Gen Comp Endocrinol** 1984 Feb;53(2):325–30

Corticoids augment nuclear binding capacity for triiodothyronine in bullfrog tadpole tail fins. Suzuki MR, et al. **Gen Comp Endocrinol** 1983 Nov;52(2):272–8

Additive effects of aldosterone with vasopressin or angiotensin. Friedman SM. **Hypertension** 1984 Mar–Apr; 6(2 Pt 1):242–8

Direct action of aldosterone on transmembrane 22Na efflux from arterial smooth muscle. Rapid and delayed effects. Moura AM, et al. **Hypertension** 1984 May–Jun;6(3):425–30

Bile secretion and liver microsomal enzyme modifications after chronic treatment with aldosterone, spironolactone, or furosemide. Afifi F. **Indian J Exp Biol** 1983 Dec; 21(12):686–9

Aldosterone-stimulated sodium uptake by apical membrane vesicles from A6 cells. Sariban-Sohraby S, et al. **J Biol Chem** 1984 Sep 25;259(18):11221–5

Energetics of sodium transport in the urinary bladder of the toad. Effect of aldosterone and sodium cyanide. Cortas N, et al. **J Clin Invest** 1984 Jan;73(1):46–52

Stimulation of sodium transport by toad skin incubated with natural derivatives of corticosterone and deoxycorticosterone. Beauwens R, et al. **J Endocrinol** 1983 Nov;99(2):293–300

Aldosterone effects on water and electrolyte metabolism. Kenyon CJ, et al. **J Endocrinol** 1984 Jan;100(1):93–100

Effects of thyromimetic drugs on aldosterone-dependent sodium transport in the toad bladder. Geering K, et al. **J Membr Biol** 1984;77(1):15–23

Effects of thyroid hormones and aldosterone on mineralocorticoid binding sites in the toad bladder. Rossier BC, et al. **J Membr Biol** 1984;77(1):25–32

Effects of hormonal and electrical stimulation of sodium

transport on metabolism of toad urinary bladder. McLaughlin CW. **J Physiol (Lond)** 1984 Jan;346:419–37

Inhibition of corticotropin release in vitro by dexamethasone, aldosterone and spironolactone. Julesz J, et al. **J Steroid Biochem** 1983 Sep;19(3):1297–9

Brush border Mg2+–HCO–3–ATPase, supernatant carbonic anhydrase and other enzyme activities isolated from rat intestinal mucosa: effect of adrenalectomy and aldosterone administration. Suzuki S, et al. **J Steroid Biochem** 1983 Oct; 19(4):1419–33

Synergic effects of kallikrein–kinin and prostaglandins on renin release on infusion of isolated hog kidney with aldosterone. Gotoh S, et al. **Life Sci** 1984 May 14; 34(20):1913–8

Effects of aldosterone, methylprednisolone and triiodothyronine on the response to water loading in the conscious hypothyroid rat with diabetes insipidus. Michael UF, et al. **Miner Electrolyte Metab** 1984;10(3):190–8

Effect of aldosterone on the excretion of lithium in the adrenalectomized rat. Horisberger JD, et al. **Pflugers Arch** 1983 Nov;399(3):213–5

Short–term effects of aldosterone and dexamethasone on Na–K–ATPase along the rabbit nephron. El Mernissi G, et al. **Pflugers Arch** 1983 Oct;399(2):147–51

Short–term effect of aldosterone on renal sodium transport and tubular Na–K–ATPase in the rat. El Mernissi G, et al. **Pflugers Arch** 1983 Oct;399(2):139–46

Effect of aldosterone and dexamethasone pretreatment on sodium transport in rat distal colon in vitro. Perrone RD, et al. **Pflugers Arch** 1984 Mar;400(3):257–61

Relation of rates of excretion of urinary prostaglandin E metabolites to administration of angiotensin, aldosterone, and spironolactone in vivo. Fretland DJ, et al. **Prostaglandins Leukotrienes Med** 1984 Apr;14(1):65–78

[Molecular mechanisms of the effect of neurogenic dystrophy of the kidneys in the rat on the sensitivity of the organ to aldosterone] Azhipa IaI, et al. **Probl Endokrinol (Mosk)** 1984 Mar–Apr;30(2):56–60 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Renal potassium adaptation in the rat: role of glucocorticoids and aldosterone. Adam WR, et al. **Am J Physiol** 1984 Mar; 246(3 Pt 2):F300–8

Thirst and sodium appetite after colloid treatment in rats with septal lesions. Stricker EM. **Behav Neurosci** 1984 Apr; 98(2):356–60

Regulation of renal Na–K–ATPase in the rat. Role of the natural mineralo– and glucocorticoid hormones. Mujais SK, et al. **J Clin Invest** 1984 Jan;73(1):13–9

Control of Na+ and water absorption across vertebrate 'tight epithelia by adh and aldosterone. Lewis SA. **J Exp Biol** 1983 Sep;106:9–24 (33 ref.)

Explanation of the pseudohypoaldosteronism (PHA)–stress syndrome with an artificial aldosterone receptor model. Herkner K, et al. **J Steroid Biochem** 1984 Jan;20(1):317–20

Animal model to study the effect of adrenal hormones on epithelial function. Martin RS, et al. **Kidney Int** 1983 Sep; 24(3):386–91

Idiopathic hyperaldosteronism. A possible role for aldosterone–stimulating factor. Carey RM, et al. **N Engl J Med** 1984 Jul 12;311(2):94–100

The barnacle muscle fibre as a model system for the investigation of the ouabain–insensitive sodium efflux and hormonal actions. Bittar EE. **Prog Neurobiol** 1983; 20(1–2):1–54 (182 ref.)

Methylation increases sodium transport into A6 apical membrane vesicles: possible mode of aldosterone action. Sariban–Sohraby S, et al. **Science** 1984 Aug 17; 225(4663):745–6

SECRETION

In vivo evidence of cortisol secretion by aldosterone–producing adenomas. Nomura K, et al. **Acta Endocrinol (Copenh)** 1984 Aug;106(4):516–20

Long–term survival and aldosterone secretion pattern of aldosteronoma in culture. Okabe T, et al. **Acta Endocrinol (Copenh)** 1983 Dec;104(4):495–501

Adrenocortical function in patients with acute renal failure. Dulawa J, et al. **Acta Med Pol** 1982;23(1–2):79–89

Light and darkness effect on adrenocortical secretion of rats exposed to stress. Paluch A, et al. **Acta Physiol Pol** 1983 Jul–Aug;34(4):431–5

Hypertension caused by an aldosterone–secreting adenoma. Occurrence in a 7–year–old child. Bryer–Ash M, et al. **Am J Dis Child** 1984 Jul;138(7):673–6

Multiplicative interaction between angiotensin II and K concentration in stimulation of aldosterone. Young DB, et al. **Am J Physiol** 1984 Sep;247(3 Pt 1):E328–35

Evidence for a role of a serum factor stimulated by metoclopramide in regulating aldosterone secretion. Bevilacqua M, et al. **Biochem Biophys Res Commun** 1984 Feb 29;119(1):95–100

Effect of atrial natriuretic factor (ANF)–related peptides on aldosterone secretion by adrenal glomerulosa cells: critical role of the intramolecular disulphide bond. Chartier L, et al. **Biochem Biophys Res Commun** 1984 Jul 18;122(1):171–4

Aldosterone secretion: effect of phorbol ester and A23187. Kojima I, et al. **Biochem Biophys Res Commun** 1983 Oct 31;116(2):555–62

Therapeutic venous infarction of an aldosterone producing adenoma (Conn's tumour). Mathias CJ, et al. **Br Med J [Clin Res]** 1984 May 12;288(6428):1416–7

Effect of metoclopramide on aldosterone and regulatory factors in man. Gilchrist NL, et al. **Clin Endocrinol (Oxf)** 1984 Jul;21(1):1–7

Unilateral hypersecretion of aldosterone associated with adrenal hyperplasia as a cause of primary aldosteronism. Ganguly A, et al. **Clin Exp Hypertens [A]** 1983; 5(10):1635–58

Computed tomography and scintigraphy of aldosteronoma. A comparative study. Machida K, et al. **Clin Nucl Med** 1983 Dec;8(12):610–2

Dopaminergic regulation of aldosterone secretion: how credible? Ganguly A. **Clin Sci** 1984 Jun;66(6):631–7 (88 ref.)

Mechanism of the central effects of dopamine and metoclopramide on aldosterone regulation in the rat. Kawabe H, et al. **Endocrinol Jpn** 1983 Aug;30(4):543–9

Dopaminergic modulation of aldosterone secretion in the rat. Aguilera G, et al. **Endocrinology** 1984 Jan;114(1):176–81

Direct beta–adrenergic stimulation of aldosterone secretion in cultured bovine adrenal subcapsular cells. De Léan A, et al. **Endocrinology** 1984 Aug;115(2):485–92

Potassium stimulation of aldosterone secretion in vivo is reversed by nisoldipine, a calcium transport antagonist. Johnson EI, et al. **Endocrinology** 1984 Apr;114(4):1466–8

Aldosterone secretion, measurements of membrane potential and intracellular potassium activity in the isolated adrenal zone glomerulosa. Wiederholt M, et al. **FEBS Lett** 1984 Sep 3;174(2):211–4

Missing endogenous dopaminergic inhibition of aldosterone secretion in human CONN's adenoma tissue after heterotransplantation to thymusaplastic mice. Jungmann E, et al. **Horm Metab Res** 1983 Aug;15(8):413

Studies of impaired aldosterone response to spironolactone–induced renin and potassium elevations in adenomatous but not hyperplastic primary aldosteronism. Kater CE, et al. **Hypertension** 1983 Nov–Dec;5(6 Pt 3):V115–21

The effect of ovine corticotropin–releasing factor on catecholamine, vasopressin, and aldosterone secretion in normal man. Conaglen JV, et al. **J Clin Endocrinol Metab** 1984 Mar;58(3):463–6

Serine proteases selectively control the output of 18–hydroxycorticosterone and aldosterone in stimulated zona glomerulosa tissue of the rat adrenal. Raven PW, et al. **J Endocrinol** 1983 Oct;99(1):13–22

Effects of metoclopramide, a dopamine antagonist, on secretion of aldosterone and renin release in patients with primary aldosteronism. Mizuno K, et al. **Jpn Heart J** 1983 Nov;24(6):917–24

Pseudohypoparathyroidism (PHP) type II and selective hypoaldosteronism in a patient with retinitis pigmentosa. Hosojima H, et al. **Jpn J Med** 1984 May;23(2):144–8

Studies on acute glucose–induced aldosterone suppression: role of renin–angiotensin system. Nützi D, et al. **Klin Wochenschr** 1984 Mar 1;62(5):213–7

Naloxone potentiates ACTH and angiotension II but not potassium stimulated aldosterone secretion, in vitro. Lymangrover JR, et al. **Life Sci** 1983 Oct 17;33(16):1605–12

Evaluation of a test using saralasin to differentiate primary aldosteronism due to an aldosterone–producing adenoma from idiopathic hyperaldosteronism. Brown RD, et al. **Metabolism** 1984 Aug;33(8):734–8

Dopaminergic suppression of angiotensin II–induced aldosterone secretion in man: differential responses during sodium loading and depletion. Drake CR Jr, et al. **Metabolism** 1984 Aug;33(8):696–702

'Essential' hypertension with hypokalemia. Caused by aldosterone–secreting adrenal adenoma. Burke M, et al. **Postgrad Med** 1984 Aug;76(2):173, 176–8

Dopaminergic modulation of aldosterone secretion: effect of sodium balance and postural changes. García–Robles R, et al. **Rev Esp Fisiol** 1984 Mar;40(1):63–8

Radiographic case of the month. Aldosterone secreting adrenal tumor. Deutsch AM, et al. **RI Med J** 1984 Feb; 67(2):87–9

[Localization of aldosteronoma by dynamic focusing ultrasonography] Zhou YC. **Chung Hua I Hsueh Tsa Chih** 1983 Oct;63(10):596–8 (Eng. Abstr.) **(Chi)**

[Renin and aldosterone secretion under converting enzyme inhibition] Nakamura K. **Nippon Naibunpi Gakkai Zasshi** 1983 Aug 20; 59(8):1099–116 (Eng. Abstr.) **(Jpn)**

[Diagnosis of aldosterone–secreting tumors] Ojima M, et al. **Nippon Rinsho** 1983 Jun;41(6):1210–6 **(Jpn)**

[Renin–angiotensin system and the endocrine system] Kondo K, et al. **Rinsho Byori** 1984 Jan;Spec No 58:20–8 (27 ref.) **(Jpn)**

[Water–electrolyte regulating hormone and endocrinological tests] Tsutsui K, et al. **Rinsho Byori** 1984 Jan;Spec No 58:95–108 (36 ref.) **(Jpn)**

[Role of the epiphysis in the regulation of aldosterone secretion] Slepushkin VD, et al. **Probl Endokrinol (Mosk)** 1984 Jan–Feb;30(1):48–50 (Eng. Abstr.) **(Rus)**

TOXICITY

Role of renal hemodynamics and arterial pressure in aldosterone 'escape'. Hall JE, et al. **Hypertension** 1984 Mar–Apr;6(2 Pt 2):I183–92

URINE

Urinary kallikrein activity (esterase activity), plasma renin activity, and urinary aldosterone excretion in kidney transplantation patients. Miyashita A, et al. **Transplant Proc** 1983 Dec;15(4):2136–8

[Urinary sodium and aldosterone excretion in normal subjects in various time periods and their relationship to 24 hour total excretions] Ding JF. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1983 Jun; 5(3):193–5 (Eng. Abstr.) **(Chi)**

[Effect of renal hemodynamics, aldosterone and other factors on ascites formation in schistosomiasis] Yang JS, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1983 Aug; 5(4):235–9 (Eng. Abstr.) **(Chi)**

[The effect of dopaminergic stimulation and inhibition on the urinary excretion of aldosterone and kallikrein in spontaneously hypertensive rats] Minuz P, et al. **Boll Soc Ital Biol Sper** 1983 Oct 30;59(10):1435–41 (Eng. Abstr.) **(Ita)**

[Relation existing between the kallikrein–kinin and renin–angiotensin–aldosterone systems] Santucci A, et al. **Clin Ter** 1983 Aug 15;106(3):213–7 (Eng. Abstr.) **(Ita)**

[Effects of continued sodium chloride loading on urinary kallikrein, aldosterone and 6–keto–PGF1 alpha] Igari T, et al. **Nippon Jinzo Gakkai Shi** 1983 Jul;25(7):920–2 **(Jpn)**

[Steroid hormone dynamics in cold adaptation of rats of different inbred strains] Gerlinskaia LA, et al. **Probl Endokrinol (Mosk)** 1984 Jul–Aug;30(4):63–6 (Eng. Abstr.) **(Rus)**

ALDOSTERONE ANTAGONISTS

METABOLISM

Pharmacokinetics of the new aldosterone antagonist, spirorenone, in healthy volunteers after single and repeated daily doses. Krause W, et al. **Eur J Clin Pharmacol** 1983; 25(2):231–6

PHARMACODYNAMICS

The renal action of spirorenone and other 6 beta,7 beta; 15 beta,16 beta–dimethylene–17–spirolactones, a new type of steroidal aldosterone antagonists. Casals–Stenzel J, et al. **Arzneimittelforsch** 1984;34(3):241–6

THERAPEUTIC USE

[Anti–arrhythmic effect of competitive aldosterone antagonists] Merzon AK, et al. **Vrach Delo** 1984 Apr; (4):18–22 (Eng. Abstr.) **(Rus)**

ALDOSTERONISM see HYPERALDOSTERONISM

ALDRICH SYNDROME

[Discrepancy between the clinical and immunologic picture of in vitro diagnosis during transfer factor therapy in a patient with Wiscott–Aldrich syndrome] Schütt C, et al. **Folia Haematol (Leipz)** 1983;110(5):677–84 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Overwhelming sepsis in the adult variant of Wiskott–Aldrich syndrome. Horwich AL, et al. **Arch Intern Med** 1984 Jul; 144(7):1498–500

DIAGNOSIS

[Wiskott–Aldrich syndrome] Erttmann R, et al. **Monatsschr Kinderheilkd** 1983 Aug;131(8):524–7 (Eng. Abstr.) **(Ger)**

[Wiskott–Aldrich syndrome in a 2–year–old child] Kaczmarski M, et al. **Pediatr Pol** 1983 Apr;58(4):371–3 **(Pol)**

ETIOLOGY

[Wiskott–Aldrich syndrome in children] Kaczmarski M, et al. **Pediatr Pol** 1983 Apr;58(4):393–5 **(Pol)**

FAMILIAL & GENETIC

Acute immune complex mediated glomerulonephritis in a Chinese girl with Wiskott–Aldrich syndrome variant. Lin CY, et al. **Ann Allergy** 1984 Jul;53(1):74–8

IMMUNOLOGY

Epstein–Barr serology in immunodeficiencies: an attempt to correlate with immune abnormalities in Wiskott–Aldrich and Chediak–Higashi syndromes and ataxia telangiectasia. Vilmer E, et al. **Clin Exp Immunol** 1984 Feb;55(2):249–56

Disorders of regulatory T cell function in patients with the Wiskott–Aldrich syndrome. Zabay JM, et al. **Clin Exp Immunol** 1984 Apr;56(1):23–8

MICROBIOLOGY

High–titer SV40 replication in human fibroblast cell lines derived from patients with Wiskott–Aldrich syndrome. Miyamura T, et al. **Virology** 1983 Sep;129(2):479–83

OCCURRENCE

[Wiskott-Aldrich syndrome in Japan] Hayakawa H, et al. **Arerugi** 1983 May;32(5):241-52 (Eng. Abstr.) **(Jpn)**

THERAPY

Application of bone marrow transplantation in genetic diseases. Rappeport JM, et al. **Clin Haematol** 1983 Oct; 12(3):755-73 (61 ref.)

Long-term survival after bone marrow transplantation: a 15-year follow-up report of a patient with Wiskott-Aldrich syndrome. Meuwissen HJ, et al. **J Pediatr** 1984 Sep;105(3):365-9

ALEUTIAN MINK DISEASE

see related CHEDIAK-HIGASHI SYNDROME

DIAGNOSIS

Studies on the pathogenesis of Aleutian disease of mink. XI. Differentiation of immune complex glomerulonephritis. Müller-Peddinghaus R, et al. **Zentralbl Veterinarmed [B]** 1983 Jul;30(6):434-54

ETIOLOGY

Studies on the pathogenesis of Aleutian disease of mink. XII. Immunopathological determinants of immune complex glomerulonephritis. Müller-Peddinghaus R, et al. **Zentralbl Veterinarmed [B]** 1983 Aug;30(7):487-501

IMMUNOLOGY

Analysis of the quantity of antiviral antibodies from mink infected with different Aleutian disease virus strains. Aasted B, et al. **Scand J Immunol** 1984 May;19(5):395-402

Mink with Aleutian disease have high-affinity antiviral antibodies. Aasted B, et al. **Scand J Immunol** 1984 May; 19(5):411-8

MICROBIOLOGY

Aleutian disease virus, a parvovirus, is proteolytically degraded during in vivo infection in mink. Aasted B, et al. **J Virol** 1984 Jul;51(1):7-13

Royal pastel mink respond variously to inoculation with Aleutian disease virus of low virulence. Hadlow WJ, et al. **J Virol** 1984 Apr;50(1):38-41

ALEUTIAN MINK DISEASE VIRUS see under **VERTEBRATE VIRUSES, UNCLASSIFIED**

ALEXIA see **DYSLEXIA, ACQUIRED**

ALEXITHYMIA see **AFFECTIVE SYMPTOMS**

ALFALFA

Interactions of alfalfa plant and sprout saponins with cholesterol in vitro and in cholesterol-fed rats. Story JA, et al. **Am J Clin Nutr** 1984 Jun;39(6):917-29

The digestion of total and cell wall monosaccharides of alfalfa by sheep. Ben-Ghedalia D, et al. **J Nutr** 1984 May; 114(5):880-7

Quantitative studies of amino acid flow in the digestive tract of sheep fed alfalfa protein concentrates. Lu CD, et al. **J Nutr** 1983 Dec;113(12):2390-402

ADVERSE EFFECTS

Rumen conditions that predispose cattle to pasture bloat. Majak W, et al. **J Dairy Sci** 1983 Aug;66(8):1683-8

Systemic lupus erythematosus. Does diet play a causative role? Podell RN. **Postgrad Med** 1984 Jan;75(1):251-4

ANALYSIS

The isolation and identification of vitamin D2 and vitamin D3 from Medicago sativa (alfalfa plant). Horst RL, et al. **Arch Biochem Biophys** 1984 May 15;231(1):67-71

Analysis of coumestrol, a phytoestrogen, in alfalfa tablets sold for human consumption. Elakovich SD, et al. **J Agric Food Chem** 1984 Jan-Feb;32(1):173-5

MICROBIOLOGY

Symbiotic properties of adenine requiring mutants of Rhizobium meliloti strain L5-30. Malek W, et al. **Acta Microbiol Pol** 1983;32(1):19-24

Localization of nodulation gene on the chromosome of Rhizobium meliloti. Malek W. **Acta Microbiol Pol** 1983; 32(1):11-8

Rhizobia are attracted to localized sites on legume roots. Gulash M, et al. **Appl Environ Microbiol** 1984 Jul; 48(1):149-52

Rhizobium meliloti competitiveness and the alfalfa agglutinin. Handelsman J, et al. **J Bacteriol** 1984 Mar;157(3):703-7

TOXICITY

Elimination of toxicity from diets containing alfalfa seeds. Malinow MR, et al. **Food Chem Toxicol** 1984 Jul; 22(7):583-7

ALGAE

Carrageen: a local habitation or a name? Mitchell ME, et al. **J Ethnopharmacol** 1983 Dec;9(2-3):347-51

[Algal infections in man and animals] Mettler F. **Schweiz Arch Tierheilkd** 1983 Jul;125(7):433-42 (50 ref.) (Eng. Abstr.) **(Ger)**

[Algae as allergens] Bergman B, et al. **Lakartidningen** 1983 Dec 7;80(49):4792-5 (Eng. Abstr.) **(Swe)**

ANALYSIS

Two simple procedures for isolation of allophycocyanin II from Anacystis nidulans. Gombos Z, et al. **Anal Biochem** 1984 Feb;136(2):491-2

Amino acid sequence of a ferredoxin from Bumilleriopsis filiformis, a yellow-green alga: relationship with red algae, protoflorideophyceae, and filamentous blue-green algae. Inoue K, et al. **J Biochem (Tokyo)** 1983 Nov;94(5):1451-5

Polysaccharide localization, coccolith formation, and Golgi dynamics in the coccolithophorid Hymenomonas carterae. van der Wal P, et al. **J Ultrastruct Res** 1983 Nov; 85(2):139-58

Human polypeptidic hormone-like substances in microorganisms. Ghione M, et al. **Microbiologica** 1983 Oct; 6(4):315-26

[Chemical composition of the most frequently encountered Black Sea algae and a trial of their biological activity on the laying capacity of hens] Bratova K, et al. **Vet Med Nauki** 1983;20(7):83-8 (Eng. Abstr.) **(Bul)**

[Vitamin content of Scenedesmus quadricauda. I. Biotin, niacin and riboflavin] Dias G de O, et al. **Rev Latinoam Microbiol** 1982 Jan-Mar;24(1):35-8 (Eng. Abstr.) **(Por)**

CYTOLOGY

A technique for the enumeration of unicellular algae. Elnabarawy MT, et al. **Bull Environ Contam Toxicol** 1984 Mar;32(3):333-8

DRUG EFFECTS

Effect of oil and dispersant on growth and chlorophyll a content of the marine microalga Tetraselmis suecica. Fabregas J, et al. **Appl Environ Microbiol** 1984 Feb; 47(2):445-7

Fate and effects of atrazine in small aquatic microcosms. Brockway DL, et al. **Bull Environ Contam Toxicol** 1984 Mar;32(3):345-53

Effect of insecticides on soil algal population. Muralikrishna PV, et al. **Bull Environ Contam Toxicol** 1984 Aug; 33(2):241-5

Use of a mixed algal culture to characterize industrial wastewaters. Claesson A. **Ecotoxicol Environ Safety** 1984 Feb;8(1):80-96

Toxicological evaluation of nitrofurazone and furaltadone on Selenastrum capricornutum, Daphnia magna, and Musca domestica. Macri' A, et al. **Ecotoxicol Environ Safety** 1984 Apr;8(2):101-5

ENZYMOLOGY

Chemical properties, distribution, and physiology of plant and algal carbonic anhydrases. Graham D, et al. **Ann NY Acad Sci** 1984;429:222-37

GROWTH & DEVELOPMENT

Heterotrophic bacteria accompanying Stichococcus bacillaris in laboratory cultures. Bisz-Konarzewska A, et al. **Acta Microbiol Pol** 1983;32(3):289-95

On the toxic effects of tetraethyl lead and its derivatives on the chrysophyte Poterioochromonas malhamensis. IV. Influence of lead antidotes and related agents. Röderer G. **Chem Biol Interact** 1983 Sep 1;46(2):247-54

[Morphological aspect and chemical composition of Skeletonema costatum (Bacillariophyceae) growing in natural nutritive media with the aid of a culture system of dialysing fibers] Marsot P, et al. **Can J Microbiol** 1983 Oct;29(10):1235-40 (Eng. Abstr.) **(Fre)**

ISOLATION & PURIFICATION

[A case of diagnosis of drowning by means of cremated bones] Mikami Y, et al. **Nippon Hoigaku Zasshi** 1983 Apr; 37(2):125-6 (Eng. Abstr.) **(Jpn)**

METABOLISM

Plankton photosynthesis, extracellular release and bacterial utilization of released dissolved organic carbon (RDOC) in lakes of different trophy. Chróst RJ. **Acta Microbiol Pol** 1983;32(3):275-87

Studies on the utilization of octane by algae. Zawadzki Z, et al. **Acta Microbiol Pol** 1983;32(2):191-6

Accumulation of metabolites by halotolerant algae and its industrial potential. Ben-Amotz A, et al. **Annu Rev Microbiol** 1983;37:95-119 (192 ref.)

The utilization of inorganic and organic phosphorus compounds as nutrients by eukaryotic microalgae: a multidisciplinary perspective. Part 2. Cembella AD, et al. **CRC Crit Rev Microbiol** 1984;11(1):13-81 (680 ref.)

The utilization of inorganic and organic phosphorous compounds as nutrients by eukaryotic microalgae: a multidisciplinary perspective: part 1. Cembella AD, et al. **CRC Crit Rev Microbiol** 1984;10(4):317-91 (680 ref.)

Electron transport system activity in soil, sediment, and pure cultures. Trevors JT. **CRC Crit Rev Microbiol** 1984; 11(2):83-100 (65 ref.)

Ca2+-dependent deposits at the plasmalemma of Chara internodal cells. Heumann HG. **Histochemistry** 1983; 79(1):69-75

Accidental release of fluoride into experimental pond and accumulation in sediments, plants, algae, molluscs and fish. Kudo A, et al. **Regul Toxicol Pharmacol** 1983 Sep; 3(3):189-98

PHYSIOLOGY

Cyanobacteria-eukaryotic plant symbioses. Stewart WD, et al. **Ann Microbiol (Paris)** 1983 Jul-Aug;134B(1):205-28 (82 ref.)

Observations of exocytosis in fucus vesiculosus gametes using video-enhanced light microscopy: a video report. Allen NS, et al. **Cell Motil** 1984;4(1):25-7

Fertilization in brown algae. V. Further investigations of lectins as surface probes. Catt JW, et al. **Exp Cell Res** 1983 Aug;147(1):127-33

On the origin of terpenes in symbiotic associations between marine invertebrates and algae (zooxanthellae). Culture studies and an application of 13C/12C isotope ratio mass spectrometry. Kokke WC, et al. **J Biol Chem** 1984 Jul 10; 259(13):8168-73

ULTRASTRUCTURE

Ultrastructure of Anaulus creticus Drebes & Schulz with special reference to its reduced ocelli. Schulz D, et al. **Eur J Cell Biol** 1984 Jan;33(1):43-51

Ultrastructure of the dinoflagellate amphiesma. Morrill LC, et al. **Int Rev Cytol** 1983;82:151-80

Three-dimensional structure of a membrane-microtubule complex. Murray JM. **J Cell Biol** 1984 Jan;98(1):283-95

ALGAE, BLUE-GREEN

Cyanophages. Gromov BV. **Ann Microbiol (Paris)** 1983 Jul-Aug;134B(1):43-59 (43 ref.)

Spirulina, the edible microorganism. Ciferri O. **Microbiol Rev** 1983 Dec;47(4):551-78 (179 ref.)

Clinical and pathological changes in sheep experimentally poisoned by the blue-green alga Microcystis aeruginosa. Jackson AR, et al. **Vet Pathol** 1984 Jan;21(1):102-13

Cyanobacterial poisoning hazard in British freshwaters [letter] Codd GA. **Vet Rec** 1983 Sep 3;113(10):223-4

[Risk for alga poisoning has increased. Dogs dying after a bath in the Baltic Sea] Lind MG, et al. **Lakartidningen** 1983 Jul 13;80(28-29):2734-7 **(Swe)**

ANALYSIS

The structure of a 'simple' phycobilisome. Glazer AN, et al. **Ann Microbiol (Paris)** 1983 Jul-Aug;134B(1):159-80 (36 ref.)

Redox potentials of algal and cyanobacterial flavodoxins. Sykes GA, et al. **Biochem J** 1984 Feb 1;217(3):845-50

Purification and characterization of thioredoxin from the N2-fixing cyanobacterium Anabaena cylindrica. Ip SM, et al. **Eur J Biochem** 1984 Jun 15;141(3):497-504

Lipopolysaccharides of the cyanobacterium Microcystis aeruginosa. Raziuddin S, et al. **Eur J Biochem** 1983 Dec 1;137(1-2):333-6

Ferredoxin from Aphanothece halophitica, a unicellular blue-green alga: close relationship to ferredoxins from filamentous blue-green algae and phylogenetic implications. Hase T, et al. **J Biochem (Tokyo)** 1983 Nov; 94(5):1457-64

Amino acid sequence of a ferredoxin from Bumilleriopsis filiformis, a yellow-green alga: relationship with red algae, protoflorideophyceae, and filamentous blue-green algae. Inoue K, et al. **J Biochem (Tokyo)** 1983 Nov;94(5):1451-5

X-ray diffraction studies on photosystem I fragments from a blue-green alga, Anabaena variabilis, and spinach. Tsukamoto Y, et al. **J Biochem (Tokyo)** 1984 Feb; 95(2):575-9

Main chain fold of a [2Fe-2S]ferredoxin I from Aphanothece sacrum at 2.5 A resolution. Tsutsui T, et al. **J Biochem (Tokyo)** 1983 Jul;94(1):299-302

Core substructure in cyanobacterial phycobilisomes. Gingrich JC, et al. **J Cell Biochem** 1983;22(1):1-14

Isolation of polysomes from Nostoc sp. MAC and translation of messenger RNA in a heterologous cell-free system. Gupta M, et al. **J Gen Microbiol** 1983 Aug;129 (Pt 8):2359-66

[Fractionation of phycobilisomes from the blue-green alga Nostoc muscorum] Bekasova OD, et al. **Mol Biol (Mosk)** 1984 Jan-Feb;18(1):262-71 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

The cyanobacteriales: a legitimate order based on the type strain Cyanobacterium stanieri? Rippka R, et al. **Ann Microbiol (Paris)** 1983 Jul-Aug;134B(1):21-36

DRUG EFFECTS

Effects of pesticides on cyanobacterium Plectonema boryanum and cyanophage LPP-1. Mallison SM 3d, et al. **Appl Environ Microbiol** 1984 May;47(5):910-4

Interaction effects of permethrin and atrazine combinations towards several nontarget microorganisms. Stratton GW. **Bull Environ Contam Toxicol** 1983 Sep;31(3):297–303

ENZYMOLOGY

Ribulose 1,5–bisphosphate carboxylase from the halophilic cyanobacterium Aphanothece halophytica. Asami S, et al. **Arch Biochem Biophys** 1983 Sep;225(2):713–21

Extra proton translocation and membrane potential generation—universal properties of cytochrome bc1/b6f complexes reconstituted into liposomes. Hurt EC, et al. **Arch Biochem Biophys** 1983 Sep;225(2):879–85

Interaction of constituent subunits in ribulose 1,5–bisphosphate carboxylase from Aphanothece halophytica. Takabe T, et al. **Arch Biochem Biophys** 1984 Feb 15;229(1):202–11

Essentiality of the small subunit (B) in the catalysis of RuBP carboxylase/oxygenase is not related to substrate–binding in the large subunit (A). Takabe T, et al. **Biochem Biophys Res Commun** 1984 Jul 31;122(2):763–9

Isolation, purification and characterization of the ATPase complex from the thermophilic cyanobacterium Synechococcus 6716. Lubberding HJ, et al. **Eur J Biochem** 1983 Dec 1;137(1–2):95–9

Characterization of reconstituted ATPase complex proteoliposomes prepared from the thermophilic cyanobacterium Synechococcus 6716. van Walraven HS, et al. **Eur J Biochem** 1983 Dec 1;137(1–2):101–6

Impact of isozymes upon partitioning of carbon flow and regulation of aromatic biosynthesis in prokaryotes. Byng GS, et al. **Isozymes Curr Top Biol Med Res** 1983;8:115–40

Cloning of nitrate reductase genes from the cyanobacterium Anacystis nidulans. Kuhlemeier CJ, et al. **J Bacteriol** 1984 Jul;159(1):36–41

D–erythrose supports nitrogenase activity in isolated Anabaena sp. strain 7120 heterocysts. Privalle LS, et al. **J Bacteriol** 1984 Feb;157(2):350–6

Purification and properties of glutathione reductase from the cyanobacterium Anabaena sp. strain 7119. Serrano A, et al. **J Bacteriol** 1984 Apr;158(1):317–24

Purification of a high molecular weight membrane protein by fast protein liquid chromatography: the ATPase complex of a thermophilic cyanobacterium. van Walraven HS, et al. **J Biochem Biophys Methods** 1984 May;9(2):163–9

Spirulina ferredoxin–NADP+ reductase. Further characterization with an improved preparation. Wada K, et al. **J Biochem (Tokyo)** 1983 Aug;94(2):387–93

Spirulina ferredoxin–NADP+ reductase. The complete amino acid sequence. Yao Y, et al. **J Biochem (Tokyo)** 1984 May;95(5):1513–6

The gene for the small subunit of ribulose–1,5–bisphosphate carboxylase/oxygenase is located close to the gene for the large subunit in the cyanobacterium Anacystis nidulans 6301. Shinozaki K, et al. **Nucleic Acids Res** 1983 Oct 25; 11(20):6957–64

GENETICS

Organization and transcription of genes important in Anabaena heterocyst differentiation. Haselkorn R, et al. **Ann Microbiol (Paris)** 1983 Jul–Aug;134B(1):181–93

Resistance of DNA from filamentous and unicellular cyanobacteria to restriction endonuclease cleavage. Lambert GR, et al. **Biochim Biophys Acta** 1984 Feb 24; 781(1–2):45–55

Length of foreign DNA in chimeric plasmids determines the efficiency of its integration into the chromosome of the cyanobacterium Synechococcus R2. Kolowsky KS, et al. **Gene** 1984 Mar;27(3):289–99

The complete nucleotide sequence of a 23S rRNA gene from a blue–green alga, Anacystis nidulans. Kumano M, et al. **Gene** 1983 Oct;24(2–3):219–25

Stable integration of foreign DNA into the chromosome of the cyanobacterium Synechococcus R2. Williams JG, et al. **Gene** 1983 Sep;24(1):37–51

Photosynthetic mutants of the cyanobacteria Synechocystis sp. strains PCC 6714 and PCC 6803: sodium p–hydroxymercuribenzoate as a selective agent. Astier C, et al. **J Bacteriol** 1984 May;158(2):659–64

Polyadenylated RNA in two filamentous cyanobacteria. Crouch DH, et al. **J Bacteriol** 1983 Nov;156(2):979–82

Shuttle cloning vectors for the cyanobacterium Anacystis nidulans. Gendel S, et al. **J Bacteriol** 1983 Oct; 156(1):148–54

Optimal conditions for genetic transformation of the cyanobacterium Anacystis nidulans R2. Golden SS, et al. **J Bacteriol** 1984 Apr;158(1):36–42

Two tuf genes in the cyanobacterium Spirulina platensis. Tiboni O, et al. **J Bacteriol** 1984 Jul;159(1):407–9

Transfer of nitrate reductase genes of the cyanobacterium Nostoc muscorum into Rhizobium japonicum. Singh RK, et al. **J Gen Microbiol** 1983 Aug;129 (Pt 8):2531–4

Heterocyst differentiation in Cylindrospermum licheniforme: studies on the role of transcription. Van de Water S, et al. **J Gen Microbiol** 1984 Apr;130 (Pt 4):789–96

Complete nucleotide sequence of the 23S rRNA gene of the Cyanobacterium, Anacystis nidulans. Douglas SE, et al. **Nucleic Acids Res** 1984 Apr 11;12(7):3373–86

A host–vector system for gene cloning in the cyanobacterium Anacystis nidulans R2. Kuhlemeier CJ, et al. **Plasmid** 1983 Sep;10(2):156–63

A restriction map of plasmid pDC1 from the filamentous cyanobacterium Nostoc sp. MAC PCC 8009. Lambert G, et al. **Plasmid** 1983 Sep;10(2):196–8

Construction of shuttle vectors capable of conjugative transfer from Escherichia coli to nitrogen–fixing filamentous cyanobacteria. Wolk CP, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(5):1561–5

GROWTH & DEVELOPMENT

Some aspects of the ecophysiology of cyanobacteria. Mur LR. **Ann Microbiol (Paris)** 1983 Jul–Aug;134B(1):61–72

The effect of suspended particulate material on cyanobacteria—cyanophage interactions in liquid culture. Barnet YM, et al. **J Appl Bacteriol** 1984 Feb;56(1):109–15

Na+ requirement for growth, photosynthesis, and pH regulation in the alkalotolerant cyanobacterium Synechococcus leopoliensis. Miller AG, et al. **J Bacteriol** 1984 Jul;159(1):100–6

Heterocyst differentiation in the cyanobacterium Mastigocladus laminosus. Nierzwicki–Bauer SA, et al. **J Bacteriol** 1984 Feb;157(2):514–25

METABOLISM

Modes of cyanobacterial carbon metabolism. Smith AJ. **Ann Microbiol (Paris)** 1983 Jul–Aug;134B(1):93–113 (91 ref.)

Biosynthesis of phycocyanobilin from exogenous labeled biliverdin in Cyanidium caldarium. Beale SI, et al. **Arch Biochem Biophys** 1983 Nov;227(1):279–86

Photoacoustic spectroscopy of Anacystis nidulans. III. Detection of photosynthetic activities. Carpentier R, et al. **Arch Biochem Biophys** 1984 Feb 1;228(2):534–43

Two chlorophyll–binding subunits of the photosystem 2 reaction center complex isolated from the thermophilic cyanobacterium Synechococcus sp. Yamagishi A, et al. **Arch Biochem Biophys** 1983 Sep;225(2):836–46

Na+/H+ exchange in the cyanobacterium Synechococcus 6311. Blumwald E, et al. **Biochem Biophys Res Commun** 1984 Jul 18;122(1):452–9

Vanadate and dicyclohexylcarbodiimide insensitive proton extrusion from oxygen pulsed cells of the cyanobacterium Anacystis nidulans. Nitschmann WH, et al. **Biochem Biophys Res Commun** 1984 Aug 30;123(1):358–64

Purification of the elongation factor Tu (EF–Tu) from the cyanobacterium Spirulina platensis. Tiboni O, et al. **Eur J Biochem** 1983 Nov 2;136(2):241–4

Glutamine and glutamate transport by Anabaena variabilis. Chapman JS, et al. **J Bacteriol** 1983 Oct;156(1):122–9

Siderophore–mediated iron uptake in different strains of Anabaena sp. Goldman SJ, et al. **J Bacteriol** 1983 Dec; 156(3):1144–50

Oxygen–dependent proton efflux in cyanobacteria (blue–green algae). Scherer S, et al. **J Bacteriol** 1984 May; 158(2):609–14

Metabolic activities of isolated akinetes of the cyanobacterium Nostoc spongiaeforme. Thiel T, et al. **J Bacteriol** 1983 Oct;156(1):369–74

Thioredoxins and the redox modulation of glucose–6–phosphate dehydrogenase in Anabaena sp. strain PCC 7120 vegetative cells and heterocysts. Udvardy J, et al. **J Bacteriol** 1984 Feb;157(2):681–3

Aerobic hydrogen production by the heterocystous cyanobacteria Anabaena spp. strains CA and 1F. Zhang XK, et al. **J Bacteriol** 1983 Dec;156(3):1118–22

A new EPR signal associated with photosystem 1 of algal and plant photosynthesis. Hiyama T, et al. **J Biochem (Tokyo)** 1984 Mar;95(3):855–60

Inhibition of photosystem II of nitrogen–fixing blue–green alga Nostoc linckia by the rice–field herbicide benthiocarb. Singh RK, et al. **Z Allg Mikrobiol** 1983;23(7):435–41

Effect of temperature on chlorophyll stability of some subaerial blue–green algae. Tripathi SN. **Z Allg Mikrobiol** 1983;23(7):443–6

[Energy migration in phycobilisomes] Sineshchekov VA, et al. **Mol Biol (Mosk)** 1984 Mar–Apr;18(2):447–56 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Cyanobacteria–eukaryotic plant symbioses. Stewart WD, et al. **Ann Microbiol (Paris)** 1983 Jul–Aug;134B(1):205–28 (82 ref.)

Cyanobacterial stimulation of growth and oxygen uptake by Legionella pneumophila. Bohach GA, et al. **Appl Environ Microbiol** 1983 Aug;46(2):528–31

Characterization of surfaces involved in adherence of Legionella pneumophila to Fischerella species. Bohach GA, et al. **Infect Immun** 1983 Oct;42(1):318–25

Structure and function of respiratory membranes in cyanobacteria (blue–green algae). Peschek GA. **Subcell Biochem** 1984;10:85–191 (482 ref.)

Instability and variable toxicity of HBP–Tx, a toxin in the cyanobacterium Microcystis aeruginosa. Amann MJ. **Toxicon** 1984;22(1):107–14

ULTRASTRUCTURE

Three–dimensional structure of the regularly constructed surface layer from Synechocystis sp. strain CLII. Karlsson B, et al. **J Bacteriol** 1983 Dec;156(3):1338–43

Effect of iron deficiency and iron restoration on ultrastructure of Anacystis nidulans. Sherman DM, et al. **J Bacteriol** 1983 Oct;156(1):393–401

ALGAE, BROWN see under ALGAE

ALGAE, GREEN

ANALYSIS

The quality of protein from algae used in the purification of wastewater from the nitrogen fertilizer industry. Miernik A. **Acta Microbiol Pol** 1983;32(3):269–74

Cardiac inhibitory action of constituents of the marine green alga Ulva pertusa. Yamada K, et al. **J Pharm Sci** 1983 Aug; 72(8):945–6

Swan thyroid glands and river algae as indicators of iodine–125 and iodine–131 in the River Trent and its tributaries. Howe JR, et al. **Sci Total Environ** 1984 May 1;35(3):387–401

[Vitamin content of Scenedesmus quadricauda. II. Vitamin B 12] Robbs PG, et al. **Rev Latinoam Microbiol** 1983 Oct–Dec;25(4):275–80 (Eng. Abstr.) **(Por)**

DRUG EFFECTS

Study on the toxicity of sodium bromide to different freshwater organisms. Canton JH, et al. **Food Chem Toxicol** 1983 Aug;21(4):369–78

ENZYMOLOGY

Evidence for solvent–induced conformational changes of the soluble Dunaliella chloroplast coupling factor 1 (CF1). Selman–Reimer S, et al. **FEBS Lett** 1984 Jun 11; 171(2):262–6

Thymidylate kinase from Acetabularia. II. Regulation during the life cycle. de Groot EJ, et al. **J Cell Sci** 1983 Nov; 64:27–36

Thymidylate kinase from Acetabularia. I. Properties of the enzyme. de Groot EJ, et al. **J Cell Sci** 1983 Nov;64:13–25

METABOLISM

The binding of selenium to the lipids of two unicellular marine algae. Gennity JM, et al. **Biochem Biophys Res Commun** 1984 Jan 13;118(1):176–82

Evidence for an incomplete dolichyl–phosphate pathway of lipoglycan formation in Volvox carteri f. nagariensis. Müller T, et al. **Eur J Biochem** 1984 Jan 2;138(1):153–9

Morphology and movement of cellulose synthesizing (terminal) complexes in Oocystis solitaria: evidence that microfibril assembly is the motive force. Quader H. **Eur J Cell Biol** 1983 Nov;32(1):174–7

[Chlorophyll–protein complexes from green algae and higher plants. Heterogeneity of chloroplast complexes from dimorphous tissue of C4 plant leaves] Fomina IR, et al. **Biokhimiia** 1983 Oct;48(10):1604–10 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

The problems of Prochloron. Lewin RA. **Ann Microbiol (Paris)** 1983 Jul–Aug;134B(1):37–41

Effects of diazepam on mitosis and basal body duplication of synchronously dividing flagellate cells. Marano F, et al. **Biol Cell** 1984;50(2):163–72

The influence of the nucleus on the regulation of the dCMP deaminase in acetabularia. Bannwarth H, et al. **Cell Biol Int Rep** 1983 Oct;7(10):859–68

Cell motility during wound healing in giant algal cells: contraction in detergent–permeabilized cell models of Ernodesmis. La Claire JW2d. **Eur J Cell Biol** 1984 Mar; 33(2):180–9

Effects of different factors on the sporulation of Pithophora oedogonia (Mont.) Wittrock. Agrawal SC, et al. **Z Allg Mikrobiol** 1983;23(6):347–50

RADIATION EFFECTS

Offset of the vacuolar potential of Characean cells in response to electromagnetic radiation over the range 250 Hz–250 kHz. Montaigne K, et al. **Bioelectromagnetics** 1984; 5(1):31–8

ULTRASTRUCTURE

Flagellar apparatus absolute orientations and the phylogeny of the green algae. O'Kelly CJ, et al. **Biosystems** 1983–84; 16(3–4):227–51 (93 ref.)

Rhythmic chloroplast migration in the green alga Ulva: dissection of movement mechanism by differential inhibitor effects. Britz SJ, et al. **Eur J Cell Biol** 1983 Jul;31(1):1–8

Striated flagellar roots: isolation and partial characterization of a calcium–modulated contractile organelle. Salisbury JL, et al. **J Cell Biol** 1984 Sep;99(3):962–70

Ultrastructure and development of the flagellar apparatus and flagellar motion in the colonial graeen alga Astrephomene gubernaculifera. Hoops HJ, et al. **J Cell Sci** 1983 Sep;63:21–41

ALGAE, RED

ANALYSIS

Redox potentials of algal and cyanobacterial flavodoxins. Sykes GA, et al. **Biochem J** 1984 Feb 1;217(3):845–50

Amino acid sequence of a ferredoxin from Bumilleriopsis filiformis, a yellow–green alga: relationship with red algae, protoflorideophyceae, and filamentous blue–green algae. Inoue K, et al. **J Biochem (Tokyo)** 1983 Nov;94(5):1451–5

[Molecular organization and pigment composition of R-phycoerythrin from the red alga Callithamnion rubosum] Stadnichuk IN, et al. **Mol Biol (Mosk)** 1984 Mar-Apr;18(2):343-9 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Three c-type cytochromes from the red alga Porphyridium cruentum. Evans PK, et al. **Arch Biochem Biophys** 1983 Dec;227(2):494-510

Depression of nitrate reductase in the presence of excess ammonium in a unicellular alga growing under conditions of phosphate limitation. Di Martino Rigano V, et al. **Biochem Biophys Res Commun** 1984 Feb 29;119(1):259-64

Ferrochelatase activity in the photosynthetic alga Cyanidium caldarium. Development of the enzyme during biosynthesis of photosynthetic pigments. Brown SB, et al. **Biochem J** 1984 Jun 15;220(3):861-3

METABOLISM

The binding of selenium to the lipids of two unicellular marine algae. Gennity JM, et al. **Biochem Biophys Res Commun** 1984 Jan 13;118(1):176-82

Biosynthesis of phycobiliproteins. Incorporation of biliverdin into phycocyanin of the red alga Cyanidium caldarium. Brown SB, et al. **Biochem J** 1984 May 1;219(3):905-9

Biosynthesis of the chromophore of phycobiliproteins. A study of mesohaem and mesobiliverdin as possible intermediates and further evidence for an algal haem oxygenase. Brown SB, et al. **Biochem J** 1984 Jan 1; 217(1):265-72

Energy transfer and distribution in the red alga Porphyra perforata studied using picosecond fluorescence spectroscopy. Karukstis KK, et al. **Biochim Biophys Acta** 1984 Jul 27;766(1):141-7

Bilin attachment sites in the alpha and beta subunits of B-phycoerythrin. Amino acid sequence studies. Lundell DJ, et al. **J Biol Chem** 1984 May 10;259(9):5472-80

Bilin attachment sites in the alpha and beta subunits of B-phycoerythrin. Structural studies on the singly linked phycoerythrobilins. Schoenleber RW, et al. **J Biol Chem** 1984 May 10;259(9):5485-9

Bilin attachment sites in the alpha and beta subunits of B-phycoerythrin. Structural studies on a doubly peptide-linked phycoerythrobilin. Schoenleber RW, et al. **J Biol Chem** 1984 May 10;259(9):5481-4

PHYSIOLOGY

Elucidation of fertilization and development in a red alga by quantitative DNA microspectrofluorometry. Goff LJ, et al. **Dev Biol** 1984 Mar;102(1):173-94

ALGAL BLOOM see **EUTROPHICATION**

ALGINATES

Effect of fluoride-containing alginates and gels on the acid resistance of demineralized human enamel. Hattab F. **Acta Odontol Scand** 1984 Jun;42(3):175-81

Sorbsan calcium alginate fibre dressings in footcare. Fraser R, et al. **Biomaterials** 1983 Jul;4(3):222-4

Wound treatment with Sorbsan--an alginate fibre dressing. Gilchrist T, et al. **Biomaterials** 1983 Oct;4(4):317-20

Comparison of the structure and properties of conventional and siliconised alginates. Williams KR, et al. **Br Dent J** 1983 Dec 24;155(12):415-8

A new method for the three-dimensional in vitro growth of human cancer cells. Kupchik HZ, et al. **Exp Cell Res** 1983 Sep;147(2):454-60

A histological review of hydrocolloids and an investigation of the dimensional accuracy of the new alginates for crown and bridge impressions when using stock trays. Hansson O, et al. **Swed Dent J** 1984;8(2):81-95

Gelatine-alginate complex gel: a new acoustically tissue-equivalent material. Bush NL, et al. **Ultrasound Med Biol** 1983 Sep-Oct;9(5):479-84

ADMINISTRATION & DOSAGE

Reduction in the absorption and retention of strontium in rats. Slat B, et al. **Health Phys** 1971 Dec;21(6):811-4

ADVERSE EFFECTS

Increased vomiting induced by an antiemetic drug. Sinaasappel M, et al. **Arch Dis Child** 1984 Mar;59(3):272-4

[Occupational hygiene risk in the preparation of irreversible hydrocolloids (lead-dust-'dust-free' alginate)] Jordan T, et al. **Zahn Mund Kieferheilkd** 1983;71(7):700-8 (Eng. Abstr.) **(Ger)**

GENETICS

Cloning of genes controlling alginate biosynthesis from a mucoid cystic fibrosis isolate of Pseudomonas aeruginosa. Darzins A, et al. **J Bacteriol** 1984 Jul;159(1):9-18

IMMUNOLOGY

Detection of antibodies to Pseudomonas aeruginosa alginate extracellular polysaccharide in animals and cystic fibrosis patients by enzyme-linked immunosorbent assay. Bryan LE, et al. **J Clin Microbiol** 1983 Aug;18(2):276-82

Antibody to Pseudomonas aeruginosa mucoid exopolysaccharide and to sodium alginate in cystic fibrosis serum. Speert DP, et al. **Pediatr Res** 1984 May;18(5):431-3

METABOLISM

Cloning and expression in Pseudomonas aeruginosa of a gene involved in the production of alginate. Goldberg JB, et al. **J Bacteriol** 1984 Jun;158(3):1115-21

Incorporation of isotope from specifically labeled glucose into alginates of Pseudomonas aeruginosa and Azotobacter vinelandii. Lynn AR, et al. **J Bacteriol** 1984 Jun; 158(3):1161-2

PHARMACODYNAMICS

Effect of topical application of alginate containing fluoride or fluoride and chlorhexidine on dental caries in rats. Hattab F. **Caries Res** 1984;18(4):367-74

A comparison of contact plate and calcium alginate swab techniques for quantitative assessment of bacteriological contamination of environmental surfaces. Scott E, et al. **J Appl Bacteriol** 1984 Apr;56(2):317-20

STANDARDS

Evaluation of an alginate substitute using specification requirements. Suchak A, et al. **J Am Dent Assoc** 1984 Feb; 108(2):210-1

THERAPEUTIC USE

[Pharmacological effects of an alginic acid treatment in young obese subjects and its effect on changes in blood gastrin, blood glucagon, immunoreactive insulin and C-peptide] Smedile G, et al. **Minerva Dietol Gastroenterol** 1983 Jul-Sep;29(3):191-202 (Eng. Abstr.) **(Ita)**

ALGODYSTROPHIC SYNDROME see **REFLEX SYMPATHETIC DYSTROPHY**

ALGOR MORTIS see **POSTMORTEM CHANGES**

ALIENATION, SOCIAL see **SOCIAL ALIENATION**

ALIMEMAZINE see **TRIMEPRAZINE**

ALKADIENES

PHARMACODYNAMICS

Differential inactivation of mitochondrial monoamine oxidase by stereoisomers of allenic amines. White RL, et al. **Biochem Pharmacol** 1983 Dec 1;32(23):3661-4

ALKALESCENS-DISPAR GROUP see under **ESCHERICHIA**

ALKALIES

Alkali lability of deoxyribonucleic acid that contains adenine arabinoside. Egan EM, et al. **Biochem Pharmacol** 1983 Dec 15;32(24):3849-52

Theoretical basis for the detection of general-base catalysis in the presence of predominating hydroxide catalysis. Kirsch LE, et al. **J Pharm Sci** 1984 Jun;73(6):724-7

ADVERSE EFFECTS

Battery ingestion: a potential form of alkaline injury to the gastrointestinal tract [letter] Levine MJ, et al. **Ann Emerg Med** 1984 Feb;13(2):143-5

Retrospective study of alkali burns of the eye. Moon ME, et al. **Aust J Ophthalmol** 1983 Nov;11(4):281-6

Skin irritancy from alkaline solutions assessed by laser Doppler flowmetry. Wahlberg JE. **Contact Dermatitis** 1984 Feb;10(2):111

[Treatment of alkali burns of the anterior segment viewed in retrospect] Ma ZX. **Chung Hua Yen Ko Tsa Chih** 1983 Sep;19(5):262-5 **(Chi)**

ANALYSIS

Simultaneous measurement of gastric acid and duodenal alkali secretion by in situ titration in health and disease. Dubey P, et al. **Gut** 1983 Dec;24(12):1126-9

BLOOD

Extraordinary alkalemia and triple acid-base disturbance. Gardner LB, et al. **South Med J** 1984 Feb;77(2):265-8

SECRETION

Decrease in alkaline secretion during duodenal ulceration induced by mepirizole in rats. Tabata K, et al. **Gastroenterology** 1984 Aug;87(2):396-401

Role of prostaglandins in alkaline secretion from the gastroduodenal mucosa exposed to acid and taurocholate. Konturek SJ, et al. **Scand J Gastroenterol [Suppl]** 1984; 92:69-74

Alkali secretion by isolated rabbit gastric mucosa: effects of non-steroidal anti-inflammatory drugs and prostaglandins. Rees WD, et al. **Scand J Gastroenterol [Suppl]** 1984;92:63-8

THERAPEUTIC USE

[Neutralizing properties of alkalies produced by the Polish pharmaceutical industry] Mach T, et al. **Pol Tyg Lek** 1983 Nov 21;38(47):1477-80 **(Pol)**

ALKALINE PHOSPHATASE

Alkaline phosphatase, solution structure, and mechanism. Coleman JE, et al. **Adv Enzymol** 1983;55:381-452 (139 ref.)

The three dimensional structure of alkaline phosphatase from E. coli. Wyckoff HW, et al. **Adv Enzymol** 1983;55:453-80

Two further alkaline phosphatase staining methods for immunohistochemistry [letter] Fritz P, et al. **J Clin Pathol** 1984 Sep;37(9):1078-9

Crystallographic observations of the metal ion triple in the active site region of alkaline phosphatase. Sowadski JM, et al. **J Mol Biol** 1983 Oct 25;170(2):575-81

ANALYSIS

Heterogeneous distribution of alkaline phosphatase and gamma-glutamyl transpeptidase in the mouse nephron. Brière N, et al. **Acta Histochem (Jena)** 1984;74(1):103-8

Presence of alkaline phosphatase and gamma-glutamyl transpeptidase on the parietal layer of Bowman's capsule. Brière N, et al. **Acta Histochem (Jena)** 1983;73(2):237-41

The electron microscopic localization of alkaline phosphatase in Pacinian corpuscles of the cat. Dubový P, et al. **Acta Histochem (Jena)** 1983;73(2):205-18

A rapid technique for alkaline phosphatase enzyme activity in tissues. Imre R, et al. **Acta Histochem (Jena)** 1983; 73(1):17-21

Tumor markers in bronchogenic carcinoma. An evaluation of carcinoembryonic antigen, tissue polypeptide antigen, placental alkaline phosphatase and pseudouridine. Rasmuson T, et al. **Acta Radiol [Oncol]** 1983;22(3):209-14

Cytochemical analysis of alkaline phosphatase and esterase activities and of lectin-binding and anionic sites in rat and mouse Peyer's patch M cells. Owen RL, et al. **Am J Anat** 1983 Oct;168(2):199-212

Identity of the neoplastic alkaline phosphatase as revealed with monoclonal antibodies to the placental form of the enzyme. Loose JH, et al. **Am J Clin Pathol** 1984 Aug; 82(2):173-7

Possible prediction of accelerated osteoporosis by alkaline phosphatase isoenzymes. Collins DP, et al. **Am J Obstet Gynecol** 1984 Jun 1;149(3):304-10

A rapid, sensitive method for detection of alkaline phosphatase-conjugated anti-antibody on Western blots. Blake MS, et al. **Anal Biochem** 1984 Jan;136(1):175-9

Staining of alkali-labile phosphoproteins and alkaline phosphatases on polyacrylamide gels. Debruyne I. **Anal Biochem** 1983 Aug;133(1):110-5

Polyacrylamide gels which contain a novel mixed disulfide compound can be used to detect enzymes that catalyze thiol-producing reactions. Harris RB, et al. **Anal Biochem** 1983 Oct 1;134(1):126-32

Characterization and localization of alkaline phosphatase activity in rat testes. Kornblatt MJ, et al. **Biol Reprod** 1983 Aug;29(1):157-64

A micromethod for the determination of alkaline phosphatase in mammalian cells. Jäkel HP, et al. **Biomed Biochim Acta** 1983;42(9):1123-8

An immunohistological study of testicular germ cell tumours using two different monoclonal antibodies against placental alkaline phosphatase. Epenetos AA, et al. **Br J Cancer** 1984 Jan;49(1):11-5

Effect of cadmium and aluminum on bone alkaline and acid phosphatases. Sugawara N, et al. **Bull Environ Contam Toxicol** 1983 Oct;31(4):386-90

Specificity of subcellular distribution of alkaline phosphatase in Bacillus licheniformis 749/C. Ghosh A, et al. **Can J Microbiol** 1984 Jan;30(1):113-25

Mixed mesodermal tumor of the ovary with carcinoembryonic antigen and alkaline phosphatase production. Histochemical, autoradiographic, and electron microscopic studies of heterotransplanted tumors in athymic nude mice. Takeda A, et al. **Cancer** 1984 Jan 1; 53(1):103-12

Immunohistology of normal and ovarian cancer tissue with a monoclonal antibody to placental alkaline phosphatase. Sunderland CA, et al. **Cancer Res** 1984 Oct;44(10):4496-502

Correlation between distribution of cytoskeletal proteins and release of alkaline phosphatase-rich vesicles by epiphyseal chondrocytes in primary culture. Hale JE, et al. **Cell Motil** 1983;3(5-6):501-12

Electron-microscopic demonstration of alkaline-phosphatase activity in the juxtaglomerular apparatus. Brière N, et al. **Cell Tissue Res** 1983;234(1):147-51

Isoelectric focusing of human tissue alkaline phosphatase isoenzymes in agarose gel. Cleeve HJ, et al. **Clin Chim Acta** 1984 Mar 13;137(3):333-40

A double antibody radioimmunoassay specific for placental alkaline phosphatase. Dass S, et al. **Clin Chim Acta** 1984 Jun 27;140(1):91-6

Determination of placental alkaline phosphatase phenotypes by starch-gel and acrylamide gel electrophoresis. Pourci ML, et al. **Clin Chim Acta** 1984 Jun 27;140(1):1-8

Alkaline phosphatases of the mosquito, Culex tarsalis Coquillett. Houk EJ, et al. **Comp Biochem Physiol [B]** 1984; 78(2):303-10

Distribution of immunoreactive alkaline phosphatase in the adult rat ileum by immunoperoxidase staining at the light microscopic level. Shields HM, et al. **Gastroenterology** 1984 Oct;87(4):827-35

[3H]thymidine autoradiographic and alkaline phosphatase histochemical studies of intestinal metaplasia of the human stomach. Hashimoto M, et al. **Histochem J** 1983 Oct; 15(10):953–9

Cytochemical studies on the localization of alkaline phosphatase and HCO–3–activated adenosine triphosphatase in the brush border membrane of rat duodenal enterocytes. Sharp G, et al. **Histochem J** 1983 Nov;15(11):1131–9

Alkaline phosphatase isoenzymes in human kidney and urine, immunohistochemical, immunological and biochemical characterization. Pfleiderer G, et al. **Histochemistry** 1984; 80(2):145–8

Alkaline & acid phosphatase levels in some dermatophytes & their electrophoretic spectra. Jacob Z, et al. **Indian J Med Res** 1983 Oct;78:524–30

Application of anion–exchange column chromatography for determination of alkaline phosphatase activity using 2'–AMP or 3'–AMP as substrate. Hsu DS, et al. **J Chromatogr** 1983 Aug 12;276(1):169–73

Acid, neutral, and alkaline phosphatases in developing rat oral mucosa. Sjögren S. **J Histochem Cytochem** 1984 May; 32(5):510–6

Mucosal alkaline phosphatase and bile lipids in the gallbladder in cholecystitis. Kouroumalis E, et al. **J Pathol** 1983 Oct;141(2):169–79

'Superactivation' of alkaline phosphatase activity by cycloheximide in rat hepatoma cell cultures. Sorimachi K, et al. **J Pharm Pharmacol** 1984 Jul;36(7):473–5

Amniotic fluid alkaline phosphatase isoenzymes in early prenatal diagnosis of cystic fibrosis. Brock DJ. **Lancet** 1983 Oct 22;2(8356):941–3

Amniotic fluid alkaline phosphatase isoenzymes in early prenatal diagnosis of cystic fibrosis [letter] Super M. **Lancet** 1983 Nov 19;2(8360):1200–1

Immunoenzymatic assay of carcinoplacental alkaline phosphatase. Mabon J, et al. **Med Lab Sci** 1984 Jan; 41(1):29–34

An ultrastructural study of alkaline phosphatase in a transplantable rat osteogenic sarcoma. Ingleton PM, et al. **Metab Bone Dis Relat Res** 1983–84;5(1):23–31

Placental–type alkaline phosphatase in ovarian cancer fluids and tissues. Doellgast GJ, et al. **Obstet Gynecol** 1984 Mar; 63(3):324–9

Placental type alkaline phosphatase in possibly premalignant alterations of human gastric mucosa. Kralovánszky J, et al. **Oncology** 1984;41(3):189–94

Purification and analysis of the microvillous (M) and A forms of placental alkaline phosphatase. Abu–Hasan NS, et al. **Placenta** 1984 Jan–Feb;5(1):71–82

[Clinical value of alkaline phosphatase isoenzyme determination] Theodor E, et al. **Harefuah** 1984 Mar 1; 106(5):207–8 (Eng. Abstr.) **(Heb)**

[Neonatal standards of serum alkaline phosphatase] Fabris C, et al. **Minerva Pediatr** 1984 May 15;36(9):453–4 (Eng. Abstr.) **(Ita)**

[Ultracytochemical localization of ouabain–sensitive, K+–paranitrophenyl phosphatase, alkaline phosphatase and Mg2+–adenosine triphosphatase activities in the salivary glands] Yoshihara T. **Nippon Jibiinkoka Gakkai Kaiho** 1984 Apr;87(4):481–8 (Eng. Abstr.) **(Jpn)**

[Alkaline phosphatase isoenzymes of human lung carcinoma] Otani R, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 May;21(5):466–73 (Eng. Abstr.) **(Jpn)**

[Biochemical studies on alkaline phosphatase isoenzyme profile in endometrial cancer] Nozawa S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Mar; 36(3):369–76 (Eng. Abstr.) **(Jpn)**

[Isoenzymes as a tumor marker] Sugita O. **Rinsho Byori** 1983 Dec;31(12):1277–85 (33 ref.) **(Jpn)**

[Cytochemical characteristics of the clones of human bone marrow stromal fibroblasts] Astakhova VS, et al. **Biull Eksp Biol Med** 1983 Nov;96(11):95–7 (Eng. Abstr.) **(Rus)**

[Alkaline phosphatase, gammaglutamyl–transferase, lactate dehydrogenase and creatine kinase in bronchial aspirates] Pérez–Jiménez F, et al. **Med Clin (Barc)** 1983 Nov 19; 81(16):709–11 (Eng. Abstr.) **(Spa)**

ANTAGONISTS & INHIBITORS

In vitro effect of ascorbic acid on bovine kidney alkaline phosphatase activity. Miggiano GA, et al. **Acta Vitaminol Enzymol** 1983;5(3):153–8

Inactivation of human alkaline phosphatase by sodium thiocyanate. Hirano K, et al. **Chem Pharm Bull (Tokyo)** 1983 Sep;31(9):3248–54

Inhibition of alkaline phosphatase activity by glucose. Pollak A, et al. **Clin Chim Acta** 1983 Sep 15;133(1):15–24

Interaction of calf intestinal alkaline phosphatase with 8–anilinonaphthalene–1–sulphonate. Abdolrazghi Z, et al. **Enzyme** 1983;30(2):129–33

Ascorbic acid and alkaline phosphatase activity. Miggiano GA, et al. **Enzyme** 1983;30(2):145–8

Inhibition of tumor cell line alkaline phosphatase by human peripheral blood monocytes. Correlation with growth inhibitory activity. Schwartz B, et al. **Int Arch Allergy Appl Immunol** 1984;73(3):221–4

The palmitoleate: a natural selective denaturant of enzymes. Vincenzini MT, et al. **Int J Biochem** 1983;15(10):1283–6

A kinetic approach to the evaluation of alkaline phosphatase inactivation by urea. Miggiano GA, et al. **Ital J Biochem** 1983 Jul–Aug;32(4):223–30

Studies of alkaline phosphatase inhibition by p–bromotetramisole in non–mineralizing and mineralizing neonatal hamster tooth germs in vitro. Lyaruu DM, et al. **J Biol Buccale** 1983 Dec;11(4):347–53

Effect of vanadate, a potent alkaline phosphatase inhibitor, on 45Ca and 32Pi uptake by matrix vesicle–enriched fractions from chicken epiphyseal cartilage. Register TC, et al. **J Biol Chem** 1984 Mar 25;259(6):3511–8

BIOSYNTHESIS

Effects of dibutyryl adenosine 3':5'–cyclic monophosphate and other agents on induction of alkaline phosphatase activity in monkey kidney cells. Yora T, et al. **J Biochem (Tokyo)** 1984 Feb;95(2):369–76

Induction of placental alkaline phosphatase biosynthesis by sodium butyrate. Ito F, et al. **J Biol Chem** 1984 Feb 25; 259(4):2526–30

[Functioning tumor of lung, producing non–Regan type of alkaline phosphatase] Norioka M, et al. **Gan No Rinsho** 1984 Jul;30(8):951–4 (Eng. Abstr.) **(Jpn)**

[Effect of high doses of retinol acetate on the 3–beta–ol–steroid dehydrogenase and alkaline phosphatase content in mouse ovaries] Braun MA. **Biull Eksp Biol Med** 1983 Sep;96(9):110–2 (Eng. Abstr.) **(Rus)**

[Selection of a culture forming alkaline phosphatase from thermophilic bacteria in the genus Thermus] Egorova LA, et al. **Mikrobiologiia** 1984 Mar–Apr;53(2):242–5 (Eng. Abstr.) **(Rus)**

BLOOD

Influence of glucose fluctuations on alkaline phosphatase activity. Pollak A, et al. **Acta Diabetol Lat** 1984 Apr–Jun; 21(2):123–31

Seasonal levels of serum parathyroid hormone, calcitonin and alkaline phosphatase in relation to antler cycles in white–tailed deer. Chao CC, et al. **Acta Endocrinol (Copenh)** 1984 Jun;106(2):234–40

Alkaline phosphatase–positive leukemic monocytes in a child with acute monocytic leukemia. Tomonaga M, et al. **Acta Haematol (Basel)** 1984;71(1):66–8

Heparin–induced increase in serum levels of aminotranferases. A controlled clinical trial. Nielsen HK, et al. **Acta Med Scand** 1984;215(3):231–3

Inherited isolated hyperphosphatasemia. Kruse K. **Acta Paediatr Scand** 1983 Nov;72(6):833–5

Abnormalities of liver function and the predictive value of liver function tests in infection and outcome of acutely ill elderly patients. Kenny RA, et al. **Age Ageing** 1984 Jul; 13(4):224–9

Osteomalacia in the elderly: the value of radio–isotope bone scanning in patients with equivocal biochemistry. Wilkins WE, et al. **Age Ageing** 1983 Aug;12(3):195–200

Use of alkaline phosphatase isoenzyme analysis in the evaluation of cholestatic liver disease. Epstein E, et al. **Ann Clin Lab Sci** 1984 Jul–Aug;14(4):292–7

Increased serum alkaline phosphatase activity in ankylosing spondylitis. Sheehan NJ, et al. **Ann Rheum Dis** 1983 Oct; 42(5):563–5

Changes in plasma P, Ca, ALP, calcitonin and parathyroid hormone with age and after oophorectomy in women. Kono S, et al. **Asia Oceania J Obstet Gynaecol** 1983 Sep; 9(3):317–23

Altered isozyme patterns of leucocyte alkaline phosphatase in disease states. Miller DM, et al. **Br J Haematol** 1984 May;57(1):145–54

Association of plasma 5'–nucleotidase and alkaline phosphatase with production traits in chickens: effects of age and housing systems. Singh RP, et al. **Br Poult Sci** 1983 Oct;24(4):477–82

Association of plasma 5'–nucleotidase and alkaline phosphatase with production traits in chickens: genetic and phenotypic variability. Singh RP, et al. **Br Poult Sci** 1983 Oct;24(4):483–8

Estimation of neutrophil alkaline phosphatase in malignant histiocytosis. Lin MF, et al. **Chin Med J [Engl]** 1984 Feb; 97(2):119–22

Occurrence of an atypical alkaline phosphatase fraction ('biliary') in primary liver cancer. Burlina A, et al. **Clin Biochem** 1983 Dec;16(6):346–9

Atypical alkaline phosphatase isoenzyme in serum from a patient with Hodgkin's disease. Beilby JP, et al. **Clin Chem** 1984 May;30(5):800–2

Age–related reference ranges for the co–optimized alkaline phosphatase method as used in the aca III [letter] Shank L, et al. **Clin Chem** 1984 Feb;30(2):332

Transferability studies for the AACC reference method and the IFCC method for measurement of alkaline phosphatase activity. Tietz NW, et al. **Clin Chem** 1984 May;30(5):704–6

Alterations in human serum alkaline phosphatase and its bone isoenzyme by chronic administration of lithium. Broulik PD, et al. **Clin Chim Acta** 1984 Jul 16;140(2):151–5

International Federation of Clinical Chemistry. IFCC methods for the measurement of catalytic concentration of enzymes. Part 5. IFCC method for alkaline phosphatase (orthophosphoric–monoester phosphohydrolase, alkaline optimum, EC 3.1.3.1). IFCC Document Stage 2, Draft 1, 1983–03 with a view to an IFCC Recommendation. Tietz NW, et al. **Clin Chim Acta** 1983 Dec 30;135(3):339F–367F

Benign elevation of serum alkaline phosphatase, transient and persistent variety. Abbassi V, et al. **Clin Pediatr (Phila)** 1984 Jun;23(6):336–7

Liver– and placenta–like alkaline phosphatases (EC 3.1.3.1) isoenzymes in normal human neutrophils. Vergnes H, et al. **Enzyme** 1984;31(3):154–65

The pattern of gamma–glutamyl transpeptidase, alkaline phosphatase, serum glutamyl oxalate transaminase and serum glutamyl pyruvate transaminase in patients with disseminated non–seminomatous testicular tumors. van 't Sant P, et al. **Eur J Cancer Clin Oncol** 1984 Feb; 20(2):209–15

Persistently increased intestinal fraction of alkaline phosphatase. Nathan E, et al. **Eur J Pediatr** 1984 Jun; 142(2):142–4

The activity of the bone isoenzyme of serum alkaline phosphatase and urinary hydroxyproline excretion in premenopausal and postmenopausal women with primary hyperparathyroidism. Broulik PD, et al. **Exp Clin Endocrinol** 1984 May;83(3):315–9

Metabolic implications in the elevation of serum activity of intestinal alkaline phosphatase in chronic renal failure. Stěpán J, et al. **Experientia** 1984 May 15;40(5):517–8

Metabolic implications in the elevation of serum activity of intestinal alkaline phosphatase in chronic renal failure. Stěpán J, et al. **Experientia** 1984 Aug 15;40(8):896–8

Cytochemical and biochemical studies on neutrophil alkaline phosphatase in parents of trisomy 21 children. Grozdea J, et al. **Hum Genet** 1984;67(3):313–6

Relationship between serum zinc and alkaline phosphatase. Nanji AA, et al. **Hum Nutr Clin Nutr** 1983 Dec;37(6):461–2

Leukocyte alkaline phosphatase (LAP) activity in health and infections of infancy. Sharma U, et al. **Indian J Pediatr** 1983 May–Jun;50(404):275–7

Congenital hyperphosphatasaemia. Case report of a patient observed between the ages of three and eleven years. Bachiocco R, et al. **Ital J Orthop Traumatol** 1983 Dec; 9(4):533–9

A two–year longitudinal reference range study for selected serum enzymes in a population more than 60 years of age. Tietz NW, et al. **J Am Geriatr Soc** 1984 Aug;32(8):563–70

Plasma alkaline phosphatase as a criterion for determining biological availability of phosphorus for swine. Boyd RD, et al. **J Anim Sci** 1983 Aug;57(2):396–401

IFCC methods for the measurement of catalytic concentration of enzymes Part 5. IFCC method for alkaline phosphatase (orthophosphoric–monoester phosphohydrolase, alkaline optimum, EC 3.1.3.1). Tietz NW, et al. **J Clin Chem Clin Biochem** 1983 Nov; 21(11):731–48

A comparison of fast homoarginine–sensitive alkaline phosphatase and carcinoembryonic antigen as markers in colon carcinoma. Larson FC, et al. **J Clin Oncol** 1984 May; 2(5):457–61

Measurement of biliary alkaline phosphatase by mini–column chromatography and by electrophoresis and its application to the detection of liver metastases in patients with breast cancer. Karmen C, et al. **J Clin Pathol** 1984 Feb;37(2):212–7

Serum placental type alkaline phosphatase in cigarette smokers. McLaughlin PJ, et al. **J Clin Pathol** 1984 Jul; 37(7):826–8

Distribution of plasma alkaline phosphatase and its isoenzymes in normal and chronically parasitized lambs. Jones DG, et al. **J Comp Pathol** 1984 Jul;94(3):463–6

Prevalence of hypocalcemia and elevated serum alkaline phosphatase in patients receiving chronic anticonvulsant therapy. Schmitt BP, et al. **J Fam Pract** 1984 Jun; 18(6):873–7

Localization mechanisms in enzyme cytochemistry studied with alkaline phosphatase–loaded erythrocyte ghosts. Raap AK, et al. **J Histochem Cytochem** 1984 Aug;32(8):815–20

Cellular enzyme–linked immunospecific assay (CELISA). IV. Inhibition of endogenous cellular alkaline phosphatase activity. Morris RE, et al. **J Immunol Methods** 1984 Mar 30;68(1–2):11–7

Leukocyte alkaline phosphatase during pregnancy and the early postpartum period. Kuptamethi S, et al. **J Med Assoc Thai** 1983 Jun;66(6):339–44

Serum creatine kinase and alkaline phosphatase in experimental small bowel infarction. Graeber GM, et al. **J Surg Res** 1984 Jul;37(1):25–32

Heat–labile serum alkaline phosphatase as an index of growth in healthy Nigerian infants and children. Afonja A, et al. **J Trop Pediatr** 1983 Oct;29(5):252–4

Differential leucocyte alkaline phosphatase activity (LAPA) in chronic myeloid leukaemia (CML) and myeloid leukemoid reaction (MLR). Zafar MN, et al. **JPMA** 1984 May;34(5):114–6

Urea–resistant neutrophil alkaline phosphatase in mothers with trisomy 21 pregnancy [letter] Grozdea J, et al. **Lancet** 1983 Oct 1;2(8353):799–800

Plasma hydroxyproline in uremia: relationships with histologic and biological indices of bone turnover. Cundy T, et al. **Metab Bone Dis Relat Res** 1983;4(5):297–303

Correlation of skeletal uptake of 99mTc–diphosphonate and alkaline phosphatase before and after oral diphosphonate therapy in Paget's disease. Smith ML, et al. **Metab Bone Dis Relat Res** 1984;5(4):167–70

Effects of Ca and P levels in the feed on serum calcium, phosphorus, alkaline phosphatase, hydroxyproline and 25–hydroxycholecalciferol levels, and on the ash content of the third metacarpal bone in pigs. Kääntee E. **Nord Vet Med** 1983 Jul–Sep;35(7–9):273–86

C3b receptor-negative peripheral blood neutrophils. A study of normal and haematologically abnormal disorders. Scott CS, et al. **Scand J Haematol** 1984 Feb;32(2):183–9

The prognostic significance of elevated serum alkaline phosphatase levels preoperatively in patients with carcinoma of the colon and rectum. Tartter PI, et al. **Surg Gynecol Obstet** 1984 Jun;158(6):569–71

Carbon tetrachloride (CCl4) levels and serum activities of liver enzymes following acute CCl4 intoxication. Teschke R, et al. **Toxicol Lett** 1983 Jun;17(1–2):175–80

Simple quantitative assay for canine steroid-induced alkaline phosphatase. Oluju MP, et al. **Vet Rec** 1984 Jul 7; 115(1):17–8

[Changes in the serum alkaline phosphatase of sheep and cattle with acute acidosis of the forestomach] Antonov S, et al. **Vet Med Nauki** 1983;20(3–4):20–7 (Eng. Abstr.) (Bul)

[Alkaline phosphatase activity and isoenzymes in the blood serum of cattle, sheep and swine] Antonov S, et al. **Vet Med Nauki** 1983;20(9):3–11 (Eng. Abstr.) (Bul)

[Changes in the polymorphism of the blood serum alkaline phosphatase in chickens undergoing subacute lindane treatment] Iotsov S, et al. **Vet Med Nauki** 1983;20(3–4):14–9 (Eng. Abstr.) (Bul)

[Leukocyte alkaline phosphatase in acute, chronic and exacerbated cholecystitis complicated and uncomplicated by cholelithiasis] Kiumiureva-Lazarova V. **Vutr Boles** 1984;23(1):95–8 (Eng. Abstr.) (Bul)

[Transient hyperphosphatasemia in infancy. Apropos of a case (letter)] Largilliere C, et al. **Arch Fr Pediatr** 1984 Jan; 41(1):73 (Fre)

[How to determine Paget's disease activity and which patients to treat? (letter)] Renier JC. **Presse Med** 1984 May 12; 13(20):1276–7 (Fre)

[Comparison of serum AST, ALT, AP and GGT activities in the diagnosis of liver diseases in dogs] Kraft W, et al. **Berl Munch Tierarztl Wochenschr** 1983 Dec 1;96(12):421–31 (Eng. Abstr.) (Ger)

[Significance of the determination of alanine aminopeptidase and alkaline phosphatase in serum in the detection of osseous osteoplastic metastases] Gärtner C, et al. **Radiobiol Radiother (Berl)** 1983;24(3):331–3 (Eng. Abstr.) (Ger)

[Clinical value of enzyme parameter combinations in the diagnosis of metastases] Schulze G. **Radiobiol Radiother (Berl)** 1983;24(4):517–20 (Eng. Abstr.) (Ger)

[Leukocyte alkaline phosphatase in breast cancer] Wallach N, et al. **Harefuah** 1984 Jan 1;106(1):12–4 (Eng. Abstr.) (Heb)

[Correlation of blood zinc and alkaline phosphatase] Naitana S. **Boll Soc Ital Biol Sper** 1984 Mar 30;60(3):519–21 (Eng. Abstr.) (Ita)

[Studies on the angioarchitecture of the choroid with an alkaline phosphatase stain. I. Light microscopic distribution of alkaline phosphatase activity in the choroidal blood vessels] Koyama T. **Nippon Ganka Gakkai Zasshi** 1983 Jul; 87(7):490–7 (Eng. Abstr.) (Jpn)

[Statistical analysis of urinary estriol (U-E3), serum leucine aminopeptidase (LAP) and heat stable alkaline phosphatase (HSAP) in toxemia] Masuda T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1983 Sep; 35(9):1585–94 (Eng. Abstr.) (Jpn)

[Methods of serum enzyme determination and its clinical significance—alkaline phosphatase] Kanno T. **Rinsho Byori** 1983 Jun;Suppl 55:31–43 (Jpn)

[Alkaline phosphatase—with special reference to alkaline phosphatases of the blood cells] Komoda T, et al. **Rinsho Byori** 1983 Jul;31(7):682–91 (53 ref.) (Jpn)

[Investigation on alkaline phosphatase-linked immunoglobulins] Ohi K, et al. **Rinsho Byori** 1984 Apr; 32(4):407–12 (Jpn)

[Quantitative determination of serum alkaline phosphatase isoenzymes in cholestasis patients] Takegoshi K, et al. **Rinsho Byori** 1983 Jul;31(7):737–40 (Jpn)

[Leukocyte alkaline phosphatase—with special reference to electrophoresis, inhibitors and heat inactivation] Ueda N, et al. **Rinsho Byori** 1983 Oct;31(10):1131–4 (Jpn)

[Neutrophil alkaline phosphatase activity in leukopenia occurring during chemotherapy] Pniewski T, et al. **Wiad Lek** 1984 Jan 15;37(2):97–100 (Eng. Abstr.) (Pol)

[Activity of serum thermostable alkaline phosphatase in chronic placental insufficiency] Goriacheva VV, et al. **Akush Ginekol (Mosk)** 1983 Oct;(10):16–8 (Eng. Abstr.) (Rus)

[Species differences and seasonal fluctuations in the enzyme activity of the blood in experimental animals] Laricheva NI, et al. **Fiziol Zh** 1984 Mar-Apr;30(2):191–4 (Eng. Abstr.) (Rus)

[Diagnostic value of serum alkaline phosphatase isoenzymes in liver diseases] Karlinskiĭ VM, et al. **Klin Med (Mosk)** 1984 May;62(5):66–70 (Eng. Abstr.) (Rus)

[Laboratory studies of several immunologic and biochemical indicators in patients with congenital defects of the 1st and 2d branchial arches] Kotov GA, et al. **Lab Delo** 1983; (11):11–3 (Eng. Abstr.) (Rus)

[Neutrophil alkaline phosphatase in the differential diagnosis of leptospirosis] Shubich MG, et al. **Lab Delo** 1983; (12):54–5 (Rus)

[Morphocytochemical indices in children with recurring diseases of the upper respiratory tract] Teodor IL, et al. **Vestn Otorinolaringol** 1984 May-Jun;(3):58–61 (Eng. Abstr.) (Rus)

[Kinetic method for determination of isoenzymes of alkaline phosphatase in human blood serum] Mozzhechkov VT, et al. **Vopr Med Khim** 1983 Sep-Oct;29(5):43–8 (Eng. Abstr.) (Rus)

[The effect of leukemic infiltration of the liver on levels of alkaline phosphatase in the serum, serum transaminases and serum protein] Todorović M, et al. **Lijec Vjesn** 1983 Nov-Dec;105(11–12):449–51 (Eng. Abstr.) (Scr)

[Idiopathic transient hyperphosphatemia in an infant. Apropos of 2 observations] Gairi Tahull JM, et al. **An Esp Pediatr** 1983 Jun;18(6):515–6 (Eng. Abstr.) (Spa)

[Ectopic synthesis of alkaline phosphatase in pure seminoma] Sanz Ortiz J, et al. **Med Clin (Barc)** 1983 Nov 12; 81(15):676–7 (Eng. Abstr.) (Spa)

[Asymptomatic familial hyperphosphatasia caused by elevation of intestinal isoenzyme] Rapado A, et al. **Rev Clin Esp** 1984 Apr 15;173(1):53–4 (Spa)

DIAGNOSTIC USE

Enzyme-linked lectin assay (ELLA). II. Detection of carbohydrate groups on the surface of unfixed cells. McCoy JP Jr, et al. **Exp Cell Res** 1984 Mar;151(1):96–103

Enzyme-labeling of antibodies and their fragments for enzyme immunoassay and immunohistochemical staining. Ishikawa E, et al. **J Immunoassay** 1983;4(3):209–327 (77 ref.)

The use of alkaline-phosphatase-conjugated second antibody for the visualization of electrophoretically separated proteins recognized by monoclonal antibodies. Turner BM. **J Immunol Methods** 1983 Sep 30;63(1):1–6

GENETICS

Use of monoclonal antibodies to assign phenotypes to placental alkaline phosphatase from cultured human cell lines derived from tumors. Wray LK, et al. **Am J Hum Genet** 1984 Mar;36(2):471–6

Placental alkaline phosphatase polymorphism in some Punjabi populations. Balgir PP, et al. **Anthropol Anz** 1984 Jun;42(2):141–9

Isolation of unselected mutants of alkaline phosphatase in Escherichia coli through nitrosoguanidine comutation and comparison with natural variants. del Castillo F, et al. **Biochem Genet** 1984 Jun;22(5–6):467–82

Genetics of alkaline phosphatase of the small intestine of the house mouser (Mus musculus). Wilcox FH. **Biochem Genet** 1983 Aug;21(7–8):641–52

Effect of retinoic acid on the growth and morphology of a prostatic adenocarcinoma cell line cloned for the retinoid inducibility of alkaline phosphatase. Reese DH, et al. **Cancer Res** 1983 Nov;43(11):5443–50

Cloning and characterization of the Bacillus licheniformis gene coding for alkaline phosphatase. Hulett FM. **J Bacteriol** 1984 Jun;158(3):978–82

Identification of the phoM gene product and its regulation in Escherichia coli K-12. Ludtke D, et al. **J Bacteriol** 1984 Jul;159(1):19–25

Osmoregulation of alkaline phosphatase synthesis in Escherichia coli K-12. Villarejo M, et al. **J Bacteriol** 1983 Nov;156(2):975–8

1 alpha, 25-Dihydroxyvitamin D3 and analogues of vitamin D3 induce alkaline phosphatase activity in osteoblastic cells derived from newborn mouse calvaria. Haneji T, et al. **J Biochem (Tokyo)** 1983 Oct;94(4):1127–32

Cloning and characterization of the alkaline phosphatase positive regulatory gene (phoM) of Escherichia coli. Makino K, et al. **MGG** 1984;195(3):381–90

Immunochemical data suggesting a pattern for the evolution of human placental alkaline phosphatase. Doellgast GJ, et al. **Mol Immunol** 1984 Mar;21(3):197–203

[Genetic polymorphism of alkaline phosphatase and the resistance to Marek's disease virus] Iotsov S, et al. **Vet Med Nauki** 1983;20(7):28–33 (Eng. Abstr.) (Bul)

[Characterization of clofibrate-stimulated alkaline phosphatase in rat liver] Popova SV, et al. **Vopr Med Khim** 1983 Jul-Aug;29(4):78–83 (Eng. Abstr.) (Rus)

IMMUNOLOGY

Tumour and cellular localization by use of monoclonal and polyclonal antibodies to placental alkaline phosphatase. Jeppsson A, et al. **Br J Cancer** 1984 Feb;49(2):123–8

Intestinal alkaline phosphatase linked to immunoglobulin G of the kappa type. Kohno H, et al. **Clin Chim Acta** 1983 Nov 30;135(1):41–8

Antigenic determinants of human placental and testicular placental-like alkaline phosphatases as mapped by monoclonal antibodies. Millán JL, et al. **Eur J Biochem** 1983 Oct 17;136(1):1–7

Monoclonal antibodies against placental-like and intestinal-like alkaline phosphatases in a malignant human cell line. Wray LK, et al. **Eur J Biochem** 1984 Mar 15; 139(3):503–8

Epitopes of human intestinal alkaline phosphatases, defined by monoclonal antibodies. Ray K, et al. **FEBS Lett** 1984 Sep 3;174(2):294–9

Two monoclonal antibodies recognizing determinants on human embryonal carcinoma cells react specifically with the liver isozyme of human alkaline phosphatase. Andrews PW, et al. **Hybridoma** 1984;3(1):33–9

Preparation and characterization of monoclonal antibodies against placental alkaline phosphatase and other human trophoblast-associated determinants. Travers P, et al. **Int J Cancer** 1984 May 15;33(5):633–41

Similarity between alkaline phosphatases from bovine dental pulp and liver. Harada M, et al. **J Dent Res** 1984 Jan; 63(1):28–31

Immunoenzymatic labeling of monoclonal antibodies using immune complexes of alkaline phosphatase and monoclonal anti-alkaline phosphatase (APAAP complexes). Cordell JL, et al. **J Histochem Cytochem** 1984 Feb;32(2):219–29

[Monoclonal antibody against term-placental alkaline phosphatase] Nozawa S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1983 Dec; 35(12):2427–8 (Jpn)

[A case of ulcerative colitis associated with alkaline phosphatase (ALP)-and lactate dehydrogenase (LDH)-binding immunoglobulins] Watanabe M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Jun;81(6):1468–73 (Jpn)

[Presence of anti-placental ALP antibody and intestinal ALP linked to immunoglobulins in a patient with myasthenia gravis] Umeki K, et al. **Rinsho Byori** 1983 Oct; 31(10):1093–8 (Jpn)

ISOLATION & PURIFICATION

Clinical assessment of the electrophoretic separation of alkaline phosphatase isoenzymes. Lum G, et al. **Am J Clin Pathol** 1983 Nov;80(5):682–5

Inhibition of ribonuclease contamination in preparations of T4 RNA ligase, polynucleotide kinase, and bacterial alkaline phosphatase with bentonite. Tyulkina LG, et al. **Anal Biochem** 1984 May 1;138(2):285–90

Genital tract proteins in the male rabbit: II. Alkaline phosphatase—enzyme action and site of synthesis. Müller B. **Andrologia** 1983 Nov-Dec;15(6):676–81

Production of two phosphatases by Lysobacter enzymogenes and purification and characterization of the extracellular enzyme. von Tigerstrom RG. **Appl Environ Microbiol** 1984 Apr;47(4):693–8

Purification and partial sequencing of human placental alkaline phosphatase. Ezra E, et al. **Biochem Biophys Res Commun** 1983 Nov 15;116(3):1076–83

Purification of human adult and foetal intestinal alkaline phosphatases by monoclonal antibody immunoaffinity chromatography. Vockley J, et al. **Biochem J** 1984 Jan 15;217(2):535–41

Acid and alkaline phosphatases of Capnocytophaga species. II. Isolation, purification, and characterization of the enzymes from Capnocytophaga ochracea. Poirier TP, et al. **Can J Microbiol** 1983 Oct;29(10):1361–8

Biliary alkaline phosphatase isoenzyme in diagnosis of cholestasis [letter] Burlina A, et al. **Clin Chem** 1984 Jan; 30(1):172–4

Two new methods for separating and quantifying bone and liver alkaline phosphatase isoenzymes in plasma. Rosalki SB, et al. **Clin Chem** 1984 Jul;30(7):1182–6

Two macromolecular complexes between alkaline phosphatase and immunoglobulin A in a patient's serum. Wenham PR, et al. **Clin Chem** 1983 Oct;29(10):1845–9

Demonstration of placental and placental-like alkaline phosphatase in non-malignant human tissue extracts using monoclonal antibodies in an enzyme immunoassay. McLaughlin PJ, et al. **Clin Chim Acta** 1984 Mar 13; 137(3):341–8

Purification and characterization of four different alkaline phosphatases from Spirographis spallanzanii. Principato GB, et al. **Comp Biochem Physiol [B]** 1984;78(2):485–91

Intracellular localization of alkaline phosphatase in glandular cells under normal and pathological conditions. Pavlíková D. **Histochem J** 1984 Apr;16(4):348–50

Purification and multiple forms of human placental alkaline phosphatase. Chang GG, et al. **Int J Biochem** 1984; 16(8):901–6

Molecular dimensions of the SS and FF phenotypes of human placental alkaline phosphatase. Rotary shadowing and negative staining electron microscope measurements. Takeya M, et al. **J Mol Biol** 1984 Feb 25;173(2):253–64

Alkaline phosphatase from human uterine myoma. I. Purification and some properties. Purzyc L, et al. **Neoplasma** 1984;31(3):307–14

[Alkaline phosphatase of the rat small intestine—purification of the enzyme and its physiological significance] Furusaki K. **Hokkaido Igaku Zasshi** 1983 May;58(3):250–64 (Eng. Abstr.) (Jpn)

[Extraction and renaturation of proteins from SDS-polyacrylamide gels] Ishii K, et al. **Seikagaku** 1984 Jan;56(1):50–2 (Jpn)

METABOLISM

Bile enzyme activities following choledochotomy and the effect of steroid treatment. Edes I, et al. **Acta Med Hung** 1984;41(2–3):143–7

Effect of different inhibitors on nonspecific alkaline phosphatase in the microsomal fraction from isolated odontoblasts. Granström G. **Acta Odontol Scand** 1983 Aug; 41(4):221–6

Alkaline phosphatase activity and tetracycline incorporation during initial orthodontic tooth movement in rats. Lilja E, et al. **Acta Odontol Scand** 1984 Feb;42(1):1–11

Depressive effects of acrylic cement components on bone

metabolism. Isotope release and phosphatase production studied in vitro. Pedersen JG, et al. **Acta Orthop Scand** 1983 Dec;54(6):796–801

Lack of relationship between activity of intestinal alkaline phosphatase and calcium or phosphate absorption. Asteggiano C, et al. **Acta Physiol Lat Am** 1981;31(2):77–83

Zinc and lead interactions on alkaline phosphatase activity (E.C. 3.1.3.1.) in rats. Wielgus-Serafińska E, et al. **Acta Physiol Pol** 1982 Sep–Dec;33(5–6):425–39

Modulation of alkaline phosphatase in different organs by ascorbic acid and related compounds. Miggiano GA, et al. **Acta Vitaminol Enzymol** 1983;5(4):219–24

Induction of rat hepatic and intestinal alkaline phosphatase activity produced by bile from bile duct-ligated animals. Komoda T, et al. **Am J Physiol** 1984 Apr;246(4 Pt 1):G393–400

Histochemical activity of alkaline phosphatase and acid phosphatase in the epididymis of mature intact and androgen-deprived bulls. Goyal HO, et al. **Am J Vet Res** 1984 Mar;45(3):444–50

Observation of cytochemical alkaline phosphatase activity on the plasma membrane of cultured rat hepatocytes by backscattered electron imaging. Watanabe J, et al. **Anat Rec** 1983 Dec;207(4):635–42

A kinetic study of rat salivary gland alkaline phosphatase and its inhibition by cadmium. Chaudhry IM, et al. **Arch Oral Biol** 1983;28(8):741–4

The chromatographic and electrophoretic micro-heterogeneity of alkaline phosphatase of rat dental pulp. Tojyo Y. **Arch Oral Biol** 1983;28(10):953–8

Effect of 1,25-dihydroxyvitamin D3 on alkaline phosphatase activity and collagen synthesis in osteoblastic cells, clone MC3T3-E1. Kurihara N, et al. **Biochem Biophys Res Commun** 1984 Mar 15;119(2):767–71

Alkaline phosphatase isozymes in large intestines and large intestinal tumors of Fischer 344 rats. Owens RA, et al. **Biochem Biophys Res Commun** 1984 Jul 31;122(2):740–7

Desialylated alkaline phosphatase: activation by 4-nitrophenol. Nayudu PR. **Biochem Int** 1984 Jan; 8(1):193–202

Heterogeneity of rat hepatocytes in transport and hepatic binding of asialoalkaline phosphatase studied after induction of selective acinar damage by N-hydroxy-2-acetylaminofluorene and carbon tetrachloride. Groothuis GM, et al. **Biochem Pharmacol** 1983 Sep 15;32(18):2721–7

Nonactivated phosphorylase kinase is a phosphoprotein: differentiation of two classes of endogenous phosphoserine residues by phosphorus-31 nuclear magnetic resonance spectroscopy and phosphatase sensitivity. Kilimann MW, et al. **Biochemistry** 1984 Jan 3;23(1):112–7

A possible mechanism for the changes in hepatic and intestinal alkaline phosphatase activities in bile-duct-ligated rats or guinea pigs. Koyama I, et al. **Biochim Biophys Acta** 1983 Oct 4;760(1):169–74

Enzymatic removal of alkaline phosphatase from renal brush-border membranes. Effect on phosphate transport and on phosphate binding. Schäli C, et al. **Biochim Biophys Acta** 1984 Jan 25;769(2):277–83

Solubility properties of alkaline phosphatase from matrix vesicles. Stagni N, et al. **Biochim Biophys Acta** 1983 Dec 27;761(3):246–51

Value of leukocyte alkaline phosphatase and other leukocyte parameters in diagnosis of neonatal infection. Paul RS, et al. **Biol Neonate** 1984;45(6):275–9

Assessment of an in vivo diffusion chamber method as a quantitative assay for osteogenesis. Bab I, et al. **Calcif Tissue Int** 1984 Jan;36(1):77–82

The effects of prostaglandin E2, parathyroid hormone, 1,25 dihydroxycholecalciferol, and cyclic nucleotide analogs on alkaline phosphatase activity in osteoblastic cells. Kumegawa M, et al. **Calcif Tissue Int** 1984 Jan;36(1):72–6

Effect of pH, temperature and media on acid and alkaline phosphatase activity in 'clinical' and 'nonclinical' isolates of Bordetella bronchiseptica. Mobley DM, et al. **Can J Comp Med** 1984 Apr;48(2):175–8

Acid and alkaline phosphatases of Capnocytophaga species. III. The relationship of the enzymes to the cell wall. Poirier TP, et al. **Can J Microbiol** 1983 Oct;29(10):1369–81

Acid and alkaline phosphatases of Capnocytophaga species. I. Production and cytological localization of the enzymes. Poirier TP, et al. **Can J Microbiol** 1983 Oct;29(10):1350–60

Placental calcium and phosphorus transfer in the guinea pig: lack of effect of modulators of Ca-ATPase and alkaline phosphatase activity. McKercher HG, et al. **Can J Physiol Pharmacol** 1983 Nov;61(11):1354–60

Stimulation of alkaline phosphatase activity in mouse epidermis by tumor promoters. Gschwendt M, et al. **Cancer Lett** 1984 Mar;22(2):219–25

Enzyme activities and isozyme patterns in human lung tumors. Balinsky D, et al. **Cancer Res** 1984 Mar; 44(3):1058–62

Correlation of alkaline phosphatase activity to normal T-cell differentiation and to radiation leukemia virus-induced preleukemic cells in the C57BL mouse thymus. Goffinet G, et al. **Cancer Res** 1983 Nov;43(11):5416–26

Responses of bone marrow gamma-glutamyltranspeptidase and alkaline phosphatase in vitro to tumor-elaborated granulocytopoietic factors. Greengard O, et al. **Cancer Res** 1984 Feb;44(2):472–7

Intestinal-type alkaline phosphatase produced by human hepatoblastoma cell line HUH-6 clone 5. Yamamoto H, et al. **Cancer Res** 1984 Jan;44(1):339–44

Biochemical characterization of alkaline phosphatase from skin blood vessels. Miyagawa T, et al. **Cell Mol Biol** 1983; 29(6):517–23

Adipose conversion of mouse bone marrow fibroblasts in vitro: their alkaline phosphatase activity. Kodama H, et al. **Cell Struct Funct** 1983 Mar;8(1):19–27

Relocalization of membrane enzymes accompanies biliary atresia in lamprey liver. Sidon EW, et al. **Cell Tissue Res** 1984;236(1):81–6

A role of alkaline phosphatase in phosphate transport. Hirano K, et al. **Chem Pharm Bull (Tokyo)** 1984 Jan;32(1):198–204

Relationship of plasma tartrate resistant acid phosphatase to the bone isoenzyme of serum alkaline phosphatase in hyperparathyroidism. Stěpan JJ, et al. **Clin Chim Acta** 1983 Sep 30;133(2):189–200

Developmental changeover in rat duodenal alkaline phosphatase. Tojyo Y. **Comp Biochem Physiol [B]** 1984; 77(3):437–41

Comparative-molecular characterization of membrane digestion in fish and mammals. Ugolev AM, et al. **Comp Biochem Physiol [B]** 1983;76(3):627–35

Rat endometrial cells in primary culture: effects and interaction of sex hormones and vitamin D3 metabolite on alkaline phosphatase. Lieberherr M, et al. **Endocrinology** 1984 Aug;115(2):824–9

Intestinal alkaline phosphatase-like properties of horse kidney alkaline phosphatase. Hoffmann WE, et al. **Enzyme** 1983; 30(4):269–72

Experimental ischaemia of the ileum and concentrations of the intestinal isoenzyme of alkaline phosphatase in plasma and peritoneal fluid. Davies JV, et al. **Equine Vet J** 1984 May;16(3):215–7

Effect of transferrin on alkaline phosphatase activity and collagen synthesis in osteoblastic cells derived from newborn mouse calvaria. Tsunoi M, et al. **Exp Cell Res** 1984 Jul;153(1):240–4

Alkaline phosphatase binds to collagen; a hypothesis on the mechanism of extravesicular mineralization in epiphyseal cartilage. Vittur F, et al. **Experientia** 1984 Aug 15; 40(8):836–7

Differences in polypeptide composition and enzyme activity between cold-stable and cold-labile microtubules and study of microtubule alkaline phosphatase activity. Hesketh JE. **FEBS Lett** 1984 Apr 24;169(2):313–8

Monoclonal antibodies block the trypsin cleavage site on human placental alkaline phosphatase. Jemmerson R, et al. **FEBS Lett** 1984 Aug 6;173(2):357–9

Distribution of capillary bed segments with endothelial alkaline phosphatase and dipeptidylaminopeptidase IV activity in skeletal muscles of the rat. Lipenská M, et al. **Folia Morphol (Praha)** 1984;32(1):69–76

Distribution and properties of Ca2+-ATPase, phytase, and alkaline phosphatase in isolated enterocytes from normal and vitamin D-deficient rats. Chan SD, et al. **Gut** 1983 Oct;24(10):886–92

Ultrastructural demonstration of alkaline phosphatase (ALP) and K+-p-nitrophenyl phosphatase (K+-p-NPPase) in the epidermal ionocytes of Blennius sanguinolentus. Zaccone G, et al. **Histochemistry** 1984;81(1):47–53

A qualitative and quantitative study of few enzymes in the liver of cadmium fed rats. Rana SV, et al. **Ind Health** 1983; 21(3):137–42

Evidence concerning a possible steady state rate equation for E. coli alkaline phosphatase. Del Arco A, et al. **Int J Biochem** 1984;16(2):189–94

Interaction between alkaline phosphatase and ascorbic acid by fluorescence and absorption studies. Martorana GE, et al. **Ital J Biochem** 1983 Jul–Aug;32(4):231–8

Energy-requiring translocation of the OmpA protein and alkaline phosphatase of Escherichia coli into inner membrane vesicles. Rhoads DB, et al. **J Bacteriol** 1984 Jul; 159(1):63–70

Subcellular localization of alkaline phosphatase in Bacillus licheniformis 749/C by immunoelectron microscopy with colloidal gold. Tinglu G, et al. **J Bacteriol** 1984 Aug; 159(2):668–77

Developmental transition of alkaline phosphatase from suckling to adult type in rat small intestine: molecular species and effect of injected cortisone and thyroxine. Uezato T, et al. **J Biochem (Tokyo)** 1983 Nov;94(5):1483–8

Zn(II)–113Cd(II) and Zn(II)–Mg(II) hybrids of alkaline phosphatase. 31P and 113Cd NMR. Gettins P, et al. **J Biol Chem** 1984 Apr 25;259(8):4991–7

113Cd NMR. Arsenate binding to Cd(II) alkaline phosphatase. Gettins P, et al. **J Biol Chem** 1984 Apr 25; 259(8):4987–90

Chloride binding to alkaline phosphatase. 113Cd and 35Cl NMR. Gettins P, et al. **J Biol Chem** 1984 Sep 10; 259(17):11036–40

Alkaline phosphatase and gamma-glutamyl transpeptidase as polarization markers during the organization of LLC-PK1 cells into an epithelial membrane. Rabito CA, et al. **J Biol Chem** 1984 Jan 10;259(1):574–82

Differential scanning calorimetry of Cd(II) alkaline phosphatases. Roberts CH, et al. **J Biol Chem** 1984 Mar 25;259(6):3625–32

Trypsin modification of Escherichia coli alkaline phosphatase. Roberts CH, et al. **J Biol Chem** 1984 Jan 25; 259(2):729–33

Intestinal lactase, sucrase, and alkaline phosphatase in 373 patients with coeliac disease. O'Grady JG, et al. **J Clin Pathol** 1984 Mar;37(3):298–301

Fluoride concentrations in rat and human tooth pulps and their possible interference with phosphatase activities. Ericsson Y, et al. **J Dent Res** 1983 Dec;62(12):1196–200

Alkaline phosphatase activity in non-Hodgkin's lymphomas and pseudolymphomas of the skin. Geerts ML, et al. **J Dermatol Surg Oncol** 1984 Apr;10(4):306–12

Histochemical studies of alkaline phosphatase in different hamster tissues with Schistosoma mansoni. Hamdy BH, et al. **J Egypt Soc Parasitol** 1983 Dec;13(2):491–500

Alkaline phosphatase activity in fresh intestinal mucosa and cultured mucosal explants. Ashkenazi A, et al. **J Pediatr Gastroenterol Nutr** 1984 Mar;3(2):210–4

Intestinal disaccharidase and alkaline phosphatase activity in giardiasis. Welsh JD, et al. **J Pediatr Gastroenterol Nutr** 1984;3(1):37–40

Unusual alkaline phosphatase isoenzyme pattern associated with parenteral nutrition [letter] Nanji AA, et al. **JPEN** 1984 Jan–Feb;8(1):53

Amniotic fluid alkaline phosphatase isoenzymes in early prenatal diagnosis of cystic fibrosis [letter] Brock DJ. **Lancet** 1984 Jan 14;1(8368):102

Alkaline phosphatase isoenzyme assays for prenatal diagnosis of cystic fibrosis [letter] Muller F, et al. **Lancet** 1984 Mar 10;1(8376):572

The relationship zinc—alkaline phosphatase activity in normal and pathologic granulocytes. Chirulescu Z, et al. **Med Interne** 1983 Jul–Sep;21(3):235–9

Hypophosphatasia: clinicopathologic comparison of the infantile, childhood, and adult forms. Fallon MD, et al. **Medicine (Baltimore)** 1984 Jan;63(1):12–24

Mechanism of action of 1,25-dihydroxyvitamin D3-induced stimulation of alkaline phosphatase in cultured osteoblast-like cells. Manolagas SC, et al. **Mol Cell Endocrinol** 1983 Nov;33(1):27–36 (17 ref.)

Cytochemical study of alkaline phosphatase activity in microvessels of rat cerebral cortex. Masuzawa T, et al. **Neurol Med Chir (Tokyo)** 1983 Jul;23(7):511–4

Alkaline phosphatase activity of rabbit erythrocyte rosette-forming thymocytes in the guinea pig. Kato S. **Nippon Ketsueki Gakkai Zasshi** 1983 Jul;46(4):1001–6

Ultrastructural localization of alkaline phosphatase in the calcifying epithelial odontogenic tumor. Morimoto C, et al. **Oral Surg** 1983 Oct;56(4):409–14

Characterization of phosphate binding by alkaline phosphatase in rat kidney brush border membrane. Beliveau R, et al. **Pflugers Arch** 1983 Aug;398(3):227–32

Alkaline phosphatase activity in amniotic fluid in pregnancies with fetal disorders. Jalanko H, et al. **Prenat Diagn** 1983 Oct;3(4):303–9

Pyridoxal 5'-phosphate disappearance from perfused rat jejunal segments: correlation with perfusate alkaline phosphatase and water absorption. Middleton HM 3d. **Proc Soc Exp Biol Med** 1983 Nov;174(2):249–57

Placental transfer of calcium (Ca) and phosphorus (Pi) in the guinea pig: lack of correlation with placental Ca-ATPase and alkaline phosphatase (AP) activities. McKercher HG, et al. **Prog Clin Biol Res** 1983;135:389–93

Effects of radiocalcium (45Ca) on murine skeletal muscle. II. Alterations in acid and alkaline phosphatases and glucose 6-phosphatase. Asotra K, et al. **Radiobiol Radiother (Berl)** 1983;24(3):393–401

Fluoride directly stimulates proliferation and alkaline phosphatase activity of bone-forming cells. Farley JR, et al. **Science** 1983 Oct 21;222(4621):330–2

Ferritin: protection of enzymatic activity against the inhibition by divalent metal ions in vitro. Price DJ, et al. **Toxicology** 1984 May 14;31(2):151–63

[Effect of fasting and high-protein feeding on small-intestine alkaline phosphatase and liver 5'-nucleotidase activity in rats] Adzharov D, et al. **Eksp Med Morfol** 1983;22(1):29–34 (Eng. Abstr.) (Bul)

[Action of estradiol and progesterone on alkaline and acid phosphatase activity in the sheep uterus] Pamukova D, et al. **Vet Med Nauki** 1983;20(3–4):107–13 (Eng. Abstr.) (Bul)

[Localization of alkaline and acid phosphatases in the testes and epididymis of calves during postnatal development] Semkov M, et al. **Vet Med Nauki** 1984;21(2):49–57 (Eng. Abstr.) (Bul)

[Comparative study of the alkaline phosphatases from bovine kidney and brain] Héloué M, et al. **Cell Mol Biol** 1984; 30(3):321–8 (Eng. Abstr.) (Fre)

[Enzyme changes in primary extranodular manifestation of Hodgkin disease and non-Hodgkin lymphomas] Redlow H, et al. **Radiobiol Radiother (Berl)** 1983;24(3):317–20 (Eng. Abstr.) (Ger)

[Modulation of alkaline phosphatase by butyrate and prednisolone in uterine cervical cancer cell line (SKG-III)] Nozawa S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Jan;36(1):57–66 (Eng. Abstr.) (Jpn)

[Role of alkaline phosphatase in the regulation of the stability of glucose-6-phosphate dehydrogenase from human cells cultivated in vitro] Zgurskiĭ AA, et al. **Biokhimiia** 1983 Nov;48(11):1804–9 (Eng. Abstr.) (Rus)

[Multiple forms of alkaline phosphatase and lactate dehydrogenase in the tissue of the brain gray matter in dogs during clinical death and after resuscitation] Molchanova LV, et al. **Patol Fiziol Eksp Ter** 1984 Mar–Apr;(2):16–9 (Eng. Abstr.) (Rus)

[Prostatic phosphomonoesterases in rats of different ages both intact and after gonadectomy] Vasilenko AS, et al.

Probl Endokrinol (Mosk) 1983 Nov-Dec;29(6):63-7 (Eng. Abstr.) **(Rus)**

[Effect of diphosphonic acids on alkaline phosphatase activity] Galvoronskaia GG, et al. **Ukr Biokhim Zh** 1983 Jul-Aug;55(4):403-7 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Progesterone-binding sites of the chick oviduct receptor. Presence of a weaker ligand site which is destroyed by phosphatase treatment. Maggi A, et al. **J Biol Chem** 1984 Sep 10;259(17):10956-66

In vivo effects of microinjected alkaline phosphatase and its low molecular weight substrates on the first meiotic cell division in Xenopus laevis oocytes. Hermann J, et al. **Proc Natl Acad Sci USA** 1984 Aug;81(16):5150-4

PHYSIOLOGY

Role of alkaline phosphatase in contraception--a review. Das PC. **Acta Physiol Pharmacol Bulg** 1983;9(2):74-8 (19 ref.)

RADIATION EFFECTS

Increased serum enzyme activity in microwave-exposed rats. Lu ST, et al. **Radiat Res** 1983 Oct;96(1):152-9

SECRETION

Effects of papain on rat duodenal brush border membranes: enzyme release and membrane morphology. Hearn PR, et al. **Cell Mol Biol** 1984;30(2):97-103

STANDARDS

Development of a reference material for alkaline phosphatase. Duncan PH, et al. **Clin Chem** 1984 Jan;30(1):93-7

URINE

Electrophoretic variants of alanine aminopeptidase, alkaline phosphatase, and gamma-glutamyltransferase in urine. Jung K, et al. **Clin Chem** 1984 Jun;30(6):856-9

The diagnostic value of urinary enzyme measurements in hypertension. Johnston ID, et al. **Clin Chim Acta** 1983 Oct 14;133(3):317-25

[Separation of alanine aminopeptidase, alkaline phosphatase and gamma-glutamyltransferase of the urine into their multiple forms by electrophoresis and ultracentrifugation] Wischke UW, et al. **Z Med Lab Diagn** 1983;24(8):474-5 **(Ger)**

[Urinary enzyme determination and its clinical significance. B. Enzymes derived from the urogenital system. 2. Alkaline phosphatase] Kano S. **Rinsho Byori** 1983 Sep;Spec No 56:27-31 **(Jpn)**

ALKALOIDS

Physico-chemical investigation of the mode of binding of the alkaloids 5,6-dihydroflavopereirine and sempervirine with DNA. Caprasse M, et al. **Biochimie** 1984 Jan; 66(1):31-41

Visualization of actin in situ by rhodamine-conjugated phalloin in the fungus Uromyces phaseoli. Hoch HC, et al. **Eur J Cell Biol** 1983 Nov;32(1):52-8

The mitotic spindle of Chinese hamster ovary cells isolated in taxol-containing medium. Kuriyama R, et al. **J Cell Sci** 1984 Mar;66:265-75

Autoxidation of the antitumor drug 9-hydroxyellipticine and its derivatives. Auclair C, et al. **J Med Chem** 1983 Oct; 26(10):1438-44

Regioselective arylation of ribose in adenosine and guanosine with the antitumor drug N2-methyl-9-hydroxyellipticinium acetate. Bernadou J, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(5):1297-301

[The structure of hainanolide] Bao GH, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1983 Apr; 5(2):89-93 (Eng. Abstr.) **(Chi)**

[Determination of labelled sites in 3H-homoharringtonine] Li LX. **Chung Yao Tung Pao** 1983 Jul;8(4):30-1 **(Chi)**

ADMINISTRATION & DOSAGE

Combined harringtonine or homoharringtonine chemotherapy for acute nonlymphocytic leukemia in 25 children. Li YH, et al. **Chin Med J [Engl]** 1983 Apr; 96(4):303-5

ADVERSE EFFECTS

Hemimelia in lambs. Allen JG, et al. **Aust Vet J** 1983 Sep; 60(9):283-4

Side effects of a traditional indigenous drug-Kutaja (Holarrhena antidysenterica) [letter] Chaturvedi GN, et al. **Indian J Physiol Pharmacol** 1983 Jul-Sep;27(3):255-6

[Renal toxicity of 9-hydroxy-2-methylellipticinium (letter)] Ryckelynck JP, et al. **Presse Med** 1984 Jan 21;13(2):104 **(Fre)**

ANALYSIS

Alkaloids in Strychnos aculeata. Weeratunga G, et al. **Acta Pharm Suec** 1984;21(2):135-40

Simple method for the determination of alkaloids in cocoa using paper chromatography and UV spectrometry. Sjöberg AM, et al. **J Chromatogr** 1984 Jul 6;295(1):291-4

The African Strychnos species and their alkaloids: a review. Ohiri FC, et al. **J Ethnopharmacol** 1983 Dec;9(2-3):167-223

Mitragyna: a note on the alkaloids of African species. Shellard EJ. **J Ethnopharmacol** 1983 Sep;8(3):345-7

Alkaloids from Strychnos chrysophylla. Verpoorte R, et al. **J Ethnopharmacol** 1984 Apr;10(2):243-7

The alkaloids of Corydalis meifolia. Bhakuni DS, et al. **J Nat Prod** 1983 Jul-Aug;46(4):466-70

[Variation of harringtonine content in Cephalataxus oliveri with seasons, parts and age of the tree] Pan WD. **Chung Yao Tung Pao** 1983 Nov;8(6):15-6 **(Chi)**

[Alkaloids of Aconitum episcopale Le'vl] Wang FP, et al. **Yao Hsueh Hsueh Pao** 1983 Jul;18(7):514-21 (Eng. Abstr.) **(Chi)**

[High performance liquid chromatographic determination of the main alkaloids in aconite] Wang MZ, et al. **Yao Hsueh Hsueh Pao** 1983 Sep;18(9):689-94 (Eng. Abstr.) **(Chi)**

[Studies on the chemical constituents of Thalictrum omeiense W.T. Wang] Xin WF, et al. **Yao Hsueh Hsueh Pao** 1983 Dec;18(12):920-4 (Eng. Abstr.) **(Chi)**

[Glass capillary gas chromatography of cephalotaxus alkaloids] Ye CQ, et al. **Yao Hsueh Hsueh Pao** 1983 Dec; 18(12):934-7 (Eng. Abstr.) **(Chi)**

[Ion-pair assay of lupanine and sparteine in seeds and meals of lupine with dietary potential] Mérillon JM, et al. **Ann Pharm Fr** 1983;41(2):177-84 (Eng. Abstr.) **(Fre)**

[Identification of minor alkaloids in commercial samples of cholchicine] Iorio MA, et al. **Ann Ist Super Sanita** 1982; 18(4):671-4 **(Ita)**

[Studies of plants containing indole alkaloids. IX. Quantitative analysis of tertiary alkaloids in various parts of Uncaria rhynchophylla MIQ] Yamanaka E, et al. **Yakugaku Zasshi** 1983 Oct;103(10):1028-33 (Eng. Abstr.) **(Jpn)**

[Method of developing alkaloids of different structural types on a thin layer of sorbent] Lovkova MIa, et al. **Prikl Biokhim Mikrobiol** 1983 Jul-Aug;19(4):560-3 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Inhibition by quercetin of the promoting effect of teleocidin on skin papilloma formation in mice initiated with 7,12-dimethylbenz[a]anthracene. Nishino H, et al. **Gann** 1984 Feb;75(2):113-6

BIOSYNTHESIS

Alkaloid production in Claviceps sp. strain SD-58: physiology of phosphate effect. Vaidya HC, et al. **Indian J Biochem Biophys** 1983 Aug;20(4):222-5

Production of cytotoxic canthin-6-one alkaloids by Ailanthus altissima plant cell cultures. Anderson LA, et al. **J Nat Prod** 1983 May-Jun;46(3):374-8

[Relation between assimilation of a nitrogen source and alkaloid biosynthesis in the strain Claviceps sp. CP II] Slokonka L, et al. **Acta Microbiol Bulg** 1984;14:43-9 (Eng. Abstr.) **(Bul)**

[Effect of the cultivation conditions on alkaloid biosynthesis by Penicillium gorlenkoanum] Stefanova-Avramova LN, et al. **Mikrobiologiia** 1984 May-Jun;53(3):437-41 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

Potential antitumor agents: synthesis and biological properties of aliphatic amino acid 9-hydroxyellipticinium derivatives. Auclair C, et al. **J Med Chem** 1984 Sep;27(9):1161-6

[Structure and synthesis of benzoquinolizidine alkaloids isolated from Alangium lamarckii] Fujii T. **Yakugaku Zasshi** 1983 Mar;103(3):257-72 (76 ref.) (Eng. Abstr.) **(Jpn)**

DIAGNOSTIC USE

Isolation of sea urchin egg microtubules with taxol and identification of mitotic spindle microtubule-associated proteins with monoclonal antibodies. Vallee RB, et al. **Proc Natl Acad Sci USA** 1983 Oct;80(20):6259-63

ISOLATION & PURIFICATION

Studies of Swedish marine organisms. II. Muscle-relaxant alkaloids from the marine bryozoan Flustra foliacea. Sjöblom T, et al. **Acta Pharm Suec** 1983;20(6):415-8

Isolation and identification of alkaloids of the subfamily Wurmbaeoideae. Santavý F, et al. **Acta Univ Palacki Olomuc Fac Med** 1983;105:63-110

The scientific basis for use of Strychnos henningsii (Gilg) plant material to stimulate appetite. Ogeto JO, et al. **East Afr Med J** 1983 Sep;60(9):603-7

The alkaloids of Corydalis meifolia. Bhakuni DS, et al. **J Nat Prod** 1983 May-Jun;46(3):320-4

Chemistry of acronycine IV. Minor constituents of acronine and the phytochemistry of the genus Acronychia. Funayama S, et al. **J Nat Prod** 1984 Mar-Apr;47(2):285-91

Tertiary indole alkaloids of Tabernaemontana dichotoma seeds. Perera P, et al. **Planta Med** 1983 Sep;49(1):28-31

[Studies on a Chinese drug, Aconitum spp. XXI. Alkaloids from Aconitum finetianum Hand-Mazz] Jiang SH, et al. **Yao Hsueh Hsueh Pao** 1983 Jun;18(6):440-5 (Eng. Abstr.) **(Chi)**

[Peptide alkaloids from Discaria febrifuga Mart.] Digel M, et al. **Hoppe Seylers Z Physiol Chem** 1983 Nov; 364(11):1641-3 (Eng. Abstr.) **(Ger)**

[A new quaternary alkaloid from Aspidosperma gilbertii] Duarte AP, et al. **An Acad Bras Cienc** 1983 Jun; 55(2):189-93 (Eng. Abstr.) **(Por)**

METABOLISM

Peroxidase-catalysed covalent binding of the antitumor drug 2N-methyl-9-hydroxy-ellipticine to proteins. Auclair C, et al. **Biochem Pharmacol** 1983 Dec 15;32(24):3883-6

Effect of membrane potential on the cellular uptake of 2-N-methyl-ellipticinium by L1210 cells. Charcosset JY, et al. **Biochem Pharmacol** 1984 Jul 15;33(14):2271-5

D-cysteine as a selective precursor for inorganic sulfate in the rat in vivo. Effect of D-cysteine on the sulfation of harmol. Glazenburg EJ, et al. **Biochem Pharmacol** 1984 Feb 15;33(4):625-8

Identification of the glucuronide and glutathione conjugates of the antitumor drug N2-methyl-9-hydroxyellipticinium acetate (Celiptium). Comparative disposition of this drug with its olivacinium isomer in rat bile. Maftouh M, et al. **Drug Metab Dispos** 1984 Jan-Feb;12(1):111-9

Metabolism of harmol and transport of harmol conjugates in isolated rat hepatocytes. Sundheimer DW, et al. **Drug Metab Dispos** 1983 Sep-Oct;11(5):433-40

Interaction of 9-aminoacridine, ethidium bromide and harman with DNA characterized by size exclusion high-performance liquid chromatography. McPherson DD, et al. **J Chromatogr** 1983 Dec 23;281:348-54

[14C]normacromerine fate in the rat. Ferguson PW, et al. **J Pharm Sci** 1984 May;73(5):692-3

Metabolism of cathinone to d-norpseudoephedrine in humans. Guantai AN, et al. **J Pharm Sci** 1983 Oct; 72(10):1217-8

A new microbial degradation pathway of steroid alkaloids. Gaberc-Porekar V, et al. **J Steroid Biochem** 1983 Oct; 19(4):1509-11

Metabolism of the anti-tumour drugs N2-methyl-9-hydroxyellipticinium acetate (NSC 264137) and N2-methyl-9-hydroxyolivacinium acetate in the rat: preliminary identification of biliary 9-(O)-glucuronide and 10-(S)-glutathione conjugates. Maftouh M, et al. **Xenobiotica** 1983 May;13(5):303-10

[Absorption, distribution and excretion of acronycine in rats] Liu CX, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Jun; 5(2):137-40 (Eng. Abstr.) **(Chi)**

[Anti-arrhythmic effects of sodium selenite] Tang FZ, et al. **Chung Kuo Yao Li Hsueh Pao** 1983 Dec;4(4):244-7 (Eng. Abstr.) **(Chi)**

[Disposition of 14C-cycleanine dimethoiodide in rats] Zhang ZD, et al. **Chung Kuo Yao Li Hsueh Pao** 1983 Dec; 4(4):242-4 (Eng. Abstr.) **(Chi)**

PHARMACODYNAMICS

Studies on the calcium antagonistic action of tetrandrine: IV. Effects of tetrandrine on isoproterenol and calcium-mediated positive chronotropic action in isolated rabbit atria. Fang DC, et al. **Acta Acad Med Wuhan** 1984; 4(1):8-11

Studies on the calcium antagonistic action of tetrandrine: V. Effects of tetrandrine, verapamil and propranolol on contractility and cAMP level of isolated rabbit left atria. Fang DC, et al. **Acta Acad Med Wuhan** 1984;4(1):12-5

Studies on the calcium antagonistic action of tetrandrine: VI. Comparison of effects of tetrandrine, verapamil and propranolol on myocardial blood flow. Fang DC, et al. **Acta Acad Med Wuhan** 1984;4(2):65-8

Studies on the calcium antagonistic action of tetrandrine: VII. Effects of tetrandrine on contractility of isolated rat uterus. Fang DC, et al. **Acta Acad Med Wuhan** 1984;4(2):69-74

Inhibition of platelet aggregation by cepharanthine is accomplished during the early, membrane-related activation process. Watanabe S. **Acta Med Okayama** 1984 Apr;38(2):101-15

Inotropic effect of harmaline on ventricular and atrial cat myocardium. Díaz G, et al. **Acta Physiol Lat Am** 1981; 31(3):173-81

Inhibition of processing of plant N-linked oligosaccharides by castanospermine. Hori H, et al. **Arch Biochem Biophys** 1984 Feb 1;228(2):525-33

Studies on the mechanism of castanospermine inhibition of alpha- and beta-glucosidases. Saul R, et al. **Arch Biochem Biophys** 1984 May 1;230(2):668-75

Classification and determination of pharmacodynamics of a new antihypoxidotic drug, vinconate, by pharmaco-EEG and psychometry. Saletu B, et al. **Arch Gerontol Geriatr** 1984 Jul;3(2):127-46

Effects of higenamine on isolated heart adrenoceptor of rabbit. Park CW, et al. **Arch Int Pharmacodyn Ther** 1984 Feb;267(2):279-88

Harmaline-induced rhythm in the lateral reticular nucleus. Bernard JF, et al. **Arch Ital Biol** 1983 Aug;121(3):139-50

Swainsonine inhibits macrophage receptor-mediated uptake and degradation of a mannosyl-oligosaccharide. Arumugham RG, et al. **Biochem Biophys Res Commun** 1983 Nov 15;116(3):922-30

Activation of calcium-activated, phospholipid-dependent protein kinase (protein kinase C) by new classes of tumor promoters: teleocidin and debromoaplysiatoxin. Fujiki H, et al. **Biochem Biophys Res Commun** 1984 Apr 30; 120(2):339-43

Epidermal growth factor and tumor promoters prevent DNA fragmentation by different mechanisms. Kanter P, et al.

Biochem Biophys Res Commun 1984 Jan 30;118(2):392–9
Insulinotropic effect of the tumor promoter teleocidin in isolated pancreatic islets. Yamamoto S, et al.
Biochem Biophys Res Commun 1983 Nov 30;117(1):78–85
The storage products in genetic and swainsonine-induced human mannosidosis. Cenci di Bello I, et al. **Biochem J** 1983 Dec 1;215(3):693–6
Swainsonine-induced oligosaccharide excretion in sheep. Time-dependent changes in the oligosaccharide profile. Daniel PF, et al. **Biochem J** 1984 Aug 1;221(3):601–7
Biosynthesis of intestinal microvillar proteins. The effect of swainsonine on post-translational processing of aminopeptidase N. Danielsen EM, et al. **Biochem J** 1983 Nov 15;216(2):325–31
Inhibition of acetylcholinesterase and cholinesterase by ellipticine derivatives. Alberici GF, et al.
Biochem Pharmacol 1983 Sep 15;32(18):2837–9
Effects of metyrapone and norharmane on microsomal mono-oxygenase and epoxide hydrolase activities. Bulleid NJ, et al. **Biochem Pharmacol** 1984 May 1;33(9):1451–7
Ellipticine derivatives interacting with model membranes. Influence of quaternarization of nitrogen-2. Lempereur L, et al. **Biochem Pharmacol** 1984 Aug 1;33(15):2499–503
Taxol effect on tubulin polymerization and associated guanosine 5'-triphosphate hydrolysis. Carlier MF, et al. **Biochemistry** 1983 Sep 27;22(20):4814–22
Castanospermine inhibits the processing of the oligosaccharide portion of the influenza viral hemagglutinin. Pan YT, et al. **Biochemistry** 1983 Aug 2; 22(16):3975–84
Inhibition of the in vitro formation of irreversibly sickled cells by cepharanthine. Ohnishi ST. **Br J Haematol** 1983 Dec;55(4):665–71
Glutamate inhibitory action of matrine at the crayfish neuromuscular junction. Ishida M, et al.
Br J Pharmacol 1984 Jun;82(2):523–31
Ryanodine prolongs Ca-currents while suppressing contraction in rat ventricular muscle cells. Mitchell MR, et al. **Br J Pharmacol** 1984 Jan;81(1):13–5
The effects of ryanodine, EGTA and low-sodium on action potentials in rat and guinea-pig ventricular myocytes: evidence for two inward currents during the plateau. Mitchell MR, et al. **Br J Pharmacol** 1984 Mar;81(3):543–50
Taxol stabilizes synaptosomal microtubules without inhibiting acetylcholine release. Burgoyne RD, et al. **Brain Res** 1983 Nov 28;280(1):190–3
Inhibition by 1 alpha, 25-dihydroxyvitamin D3 of induction of epidermal ornithine decarboxylase caused by 12-O-tetradecanoylphorbol-13-acetate and teleocidin B. Chida K, et al. **Cancer Res** 1984 Apr;44(4):1387–91
Distribution of the carcinogenic tryptophan pyrolysis product Trp-P-1 in control, 9-hydroxyellipticine and beta-naphthoflavone pretreated mice. Brandt I, et al.
Carcinogenesis 1983 Oct;4(10):1291–6
Modulation of natural killer susceptibility by indole alkaloid tumor promoter dihydroteleocidin B. Kabelitz D.
Cell Immunol 1984 Aug;87(1):304–8
The effects of taxol on cytoskeletal components in cultured fibroblasts and epithelial cells. Green KJ, et al.
Cell Motil 1983;3(4):283–305 (44 ref.)
Taxol stabilization of mitotic spindle microtubules: analysis using calcium-induced depolymerization. Salmon ED, et al. **Cell Motil** 1984;4(3):155–67
Enhancement of DNA binding, mutagenicity and carcinogenicity of polycyclic aromatic hydrocarbons after induction of cytochrome P-450 by ellipticines in rats and mice. Cresteil T, et al. **Chem Biol Interact** 1983 Nov; 47(2):145–56
Induction by 9-hydroxyellipticine of aryl hydrocarbon hydroxylase in perinatal rat liver and in primary fetal hepatocytes in culture. Cresteil T, et al.
Chem Biol Interact 1984 Jan;48(1):103–13
Inhibitors of cyclic AMP phosphodiesterase in Picrasma quassioides Bennet, and inhibitory activities of related beta-carboline alkaloids. Sung Y, et al.
Chem Pharm Bull (Tokyo) 1984 May;32(5):1872–7
Effect of l-tetrahydropalmatine on sleep-waking cycle of cats. Buda C, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Mar;5(1):5–8
Effect of methuenine on the fast inward sodium current in frog atrial fibres. Sauviat MP.
Chung Kuo Yao Li Hsueh Pao 1984 Jun;5(2):92–7
Modulation of cellular calcium stores in the perfused rat heart by isoproterenol and ryanodine. Hunter DR, et al.
Circ Res 1983 Nov;53(5):703–12
Mediator mechanisms of cathinone effects on animal behaviour. Babayan EA, et al. **Drug Alcohol Depend** 1983 Aug;12(1):31–5
A comparison of the catecholamine releasing effect of the khat alkaloids (-)-cathinone and (+)-norpseudoephedrine. Kalix P. **Drug Alcohol Depend** 1983 Jun;11(3-4):395–401
In vivo and in vitro studies on the role of HMW-MAPs in taxol-induced microtubule bundling. Albertini DF, et al. **Eur J Cell Biol** 1984 Jan;33(1):134–43
The effects of taxol on the organization of the cytoskeleton in cultured ovarian granulosa cells. Herman B, et al.
Eur J Cell Biol 1983 Jul;31(1):34–45
Effects of wisanine and dihydrowisanine on aggressive behaviour in chicks. Ayitey-Smith E, et al.
Eur J Pharmacol 1983 Nov 11;95(1-2):139–41
The action of tabernanthine on noradrenaline-stimulated contractions and 45Ca movements in rat isolated vascular smooth muscle. Miller RC, et al. **Eur J Pharmacol** 1983 Dec 23;96(3-4):251–9
Relationship between ascorbic acid and cell division. Liso R, et al. **Exp Cell Res** 1984 Feb;150(2):314–20
Swainsonine affects the processing of glycoproteins in vivo. Abraham DJ, et al. **FEBS Lett** 1983 Oct 31;163(1):110–3
The pharmacology of khat. Kalix P. **Gen Pharmacol** 1984; 15(3):179–87 (68 ref.)
Effects of harringtonine in combination with acivicin, adriamycin, L-asparaginase, cytosine arabinoside, dexamethasone, fluorouracil or methotrexate on human acute myelogenous leukemia cell line KG-1. Okano T, et al. **Invest New Drugs** 1983;1(2):145–50
Abnormal glycosylation of human cellular fibronectin in the presence of swainsonine. Arumugham RG, et al.
J Biol Chem 1983 Oct 10;258(19):11883–9
Intercalative antitumor drugs interfere with the breakage-reunion reaction of mammalian DNA topoisomerase II. Tewey KM, et al. **J Biol Chem** 1984 Jul 25;259(14):9182–7
Inhibition by swainsonine of the degradation of endocytosed glycoproteins in isolated rat liver parenchymal cells. Winkler JR, et al. **J Biol Chem** 1984 Feb 10;259(3):1958–62
Taxol-induced rose microtubule polymerization in vitro and its inhibition by colchicine. Morejohn LC, et al.
J Cell Biol 1984 Jul;99(1 Pt 1):141–7
Taxol-induced bundling of brain-derived microtubules. Turner PF, et al. **J Cell Biol** 1984 Sep;99(3):940–6
Mitogenic and comitogenic properties of the indole alkaloid class of tumor promotors. Novogrodsky A, et al.
J Cell Physiol 1984 Jul;120(1):36–40
Effect of microtubule inhibitors on the expansion of hypoblast and margin of overgrowth of chick blastoderms. Mareel M, et al. **J Embryol Exp Morphol** 1984 Jun;81:273–86
Biological activity of the alkaloids of Erythroxylum coca and Erythroxylum novogranatense. Novák M, et al.
J Ethnopharmacol 1984 May;10(3):261–74 (68 ref.)
Preference in rhesus monkeys given a choice between cocaine and d,l-cathinone. Woolverton WL, et al.
J Exp Anal Behav 1984 Jan;41(1):35–43
Ryanodine modification of cardiac muscle responses to potassium-free solutions. Evidence for inhibition of sarcoplasmic reticulum calcium release. Sutko JL, et al.
J Gen Physiol 1983 Sep;82(3):385–404
11-Methoxy-macusine A. A new quaternary alkaloid from Strychnos angolensis. Verpoorte R, et al. **J Nat Prod** 1983 Jul-Aug;46(4):572–5
Effects on gastric acid secretion of a steroidal alkaloid, epipachysamine-A, extracted from Pachysandra terminalis Sieb. et Zucc. Maeda-Hagiwara M, et al.
J Pharmacobiodyn 1984 Apr;7(4):263–7
Effects of d-coclaurine and d-reticuline, benzyltetrahydroisoquinoline alkaloids, on levels of 3,4-dihydroxyphenylacetic acid and homovanillic acid in the mouse striatum. Watanabe H, et al.
J Pharmacobiodyn 1983 Oct;6(10):793–6
Ethanol effects on harmaline-induced tremor and increase of cerebellar cyclic GMP. Rappaport MS, et al.
Life Sci 1984 Jan 2;34(1):49–56
Interactions of gephyrotoxin with the acetylcholine receptor-ionic channel complex. I. Blockade of the ionic channel. Souccar C, et al. **Mol Pharmacol** 1984 May; 25(3):384–94
Interactions of gephyrotoxin with the acetylcholine receptor-ionic channel complex. II. Enhancement of desensitization. Souccar C, et al. **Mol Pharmacol** 1984 May; 25(3):395–400
Differential effects of opiate peptides and alkaloids on anterior pituitary hormone secretion. Delitala G, et al.
Neuroendocrinology 1983 Oct;37(4):275–9
Blockade of electrophysiological properties of muscle fibres by lycorine. Quevedo L, et al. **Neuropharmacology** 1984 Mar;23(3):391–4
Morphological alterations in dorsal root ganglion neurons and supporting cells of organotypic mouse spinal cord-ganglion cultures exposed to taxol. Masurovsky EB, et al. **Neuroscience** 1983 Oct;10(2):491–509
Discriminative stimulus properties of S(-)- and R(+)-cathinone, (+)-cathine and several structural modifications. Glennon RA, et al.
Pharmacol Biochem Behav 1984 Jul;21(1):1–3
The effects of dl-cathinone, d-amphetamine and cocaine on avoidance responding in rats and their interactions with haloperidol and methysergide. Huang D, et al.
Pharmacol Biochem Behav 1984 May;20(5):721–9
Effects of catecholamine-related mammalian alkaloids on spontaneous and vasopressin-induced behavior in mice. Meisenberg G, et al. **Pharmacol Biochem Behav** 1984 Mar; 20(3):355–60
Harmaline effects on the sensory-motor reactivity: modifications of the acoustic startle pattern. Pellet J, et al. **Pharmacol Biochem Behav** 1983 Sep;19(3):527–34
Comparison of behavioral effects of cathinone, amphetamine and apomorphine. Schechter MD, et al.
Pharmacol Biochem Behav 1984 Feb;20(2):181–4
Effects of hippadine, an Amaryllidaceae alkaloid, on testicular function in rats. Chattopadhyay S, et al.
Planta Med 1983 Dec;49(4):252–4
Studies on cryptolepine. III: Effect of cryptolepine on the tone and prostaglandin production in isolated rabbit duodenum. Noamesi BK, et al. **Planta Med** 1984 Feb; (1):98–101
Inhibition of butyrylcholinesterase activity by some isoquinoline alkaloids. Ulrichová J, et al. **Planta Med** 1983 Jul;48(3):174–7
Medicinal plants of surinam. III: Antimicrobially active alkaloids from aspidosperma excelsum. Verpoorte R, et al.
Planta Med 1983 Aug;48(4):283–9
Antagonism by taxol of effects of microtubule-disrupting agents on lymphocyte cAMP metabolism and cell function. Wolberg G, et al. **Proc Natl Acad Sci USA** 1984 Jun; 81(11):3496–500
Ethanol and tetrahydroisoquinoline alkaloids do not produce narcotic discriminative stimulus effects. Shearman GT, et al. **Psychopharmacology (Berlin)** 1983;81(3):224–7
Interactions between 9-hydroxyellipticine and X rays on mammalian cell survival in vitro. Michel S, et al.
Radiat Res 1983 Dec;96(3):592–602
Effects of the administration of coca alkaloids on the primary immune responses of mice: interaction with delta 9-tetrahydrocannabinol and ethanol. Watson ES, et al.
Toxicol Appl Pharmacol 1983 Oct;71(1):1–13
The vasoactive potential of halostachine, an alkaloid of tall fescue (Festuca arundinaceae, Schreb) in cattle. Davis CB, et al. **Vet Hum Toxicol** 1983 Dec;25(6):408–11
Influence of 9-hydroxyellipticine and 3-methylcholanthrene treatment on antipyrine metabolite formation in rats in vivo. Teunissen MW, et al. **Xenobiotica** 1983 Apr;13(4):223–31
[Clinical electrophysiological studies of higenamine in sick sinus syndrome] Chen FH.
Chung Hsi I Chieh Ho Tsa Chih 1984 Jan;4(1):30–1 (Eng. Abstr.) (Chi)
[Studies on the influence of harringtonine on CHO cell cytokinetics using premature chromosome condensation and clone reduction methods] Pan WL.
Chung Hua Chung Liu Tsa Chih 1983 Jul;5(4):256–8 (Eng. Abstr.) (Chi)
[Effects of higenamine on action potential in canine Purkinje fibers and ventricular muscle] Qiao SY.
Chung Hua Hsin Hsueh Kuan Ping Tsa Chih 1983 Dec; 11(4):260–4 (Eng. Abstr.) (Chi)
[Electrophysiologic studies on the antiarrhythmic effect of tetrandrine] Zhang GQ, et al.
Chung Hua Hsin Hsueh Kuan Ping Tsa Chih 1983 Sep; 11(3):224–6 (Eng. Abstr.) (Chi)
[Anti-calcium action of tetrandrine] Fang DC, et al.
Chung Hua I Hsueh Tsa Chih 1983 Dec;63(12):772–4 (Chi)
[Epiharringtonine-induced enhancement of harringtonine inhibition on protein and DNA synthesis in tumor cells] Wu GY, et al.
Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao 1983 Jun; 5(3):157–60 (Eng. Abstr.) (Chi)
[Antagonistic effects of tetrandrine on ouabain-induced contraction of coronary arterial strips] Cha ZL, et al.
Chung Kuo Yao Li Hsueh Pao 1983 Sep;4(3):177–9 (Eng. Abstr.) (Chi)
[Anti-arrhythmia effects of guan-fu base A] Chen WZ, et al. **Chung Kuo Yao Li Hsueh Pao** 1983 Dec;4(4):247–50 (Eng. Abstr.) (Chi)
[Effects of tetrandrine on contractility of isolated pig coronary artery strips] Jia JF, et al.
Chung Kuo Yao Li Hsueh Pao 1984 Mar;5(1):32–5 (Eng. Abstr.) (Chi)
[Effect of tetrandrine and verapamil on contractility and oxygen consumption of the heart muscles] Yao WX, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Jun;5(2):97–100 (Eng. Abstr.) (Chi)
[Analgesic and antipyretic effects of trilobine hydrochloride without induction of physical dependence] Zheng LZ, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Mar;5(1):11–4 (Eng. Abstr.) (Chi)
[Effects of tetrandrine on action potential and contraction of isolated guinea pig papillary muscle] Zong XG, et al.
Chung Kuo Yao Li Hsueh Pao 1983 Dec;4(4):258–61 (Eng. Abstr.) (Chi)
[The effects of harringtonine and allied alkaloids on the cAMP level of leukemic cells of L615 and P388] Li ZR, et al. **Yao Hsueh Hsueh Pao** 1983 Apr;18(4):303–6 (Eng. Abstr.) (Chi)
[Depletion of monoamines in the rat by DL-tetrahydropalmatine] Liu GQ, et al.
Yao Hsueh Hsueh Pao 1983 Sep;18(9):641–7 (Eng. Abstr.) (Chi)
[Influence of pargyline on depletion of catecholamines in the rat brain caused by DL-tetrahydropalmatine] Liu GQ.
Yao Hsueh Hsueh Pao 1983 Jun;18(6):472–4 (Eng. Abstr.) (Chi)
[Inhibition by ellipticine derivatives of the reactions catalysed by the topoisomerases: preferential inhibition of topoisomerase II] Douc-Rasy S, et al.
C R Seances Acad Sci [III] 1983;296(19):899–904 (Eng. Abstr.) (Fre)
[Complementary study of the cytotoxicity of melinonine F, an alkaloid derivative of beta-carboline] Bassleer R, et al.
Planta Med 1983 Nov;49(3):158–61 (Eng. Abstr.) (Fre)
[Nutritive effects of acridone derivatives. (2d study in the series 'Natural materials in animal nutrition')] Kaemmerer K, et al. **Zentralbl Veterinarmed [A]** 1984 Feb;31(1):31–45 (Eng. Abstr.) (Ger)
[Protective effects of matrine and oxymatrine on stress ulcer in relation to their effects on the central nervous system] Yamazaki M, et al. **Yakugaku Zasshi** 1984 Mar; 104(3):293–301 (Eng. Abstr.) (Jpn)

[Inhibition of the reactions of DNA hydrolysis and RNA synthesis by the alkaloid sanguinarine] Beliaeva TN, et al. **Biokhimiia** 1984 Feb;49(2):222–9 (Eng. Abstr.) **(Rus)**

[Ion–dependency of the GABA–potentiating effects of benzodiazepine tranquilizers and harmane] Abramets II, et al. **Biull Eksp Biol Med** 1984 Jun;97(6):679–81 (Eng. Abstr.) **(Rus)**

[Mediator nature of the action of cathinone on animal behavior] Machula AI, et al. **Farmakol Toksikol** 1983 Sep–Oct;46(5):19–22 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Leukemic cell differentiation in vivo and in vitro: arrest of proliferation parallels the differentiation induced by the antileukemic drug Harringtonine. Boyd AW, et al. **Blood** 1984 Feb;63(2):384–92

Phase I–II evaluation of acronine in patients with multiple myeloma. Scarffe JH, et al. **Cancer Treat Rep** 1983 Jan; 67(1):93–4

Harringtonine in treatment of polycythemia vera. Lu LH, et al. **Chin Med J [Engl]** 1983 Jul;96(7):533–5

Phase II study of 9–hydroxy–2N–methylellipticinium acetate. Claryssе A, et al. **Eur J Cancer Clin Oncol** 1984 Feb; 20(2):243–7

Inhibition by hydroxy–N–methyl elliptinium of precancerous mammary hyperplastic alveolar nodule formation in mice. Nagasawa H, et al. **Eur J Cancer Clin Oncol** 1984 Feb; 20(2):273–6

Comparative in vitro antitumor activity of homoharringtonine and harringtonine against clonogenic human tumor cells. Jiang TL, et al. **Invest New Drugs** 1983; 1(1):21–5

Sanguinarine, a new antiplaque agent: retention and plaque specificity. Southard GL, et al. **J Am Dent Assoc** 1984 Mar; 108(3):338–41

The Kerry Burke case and homoharringtonine [letter] Sullivan J, et al. **Med J Aust** 1984 Sep 1;141(5):317–8

[Clinical trial of the preparation Verbascan in treating gastrointestinal and biliary diseases] Dimitrov B, et al. **Vutr Boles** 1983;22(1):18–24 (Eng. Abstr.) **(Bul)**

[Preliminary study of the mechanism of silicosis therapy by tetrandrine] Jiang HX. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1983 Apr;6(2):92–4 (Eng. Abstr.) **(Chi)**

[Effect of tetrandrine on acute experimental myocardial infarction] Yu SL. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1983 Jun; 11(2):147–9 **(Chi)**

[Treatment of chronic aplastic anemia with securinine—analysis of 123 cases] **Chung Hua Nei Ko Tsa Chih** 1983 Dec;22(12):764–6 (Eng. Abstr.) **(Chi)**

[Studies on the antineoplastic action and toxicity of partially synthetic harringtonine] Ji XJ, et al. **Yao Hsueh Hsueh Pao** 1983 Apr;18(4):299–302 (Eng. Abstr.) **(Chi)**

[The effect of dimethyltrilobine iodide on experimental arrhythmia and its electrophysiological action on myocardium] Ming Z, et al. **Yao Hsueh Hsueh Pao** 1984 Jan;19(1):12–5 (Eng. Abstr.) **(Chi)**

[Action of taxol on human tumors transplanted in athymic mice] Jacrot M, et al. **C R Seances Acad Sci [III]** 1983; 297(13):597–600 (Eng. Abstr.) **(Fre)**

[Treatment of metastatic renal cancer in adults with elliptinium acetate] Amiel JL, et al. **Presse Med** 1984 Jun 16;13(25):1555–7 (Eng. Abstr.) **(Fre)**

TOXICITY

The similar effects of swainsonine and locoweed on tissue glycosidases and oligosaccharides of the pig indicate that the alkaloid is the principal toxin responsible for the induction of locoism. Tulsiani DR, et al. **Arch Biochem Biophys** 1984 Jul;232(1):76–85

Increase in the synthesis of a Mr 32,000 protein in BALB/c 3T3 cells treated with tumor–promoting indole alkaloids or polyacetates. Hiwasa T, et al. **Cancer Res** 1983 Dec;43(12 Pt 1):5951–5

Expression of drug sensitivity and tumorigenicity in intraspecies hybrids between 9–hydroxyellipticine–sensitive and –resistant cells. Rémy JJ, et al. **Cancer Res** 1984 Oct; 44(10):4587–93

Antagonistic action of retinoic acid against teleocidin and 12–O–tetradecanoyl–phorbol–13–acetate on activation of Epstein–Barr virus genomes. Lin JC, et al. **Carcinogenesis** 1984 Apr;5(4):483–7

Effect of norharman on DNA strand breaks and mutation of Chinese hamster V79 cells by chemical carcinogens. Mita S, et al. **Carcinogenesis** 1984 Jun;5(6):715–8

Potent antitumor promoting activity of N–6–aminohexyl)–5–chloro–1–naphthalenesulfonamide, a calmodulin antagonist, in mouse skin tumor formation induced by 7,12–dimethylbenz[a]anthracene plus teleocidin. Nishino H, et al. **Carcinogenesis** 1984 Feb;5(2):283–5

Acute effects of 12–O–tetradecanoylphorbol–13–acetate, teleocidin B, or 2,3,7,8–tetrachlorodibenzo–p–dioxin on cultured normal human bronchial epithelial cells. Willey JC, et al. **Carcinogenesis** 1984 Feb;5(2):209–15

The toxic effects in rats of some synthanecine carbamate and phosphate esters analogous to hepatotoxic pyrrolizidine alkaloids. Driver HE, et al. **Chem Biol Interact** 1984 Sep 15;51(2):201–18

Summer fescue toxicity in dairy steers fed tall fescue seed. Jackson JA Jr, et al. **J Anim Sci** 1984 May;58(5):1057–61

Mutagenic effects of aqueous extracts of Symphytum officinale L. and of its alkaloidal fractions. Furmanowa M, et al. **J Appl Toxicol** 1983 Jun;3(3):127–30

A two–stage mouse skin carcinogenesis study of lyngbyatoxin A. Fujiki H, et al. **J Cancer Res Clin Oncol** 1984; 108(1):174–6

Inhibition of neurite initiation and growth by taxol. Letourneau PC, et al. **J Cell Biol** 1984 Apr;98(4):1355–62

UV–mediated genotoxicity of furanoquinoline and of certain tryptophan–derived alkaloids. Towers GH, et al. **J Nat Prod** 1983 Jul–Aug;46(4):576–81

Cytotoxicity and sister chromatid exchanges induced in vitro by six anticancer drugs developed in the People's Republic of China. Huang CC, et al. **JNCI** 1983 Oct;71(4):841–7

Studies on the induction of sister–chromatid exchanges in Chinese hamster ovary cells by various tobacco alkaloids. Riebe M, et al. **Mutat Res** 1983 Dec;124(3–4):281–6

Toxicity of jimson weed seed and cocoa shell meal to broilers. Day EJ, et al. **Poult Sci** 1984 Mar;63(3):466–8

Relationships between the structures of taxol and baccatine III derivatives and their in vitro action on the disassembly of mammalian brain and Physarum amoebal microtubules. Lataste H, et al. **Proc Natl Acad Sci USA** 1984 Jul; 81(13):4090–4

Nephrotic syndrome and collagenizing glomerulopathy in PVG/c rats treated with the alpha–mannosidase inhibitor 'swainsonine'. Huxtable CR, et al. **Vet Pathol** 1983 Nov; 20(6):727–36

[Preclinical study of the safety of the new Soviet tranquilizer gindarin] Arzamastsev EV, et al. **Farmakol Toksikol** 1983 Jul–Aug;46(4):107–12 (Eng. Abstr.) **(Rus)**

URINE

Human and rat urinary metabolites of the antitumor drug Celiptium (N2–methyl–9–hydroxyellipticinium acetate, NSC 264137). Identification of cysteine conjugates supporting the 'biooxidative alkylation' hypothesis. Monsarrat B, et al. **Biochem Pharmacol** 1983 Dec 15; 32(24):3887–90

ALKALOSIS

BLOOD

Metabolic alkalosis in the Yucatan miniature boar following desoxycorticosterone–acetate (DOCA) implantation. Terris JM. **Comp Biochem Physiol [B]** 1983;76(3):535–40

Effect of alimentary alkalemia on maximal duration of anaerobic work and lactate concentration in muscles and blood. Kots YaM, et al. **Hum Physiol** 1983 May–Jun; 9(3):169–74

[A case of hypochloremic alkalosis in a newborn infant] van de Bor M, et al. **Tijdschr Kindergeneeskd** 1984 Feb; 52(1):30–4 (Eng. Abstr.) **(Dut)**

CHEMICALLY INDUCED

Alkalemia in diabetic ketoacidosis. Cronin JW, et al. **Am J Med** 1984 Jul;77(1):192–4

Clinical curio: addiction to sherbet fountains. Kaye G, et al. **Br Med J [Clin Res]** 1983 Oct 15;287(6399):1121

Dexamethasone causes less steroid–induced alkalemia than methylprednisolone or hydrocortisone. Chernow B, et al. **Crit Care Med** 1984 Apr;12(4):384–6

Extreme metabolic alkalosis with fludrocortisone therapy. Burns A, et al. **Postgrad Med J** 1983 Aug;59(694):506–7

[Arterial hypertension with hypopotassemia and hypochloremic metabolic alkalosis caused by abuse of a nasal spray] Pepe M, et al. **Minerva Med** 1983 Oct 13; 74(39):2323–6 (Eng. Abstr.) **(Ita)**

[Hypokalemic myopathy and metabolic alkalosis secondary to the topical application of 9–alpha–fluoroprednisolone] Pachón Diaz J, et al. **Rev Clin Esp** 1983 Sep 15;170(5):221–2 **(Spa)**

COMPLICATIONS

Use of sodium bicarbonate to treat tricyclic antidepressant–induced arrhythmias in a patient with alkalosis. Molloy DW, et al. **Can Med Assoc J** 1984 Jun 1;130(11):1457–9

DIAGNOSIS

A practical approach to acid–base disorders. Aronoff GR, et al. **J Indiana State Med Assoc** 1983 Nov;76(11):764–6

Extraordinary alkalemia and triple acid–base disturbance. Gardner LB, et al. **South Med J** 1984 Feb;77(2):265–8

[Diagnosis of gastric hypokalemic alkalosis] Walb D. **Dtsch Med Wochenschr** 1984 Feb 3;109(5):183–5 **(Ger)**

[Diabetic ketoalkalosis] Gastón Morata JL, et al. **Rev Clin Esp** 1984 Jan 31;172(2):113–4 **(Spa)**

DRUG THERAPY

World record in metabolic alkalosis? Carlsson C, et al. **Crit Care Med** 1984 Feb;12(2):149

[Paradoxical reaction of intracellular pH values during therapy of acid–base imbalance with arginine hydrochloride] Rothe KF, et al. **Anaesthesist** 1983 Nov; 32(11):532–7 (Eng. Abstr.) **(Ger)**

[Results of therapy of severe metabolic alkalosis using hydrochloric acid infusions] Rothe KF, et al. **Anasth Intensivther Notfallmed** 1984 Apr;19(2):60–4 (Eng. Abstr.) **(Ger)**

[Therapy of gastric alkalosis] Walb D. **Dtsch Med Wochenschr** 1984 Feb 3;109(5):186 **(Ger)**

[Treatment of experimental metabolic alkalosis by sorbamine] Smirnova IL, et al. **Biull Eksp Biol Med** 1984 Feb; 97(2):152–5 (Eng. Abstr.) **(Rus)**

[Comparative study of various methods of treating experimental metabolic alkalosis] Groznaia TG, et al. **Patol Fiziol Eksp Ter** 1984 Jan–Feb;(1):52–7 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Clinical incidence and causes of metabolic alkalosis in children. Arnold WC, et al. **J Arkansas Med Soc** 1983 Sep; 80(4):186–8

The spectrum of serum electrolytes in hypertrophic pyloric stenosis. Touloukian RJ, et al. **J Pediatr Surg** 1983 Aug; 18(4):394–7

METABOLISM

Characteristics of the inhibitory effect of alkalosis on insulin secretion. Rebolledo OR, et al. **Acta Physiol Lat Am** 1983; 33(1):45–51

Halothane diminishes changes in cardiac fiber action potential duration induced by hypocarbia and hypercarbia. Stowe DF, et al. **Anesthesiology** 1984 Sep;61(3):245–53

Effects of lactate on glucose metabolism of developing rat brain. Miller AL, et al. **Brain Res** 1984 May;316(1):33–40

Segmental chloride and fluid handling during correction of chloride–depletion alkalosis without volume expansion in the rat. Galla JH, et al. **J Clin Invest** 1984 Jan;73(1):96–106

Proximal tubular bicarbonate reabsorption and PCO2 in chronic metabolic alkalosis in the rat. Maddox DA, et al. **J Clin Invest** 1983 Oct;72(4):1385–95

The maintenance of metabolic alkalosis: factors which decrease bicarbonate excretion. Sabatini S, et al. **Kidney Int** 1984 Feb;25(2):357–61 (49 ref.)

Metabolic alkalosis following relief of urinary tract obstruction. Spital A, et al. **NY State J Med** 1983 Jul–Sep; 83(8–10):1058–60

Corticotropin–induced alkalosis in the weanling rat and its relation to the balance of non–metabolizable base. Wamberg S, et al. **Scand J Clin Lab Invest** 1983 Feb; 43(1):73–83

PATHOLOGY

Stereological–ultrastructural study of pancreatic B cells in metabolic alkalosis. Semino MC, et al. **Acta Anat (Basel)** 1983;117(4):355–61

PHYSIOPATHOLOGY

Relative effects of systemic pH, PCO2, and HCO3 concentration on colonic ion transport. Charney AN, et al. **Am J Physiol** 1984 Feb;246(2 Pt 1):G159–65

Metabolic alkalosis in models of primary and secondary hyperparathyroid states. Hulter HN, et al. **Am J Physiol** 1983 Oct;245(4):F450–61

On the generation, maintenance, and correction of metabolic alkalosis. Jacobson HR, et al. **Am J Physiol** 1983 Oct; 245(4):F425–32 (57 ref.)

Chloride–depletion alkalosis with a normal extracellular fluid volume. Luke RG, et al. **Am J Physiol** 1983 Oct; 245(4):F419–24 (54 ref.)

Relative peripheral and central chemosensory responses to metabolic alkalosis. Pokorski M, et al. **Am J Physiol** 1983 Dec;245(6):R973–80

Proximal tubular acidification in metabolic alkalosis. Mello–Aires M, et al. **Braz J Med Biol Res** 1983 Dec; 16(4):365–74

Changes in brain ECF pH during metabolic acidosis and alkalosis: a microelectrode study. Javaheri S, et al. **J Appl Physiol** 1983 Dec;55(6):1849–53

Ventilatory response to chronic metabolic acidosis and alkalosis in the dog. Madias NE, et al. **J Appl Physiol** 1984 Jun;56(6):1640–6

Metabolic alkalosis [letter] Trachtman H. **NY State J Med** 1984 Jan;84(1):6–7

[Molsidomine prevention of coronary artery spasm caused by alkalosis] Weber S, et al. **Ann Cardiol Angeiol (Paris)** 1983 Dec;32(8):545–9 (Eng. Abstr.) **(Fre)**

THERAPY

'A dose of salts'—cum grano salis [letter] Lowe FM. **Hosp Pract** 1983 Oct;18(10):20

VETERINARY

Effects of dietary chloride restriction in lactating dairy cows. Fettman MJ, et al. **J Am Vet Med Assoc** 1984 Jul 15; 185(2):167–72

Iatrogenic metabolic alkalosis with respiratory alkalosis in a dog with patent ductus arteriosus. Russo EA. **J Am Vet Med Assoc** 1983 Oct 15;183(8):889–92

[Respiratory activity of cows with abomasal displacement: effect of metabolic alkalosis] Vörös K, et al. **DTW** 1983 Nov 7;90(11):468–71 (Eng. Abstr.) **(Ger)**

ALKALOSIS, RESPIRATORY

Efficacy and neurologic outcome of profound hypocapneic alkalosis for the treatment of persistent pulmonary hypertension in infancy. Ferrara B, et al. **J Pediatr** 1984 Sep;105(3):457–61

DIAGNOSIS

Hyperventilation syndrome. Brashear RE. **Lung** 1983; 161(5):257–73 (117 ref.)

ETIOLOGY

Respiratory alkalosis early after stroke: its relation to loco-motor function. Asplund K, et al. **Scand J Rehabil Med [Suppl]** 1983;9:103–7

METABOLISM

Intestinal ion transport and intracellular pH during acute respiratory alkalosis and acidosis. Kurtin P, et al. **Am J Physiol** 1984 Jul;247(1 Pt 1):G24–31

PHYSIOPATHOLOGY

Suppression of distal urinary acidification after recovery from chronic hypocapnia. Batlle DC, et al. **Am J Physiol** 1983 Oct;245(4):F433–42

VETERINARY

Iatrogenic metabolic alkalosis with respiratory alkalosis in a dog with patent ductus arteriosus. Russo EA. **J Am Vet Med Assoc** 1983 Oct 15;183(8):889–92

ALKANES

Odor threshold determination for 2-nitropropane. Crawford GN, et al. **Am Ind Hyg Assoc J** 1984 Feb;45(2):B7–8

Odor threshold determination for 2-nitropropane [letter] Lewis TR, et al. **Am Ind Hyg Assoc J** 1984 Jun;45(6):B16

ADMINISTRATION & DOSAGE

Hydrocarbons disposition, lipid content, and fatty acid composition in trout after long-term dietary exposure to n-alkanes. Cravedi JP, et al. **Environ Res** 1983 Dec; 32(2):398–413

ANALYSIS

Elevated n-alkanes in congenital ichthyosiform erythroderma. Phenotypic differentiation of two types of autosomal recessive ichthyosis. Williams ML, et al. **J Clin Invest** 1984 Jul;74(1):296–300

CHEMICAL SYNTHESIS

[New regioselective synthesis of racemic 7,11-dimethyloctadecane--an ovipositon attractant for the yellow fever mosquito (Aedes aegypti)] Odinokov VN, et al. **Dokl Akad Nauk SSSR** 1983;271(5):1143–5 **(Rus)**

METABOLISM

Measurement of the oxidation rate of volatile alkanes: a new and non-invasive procedure for testing the drug-metabolizing capacity of the liver. Remmer H, et al. **Biochem Soc Trans** 1984 Feb;12(1):28–30

Lipid studies on Candida tropicalis grown on alkane. Gilewicz M, et al. **Biol Cell** 1983;49(3):283–5

Occurrence and distribution of n-alkanes in sucking-calf tissues. Di Muccio A, et al. **Ecotoxicol Environ Safety** 1984 Jun;8(3):248–53

Antioxidant effect of diethyldithiocarbamate on microsomal lipid peroxidation assessed by low-level chemiluminescence and alkane production. Bartoli GM, et al. **FEBS Lett** 1983 Dec 12;164(2):371–4

Incorporation of chlorinated alkanes into fatty acids of hydrocarbon-utilizing mycobacteria. Murphy GL, et al. **J Bacteriol** 1983 Dec;156(3):1158–64

Ferrous ion-stimulated alkane expiration in rats treated with carbon tetrachloride. Muliawan H, et al. **Toxicology** 1983 Sep;28(1-2):29–36

Cytochrome P-450 oxidation of alkanes originating as scission products during lipid peroxidation. Remmer H, et al. **Xenobiotica** 1984 Jan-Feb;14(1-2):207–19

[Emulsifying activity of yeasts growing on normal alkanes] Illarionova VI, et al. **Mikrobiologiia** 1984 May-Jun; 53(3):423–6 (Eng. Abstr.) **(Rus)**

[Chemical composition and role of Pseudomonas aeruginosa peptidoglycolipid in hydrocarbon assimilation] Koronelli TV, et al. **Mikrobiologiia** 1983 Sep-Oct;52(5):767–70 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Effect of hexadecane on the pharmacokinetics of hexachlorobenzene. Scheufler E, et al. **Toxicol Appl Pharmacol** 1984 Sep 15;75(2):190–7

POISONING

Child abuse: parenteral hydrocarbon administration. Saulsbury FT, et al. **Pediatrics** 1984 May;73(5):719–22

THERAPEUTIC USE

[Use of naphtha in medicine] Ostrogović Z, et al. **Reumatizam** 1984;31(1-2):17–22 (Eng. Abstr.) **(Scr)**

TOXICITY

[Effect of low concentrations of metals and benzin on serum enzyme activity] Misiewicz A. **Med Pr** 1983;34(4):321–6 (Eng. Abstr.) **(Pol)**

[Effect of oil-base aerosols on the toxicity of mixtures of volatile products of thermo-oxidative decomposition of various mineral lubricants] Kustov VV, et al. **Gig Tr Prof Zabol** 1984 Jun;(6):37–9 **(Rus)**

[Experimental study of the isolated and combined effects of BR-1 benzine at standard exposure levels in different external environments] Maksimov GG, et al. **Gig Tr Prof Zabol** 1984 Mar;(3):34–7 (Eng. Abstr.) **(Rus)**

[A device for the experimental modeling of the isolated and combined effects on the body of industrial toxic chemicals penetrating through the skin and respiratory organs] Maksimov GG. **Gig Tr Prof Zabol** 1984 Apr;(4):54–6 **(Rus)**

ALKAPTONURIA

DIAGNOSIS

Alcaptonuria detected in the sixth decade of life. Milakov J, et al. **Dermatol Monatsschr** 1984;170(7):466–8

[Research on alkaptonuria and the care of the child] Sršeň S, et al. **Cesk Pediatr** 1984 May;39(5):249–52 (Eng. Abstr.) **(Slo)**

ETIOLOGY

[Alkaptonuria. Considerations on 3 clinical cases] Popescu V, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1983 Jul-Sep; 32(3):247–60 **(Rum)**

FAMILIAL & GENETIC

Alkaptonuria in the Trenčín District of Czechoslovakia. Sršeň S, et al. **Am J Med Genet** 1978;2(2):159–66

Alcaptonuria--2 cases. Chaudhary HR, et al. **J Assoc Physicians India** 1983 Oct;31(10):676–8

OCCURRENCE

[Analysis of the causes of the relatively frequent incidence of alkaptonuria in Slovakia] Sršeň S. **Cas Lek Cesk** 1983 Dec 23;122(51):1585–7 (Eng. Abstr.) **(Slo)**

RADIOGRAPHY

Radiologic manifestations in alcaptonuria. Justesen P, et al. **Skeletal Radiol** 1984;11(3):204–8

ALKENES

Epoxidation of olefins by cytochrome P-450 model compounds: mechanism of oxygen atom transfer. Collman JP, et al. **Proc Natl Acad Sci USA** 1984 May;81(10):3245–8

ANALYSIS

[Determination of propylene in the air by a chromatographic method] Zinov'eva NP. **Gig Sanit** 1984 Jun;(6):43–5 **(Rus)**

BLOOD

Trihydroxytetraenes: a novel series of compounds formed from arachidonic acid in human leukocytes. Serhan CN, et al. **Biochem Biophys Res Commun** 1984 Feb 14; 118(3):943–9

ISOLATION & PURIFICATION

[AgNaX zeolites for extracting butylenes from the air and their chromatographic determination] Banakh OS, et al. **Gig Sanit** 1984 Feb;(2):53–5 **(Rus)**

METABOLISM

Oxidation of monosubstituted olefins by cytochromes P-450 and heme models: evidence for the formation of aldehydes in additioa to epoxides and allylic alcohols. Mansuy D, et al. **Biochem Biophys Res Commun** 1984 Feb 29; 119(1):319–25

Identification of dichloromethyl carbene as a metabolite of carbon tetrachloride. Pohl LR, et al. **Biochem Biophys Res Commun** 1983 Dec 16;117(2):367–71

Olefin oxidation by cytochrome P-450: evidence for group migration in catalytic intermediates formed with vinylidene chloride and trans-1-phenyl-1-butene. Liebler DC, et al. **Biochemistry** 1983 Nov 22;22(24):5482–9

Pinene cyclases I and II. Two enzymes from sage (Salvia officinalis) which catalyze stereospecific cyclizations of geranyl pyrophosphate to monoterpene olefins of opposite configuration. Gambliel H, et al. **J Biol Chem** 1984 Jan 25;259(2):740–8

Kinetics of metabolism of propene and covalent binding to macromolecules in the mouse. Svensson K, et al. **Toxicol Appl Pharmacol** 1984 May;73(3):363–72

ALKYL SULFONATES

BIOSYNTHESIS

Biosynthesis of the sulfonolipid 2-amino-3-hydroxy-15-methylhexadecane-1-sulfonic acid in the gliding bacterium Cytophaga johnsonae. White RH. **J Bacteriol** 1984 Jul;159(1):42–6

ISOLATION & PURIFICATION

Sulfonolipids of gliding bacteria. Structure of the N-acylaminosulfonates. Godchaux W 3d, et al. **J Biol Chem** 1984 Mar 10;259(5):2982–90

METABOLISM

[Breakdown of alkyl sulfonate by Pseudomonas rathonis] Stavskaia SS, et al. **Mikrobiologiia** 1984 Mar-Apr; 53(2):218–22 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

The mechanism of action of Na glutamate, lysine HCl, and piperazine-N,N'-bis(2-ethanesulfonic acid) in the stabilization of tubulin and microtubule formation. Arakawa T, et al. **J Biol Chem** 1984 Apr 25;259(8):4979–86

omega-Aminosulfonic acids as depressant or excitant compounds: their effect on the behavior and electroencephalogram of young chickens. Horisaka K. **J Pharmacobiodyn** 1983 Jul;6(7):505–11

TOXICITY

Reversal of 2-bromoethanesulfonate inhibition of methanogenesis in Methanosarcina sp. Smith MR. **J Bacteriol** 1983 Nov;156(2):516–23

Dielectric studies on the reaction of the intracellular matter of fish red blood cells to detergent toxicity. Bielinska I, et al. **Phys Med Biol** 1984 May;29(5):525–34

[Establishment of a hygienic norm for sodium alkylbenzene sulfonate in reservoir water] Kondratiuk VA, et al. **Gig Sanit** 1983 Jun;(6):81–2 **(Rus)**

ALKYLATING AGENTS

see related
ANTINEOPLASTIC AGENTS
CARCINOGENS
NITROGEN MUSTARD COMPOUNDS

Correlations of alkylating activity and mutagenicity in bacteria of cytostatic drugs. Hemminki K, et al. **Acta Pharmacol Toxicol (Copenh)** 1983 Nov;53(5):421–8

Depression of histone acetylation by alkylating antitumor agents in murine cells. Zwierzina H, et al. **Cancer Res** 1984 Aug;44(8):3336–9

Hydroxylation and nitroreduction are required to activate dimethylnitramine into alkylating and mutagenic agents. Malaveille C, et al. **Carcinogenesis** 1983 Nov;4(11):1477–81

Studies on the metabolic activation of beta-keto nitrosamines: mechanisms of DNA methylation by N-(2-oxopropyl)-N-nitrosourea and N-nitroso-N-acetoxymethyl-N-2-oxopropylamine. Leung KH, et al. **Chem Biol Interact** 1984 Feb;48(2):169–79

In vitro alkylation of calf thymus DNA by acrylonitrile. Isolation of cyanoethyl-adducts of guanine and thymine and carboxyethyl-adducts of adenine and cytosine. Solomon JJ, et al. **Chem Biol Interact** 1984 Sep 15; 51(2):167–90

Study of two alkylating derivatives: the p-isothiocyanato- and the p-methylisothiocyanato-clonidine. Decker N, et al. **Eur J Pharmacol** 1983 Sep 30;93(3-4):205–11

A model study of fecapentaenes: mutagens of bacterial origin with alkylating properties. Gupta I, et al. **Science** 1984 Aug 3;225(4661):521–3

[Changes in oxidation-reduction processes in rats with anemia, caused by alkylating preparations, in mountainous climatic conditions] Krasiuk AN. **Fiziol Zh** 1984 Mar-Apr; 30(2):222–6 **(Rus)**

CHEMICAL SYNTHESIS

Steroidal derivatives. Part 4: Synthesis and in vitro anabolic and catabolic properties of a new group of steroidal alkylating agents. Omar AM, et al. **Pharmazie** 1983 Jul; 38(7):445–8

METABOLISM

Alkylating agent interactions with the nuclear matrix. Tew KD, et al. **Biochem Pharmacol** 1983 Dec 1;32(23):3509–16

Alkylation of protein by methyl methanesulfonate and 1-methyl-1-nitrosourea in vitro. Paik WK, et al. **Cancer Lett** 1984 May;23(1):9–17

32P-postlabeling test for covalent DNA binding of chemicals in vivo: application to a variety of aromatic carcinogens and methylating agents. Reddy MV, et al. **Carcinogenesis** 1984 Feb;5(2):231–43

A sensitive assay for the pharmacokinetic investigation of a rapidly hydrolyzing alkylating agent Lycurim (ritrosulfan; R-74; NSC-122 402). Hegedüs L, et al. **Eur J Cancer Clin Oncol** 1984 Jul;20(7):933–8

Urinary excretion of mercapturates as a biological indicator of exposure to electrophilic agents. Maloňová H, et al. **J Hyg Epidemiol Microbiol Immunol** 1983;27(3):319–28

Carbinolamines and related structures--potential alkylating

metabolites of clinically active anticancer drugs. Soloway AH, et al. **J Theor Biol** 1983 Jun 7;102(3):361–73
Cellular pharmacokinetics of the phenylalanine mustards. Vistica DT. **Pharmacol Ther** 1983;22(3):379–406 (108 ref.)

PHARMACODYNAMICS

Differential susceptibility and cytopathic alterations induced by PTT. 119, a new cancericidal compound, p–fluoro–Phe–L–Phe–m–bis–(2–chloroethyl)amino–L–Phe ethoxy HCl. Yagi MJ, et al. **Biomed Pharmacother** 1983; 37(7):329–38
Altered hepatic functions and microsomal activity in perfused rat liver by hyperthermia combined with alkylating agents. Collins FG, et al. **Cancer Biochem Biophys** 1983;6(4):205–11
Increase of nicotinamide methyltransferase and N1–methyl–nicotinamide oxidase activities in the livers of the rats administered alkylating agents. Ohkubo M, et al. **Cancer Lett** 1983 Dec;21(2):175–81
Poly(ADP–ribosylation) reduces the steady–state level of breaks in DNA following treatment of human cells with alkylating agents. Lehmann AR, et al. **Carcinogenesis** 1984 Jan;5(1):117–9
Pretreatment of human colon tumor cells with DNA methylating agents inhibits their ability to repair chloroethyl monoadducts. Zlotogorski C, et al. **Carcinogenesis** 1984 Jan;5(1):83–7
Theophylline does not reverse DNA replicon initiation inhibition in human cells resistant to alkylating agent–theophylline killing synergism. Ducore JM, et al. **Chem Biol Interact** 1984 Sep 15;51(2):191–200
Inactivation of pig muscle 3–phosphoglycerate kinase by thiol modification depends on reagent size. Dékány K, et al. **Eur J Biochem** 1984 Feb 15;139(1):125–30
Unusual response to bifunctional alkylating agents in a case of Fanconi anaemia. Kwee ML, et al. **Hum Genet** 1983; 64(4):384–7
Discriminated induction of SOS functions in Escherichia coli by alkylating agents. Barbe J, et al. **J Gen Microbiol** 1983 Jul;129 (Pt 7):2079–89
Combined cytotoxic effect of isoproterenol with alkylating agents in HeLa cels. Sanae F, et al. **Jpn J Pharmacol** 1984 Mar;34(3):359–62
Molecular cloning of a gene which regulates the adaptive response to alkylating agents in Escherichia coli. Sedgwick B. **MGG** 1983;191(3):466–72
Exposure of E. coli to nitrosocimetidine induces the adaptive response to alkylating agents. Alldrick AJ, et al. **Mutat Res** 1984 Mar;139(3):111–4
A path probability model for sister–chromatid exchanges induced by alkylating agents. Conner MK, et al. **Mutat Res** 1984 Mar;126(1):35–46
Reduction in the frequency of N–methyl–N–nitrosourea–induced somatic mutations in Tradescantia by pretreatment with low doses of alkylating agents. Veleminský J, et al. **Mutat Res** 1983 Nov; 122(2):229–34
Preparation of rat brain membranes greatly enriched with either type–I–delta or type–II–delta opiate binding sites using site directed alkylating agents: evidence for a two–site allosteric model. Rothman RB, et al. **Neuropeptides** 1984 May;4(3):201–15
A theoretical evaluation of the effect of netropsin binding on the reactivity of DNA towards alkylating agents. Zakrzewska K, et al. **Nucleic Acids Res** 1983 Dec 20; 11(24):8841–5
Hyperactivity induced by prenatal administration of methylazoxymethanol: association with altered performance on conditioning tasks in rats. Cannon–Spoor HE, et al. **Pharmacol Biochem Behav** 1984 Feb;20(2):189–93
Cell cycle effects of alkylating agents. Meyn RE, et al. **Pharmacol Ther** 1984;24(2):147–63 (94 ref.)
Alkylating agents, mechanisms of resistance: a review. Fox BW. **Prog Clin Biol Res** 1983;132C:247–55 (19 ref.)
Isolation and characterization of BHK cells sensitive to ionizing radiation and alkylating agents. Evans HH, et al. **Radiat Res** 1984 Jul;99(1):202–10
Disappearance of free SH–groups in hemoglobin of man, rat and rabbit after exposure to alkylating agents in vitro. Neis JM, et al. **Toxicology** 1984 Jun;31(3–4):319–27
[Mutagenic action of alkylating agents on prophage lambda] Bresler SE, et al. **Genetika (Moskva)** 1984 Jun;20(6):933–42 (Eng. Abstr.) **(Rus)**
[Location of RNA–dependent DNA polymerase within the endogenous template complex and discrimination of RNA– and DNA–dependent synthesis of DNA in Escherichia coli cells by alkylating dTTP gamma–amide] Grabkina OA, et al. **Mol Biol (Mosk)** 1983 Sep–Oct;17(5):1019–27 (Eng. Abstr.) **(Rus)**
[Selective modification of polyadenyl fragments of mRNA from Krebs–2 ascites carcinoma cells by an alkylating derivative of nonathymidilyluridine] Ivanova EM, et al. **Mol Biol (Mosk)** 1984 May–Jun;18(3):613–9 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Induced and inherent resistance to alkylating agents in human small–cell bronchial carcinoma xenografts. Berman R, et al. **Br J Cancer** 1984 Apr;49(4):431–6
Conference on a new look at older drugs in cancer treatment: Project to Review Older Drugs (PROD). Sponsored by the Division of Cancer Treatment, National Cancer Institute, June 8–9, 1982, at the National Institutes of Health, Bethesda, Maryland. **Med Pediatr Oncol** 1983; 11(6):383A–528B
[Granulocytic sarcoma in acute non–lymphoblastic leukemia as the terminal phase of multiple myeloma under prolonged treatment with alkylating agents] Bernardeschi P, et al. **Haematologica (Pavia)** 1983 Sep–Oct;68(5):684–8 (Eng. Abstr.) **(Ita)**

TOXICITY

Methylation of the O6 position of guanine in DNA is the most likely initiating event in carcinogenesis by methylating agents. Pegg AE. **Cancer Invest** 1984;2(3):223–31
Alkylation of the O6 of guanine is only one of many chemical events that may initiate carcinogenesis. Singer B. **Cancer Invest** 1984;2(3):233–8
Comparison of virus reactivation, DNA base damage, and cell cycle effects in autologous human melanoma cells resistant to methylating agents. Hayward IP, et al. **Cancer Res** 1984 Jan;44(1):55–8
Sensitivity of human cell strains having different abilities to repair O6–methylguanine in DNA to inactivation by alkylating agents including chloroethylnitrosoureas. Scudiero DA, et al. **Cancer Res** 1984 Jun;44(6):2467–74
A method for measuring the lifetime of chemically and metabolically generated electrophilic species. Weinkam RJ, et al. **Chem Biol Interact** 1983 Sep 1;46(2):255–64
Persistence of alkylated sites in DNA and its biological significance. Kleihues P, et al. **Dev Toxicol Environ Sci** 1983;11:255–64
Significance of electrophilic reactivity and especially DNA alkylation in carcinogenesis and mutagenesis. Swenson DH. **Dev Toxicol Environ Sci** 1983;11:247–54
Enhanced sensitivity of the C3H/10T1/2 cell transformation system to alkylating and chemotherapeutic agents by treatment with 12–O–tetradecanoylphorbol–13–acetate. Frazelle JH, et al. **Environ Mutagen** 1984;6(1):81–9
Utilization of Chinese hamster cells in vitro and in vivo in genetic toxicology: a multiphasic approach. Hsie AW, et al. **Environ Mutagen** 1983;5(5):733–44
DNA repair induced by alkylating carcinogens. Likhachev AJ. **IARC Sci Publ** 1983;51:183–95 (42 ref.)
Measurement of unscheduled DNA synthesis on alkylating carcinogens in rat intestinal mucosal cells from different sites. Mori H, et al. **J Toxicol Sci** 1984 Feb;9(1):23–8
Induction of neoplastic transformation and DNA single–strand breaks in C3H/10T1/2 clone 8 cells by polycyclic hydrocarbons and alkylating agents. Lubet RA, et al. **JNCI** 1983 Nov;71(5):991–7
Relationship between cell killing, chromosomal aberrations, sister–chromatid exchanges and point mutations induced by monofunctional alkylating agents in Chinese hamster cells. A correlation with different ethylation products in DNA. Natarajan AT, et al. **Mutat Res** 1984 Aug; 128(1):31–40
Assay of cytotoxicity and mutagenicity of alkylating agents by using Neurospora spheroplasts. Pope S, et al. **Mutat Res** 1984 Jan;125(1):43–53
A model for the mechanism of alkylation mutagenesis. Schendel PF, et al. **Mutat Res** 1984 Jan;125(1):1–14
Adaptive response of Micrococcus luteus to alkylating chemicals. Ather A, et al. **Nucleic Acids Res** 1984 Feb 24; 12(4):2111–26
Adaptive response in mammalian cells: crossreactivity of different pretreatments on cytotoxicity as contrasted to mutagenicity. Laval F, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(4):1062–6
Induction of specific Escherichia coli genes by sublethal treatments with alkylating agents. Volkert MR, et al. **Proc Natl Acad Sci USA** 1984 Jul;81(13):4110–4
Chromatin and DNA repair after treatment with simple alkylating agents; relation to carcinogenesis. Verly WG. **Prog Clin Biol Res** 1983;132B:261–6
Potentiating effects of caffeine on teratogenicity of alkylating agents in mice. Fujii T, et al. **Teratology** 1983 Aug; 28(1):29–33
Teratological evaluation of trimethyl phosphite in the rat. Mehlman MA, et al. **Toxicol Appl Pharmacol** 1984 Jan; 72(1):119–23
[ESR study of spin–labeled chicken erythrocytes—mechanistic implication of chemical carcinogenesis promotion] Yano K, et al. **Rinsho Byori** 1983 Jul;31(7):692–7 **(Jpn)**

ALKYNES

Spreading and polymerization behavior of diacetylenic phospholipids at the gas–water interface. Hupfer B, et al. **Chem Phys Lipids** 1983 Sep;33(3):263–82
Some chemical transformations of 6–alkynylated purines. Koyama S, et al. **Nucleic Acids Symp Ser** 1983;(12):35–8

CHEMICAL SYNTHESIS

Acetylenic nucleosides. 3. Synthesis and biological activities of some 5–ethynylpyrimidine nucleosides. Sharma RA, et al. **J Med Chem** 1984 Mar;27(3):410–2

METABOLISM

Metabolic activation of acetylenes. Covalent binding of [1,2–14C]octyne to protein, DNA and haem in vitro and the protective effects of certain thiol compounds. White IN, et al. **Biochem J** 1984 May 15;220(1):85–94

PHARMACODYNAMICS

Effect of D,L–propargylglycine on cystathionine metabolism in rats. Awata S, et al. **Biochem Int** 1984 Jan;8(1):171–9
Chloralanyl and propargylglycyl dipeptides. Suicide substrate containing antibacterials. Cheung KS, et al. **J Med Chem** 1983 Dec;26(12):1733–41

TOXICITY

Non–promoting hyperplasiogenic agents do not mimic the effects of phorbol, 12–myristate, 13–acetate on terminal differentiation of normal and transformed human keratinocytes. Parkinson EK, et al. **Carcinogenesis** 1984 May;5(5):687–90
Oxygen requirement for near–UV mediated cytotoxicity of phenylheptatriyne to Escherichia coli. Kagan J, et al. **Photochem Photobiol** 1984 Apr;39(4):465–7

ALLANTOIN

ANALOGS & DERIVATIVES

[Spectrophotometric determination of aldioxa in pharmaceutical preparations] Sato K, et al. **Yakugaku Zasshi** 1983 Oct;103(10):1100–2 (Eng. Abstr.) **(Jpn)**

BIOSYNTHESIS

Influence of ethanol on the production of allantoin by the perfused rat liver. Van den Berghe G, et al. **Adv Exp Med Biol** 1984;165 Pt A:463–8

BLOOD

High–performance liquid chromatographic method for the determination of plasma allantoin. Hirota K, et al. **J Chromatogr** 1983 Oct 14;277:165–72

METABOLISM

Allantoin degradation by Saccharomyces cerevisiae—a model system for gene regulation and metabolic integration. Cooper TG. **Adv Enzymol** 1984;56:91–139 (92 ref.)
Catabolite repression and nitrogen control of allantoin–degrading enzymes in Pseudomonas aeruginosa. Janssen DB, et al. **Antonie Van Leeuwenhoek** 1983 Nov; 49(4–5):501–8

PHARMACODYNAMICS

The effect of an aqueous extract of comfrey on prostaglandin synthesis by rat isolated stomach. Stamford IF, et al. **J Pharm Pharmacol** 1983 Dec;35(12):816–7

URINE

[Factors altering allantoin excretion by sheep and goats] Laurent F, et al. **Arch Tierernahr** 1983 Sep;33(9):671–81 (Eng. Abstr.) **(Ger)**

ALLANTOIS see under **FETAL MEMBRANES**

ALLELES

The occurrence of the alpha G–Philadelphia–globin allele on a double–locus chromosome. Bruzdzinski CJ, et al. **Am J Hum Genet** 1984 Jan;36(1):101–9
Studies on hemophilia A in Sardinia bearing on the problems of multiple allelism, carrier detection, and differential mutation rate in the two sexes. Filippi G, et al. **Am J Hum Genet** 1984 Jan;36(1):44–71
Detection of genetic heterogeneity among pedigrees through complex segregation analysis: an application to hypercholesterolemia. Moll PP, et al. **Am J Hum Genet** 1984 Jan;36(1):197–211
Platelet monoamine oxidase (MAO) activity: evidence for a single major locus. Rice J, et al. **Am J Hum Genet** 1984 Jan;36(1):36–43
The effects of reduced fertility, method of ascertainment, and a second unlinked locus on affected sib–pair marker allele sharing. Risch N. **Am J Med Genet** 1983 Oct; 16(2):243–59
Paradoxical fixation of deleterious alleles in two–locus systems with epistasis. Trojak JE, et al. **Am J Med Genet** 1983 Dec;16(4):493–502
'Viable motheaten,' a new allele at the motheaten locus. I. Pathology. Shultz LD, et al. **Am J Pathol** 1984 Aug; 116(2):179–92
Population distribution in North and Central America of PGM1 and Gc subtypes as determined by isoelectric focusing (IEF). Dykes DD, et al. **Am J Phys Anthropol** 1983 Oct;62(2):137–45
Effects of genic substitution at the brown locus on the differentiation of epidermal melanocytes in newborn mouse skin. Hirobe T. **Anat Rec** 1984 Aug;209(4):425–32
A two–susceptibility–allele model for genetic diseases and associated marker loci: differences and similarities to a one–s–allele model. Falk CT. **Ann Hum Genet** 1984 Jan; 48 (Pt 1):87–95
Idiotypic inheritance: allelic relationships between immunoglobin genes. Bothwell AL. **Ann Immunol (Paris)** 1984 Jan–Feb;135C(1):51–5

Genetic heterogeneity of alpha-1-antitrypsin in the Galician population. Caeiro B. **Anthropol Anz** 1983 Dec;41(4):293-9
Characterization of a rare allele of the phosphoglucomutase locus 1 (PGM81) in an Italian family by isoelectric focusing. Rickards O, et al. **Anthropol Anz** 1983 Sep; 41(3):217-20
The complete amino acid sequence of three alcohol dehydrogenase alleloenzymes (AdhN-11, AdhS and AdhUF) from the fruitfly Drosophila melanogaster. Thatcher DR. **Biochem J** 1980 Jun 1;187(3):875-83
Partial deletion of the beta-globin gene: a common beta-thalassaemia allele in Asian Indians. Wood S, et al. **Can J Genet Cytol** 1984 Jun;26(3):296-301
H-2 gene control of resistance to P815-X2 mastocytoma. Kwak LW, et al. **Cancer Res** 1983 Dec;43(12 Pt 1):5754-7
The controlling element Ds at the Shrunken locus in Zea mays: structure of the unstable sh-m5933 allele and several revertants. Courage-Tebbe U, et al. **Cell** 1983 Sep; 34(2):383-93
Isolation of the transposable maize controlling elements Ac and Ds. Fedoroff N, et al. **Cell** 1983 Nov;35(1):235-42
Transmission ratio distortion in mouse t-haplotypes is due to multiple distorter genes acting on a responder locus. Lyon MF. **Cell** 1984 Jun;37(2):621-8
Characteristics of the CFU-s population in mice carrying the Slj allele. Ploemacher RE, et al. **Cell Tissue Kinet** 1984 Jan;17(1):1-12
Transmission ratio distortion of mouse t haplotypes is not a consequence of wild-type sperm degeneration. Silver LM, et al. **Dev Biol** 1984 Sep;105(1):250-2
Ordered rearrangement of immunoglobulin heavy chain variable region segments. Alt FW, et al. **EMBO J** 1984 Jun;3(6):1209-19
Retention and loss of immunoglobulin heavy chain alleles in helper T cell hybridoma clones. Lonai P, et al. **EMBO J** 1983;2(5):781-6
The mouse Rn locus: S allele of the renin regulator gene results from a single structural gene duplication. Panthier JJ, et al. **EMBO J** 1982;1(11):1417-21
Allelic exclusion in rat kappa immunoglobulin chains: extent of Jk rearrangement in normal B lymphocytes. Tsukamoto A, et al. **EMBO J** 1984 May;3(5):975-81
Atypical human liver alcohol dehydrogenase: the beta 2-Bern subunit has an amino acid exchange that is identical to the one in the beta 2-Oriental chain. Bühler R, et al. **FEBS Lett** 1984 Aug 6;173(2):360-6
Note on genetic drift and estimation of effective population size. Tajima F, et al. **Genetics** 1984 Mar;106(3):569-74
Genetic differentiation in four European subspecies of red deer (Cervus elaphus L.). Gyllenstein U, et al. **Heredity (Edinburgh)** 1983 Dec;51 (Pt 3):561-80
Population genetics of the tree hole mosquito Aedes triseriatus: no correlation between Est-6 and larval habitat. Matthews TC. **Heredity (Edinburgh)** 1984 Feb;52 (Pt 1):133-9
Genetics of urinary pepsinogen: a new hypothesis. Frants RR, et al. **Hum Genet** 1984;65(4):385-90
Isoelectric focusing studies of human red cell esterase D: evidence for polymorphic occurrence of a new allele EsD7 in Japanese. Nishigaki I, et al. **Hum Genet** 1984;66(1):92-5
Glutamate pyruvate transaminase null allele in seven new families. Sparkes MC, et al. **Hum Genet** 1983;65(2):147-8
Transferrin subtypes and variants in Germany; further evidence for a Tf null allele. Weidinger S, et al. **Hum Genet** 1984;66(4):356-60
Multiple Ia-like molecules characterize HLA-DR2-associated haplotypes which differ in HLA-D. Nepom GT, et al. **Hum Immunol** 1984 Jul;10(3):143-51
Lym 7.3: new murine specificity defining third allele of the Ly 7 locus. Lanier LL, et al. **Hybridoma** 1983;2(2):177-85
Inter-locus and intra-allelic polymorphisms of HLA class I antigen gene mRNA. Arnot D, et al. **Immunogenetics** 1984;20(3):237-52
Nucleotide sequence of a rabbit IgG heavy chain from the recombinant F-I haplotype. Bernstein KE, et al. **Immunogenetics** 1983;18(4):387-97
A matrix approach to human class II histocompatibility antigens: reactions of four monoclonal antibodies with the products of nine haplotypes. Brodsky FM. **Immunogenetics** 1984;19(3):179-94
Immune responses in vitro, XIV. Undetectability of Mlsb- and Mlsc-encoded products on F1 cells possessing Mlsa or Mlsd. Click RE, et al. **Immunogenetics** 1984;20(3):301-10
The expression of I-Ed molecules in F1 hybrid mice detected with antigen-specific, I-Ed-restricted cloned T-cell lines. Conrad PJ, et al. **Immunogenetics** 1984;20(3):311-9
Genetic characterization of mouse immunoglobulin allotypic determinants (allotopes) defined by monoclonal antibodies. Huang CM, et al. **Immunogenetics** 1983;18(4):311-21
Serological and immunochemical analysis of H-2 class I molecules encoded by the Db region. Mierau R, et al. **Immunogenetics** 1984;20(3):341-5
Recombination between two mouse t haplotypes (tw12tf and tLub-1): mapping of the H-2 complex relative to centromere and tufted (tf) locus. Pla M, et al. **Immunogenetics** 1984;20(3):277-85
Comparison of one-dimensional IEF patterns for serologically detectable HLA-A and B allotypes. Yang SY, et al. **Immunogenetics** 1984;19(3):217-31
I-E/I-C region-associated induction of murine gamma interferon by a haplotype-restricted polyclonal T-cell mitogen derived from Mycoplasma arthritidis. Cole BC, et al. **Infect Immun** 1984 Jan;43(1):302-7
Tissue-specific allelic isozyme patterns and cis-acting developmental regulators. Dickinson WJ. **Isozymes Curr Top Biol Med Res** 1983;9:107-22
Identification of the structural gene and nonsense alleles for adenylate cyclase in Saccharomyces cerevisiae. Matsumoto K, et al. **J Bacteriol** 1984 Jan;157(1):277-82
Replacement of serine 373 by phenylalanine in the alpha subunit of Escherichia coli F1-ATPase results in loss of steady-state catalysis by the enzyme. Noumi T, et al. **J Biol Chem** 1984 Aug 25;259(16):10076-9
Cysteine in the triple-helical domain of one allelic product of the alpha 1(I) gene of type I collagen produces a lethal form of osteogenesis imperfecta. Steinmann B, et al. **J Biol Chem** 1984 Sep 10;259(17):11129-38
Extended major histocompatibility complex haplotypes in type I diabetes mellitus. Raum D, et al. **J Clin Invest** 1984 Aug;74(2):449-54
Genetic heterogeneity in inherited disease. Harris H. **J Clin Pathol [Suppl] (R Coll Pathol)** 1974;(8):32-7
Isozymes. Hopkinson DA. **J Clin Pathol [Suppl] (R Coll Pathol)** 1974;(8):122-7
Polymorphism of the human C3b/C4b receptor. Identification of a third allele and analysis of receptor phenotypes in families and patients with systemic lupus erythematosus. Dykman TR, et al. **J Exp Med** 1984 Mar 1;159(3):691-703
A new allele at the Mup-1 locus controlling an electrophoretic variant of major urinary proteins in mice. Nikaido H, et al. **J Hered** 1984 Jan-Feb;75(1):59-61
Germinal reversion of the merle allele in Australian shepherd dogs. Sponenberg DP. **J Hered** 1984 Jan-Feb;75(1):78
Changes in the Ir gene controlled response phenotypes in mice of the Ap and Ak family of alleles expressing naturally occurring variant molecules. Shaut DM, et al. **J Immunol** 1984 Sep;133(3):1410-6
Effects of the mutant sigma allele rpoD800 on the synthesis of specific macromolecular components of the Escherichia coli K12 cell. Gross CA, et al. **J Mol Biol** 1984 Jan 25; 172(3):283-300
A survey of susceptibility to infection with Trichinella spiralis of inbred mouse strains sharing common H-2 alleles but different genetic backgrounds. Wassom DL, et al. **J Parasitol** 1983 Dec;69(6):1033-7
Murine resistance to street rabies virus: genetic analysis by testing second-backcross progeny and verification of allelic resistance genes in SJL/J and CBA/J mice. Lodmell DL, et al. **J Virol** 1984 May;50(2):359-62
Murine retroviral restriction genes Fv-4 and Akvr-1 are alleles of a single locus. O'Brien SJ, et al. **J Virol** 1983 Sep;47(3):649-51
Geographical cline of allele frequency of group-specific component (GC) in the Japanese populations: an analysis of data obtained by immunoelectrophoresis. Yuasa I, et al. **Jinrui Idengaku Zasshi** 1983 Dec;28(4):255-61
Chromosomal mapping of murine c-fes and c-src genes. Blatt C, et al. **Mol Cell Biol** 1984 May;4(5):978-81
Expression of recessive alleles by chromosomal mechanisms in retinoblastoma. Cavenee WK, et al. **Nature** 1983 Oct 27-Nov 2;305(5937):779-84
Somatic deletion and duplication of genes on chromosome 11 in Wilms' tumours. Fearon ER, et al. **Nature** 1984 May 10-16;309(5964):176-8
Medical genetics. Retinoblastoma and recessive alleles in tumorigenesis [news] Gilbert F. **Nature** 1983 Oct 27-Nov 2;305(5937):761-2
Quantification of the close association between DNA haplotypes and specific beta-thalassaemia mutations in Mediterraneans. Kazazian HH Jr, et al. **Nature** 1984 Jul 12-18;310(5973):152-4
Resolution of recombination intermediates generated during yeast mating type switching. Klar AJ, et al. **Nature** 1984 Aug 30-Sep 5;310(5980):744-8
Loss of alleles at loci on human chromosome 11 during genesis of Wilms' tumour. Koufos A, et al. **Nature** 1984 May 10-16;309(5964):170-2
Sexual preference of apparent gene conversion events in MHC genes of mice. Loh DY, et al. **Nature** 1984 Jun 14-20; 309(5969):639-40
Maternal Thp lethality in the mouse is a nuclear, not cytoplasmic, defect. McGrath J, et al. **Nature** 1984 Apr 5-11;308(5959):550-1
Duplication within the haptoglobin Hp2 gene. Maeda N, et al. **Nature** 1984 May 10-16;309(5964):131-5
Loss of a Harvey ras allele in sporadic Wilms' tumour. Reeve AE, et al. **Nature** 1984 May 10-16;309(5964):174-6
Complex allotypes of the rabbit immunoglobulin kappa light chains are encoded by structural alleles. Akimenko MA, et al. **Nucleic Acids Res** 1984 Jun 11;12(11):4691-701
Evolution of haptoglobin: comparison of complementary DNA encoding Hp alpha 1S and Hp alpha 2FS. Brune JL, et al. **Nucleic Acids Res** 1984 Jun 11;12(11):4531-8
Isolation and characterization of two alleles of the chicken cytochrome c gene. Limbach KJ, et al. **Nucleic Acids Res** 1983 Dec 20;11(24):8931-50
Lipopolysaccharide-induced transcription of the kappa immunoglobulin locus occurs on both alleles and is independent of methylation status. Nelson KJ, et al. **Nucleic Acids Res** 1984 Feb 24;12(4):1911-23
Allelic frequencies in eight alloantigen systems of chickens selected for high and low antibody response to sheep red blood cells. Dunnington EA, et al. **Poult Sci** 1984 Jul; 63(7):1470-2
Origin of the beta S-globin gene in blacks: the contribution of recurrent mutation or gene conversion or both. Antonarakis SE, et al. **Proc Natl Acad Sci USA** 1984 Feb; 81(3):853-6
DNA insertion in the first intron of maize Adh1 affects message levels: cloning of progenitor and mutant Adh1 alleles. Bennetzen JL, et al. **Proc Natl Acad Sci USA** 1984 Jul;81(13):4125-8
Unusual alleles of recB and recC stimulate excision of inverted repeat transposons Tn10 and Tn5. Lundblad V, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(3):824-8
Location of amino acid alterations in mutants of aspartate transcarbamoylase: Structural aspects of interallelic complementation. Schachman HK, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(1):115-9
Allelic inclusion in the pre-B-cell line 18-81. Wabl MR, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(3):867-70
Proviral deletions and oncogene base-substitutions in insertionally mutagenized c-myc alleles may contribute to the progression of avian bursal tumors. Westaway D, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(3):843-7
Gene extinction and allelic origins in complex genealogies. Thompson EA. **Proc R Soc Lond [Biol]** 1983 Oct 22; 219(1216):241-51
Chromosomal rearrangements and gene expression in CHO cells: mapping of alleles for eight enzyme loci on CHO chromosomes Z3, Z4, Z5, and Z7. Adair GM, et al. **Somatic Cell Mol Genet** 1984 May;10(3):283-95
Heritable genetic variation via mutation-selection balance: Lerch's zeta meets the abdominal bristle. Turelli M. **Theor Popul Biol** 1984 Apr;25(2):138-93
Linkage disequilibrium between the HLA-B14 subdivisions and HLA-A, DR and properdin factor B alleles. Darke C. **Tissue Antigens** 1984 Jan;23(1):68-71
Study of alleles of the second complement component (C2) on Canadian HLA haplotypes. Marshall WH, et al. **Tissue Antigens** 1984 Apr;23(4):229-39
Estimation of haplotype frequencies. Morton NE, et al. **Tissue Antigens** 1983 Oct;22(4):257-62
The gene frequency of SB alleles in the Japanese population. Nishimura Y, et al. **Tissue Antigens** 1984 May;23(5):314-5
Distribution of HLA-A,B alleles in 13 panels of blood donors in France. Prevost P, et al. **Tissue Antigens** 1984 May; 23(5):301-7
HLA haplotype segregation study in multiple case families of pulmonary tuberculosis. Singh SP, et al. **Tissue Antigens** 1984 Jan;23(1):84-6
An international reference typing for Ch and Rg determinants on rare human C4 allotypes. Rittner C, et al. **Vox Sang** 1984;46(4):224-34
Evidence for a 'new' allele at the esterase D (E.C. 3.1.1.1.) locus. Henke J, et al. **Z Rechtsmed** 1984;92(1):35-7
[A Duffy 'mute' allele in a woman of non-gypsy origin] Májský A. **Cas Lek Cesk** 1983 Dec 16;122(50):1547 (Eng. Abstr.) **(Cze)**
[Taxonomic and medical status of isoenzyme strains of Trypanosoma cruzi. Considerations of the systematic and immunologic values of various isoenzymes] Tibayrenc M, et al. **C R Seances Acad Sci [III]** 1983;296(15):721-6 (Eng. Abstr.) **(Fre)**
[Frequency of HLA alleles in a sample population from Campania] Marras S, et al. **Boll Soc Ital Biol Sper** 1984 Feb 28;60(2):325-9 (Eng. Abstr.) **(Ita)**
[Concepts of heredity in simple psoriasis based on personal studies. II. Complex multiallele model] Turowski G, et al. **Przegl Dermatol** 1983 Jul-Aug;70(4):349-53 (Eng. Abstr.) **(Pol)**
[Conjugate allelic drift] Dubinin NP, et al. **Dokl Akad Nauk SSSR** 1983;273(6):1487-90 **(Rus)**
[Determination of the parameters of the single 2-allele autosomal locus model with incomplete penetrance] Finogenova SA. **Genetika (Moskva)** 1984 May;20(5):841-8 (Eng. Abstr.) **(Rus)**
[Equations for segregation frequencies determined by Weinberg's generalized method in a model of a single autosomal 2-allelic locus with incomplete penetrance] Finogenova SA. **Genetika (Moskva)** 1983 Nov; 19(11):1800-5 (Eng. Abstr.) **(Rus)**
[Characteristics of the Gd- alleles discovered in a population check of pupils in the city of Kostroma] Krasnopol'skaia KD, et al. **Genetika (Moskva)** 1984 Jul;20(7):1219-23 (Eng. Abstr.) **(Rus)**
[Allelic exclusion in hybridomas. I. Isolation and properties of a hybrid clone producing two allelic variants of light chain immunoglobulins in the rat] Cherepakhin VV, et al. **Mol Biol (Mosk)** 1984 Mar-Apr;18(2):474-80 (Eng. Abstr.) **(Rus)**

ALLELISM TEST

Apparent allelism of the Hurler, Scheie, and Hurler/Scheie syndromes. Mueller OT, et al. **Am J Med Genet** 1984 Jul; 18(3):547-56

ALLERGEN BRONCHIAL PROVOCATION TESTS see **BRONCHIAL PROVOCATION TESTS**

ALLERGENS

see related
BITES AND STINGS

DUST
FEATHERS
FUNGI

Environmental allergens and morbidity in atopic and non-atopic families. Luoma R. **Acta Paediatr Scand** 1984 Jul;73(4):448–53

The dose of house dust mite antigen (P1) inhaled by infants aged one month. Carswell F, et al. **Ann Allergy** 1983 Nov; 51(5):539–42

Allergic and toxic reactions to non-stinging arthropods. Wirtz RA. **Annu Rev Entomol** 1984;29:47–69 (142 ref.)

Regulatory control and standardization of allergenic extracts. The clinical trial protocol. Aas K.
Arb Paul Ehrlich Inst Georg Speyer Haus Ferdinand Blum Inst 1983;(78):55–63

Stability of allergenic extracts. Baer H.
Arb Paul Ehrlich Inst Georg Speyer Haus Ferdinand Blum Inst 1983;(78):159–61

Regulatory control and standardization of allergenic extracts. Clinical methods of evaluation of extracts. Norman PS.
Arb Paul Ehrlich Inst Georg Speyer Haus Ferdinand Blum Inst 1983;(78):65–9

Respiratory virus infections and aeroallergens in acute bronchial asthma. Carlsen KH, et al. **Arch Dis Child** 1984 Apr;59(4):310–15

Turpentine: an attempt to explain sensitization to this allergen in Spain. Romaguera C, et al. **Contact Dermatitis** 1983 Sep; 9(5):384–6

The problem of sensitizing capacity of some Grotans used as bacteriocides in cooling oils. van Ketel WG, et al.
Derm Beruf Umwelt 1983;31(4):118–21

Nasal reactivity in rhinitis. Borum P, et al.
Eur J Respir Dis [Suppl] 1983;128 (Pt 1):65–71

Preventive effect of fenoterol on allergen-induced bronchospasm. D'Amato G, et al.
Eur J Respir Dis [Suppl] 1983;128 (Pt 2):509–12

Intrinsic asthma and bacterial histamine release. Possible role of bacterial surface lectins. Jensen C, et al.
Eur J Respir Dis [Suppl] 1983;128 (Pt 2):391–3

Permanent wave contact dermatitis: contact allergy to glyceryl monothioglycolate. Storrs FJ.
J Am Acad Dermatol 1984 Jul;11(1):74–85

Tissue response to allergenic leachables from dental materials. Kallus T, et al. **J Biomed Mater Res** 1983 Sep;17(5):741–55

Chromatographic separation and chemical analysis of polymers formed by penicillin G. Ueno H, et al.
J Chromatogr 1984 Apr 20;288(1):117–26

Allergenic properties of naturally occurring cannabinoids. Watson ES, et al. **J Pharm Sci** 1983 Aug;72(8):954–5

The frequency of allergens implicated in bronchial asthma in different areas of Romania. Chirilă M, et al.
Med Interne 1984 Apr–Jun;22(2):141–5

Lung pathogenesis. IV. Persisting pathogens and accumulative-proliferative cellular reactions in chronic lung processes (a systemic approach). Eskenasy A.
Morphol Embryol (Bucur) 1983 Oct–Dec;29(4):247–57

Headaches from airborne allergens. Tuft L. **Penn Med** 1983 May;86(5):36, 38

Detection of leukotriene C4-liked immunoreactivity in tear fluid from subjects challenged with specific allergen. Biagaard H, et al. **Prostaglandins** 1984 Mar;27(3):369–74

Experimental delayed hypersensitivity following inhalation of dicyclohexylmethane-4,4'-diisocyanate: a concentration–response relationship. Stadler J, et al.
Toxicol Appl Pharmacol 1984 Jun 30;74(2):244–9

[Cocobolo wood, a forgotten eczematogen? Recent findings on the skin allergen of cocobolo wood (Dalbergia sp.)] Hausen BM, et al. **Derm Beruf Umwelt** 1983;31(4):110–7 (Eng. Abstr.) **(Ger)**

[What is certain in the prophylaxis of bronchial asthma] Wettengel R. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:887–90 (Eng. Abstr.) **(Ger)**

[Professional and environmental factors conditioning allergic manifestations] D'Antuono G, et al. **G Clin Med** 1983 Sep–Oct;64(9–10):349–61 (Eng. Abstr.) **(Ita)**

[Normalization of the 'occupational' specific bronchoreactive tests in occupational medicine, Study group of the Italian Society of Occupational Medicine and Industrial Hygiene] **G Ital Med Lav** 1983 May;5(3):117–21 **(Ita)**

[Algae as allergens] Bergman B, et al. **Lakartidningen** 1983 Dec 7;80(49):4792–5 (Eng. Abstr.) **(Swe)**

ADMINISTRATION & DOSAGE

Intranasal verapamil in allergen-induced rhinitis. Secher C, et al. **Allergy** 1983 Nov;38(8):565–70

Orally administered grass pollen. Taudorf E, et al.
Allergy 1983 Nov;38(8):561–4

Mediator release after nasal airway challenge with allergen. Naclerio RM, et al. **Am Rev Respir Dis** 1983 Oct; 128(4):597–602

Aeroallergens of the southeast Missouri area: a report of skin test frequencies and air sampling data. Chapman JA, et al. **Ann Allergy** 1984 Jun;52(6):411–8

Calcium-phosphate-adjuvanted allergens: total and specific IgE levels before and after immunotherapy with house dust and Dermatophagoides pteronyssinus extracts. Ickovic MR, et al. **Ann Immunol (Paris)** 1983 Nov–Dec; 134D(3):385–98

5,8-dihydroxyflavone (primetin) the contact sensitizer of Primula mistassinica Michaux. Hausen BM, et al.
Arch Dermatol Res 1983;275(6):365–70

Prediction of late asthmatic responses to inhaled allergen. Boulet LP, et al. **Clin Allergy** 1984 Jul;14(4):379–85

Factors influencing the occurrence of a late reaction to allergen challenge in atopic asthmatics. MacIntyre D, et al. **Clin Allergy** 1984 Jul;14(4):311–7

Clinical and immunologic aspects of allergen-specific immunotherapy in patients with seasonal allergic rhinitis and/or allergic asthma. Rocklin RE.
J Allergy Clin Immunol 1983 Oct;72(4):323–38 (70 ref.)

Skin test reactivity and clinical allergen sensitivity in infancy. Van Asperen PP, et al. **J Allergy Clin Immunol** 1984 Mar; 73(3):381–6

Immunologic approach to the management of asthma. Zeiger RS, et al. **J Asthma** 1983;20(5):391–409 (55 ref.)

The protective effect of auto-immune buccal urine therapy (AIBUT) against the Raynaud phenomenon. Wilson CW.
Med Hypotheses 1984 Jan;13(1):99–107

Effects of anti-epsilon treatment on serum IgE in immunized and Nippostrongylus brasiliensis-infected mice. Lehrer SB, et al. **Monogr Allergy** 1983;18:246–8

Applicability of a simple nasal provocation test in etiologic diagnosis of bronchial asthma. Bellia V, et al.
Respiration 1984;45(1):81–7

Partial sensory denervation of the upper respiratory tract on allergen- and histamine-induced bronchoconstriction. Zimmermann I, et al. **Respiration** 1984;45(4):394–405

RAST-based immunotherapy. Nalebuff DJ, et al.
Rhinology 1984 Mar;22(1):11–9

[Recommendations for the use of dimethyl sulfoxide in place of sodium lauryl sulfate in animal experiments testing new allergens using the TGL 32591 method] Ziegler V, et al. **Dermatol Monatsschr** 1984;170(3):186–7 **(Ger)**

[Controlled immunotherapy of bronchial asthma] Droszcz W, et al. **Pol Tyg Lek** 1983 Jul 4;38(27):829–30 **(Pol)**

[Allergenic action of different classes of chemical substances in an experiment on peroral uptake into the body] Rusakov NV. **Gig Sanit** 1984 Feb;(2):13–6 (Eng. Abstr.) **(Rus)**

[Treatment of chronic non-ulcerative colitis with purified Escherichia coli allergen] Averina TK, et al. **Sov Med** 1984; (5):21–6 (Eng. Abstr.) **(Rus)**

[Extracorporeal specific immunosorption in the complex treatment of patients with bronchial asthma and hypersensitivity to house dust allergen] Chuchalin AG, et al. **Ter Arkh** 1984;56(6):24–8 **(Rus)**

ANALYSIS

Non-allergenic haemolysins in grass pollens and housedust mites. Freed DL, et al. **Allergy** 1983 Oct;38(7):477–86

A reference allergen preparation of the house dust mite D. pteronyssinus, produced from whole mite culture—a part of the DAS 76 study. Comparison with allergen preparations from other raw materials. Lind P, et al.
Allergy 1984 May;39(4):259–74

Antigenic/allergenic composition of Poodle/Alsatian dandruff extract. Uhlin T, et al. **Allergy** 1984 Feb; 39(2):125–33

Quantitative immunoelectrophoretic analysis of rat allergen extracts. I. Antigenic characterisation of fur, urine, saliva and other rat-derived materials. Walls AF, et al.
Allergy 1983 Aug;38(6):419–31

Allergens detected in association with airborne particles capable of penetrating into the peripheral lung. Findlay SR, et al. **Am Rev Respir Dis** 1983 Dec;128(6):1008–12

Allergens in hymenoptera venom XII: how much protein is in a sting? Hoffman DR, et al. **Ann Allergy** 1984 Apr; 52(4):276–8

Sampling airborne allergens. Solomon WR. **Ann Allergy** 1984 Mar;52(3 Pt 1):140–9 (24 ref.)

Allergens in hymenoptera venoms. X. Vespid venoms versus venom sac extracts: comparison by two-dimensional polyacrylamide gel electrophoresis. Wood CL, et al.
Ann Allergy 1983 Oct;51(4):441–5

Evaluation of endotoxin in allergenic extracts. Brede S.
Arb Paul Ehrlich Inst Georg Speyer Haus Ferdinand Blum Inst 1983;(78):195–8

Regulatory control and standardization of allergenic extracts. Immunochemical methods for source materials. Løwenstein H, et al.
Arb Paul Ehrlich Inst Georg Speyer Haus Ferdinand Blum Inst 1983;(78):141–7

Allergic contact dermatitis to garlic (Allium sativum L.). Identification of the allergens: the role of mono-, di-, and trisulfides present in garlic. A comparative study in man and animal (guinea-pig). Papageorgiou C, et al.
Arch Dermatol Res 1983;275(4):229–34

Studies of the allergens of Olea europea pollen. Blanca M, et al. **Clin Allergy** 1983 Sep;13(5):473–8

Thin-layer chromatography study of organic dye allergens. Brandle I, et al. **Contact Dermatitis** 1984 Apr;10(4):254–5

Contact allergy to petrolatums. (II). Attempts to identify the nature of the allergens. Dooms-Goossens A, et al.
Contact Dermatitis 1983 Jul;9(4):247–56

Distribution of cat allergen 1 in cat tissues and fluids. Brown PR, et al. **Int Arch Allergy Appl Immunol** 1984;74(1):67–70

Amino acid composition of the highly purified allergen from Dirofilaria immitis. Fujita K, et al.
Int Arch Allergy Appl Immunol 1984;73(2):184–5

Antigens and allergens from the common house dust mite Dermatophagoides pteronyssinus. Part I. Demonstration of multiple allergens by immunochemical and biologic analyses. Krilis S, et al. **J Allergy Clin Immunol** 1984 Aug; 74(2):132–41

The important sources of German cockroach allergens as determined by RAST analyses. Richman PG, et al.
J Allergy Clin Immunol 1984 May;73(5 Pt 1):590–5

Determination of nicotine in allergenic extracts of tobacco leaf by high-performance liquid chromatography. Sudan BJ, et al. **J Chromatogr** 1984 Apr 24;288(2):415–22

Crossed radio-immunoisoelectric focusing as a method of identifying isoallergens: identification of isoallergens in rat urine extracts. Longbottom JL. **J Immunol Methods** 1984 Mar 30;68(1–2):297–304

Enzyme-linked crossed immunoelectrophoresis: a technique for detection of allergens and their respective antibodies in human schistosomiasis. Reiner G, et al.
J Immunol Methods 1984 Aug 3;72(1):289–95

Allergen concentration in Dirofilaria immitis (Nematoda). Fujita K, et al. **J Parasitol** 1984 Apr;70(2):313–4

Laboratory animal allergy: the measurement of airborne urinary allergens and the effects of different environmental conditions. Edwards RG, et al. **Lab Anim** 1983 Jul; 17(3):235–9

Aflatoxins not in allergenic mould extracts [letter] Petricciani JC. **Lancet** 1984 Jan 21;1(8369):171

Allergenic activity of rat saliva. Levy DA, et al.
Monogr Allergy 1983;18:144–6

[New methods of recognizing respiratory allergens] Pécoud A. **Rev Med Suisse Romande** 1983 Nov;103(11):993–5 **(Fre)**

[Identification of allergens in 5 grasses using crossed radioimmunoelectrophoresis (CRIE)] Diener C, et al.
Allerg Immunol (Leipz) 1984;30(1):14–22 (Eng. Abstr.) **(Ger)**

[Enzymes are the allergenic components of inhaled pancreatin] Baur X, et al. **Dtsch Med Wochenschr** 1984 Feb 17;109(7):257–60 (Eng. Abstr.) **(Ger)**

[Immunochemical and acarological study of mites] Kanchurin AKh, et al. **Biull Eksp Biol Med** 1984 Mar; 97(3):329–30 (Eng. Abstr.) **(Rus)**

[Fractional composition of the allergens from cereals] Kanchurin AKh, et al.
Zh Mikrobiol Epidemiol Immunobiol 1984 May;(5):108–10 (Eng. Abstr.) **(Rus)**

[Comparative iodination of a series of allergens] Sokolov IaA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Jun;(6):96–8 (Eng. Abstr.) **(Rus)**

BLOOD

Binding of a spin-labelled photoallergen to human serum albumin. Barratt MD, et al. **Biophys Chem** 1984 Jan; 19(1):69–73

CLASSIFICATION

Causative allergens and the results of specific hyposensitisation in nasobronchial allergies. Shah AC, et al. **J Indian Med Assoc** 1983 Sep;81(5–6):77–9

DIAGNOSTIC USE

Controversial techniques in allergy treatment. Barton M, et al. **J Natl Med Assoc** 1983 Aug;75(8):831–4

Food extract injection for food sensitivity. Valid technique or 'black magic'? Podell RN. **Postgrad Med** 1984 Aug; 76(2):59–62

[Bronchial response to acetylcholine and Dermatophagoides pteronissimus in asymptomatic asthmatics] Machiels J, et al. **Bull Eur Physiopathol Respir** 1983 Sep–Oct;19(5):483–8 (Eng. Abstr.) **(Fre)**

[Modified evaluation of allergic skin reactions] Krysiak B, et al. **Med Pr** 1984;35(2):127–31 (Eng. Abstr.) **(Pol)**

[Study of the role of inhalation allergens in triggering the attacks of bronchial asthma based on allergologic diagnostic skin-prick tests] Martynowski A. **Pediatr Pol** 1983 Feb;58(2):143–8 (Eng. Abstr.) **(Pol)**

[Skin sensitivity to Battey and Kansasii sensitins in selected rural and student populations. III. Summary of the results of studies on skin reactivity to Battey and Kansasii sensitins and tuberculin RT23 in the rural population and in students] Krzyszkowska A, et al. **Pneumonol Pol** 1983 Apr; 51(4):239–45 (Eng. Abstr.) **(Pol)**

[Principle of conducting skin tests (who should be testing whom, and with what)] Rudzki E. **Przegl Dermatol** 1983 Jan–Feb;70(1):13–8 **(Pol)**

[Lysosomal enzyme activity as an indicator in the toxicological evaluation of contact allergens. II. Sensitization of experimental animals] Kiss E.
Rocz Panstw Zakl Hig 1983;34(2):115–20 (Eng. Abstr.) **(Pol)**

[Catamnestic study of the reactivity of allergic patients to the most common contact allergens] Sinka L, et al.
Bratisl Lek Listy 1983 Oct;80(4):423–31 (Eng. Abstr.) **(Slo)**

IMMUNOLOGY

The mechanisms of bronchospasm in experimental microbial sensitization. I. Immunological stage. Beklemishev ND, et al. **Allergol Immunopathol (Madr)** 1984 Mar–Apr; 12(2):129–34

Bronchospasm mechanisms in experimental microbial sensitization. II. Pathochemical stage. Belyaev NN, et al.
Allergol Immunopathol (Madr) 1984 May–Jun;12(3):173–7

Relationship between skin tests and bronchial provocation tests with allergens found in organic dusts in patients with

bronchial asthma. Durda M, et al.
Allergol Immunopathol (Madr) 1984 May-Jun;12(3):207-11

Lymphocyte proliferative response to allergen in timothy sensitive patients and healthy persons. Serov AA, et al.
Allergol Immunopathol (Madr) 1984 Mar-Apr;12(2):135-41

Do infections in infancy affect sensitization to airborne allergens and development of atopic disease? A retrospective study of seven-year-old children. Backman A, et al. **Allergy** 1984 May;39(4):309-15

A clinical and immunological study of allergy to hen's egg white. IV. Specific IGE-antibodies to individual allergens in hen's egg white related to clinical and immunological parameters in egg-allergic patients. Langeland T.
Allergy 1983 Oct;38(7):493-500

Is house dust allergen a possible causal factor for relapses in lipoid nephrosis? Laurent J, et al. **Allergy** 1984 Apr; 39(3):231-6

Environmental and social influences on skin test results in children. Linna O. **Allergy** 1983 Oct;38(7):513-6

Quantitative immunoelectrophoretic analysis of rat allergen extracts. II. Fur, urine and saliva studied by crossed radio-immunoelectrophoresis. Walls AF, et al. **Allergy** 1983 Oct;38(7):501-12

A computerized micro-ELISA assay for allergen-specific IgE antibodies. Ali M, et al. **Am J Clin Pathol** 1984 May; 81(5):591-601

Guinea-pig-derived allergens. Clinicoimmunologic studies, characterization, airborne quantitation, and size distribution. Swanson MC, et al. **Am Rev Respir Dis** 1984 May;129(5):844-9

Importance of determining IgG-allergen specific subclass during immunotherapy [letter] Halpern GM.
Ann Allergy 1984 Jun;52(6):445

Monomethoxypolyethylene glycol modified allergens. Akerblom E.
Arb Paul Ehrlich Inst Georg Speyer Haus Ferdinand Blum Inst 1983;(78):231-9

Polymerized allergens. Patterson R, et al.
Arb Paul Ehrlich Inst Georg Speyer Haus Ferdinand Blum Inst 1983;(78):241-6 (16 ref.)

A community survey of IgG4 antibody levels. Merrett J, et al. **Clin Allergy** 1983 Sep;13(5):397-407

Immunological studies in asthmatic children undergoing antigen provocation in the skin, lung and nose. Price JF, et al. **Clin Allergy** 1983 Sep;13(5):419-26

Long-term falls in antibodies to dust mite and pollen allergens in patients with asthma or hay fever. Rawle FC, et al. **Clin Allergy** 1983 Sep;13(5):409-17

The diversity of allergens involved in bakers' asthma. Sutton R, et al. **Clin Allergy** 1984 Jan;14(1):93-107

Partial characterization of allergens associated with hypersensitivity to the 'green nimitti' midge (Cladotanytarsus lewisi, Diptera: Chironomidae). Tee RD, et al. **Clin Allergy** 1984 Mar;14(2):117-27

Skin testing and extrinsic allergic alveolitis. McSharry C, et al. **Clin Exp Immunol** 1983 Oct;54(1):282-8

Identification and characterization of Parietaria judaica allergens. Corbi AL, et al.
Int Arch Allergy Appl Immunol 1984;74(4):318-23

Cross-reactivity of IgE antibodies with allergens in birch pollen, fruits and vegetables. Halmepuro L, et al.
Int Arch Allergy Appl Immunol 1984;74(3):235-40

Allergens of Schistosoma mansoni. I. Comparison of the IgE response in human and experimental infections towards characterized allergens from adult worm products. Pierce RJ, et al. **Int Arch Allergy Appl Immunol** 1983;72(3):219-26

Allergen- and anti-IgE-induced histamine release from whole blood. Tanizaki Y, et al.
Int Arch Allergy Appl Immunol 1984;73(2):141-5

Does contact sensitivity last? Keczkes K. **Int J Dermatol** 1984 Mar;23(2):108-9

Antigenic and allergenic properties of the storage mite Tyrophagus putrescentiae. Arlian LG, et al.
J Allergy Clin Immunol 1984 Aug;74(2):166-71

A genetic-epidemiologic study of human immune responsiveness to allergens in an industrial population. II. The associations among skin sensitivity, total serum IgE, age, sex, and the reporting of allergies in a stratified random sample. Freidhoff LR, et al. **J Allergy Clin Immunol** 1984 Apr;73(4):490-9

The allergenic and antigenic properties of spore extracts of Aspergillus fumigatus: a comparative study of spore extracts with mycelium and culture filtrate extracts. Kauffman HF, et al. **J Allergy Clin Immunol** 1984 May; 73(5 Pt 1):567-73

Cat allergen 1: Biochemical, antigenic, and allergenic properties. Leitermann K, et al. **J Allergy Clin Immunol** 1984 Aug;74(2):147-53

Reducing sensitizing potential by pharmaceutical and cosmetic design. Dooms-Goossens A.
J Am Acad Dermatol 1984 Mar;10(3):547-53 (39 ref.)

Kinins are generated in vivo following nasal airway challenge of allergic individuals with allergen. Proud D, et al.
J Clin Invest 1983 Nov;72(5):1678-85

Simultaneous detection of IgE binding to several allergens using a nitrocellulose 'polydisc'. Walsh BJ, et al.
J Immunol Methods 1984 Jan 20;66(1):99-102

Induction of contact sensitivity to a broad variety of allergens with haptenized macrophages. von Blomberg-van der Flier M, et al. **J Invest Dermatol** 1984 Aug;83(2):91-5

Abolition of allergens by tannic acid [letter] Green WF.
Lancet 1984 Jul 21;2(8395):160

Parietaria as a cause of asthma [letter] Bass D, et al.
Med J Aust 1984 Apr 14;140(8):511

Synergic effect on in vitro surface IgE synthesis of purified allergen and Sepharose-ConA. Cocchiara R, et al.
Monogr Allergy 1983;18:238-41

In vivo allergen tachyphylaxis in guinea pig lung is mediated by endogenous prostaglandin E biosynthesis. Dorsch W, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Mar; 325(3):275-82

Cat allergens. Baer H. **Surv Immunol Res** 1982;1(1):91-2 (9 ref.)

[Overview of the allergens from several feeder regions of Czechoslovakia. Incidence and prevalence of contact hypersensitivity caused by the allergens spread by the population of the feeder areas of Bratislava, Trnava and Banská Bystrica 1978-1980] Hegyi E, et al.
Derm Beruf Umwelt 1984;32(2):59-63 (Eng. Abstr.) **(Ger)**

[Significance of inhaled environmental allergens] Zochert J.
Z Erkr Atmungsorgane 1983;161(2):153-8 (Eng. Abstr.) **(Ger)**

[Difference between mite antigens (Dermatophagoides pteronyssinus) bound to IgE of allergic patients and those bound to IgE of immunized mice] Abe T, et al.
Arerugi 1984 Feb;33(2):112-6 (Eng. Abstr.) **(Jpn)**

[Endoscopic and histologic studies on the bronchi in patients with bronchial asthma by fiber optic bronchoscopic challenge with house dust allergens] Aita S, et al.
Arerugi 1983 May;32(5):274-81 (Eng. Abstr.) **(Jpn)**

[Effect of sensitization by allergen inhalation on beta-receptors of the lung] Matsumoto S, et al. **Arerugi** 1983 Apr;32(4):221-8 (Eng. Abstr.) **(Jpn)**

[Studies on duplicate pollen sensitization] Soh N, et al.
Nippon Jibiinkoka Gakkai Kaiho 1984 Jan;87(1):39-44 (Eng. Abstr.) **(Jpn)**

[Antigenic properties of allergens and allergoids prepared from Daphnia sp. L] Sanokowska E. **Pol Tyg Lek** 1984 Mar 19;39(12):403-6 (Eng. Abstr.) **(Pol)**

[Immunologic indices in cases of contact with a food protein allergen in industrial and in control conditions] Chaban LM, et al. **Gig Tr Prof Zabol** 1984 Jan;(1):48-9 **(Rus)**

[Selective sensitivity of the body to food allergens] Andreichuk IE. **Vestn Dermatol Venerol** 1984 Jul;(7):53-4 (Eng. Abstr.) **(Rus)**

[Microbial sensitization in pathogenesis of postdysentery colitis] Suzdal'tsev AA. **Vrach Delo** 1983 Jul;(7):99-101 **(Rus)**

ISOLATION & PURIFICATION

A new, purified Dermatophagoides farinae allergen preparation. Evaluation with SPT and RAST techniques. Moxnes A, et al. **Allergy** 1984 Jul;39(5):339-49

Purified allergen extracts. Dreborg S.
Arb Paul Ehrlich Inst Georg Speyer Haus Ferdinand Blum Inst 1983;(78):217-23 (17 ref.)

Orchid allergy. Hausen BM, et al. **Arch Dermatol** 1984 Sep; 120(9):1206-8

The value of persistence and thoroughness in searching for the allergen in contact dermatitis. Maibach HI.
Cleve Clin Q 1983 Summer;50(2):56-7

An attempt to isolate and identify allergens in lanolin. Fregert S, et al. **Contact Dermatitis** 1984 Jan;10(1):16-9

Skin-sensitizing allergen in the adults of Ascaridia galli. Mishra SK, et al. **Indian J Exp Biol** 1983 Jun;21(6):310-2

Allergens of Schistosoma mansoni. II. Fractionation and characterization of S. mansoni egg allergens. Damonneville M, et al. **Int Arch Allergy Appl Immunol** 1984;73(3):248-55

Comparative study on cat allergens from fur and saliva. Didierlaurent A, et al. **Int Arch Allergy Appl Immunol** 1984; 73(1):27-31

Allergens in Hymenoptera venom XI. Isolation of protein allergens from Vespula maculifrons (yellow jacket) venom. Hoffman DR, et al. **J Allergy Clin Immunol** 1984 Jul; 74(1):93-103

Antigens and allergens from the common house dust mite Dermatophagoides pteronyssinus. Part II. Identification of the major IgE-binding antigens by crossed radioimmunoelectrophoresis. Krilis S, et al.
J Allergy Clin Immunol 1984 Aug;74(2):142-6

Allergen carriage by atmospheric aerosol. I. Ragweed pollen determinants in smaller micronic fractions. Solomon WR, et al. **J Allergy Clin Immunol** 1983 Nov;72(5 Pt 1):443-7

Studies on allergens of mammalian origin. Calam DH, et al.
J Chromatogr 1984 Apr 20;288(1):137-45

Investigations of the allergens of cocksfoot grass (Dactylis glomerata) pollen. Calam DH, et al. **J Chromatogr** 1983 Aug 26;266:293-300

[Studies on antigens of the house-dust mite. II. Allergenic activities of polyacrylamide gel electrophoresis fractions of Dermatophagoides farinae extract] Qu GY.
Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih 1983;1(3):178-81 (Eng. Abstr.) **(Chi)**

[Probable air-borne fungal allergens in Panama City] Sierra R, et al. **Rev Med Panama** 1984 May;9(2):116-22 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

Prevention of allergen-induced bronchial obstruction in sensitized guinea pigs by crude alcoholic onion extract. Dorsch W, et al. **Agents Actions** 1984 Jun;14(5-6):626-9

Lymphocyte transformation by grass pollen allergens. A study of atopic patients receiving immunotherapy. Broman P, et al. **Allergy** 1984 May;39(4):297-308

The effect of atropine on allergen-induced increases in bronchial responsiveness to histamine. Boulet LP, et al. **Am Rev Respir Dis** 1984 Sep;130(3):368-72

The diagnosis of infectious allergy by neutrophile reaction. The neutrophile damage index test. Fradkin VA.
Arb Paul Ehrlich Inst Georg Speyer Haus Ferdinand Blum Inst 1983;(78):125-9

Stability assessment of allergenic extracts by some in vivo and in vitro methods. Petrunov B, et al.
Arb Paul Ehrlich Inst Georg Speyer Haus Ferdinand Blum Inst 1983;(78):163-71

A comparison of the effects of ketotifen and clemastine on cutaneous and airway reactivity to histamine and allergen in atopic asthmatic subjects. Esau S, et al.
J Allergy Clin Immunol 1984 Sep;74(3 Pt 1):270-4

T cell responses to the major allergen from the house dust mite Dermatophagoides pteronyssinus, Antigen P1: comparison of patients with asthma, atopic dermatitis, and perennial rhinitis. Rawle FC, et al. **J Immunol** 1984 Jul; 133(1):195-201

Local release of histamine, prostaglandin F2 alpha and thromboxane B2 into the tracheal lumen and its influence on airways reactivity. Peskar BA, et al.
Klin Wochenschr 1984 Apr 2;62(7):315-22

Immunologic mechanisms in the pathogenesis of colitis ulcerosa. Part I: Absolute eosinophilia in the blood and in rectal smears, skin and intramucosal tests, with alimentary allergens, mastocytosis of the rectal mucosa before and after challenge with alimentary allergens. Chachaj W, et al. **Mater Med Pol** 1982 Jan-Dec; 14(1-2):7-10

STANDARDS

Standardization of allergens. Examination of existing procedures and the likely impact of new techniques on the quality control of extracts. Baldo BA. **Allergy** 1983 Nov;38(8):535-46 (70 ref.)

Comparison of three variations of the radioallergosorbent test-inhibition assay for measuring allergenic activity of grass pollen extracts. Wahl R, et al. **Anal Biochem** 1983 Oct 1;134(1):189-94

Allergenic extracts: a review of their safety and efficacy [letter] Frankland AW. **Ann Allergy** 1984 Jul;53(1):96

Allergenic extracts: a review of their safety and efficacy. Schaeffer M, et al. **Ann Allergy** 1984 Jan;52(1):2-14 (23 ref.)

Regulatory control and standardization of allergenic extracts. Second International Paul-Ehrlich-Seminar Sept. 13th-15th, 1981.
Arb Paul Ehrlich Inst Georg Speyer Haus Ferdinand Blum Inst 1983;(78):1-278

Monoclonal antibodies in allergen standardization. Aalberse RC.
Arb Paul Ehrlich Inst Georg Speyer Haus Ferdinand Blum Inst 1983;(78):137-40

Progress in common Nordic Guidelines for the Registration of Allergen Preparations. Arntzen FC.
Arb Paul Ehrlich Inst Georg Speyer Haus Ferdinand Blum Inst 1983;(78):25-8

Regulatory control and standardization of allergenic extracts. Standardized extracts in prick testing. Backman A, et al.
Arb Paul Ehrlich Inst Georg Speyer Haus Ferdinand Blum Inst 1983;(78):71-6

Biological standardization of allergen extracts/preparations. Dreborg S, et al.
Arb Paul Ehrlich Inst Georg Speyer Haus Ferdinand Blum Inst 1983;(78):77-82

Regulatory activities for allergenic extracts in the UK: the present situation. Ford A.
Arb Paul Ehrlich Inst Georg Speyer Haus Ferdinand Blum Inst 1983;(78):29-35

Regulatory control and standardization of allergenic extracts. Leading motive: thesis and antithesis. Göing H.
Arb Paul Ehrlich Inst Georg Speyer Haus Ferdinand Blum Inst 1983;(78):7-11

Regulatory control and standardization of allergenic extracts. The value of single result potency estimations in stability assessments. Hordle DA, et al.
Arb Paul Ehrlich Inst Georg Speyer Haus Ferdinand Blum Inst 1983;(78):173-80

Regulatory control and standardization of allergenic extracts. Consequences of the introduction of arbitrary units. Levy DA.
Arb Paul Ehrlich Inst Georg Speyer Haus Ferdinand Blum Inst 1983;(78):181-4

Report on behalf of the International Union of Immunological Societies (I.U.I.S.) Allergen Standardization Subcommittee. Løwenstein H.
Arb Paul Ehrlich Inst Georg Speyer Haus Ferdinand Blum Inst 1983;(78):41-8

Characterization of allergenic extracts by the histamine release method in the blood of allergic individuals. May S.
Arb Paul Ehrlich Inst Georg Speyer Haus Ferdinand Blum Inst 1983;(78):119-24

Regulatory control and standardization of allergenic extracts. Progress and results following the resolutions of the First International Paul Ehrlich Seminar. Schaeffer M.
Arb Paul Ehrlich Inst Georg Speyer Haus Ferdinand Blum

Inst 1983;(78):3–6
Allergenic extracts regulatory activities in the U.S.A. Sisk C.
Arb Paul Ehrlich Inst Georg Speyer Haus Ferdinand Blum Inst 1983;(78):13–21
Regulatory control and standardization of allergenic extracts. Standardized extracts in therapy. Turkeltaub PC.
Arb Paul Ehrlich Inst Georg Speyer Haus Ferdinand Blum Inst 1983;(78):83–6
Qualitative standards [letter] Foussereau J, et al.
Contact Dermatitis 1983 Jul;9(4):336–7
Comparison of histamine release assay and RAST inhibition as tools for allergen extract standardization. Maasch HJ, et al. **Int Arch Allergy Appl Immunol** 1984;73(4):314–20
Assay of the biologic activity of allergen skin test preparations. Björkstén F, et al. **J Allergy Clin Immunol** 1984 Mar;73(3):324–31
Allergen standardization: 1984. Yunginger JW.
J Allergy Clin Immunol 1984 Mar;73(3):316–7 (12 ref.)
Allergenic extracts: characterization, standardization, and prospects for the future. Yunginger JW.
Pediatr Clin North Am 1983 Oct;30(5):795–805 (38 ref.)
[Standardization of allergen extracts—evaluation of in vitro methods for determination of the potency of allergen extracts] Yasueda H, et al. **Arerugi** 1983 Oct;32(10):1054–62 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Treatment of alopecia areata profiting from 'natural' allergy to nickel [letter] Suárez Martín E. **Arch Dermatol** 1984 Sep; 120(9):1138–9
Clinical experience on the treatment of alopecia areata with squaric acid dibutyl ester. Giannetti A, et al.
Dermatologica 1983;167(5):280–2
Topical therapy of alopecia areata with squaric acid dibutylester. Case PC, et al. **J Am Acad Dermatol** 1984 Mar;10(3):447–50

TOXICITY

Toxicity studies with allergens – requirements, guidelines. Göran Jonsson BJ.
Arb Paul Ehrlich Inst Georg Speyer Haus Ferdinand Blum Inst 1983;(78):191–3
24 and 48 h allergen exposure in patch testing. Comparative study with 11 common contact allergens and NiCl2. Kalimo K, et al. **Contact Dermatitis** 1984 Jan;10(1):25–9
[Comparative study of the sensitizing effects of metals of the platinum group] Kolpakova AF, et al.
Gig Tr Prof Zabol 1983 Jul;(7):22–4 (Eng. Abstr.) **(Rus)**
[Non-immunologic allergy] Ado AD.
Patol Fiziol Eksp Ter 1983 Jul-Aug;(4):9–13 **(Rus)**

ALLERGIC ALVEOLITIS, EXTRINSIC see **ALVEOLITIS, EXTRINSIC ALLERGIC**

ALLERGIC BRONCHOPULMONARY ASPERGILLOSIS see **ASPERGILLOSIS, ALLERGIC BRONCHOPULMONARY**

ALLERGIC CUTANEOUS ANGIITIS see **VASCULITIS, ALLERGIC CUTANEOUS**

ALLERGIC CUTANEOUS VASCULITIS see **VASCULITIS, ALLERGIC CUTANEOUS**

ALLERGIC DERMATITIS see **DERMATITIS, ATOPIC**

ALLERGIC PURPURA see **PURPURA, SCHOENLEIN-HENOCH**

ALLERGY see **HYPERSENSITIVITY**

ALLERGY (SPECIALTY) see **ALLERGY AND IMMUNOLOGY**

ALLERGY AND IMMUNOLOGY

Night of terror at the golden gopher. McDonald WH.
Ala Med 1983 Jul;53(1):6–18
Chronobiology in hematology and immunology. Haus E, et al. **Am J Anat** 1983 Dec;168(4):467–517 (113 ref.)
Certification in diagnostic laboratory immunology: implications for the practicing allergist/immunologist [editorial] Lee RE Jr, et al. **Ann Allergy** 1983 Nov;51(5):487
Chairman's report to the WHO–IUIS Nomenclature Committee. Cinader B. **Cell Immunol** 1984 Jun;86(1):251–4
Proceedings of ISDCI Invertebrate Immunity Conference, Swansea, Wales, August 31st–September 3rd, 1982 and Symposium: Developmental and comparative immunology of vertebrates, Masserberg, G.D.R., November 8–12, 1982. **Dev Comp Immunol** 1983 Fall;7(4):599–793
The case for clinical immunology laboratories in developing countries. Koech DK. **East Afr Med J** 1984 Jan;61(1):1–5
Chairman's report to the WHO–IUIS Nomenclature Committee, Kyoto, 25 August 1983. Cinader B.
Immunology 1984 Jul;52(3):585–7
The immunology laboratory services in Malaysia. Yap SF. **Malays J Pathol** 1982 Aug;5:11–3
Immunology made accessible [news] Maddox J. **Nature** 1984 Jul 19–25;310(5974):183
Immunotoxicology—current concepts. Loose LD.
Surv Immunol Res 1983;2(3):318–20
[Information needs of immunologists and the means of satisfying them] Sharabchiev IuT.
Zh Mikrobiol Epidemiol Immunobiol 1983 Aug;(8):79–84 **(Rus)**
[Profile of the allergologist and clinical immunologist] del Real Sánchez J. **Alergia** 1983 Jul;30(3):119–27 (Eng. Abstr.) **(Spa)**

EDUCATION

Immunology and the memory of medical students. John C, et al. **Acta Univ Carol [Med] (Praha)** 1983;29(3–4):203–11
Clinical immunology: a comprehensive educational simulation. Aloisi RM, et al.
Lab Res Methods Biol Med 1983;8:79–88
Clinical immunology [letter] Pearson DJ. **Lancet** 1983 Oct 22;2(8356):973
Communication in medicine [letter] Ford RM.
Med J Aust 1983 Oct 29;2(9):424

HISTORY

Recognition of antibodies as labeled globulins. Heidelberger M. **Ann NY Acad Sci** 1983;420:1–4
Origin of the terms 'antibody' and 'antigen'. Lindenmann J. **Scand J Immunol** 1984 Apr;19(4):281–5
[Koch's basic experiment and its present experimental variants] Blasi A. **Z Erkr Atmungsorgane** 1983;161(1):51–5 (Eng. Abstr.) **(Ger)**
[The doctrine of immunity in the light of Robert Koch's concepts] Schneeweiss U. **Z Erkr Atmungsorgane** 1983; 161(1):46–50 (Eng. Abstr.) **(Ger)**
[Centenary of I. I. Mechnikov's phagocyte theory] Trubina LM. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Dec; (12):99–101 **(Rus)**

TRENDS

Update of immunology initiatives. Sogn DD, et al.
Ann Allergy 1984 Apr;52(4):260–6 (30 ref.)
The role of clinical immunology [editorial] Feighery C.
Ir Med J 1984 Jun;77(6):157–8
Spotlight on asthma and allergy [letter] Adler RJ.
J Allergy Clin Immunol 1984 Sep;74(3 Pt 1):307
Clinical and laboratory immunology [letter] Thompson RA.
Lancet 1983 Nov 26;2(8361):1253
Reproductive immunology: past, present, and future. Billingham RE, et al. **Perspect Biol Med** 1984 Winter; 27(2):259–75
Survey of immunologic research: need and purpose. Cruse JM. **Surv Immunol Res** 1982;1(1):1–4 (10 ref.)
[Advances in immunodermatology] **Hautarzt** 1983;34 Suppl 6:225–45 **(Ger)**
[The impact of immunology on modern medicine] Caetano M. **Acta Med Port** 1983 Jul-Aug;4(7–8):373–6 (13 ref.) **(Por)**
[Immunological trends in research on hemostasis] Fedorova ZD, et al. **Gematol Transfuziol** 1984 Feb;29(2):22–6 (Eng. Abstr.) **(Rus)**

ALLETHRIN

PHARMACODYNAMICS

Involvement of cholinergic mechanism in the action of allethrin in insect CNS. Takeno K, et al. **J Toxicol Sci** 1983 Nov;8(4):269–78

ALLIED HEALTH OCCUPATIONS see **HEALTH OCCUPATIONS**

ALLIED HEALTH PERSONNEL

The itinerant health worker: an experiment in rural health care delivery. Isely RB, et al. **Afr J Med Med Sci** 1983 Mar;12(1):47–55
Out-of-hospital management of cardiac arrest by basic emergency medical technicians. Wilson BH, et al.
Am J Cardiol 1984 Jan 1;53(1):68–70
The dissemination of a social intervention: process and effectiveness of two types of paraprofessional change agents. Mitchell CM. **Am J Community Psychol** 1983 Dec; 11(6):723–39
Comparing nonphysician and physician laboratory administrative responsibilities. Barr JT.
Am J Med Technol 1983 Nov;49(11):795–806
United States health professionals in international health work. Baker TD, et al. **Am J Public Health** 1984 May; 74(5):438–41
Prehospital cardiopulmonary resuscitation of the critically injured patient. Copass MK, et al. **Am J Surg** 1984 Jul; 148(1):20–6
Health advisers (contact tracers) in sexually transmitted disease. Thin RN. **Br J Vener Dis** 1984 Aug;60(4):269–72
Ontario experiments with emergency paramedics. Goldman B. **Can Med Assoc J** 1984 Jun 1;130(11):1476–8
Field endotracheal intubation by paramedical personnel. Success rates and complications. Stewart RD, et al.
Chest 1984 Mar;85(3):341–5
Work Wear improves emergency staff uniforms. Holloway G. **Dimens Health Serv** 1984 Jan;61(1):20
Palmore's Facts on Aging Quiz: a reappraisal. Holtzman JM, et al. **Gerontologist** 1979 Feb;19(1):116–20
PPD skin tests for workers [letter] Silver HJ.
Infect Control 1984 May;5(5):211–2
Paraprofessional versus professional drug counselors: diverse routes to the same role. Aiken LS, et al. **Int J Addict** 1984 Apr;19(2):153–73
Work satisfaction among technologists [letter] Stevens KR Jr, et al. **Int J Radiat Oncol Biol Phys** 1984 Apr;10(4):577–8
To our newest colleagues in allied health: a valedictory [editorial] McTernan EJ. **J Allied Health** 1983 Aug; 12(3):238–40
Utilizing paramedics to teach emergency medicine to osteopathic medical students. Murphy BC. **J Med Educ** 1984 Apr;59(4):355–6
Occupational exposure to hepatitis B virus. Analysis of indications for hepatitis B vaccine. Lohiya G, et al.
J Occup Med 1984 Mar;26(3):189–96
Certification of emergency medical technicians. Herbelin JT, et al. **J Okla State Med Assoc** 1984 Jul;77(7):203–4
Treatment of ventricular fibrillation. Emergency medical technician defibrillation and paramedic services. Eisenberg MS, et al. **JAMA** 1984 Apr 6;251(13):1723–6
Endotracheal intubation in the prehospital phase of emergency medical care. Jacobs LM, et al. **JAMA** 1983 Oct 28;250(16):2175–7
Improving direct care via minimal changes in conventional resources: an empirical analysis. Byrd GR, et al.
Ment Retard 1983 Aug;21(4):164–8
Prehospital defibrillation by emergency medical technicians [letter] Nagin JG. **N Engl J Med** 1984 Jun 7;310(23):1533
AIDS: London scare ends [news] Crown M. **Nature** 1984 Aug 23–29;310(5979):614
The role of the allied health professional in the treatment of arthritis. Banwell BF. **Primary Care** 1984 Jun; 11(2):219–32
The question of hospital privileges for allied health professionals. Stevens JE. **QRB** 1984 Jan;10(1):17–8
[Lumbar complaints among hospital stretcher carriers. Consequences and occupational environment] Thomsen CE, et al. **Ugeskr Laeger** 1984 Mar 26;146(13):999–1004 (Eng. Abstr.) **(Dan)**

EDUCATION

Psychological training of emergency medical technicians: an evaluation. Hoge MA, et al. **Am J Community Psychol** 1984 Feb;12(1):127–31
Prehospital defibrillation by basic-level emergency medical technicians. **Ann Emerg Med** 1984 Oct;13(10):974
An evaluation of emergency medical technicians' ability to use manual ventilation devices. Elling R, et al.
Ann Emerg Med 1983 Dec;12(12):765–8
Military and civilians. Working together. Huff SD.
AORN J 1984 May;39(6):1072–6
Improved neurologic recovery and survival after early defibrillation. Weaver WD, et al. **Circulation** 1984 May; 69(5):943–8
Training of emergency dispatch-center personnel in Sweden. Brismar B, et al. **Crit Care Med** 1984 Aug;12(8):679–80
Understanding diabetes routines: a professional training exercise. Warren-Boulton E, et al. **Diabetes Care** 1982 Sep-Oct;5(5):537–41
Developing and assessing a training program in prehospital care of behavioral emergencies. Bassuk EL, et al.
Hosp Community Psychiatry 1983 Oct;34(10):962–4
The potential for using cognitive styles as selection predictors for allied health education administration programs. Blagg JD Jr. **J Allied Health** 1984 May;13(2):130–9
Training allied health professionals to deliver breast-feeding services to women in the pre- and postnatal periods. Chandler CG, et al. **J Allied Health** 1982 May;11(2):124–30
Accreditation: dispelling the myths. Elkins CM.
J Allied Health 1983 Nov;12(4):249–61
Teaching decision-making skills in biomedical ethics for the allied health student. Francoeur RT. **J Allied Health** 1983 Aug;12(3):202–9
Perceptions of patient-provider relationships in allied health education textbooks. Glazer-Waldman HR.
J Allied Health 1984 May;13(2):104–11
Challenges to faculty leadership. Hanavan FV.
J Allied Health 1982 May;11(2):150–2
Core course in leadership and management skills for allied health professionals. Harrison FG. **J Allied Health** 1983 Nov;12(4):273–9
Rights and responsibilities in the accreditation process. Horvath FL. **J Allied Health** 1983 Nov;12(4):245–8
Statewide articulation for allied health: a conceptual model in action. King EC, et al. **J Allied Health** 1984 Feb; 13(1):53–62
A model for competency-based, computer-managed instruction in allied health. Lee EC, et al.
J Allied Health 1982 May;11(2):106–14
Ethics in allied health education: state of the art. Purtilo RB.
J Allied Health 1983 Aug;12(3):210–20
Educational imagery and the allied health educator. Richardson GE, et al. **J Allied Health** 1984 Feb;13(1):38–47
A research approach to simplifying the accrediting process of allied health programs. Roberts MD, et al.
J Allied Health 1984 May;13(2):140–5
Women in leadership positions: a study of allied health chairpersons. Selker LG, et al. **J Allied Health** 1982 May; 11(2):77–87
Design and implementation of a simulation exercise for teaching confidentiality of patient information. Snyder JR.

J Allied Health 1982 May;11(2):96–105

Recommendations of the National Commission on Allied Health Education: priorities for the dietetic profession. Turcotte JM, et al. J Am Diet Assoc 1983 Nov;83(5):531–7

The educational utility of comprehensive functional assessment in the elderly. Besdine RW. J Am Geriatr Soc 1983 Nov;31(11):651–6

The training of paramedics for primary health care. Saint-Yves IF. J R Soc Health 1983 Aug;103(4):135–7

Allied health educational programs. JAMA 1984 Sep 28; 252(12):1623–4

Allied health education and accreditation. Boberg JT. JAMA 1984 Sep 28;252(12):1568–72

Simplifying ancillary health care support [letter] Howard D. Lancet 1984 Aug 4;2(8397):290–1

Characteristics of emergency medical services providers in rural areas who seek advanced training. Whitley TW, et al. NC Med J 1984 Aug;45(8):529–32

The evolution of a rural EMT-intermediate training program. Williamson JE, et al. NC Med J 1983 Nov; 44(11):737–42

Changes in education for professionals interested in the treatment of alcohol problems [letter] Knight ML. NZ Med J 1983 Dec 14;96(745):1031

Student status and legal applications. Ward JA. Radiol Technol 1983 Nov–Dec;55(2):624–9

The comprehension of english language texts among paramedical students normally using another language. Suitters BT. Trans R Soc Trop Med Hyg 1983;77(4):561–2

[A system of training mid-level health personnel for work in the intensive hematologic care unit] Bláha M, et al. Vnitr Lek 1983 Oct;29(10):1003–10 (Eng. Abstr.) (Cze)

[Is specific training and continuing education of medical technologists and laboratory scientists necessary for laboratory diagnosis in mass arrivals of injured victims?] Ballschuh G. Z Med Lab Diagn 1984;25(4):227–31 (Eng. Abstr.) (Ger)

[Training of paramedical workers in the USSR] Muchinskaia SP. Akush Ginekol (Mosk) 1984 Jan;(1):51–2 (Rus)

[Various problems in the training of nursing personnel and health technicians and in the evaluation of their performance] Kleindorf B, et al. Educ Med Salud 1983; 17(3):296–313 (Eng. Abstr.) (Spa)

HISTORY

Technology, specialization, and the allied health professions. Reiser SJ. J Allied Health 1983 Aug;12(3):177–82

LEGISLATION & JURISPRUDENCE

Regulatory theory and prospective risk assessment in the limitation of scope of practice. Johnson SH. J Leg Med (Chicago) 1983 Dec;4(4):447–78

PSYCHOLOGY

Health professionals' patterns of communication: cross-purpose or problem solving? MacKinnon JR. J Allied Health 1984 Feb;13(1):3–12

Respite care services: an evaluation of the perceptions of parents and workers. Joyce K, et al. Rehabil Lit 1983 Sep–Oct;44(9–10):270–4

STANDARDS

For debate... paramedics in the United Kingdom? Redmond AD. Br Med J [Clin Res] 1984 Feb 25;288(6417):622–3

Credentialing nonphysician providers of health care. Frey WR. J Allied Health 1984 Feb;13(1):70–3

Recertification and relicensure in the allied health professions. Gray MS. J Allied Health 1984 Feb;13(1):22–30

TRENDS

The interaction with allied non-medical professions: the Canadian Psychiatric Association's guidelines. The position of the Canadian Psychiatric Association. el-Guebaly N. Can J Psychiatry 1984 Mar;29(2):163–75 (Eng, Fre)

Paraprofessionals and psychiatric teams: an updated review. Moffic HS, et al. Hosp Community Psychiatry 1984 Jan; 35(1):61–7

UTILIZATION

Out-of-hospital pulmonary edema [letter] Kelen GD. Ann Emerg Med 1984 Jul;13(7):575–6

Colorectal cancer screening by paramedical personnel [editorial] Schapiro M. Dig Dis Sci 1984 Feb;29(2):159–60

Animal technicians. Childers HE. Vet Clin North Am [Small Anim Pract] 1983 Nov; 13(4):661–73 (15 ref.)

ALLIGATORS AND CROCODILES see under **REPTILES**

ALLOANTIBODIES see **ISOANTIBODIES**

ALLOANTIGENS see **ISOANTIGENS**

ALLOBARBITAL see under **BARBITURATES**

ALLOGRAFT see **TRANSPLANTATION, HOMOLOGOUS**

ALLOMYCES see under **PHYCOMYCETES**

ALLOPHANATE HYDROLASE see under **AMIDOHYDROLASES**

ALLOPURINOL

ADMINISTRATION & DOSAGE

Enhanced antitumor activity of adriamycin in combination with allopurinol. Schwartz HS. Cancer Lett 1983 Aug; 20(1):69–74

Prevention of recurrent uric acid and calcium oxalate stones by administration of the xanthine oxidase inhibitors Milurit 100 and Milurit 300. Schneider HJ, et al. Int Urol Nephrol 1983;15(2):121–9

ADVERSE EFFECTS

Oxipurinol therapy in allopurinol-allergic patients. Earll JM, et al. Am Fam Physician 1983 Nov;28(5):147–8

Allopurinol and cataracts. Jick H, et al. Am J Ophthalmol 1984 Sep 15;98(3):355–8

Further studies on allopurinol therapy and human cataractogenesis. Lerman S, et al. Am J Ophthalmol 1984 Feb;97(2):205–9

Fulminant hepatic failure due to allopurinol. Raper R, et al. Aust NZ J Med 1984 Feb;14(1):63–5

Allopurinol-induced toxic epidermal necrolysis. Dan M, et al. Int J Dermatol 1984 Mar;23(2):142–4

Reactions to allopurinol [letter] Jick H, et al. JAMA 1984 Sep 21;252(11):1411

Fatal Stevens-Johnson syndrome in a patient on captopril and allopurinol [letter] Pennell DJ, et al. Lancet 1984 Feb 25;1(8374):463

Fever, myalgia, and arthralgia in a patient on captopril and allopurinol [letter] Samanta A, et al. Lancet 1984 Mar 24; 1(8378):679

Allopurinol hypersensitivity [letter] Vinciullo C. Med J Aust 1984 Sep 29;141(7):449–50

[Xanthine lithiasis in a case of Lesch-Nyhan syndrome treated with allopurinol] Loris Pablo C, et al. An Esp Pediatr 1983 Nov;19(5):401–4 (Eng. Abstr.) (Spa)

ANALOGS & DERIVATIVES

Monophosphates of formycin B and allopurinol riboside. Interactions with leishmanial and mammalian succino-AMP synthetase and GMP reductase. Spector T, et al. Biochem Pharmacol 1984 May 15;33(10):1611–7

Pyrazolopyrimidine metabolism in Leishmania and trypanosomes: significant differences between host and parasite. Marr JJ. J Cell Biochem 1983;22(3):187–96

C4-substituted 1-beta-D-ribofuranosylpyrazolo[3,4-d]pyrimidines as adenosine agonist analogues. Hamilton HW, et al. J Med Chem 1983 Nov;26(11):1601–6

In vitro susceptibility testing of Naegleria fowleri to ketoconazole, BAYn7133, and allopurinol riboside. Smego RA Jr, et al. J Parasitol 1984 Apr;70(2):317–8

ANALYSIS

Simultaneous determination of allopurinol, oxipurinol, hypoxanthine and xanthine in biological fluids by high-performance liquid chromatography. Boulieu R, et al. J Chromatogr 1984 May 11;307(2):469–74

High-performance liquid chromatography with polarographic and voltammetric anodic detection: simultaneous determination of allopurinol, oxipurinol and uric acid in body fluids. Palmisano F, et al. J Chromatogr 1984 Mar 9;306:205–14

[Comparative in vitro studies of allopurinol in commercial preparations] Georgarakis M, et al. Pharmazie 1984 Apr; 39(4):248–50 (Eng. Abstr.) (Ger)

BLOOD

Interference with Ektachem 400 determinations of chloride in a leukemia patient treated with allopurinol [letter] Potter JL, et al. Clin Chem 1984 Jun;30(6):1113–4

METABOLISM

Metabolic studies of high doses of allopurinol in humans. Nelson DJ, et al. Adv Exp Med Biol 1984;165 Pt A:167–70

Influence of dietary purines on allopurinol metabolism and allopurinol induced oroticaciduria. Reiter S, et al. Adv Exp Med Biol 1984;165 Pt A:323–6

Allopurinol metabolism in a patient with xanthine oxidase deficiency. Yamanaka H, et al. Ann Rheum Dis 1983 Dec; 42(6):684–6

Absorption and metabolism of allopurinol and oxypurinol by rat jejunum in vitro: effects on uric acid transport. Shaw MI, et al. Clin Sci 1984 Mar;66(3):257–67

Pyrazolopyrimidine metabolism in Leishmania and trypanosomes: significant differences between host and parasite. Marr JJ. J Cell Biochem 1983;22(3):187–96

Differences in allopurinol and 4-aminopyrazolo(3,4-d) pyrimidine metabolism in drug-sensitive and insensitive strains of Trypanosoma cruzi. Avila JL, et al. Mol Biochem Parasitol 1984 Apr;11:51–60

Influence of dietary purines on the metabolism of allopurinol in man. Reiter S, et al. World Rev Nutr Diet 1984;43:187–91

[Excretion and serum concentrations of allopurinol, oxipurinol and oxipurines in combined treatment with allopurinol and benzbromarone in increasing doses] Mertz DP, et al. Med Welt 1983 Sep 9;34(36):974–9 (Ger)

PHARMACODYNAMICS

Uricostatic effect of allopurinol in the allantoxanamide-treated rat: a new method for evaluating antiuricopathic drugs. Hropot M, et al. Adv Exp Med Biol 1984;165 Pt A:175–8

The excretion of 14C-hypoxanthine and its metabolites in rats following administration of uricostatic drugs. von Kerékjártó B, et al. Adv Exp Med Biol 1984;165 Pt A:179–83

5-fluorocytosine susceptibility of pathogenic fungi in the presence of allopurinol: potential for improving the therapeutic index of 5-fluorocytosine. Kerkering TM, et al. Antimicrob Agents Chemother 1983 Sep;24(3):448–9

Purine de novo synthesis in liver and developing rat brain, and the effect of some inhibitors of purine nucleotide interconversion. Allsop J, et al. Enzyme 1983;30(3):172–80

IMP dehydrogenase. I. Studies on regulatory properties of crude tissue extracts based on an improved assay method. Shimura K, et al. J Biochem (Tokyo) 1983 Nov; 94(5):1595–603

Protective action by methylprednisolone, allopurinol and indomethacin against stroke-induced damage to adenylate cyclase in gerbil cerebral cortex. Taylor MD, et al. Stroke 1984 Mar–Apr;15(2):329–35

[The effect of allopurinol on the serum digoxin concentration] Havelund T, et al. Ugeskr Laeger 1984 Apr 16; 146(16):1209–11 (Eng. Abstr.) (Dan)

THERAPEUTIC USE

Effect of parenteral allopurinol treatment in critically ill children in need of intensive care. Boda D, et al. Acta Paediatr Hung 1983;24(3):247–53

Gout resistant to allopurinol: poor compliance or non-response. Simmonds HA, et al. Adv Exp Med Biol 1984;165 Pt A:171–4

X-linked recessive (Duchenne) muscular dystrophy (DMD) and purine metabolism: effects of oral allopurinol and adenylate. Thomson WH. Adv Exp Med Biol 1984;165 Pt B:451–6

Inhibition of first-pass metabolism in cancer chemotherapy: interaction of 6-mercaptopurine and allopurinol. Zimm S, et al. Clin Pharmacol Ther 1983 Dec;34(6):810–7

Intravesical high dose 5-fluorouracil instillations combined with allopurinol—a therapeutic alternative in the treatment of multiple bladder tumors. Leissner KH, et al. J Urol 1984 Jul;132(1):34–6

Defense against free radicals has therapeutic implications [news] Simmons K. JAMA 1984 May 4;251(17):2187, 2191–2

Effect of allopurinol on the survival of hyperemic island skin flaps. Im MJ, et al. Plast Reconstr Surg 1984 Feb; 73(2):276–8

Placebo versus allopurinol for recurrent urinary calculi. Smith MJ. Proc Eur Dial Transplant Assoc 1983;20:422–6

Allopurinol treatment in human Leishmania braziliensis braziliensis infections [letter] Marsden PD, et al. Trans R Soc Trop Med Hyg 1984;78(3):419–20

Clinical, haematological and parasitological response to treatment of visceral leishmaniasis in Kenya. A study of 64 patients. Kager PA, et al. Trop Geogr Med 1984 Mar; 36(1):21–35

A prospective study of the development of hypertension and renal stone disease in subjects with increased blood urate. Ferrie B, et al. Urol Res 1983;11(5):211–3

[Excretion and serum concentrations of allopurinol, oxipurinol and oxipurines in combined treatment with allopurinol and benzbromarone in increasing doses] Mertz DP, et al. Med Welt 1983 Sep 9;34(36):974–9 (Ger)

[Prevention of urinary calculi with thiazides and allopurinol. A long-term study] May P, et al. Urologe [Ausg A] 1984 Mar;23(2):87–90 (Eng. Abstr.) (Ger)

[Allopurinol in the therapy of idiopathic calcic lithiasis] Caudarella R, et al. G Clin Med 1983 May–Jun; 64(5–6):198–208 (Eng. Abstr.) (Ita)

[Burmadon in the treatment of gout] Bošmanský K, et al. Cas Lek Cesk 1982 Nov 11;122(45):1398–401 (Eng. Abstr.) (Slo)

[Progressive muscular dystrophy, intra-auricular block with allopurinol (letter)] Fuster Siebert M, et al. Med Clin (Barc) 1984 Jul 14;83(6):267 (Spa)

[Experimental murine trypanosomiasis. Therapeutic trials. I. Effect of allopurinol] García Fernández de Lara G, et al. Rev Latinoam Microbiol 1982 Jul–Sep;24(3):181–4 (Eng. Abstr.) (Spa)

[The therapeutic effect of allopurinol on American trypanosomiasis (Chagas disease) in CFW mice] Castrillón Rivera LE, et al. Salud Publica Mex 1984 Mar–Apr; 26(2):146–54 (Eng. Abstr.) (Spa)

TOXICITY

Severe allopurinol toxicity. Description and guidelines for prevention in patients with renal insufficiency. Hande KR, et al. Am J Med 1984 Jan;76(1):47–56

Damaging effects of oxygen radicals on resealed erythrocyte ghosts. Girotti AW, et al. J Biol Chem 1984 Feb 10; 259(3):1744–52

ALLOSTERIC SITE see under **BINDING SITES**

ALLOTYPES, IMMUNOGLOBULIN see IMMUNOGLOBULIN ALLOTYPES

ALLOTYPIC ANTIBODIES see IMMUNOGLOBULIN ALLOTYPES

ALLOXAN

ANALOGS & DERIVATIVES

Alloxan analogues as potential pancreatic-imaging radiopharmaceuticals. Adams WE, et al. **J Pharm Sci** 1984 Mar;73(3):394–6

ANTAGONISTS & INHIBITORS

Inhibition by dithioerythritol of alloxan induced efflux of Ca2+ and accompanying alterations in isolated liver mitochondria. Boquist L. **Biochem Int** 1984 Apr; 8(4):597–602

METABOLISM

Study of isolated mitochondria incubated with labelled and non-labelled alloxan, with regard to intramitochondrial concentrations of reduced glutathione and inorganic phosphate. Boquist L, et al. **Diabete Metab** 1983 May–Jun; 9(2):106–11

PHARMACODYNAMICS

The effect of alloxan, and alloxan-induced diabetes on the kidney. Evan AP, et al. **Anat Rec** 1984 Jan;208(1):33–47

Concanavalin A and alloxan interactions on glucose-induced insulin secretion and biosynthesis from islets of Langerhans. Virji MA, et al. **Diabetes** 1984 Feb;33(2):164–9

Streptozotocin, but not alloxan, induces DNA repair synthesis in mouse pancreatic islets in vitro. Sandler S, et al. **Diabetologia** 1983 Nov;25(5):444–7

Alloxan-induced hyperglycemia increases progestin and androgen accumulation by isolated rabbit follicles in vitro. YoungLai EV. **Experientia** 1984 Mar 15;40(3):289–91

Ultrastructure and membrane permeability of cultured pancreatic beta-cells exposed to alloxan or 6-hydroxydopamine. Norlund R, et al. **Virchows Arch [A]** 1984;404(1):31–8

THERAPEUTIC USE

Alloxan therapy for nesidioblastosis. Davidson PM, et al. **J Pediatr Surg** 1984 Feb;19(1):87–9

TOXICITY

Cytotoxic effects of alloxan treatment in vitro on monolayer cultures of neonatal rat pancreas. Gorray KC, et al. **Am J Physiol** 1983 Oct;245(4):E417–23

Alloxan and 6-hydroxydopamine: cellular toxins. Cohen G, et al. **Methods Enzymol** 1984;105:510–6

Potentiation of thioacetamide-induced hepatotoxicity in alloxan- and streptozotocin-diabetic rats. El-Hawari AM, et al. **Toxicol Lett** 1983 Jul;17(3–4):293–300

ALLOXAN DIABETES see DIABETES MELLITUS, EXPERIMENTAL

ALLOYS

Radiographic and histologic evaluation of intramedullary implants intended for biological fixation. Luedemann RE, et al. **Biomater Med Devices Artif Organs** 1983; 11(2–3):197–210

Electrochemical corrosion of metallic biomaterials. Pourbaix M. **Biomaterials** 1984 May;5(3):122–34 (48 ref.)

Distribution of extractable mutagenic activity in steel foundry air particulates of different sizes. McCalla DR, et al. **Environ Mutagen** 1983;5(6):881–9

Fatigue properties of carbon- and porous-coated Ti-6Al-4V alloy. Cook SD, et al. **J Biomed Mater Res** 1984 May–Jun; 18(5):497–512

The application of scanning transmission electron microscopy (STEM) to the study of thin anodic films on nickel and nickel-molybdenum alloys. Moriya M, et al. **J Microsc** 1984 Feb;133 (Pt 2):155–70

Perturbation of cobalt 60 radiation doses by metal objects implanted during oral and maxillofacial surgery. Tatcher M, et al. **J Oral Maxillofac Surg** 1984 Feb;42(2):108–10

Percutaneous arterial grafting. Cragg AH, et al. **Radiology** 1984 Jan;150(1):45–9

Comparison of the behavior of stainless and mild steel manual metal arc welding fumes in rat lung. Kalliomäki PL, et al. **Scand J Work Environ Health** 1983 Apr;9(2 Spec No):176–80

[Application of a NiTi shape-memory alloy in double-cup prosthesis of hip] Dai KR. **Chung Hua Wai Ko Tsa Chih** 1983 Sep;21(9):540–1 (Eng. Abstr.) **(Chi)**

[Orthopedic application of a Ni-Ti shape-memory alloy compression staple] Dai KR. **Chung Hua Wai Ko Tsa Chih** 1983 Jun;21(6):343–5 (Eng. Abstr.) **(Chi)**

[Observation on adsptation of human body to titanium alloy] Zhang PD. **Chung Hua Wai Ko Tsa Chih** 1983 Jun; 21(6):346–7 (Eng. Abstr.) **(Chi)**

[Is fracture healing in the presence of biocompatible implant materials tantalum and niobium different in comparison to steel implants?] Rabenseifner L, et al. **Z Orthop** 1984 May–Jun;122(3):349–55 (Eng. Abstr.) **(Ger)**

[Shape memory alloys and their applications] Shimizu K. **Iyodenshi To Seitai Kogaku** 1983 Apr;21(2):67–72 **(Jpn)**

[Application of Ti-Ni shape memory alloys to the otorhinolaryngological field] Fujioka M, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1984 Apr;87(4):461–7 (Eng. Abstr.) **(Jpn)**

[Experimental study on the combined effect of noise and toxic aerosols encountered in electric steel production] Paran'ko NM, et al. **Gig Tr Prof Zabol** 1984 Feb;(2):49–51 **(Rus)**

ADVERSE EFFECTS

Nickel release from ear piercing kits and earrings. Fischer T, et al. **Contact Dermatitis** 1984 Jan;10(1):39–41

[Possible danger caused by chrome-nickel steel dust] Schellhas H. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1984 May;34(5):144–7 (Eng. Abstr.) **(Ger)**

TOXICITY

Pneumoconiotic effects of welding-fume particles from mild and stainless steel deposited in the lung of the rat. Hicks R, et al. **Arch Toxicol** 1984 Mar;55(1):1–10

[Beta 2 microglobulin in the urine of workers exposed to vapors of non-ferrous metals] Krajewska B, et al. **Pol Tyg Lek** 1983 Jul 25;38(30):925–8 (Eng. Abstr.) **(Pol)**

[Data on the hygienic establishment of the maximum permissible concentration of manganese-zinc ferrite in the atmosphere] Ermachenko TP, et al. **Gig Sanit** 1983 Jun; (6):13–5 (Eng. Abstr.) **(Rus)**

[Data on the comparative toxicity of aerosols formed during the welding of low- and high-alloy steel] Gorban' LN, et al. **Gig Tr Prof Zabol** 1984 May;(5):16–9 (Eng. Abstr.) **(Rus)**

ALLYL COMPOUNDS

ADVERSE EFFECTS

Chemical carcinogenesis. A soil fumigant, 1,3-dichloropropene, as possible cause of hematologic malignancies. Markovitz A, et al. **Arch Intern Med** 1984 Jul;144(7):1409–11

ANALYSIS

Mutagenic impurities in 1,3-dichloropropene preparations. Talcott RE, et al. **JNCI** 1984 May;72(5):1113–6

BLOOD

Determination of cis- and trans-1,3-dichloropropene in whole rat blood by gas chromatography and gas chromatography-chemical ionization mass spectrometry with selected ion monitoring. Kastl PE, et al. **J Chromatogr** 1983 Aug 19;265(2):277–83

Quantitative determination of allyl chloride (3-chloropropene) in rat blood by electron-capture gas chromatography and gas chromatography-mass spectrometry with selective ion monitoring. Kropscott BE, et al. **J Chromatogr** 1983 Oct 28;269(2):108–13

METABOLISM

Mechanisms of formation and reactions of electrophilic intermediates of halogenated olefins. Henschler D, et al. **Prog Clin Biol Res** 1983;132B:175–83

PHARMACODYNAMICS

Induction of unscheduled DNA synthesis in HeLa cells by allylic compounds. Schiffmann D, et al. **Cancer Lett** 1983 Oct;20(3):263–9

Effect of allitridi on platelet aggregation, a preliminary study. Yue ZS, et al. **J Tradit Chin Med** 1984 Mar;4(1):29–32

TOXICITY

Sensory irritation and pulmonary irritation by airborne allyl acetate, allyl alcohol, and allyl ether compared to acrolein. Nielsen GD, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Apr;54(4):292–8

Carcinogenesis in rats by asymmetric nitrosamines containing an allyl group. Lijinsky W, et al. **Cancer Lett** 1984 Apr; 22(3):281–8

The protective action of glutathione on the microbial mutagenicity of the Z- and E-isomers of 1,3-dichloropropene. Creedy CL, et al. **Chem Biol Interact** 1984 Jun;50(1):39–48

Teratologic evaluation of inhaled epichlorohydrin and allyl chloride in rats and rabbits. John JA, et al. **Fundam Appl Toxicol** 1983 Sep–Oct;3(5):437–42

ALLYLAMINE see under AMINES

ALLYLESTRENOL see under ESTRENES

ALLYLGLYCINE see under GLYCINE

ALLYLISOPROPYLACETAMIDE see under ACETAMIDES

ALLYLNORMORPHINE see NALORPHINE

ALOE see under PLANTS, MEDICINAL

ALOPECIA

Canada-Cronkhite syndrome in an 82-year-old woman. Jones AF, et al. **Am J Med** 1984 Sep;77(3):555–7

[Alopecia and vitamins (editorial)] Gilhar A, et al. **Harefuah** 1983 Feb 1;104(3):110–1 **(Heb)**

CHEMICALLY INDUCED

Drugs and alopecia. Blankenship ML. **Australas J Dermatol** 1983 Dec;24(3):100–4

Diffuse toxic alopecia due to thiacetazone. Gupta DK, et al. **Indian J Chest Dis Allied Sci** 1983 Jan–Mar;25:74–5

Selective alopecia with mitoxantrone [letter] Arlin ZA, et al. **N Engl J Med** 1984 May 31;310(22):1464

[Nature of the black zones in hair following ingestion of thallium] Kijewski H. **Arch Kriminol** 1984 Jan–Feb; 173(1–2):36–44 (Eng. Abstr.) **(Ger)**

[Cytostatic-induced hair loss. Prevention or hair replacement?] Kiser J, et al. **Praxis** 1983 Oct 11; 72(41):1289–92 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Follicular mucinosis developing into cutaneous lymphoma. Report of two cases and review of literature and 64 cases in Japan. Kanno S, et al. **Acta Derm Venereol (Stockh)** 1984; 64(1):86–8

Syringolymphoid hyperplasia with alopecia. Vakilzadeh F, et al. **Br J Dermatol** 1984 Jan;110(1):95–101

[Syringolymphoid hyperplasia with alopecia] Vakilzadeh F. **Z Hautkr** 1984 Jul 15;59(14):962–8 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Spontaneous improvement of Cronkhite-Canada syndrome in a postpartum female. Peart AG Jr, et al. **Dig Dis Sci** 1984 May;29(5):470–4

DRUG THERAPY

PUVA treatment of alopecia totalis. Larkö O, et al. **Acta Derm Venereol (Stockh)** 1983;63(6):546–9

Topical minoxidil in the treatment of alopecia areata [letter] King CM, et al. **Br Med J [Clin Res]** 1983 Nov 5; 287(6402):1380

Effective medical treatment of common baldness in women. Mortimer CH, et al. **Clin Exp Dermatol** 1984 Jul; 9(4):342–50

ETIOLOGY

Telogen effluvium after anesthesia and surgery. Desai SP, et al. **Anesth Analg** 1984 Jan;63(1):83–4

Telogen effluvium: hair loss after spinal cord injury. Dahlin PA, et al. **Arch Phys Med Rehabil** 1984 Aug;65(8):485–6

Androgens and the pilosebaceous follicle in women: technology catches up with the clinician. Arundell FD. **Cleve Clin Q** 1983 Summer;50(2):55–6

Adrenal androgenic female-pattern alopecia: sex hormones and the balding woman. Kasick JM, et al. **Cleve Clin Q** 1983 Summer;50(2):111–22

Alopecia ichthyotica. A characteristic feature of congenital ichthyosis. Traupe H, et al. **Dermatologica** 1983; 167(5):225–30

Alopecia totalis as a presentation of cutaneous metastasis (alopecia neoplastica). Martin J, et al. **Int J Dermatol** 1983 Oct;22(8):487–9

Ophthalmologic oncology: alopecia of the eyelashes. Giovinazzo VJ, et al. **J Dermatol Surg Oncol** 1984 Mar; 10(3):182–5

Cancer, cancer therapy, and hair [editorial] **Lancet** 1983 Nov 19;2(8360):1177–8

Postpartum alopecia and zinc [letter] White J. **Med J Aust** 1984 Feb 4;140(3):182

Postoperative alopecia in a woman after a lengthy plastic surgical procedure. Kosanin RM, et al. **Plast Reconstr Surg** 1984 Feb;73(2):308–9

[A case of stress-induced universal alopecia (letter)] Vallecorsi G. **Minerva Med** 1983 Sep 22;74(36):2113 **(Ita)**

[Association of HLA-B18 antigen with various forms of alopecia] Minev M, et al. **Vestn Dermatol Venerol** 1983 Dec;(12):34–6 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

[How are the Blaschko lines arranged on the scalp?] Happle R, et al. **Hautarzt** 1984 Jul;35(7):366–9 (Eng. Abstr.) **(Ger)**

[Trichorhinophalangeal syndrome type I] Láng K, et al. **Orv Hetil** 1983 Sep 4;124(36):2183–5 (Eng. Abstr.) **(Hun)**

HISTORY

Jan Vermeer and his alopecic models. Dotz W. **Am J Dermatopathol** 1983 Jun;5(3):245–8

METABOLISM

Sex hormone-binding globulin and saliva testosterone levels in men with androgenetic alopecia. Cipriani R, et al.

Br J Dermatol 1983 Sep;109(3):249–52

1,25-dihydroxyvitamin D resistance, rickets, and alopecia: analysis of receptors and bioresponse in cultured fibroblasts from patients and parents. Chen TL, et al. **J Clin Endocrinol Metab** 1984 Sep;59(3):383–8

Hereditary resistance to 1,25-dihydroxyvitamin D: defective function of receptors for 1,25-dihydroxyvitamin D in cells cultured from bone. Liberman UA, et al. **J Clin Endocrinol Metab** 1983 Nov;57(5):958–62

PATHOLOGY

Clinical and scanning electron microscopic findings in a solitary case of Trichorhinophalangeal syndrome type I. Prens EP, et al. **Acta Derm Venereol (Stockh)** 1984; 64(3):249–53

Alopecia mucinosa. Report of a case with diffuse alopecia and normal-appearing scalp skin. Snyder RA, et al. **Arch Dermatol** 1984 Apr;120(4):496–8

The unit area trichogram in the assessment of androgen-dependent alopecia. Rushton H, et al. **Br J Dermatol** 1983 Oct;109(4):429–37

Eyelid cysts, hypodontia, and hypotrichosis. Burket JM, et al. **J Am Acad Dermatol** 1984 May;10(5 Pt 2):922–5

Follicular mucinosis: a detailed morphologic and ..mmunopathologic study. Lancer HA, et al. **J Am Acad Dermatol** 1984 May;10(5 Pt 1):760–8

Immunohistochemical and electron microscopic characterization of the cellular infiltrate in alopecia (areata, totalis, and universalis). Ranki A, et al. **J Invest Dermatol** 1984 Jul;83(1):7–11

PREVENTION & CONTROL

An improved 'ice-cap' to prevent alopecia caused by adriamycin (doxorubicin). Howard N, et al. **Br J Radiol** 1983 Dec;56(672):963–4

The use of scalp hypothermia in the prevention of doxorubicin-induced hair loss. Satterwhite B, et al. **Cancer** 1984 Jul 1;54(1):34–7

Scalp hypothermia: a comparison of ice packs and the Kold Kap in the prevention of doxorubicin-induced alopecia. Dean JC, et al. **J Clin Oncol** 1983 Jan;1(1):33–7

Post-partum alopecia and zinc [letter] Carruthers R. **Med J Aust** 1983 Sep 17;2(6):259

Scalp cooling and cytotoxic drugs [letter] Dixon-Hughes J, et al. **Med J Aust** 1984 May 26;140(11):686

[Prevention of alopecia caused by anti-mitotic agents] Abbasciano V. **Clin Ter** 1983 Dec 15;107(5):411–5 (Eng. Abstr.) **(Ita)**

[Protective effects of coenzyme Q10 on the adverse reactions of anthracycline antibiotics: using double blind method—with special reference to hair loss] Akihama T, et al. **Gan To Kagaku Ryoho** 1983 Oct;10(10):2125–9 (Eng. Abstr.) **(Jpn)**

[Prevention of hair loss during cancer chemotherapy] Jarczewska M, et al. **Pol Tyg Lek** 1984 Feb 6;39(6):205–6 **(Pol)**

PSYCHOLOGY

[Stress, distress and alopecia. Study of 60 personal observations] Dugas M, et al. **Acta Paedopsychiatr (Basel)** 1983 Oct;49(5):221–37 (Eng. Abstr.) **(Fre)**

SURGERY

Cosmetic correction of alopecia. McCray MK, et al. **Am Fam Physician** 1983 Oct;28(4):207–14

Baldness surgery—reduction versus flap. Uebel CO. **Handchir Mikrochir Plast Chir** 1983 Dec;15(4):250–3

Hair transplantation review [letter] Chrisman BB. **J Dermatol Surg Oncol** 1984 Jan;10(1):9

Complications of scalp reductions. Norwood OT, et al. **J Dermatol Surg Oncol** 1983 Oct;9(10):828–35

A new method of donor site harvesting. Unger WP. **J Dermatol Surg Oncol** 1984 Jul;10(7):524–9

Sideburn reconstruction for posthythidectomy deformity. Fodor PB, et al. **Plast Reconstr Surg** 1984 Sep;74(3):430–4

'Stretch-back' in scalp reductions for male pattern baldness. Nordström RE. **Plast Reconstr Surg** 1984 Mar;73(3):422–6

Methods to improve old results of punch hair grafting. Nordström RE. **Plast Reconstr Surg** 1983 Dec;72(6):803–9

[Proposal for a topographical approach to hair transplantation and scalp reduction] Blanchard G, et al. **Ann Chir Plast Esthet** 1984;29(2):152–61 (Eng. Abstr.) **(Fre)**

[Therapeutic strategy in the repair of temporoparietal alopecia: value of the median or paramedian sagittal flap. Apropos of 6 cases] Mitz V, et al. **Ann Chir Plast Esthet** 1984;29(1):48–52 (Eng. Abstr.) **(Fre)**

[Reflections on 7 years' use of the inserted flap] Nataf J. **Ann Chir Plast Esthet** 1984;29(1):53–7 (Eng. Abstr.) **(Fre)**

[Precise topographic guide for hair transplants based on linear measurements] Blanchard G, et al. **Union Med Can** 1983 Aug;112(8):732–6, 740 (Eng. Abstr.) **(Fre)**

THERAPY

[Status of the microcirculation of the skin in patients undergoing reflexotherapy for alopecia] Abramov SN, et al. **Vestn Dermatol Venerol** 1984 Jan;(1):60–3 (Eng. Abstr.) **(Rus)**

VETERINARY

Suspected cutaneous iodism in a horse. Fadok VA, et al. **J Am Vet Med Assoc** 1983 Nov 15;183(10):1104–6

Congenital hypotrichosis in two dogs. Kunkle GA. **J Am Vet Med Assoc** 1984 Jul 1;185(1):84–5

Trichodectes canis on the gray wolf and coyote on Kenai Peninsula, Alaska. Schwartz CC, et al. **J Wildl Dis** 1983 Oct;19(4):372–3

Further studies of congenital hypotrichosis in Hereford cattle. Bracho GA, et al. **Zentralbl Veterinarmed [A]** 1984 Feb;31(1):72–80

ALOPECIA AREATA

CHEMICALLY INDUCED

[Nitrofurantoin therapy a cause of temporary hair loss] **Lakartidningen** 1983 Oct 26;80(43):4040 **(Swe)**

DRUG THERAPY

PUVA treatment of alopecia areata. Claudy AL, et al. **Arch Dermatol** 1983 Dec;119(12):975–8

Treatment of alopecia areata profiting from 'natural' allergy to nickel [letter] Suárez Martín E. **Arch Dermatol** 1984 Sep; 120(9):1138–9

Alopecia areata treated with topical minoxidil. Weiss VC, et al. **Arch Dermatol** 1984 Apr;120(4):457–63

Topical minoxidil in the treatment of alopecia areata [letter] **Br Med J [Clin Res]** 1984 Apr 7;288(6423):1087

Topical minoxidil in the treatment of alopecia areata. Fenton DA, et al. **Br Med J [Clin Res]** 1983 Oct 8;287(6398):1015–7

Topical minoxidil in the treatment of alopecia areata [letter] King CM, et al. **Br Med J [Clin Res]** 1983 Nov 5; 287(6402):1380

Topical minoxidil in the treatment of alopecia areata [letter] Maitland JM, et al. **Br Med J [Clin Res]** 1984 Mar 10; 288(6419):794

Clinical experience on the treatment of alopecia areata with squaric acid dibutyl ester. Giannetti A, et al. **Dermatologica** 1983;167(5):280–2

An evaluation of PUVA-therapy for alopecia areata. van der Schaar WW, et al. **Dermatologica** 1984;168(5):250–2

[Zinc therapy of alopecia areata] Sönnichsen N, et al. **Dermatol Monatsschr** 1984;170(7):437–42 (Eng. Abstr.) **(Ger)**

[Dinitrochlorobenzene in the therapy of alopecia areata. Our clinical experience] Tosti A, et al. **G Ital Dermatol Venereol** 1984 Mar-Apr;119(2):131–4 (Eng. Abstr.) **(Ita)**

[Evaluation of the therapeutic effect of DNBC-induced contact dermatitis in alopecia areata] Broniarczyk-Dyła G, et al. **Przegl Dermatol** 1983 Sep-Dec;70(5–6):557–61 (Eng. Abstr.) **(Pol)**

[Experience with the use of photochemotherapy in the treatment of alopecia] Marzeeva GI, et al. **Vestn Dermatol Venerol** 1984 Jan;(1):4–8 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Alopecia areata in an area of hair transplantation [letter] Frankel EB. **Arch Dermatol** 1984 Apr;120(4):435

Alopecia areata: a clinical study. De Weert J, et al. **Dermatologica** 1984;168(5):224–9

[Stressful events and alopecia areata] Veller Fornasa C, et al. **G Ital Dermatol Venereol** 1982 Jul-Aug;117(4):211–2 (Eng. Abstr.) **(Ita)**

[Anxiety pattern in patients with alopecia areata, rosacea and lichen planus] Puchalski Z. **Przegl Dermatol** 1983 Sep-Dec; 70(5–6):521–6 (Eng. Abstr.) **(Pol)**

FAMILIAL & GENETIC

Familial alopecia areata. HLA antigens and autoantibody formation in an American family. Hordinsky MK, et al. **Arch Dermatol** 1984 Apr;120(4):464–8

Alopecia universalis in identical twins. Cole GW, et al. **Int J Dermatol** 1984 May;23(4):283

IMMUNOLOGY

Immunohistochemical analysis of T-cell subsets in the peribulbar and intrabulbar infiltrates of alopecia areata. Perret C, et al. **Acta Derm Venereol (Stockh)** 1984; 64(1):26–30

Suppressor cell number and function in alopecia areata. Hordinsky MK, et al. **Arch Dermatol** 1984 Feb; 120(2):188–94

Immunological profiles in alopecia areata. Galbraith GM, et al. **Br J Dermatol** 1984 Feb;110(2):163–70

Increased ratio of helper to suppressor T cells in alopecia areata. Majewski BB, et al. **Br J Dermatol** 1984 Feb; 110(2):171–5

Autoantibodies in alopecia areata [letter] Zauli D, et al. **Br J Dermatol** 1984 Aug;111(2):247

Gm allotype associated resistance and susceptibility to alopecia areata. Galbraith GM, et al. **Clin Exp Immunol** 1984 Apr;56(1):149–52

Alopecia areata—an autoimmune disease? [editorial] **Lancet** 1984 Jun 16;1(8390):1335–6

Alopecia areata: a heterogeneous disease? [letter] Betterle C, et al. **Lancet** 1984 Sep 15;2(8403):635

Expression of HLA-DR in hair follicles in alopecia areata [letter] Messenger AG, et al. **Lancet** 1984 Aug 4; 2(8397):287–8

[Alopecia areata in children] Trevisan G, et al. **G Ital Dermatol Venereol** 1983 Sep-Oct;118(5):283–8 (Eng. Abstr.) **(Ita)**

PATHOLOGY

Alopecia areata: light and electron microscopic pathology of the regrowing white hair. Messenger AG, et al. **Br J Dermatol** 1984 Feb;110(2):155–62

[Clinical and electron microscopy study of alopecia areata] Tonkin N, et al. **Vestn Dermatol Venerol** 1984 May; (5):17–20 **(Rus)**

PHYSIOPATHOLOGY

Subcutaneous blood flow in alopecia areata. Klemp P, et al. **Clin Exp Dermatol** 1984 Mar;9(2):181–5

PSYCHOLOGY

Life events and alopecia areata. Perini GI, et al. **Psychother Psychosom** 1984;41(1):48–52

[Psychosomatic aspects in patients with alopecia areata, rosacea and lichen ruber planus] Puchalski Z. **Z Hautkr** 1983 Nov 15;58(22):1648–54 (Eng. Abstr.) **(Ger)**

[Symptom questionnaire and alopecia areata] Cipriani R, et al. **G Ital Dermatol Venereol** 1983 Sep-Oct;118(5):281–2 (Eng. Abstr.) **(Ita)**

[Various personality characteristics in patients with alopecia areata, rosacea and lichen planus] Puchalski Z, et al. **Przegl Dermatol** 1983 Sep-Dec;70(5–6):515–9 (Eng. Abstr.) **(Pol)**

THERAPY

Topical therapy of alopecia areata with squaric acid dibutylester. Case PC, et al. **J Am Acad Dermatol** 1984 Mar;10(3):447–50

[Use of diadynamic currents in alopecia areata] Sergeev SIa, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 Sep-Oct; (5):53–4 **(Rus)**

[Pathogenesis and treatment of alopecia areata] Karadaglić D, et al. **Vojnosanit Pregl** 1983 Jul-Aug;40(4):282–5 **(Scr)**

ALOPECIA MUCINOSA see under **ALOPECIA**

ALOUATTA see under **CEBIDAE**

ALPHA 1-ACID GLYCOPROTEIN see **OROSOMUCOID**

ALPHA 1-ACID SEROMUCOID see **OROSOMUCOID**

ALPHA 2-ACUTE PHASE GLOBULINS see **ALPHA MACROGLOBULINS**

ALPHA ADRENERGIC RECEPTOR AGONISTS see **ADRENERGIC ALPHA RECEPTOR AGONISTS**

ALPHA ADRENERGIC RECEPTOR BLOCKADERS see **ADRENERGIC ALPHA RECEPTOR BLOCKADERS**

ALPHA ADRENERGIC RECEPTORS see **RECEPTORS, ADRENERGIC, ALPHA**

ALPHA-AMYLASE

Structure and possible catalytic residues of Taka-amylase A. Matsuura Y, et al. **J Biochem (Tokyo)** 1984 Mar; 95(3):697–702

ANALYSIS

Determination of amylase by measurement of enzymatic activity and by enzyme immunoassay and radioimmunoassay. Sobiech KA, et al. **Arch Immunol Ther Exp (Warsz)** 1983;31(6):845–8

Evaluation of alpha-amylase assays with 4-nitrophenyl-alpha-oligosaccharides as substrates. Lorentz K. **J Clin Chem Clin Biochem** 1983 Jul;21(7):463–71

Vapor fixation for immunocytochemistry and X-ray microanalysis on cryoultramicrotome sections. Frederik PM, et al. **J Histochem Cytochem** 1984 Jun;32(6):636–42

Characterisation of chicken pancreas alpha-amylase isozymes and interaction with protein inhibitors from wheat kernel. Buonocore V, et al. **J Sci Food Agric** 1984 Feb;35(2):225–32

[Detection of saliva traces using test strips] Tröger HD, et al. **Forensic Sci Int** 1984 Jun;25(2):143–6 (Eng. Abstr.) **(Ger)**

[Comparative evaluation of a new method for the determination of alpha-amylase] Celadin M, et al. **Quad Sclavo Diagn** 1983 Sep;19(3):322–9 (Eng. Abstr.) **(Ita)**

ANTAGONISTS & INHIBITORS

Effects of a commercial starch blocker preparation on carbohydrate digestion and absorption: in vivo and in vitro studies. Hollenbeck CB, et al. **Am J Clin Nutr** 1983 Oct; 38(4):498–503

Continuous-flow determination of an alpha-amylase inactivator in fermentation samples using a ferricyanide

reagent. Bender R, et al. **Anal Biochem** 1984 Mar; 137(2):307–12
Interaction of wheat monomeric and dimeric protein inhibitors with alpha-amylase from yellow mealworm (Tenebrio molitor L. larva). Buonocore V, et al. **Biochem J** 1980 Jun 1;187(3):637–45
Some aspects of the mechanism of complexation of red kidney bean alpha-amylase inhibitor and alpha-amylase. Wilcox ER, et al. **Biochemistry** 1984 Apr 10;23(8):1783–91
Effects of tendamistate (alpha-amylase inactivator) on starch metabolism. Meyer BH, et al. **Br J Clin Pharmacol** 1983 Aug;16(2):145–8
A commercially available S-type amylase inhibitor evaluated for determination of amylase isoenzymes in serum. Tietz NW, et al. **Clin Chem** 1984 Jul;30(7):1227–8
The effect of a new specific alpha-amylase inhibitor on post-prandial glucose and insulin excursions in normal subjects and Type 2 (non-insulin-dependent) diabetic patients. Eichler HG, et al. **Diabetologia** 1984 Apr; 26(4):275–81
Tendamistat (HOE 467), a tight-binding alpha-amylase inhibitor from Streptomyces tendae 4158. Isolation, biochemical properties. Vértesy L, et al. **Eur J Biochem** 1984 Jun 15;141(3):505–12
A study of 'starch blockers' in man using 13C-enriched starch as a tracer. Garrow JS, et al. **Hum Nutr Clin Nutr** 1983 Jul;37(4):301–5
Natural plant enzyme inhibitors: purification & properties of an alpha-amylase inhibitor from bajra (Pennisetum typhoideum). Chandrasekher G, et al. **Indian J Biochem Biophys** 1983 Aug;20(4):241–5
Effect of drugs on the activity of fungal limit dextrinase & alpha-amylase. Bandyopadhyay AK, et al. **Indian J Med Res** 1983 Aug;78:284–6
New alpha-amylase inhibitor, trestatins. IV. Taxonomy of the producing strains and fermentation of trestatin A. Watanabe K, et al. **J Antibiot (Tokyo)** 1984 May; 37(5):479–86
New alpha-amylase inhibitor, trestatins. III. Structure determination of new trestatin components Ro 09–0766, Ro 09–0767 and Ro 09–0768. Yokose K, et al. **J Antibiot (Tokyo)** 1984 Feb;37(2):182–6
New alpha-amylase inhibitor, trestatins. II. Structure determination of trestatins A, B and C. Yokose K, et al. **J Antibiot (Tokyo)** 1983 Sep;36(9):1166–75
New alpha-amylase inhibitor, trestatins. I. Isolation, characterization and biological activities of trestatins A, B and C. Yokose K, et al. **J Antibiot (Tokyo)** 1983 Sep; 36(9):1157–65
Disulfide bridges in an alpha-amylase inhibitor from wheat kernel. Maeda K, et al. **J Biochem (Tokyo)** 1983 Sep; 94(3):865–70
Effects of tendamistate (an alpha-amylase inactivator), guar and placebo on starch metabolism. Meyer BH, et al. **S Afr Med J** 1984 Aug 11;66(6):222–3
Effects of tendamistate on postprandial plasma glucose, free fatty acid and triglyceride levels. Meyer BH, et al. **S Afr Med J** 1984 Aug 11;66(6):224–5
Pharmacodynamics and tolerability of low doses of tendamistate given with starch. Meyer BH, et al. **S Afr Med J** 1984 Feb 25;65(8):287–8
Bacterial alpha-amylase inhibitors. Safwat MS, et al. **Zentralbl Mikrobiol** 1983;138(2):145–50
[Soluble and bound amylase inhibitors in guar and other dietary roughage] Hansen WE, et al. **Beitr Infusionther Klinis Ernahr** 1983;12:144–50 **(Ger)**
[The primary structure of the alpha-amylase inhibitor Hoe 467A from Streptomyces tendae 4158. A new class of inhibitors] Aschauer H, et al. **Hoppe Seylers Z Physiol Chem** 1983 Oct;364(10):1347–56 (Eng. Abstr.) **(Ger)**

BIOSYNTHESIS

Biosynthesis and secretion of alpha-amylase and other hydrolases in germinating cereal seeds. Akazawa T, et al. **Essays Biochem** 1982;18:40–78 (143 ref.)
Kinetics of alpha-amylase production in a continuous culture of Bacillus licheniformis. Votruba J, et al. **Folia Microbiol (Praha)** 1984;29(1):19–22
Production of amylase by Aspergillus foetidus on rice flour medium and characterization of the enzyme. Michelena VV, et al. **J Appl Bacteriol** 1984 Jun;56(3):395–407
Correlation between alpha-amylase production and sporulation in Bacillus licheniformis CUMC 305 with respect to the effect of some carbohydrates and phenylmethylsulfonyl fluoride treatment. Krishnan T, et al. **Zentralbl Mikrobiol** 1983;138(6):475–85
[Regulation of alpha-amylase biosynthesis in an Aspergillus oryzae 3000 strain based on the principle of feedback from the level of the active enzyme] Angelova M, et al. **Acta Microbiol Bulg** 1983;13:91–7 (Eng. Abstr.) **(Bul)**
[Effect of the physiological conditions on alpha-amylase and glucoamylase formation by a selected strain of Aspergillus oryzae] Kassim EA. **Mikrobiologiia** 1983 May–Jun; 52(3):422–7 (Eng. Abstr.) **(Rus)**

BLOOD

Development of an agarose gel electrophoresis technique for determining alpha-amylase isoenzymes. Royse VL, et al. **Clin Chem** 1984 Mar;30(3):387–90
Serum trypsin, alpha-amylase and lipase during bombesin stimulation in normal subjects and patients with pancreatic insufficiency. Hafkenscheid JC, et al. **Clin Chim Acta** 1984 Jan 31;136(2–3):235–40
Differential assay of human pancreatic and salivary alpha-amylases in serum using a new fluorogenic substrate. Omichi K, et al. **Clin Chim Acta** 1984 Apr 13; 138(2):197–203
Serum lipase response to cerulein secretin stimulation test in patients with pancreas-associated diseases as measured by sensitive colorimetric assay (a BALB–DTNB method). Kitamura T, et al. **Dig Dis Sci** 1984 Jul;29(7):600–5
Serum amylase and isoamylase assay on the Hitachi 705 automatic clinical chemical analyzer. Parviainen MT, et al. **J Clin Chem Clin Biochem** 1984 Jan;22(1):41–5
Pancreatic secretory proteins in sera from rats before and after induction of experimental pancreatitis. Marks WH, et al. **Scand J Gastroenterol** 1984 Jun;19(4):552–60
[Methods of serum enzyme determination and its clinical significance: alpha-amylase] Gemba T. **Rinsho Byori** 1983 Jun;Suppl 55:44–60 **(Jpn)**
[Determination of blood serum alpha-amylase isoenzymes in pancreatic operations] Blagovidov DF, et al. **Sov Med** 1984;(6):85–8 **(Rus)**

GENETICS

Cloning in Bacillus subtilis of an extremely thermostable alpha amylase: comparison with other cloned heatstable alpha amylases. Piggott RP, et al. **Biochem Biophys Res Commun** 1984 Jul 18;122(1):175–83
Sequences of cDNAs for human salivary and pancreatic alpha-amylases. Nakamura Y, et al. **Gene** 1984 May; 28(2):263–70
Molecular cloning in Bacillus subtilis of a Bacillus licheniformis gene encoding a thermostable alpha amylase. Ortlepp SA, et al. **Gene** 1983 Sep;23(3):267–76
Genetic mechanism for tissue-specific control of alpha-amylase expression in Drosophila melanogaster. Doane WW, et al. **Isozymes Curr Top Biol Med Res** 1983; 9:63–90
Nucleotide sequence of the 5' region of the Bacillus licheniformis alpha-amylase gene: comparison with the B. amyloliquefaciens gene. Stephens MA, et al. **J Bacteriol** 1984 Apr;158(1):369–72
Alpha-amylase genes (amyR2 and amyE+) from an alpha-amylase-hyperproducing Bacillus subtilis strain: molecular cloning and nucleotide sequences. Yamazaki H, et al. **J Bacteriol** 1983 Oct;156(1):327–37
A Bacillus subtilis secretion vector system derived from the B. subtilis alpha-amylase promoter and signal sequence region, and secretion of Escherichia coli beta-lactamase by the vector system. Ohmura K, et al. **J Biochem (Tokyo)** 1984 Jan;95(1):87–93
Genetic variants found in plasma alpha-amylase and erythrocyte carbonic anhydrase in the musk shrew (Suncus murinus). Iseki R, et al. **Jikken Dobutsu** 1984 Jan;33(1):91–5
Cloning and expression of a thermophilic alpha-amylase gene from Bacillus stearothermophilus in Escherichia coli. Tsukagoshi N, et al. **MGG** 1984;193(1):58–63
Length and structural effect of signal peptides derived from Bacillus subtilis alpha-amylase on secretion of Escherichia coli beta-lactamase in B. subtilis cells. Ohmura K, et al. **Nucleic Acids Res** 1984 Jul 11;12(13):5307–19
Regional assignment of human amylase (AMY) to p22——p21 of chromosome 1. Tricoli JV, et al. **Somatic Cell Mol Genet** 1984 Mar;10(2):205–10

IMMUNOLOGY

Effects of saliva and alpha-amylase on antibiotic sensitivity of bacteria. Eke PI, et al. **Afr J Med Med Sci** 1984 Mar–Jun; 13(1–2):15–20
Isoelectric focusing of the inbred mouse antibody to bacterial alpha-amylase. Nakashima S, et al. **J Biochem (Tokyo)** 1983 Dec;94(6):1723–30
[Enzymes are the allergenic components of inhaled pancreatin] Baur X, et al. **Dtsch Med Wochenschr** 1984 Feb 17;109(7):257–60 (Eng. Abstr.) **(Ger)**

ISOLATION & PURIFICATION

Isolation and properties of alpha-amylase from perienteric fluid of Ascaris suum. Zenka J, et al. **Folia Parasitol (Praha)** 1984;31(2):183–6

METABOLISM

Development of salivary alpha-amylase in infants from birth to 5 months. Sevenhuysen GP, et al. **Am J Clin Nutr** 1984 Apr;39(4):584–8
Isolation of stable pancreatic zymogen granules. De Lisle RC, et al. **Am J Physiol** 1984 Apr;246(4 Pt 1):G411–8
The binding of human salivary alpha-amylase by oral strains of streptococcal bacteria. Douglas CW. **Arch Oral Biol** 1983;28(7):567–73
Subsite profile of the active center of porcine pancreatic alpha-amylase. Kinetic studies using maltooligosaccharides as substrates. Prodanov E, et al. **Biochem Biophys Res Commun** 1984 Jul 18;122(1):75–81
Actions of porcine pancreatic and Bacillus subtilis alpha-amylases and Aspergillus niger glucoamylase on phosphorylated (1—4)-alpha-D-glucan. Takeda Y, et al. **Biochim Biophys Acta** 1983 Dec 28;749(3):302–11
Most-probable distribution at enzyme depolymerization of polysaccharides. Mazur AK. **Biopolymers** 1984 May; 23(5):859–76
Effect of cholinergic stimulation on the distribution of amylase activity. Miyasaka K, et al. **Bull Tokyo Med Dent Univ** 1983 Sep;30(3):47–54
Kinetics of human pancreatic and salivary alpha-amylases with carboxymethylamyloses as substrates. Satomura S, et al. **Clin Chim Acta** 1984 Mar 27;138(1):21–9
Cigarette smoking and salivary amylase activity [letter] Callegari C, et al. **Gut** 1984 Aug;25(8):909
Glucose absorption from starch hydrolysates in the human jejunum. Jones BJ, et al. **Gut** 1983 Dec;24(12):1152–60
Continuous production of maltooligosaccharides from glucose 1-phosphate by amylase-phosphorylase reactor. Nakatani H, et al. **J Appl Biochem** 1983 Dec;5(6):371–4
Beta-thiomaltosides as active site probes for alpha-amylase. Stankiewicz PJ, et al. **J Appl Biochem** 1983 Dec;5(6):388–98
Difference in transglycosylation between human pancreatic and salivary alpha-amylases. Omichi K, et al. **J Biochem (Tokyo)** 1983 Dec;94(6):1797–802
High alpha-amylase activity in the syncytiotrophoblastic cells of first-trimester human placentas. Fisher SJ, et al. **J Cell Biochem** 1983;22(1):47–54
Measurement of microbial alpha-amylases with p-nitrophenyl glycosides as the substrate complex. Trepeta RW, et al. **J Clin Microbiol** 1984 Jan;19(1):60–2
Alpha-amylase activity in supragingival dental plaque in humans. Fiehn NE, et al. **Scand J Dent Res** 1983 Oct; 91(5):365–70
[Reversibility of the acid inactivation of immobilized alpha-amylase] Iurchenko VS, et al. **Prikl Biokhim Mikrobiol** 1983 Jul–Aug;19(4):528–32 (Eng. Abstr.) **(Rus)**
[Enzymic segregation of segmented polyurethanes containing sugar residues in the composition of the main chain] Lipatova TE, et al. **Ukr Biokhim Zh** 1983 Sep–Oct; 55(5):539–43 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Amylase inhibits Neisseria gonorrhoeae by degrading starch in the growth medium. Gregory MR, et al. **J Clin Microbiol** 1983 Dec;18(6):1366–9

SECRETION

Regulation of digestion. I. Effects of glucose and lysine on pancreatic secretion. Grendell JH, et al. **Am J Physiol** 1984 Apr;246(4 Pt 1):G445–50
Amylase secretion by isolated pancreatic acini after acute cholecystokinin treatment in vivo. Otsuki M, et al. **Am J Physiol** 1984 Apr;246(4 Pt 1):G419–25

URINE

[Bedside diagnosis of pancreatitis using the urinary amylase test tape. Preliminary results] Heer M, et al. **Schweiz Med Wochenschr** 1983 Dec 24;113(51):1950–2 (Eng. Abstr.) **(Ger)**

ALPHA 1-ANTITRYPSIN

Sequence homology between human alpha 1-antichymotrypsin, alpha 1-antitrypsin, and antithrombin III. Chandra T, et al. **Biochemistry** 1983 Oct 25; 22(22):5055–61
The oligosaccharides of human alpha 1-antitrypsin. Hercz A. **Can J Biochem Cell Biol** 1984 Jan;62(1):19–27
The microheterogeneities of thyroxine-binding globulin and alpha 1 protease inhibitor (alpha 1-antitrypsin) are interrelated. Beilby JP, et al. **Clin Chim Acta** 1983 Sep 15; 133(1):51–63
[Alpha 1-antitrypsin and Down's syndrome] Li Volti S, et al. **Pediatria (Napoli)** 1983 Jun–Sep;91(2–3):179–83 (Eng. Abstr.) **(Ita)**

ANALYSIS

Sequential determination of CRP, alpha 1-antitrypsin and haptoglobin in neonatal septicaemia. Speer C, et al. **Acta Paediatr Scand** 1983 Sep;72(5):679–83
Differentiating atopic patients by means of alpha 1-antitrypsin phenotypes. Monteseirin Mateo FJ, et al. **Allergol Immunopathol (Madr)** 1984 Mar–Apr;12(2):111–4
Alpha-1-antitrypsin hematoxylin and eosin fluorescence: a rapid, useful screening technic. Dervan PA. **Am J Clin Pathol** 1984 Aug;82(2):188–90
Alpha 1-antitrypsin levels and phenotypes and hepatitis B serology in liver cancer. Sparos L, et al. **Br J Cancer** 1984 May;49(5):567–70
Immunoassay of serum alpha-1 antitrypsin level in uveitis. Gupta AK, et al. **Br J Ophthalmol** 1984 Apr;68(4):242–4
Preparation and examination of the oligosaccharides of serum alpha 1-antitrypsin PiZ. Hercz A. **Can J Biochem Cell Biol** 1984 May;62(5):288–90
Assay of serum A1-antitrypsin activity for the diagnosis of primary hepato-cellular carcinoma. Xu SK, et al. **Chin Med J [Engl]** 1983 Aug;96(8):607–10
Re-evaluation of the proposed interrelationship between thyroxine-binding globulin (TBG) and alpha1-antitrypsin (PI). Kamboh MI, et al. **Clin Chim Acta** 1984 May 16; 139(1):65–73
Alpha-1-antitrypsin from mouse serum isolation and characterization. Minnich M, et al. **Comp Biochem Physiol [B]** 1984;78(2):413–9

Alpha 1-antitrypsin serum concentration and phenotypes in ulcerative colitis. Biemond I, et al. **Digestion** 1984; 29(2):124–8

Demonstration of alpha 1-antitrypsin in yet another neoplasm [letter] Silva FG, et al. **Hum Pathol** 1984 May;15(5):494–5

Serial estimation of alpha-1-antitrypsin in active pulmonary tuberculosis. Chawhan RN, et al. **Indian J Med Res** 1984 Feb;79:187–90

Alpha 1-antitrypsin and alpha 1-antichymotrypsin in cutaneous histiocytic lesions and a comparison with lysozyme antibody staining [letter] Adriaans B, et al. **J Am Acad Dermatol** 1984 Apr;10(4):673–4

Maternal serum alpha 1-antitrypsin concentrations in normotensive and hypertensive pregnancies. Legge M, et al. **J Clin Pathol** 1984 Aug;37(8):867–9

Milk trypsin-inhibitor capacity as an indicator of bovine mastitis—a novel principle which can be automated. Sandholm M, et al. **J Dairy Res** 1984 Feb;51(1):1–9

Fecal alpha 1-antitrypsin excretion in young people with Crohn's disease. Thomas DW, et al. **J Pediatr Gastroenterol Nutr** 1983;2(3):491–6

Controversy about alpha 1-antitrypsin in bronchoalveolar lavage fluids [letter] Stockley RA, et al. **Lancet** 1983 Dec 3;2(8362):1311

Study of alpha one antitrypsin activity in lepra reaction. Sengupta SR, et al. **Lepr India** 1983 Apr;55(2):242–6

Pulmonary function and concentrations of alpha 1-antitrypsin and immunoglobulin E in workers exposed to pancreatic enzymes. Sjögren B, et al. **Scand J Work Environ Health** 1983 Oct;9(5):385–90

Conformational differences between mouse contrapsin and alpha-1-antitrypsin as studied by ultraviolet absorption and circular dichroism spectroscopy. Takahara H, et al. **Tohoku J Exp Med** 1984 Mar;142(3):261–73

An immunocytochemical study of the distribution of lysozyme, a1-antitrypsin and a1-antichymotrypsin in the normal and pathological gall bladder. Aroni K, et al. **Virchows Arch** [A] 1984;403(3):281–9

A case of liver cirrhosis with alpha-1-antitrypsin globules and hepatitis B surface antigen seropositivity. Bartók I, et al. **Zentralbl Allg Pathol** 1984;129(2):111–7

[A comparative study on elastase activity of polymorphonuclear neutrophils in normal persons and in emphysematous patients with normal alpha 1-antitrypsin activity] Peng QM. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1983 Oct;6(5):278–9 (Eng. Abstr.) **(Chi)**

[Analysis of the results of alpha-antitrypsin determination in 108 patients with emphysema] Weng XZ. **Chung Hua I Hsueh Tsa Chih** 1983 Apr;63(4):223–5 (Eng. Abstr.) **(Chi)**

[Changes in natural immunity in the blood in ankylosing spondylarthritis] Hrnčíř Z, et al. **Vnitr Lek** 1984 Feb; 30(2):116–24 (Eng. Abstr.) **(Cze)**

[Immunochemical determination of alpha 1-antitrypsin in liver diseases] Heidl G, et al. **Acta Histochem [Suppl] (Jena)** 1984;30:215–9 **(Ger)**

[Immunohistochemical findings in intrathoracic tumors. II. Demonstration of alpha 1-antitrypsin in tumor tissue] Eckert H. **Z Erkr Atmungsorgane** 1983;161(3):319–24 (Eng. Abstr.) **(Ger)**

[Alpha 1-antitrypsin and bronchiolitis] Li Volti S, et al. **Minerva Pediatr** 1984 Mar 15;36(5):217–20 (Eng. Abstr.) **(Ita)**

[Serum alpha 1-antitrypsin concentration in children with nephrotic syndrome] Tuszkiewicz-Misztal E, et al. **Pediatr Pol** 1983 Nov;58(11):853–6 (Eng. Abstr.) **(Pol)**

[Alpha 1-antitrypsin and immunoglobulin A, G and M levels in workers occupationally exposed to ceramic dust] Cianciara M, et al. **Pol Tyg Lek** 1984 Jan 23;39(4):107–9 (Eng. Abstr.) **(Pol)**

[Alpha 1-antitrypsin in the blood serum of patients with systemic lupus erythematosus] Jendryczko A, et al. **Pol Tyg Lek** 1983 Oct 31;38(44):1361–2 (Eng. Abstr.) **(Pol)**

[State of the system of proteolytic enzyme inhibitors in inflammatory destructive processes in the abdominal cavity] Protsenko AV, et al. **Khirurgiia (Mosk)** 1984 Apr; (4):49–52 (Eng. Abstr.) **(Rus)**

[Characteristics of changes in main serum proteinase inhibitors (alpha 1-antitrypsin and alpha 2-macroglobulin) in patients with pulmonary tuberculosis] Kaminskaia GO, et al. **Probl Tuberk** 1983 Dec;(12):50–6 (Eng. Abstr.) **(Rus)**

[Justification for the determination of alpha 1-antitrypsin in the serum of patients with obstructive lung diseases (a review of smokers and nonsmokers)] Dizdarević Z, et al. **Plucne Bolesti Tuberk** 1983 Jan-Dec;35(1–4):99–102 (Eng. Abstr.) **(Scr)**

[Pi phenotypes of alpha-1-antitrypsin and antiproteases in meningococcal sepsis] Ruiz C, et al. **An Esp Pediatr** 1983 Oct;19(4):268–78 (Eng. Abstr.) **(Spa)**

[Alpha 1-antitrypsin and neoplasms (letter)] Caballería Rovira E, et al. **Med Clin (Barc)** 1984 Mar 31;82(12):561 **(Spa)**

[Levels of alpha 1-antitrypsin in the serum of neoplasm patients] Fonseca Sánchez E, et al. **Med Clin (Barc)** 1983 Nov 26;81(17):752–4 (Eng. Abstr.) **(Spa)**

[Changes in serum alpha 1-antitrypsin in benign and malignant breast diseases] Millán Núñez-Cortés J, et al. **Med Clin (Barc)** 1984 Mar 3;82(8):347–8 (Eng. Abstr.) **(Spa)**

[Biological and clinical aspects of alpha 1-antitrypsin with special reference to malignant tumor processes II] Millán Núñez-Cortés J. **Rev Esp Oncol** 1982;29(1):77–127 contd **(Spa)**

BIOSYNTHESIS

Biosynthesis of abnormally glycosylated alpha 1-antitrypsin by a human hepatoma cell line. Carlson J, et al. **Hepatology** 1984 Mar-Apr;4(2):235–41

BLOOD

Optimizing reference values for the measurement of alpha 1-antitrypsin in serum: comparison of three methods. Gaidulis L, et al. **Clin Chem** 1983 Oct;29(10):1838–40

Evidence for the participation of granulocyte proteinases on intradialytic catabolism. Hörl WH, et al. **Clin Nephrol** 1984 Jun;21(6):314–22

Serum alpha-1-antitrypsin levels in pulmonary tuberculosis. Yemul VL, et al. **Indian J Med Res** 1983 May;77:613–5

[Biological and clinical aspects of alpha 1-antitrypsin with special reference to malignant tumor processes] Millán Núñez-Cortés J. **Rev Esp Oncol** 1981;28(4):591–641 contd (0 ref.) (Eng. Abstr.) **(Spa)**

DEFICIENCY

Occurrence of alpha-1-antitrypsin deficiency in 155 patients with alcoholic liver disease. Roberts EA, et al. **Am J Clin Pathol** 1984 Oct;82(4):424–7

Alpha-1-antitrypsin-deficient phenotype is not maintained by segregation distortion. Suarez BK, et al. **Am J Phys Anthropol** 1983 Sep;62(1):19–22

Emphysema induced by intravenously administered endotoxin in an alpha 1-antitrypsin-deficient rat model. Blackwood RA, et al. **Am Rev Respir Dis** 1984 Aug; 130(2):231–6

Collaborative study to assess risk of lung disease in Pi MZ phenotype subjects. Bruce RM, et al. **Am Rev Respir Dis** 1984 Sep;130(3):386–90

Outcome of liver disease associated with alpha 1 antitrypsin deficiency (PiZ). Implications for genetic counselling and antenatal diagnosis. Psacharopoulos HT, et al. **Arch Dis Child** 1983 Nov;58(11):882–7

Rheumatoid arthritis and small airways function. Effects of disease activity, smoking, and alpha 1-antitrypsin deficiency. Mountz JD, et al. **Arthritis Rheum** 1984 Jul; 27(7):728–36

Bronchial reactivity and small airway dysfunction in subjects with intermediate alpha 1-antitrypsin deficiency. Groth S, et al. **Bull Eur Physiopathol Respir** 1984 May-Jun; 20(3):279–84

PiM subtypes in healthy subjects and COPD patients and Hardy-Weinberg equilibrium [letter] Bencze K. **Chest** 1983 Dec;84(6):785–6

Hemoglobin treatment of alpha 1-antitrypsin phenotype samples [letter] Lorier MA, et al. **Clin Chem** 1984 Sep; 30(9):1588

Alpha-1-antitrypsin deficiency. Idell S, et al. **Clin Chest Med** 1983 Sep;4(3):359–75 (199 ref.)

Is the PiF allele of alpha 1-antitrypsin associated with pulmonary disease? Beckman G, et al. **Clin Genet** 1984 Jun; 25(6):491–5

Alpha-1-antitrypsin types and rheumatoid arthritis. Beckman G, et al. **Clin Genet** 1984 Jun;25(6):496–9

'Classic' galactosemia associated with alpha 1-antitrypsin deficiency. Karpathios T, et al. **Clin Pediatr (Phila)** 1983 Dec;22(12):828–30

Cystic degeneration of the lung in an infant with alpha 1-antitrypsin deficiency. Newman SL, et al. **Clin Pediatr (Phila)** 1983 Dec;22(12):830–2

Alpha-1-antitrypsin phenotypes, serum immunoglobulins and circulating bacterial antibodies in Nigerians with chronic obstructive pulmonary disease. Olusi SO, et al. **East Afr Med J** 1983 Jul;60(7):506–11

Regional distribution of ventilation and perfusion in patients with obstructive pulmonary disease and alpha 1-antitrypsin deficiency. Mostafa AB, et al. **Eur J Nucl Med** 1983; 8(8):338–41

alpha-1-Antitrypsin deficiency. Alagille D. **Hepatology** 1984 Jan-Feb;4(1 Suppl):11S–14S

Idiopathic hemochromotosis and alpha-1-antitrypsin deficiency: coexistence in a family with progressive liver disease in the proband. Anand S, et al. **Hepatology** 1983 Sep-Oct;3(5):714–8

PI(alpha 1-antitrypsin) polymorphism in the Japanese: confirmation of PI*M4 and description of new PI variants. Yuasa I, et al. **Hum Genet** 1984;67(2):209–12

Alpha 1 antitrypsin deficiency in chronic obstructive pulmonary disease (COPD). Mehta CD, et al. **Indian J Pathol Microbiol** 1983 Jul;26(3):161–4

Occurrence of alpha 1-antitrypsin deficiency in normal healthy Indians and in patients with various pulmonary diseases. Shah AC, et al. **J Indian Med Assoc** 1983 Sep; 81(5–6):79–82

Prospective study of children with alpha 1-antitrypsin deficiency: eight-year-old follow-up. Sveger T. **J Pediatr** 1984 Jan;104(1):91–4

Heterozygous alpha 1-antitrypsin deficiency and valproate hepatotoxicity [letter] Moore JR, et al. **Lancet** 1984 Jan 28;1(8370):221

Prenatal diagnosis of alpha 1-antitrypsin deficiency by direct analysis of the mutation site in the gene. Kidd VJ, et al. **N Engl J Med** 1984 Mar 8;310(10):639–42

Alpha 1-antitrypsin, emphysema and smoking. Carrell RW. **NZ Med J** 1984 May 23;97(756):327–8

Vitamin K deficiency in newborns: a case report in alpha-1-antitrypsin deficiency and a review of factors predisposing to hemorrhage. Payne NR, et al. **Pediatrics** 1984 May;73(5):712–6

Alpha-1-antitrypsin deficiency and hepatocellular carcinoma. Determination of Pi phenotypes using iso-electric focusing. Vergalla J, et al. **S Afr Med J** 1983 Dec 3;64(24):950–1

Leucocyte-associated plasma proteins in leucocytes during disease states, and in leukaemic cells. Andersen MM. **Scand J Clin Lab Invest** 1984 May;44(3):257–65

Alpha 1-antitrypsin deficiency: some personal experiences. Eriksson S. **Schweiz Med Wochenschr** 1984 Jun 23; 114(25):893–4

alpha 1-Antitrypsin deficiency. Catz EG, et al. **South Med J** 1984 Apr;77(4):479–83 (51 ref.)

Alpha-1-antitrypsin deficiency and juvenile liver disease. Ultrastructural observations compared with light microscopy and routine liver tests. Németh A, et al. **Virchows Arch [Cell Pathol]** 1983;44(1):15–33

[Alpha 1-antitrypsin deficiency] Ling RQ. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1983 Aug;6(4):247–50 **(Chi)**

[Hereditary alpha-1-antitrypsin deficiency in the Finnish population] Haapala O. **Duodecim** 1983;99(18):1258–63 (14 ref.) **(Fin)**

[Alpha 1-antitrypsin deficiency and idiopathic hemochromatosis: a fortuitous association (letter)] Le Gall F, et al. **Gastroenterol Clin Biol** 1983 Dec;7(12):1040–1 **(Fre)**

[Cerebral hemorrhage in a 4-week-old infant with homozygous alpha 1-antitrypsin deficiency] Mahdi S, et al. **Klin Padiatr** 1984 Mar-Apr;196(2):115–7 (Eng. Abstr.) **(Ger)**

[Liver cirrhosis due in alpha-1-antitrypsinin deficiency and development of an arteriovenous shunts of the lungs] Ullrich K, et al. **Monatsschr Kinderheilkd** 1983 Oct; 131(10):740–2 (Eng. Abstr.) **(Ger)**

[Proteases and protease inhibitors; etiologic role in chronic obstructive emphysema] Kueppers F. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:700–2 (Eng. Abstr.) **(Ger)**

[Pulmonary functions in alpha 1-antitrypsin deficiency] Kambe M, et al. **Kokyu To Junkan** 1983 Nov; 31(11):1217–20 (Eng. Abstr.) **(Jpa)**

[Results of a study of several genetically caused forms of perinatal pathology] Kristesashvili DI, et al. **Akush Ginekol (Mosk)** 1984 Jan;(1):36–7 (Eng. Abstr.) **(Rus)**

[Attempt to analyze the role of alpha 1-antitrysin deficiency in the etiology of chronic nonspecific lung diseases] Gembitskaia TE. **Ter Arkh** 1984;56(3):70–4 (Eng. Abstr.) **(Rus)**

[Alpha 1-antitrypsin deficit associated with Paget's disease] Cordero Torres R, et al. **Rev Clin Esp** 1983 Dec 31; 171(6):437–8 **(Spa)**

[Alpha-1-antitrypsin and glomerulonephritis] Sousa F, et al. **Rev Clin Esp** 1983 Nov 30;171(4):269–71 (Eng. Abstr.) **(Spa)**

GENETICS

Genetic heterogeneity of alpha-1-antitrypsin in the Galician population. Caeiro B. **Anthropol Anz** 1983 Dec;41(4):293–9

The isolation of a clone for human alpha 1-antitrypsin and the detection of alpha 1-antitrypsin in mRNA from liver and leukocytes. Rogers J, et al. **Biochem Biophys Res Commun** 1983 Oct 31;116(2):375–82

Evidence for the nonpathogenicity of alpha1-antitrypsin variant Etokyo. Ying QL, et al. **Chin Med J [Engl]** 1984 Mar;97(3):211–4

Pi phenotypes in Down's syndrome [letter] Li Volti S, et al. **Clin Genet** 1983 Jul;24(1):71

Pi type MZ and an increased risk of pneumonia. Horne SL, et al. **Clin Invest Med** 1984;7(2):85–8

Review of isoelectric focusing for Gc, PGM1, Tf, and Pi subtypes: population distributions. Dykes DD, et al. **CRC Crit Rev Clin Lab Sci** 1984;20(2):115–51 (188 ref.)

Alpha-1-antitrypsin MZ phenotype and cryptogenic chronic liver disease in adults. Vecchio FM, et al. **Digestion** 1983; 27(2):100–4

Cloning and expression in Escherichia coli of full-length complementary DNA coding for human alpha 1-antitrypsin. Bollen A, et al. **DNA** 1983;2(4):255–64

Alpha-1-antitrypsin phenotypes in sickle cell anaemia. Adekile AD, et al. **East Afr Med J** 1984 Feb;61(2):136–9

Translation and processing of normal (PiMM) and abnormal (PiZZ) human alpha 1-antitrypsin. Bathurst IC, et al. **FEBS Lett** 1983 Mar 21;153(2):270–4

Expression of human alpha 1-antitrypsin in Escherichia coli. Bollen A, et al. **FEBS Lett** 1984 Jan 23;166(1):67–70

Xenopus oocytes can synthesise but do not secrete the Z variant of human alpha 1-antitrypsin. Foreman RC, et al. **FEBS Lett** 1984 Mar 12;168(1):84–8

Genetic heterogeneity of rabbit alpha-1-antitrypsin. Kueppers F, et al. **Genetics** 1984 Apr;106(4):695–703

Cloning of fibrinogen, prothrombin, and alpha 1-antitrypsin. Davie EW. **Harvey Lect** 1981–82;77:1–21 (60 ref.)

Association between alpha-1-antitrypsin types and the common cold. Martin NG, et al. **Hum Hered** 1983;

33(5):265–9
Human alpha 1-antitrypsin genetic polymorphism: PI N subtypes. Sesboüé R, et al. **Hum Hered** 1984;34(2):105–13
Genetic variants of serum alpha-1-antitrypsin (Pi types) in a Breton population, the Bigoudens. Youinou P, et al. **Hum Hered** 1984;34(2):114–9
Common structural organization of the angiotensinogen and the alpha 1-antitrypsin genes. Tanaka T, et al. **J Biol Chem** 1984 Jul 10;259(13):8063–5
Immunoglobulin (Gm) markers and alpha 1-antitrypsin (PI) types in rheumatoid arthritis and early onset chronic active hepatitis. Walsh LJ, et al. **J Immunogenet** 1984 Apr; 11(2):115–20
High-level production of biologically active human alpha 1-antitrypsin in Escherichia coli. Courtney M, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(3):669–73
Minimal liver disease in young persons with homozygous and heterozygous alpha-1-antitrypsin deficiency. Hultcrantz R, et al. **Scand J Gastroenterol** 1984 May; 19(3):389–93
Allelic frequencies of plasma alpha-1-antitrypsin in Chinese. Ying QL, et al. **Sci Sin [B]** 1984 Feb;27(2):161–8
Gene-splicing protein to have orphan drug status [news] Fox JL. **Science** 1984 Mar 2;223(4639):914
Activation of human alpha 1-antitrypsin gene in rat hepatoma x human fetal liver cell hybrids depends on presence of human chromosome 14. Pearson SJ, et al. **Somatic Cell Genet** 1983 Sep;9(5):567–92
Distribution of the Pi, TfC, and Gc subtypes in Galicia (North West Spain). Carracedo A, et al. **Z Rechtsmed** 1983; 90(2):153–8
[Alpha 1-antitrypsin phenotype and rheumatoid arthritis] Calderón Rodríguez J, et al. **Med Clin (Barc)** 1983 Jul 16; 81(5):191–3 (Eng. Abstr.) **(Spa)**
[Phenotypes of alpha 1-antitrypsin and rheumatoid arthritis (letter)] Monteseirín Mateo FJ, et al. **Med Clin (Barc)** 1984 Jan 21;82(2):88–9 **(Spa)**

IMMUNOLOGY

Monoclonal antibodies against plasma protease inhibitors: II. Production and characterization of 25 monoclonal antibodies against human alpha 1-antitrypsin. Correlation between antigenic structure and functional sites. Hérion P, et al. **Biosci Rep** 1984 Feb;4(2):139–47
[Alpha-1-antitrypsin globules and hepatitis B surface antigen in a patient with hepatic cirrhosis] Bartók I, et al. **Orv Hetil** 1983 Jul 31;124(31):1875–8 (Eng. Abstr.) **(Hun)**
[General anesthesia and the immunocompetent system] Santamaria LB, et al. **Minerva Anestesiol** 1983 Dec; 49(12):701–11 (Eng. Abstr.) **(Ita)**

ISOLATION & PURIFICATION

Purification of human alpha 1 antiprotease-pancreatic elastase complex. Interaction with homologous elastin. Rabaud M, et al. **Connect Tissue Res** 1984;12(2):165–74
Fast chromatofocusing of human serum proteins with special reference to alpha 1-antitrypsin and Gc-globulin. Fägerstam LG, et al. **J Chromatogr** 1983 Aug 26;266:523–32
The use of thiol-disulphide exchange chromatography for the automated isolation of alpha 1-antitrypsin and other plasma proteins with reactive thiol groups. Laurell CB, et al. **J Chromatogr** 1983 Nov 11;278(1):53–61

METABOLISM

Acute phase protein response to infection in elderly patients. Kenny RA, et al. **Age Ageing** 1984 Mar;13(2):89–94
Random fecal alpha 1-antitrypsin excretion in children with intestinal disorders. Dinari G, et al. **Am J Dis Child** 1984 Oct;138(10):971–3
Presence of alpha-1-antitrypsin in pancreatic carcinoma. Report of four cases in association with hepatic storage of the protease inhibitor. Callea F, et al. **Appl Pathol** 1983; 1(5):290–300
Inactivation of human alpha-1-proteinase inhibitor by gas-phase cigarette smoke. Pryor WA, et al. **Biochem Biophys Res Commun** 1984 Jul 31;122(2):676–81
Regulation by sex hormones of serum levels of contrapsin and alpha 1-antiprotease in the mouse. Yamamoto K, et al. **Biochim Biophys Acta** 1984 Apr 10;798(2):231–4
The functional activity of alpha 1-proteinase inhibitor in bronchoalveolar lavage fluids from healthy human smokers and non-smokers. Boudier C, et al. **Clin Chim Acta** 1983 Aug 31;132(3):309–15
Quantitative study of human blood alpha-1-antitrypsin, alpha-2-macroglobulin and inter-alpha-trypsin-inhibitor with respect to plasma renin activity. Sesboüé R, et al. **Clin Chim Acta** 1983 Nov 30;135(1):23–33
The effect of leucocyte elastase on the immunoelectrophoretic behaviour of alpha 1-antitrypsin. Stockley RA, et al. **Clin Sci** 1984 Feb;66(2):217–24
Graft-versus-host disease of the intestine: a protein losing enteropathy characterized by fecal alpha 1-antitrypsin. Weisdorf SA, et al. **Gastroenterology** 1983 Nov; 85(5):1076–81
Simultaneous alpha-1-antitrypsin accumulation in liver and pancreas. Callea F, et al. **Hum Pathol** 1984 Mar;15(3):293–5
Status of alpha-1-antitrypsin (AAT) in liver diseases. Habibullan CM, et al. **Indian J Gastroenterol** 1983 Oct; 2(3):133–5
Degradation of the human proteinase inhibitors alpha-1-antitrypsin and alpha-2-macroglobulin by Bacteroides gingivalis. Carlsson J, et al. **Infect Immun** 1984 Feb;43(2):644–8
Role of protease—protease-inhibitor complexes in inflammation. Takeuchi A, et al. **Int J Tissue React** 1984; 6(1):1–8
Fecal alpha 1-antitrypsin clearance in patients with inflammatory bowel disease. Grill BB, et al. **J Pediatr Gastroenterol Nutr** 1984;3(1):56–61
Alcoholic liver disease and alpha-1-antitrypsin inclusion globules in PiM phenotype. Case report. Faa G, et al. **Pathologica** 1984 Jan-Feb;76(1041):113–6
Study of enzyme inhibitors in the rheumatoid pannus-cartilage area. Flory ED, et al. **Rheumatol Int** 1983; 3(2):81–7
Is alpha 1-protease inhibitor inactivated by smoking? Janoff A, et al. **Science** 1984 May 18;224(4650):755–6
Alpha 1-antitrypsin, alpha 2-macroglobulin and complement C4 in human benign prostatic hyperplasia. van Sande M, et al. **Urol Res** 1983;11(6):275–7
[Measurement of the intestinal clearance of alpha 1-antitrypsin and the exchangeable potassium pool in elderly patients treated with anthraquinone glycosides] Emeriau JP, et al. **Gastroenterol Clin Biol** 1983 Oct; 7(10):799–801 (Eng. Abstr.) **(Fre)**
[Major intestinal loss of proteins associated with tuberculous constrictive pericarditis. Initial failure of alpha 1-antitrypsin clearance caused by a zone phenomenon (letter)] Krainik F, et al. **Presse Med** 1984 May 5; 13(19):1219 **(Fre)**
[Acute-phase reaction in children with leukemia at the time of diagnosis] Veiser N, et al. **Klin Padiatr** 1984 Mar-Apr; 196(2):90–3 (Eng. Abstr.) **(Ger)**
[Proteolytic and antitryptic activity of antigen preparations from tissue and blood] Lehmitz R, et al. **Z Med Lab Diagn** 1983;24(7):419–22 **(Ger)**
[The proteolytic etiopathogenesis of pulmonary emphysema] Martelli M, et al. **Minerva Med** 1983 Nov 10; 74(43):2599–603 (Eng. Abstr.) **(Ita)**
[Proteinase inhibitor activity of blood plasma and cerebrospinal fluid in patients with pituitary adenomas before and after proton therapy] Zargarova OP, et al. **Vopr Med Khim** 1983 Nov-Dec;29(6):96–8 (Eng. Abstr.) **(Rus)**
[Biological and clinical features of alpha 1-antitrypsin with special reference to malignant processes. III] Millán Núñez-Cortés J. **Rev Esp Oncol** 1982;29(2):325–66 (529 ref.) **(Spa)**

PHARMACODYNAMICS

Kinetics and stoichiometry of inactivation of some pancreatic and leucocyte serine proteinases by rabbit alpha 1-proteinase inhibitors F and S. Koj A, et al. **Biomed Biochim Acta** 1983;42(10):1221–8
[The interaction of human alpha 1-antitrypsin with human plasmin] Sakurama S. **Hokkaido Igaku Zasshi** 1984 Jan; 59(1):48–58 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Lung function in an Australian population: contributions of polygenic factors and the Pi locus to individual differences in lung function in a sample of twins. Gibson JB, et al. **Ann Hum Biol** 1983 Nov-Dec;10(6):547–56
The elastase/alpha 1-proteinase inhibitor balance in the lung. A review. Virca GD, et al. **Schweiz Med Wochenschr** 1984 Jun 23;114(25):895–8 (53 ref.)
Inhibitory capacity of alpha 1 antitrypsin in lung secretions: variability and the effect of drugs. Morrison HM, et al. **Thorax** 1984 Jul;39(7):510–6

SECRETION

Postirradiation malignant fibrous histiocytoma arising in juvenile nasopharyngeal angiofibroma and producing alpha-1-antitrypsin. Spagnolo DV, et al. **Histopathology** 1984 Mar;8(2):339–52

ALPHA-CHLOROHYDRIN see under **CHLOROHYDRINS**

ALPHA FETOPROTEINS

Oncodevelopmental biology and medicine. **Ann NY Acad Sci** 1983;417:1–461
Structural analysis of human and bovine alpha-fetoprotein by electron microscopy, image processing, and circular dichroism. Luft AJ, et al. **Biochemistry** 1983 Dec 6; 22(25):5978–81
Structure determination of the carbohydrate chains of rat alpha-fetoprotein. Bayard B, et al. **Eur J Biochem** 1983 Dec 1;137(1-2):319–23
Alpha-fetoprotein screening. Crandall BF. **West J Med** 1984 Jun;140(6):931

ANALYSIS

Peritoneal implantation of endodermal sinus tumor of the pineal region via a ventriculoperitoneal shunt. Cytodiagnosis with immunocytochemical demonstration of alpha-fetoprotein. Kimura N, et al. **Acta Cytol (Baltimore)** 1984 Mar-Apr;28(2):143–7
Serum alpha-fetoprotein in chronic liver disease. Weisz G, et al. **Acta Med Hung** 1983;40(2-3):155–64
Prenatal diagnosis of two cases of gastroschisis following alpha-fetoprotein (AFP) screening. Holmgren G, et al. **Acta Obstet Gynecol Scand** 1984;63(4):325–8
Alpha-fetoprotein screening in obstetric practice. Schnittger A, et al. **Acta Obstet Gynecol Scand [Suppl]** 1984;119:1–47
Serum alpha-fetoprotein—a biochemical indicator of prenatal hypothyroidism. Larsson A, et al. **Acta Paediatr Scand** 1983 Jul;72(4):481–4
Clinical interpretation of maternal serum alpha-fetoprotein concentrations. Adams MJ Jr, et al. **Am J Obstet Gynecol** 1984 Feb 1;148(3):241–54
Value of beta-subunit of human chorionic gonadotropin, pregnancy-specific beta 1-glycoprotein, and alpha-fetoprotein in preoperative evaluation of patients with a pelvic mass. Andersen HJ, et al. **Am J Obstet Gynecol** 1984 Jul 15;149(6):694–5
Routine amniotic fluid alpha-fetoprotein measurement in 34,000 pregnancies. Crandall BF, et al. **Am J Obstet Gynecol** 1984 Aug 1;149(7):744–7
The relationship between serum beta 1-glycoprotein and alpha-fetoprotein levels in the second trimester and birth weight. Haddow JE, et al. **Am J Obstet Gynecol** 1984 Jan 1;148(1):108–9
An association between low maternal serum alpha-fetoprotein and fetal chromosomal abnormalities. Merkatz IR, et al. **Am J Obstet Gynecol** 1984 Apr 1; 148(7):886–94
Alpha-fetoprotein subfractions in germ cell tumors identified by Con A or LCH crossed-line affinity immunoelectrophoresis. Ishiguro T, et al. **Am J Reprod Immunol** 1984 Apr-May;5(3):102–5
Ovarian Sertoli-Leydig cell tumor with retiform and heterologous components. Report of a case with hepatocytic differentiation and elevated serum alpha-fetoprotein. Young RH, et al. **Am J Surg Pathol** 1984 Sep;8(9):709–18
Affinity partitioning of albumin and alpha-fetoprotein in an aqueous two-phase system using poly(ethylene glycol)-bound triazine dyes. Birkenmeier G, et al. **Anal Biochem** 1984 Jan;136(1):264–71
Advances in biological markers for cancer. Klavins JV. **Ann Clin Lab Sci** 1983 Jul-Aug;13(4):275–80 (60 ref.)
Immunohistochemical studies on alpha-fetoprotein- and albumin-containing cells in the liver during ontogenesis and early stage of 3'-Me-DAB hepatocarcinogenesis. Dempo K, et al. **Ann NY Acad Sci** 1983;417:195–202
Some biological roles for alpha-fetoprotein-unsaturated fatty acid complexes. Deutsch HF. **Ann NY Acad Sci** 1983; 417:39–48
Alpha-fetoprotein (AFP) and alpha 2-macroglobulin (alpha 2-M) as the markers of distinct responses of hepatocytes to carcinogens in the rat: carcinogenesis. Doležalová V, et al. **Ann NY Acad Sci** 1983;417:294–307
Radioimmunodetection of cancer using antibodies to alpha-fetoprotein and carcinoembryonic antigen. Ishii N, et al. **Ann NY Acad Sci** 1983;417:270–6
Biochemical markers for testicular germ-cell tumors in relation to histology and stage: some experiences from the Danish testicular cancer (DATECA) Study from 1976 through 1981. Nørgaard-Pedersen B, et al. **Ann NY Acad Sci** 1983;417:390–9
Concanavalin-A-affinity molecular heterogeneity of human hepatoma AFP and cord-serum AFP. Smith CJ, et al. **Ann NY Acad Sci** 1983;417:69–74
Immunohistochemical study of alpha-fetoprotein in rat embryos during ontogenesis. Suzuki Y, et al. **Ann NY Acad Sci** 1983;417:224–39
Intracellular uptake of alpha-fetoprotein: a marker of neural differentiation. Uriel J, et al. **Ann NY Acad Sci** 1983; 417:321–9
Fluorescence spectroscopy, fluorescence polarization, and circular dichroism in studies on pH-dependent changes in the alpha-fetoprotein molecule. Žižkovský V, et al. **Ann NY Acad Sci** 1983;417:49–56
Immunohistological localization of AFP and HCG in uniformly classified testis tumors. Wittekind C, et al. **Anticancer Res** 1983 Sep-Oct;3(5):327–30
Flexible porous discs by radiation polymerization method for enzyme immunoassay of alpha-fetoprotein. Kumakura M, et al. **Arch Immunol Ther Exp (Warsz)** 1984;32(1):135–41
Prognostic significance of oncofetal antigens in patients with ovarian cancer. Koh SH, et al. **Aust NZ J Obstet Gynaecol** 1983 May;23(2):69–72
Four subfractions of amniotic fluid AFP identified by lentil lectin crossed-line affinity immunoelectrophoresis. Ishiguro T, et al. **Biol Res Pregnancy Perinatol** 1983;4(3):93–4
Problems of interpretation of serum concentrations of alpha-foetoprotein (AFP) in patients receiving cytotoxic chemotherapy for malignant germ cell tumours. Coppack S, et al. **Br J Cancer** 1983 Sep;48(3):335–40
Are vaginal fluid concentrations of prolactin, alpha-fetoprotein and human placental lactogen useful for diagnosing ruptured membranes? Huber JF, et al. **Br J Obstet Gynaecol** 1983 Dec;90(12):1183–5
Abdominal pregnancy associated with extremely elevated serum alpha-fetoprotein. Case report. Tromans PM, et al. **Br J Obstet Gynaecol** 1984 Mar;91(3):296–8
The reduction of anencephalic and spina bifida births by maternal serum alphafetoprotein screening. Ferguson-Smith MA. **Br Med Bull** 1983 Oct;39(4):365–72 (31 ref.)
Outcome of pregnancies associated with raised serum and

normal amniotic fluid alpha fetoprotein concentrations [letter] Corry I, et al. **Br Med J [Clin Res]** 1984 Jun 16; 288(6433):1836

Outcome of pregnancies associated with raised serum and normal amniotic fluid alpha fetoprotein concentrations. Evans J, et al. **Br Med J [Clin Res]** 1984 May 19; 288(6429):1494

Severe pre-eclampsia of early onset [letter] Walters BN, et al. **Br Med J [Clin Res]** 1983 Oct 29;287(6401):1302

Alpha-fetoprotein and human chorionic gonadotropin in embryonal carcinoma of the ovary. An 8-year survival case. Nakakuma K, et al. **Cancer** 1983 Oct 15;52(8):1470-2

Affinity chromatography used in distinguishing alpha-fetoprotein in serum from patients with tumors of hepatic parenchyma and of germ cells. Buamah PK, et al. **Clin Chem** 1984 Jul;30(7):1257-8

Serum alpha fetoprotein heterogeneity as a means of differentiating between primary hepatocellular carcinoma and hepatic secondaries. Buamah PK, et al. **Clin Chim Acta** 1984 Jun 13;139(3):313-6

Comparison of monoclonal and polyclonal antibodies in a two-site binding enzyme immunoassay for alphafetoprotein (AFP). Porstmann T, et al. **Clin Chim Acta** 1983 Nov 30; 135(1):13-22

Quantification of proteins down to nanograms per millilitre using zone immunoelectrophoresis assay (ZIA)—use of two antibodies for assay of alpha-fetoprotein (AFP). Vesterberg O. **Clin Chim Acta** 1983 Aug 15;132(2):209-12

Zone immunoelectrophoresis assay (ZIA) of alpha-fetoprotein (AFP) using one antiserum. Vesterberg O. **Clin Chim Acta** 1983 Nov 30;135(1):99-101

Tumour markers in ovarian cancer. van Nagell JR Jr. **Clin Obstet Gynaecol** 1983 Aug;10(2):197-212

Women's attitudes toward the serum alpha-fetoprotein test. Dembert ML, et al. **Conn Med** 1983 Sep;47(9):525-9

Alphafetoprotein (AFP), concanavalin A non-reactive AFP and specific acetylcholinesterase in amniotic fluid from pathological pregnancies. Predictive values for open spina bifida. van Regemorter N, et al. **Eur J Obstet Gynecol Reprod Biol** 1983 Sep;16(1):9-18

Immunocytochemical investigation of alpha-fetoprotein-positive cells in hepatocarcinogenesis and hepatomas induced by 3'-ME-DAB. Iwai M. **Gastroenterol Jpn** 1983 Aug;18(4):346-58

Serum alpha-fetoprotein in the early stage of human hepatocellular carcinoma. Chen DS, et al. **Gastroenterology** 1984 Jun;86(6):1404-9

Hepatocellular carcinoma in primary biliary cirrhosis: detection by alpha-fetoprotein estimation. Melia WM, et al. **Gastroenterology** 1984 Sep;87(3):660-3

Anxiety concerning fetal malformations in pregnant women exposed or not exposed to an antenatal serum alpha-fetoprotein screening program. Berne-Fromell K, et al. **Gynecol Obstet Invest** 1984;17(1):36-9

Increased alpha-fetoprotein levels in mixed mesodermal tumor of the ovary. Blumenfeld Z, et al. **Gynecol Obstet Invest** 1984;17(4):169-73

Serial serum determination on alpha-fetoprotein as a marker of the effect of postoperative chemotherapy in ovarian endodermal sinus tumor. Maeyama M, et al. **Gynecol Oncol** 1984 Jan;17(1):104-16

Immunocytochemical study of alpha-fetoprotein in the central nervous system and thymus of pig embryos. Kovářu F, et al. **Histochem J** 1984 Apr;16(4):456-8

Cellular immunolocalization of alpha-fetoprotein in rat liver. Woods JA. **Histochem J** 1983 Oct;15(10):1021-8

Ultrastructural localisation of alpha-fetoprotin (AFP) in regenerating mouse liver poisoned with CCL4. I. Reexpression of AFP in differentiated hepatocytes. Engelhardt NV, et al. **Histochemistry** 1984;80(4):401-7

Evaluation of radioimmunoassay and enzyme linked immunosorbent assay for feto protein. Ramaswamy PG, et al. **Indian J Cancer** 1983 Sep-Oct;20(4):208-10

Alpha-fetoprotein: a biochemical marker of fetal well-being. Gupta A, et al. **Indian J Pediatr** 1983 Mar-Apr; 50(403):169-75

Sheets obtained by radiation polymerization for enzyme immunoassay. Kumakura M, et al. **Int J Appl Radiat Isot** 1984 Jun;35(6):471-4

Fetal sex dependent hormone levels in early pregnant women with elevated maternal serum alpha-fetoprotein. Bremme K, et al. **Int J Gynaecol Obstet** 1983 Dec;21(6):451-7

Some immunobiochemical approaches for the detection of metastases. Neville AM. **Invasion Metastasis** 1982;2(1):2-11 (16 ref.)

Identification of 'embryonin' as bovine alpha 2-macroglobulin. Feldman SR, et al. **J Biol Chem** 1984 Apr 10;259(7):4458-62

Comparison of a new tumour marker, CA 19-9, with alpha-fetoprotein and carcinoembryonic antigen in patients with upper gastrointestinal diseases. Jalanko H, et al. **J Clin Pathol** 1984 Feb;37(2):218-22

A new procedure for coupling antibody to paper discs for radioimmunoassay: application to the determination of alpha-fetoprotein. Sasaki T, et al. **J Immunol Methods** 1983 Nov 11;64(1-2):25-9

Distribution of alpha-fetoprotein in fetal plasma and in amniotic and allantoic fluids of the pig. Luft AJ, et al. **J Reprod Fertil** 1984 Mar;70(2):605-7

Endodermal sinus tumour of the ovary: serum alpha fetoprotein dynamics and immunohistochemical localization of marker in tumour tissue. Buamah PK. **J Surg Oncol** 1984 Mar;25(3):186-7

A graphical method to analyze serum tumor marker decay in nonseminomatous testis tumors. Lo RK, et al. **J Urol** 1984 May;131(5):896-8

Embryonal carcinoma with falsely positive elevation of serum alpha-fetoprotein after curative therapy: a case report. Pritchett TR, et al. **J Urol** 1984 May;131(5):970-1

Results and benefits of a maternal serum alpha-fetoprotein screening program. Milunsky A, et al. **JAMA** 1984 Sep 21;252(11):1438-42

Diagnostic procedures in the evaluation of hepatic diseases. Functional evaluation: carcinoembryonic antigen (CEA) and alphafetoprotein (AFP) as tumor markers of the liver. Barroso A, et al. **Lab Res Methods Biol Med** 1983;7:153-7 (19 ref.)

Prenatal screening for Down syndrome [letter] **Lancet** 1984 Jun 16;1(8390):1359-60

Low maternal serum AFP and Down syndrome [letter] **Lancet** 1984 Jul 21;2(8395):161-2

Maternal serum alpha-fetoprotein as screening test for Down syndrome [letter] Brock DJ. **Lancet** 1984 Jun 9;1(8389):1292

Maternal serum alpha-fetoprotein measurement: a screening test for Down syndrome. Cuckle HS, et al. **Lancet** 1984 Apr 28;1(8383):926-9

Early detection of primary hepatocellular carcinoma by screening for alpha-fetoprotein in high-risk families. A case-report. Heyward WL, et al. **Lancet** 1983 Nov 19; 2(8360):1161-2

Maternal serum AFP as screening test for Down's syndrome [letter] Houlsby WT. **Lancet** 1984 May 19;1(8386):1127

Deregulation of screening for alpha-fetoprotein in pregnancy [letter] Haddow JE, et al. **N Engl J Med** 1984 Jun 21; 310(25):1669-70

Selective localization of alpha-fetoprotein and serum albumin within the sensory ganglia cells of developing chicken. Vidal RM. **Neurosci Lett** 1983 Nov 11;41(3):253-7

Data from an alpha-fetoprotein pilot screening program in Maine. Haddow JE, et al. **Obstet Gynecol** 1983 Nov; 62(5):556-60

Tumor markers in testicular germ cell tumors related to the stage of the disease at the time of diagnosis. Jacobsen GK. **Oncodev Biol Med** 1983;4(6):C39-44

Hepatitis b surface antigen and alphafetoprotein levels in the serum of healthy women. Kaklamani E, et al. **Oncology** 1984;41(3):176-9

The effect of E. coli endotoxin on the developing rat liver. II. Immunohistochemical localization of alpha-fetoprotein in rat liver multinucleated giant cells. Andres JM, et al. **Pediatr Res** 1983 Dec;17(12):1017-20

Birth weight and alpha-fetoprotein in the newborn [letter] Mizejewski GJ, et al. **Pediatrics** 1984 May;73(5):736-7

Normal second-trimester amniotic fluid alphafetoprotein and acetylcholinesterase associated with fetal sacrococcygeal teratoma. Brock DJ, et al. **Prenat Diagn** 1983 Oct; 3(4):343-5

Is maternal alpha-fetoprotein screening still of value in a low-risk area for neural tube defects? Hooker JG, et al. **Prenat Diagn** 1984 Jan-Feb;4(1):29-33

Changes in maternal serum alpha-fetoprotein levels associated with intrauterine genetic diagnostic procedures. Simpson GF, et al. **Prenat Diagn** 1984 May-Jun;4(3):207-11

Serum alpha-fetoprotein levels in human disease: perspective from a highly specific monoclonal radioimmunoassay. Bellet DH, et al. **Proc Natl Acad Sci USA** 1984 Jun; 81(12):3869-73

Tumor markers and pathology of testicular tumors. Mostofi FK. **Prog Clin Biol Res** 1984;153:69-87 (18 ref.)

Research on high risk groups of primary hepatocellular carcinoma (PHC). Yu LY. **Prog Clin Biol Res** 1983; 132E:475-82

Serum concentration and properties of alpha-fetoprotein and serum level of albumin in sucking piglets. Fujimoto T, et al. **Res Vet Sci** 1984 Mar;36(2):212-6

Alpha-fetoprotein screening for open spina bifida: effect of routine biparietal diameter measurement to estimate gestational age. Wald NJ, et al. **Rev Epidemiol Sante Publique** 1984;32(1):62-9

Maternal serum alpha-fetoprotein screening in Natal. Results of over 12 000 tests. Grace HJ, et al. **S Afr Med J** 1984 Jan 7;65(1):8-11

Reactivity of amniotic fluid alpha-fetoprotein with concanavalin A-sepharose in pre-natal diagnosis of fetal malformations. Kolho KL, et al. **Scand J Clin Lab Invest** 1983 Dec;43(8):687-90

Analysis of maternal alpha-fetoprotein: a comparison of three radioimmunoassays. Freeman RW, et al. **Teratogenesis Carcinog Mutagen** 1983;3(5):407-20

Localization of alpha-fetoprotein and human chorionic gonadotropin to specific histologic types of nonseminomatous testicular cancer. Fowler JE Jr, et al. **Urology** 1983 Dec;22(6):649-54

Direct two-site binding enzyme immunoassay for human alpha-1-fetoprotein. Part I: Comparison of different peroxidase-IgG-conjugates and various reaction conditions. Porstmann B, et al. **Z Med Lab Diagn** 1984; 25(1):5-13

[Rapid immunohemagglutination determination of alpha-fetoprotein] Marovski S. **Akush Ginekol (Sofiia)** 1983;22(4):266-70 (Eng. Abstr.) (Bul)

[Evidence of biochemical markers in a complex diagnostico-therapeutic program in germ cell tumors of the testes] Abrahámová J, et al. **Cas Lek Cesk** 1983 Jul 1;122(26):824-9 (Eng. Abstr.) (Cze)

[Pineal tumor with alpha 1 fetoprotein and chorionic gonadotropins in serum and cerebrospinal fluid] Pařízek J, et al. **Cesk Neurol Neurochir** 1983 Sep;46(5):293-300 (Eng. Abstr.) (Cze)

[Unusual course of alpha-fetoprotein levels in a case of spina bifida detected by prenatal diagnosis] Augier D, et al. **J Genet Hum** 1983 Jun;31(2):115-23 (Eng. Abstr.) (Fre)

[Comparative study of radioimmunologic and immunoenzyme methods for the determination of alpha feto-protein] Arnaud C, et al. **Pathol Biol (Paris)** 1984 Jun; 32(6):711-3 (Eng. Abstr.) (Fre)

[Alpha fetoprotein diagnosis in obstetrics] Weitzel H. **Arch Gynecol** 1983;235(1-4):419-25 (Ger)

[Sirenomelia in a dead fetus in utero, discovered by a rise in maternal serum alpha-fetoprotein] Marguerat P, et al. **Gynakol Rundsch** 1983;23(3):175-9 (Ger)

[Alpha-fetoproteins in obstetrics] Weitzel H. **Gynakologe** 1983 Sep;16(3):148-54 (78 ref.) (Ger)

[Alpha-1-fetoprotein in a mediastinal yolk sac tumor] Micka K, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:998-1000 (Eng. Abstr.) (Ger)

[Limitations of tumor marker surveillance after chemotherapy in advanced non-seminomatous testicular tumors] Behrendt H, et al. **Urol Int** 1983;38(5):307-9 (Eng. Abstr.) (Ger)

[Staging of testicular cancer by ultrasound and tumor markers with special respect to stage I and IIA] Behrendt H, et al. **Urol Int** 1983;38(5):279-84 (Eng. Abstr.) (Ger)

[Importance of the intracellular detection of alpha-fetoprotein and beta-human chorionic gonadotropin in a testicular tumor using immunoperoxidase] Schwarz HP, et al. **Wien Klin Wochenschr** 1984 Mar 16;96(6):230-4 (Eng. Abstr.) (Ger)

[Determination of alpha-1-fetoprotein in maternal serum dried on filter paper by an enzyme immunoassay] Schmechta H, et al. **Zentralbl Gynakol** 1984;106(8):512-6 (Eng. Abstr.) (Ger)

[Importance of AFP screening in the early detection of low-weight infants] Bognár Z, et al. **Orv Hetil** 1984 Jun 17;125(25):1497-9 (Eng. Abstr.) (Hun)

[Serum alpha-fetoprotein screening tests in the prevention of closure defects (a multicenter study)] Pejtsik B, et al. **Orv Hetil** 1984 Mar 18;125(12):699-702 (Eng. Abstr.) (Hun)

[Value of the determination of neonatal serum alpha fetoprotein in the intrauterine diagnosis of infection] Tamas P, et al. **Orv Hetil** 1984 Mar 11;125(11):629-31 (Eng. Abstr.) (Hun)

[Determination of alpha-fetoprotein, cholinesterase and alpha 2-macroglobulin in the amniotic fluid in the diagnosis of neural tube defects] Lamedica G, et al. **Ann Ostet Ginecol Med Perinat** 1983 Jul-Aug;104(4):261-9 (Eng. Abstr.) (Ita)

[Lack of correlation between alpha fetoprotein and the course of acute viral hepatitis in children] Prudenziati A, et al. **Minerva Pediatr** 1984 Apr 30;36(8):399-401 (Eng. Abstr.) (Ita)

[Diagnostic importance of alpha fetoproteins in oncology] Grob PJ, et al. **Ric Clin Lab** 1983;13 Suppl 2:77-97 (Ita)

[Case of yolk sac tumor decreasing in size and the normalizing of alph-fetoprotein level by anticancer chemotherapy] Yoshida N, et al. **Gan To Kagaku Ryoho** 1984 Feb;11(2):333-6 (Eng. Abstr.) (Jpn)

[Diagnostic significance of AFP subfractions in patients with primary hepatoma and metastatic hepatoma] Ishiguro T, et al. **Nippon Gan Chiryo Gakkai Shi** 1983 Dec 20; 18(8):2004-8 (Eng. Abstr.) (Jpn)

[Postoperative serum AFP in patients with yolk sac tumor and solid teratoma of the ovary] Ishiguro T, et al. **Nippon Gan Chiryo Gakkai Shi** 1983 Dec 20;18(8):2017-21 (Eng. Abstr.) (Jpn)

[Treatment of stage I, II testicular tumor based on tumor markers] Kamidono S, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Aug;74(8):1383-93 (Eng. Abstr.) (Jpn)

[Studies on the tumor markers in the germinal testicular tumors. Cellular localization of alpha-fetoprotein (AFP), human chorionic gonadotropin (HCG) and carcinoembryonic antigen (CEA) in germinal testicular tumors using an indirect immunoperoxidase method] Miki T. **Nippon Hinyokika Gakkai Zasshi** 1984 Mar;75(3):503-22 (Eng. Abstr.) (Jpn)

[Evaluation of serum AFP, HCG, and CEA in testicular tumor] Miki T, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Jul;74(7):1236-47 (Eng. Abstr.) (Jpn)

[Case of alpha-fetoprotein-producing lung cancer with right hemiplegia due to brain metastasis as a main symptom] Hayatsu M, et al. **Nippon Naika Gakkai Zasshi** 1983 Aug; 72(8):1035-40 (Jpn)

[Carcinoembryonic antigen, alpha-fetoprotein and human chorionic gonadotropin producing gastric cancer] Honda T, et al. **Nippon Naika Gakkai Zasshi** 1984 Apr;73(4):521-6 (Jpn)

[Heterogeneity of alpha-fetoprotein with concanavalin A-binding properties in the serum and ascites of liver neoplasms and liver cirrhosis] Fujise K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Nov;80(11):2363-8 (Eng. Abstr.) (Jpn)

[RIA-gnost AFP (Tachisorb) with an improved double antibody method—experimental and clinical evaluation]

Hakariya S, et al. **Radioisotopes** 1983 Sep;32(9):427–30 **(Jpn)**
[Radioimmunoassay of serum alpha–fetoprotein using Tachisorb as a rapid separation reagent] Masuoka T, et al. **Radioisotopes** 1983 Nov;32(11):563–6 **(Jpn)**
[Alpha 1–fetoprotein levels of the amniotic fluid in relation to the presence of blood in amniotic fluid] Lambert I, et al. **Ginekol Pol** 1983 Aug–Sep;54(8–9):531–5 (Eng. Abstr.) **(Pol)**
[Effect of intravenous fenoterol on feto–placental protein concentration in the blood of pregnant women] Skalba P, et al. **Pol Tyg Lek** 1983 Oct 10;38(41):1267–9 (Eng. Abstr.) **(Pol)**
[Serum AFP concentration in threatened abortion] Woyton J, et al. **Wiad Lek** 1983 Sep 1;36(17):1411–4 (Eng. Abstr.) **(Pol)**
[The state of the fetoplacental system in women with multiple pregnancy] Laricheva IP, et al. **Akush Ginekol (Mosk)** 1983 Oct;(10):21–3 (Eng. Abstr.) **(Rus)**
[Tumor markers in focal and diffuse liver diseases] Kasatkin IuN, et al. **Med Radiol (Mosk)** 1984 Apr;29(4):39–43 (Eng. Abstr.) **(Rus)**
[Study of various markers (alpha fetoprotein, chorionic gonadotropin, lactate dehydrogenase) during chemotherapy of malignant testicular tumors] Lichinitser MR, et al. **Ter Arkh** 1984;56(6):77–9 **(Rus)**
[Tumor markers in the diagnosis of lung cancer] Tokarskaia ZB, et al. **Ter Arkh** 1983;55(10):117–21 (27 ref.) (Eng. Abstr.) **(Rus)**
[Personal experience in studying alpha fetoproteins in amniotic fluid] Turecký L, et al. **Bratisl Lek Listy** 1984 Jun;81(6):699–705 (Eng. Abstr.) **(Slo)**

ANTAGONISTS & INHIBITORS

Mechanism of interferon action. Activation of macrophages and antagonism to alpha–feto–protein by pppA2'p5'A2'p5'A. Liu XY, et al. **Sci Sin [B]** 1983 Oct; 26(10):1057–64

BIOSYNTHESIS

Induction of murine alpha–foetoprotein synthesis by oestradiol. Hau J, et al. **Acta Endocrinol (Copenh)** 1984 May; 106(1):141–4
Serous papillary cystadenocarcinoma associated with alpha–fetoprotein production. Higuchi Y, et al. **Arch Pathol Lab Med** 1984 Sep;108(9):710–2
Role of retinoic acid in maturation of fetal liver cells in vitro. Chou JY, et al. **Biochem Biophys Res Commun** 1984 Jan 13;118(1):168–75
A methodological approach for the study of protein synthesis by cell cultures in vitro. Mariani G, et al. **J Nucl Med Allied Sci** 1983 Jul–Sep;27(3):237–47
The effect of prolactin (PRL) on human fetal lung and liver protein synthesis in vitro. Genbačev O, et al. **J Perinat Med** 1983;11(5):258–60
Induction of alpha–fetoprotein synthesis in differentiating F9 teratocarcinoma cells is accompanied by a genome–wide loss of DNA methylation. Young PR, et al. **Mol Cell Biol** 1984 May;4(5):898–907
Investigations concerning the correlation between liver cell proliferation, production of alpha–fetoprotein, and DNA–synthesis of lymphocytes in the spleen of NMRI–mice. An autoradiographic and immunohistochemical study. Tuczek HV, et al. **Pathol Res Pract** 1984 Mar;178(4):335–8
[AFP producing stomach cancer—a study of transplanted tumor in nude mice] Takahashi Y, et al. **Gan No Rinsho** 1984 Jul;30(8):907–11 (Eng. Abstr.) **(Jpn)**
[A case of alpha–fetoprotein–producing gastric carcinoma with unique macroscopical configuration] Kodama T, et al. **Nippon Geka Gakkai Zasshi** 1984 Jan;85(1):77–81 (Eng. Abstr.) **(Jpn)**
[A case of lung cancer producing alpha–fetoprotein] Takizawa H, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1984 Mar;22(3):220–4 (Eng. Abstr.) **(Jpn)**
[Induction of alpha–fetoprotein synthesis in highly differentiated spontaneous hepatomas in mice] Shipova LIa, et al. **Biull Eksp Biol Med** 1984 Mar;97(3):303–5 (Eng. Abstr.) **(Rus)**

BLOOD

Maternal serum–AFP as screening test for Down syndrome [letter] Fuhrmann W, et al. **Lancet** 1984 Aug 18;2(8399):413
[Evaluation of serum alpha–1–fetoprotein studies in patients with testicular tumors receiving adjuvant and curative chemotherapy] Tóth I, et al. **Orv Hetil** 1983 Oct 30; 124(44):2661–8 (Eng. Abstr.) **(Hun)**

DIAGNOSTIC USE

Neural tube defects, diabetes, and serum alpha–fetoprotein screening [letter] Eunpu DL, et al. **Am J Obstet Gynecol** 1983 Nov 15;147(6):729–30

GENETICS

Chromosomal structure and localization of the human alpha–fetoprotein gene. Minghetti PP, et al. **Ann NY Acad Sci** 1983;417:1–12
Structural analysis of the human alpha–fetoprotein gene. Tamaoki T, et al. **Ann NY Acad Sci** 1983;417:13–20
Selective detection of rat and mouse specific albumin and alpha–fetoprotein mRNA molecules under highly stringent hybridization conditions. Sellem CH, et al. **Arch Biochem Biophys** 1984 Feb 15;229(1):226–36
Effect of 5–azacytidine on rat liver alpha–fetoprotein gene expression. Cook JR, et al. **Biochem Biophys Res Commun** 1983 Nov 15;116(3):939–44
Tissue specific control of alpha–fetoprotein gene expression. Cote GJ, et al. **Biochem Biophys Res Commun** 1984 Apr 30;120(2):677–85
Rapid suppression of alpha 1–fetoprotein gene transcription by dexamethasone in developing rat liver. Guertin M, et al. **Biochemistry** 1983 Aug 30;22(18):4296–302
Location of DNA sequences complementary to small nuclear repeat RNA (fr 3–RNA) in relation to DNA sequences coding for albumin and alpha–fetoprotein in rat liver cells. Hwu HR, et al. **Biochim Biophys Acta** 1984 Jun 16; 782(2):164–9
Dexamethasone inhibition of rat hepatoma growth and alpha–fetoprotein synthesis. Huang DP, et al. **Cancer Res** 1984 Jul;44(7):2976–80
Methylation of the alpha–fetoprotein gene in productive and nonproductive rat hepatocellular carcinomas. Kuo MT, et al. **Cancer Res** 1984 Apr;44(4):1642–7
Gene mapping in the rat by mouse–rat somatic cell hybridization: synteny of the albumin and alpha–fetoprotein genes and assignment to chromosome 14. Szpirer J, et al. **Cytogenet Cell Genet** 1984;38(2):142–9
The ontogeny of expression of murine metallothionein: comparison with the alpha–fetoprotein gene. Andrews GK, et al. **Dev Biol** 1984 Jun;103(2):294–303
Differential expression of albumin and alpha–fetoprotein genes in fetal tissues of mouse and rat. Sellem CH, et al. **Dev Biol** 1984 Mar;102(1):51–60
Tissue specificity of alpha–fetoprotein messenger RNA expression during mouse embryogenesis. Dziadek MA, et al. **EMBO J** 1983;2(4):549–54
Developmental changes in the expression of alpha–fetoprotein & albumin genes in rat liver: correlation of rates of synthesis of the two proteins in the hepatocytes, their hepatic contents & serum levels during development. Ali M, et al. **Indian J Biochem Biophys** 1983 Aug; 20(4):218–21
Evolution of the albumin: alpha–fetoprotein ancestral gene from the amplification of a 27 nucleotide sequence. Alexander F, et al. **J Mol Biol** 1984 Feb 25;173(2):159–73
Determination of the likelihood of repetitive sequences in the alpha–fetoprotein gene. Young PR, et al. **J Mol Biol** 1984 Feb 25;173(2):174–6
Tissue–specific activation of a cloned alpha–fetoprotein gene during differentiation of a transfected embryonal carcinoma cell line. Scott RW, et al. **Nature** 1984 Aug 16–22; 310(5978):562–7
Localization of the L1Md family of repeated sequences in the mouse albumin–alpha–fetoprotein gene complex. Cooper R, et al. **Nucleic Acids Res** 1984 Aug 24; 12(16):6575–86
Differential DNase I sensitivity of the albumin and alpha–fetoprotein genes in chromatin from rat tissues and cell lines. Nahon JL, et al. **Proc Natl Acad Sci USA** 1984 Aug;81(16):5031–5
Locus unlinked to alpha–fetoprotein under the control of the murine raf and Rif genes. Pachnis V, et al. **Proc Natl Acad Sci USA** 1984 Sep;81(17):5523–7
Molecular mechanisms of extinction of liver–specific functions in mouse hepatoma rat fibroblast hybrids: extinction of alpha–fetoprotein gene. Church WK, et al. **Somatic Cell Mol Genet** 1984 Sep;10(5):541–5

IMMUNOLOGY

Mechanisms of fetal demise in pregnant mice immunized to murine alpha–fetoprotein. Mizejewski GJ, et al. **Am J Reprod Immunol** 1984 Jan–Feb;5(1):32–8
Human alpha–fetoprotein–rich fraction inhibits galactocerebroside antibody–mediated lysis of oligodendrocytes in vitro. Lubetzki–Korn I, et al. **Ann Neurol** 1984 Feb;15(2):171–80
A role of alpha–fetoprotein in autoimmune diseases. Abramsky O, et al. **Ann NY Acad Sci** 1983;417:108–16 (31 ref.)
Monoclonal antibodies against AFP: application in immunoassay and affinity chromatography. Nishi S, et al. **Ann NY Acad Sci** 1983;417:452–8
Effect of a conjugate of daunomycin and purified polyclonal or monoclonal antibodies to rat alpha–fetoprotein on the growth of alpha–fetoprotein–producing tumor cells. Tsukada Y, et al. **Ann NY Acad Sci** 1983;417:262–9
The immunosuppressive properties of alpha–fetoprotein: a brief overview. Yachnin S. **Ann NY Acad Sci** 1983; 417:105–7
Monoclonal antibodies to different epitopes of human alpha–fetoprotein (AFP). Micheel B, et al. **Eur J Cancer Clin Oncol** 1983 Sep;19(9):1239–46
The inhibitory effects of horse anti–rat AFP antiserum on the uptake of 2–deoxy–D–glucose by AFP–producing rat hepatoma cells. Ohkawa K, et al. **Int J Cancer** 1984 Apr 15;33(4):497–502
Preparation by irradiation of a solid support for enzyme immunoassay. Kumakura M, et al. **J Immunol Methods** 1984 Apr 13;69(1):79–84
An antibody chimera technique applied to enzyme immunoassay for human alpha–1–fetoprotein with monoclonal and polyclonal antibodies. Porstmann B, et al. **J Immunol Methods** 1984 Jan 20;66(1):179–85
Characterization by Scatchard plots of monoclonal antibody enzyme conjugates directed against alpha–1–foetoprotein. Porstmann T, et al. **J Immunol Methods** 1984 Feb 10; 66(2):277–84
Hepatitis B surface antigen and alpha–1–fetoprotein in hepatoma. Reports of 157 cases. Pongpipat D, et al. **J Med Assoc Thai** 1983 Nov;66(11):696–9
alpha–Fetoprotein and neonatal transient myasthenia gravis [letter] Heininger K, et al. **Neurology (NY)** 1984 Mar; 34(3):403–4
Localizing properties of antibody to alphafetoprotein (AFP) to AFP–producing tumor cells. Kono K, et al. **Oncodev Biol Med** 1983;4(6):C87–94
Serotherapy of AFP–producing tumors with the purified antibody to AFP. Kusumoto Y, et al. **Oncodev Biol Med** 1983;4(6):C95–100
Presence of immunoglobulin G in human sera binding to alphafetoprotein. Nakata K, et al. **Oncodev Biol Med** 1983; 4(6):C101–4
Studies on lectin affinities of chicken alpha–fetoprotein during ontogeny. Neumann U. **Poult Sci** 1984 Feb; 63(2):360–8
[Monoclonal antibody against human AFP from LACA mice and its characterization] Wang YF. **Chung Hua Chung Liu Tsa Chih** 1984 Jan;6(1):8–11 (Eng. Abstr.) **(Chi)**
[Preparation of conjugates of adriamycin with antibodies to alpha–fetoprotein and their properties] Nishiwaki S, et al. **Gan To Kagaku Ryoho** 1984 Aug;11(8):1591–7 (Eng. Abstr.) **(Jpn)**
[Effect of antibody to rat alpha–fetoprotein (AFP) on protein and DNA synthesis of rat ascites hepatoma AH66 cells] Ohkawa K, et al. **Gan To Kagaku Ryoho** 1984 Feb; 11(2):227–34 (Eng. Abstr.) **(Jpn)**
[The effect of anti–human AFP serum for AFP producing stomach cancer xenotransplanted nude mice] Takahashi Y, et al. **Gan To Kagaku Ryoho** 1984 Apr;11(4):894–901 (Eng. Abstr.) **(Jpn)**
[Presence of anti–AFP–antibody producing B cells in peripheral blood lymphocyte of hepatocellular carcinoma patient] Asano T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Feb;81(2):278 **(Jpn)**

ISOLATION & PURIFICATION

Isolation, characterization and synthesis of alpha–foetoprotein from neonatal–rat skin. Mujoo K, et al. **Biochem J** 1983 Oct 15;216(1):227–31
Guinea–pig alpha 1–fetoprotein: purification, characterization, developmental and hormonal regulation, and behavior in diethylnitrosamine hepatocarcinogenesis. Gourdeau H, et al. **Can J Biochem Cell Biol** 1983 Oct; 61(10):1133–46
A novel purification procedure for human alpha–fetoprotein by application of immobilised Cibacron Blue F3G–A as affinity ligand. Huse K, et al. **Clin Chim Acta** 1983 Oct 14;133(3):335–40
Identification of fetuin in human and rat fetuses and in other species. Dziegielewska KM, et al. **Comp Biochem Physiol [A]** 1983;76(2):241–5
Isolation, characterization, and synthesis of alpha–fetoprotein from neonatal rat brain. Mujoo K, et al. **J Neurochem** 1983 Nov;41(5):1223–8
Alphafetoprotein: the genesis. Abelev GI. **Oncodev Biol Med** 1983;4(6):371–81
Lectin–binding heterogeneity of alphafetoprotein (AFP). An observation in nude mouse xenografts of endodermal sinus tumors and in pediatric surgical patients. Tsuchida Y, et al. **Oncodev Biol Med** 1983;4(6):C53–61
[Serum alpha–fetoprotein in patients with hepatic malignancies. I. Subfractions identified by Con A crossed–line affinity immunoelectrophoresis] Sakaguchi H, et al. **Rinsho Byori** 1984 Feb;32(2):165–8 **(Jpn)**

METABOLISM

Changes in serum alpha–fetoprotein and chorionic gonadotropin in response to cancer therapy. Nisselbaum JS, et al. **Ann Clin Lab Sci** 1984 May–Jun;14(3):179–88
Molecular mechanism of change in serum alpha–fetoprotein concentration during neonatal development of analbuminemic rats. Makino R, et al. **Ann NY Acad Sci** 1983;417:31–8
The role of nonesterified fatty acids and of alpha 1–fetoprotein in estrogen–dependent endocrine systems. Nunez EA, et al. **Ann NY Acad Sci** 1983;417:137–48 (48 ref.)
Distinct molecular species of human alpha–fetoprotein due to differential affinities to lectins. Taketa K, et al. **Ann NY Acad Sci** 1983;417:61–8
A spectroscopic study of the hemin–human–alpha–fetoprotein system. Zižkovský V, et al. **Ann NY Acad Sci** 1983;417:57–60
Interaction of retinoids and bilirubin with the binding of arachidonic acid to human alpha–fetoprotein. Aussel C, et al. **Biochem Biophys Res Commun** 1984 Mar 30; 119(3):1122–7
Alpha–fetoprotein receptors in a human breast cancer cell line. Villacampa MJ, et al.

Biochem Biophys Res Commun 1984 Aug 16;122(3):1322–7

Drug–binding properties of rat alpha 1–foetoprotein. Binding of warfarin, phenylbutazone, azapropazone, diazepam, digitoxin and cholic acid. Hervé F, et al. **Biochem J** 1984 Jul 15;221(2):401–6

The serum competitor of oestrogen—rat alpha 1–foetoprotein interactions. Identification as a mixture of non–esterified fatty acids. Vallette G, et al. **Biochem J** 1980 Jun 1; 187(3):851–6

Intracellular segregation of asialo–transferrin and asialo–fetuin following uptake by the same receptor system in suspended hepatocytes. Tolleshaug H. **Biochim Biophys Acta** 1984 Mar 23;803(3):182–90

Relationship of alpha–fetoprotein and albumin in fetuses and neonates from genetically lean and obese swine. Stone RT. **Biol Neonate** 1984;46(3):122–30

Incorporation of radiolabelled alphafetoprotein in the brain and other tissues of the developing rat. Villacampa MJ, et al. **Brain Res** 1984 Jan;314(1):77–82

Carrier proteins in human fetal serum: bilirubin–binding abilities of albumin, alpha–fetoprotein and ligandin. Hirano K, et al. **Chem Pharm Bull (Tokyo)** 1984 Feb;32(2):708–15

Alpha–fetoprotein assay in patients treated with low–dose oral contraceptives. Dessole S, et al. **Clin Exp Obstet Gynecol** 1984;11(3):76–8

In vitro uptake of exogenous alpha–fetoprotein by chicken dorsal root ganglia. Hajeri–Germond M, et al. **Dev Neurosci** 1983–84;6(2):111–7

The kinetics of estrogen binding to rat alpha–fetoprotein. Keel BA, et al. **Experientia** 1984 May 15;40(5):503–5

Conformational transitions of human alpha–1 fetoprotein and serum albumin at acid and alkaline pH. Strop P, et al. **Int J Biochem** 1984;16(7):805–13

Triazine dye binding of human alpha–fetoprotein and albumin. Birkenmeier G, et al. **J Chromatogr** 1983 Jul 29; 265(1):27–35

Increased alpha–fetoprotein concentration in association with ileal adenocarcinoma complicating Crohn's disease. Leader M, et al. **J Clin Pathol** 1984 Mar;37(3):293–7

Interaction between rat alpha 1 fetoprotein and fluorescent derivatives of estrone in relation to the position and type of the fluorescent label. Desfosses B, et al. **J Steroid Biochem** 1983 Dec;19(6):1811–6

Comparative binding properties of rat and human alpha–fetoproteins for arachidonic acid and estradiol. Aussel C, et al. **Res Commun Chem Pathol Pharmacol** 1983 Nov;42(2):261–9

[Accumulation of radiolabeled alpha fetoprotein in spontaneous mammary tumors in mice] Uriel J, et al. **C R Seances Acad Sci [III]** 1983;297(13):589–92 (Eng. Abstr.) **(Fre)**

[Case of germ cell tumor of the pineal region with elevation of serum and csf alpha–fetoprotein levels following histological change] Hamada H, et al. **Neurol Med Chir (Tokyo)** 1983 Oct;23(10):802–6 (Eng. Abstr.) **(Jpn)**

[Clinical application of the theoretical and actual decay curves of serum AFP on patients with AFP producing tumor testicular] Kawakami Y, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 May;74(5):790–7 (Eng. Abstr.) **(Jpn)**

[Differential diagnosis of AFP–producing chest tumors by tumor markers] Ito M, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1984 Jan;22(1):26–31 (Eng. Abstr.) **(Jpn)**

[Germ cell tumor in the basal ganglia with elevated serum and CSF alpha–fetoprotein levels] Saitoh Y, et al. **No To Shinkei** 1983 Sep;35(9):935–9 (Eng. Abstr.) **(Jpn)**

[Heterogeneous reactivity of alpha–fetoprotein from primary liver neoplasms and benign liver diseases with lectins] Aoyagi Y, et al. **Rinsho Byori** 1983 Dec;31(12):1286–93 **(Jpn)**

PHARMACODYNAMICS

Inhibition of in vitro lymphocyte blastogenesis by chicken alpha–fetoprotein. Neumann U. **Comp Immunol Microbiol Infect Dis** 1984;7(1):43–52

Estrogen induction of progestophilins in rat estrogen–sensitive cells grown in media supplemented with sera from castrated rats and from rats bearing an alpha–fetoprotein–secreting hepatoma. Soto AM, et al. **Exp Cell Res** 1984 Feb;150(2):390–9

Prostaglandin synthesis in human placenta and fetal membranes: partial inhibition by rat and human alpha–fetoproteins. Aussel C. **Res Commun Chem Pathol Pharmacol** 1984 Jul;45(1):157–60

PHYSIOLOGY

Alpha–fetoprotein inhibits macrophage expression of Ia antigens. Lu CY, et al. **J Immunol** 1984 Apr;132(4):1722–7

[Alpha–fetoprotein and blockade of the sexual cycle] Seralini GE, et al. **C R Seances Acad Sci [III]** 1984;298(14):397–402 (Eng. Abstr.) **(Fre)**

SECRETION

Secretion of albumin and alpha–foetoprotein by dimethylsulphoxide–stimulated hepatocellular carcinoma cells. Higgins PJ, et al. **Br J Cancer** 1983 Oct;48(4):485–93

Transformation of an AFP–positive yolk sac carcinoma into an AFP–negative neoplasm. Evidence for in vivo cloning of the human parietal yolk sac carcinoma. Damjanov I, et al. **Cancer** 1984 May 1;53(9):1902–7

Establishment of an alpha–fetoprotein–producing human gastric carcinoma in nude mice. Ezaki T, et al. **Gann** 1983 Dec;74(6):870–7

Secretion of human chorionic gonadotropin and alpha–fetoprotein by an ovarian germ cell tumor of apparent yolk sac origin. Huang SC, et al. **Gynecol Oncol** 1984 Jun;18(2):240–6

[An unusual renal tumor, associating nephroblastoma, nephroblastomatosis, teratoma, and cystic dysplasia with arterial hypertension and secretion of alpha–fetoprotein] Roth A. **J Urol (Paris)** 1984;90(1):7–10 (Eng. Abstr.) **(Fre)**

[Establishment and some characteristics of AFP–producing human hepatoma cell line] Nohara T, et al. **Nippon Geka Hokan** 1983 May 1;52(3):358–71 (Eng. Abstr.) **(Jpn)**

URINE

[High–frequency variants of quantitative immunoelectrophoresis] Zorin NA. **Lab Delo** 1983; (10):40–3 (Eng. Abstr.) **(Rus)**

ALPHA–GALACTOSIDASES see under **GALACTOSIDASES**

ALPHA GLOBULINS

[Human alpha 1–microglobulin] Itoh Y, et al. **Rinsho Byori** 1983 May;31(5):468–73 (29 ref.) **(Jpn)**

ANALYSIS

Changes of C1 esterase inhibitor, alpha2 globulin and sedimentation rate after severe brain injury. Spiteri D, et al. **Acta Neurol (Napoli)** 1983 Dec;5(6):420–5

Inter–alpha–trypsin inhibitor (ITI): use of new antisera for qualitative studies and discrete quantitation of ITI and its derivatives. Salier JP, et al. **Anal Biochem** 1983 Sep; 133(2):336–43

Characterization of rat alpha 1 microglobulin. Vincent C, et al. **Biochem Biophys Res Commun** 1983 Oct 14; 116(1):180–8

Conformational studies of the human complex–forming glycoprotein, heterogeneous in charge: protein HC. Gavilanes JG, et al. **Biochemistry** 1984 Mar 13;23(6):1234–8

Suitability of Fantagen dyes and tablet blisters for the disperse dye immunoassay. Lasch J, et al. **Biomed Biochim Acta** 1984;43(2):249–53

Steroid hormone binding macromolecules in meningiomas. Failure to meet criteria of specific receptors. Schwartz MR, et al. **Cancer** 1984 Feb 15;53(4):922–7

Immunohistological localization of alpha 1–microglobulin in normal rat tissues. Bouic P, et al. **J Histochem Cytochem** 1984 Jul;32(7):717–23

alpha 1–microglobulin in cadmium poisoning [letter] Itoh Y, et al. **Nephron** 1983;35(3):211–2

[Improvement of CIS–RIA kit for thyroxine binding globulin] Okada T, et al. **Horumon To Rinsho** 1983 Sep; 31(9):937–41 **(Jpn)**

[Evaluation on the interaction between thyroxine binding globulin (TBG) and thyroxine (T4) in healthy subjects and pregnant women] Sakata S, et al. **Nippon Naibunpi Gakkai Zasshi** 1983 Sep 20;59(9):1256–64 (Eng. Abstr.) **(Jpn)**

[Human alpha 1–microglobulin in normal pregnancy. Studies on human alpha 1–microglobulin] Itoh Y, et al. **Rinsho Byori** 1983 Apr;31(4):405–8 **(Jpn)**

[Acute–phase proteins in the blood of pregnant women] Elsayed S, et al. **Tidsskr Nor Laegeforen** 1984 Jan 30; 104(3):155–7 (Eng. Abstr.) **(Nor)**

[Specific proteins of seminal plasma in different disorders of spermatogenesis] Pshenichnikova TIa, et al. **Akush Ginekol (Mosk)** 1983 Sep;(9):42–5 (12 ref.) (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Regulation of a thyroid hormone–dependent protein by growth hormone: the induction of hepatic alpha 2U globulin and its messenger ribonucleic acid in adult male hypothyroid rats. Shapiro LE. **Endocrinology** 1983 Oct; 113(4):1280–6

Inter–alpha–trypsin–inhibitor (ITI): two distinct mRNAs in baboon liver argue for a discrete synthesis of ITI and ITI derivatives. Bourguignon J, et al. **FEBS Lett** 1983 Oct 17; 162(2):379–83

Monoclonal antibodies to alpha 2u–globulin and immunocytofluorometric analysis of alpha 2u–globulin–synthesizing hepatocytes during androgenic induction and aging. Motwani NM, et al. **J Biol Chem** 1984 Mar 25;259(6):3653–7

BLOOD

Response of transcortin and alpha 2u–globulin to turpentine–induced inflammation in the rat: influence of corticosteroids and prolactin. Faict D, et al. **J Endocrinol** 1983 Dec;99(3):465–8

DEFICIENCY

[Thyroxine–binding globulin deficiency in a family] Hosojima H, et al. **Nippon Naibunpi Gakkai Zasshi** 1983 Sep 20; 59(9):1213–8 (Eng. Abstr.) **(Jpn)**

GENETICS

The occurrence of the alpha G–Philadelphia–globin allele on a double–locus chromosome. Bruzdzinski CJ, et al. **Am J Hum Genet** 1984 Jan;36(1):101–9

Heritability of quantitative variation at the group–specific component (Gc) locus. Daiger SP, et al. **Am J Hum Genet** 1984 May;36(3):663–76

Post–translational heterogeneity of the human vitamin D–binding protein (group–specific component). Coppenhaver DH, et al. **Arch Biochem Biophys** 1983 Oct 1;226(1):218–23

The typing of group–specific component (Gc protein) in human blood stains. Kimura H, et al. **Forensic Sci Int** 1983 Jul;22(1):49–55

Genetic polymorphism of serum postalbumin (Po) and pretransferrin (Prt) in the laboratory rabbit. Juneja RK, et al. **Hereditas** 1984;100(1):11–5

Alpha–globin gene deletions associated with alpha A and alpha G Philadelphia in an Algerian family that includes two Hb G homozygotes. Morle F, et al. **Hum Genet** 1984; 65(3):303–7

Genetic polymorphism of red cell enzymes (AcP, EsD, GPT, 6–PGD) and of serum protein(Gc) in Fukushima Prefecture. Abe S. **Jinrui Idengaku Zasshi** 1983 Sep; 28(3):195–200

Geographical cline of allele frequency of group–specific component (GC) in the Japanese populations: an analysis of data obtained by immunoelectrophoresis. Yuasa I, et al. **Jinrui Idengaku Zasshi** 1983 Dec;28(4):255–61

cis and trans activation of globin gene transcription in transient assays. Treisman R, et al. **Proc Natl Acad Sci USA** 1983 Dec;80(24):7428–32

Hormone and age–dependent regulation of alpha 2u–globulin gene expression. Roy AK, et al. **Recent Prog Horm Res** 1983;39:425–61 (67 ref.)

IMMUNOLOGY

Purification and some properties of a plasma protein which reacts with an antiserum against urinary trypsin inhibitor–1. Maehara S, et al. **Scand J Clin Lab Invest** 1983 Feb; 43(1):21–6

ISOLATION & PURIFICATION

The complete amino acid sequence of human complex–forming glycoprotein heterogeneous in charge (protein HC) from one individual. López Otin C, et al. **Arch Biochem Biophys** 1984 Feb 1;228(2):544–54

Neutral microprotein, a novel human plasma and urinary protein associated with a yellow–brown chromophore. Isolation from protein HC preparations and partial characterization. López–Otin C, et al. **Biochem Biophys Res Commun** 1983 Nov 30;117(1):202–9

Two binding proteins for progesterone in the bovine corpus luteum. Willcox DL. **Biol Reprod** 1983 Sep;29(2):487–97

Heterogeneity of alpha 2u–globulin gene products in different translational systems, plasma and urine. Mertens B, et al. **FEBS Lett** 1983 Oct 17;162(2):296–9

Kunitz–type proteinase inhibitors derived by limited proteolysis of the inter–alpha–trypsin inhibitor, IX. Isolation and characterization of the inhibitory parts of inter–alpha–trypsin inhibitors from several mammalian sera. Albrecht GJ, et al. **Hoppe Seylers Z Physiol Chem** 1983 Dec;364(12):1697–702

Kunitz–type proteinase inhibitors derived by limited proteolysis of the inter–alpha–trypsin inhibitor, VII. Determination of the amino–acid sequence of the trypsin–released inhibitor from bovine inter–alpha–trypsin inhibitor. Hochstrasser K, et al. **Hoppe Seylers Z Physiol Chem** 1983 Dec;364(12):1679–87

Kunitz–type proteinase inhibitors derived by limited proteolysis of the inter–alpha–trypsin inhibitor, VII. Characterization of the bovine inhibitor as double–headed trypsin–elastase inhibitor. Hochstrasser K, et al. **Hoppe Seylers Z Physiol Chem** 1983 Dec;364(12):1689–96

Isolation of human complex–forming glycoprotein, heterogeneous in charge (protein HC), and its IgA complex from plasma. Physiochemical and immunochemical properties, normal plasma concentration. Grubb AO, et al. **J Biol Chem** 1983 Dec 10;258(23):14698–707

METABOLISM

Tissue distribution of guinea pig alpha 1–microglobulin. Akerström B. **Cell Mol Biol** 1983;29(6):489–95

Progesterone–binding globulin interaction with its steroid ligands: study of the protein binding site topography using spin labeled steroids and electron spin resonance spectroscopy. Defaye G, et al. **Chem Biol Interact** 1983 Aug 15;46(1):1–9

Quantitative study of human blood alpha–1–antitrypsin, alpha–2–macroglobulin and inter–alpha–trypsin–inhibitor with respect to plasma renin activity. Sesboüé R, et al. **Clin Chim Acta** 1983 Nov 30;135(1):23–33

Human alpha 1–microglobulin in various hepatic disorders. Itoh Y, et al. **Digestion** 1983;27(2):75–80

[Function of the tubular epithelial cells] Ozaki S. **Rinsho Byori** 1983 May;31(5):499–502 **(Jpn)**

[Vitamin D–binding protein] Bielecka L, et al. **Postepy Biochem** 1983;29(1):53–66 (41 ref.) **(Pol)**

[Immunochemical study of the alpha 2-microglobulin of fertility in the endometrium] Petrunin DD, et al. **Akush Ginekol (Mosk)** 1983 Sep;(9):27-9 (7 ref.) (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Elastase inhibition by the inter-alpha-trypsin inhibitor and derived inhibitors of man and cattle. Albrecht GJ, et al. **Hoppe Seylers Z Physiol Chem** 1983 Dec;364(12):1703-8

PHYSIOLOGY

Experiences with evaluation of immunosuppressive activity of alpha-globulin fraction of human blood plasma. Bednařík T, et al. **Czech Med** 1984;7(2):100-6

Inter-alpha-trypsin inhibitor of human serum: an inhibitor of polymorphonuclear granulocyte elastase. Jochum M, et al. **Hoppe Seylers Z Physiol Chem** 1983 Dec; 364(12):1709-15

Detection of human T-lymphocyte receptor for sheep erythrocytes in immunoregulatory alpha-globulin. Musatti CC, et al. **J Clin Immunol** 1983 Oct;3(4):352-8

Investigation of putative androgen-like activity of alpha 2u-globulin in castrated and estrogen-treated male rats. Ekstrom RC, et al. **Proc Soc Exp Biol Med** 1984 Apr; 175(4):491-6

[Role of the fertility alpha 2-microglobulin in the mechanism of labor] Petrunin DD, et al. **Akush Ginekol (Mosk)** 1983 Aug;(8):23-5 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Antitumor effects of a normal human serum factor (normal human globulin fraction 1) on human tumor cells in vitro. Wanebo HJ, et al. **JNCI** 1984 Mar;72(3):545-56

URINE

Alpha 1-microglobulin in urine as an indicator of renal tubular damage caused by environmental cadmium exposure. Nogawa K, et al. **Toxicol Lett** 1984 Jul;22(1):63-8

[Concentration of acid-stable inhibitors—metabolites of plasma inter-alpha trypsin inhibitor—in the urine of healthy people and in patients with nephrotic syndrome] Ogloblina OG, et al. **Vopr Med Khim** 1984 Mar-Apr;30(2):104-8 (Eng. Abstr.) **(Rus)**

1,4-ALPHA-GLUCAN BRANCHING ENZYME see under **GLUCOSYLTRANSFERASES**

ALPHA 2-GLUCOPROTEINS see **ALPHA MACROGLOBULINS**

ALPHA-GLUCOSIDASES see under **GLUCOSIDASES**

ALPHA-HEPARIN see **HEPARIN**

ALPHA-HYPOPHAMINE see **OXYTOCIN**

ALPHA LIPOPROTEINS see **LIPOPROTEINS, HDL**

ALPHA MACROFETOPROTEINS see **ALPHA MACROGLOBULINS**

ALPHA MACROGLOBULINS

Synthetic lactam and thiolactone models of protein metastable binding sites. Erickson BW, et al. **Ann NY Acad Sci** 1983;421:167-77

Stoichiometry of reactions of alpha 2-macroglobulin with trypsin and chymotrypsin. Björk I, et al. **Biochem J** 1984 Jan 1;217(1):303-8

Removal of endoproteinases from biological fluids by 'sandwich affinity chromatography' with alpha 2-macroglobulin bound to zinc chelate-Sepharose. Wunderwald P, et al. **J Appl Biochem** 1983 Feb-Apr; 5(1-2):31-42

Primary structure of human alpha 2-macroglobulin. IV. Primary structure of two large CNBr fragments, located in the COOH-terminal part and accounting for 337 residues. Kristensen T, et al. **J Biol Chem** 1984 Jul 10; 259(13):8313-7

Primary structure of human alpha 2-macroglobulin. I. Isolation of the 26 CNBr fragments, amino acid sequence of 13 small CNBr fragments, amino acid sequence of methionine-containing peptides, and alignment of all CNBr fragments. Sottrup-Jensen L, et al. **J Biol Chem** 1984 Jul 10;259(13):8293-303

Primary structure of human alpha 2-macroglobulin. V. The complete structure. Sottrup-Jensen L, et al. **J Biol Chem** 1984 Jul 10;259(13):8318-27

Primary structure of human alpha 2-macroglobulin. II. Primary structure of eight CNBr fragments located in the NH2-terminal half of alpha 2-macroglobulin, accounting for 603 amino acid residues. Sottrup-Jensen L, et al. **J Biol Chem** 1984 Jul 10;259(13):8304-9

Primary structure of human alpha 2-macroglobulin. III. Primary structure of three large disulfide-bridged CNBr fragments, located in the COOH-terminal part of alpha 2-macroglobulin and accounting for 301 residues. Stepanik TM, et al. **J Biol Chem** 1984 Jul 10;259(13):8310-2

Appendix. Structural predictions on alpha 2-macroglobulin from the amino acid sequence. Welinder KG, et al. **J Biol Chem** 1984 Jul 10;259(13):8328-31

ADMINISTRATION & DOSAGE

Experimental synovitis induced by intraarticular administration of alpha 2-macroglobulin-proteinase complexes. Steffen C, et al. **Arthritis Rheum** 1984 Aug; 27(8):897-904

ANALYSIS

alpha 2 M-PASEBIC assay: a solid phase immunosorbent assay to characterize alpha 2-macroglobulin - proteinase complexes and the proteinase binding-capacity of alpha 2-macroglobulin. Borth W. **Adv Exp Med Biol** 1984; 167:363-9

Quantitation of human leukocyte elastase, cathepsin G, alpha-2-macroglobulin and alpha-1-proteinase inhibitor in osteoarthrosis and rheumatoid arthritis synovial fluids. Virca GD, et al. **Adv Exp Med Biol** 1984;167:345-53

The comparative evaluation of alpha-2-macroglobulin and immunoglobulin levels in sera of patients with bronchial asthma. Ptusa T, et al. **Allerg Immunol (Leipz)** 1983; 29(3):154-9

Plasma prekallikrein, factor XII, antithrombin III, C1(-)-inhibitor and alpha 2-macroglobulin in critically ill patients with suspected disseminated intravascular coagulation (DIC). Lämmle B, et al. **Am J Clin Pathol** 1984 Oct;82(4):396-404

Relation of alpha 2-macroglobulin and other antiproteases to the clinical features of acute pancreatitis. McMahon MJ, et al. **Am J Surg** 1984 Jan;147(1):164-70

Alpha-fetoprotein (AFP) and alpha 2-macroglobulin (alpha 2-M) as the markers of distinct responses of hepatocytes to carcinogens in the rat: carcinogenesis. Doležalová V, et al. **Ann NY Acad Sci** 1983;417:294-307

Characterization of alpha 2-macroglobulin from plasma of cystic fibrosis patients and controls. Back SA, et al. **Biochem Med** 1983 Aug;30(1):34-42

Suitability of Fantagen dyes and tablet blisters for the disperse dye immunoassay. Lasch J, et al. **Biomed Biochim Acta** 1984;43(2):249-53

Plasmin-alpha 2-antiplasmin complexes in bleeding disorders characterized by primary or secondary fibrinolysis. Booth NA, et al. **Br J Haematol** 1984 Apr;56(4):545-56

Presence of alpha-2-macroglobulin in normal but not in malignant cervical epithelium. Saksela O, et al. **Cancer Res** 1984 Jul;44(7):2942-6

Detection of alpha 2-macroglobulin-associated proteases in the plasma of patients with rheumatoid arthritis. Gaspar A, et al. **Clin Chem** 1984 Sep;30(9):1517-22

Identification of 'embryonin' as bovine alpha 2-macroglobulin. Feldman SR, et al. **J Biol Chem** 1984 Apr 10;259(7):4458-62

Differential isoelectric focusing properties of crude and purified human alpha 2-macroglobulin and alpha 2-macroglobulin-proteinase complexes. Back SA, et al. **J Chromatogr** 1983 Nov 11;278(1):43-51

Regulation of factor Xa in vitro in human and mouse plasma and in vivo in mouse. Role of the endothelium and plasma proteinase inhibitors. Fuchs HE, et al. **J Clin Invest** 1983 Dec;72(6):2041-9

Platelet and coagulation factors in proliferative diabetic retinopathy. Borsey DQ, et al. **J Clin Pathol** 1984 Jun; 37(6):659-64

Concentrations of serum protease inhibitors and immunoglobulins in juvenile periodontitis. Sandholm L, et al. **J Periodont Res** 1983 Sep;18(5):527-33

Determination of plasmin-alpha 2-antiplasmin complex in plasma samples by means of a radioimmunoassay. Wiman B, et al. **Scand J Clin Lab Invest** 1983 Feb;43(1):27-33

The beta-Cys-gamma-Glu thiolester bond in human C3, C4, and alpha 2-macroglobulin. Tack BF. **Springer Semin Immunopathol** 1983;6(4):259-82 (82 ref.)

Individual levels of plasma alpha 2-antiplasmin and alpha 2-macroglobulin during the normal menstrual cycle and in women on oral contraceptives low in oestrogen. Jespersen J, et al. **Thromb Haemost** 1983 Aug 30; 50(2):581-5

[Determination of alpha-fetoprotein, cholinesterase and alpha 2-macroglobulin in the amniotic fluid in the diagnosis of neural tube defects] Lamedica G, et al. **Ann Ostet Ginecol Med Perinat** 1983 Jul-Aug;104(4):261-9 (Eng. Abstr.) **(Ita)**

[Alpha2-macroglobulin in diabetic disease and in its microangiopathic complications] Volpi A, et al. **Minerva Med** 1983 Oct 13;74(39):2287-9 (Eng. Abstr.) **(Ita)**

[Studies on the function of monocytes from patients with multiple myeloma. III. Relationship between alpha-glycoprotein and the suppressor function of monocytes] Funato T, et al. **Rinsho Ketsueki** 1984 Jan; 25(1):9-16 (Eng. Abstr.) **(Jpn)**

[Characteristics of changes in main serum proteinase inhibitors (alpha 1-antitrypsin and alpha 2-macroglobulin) in patients with pulmonary tuberculosis] Kaminskaia GO, et al. **Probl Tuberk** 1983 Dec;(12):50-6 (Eng. Abstr.) **(Rus)**

[The state of various components of the kallikrein-kinin system of the blood plasma in children with rheumatoid arthritis during sanatorium and health resort treatment] Kudria VI. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Mar-Apr;(2):31-3 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Synthesis of alpha 2-macroglobulin by cultured adherent cells. Mosher DF. **Ann NY Acad Sci** 1983;421:327-31

Synthesis of acute-phase alpha 2-macroglobulin during inflammation and pregnancy. Panrucker DE, et al. **Ann NY Acad Sci** 1983;417:117-24

Synthesis of acute-phase alpha 2-macroglobulin during fetal rat development. Panrucker DE, et al. **Ann NY Acad Sci** 1983;421:391-3

Long term production of acute-phase proteins by adult rat hepatocytes co-cultured with another liver cell type in serum-free medium. Guillouzo A, et al. **Biochem Biophys Res Commun** 1984 Apr 30;120(2):311-7

Glucocorticoids and catecholamines as mediators of acute-phase proteins, especially rat alpha-macrofoetoprotein. van Gool J, et al. **Biochem J** 1984 May 15;220(1):125-32

Role of prostaglandins in acute phase proteins in inflammation. Anbalagan K, et al. **Biochem Med** 1984 Apr; 31(2):236-45

Cell-free synthesis of rat alpha 2-macroglobulin and induction of its mRNA during experimental inflammation. Northemann W, et al. **Eur J Biochem** 1983 Dec 1; 137(1-2):257-62

Plasminogen activators, activation inhibitors and alpha 2-macroglobulin produced by cultured normal and malignant human cells. Saksela O, et al. **Int J Cancer** 1984 May 15;33(5):609-16

BLOOD

Serum alpha 2 macroglobulin levels—an additional biochemical marker for differential diagnosis of cholestatic jaundice. Kar P, et al. **J Assoc Physicians India** 1984 Mar; 32(3):269-70

[alpha 2-Macroglobulin in serum and plasma: reference values with carbobenzoxy-valyl-glycyl-arginine-p-nitroanilide, a chromogenic substrate] Witt I, et al. **J Clin Chem Clin Biochem** 1983 Jul;21(7):429-36 (Eng. Abstr.) **(Ger)**

GENETICS

The evolution of human alpha 2-macroglobulin: further evidence for a common ancestry with the complement proteins. Starkey PM. **Ann NY Acad Sci** 1983;421:112-8

Amino acid sequence homology between the C3 chain of rat prostatic steroid binding protein and human alpha 2-macroglobulin. Baker ME. **Biochem Biophys Res Commun** 1984 Jul 31;122(2):662-7

Messenger RNA activities of four acute phase proteins during inflammation. Northemann W, et al. **FEBS Lett** 1983 Sep 19;161(2):319-22

alpha 2-macroglobulin production by cultured human melanoma cells. Morgan AC Jr. **JNCI** 1984 Mar; 72(3):557-62

IMMUNOLOGY

A possible mechanism of immunoregulation produced by alpha 2-macroglobulin. Alomran A, et al. **Ann NY Acad Sci** 1983;421:394-7

Analysis of antigenic variation of human alpha 2-macroglobulin with monoclonal antibodies. Eager KB, et al. **Ann NY Acad Sci** 1983;421:154-5

Immunosuppression by human alpha 2-macroglobulin, a 3800 Mr peptide, and other derivatives. Hubbard WJ, et al. **Ann NY Acad Sci** 1983;421:332-9

The use of conventional antisera in the production of specific monoclonal antibodies. Eager KB, et al. **J Immunol Methods** 1983 Nov 11;64(1-2):157-64

Alpha-macroglobulins: enzyme-binding proteins modulating lymphocyte function. Ganea D, et al. **Surv Immunol Res** 1983;2(4):367-74

ISOLATION & PURIFICATION

An endopeptidase inhibitor found in Limulus plasma: an ancient form of alpha 2-macroglobulin. Quigley JP, et al. **Ann NY Acad Sci** 1983;421:119-24

Alpha 2-macroglobulin from horse plasma. Purification, properties and interaction with certain serine proteinases. Dubin A, et al. **Biochem Int** 1984 Apr;8(4):589-96

Comparative studies of pregnancy associated plasma protein-A and alpha 2-macroglobulin using metal chelate chromatography. Sinosich MJ, et al. **Biochem Int** 1983 Jul; 7(1):33-42

Quantification of granulocyte elastase inhibitors in human mixed saliva and in pure parotid secretion. Ohlsson M, et al. **Hoppe Seylers Z Physiol Chem** 1983 Sep;364(9):1323-8

Identification of two chromatographically separable forms of alpha-2-macroglobulin in human serum. Bhat PG, et al. **Indian J Biochem Biophys** 1983 Aug;20(4):232-5

Rat alpha 1-cysteine proteinase inhibitor. An acute phase reactant identical with alpha 1 acute phase globulin. Esnard F, et al. **J Biol Chem** 1983 Oct 25;258(20):12443-7

METABOLISM

Complexes of acid alpha 1-glycoprotein with immunoglobulins G in normal human blood serum. Wróblewski Z, et al. **Acta Biochim Pol** 1984;31(1):17-24

Role of alpha 2-macroglobulin: proteinase complexes in pathogenesis of inflammation. 'F' alpha 2M but not 'S' alpha

2M induces synovitis in rabbits after repeated intra-articular administration. Borth W, et al. **Adv Exp Med Biol** 1984;167:371-7

Guinea pig macroalbumin. A major inhibitor of activated Hageman factor in plasma with an alpha 2-macroglobulin-like nature. Ishimatsu T, et al. **Am J Pathol** 1984 Apr;115(1):57-69

Interaction of protein substrate and inhibitors with alpha 2-macroglobulin-bound proteinases. Bieth JG, et al. **Ann NY Acad Sci** 1983;421:209-17

alpha 2-Macroglobulin in joint disease. Borth W, et al. **Ann NY Acad Sci** 1983;421:377-81

Characterization of alpha 2-macroglobulin in cystic fibrosis. Bridges MA, et al. **Ann NY Acad Sci** 1983;421:360-8

Differential scanning calorimetry of alpha 2-macroglobulin. Chlebowski JF, et al. **Ann NY Acad Sci** 1983;421:156-7

A probe of the human plasmin-alpha 2-macroglobulin interaction utilizing monoclonal antibodies to human plasmin. Cummings HS, et al. **Ann NY Acad Sci** 1983; 421:143-8

Changes in alpha 2-macroglobulin conformation by reaction with trypsin and methylamine. Dangott LJ, et al. **Ann NY Acad Sci** 1983;421:158-9

The clinical relevance of alpha 2-macroglobulin. Donnelly PK, et al. **Ann NY Acad Sci** 1983;421:382-7

Current perspective on the thiolester bond in alpha 2-macroglobulin. Feinman RD. **Ann NY Acad Sci** 1983; 421:472-6

The role of enzyme lysyl amino groups in the reaction with alpha 2-macroglobulin. Feinman RD, et al. **Ann NY Acad Sci** 1983;421:178-87

Occurrence of reduced alpha 2-macroglobulin and lowered protease inhibiting capacity in plasma of amyotrophic lateral sclerosis patients. Festoff BW. **Ann NY Acad Sci** 1983;421:369-76

Effects of detergents on the activity of alpha 2-macroglobulin-protease complexes. Finlay TH, et al. **Ann NY Acad Sci** 1983;421:340-51

Chemical and structural modifications of alpha 2-macroglobulin: effects on receptor binding and endocytosis studied in an in vivo model. Gonias SL, et al. **Ann NY Acad Sci** 1983;421:457-71

Receptor-mediated endocytosis of alpha 2-macroglobulin: solubilization and partial purification of the fibroblast alpha 2-macroglobulin receptor. Hanover JA, et al. **Ann NY Acad Sci** 1983;421:410-23

Immunoassay of alpha 2-macroglobulin-enzyme complexes. Harpel PC. **Ann NY Acad Sci** 1983;421:134-42

The methylamine reactive site and protease inhibition in alpha 2-macroglobulin. Howard JB, et al. **Ann NY Acad Sci** 1983;421:160-6

Reactive centers in alpha 2-macroglobulin. Howard JB. **Ann NY Acad Sci** 1983;421:69-80

The role of the thioester bond in C3 and C4 in the determination of the conformational and functional states of the molecule. Isenman DE. **Ann NY Acad Sci** 1983; 421:277-90

Defective receptor binding of naturally occurring alpha 2-macroglobulin-protease complexes in cystic fibrosis by normal human fibroblasts. Marynen P, et al. **Ann NY Acad Sci** 1983;421:401-3

Structure of alpha 2-macroglobulin in solution and its interaction with proteases: an X-ray scattering study using the contrast variation method. Osterberg R, et al. **Ann NY Acad Sci** 1983;421:98-111

Structural arrangement of the proteinase binding sites in human alpha 2-macroglobulin. Pochon F, et al. **Ann NY Acad Sci** 1983;421:81-9

Interaction of alpha 2-macroglobulin with neutrophil and plasma proteinases. Salvesen G, et al. **Ann NY Acad Sci** 1983;421:316-26

Computer averaging of single molecules of two forms of alpha 2-macroglobulin and the alpha 2-macroglobulin/trypsin complex. Schramm HJ, et al. **Ann NY Acad Sci** 1983;421:149-53

Comparison of structural and functional properties of alpha 2-macroglobulin in controls and cystic fibrosis patients. Shapira E, et al. **Ann NY Acad Sci** 1983;421:352-9

Autolytic fragmentation of complement components C3 and C4 and its relationship to covalent binding activity. Sim RB, et al. **Ann NY Acad Sci** 1983;421:259-76

Generation and reactivity of 'nascent' alpha 2-macroglobulin: localization of cross-links in alpha 2-macroglobulin-trypsin complex. Sottrup-Jensen L, et al. **Ann NY Acad Sci** 1983; 421:188-208

The primary structure of alpha 2-macroglobulin and localization of a Factor XIIIa cross-linking site. Sottrup-Jensen L, et al. **Ann NY Acad Sci** 1983;421:41-60

Release of human neutrophil elastase from alpha 2-macroglobulin complexes containing human neutrophil elastase. Stone PJ, et al. **Ann NY Acad Sci** 1983;421:398-400

Intrinsic fluorescence analyses of structure-function relationships during alpha 2-macroglobulin-protease reactions. Straight DL, et al. **Ann NY Acad Sci** 1983; 421:125-33

Acidification of endocytic vesicles and the intracellular pathways of ligands and receptors. Tycko B, et al. **Ann NY Acad Sci** 1983;421:424-33

Monoclonal antibodies toward the receptor-recognition site on alpha 2-macroglobulin complexes. Van Leuven F, et al. **Ann NY Acad Sci** 1983;421:434-41

Structure of alpha 2-macroglobulin-protease complexes. Wang D, et al. **Ann NY Acad Sci** 1983;421:90-7

Cystic fibrosis: 'normalization' of monocyte-macrophage metabolism depends on the form of alpha 2-macroglobulin. Wilson GB, et al. **Ann NY Acad Sci** 1983;421:404-9

Non-productive activation of the proteinase binding sites of alpha 2-macroglobulin on reaction of the inhibitor with matrix-linked trypsin. Björk I. **Biochem Biophys Res Commun** 1984 Jan 30;118(2):691-5

Covalent binding of proteinases in their reaction with alpha 2-macroglobulin. Salvesen GS, et al. **Biochem J** 1980 Jun 1;187(3):695-701

Interaction of human plasmin with human alpha 2-macroglobulin. Cummings HS, et al. **Biochemistry** 1984 Jan 3;23(1):105-11

Conformational changes induced in human alpha 2-macroglobulin by protease and nucleophilic modification. Dangott LJ, et al. **Biochemistry** 1983 Jul 19; 22(15):3647-53

Reaction of human alpha 2-macroglobulin half-molecules with plasmin as a probe of protease binding site structure. Gonias SL, et al. **Biochemistry** 1983 Oct 11;22(21):4933-40

Kinetics of appearance of sulfhydryl groups in alpha 2-macroglobulin on reaction of the inhibitor with amines. Larsson LJ, et al. **Biochemistry** 1984 Jun 5;23(12):2802-7

Changes in the binding of 'fast'-form alpha 2-macroglobulin to 3T3-L1 cells after differentiation to adipocytes. Ney KA, et al. **Biochemistry** 1984 Jul 17;23(15):3395-403

Kinetics of the conformational alterations associated with nucleophilic modification of alpha 2-macroglobulin. Strickland DK, et al. **Biochemistry** 1984 Jul 3; 23(14):3115-24

Interaction of human plasma kallikrein and its light chain with alpha 2-macroglobulin. van der Graaf F, et al. **Biochemistry** 1984 Apr 10;23(8):1760-6

Covalent thrombin-alpha 2-macroglobulin complexes. Evidence for bivalent cross-linking of inhibitor chains by a single enzyme molecule. Wang D, et al. **Biochemistry** 1984 Jun 5;23(12):2807-11

Enzymatic properties of alpha 2-macroglobulin-proteinase complexes. Apparent discrimination between covalently and noncovalently bound trypsin by reaction with soybean trypsin inhibitor. Christensen U, et al. **Biochim Biophys Acta** 1983 Sep 28;747(3):263-75

Proteolytic activities of cobra venoms based on inactivation of alpha 2-macroglobulin. Evans HJ, et al. **Biochim Biophys Acta** 1984 Jan 31;784(2-3):97-101

alpha 2-Macroglobulin-proteinase complexes in cystic fibrosis serum. Analysis by monoclonal antibodies and receptor-mediated endocytosis by normal human fibroblasts. Marynen P, et al. **Biochim Biophys Acta** 1984 Jun 15;799(2):187-93

The two alpha 2-macroglobulin-bound trypsin molecules have different affinities for the basic pancreatic trypsin inhibitor. Tourbez M, et al. **Biochim Biophys Acta** 1984 Aug 28;789(1):74-9

Effect of methylamine and plasmin on the conformation of human alpha 2-macroglobulin as revealed by differential scanning calorimetric analysis. Cummings HS, et al. **Biophys J** 1984 Apr;45(4):721-4

Segregation of transferrin to a mildly acidic (pH 6.5) para-Golgi compartment in the recycling pathway. Yamashiro DJ, et al. **Cell** 1984 Jul;37(3):789-800

Quantitative study of human blood alpha-1-antitrypsin, alpha-2-macroglobulin and inter-alpha-trypsin-inhibitor with respect to plasma renin activity. Sesboüé R, et al. **Clin Chim Acta** 1983 Nov 30;135(1):23-33

Alpha 2-macroglobulin in connective tissue matrix metabolism. Borth W. **Coll Relat Res** 1984 Jan;4(1):83-94 (61 ref.)

The evolution of alpha-1 and alpha-2-macroglobulin levels in the serum of rabbit fetus and newborn. Versavel C, et al. **Comp Biochem Physiol [B]** 1983;75(4):701-2

Studies on the interaction between leukocyte elastase, antileukoproteinase and the plasma proteinase inhibitors alpha 1-proteinase inhibitor and alpha 2-macroglobulin. Fryksmark U, et al. **Hoppe Seylers Z Physiol Chem** 1983 Jul;364(7):793-800

Human neutrophil elastase and cathepsin G cleavage sites in the bait region of alpha 2-macroglobulin. Proposed structural limits of the bait region. Virca GD, et al. **Hoppe Seylers Z Physiol Chem** 1983 Sep;364(9):1297-302

Degradation of the human proteinase inhibitors alpha-1-antitrypsin and alpha-2-macroglobulin by Bacteroides gingivalis. Carlsson J, et al. **Infect Immun** 1984 Feb;43(2):644-8

Distribution of alpha 2-macroglobulin in normal, inflammatory, and tumor tissues in rats. Okubo H, et al. **Inflammation** 1984 Jun;8(2):171-9

Association of C1q- and conglutinin-binding immune complexes with high consumption of alpha-2-macroglobulin in synovial fluids of patients with rheumatoid arthritis. Borth W, et al. **Int Arch Allergy Appl Immunol** 1984;75(1):92-6

Isolation and characterization of horse alpha 2-macroglobulin protease inhibitor. Pellegrini A, et al. **Int J Biochem** 1983;15(8):1003-11

Temperature and pH dependence of the association rate constant of elastase with alpha 2-macroglobulin. Bieth JG, et al. **J Biol Chem** 1984 Jul 25;259(14):8904-6

Conformation and protease binding activity of binary and ternary human alpha 2-macroglobulin-protease complexes. Gonias SL, et al. **J Biol Chem** 1983 Dec 10;258(23):14682-5

Characterization of thrombin binding to alpha 2-macroglobulin. Straight DL, et al. **J Biol Chem** 1984 Jan 25;259(2):1272-8

Kinetics of association of human proteinases with human alpha 2-macroglobulin. Virca GD, et al. **J Biol Chem** 1984 Jul 25;259(14):8870-4

Albumin bound and alpha 2-macroglobulin bound zinc concentrations in the sera of healthy adults. Foote JW, et al. **J Clin Pathol** 1984 Sep;37(9):1050-4

Transmembrane delivery of polypeptide hormones bypassing the intrinsic cell surface receptors: a conjugate of insulin with alpha 2-macroglobulin (alpha 2M) recognizing both insulin and alpha 2M receptors and its biological activity in relation to endocytic pathways. Ito F, et al. **Mol Cell Endocrinol** 1984 Jul;36(3):165-73

Concentrations of alpha 1-proteinase inhibitor and alpha 2-macroglobulin in serum and lung secretions of intubated infants. Bruce MC, et al. **Pediatr Res** 1984 Jan;18(1):35-40

Specific covalent binding of platelet-derived growth factor to human plasma alpha 2-macroglobulin. Huang JS, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(2):342-6

Study of enzyme inhibitors in the rheumatoid pannus-cartilage area. Flory ED, et al. **Rheumatol Int** 1983; 3(2):81-7

The alpha 2 macroglobulin/thrombin interaction in the presence of hydroxylamine. Lambin P, et al. **Thromb Res** 1983 Oct 15;32(2):123-32

Alpha 1-antitrypsin, alpha 2-macroglobulin and complement C4 in human benign prostatic hyperplasia. van Sande M, et al. **Urol Res** 1983;11(6):275-7

[Use of the proteinase inhibitor alpha 2-macroglobulin in synovial fluids of arthritis of different origins and its relation to serologic parameters] Borth W, et al. **Wien Klin Wochenschr** 1983 Dec 23;95(24):873-7 (Eng. Abstr.) **(Ger)**

[Effect of sociobiological phenomena on the concentration of selected serum proteins in the rat] Schade R, et al. **Z Versuchstierkd** 1983;25(5):251-62 (Eng. Abstr.) **(Ger)**

[Immunoglobulin M and alpha 2-macroglobulin in the amniotic fluid in neural tube defects] Briese V, et al. **Zentralbl Gynakol** 1983;105(15):977-81 (Eng. Abstr.) **(Ger)**

[Change in the trypsin-binding activity of alpha 2-macroglobulin and the general antitrypsin activity of the blood in chronic pancreatitis] Chernoiarova OD, et al. **Klin Med (Mosk)** 1983 Nov;61(11):88-91 **(Rus)**

[Proteinase inhibitor activity of blood plasma and cerebrospinal fluid in patients with pituitary adenomas before and after proton therapy] Zargarova OP, et al. **Vopr Med Khim** 1983 Nov-Dec;29(6):96-8 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Alpha 2-macroglobulin 'fast' forms inhibit superoxide production by activated macrophages. Hoffman M, et al. **Biochim Biophys Acta** 1983 Nov 8;760(3):421-3

Effect of modified alpha 2macroglobulin on leucocyte locomotion and chemotaxis. Forrester JV, et al. **Immunology** 1983 Oct;50(2):251-9

Regulation of macrophage agglutination factor production by alpha 2-macroglobulin. Godfrey HP, et al. **Immunology** 1984 Mar;51(3):503-10

Phosphorylcholine on Streptococcus pneumoniae R36a is responsible for in vitro polyclonal antibody secretion by human peripheral blood lymphocytes. Beckmann E, et al. **J Immunol** 1984 May;132(5):2174-6

LPS regulation of the immune response: Bacteroides endotoxin induces mitogenic, polyclonal, and antibody responses in classical LPS responsive but not C3H/HeJ mice. Wannemuehler MJ, et al. **J Immunol** 1984 Jul; 133(1):299-305

Influence of RU 41.740, a glycoprotein extract from Klebsiella pneumoniae, on the murine immune system. I. T-independent polyclonal B cell activation. Wood CD, et al. **J Immunol** 1984 Feb;132(2):616-21

[Physiologic inhibitors of blood coagulation. 2. Alpha 2-macroglobulin, alpha-antitrypsin and the C1 inhibitor of complement] Kase F, et al. **Folia Haematol (Leipz)** 1983; 110(5):634-50 (118 ref.) (Eng. Abstr.) **(Ger)**

[Experimental study of the antiproteinase activity of human alpha-2-macroglobulin concentrate] Belova TA, et al. **Vopr Med Khim** 1983 Jul-Aug;29(4):22-7 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Heparin and plasma proteinase inhibitors: influence of heparin on the inhibition of thrombin by alpha 2 macroglobulin. Lambin P, et al. **Adv Exp Med Biol** 1984;167:263-72

Chemistry and biology of alpha 2-macroglobulin. **Ann NY Acad Sci** 1983;421:1-478

Alpha 2-macroglobulin: an introduction. Harpel PC, et al. **Ann NY Acad Sci** 1983;421:1-9

Studies on the physiology of macrophage receptors for alpha-macroglobulin X protease complexes. Kaplan J, et al. **Ann NY Acad Sci** 1983;421:442-56

Specificity of proteinases for the 'bait' region of alpha 2-macroglobulin. Roberts RC, et al. **Ann NY Acad Sci** 1983; 421:61-8

Variability of the electrophoretic mobility of low density lipoprotein. Comparison of interstitial fluid from human aortic intima and serum. Smith EB, et al.

Atherosclerosis 1983 Oct;49(1):89–98
Mechanisms of polyclonal B-cell activation in autoimmune B6-lpr/lpr mice. Warren RW, et al. **Cell Immunol** 1984 Mar;84(1):22–31
Mitogenic and polyclonal B cell activation activities of synthetic lipid A analogues. Kumazawa Y, et al. **Eur J Immunol** 1984 Feb;14(2):109–14
Human alpha 2 macroglobulin. van Leuven F. **Mol Cell Biochem** 1984;58(1–2):121–8
Inhibitors of the fibrinolytic enzyme system. Aoki N, et al. **Semin Thromb Hemost** 1984 Jan;10(1):24–41 (149 ref.)

SECRETION

[Isolated hepatocytes fixed on collagen, an accurate model for the the secretion of proteins in a minimal medium. Response to inflammation] Davy J, et al. **Biol Cell** 1983; 48(2–3):203–6 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Tumor inhibition by human alpha 2-macroglobulin. Koo PH. **Ann NY Acad Sci** 1983;421:388–90

ALPHA PARTICLES

Experimental examination of cavity ionisation theory applied to alpha-particle fields. Burlin TE, et al. **Br J Radiol** 1984 Jan;57(673):65–74
The dosimetry of bone incorporating alpha-emitting radionuclides. Montelius A, et al. **Br J Radiol** 1984 Jul; 57(679):609–16
Fully automatic quantitative analysis of alpha-radiation spectral data using a minicomputer. Chambless DA, et al. **Health Phys** 1984 Jul;47(1):85–92
Compliance data for the occurrence of radium and gross alpha-particle activity in drinking water supplies in the United States. Cothern CR, et al. **Health Phys** 1984 Mar; 46(3):503–10
A multidetector alpha spectroscopy analysis system. Guilmette RA, et al. **Health Phys** 1984 Mar;46(3):639–46
Alpha radiation, an external radiation hazard? Harvey JR. **Health Phys** 1971 Dec;21(6):866–9
Determination of uranium isotopes by chemical stripping and alpha-spectrometry. Sachett IA, et al. **Health Phys** 1984 Jan;46(1):133–9
Microdosimetry of alpha-irradiated lung. Simmons JA, et al. **Health Phys** 1984 Mar;46(3):607–16
The development and application of alpha-particle spectrometry for low-level-radioactivity measurements in biological and environmental materials. Lally AE, et al. **Int J Appl Radiat Isot** 1984 Apr;35(4):291–9
Dose-effect relationship of chromosome aberrations induced by 23 MeV alpha particles in human lymphocytes. Takatsuji T, et al. **Int J Radiat Biol** 1984 Mar;45(3):237–43
The mutagenicity of alpha particles in Ehrlich ascites tumor cells. Iliakis G. **Radiat Res** 1984 Jul;99(1):52–8
Oncogenic transformation of mouse BALB/3T3 cells by plutonium-238 alpha particles. Robertson JB, et al. **Radiat Res** 1983 Nov;96(2):261–74
Absolute humidity measurement utilizing alpha-ray absorption. Matsumoto S, et al. **Radioisotopes** 1983 Sep; 32(9):399–403
[Cancer and radiotherapy. (7) Radiation therapy with proton, alpha particles, heavy ions and negative pion beams] Akanuma A. **Iyodenshi To Seitai Kogaku** 1983 Apr; 21(2):128–34 (8 ref.) **(Jpn)**
[Alpha-recoiling behaviour of 222Rn on 226Ra-sources] Hashimoto T, et al. **Radioisotopes** 1984 Jan;33(1):1–7 (Eng. Abstr.) **(Jpn)**
[Control of the inhalation intake of long-lived alpha emitters] Deviatalkin EV, et al. **Gig Sanit** 1983 Jun;(6):40–3 (Eng. Abstr.) **(Rus)**
[Calibrated alpha source for determining the uranium content of biological samples] Sadikov NM, et al. **Gig Sanit** 1984 Feb;(2):57–9 **(Rus)**

ALPHA 2-PLASMIN INHIBITOR see ANTIPLASMIN

ALPHA RHYTHM

Influence of self-auscultation breathing upon alpha activity. Peñaloza-Rojas JH, et al. **Acta Physiol Lat Am** 1981; 31(4):291–4
External ophthalmoplegia, alpha and spindle coma in imipramine overdose: case report and review of the literature. Pulst SM, et al. **Ann Neurol** 1983 Nov; 14(5):587–90
Posterior alpha activity during vertex-CNV formation under different stimulating conditions. A new approach. Denoth F, et al. **Ann NY Acad Sci** 1984;425:177–87
Alpha-pattern coma in childhood and adolescence. Lersch DR, et al. **Arch Neurol** 1984 Jan;41(1):68–70
Attention and regulation of EEG alpha-attenuation responses. Mulholland T, et al. **Biofeedback Self Regul** 1983 Dec;8(4):585–600
EEG alpha-hypnotizability correlations are not simple covariates of subject self-selection. Barabasz AF. **Biol Psychol** 1983 Sep-Nov;17(2–3):169–72
Alpha rhythm and alpha-like activity in coma. Fung PC, et al. **Clin Electroencephalogr** 1984 Jul;15(3):167–72
Theta pattern coma, a variant of alpha pattern coma. Synek VM, et al. **Clin Electroencephalogr** 1984 Apr;15(2):116–21
The role of right hemispheric information processing strategies in language recovery in aphasia: an electroencephalographic investigation of hemispheric alpha asymmetries in normal and aphasic subjects. Moore WH Jr. **Cortex** 1984 Jun;20(2):193–205
Electroencephalographic and brain computed tomographic analysis of alpha-pattern coma in a 1-year-old child. Suzuki J, et al. **Fukushima J Med Sci** 1982 Dec; 29(1–2):51–61
The alpha-sleep pattern. Differentiation from other sleep patterns and effect of hypnotics. Scheuler W, et al. **Neuropsychobiology** 1983;10(2–3):183–9
Adaptive regulation of the biopotentials of the brain (alpha-rhythm) in patients with neuroses. Artemchuk NL. **Neurosci Behav Physiol** 1984 Jul-Aug;14(4):272–6
Peak alpha frequency of EEG during a mental task: task difficulty and hemispheric differences. Osaka M. **Psychophysiology** 1984 Jan;21(1):101–5
Lucid, Prelucid, and nonlucid dreams related to the amount of EEG alpha activity during REM sleep. Tyson PD, et al. **Psychophysiology** 1984 Jul;21(4):442–51
[Pontine infarcts with manifestations of the 'locked-in' syndrome and alpha coma] Drábek P, et al. **Cesk Neurol Neurochir** 1983 Nov;46(6):400–5 (Eng. Abstr.) **(Cze)**
[Clinical significance of increased reaction to photostimulation in the alpha frequency range] Scheuler W. **EEG EMG** 1983 Sep;14(3):143–53 (Eng. Abstr.) **(Ger)**
['Alpha pattern coma' after poisoning with flunitrazepam and bromazepam. Case description] Pasinato E, et al. **Minerva Psichiatr** 1983 Apr-Jun;24(2):69–74 (Eng. Abstr.) **(Ita)**
[Possible mechanism of the thalamic pacemaker of alpha-rhythm and fusiform activity] Shuliak BA, et al. **Biofizika** 1983 Jul-Aug;28(4):686–92 (Eng. Abstr.) **(Rus)**

ALPHADIONE see ALTHESIN

ALPHAMETHYLDOPA see METHYLDOPA

ALPHAVIRUSES

ANALYSIS

[Molecular biology characteristics of an attenuated mutant of the Eastern equine encephalomyelitis virus] Solianik RG, et al. **Vopr Virusol** 1983 Jul-Aug;28(4):50–3 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Eastern equine encephalomyelitis virus strains isolated in Cuba [letter] Grešíková M, et al. **Acta Virol (Praha)** 1983 May;27(3):286

DRUG EFFECTS

[Induction of alphavirus ts-mutations by N-methyl-N-nitro-N-nitrosoguanidine added to the replicating virus] Shablinskaia LM, et al. **Vopr Virusol** 1984 Jan-Feb;29(1):86–9 (Eng. Abstr.) **(Rus)**

GENETICS

An evolutionary tree relating eight alphaviruses, based on amino-terminal sequences of their glycoproteins. Bell JR, et al. **Proc Natl Acad Sci USA** 1984 Aug;81(15):4702–6
[Variability of attenuated alphavirus strains in virion aggregate infection] Tsilinskii IaIa, et al. **Vopr Virusol** 1983 Sep-Oct;28(5):601–7 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

The distribution and development of eastern equine encephalitis virus in its enzootic mosquito vector, Culiseta melanura. Scott TW, et al. **Am J Trop Med Hyg** 1984 Mar; 33(2):300–10
[Comparative study of glial cells infected with alpha-, flavi- and picornaviruses] Karmysheva VIa, et al. **Vestn Akad Med Nauk SSSR** 1984;(1):40–5 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

The exanthem of Ross River virus infection: histology, location of virus antigen and nature of inflammatory infiltrate. Fraser JR, et al. **J Clin Pathol** 1983 Nov; 36(11):1256–63
Opsonization of alphaviruses in hamsters. Jahrling PB, et al. **J Med Virol** 1983;12(1):1–16
Effect of pregnancy on stimulation of alphavirus immunity in mice. Milner AR, et al. **J Virol** 1984 Apr;50(1):73–6

ISOLATION & PURIFICATION

Arbovirus studies in southwestern Venezuela during 1973–1981. II. Isolations and further studies of Venezuelan and eastern equine encephalitis, Una, Itaqui, and Moju viruses. Walder R, et al. **Am J Trop Med Hyg** 1984 May; 33(3):483–91
Arbovirus studies in the Guajira region of Venezuela: activities of eastern equine encephalitis and Venezuelan equine encephalitis viruses during an interepizootic period. Walder R, et al. **Am J Trop Med Hyg** 1984 Jul; 33(4):699–707
Getah virus in Aedes vexans nipponii and Culex tritaeniorhynchus: vector susceptibility and ability to transmit. Takashima I, et al. **Arch Virol** 1983;76(4):299–305

METABOLISM

[Alphaviruses, with special reference to their structural proteins] Simizu B. **Uirusu** 1983 Dec;33(2):87–101 (152 ref.) **(Jpn)**

PHYSIOLOGY

Characterization of Barmah forest virus: an alphavirus with some unusual properties. Dalgarno L, et al. **Virology** 1984 Mar;133(2):416–26
[Effect of the method of passage on the biological properties of attenuated alphavirus strains] Tsilinskii IaIa, et al. **Vopr Virusol** 1984 May-Jun;29(3):294–301 (Eng. Abstr.) **(Rus)**
[Effect of D-glucosamine on pixuna virus replication in chick embryo cell culture] Garda H, et al. **Rev Latinoam Microbiol** 1983 Oct-Dec;25(4):221–3 (Eng. Abstr.) **(Spa)**

ULTRASTRUCTURE

Electron microscopic studies on pixuna virus in mouse embryo cell culture. Maldonado CA, et al. **Rev Latinoam Microbiol** 1983 Oct-Dec;25(4):224–30

ALPORT'S SYNDROME see NEPHRITIS, HEREDITARY

ALPRENOLOL

ADVERSE EFFECTS

Short-term and long-term tolerance to beta-blockade with alprenolol in patients admitted for a suspected acute myocardial infarction. Rasmussen SL, et al. **Acta Med Scand [Suppl]** 1984;680:40–9

ANALOGS & DERIVATIVES

Uptake of L-[propyl-2,3-3H]dihydroalprenolol by intact HeLa cells. Meier KE, et al. **Biochim Biophys Acta** 1984 Jul 20;804(3):331–40
Formation of complexes between avidin and beta-adrenergic receptors using biotinyl-alprenolol derivatives. Meier KE, et al. **Biochim Biophys Acta** 1983 Dec 27;761(3):257–61
Characterization of putative beta-adrenoceptors in the myometrium of the pregnant ewe: correlation between the binding of [3H] dihydroalprenolol and the inhibition of myometrial contractility in vitro. Crankshaw DJ, et al. **Biol Reprod** 1984 Apr;30(3):609–18
Influences of isoproterenol pretreatment on cerebral cortical bindings of [3H]clonidine and [3H]dihydroalprenolol in infant and adult rats. Nomura Y, et al. **Brain Res** 1983 Sep; 285(3):381–4
Effect of a beta-adrenergic antagonist on blood pressure, heart rate and beta-adrenoceptors in turkey poults. Kuenzel WJ, et al. **Comp Biochem Physiol [C]** 1983;76(2):371–5
Tolbutamide and glyburide differ in effectiveness to displace alpha- and beta-adrenergic radioligands in pancreatic islet cells and membranes. Cherksey B, et al. **Diabetes** 1984 May; 33(5):499–503
Ascorbate-induced lipid peroxidation and the binding of [3H]dihydroalprenolol. Heikkila RE. **Eur J Pharmacol** 1983 Sep 16;93(1–2):79–85
Characterization of beta-adrenergic receptors in rat ovary. Laszlovszky I, et al. **Eur J Pharmacol** 1983 Dec 9; 96(1–2):101–4
The effect of bromoacetylalprenololmentane on rat atrial tension development and beta-adrenoreceptors. Posner P, et al. **Eur J Pharmacol** 1984 May 4;100(3–4):373–6
Some characteristics of 3H-dihydroalprenolol binding to intact normal granulocytes, lymphocytes and membrane preparations of these cells. Bruynzeel PL, et al. **Eur J Respir Dis [Suppl]** 1984;135:135–8
Methodological aspects of receptor research: problems in the assessment of specific and non-specific binding of 3H-dihydroalprenolol to bovine lung membranes. Richardson A, et al. **Eur J Respir Dis [Suppl]** 1984; 135:114–23
Kinetics of the interaction of dihydroalprenolol with beta-adrenergic receptors in rat cerebral cortex. Schliebs R, et al. **Gen Physiol Biophys** 1984 Feb;3(1):31–46
Genetic variation in beta-adrenergic receptors in mice: a magnesium effect determined by a single gene. Markovac J, et al. **Genet Res** 1983 Oct;42(2):159–68
Beta-adrenergic receptor subtypes in iris-ciliary body of rabbits. Schmitt CJ, et al. **Graefes Arch Clin Exp Ophthalmol** 1984;221(4):167–70
Bromoacetylalprenololmenthane: a potent irreversible antagonist of beta adrenergic elicited protein exocytosis in rat parotid cells. Kousvelari EE, et al. **J Pharmacol Exp Ther** 1983 Oct;227(1):238–43
Binding characteristics of 3H-dihydroalprenolol to beta-adrenoceptors of rat heart treated with neuraminidase. Nagatomo T, et al. **Jpn J Pharmacol** 1983 Aug;33(4):851–7
Postnatal development of the beta-adrenergic receptor complex in brown adipose tissue of the rat. Svoboda P, et al. **Physiol Bohemoslov** 1984;33(2):97–103
Evidence for a circadian-phase-dependency in 3H-dihydroalprenolol binding and cyclic AMP content in heart ventricles of L-D-synchronized rats. Lemmer B, et al. **Pol J Pharmacol Pharm** 1984 Mar-Jun;36(2–3):275–80

[Determination of beta-receptors on intact polymorphonuclear leukocytes in autologous plasma] Lehmann M, et al. **J Clin Chem Clin Biochem** 1983 Dec; 21(12):805–11 (Eng. Abstr.) **(Ger)**

[Specific binding of [3H]-dihydroalprenolol and [3H]-prazosin to kidney tubules] Imai M, et al. **Nippon Jinzo Gakkai Shi** 1983 Jul;25(7):881–4 **(Jpn)**

[Effect of thyroid hormones on the beta-adrenergic receptor internalization in isolated rat hepatocytes] Hashizume K, et al. **Nippon Naibunpi Gakkai Zasshi** 1983 Nov 20; 59(11):1693–702 (Eng. Abstr.) **(Jpn)**

[Characteristics of lipolytic activities in the genetically obese Zucker fatty rats—experimental study on (–)-[3H]dihydroalprenolol binding in the intact fat cells] Matsumoto G. **Nippon Naibunpi Gakkai Zasshi** 1983 Aug 20;59(8):1145–59 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

Monoclonal antibodies specific for beta-adrenergic ligands. Chamat S, et al. **J Immunol** 1984 Sep;133(3):1547–52

METABOLISM

Rapid vesicle reconstitution of alprenolol-Sepharose-purified beta 1-adrenergic receptors. Interaction of the purified receptor with N. Kelleher DJ, et al. **J Biol Chem** 1983 Nov 10;258(21):12881–5

PHARMACODYNAMICS

Alpha 1-adrenergic stimulation of phosphatidylinositol turnover and respiration of brown fat cells. Mohell N, et al. **Mol Pharmacol** 1984 Jan;25(1):64–9

THERAPEUTIC USE

Long-term alprenolol treatment affects serum T4, T3 and rT3 in euthyroid patients with ischaemic heart disease. Perrild H, et al. **Acta Endocrinol (Copenh)** 1984 Feb; 105(2):190–3

Effect of acute and long-term beta-adrenergic blockade with alprenolol in definite or suspected myocardial infarction. Causes of death and post-mortem findings with special reference to early deaths. Hansen DA, et al. **Acta Med Scand [Suppl]** 1984;680:50–8

Use of alprenolol in the secondary prevention of myocardial infarction. Jürgensen HJ. **Acta Med Scand [Suppl]** 1984; 680:59–64

Effect of acute and long-term beta-adrenergic blockade with alprenolol in definite or suspected myocardial infarction. Salvage of ischaemic myocardium by alprenolol. Jürgensen HJ, et al. **Acta Med Scand [Suppl]** 1984;680:27–33

The effect of long-term intervention with alprenolol on mortality in definite or suspected myocardial infarction. Jürgensen HJ, et al. **Acta Med Scand [Suppl]** 1984;680:18–26

Effect of acute and long-term beta-adrenergic blockade with alprenolol in definite or suspected myocardial infarction. Background and aims of the study. Jürgensen HJ. **Acta Med Scand [Suppl]** 1984;680:4–7

Effect of acute and long-term beta-adrenergic blockade with alprenolol in definite or suspected myocardial infarction. Study design, patient characteristics and conduct of the study. Jürgensen HJ, et al. **Acta Med Scand [Suppl]** 1984; 680:8–17

Prophylactic effect of alprenolol on ventricular tachyarrhythmias during the in-patient phase of acute myocardial infarction. Pedersen F, et al. **Acta Med Scand [Suppl]** 1984;680:34–9

Systolic time intervals during long-term beta-blockade with alprenol in ischaemic heart disease. Rasmussen SL, et al. **Eur J Clin Pharmacol** 1983;25(4):503–6

ALTERNARIA see under **MONILIALES**

ALTERNATE BINAURAL LOUDNESS BALANCE TEST see **RECRUITMENT DETECTION (AUDIOLOGY)**

ALTHESIN

Nalbuphine and Althesin anaesthesia. A controlled double-blind comparison for cystoscopy. Kay B, et al. **Anaesthesia** 1984 Jul;39(7):666–9

Does obesity affect recovery? A study using intravenous methohexitone and Althesin for short procedures. Kumar V, et al. **Anaesthesia** 1983 Oct;38(10):968–71

The effect of age on recovery. A comparison of the kinetics of thiopentone and Althesin. Sear JW, et al. **Anaesthesia** 1983 Dec;38(12):1158–61

Intravenous anaesthesia for minor surgery. A comparison of etomidate or Althesin with fentanyl and alfentanil. Kay B, et al. **Br J Anaesth** 1983;55 Suppl 2:165S–167S

[Behavior of heart rate and arterial pressure in anesthesia with althesin and ketamine] Roccatagliata DC, et al. **Minerva Anestesiol** 1983 Oct;49(10):571–5 (Eng. Abstr.) **(Ita)**

[Effect of continuous intravenous anesthesia with Alphadione (alphaxalone/alphadolone) on postoperative liver function] Satake T, et al. **Masui** 1983 May;32(5):554–8 (Eng. Abstr.) **(Jpn)**

ADMINISTRATION & DOSAGE

Dose-response relationships for infusions of Althesin or methohexitone. Sear JW, et al. **Anaesthesia** 1983 Oct; 38(10):931–6

Hypoxic ventilatory drive in the dog under Althesin anaesthesia. Gaudy JH, et al. **Br J Anaesth** 1984 Jun; 56(6):631–6

[Althesin and fentanest in pediatric anesthesia. An alternative to inhalation narcosis] Robotti A, et al. **Minerva Anestesiol** 1983 Sep;49(9):521–5 (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

Althesin reaction in a child [letter] Brown TC, et al. **Anaesth Intensive Care** 1983 Nov;11(4):390

Effect of long-term continuous infusion of alfathesin on clinical biochemical and haematological parameters. Gibbs N, et al. **Anaesth Intensive Care** 1984 May;12(2):108–12

Hypersensitivity reactions to Althesin infusion: measurement of complement involvement. Benoit Y, et al. **Anaesthesia** 1983 Nov;38(11):1079–81

Early recognition of a possible Althesin reaction [letter] Bowie RA. **Anaesthesia** 1983 Oct;38(10):1001

Hypersensitivity reactions to infusions of Althesin [letter] Sear JW, et al. **Anaesthesia** 1983 Dec;38(12):1223

Coughing on induction with Althesin [letter] Thompson MC. **Anaesthesia** 1983 Sep;38(9):907

Cell-mediated immune suppression due to alfathesin in short-term anaesthesia. Rosenfeld A, et al. **Can Anaesth Soc J** 1983 Sep;30(5):522–5

Alphaxalone/alphadolone and porphyria [letter] Cole DE, et al. **Lancet** 1984 Mar 24;1(8378):690

Anaesthetists without Althesin [letter] Dundee JW. **Lancet** 1984 Apr 21;1(8382):909

[The role of metabolic acidosis in alphathesin-induced tachypnea in dogs] Bergeret S, et al. **Can Anaesth Soc J** 1984 May;31(3 Pt 1):263–7 (Eng. Abstr.) **(Fre)**

[Anaphylactic-type reactions to althesin. Preliminary study on the role of complement] Descotes J, et al. **Therapie** 1983 Sep–Oct;38(5):535–8 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Steroid anaesthesia: alphadione depresses multiunit activity in the mesencephalic reticular formation. Tamásy V, et al. **Acta Physiol Hung** 1983;61(4):195–204

Seizure duration in unilateral electroconvulsive therapy. A comparison of the anaesthetic agents etomidate and Althesin with methohexitone. Gran L, et al. **Acta Psychiatr Scand** 1984 Jun;69(6):472–83

Baroreflex effects of althesin infusions to supplement nitrous oxide anaesthesia in man. Jones DF, et al. **Br J Anaesth** 1983 Sep;55(9):849–53

Local changes in cerebral 2-deoxyglucose uptake during alphaxalone anaesthesia with special reference to the habenulo-interpeduncular system. McQueen JK, et al. **Brain Res** 1984 May 21;300(1):19–26

Comparison of the effects of Althesin and sodium pentobarbitone on the regional uptake of 2-deoxyglucose by the brain and pituitary gland of the rat: selective effects on pars intermedia. McQueen JK, et al. **Neuroendocrinology** 1984 Mar;38(3):237–42

[Anesthesia in hemodynamic studies. Indications and limits of althesin and flunitrazepam-fentanyl combination] Schiavello R, et al. **Minerva Anestesiol** 1983 Dec; 49(12):733–7 (Eng. Abstr.) **(Ita)**

THERAPEUTIC USE

Althesin therapy - an adjunct for intracranial pressure control regimes? A preliminary report. Delilkan AE, et al. **Med J Malaysia** 1983 Mar;38(1):39–42

Althesin infusion in the treatment of convulsions—a case report. Ong KK. **Singapore Med J** 1983 Jun;24(3):178–9

ALTITUDE

The effect of high altitude on the glycolytic activity of erythrocytes in natives of the Andean Altiplano. Arnaud J, et al. **Acta Physiol Lat Am** 1983;33(1):7–14

Capillary supply and utilization of intracellular oxygen in the left ventricular myocardium from rats adapted to high altitude. Moravec J, et al. **Adv Exp Med Biol** 1983; 159:243–52

Left ventricular function at high altitude examined by systolic time intervals and M-mode echocardiography. Fowles RE, et al. **Am J Cardiol** 1983 Oct 1;52(7):862–6

Increased incidence of neonatal hyperbilirubinemia at 3,100 m in Colorado. Moore LG, et al. **Am J Dis Child** 1984 Feb;138(2):157–61

Human red cell glycolysis in high altitude chronic hypoxia. Arnaud J, et al. **Am J Phys Anthropol** 1984 Mar; 63(3):307–14

Hemoglobin levels in a Himalayan high altitude population. Beall CM, et al. **Am J Phys Anthropol** 1984 Mar;63(3):301–6

Secular change in growth of native children and adolescents at high altitude Huancayo, Peru (3,280 meters). Gonzales GF, et al. **Am J Phys Anthropol** 1984 May;64(1):47–51

High-altitude adaptation and maximum work performance. Johnson ES, et al. **Am J Physiol** 1984 Apr;246(4 Pt 2):R619–23

Emphysema mortality is increased in Colorado residents at high altitude [letter] Aelony Y. **Am Rev Respir Dis** 1984 Apr;129(4):648

The distribution of haemoglobin concentration in a sample of native high-altitude women. Moreno-Black G, et al. **Ann Hum Biol** 1984 Jul-Aug;11(4):317–25

Aortic enzymes and lactate in high altitude-raised and cholesterol-fed rabbits. Zemplenyi T, et al. **Atherosclerosis** 1984 Aug;52(2):233–42

Mild hypoxia and the use of oxygen in flight. Ernsting J. **Aviat Space Environ Med** 1984 May;55(5):407–10

Comparative study of white cell count and differential leukocyte count in school children at Dead Sea level and at Amman. Khraisha S, et al. **Aviat Space Environ Med** 1983 Oct;54(10):937–9

Cardiorespiratory assessment of 24-hour crash-diet effects on altitude, +Gz, and fatigue tolerances. Lategola MT, et al. **Aviat Space Environ Med** 1982 Mar;53(3):201–9

Photoperiodic influences on testicular development of deer mice from two different altitudes. Weiner C, et al. **Biol Reprod** 1984 Mar;30(2):507–13

Alterations in CNS amine levels by acclimatization to hypobaric hypoxia. Hughes MJ, et al. **Brain Res Bull** 1983 Aug;11(2):255–8

Erythrocyte antioxidant enzymes and selenium serum levels in an Andean population. Agostoni A, et al. **Clin Chim Acta** 1983 Sep 30;133(2):153–7

Angiotensin converting enzyme response to hypoxia in man: its role in altitude acclimatization. Milledge JS, et al. **Clin Sci** 1984 Oct;67(4):453–6

A comparative study on the effect of training at altitude and at sea level on endurance and certain biochemical variables. Terblanche SE, et al. **Comp Biochem Physiol [A]** 1984; 78(1):21–6

Skeletal muscle metabolism of sea-level natives following short-term high-altitude residence. Young AJ, et al. **Eur J Applied Physiol** 1984;52(4):463–6

House dust mites at altitude in Hawaii. Massey DG, et al. **Hawaii Med J** 1984 May;43(5):138, 140

Correlation between parameters of the cardiac rhythm and physical working capacity in man during adaptation to high mountain hypoxia. Akhmedov KYu, et al. **Hum Physiol** 1982 Nov-Dec;8(6):421–7

Adaptation of the heart to chronic high-mountain hypoxia. Mirrakhimov MM, et al. **Hum Physiol** 1982 Nov-Dec; 8(6):417–20

Regulation of the cardiac rhythm in children with bronchial asthma exposed to high-altitude conditions in a pressure chamber. Moskvichev OK. **Hum Physiol** 1982 Nov-Dec; 8(6):428–31

Studies on some biochemical aspects in the toad after 48 hours of exposure to simulated high altitude. Biswas HM, et al. **Int J Biometeorol** 1983 Jul;27(2):133–41

Effects of acute exposure to high altitude on ventilatory drive and respiratory pattern. Burki NK. **J Appl Physiol** 1984 Apr;56(4):1027–31

Hypocapnia and sustained hypoxia blunt ventilation on arrival at high altitude. Huang SY, et al. **J Appl Physiol** 1984 Mar;56(3):602–6

Adrenocortical responses to maximal exercise in moderate-altitude natives at 447 Torr. Maresh CM, et al. **J Appl Physiol** 1984 Feb;56(2):482–8

Effect of prolonged exercise at altitude on the renin-aldosterone system. Milledge JS, et al. **J Appl Physiol** 1983 Aug;55(2):413–8

Renin-aldosterone and angiotensin-converting enzyme during prolonged altitude exposure. Milledge JS, et al. **J Appl Physiol** 1983 Sep;55(3):699–702

Cardiorespiratory response to exercise in men repeatedly exposed to extreme altitude. Milledge JS, et al. **J Appl Physiol** 1983 Nov;55(5):1379–85

Relationship of hypoxic ventilatory response to exercise performance on Mount Everest. Schoene RB, et al. **J Appl Physiol** 1984 Jun;56(6):1478–83

Effect of acetazolamide on normoxic and hypoxic exercise in humans at sea level. Schoene RB, et al. **J Appl Physiol** 1983 Dec;55(6):1772–6

Strength and cycle time of high-altitude ventilatory patterns in unacclimatized humans. Waggener TB, et al. **J Appl Physiol** 1984 Mar;56(3):576–81

Maximal exercise at extreme altitudes on Mount Everest. West JB, et al. **J Appl Physiol** 1983 Sep;55(3):688–98

Pulmonary gas exchange on the summit of Mount Everest. West JB, et al. **J Appl Physiol** 1983 Sep;55(3):678–87

Red cell function at extreme altitude on Mount Everest. Winslow RM, et al. **J Appl Physiol** 1984 Jan;56(1):109–16

Fluid and electrolyte homeostasis during prolonged exercise at altitude. Withey WR, et al. **J Appl Physiol** 1983 Aug; 55(2):409–12

Air resistance and its influence on the biomechanics and energetics of sprinting at sea level and at altitude. Ward-Smith AJ. **J Biomech** 1984;17(5):339–47

High-altitude pulmonary edema among visitors to Summit County, Colorado. Sophocles AM Jr, et al. **J Fam Pract** 1983 Dec;17(6):1015–7

The effects of hypobaric hypoxia on the corticotroph population of the adenohypophysis of the male rat. Gosney JR. **J Pathol** 1984 Mar;142(3):163–8

Impaired osmoregulation at high altitude. Studies on Mt Everest. Blume FD, et al. **JAMA** 1984 Jul 27;252(4):524–6

High altitude cerebral oedema after positive airway pressure breathing at high altitude [letter] Oelz O. **Lancet** 1983 Nov 12;2(8359):1148

Maximal exercise during hypobaric hypoxia (447 Torr) in moderate-altitude natives. Maresh CM, et al. **Med Sci Sports Exerc** 1983;15(5):360–5

Thyroid function at high altitude [letter] Wright AD, et al. **N Engl J Med** 1984 May 17;310(20):1334
Central and peripheral receptors in guinea-pigs exposed to simulated high altitude. Light KE, et al. **Neuropharmacology** 1984 Feb;23(2A):189–95
Comparison of cardiopulmonary responses of male and female rats to intermittent high altitude hypoxia. Oštádal B, et al. **Physiol Bohemoslov** 1984;33(2):129–38
Vital gas exchange and hatchability of turkey eggs at high altitude. Christensen VL, et al. **Poult Sci** 1984 Jul; 63(7):1350–6
Hypoxia, exercise, and altitude. Proceedings of the Third Banff International Hypoxia Symposium, Banff, Alberta, Canada, January 25–28, 1983. **Prog Clin Biol Res** 1983; 136:1–495
Perspectives on functional adaptation of the high altitude native. Frisancho AR. **Prog Clin Biol Res** 1983;136:383–407 (66 ref.)
High altitude medical research in Japan. Nakashima M. **Prog Clin Biol Res** 1983;136:173–82
Altitude adaptation: organisms without lungs. Rahn H. **Prog Clin Biol Res** 1983;136:345–63 (26 ref.)
Endothelial cell function in hypoxic environments: contributions to circulatory adjustments to high altitude. Stalcup SA, et al. **Prog Clin Biol Res** 1983;136:111–24 (13 ref.)
The contribution of central mechanisms rostral to the pons in high altitude ventilatory acclimatization. Ou LC, et al. **Respir Physiol** 1983 Dec;54(3):343–51
Comparison of muscular pulmonary arteries in low and high altitude hamsters and rats. Walker BR, et al. **Respir Physiol** 1984 Apr;56(1):45–50
Hypoxic pressor responses in lungs from rats acutely exposed to simulated high altitude. Greenlees KJ, et al. **Respiration** 1984;45(3):169–74
Human physiology at extreme altitudes on Mount Everest. West JB. **Science** 1984 Feb 24;223(4638):784–8
Risk of high-altitude travel in a patient with Eisenmenger's syndrome. Newman JH, et al. **South Med J** 1984 Aug; 77(8):1057–8
Morbidity of sickle cell trait at high altitude. Nussbaum RL, et al. **South Med J** 1984 Aug;77(8):1049–50
Comparative study of serum iron and iron binding capacity and their correlation with RBC and haemoglobin of school children of both sexes at Dead Sea level and Amman. Khraisha S. **Trop Geogr Med** 1983 Sep;35(3):263–6
Intermittent high altitude hypoxia – induced structural changes in the pulmonary myocardium in young mice. Jarkovská D, et al. **Virchows Arch [Cell Pathol]** 1983; 43(3):327–36
[Primary congestive cardiomyopathy at high altitude—X-ray analysis of 50 cases] Yu MY. **Chung Hua Fang She Hsueh Tsa Chih** 1983 Nov;17(4):245–8 (Eng. Abstr.) (Chi)
[Macroscopic and histologic study of the placenta at mountain altitudes] Zhong TL. **Chung Hua Fu Chan Ko Tsa Chih** 1983 Jul;18(3):146–9 (Eng. Abstr.) (Chi)
[Deep venous nutrition for treatment of severe disease in highlanders—report of 10 cases] Fu YJ. **Chung Hua I Hsueh Tsa Chih** 1983 Dec;63(12):760–2 (Chi)
[Experience on the cultivation of Coptis chinensis at different sea-level] Zeng XZ. **Chung Yao Tung Pao** 1983 Nov; 8(6):4–5 (Chi)
[Cardiodynamic changes caused by physical exertion at simulated altitude (4000 m) and under the influence of oxygen inhalation with intrapulmonary hyperpressure] Filcescu V, et al. **Physiologie** 1984 Apr-Jun;21(2):127–32 (Fre)
[Changes of altitude in cable cars. Cardiovascular effects on healthy subjects] Contat H, et al. **Schweiz Rundsch Med Prax** 1984 Mar 13;73(11):347–50 (Eng. Abstr.) (Fre)
[Effect of catecholamines and propranolol on the acute acclimatization to high altitude in man] Koller EA, et al. **Schweiz Med Wochenschr** 1983 Dec 31;113(52):1989–99 (Eng. Abstr.) (Ger)
[Respiratory and cardiac activity during sleep at high altitude (4650 m. above sea level)] Data PG, et al. **Boll Soc Ital Biol Sper** 1984 Jan 30;60(1):23–8 (Eng. Abstr.) (Ita)
[Changes in color perception during a prolonged stay at 4550 meters above sea level] Modugno GC. **Riv Med Aeronaut Spaz** 1982 Jan-Dec;47(1–4):247–53 (Eng. Abstr.) (Ita)
[Electrocardiographic changes of female mountaineers at high altitudes of the Himalaya] Horii M, et al. **Kokyu To Junkan** 1984 May;32(5):481–5 (Eng. Abstr.) (Jpn)
[Thermogenic responses of high-altitude adapted rats on low temperatures and low pressures] Yanagidaira Y. **Nippon Seirigaku Zasshi** 1983;45(3):134–44 (Eng. Abstr.) (Jpn)
[Spinal injuries caused by a suicidal jump from height] Kiwerski J, et al. **Chir Narzadow Ruchu Ortop Pol** 1983; 48(2):111–5 (Eng. Abstr.) (Pol)
[Changes in the myofibrillary apparatus of the heart in early postnatal ontogenesis of rats in conditions of high altitude and physical exertion] Kononova VA. **Biull Eksp Biol Med** 1984 Jun;97(6):740–3 (Eng. Abstr.) (Rus)
[Change in the anti-inflammatory activity of nonsteroidal antiphlogistics in conditions of acute hypoxic hypoxia] Berezniakova AI, et al. **Farmakol Toksikol** 1983 Sep-Oct; 46(5):59–61 (Eng. Abstr.) (Rus)
[Effect of mountain climate on higher nervous activity in healthy and anemic women] Makarenko NV, et al. **Fiziol Zh** 1983 Jul-Aug;29(4):393–8 (Eng. Abstr.) (Rus)
[Adrenal cortical and ovarian functions of healthy inhabitants and iron-deficiency anemia patients in an arid zone adapting to mountain conditions] Reznikov AG, et al. **Fiziol Zh** 1984 Jul-Aug;30(4):498–502 (Rus)
[Human immunological reactivity in a mountain climate] Shogentsukova EA, et al. **Fiziol Zh** 1983 Jul-Aug; 29(4):399–404 (Rus)
[Thermoregulatory activity of the motor neuron pool in the rat adapted to cold and hypoxia] Sorokina LV, et al. **Fiziol Zh SSSR** 1984 Jan;70(1):75–80 (Eng. Abstr.) (Rus)
[High-altitude hypoxia as a factor in the treatment of radiation and cytostatic lymphopenia in oncological patients] Kulish OP, et al. **Gematol Transfuziol** 1984; 29(5):40–2 (Eng. Abstr.) (Rus)
[Effect of an artificial mountain climate on the development of pneumoconiosis and catecholamine content of the adrenal glands in albino rats] Gridneva NV. **Gig Tr Prof Zabol** 1984 Apr;(4):22–6 (Eng. Abstr.) (Rus)
[Various features of the hemodynamics of native inhabitants of different mountainous zones of the Mongolian People's Republic] Olzilkhutag A, et al. **Kardiologiia** 1984 May; 24(5):92–5 (Eng. Abstr.) (Rus)
[Incidence and characteristics of the course of chronic gastritis in alpine areas] Mansurov KhKh, et al. **Klin Med (Mosk)** 1984 Feb;62(2):66–70 (Eng. Abstr.) (Rus)
[Effect of long-term obzidan administration on hypoxic resistance and thrombocyte aggregation in rats adapting to moderate altitude (1600 m)] Aliev MA, et al. **Kosm Biol Aviakosm Med** 1983 Jul-Aug;17(4):88–90 (Rus)
[Vitamins in the process of adaptation to high altitude] Belakovskiĭ MS, et al. **Kosm Biol Aviakosm Med** 1984 May-Jun;18(3):4–9 (44 ref.) (Eng. Abstr.) (Rus)
[Water intake at high altitudes] Gippenreĭter EB, et al. **Kosm Biol Aviakosm Med** 1983 Nov-Dec;17(6):17–21 (Eng. Abstr.) (Rus)
[Individual characteristics of human respiration during sleep at a height of 4200 m] Gora EP. **Kosm Biol Aviakosm Med** 1984 May-Jun;18(3):93–5 (Rus)
[Effect of sodium hydroxybutyrate on resistance to hypoxia and thrombocyte aggregation in the rat in different ecological situations] Aliev MA, et al. **Patol Fiziol Eksp Ter** 1983 Nov-Dec;(6):15–8 (Eng. Abstr.) (Rus)
[Features of the course of allergic diseases in children in mountain climates] Dzhuraev MN. **Pediatriia** 1984 Apr; (4):53–4 (Rus)
[Dynamics of the morphological changes in the nasal mucosa of experimental animals adapting to high altitude] Rostovshchikova AS, et al. **Vestn Akad Med Nauk SSSR** 1983;(11):54–60 (4 ref.) (Rus)
[Organization of the medical evacuation of the wounded and sick in a mountain-desert locale (1)] Sidel'nikov AI. **Voen Med Zh** 1984 Jun;(6):11–5 (Rus)
[Various characteristics of the activities of an independent medical division battalion in mountain-desert areas (preliminary report)] Sidel'nikov AI. **Voen Med Zh** 1983 Aug;(8):20–5 (Rus)
[Effect of the climatic factors of the central highlands on the adaptation mechanisms of healthy people] Briukhovetskiĭ AG, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Jan-Feb;(1):51–3 (Rus)
[Microcirculation in ischemic heart disease patients during adaptation and treatment in a central highlands area] Bykhovskiĭ VM. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Jan-Feb;(1):9–11 (Eng. Abstr.) (Rus)
[Migration to the valleys (adaptation to life in the lowlands)] Ryn Z. **Actas Luso Esp Neurol Psiquiatr** 1983 Jul-Aug; 11(4):329–32 (Spa)
[Urinary elimination of erythropoietin during the acclimatization of human beings to an altitude of 4,300 meters above sea level] Scaro JL. **Sangre (Barc)** 1984; 29(1):31–5 (Eng. Abstr.) (Spa)

ADVERSE EFFECTS

Hormonal disturbances of fluid-electroly:e metabolism under altitude exposure in man. Okazaki S, et al. **Aviat Space Environ Med** 1984 Mar;55(3):200–5
[High-altitude cardiomyopathy] Mirrakhimov MM, et al. **Ter Arkh** 1983;55(10):69–72 (7 ref.) (Eng. Abstr.) (Rus)

ALTITUDE SICKNESS see under ANOXIA

ALTRUISM

Altruism and genetics. Rushton JP, et al. **Acta Genet Med Gemellol (Roma)** 1984;33(2):265–71
The desire to help others. Eber M, et al. **Bull Menninger Clin** 1984 Mar;48(2):125–40
Altruism, aggression, and social interactions in young children with a manic-depressive parent. Zahn-Waxler C, et al. **Child Dev** 1984 Feb;55(1):112–22
Grooming, alliances and reciprocal altruism in vervet monkeys. Seyfarth RM, et al. **Nature** 1984 Apr 5–11; 308(5959):541–3

ALUM COMPOUNDS see under ALUMINUM

ALUMINUM

Aluminum ion deposition in rat tissues following implantation of a ceramic-metal disc. Drummond JL, et al. **Biomater Med Devices Artif Organs** 1983;11(2–3):147–59
Multimethod determination of occupational exposure to polycyclic aromatic hydrocarbons in an aluminum plant. Becher G, et al. **Carcinogenesis** 1984 May;5(5):647–51
Wear tests on alumina for application in heart valve prostheses. Gentle CR, et al. **Eng Med** 1984 Apr; 13(2):79–82
The bond strength and ageing of plasma-sprayed coatings of alumina on metal substrates. Randall JE, et al. **Eng Med** 1984 Apr;13(2):67–71
The formation of an aluminum-epinephrine complex and its effect on the addition of bisulfite to epinephrine. Milano EA, et al. **J Parenter Sci Technol** 1983 Sep-Oct;37(5):165–9
Compressive strengths of conventional, twin foil, and all-ceramic crowns. Philp GK, et al. **J Prosthet Dent** 1984 Aug;52(2):215–20
Re: Alum irrigation for the control of massive bladder hemorrhage [letter] Ostroff EB, et al. **J Urol** 1983 Nov; 130(5):986
A new method for external fixation with single crystal alumina ceramic screw nail and its biomechanical study. Asada K, et al. **Nippon Seikeigeka Gakkai Zasshi** 1984 Jan; 58(1):107–23
Occurrence of fibrous sodium aluminumtetrafluoride particles in potrooms of the primary aluminum industry. Gylseth B, et al. **Scand J Work Environ Health** 1984 Jun; 10(3):189–95
[Aluminum oxide ceramic PORP and TORP prostheses] Broess AA. **Acta Otorhinolaryngol Belg** 1983;37(5):726–34 (Eng. Abstr.) (Dut)
[Aluminum oxide ceramics in reconstructive nose surgery. Histological studies in rabbits] Friedberg P, et al. **HNO** 1984 Mar;32(3):105–7 (Eng. Abstr.) (Ger)
[Histologic studies of aluminum oxide ceramic in the middle ear of rabbits] Friedberg P, et al. **Laryngol Rhinol Otol (Stuttg)** 1983 Sep;62(9):391–3 (Eng. Abstr.) (Ger)
[The PTFE plastic prosthesis as an arterial replacement: experiences over a 5-year period] Polterauer P, et al. **Wien Klin Wochenschr** 1984 Mar 30;96(7):249–59 (Eng. Abstr.) (Ger)
[Behavior of cultured cells on the surface of A12O3 ceramics of different consistencies] Neupert G, et al. **Z Exp Chir Transplant Kunstliche Organe** 1984;17(2):109–15 (Eng. Abstr.) (Ger)
[Experimental anterior interbody fusion of the cervical spine. Comparative study between autograft and Al2O3 ceramic implantation] Taguchi T. **Nippon Seikeigeka Gakkai Zasshi** 1984 Feb;58(2):205–17 (Eng. Abstr.) (Jpn)
[Alumina ceramic (Bioceram) as the cranioplastic material—experimental study and application in cranioplasty] Okumura T, et al. **No Shinkei Geka** 1984 Mar; 12(3 Suppl):246–52 (Eng. Abstr.) (Jpn)
[Occupational health in the production of secondary aluminium] Roslyĭ OF, et al. **Gig Tr Prof Zabol** 1984 Feb; (2):13–6 (Eng. Abstr.) (Rus)

ADMINISTRATION & DOSAGE

Topical aluminum sulfate for fire ant stings. Bruce S, et al. **Int J Dermatol** 1984 Apr;23(3):211
The association of ranitidine and sucralfate in the short-term treatment of duodenal ulcers, as compared to other forms of treatment. Magnanelli M, et al. **Int J Tissue React** 1984; 6(2):189–93
Short-term aluminum administration in the rat. Effects on bone formation and relationship to renal osteomalacia. Goodman WG, et al. **J Clin Invest** 1984 Jan;73(1):171–81
Sucralfate administration via nasogastric tube [letter] Schneider JS, et al. **N Engl J Med** 1984 Apr 12;310(15):990
[Fluoride content in the enamel after topical application of zinc, aluminum and fluoride] Marci F, et al. **Bull Group Int Rech Sci Stomatol Odontol** 1983 Nov; 26(3):215–20 (Eng. Abstr.) (Fre)
[Control of upper gastrointestinal hemorrhage with thrombin-sucralfate complex] Tamura T. **Nippon Shokakibyo Gakkai Zasshi** 1984 Jan;81(1):122 (Jpn)

ADVERSE EFFECTS

Radiographic manifestations of aluminum-induced bone disease. Sebes JI, et al. **AJR** 1984 Feb;142(2):424–6
Aluminum-induced osteomalacia: an explanation. Thomas WC, et al. **Am J Nephrol** 1984 May-Jun;4(3):201–3
Pulmonary alveolar proteinosis and aluminum dust exposure. Miller RR, et al. **Am Rev Respir Dis** 1984 Aug;130(2):312–5
Aerosol antiperspirants and axillary granulomata. Williams S, et al. **Br Med J [Clin Res]** 1984 Jun 2;288(6431):1651–2

Aluminum toxicity. Alfrey AC. **Bull NY Acad Med** 1984 Mar;60(2):210–2 (15 ref.)
Epidemic dialysis encephalopathy [letter] Hocken AG. **Clin Nephrol** 1984 Feb;21(2):140
The effect of low aluminum water and desferrioxamine on the outcome of dialysis encephalopathy. Milne FJ, et al. **Clin Nephrol** 1983 Oct;20(4):202–7
Therapy of aluminium overload (II). Ackrill P, et al. **Contrib Nephrol** 1984;38:78–80
Aluminum osteopathy. Cournot-Witmer G. **Contrib Nephrol** 1984;38:59–64
Prophylaxis and methods for early recognition of aluminium intoxication. Fuchs C, et al. **Contrib Nephrol** 1984;38:81–94
Therapy of aluminum overload (I). Pierides AM, et al. **Contrib Nephrol** 1984;38:65–77
Epidemiology of aluminium toxicity in a 'low incidence' area. Winney RJ, et al. **Contrib Nephrol** 1984;38:47–58
Reactions to aluminum and its salts. Fisher AA. **Cutis** 1984 Feb;33(2):154, 159
Aluminum – related osteomalacia. Ott SM. **Int J Artif Organs** 1983 Jul;6(4):173–5
Dialysis encephalopathy: a review. Jack R, et al. **Int J Psychiatry Med** 1983–84;13(4):309–26 (75 ref.)
The biologic response to the single-crystal sapphire endosteal dental implant: scanning electron micro·copic observations. McKinney RV Jr, et al. **J Prosthet Dent** 1984 Mar; 51(3):372–9
Aluminium increases permeability of the blood–brain barrier to labelled DSIP and beta-endorphin: possible implications for senile and dialysis dementia. Banks WA, et al. **Lancet** 1983 Nov 26;2(8361):1227–9
Successful treatment of aluminium encephalopathy by intraperitoneal desferrioxamine [letter] Payton CD, et al. **Lancet** 1984 May 19;1(8386):1132–3
Sucralfate bezoar [letter] Algozzine GJ, et al. **N Engl J Med** 1983 Dec 1;309(22):1387
Iron and aluminum osteomalacia in hemodialysis patients [letter] Pierides AM, et al. **N Engl J Med** 1984 Feb 2; 310(5):323
[Current concepts of the role of aluminum in chronic kidney failure patients] Gruev I, et al. **Vutr Boles** 1983;22(2):1–4 (16 ref.) **(Bul)**
[Aluminum – hazardous or harmless?] Aaseth J, et al. **Tidsskr Nor Laegeforen** 1983 Aug 20;103(23):1627–9 (Eng. Abstr.) **(Nor)**
[Occupational hygiene of construction workers at aluminum industrial plants] Babaev AV, et al. **Gig Tr Prof Zabol** 1983 Jul;(7):12–4 (Eng. Abstr.) **(Rus)**
[Structure and function of the mucous membrane of the stomach and duodenum in workers in the aluminum industry] Medvedeva VN. **Gig Tr Prof Zabol** 1983 Nov; (11):25–8 **(Rus)**

ANALYSIS

Determination of aluminum in hemodialysis concentrates by electrothermal atomic absorption spectrometry. Allain P, et al. **Anal Chem** 1984 Jun;56(7):1196–7
Measurement of aluminium in dialysis fluid and water by a spectrophotometric procedure. Sampson B, et al. **Analyst** 1984 Mar;109(3):369–72
Water purification and the incidence of fractures in patients receiving home haemodialysis supervised by a single centre: evidence for 'safe' upper limit of aluminium in water. Platts MM, et al. **Br Med J [Clin Res]** 1984 Mar 31; 288(6422):969–72
Electrothermal atomic absorption determination of aluminum in tissues dissolved in tetramethyl ammonium hydroxide. Stevens BJ. **Clin Chem** 1984 May;30(5):745–7
Ultrastructural localization of aluminum in patients with dialysis-associated osteomalacia. Verbueken AH, et al. **Clin Chem** 1984 May;30(5):763–8
Oral aluminum therapy [letter] Fleming LW, et al. **Clin Nephrol** 1984 Jun;21(6):356
Aluminium coffee percolators as a source of dietary aluminium. Lione A, et al. **Food Chem Toxicol** 1984 Apr; 22(4):265–8
The aluminum content of biological products containing aluminum adjuvants: determination by atomic absorption spectrometry. May JC, et al. **J Biol Stand** 1984;12(2):175–83
Changes in bone histoquantitative parameters and histochemical staining reactions for aluminium in a group of patients with chronic renal failure following a reduction in the aluminium concentration of the haemodialysis fluid. McClure J, et al. **J Clin Pathol** 1984 Jul;37(7):743–7
Localisation of aluminium and iron by histochemical and laster microprobe mass analytical techniques in bone marrow cells of chronic hemodialysis patients [letter] van der Vyver FL, et al. **J Clin Pathol** 1984 Jul;37(7):837–8
The localization of aluminium and other elements in bone tissue of a case of renal osteodystrophy with an associated dialysis encephalopathy syndrome. McClure J, et al. **J Pathol** 1984 Apr;142(4):293–9
Aluminum in the joint tissues of chronic renal failure patients treated with regular hemodialysis and aluminum compounds. Netter P, et al. **J Rheumatol** 1984 Feb; 11(1):66–70
Do raised brain aluminium levels in Alzheimer's dementia contribute to cholinergic neuronal deficits? King RG. **Med Hypotheses** 1984 Jul;14(3):301–6
Aluminium, choline transportation and Alzheimer's disease [letter] King RG, et al. **Med J Aust** 1983 Dec 10–24; 2(12):606–7
Aluminum in foods [letter] Lione A. **Nutr Rev** 1984 Jan; 42(1):31
Colorimetric determination of aluminum in pharmaceutical formulations. Raggi MA, et al. **Pharm Acta Helv** 1984; 59(8):225–7
Determination by flameless atomic absorption of aluminium in serum and hair for toxicological monitoring of patients on chronic intermittent haemodialysis. De Groot HJ, et al. **Pharm Weekbl [Sci]** 1984 Feb 24;6(1):11–5
Occurrence of fibrous sodium aluminumtetrafluoride particles in potrooms of the primary aluminum industry. Gylseth B, et al. **Scand J Work Environ Health** 1984 Jun; 10(3):189–95
[Atomic absorption spectrophotometry determination of traces of aluminum contained in hemodialysis and hemofiltration solutions] Petiot J, et al. **Ann Pharm Fr** 1983; 41(3):229–37 (Eng. Abstr.) **(Fre)**
[Determination of aluminum in hemodialysis solutions by atomic absorption spectrophotometry] Mazzeo Farina A, et al. **Ann Ist Super Sanita** 1982;18(4):869–72 (Eng. Abstr.) **(Ita)**
[Reactor neutron activation analysis for aluminium in the presence of phosphorus and silicon. Contributions of 28Al activities from 31P(n, alpha) 28Al and 28Si(n, p) 28Al reactions] Mizumoto Y, et al. **Radioisotopes** 1984 Jan; 33(1):8–14 (Eng. Abstr.) **(Jpn)**

ANTAGONISTS & INHIBITORS

Reversal of aluminium inhibition of enzymatic O-methylation by desferrioxamine [letter] Casson IF, et al. **Ann Clin Biochem** 1984 May;21 (Pt 3):223

BLOOD

Electrothermal atomic absorption spectrometric determination of aluminum in serum with a new technique for protein precipitation. Brown S, et al. **Clin Chem** 1984 Jul;30(7):1216–8
Quality-control sera for routine determination of aluminum by electrothermal atomic absorption spectroscopy. Leung FY, et al. **Clin Chem** 1983 Nov;29(11):1966–8
Serum aluminum falls post parathyroidectomy in patients on maintenance hemodialysis [letter] Lucas PA, et al. **Clin Nephrol** 1984 Apr;21(4):250
Desferrioxamine and hemofiltration for aluminum removal in patients on regular dialysis treatment [letter] Segoloni G, et al. **Clin Nephrol** 1983 Aug;20(2):105–8
Correlation of serum aluminum values with tissue aluminum concentration. De Broe ME, et al. **Contrib Nephrol** 1984; 38:37–46
Gastrointestinal absorption of aluminium in chronic renal insufficiency. Knoll O, et al. **Contrib Nephrol** 1984;38:24–31
Dialysis fluids as a source of aluminum accumulation. Savory J, et al. **Contrib Nephrol** 1984;38:12–23
Aluminum-free intestinal phosphate binding. Schneider H, et al. **Contrib Nephrol** 1984;38:32–6
Serum aluminum levels and peritoneal dialysis. Gilli P, et al. **Int J Artif Organs** 1984 Mar;7(2):107–10
Serum concentration and peritoneal transfer of aluminum during treatment by continuous ambulatory peritoneal dialysis. Rottembourg J, et al. **Kidney Int** 1984 Jun; 25(6):919–24
Desferrioxamine, aluminium, and dialysis [letter] Simon P, et al. **Lancet** 1983 Dec 24–31;2(8365–66):1489–90
Plasma aluminium levels in patients on maintenance haemodialysis fall when oral aluminium hydroxide is withdrawn. Wallace MR, et al. **NZ Med J** 1983 Oct 26; 96(742):793–5
[Determination of the plasma aluminum concentration of hemodialysis patients] Kuleva V, et al. **Vutr Boles** 1984; 23(2):51–5 (Eng. Abstr.) **(Bul)**
[Hyperaluminemia in chronic hemodialysis patients. Evaluation of the respective roles of dialysate aluminum and oral aluminum hydroxide] Tahiri Y, et al. **Nephrologie** 1983;4(3):129–33 (Eng. Abstr.) **(Fre)**
[Copper, zinc and aluminum contamination of blood specimens used for determination of these metals] Clavel JP, et al. **Pathol Biol (Paris)** 1983 Dec;31(10):851–4 (Eng. Abstr.) **(Fre)**
[Aluminum in chronic hemodialysis patients] Nakayama M, et al. **Rinsho Byori** 1983 Jun;31(6):646–50 **(Jpn)**

DIAGNOSTIC USE

Alumina blending technique for separation of pesticides from lipids. Gillespie AM, et al. **J Assoc Off Anal Chem** 1984 Mar–Apr;67(2):290–4

ISOLATION & PURIFICATION

The use of ion exchange to remove aluminum from water used in hemodialysis. Petrie JJ, et al. **Am J Kidney Dis** 1984 Jul;4(1):69–74

METABOLISM

Aluminum and metabolic bone disease [letter] Jeejeebhoy KN, et al. **Ann Intern Med** 1983 Nov;99(5):733–4
A thermodynamic and electron paramagnetic resonance study of structural changes in calmodulin induced by aluminum binding. Siegel N, et al. **Biochem Biophys Res Commun** 1983 Sep 15;115(2):512–7
Aluminum ion deposition in rat tissues following implantation of a ceramic-metal disc. Drummond JL, et al. **Biomater Med Devices Artif Organs** 1983;11(2–3):147–59
Suboptimal dietary zinc intake increases aluminum accumulation into the rat brain. Wenk GL, et al. **Brain Res** 1983 Dec 12;288(1–2):393–5
Effect of aluminum and parathyroid hormone on osteoblasts and bone mineralization in chronic renal failure. Dunstan CR, et al. **Calcif Tissue Int** 1984 Mar;36(2):133–8
Aluminium interaction with 67Ga uptake by human plasma and transferrin. Cochran M, et al. **Clin Chim Acta** 1983 Aug 15;132(2):199–203
Specific binding of sucralfate in gastric ulcer and gastritis. Sasaki H, et al. **Clin Ther** 1983;5(5):545–57
Analytical problems related to Al-determination in body fluids, water and dialysate. Cornelis R, et al. **Contrib Nephrol** 1984;38:1–11
In vitro adsorption of bile salts and aspirin to sucralfate. Graham DY, et al. **Dig Dis Sci** 1984 May;29(5):402–6
Underestimation of equilibrium radionuclide left ventricular ejection fraction due to myocardial uptake of 99mTc. Hoilund-Carlsen PF, et al. **Eur J Nucl Med** 1984;9(2):91–3
Intranuclear aluminum accumulation in chronic animals with experimental neurofibrillary changes. Uemura E. **Exp Neurol** 1984 Jul;85(1):10–8
Impaired renal function and aluminum metabolism. Mayor GH, et al. **Fed Proc** 1983 Oct;42(13):2979–83
Excretion and retention of low or moderate levels of aluminium by human subjects. Greger JL, et al. **Food Chem Toxicol** 1983 Aug;21(4):473–7
Aluminium concentrations in the brain and bone of rats fed citric acid, aluminium citrate or aluminium hydroxide. Slanina P, et al. **Food Chem Toxicol** 1984 May;22(5):391–7
Detection and distribution of aluminium in bone. Denton J, et al. **J Clin Pathol** 1984 Feb;37(2):136–42
Bone marrow aluminium storage in renal failure. Kaye M. **J Clin Pathol** 1983 Nov;36(11):1288–91
Bone histoquantitative findings and histochemical staining reactions for aluminium in chronic renal failure patients treated with haemodialysis fluids containing high and low concentrations of aluminium. McClure J, et al. **J Clin Pathol** 1983 Nov;36(11):1281–7
Parenteral aluminum administration in the dog: I. Plasma kinetics, tissue levels, calcium metabolism, and parathyroid hormone. Henry DA, et al. **Kidney Int** 1984 Feb; 25(2):362–9
Effect of desferrioxamine on removal of aluminum and iron by coated charcoal haemoperfusion and haemodialysis. Chang TM, et al. **Lancet** 1983 Nov 5;2(8358):1051–3
Effect of desferrioxamine on aluminum kinetics during hemodialysis. Stummvoll HK, et al. **Miner Electrolyte Metab** 1984;10(4):263–6
The use of deferoxamine in the management of aluminium accumulation in bone in patients with renal failure. Malluche HH, et al. **N Engl J Med** 1984 Jul 19;311(3):140–4
Imaging of calcium and aluminum in neurofibrillary tangle-bearing neurons in parkinsonism-dementia of Guam. Garruto RM, et al. **Proc Natl Acad Sci USA** 1984 Mar; 81(6):1875–9
Effects of subchronic desferrioxamine infusion on aluminum toxicity in rabbits. Melograna JM, et al. **Res Commun Chem Pathol Pharmacol** 1984 Jun; 44(3):411–22
Effect of the chelator desferrioxamine on aluminum elimination in rabbits. Melograna JM, et al. **Res Commun Chem Pathol Pharmacol** 1983 Jun; 40(3):497–509
Binding of sucralfate to duodenal ulcer in man. Sasaki H, et al. **Scand J Gastroenterol [Suppl]** 1983;83:13–4
Aluminum kinetics of the REDY system: a study of the impact of deferoxamine therapy. Culpepper CP, et al. **Trans Am Soc Artif Intern Organs** 1983;29:76–80

PHARMACODYNAMICS

Evidence of increased parathyroid activity on discontinuation of high-aluminum dialysate in patients undergoing hemodialysis. O'Hare JA, et al. **Am J Med** 1984 Aug; 77(2):229–32
Organic acids prevent aluminum-induced conformational changes in calmodulin. Suhayda CG, et al. **Biochem Biophys Res Commun** 1984 Feb 29;119(1):376–81
The effects of Al3+, Cd2+ and Mn2+ on human erythrocyte choline transport. King RG, et al. **Biochem Pharmacol** 1983 Dec 1;32(23):3611–7
Aluminum activation and inactivation of bovine caudate acetylcholinesterase. Marquis JK, et al. **Bull Environ Contam Toxicol** 1984 Jun;32(6):704–10
Aluminum inhibition of human serum cholinesterase. Marquis JK. **Bull Environ Contam Toxicol** 1983 Aug;31(2):164–9
Interference of aluminum and pH on the Na-influx in an aquatic insect Corixa punctata (Illig.). Witters H, et al. **Bull Environ Contam Toxicol** 1984 May;32(5):575–9
Effect of aluminum ingestion on lipid peroxidation in rats. Ohtawa M, et al. **Chem Pharm Bull (Tokyo)** 1983 Apr; 31(4):1415–8
Sucralfate. A review of its pharmacodynamic properties and therapeutic use in peptic ulcer disease. Brogden RN, et al. **Drugs** 1984 Mar;27(3):194–209 (75 ref.)
Effect of aluminium and nickel on aflatoxin production by Aspergillus flavus. Malini R, et al. **Folia Microbiol (Praha)** 1984;29(2):104–7
Effect of Al3+ on electron transport catalysed by photosystem I & II of photosynthesis in cyanobacterium Synechococcus spheroplasts & beet-spinach chloroplasts.

Wavare RA, et al. **Indian J Biochem Biophys** 1983 Oct; 20(5):301–3

Aluminum ions stimulate DNA synthesis in quiescent cultures of Swiss 3T3 and 3T6 cells. Smith JD. **J Cell Physiol** 1984 Mar;118(3):298–304

Inhibition of brain glycolysis by aluminum. Lai JC, et al. **J Neurochem** 1984 Feb;42(2):438–46

Aluminum effect on slow axonal transport: a novel impairment of neurofilament transport. Bizzi A, et al. **J Neurosci** 1984 Mar;4(3):722–31

The effect of aluminum on neuronal lipofuscin. Harris SJ. **Mech Ageing Dev** 1983 Oct;23(2):115–22

Cimetidine–sucralfate drug interaction. Ritschel WA, et al. **Methods Find Exp Clin Pharmacol** 1984 May;6(5):261–3

Influence of aluminium on the effect of 1 alpha (OH)D3 on renal osteodystrophy. Shimada H, et al. **Nephron** 1983; 35(3):163–70

Aluminum inhibition of ADP-ribosylation in vivo and in vitro. McLachlan DR, et al. **Neurobehav Toxicol Teratol** 1983 Nov–Dec;5(6):645–7

High affinity uptake of GABA and glycine by rabbits with aluminum–induced neurofibrillary changes. Sturman JA, et al. **Neurochem Res** 1983 Sep;8(9):1097–109

The effect of aluminum on the metabolism of embryonic chick bone in tissue culture. Miyahara T, et al. **Toxicol Lett** 1984 May;21(2):237–40

[Sucralfate (Ulcogant). Mechanism of action of a cytoprotective agent] Steiner KF. **Fortschr Med** 1983 Dec 8;101(46):2153–6 contd **(Ger)**

[Conditions for immobilizing protosubtilin on aluminum oxide using transitional metal ions] Khodakovskaia ZhM, et al. **Prikl Biokhim Mikrobiol** 1984 Jan–Feb;20(1):88–94 (Eng. Abstr.) **(Rus)**

POISONING

Laser microprobe mass analysis and aluminum toxicity [editorial] Savory J, et al. **Clin Chem** 1984 May;30(5):605

Oral aluminum toxicity in a non–dialyzed patient with renal failure. Kaye M. **Clin Nephrol** 1983 Oct;20(4):208–11

Bone ultrastructure and x-ray microanalysis of aluminum–intoxicated hemodialyzed patients. Plachot JJ, et al. **Kidney Int** 1984 May;25(5):796–803

Bladder cancer in the aluminium industry. Thériault G, et al. **Lancet** 1984 Apr 28;1(8383):947–50

Aluminum intoxication [editorial] Alfrey AC. **N Engl J Med** 1984 Apr 26;310(17):1113–5

Aluminum intoxication from aluminum–containing phosphate binders in children with azotemia not undergoing dialysis. Andreoli SP, et al. **N Engl J Med** 1984 Apr 26; 310(17):1079–84

Pathogenesis of dialysis encephalopathy. Arieff AI, et al. **Neurobehav Toxicol Teratol** 1983 Nov–Dec;5(6):641–4 (19 ref.)

Aluminum, parathyroid hormone, and osteomalacia. Burnatowska–Hledin MA, et al. **Spec Top Endocrinol Metab** 1983;5:201–26 (123 ref.)

[Aluminum poisoning in renal dialysis patients: bone histology. Value of quantitative bone biopsy] Charhon SA, et al. **Presse Med** 1984 Jun 2;13(23):1431–4 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Structural changes in axillary eccrine glands following long–term treatment with aluminium chloride hexahydrate solution. Hölzle E, et al. **Br J Dermatol** 1984 Apr; 110(4):399–403

Sucralfate, bismuth compounds, substituted benzimidazoles, trimipramine and pirenzepine in the short– and long–term treatment of duodenal ulcer. Tytgat GN, et al. **Clin Gastroenterol** 1984 May;13(2):543–68 (168 ref.)

Drug therapy questions & answers. **Colo Med** 1983 Aug; 80(8):221–4

Recalcitrant unilateral infection associated with congenital leg hypertrophy cleared by control of hyperhidrosis. Shelley WB, et al. **Cutis** 1984 Mar;33(3):281–2

Effects of an antiulcer drug, sucralfate (a basic aluminum salt of sulfated disaccharide), on experimental gastric lesions and gastric secretion in rats. Okabe S, et al. **Dig Dis Sci** 1983 Nov;28(11):1034–42

Sucralfate suspension for stomatitis [letter] Ferraro JM, et al. **Drug Intell Clin Pharm** 1984 Feb;18(2):153

Sucralfate for peptic ulcer. **Drug Ther Bull** 1983 Sep 9; 21(18):69–70

Treatment of postsclerotherapy esophageal ulcers with sucralfate. Roark G. **Gastrointest Endosc** 1984 Feb; 30(1):9–10

Sucralfate and carbenoxolone in the treatment of functional disturbances following partial gastrectomy. Corsini G, et al. **Int J Tissue React** 1984;6(2):185–8

Acidrine in the management of gastritis and duodenitis. A double–blind placebo controlled clinical trial. Galeone M, et al. **J Int Med Res** 1984;12(1):51–5

Sucralfate for peptic ulcer—a reappraisal. **Med Lett Drugs Ther** 1984 Apr 27;26(660):43–4

The other option in peptic ulcer therapy. Halter F. **S Afr Med J** 1984 Jun 23;65(25):996–1000 (31 ref.)

Proceedings of the 2nd International Sucralfate Symposium, The 7th World Congress of Gastroenterology, Stockholm 1982. **Scand J Gastroenterol [Suppl]** 1983;83:1–82

Effect of sucralfate on peptic ulcer recurrence: a controlled double–blind multicenter study. Classen M, et al. **Scand J Gastroenterol [Suppl]** 1983;83:61–8

Controlled comparison of sucralfate and cimetidine in duodenal ulcer. Hentschel E, et al. **Scand J Gastroenterol [Suppl]** 1983;83:31–5

Sucralfate, and cimetidine for gastric ulcer. Lahtinen J, et al. **Scand J Gastroenterol [Suppl]** 1983;83:49–51

Maintenance treatment of patients with healed peptic ulcer with sucralfate, placebo and cimetidine. Libeskind M. **Scand J Gastroenterol [Suppl]** 1983;83:69–70

Relapse rates following initial ulcer healing with sucralfate and cimetidine. Marks IN, et al. **Scand J Gastroenterol [Suppl]** 1983;83:53–6

Maintenance sucralfate and duodenal ulcer relapse—an interim report. Marks IN, et al. **Scand J Gastroenterol [Suppl]** 1983;83:71–3

Short–term treatment with sucralfate or cimetidine in gastric ulcer: preliminary results of a controlled randomized trial. Martin F, et al. **Scand J Gastroenterol [Suppl]** 1983;83:37–41

Double–blind placebo–controlled evaluation of one year therapy with sucralfate in healed duodenal ulcer. Moshal MG, et al. **Scand J Gastroenterol [Suppl]** 1983;83:57–9

Effect of sucralfate on ethanol–induced gastric mucosal damage in the rat. Nagashima R, et al. **Scand J Gastroenterol [Suppl]** 1983;83:17–20

Comparison of sucralfate and cimetidine in the treatment of duodenal and gastric ulcers. A multicenter study. Pop P, et al. **Scand J Gastroenterol [Suppl]** 1983;83:43–7

Inhibition of peptic aggression by sucralfate. The view from the ulcer crater. Samloff IM. **Scand J Gastroenterol [Suppl]** 1983;83:7–11

Prevention of experimental duodenal ulcer in the rat by sucralfate. Smolow CR, et al. **Scand J Gastroenterol [Suppl]** 1983;83:15–6

A placebo–controlled, double–blind study of sucralfate in the short–term treatment of duodenal ulcer. Sung JL, et al. **Scand J Gastroenterol [Suppl]** 1983;83:21–4

[Treatment of reflux esophagitis with sucralfat] Weiss W, et al. **Dtsch Med Wochenschr** 1983 Nov 11;108(45):1706–11 (Eng. Abstr.) **(Ger)**

[Changes in the transmural electric potential difference in the region of stomach ulcer. Local effect of sucralfate, aluminum hydroxide and magnesium trisilicate] Möckel W, et al. **Fortschr Med** 1984 Jul 12;102(25–26):709–12 (Eng. Abstr.) **(Ger)**

[Sucralfate (Ulcogant). The mechanism of action of a cytoprotective agent] Steiner KF. **Fortschr Med** 1983 Dec 15;101(47–48):2197–200concl (Eng. Abstr.) **(Ger)**

[Recurrence of duodenal ulcer after therapy with Sucralfat or cimetidine] Hentschel E, et al. **Wien Klin Wochenschr** 1984 Feb 17;96(4):153–6 (Eng. Abstr.) **(Ger)**

[Axillary hyperhidrosis] Veholmen O. **Tidsskr Nor Laegeforen** 1984 Mar 10;104(7):508, 511 (Eng. Abstr.) **(Nor)**

[Porous corundum ceramics as a biological material] Bieniek J, et al. **Chir Narzadow Ruchu Ortop Pol** 1983;48(3):285–8 (Eng. Abstr.) **(Pol)**

TOXICITY

Cytochemical study on the effect of aluminum on neuronal Golgi apparatus and lysosomes. Gruca S, et al. **Acta Neuropathol (Berl)** 1984;63(4):287–95

Aluminum–induced neurofibriliary changes in axons and dendrites. Wisniewski HM, et al. **Acta Neuropathol (Berl)** 1984;63(3):190–7

Effect of cadmium and aluminum on bone alkaline and acid phosphatases. Sugawara N, et al. **Bull Environ Contam Toxicol** 1983 Oct;31(4):386–90

The health effects of aluminum compounds in mammals. Krueger GL, et al. **CRC Crit Rev Toxicol** 1984;13(1):1–24 (236 ref.)

A 6–month dietary toxicity study of acidic sodium aluminium phosphate in beagle dogs. Katz AC, et al. **Food Chem Toxicol** 1984 Jan;22(1):7–9

Short–term aluminum administration in the rat: reductions in bone formation without osteomalacia. Goodman WG. **J Lab Clin Med** 1984 May;103(5):749–57

Experimental aluminium encephalopathy: quantitative EEG analysis of aluminium bioavailability. Cutrufo C, et al. **J Neurol Neurosurg Psychiatry** 1984 Feb;47(2):204–6

Parenteral aluminum administration in the dog: II. Induction of osteomalacia and effect on vitamin D metabolism. Goodman WG, et al. **Kidney Int** 1984 Feb;25(2):370–5

Dialysis encephalopathy associated with polyvalent ion contamination. Hocken AG. **NZ Med J** 1984 Mar 28; 97(752):190–2

Liver, kidney, and central nervous system toxicity of aluminum given intraperitoneally to rats: a multiple–dose subchronic study using aluminum nitrilotriacetate. Ebina Y, et al. **Toxicol Appl Pharmacol** 1984 Sep 15;75(2):211–8

Toxicity of aluminum exposure during lactation to the maternal and suckling rabbit. Yokel RA. **Toxicol Appl Pharmacol** 1984 Aug;75(1):35–43

[Experimental study on the fibrogenic effect of metallic aluminum powder in the lung] Hu TX. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1983 Jul;17(4):202–4 (Eng. Abstr.) **(Chi)**

[Oxidative enzyme activity and morphological characteristics of human placentas from term pregnancies near an aluminum plant in Skawina] Zamorska L. **Folia Med Cracov** 1982–83;24(1–2):67–88 (Eng. Abstr.) **(Pol)**

[Comparative study of the sensitizing effects of metals of the platinum group] Kolpakova AF, et al. **Gig Tr Prof Zabol** 1983 Jul;(7):22–4 (Eng. Abstr.) **(Rus)**

ALUMINUM HYDROXIDE

Characterization of aluminum hydroxide for use as an adjuvant in parenteral vaccines. Hem SL, et al. **J Parenter Sci Technol** 1984 Jan–Feb;38(1):2–10

Physiochemical interpretation of pH–stat titration of amorphous aluminum hydroxycarbonate. Scholtz EC, et al. **J Pharm Sci** 1983 Aug;72(8):973–5

Mechanism of freeze–thaw instability of aluminum hydroxycarbonate and magnesium hydroxide gels. Zapata MI, et al. **J Pharm Sci** 1984 Jan;73(1):3–8

ADMINISTRATION & DOSAGE

The production and properties of gel precipitated aluminium hydroxide spheres containing imipramine. Ramsey MP, et al. **J Pharm Pharmacol** 1984 Jan;36(1):1–6

Plasma aluminium levels in patients on maintenance haemodialysis fall when oral aluminium hydroxide is withdrawn. Wallace MR, et al. **NZ Med J** 1983 Oct 26; 96(742):793–5

Influence of aluminium hydroxide intake on haemoglobin concentrations and blood transfusion requirements in haemodialysis patients. Cannata JB, et al. **Proc Eur Dial Transplant Assoc** 1983;20:719–24

[Hyperaluminemia in chronic hemodialysis patients. Evaluation of the respective roles of dialysate aluminum and oral aluminum hydroxide] Tahiri Y, et al. **Nephrologie** 1983;4(3):129–33 (Eng. Abstr.) **(Fre)**

[High dose aluminum hydroxide in the treatment of duodenal ulcer. Controlled clinical study versus ranitidine] Galeone M, et al. **Clin Ter** 1983 Jul 31;106(2):117–20 (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

Osteomalacia and osteitis fibrosa in a man ingesting aluminum hydroxide antacid. Carmichael KA, et al. **Am J Med** 1984 Jun;76(6):1137–43

Increased vomiting induced by an antiemetic drug. Sinaasappel M, et al. **Arch Dis Child** 1984 Mar;59(3):272–4

Amphojeloma: antacid impaction in a critically ill patient. Girotti MJ, et al. **Can J Surg** 1984 Jul;27(4):379–80, 382

Magnesium load induced by ingestion of magnesium–containing antacids. Lembcke B, et al. **Contrib Nephrol** 1984;38:185–94

Reactions to aluminum and its salts. Fisher AA. **Cutis** 1984 Feb;33(2):154, 159

Daonil versus diovol [letter] Agarwal BD. **J Assoc Physicians India** 1983 Apr;31(4):259

Aluminum in the joint tissues of chronic renal failure patients treated with regular hemodialysis and aluminum compounds. Netter P, et al. **J Rheumatol** 1984 Feb; 11(1):66–70

Aluminum intoxication from aluminum–containing phosphate binders in children with azotemia not undergoing dialysis. Andreoli SP, et al. **N Engl J Med** 1984 Apr 26; 310(17):1079–84

Risk of orally administered aluminium hydroxide and results of withdrawal. Bournerias F, et al. **Proc Eur Dial Transplant Assoc** 1983;20:207–12

[Osteomalacia and severe backache as a complication of long–term intake of Novalucol] Fredstorp L, et al. **Lakartidningen** 1984 Feb 1;81(5):359–60 **(Swe)**

ANALOGS & DERIVATIVES

Acyl silicates and acyl aluminates as activated intermediates in peptide formation on clays. White DH, et al. **Orig Life** 1984;14(1–4):273–8

ANALYSIS

Desorption of carbonate from aluminum hydroxycarbonate gel by nitrogen purging. Scholtz EC, et al. **J Pharm Sci** 1984 Feb;73(2):209–12

Properties of carbonate–containing aluminum hydroxide produced by precipitation at constant pH. Scholtz EC, et al. **J Pharm Sci** 1984 Jul;73(7):967–73

Exchange of sodium by magnesium in aluminum hydroxycarbonate gel. Scholtz EC, et al. **J Pharm Sci** 1984 Jul;73(7):1007–9

[Spectrophotometric determination of aldioxa in pharmaceutical preparations] Sato K, et al. **Yakugaku Zasshi** 1983 Oct;103(10):1100–2 (Eng. Abstr.) **(Jpn)**

METABOLISM

Effect of antacids on predicted steady–state cimetidine concentrations. Russell WL, et al. **Dig Dis Sci** 1984 May; 29(5):385–9

Aluminium concentrations in the brain and bone of rats fed citric acid, aluminium citrate or aluminium hydroxide. Slanina P, et al. **Food Chem Toxicol** 1984 May;22(5):391–7

PHARMACODYNAMICS

A comparative assessment of a new antacid formulation based on magaldrate. McCafferty DF, et al. **J Clin Hosp Pharm** 1983 Dec;8(4):349–55

Absolute bioavailability and effect of food and antacid on

diazepam absorption from a slow-release preparation. Locniskar A, et al. **J Clin Pharmacol** 1984 May-Jun; 24(5-6):255-63

[The choice of an antacid in therapy: use of in vivo methods (letter)] Caulin C, et al. **Gastroenterol Clin Biol** 1983 Nov; 7(11):931 (Fre)

[Effects of a shielding antacid on changes in the gastric potential difference induced by aspirin in man] Florent C, et al. **Gastroenterol Clin Biol** 1984 Apr;8(4):359-63 (Eng. Abstr.) (Fre)

[Stool behavior following the administration of antacids] Kori-Lindner C. **Fortschr Med** 1984 Mar 22;102(11):318-22 (Eng. Abstr.) (Ger)

[Gastric stimulus response: Euphylline, theophylline, ethylenediamine and Riopan: gastric transmural potential difference (GPD)] Bruhn R, et al. **Methods Find Exp Clin Pharmacol** 1983 Oct;5(8):581-3 (Eng. Abstr.) (Ger)

THERAPEUTIC USE

Low dose antacid therapy for duodenal ulcer. Kumar N, et al. **Indian J Gastroenterol** 1983 Jul;2(2):83-4

Open safety-in-use trial of a new high-potency antacid product. Pawlowski GJ, et al. **J Int Med Res** 1983; 11(4):239-42

[Digitoxin blood picture and renal elimination in long-term therapy with aluminum-magnesium hydroxide gel] Kuhlmann J. **Dtsch Med Wochenschr** 1984 Jan 13; 109(2):59-61 (Eng. Abstr.) (Ger)

[Effect of aluminum hydroxide and 1-hydroxyethane-1,1-diphosphonate (EHDP) on the calcinogenic effect of Trisetum flavescens (L.,P.B.) in sheep] Dirksen G, et al. **Zentralbl Veterinarmed [A]** 1983 Nov;30(9):645-55 (Eng. Abstr.) (Ger)

ALUMINUM HYDROXIDE GEL see **ALUMINUM HYDROXIDE**

ALUMINUM OXIDE see under **ALUMINUM**

ALUMINUM SILICATES

Effect of CW YAG and argon green lasers on experimentally detached retinas. Peyman GA, et al. **Acta Ophthalmol (Copenh)** 1984 Jun;62(3):342-50

Asbestos contamination of vermiculite [letter] Hayward SB, et al. **Am J Public Health** 1984 May;74(5):519-20

Current status of neodymium: YAG laser photodisruptors in ophthalmology: Part II. Belcher CD 3d, et al. **Ann Ophthalmol** 1983 Dec;15(12):1097-9

Adsorption of reovirus to clay minerals: effects of cation-exchange capacity, cation saturation, and surface area. Lipson SM, et al. **Appl Environ Microbiol** 1983 Sep; 46(3):673-82

Effects of suspended clay on bioconcentration of Kelthane in fathead minnows. Eaton JG, et al. **Arch Environ Contam Toxicol** 1983 Jul;12(4):439-45

Bronchoscopic therapy with neodymium-yttrium-aluminum-garnet laser during intravenous anesthesia. Effect on arterial blood gas levels, pH, hemoglobin saturation, and production of abnormal hemoglobin. Brutinel WM, et al. **Chest** 1983 Nov; 84(5):518-21

Mica: a convenient support for biological SEM specimens in a TEMSCAN microscope. Johansen BV, et al. **J Microsc** 1983 Oct;132 (Pt 1):67-9

Procedure for freeze-drying molecules adsorbed to mica flakes. Heuser JE. **J Mol Biol** 1983 Sep 5;169(1):155-95

ADMINISTRATION & DOSAGE

[The effect of feeding zeolite (clinoptilolite) on the health status of sheep] Bartko P, et al. **Vet Med (Praha)** 1983 Aug; 28(8):481-92 (Eng. Abstr.) (Slo)

[Supplementation of swine feed rations with zeolite during cage rearing] Bartko P, et al. **Vet Med (Praha)** 1983 Jul; 28(7):429-35 (Eng. Abstr.) (Slo)

ADVERSE EFFECTS

Retinal detachment following neodymium-YAG laser capsulotomy [letter] **Am J Ophthalmol** 1984 Aug 15; 98(2):248-50

Ocular effect of neodymium-YAG laser. Khodadoust AA, et al. **Am J Ophthalmol** 1984 Aug 15;98(2):144-52

Pulmonary changes after exposure to vermiculite contaminated with fibrous tremolite. Lockey JE, et al. **Am Rev Respir Dis** 1984 Jun;129(6):952-8

The effects of dispersion on fibrous clays in vitro and in vivo. Griffiths DM, et al. **Ann Occup Hyg** 1983; 27(4):405-14

Neodymium: YAG laser damage to glass intraocular lens. Fritch CD. **J Am Intraocul Implant Soc** 1984 Spring; 10(2):225

Ocular hypertension following Nd:YAG laser capsulotomy: a potentially blinding complication. Vine AK. **Ophthalmic Surg** 1984 Apr;15(4):283-4

Natural fibrous zeolites and their carcinogenicity-a review. Spurny KR. **Sci Total Environ** 1983 Sep;30:147-66

[Possible carcinogenic hazard of zeolite-clinoptilolite] Pylev LN, et al. **Gig Tr Prof Zabol** 1984 Mar;(3):48-51 (Rus)

METABOLISM

[Effect of Bulgarian potassium-calcium zeolites on the assimilation of macro- and trace elements in lambs] Petkova E, et al. **Vet Med Nauki** 1983;20(8):36-40 (Eng. Abstr.) (Bul)

[Demonstration of the gastrointestinal absorption of silicon from an alumino-silicate compound] Mauras Y, et al. **Therapie** 1983 Mar-Apr;38(2):175-8 (Eng. Abstr.) (Fre)

PHARMACODYNAMICS

Effects of the Nd:YAG laser on DNA synthesis and collagen production in human skin fibroblast cultures. Castro DJ, et al. **Ann Plast Surg** 1983 Sep;11(3):214-22

Reproduction and progeny growth in rats fed clinoptilolite in the presence or absence of dietary cadmium. Pond WG, et al. **Bull Environ Contam Toxicol** 1983 Dec;31(6):666-72

[Effects of a shielding antacid on changes in the gastric potential difference induced by aspirin in man] Florent C, et al. **Gastroenterol Clin Biol** 1984 Apr;8(4):359-63 (Eng. Abstr.) (Fre)

[AgNaX zeolites for extracting butylenes from the air and their chromatographic determination] Banakh OS, et al. **Gig Sanit** 1984 Feb;(2):53-5 (Rus)

[The effect of zeolite (clinoptilolite) on the post-feeding dynamics of N metabolism in the portal vein, jugular vein and the rumen fluid of bulls] Jacobi U, et al. **Vet Med (Praha)** 1984 Apr;29(4):207-16 (Eng. Abstr.) (Slo)

THERAPEUTIC USE

Neodymium-YAG laser therapy to the anterior hyaloid in aphakic malignant (ciliovitreal block) glaucoma. Epstein DL, et al. **Am J Ophthalmol** 1984 Aug 15;98(2):137-43

Bronchoscopic phototherapy with the neodymium-YAG laser. Brutinel WM, et al. **Chest** 1984 Aug;86(2):158-9

Principles for safety in application of neodymium-YAG laser in bronchology. Dumon JF, et al. **Chest** 1984 Aug; 86(2):163-8

Anterior capsulotomy of dislocated lenses in Marchesani syndrome using a Nd:YAG laser. Woodward PM. **J Am Intraocul Implant Soc** 1984 Spring;10(2):215-7

The reopening of closed filtering blebs using the neodymium: YAG laser. Praeger DL. **Ophthalmology** 1984 Apr; 91(4):373-7

Nd-YAG laser therapy for tracheobronchial disorders. Beamis JF Jr, et al. **Postgrad Med** 1984 Feb 15;75(3):173-80

[Nd-YAG laser irradiation for postoperative bronchial stenosis of sleeve lobectomy] Tomita M, et al. **Rinsho Kyobu Geka** 1984 Mar;4(2):177-82 (Eng. Abstr.) (Jpn)

[The effect of zeolite on experimentally induced acidosis in sheep] Bartko P, et al. **Vet Med (Praha)** 1983 Nov; 28(11):679-86 (Eng. Abstr.) (Slo)

TOXICITY

Pluripotential nature of mesotheliomata induced by inhalation of erionite in rats. Johnson NF, et al. **Br J Exp Pathol** 1984 Jun;65(3):377-88

Test for aluminosilicate teratogenicity in rats [letter] Nolen GA, et al. **Food Chem Toxicol** 1983 Oct;21(5):697

[Hygienic evaluation of working conditions in a fluorophlogopite casting plant] Felgin BG. **Gig Tr Prof Zabol** 1984 Apr;(4):9-11 (Eng. Abstr.) (Rus)

ALVEOLALGIA see **DRY SOCKET**

ALVEOLAR ABSCESS, APICAL see **PERIAPICAL ABSCESS**

ALVEOLAR PROCESS

see related
DENTAL ARCH

Squamous cell carcinoma of the alveolar ridge and palate. A 15-year survey. Ildstad ST, et al. **Ann Surg** 1984 Apr; 199(4):445-53

Interstitial radiotherapy in treatment of superficial tumours of the lower alveolar ridge. Alcock CJ, et al. **Clin Radiol** 1984 Sep;35(5):363-6

[Osteodental ankylosis] Aru G, et al. **Minerva Stomatol** 1984 Mar-Apr;33(2):253-8 (Eng. Abstr.) (Ita)

[Telangiectatic granuloma of the oral cavity in chronic thrombopenia] Badurowa A, et al. **Wiad Lek** 1983 Sep 15; 36(18):1541-4 (Eng. Abstr.) (Pol)

ABNORMALITIES

Incidence of malformations of the urinary tract in association with clefts of lip, alveolus, and palate. Strunz V, et al. **J Maxillofac Surg** 1984 Feb;12(1):14-6

[Primary rhinocheilognathoplasty of unilateral congenital clefts of the upper lip and alveolar process] Novoselov RD, et al. **Stomatologiia (Mosk)** 1984 May-Jun;63(3):72-5 (Eng. Abstr.) (Rus)

[Diagnosis and treatment of the pathological growth of lower wisdom teeth] Aleksandrov VA. **Voen Med Zh** 1984 May; (5):56 (Rus)

ANATOMY & HISTOLOGY

Healing of tooth extraction wounds in rats with renal hypertension. A histological study. Carvalho AA, et al. **J Nihon Univ Sch Dent** 1983 Sep;25(3):214-20

Histological study on the healing of rat dental sockets after partial removal of the buccal bony plate. Okamoto T, et al. **J Nihon Univ Sch Dent** 1983 Sep;25(3):202-13

Histometric evaluation of interproximal bone responses to electrosurgical mucoperiosteal incisions in dogs. Reinhardt RA, et al. **J Oral Maxillofac Surg** 1983 Dec;41(12):807-13

A 4 year follow-up study of alveolar bone height influenced by two dissimilar Class II amalgam restorations. Fisher D, et al. **J Oral Rehabil** 1984 Jul;11(4):399-405

Histological assessment of human periodontal defect after durapatite ceramic implant. Report of a case. Moskow BS, et al. **J Periodontol** 1983 Aug;54(8):455-62

Periodontal response after tooth movement into intrabony defects. Polson A, et al. **J Periodontol** 1984 Apr; 55(4):197-202

Long-term effect of orthodontic treatment on crestal alveolar bone levels. Polson AM, et al. **J Periodontol** 1984 Jan; 55(1):28-34

[Genetic study of maxillary alveolar base] Fukawa T. **Kokubyo Gakkai Zasshi** 1984 Mar;51(1):170 (Jpn)

CYTOLOGY

The cytology of the dental follicle and adjacent alveolar bone during tooth eruption in the dog. Marks SC Jr, et al. **Am J Anat** 1983 Nov;168(3):277-89

DRUG EFFECTS

Influence of experimental liver injury on rat blood and alveolar bone under stress. Lassila V, et al. **Acta Anat (Basel)** 1984;118(2):116-21

Effect of fluoroacetate on the physiological distal drift of rat molar. Ueno Y. **Bull Tokyo Med Dent Univ** 1983 Dec; 30(4):119-27

'Bone Wax' implantation into dental sockets. Clinical and histological evaluation in patients. Rodrigues SO, et al. **J Nihon Univ Sch Dent** 1983 Dec;25(4):284-92

ENZYMOLOGY

[Localization of beta-glucuronidase in human mouth mucosal epithelium] Hornová J, et al. **Acta Histochem (Jena)** 1983; 73(2):163-73 (Eng. Abstr.) (Ger)

[Effect of local use of carbostimulin on the activity of energy metabolism enzymes in mandibular alveolar process tissue in the rat] Kriukova GN, et al. **Ukr Biokhim Zh** 1984 Jan-Feb;56(1):92-4 (Eng. Abstr.) (Rus)

IMMUNOLOGY

Immune response and periodontal bone loss in germfree rats immunized and infected with Actinobacillus actinomycetemcomitans. Taubman MA, et al. **J Periodont Res** 1983 Jul;18(4):393-401

INNERVATION

Alterations in intradental nerve responsiveness induced by electrical stimulation of the inferior alveolar nerve in the cat. Panopoulos P, et al. **Acta Physiol Scand [Suppl]** 1983; 515:37-43

METABOLISM

Some properties of prostaglandin E2 receptors in rabbit alveolar bone cell membranes. Yoshizawa Y, et al. **Int J Biochem** 1983;15(8):991-5

MICROBIOLOGY

Microbiota of periodontal pockets losing crestal alveolar bone. Tanner AC, et al. **J Periodont Res** 1984 May; 19(3):279-91

PATHOLOGY

Alveolar bone graft resorption associated with abnormal dental follicle. ElDeeb M, et al. **Cleft Palate J** 1984 Jan; 21(1):22-8

The relationship between attachment level loss and alveolar bone loss. Goodson JM, et al. **J Clin Periodontol** 1984 May; 11(5):348-59

Longitudinal radiographical study on the rate of alveolar bone loss in patients of a dental school. Rohner F, et al. **J Clin Periodontol** 1983 Nov;10(6):643-51

Relationship between linear and area measurements of radiographic bone levels utilizing simple computerized techniques. Jeffcoat MK, et al. **J Periodont Res** 1984 Mar; 19(2):191-8

Periodontal bone loss in ovalbumin sensitized germfree rats fed antigen-free diet with ovalbumin. Taubman MA, et al. **J Periodont Res** 1983 May;18(3):292-302

Topographic classification of deformities of the alveolar process. Karn KW, et al. **J Periodontol** 1984 Jun; 55(6):336-40

The prevalence and distribution of intrabony defects in dry mandibles. Tal H. **J Periodontol** 1984 Mar;55(3):149-54

Implant-tissue interface of endosseous dental implants in dogs. validity of clinical evaluation methods. Wie H, et al. **J Prosthet Dent** 1984 Jul;52(1):76-81

Alveolar pyogenic granuloma: review and report of a case. Moriconi ES, et al. **Laryngoscope** 1984 Jun;94(6):807-9

Associations between gingivitis, pocket depths, and radiographic bone loss in interproximal areas in young

adults. Albandar JM, et al. **Scand J Dent Res** 1983 Oct; 91(5):371–5
Carcinoma of maxillary sinus, palate and maxillary gingiva: occurrence of jaw destruction. Larheim TA, et al. **Scand J Dent Res** 1984 Jun;92(3):235–40

PHYSIOLOGY

Experimental tooth ankylosis in the monkey. Rubin PL, et al. **Angle Orthod** 1984 Jan;54(1):67–72
Reevaluation of submerged vital roots. Bowles WH, et al. **J Am Dent Assoc** 1983 Sep;107(3):429–32
Connective tissue reattachment as related to presence or absence of alveolar bone. Lindhe J, et al. **J Clin Periodontol** 1984 Jan;11(1):33–40
Juvenile periodontitis: healing following autogenous iliac marrow graft, long–term evaluation. Mattout P, et al. **J Clin Periodontol** 1984 Apr;11(4):274–9
Wound healing following dental extractions in rabbits: effects of tranexamic acid, warfarin anti–coagulation, and socket packing. Vinckier F, et al. **J Dent Res** 1984 May; 63(5):646–9
Long–term study of hydroxylapatite implants in canine alveolar bone. Boyne PJ, et al. **J Oral Maxillofac Surg** 1984 Sep;42(9):589–94
Healing following citric acid conditioning of roots implanted into bone and gingival connective tissue. Gottlow J, et al. **J Periodont Res** 1984 Mar;19(2):214–220
The occurrence and activity of extracellular matrix vesicles in rat alveolar bone after the induction of local inflammation by bacterial products. Sela MN, et al. **J Periodont Res** 1984 Jul;19(4):382–9
Free autogenous graft coverage of vital retained roots. Lambert PM, et al. **J Prosthet Dent** 1983 Nov;50(5):611–7
Effects of salmon calcitonin on growth of teeth and on extraction socket healing in young rats. Gürkan L, et al. **Scand J Dent Res** 1983 Dec;91(6):425–30
[Tooth movement—the dento–alveolar system from a biomechanical viewpoint] Martinko V. **Fortschr Kieferorthop** 1984 Feb;45(1):1–8 (Eng. Abstr.) **(Ger)**
[The mechanism of movement in dentoalveolar articulation] Martinko V, et al. **Bratisl Lek Listy** 1984 Jan;81(1):29–37 (Eng. Abstr.) **(Slo)**

PHYSIOPATHOLOGY

Upper alveolar arch development in patients with total bilateral cleft lip and palate. Peterka M. **Acta Chir Plast (Prague)** 1984;26(1):30–8

RADIOGRAPHY

Intraligamentary—intraosseous anesthesia. A radiographic demonstration. Garfunkel AA, et al. **Int J Oral Surg** 1983 Oct;12(5):334–9
Influence of variations in projection geometry on the detectability of periodontal bone lesions. A comparison between subtraction radiography and conventional radiographic technique. Gröndahl K, et al. **J Clin Periodontol** 1984 Jul;11(6):411–20
Techniques for assessing alveolar bone mass changes in periodontal disease with emphasis on 125I absorptiometry. Hausmann E, et al. **J Clin Periodontol** 1983 Sep; 10(5):455–64
A radiographic method for measuring augmented alveolar ridges. Rothstein SS, et al. **J Oral Maxillofac Surg** 1984 Jan;42(1):61–3
A new method for the comparison of bone loss measurements on non–standardized radiographs. Jeffcoat MK, et al. **J Periodont Res** 1984 Jul;19(4):434–40
Relationships between bitewing and periapical radiographs in assessing crestal alveolar bone levels. Reed BE, et al. **J Periodontol** 1984 Jan;55(1):22–7

SURGERY

The use of cranial bone grafts in the closure of alveolar and anterior palatal clefts. Wolfe SA, et al. **Plast Reconstr Surg** 1983 Nov;72(5):659–71

ULTRASTRUCTURE

Neutral peptidase activities in matrix vesicles from bovine fetal alveolar bone and dog osteosarcoma. Hirschman A, et al. **Calcif Tissue Int** 1983 Sep;35(6):791–7

ALVEOLAR RIDGE AUGMENTATION see under **SURGERY, ORAL, PREPROSTHETIC**

ALVEOLECTOMY

Histological study on the healing of rat dental sockets after partial removal of the buccal bony plate. Okamoto T, et al. **J Nihon Univ Sch Dent** 1983 Sep;25(3):202–13

METHODS

Histometric evaluation of interproximal bone responses to electrosurgical mucoperiosteal incisions in dogs. Reinhardt RA, et al. **J Oral Maxillofac Surg** 1983 Dec;41(12):807–13

ALVEOLITIS, EXTRINSIC ALLERGIC

Hypersensitivity pneumonitis. Fink JN. **J Allergy Clin Immunol** 1984 Jul;74(1):1–10
[Farmer's lung and pigeon breeder's pneumopathy: description of 2 acute episodes] Curradi F, et al. **Med Lav** 1983 Nov–Dec;74(6):475–81 (Eng. Abstr.) **(Ita)**
[Experimental model of hypersensitivity pneumonia in rats] Quezada A, et al. **Rev Med Chil** 1983 Apr;111(4):389–96 (Eng. Abstr.) **(Spa)**

CHEMICALLY INDUCED

Alveolitis during chrysotherapy for rheumatoid arthritis. Franzén P, et al. **Acta Med Scand** 1983;214(3):249–51
Combined alveolitis and asthma due to hexamethylene diisocyanate (HDI), with demonstration of crossed respiratory and immunologic reactivities to diphenylmethane diisocyanate (MDI). Malo JL, et al. **J Allergy Clin Immunol** 1983 Oct;72(4):413–9
Acute airway obstruction followed by hypersensitivity pneumonitis in an isocyanate (MDI) worker. Baur X, et al. **J Occup Med** 1984 Apr;26(4):285–7
Naproxen and pneumonitis [letter] Londino AV Jr, et al. **JAMA** 1984 Oct 12;252(14):1853
Five cases of immune–mediated amiodarone pneumonitis [letter] Venet A, et al. **Lancet** 1984 Apr 28;1(8383):962–3
Procarbazine associated alveolitis. Lewis LD. **Thorax** 1984 Mar;39(3):206–7
[Diisocyanate–induced asthma and alveolitis] Laitinen J, et al. **Duodecim** 1984;100(4):220–5 (Eng. Abstr.) **(Fin)**

COMPLICATIONS

Eisenmenger's syndrome complicated by severe pulmonary disease. Part two. Mohammad IN, et al. **Ann Allergy** 1983 Nov;51(5):518–22
Eisenmenger's syndrome complicated by severe pulmonary disease. Part one. Mohammad IN, et al. **Ann Allergy** 1983 Nov;51(5):497–9
Primary chylopericardium associated with allergic alveolitis. Bewick DJ, et al. **Can Med Assoc J** 1984 Jun 15; 130(12):1577–9
[Bronchial carcinoma and keeping birds; study of a possible interrelationship observed in a family practice] Holst PA. **Ned Tijdschr Geneeskd** 1984 May 12;128(19):899–902 (Eng. Abstr.) **(Dut)**
[Bird fancier's lung and Crohn disease. Apropos of a case] Chemla D, et al. **Poumon Coeur** 1983;39(4):197–9 (Eng. Abstr.) **(Fre)**
[Extrinsic allergic alveolitis and a febrile syndrome] Montero Domínguez JP, et al. **Rev Clin Esp** 1983 Sep 15;170(5):227–8 **(Spa)**

DIAGNOSIS

Recurrent dyspnea in a 35–year–old female [clinical conference] Bar–Sela S, et al. **Ann Allergy** 1984 Feb; 52(2):73–4, 99–101
Bird fancier's disease [editorial] Davies D. **Br Med J [Clin Res]** 1983 Oct 29;287(6401):1239–40
Pigeon breeder's disease. Fink JN. **Clin Rev Allergy** 1983 Dec;1(4):497–508
Hypersensitivity pneumonitis—general considerations. Schatz M, et al. **Clin Rev Allergy** 1983 Dec;1(4):451–67
Extrinsic allergic alveolitis. Berman BA, et al. **Cutis** 1983 Dec;32(6):514–6
Lung reactions during poultry handling related to dust and bacterial endotoxin levels. Thelin A, et al. **Eur J Respir Dis** 1984 May;65(4):266–71
Dyspnea and cough in keeper of pet pigeon. Plaut M, et al. **Hosp Pract [Off]** 1984 May;19(5):204, 208, 215–7 passim
Clinical–immunologic correlates: a differential diagnostic update. Hypersensitivity pneumonitis. Chryssanthopoulos C, et al. **J Asthma** 1983;20(4):285–96 (71 ref.)
Coffee worker's lung: reconsideration of a case report [letter] Van den Bosch JM, et al. **Thorax** 1983 Sep;38(9):720
[Clinical signs for the evaluation of the severity of idiopathic fibrosing alveolitis with special reference to the dependence of velco rales—so–called state sign] Cegla UH. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:802–4 (Eng. Abstr.) **(Ger)**
[Allergic alveolitis in the hard metal industry?] Liebetrau G, et al. **Prax Klin Pneumol** 1983 Aug;37(8):301–3 (Eng. Abstr.) **(Ger)**
[Immunologic and pathophysiologic studies of employees of a poultry farm. 2: Diagnostic lung function tests] Wuthe H, et al. **Prax Klin Pneumol** 1983 Jul;37(7):270–2 (Eng. Abstr.) **(Ger)**
[Extrinsic allergic alveolitis: comparison of 2 methods (Ouchterlony gel precipitation and ELISA) for antibody detection in routine diagnosis] Obexer G, et al. **Wien Klin Wochenschr** 1983 Nov 25;95(22):789–91 (Eng. Abstr.) **(Ger)**
[Two cases of pigeon breeder's disease] Nagao K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1984 Feb;22(2):144–9 (Eng. Abstr.) **(Jpn)**
[Diagnostic indicators in exogenous allergic alveolitis (poultry farmers' disease)] Khomenko AG, et al. **Sov Med** 1984;(4):23–8 (Eng. Abstr.) **(Rus)**

ECONOMICS

Hypersensitivity pneumonitis—economic and legal aspects. Licorish KA. **Clin Rev Allergy** 1983 Dec;1(4):487–96

ENZYMOLOGY

[Angiotensin converting enzyme at different stages of extrinsic allergic alveolitis. Serum and alveolar study] Vergnon JM, et al. **Bull Eur Physiopathol Respir** 1983 Sep–Oct;19(5):439–45 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Animal studies of potential chronic lung disease of workers in swine confinement buildings. Donham KJ, et al. **Am J Vet Res** 1984 May;45(5):926–31
Extrinsic allergic bronchiolitis in a bird fancier. Harries MG, et al. **Br J Ind Med** 1984 May;41(2):220–3
Extrinsic allergic alveolitis in the tobacco industry. Huuskonen MS, et al. **Br J Ind Med** 1984 Feb;41(1):77–83
Humidifier lung. Marinkovich VA, et al. **Clin Rev Allergy** 1983 Dec;1(4):533–6
Capsule reviews of other hypersensitivity pneumonitis syndromes. Novey HS. **Clin Rev Allergy** 1983 Dec; 1(4):537–42
Drug–related pneumonitis and drug–induced hypersensitivity pneumonitis [letter] Akoun GM, et al. **Lancet** 1984 Jun 16;1(8390):1362–3
Penicillium allergic alveolitis: faulty installation of central heating. Fergusson RJ, et al. **Thorax** 1984 Apr;39(4):294–8
Hypersensitivity pneumonitis due to Aspergillus fumigatus in compost. Vincken W, et al. **Thorax** 1984 Jan;39(1):74–5
[Allergic alveolitis in a mushroom–farm worker] Kulmala T, et al. **Duodecim** 1984;100(11):682–5 (Eng. Abstr.) **(Fin)**
[Exogenous allergic alveolitis] Il'kovich MM, et al. **Probl Tuberk** 1983 Aug;(8):36–8 (Eng. Abstr.) **(Rus)**
[Pneumonitis caused by hypersensitivity in workers exposed to esparto grass (stipatosis)] Hinojosa Macías M, et al. **Med Clin (Barc)** 1984 Feb 11;82(5):214–7 (Eng. Abstr.) **(Spa)**
[Pneumonitis caused by hypersensitivity to esparto grass (editorial)] Morell Brotad F. **Med Clin (Barc)** 1984 Feb 11;82(5):207–8 **(Spa)**
[Suberosis: extrinsic allergic alveolitis in a cork worker] Ruiz Manzano J, et al. **Med Clin (Barc)** 1984 Feb 18;82(6):265–6 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Experimental allergic alveolitis in mice induced by Thermoactinomyces vulgaris. Seppä A, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1984 Mar; 92(2):125–31
Hypersensitivity pneumonitis induced by Trichosporon cutaneum. Shimazu K, et al. **Am Rev Respir Dis** 1984 Sep; 130(3):407–11
Lung T cells in hypersensitivity pneumonitis. Leatherman JW, et al. **Ann Intern Med** 1984 Mar;100(3):390–2
Precipitins to inhaled avian antigens: results of an inter–laboratory study. Bergmann KC, et al. **Clin Allergy** 1983 Sep;13(5):451–7
Analysis of rabbit lung lavage immunoglobulins during the course of pulmonary inflammation induced with aerosolized antigen. Calvanico NJ, et al. **Clin Exp Immunol** 1984 May;56(2):302–10
Skin testing and extrinsic allergic alveolitis. McSharry C, et al. **Clin Exp Immunol** 1983 Oct;54(1):282–8
Antibody measurement in extrinsic allergic alveolitis. McSharry C, et al. **Eur J Respir Dis** 1984 May;65(4):259–65
Detection of precipitating and complement consuming antibodies by enzyme linked immune sorbent assay in pigeon breeders' disease. Huizinga M, et al. **Immunobiology** 1984 Mar;166(2):168–76
A unique substance from the granary weevil: nonspecific immunoglobulin binding substance. Mitsuhashi M, et al. **Int Arch Allergy Appl Immunol** 1983;72(4):310–5
Sarcoidosic alveolitis: a classification based on flow cytometric studies of T lymphocyte activation. Mornex JF, et al. **Monogr Allergy** 1983;18:178–80
[Bird breeder's lung. Apropos of 22 cases and immunoelectrophoretic study of a population of 100 pigeon–fanciers presumed to be free from respiratory pathology] Grignet JP, et al. **LARC Med** 1984 Apr; 4(4):205–13 (Eng. Abstr.) **(Fre)**

MICROBIOLOGY

Pulmonary fibrosis, with sarcoid granulomas and angiitis, associated with handling of mouldy lichen. Reijula K, et al. **Eur J Respir Dis** 1983 Nov;64(8):625–9
[Penicillium growing on wood–chips—mildew causing allergic alveolitis] van Assendelft AH, et al. **Duodecim** 1984; 100(3):158–60 **(Fin)**

OCCURRENCE

Summer–type hypersensitivity pneumonitis. A unique disease in Japan. Kawai T, et al. **Chest** 1984 Mar;85(3):311–7

PATHOLOGY

Pulmonary response to repeated exposure to Micropolyspora faeni. Schuyler MR, et al. **Am Rev Respir Dis** 1983 Dec; 128(6):1071–6
A national survey of bird fanciers' lung: including its possible association with jejunal villous atrophy. (A report to the Research Committee of the British Thoracic Society). **Br J Dis Chest** 1984 Jan;78(1):75–88
Features of bronchoalveolar lavage differentiating hypersensitivity pneumonitis and pulmonary sarcoidosis at time of initial presentation. Cantin A, et al.

Clin Invest Med 1984;7(2):89–94

Hypersensitivity pneumonitis—pathology and pathogenesis. Richerson HB. Clin Rev Allergy 1983 Dec;1(4):469–86 (86 ref.)

[Birdbreeder's lung. Apropos of a fatal case. Immunohistochemical and anatomopathological study] Caulet T, et al. Arch Anat Cytol Pathol 1983;31(5):287–91 (Eng. Abstr.) (Fre)

[Bird-breeder's lung. Apropos of a fatal case. Immunohistochemical and anatomo-pathological study] Caulet T, et al. Sem Hop Paris 1984 Feb 16;60(8):559–63 (Eng. Abstr.) (Fre)

[An immunohistological study of experimental hypersensitivity pneumonitis in guinea pig] Hiura K. Arerugi 1984 May;33(5):290–8 (Eng. Abstr.) (Jpn)

PHYSIOPATHOLOGY

Lung function in children with hypersensitivity pneumonitis. Chiron C, et al. Eur J Respir Dis 1984 Feb;65(2):79–91

[Summer-type hypersensitivity pneumonitis] Kawai T. Kokyu To Junkan 1984 Apr;32(4):363–8 (Jpn)

RADIOGRAPHY

[Roentgen diagnosis of experimental allergic bronchoalveolitis] Amosov IS, et al. Radiol Diagn (Berl) 1983;24(5):657–64 (Eng. Abstr.) (Ger)

THERAPY

[Prognosis of exogenous allergic alveolitis in children] Lindemann H. Prax Klin Pneumol 1983 Oct;37 Suppl 1:1056–8 (Eng. Abstr.) (Ger)

ALVEOLOPLASTY

see related
DENTURE, COMPLETE, IMMEDIATE

METHODS

A longitudinal study of delayed periosteoplasty to the cleft alveolus. Hellquist R, et al. Cleft Palate J 1983 Oct; 20(4):277–88

A review of surgical procedures designed to increase the functional height of the resorbed alveolar ridge. Matras H. Int Dent J 1983 Dec;33(4):332–8

Use of hydroxylapatite for the augmentation of deficient alveolar ridges. Rothstein SS, et al. J Oral Maxillofac Surg 1984 Apr;42(4):224–30

Alloplastic implants of tricalcium phosphate ceramic in human periodontal osseous defects. Snyder AJ, et al. J Periodontol 1984 May;55(5):273–7

Early osteoplasty [letter] Rosenstein SW. Plast Reconstr Surg 1984 Jun;73(6):999–1000

The use of cranial bone grafts in the closure of alveolar and anterior palatal clefts. Wolfe SA, et al. Plast Reconstr Surg 1983 Nov;72(5):659–71

[Reconstructive alveoloplasty. Interventions for alveolar crest augmentation.1 A clinical note] Magnani G, et al. Minerva Stomatol 1984 Jan-Feb;33(1):187–9 (Eng. Abstr.) (Ita)

[Primary rhinocheilognathoplasty of unilateral congenital clefts of the upper lip and alveolar process] Novoselov RD, et al. Stomatologiia (Mosk) 1984 May-Jun;63(3):72–5 (Eng. Abstr.) (Rus)

ALZHEIMER'S DISEASE

Diagnosis and treatment of Alzheimer's disease. Kerzner LJ. Adv Intern Med 1984;29:447–70 (97 ref.)

Alzheimer's disease: the human response. Adams MO. Conn Med 1984 Jul;48(7):437–9

An ethical framework for terminal care decisions: a new classification of patients. Veatch RM. J Am Geriatr Soc 1984 Sep;32(9):665–9

BLOOD

Low serum vitamin B12 in Alzheimer-type dementia. Cole MG, et al. Age Ageing 1984 Mar;13(2):101–5

Lithium-induced increases in red blood cell choline and memory performance in Alzheimer-type dementia. Brinkman SD, et al. Biol Psychiatry 1984 Feb;19(2):157–64

Cell membrane abnormality in Alzheimer's disease [letter] Zubenko GS, et al. Lancet 1984 Jul 28;2(8396):235

Elevation of erythrocyte countertransport rates in Alzheimer's dementia [letter] Diamond JM, et al. N Engl J Med 1983 Oct 27;309(17):1061–2

CEREBROSPINAL FLUID

Dopamine-beta-hydroxylase and acetylcholinesterase activities of cerebrospinal fluid in Alzheimer's disease. Soininen H, et al. Acta Neurol Scand 1984 Jul;70(1):29–34

Gamma-aminobutyric acid and homovanillic acid concentration in the CSF of patients with senile dementia of Alzheimer's type. Zimmer R, et al. Arch Neurol 1984 Jun;41(6):602–4

Immunoglobulin and other proteins in the cerebrospinal fluid of patients with Alzheimer's disease. Chapel HM, et al. J Clin Pathol 1984 Jun;37(6):697–9

Monoamine metabolite concentrations in lumbar cerebrospinal fluid of patients with histologically verified Alzheimer's dementia. Palmer AM, et al. J Neurol Neurosurg Psychiatry 1984 May;47(5):481–4

Albumin and immunoglobulin in plasma and cerebrospinal fluid, and blood-cerebrospinal fluid barrier function in patients with dementia of Alzheimer type and multi-infarct dementia. Alafuzoff I, et al. J Neurol Sci 1983 Aug-Sep; 60(3):465–72

CSF silicon in dementia: a prospective study. Hershey LA, et al. Neurology (NY) 1984 Sep;34(9):1197–201

Seasonal variations of human lumbar CSF neurotransmitter metabolite concentrations. Losonczy MF, et al. Psychiatry Res 1984 May;12(1):79–87

COMPLICATIONS

The association of motor neuron disease and Alzheimer-type dementia. Drake ME Jr. Am J Med Sci 1984 May-Jun; 287(3):26–7

Down's syndrome and Alzheimer's disease [letter] Suchowersky O, et al. Ann Neurol 1984 Aug;16(2):263

Nominal dysphasia and the severity of senile dementia. Skelton-Robinson M, et al. Br J Psychiatry 1984 Aug; 145:168–71

Curious links reported between Down's and Alzheimer's disease [news] Goldsmith MF. JAMA 1984 Apr 13; 251(14):1806–7

Alzheimer's disease presenting as slowly progressive aphasia. Pogacar S, et al. RI Med J 1984 Apr;67(4):181–5

[Isolated case of juvenile Alzheimer's disease with recurrent myoclonus and the presence of amyloid plaques and grumose alteration in the cerebellum] Ishino H, et al. Rinsho Shinkeigaku 1983 Jul;23(7):577–84 (Eng. Abstr.) (Jpn)

DIAGNOSIS

Alzheimer's disease: clinical course and cognitive disturbances. McLachlan DR, et al. Acta Neurol Scand [Suppl] 1984;99:83–9

Senile dementia of the Alzheimer type. Terry RD, et al. Ann Neurol 1983 Nov;14(5):497–506

Rapid eye movement sleep measures of Alzheimer's-type dementia patients and optimally healthy aged individuals. Vitiello MV, et al. Biol Psychiatry 1984 May;19(5):721–34

Dexamethasone suppression test and serum prolactin in dementia disorders. Balldin J, et al. Br J Psychiatry 1983 Sep;143:277–81

Hypertension, multi-infarct dementia and Alzheimer's disease. St. Clair D, et al. Br J Psychiatry 1983 Sep; 143:274–6

Early and late onset types of Alzheimer's disease [letter] Br Med J [Clin Res] 1984 May 26;288(6430):1612

Dementia of the Alzheimer type and multi-infarct dementia: a clinical description and diagnostic problems. Bucht G, et al. J Am Geriatr Soc 1984 Jul;32(7):491–8

Atypical presentations of dementia of the Alzheimer type. Shuttleworth EC. J Am Geriatr Soc 1984 Jul;32(7):485–90

More on diagnosing Alzheimer's disease [letter] Shore D, et al. J Clin Psychiatry 1984 Jun;45(6):280

Memory, attention, and functional status in community-residing Alzheimer type dementia patients and optimally healthy aged individuals. Vitaliano PP, et al. J Gerontol 1984 Jan;39(1):58–64

Comments on Alzheimer's disease and aging [letter] Neumann MA, et al. J Neuropathol Exp Neurol 1984 Mar; 43(2):215–7

Differentiating senile dementia of Alzheimer type and multi-infarct dementia by proton NMR imaging [letter] Besson JA, et al. Lancet 1983 Oct 1;2(8353):789

Dementia—Alzheimer type. Kokmen E. Mayo Clin Proc 1984 Jan;59(1):35–42

Predictive features in mild senile dementia of the Alzheimer type. Berg L, et al. Neurology (NY) 1984 May;34(5):563–9

Clinical diagnosis of Alzheimer's disease: report of the NINCDS-ADRDA Work Group under the auspices of Department of Health and Human Services Task Force on Alzheimer's Disease. McKhann G, et al. Neurology (NY) 1984 Jul;34(7):939–44

[NMR imaging in dementia states. A diagnostic and quantitative study] Besson JA, et al. Z Gerontol 1984 May-Jun;17(3):136–40 (Eng. Abstr.) (Ger)

[CT study in dementia—today and in the future] Jacoby RJ. Z Gerontol 1984 May-Jun;17(3):132–5 (Eng. Abstr.) (Ger)

[Periventricular lucency and electroencephalogram in aged patients with dementia] Kaneko T. Rinsho Shinkeigaku 1983 Oct;23(10):874–80 (Eng. Abstr.) (Jpn)

DIET THERAPY

Plasma choline responses to lecithin-enriched soup. Growdon JH, et al. Psychopharmacol Bull 1984 Summer; 20(3):603–6

DRUG THERAPY

Ergoloid mesylates for senile dementias: unanswered questions. Hollister LE, et al. Ann Intern Med 1984 Jun; 100(6):894–8 (48 ref.)

Lack of clinical efficacy of chronic oral physostigmine in Alzheimer's disease. Jotkowitz S. Ann Neurol 1983 Dec; 14(6):690–1

Long-term administration of oral physostigmine and lecithin improve memory in Alzheimer's disease [letter] Levin HS, et al. Ann Neurol 1984 Feb;15(2):210

Lack of clinical benefit from naloxone in a dementia day hospital [letter] Panella JJ Jr, et al. Ann Neurol 1984 Mar; 15(3):308

Decay in plasma lithium and normalization in red blood cell choline following cessation of lithium treatment in two elderly individuals with Alzheimer-type dementia. Pomara N, et al. Biol Psychiatry 1984 Jun;19(6):919–22

Effect of cholinergic and anticholinergic drugs on short-term memory in Alzheimer's dementia: a neuropsychological and computerized electroencephalographic study. Agnoli A, et al. Clin Neuropharmacol 1983;6(4):311–23

Chemotherapy of cognitive disorders in geriatric subjects. Goodnick P, et al. J Clin Psychiatry 1984 May; 45(5):196–209 (140 ref.)

Lithium-induced accentuation of extrapyramidal symptoms in individuals with Alzheimer's disease. Kelwala S, et al. J Clin Psychiatry 1984 Aug;45(8):342–4

Cholinergic system and constructional praxis: a further study of physostigmine in Alzheimer's disease. Muramoto O, et al. J Neurol Neurosurg Psychiatry 1984 May;47(5):485–91

Steps toward staging, therapy of dementia [news] Goldsmith MF. JAMA 1984 Apr 13;251(14):1812–3, 1840

Effects of 4-aminopyridine in elderly patients with Alzheimer's disease [letter] Wesseling H, et al. N Engl J Med 1984 Apr 12;310(15):958–9

Measurement of cholinergic drug effects on memory in Alzheimer's disease. Brinkman SD, et al. Neurobiol Aging 1983 Summer;4(2):139–45 (53 ref.)

Vasopressin in Alzheimer's disease [letter] Reding MJ, et al. Neurology (NY) 1983 Dec;33(12):1634–5

Oral physostigmine in Alzheimer's disease. Davis KL, et al. Psychopharmacol Bull 1983;19(3):451–3

Comparison of therapeutic response to long-term treatment with lecithin versus piracetam plus lecithin in patients with Alzheimer's disease. Smith RC, et al. Psychopharmacol Bull 1984 Summer;20(3):542–5

Oral physostigmine and lecithin improve memory in Alzheimer's disease. Thal LJ, et al. Psychopharmacol Bull 1983;19(3):454–6

ENZYMOLOGY

Alzheimer's disease: choline acetyltransferase activity in brain tissue from clinical and pathological subgroups. Bird TD, et al. Ann Neurol 1983 Sep;14(3):284–93

Neurochemical enzyme changes in Alzheimer's and Pick's disease. Meier-Ruge W, et al. Arch Gerontol Geriatr 1984 Jul;3(2):161–5

Acetylcholinesterase activity in CSF in schizophrenia, depression, Alzheimer's disease and normals. Deutsch SI, et al. Biol Psychiatry 1983 Dec;18(12):1363–73

Alzheimer's disease and the new neuroscience. Wortis J. Biol Psychiatry 1983 Aug;18(8):847–8

The occurrence of large acetylcholinesterase-containing neurons in human neostriatum as disclosed in normal and Alzheimer-diseased brains. Parent A, et al. Brain Res 1984 Jan 16;291(1):154–8

Intralaminar neurochemical distributions in human midtemporal cortex: comparison between Alzheimer's disease and the normal. Perry EK, et al. J Neurochem 1984 May;42(5):1402–10

Tetrahydrobiopterin metabolism in the temporal lobe of patients dying with senile dementia of Alzheimer type. Barford PA, et al. J Neurol Neurosurg Psychiatry 1984 Jul;47(7):736–8

Elevation of neuropeptide Y (NPY) in substantia innominata in Alzheimer's type dementia. Allen JM, et al. J Neurol Sci 1984 Jun;64(3):325–31

Dopamine-beta-hydroxylase activities in serum and cerebrospinal fluid of aged and demented patients. Miyata S, et al. J Neurol Sci 1984 Mar;63(3):403–9

Reduced cholinesterase activity and somatostatin-like immunoreactivity in the cerebrospinal fluid of patients with dementia of the Alzheimer type. Soininen HS, et al. J Neurol Sci 1984 Feb;63(2):167–72

Decreased ratio of CSF acetylcholinesterase to butyrylcholinesterase activity in Alzheimer's disease [letter] Arendt T, et al. Lancet 1984 Jan 21;1(8369):173

Alzheimer's disease and acetylcholinesterase-containing neurons [letter] Smith AD, et al. Lancet 1984 Mar 3; 1(8375):513

Biochemical changes in dementia disorders of Alzheimer type (AD/SDAT). Gottfries CG, et al. Neurobiol Aging 1983 Winter;4(4):261–71

Molecular forms of acetylcholinesterase in senile dementia of Alzheimer type: selective loss of the intermediate (10S) form. Atack JR, et al. Neurosci Lett 1983 Sep 30; 40(2):199–204

ETIOLOGY

Alzheimer's disease: a study of epidemiological aspects. Heyman A, et al. Ann Neurol 1984 Apr;15(4):335–41

Age-related neuropsychological deficits in Down's syndrome. Thase ME, et al. Biol Psychiatry 1984 Apr; 19(4):571–85

Attempts to vanquish Alzheimer's disease intensify, take new paths [news] Goldsmith MF. JAMA 1984 Apr 13; 251(14):1805–7, 1811–2

FAMILIAL & GENETIC

C3 and haptoglobin polymorphism in dementia of the Alzheimer type. Eikelenboom P, et al.

Acta Psychiatr Scand 1984 Feb;69(2):140–2
Aphasia/apraxia and familial aggregation in Alzheimer's disease [letter] Breitner JC. **Ann Neurol** 1984 Jun; 15(6):614–5
Alzheimer's disease: genetic aspects and associated clinical disorders. Heyman A, et al. **Ann Neurol** 1983 Nov; 14(5):507–15
Non-relationship between the HLA system and the senile form of Alzheimer's disease. Májský A, et al. **Arch Psychiatr Nervenkr** 1983;233(5):381–3
Sister chromatid exchanges and cell cycle kinetics in Alzheimer's disease. Fischman HK, et al. **Biol Psychiatry** 1984 Mar;19(3):319–27
Chromosome fragility in Alzheimer's disease. Smith A, et al. **Clin Genet** 1984 May;25(5):416–21
Chromosome aneuploidy in Alzheimer's disease. Smith A, et al. **Clin Genet** 1983 Jul;24(1):54–7
Helping families cope with Alzheimer's disease. Teusink JP, et al. **Hosp Community Psychiatry** 1984 Feb;35(2):152–6
Familial nature of Alzheimer's disease [letter] Breitner JC, et al. **N Engl J Med** 1984 Jul 19;311(3):192
Familial Alzheimer Dementia: a prevalent disorder with specific clinical features. Breitner JC, et al. **Psychol Med** 1984 Feb;14(1):63–80
[Familial Alzheimer's disease: a study of HLA markers] Delasnerie-Lauprêtre N, et al. **Biomed Pharmacother** 1983; 37(4):186–8 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Alzheimer neurofibrillary tangles: monoclonal antibodies to inherent antigen(s). Wang GP, et al. **Acta Neuropathol (Berl)** 1984;62(4):268–75
Cytomegalovirus infection and Alzheimer's disease. Renvoize EB, et al. **Age Ageing** 1984 Jul;13(4):205–9
Neurofibrillary tangles in senile dementia of the Alzheimer type share an antigenic determinant with intermediate filaments of the vimentin class. Yen SH, et al. **Am J Pathol** 1983 Dec;113(3):373–81
Is Alzheimer's disease an immunological disorder? Observations and speculations. Fudenberg HH, et al. **Clin Immunol Immunopathol** 1984 Aug;32(2):127–31
Antibodies to neurofibrillary tangles of Alzheimer's disease raised from human and animal neurofilament fractions. Gambetti P, et al. **Lab Invest** 1983 Oct;49(4):430–5
HLA-linked complement markers in Alzheimer's and Parkinson's disease: C4 variant (C4B2) a possible marker for senile dementia of the Alzheimer type. Nerl C, et al. **Neurology (NY)** 1984 Mar;34(3):310–4
[Do immunological factors play a role in the pathogenesis of Alzheimer's disease?] Eikelenboom P, et al. **Tijdschr Gerontol Geriatr** 1983 Oct;14(5):181–5 (Eng. Abstr.) **(Dut)**

METABOLISM

Proteins in serum and cerebrospinal fluid in demented patients with Down's syndrome. Elovaara I. **Acta Neurol Scand** 1984 May;69(5):302–5
Relationship between pigment accumulation and age in Alzheimer's disease and Down syndrome. Mann DM, et al. **Acta Neuropathol (Berl)** 1984;63(1):72–7
Norepinephrine and MHPG levels in CSF and plasma in Alzheimer's disease. Raskind MA, et al. **Arch Gen Psychiatry** 1984 Apr;41(4):343–6
Alzheimer's disease: initial report of the purification and characterization of a novel cerebrovascular amyloid protein. Glenner GG, et al. **Biochem Biophys Res Commun** 1984 May 16;120(3):885–90
Alzheimer's disease and Down's syndrome: sharing of a unique cerebrovascular amyloid fibril protein. Glenner GG, et al. **Biochem Biophys Res Commun** 1984 Aug 16; 122(3):1131–5
Alzheimer's disease: recent advances and future prospects [editorial] Deakin JF. **Br Med J [Clin Res]** 1983 Nov 5; 287(6402):1323–4
[3H]R05–4864 and [3H]flunitrazepam binding in kainate-lesioned rat striatum and in temporal cortex of brains from patients with senile dementia of the Alzheimer type. Owen F, et al. **Brain Res** 1983 Nov 14;278(1–2):373–5
Evidence for high affinity choline transport in synaptosomes prepared from hippocampus and neocortex of patients with Alzheimer's disease. Rylett RJ, et al. **Brain Res** 1983 Dec 19;289(1–2):169–75
Catecholamines and cholinergic enzymes in pre-senile and senile Alzheimer-type dementia and Down's syndrome. Yates CM, et al. **Brain Res** 1983 Nov 28;280(1):119–26
Changes of biogenic amines and their metabolites in postmortem brains from patients with Alzheimer-type dementia. Arai H, et al. **J Neurochem** 1984 Aug; 43(2):388–93
Metabolic processes in Alzheimer's disease: adenine nucleotide content and production of 14CO2 from [U-14C]glucose in vitro in human neocortex. Sims NR, et al. **J Neurochem** 1983 Nov;41(5):1329–34
Reduction in muscarinic receptor binding in limbic areas of Alzheimer brain [letter] Rinne JO, et al. **J Neurol Neurosurg Psychiatry** 1984 Jun;47(6):651–2
Studies on neurotransmitter receptor systems in neocortex and hippocampus in senile dementia of the Alzheimer-type. Cross AJ, et al. **J Neurol Sci** 1984 May;64(2):109–17
Monoamine metabolism in senile dementia of Alzheimer type. Cross AJ, et al. **J Neurol Sci** 1983 Aug–Sep;60(3):383–92
Neuropeptides in Alzheimer type dementia. Ferrier IN, et al. **J Neurol Sci** 1983 Dec;62(1–3):159–70
A post-mortem comparison of the cortical cholinergic system in Alzheimer's disease and Pick's disease. Wood PL, et al. **J Neurol Sci** 1983 Dec;62(1–3):211–7
Alzheimer's disease: isoproterenol and prostaglandin E1-stimulated cyclic AMP accumulation in lymphocytes. Ebstein RP, et al. **Life Sci** 1984 Jun 4;34(23):2239–43
Do raised brain aluminium levels in Alzheimer's dementia contribute to cholinergic neuronal deficits? King RG. **Med Hypotheses** 1984 Jul;14(3):301–6
Aluminium, choline transportation and Alzheimer's disease [letter] King RG, et al. **Med J Aust** 1983 Dec 10–24; 2(12):606–7
Cognitive and cerebral metabolic function in early and advanced Alzheimer's disease. Chase TN, et al. **Monogr Neural Sci** 1984;11:176–9
Cerebral metabolic changes induced by an unconventional agent: experimental model for some human degenerative diseases of the central nervous system. Grégoire N, et al. **Monogr Neural Sci** 1984;11:193–203
Some speculations about prions, amyloid, and Alzheimer's disease. Prusiner SB. **N Engl J Med** 1984 Mar 8; 310(10):661–3
Reduced binding of [3H]ketanserin to cortical 5-ht2 receptors in senile dementia of the Alzheimer type. Reynolds GP, et al. **Neurosci Lett** 1984 Jan 27;44(1):47–51
Brain manganese concentrations in human aging and Alzheimer's disease. Markesbery WR, et al. **Neurotoxicology (Park Forest II)** 1984 Spring;5(1):49–57
Synaptic neurochemistry of the basal forebrain cholinergic projection. Coyle JT, et al. **Psychopharmacol Bull** 1983; 19(3):441–7
Alzheimer's disease brain: alterations in RNA levels and in a ribonuclease-inhibitor complex. Sajdel-Sulkowska EM, et al. **Science** 1984 Aug 31;225(4665):947–9

MICROBIOLOGY

Antiviral response of fibroblasts from familial Alzheimer's disease and Down's syndrome to human interferon-alpha. Mowshowitz SL, et al. **J Neural Transm** 1983;57(1–2):121–6

NURSING

Alzheimer's disease. Inpatient care. Pajk M. **Am J Nurs** 1984 Feb;84(2):216–24
Caretakers' views on responsibilities for the care of the demented elderly. Howell M. **J Am Geriatr Soc** 1984 Sep; 32(9):657–60

OCCURRENCE

Alzheimer's disease in elderly patients who die in hospital other than in neurological and psychiatric departments [letter] Koukolík F. **Lancet** 1984 Jul 7;2(8393):43
The specter of Alzheimer's disease [editorial] Aronson SM. **RI Med J** 1983 Sep;66(9):351

PATHOLOGY

Loss of neurons in the nucleus basalis of Meynert in Alzheimer's disease, paralysis agitans and Korsakoff's Disease. Arendt T, et al. **Acta Neuropathol (Berl)** 1983; 61(2):101–8
EM study of the numbers of cortical synapses in the brains of ageing people and people with Alzheimer-type dementia. Gibson PH. **Acta Neuropathol (Berl)** 1983; 62(1–2):127–33
Alzheimer paired helical filaments: immunochemical identification of polypeptides. Grundke-Iqbal I, et al. **Acta Neuropathol (Berl)** 1984;62(4):259–67
Alzheimer paired helical filaments: bulk isolation, solubility, and protein composition. Iqbal K, et al. **Acta Neuropathol (Berl)** 1984;62(3):167–77
Immuno-electron-microscopic localization of complements in amyloid fibrils of senile plaques. Ishii T, et al. **Acta Neuropathol (Berl)** 1984;63(4):296–300
Fibrous astrocytes in Alzheimer's disease and senile dementia of Alzheimer's type. Mancardi GL, et al. **Acta Neuropathol (Berl)** 1983;61(1):76–80
Dementia in Parkinson's disease and (pre) senile dementia of Alzheimer type: morphological aspects and changes in the intracerebral MAO activity. Jellinger K, et al. **Adv Neurol** 1984;40:199–210
Neuropathologic data in Alzheimer's disease [letter] Neumann MA, et al. **Arch Neurol** 1983 Dec;40(13):830–1
Neurochemical characteristics of early and late onset types of Alzheimer's disease. Rossor MN, et al. **Br Med J [Clin Res]** 1984 Mar 31;288(6422):961–4
Correlation of cortical cholinergic and GABA deficits with quantitative neuropathological findings in senile dementia. Mountjoy CQ, et al. **Brain** 1984 Jun;107 (Pt 2):507–18
Persistence of cholinergic neurons in the basal nucleus in a brain with senile dementia of the Alzheimer's type demonstrated by immunohistochemical staining for choline acetyltransferase. Pearson RC, et al. **Brain Res** 1983 Dec 19;289(1–2):375–9
Evidence that paired helical filaments originate from neurofilaments—electron microscope observations of neurites in senile plaques in the brain in Alzheimer's disease. Yoshimura N. **Clin Neuropathol** 1984 Jan–Feb;3(1):22–7
Transplantation of human cortex with Alzheimer's disease into rat occipital cortex; a model for the study of Alzheimer disease. van den Bosch de Aguilar P, et al. **Experientia** 1984 Apr 15;40(4):402–3
The temporal lobe in dementia of Alzheimer's type. Wilcock GK. **Gerontology** 1983;29(5):320–4
The olfactory bulbs in Alzheimer's disease. Esiri MM, et al. **J Neurol Neurosurg Psychiatry** 1984 Jan;47(1):56–60
A comparison of changes in the nucleus basalis and locus caeruleus in Alzheimer's disease. Mann DM, et al. **J Neurol Neurosurg Psychiatry** 1984 Feb;47(2):201–3
Immunocytochemical studies of Alzheimer neuronal perikarya with intermediate filament antisera. Elovaara I, et al. **J Neurol Sci** 1983 Dec;62(1–3):315–26
Basal nucleus of Meynert. A neuropathological study in Alzheimer's disease, simple senile dementia, Pick's disease and Huntington's chorea. Tagliavini F, et al. **J Neurol Sci** 1983 Dec;62(1–3):243–60
Nucleus raphe dorsalis in dementia of the Alzheimer type: neurofibrillary changes and neuronal packing density. Curcio CA, et al. **J Neuropathol Exp Neurol** 1984 Jul; 43(4):359–68
Two new lesions in Alzheimer's disease [letter] Averback P. **Lancet** 1983 Nov 19;2(8360):1203
Age and Alzheimer's disease [letter] Mann DM, et al. **Lancet** 1984 Feb 4;1(8371):281–2
Changes in nerve cells of the nucleus basalis of Meynert in Alzheimer's disease and their relationship to ageing and to the accumulation of lipofuscin pigment. Mann DM, et al. **Mech Ageing Dev** 1984 Apr–May;25(1–2):189–204
Paucity of morphological changes in the brains of ageing beagle dogs: further evidence that Alzheimer lesions are unique for primate central nervous system. Ball MJ, et al. **Neurobiol Aging** 1983 Summer;4(2):127–31
Aging, Alzheimer's disease, and the cholinergic system of the basal forebrain. McGeer PL, et al. **Neurology (NY)** 1984 Jun;34(6):741–5
Form and distribution of senile plaques seen in silver impregnated sections in the brains of intellectually normal elderly people and people with Alzheimer-type dementia. Gibson PH. **Neuropathol Appl Neurobiol** 1983 Sep–Oct; 9(5):379–89
Alzheimer's presenile dementia, senile dementia of Alzheimer type and Down's syndrome in middle age form an age related continuum of pathological changes. Mann DM, et al. **Neuropathol Appl Neurobiol** 1984 May–Jun; 10(3):185–207
Correlation between cortical plaque count and neuronal loss in the nucleus basalis in Alzheimer's disease. Arendt T, et al. **Neurosci Lett** 1984 Jul 13;48(1):81–5
Neuropeptides in aging and dementia. Joynt RJ, et al. **Peptides (Fayetteville)** 1984;5 Suppl 1:269–74
Neuroanatomical evidence for a cholinergic deficit in Alzheimer's disease. Whitehouse PJ, et al. **Psychopharmacol Bull** 1983;19(3):437–40
Alzheimer's disease: cell-specific pathology isolates the hippocampal formation. Hyman BT, et al. **Science** 1984 Sep 14;225(4667):1168–70
[Pathology of catecholaminergic innervation of the cerebral cortex in Alzheimer's dementia] Berger B, et al. **Presse Med** 1983 Dec 29;12(48):3109–14 (Eng. Abstr.) **(Fre)**
[Stereomorphometric studies of capillaries and nerve cells in the normal brain of the aged subject and in Alzheimer's disease] Meier-Ruge W, et al. **Presse Med** 1983 Dec 29; 12(48):3115–8 (Eng. Abstr.) **(Fre)**
[Immunohistochemical study of gliosis in the brain of aged and patients with dementia] Tobo M. **Fukuoka Igaku Zasshi** 1984 Feb;75(2):72–88 (Eng. Abstr.) **(Jpn)**
[Alzheimer's disease] Shinfuku N. **Nippon Rinsho** 1983 Oct; 41(10):2226–31 **(Jpn)**
[Scanning electron microscopical study of senile change in the brain] Murata A. **Seishin Shinkeigaku Zasshi** 1984; 86(1):1–22 (Eng. Abstr.) **(Jpn)**
[Case history of an extremely early form of Alzheimer's disease] Severnyĭ Levité OI, et al. **Zh Nevropatol Psikhiatr** 1984;84(7):1007–12 (Eng. Abstr.) **(Rus)**
[Relation between the degree of severity of the dementia and the extent of the manifestation of the pathomorphological changes in the cerebral cortex in senile dementia and Alzheimer's disease] Shefer VF. **Zh Nevropatol Psikhiatr** 1984;84(7):1004–6 (Eng. Abstr.) **(Rus)**
[A Copernican revolution in neuropathology. Implications of the discovery of lesions in the nucleus basalis in Alzheimer's disease (editorial)] Muñoz García D. **Arch Neurobiol (Madr)** 1983 May–Jun;46(3):159–60 **(Spa)**

PHYSIOPATHOLOGY

Gait and balance in senile dementia of Alzheimer's type. Visser H. **Age Ageing** 1983 Nov;12(4):296–301
NIH Conference. Brain imaging: aging and dementia. Cutler NR, et al. **Ann Intern Med** 1984 Sep;101(3):355–69
Regional cortical dysfunction in Alzheimer's disease as determined by positron emission tomography. Chase TN, et al. **Ann Neurol** 1984;15 Suppl:S170–4
The importance of encoding instructions and retrieval cues in the assessment of memory in senile dementia. Diesfeldt HF. **Arch Gerontol Geriatr** 1984 May;3(1):51–7
Alzheimer's disease: a single entity? [letter] Segarra JM. **Arch Neurol** 1984 Apr;41(4):362–3
X-ray diffraction evidence for myelin disorder in brain from

humans with Alzheimer's disease. Chia LS, et al. **Biochim Biophys Acta** 1984 Sep 5;775(3):308–12

Visual processing deficits as assessed by spatial frequency contrast sensitivity and backward masking in normal ageing and Alzheimer's disease. Schlotterer G, et al. **Brain** 1984 Mar;107 (Pt 1):309–25

Alzheimer's disease and its effect on handwriting. Behrendt JE. **J Forensic Sci** 1984 Jan;29(1):87–91

Circadian temperature variation in healthy aged and in Alzheimer's disease. Prinz PN, et al. **J Gerontol** 1984 Jan; 39(1):30–5

Dementia in the elderly: biochemical aspects. Bowen DM, et al. **J R Coll Physicians Lond** 1984 Jan;18(1):25–7 (42 ref.)

Eye tracking dysfunction in Alzheimer-type dementia. Hutton JT, et al. **Neurology (NY)** 1984 Jan;34(1):99–102

Extrapyramidal signs in Alzheimer's disease. Mölsä PK, et al. **Neurology (NY)** 1984 Aug;34(8):1114–6

Left-handedness in early and late onset dementia. Seltzer B, et al. **Neurology (NY)** 1984 Mar;34(3):367–9

Physiologic analysis of the myoclonus of Alzheimer's disease. Wilkins DE, et al. **Neurology (NY)** 1984 Jul;34(7):898–903

Wandering and parietal signs in senile dementia of Alzheimer's type. de Leon MJ, et al. **Neuropsychobiology** 1984;11(3):155–7

Positron emission tomography in normal aging and Alzheimer's disease. Rapoport SI, et al. **Psychopharmacol Bull** 1984 Summer;20(3):466–71

[Frontal lobe syndromes in (pre-)senile dementias of the Alzheimer type: a correlative statistical study] Gutzmann H. **Z Gerontol** 1984 May–Jun;17(3):128–31 (Eng. Abstr.) **(Ger)**

PSYCHOLOGY

The Comprehensive Psychopathological Rating Scale in patients with dementia of Alzheimer type and multiinfarct dementia. Bucht G, et al. **Acta Psychiatr Scand** 1983 Oct; 68(4):263–70

Family therapy and the dementia patient. Gwyther LP, et al. **Am Fam Physician** 1984 May;29(5):149–56

Helping families survive. Beam IM. **Am J Nurs** 1984 Feb; 84(2):228–32

Alzheimer's disease. Stages of cognitive decline. Reisberg B. **Am J Nurs** 1984 Feb;84(2):225–8

The dexamethasone suppression test and dementia [letter] Moffatt J. **Am J Psychiatry** 1984 Aug;141(8):1019

Differential perceptual-spatial impairment in Huntington's and Alzheimer's dementias. Brouwers P, et al. **Arch Neurol** 1984 Oct;41(10):1073–6

Parkinson's disease. The possible relationship of laterality to dementia and neurochemical findings. Direnfeld LK, et al. **Arch Neurol** 1984 Sep;41(9):935–41

Psychometric differentiation of mild senile dementia of the Alzheimer type. Storandt M, et al. **Arch Neurol** 1984 May; 41(5):497–9

Cued recall and the nature of the memory disorder in dementia. Davis PE, et al. **Br J Psychiatry** 1984 Apr; 144:383–6

Communicating with the confused elderly patient. Feil N. **Geriatrics** 1984 Mar;39(3):131–2

Sparing of semantic memory in Alzheimer's disease. Nebes RD, et al. **J Abnorm Psychol** 1984 Aug;93(3):321–30

Stages of Alzheimer's disease. Blass JP. **J Am Geriatr Soc** 1984 Jan;32(1):4

Phases of change in the patient with Alzheimer's dementia: a conceptual dimension for defining health care management. Cohen D, et al. **J Am Geriatr Soc** 1984 Jan; 32(1):11–5

Alzheimer's disease: assessment of functional status. Winogrond IR, et al. **J Am Geriatr Soc** 1983 Dec; 31(12):780–5

Primary memory and secondary memory in dementia of the Alzheimer type. Wilson RS, et al. **J Clin Neuropsychol** 1983 Dec;5(4):337–44

Cognitive impairment of Alzheimer disease. Folstein MF, et al. **Neurobehav Toxicol Teratol** 1983 Nov–Dec;5(6):631–4 (44 ref.)

Language in senile dementia of the Alzheimer type. Emery OB, et al. **Psychiatr J Univ Ottawa** 1983 Dec;8(4):169–78

The Alzheimer's disease assessment scale: an instrument for assessing treatment efficacy. Mohs RC, et al. **Psychopharmacol Bull** 1983;19(3):448–50

Enhanced behavioral response to nicotine in an animal model of Alzheimer's disease. Ksir C, et al. **Psychopharmacology (Berlin)** 1983;81(3):272–3

Senile dementia: metaphor for our time. The effect of senile dementia on relationships with others echoes the sense of discontinuity in American society. Barlow AR. **RI Med J** 1983 Sep;66(9):359–60

A strategy for those in the shadow of Alzheimer's disease. Government and the health professions must support efforts to solve the biological, social, and human problems. Dupree AH. **RI Med J** 1983 Sep;66(9):365–9

[Neuropsychological analysis of Alzheimer's disease] Signoret JL. **Presse Med** 1983 Dec 29;12(48):3129–31 (Eng. Abstr.) **(Fre)**

[Neuropsychological study of decline of attention and drug therapy of patients with Alzheimer's disease] Tecce JJ, et al. **Presse Med** 1983 Dec 29;12(48):3155–62 (Eng. Abstr.) **(Fre)**

[Experiences of voluntary visitors with nonverbal communication in interaction with confused elderly patients in nursing homes] Grond E. **Z Gerontol** 1984 Mar–Apr;17(2):93–7 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Changes in brain ventricular size with repeated CAT scans in suspected Alzheimer's disease. Brinkman SD, et al. **Am J Psychiatry** 1984 Jan;141(1):81–3

The fluorodeoxyglucose 18F scan in Alzheimer's disease and multi-infarct dementia. Benson DF, et al. **Arch Neurol** 1983 Nov;40(12):711–4

Xenon contrast CT-CBF scanning of the brain differentiates normal age-related changes from multi-infarct dementia and senile dementia of Alzheimer type. Tachibana H, et al. **J Gerontol** 1984 Jul;39(4):415–23

Ventricular volume and cognitive deficit: a computed tomographic study. George AE, et al. **Radiology** 1983 Nov; 149(2):493–8

[CT diagnosis of Alzheimer's disease] Imai Y. **Nippon Ronen Igakkai Zasshi** 1983 Sep;20(5):410–9 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

Rapid rate of decline in cerebral blood flow in progressive dementias. Barclay L, et al. **Monogr Neural Sci** 1984; 11:107–10

Evaluation of organic dementia by regional cerebral blood flow measurements and clinical and psychometric methods. Gustafson L, et al. **Monogr Neural Sci** 1984;11:111–7

Diagnosis of Alzheimer's disease and multi-infarct dementia by rCBF compared to clinical classification. Zemcov A, et al. **Monogr Neural Sci** 1984;11:104–6

THERAPY

The mental health professional and Alzheimer patient. Cohen GD. **Hosp Community Psychiatry** 1984 Feb;35(2):115–6, 122

Alzheimer's disease: challenge to psychiatry. Folstein M. **Hosp Community Psychiatry** 1984 Feb;35(2):111

Ethical aspects of care for the dying incompetent. Dyck AJ. **J Am Geriatr Soc** 1984 Sep;32(9):661–4

Ethical dilemmas intrinsic to the care of the elderly demented patient. Hermann HT. **J Am Geriatr Soc** 1984 Sep; 32(9):655–6

[Therapy of senile dementia of the Alzheimer type and multi-infarct dementia] Gertz HJ, et al. **Nervenarzt** 1983 Sep;54(9):444–54 **(Ger)**

AMANITA see under **AGARICACEAE**

AMANITINS

Affinity isolation of RNA polymerase II on amanitin–Sepharose. Lutter LC, et al. **Biochem Biophys Res Commun** 1984 Feb 29;119(1):42–8

Preservation and phallotoxin-staining of the microfilament system in Amoeba proteus. Stockem W, et al. **Cell Biol Int Rep** 1984 Mar;8(3):207–13

CHEMICAL SYNTHESIS

Analogs of viroidin. Synthesis of four virotoxin-like F-actin binding heptapeptides with one less hydroxyl group in the dihydroxy-proline ring. Kahl JU, et al. **Int J Pept Protein Res** 1984 May;23(5):543–50

2,4-Dinitrophenylhydrazone formation at the aldehyde derived by periodate cleavage of alpha-amanitin. Morris PW, et al. **Int J Pept Protein Res** 1983 Nov;22(5):597–602

ISOLATION & PURIFICATION

Physical properties and function of phallolysin. Faulstich H, et al. **Biochemistry** 1983 Sep 13;22(19):4574–80

The toxic peptides from Amanita mushrooms. Wieland T. **Int J Pept Protein Res** 1983 Sep;22(3):257–76 (116 ref.)

PHARMACODYNAMICS

Concentration of particular high molecular mass phosphoproteins in rat liver nuclei and nuclear matrix decreases following inhibition of RNA synthesis by alpha-amanitin. Schweiger A, et al. **Biochim Biophys Acta** 1984 Jul 18;782(3):262–8

Amanitin-resistant RNA polymerase II mutations are in the enzyme's largest subunit. Greenleaf AL. **J Biol Chem** 1983 Nov 25;258(22):13403–6

RNA polymerase II from wild type and alpha-amanitin-resistant strains of Caenorhabditis elegans. Sanford T, et al. **J Biol Chem** 1983 Nov 10;258(21):12804–9

alpha-Amanitin prevents the positive inotropic effect of cardiac glycosides in-vitro. Bazzani C, et al. **J Pharm Pharmacol** 1983 Aug;35(8):541–2

TOXICITY

The effect of transcriptional inhibitors on the bone gamma-carboxyglutamic acid protein response to 1,25-dihydroxyvitamin D3 in osteosarcoma cells. Pan LC, et al. **J Biol Chem** 1984 May 10;259(9):5844–7

Selection for resistance to phallolysin, a cytolytic toxin from the death-cap mushroom (Amanita phalloides). Shier WT, et al. **Toxicon** 1983;21(3):445–8

AMANTADINE

ADMINISTRATION & DOSAGE

Prevention and drug treatment of influenza. Monto AS. **Am Fam Physician** 1983 Dec;28(6):165–9

ADVERSE EFFECTS

Case report of neuroleptic malignant syndrome associated with withdrawal from amantadine. Simpson DM, et al. **Am J Psychiatry** 1984 Jun;141(6):796–7

Possible interaction between pheneizine and amantadine [letter] Jack RA, et al. **Arch Gen Psychiatry** 1984 Jul; 41(7):726

Amantadine-dyazide interaction. Wilson TW, et al. **Can Med Assoc J** 1983 Nov 1;129(9):974–5

ANALOGS & DERIVATIVES

Ventricular automaticity induced by bromobenzoyl-methyladamantylamine (BMA) in different membrane potential ranges in guinea pig heart. Mészáros J, et al. **Acta Physiol Hung** 1984;63(2):167–74

Allergic dermatitis from Viruserol ointment probably due to tromantadine hydrochloride. Lembo G, et al. **Contact Dermatitis** 1984 May;10(5):317

Contact dermatitis to tromantadine. Santucci B, et al. **Contact Dermatitis** 1984 May;10(5):317–8

Tromantadine hydrochloride in the treatment of herpes simplex. Results of a double-blind therapeutic trial and an open prophylactic investigation. Hellgren L, et al. **Dermatologica** 1983;167(5):267–72

Antagonism between adenosine and bromobenzoyl-methyladamantylamine, a K+-channel blocker, in atrial myocardium of guinea pig. Mészáros J, et al. **Eur J Pharmacol** 1984 Feb 17;98(2):265–8

Interaction of bicyclo-octane analogs of amantadine with ionic channels of the nicotinic acetylcholine receptor and electrically excitable membrane. Warnick JE, et al. **J Pharmacol Exp Ther** 1984 Jan;228(1):73–9

The influence of memantine on the anticonvulsant effects of the antiepileptic drugs. Chojnacka-Wójcik E, et al. **Pol J Pharmacol Pharm** 1983 Nov–Dec;35(6):511–5

[Pharmacodynamics and pharmacokinetics of memantine] Wesemann W, et al. **Arzneimittelforsch** 1983;33(8):1122–34 (106 ref.) (Eng. Abstr.) **(Ger)**

[Cross reactions to amantadine preparations in patients with tromantadine contact allergy (letter)] Klaschka F. **Dtsch Med Wochenschr** 1983 Nov 11;108(45):1735–6 **(Ger)**

[Effects of oral memantine administration on Parkinson symptoms. Results of a placebo-controlled multicenter study] Schneider E, et al. **Dtsch Med Wochenschr** 1984 Jun 22;109(25):987–90 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

[Cross reactions to amantadine preparations in patients with tromantadine contact allergy (letter)] Klaschka F. **Dtsch Med Wochenschr** 1983 Nov 11;108(45):1735–6 **(Ger)**

METABOLISM

In vitro binding of amantadine to plasma proteins. Liu P, et al. **Clin Neuropharmacol** 1984;7(2):149–51

PHARMACODYNAMICS

'In vivo' variations in serum interferon levels produced by antiviral compounds. Minguez F, et al. **Chemotherapy** 1983; 29(5):362–7

The effects of amantadine, rimantadine and levodopa on the frequency of fibrillation potentials in denervated muscle. Yaar I. **Electroencephalogr Clin Neurophysiol** 1984 Feb; 57(2):174–7

Evidence for presynaptic antagonism by amantadine of indirectly acting central stimulants. Menon MK, et al. **Psychopharmacology (Berlin)** 1984;82(1–2):89–92

[Behavioral effects of amantadine on ambulatory activity and drinking in mice and on continuous and discrete avoidance responses in rats] Kuribara H, et al. **Nippon Yakurigaku Zasshi** 1984 Feb;83(2):147–58 (Eng. Abstr.) **(Jpn)**

POISONING

Torsade de Pointe. Malignant cardiac arrhythmia induced by amantadine poisoning. Sartori M, et al. **Am J Med** 1984 Aug;77(2):388–91

THERAPEUTIC USE

Treating neuroleptic malignant syndrome [letter] Lazarus A. **Am J Psychiatry** 1984 Aug;141(8):1014–5

Amantadine in the treatment of Creutzfeldt-Jakob disease [letter] Braham J. **Arch Neurol** 1984 Jun;41(6):585–6

Prevention of post-herpetic neuralgia by amantadine hydrochloride (Symmetrel). Galbraith AW. **Br J Clin Pract** 1983 Sep;37(9):304–6

Role of amantadine in the management of neuroleptic-induced extrapyramidal syndromes: overview and pharmacology. Allen RM. **Clin Neuropharmacol** 1983; 6 Suppl 1:S64–73 (52 ref.)

Amantadine in the management of extrapyramidal side

effects. Borison RL. **Clin Neuropharmacol** 1983;6 Suppl 1:S57–63

Amantadine in Tourette syndrome. Borison RL, et al. **Curr Psychiatr Ther** 1983;22:127–30

Preliminary report: amantadine hydrochloride in childhood enuresis. Ambrosini PJ, et al. **J Clin Psychopharmacol** 1984 Aug;4(4):223–5

Development of tolerance to the therapeutic effect of amantadine on akathisia. Zubenko GS, et al. **J Clin Psychopharmacol** 1984 Aug;4(4):218–20

Use of amantadine in influenza: a second report. Rose HJ. **J R Coll Gen Pract** 1983 Oct;33(255):651–3

Renewed control efforts emphasize 'unrecognized' influenza threat [news] Check WA. **JAMA** 1984 May 25; 251(20):2629–31, 2635–7

Influenza A prophylaxis with amantadine in a boarding school. Payler DK, et al. **Lancet** 1984 Mar 3;1(8375):502–4

Ross River virus polyarthralgia [letter] Saltau A. **Med J Aust** 1983 Dec 10–24;2(12):603–4

[Evaluation of the effectiveness of amantadine in various respiratory infections based on the results of a serological study] Taros LIu, et al. **Tr Inst Pastera** 1982;58:81–3 **(Rus)**

AMARANTH see under **AZO COMPOUNDS**

AMAUROSIS see **BLINDNESS**

AMAUROTIC FAMILIAL IDIOCY

COMPLICATIONS

Hypertrophic cardiomyopathy in combination with juvenile amaurotic idiocy. Chance or fundamentally related findings? Baandrup U, et al. **Br Heart J** 1984 Jun; 51(6):674–5

AMBATHIZON see **THIACETAZONE**

AMBIDEXTERITY see under **LATERALITY**

AMBLYOPIA

BLOOD

Whole blood cyanide levels in patients with tobacco amblyopia. Jestico JV, et al. **J Neurol Neurosurg Psychiatry** 1984 Jun;47(6):573–8

CHEMICALLY INDUCED

[Visual evoked potentials in alcoholism. Studies on the problem of alcohol-toxic optic nerve diseases] Haan J, et al. **Nervenarzt** 1983 Sep;54(9):491–3 **(Ger)**

COMPLICATIONS

Asymmetry in retrolental fibroplasia. Pollard ZF. **Ann Ophthalmol** 1983 Aug;15(8):768–71

Normal stereo acuity despite anisometropic-amblyopia. Peli E. **J Am Optom Assoc** 1983 Oct;54(10):919–21

[Refractive errors, amblyopia and strabismus in congenital ptosis] Stärk N, et al. **Klin Monatsbl Augenheilkd** 1984 Jan; 184(1):37–9 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Depth of strabismic amblyopia determined with neutral density filters [letter] Nardi M. **Am J Ophthalmol** 1984 Mar; 97(3):400–1

Visual improvement in amblyopia after visual loss in the dominant eye. Rabin J. **Am J Optom Physiol Opt** 1984 May;61(5):334–7

Prognosis for vision in amblyopia after the loss of the good eye. Vereecken EP, et al. **Arch Ophthalmol** 1984 Feb; 102(2):220–4

Stereoacuity improvement in amblyopes after minimal occlusion treatment [letter] Simons K. **Invest Ophthalmol Vis Sci** 1984 May;25(5):621–3

Amblyopia and the pediatrician. Stager DR. **Pediatr Ann** 1983 Aug;12(8):574–6, 578–84

Diagnosis and management of strabismus and amblyopia. Nelson LB. **Pediatr Clin North Am** 1983 Dec;30(6):1003–14

[Visually evoked responses in children with amblyopia] Kuba M, et al. **Cesk Oftalmol** 1983 Sep;39(5):289–96 (Eng. Abstr.) **(Cze)**

[Strabismus and amblyopia. Value of their early detection] Goddé-Jolly D, et al. **Sem Hop Paris** 1983 Dec 29; 59(49):3446–52 (Eng. Abstr.) **(Fre)**

[Vernier acuity in amblyopia] Rentschler I, et al. **Fortschr Ophthalmol** 1983;80(5):395–7 (Eng. Abstr.) **(Ger)**

[Disorders of binocular vision and their treatment] von Noorden GK. **Fortschr Ophthalmol** 1983;80(5):387–91 (Eng. Abstr.) **(Ger)**

[Diagnostic value of quantitative photostress in amblyopia] Belousov VI. **Oftalmol Zh** 1984;(2):86–8 (Eng. Abstr.) **(Rus)**

[Method of testing and threshold of depth vision in preschool children with amblyopia and strabismus] Boichuk IM. **Oftalmol Zh** 1983;38(5):273–6 (Eng. Abstr.) **(Rus)**

[Evaluation of the severity of disbinocular amblyopia in children] Pospelov VI. **Oftalmol Zh** 1983;(8):480–4 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

[Oxygen supply and utilization in strabismic amblyopia] Reitz M, et al. **Fortschr Ophthalmol** 1983;80(4):291–3 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Stimulus deprivation amblyopia in children. Sensitivity, plasticity, and elasticity (SPE). Jastrzebski GB, et al. **Arch Ophthalmol** 1984 Jul;102(7):1030–4

Functional amblyopia associated with abnormalities of the optic nerve. Kushner BJ. **Arch Ophthalmol** 1984 May; 102(5):683–5

Nutritional disorders: ophthalmological aspects. Lessell S. **Bull Soc Belge Ophtalmol** 1983 Nov;208:469–72

Occlusion amblyopia secondary to a mixed capillary-cavernous hemangioma. Garcia RL, et al. **J Am Acad Dermatol** 1984 Feb;10(2 Pt 1):263–7

[Current concepts on tobacco amblyopia] Nesterov AP, et al. **Vestn Oftalmol** 1984 Jan–Feb;(1):48–50 (13 ref.) (Eng. Abstr.) **(Rus)**

OCCURRENCE

Amblyopia screening in kindergartens with tno stereotest. Mølgaard IL, et al. **Acta Ophthalmol (Copenh)** 1984 Feb; 62(1):156–62

Incidence of anisometropic amblyopia in Zambia. Kant M. **Med J Zambia** 1983 Jul;17(3):86–8

[Treatment and incidence of amblyopia in the pre-school population, Campinas, São Paulo, Brazil] Kara-José N, et al. **Bol Of Sanit Panam** 1984 Jan;96(1):31–7 (Eng. Abstr.) **(Por)**

PATHOLOGY

Experimental amblyopia in kitten–II. Histological and morphological changes in the lateral geniculate nucleus (L.G.N.) in experimentally induced strabismic amblyopia. Goel BS, et al. **Indian J Ophthalmol** 1983 May;31(3):301–6

PHYSIOPATHOLOGY

The visual-evoked potential in tobacco-alcohol and nutritional amblyopia [letter] Freeman AG. **Am J Ophthalmol** 1984 Jan;97(1):110–2

Pupillary defects in amblyopia. Portnoy JZ, et al. **Am J Ophthalmol** 1983 Nov;96(5):609–14

Temporal contrast sensitivity in optic neuritis and amblyopia. Kayazawa F, et al. **Ann Ophthalmol** 1983 Apr;15(4):331–4

Amblyopia and congenital esotropia. Visually evoked potential measurements. Hoyt CS, et al. **Arch Ophthalmol** 1984 Jan;102(1):58–61

Stimulus deprivation amblyopia. Simultaneous recording of local macular electroretinogram and visual evoked response. Miyake Y, et al. **Arch Ophthalmol** 1984 Jul; 102(7):998–1003

Two spatio-temporal filters in human vision. 2. Selective modification in amblyopia, albinism, and hemianopia. Grounds AR, et al. **Biol Cybern** 1983;47(3):191–201

Effect of viewing high luminance gratings on the amblyopic visual system. Srebro R. **Br J Ophthalmol** 1984 Jun; 68(6):443–6

Visually evoked potentials in eccentrically and centrally fixing amblyopes. Srebro R. **Br J Ophthalmol** 1984 Jul; 68(7):468–71

Accommodative stimulus/response function in human amblyopia. Ciuffreda KJ, et al. **Doc Ophthalmol** 1984 Feb 29;56(4):303–26

Non-fusable stimuli and the role of binocular inhibition in normal and pathologic vision, especially strabismus. Fahle M. **Doc Ophthalmol** 1983 Sep 30;55(4):323–40

The evolution of refraction in the fixing and the amblyopic eye. Nastri G, et al. **Doc Ophthalmol** 1984 Jan 30; 56(3):265–74

Oblique effects, vertical effects and meridional amblyopia in monkeys. Harwerth RS, et al. **Exp Brain Res** 1983; 53(1):142–50

Visual plasticity as revealed in the two-dimensional modulation transfer function of a meridional amblyope. Daugman JG. **Hum Neurobiol** 1983;2(2):71–6

Model of static accommodative behavior in human amblyopia. Hung GK, et al. **IEEE Trans Biomed Eng** 1983 Oct;30(10):665–72

Retinal sensitivity in amblyopia. Goel BS, et al. **Indian J Ophthalmol** 1983 Mar;31(2):49–53

Effects of enucleation of the nondeprived eye on stimulus deprivation amblyopia in monkeys. Harwerth RS, et al. **Invest Ophthalmol Vis Sci** 1984 Jan;25(1):10–8

Pupillary light reflex in amblyopia. Kase M, et al. **Invest Ophthalmol Vis Sci** 1984 Apr;25(4):467–71

Visual and vestibular sources of fixation instability in amblyopia. Schor CM, et al. **Invest Ophthalmol Vis Sci** 1984 Jun;25(6):729–38

Effects on stereopsis of monocular versus binocular degradation of image contrast. Simons K. **Invest Ophthalmol Vis Sci** 1984 Aug;25(8):987–9

Meridional variations in orientation discrimination in normal and amblyopic vision. Vogels R, et al. **Invest Ophthalmol Vis Sci** 1984 Jun;25(6):720–8

A comparison of the Snellen chart and the S-chart for visual acuity assessment in amblyopia. Wick B, et al. **J Am Optom Assoc** 1984 May;55(5):359–61

Monocular vertical oscillations of amblyopia. The Heimann-Bielschowsky phenomenon. Smith JL, et al. **J Clin Neuro Ophthalmol** 1982 Jun;2(2):85–91

Sequelae of capillary hemangiomas of the eyelids and orbita. Plesner-Rasmussen HJ, et al. **Scand J Plast Reconstr Surg** 1983;17(3):241–5

Spatial frequency dependence of accommodative responses in amblyopic eyes. Ciuffreda KJ, et al. **Vision Res** 1983; 23(12):1585–94

Detection and discrimination of the direction of motion in central and peripheral vision of normal and amblyopic observers. Levi DM, et al. **Vision Res** 1984;24(8):789–800

Spatial localization in normal and amblyopic vision. Levi DM, et al. **Vision Res** 1983;23(10):1005–17

Measurements of eccentricity of fixation in normals and in amblyopes by evoked potentials. Srebro R. **Vision Res** 1983; 23(12):1527–32

[The function of contrast sensitivity in deprivation amblyopia] Kocher L, et al. **J Fr Ophtalmol** 1983; 6(10):843–51 (Eng. Abstr.) **(Fre)**

[Functional amblyopia. Physiopathology, clinical pathology, methods of testing] Spiritus M. **J Fr Ophtalmol** 1983; 6(12):1017–22 **(Fre)**

[Neurophysiologic remarks on the central nervous system principles of vision] Singer W. **Fortschr Ophthalmol** 1983; 80(5):355–9 (Eng. Abstr.) **(Ger)**

[Residual binocularity in the peripheral visual field of amblyopes and alternators: a psychophysical study] Sireteanu R, et al. **Fortschr Ophthalmol** 1983;80(4):271–4 (Eng. Abstr.) **(Ger)**

[Comparative vision tests using objective and subjective testing methods in amblyopia] Stangler-Zuschrott E, et al. **Klin Monatsbl Augenheilkd** 1983 Dec;183(6):459–63 (Eng. Abstr.) **(Ger)**

[Sine and square modulated checkerboard pattern reversal VEPs in anisometropic amblyopia] Ohzeki T, et al. **Nippon Ganka Gakkai Zasshi** 1983;87(11):1003–9 (Eng. Abstr.) **(Jpn)**

[Pattern reversal VEPs on the lower, upper, nasal and temporal field stimulations in anisometropic amblyopia] Ohzeki T, et al. **Nippon Ganka Gakkai Zasshi** 1983; 87(10):886–91 (Eng. Abstr.) **(Jpn)**

[Spatial modulation transfer function of anisometropic amblyopia] Sawada K. **Nippon Ganka Gakkai Zasshi** 1983; 87(10):827–31 (Eng. Abstr.) **(Jpn)**

[Supraliminal contrast sensitivity function in anisometropic amblyopia] Tagami Y, et al. **Nippon Ganka Gakkai Zasshi** 1984 Feb;88(2):222–9 (Eng. Abstr.) **(Jpn)**

PREVENTION & CONTROL

Vision screening and photorefraction – the relation of refractive errors to strabismus and amblyopia. Atkinson J, et al. **Behav Brain Res** 1983 Oct;10(1):71–80

Intraocular lens implantation in unilateral congenital cataract: a preliminary report. Aron JJ, et al. **J Am Intraocul Implant Soc** 1983 Summer;9(3):306–8

Preschool vision screening for amblyopia and strabismus. Programs, methods, guidelines, 1983. Ehrlich MI, et al. **Surv Ophthalmol** 1983 Nov–Dec;28(3):145–63

[Strabismus and amblyopia. Value of early detection] Goddé-Jolly D, et al. **Ann Pediatr (Paris)** 1983 Sep; 30(7):489–95 (Eng. Abstr.) **(Fre)**

PSYCHOLOGY

[Mental development of children with amblyopia and disorders of bioelectric activity of the brain] Gerkowicz K, et al. **Klin Oczna** 1983 May;85(5):225–6 (Eng. Abstr.) **(Pol)**

SURGERY

Bilateral deprivation amblyopia. Singh G, et al. **Ann Ophthalmol** 1984 Jan;16(1):86–8

THERAPY

Effects of amblyopia therapy on contrast sensitivity as reflected in the visuogram. Lundh BL, et al. **Acta Ophthalmol (Copenh)** 1983 Jun;61(3):431–46

Optical characteristics of Transpaseal as a partial occluder. Charman WN. **Am J Optom Physiol Opt** 1983 Oct; 60(10):846–50

Vision function recovery during orthoptic therapy in an exotropic amblyope with high unilateral myopia. Selenow A, et al. **Am J Optom Physiol Opt** 1983 Aug;60(8):659–66

Results of treatment in amblyopia associated with unilateral high myopia without strabismus. Sen DK. **Br J Ophthalmol** 1984 Sep;68(9):681–5

Treatment of amblyopia by cam vision stimulator—study of 40 cases. Bavishi AK, et al. **Indian J Ophthalmol** 1983 Jul; 31(4):375–8

Penalization in amblyopia. Goel BS, et al. **Indian J Ophthalmol** 1983 May;31(3):307–11

Cam vision stimulator in the treatment of strabismic and anisometropic amblyopia. Reddy RH, et al. **Indian J Ophthalmol** 1983 Jul;31(4):363–5

A combined approach by spectacle correction, occlusion and active pleoptic treatment in management of amblyopia. Shroff AP, et al. **Indian J Ophthalmol** 1983 Sep;31(5):568–9

Oculomotor biofeedback therapy. Ciuffreda KJ, et al. **Int Rehabil Med** 1983;5(3):111–7 (49 ref.)

Recent advances in the management of amblyopia.

Lennerstrand G. **Int Rehabil Med** 1983;5(3):128–31
VEPs in the prognosis of amblyopia therapy: a case report. Sherman J, et al. **J Am Optom Assoc** 1983 Oct;54(10):915–8
Orthoptics. Sullivan M. **NC Med J** 1983 Oct;44(10):655
Some aspects of amblyopia. Jenkins TC. **Ophthalmic Physiol Opt** 1983;3(3):331–5
Amblyopia and the pediatrician. Stager DR. **Pediatr Ann** 1983 Aug;12(8):574–6, 578–84
[Importance of the motor element in the treatment of amblyopia in children under 2 years of age] Bourron-Madignier M, et al. **Bull Soc Ophtalmol Fr** 1983 Aug–Sep;83(8–9):955–7 **(Fre)**
[Clinical experience with the CAM visual stimulator. Apropos of 16 cases] Dalens H, et al. **Bull Soc Ophtalmol Fr** 1983 Apr;83(4):551–4 (Eng. Abstr.) **(Fre)**
[A new hypothesis for the treatment of amblyopia: the flicker stimulator] Parrozzani A, et al. **J Fr Ophtalmol** 1984; 7(3):233–6 (Eng. Abstr.) **(Fre)**
[Treatment of amblyopia with eccentric fixation by gratings] Priglinger S, et al. **Fortschr Ophthalmol** 1983;80(4):288–90 (Eng. Abstr.) **(Ger)**
[A new approach to the treatment of amblyopia] Sachs D, et al. **Harefuah** 1984 Feb 15;106(4):156–9 (Eng. Abstr.) **(Heb)**
[Acupuncture, auriculotherapy and craniopuncture in the treatment of functional amblyopia in children] Ercolani M, et al. **Minerva Med** 1983 Nov 3;74(42):2537–40 (Eng. Abstr.) **(Ita)**
[Therapeutic results in strabismic amblyopia] Cernea P, et al. **Rev Chir [Oftalmol]** 1983 Oct–Dec;27(4):279–84 (Eng. Abstr.) **(Rum)**
[Use of contact lenses to determine the completeness of eyeglass correction of astigmatism, elimination of amblyopia and selection of persons suitable for contact correction] Morkhat IV, et al. **Oftalmol Zh** 1983; 38(5):314–5 **(Rus)**
[Figured 'blinding' fields in the treatment of concomitant strabismus] Rozenberg VA. **Oftalmol Zh** 1983;38(5):265–8 (Eng. Abstr.) **(Rus)**
[Evaluation of pleoptic possibilities of a retinometer and laser refraction analyzer] Avetisov VE, et al. **Vestn Oftalmol** 1984 May–Jun;(3):44–6 **(Rus)**
[Clinical effect of the use of reflexotherapy in children with strabismus and amblyopia] Kovalsvskii EI, et al. **Vestn Oftalmol** 1984 Jan–Feb;(1):28–31 (Eng. Abstr.) **(Rus)**
[Accessible pleoptic method in amblyopia with any visual fixation in children] Lokhina EK. **Vestn Oftalmol** 1983 Nov–Dec;(6):54–5 **(Rus)**

AMBLYSTOMA see **AMBYSTOMA**

AMBROXOL see under **BROMHEXINE**

AMBULANCES

Elevated levels of carbon monoxide in the patient compartment of ambulances. Iglewicz R, et al. **Am J Public Health** 1984 May;74(5):511–2
Role of the intensive care ambulance in the transport of accident victims. Compton J, et al. **Aust NZ J Surg** 1983 Oct;53(5):435–8
Regulations and the air ambulance. Gibbons HL. **Aviat Space Environ Med** 1984 Mar;55(3): 239–43
Ambulance law in Canada. Rozovsky LE, et al. **Can J Public Health** 1983 Nov–Dec;74(6):428–9
Edmonton ambulance service: a cost-effective option. MacKenzie RC. **Dimens Health Serv** 1984 Jan;61(1):18–9
CCU network as primary care of acute myocardial infarction. Takano T, et al. **Jpn Circ J** 1984 Jul;48(7):690–7
Inappropriate use of ambulances [letter] Ehrlich BA. **N Engl J Med** 1984 Sep 20;311(12):801
The advantages of a coronary care ambulance system. Chamberlain DA. **Postgrad Med J** 1983;59 Suppl 3:89–90
[Mobile health units abroad] Kramer M. **Cas Lek Cesk** 1984 Jun 8;123(23):710–5 (Eng. Abstr.) **(Cze)**
[Medical emergencies in children aged 1 month to 15 years from the experience of a pediatric branch of the Val de Marne mobile emergency unit. Study of 642 interventions over 3 years] Hervé C, et al. **Ann Pediatr (Paris)** 1984 Apr; 31(4):269–74 (Eng. Abstr.) **(Fre)**
[Medical performance record of emergency physicians' mobile unit and emergency aid helicopter] Ellinger K, et al. **Anasth Intensivther Notfallmed** 1983 Aug;18(4):204–9 (Eng. Abstr.) **(Ger)**
[The use of the esophageal obturator in resuscitation. Experiences from the Stavanger ambulance service] Hapnes SA, et al. **Tidsskr Nor Laegeforen** 1984 Aug 10; 104(22):1424–6 (Eng. Abstr.) **(Nor)**
[Helicopters in health care—experiences and views from Jämtland] Zetterström H. **Lakartidningen** 1984 Apr 4; 81(14):1432–6 **(Swe)**

HISTORY

The air-ambulance: Orkney's experience. Collacott RA. **J R Coll Gen Pract** 1984 Mar;34(260):163–5

SUPPLY & DISTRIBUTION

Management of cardiac arrest in the community: a survey of resuscitation services. Jones RH. **Br Med J [Clin Res]** 1983 Oct 1;287(6397):968–71

AMBULATION, EARLY see **EARLY AMBULATION**

AMBULATORY CARE

A comparison of cessation strategies for the outpatient alcoholic. Telch MJ, et al. **Addict Behav** 1984;9(1):103–9
Guidelines for the outpatient management of tuberculosis cases, contacts, and suspects. Tuberculosis Division, Alabama Department of Public Health. **Ala Med** 1984 Jun; 53(12):9–11
Prognostic assessment of survivors of ventricular tachycardia and ventricular fibrillation with ambulatory monitoring. Vlay SC, et al. **Am J Cardiol** 1984 Jul 1;54(1):87–90
Starting insulin therapy in children with newly diagnosed diabetes: an outpatient approach [letter] Rosenbloom AL. **Am J Dis Child** 1984 Jan;138(1):103
Sudden death during ambulatory monitoring. Analysis of six cases. Clark MB, et al. **Am J Med** 1983 Nov;75(5):801–6
Short-course chemotherapy for tuberculosis with mainly twice-weekly isoniazid and rifampin. Community physicians' seven-year experience with mainly outpatients. Dutt AK, et al. **Am J Med** 1984 Aug;77(2):233–42
Effect of outpatient treatment of asthma with beta agonists on the response to sympathomimetics in an emergency room. Rossing TH, et al. **Am J Med** 1983 Nov;75(5):781–4
Shortest possible acceptable effective chemotherapy in ambulatory patients with pulmonary tuberculosis. Part II. Results during the 24 months after the end of chemotherapy. Mehrotra ML, et al. **Am Rev Respir Dis** 1984 Jun;129(6):1016–7
Sustained improvement in drug documentation, compliance, and disease control. A four-year analysis of an ambulatory care model. Bond CA, et al. **Arch Intern Med** 1984 Jun; 144(6):1159–62
A day rehabilitation stroke program. Marsh M. **Arch Phys Med Rehabil** 1984 Jun;65(6):320–3
Nonmedical costs to patients and their families associated with outpatient chemotherapy. Houts PS, et al. **Cancer** 1984 Jun 1;53(11):2388–92
Clinical applications of ambulatory electrocardiography. Kligfield P. **Cardiology** 1984;71(2–3):69–99 (117 ref.)
Outpatient coronary arteriography. Fierens E. **Cathet Cardiovasc Diagn** 1984;10(1):27–32
An interactive data base system for assessing and managing outpatient experiences in residency training. Quattlebaum TG. **Comput Programs Biomed** 1983 Aug–Oct; 17(1–2):157–65
Incidence of hospitalisation and outpatient clinical visits caused by rotavirus and non-rotavirus acute gastroenteritis. A study of children living in the southern district of Copenhagen County. Hjelt K, et al. **Dan Med Bull** 1984 Jun;31(3):249–51
Efficacy of psychotherapeutic counselling during 21-day ambulatory heroin detoxification. Rawson RA, et al. **Drug Alcohol Depend** 1983 Oct;12(2):197–200
Comments on office management of the insulin-requiring diabetic patient: a preferred alternative to hospitalization [editorial] **Henry Ford Hosp Med J** 1983;31(2):116–7
Physician-patient agreement on symptoms as a predictor of retention in outpatient care. Chesney AP, et al. **Hosp Community Psychiatry** 1983 Aug;34(8):737–9
Ambulatory blood pressure recordings. Reproducibility and unpredictability. des Combes BJ, et al. **Hypertension** 1984 May–Jun;6(3):C110–5
Ambulatory monitoring in patients with implanted pacemakers. Kaul UA, et al. **Indian Heart J** 1984 Jan–Feb; 36(1):23–6
24 hours ambulatory monitoring in syncope. Sathyamurthy I, et al. **Indian Heart J** 1983 May–Jun;35(3):149–55
Drug prescribing for ambulatory patients 85 years of age and older. Knapp DA, et al. **J Am Geriatr Soc** 1984 Feb; 32(2):138–43
Determination of mental status in an ambulatory geriatric population [letter] Wolff ML. **J Am Geriatr Soc** 1984 Mar; 32(3):245
Ambulatory care medical education: a review. Hart L, et al. **J Am Osteopath Assoc** 1984 Jun;83(10):745–9
Prediction of pneumonia in outpatients with acute cough—a statistical approach. Diehr P, et al. **J Chronic Dis** 1984; 37(3):215–25
Ambulatory blood pressure recording to identify hypertensive patients who truly need therapy. Waeber B, et al. **J Chronic Dis** 1984;37(1):55–7
Quazepam in the short-term treatment of insomnia in outpatients. Aden GC, et al. **J Clin Psychiatry** 1983 Dec; 44(12):454–6
Dexamethasone suppression in depressed elderly outpatients. Allen RE, et al. **J Clin Psychiatry** 1984 Sep;45(9):397–8
Multicenter double-blind comparison of nomifensine and imipramine for efficacy and safety in depressed outpatients. Bremner JD, et al. **J Clin Psychiatry** 1984 Apr;45(4 Pt 2):56–9
A two-center double-blind study of nomifensine, imipramine, and placebo in depressed geriatric outpatients. Cohn JB, et al. **J Clin Psychiatry** 1984 Apr;45(4 Pt 2):68–72
Multicenter placebo-controlled evaluation of nomifensine treatment in depressed outpatients. Feighner JP, et al. **J Clin Psychiatry** 1984 Apr;45(4 Pt 2):47–51
Double-blind comparison of the efficacy and safety of nomifensine maleate vs. placebo in depressed outpatients. Georgia EH. **J Clin Psychiatry** 1984 Apr;45(4 Pt 2):43–6
Double-blind placebo-controlled multicenter evaluation of the efficacy and safety of nomifensine in depressed outpatients. Goldstein BJ, et al. **J Clin Psychiatry** 1984 Apr; 45(4 Pt 2):52–5
A double-blind comparative evaluation of the efficacy and safety of nomifensine, imipramine, and placebo in depressed geriatric outpatients. Merideth CH, et al. **J Clin Psychiatry** 1984 Apr;45(4 Pt 2):73–7
Correlation of the Hamilton and Carroll Depression Rating Scales: a replication study among psychiatric outpatients. Nasr SJ, et al. **J Clin Psychiatry** 1984 Apr;45(4):167–8
Clinical experience with a new dynamic display system for ambulatory ECG recordings. Contini C, et al. **J Electrocardiol** 1984 Jan;17(1):67–74
Efficacy of mexiletine in the medium-term treatment of ventricular arrhythmias. A randomized, double-blind, crossover trial against placebo in ambulatory patients. Masotti G, et al. **J Int Med Res** 1984;12(2):73–80
An agenda for residency training in ambulatory care. Link K, et al. **J Med Educ** 1984 Jun;59(6):494–500
Implementation of an on-line archive for retrieval of laboratory results for outpatients. Bloch DM, et al. **J Med Syst** 1983 Jun;7(3):243–9
Screening the ambulatory care performance of family practice residents using a health information system. Given CW, et al. **J Med Syst** 1983 Jun;7(3):285–93
Increased effectiveness of substance abuse treatment. A prospective study of patient-treatment 'matching'. McLellan AT, et al. **J Nerv Ment Dis** 1983 Oct; 171(10):597–605
The treatment of social dysfunction in nonpsychotic outpatients. A review. Stravynski A, et al. **J Nerv Ment Dis** 1983 Dec;171(12):721–8
A framework for ambulatory care evaluation [letter] Fifer WR. **J Nurs Adm** 1978 Nov;8(11):5–6
The companion [letter] Herndon RF. **JAMA** 1984 Jun 8; 251(22):2926
Characteristics of non-sustained ventricular tachycardia detected by ambulatory electrocardiography. Saito K, et al. **Jpn Circ J** 1984 May;48(5):421–6
Ambulatory long-term vasodilator therapy for chronic refractory heart failure: hemodynamic evaluation and clinical response. Saito S, et al. **Jpn Circ J** 1984 Apr; 48(4):350–6
Flexible sigmoidoscopy as outpatient procedure. Reynolds JR, et al. **Lancet** 1983 Nov 5;2(8358):1072
Outpatient appointments [letter] Warlow CP. **Lancet** 1984 Jul 21;2(8395):164–5
Administration of a complex chemotherapy regimen: inpatient versus outpatient treatment. Pasmantier MW, et al. **Med Pediatr Oncol** 1983;11(5):333–5
Report of a pilot project on the outpatient treatment of alcohol problems [letter] Lanham RJ, et al. **NY State J Med** 1984 May;84(5):231
Recent developments in the outpatient management of insulin-dependent diabetes mellitus during pregnancy. Granados JL. **Obstet Gynecol Annu** 1984;13:83–98 (69 ref.)
Improving staff performance in an ambulatory health care system. Beloff JS. **QRB** 1983 Jul;9(7):209–12
Outpatient angiography and interventional radiology: safety and cost benefits. Adams PS Jr, et al. **Radiology** 1984 Apr; 151(1):81–2
Outpatient needle biopsy of the lung: its safety and utility. Stevens GM, et al. **Radiology** 1984 May;151(2):301–4
Treatment of patients with chronic low back pain. Comparison between rehabilitation centre and outpatient care. Mellin G, et al. **Scand J Rehabil Med** 1984;16(2):77–84
Spinal pain rehabilitation: inpatient and outpatient treatment results and development of predictors for outcome. Cairns D, et al. **Spine** 1984 Jan–Feb;9(1):91–5
The Missouri Alcoholism Severity Scale as a predictor of transfer from outpatient to inpatient treatment. Seixas FA. **Subst Alcohol Actions Misuse** 1983;4(6):423–43
Surgical technique for outpatient cone biopsy of the cervix uteri. Deppe G, et al. **Surg Gynecol Obstet** 1984 Jun; 158(6):552–4
[Arrest of rhythmic disorders in an outpatient polyclinic] Kokutsov A. **Vutr Boles** 1984;23(2):88–92 (Eng. Abstr.) **(Bul)**
[Possibility for studying the life expectancy of patients with Balkan endemic nephropathy by dispensary observation] Tanchev I, et al. **Vutr Boles** 1983;22(5):57–63 (Eng. Abstr.) **(Bul)**
[Comments on the ambulatory protective care of sexual delinquents] Zvěřina J, et al. **Cesk Psychiatr** 1984 Feb; 80(1):51–6 (Eng. Abstr.) **(Cze)**
[Drug distribution and drug behavior in relation to patient discharge or outpatient treatment] Sørensen EW. **Ugeskr Laeger** 1983 Sep 12;145(37):2873–9 (Eng. Abstr.) **(Dan)**
[The value of echocardiography in ambulatory practice. A 2 year follow up] Jaussi A, et al. **Arch Mal Coeur** 1984 Feb;77(2):189–96 (Eng. Abstr.) **(Fre)**
[The value of the principle of very early nephrotomography in ambulatory care] Sarbach B, et al. **Rev Med Suisse Romande** 1983 Jul;103(7):563–6 **(Fre)**
[Experience with so-called ambulatory delivery in the clinic] Dudenhausen JW, et al. **Arch Gynecol** 1983;235(1–4):617–23 **(Ger)**
[Ambulatory management of the recurrent nephrotic syndrome] Mank H. **Kinderarztl Prax** 1983 Nov;

51(11):517–20 (Eng. Abstr.) (Ger)
[Long-term and short-term patients in a psychiatric university-polyclinic: a comparison of their social indicators using the AMDP system] Wacker HR, et al. **Schweiz Arch Neurol Neurochir Psychiatr** 1983; 133(2):347–61 (Eng. Abstr.) (Ger)
[Ambulatory evaluation of patients with suspected coronary heart disease] Pfisterer M. **Schweiz Med Wochenschr [Suppl]** 1984;16:11–6 (Eng. Abstr.) (Ger)
[Arrhythmias and symptoms during long-term ECG in ambulatory patients] Fischer E, et al. **Schweiz Rundsch Med Prax** 1984 Jan 17;73(3):59–65 (Eng. Abstr.) (Ger)
[The treatment of arrhythmias from the viewpoint of private practice] Kaufmann G. **Schweiz Rundsch Med Prax** 1984 Jan 17;73(3):85–8 (Eng. Abstr.) (Ger)
[Recommendations for ambulatory treatment of fractures] Kehrer B, et al. **Ther Umsch** 1983 Nov;40(11):928–31 (Eng. Abstr.) (Ger)
[Medical care records—a tool in the ambulatory and hospital care process] Bohndorf HJ, et al. **Z Arztl Fortbild (Jena)** 1984;78(11):427–33 (Ger)
[Diagnosis of psychogenic seizures in ambulatory practice] Broeker H. **Z Arztl Fortbild (Jena)** 1984;78(7):269–72 (Ger)
[Use of ambulatory medical care in cardiovascular diseases—a prescription analysis] Fröböse HH, et al. **Z Arztl Fortbild (Jena)** 1984;78(11):451–4 (Ger)
[Analysis of child and adolescent neuropsychiatric activity in Hoyerswerda District—a pilot study] Walter I. **Z Arztl Fortbild (Jena)** 1983;77(23):979–83 (Ger)
[Experiences with ambulatory delivery] Harms E, et al. **Z Geburtshilfe Perinatol** 1983 Nov–Dec;187(6):284–8 (Eng. Abstr.) (Ger)
[Ambulatory care in occupational medicine – an important task in outlining health protection for workers] Kreibich H. **Z Gesamte Hyg** 1983 Oct;29(10):611–3 (Eng. Abstr.) (Ger)
[Mycoplasma pneumoniae infections in ambulatory patients with respiratory infections] Ritter E, et al. **Z Gesamte Hyg** 1983 Aug;29(8):435–8 (Eng. Abstr.) (Ger)
[Ambulatory long-term therapy of neurologic patients. Tasks of a physician in private practice – using apoplexy as an example] Prange H. **ZFA (Stuttgart)** 1983 Nov 20; 59(32):1809–14 (Ger)
[Ambulatory rehabilitation of the cardiac patient. Present status and centers] Spadaccini F, et al. **Minerva Cardioangiol** 1984 Mar;32(3):125–9 (Eng. Abstr.) (Ita)
[Ambulatory therapy of tuberculosis] Arizio A. **Minerva Med** 1984 Mar 17;75(11):573–6 (Eng. Abstr.) (Ita)
[X-ray unit in a rural health centre. An evaluation of disadvantages and advantages after 1 year's experiences] Kirkeby OJ, et al. **Tidsskr Nor Laegeforen** 1983 Jun 10; 103(16):1332–4 (Eng. Abstr.) (Nor)
[Ambulatory use of cisplatin. Preliminary considerations] de Oliveira Filho JA, et al. **Rev Paul Med** 1983 Sep–Oct; 101(5):199–202 (Eng. Abstr.) (Por)
[Research methodology and various aspects of the morbidity and effectiveness of the hospitalization of mental patients. IV. Contributions to the increased efficiency of the ambulatory medical care of mental patients on the basis of hospitalization] Lăpuşan I, et al. **Rev Med Interna [Neurol Psihiatr]** 1984 Jan–Mar; 29(1):69–76 (Eng. Abstr.) (Rum)
[Use of therapeutic plasmapheresis on an outpatient basis] Apetianu V, et al. **Gematol Transfuziol** 1983 Oct; 28(10):25–7 (Eng. Abstr.) (Rus)
[Cytomorphological characteristics of basalioma based on data from outpatient observations] Veselovskaia LP, et al. **Lab Delo** 1984;(4):209–11 (Eng. Abstr.) (Rus)
[Use of ultrasonic diagnosis and therapy in ambulatory-polyclinic conditions] Marmur RK, et al. **Oftalmol Zh** 1983;38(3):141–3 (Eng. Abstr.) (Rus)
[Ambulatory-polyclinic ophthalmologic service in the Ukrainian SSR] Puchkovskaia NA, et al. **Oftalmol Zh** 1983; 38(3):129–32 (Eng. Abstr.) (Rus)
[Staged treatment and dispensary care of children with urinary diseases] Naumova VI, et al. **Pediatriia** 1984 Jun; (6):3–6 (Rus)
[Team-controlled study the effectiveness of chemotherapy with outpatients with fibrous-cavitary tuberculosis] Margulis NIu, et al. **Probl Tuberk** 1984 Jun;(6):6–11 (Eng. Abstr.) (Rus)
[Diagnostic and dispensary observation of patients with disseminated processes in the lungs] Il'kovich MM. **Sov Med** 1984;(1):43–8 (Eng. Abstr.) (Rus)
[Dispensary care of chronic bronchitis patients] Polushkina AF, et al. **Sov Med** 1984;(6):59–61 (Rus)
[Characteristics of arterial hypertension and the dispensary care of patients in the steppe reclamation areas of Dzhizak Province] Babaev UKh. **Sov Zdravookhr** 1984;(6):11–3 (Eng. Abstr.) (Rus)
[Use of partial home hospitalization in the treatment of patients with peptic ulcer] Krylov AA, et al. **Sov Zdravookhr** 1983;(7):39–41 (Eng. Abstr.) (Rus)
[Dispensary care of patients requiring orthodontic treatment] Gavrilov EI. **Stomatologiia (Mosk)** 1984 Jul–Aug; 63(4):54–6 (Eng. Abstr.) (Rus)
[Ambulatory treatment of disorders of heart rhythm and conduction] Makolkin VI, et al. **Ter Arkh** 1984;56(4):3–10 (Rus)
[Ambulatory chemotherapy of hematosarcoma] Finogenova IA, et al. **Vopr Onkol** 1984;30(3):77–81 (Eng. Abstr.) (Rus)
[Endoscopic patient examination in the polyclinic] Eloev VA, et al. **Vrach Delo** 1984 Jul;(7):37–8 (Eng. Abstr.) (Rus)
[Effectiveness of remantadine in outpatients during a period of epidemic outbreaks of influenza A and B] Leonov VM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Jan;(1):82–5 (Eng. Abstr.) (Rus)
[Care of soft tissue injuries in a garrison ambulatory care service] Uzelac S. **Vojnosanit Pregl** 1983 Nov–Dec; 40(6):457–8 (Scr)
[Social cost effectiveness of 2 systems of treatment of malnourished children, in Chile] Gómez E, et al. **Arch Latinoam Nutr** 1983 Dec;33(4):770–84 (Eng. Abstr.) (Spa)
[Evaluation of an ambulatory program of psychomotor development stimulation in malnourished infants] Salvatierra V, et al. **Rev Chil Pediatr** 1984 Jan–Feb; 55(1):47–53 (Eng. Abstr.) (Spa)
[Droperidol and ambulatory pediatric anesthesia (letter)] Castillo Monsegur J, et al. **Rev Esp Anestesio' Reanim** 1983 Nov–Dec;30(6):257 (Spa)
[Policlinic deliveries are increasing in Holland] Nilsson CA. **Lakartidningen** 1983 Oct 5;80(40):3702–3 (Swe)

ECONOMICS

Block grants in ambulatory care: the role of local health departments. Shapiro SH. **Bull NY Acad Med** 1984 Jan–Feb;60(1):34–47
The effect on cost of medical care for patients treated with an automated clinical audit system. Thomas JC, et al. **J Med Syst** 1983 Jun;7(3):307–13
[Can more detailed studies of ambulatory care costs be used to determine coefficients of economic requirements?] Stožický A, et al. **Cesk Zdrav** 1983 Jul;31(7):311–8 (Eng. Abstr.) (Cze)
[Controlling ambulatory medical care by remunerative procedures?] Düttmann R. **ZFA (Stuttgart)** 1983 Jul 31; 59(21):1165–9 (Ger)
[The economic cost of ambulatory medicine. Study of a general medicine practice under the Social Security System] Gervas JJ, et al. **Med Clin (Barc)** 1984 Jan 28; 82(3):97–101 (Eng. Abstr.) (Spa)

LEGISLATION & JURISPRUDENCE

Outpatient commitment: treatment in the least restrictive environment? Miller RD, et al. **Hosp Community Psychiatry** 1984 Feb;35(2):147–51

METHODS

Outpatient initiation of insulin infusion pump therapy. Guest J, et al. **Ala Med** 1983 Nov;53(5):36, 39
A microprocessor-based device for synthesis of R–R interval values during ambulatory monitoring. Pinciroli F, et al. **J Med Eng Technol** 1983 Sep–Oct;7(5):247–51
Office management of chronic pain. Dougherty RJ. **Postgrad Med** 1984 Aug;76(2):215–6, 218
[Ambulatory mud therapy of osteoarthrosis deformans patients] Krasil'nikova RG. **Revmatologiia (Moskva)** 1984 Jan–Mar;(1):41–3 (Eng. Abstr.) (Rus)
[Dispensary treatment of trophic ulcers of the lower extremities] Lesin BM. **Sov Med** 1984;(5):76–8 (Rus)
[Dental dispensary care of rhesus-sensitized pregnant women with periodontal disease] Mashchenko IS, et al. **Stomatologiia (Mosk)** 1984 Jan–Feb;63(1):35–8 (Eng. Abstr.) (Rus)

ORGANIZATION & ADMINISTRATION

Outpatient management and follow-up of bronchopulmonary dysplasia. Koops BL, et al. **Clin Perinatol** 1984 Feb; 11(1):101–22 (86 ref.)
[24 hours of observations in an emergency center: importance for ambulatory medicine] Duruz H, et al. **Rev Med Suisse Romande** 1983 Sep;103(9):719–22 (Fre)
[Organization of outpatient crisis intervention] Schöny W. **Wien Klin Wochenschr [Suppl]** 1983;145:17–9 (Eng. Abstr.) (Ger)
[Outpatient care of patients with psychoneural disorders] Späte HF. **Z Arztl Fortbild (Jena)** 1984;78(9):333–6 (Ger)
[The care of patients with cerebral circulatory disorders in the catchment area of one of Warsaw's neurological hospital departments. II. Indications for active ambulatory care of patients discharged from the hospital] Drabkowska-Kaczmarek A, et al. **Neurol Neurochir Pol** 1984 Jan–Feb;18(1):21–7 (Eng. Abstr.) (Pol)
[Principle of organizational and technical unity in designing complex hardware for the processes in polyclinic care] Dubrovskil EN, et al. **Med Tekh** 1983 Jul–Aug;(4):8–13 (Eng. Abstr.) (Rus)
[Current problems in organizing ambulatory polyclinic care for the population] Gavrilov NI. **Med Tekh** 1983 Jul–Aug; (4):3–7 (Rus)
[Centralized control of dispensarization and treatment of newly diagnosed patients with destructive tuberculosis of the lungs] Podolinnyĭ GI, et al. **Probl Tuberk** 1984 Feb; (2):5–7 (Eng. Abstr.) (Rus)
[Value of epidemiological studies of rheumatic disease for ambulatory care of the population] Bobylev VIa, et al. **Revmatologiia (Moskva)** 1983 Apr–Jun;(2):46–8 (Eng. Abstr.) (Rus)
[Traveling medical team to serve stock breeders on the range] Adzhibekov MB. **Sov Zdravookhr** 1984;(2):30–2 (Rus)
[Theoretical and practical problems in using automated systems in performing annual dispensary care of the whole population] Ermakov VV, et al. **Sov Zdravookhr** 1984; (4):14–8 (Eng. Abstr.) (Rus)
[Improvements in the organization of the dispensarization of the adult population] Fel' II, et al. **Sov Zdravookhr** 1983; (11):16–8 (Eng. Abstr.) (Rus)
[Organization of the ambulatory health care to the population of the Lvov region] Minakov VF, et al. **Sov Zdravookhr** 1983;(7):44–6 (Rus)
[Various aspects of the organization of ambulatory-polyclinic services to rural inhabitants of the Hungarian People's Republic] Nikitin IK, et al. **Sov Zdravookhr** 1984;(2):46–9 (Rus)
[Socio-hygienic aspects of the organization of ambulatory-polyclinic services for the rural population of the Kazakh SSR] Petrov PP, et al. **Sov Zdravookhr** 1983; (8):7–12 (Eng. Abstr.) (Rus)
[Organization of ambulatory-polyclinic care for rural population] Tazhbenov SU. **Sov Zdravookhr** 1983;(8):32–5 (Rus)
[Ambulatory care services in a polyclinic] Malygin VP, et al. **Voen Med Zh** 1983 Sep;(9):46–8 (Rus)
[Method of processing and analyzing the results of the dispensary examination of servicemen using a computer] Shaposhnikov FP. **Voen Med Zh** 1984 Jul;(7):18–21 (Rus)
[Organization of dispensary observation of patients who have sustained hemorrhagic fever with a renal syndrome] Sirotin BZ, et al. **Voen Med Zh** 1984 Mar;(3):45–7 (Rus)
[Organization of the dispensary observation of patients with tonsillogenic myocardiodystrophy] Detsik IuI, et al. **Vrach Delo** 1983 Nov;(11):117–9 (Rus)
[Dispensary registration of patients with neuropsychiatric diseases and possible methods of reorganizing it] Kotov VP, et al. **Zh Nevropatol Psikhiatr** 1984;84(1):103–7 (Eng. Abstr.) (Rus)
[Outpatient care in internal medicine (letter)] Delás Amat J. **Med Clin (Barc)** 1984 Apr 7;82(13):603–4 (Spa)
[Waiting time for medical care] Llerena CM, et al. **Salud Publica Mex** 1984 Jan–Feb;26(1):50–9 (Eng. Abstr.) (Spa)

PSYCHOLOGY

Anticipatory nausea and vomiting in an ambulatory medical oncology population. Fetting JH, et al. **Cancer Treat Rep** 1983 Dec;67(12):1093–8
[Experience with Nadex in an ambulatory psychiatric practice] Zmorski T. **Ther Umsch** 1983 Sep;40(9):817–20 (Eng. Abstr.) (Ger)
[Psychological aspects of the dispensary work of polyclinic physicians] Dreerman IaI. **Sov Zdravookhr** 1983;(11):18–21 (Rus)

STANDARDS

Method of evaluating and improving ambulatory medical care. Payne BC, et al. **Health Serv Res** 1984 Jun; 19(2):218–45
Relationships of physician characteristics to performance quality and improvement. Payne BC, et al. **Health Serv Res** 1984 Aug;19(3):307–32
Ambulatory blood pressure recordings. Reproducibility and unpredictability. des Combes BJ, et al. **Hypertension** 1984 Jan–Feb;6(1):110–4
Evaluation of the Remler M2000 blood pressure recorder. Comparison with intraarterial blood pressure recordings both at hospital and at home. Gould BA, et al. **Hypertension** 1984 Mar–Apr;6(2 Pt 1):209–15
Social and structural factors affecting psychiatric consultation in the ambulatory medical setting. Linn LS, et al. **Int J Psychiatry Med** 1984;14(1):77–86
Measuring adequacy of physician performance. A preliminary comparison of four methods in ambulatory care of chronic obstructive pulmonary disease. Kemeny ME, et al. **Med Care** 1984 Jul;22(7):620–31
Quality assurance in eight adult medicine group practices. Palmer RH, et al. **Med Care** 1984 Jul;22(7):632–43
Individual case review in the outpatient mental health department of an HMO. Anderson RO. **QRB** 1984 Jun; 10(6):191–3
Implementing quality assurance studies in ambulatory care. Strain R, et al. **QRB** 1984 Jun;10(6):168–73
A methodological approach to the analysis of the efficiency of dispensary reports. Protsek EG, et al. **Sante Publique (Bucur)** 1983;26(2):83–94
[Prerequisites for carrying out ambulatory anesthesia procedures. Resolutions of the German Society of Anesthesiology and Intensive Care] Opderbecke HW. **Anasth Intensivther Notfallmed** 1983 Dec;18(6):322–3 (Ger)
[Further improvement in the ambulatory-polyclinic care of children in cities (editorial)] **Pediatriia** 1983 Oct;(10):3–5 (Rus)

TRENDS

Technologic advances in ambulatory obstetrics and gynecology: boon or bane? Morrison JC, et al. **J Miss State Med Assoc** 1983 Nov;24(11):297–300

Consumer demand for outpatient mental health services for people with mental retardation. Reiss S, et al. **Ment Retard** 1984 Jun;22(3):112–6

The content of ambulatory medical care [letter] Josephson GW. **N Engl J Med** 1984 Apr 19;310(16):1060–1

[Ambulatory medical care of the over–65 patient] Abelin T, et al. **Soz Praventivmed** 1983;28(6):274–81 (Eng. Abstr.) (Ger)

[General dispensary care for the population and the tasks of roentgenology and radiology] Ermakov VV, et al. **Med Radiol (Mosk)** 1984 Apr;29(4):3–8 (Rus)

[Annual ambulatory care of children—a guarantee of further achievements in the health care of the younger generation] Grebesheva II. **Pediatriia** 1984 Jan;(1):3–5 (Rus)

[Ambulatory cardiology. Present and future] Alonso Gómez AM, et al. **Rev Esp Cardiol** 1983;36(6):493–6 (Eng. Abstr.) (Spa)

UTILIZATION

Use of ambulatory care services in three provider plans: interactions between patient characteristics and plans. Diehr P, et al. **Am J Public Health** 1984 Jan;74(1):47–51

Ambulatory mental health services utilization in three provider plans. Diehr P, et al. **Med Care** 1984 Jan; 22(1):1–13

The changing pattern of primary pediatric care: update for one community. Roghmann KJ, et al. **Pediatrics** 1984 Mar; 73(3):363–74

The clinical diagnosis of 'gastritis'. Aspects of demographic epidemiology and health care consumption based on a nationwide sample survey. Adami HO, et al. **Scand J Gastroenterol** 1984 Mar;19(2):216–9

Patterns of ambulatory care in obstetrics and gynecology: the National Ambulatory Medical Care Survey. United States, January 1980–December 1981. **Vital Health Stat [13]** 1984 Feb;(76):1–62

Patterns of ambulatory care in general and family practice: The National Ambulatory Medical Care Survey. United States, January 1980 – December 1981. Cypress BK. **Vital Health Stat [13]** 1983 Sep;13(73):i–iv, 1–60

Patterns of ambulatory care in pediatrics the National Ambulatory Medical Care Survey. Cypress BK. **Vital Health Stat [13]** 1983 Oct;75:1–60

The National Ambulatory Medical Care Complement Survey: United States, 1980. Gardocki GJ, et al. **Vital Health Stat [13]** 1984 May;(77):1–46

[Comparative study on ambulatory care utilization and satisfaction derived from 2 new primary health centers] Wey SL, et al. **Taiwan I Hsueh Hui Tsa Chih** 1983 Sep; 82(9):982–92 (Eng. Abstr.) (Chi)

[Ambulatory hospital treatment within the scope of internal medicine emergency admission] Mohr CP, et al. **ZFA (Stuttgart)** 1983 Oct 31;59(30):1694–6 (Ger)

[Need among the population for X-ray services in the treatment of dental diseases under outpatient polyclinic conditions] Mamedova LA, et al. **Stomatologiia (Mosk)** 1984 Mar–Apr;63(2):81–2 (Rus)

AMBULATORY CARE FACILITIES

Use of a medication cart to integrate pharmaceutical services in an outpatient clinic. Guernsey BG, et al. **Am J Hosp Pharm** 1983 Sep;40(9):1539–40

General practice psychiatric clinics. Impact on psychiatric services. Tyrer P, et al. **Br J Psychiatry** 1984 Jul;145:15–9

Psychiatric clinics in general practice. An extension of community care. Tyrer P. **Br J Psychiatry** 1984 Jul; 145:9–14

Physicians' private clinics in a Northern Thai town—patient–healer 'collaboration' and the shape of biomedical practice. Weisberg DH. **Cult Med Psychiatry** 1984 Jun;8(2):165–86

A mixed ambulatory–home nutrition rehabilitation programme in a rural area in Kenya. Verkley MT, et al. **East Afr Med J** 1983 Jan;60(1):15–21

Influenza and pneumococcal immunization in medical clinics, 1971–1983. Fedson DS. **J Infect Dis** 1984 May;149(5):817–8

Desirable characteristics of the teaching occupational medicine clinic. Guidotti TL. **J Occup Med** 1984 Feb; 26(2):105–9

Congruence between residents' and clinical instructors perceptions of teaching in outpatient care centres. Stritter FT, et al. **Med Educ** 1983 Nov;17(6):385–9

Freestanding emergency centers. Hoskins B. **Mo Med** 1984 May;81(5):266–7

Are you ready to meet your competition? Edwards KS. **Ohio State Med J** 1984 Jun;80(6):429–31

Private clinics. Their role in American medicine [editorial] Howard RB. **Postgrad Med** 1983 Oct;74(4):15–6

Parana Hemophiliac's Home: Curitiba–Parana–Brazil. Sprengel W. **Scand J Haematol [Suppl]** 1984;40:556

Linking treatment centers with alcoholics anonymous. Kurtz LF. **Soc Work Health Care** 1984 Spring;9(3):85–94

[Leprosy in northern India. XI. Analysis of the new patients' information sources on the clinics] Nakai E. **Nippon Rai Gakkai Zasshi** 1983 Jan–Mar;52(1):35–8 (Eng. Abstr.) (Jpn)

[Ambulatory polyclinic hematologic services in the USSR] Tokarev IuN, et al. **Gematol Transfuziol** 1983 Nov; 28(11):3–6 (Eng. Abstr.) (Rus)

[Changes in the patient population in a children's tuberculosis ambulatory dispensary] Kasarda VV. **Probl Tuberk** 1983 Sep;(9):16–8 (Eng. Abstr.) (Rus)

[Use of the laser 'Skal'pel'–1' laser device in polyclinics] Rutgaizer VM, et al. **Sov Zdravookhr** 1983;(11):42–6 (Eng. Abstr.) (Rus)

[Experience with the summer polyclinic practice therapy of 5th year students] Pimenov IuS, et al. **Ter Arkh** 1983; 55(11):126–7 (Rus)

[Xeroradiography unit of an x–ray department of a polyclinic] Pashnev VIa, et al. **Voen Med Zh** 1983 Jul;(7):60 (Rus)

[A plant shop health care service in prevention of ischemic heart disease] Gritsaĭ–Malanich EM. **Vrach Delo** 1983 Jun; (6):114–6 (Rus)

[Active detection of patients with hypertension in a polyclinic] Kuz'ko NV. **Vrach Delo** 1983 Jul;(7):61–4 (Rus)

[Improvements in instruction in a division of polyclinical services during the internship] Samson EI, et al. **Vrach Delo** 1983 Oct;(10):112–4 (1 ref.) (Rus)

[Mental disease in an ambulatory care clinic (letter)] Muñoz M. **Rev Med Chil** 1983 Nov;111(11):1195–7 (Spa)

ECONOMICS

Single daily dose treatment of severe refractory infections with ceftriaxone. Cost savings and possible parenteral outpatient treatment. Baumgartner JD, et al. **Arch Intern Med** 1983 Oct;143(10):1868–73

Need for assessing the effects of closing chest clinics in Ontario [editorial] Narain R. **Can Med Assoc J** 1984 Jun 15;130(12):1535–7

FECs pose competition for hospital EDS. Richards G. **Hospitals** 1984 Mar 16;58(6):77, 79–80, 82

Using commercial application' software. Integrating clinic office practices. Johns RB Jr. **J Med Syst** 1984 Apr; 8(1–2):15–9

Case mix in end–stage renal disease. Differences between patients in hospital–based and free–standing treatment facilities. Plough AL, et al. **N Engl J Med** 1984 May 31; 310(22):1432–6

[Economic efficacy of preventive health care for cardiological patients in rural regions] Berezhnitskiĭ MN, et al. **Vrach Delo** 1983 Jun;(6):117–8 (Rus)

[Economic indices of the activity of municipal polyclinics] Snegur EA, et al. **Vrach Delo** 1983 Aug;(8):1–4 (Rus)

MANPOWER

[Personnel status (especially of physicians) in the public health service from 1951 to 1980 in comparison to ambulatory and inpatient care—I.] Labisch–Ziesmann U, et al. **Off Gesundheitswes** 1984 Feb;46(2):63–7 (Ger)

[Work output of pediatricians in outpatient–polyclinic institutions] Ustinovich AK, et al. **Pediatriia** 1983 Sep; (9):57–9 (Rus)

ORGANIZATION & ADMINISTRATION

Pain clinics: role in the rehabilitation of patients with chronic pain. Grabois M. **Ann Acad Med Singapore** 1983 Jul; 12(3):428–33 (25 ref.)

Predicting physician time for melanoma outpatients. Ashley P, et al. **Dimens Health Serv** 1984 Apr;61(4):23–4

Method of evaluating and improving ambulatory medical care. Payne BC, et al. **Health Serv Res** 1984 Jun; 19(2):218–45

New opportunities for out–of–hospital health services. Moxley JH 3d, et al. **N Engl J Med** 1984 Jan 19; 310(3):193–7

Solving systems problems in the ambulatory care setting. Sandrick KM. **QRB** 1983 Sep;9(9):277–9

A novel system to obtain addresses of out–patients—assessment in routine clinic practice in Madras, S. India. Satagopan MC, et al. **Tubercle** 1984 Mar; 65(1):41–5

[Scientific and organizational forms of improving outpatient hematologic services to the community] Sushchenko IB, et al. **Gematol Transfuziol** 1983 Nov;28(11):10–6 (Eng. Abstr.) (Rus)

[A system of diagnostic tests, the providing of medical equipment and the level of automation in ambulatory care clinics] Sharonova LN, et al. **Med Tekh** 1983 Sep–Oct; (5):11–9 (Eng. Abstr.) (Rus)

[Imitative model of the operation of medical institutions and its use in the modeling of an ambulatory cardiologic service] Shimatonis KG. **Med Tekh** 1983 Sep–Oct;(5):8–11 (Eng. Abstr.) (Rus)

[Structure of an automated management system for the medical technology activities of the polyclinic] Zinchenko VA, et al. **Med Tekh** 1983 Jul–Aug;(4):14–23 (Eng. Abstr.) (Rus)

[Trachoma dispensary as a non–hospital ophthalmologic care center] Starkov GL, et al. **Oftalmol Zh** 1983;38(3):139–41 (Eng. Abstr.) (Rus)

[Organization of dispensary care for arterial hypertension patients in an urban polyclinic] Smolenskiĭ VS, et al. **Sov Med** 1984;(3):70–3 (Rus)

[Organization of specialized care for patients with allergic diseases in a city with a large population] Vishniakov NI. **Sov Med** 1984;(5):78–80 (Rus)

[Psychotherapeutic services in urban polyclinics] Gusev OA, et al. **Sov Zdravookhr** 1983;(9):47–51 (Eng. Abstr.) (Rus)

[Effectiveness of the complex introduction of scientific work organization into therapeutic–preventive institutions] Minakov VF. **Sov Zdravookhr** 1983;(9):6–12 (Eng. Abstr.) (Rus)

[Organization of workplace for district physician–therapeutists and nurses] Zotov IuI, et al. **Sov Zdravookhr** 1984;(3):21–5 (Eng. Abstr.) (Rus)

STANDARDS

[Ophthalmologic ambulatory–polyclinic service in the Donetsk Region and approaches to its improvement] Krasnikov PG, et al. **Oftalmol Zh** 1983;38(3):136–8 (Eng. Abstr.) (Rus)

[Efficacy of ophthalmologic ambulatory–polyclinic care for children and its further improvement] Seniakina AS, et al. **Oftalmol Zh** 1983;38(3):132–6 (Eng. Abstr.) (Rus)

SUPPLY & DISTRIBUTION

The growing abundance of psychiatric and psychologic specialty clinics—caveat actor! Caveat emptor! [editorial] Lesse S. **Am J Psychother** 1983 Jul;37(3):309–11

A survey of sexually transmitted disease centres in Australia. Bradford DL, et al. **Br J Vener Dis** 1983 Oct;59(5):330–4

[Availability of surgical services and their cost in municipal polyclinics] Snegur EA, et al. **Klin Khir** 1983 Nov;(11):51–2 (Rus)

TRENDS

Whither goes in/outpatient psychiatric care? [news] Ziporyn T. **JAMA** 1983 Dec 9;250(22):3018–9

[Work of the electrocardiographic office of an urban polyclinic] Gorelov NS. **Sov Zdravookhr** 1983;(11):40–2 (Rus)

UTILIZATION

Utilization of a freestanding emergency center by patients with and without private physicians. Kinney TJ, et al. **Ann Emerg Med** 1983 Dec;12(12):762–4

Measuring consumer preferences for ambulatory medical care arrangements. Rosko MD, et al. **J Med Syst** 1983 Dec; 7(6):545–54

High utilizers of ambulatory care services: 6–year followup at Alaska Native Medical Center. Nighswander TS. **Public Health Rep** 1984 Jul–Aug;99(4):400–4

AMBULATORY CARE FACILITIES, HOSPITAL see **OUTPATIENT CLINICS, HOSPITAL**

AMBULATORY SURGERY

see related
SURGICENTERS

Outpatient inguinal herniorrhaphy with both regional and local anesthesia. Ryan JA Jr, et al. **Am J Surg** 1984 Sep; 148(3):313–6

Postoperative morbidity following gynaecological outpatient laparoscopy. A reappraisal of the service. Collins KM, et al. **Anaesthesia** 1984 Aug;39(8):819–22

Day–case anaesthesia for termination of pregnancy. Evaluation of a total intravenous anaesthetic technique. Ogg TW, et al. **Anaesthesia** 1983 Nov;38(11):1042–6

Reliability and validity of psychomotor tests as measures of recovery from isoflurane or enflurane anesthesia in a day–care surgery unit. Denis R, et al. **Anesth Analg** 1984 Jul;63(7):653–6

Effect of preanesthetic glycopyrrolate and cimetidine on gastric fluid pH and volume in outpatients. Manchikanti L, et al. **Anesth Analg** 1984 Jan;63(1):40–6

The antiemetic effect of droperidol following outpatient strabismus surgery in children. Abramowitz MD, et al. **Anesthesiology** 1983 Dec;59(6):579–83

Neurologic state and psychomotor function following anesthesia for ambulatory surgery. Azar I, et al. **Anesthesiology** 1984 Apr;60(4):347–9

Outpatient anesthesia should not be limited to ASA Class I patients [letter] Berry FA. **Anesthesiology** 1984 Jun; 60(6):620

Efficacy of oral premedication for pediatric outpatient surgery. Brzustowicz RM, et al. **Anesthesiology** 1984 May; 60(5):475–7

Enema–induced hypocalcemia and hyperphosphatemia leading to cardiac arrest during induction of anesthesia in an outpatient surgery center. Reedy JC, et al. **Anesthesiology** 1983 Dec;59(6):578–9

In defense of volatile anesthetics for short outpatient surgery [letter] Sosis M. **Anesthesiology** 1984 Jun;60(6):605–6

Comparison of continuous infusion fentanyl or ketamine versus thiopental—determining the mean effective serum concentrations for outpatient surgery. White PF, et al. **Anesthesiology** 1983 Dec;59(6):564–9

Changes and similarities await the nurse entering ambulatory surgery practice. Applegeet CJ. **AORN J** 1984 Jul; 40(1):110–3

Block scheduling contributes to ambulatory surgery center success. Drier CA, et al. **AORN J** 1984 Mar;39(4):673–4

Arthroscopy instrumentation and time–savers. Harrison C, et al. **AORN J** 1984 Jun;39(7):1230, 1232–3

Ambulatory surgery units need their own OR committee. Hurlebaus PA, et al. **AORN J** 1984 Jan;39(1):88, 90

Ambulatory surgery. Outpatient surgery works to satisfy the public and private sectors. Mauldin BC. **AORN J** 1984 Feb;39(2):214, 216, 218

Ambulatory surgery. The preoperative assessment carries the patient through the surgical experience. Mauldin BC. **AORN J** 1984 Apr;39(5):770-1

Ambulatory surgery means business. Palmer PN. **AORN J** 1983 Sep;38(3):470, 472-3

Strategies for ambulatory surgery. Poland V. **AORN J** 1984 Jun;39(7):1245, 1248-9, 1252-3

Ambulatory surgery. Hospital-affiliated or freestanding units: which are best? Stetson PA. **AORN J** 1983 Dec; 38(6):1049-50, 1054

Day-stay oral surgery [letter] Litchfield NB. **Aust Dent J** 1983 Aug;28(4):248

Outpatient oral surgery. McDonald PJ. **Aust Dent J** 1983 Oct;28(5):286-91

Day-stay oral surgery. Vickers P, et al. **Aust Dent J** 1983 Jun;28(3):135-8

Comparison between midazolam and thiopentone-based balanced anaesthesia for day-case surgery. Crawford ME, et al. **Br J Anaesth** 1984 Feb;56(2):165-9

Preoperative medication for day-case surgery. A comparison between oxazepam and temazepam. Greenwood BK, et al. **Br J Anaesth** 1983 Oct;55(10):933-7

Atracurium for short surgical procedures in day patients. Pearce AC, et al. **Br J Anaesth** 1984 Sep;56(9):973-6

Regional anaesthesia for outpatient surgery--a summary of 12 years' experience. Bridenbaugh LD. **Can Anaesth Soc J** 1983 Sep;30(5):548-52

Prophylaxis and management of post-operative problems. Edelist G. **Can Anaesth Soc J** 1983 Sep;30(5):558-60

General anaesthesia for day care surgery patients. Forbes RB. **Can Anaesth Soc J** 1983 Sep;30(5):545-7

Day care surgery for infants and children. Johnson GG. **Can Anaesth Soc J** 1983 Sep;30(5):553-7

Selection of patients for day care surgery. McTaggart RA. **Can Anaesth Soc J** 1983 Sep;30(5):543-5

Dermatologic surgery in an ambulatory surgery center: ten years' experience. Goldman L. **Cutis** 1984 Jul;34(1):65-6, 68

Guidelines for outpatient general anesthesia to provide comprehensive dental treatment. Ferretti GA. **Dent Clin North Am** 1984 Jan;28(1):107-20

A randomized comparison of single and multiple rubber band ligations. Khubchandani IT. **Dis Colon Rectum** 1983 Nov; 26(11):705-8

Ten years of day-case herniorrhaphies in Nigeria. Udeh FN. **East Afr Med J** 1983 Jun;60(6):393-6

Pre-existing medical problems. Ambulatory surgery. Natof HE. **IMJ** 1984 Aug;166(2):101-4

Out patient cataract surgery (a study of the 100 cases). Nagpal PN, et al. **Indian J Ophthalmol** 1983 May;31(3):298-300

Nitrous oxide analgesia for outpatient surgery. Corboy JM. **J Am Intraocul Implant Soc** 1984 Spring;10(2):232-4

The incidence of postoperative infection in outpatient podiatric surgery. Martin WJ, et al. **J Am Podiatry Assoc** 1984 Feb;74(2):89-90

Methoxyflurane analgesia for office surgery. Surgical gem. Lewis LA. **J Dermatol Surg Oncol** 1984 Feb;10(2):85-6

Arthrotomy and meniscectomy: day-case procedures. Noble J, et al. **J R Coll Surg Edinb** 1984 May;29(3):172-5

Day-case ophthalmic surgery [editorial] Ingram RM. **J R Soc Med** 1984 Apr;77(4):263-5

The need to redefine levels of surgical care. Davis JE. **JAMA** 1984 May 18;251(19):2527-8

Outpatient hypospadias repair. Hensle TW, et al. **NY State J Med** 1984 Mar;84(3 Pt 1):112-3

Repair of the groin hernia. Outpatient approach with local anesthesia. Flanagan L Jr, et al. **Surg Clin North Am** 1984 Apr;64(2):257-67

[The presence of parents at outpatient operations on children. The significance of the presence of parents at induction of anesthesia and the preoperative instruction of children requiring outpatient operations] Skeie E. **Ugeskr Laeger** 1983 Sep 26;145(39):3044-7 (Eng. Abstr.) **(Dan)**

[Anesthesia and analgesia in ambulatory surgery] Meine J. **Rev Med Suisse Romande** 1983 Oct;103(10):829-39 **(Fre)**

[Surgery in practice and in the polyclinic] **Langenbecks Arch Chir** 1983;361:631-58 **(Ger)**

[10 years of ambulatory surgery--results of a patient survey] Wallstab G, et al. **Zentralbl Chir** 1984;109(5):347-51 (Eng. Abstr.) **(Ger)**

[Ambulatory cryosurgical restoration of benign cervical lesions] Konnegen V, et al. **Zentralbl Gynakol** 1984; 106(9):611-5 (Eng. Abstr.) **(Ger)**

[Pure brief reflux varices: their possible ambulatory treatment. Our first experience] Benignetti G, et al. **Clin Ter** 1984 Apr 15;109(1):67-71 (Eng. Abstr.) **(Ita)**

[Lights and shadows in the surgical day hospital today] Montorsi W. **Minerva Chir** 1983 Dec 15-31; 38(23-24):2025-8 **(Ita)**

[Use of oral ketamine in oral surgery. Clinical experiences in extractive surgery and ambulatory pedodontics] Badini Confalonieri F, et al. **Minerva Stomatol** 1983 Nov-Dec; 32(6):915-7 (Eng. Abstr.) **(Ita)**

[Epigastric hernia (interxiphoumbelical lipoma): classification, frequency, repercussions on the absenteeism and operational cost. Value of the ambulatory surgery system] Pimenta LG, et al. **AMB** 1983 Sep-Oct; 29(9-10):162-5 (Eng. Abstr.) **(Por)**

[Improvement of the efficacy of ambulatory surgery] Slavnova GA. **Oftalmol Zh** 1983;38(3):147-8 (Eng. Abstr.) **(Rus)**

[Visual motor coordination in the postanesthesia period after operative dentistry interventions in the polyclinic] Aleksandrov VN, et al. **Stomatologiia (Mosk)** 1984 Mar-Apr;63(2):46-7 (Eng. Abstr.) **(Rus)**

[Prevention of wound suppuration after dental polyclinic operations] Biberman IaM, et al. **Stomatologiia (Mosk)** 1984 Jan-Feb;63(1):82-4 **(Rus)**

ECONOMICS

Insurers' policies for reimbursement boost day surgery. Edwards BJ. **AORN J** 1983 Oct;38(4):582-4

Ambulatory surgery: when and what procedures. **Bol Asoc Med PR** 1983 Jan;75(1):26-8

[Lights and shadows in the surgical day hospital today] Montorsi W. **Minerva Chir** 1983 Dec 15-31; 38(23-24):2025-8 **(Ita)**

[Availability of surgical services and their cost in municipal polyclinics] Snegur EA, et al. **Klin Khir** 1983 Nov;(11):51-2 **(Rus)**

METHODS

One year's experience in a new dental day-stay unit. Yee KF, et al. **Anaesth Intensive Care** 1984 May;12(2):131-6

Tubal ligation and mini-laparotomy in an outpatient setting. Hurlbutt FR, et al. **Hawaii Med J** 1983 Jul;42(7):156-7

Ambulatory removal of cervical polyps under colposcopy. Abramovici H, et al. **Int J Gynaecol Obstet** 1984 Feb; 22(1):47-50

A comparison between arthroscopic meniscectomy and modified open meniscectomy. A prospective randomised study with emphasis on postoperative rehabilitation. Hamberg P, et al. **J Bone Joint Surg [Br]** 1984 Mar; 66(2):189-92

Ambulatory surgery. Tang J. **Tex Med** 1984 Jan;80(1):39-42

Optical urethrotomy as ambulatory procedure. Andronaco RB, et al. **Urology** 1984 Sep;24(3):268-70

Update: varicocelectomy--a safe outpatient procedure. Nadelson EJ, et al. **Urology** 1984 Sep;24(3):259-61

STANDARDS

Ambulatory surgery. Ambulatory surgery centers must compete for customers--both patients and physicians. Brandon J, et al. **AORN J** 1984 May;39(6):1036-40

TRENDS

Ambulatory surgery. Its origins, its present state, and its future direction. Schneck LH. **AORN J** 1984 Aug; 40(2):248-50

Con artist. Gray A. **Va Med** 1983 Nov;110(11):646-54

[Principal ways of developing and improving ambulatory-polyclinical surgical services] Apanasenko BG, et al. **Vestn Khir** 1984 Mar;132(3):135-7 (31 ref.) **(Rus)**

UTILIZATION

Day care surgery: do we and our patients need it? Hatch LR. **Can Anaesth Soc J** 1983 Sep;30(5):542-3

A survey of ambulatory surgery in Nebraska. Wilson VT. **Nebr Med J** 1984 Jun;69(6):184-8

[Various aspects of the organization of ambulatory surgery] Mazurik MF, et al. **Klin Khir** 1983 Nov;(11):53-5 **(Rus)**

AMBYSTOMA

ANATOMY & HISTOLOGY

Quantitative ultrastructure and functional correlates in proximal tubule of Ambystoma and Necturus. Maunsbach AB, et al. **Am J Physiol** 1984 May;246(5 Pt 2):F710-24

EMBRYOLOGY

Effects of environmental pH and temperature on embryonic survival capacity and metabolic rates in the smallmouth salamander, Ambystoma texanum. Punzo F. **Bull Environ Contam Toxicol** 1983 Oct;31(4):467-73

Fibronectin in early amphibian embryos. Migrating mesodermal cells contact fibronectin established prior to gastrulation. Boucaut JC, et al. **Cell Tissue Res** 1983; 234(1):135-45

The distribution of small ions during the early development of Xenopus laevis and Ambystoma mexicanum embryos. Gillespie JI. **J Physiol (Lond)** 1983 Nov;344:359-77

GENETICS

Genetic mapping in the Mexican axolotl, Ambystoma mexicanum. Armstrong JB. **Can J Genet Cytol** 1984 Feb; 26(1):1-6

Discovery and initial characterization of a new conditional (temperature-sensitive) maternal effect mutation in the axolotl. Briggs R, et al. **Differentiation** 1984;26(3):176-81

GROWTH & DEVELOPMENT

Calmodulin during development and metamorphosis in urodelan amphibians. Weinman JS, et al. **Dev Biol** 1984 Jan;101(1):73-85

The pigmentary system of developing axolotls. II. An analysis of the melanoid phenotype. Frost SK, et al. **J Embryol Exp Morphol** 1984 Jun;81:127-42

The pigmentary system of developing axolotls. I. A biochemical and structural analysis of chromatophores in wild-type axolotls. Frost SK, et al. **J Embryol Exp Morphol** 1984 Jun;81:105-25

A steady efflux of ionic current predicts hind limb development in the axolotl. Borgens RB, et al. **J Exp Zool** 1983 Dec;228(3):491-503

Neural crest cell behavior in white and dark larvae of Ambystoma mexicanum: time-lapse cinemicrographic analysis of pigment cell movement in vivo and in culture. Keller RE, et al. **J Exp Zool** 1984 Jan;229(1):109-26

Neural crest cell behavior in white and dark larvae of Ambystoma mexicanum: differences in cell morphology, arrangement, and extracellular matrix as related to migration. Spieth J, et al. **J Exp Zool** 1984 Jan; 229(1):91-107

METABOLISM

Distribution of cadmium, copper and zinc in the liver of spot salamander, Ambystoma maculatum and their binding to metallothionein. Suzuki KT, et al. **Comp Biochem Physiol [C]** 1984;78(1):35-8

PHYSIOLOGY

Acid-base and ionic balance in Ambystoma tigrinum and Necturus maculosus during hypercapnia. Stiffler DF, et al. **Am J Physiol** 1983 Nov;245(5 Pt 1):R689-94

The projection from the olfactory epithelium to the olfactory bulb in the salamander, Ambystoma tigrinum. Mackay-Sim A, et al. **Anat Embryol (Berl)** 1984;170(1):93-7

From salamanders to mammals: continuity in musculoskeletal function during locomotion. Peters SE, et al. **Brain Behav Evol** 1983;22(4):191-7

Are the primordial germ cells (PGCs) in urodela formed by the inductive action of the vegetative yolk mass? Michael P. **Dev Biol** 1984 May;103(1):109-16

Improved techniques for use of the triploid cell marker in the axolotl, Ambystoma mexicanum. Muneoka K, et al. **Dev Biol** 1984 Sep;105(1):240-5

Cellular contribution to supernumerary limbs in the axolotl, Ambystoma mexicanum. Muneoka K, et al. **Dev Biol** 1984 Sep;105(1):166-78

Cellular contribution to supernumerary limbs resulting from the interaction between developing and regenerating tissues in the axolotl. Muneoka K, et al. **Dev Biol** 1984 Sep; 105(1):179-87

Retinoic acid-induced pattern duplication in regenerating urodele limbs. Thoms SD, et al. **Dev Biol** 1984 Jun; 103(2):319-28

Effects of TRH, bovine TSH, and pituitary extracts on thyroidal T4 release in Ambystoma mexicanum. Darras VM, et al. **Gen Comp Endocrinol** 1983 Aug;51(2):286-91

Spastic mutant axolotl: identification of a phenocopy pathway with implications for the control of axolotl swimming by the vestibulocerebellum. Elbert OE, et al. **J Comp Neurol** 1983 Oct 10;220(1):97-105

Receptive field properties of horizontal cells in the tiger salamander retina: contributions of rods and cones. Hanani M. **Vision Res** 1983;23(10):1115-9

AMBYSTOMA MEXICANUM see under **AMBYSTOMA**

AMEBA see **AMOEBA**

AMEBIASIS

An experimental model for Naegleria fowleri-induced primary amebic meningoencephalitis in rabbits. Smego RA Jr, et al. **J Parasitol** 1984 Feb;70(1):78-81

Amebic prostatitis. Goff DA, et al. **South Med J** 1984 Aug; 77(8):1053-4

Primary amoebic meningoencephalitis: a first reported case in Thailand. Jariya P, et al. **Southeast Asian J Trop Med Public Health** 1983 Dec; 14(4):525-7

Secondary cerebral amebiasis. Banerjee AK, et al. **Trop Geogr Med** 1983 Dec;35(4):333-6

BLOOD

A multicomponent hemolytic system in the pathogenic amoeba Naegleria fowleri. Lowrey DM, et al. **Infect Immun** 1984 Sep;45(3):731-6

COMPLICATIONS

Pericardial effusion and jaundice. Farer LS, et al. **Chest** 1984 Sep;86(3):469-70

Hemolytic-uremic syndrome and Entamoeba histolytica infection [letter] McKinney RE Jr. **Pediatr Infect Dis** 1984 Jul-Aug;3(4):371

Amoebic granuloma--an unusual cause of caeco-colic intussusception. Patra SB, et al. **Postgrad Med J** 1984 Feb; 60(700):168-70

Amebic appendicitis associated with hepatic abscess. Robinson AS, et al. **South Med J** 1984 Aug;77(8):1047-8

DIAGNOSIS

Cytopathologic diagnosis of extracolonic amebiasis. Walsh TJ, et al. **Acta Cytol (Baltimore)** 1983 Nov-Dec;27(6):671-5

The use of the solid phase indirect immunofluorescent assay (FIAX) in the serodiagnosis of amebiasis. Walls KW, et al. **Ann NY Acad Sci** 1983;420:422–30

Appraisal of two serologic tests in diagnosis of the various clinical types of amoebiasis. Arafa MS, et al. **J Egypt Soc Parasitol** 1984 Jun;14(1):223–7

The detection of serotonin: an additional approach in diagnosing amebiasis. Denaro FJ. **Med Hypotheses** 1984 Jul;14(3):281–3

Entamoeba polecki in Tasmania [letter] Goldsmid JM, et al. **Med J Aust** 1984 Jul 21;141(2):134

Cutaneous amebiasis [letter] Brook I. **Pediatrics** 1983 Nov; 72(5):746

Seroepidemiology of amoebiasis using finger prick blood samples. Sharma P, et al. **Trop Gastroenterol** 1984 Jan–Mar; 5(1):49–52

Filter paper technique in serodiagnosis of amoebiasis. Srivastva M, et al. **Trop Gastroenterol** 1983 Oct–Dec; 4(4):207–9

[A case report of amoebic vaginitis] Zhang XH. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1984;2(1):60 **(Chi)**

[Application of enzyme-linked immunosorbent assay in the diagnosis of amebiasis] Guo ZZ. **Chung Hua I Hsueh Tsa Chih** 1984 Feb;64(2):71–4 (Eng. Abstr.) **(Chi)**

[A case of a single pleural localization of amebiasis] Ayoub A. **Rev Pneumol Clin** 1984;40(3):201–3 (Eng. Abstr.) **(Fre)**

[Case report from practice (19)] Eggenschwiler P. **Praxis** 1983 Nov 8;72(45):1433 **(Ger)**

[Value of determining anti-amebic antibodies for counterimmunoelectrophoresis with a commercial kit, in the diagnosis of invasive amebiasis] Nogueira JR, et al. **Rev Gastroenterol Mex** 1982 Oct–Dec;47(4):223–7 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Treatment of chronic amebiasis in pediatric patients with a suspension of quinfamide. Araujo Rojas F, et al. **Clin Ther** 1983;6(1):47–51

A study with quinfamide in the treatment of chronic amebiasis in adults. Guevara L, et al. **Clin Ther** 1983; 6(1):43–6

Nitroimidazoles in the treatment of trichomoniasis, giardiasis, and amebiasis. Rossignol JF, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 Feb;22(2):63–72

A comparative study on some anti-amoebic drugs in cyst-passers. Ata AH, et al. **J Egypt Soc Parasitol** 1984 Jun;14(1):213–8

A long-term follow up study of amoebiasis treated with metronidazole. Pehrson PO, et al. **Scand J Infect Dis** 1984; 16(2):195–8

Treatment of non-invasive amoebiasis. A comparison between tinidazole alone and in combination with diloxanide furoate. Pehrson P, et al. **Trans R Soc Trop Med Hyg** 1983;77(6):845–6

Ketoconazole and other potent antimycotic azoles exhibit pronounced activity against Trypanosoma cruzi, Plasmodium berghei and Entamoeba histolytica in vivo. Raether W, et al. **Z Parasitenkd** 1984;70(1):135–8

[Sensitivity of amoebae of the 'limax' group to selected antiparasitic drugs. II. Studies in vivo] Mazur T, et al. **Wiad Parazytol** 1983;29(3):263–72 (Eng. Abstr.) **(Pol)**

[Guidelines for the treatment of amebiasis and giardiasis] Levi GC, et al. **Rev Paul Med** 1983 Jul–Aug;101(4):153 **(Por)**

ENZYMOLOGY

[Cutaneous amebiasis: culture and enzymatic characterization of a strain] Hernández-Barrios M, et al. **Bol Med Hosp Infant Mex** 1983 Jun;40(6):299–303 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Colitis due to Dientamoeba fragilis. Shein R, et al. **Am J Gastroenterol** 1983 Oct;78(10):634–6

Acanthamoeba keratitis possibly acquired from a hot tub. Samples JR, et al. **Arch Ophthalmol** 1984 May; 102(5):707–10

'Amoebic granuloma of the lung' detected in a patient of pleuropulmonary amoebiasis. Turakhia DP, et al. **J Assoc Physicians India** 1983 Oct;31(10):674–6

IMMUNOLOGY

Effect of silica on resistance of mice to Entamoeba histolytica infection. Ghadirian E, et al. **Infect Immun** 1984 Aug; 45(2):399–402

Host resistance of mice to Naegleria fowleri infections. Reilly MF, et al. **Infect Immun** 1983 Nov;42(2):645–52

Microvolume, kinetic-dependent enzyme-linked immunosorbent assay for amoeba antibodies. Mathews HM, et al. **J Clin Microbiol** 1984 Feb;19(2):221–4

A seroepidemiological survey of amoebiasis in CDRI staff using IHA, IFA, ELISA, and AI tests by taking a drop of peripheral blood. Das SR, et al. **J Commun Dis** 1983 Sep;15(3):183–90

Amoebiasis in Pondicherry (clinical, serological and immunological study). Singh DS, et al. **J Indian Med Assoc** 1984 Apr;82(4):118–22

Genetic control of susceptibility of mice to infection with E. histolytica. Ghadirian E, et al. **Parasite Immunol** 1984 Jul;6(4):349–60

Immune phenomena in amebiasis. Kretschmer RR. **Surv Immunol Res** 1984;3(1):1–10 (73 ref.)

Anti-Ia reactivity in sera from subjects with Entamoeba histolytica infection. De Simone C, et al. **Trans R Soc Trop Med Hyg** 1984;78(1):64–8

[Diagnosis of extraintestinal amebiasis by an indirect ELISA method] Michel P, et al. **Bull Soc Pathol Exot Filiales** 1984 Mar–Apr;77(2):234–8 (Eng. Abstr.) **(Fre)**

METABOLISM

The iron status of Black subjects with amoebiasis. Bothwell TH, et al. **S Afr Med J** 1984 Apr 14;65(15):601–4

MICROBIOLOGY

Concomitant and secondary bacterial infection of the pus in hepatic amoebiasis. Gathiram V, et al. **S Afr Med J** 1984 Jun 16;65(24):951–3

MORTALITY

[Pathogenicity of Acanthamoeba isolated from water] Janitschke K, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Apr; 177(3–4):350–8 (Eng. Abstr.) **(Ger)**

OCCURRENCE

The incidence of amoebiasis among secondary school students in Calabar, Nigeria. Umeche N. **Folia Parasitol (Praha)** 1983;30(3):277–80

Prevalence of gastrointestinal parasites and urinary schistosomiasis and biting insects in an area of endemic onchocerciasis in Benue State on Nigeria. Gemade EI, et al. **Int J Zoonoses** 1983 Jun;10(1):53–8

The epidemiology and control of primary amoebic meningoencephalitis with particular reference to South Australia. Dorsch MM, et al. **Trans R Soc Trop Med Hyg** 1983;77(3):372–7

An outbreak of amoebic infection in a kibbutz population. Hart J, et al. **Trans R Soc Trop Med Hyg** 1984;78(3):346–8

Amoebiasis and giardiasis in Bangladesh: parasitological and serological studies. Hossain MM, et al. **Trans R Soc Trop Med Hyg** 1983;77(4):552–4

Influence of geographical factors in the distribution of pathogenic zymodemes of Entamoeba histolytica: identification of zymodeme XIV in India. Sargeaunt PG, et al. **Trans R Soc Trop Med Hyg** 1984;78(1):96–101

Intestinal parasitic infections in homosexual men at a San Francisco health fair. Markell EK, et al. **West J Med** 1983 Aug;139(2):177–8

[Hazards of infections from bacteria, fungi and amebae in the cooling and rinse waters of dental units] Just HM, et al. **Dtsch Zahnarztl Z** 1984 Jan;39(1):60–4 (Eng. Abstr.) **(Ger)**

[Sporadic cases of amebiasis in Donetsk Province] Bondarev LS, et al. **Med Parazitol (Mosk)** 1983 Nov–Dec;(6):36–8 **(Rus)**

PARASITOLOGY

Isolation of two strains of Acanthamoeba castellanii from human tissue and their pathogenicity and isoenzyme profiles. Visvesvara GS, et al. **J Clin Microbiol** 1983 Dec; 18(6):1405–12

Attempts at oral infection of rats and mice with trophozoites of Entamoeba histolytica. Owen DG. **Trans R Soc Trop Med Hyg** 1984;78(2):160–4

PATHOLOGY

Amebiasis presenting as multiple apple core lesions. Messersmith RN, et al. **Am J Gastroenterol** 1984 Mar; 79(3):238–41

Entamoeba histolytica cyst passers: clinical features and outcome in untreated subjects. Nanda R, et al. **Lancet** 1984 Aug 11;2(8398):301–3

Amoebiasis of the penis [letter] O'Leary RK, et al. **S Afr Med J** 1984 Jan 28;65(4):113

Naegleria australiensis: experimental meningoencephalitis in mice. De Jonckheere JF, et al. **Trans R Soc Trop Med Hyg** 1983;77(5):712–6

[A mouse model of primary amoebic (Naegleria fowleri) meningoencephalitis] Yi YY, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1983;1(2):99–101 (Eng. Abstr.) **(Chi)**

PHYSIOPATHOLOGY

Rectal ameboma. Ossowski EM. **Am Fam Physician** 1984 Feb;29(2):215–7

[Entamoeba histolytica: I. Mechanism of cytotoxic activity] Hudler H, et al. **Tropenmed Parasitol** 1983 Dec; 34(4):248–52 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Selective primary health care: strategies for control of disease in the developing world. X. Amebiasis. Martínez-Palomo A, et al. **Rev Infect Dis** 1983 Nov–Dec;5(6):1093–102

Immunization with killed Acanthamoeba culbertsoni antigen and amoeba culture supernatant antigen in experimental Acanthamoeba meningoencephalitis. Rowan-Kelly B, et al. **Trans R Soc Trop Med Hyg** 1984;78(2):179–82

TRANSMISSION

Naegleria fowleri infection acquired by mice through swimming in amebae-contaminated water. John DT, et al. **J Parasitol** 1983 Oct;69(5):871–4

[Amebiasis as a sexually transmitted disease] Christophersen J, et al. **Ugeskr Laeger** 1983 Dec 19;145(51):3990–2 (Eng. Abstr.) **(Dan)**

VETERINARY

Amebiasis in red-footed tortoises. Jacobson E, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1192–4

Hepatic and gastric amebiasis in black and white colobus monkeys. Loomis MR, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1188–91

Natural Entamoeba histolytica infection in domestic animals and rodents in Dakahlia Governorate, Egypt. Abo-Shady AF, et al. **J Egypt Soc Parasitol** 1983 Jun;13(1):125–8

AMEBIASIS, HEPATIC see **LIVER ABSCESS, AMEBIC**

AMEBIASIS, INTESTINAL see **DYSENTERY, AMEBIC**

AMEBICIDES

ADMINISTRATION & DOSAGE

Treatment of chronic amebiasis in pediatric patients with a suspension of quinfamide. Araujo Rojas F, et al. **Clin Ther** 1983;6(1):47–51

A study with quinfamide in the treatment of chronic amebiasis in adults. Guevara L, et al. **Clin Ther** 1983; 6(1):43–6

BLOOD

[Identification of metabolites of an antiamebic agent in rat serum] Cozzi P, et al. **Farmaco [Prat]** 1983 Sep;38(9):344–51 (Eng. Abstr.) **(Ita)**

CHEMICAL SYNTHESIS

[Synthesis in the azacoumarin series. 3,3'-Methylene-bis(hydroxy-4-azacoumarins) and their amebicidal properties] Dejardin JV, et al. **Ann Pharm Fr** 1983;41(5):437–45 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Phenothiazine compounds inhibit in vitro growth of pathogenic free-living amoebae. Schuster FL, et al. **Antimicrob Agents Chemother** 1984 Jan;25(1):109–12

Action of antiamoebic drugs on hepatic microsomal drug-metabolizing enzymes of hamster infected with virulent Entamoeba histolytica. Kumar VS, et al. **Indian J Med Res** 1983 Sep;78:349–53

Susceptibility testing of Entamoeba histolytica. Cedeño JR, et al. **J Infect Dis** 1983 Dec;148(6):1090–5

[Sensitivity of amoebae of the 'limax' group to selected antiparasitic drugs. I. Studies in vitro] Mazur T, et al. **Wiad Parazytol** 1983;29(3):253–62 (Eng. Abstr.) **(Pol)**

THERAPEUTIC USE

Comparative studies on the amoebicidal activity of known 5-nitroimidazole derivatives and CG 10213-Go in golden hamsters, Mesocricetus auratus, infected in the liver or caecum or both with trophozoites of Entamoeba histolytica. Ray DK, et al. **Ann Trop Med Parasitol** 1983 Jun;77(3):287–91

A comparative study on some anti-amoebic drugs in cyst-passers. Ata AH, et al. **J Egypt Soc Parasitol** 1984 Jun;14(1):213–8

Treatment of non-invasive amoebiasis. A comparison between tinidazole alone and in combination with diloxanide furoate. Pehrson P, et al. **Trans R Soc Trop Med Hyg** 1983;77(6):845–6

[Sensitivity of amoebae of the 'limax' group to selected antiparasitic drugs. II. Studies in vivo] Mazur T, et al. **Wiad Parazytol** 1983;29(3):263–72 (Eng. Abstr.) **(Pol)**

TOXICITY

Evaluation of the teratogenic potential in Ciba-Geigy Go 10213, a new nitroimidazole derivative: 1-methane-sulphonyl-3-(1-methyl-5-nitro-1H-imidazole imidazolidinone, an amoebicide, trichomonicide and giardicide, in giardicide, in rats. Rao RR, et al. **Toxicology** 1983 Dec;29(1–2):157–61

AMEBOMA see **AMEBIASIS**

AMELIA see **ECTROMELIA**

AMELOBLASTOMA

ANALYSIS

Oral granular cell lesions. An immunohistochemical study with emphasis on intermediate-sized filaments proteins. Slootweg P, et al. **Virchows Arch [A]** 1983;402(1):35–45

DIAGNOSIS

An uncommon neoplasm of the oral mucosa. Urmacher C, et al. **Am J Dermatopathol** 1983 Dec;5(6):601–4

[Mandibular adamantinoma. Differential diagnosis considerations] Goracci G, et al. **Minerva Stomatol** 1983 Jul-Aug;32(4):561-5 (22 ref.) (Eng. Abstr.) **(Ita)**

METABOLISM

Immunocytochemical demonstration of intermediate filaments in a granular cell ameloblastoma. de Wilde PC, et al. **J Oral Pathol** 1984 Feb;13(1):29-39

Distribution of keratin and laminin in ameloblastoma. Comparison with developing tooth and epidermoid carcinoma. Thesleff I, et al. **J Oral Pathol** 1984 Feb; 13(1):85-96

PATHOLOGY

Simple ameloblastoma with ghost cell and granular cell components. Fukushima M. **Acta Pathol Jpn** 1983 Nov; 33(6):1215-21

Ameloblastoma of the maxilla and peripheral ameloblastomas. Batsakis JG, et al. **Ann Otol Rhinol Laryngol** 1983 Sep-Oct; 92(5 Pt 1):532

Adamantinoma of the tibia. An eccrine carcinoma. Eisenstein W, et al. **Arch Pathol Lab Med** 1984 Mar;108(3):246-50

Unicystic ameloblastoma of the mandible. Stewart DJ. **Br J Oral Maxillofac Surg** 1984 Aug;22(4):307-10

Plexiform unicystic ameloblastoma. A variant of ameloblastoma with a low-recurrence rate after enucleation. Gardner DG, et al. **Cancer** 1984 Apr 15; 53(8):1730-5

Peripheral ameloblastoma. Report of a case. Schaberg SJ, et al. **Int J Oral Surg** 1983 Oct;12(5):344-7

Intrabony ameloblastoma of the jaws. An analysis of 147 Thai patients. Sirichitra V, et al. **Int J Oral Surg** 1984 Jun; 13(3):187-93

Simultaneous occurrence of an ameloblastoma and a squamous cell carcinoma of the mandible. Tucker MR, et al. **J Oral Maxillofac Surg** 1984 Feb;42(2):127-30

A study of ameloblastoma--age, sex and location statistics. Sandler KA, et al. **NY State Dent J** 1983 Nov;49(9):682, 684

Malignant ameloblastoma or ameloblastic carcinoma. Slootweg PJ, et al. **Oral Surg** 1984 Feb;57(2):168-76 (45 ref.)

[Clinical and pathologic observations on 8 cases of mural ameloblastoma] Wang SZ. **Chung Hua Kou Chiang Ko Tsa Chih** 1983 Dec;18(4):202-4 **(Chi)**

[Giant ameloblastoma. Apropos of a case of mandibular localization] Dupuis A, et al. **Rev Stomatol Chir Maxillofac** 1983;84(4):218-21 (Eng. Abstr.) **(Fre)**

[Adamantinoma of the long tubular bones. Case report of a fibular tumor] Henneking K, et al. **Chirurg** 1984 Jun; 55(6):407-10 **(Ger)**

[2 cases of pulmonary metastases of mandibular ameloblastic carcinoma] Conde J, et al. **Rev Port Estomatol Cir Maxillofac** 1983 Jul-Sep; 24(3):351-67 **(Por)**

[Adamantinoma of the tibia] Petrovichev NN, et al. **Arkh Patol** 1984;46(3):72-5 **(Rus)**

[Adamantinoma of the long tubular bones] Knysh IT. **Ortop Travmatol Protez** 1983 Sep;(7):62-3 **(Rus)**

RADIOGRAPHY

Computed tomography of mandibular ameloblastoma. Hertzanu Y, et al. **J Comput Assist Tomogr** 1984 Apr; 8(2):220-3

Radiographic characteristics of cystogenic ameloblastoma. Eversole LR, et al. **Oral Surg** 1984 May;57(5):572-7

[Recurrent ameloblastoma of the upper jaw--diagnosis] Hötzinger H, et al. **Morphol Med** 1983 Sep;3(2):89-96 (Eng. Abstr.) **(Ger)**

RADIOTHERAPY

Ameloblastoma of the jaw. A reappraisal of the role of megavoltage irradiation. Atkinson CH, et al. **Cancer** 1984 Feb 15;53(4):869-73

SECONDARY

Breast carcinoma metastatic to the mandible mimicking ameloblastoma. Yagan R, et al. **Oral Surg** 1984 Feb; 57(2):189-94

SURGERY

A pathologist's approach to the treatment of ameloblastoma. Gardner DG. **J Oral Maxillofac Surg** 1984 Mar;42(3):161-6

Ameloblastoma of the mandible treated by resection, preservation of the inferior alveolar nerve, and bone grafting. Wu TC, et al. **J Oral Maxillofac Surg** 1984 Feb; 42(2):93-6

[Mandibular restoration following resection for benign bone changes] Le van Thach, et al. **Fogorv Sz** 1984 Jul; 77(7):209-16 (Eng. Abstr.) **(Hun)**

[Clinical and pathological study of ameloblastoma. Marsupialization of ameloblastoma] Sato T. **Kokubyo Gakkai Zasshi** 1983 Dec;50(4):602-35 (Eng. Abstr.) **(Jpn)**

ULTRASTRUCTURE

An electron-microscopic and cytochemical study of follicular ameloblastoma. Cutler LS, et al. **J Oral Pathol** 1983 Dec;12(6):502-14

Ultrastructural and histochemical studies of granular-cell ameloblastoma. Nasu M, et al. **J Oral Pathol** 1984 Aug; 13(4):448-56

AMELOBLASTS

ANALYSIS

Tooth formation and the 28,000-dalton vitamin D-dependent calcium-binding protein: an immunocytochemical study. Taylor AN. **J Histochem Cytochem** 1984 Feb;32(2):159-64

CYTOLOGY

Thin-section, tracer, and freeze-fracture study of the smooth-ended maturation ameloblasts in rat incisors. Sasaki T, et al. **Acta Anat (Basel)** 1983;117(4):303-13

Cyclical uptake pattern of tetracycline in post-secretory maturation phase enamel demonstrated in rooted teeth. Boyde A, et al. **Calcif Tissue Int** 1983 Sep;35(6):762-6

Preparation of midsagittal semithin Epon sections of the entire secretory ameloblast population in the maxillary rat incisor. Winther-Nielsen H. **Scand J Dent Res** 1983 Dec; 91(6):431-8

DRUG EFFECTS

Studies of the effects of fluoroacetate on ameloblasts in rat incisor. Saitou E. **Bull Tokyo Med Dent Univ** 1984 Mar; 31(1):33-50

METABOLISM

Tracer, cytochemical, and freeze-fracture study on the mechanisms whereby secretory ameloblasts absorb exogeneous proteins. Sasaki T. **Acta Anat (Basel)** 1984; 118(1):23-33

A radioautographic study of the incorporation of iron 55 by the ameloblasts in the zone of maturation of rat incisors. Karim A, et al. **Am J Anat** 1984 Mar;169(3):327-35

The distribution of filipin-cholesterol complexes in secretory ameloblasts of rat incisor. Goldberg M, et al. **J Biol Buccale** 1984 Jun;12(2):145-56

Rat intestinal vitamin D-dependent calcium-binding protein: immunocytochemical localization in incisor ameloblasts. Taylor AN, et al. **J Dent Res** 1984 Feb;63(2):94-7

PHYSIOLOGY

Enamelin gene expression during fetal and neonatal rabbit tooth organogenesis. Zeichner-David M, et al. **Differentiation** 1983;25(2):148-55

ULTRASTRUCTURE

Quantitative analysis of rough endoplasmic reticulum approaches to the cell membrane in the secretory ameloblast of the rat incisor. McKee MD, et al. **Anat Rec** 1984 Jul;209(3):289-95

Actin filaments in the ameloblast of the rat incisor. Nishikawa S, et al. **Anat Rec** 1983 Oct;207(2):245-52

Ultrastructure and cytochemistry of the Golgi apparatus and related organelles of the secretory ameloblasts of the rat incisor. Sasaki T. **Arch Oral Biol** 1983;28(10):895-905

Endocytotic pathways at the ruffled borders of rat maturation ameloblasts. Sasaki T. **Histochemistry** 1984;80(3):263-8

Morphology and function of maturation ameloblasts in kitten tooth germs. Sasaki T. **J Anat** 1984 Mar;138 (Pt 2):333-42

A freeze-fracture study of ruffle-ended post-secretory ameloblasts. Garant PR, et al. **J Dent Res** 1984 May; 63(5):622-8

AMELOGENESIS

A radioautographic study of the incorporation of iron 55 by the ameloblasts in the zone of maturation of rat incisors. Karim A, et al. **Am J Anat** 1984 Mar;169(3):327-35

A histological and biochemical study of the effect of vitamin C-deficiency on induction of amelogenesis in hamster molars in vitro. Bronckers AL. **Arch Oral Biol** 1983; 28(8):681-92

Energy-dispersive X-ray microanalysis and scanning electron microscopy of developing and mature cat enamel. Sasaki T, et al. **Arch Oral Biol** 1984;29(6):431-6

Cyclical uptake pattern of tetracycline in post-secretory maturation phase enamel demonstrated in rooted teeth. Boyde A, et al. **Calcif Tissue Int** 1983 Sep;35(6):762-6

Tooth formation and the 28,000-dalton vitamin D-dependent calcium-binding protein: an immunocytochemical study. Taylor AN. **J Histochem Cytochem** 1984 Feb;32(2):159-64

[Experimental research on hard tissue formation. Demonstration of the mnemonic role of extracellular matrices of bone, dentin and enamel] Durchon M, et al. **Actual Odontostomatol (Paris)** 1984 Jun;146:319-38 (Eng. Abstr.) **(Fre)**

[Enamel formation in Takydromus tachydromoides] Shikano T, et al. **Kokubyo Gakkai Zasshi** 1983 Dec;50(4):655 **(Jpn)**

AMELOGENESIS IMPERFECTA

PATHOLOGY

[Amelogenesis imperfecta. Scanning electron and polarization microscopy observations] Brusotti C, et al. **Minerva Stomatol** 1984 May-Jun;33(3):425-36 (Eng. Abstr.) **(Ita)**

AMENORRHEA

BLOOD

Hyperprolactinemia, amenorrhea, and galactorrhea. A retrospective assessment of twenty-five cases. Koppelman MC, et al. **Ann Intern Med** 1984 Jan;100(1):115-21

Catecholamines and pituitary function. I. Effects of catecholamine synthesis inhibition and subsequent catecholamine infusion on gonadotropin and prolactin serum levels in normal cycling women and in women with hyperprolactinemic amenorrhea. Nicoletti I, et al. **Horm Res** 1984;19(3):158-70

Changes of serum protein and immunoglobulins in ovarian agenesis. Hung TC, et al. **Int J Gynaecol Obstet** 1983 Oct; 21(5):403-7

Gonadotropin and prolactin pulsations in hyperprolactinemic women before and during bromocriptine therapy. Klibanski A, et al. **J Clin Endocrinol Metab** 1984 Jun;58(6):1141-7

Endocrine comparison of obese menstruating and amenorrheic women. Zhang YW, et al. **J Clin Endocrinol Metab** 1984 Jun;58(6):1077-83

Secondary amenorrhea with hyperprolactinemia. A report of 2 cases. Rojanasakul A, et al. **J Med Assoc Thai** 1983 Jun;66(6):352-5

Variable clinical and hormonal manifestations of hyperandrogenemia. McKenna TJ, et al. **Metabolism** 1984 Aug;33(8):714-7

[Hyperprolactinemia in relation to galactorrhea and amenorrhea] Zhang LZ. **Chung Hua Fu Chan Ko Tsa Chih** 1983 Oct;18(4):218-21 (Eng. Abstr.) **(Chi)**

[Serum levels gonadotropic hormones in adolescent girls with psychogenic amenorrhea] Slin'ko LI, et al. **Akush Ginekol (Mosk)** 1983 Jul;(7):16-7 (Eng. Abstr.) **(Rus)**

[Prolactin, hydrocortisone and corticosterone content of the peripheral blood of patients with the galactorrhea-amenorrhea syndrome] Bol'shakova TD, et al. **Probl Endokrinol (Mosk)** 1984 May-Jun;30(3):15-8 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Post danazol amenorrhoea. Fraser IS. **Clin Reprod Fertil** 1983 Sep;2(3):229-33

Persistent amenorrhea following discontinuation of danazol therapy. Peress MR. **Fertil Steril** 1984 Feb;41(2):322-3

CLASSIFICATION

[Classification of amenorrhea in adolescent girls] Bogdanova EA. **Akush Ginekol (Mosk)** 1983 Jul;(7):13-6 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Chronic hydrocephalus and primary amenorrhea with partial deficiency of gonadotropin-releasing factor. Phansey SA, et al. **Fertil Steril** 1984 Jul;42(1):137-9

Menarche and puberty in daughters of amenorrheic women. Ben-Rafael Z, et al. **JAMA** 1983 Dec 16;250(23):3202-4

A case of amenorrhea and decreased vision. Brosco F, et al. **RI Med J** 1984 May;67(5):241-2

Giant cerebral Echinococcus cyst with galactorrhea and amenorrhea. Tiberin P, et al. **Surg Neurol** 1984 May; 21(5):505-6

[Endocrine studies of juvenile amenorrhea associated with ovarian androblastoma] Himeno R, et al. **Horumon To Rinsho** 1983 Dec;31(12):1197-202 **(Jpn)**

[Case of acute polyradiculoneuropathy with various autonomic symptoms and amenorrhea-galactorrhea syndrome] Matsui M, et al. **Rinsho Shinkeigaku** 1983 Jun; 23(6):526-30 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Review of 59 patients with hypergonadotrophic amenorrhoea. Menon V, et al. **Br J Obstet Gynaecol** 1984 Jan;91(1):63-6

The diagnostic evaluation and therapy of secondary amenorrhea. Hansen AM, et al. **JOGN Nurs** 1984 May-Jun; 13(3):180-4

[Amenorrhea. Part 1. Primary amenorrhea] Bolté E, et al. **Union Med Can** 1983 Oct;112(10):974-5 **(Fre)**

[Diagnostic significance of LH-RH two step test in women with normoestrogenic amenorrhea: analysis of the self-priming effect of the anterior pituitary glands] Takahashi M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 May; 36(5):755-62 (Eng. Abstr.) **(Jpn)**

[Study on human pituitary gonadotropin synthesis and release in amenorrhea and anovulation by LH-RH two step test] Yokokura T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 May; 36(5):719-26 (Eng. Abstr.) **(Jpn)**

DRUG THERAPY

Bromocriptine for induction of ovulation in hyperprolactinemic amenorrhea. Nillius SJ. **Acta Eur Fertil** 1984 Mar-Apr;15(2):83-91

Ovulation and pregnancy after pulsatile administration of gonadotropin releasing hormone. Berg D, et al. **Arch Gynecol** 1983;233(3):205-10

Hyperprolactinaemic amenorrhoea in Hong Kong. Tang LC, et al. **Aust N Z J Obstet Gynaecol** 1983 Aug;23(3):165-9

Induction of ovulation with pulsatile luteinising hormone releasing hormone. Mason P, et al. **Br Med J [Clin Res]** 1984 Jan 21;288(6412):181-5

Cycle initiation in amenorrhoea; the effect of progesterone and oestrogen administration on the pulsatile release of gonadotrophins. El Sheikh MA, et al. **Clin Endocrinol (Oxf)** 1984 Jan;20(1):9-21

Ovulation induction with pulsatile gonadotrophin releasing hormone (GnRH). Keogh EJ, et al. **Clin Reprod Fertil** 1983 Sep;2(3):175-89

Frequency-varied versus unvaried pulsatile LH-RH substitution in hypothalamic amenorrhea. Hanker JP, et al. **Eur J Obstet Gynecol Reprod Biol** 1984 May; 17(2-3):103-19

A quadruplet pregnancy following ovulation induction with pulsatile luteinizing hormone-releasing hormone. Heineman MJ, et al. **Fertil Steril** 1984 Aug;42(2):300-2

Ovulation induction with subcutaneous pulsatile gonadotropin-releasing hormone: singleton pregnancies in patients with previous multiple pregnancies after gonadotropin therapy. Hurley DM, et al. **Fertil Steril** 1983 Nov;40(5):575-9

Metergoline in the management of normoprolactinemic secondary amenorrhea. A multicentric controlled trial. Fadini R, et al. **Gynecol Obstet Invest** 1984;17(1):47-53

Effects of short-term treatment with gonadotropin-releasing hormone (GnRH) or ethinyl estradiol on the pituitary responsiveness to GnRH. Rozenman D, et al. **Gynecol Obstet Invest** 1983;16(3):147-59

Pulsatile administration of low-dose gonadotropin-releasing hormone. Ovulation and pregnancy in women with hypothalamic amenorrhea. Miller DS, et al. **JAMA** 1983 Dec 2;250(21):2937-41

Bromocriptine-induced pregnancies in the amenorrhoea-galactorrhoea syndrome. Mustaffa BE, et al. **Med J Malaysia** 1983 Sep;38(3):237-43

Induction of ovulation and fertility in amenorrheic women by pulsatile low-dose gonadotropin-releasing hormone. Hurley DM, et al. **N Engl J Med** 1984 Apr 26; 310(17):1069-74

An overview of LHRH and its analogues: clinical uses. Crowley WF Jr. **Ups J Med Sci** 1984;89(1):3-12

Pulsatile administration of Gn-RH in hypothalamic amenorrhea. Leyendecker G, et al. **Ups J Med Sci** 1984; 89(1):19-32

The role of subcutaneous luteinising hormone releasing hormone in the induction of ovulation. Mason WP, et al. **Ups J Med Sci** 1984;89(1):33-7

Subcutaneous pulsatile LH-RH therapy of secondary amenorrhoea. Nillius SJ, et al. **Ups J Med Sci** 1984; 89(1):53-60

[Treatment of amenorrhea due to hypothalamo-pituitary disorders by 'tonifying the kidney and resolving phlegm'] Yu J. **Chung Hsi I Chieh Ho Tsa Chih** 1983 Jul;3(4):203-6 (Eng. Abstr.) (Chi)

[Pulsatile therapy of hypothalamic amenorrhea with gonadotropin releasing hormone] Leyendecker G, et al. **Dtsch Med Wochenschr** 1984 Mar 23;109(12):462-5 (23 ref.) (Ger)

[Treatment of hyperprolactinemic amenorrhea by pulsatile administration of gonadotropin-releasing hormone] Berg D, et al. **Geburtshilfe Frauenheilkd** 1983 Nov;43(11):686-8 (Eng. Abstr.) (Ger)

[Clinical experiences with the prolactin-inhibiting serotonin antagonist metergoline] Schneider WH, et al. **Wien Klin Wochenschr** 1983 Jun 24;95(13):452-5 (Eng. Abstr.) (Ger)

[Induction of ovulation and conception following chronic administration of GnRH in hypothalamic amenorrhea] Vagman I, et al. **Harefuah** 1984 Jan 15;106(2):57-61 (Eng. Abstr.) (Heb)

[Induction of ovulation with pulsatile LHRH in anovulatory women] Masaoka K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Jun;36(6):937-46 (Eng. Abstr.) (Jpn)

[Gonadotropins in the treatment of endocrine infertility] Manuilova IA, et al. **Akush Ginekol (Mosk)** 1984 Feb; (2):40-2 (Eng. Abstr.) (Rus)

ETIOLOGY

TSH-containing pituitary adenoma associated with primary hypothyroidism manifested by amenorrhoea and galactorrhoea. Wajchenberg BL, et al. **Acta Endocrinol (Copenh)** 1984 May;106(1):61-6

Arachnoid cyst as a cause of the amenorrhea-galactorrhea syndrome. London SN, et al. **Am J Obstet Gynecol** 1984 May 1;149(1):87-8

Anorexia nervosa [letter] Brincat M, et al. **Br Med J [Clin Res]** 1983 Oct 29;287(6401):1306

Hyperprolactinemic amenorrhea. Gangemi M. **Clin Exp Obstet Gynecol** 1984;11(3):110-2

Amenorrhea (excluding hyperprolactinemia). Marut EL, et al. **Clin Obstet Gynecol** 1983 Sep;26(3):749-61 (94 ref.)

The embryology and endocrinology of primary amenorrhoea: a study of one hundred and forty patients. Shearman RP, et al. **Clin Reprod Fertil** 1982 Jun;1(2):117-30 (60 ref.)

Effects of undernutrition on reproductive function in the human. Warren MP. **Endocr Rev** 1983 Fall;4(4):363-77 (148 ref.)

The effect of increased cardiac output on luteal phase gonadal steroids: a hypothesis for runners amenorrhea. Casper RF, et al. **Fertil Steril** 1984 Mar;41(3):364-8

Sex hormones in amenorrheic women with alcoholic liver disease. Välimäki M, et al. **J Clin Endocrinol Metab** 1984 Jul;59(1):133-8

Reproductive effects of aerobic exercise in women. Massey JB. **J Med Assoc Ga** 1984 Jul;73(7):457-9

Latest clue to exercise-induced amenorrhea [news] Ziporyn T. **JAMA** 1984 Sep 14;252(10):1258-9, 1263

Diet in athletic amenorrhoea [letter] Brooks SM, et al. **Lancet** 1984 Mar 10;1(8376):559-60

Amenorrhoea, vegetarianism, and/or low fat [letter] Frisch RE. **Lancet** 1984 May 5;1(8384):1024

Amenorrhoea in vegetarian athletes [letter] Slavin J, et al. **Lancet** 1984 Jun 30;1(8392):1474-5

Clinical disorders in patients with hyperprolactinaemia. Experience with 59 patients. Grunstein H, et al. **Med J Aust** 1984 Jan 21;140(2):64-9

Female Kallmann's syndrome. Lentz SS, et al. **NC Med J** 1983 Nov;44(11):709-11

A cost perspective on a case report. Linfors EW. **NC Med J** 1983 Nov;44(11):697-8

Amenorrhea-galactorrhea, hyperprolactinemia, and suprasellar pituitary enlargement as presenting features of primary hypothyroidism. Groff TR, et al. **Obstet Gynecol** 1984 Mar;63(3 Suppl):86S-89S

[Postpartum amenorrhea--etiologic studies] Zhekova V, et al. **Akush Ginekol (Sofiia)** 1983;22(2):155-8 (Eng. Abstr.) (Bul)

[Gonadotropin-resistant ovary syndrome and Wilson's disease. A case] Hartemann P, et al. **Rev Med Interne** 1983 Dec;4(4):353-5 (Fre)

[Association of stenosis of the aqueduct of Sylvius, empty sella turcica and primary amenorrhea] Bousigue JY, et al. **Rev Otoneuroophtalmol** 1984 Jan-Feb;56(1):31-4 (Eng. Abstr.) (Fre)

[A rare cause of amenorrhea: stenosis of the aqueduct of Sylvius. Apropos of 3 cases. Cure by ventriculo-atrial shunt] Turpin G, et al. **Sem Hop Paris** 1983 Sep 29; 59(34):2369-72 (Eng. Abstr.) (Fre)

[Amenorrhea. 2: Secondary amenorrhea] Bolté E, et al. **Union Med Can** 1983 Nov;112(11):1078-9 (Fre)

[Analysis of patients with amenorrhea and galactorrhea at a neurosurgical output patient clinic] Sato O, et al. **Horumon To Rinsho** 1983 Jul;31(7):651-3 (Jpn)

[2 cases of Rathke's cleft cyst with amenorrhea-galactorrhea syndrome] Teramoto A, et al. **Horumon To Rinsho** 1983 Jul;31(7):645-50 (Jpn)

[Parasellar cavernous hemangioma presenting with hyperprolactinemia. Case report] Shimabukuro H, et al. **Neurol Med Chir (Tokyo)** 1984 Mar;24(3):212-6 (Eng. Abstr.) (Jpn)

[Amenorrhea due to weight loss] Nakamura Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 May; 36(5):727-35 (Eng. Abstr.) (Jpn)

[Amenorrhea-galactorrhea and hyperprolactinemia as indicators of the presence of pituitary adenoma - prolactinoma] Teter J, et al. **Pol Tyg Lek** 1983 May 2; 38(18):553-7 (Eng. Abstr.) (Pol)

[Primary amenorrhea: clinical aspects, diagnosis, therapy] Krymskaia ML, et al. **Akush Ginekol (Mosk)** 1984 May; (5):70-7 (Rus)

[Deficiency of 17 alpha-hydroxylase. Presentation of 3 new cases] Gómez Sáez JM, et al. **Med Clin (Barc)** 1984 Mar 10;82(9):407-9 (Eng. Abstr.) (Spa)

FAMILIAL & GENETIC

Cytogenic investigation of 103 patients with primary or secondary amenorrhea. Opitz O, et al. **Hum Genet** 1983; 65(1):46-7

Cytogenetic studies in primary amenorrhoea. Mulye V, et al. **Indian J Med Res** 1983 Jul;78:53-8

Primary amenorrhea and virilization in a true hermaphrodite with a rare dicentric Y chromosome. Sloan MS, et al. **Obstet Gynecol** 1984 Sep;64(3 Suppl):64S-67S

METABOLISM

Decreased spinal mineral content in amenorrheic women. Cann CE, et al. **JAMA** 1984 Feb 3;251(5):626-9

Bone mineral content of amenorrheic and eumenorrheic athletes. Drinkwater BL, et al. **N Engl J Med** 1984 Aug 2;311(5):277-81

The effects of opiate antagonism on gonadotropin secretion in children and in women with hypothalamic amenorrhea. Sauder SE, et al. **Pediatr Res** 1984 Apr;18(4):322-8

[Histochemical characteristics of the endometrium in patients with uterine forms of amenorrhea and hypo-oligomenorrhea] Mogil'naia GM, et al. **Akush Ginekol (Mosk)** 1984 May;(5):36-9 (Eng. Abstr.) (Rus)

[Gonadotropic function of the pituitary and serotonin metabolism among patients with amenorrhea of central origin] Shikaeva FV, et al. **Akush Ginekol (Mosk)** 1983 Sep;(9):13-5 (4 ref.) (Eng. Abstr.) (Rus)

PATHOLOGY

The value of laparoscopic visualization in patients with primary amenorrhea. Rojanaskul A, et al. **J Med Assoc Thai** 1983 Nov;66(11):688-95

[Galactorrhea-amenorrhea syndrome in primary hypothyroidism] Kotova LN, et al. **Akush Ginekol (Mosk)** 1984 Feb;(2):69-70 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

Evidence of altered dopaminergic modulation of Prl, LH and TSH secretion in patients with normoprolactinaemic amenorrhoea. Hagen C, et al. **Acta Endocrinol (Copenh)** 1984 May;106(1):8-14

Pituitary response to insulin-induced hypoglycemia in patients with amenorrhea of different etiologies. Morente C, et al. **Am J Obstet Gynecol** 1984 Feb 15;148(4):375-80

The action of clomiphene in stress-induced amenorrhea. Rowe TC, et al. **Am J Obstet Gynecol** 1984 Mar 1; 148(5):613-6

Determination of pathophysiological mechanisms in subjects with amenorrhoea and their value in predicting ovulation induction therapy. Shaw RW. **Clin Reprod Fertil** 1982 Sep; 1(3):219-27

Lack of consistency in the indirect methods of estimating percent body fat. Cumming DC, et al. **Fertil Steril** 1984 May;41(5):739-42

Hypothalamic function in amenorrheic runners. Dixon G, et al. **Fertil Steril** 1984 Sep;42(3):377-83

Ovulation induction and pregnancy in hypothalamic amenorrhea using self-administered intravenous gonadotropin-releasing hormone. Goerzen J, et al. **Fertil Steril** 1984 Feb;41(2):319-21

Ovarian function in amenorrheic and menstruating users of a levonorgestrel-releasing intrauterine device. Nilsson CG, et al. **Fertil Steril** 1984 Jan;41(1):52-5

Prolactin and adrenal androgens [letter] Varma MM, et al. **Fertil Steril** 1983 Dec;40(6):849

Ovulation induction with subcutaneous pulsatile gonadotropin-releasing hormone: the role of supplemental human chorionic gonadotropin in the luteal phase. Weinstein FG, et al. **Fertil Steril** 1984 Apr;41(4):546-50

Body composition of oligo/amenorrheic athletes. Carlberg KA, et al. **Med Sci Sports Exerc** 1983;15(3):215-7

Reversibility of amenorrhea in athletes [letter] Stager JM, et al. **N Engl J Med** 1984 Jan 5;310(1):51-2

Nutritional thriftiness and human reproduction: beyond the critical body composition hypothesis. Quandt SA. **Soc Sci Med** 1984;19(2):177-82

[Endocrine function of the reproductive system in girls with amenorrhea and weight loss] Dolzhenko IS. **Akush Ginekol (Mosk)** 1983 Jul;(7):17-9 (Eng. Abstr.) (Rus)

[Cerebral functions in women with secondary amenorrhea of central genesis] Solov'eva AD, et al. **Akush Ginekol (Mosk)** 1983 Jul;(7):58-61 (Rus)

[State of cerebral functions in the persistent lactorrhea-amenorrhea syndrome] Filatova EG, et al. **Probl Endokrinol (Mosk)** 1983 Nov-Dec;29(6):37-42 (Eng. Abstr.) (Rus)

PSYCHOLOGY

Psychological, hormonal, and weight disturbances in functional amenorrhea. Brown E, et al. **Can J Psychiatry** 1983 Dec;28(8):624-8

[Influence of bromocriptine therapy on the sex behavior of amenorrheic patients] Vacchino R, et al. **Minerva Ginecol** 1983 Dec;35(12):809-15 (Eng. Abstr.) (Ita)

THERAPY

[Primary amenorrhea caused by primary hypothalamic insufficiency. Ovulation induction and pregnancy after pulsatile administration of gonadotropin releasing hormone by a programmed pump (letter)] Fenichel P, et al. **Presse Med** 1984 Mar 31;13(14):884-5 (Fre)

AMERICAN CANCER SOCIETY see under **VOLUNTARY HEALTH AGENCIES**

AMERICAN DENTAL ASSOCIATION

American Dental Association Library [letter] Kowitz A. **Bull Med Libr Assoc** 1984 Apr;72(2):217

Agreement between the ADA and the Health Insurance Association of America for acceptance of claim forms without signatures. Council on Dental Care Programs. **J Am Dent Assoc** 1984 Feb;108(2):239-40

Decision 84: ADA's proposed paid public education program. **J Am Dent Assoc** 1984 May;108(5):740-8

Annual report of membership in the American Dental Association: January 1984. Data Processing Department. **J Am Dent Assoc** 1984 May;108(5):803, 805, 807 passim

American Dental Association Principles of Ethics and Code of Professional Conduct with official advisory opinions revised to May 1984. Council on Bylaws and Judicial Affairs. **J Am Dent Assoc** 1984 Jul;109(1):81-3

Organized dentistry and the pursuit of entry control. Fraundorf KC. **J Health Polit Policy Law** 1984 Winter;

8(4):759–81
The DSSNY sponsors its ADA trustee for president-elect (Abraham Kobren). Tillis BP. **NY State Dent J** 1983 Dec; 49(10):752–3

HISTORY

American Dental Association 1918–1928.
J Am Dent Assoc 1984 Apr;108(4):515–9, 522
American Dental Association 1859–1880.
J Am Dent Assoc 1984 Apr;108(4):479–89, 492
American Dental Association 1929–1945.
J Am Dent Assoc 1984 Apr;108(4):527–33, 535–6
American Dental Association 1881–1917.
J Am Dent Assoc 1984 Apr;108(4):497–510
American Dental Association 1963–1984.
J Am Dent Assoc 1984 Apr;108(4):561–71, 574–9
American Dental Association 1946–1962.
J Am Dent Assoc 1984 Apr;108(4):541–51, 554–6

AMERICAN HEART ASSOCIATION see under VOLUNTARY HEALTH AGENCIES

AMERICAN HOSPITAL ASSOCIATION

ORGANIZATION & ADMINISTRATION

AHA committee studies ethical dilemmas. **Hospitals** 1984 May 16;58(10):50
Nursing administrators to restructure. **Hospitals** 1984 Jul 16; 58(14):82, 84
American Hospital Association. Directory of officers, trustees, councils, and committees for 1984. **Hospitals** 1984 Feb 16;58(4):73–80
Trying to balance reality and ethics. Friedman E. **Hospitals** 1984 Sep 16;58(18):91–4, 97
Facing the future. AHA changes to meet hospitals' future needs. Richards G. **Hospitals** 1984 Jan 16;58(2):104, 107, 109

AMERICAN MEDICAL ASSOCIATION

The AMA's role in the development of medical education [letter] Sammons JH. **Ann Surg** 1984 Jul;200(1):100–1
AMA gives economic 'swimming lessons' to private practice physicians. Fowler F. **Colo Med** 1984 Jan;81(1):13–4
Medical evaluations of healthy persons. **Conn Med** 1984 Jul; 48(7):465–8
Payment for physicians' services. AMA Council on medical service. **Conn Med** 1983 Oct;47(10):633–41
An inside look at the health policy agenda. Petrie SJ. **Conn Med** 1984 May;48(5):309–10
Drug abuse prevention: what the AMA Auxiliary has to offer. Bolling G. **J Fla Med Assoc** 1984 Apr;71(4):249–50
AMA's response to the problem of prescription drug abuse. Skom JH. **J Fla Med Assoc** 1984 Apr;71(4):244–8
New physician payment system. AMA Council on Medical Service. **J Med Assoc Ga** 1983 Aug;72(8):539–46
AMA principles of medical ethics. **J Med Soc NJ** 1984 Jan; 81(1):31–3
Message from the American Medical Association. Boyle JF. **J Med Soc NJ** 1983 Nov;80(11):951–2
New physician payment system. AMA Council on Medical Service. **J Miss State Med Assoc** 1983 Oct;24(10):269–277
Interview with Frank Jirka, MD, president of the American Medical Association. Jirka F. **J Natl Med Assoc** 1984 Jul; 76(7):689–91
Officers and members of the House of Delegates of the American Medical Association. **JAMA** 1984 Apr 6; 251(13):1691–1702
Recent opinions of the Judicial Council of the American Medical Association. **JAMA** 1984 Apr 27;251(16):2078–9
Officers and members of the House of Delegates of the American Medical Association. **JAMA** 1984 Oct 5; 252(13):1701–11
JAMA reference directories. **JAMA** 1983 Oct 28; 250(16):2117, 2121–4
JAMA reference directories. **JAMA** 1984 Jan 20; 251(3):328–9,332
Antitrust and medical ethics. Hirsh BD. **JAMA** 1983 Nov 25;250(20):2759–60
How the AMA views government's health care proposals. Bristow LR. **Mich Med** 1984 Feb;83(8):82–4
Should the AMA support an indemnity system of payment for physicians' services? Glasson J. **NC Med J** 1983 Sep; 44(9):577–9
Future trends in medicine. Rial WY. **Penn Med** 1983 Jun; 86(6):32, 34
The American Medical Association and technology assessment. Smith WJ. **RI Med J** 1984 Mar;67(3):113–5

HISTORY

One hundred years of American medicine. Jirka FJ Jr. **J Tenn Med Assoc** 1983 Jul;76(7):450–1

AMERICAN NURSES' ASSOCIATION

Collective bargaining among nurses: current issues and future prospects. Numerof RE, et al. **Health Care Manage Rev** 1984 Spring;9(2):61–7

ORGANIZATION & ADMINISTRATION

Organizing for power: the debate goes on [letter] Callan ME. **Nurse Pract** 1984 Mar;9(3):74

AMERICIUM

ADMINISTRATION & DOSAGE

[Carcinogenic efficacy of the transuranium elements americium-241 and curium-244] Rudnitskaia EI. **Radiobiologia** 1984 Jan-Feb;24(1):96–8 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

1976 Hanford americium exposure incident. **Health Phys** 1983 Oct;45(4):837–947
1976 Hanford americium exposure incident: decontamination and treatment facility. Berry JR, et al. **Health Phys** 1983 Oct;45(4):883–92
1976 Hanford americium exposure incident: medical management and chelation therapy. Breitenstein BD. **Health Phys** 1983 Oct;45(4):855–66
1976 Hanford americium exposure incident: psychological aspects. Brown WR. **Health Phys** 1983 Oct;45(4):867–71
1976 Hanford americium exposure incident: histologic and autoradiographic observations on skin. Hampton JC. **Health Phys** 1983 Oct;45(4):933–5
1976 Hanford americium exposure incident: external decontamination procedures. Jech JJ, et al. **Health Phys** 1983 Oct;45(4):873–81
1976 Hanford americium exposure incident: urinary excretion of trace metals during DTPA treatments. Kalkwarf DR, et al. **Health Phys** 1983 Oct;45(4):937–47
1976 Hanford americium exposure incident: accident description. McMurray BJ. **Health Phys** 1983 Oct; 45(4):847–53
1976 Hanford americium exposure incident: in vivo measurements. Palmer HE, et al. **Health Phys** 1983 Oct; 45(4):893–910
1976 Hanford americium exposure incident: hematologic effects. Ragan HA, et al. **Health Phys** 1983 Oct; 45(4):923–32
1976 Hanford americium exposure incident: organ burden and radiation dose estimates. Robinson B, et al. **Health Phys** 1983 Oct;45(4):911–21
1976 Hanford americium exposure incident: overview and perspective. Thompson RC. **Health Phys** 1983 Oct; 45(4):837–45

ANALYSIS

Further studies of plutonium and americium at Thule, Greenland. Aarkrog A, et al. **Health Phys** 1984 Jan; 46(1):29–44
241Am and plutonium in Japanese rice-field surface soils. Yamamoto M, et al. **J Radiat Res (Tokyo)** 1983 Sep; 24(3):237–49
241-Am in the beagle skeleton: microdistribution and local dosimetry. Polig E, et al. **Radiat Environ Biophys** 1984; 23(2):121–5
Long-term distribution of 239-Pu, 241-Am, and 233-U in the various bones of the skeleton of adult rats. Sontag W. **Radiat Environ Biophys** 1984;23(2):117–20
Studies on transformations of plutonium-239 and americium-241 in three major Indian soils. Vyas BN, et al. **Sci Total Environ** 1984 Jan 13;32(2):183–95

METABOLISM

Decorporation of inhaled americium-241 dioxide and nitrate from hamsters using ZnDTPA and Puchel. Stradling GN, et al. **Health Phys** 1984 Jun;46(6):1296–300
DTPA is superior to its lipophilic derivative Puchel in removing 234Th, 238,239Pu and 241Am from Chinese hamsters and rats. Volf V, et al. **Health Phys** 1984 Feb; 46(2):422–6
Microdistribution and localized dosimetry of 241Am in bones of beagle dogs. Polig E, et al. **Int J Radiat Biol** 1984 Aug; 46(2):143–60
Effect of drinking Zn-DTPA on 238-Pu and 241-Am in rat bones. Volf V. **Radiat Environ Biophys** 1984;23(2):141–3
Removal of Pu and am from beagles and mice by 3,4,3-LICAM(C) or 3,4,3-LICAM(S). Lloyd RD, et al. **Radiat Res** 1984 Jul;99(1):106–28
Comparative studies on the lysosomal association of monomeric 239Pu and 241Am in rat and Chinese hamster liver: analysis with sucrose, metrizamide, and Percoll density gradients of subcellular binding as dependent on time. Sütterlin U, et al. **Radiat Res** 1984 May;98(2):293–306
[Kinetics of americium metabolism in prolonged body uptake in rats] Moskalev IuI, et al. **Radiobiologiia** 1984 Jan-Feb; 24(1):99–100 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Radiosensitivity of vertebral bone marrow CFU-S surviving in mice internally contaminated with 239Pu or 241Am. Svoboda V, et al. **Radiat Environ Biophys** 1984;23(1):41–50

TOXICITY

Radiosensitivity and proliferative activity of vertebral CFU-S surviving in mice injected with oncogenic activities of 239Pu or 241Am. Svoboda V, et al.
J Hyg Epidemiol Microbiol Immunol 1983;27(3):329–35
Effect of 241-Am on bone fibroblasts. Van den Heuvel RL, et al. **Radiat Environ Biophys** 1984;23(2):137–40

AMERINDS, CENTRAL AMERICAN see INDIANS, CENTRAL AMERICAN

AMERINDS, NORTH AMERICAN see INDIANS, NORTH AMERICAN

AMERINDS, SOUTH AMERICAN see INDIANS, SOUTH AMERICAN

AMETHOCAINE see TETRACAINE

AMETHOPTERIN see METHOTREXATE

AMETROPIA see REFRACTIVE ERRORS

AMFEPRAMON see DIETHYLPROPION

AMIDASES see AMIDOHYDROLASES

AMIDAZINE see ETHIONAMIDE

AMIDES

1H NMR of glycosaminoglycans and hyaluronic acid oligosaccharides in aqueous solution: the amide proton environment. Cowman MK, et al.
Arch Biochem Biophys 1984 Apr;230(1):203–12
Computer simulation of the conformational properties of retro-inverso peptides. I. Empirical force field calculations of rigid and flexible geometries of N-acetylglycine-N'-methylamide, bis(acetamido) methane, and N,N'-dimethylmalonamide and their corresponding C alpha-methylated analogs. Stern PS, et al. **Biopolymers** 1983 Aug;22(8):1885–900
Computer simulation of the conformational properties of retro-inverso peptides. II. Ab initio study, spatial electron distribution, and population analysis of N-formylglycine methylamide, N-formyl N'-acetyldiaminomethane, and N-methylmalonamide. Stern PS, et al. **Biopolymers** 1983 Aug;22(8):1901–7
Exchange behavior of the H-bonded amide protons in the 3 to 13 helix of ribonuclease S. Kuwajima K, et al.
J Mol Biol 1983 Sep 5;169(1):299–323
Nature and locations of the most slowly exchanging peptide NH protons in residues 1 to 19 of ribonuclease S. Kuwajima K, et al. **J Mol Biol** 1983 Sep 5;169(1):281–97

ADVERSE EFFECTS

Hepatitis in leprosy patients treated by a daily combination of dapsone, rifampin, and a thioamide. Cartel JL, et al. **Int J Lepr** 1983 Dec;51(4):461–5
Hypersensitivity to amide local anesthetics? Report of a case. Milam SB, et al. **Oral Surg** 1983 Dec;56(6):593–6

BIOSYNTHESIS

The amidating enzyme in pituitary will accept a peptide with C-terminal D-alanine as substrate. Landymore-Lim AE, et al. **Biochem Biophys Res Commun** 1983 Nov 30; 117(1):289–93

CHEMICAL SYNTHESIS

Potential antiarrhythmic agents. I. Antiarrhythmic activity of basic N-(alpha, alpha-dimethylbenzyl)acylamines. Akerman B, et al. **Acta Pharm Suec** 1984;21(2):103–8
Synthesis and anticonvulsant activity of some substituted lactams and amides. Brouillette WJ, et al. **J Med Chem** 1984 Feb;27(2):202–6
[Thioamide derivatives with gastro-protective activity] Bousquet E, et al. **Farmaco [Sci]** 1983 Oct;38(10):811–6 (Eng. Abstr.) **(Ita)**

DIAGNOSTIC USE

An improved staining technique for acetylcholinesterase activity using rubeanic acid in the diagnosis of Hirschsprung's disease. Goto S, et al. **Jpn J Surg** 1984 Mar; 14(2):135–8

METABOLISM

Evidence of a peptide backbone contribution toward selective receptor recognition for leucine enkephalin thioamide analogs. Clausen K, et al.
Biochem Biophys Res Commun 1984 Apr 16;120(1):305–10
Hydrolysis of ester- and amide-type drugs by the purified isoenzymes of nonspecific carboxylesterase from rat liver. Mentlein R, et al. **Biochem Pharmacol** 1984 Apr 15; 33(8):1243–8
Oxidation of thiobenzamide by the FAD-containing and cytochrome P-450-dependent monooxygenases of liver and lung microsomes. Tynes RE, et al.
Biochem Pharmacol 1983 Nov 15;32(22):3419–28
Peptide alpha-amidation activity in mouse anterior pituitary AtT-20 cell granules: properties and secretion. Mains RE, et al. **Endocrinology** 1984 May;114(5):1522–30
Characterization of a peptide alpha-amidation activity from rat anterior pituitary. Glembotski CC, et al.
J Biol Chem 1984 May 25;259(10):6385–92

PHARMACODYNAMICS

Bacteriostatic and fungostatic action of catecholamide iron chelators. Bergeron RJ, et al. **Antimicrob Agents Chemother** 1983 Nov;24(5):725–30

Kinetics of inhibition of ethanol metabolism in rats and the rate-limiting role of alcohol dehydrogenase. Plapp BV, et al. **Arch Biochem Biophys** 1984 Apr;230(1):30–8

Inhibition of collagenase from Clostridium histolyticum by phosphoric and phosphonic amides. Galardy RE, et al. **Biochemistry** 1983 Sep 13;22(19):4556–61

Promotive effects of thiobenzamide on liver carcinogenesis. Malvaldi G, et al. **Gann** 1983 Aug;74(4):469–71

Selective inhibition of acyl coenzyme A:cholesterol acyltransferase by compound 58–035. Ross AC, et al. **J Biol Chem** 1984 Jan 25;259(2):815–9

[Quantitative structure–activity analysis of thiobenzamides] Waisser K, et al. **Pharmazie** 1983 Dec;38(12):874–6 (Eng. Abstr.) (Ger)

TOXICITY

Biliary cirrhosis and tumors induced by chronic administration of thiobenzamide to rats. Malvaldi G, et al. **Arch Toxicol** 1984 Mar;55(1):34–8

Reactive forms of aromatic amines and amides: chemical and structural features in relation to carcinogenesis. Kriek E. **Prog Clin Biol Res** 1983;132B:161–74

Methimazole-induced modulation of thiobenzamide bioactivation and toxicity. Chieli E, et al. **Toxicol Lett** 1983 Aug;18(1–2):147–52

AMIDINES

Synthesis of affinity-label chelates: a novel synthetic method of coupling ethylenediaminetetraacetic acid to amine functional groups. Haner M, et al. **Arch Biochem Biophys** 1984 Jun;231(2):477–86

Diamidino yellow dihydrochloride (DY . 2HCl); a new fluorescent retrograde neuronal tracer, which migrates only very slowly out of the cell. Keizer K, et al. **Exp Brain Res** 1983;51(2):179–91

New fluorimetric determination of 17-hydroxycorticosteroids after high-performance liquid chromatography using post-column derivatization with benzamidine. Seki T, et al. **J Chromatogr** 1984 Jan 13; 305(1):188–93

A theoretical study of the nonintercalative binding of berenil and stilbamidine to double-stranded (dA–dT)n oligomers. Gresh N, et al. **Mol Pharmacol** 1984 May;25(3):452–8

ADVERSE EFFECTS

Pentamidine and hypoglycemia [letter] **Ann Intern Med** 1983 Dec;99(6):879

Pentamidine and hypoglycemia [letter] Ganda OP. **Ann Intern Med** 1984 Mar;100(3):464

Prolonged hypoglycemia during pentamidine therapy [letter] Raia JJ, et al. **Clin Pharm** 1983 Nov–Dec;2(6):505–6

Reversal of pentamidine-induced hypoglycaemia with oral diazoxide. Fitzgerald DB, et al. **J Trop Med Hyg** 1984 Feb; 87(1):15–9

Leads from the MMWR. Severe neutropenia during pentamidine treatment of Pneumocystis carinii pneumonia in patients with AIDS. **JAMA** 1984 Mar 9;251(10):1253–4

Severe neutropenia during pentamidine treatment of Pneumocystis carinii pneumonia in patients with acquired immunodeficiency syndrome--New York City. **MMWR** 1984 Feb 17;33(6):65–7

Pentamidine-induced diabetes mellitus. Jha TK, et al. **Trans R Soc Trop Med Hyg** 1984;78(2):252–3

ANALYSIS

(Imidazolylphenyl)formamidines. A structurally novel class of potent histamine H2 receptor antagonists. Donetti A, et al. **J Med Chem** 1984 Mar;27(3):380–6

Quantitative determination of hexamidine isethionate in pharmaceutical preparations by high-performance liquid chromatography. Taylor P, et al. **J Pharm Sci** 1983 Dec; 72(12):1477–8

BLOOD

Paired-ion extraction and high-performance liquid chromatographic determination of diminazene in plasma. Aliu YO, et al. **J Chromatogr** 1983 Aug 12;276(1):218–23

CHEMICAL SYNTHESIS

5-phenyl-2-furamidines: a new chemical class of potential antidepressants. Pong SF, et al. **Arzneimittelforsch** 1983; 33(10):1411–6

Histamine H2 receptor antagonists. 1. Synthesis of N-cyano and N-carbamoyl amidine derivatives and their biological activities. Yanagisawa I, et al. **J Med Chem** 1984 Jul; 27(7):849–57

[Synthetic serine protease inhibitors. 29. Synthesis of alpha-arylsulphonylamino-beta-(4-amidinophenyl)ethyl-c and their inhibitory activity against trypsin, plasmin and thrombin] Horn H, et al. **Pharmazie** 1983 Sep;38(9):581–4 (Eng. Abstr.) (Ger)

DIAGNOSTIC USE

High-performance affinity chromatography of plasmin and plasminogen on a hydrophilic vinyl-polymer gel coupled with p-aminobenzamidine. Shimura K, et al. **J Chromatogr** 1984 Jun 1;292(2):369–82

Retrograde labeling of striato-nigral neurons in the rat by three different tracers. Frotscher M, et al. **Neurosci Lett** 1983 Jul 29;38(2):109–13

METABOLISM

Studies in rabbits on the disposition and trypanocidal activity of the anti-trypanosomal drug, diminazene aceturate (Berenil). Gilbert RJ. **Br J Pharmacol** 1983 Sep;80(1):133–9

Metabolism of four thiobis(formamidine) insecticides in the mouse and the rat. Hornish RE. **J Agric Food Chem** 1984 Jan–Feb;32(1):114–9

The N-oxidation of benzamidines in vitro. Clement B. **Xenobiotica** 1983 Aug;13(8):467–73

PHARMACODYNAMICS

Activation of factor XII in human plasma: protection by benzamidine of the cofactor function of high molecular weight kininogen. Briseid K, et al. **Acta Pharmacol Toxicol (Copenh)** 1983 Oct;53(4):344–52

Biological profile and response to anti-pneumocystis agents of Pneumocystis carinii in cell culture. Pifer LL, et al. **Antimicrob Agents Chemother** 1983 Nov;24(5):674–8

Effect of synthetic protease inhibitors of the amidine type on cell injury by Rickettsia rickettsii. Walker DH, et al. **Antimicrob Agents Chemother** 1984 May;25(5):582–5

Chemical control of hyperfibrinolytic states by synthetic inhibitors of fibrinolytic enzymes. Markwardt F, et al. **Biomed Biochim Acta** 1983;42(6):725–30

Response of the rat's hepatic drug-metabolizing enzyme system to chemotherapy of Trypanosoma b. brucei infections with Berenil and Suramin. Emerole GO, et al. **Enzyme** 1984;31(3):129–36

Inhibitory activity of diarylamidine derivatives on murine leukemia L1210 cell growth. Balzarini J, et al. **Invest New Drugs** 1983;1(2):103–15

Relaxation of rabbit aorta by chlordimeform. Robinson CP. **J Appl Toxicol** 1984 Feb;4(1):29–34

Effect of formamidines on 5-hydroxytryptamine uptake and biogenic amine levels in rat platelets. Knowles CO, et al. **Toxicology** 1984 May 14;31(2):91–8

SUPPLY & DISTRIBUTION

Pentamidine methanesulfonate to be distributed by CDC. **MMWR** 1984 May 4;33(17):225–6

THERAPEUTIC USE

Assessment of therapy for pneumocystis carinii pneumonia. PCP Therapy Project Group. Haverkos HW. **Am J Med** 1984 Mar;76(3):501–8

Diabetogenic effect of pentamidine. In vitro and in vivo studies in a patient with malignant insulinoma. Osei K, et al. **Am J Med** 1984 Jul;77(1):41–6

A comparison of the efficacy of isometamidium, amicarbalide and diminazene against Babesia canis in dogs and the effect on subsequent immunity. Stewart CG. **J S Afr Vet Assoc** 1983 Mar;54(1):47–51

Leads from the MMWR. Pentamidine methanesulfonate to be distributed by CDC. **JAMA** 1984 May 25;251(20):2641

Pentamidine or co-trimoxazole for Pneumocystis carinii pneumonia [letter] Kochen MM, et al. **Lancet** 1983 Dec 3;2(8362):1300–1

U.S.-manufactured pentamidine isethionate cleared for investigational use. **MMWR** 1984 May 18;33(19):270

Chemoprophylaxis with diminazene aceturate in experimental Babesia bigemina infection in cattle. Sharma SP, et al. **Res Vet Sci** 1984 Jul;37(1):126–7

Persistence of Berenil in cattle. Wellde BT, et al. **Trop Anim Health Prod** 1983 Aug;15(3):149–50

TOXICITY

Effects of chlordimeform on the brainstem auditory evoked response in rats. Janssen R, et al. **Dev Toxicol Environ Sci** 1983;11:533–6

Pentamidine, a new diabetogenic drug in laboratory rodents. Saï P, et al. **Diabetologia** 1983 Nov;25(5):418–23

Chlordimeform. **IARC Monogr Eval Carcinog Risk Chem Hum** 1983 Jan; 30:61–72

Evaluation of chlordimeform and degradation products for mutagenic and DNA-damaging activity in Salmonella typhimurium and Escherichia coli. Rashid KA, et al. **J Environ Sci Health [B]** 1984 Feb;19(1):95–110

The mammalian spot test and its use for testing of mutagenic and carcinogenic potential: experience with the pesticide chlordimeform, its principal metabolites and the drug lisuride hydrogen maleate. Lang R. **Mutat Res** 1984 Mar; 135(3):219–24

Effect of amitraz and chlordimeform on heart rate and pupil diameter in rats: mediated by alpha 2-adrenoreceptors. Hsu WH, et al. **Toxicol Appl Pharmacol** 1984 May;73(3):411–5

Effect of acute and repeated chlordimeform treatment on rat hepatic microsomal drug metabolizing enzymes. Budris DM, et al. **Toxicol Lett** 1983 Aug;18(1–2):63–71

AMIDINOTRANSFERASES

METABOLISM

[Glycine transamidinase (ADT) activity in the serum and urine of children with lipoid nephrosis] Zoch-Zwierz W, et al. **Pediatr Pol** 1983 Jul;58(7):621–4 (Eng. Abstr.) (Pol)

AMIDO BLACK see under AZO COMPOUNDS

AMIDOHYDROLASES

Pantothenase-based assay of pantothenic acid. Airas RK. **Anal Biochem** 1983 Oct 1;134(1):122–5

Collaborative trial of an enzyme-based assay for the determination of paracetamol in plasma. Brown SS, et al. **Ann Clin Biochem** 1983 Nov;20 (Pt 6):353–9

Determination of creatinine in serum by using creatininase: enhancement of a commercial method [letter] Landesman PW, et al. **Clin Chem** 1983 Nov;29(11):2002–3

ANALYSIS

Assay of N-acetylheparosan deacetylase with a capsular polysaccharide from Escherichia coli K5 as substrate. Navia JL, et al. **Anal Biochem** 1983 Nov;135(1):134–40

Chemical modifications of Escherichia coli penicillin acylase I, tryptophan involvement at the catalytic site. Mahajan PB, et al. **Hindustan Antibiot Bull** 1983 Feb–May; 25(1–2):6–10

Biochemical markers of the penicillin-induced L phase of a group B, type III Streptococcus sp. Flores AE, et al. **J Clin Microbiol** 1983 Oct;18(4):961–7

Acetylspermidine deacetylase (rat liver). Libby PR. **Methods Enzymol** 1983;94:329–31

Lipases specifically degrading lipopolysaccharide: fatty acyl amidases from Dictyostelium discoideum. Verret CR. **Rev Infect Dis** 1984 Jul–Aug;6(4):452–4

[Determination of lysine amidase and alpha-aminocaprolactam hydrolase activities in cell-free extracts of Cryptococcus sp.] Galaev IIu, et al. **Prikl Biokhim Mikrobiol** 1983 Nov–Dec;19(6):832–9 (Eng. Abstr.) (Rus)

ANTAGONISTS & INHIBITORS

Design and synthesis of tetrahedral intermediate analogues as potential dihydroorotase inhibitors. Levenson CH, et al. **J Med Chem** 1984 Feb;27(2):228–32

BIOSYNTHESIS

Catabolite repression and nitrogen control of allantoin-degrading enzymes in Pseudomonas aeruginosa. Janssen DB, et al. **Antonie Van Leeuwenhoek** 1983 Nov; 49(4–5):501–8

Simple screening method for isolation of penicillin acylase-producing bacteria. Meevootisom V, et al. **Appl Environ Microbiol** 1983 Nov;46(5):1227–9

Penicillin acylase from the hybrid strains Escherichia coli 5K(pHM12): enzyme formation and hydrolysis of beta-lactam antibiotics with whole cells. Schömer U, et al. **Appl Environ Microbiol** 1984 Feb;47(2):307–12

Two immunologically different penicillin amidases synthetized by Escherichia coli PCM 271. Szewczuk A, et al. **Arch Immunol Ther Exp (Warsz)** 1984;32(1):121–6

Biochemical characterization of a murein hydrolase induced by bacteriophage Dp-1 in Streptococcus pneumoniae: comparative study between bacteriophage-associated lysin and the host amidase. García P, et al. **J Bacteriol** 1984 Aug;159(2):793–6

BLOOD

Serum aryl acylamidases of primates & non-primates: association with serum cholinesterase, amine sensitivity & immunological reactivity. George S, et al. **Indian J Biochem Biophys** 1983 Dec;20(6):331–7

[Cobalt-activated acylase activity in the serum of patients treated with lithium salts] Kiejna A, et al. **Pol Tyg Lek** 1983 Jul 25;38(30):921–3 (Eng. Abstr.) (Pol)

DEFICIENCY

A screening method for biotinidase deficiency in newborns. Heard GS, et al. **Clin Chem** 1984 Jan;30(1):125–7

Extra heating of TLC plates detects two lysosomal storage diseases, aspartylglucosaminuria and fucosidosis, during routine urinary amino acid screening. Simell O, et al. **Clin Chim Acta** 1983 Sep 30;133(2):227–32

Phenotypic variability in biotinidase deficiency [letter] **J Pediatr** 1984 Jun;104(6):964–6

Phenotypic variability in siblings with Farber disease. Antonarakis SE, et al. **J Pediatr** 1984 Mar;104(3):406–9

Hearing loss in biotinidase deficiency [letter] **Lancet** 1983 Dec 10;2(8363):1365–6

Biotinidase deficiency and the eye and ear [letter] Taitz LS, et al. **Lancet** 1983 Oct 15;2(8355):918

GENETICS

Complete sequence of a eukaryotic regulatory gene. Hubert JC, et al. **EMBO J** 1983;2(11):2071–3

The T-region of Ti plasmids codes for an enzyme synthesizing indole-3-acetic acid. Schröder G, et al.

Eur J Biochem 1984 Jan 16;138(2):387–91
Electrophoretic comparison of Syrian and Chinese hamster species. Csaikl F. Heredity (Edinburgh) 1984 Feb;52 (Pt 1):141–4
DNA–DNA hybridization analysis of nylon oligomer–degradative plasmid pOAD2: identification of the DNA region analogous to the nylon oligomer degradation gene. Negoro S, et al. J Bacteriol 1984 May;158(2):419–24
Mutation of the N-acetylmuramyl-L-alanine amidase gene of Escherichia coli K-12. Tomioka S, et al. J Bacteriol 1983 Oct;156(1):463–5
Regulation and coupling of argECBH mRNA and enzyme synthesis in cell extracts of Escherichia coli. Zidwick MJ, et al. J Bacteriol 1984 Aug;159(2):640–6
Isolation of genomic clones containing the amdS gene of Aspergillus nidulans and their use in the analysis of structural and regulatory mutations. Hynes MJ, et al. Mol Cell Biol 1983 Aug;3(8):1430–9
Evolutionary adaptation of plasmid–encoded enzymes for degrading nylon oligomers. Okada H, et al. Nature 1983 Nov 10–16;306(5939):203–6
Partial cDNA sequence to a hamster gene corrects defect in Escherichia coli pyrB mutant. Davidson JN, et al. Proc Natl Acad Sci USA 1983 Nov;80(22):6897–901
Birth of a unique enzyme from an alternative reading frame of the preexisted, internally repetitious coding sequence. Ohno S. Proc Natl Acad Sci USA 1984 Apr;81(8):2421–5

IMMUNOLOGY

[Comparison of the immunodepressive action of microbial deamidases from different sources] Kozlov EA, et al. Biull Eksp Biol Med 1984 May;97(5):565–7 (Eng. Abstr.) (Rus)

ISOLATION & PURIFICATION

Bovine liver dihydropyrimidine amidohydrolase: purification, properties, and characterization as a zinc metalloenzyme. Brooks KP, et al. Arch Biochem Biophys 1983 Oct 15; 226(2):469–83
Purification and characterization of an amidohydrolase for N4–long–chain fatty acyl derivatives of 1–beta–D–arabinofuranosylcytosine from mouse liver microsomes. Hori K, et al. Cancer Res 1984 Mar; 44(3):1187–93
Biochemical characterization of a murein hydrolase induced by bacteriophage Dp–1 in Streptococcus pneumoniae: comparative study between bacteriophage–associated lysin and the host amidase. García P, et al. J Bacteriol 1984 Aug;159(2):793–6
Resolution of 5–oxo–L–prolinase into a 5–oxo–L–proline–dependent ATPase and a coupling protein. Seddon AP, et al. J Biol Chem 1984 Jul 10; 259(13):8091–4
Dihydroorotase from Escherichia coli. Purification and characterization. Washabaugh MW, et al. J Biol Chem 1984 Mar 10;259(5):3293–8
[Almond glycopeptidase] Takahashi N. Tanpakushitsu Kakusan Koso 1984 Feb;29(2):134–7 (Jpn)
[Proline specific endopeptidase] Yoshimoto T, et al. Tanpakushitsu Kakusan Koso 1984 Feb;29(2):127–33 (38 ref.) (Jpn)
[Isolation of a highly pure preparation of cephalexin amidase from bacteria of the genus Xanthomonas] Petrova LI, et al. Antibiotiki 1984 Mar;29(3):175–8 (Eng. Abstr.) (Rus)

METABOLISM

Continuous 6-APA and 7-ADCA production using Semacylase (immobilized PEN-V acylase). Gestrelius S, et al. Ann NY Acad Sci 1983;413:554–6
Susceptibility of Mycobacterium tuberculosis to pyrazinamide and its relationship to pyrazinamidase activity. Butler WR, et al. Antimicrob Agents Chemother 1983 Oct;24(4):600–1
Activity of penicillin–acylase–producing bacteria against alpha–aminobenzylpenicillins. Baker WL. Antonie Van Leeuwenhoek 1983 Dec;49(6):551–8
Abnormalities of cobalt–activated acylase from human sarcoma, carcinoma and the adjacent tissue. Tyran W, et al. Arch Immunol Ther Exp (Warsz) 1983;31(4):565–74
The effects of phenobarbital, 3–methylcholanthrene and benzo(a)pyrene on the hydrolysis of xenobiotics in the rat. Kaur S, et al. Biochem Pharmacol 1983 Nov 15; 32(22):3479–80
Histone deacetylase from HeLa cells: properties of the high molecular weight complex. Hay CW, et al. Biochemistry 1983 Dec 20;22(26):6175–80
A beta–citryl–L–glutamate–hydrolysing enzyme in rat testes. Miyake M, et al. Biochim Biophys Acta 1983 Oct 18; 760(2):206–14
Monitoring enzyme conversion of penicillin-G to 6-APA by HPLC. Dhawale DA, et al. Hindustan Antibiot Bull 1983 Feb–May;25(1–2):33–42
Kinetics & effectiveness of soluble & immobilized penicillin acylase (E. coli) in different forms. Bihari V, et al. Indian J Exp Biol 1983 Jan;21(1):27–30
Attachment of pneumococcal autolysin to wall teichoic acids, an essential step in enzymatic wall degradation. Giudicelli S, et al. J Bacteriol 1984 Jun;158(3):1188–90
The involvement of the proteinase of Streptococcus faecium ATCC 9790 in the stimulation of its autolysin activity by dodecylglycerol. Ved HS, et al. J Biol Chem 1984 Jul 10; 259(13):8122–4
Dodecylglycerol. A new type of antibacterial agent which stimulates autolysin activity in Streptococcus faecium ATCC 9790. Ved HS, et al. J Biol Chem 1984 Jul 10; 259(13):8115–21
Exo–(1——3)–beta–glucanase, autolysin and trehalase activities during yeast growth and germ–tube formation in Candida albicans. Ram SP, et al. J Gen Microbiol 1984 May;130 (Pt 5):1227–36
Pineal aryl acylamidase: effects of melatonin, serotonin–related compounds, beta–carbolines, RO4–4602 and antidepressants. Hsu LL. Res Commun Chem Pathol Pharmacol 1984 Feb; 43(2):223–34
[Aminoacylase from Streptoverticillium microorganisms: stereo– and substrate specificity] Skvortsova EE, et al. Biokhimiia 1984 Apr;49(4):547–50 (Eng. Abstr.) (Rus)
[Determination of lysine amidase and alpha–aminocaprolactam hydrolase activities in cell–free extracts of Cryptococcus sp.] Galaev IIu, et al. Prikl Biokhim Mikrobiol 1983 Nov–Dec;19(6):832–9 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

[Effect of glutamin(asparagin)ase preparations from microorganisms on DNA synthesis in tumor cells] Pekhov AA, et al. Biull Eksp Biol Med 1983 Sep;96(9):83–4 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Hydrogen ion control of autolysin–dependent functions in Bacillus subtilis. Jolliffe LK, et al. Microbios 1983; 38(153–154):187–94

URINE

Excretion patterns of urinary enzymes having amidolytic and esterolytic activities in the urine of male and female rats. Takaoka M, et al. Chem Pharm Bull (Tokyo) 1984 Mar; 32(3):1120–5

AMIDONE see **METHADONE**

AMIDOPHENAZON see **AMINOPYRINE**

AMIDOPHOSPHORIBOSYLTRANSFERASE see under **PENTOSYLTRANSFERASES**

AMIDOTREZOATE see **DIATRIZOATE**

AMIKACIN see under **KANAMYCIN**

AMILORIDE see under **PYRAZINES**

AMINACRINE see under **AMINOACRIDINES**

AMINE OXIDOREDUCTASES

ANALYSIS

3–(p–hydroxyphenyl)propionic acid as a new fluorogenic reagent for amine oxidase assays. Matsumoto T, et al. Anal Biochem 1984 Apr;138(1):133–6
Localization of the major dehydrogenases in two methylotrophs by radiochemical labeling. Kasprzak AA, et al. J Bacteriol 1983 Oct;156(1):348–53
Polyamine oxidase (rat liver). Hölttä E. Methods Enzymol 1983;94:306–11
Some properties of amine oxidase from soybean seedlings. Matsumoto T, et al. Nagoya J Med Sci 1984 Mar; 46(1–4):87–94
[Microbial amine oxidase] Kumagai H, et al. Tanpakushitsu Kakusan Koso 1984 May;29(5):357–73 (42 ref.) (Jpn)

ANTAGONISTS & INHIBITORS

Stimulation of clonal tumor cell growth in vitro by inhibiting the serum polyamine oxidase activity. Ali–Osman F, et al. J Cancer Res Clin Oncol 1983;106(1):17–20
Possible involvement of amine oxidase inhibition in the sympathetic activation induced by khat (Catha edulis) chewing in humans. Nencini P, et al. J Ethnopharmacol 1984 Jun;11(1):79–86

BLOOD

The kinetics of ammonia release during the catalytic cycle of pig plasma amine oxidase. Rius FX, et al. Biochem J 1984 Jun 15;220(3):767–72
Heterogeneity of pig plasma amine oxidase: molecular and catalytic properties of chromatographically isolated forms. Falk MC, et al. Biochemistry 1983 Aug 2;22(16):3746–51
Stoichiometry of phenylhydrazine inactivation of pig plasma amine oxidase. Falk MC. Biochemistry 1983 Aug 2; 22(16):3740–5
Isotopic probes yield microscopic constants: separation of binding energy from catalytic efficiency in the bovine plasma amine oxidase reaction. Palcic MM, et al. Biochemistry 1983 Dec 6;22(25):5957–66
Serum polyamine oxidase activity in normal pregnancy. Morgan DM, et al. Br J Obstet Gynaecol 1983 Dec; 90(12):1194–6
Bovine serum amine oxidase: a mammalian enzyme having covalently bound PQQ as prosthetic group. Lobenstein–Verbeek CL, et al. FEBS Lett 1984 May 21; 170(2):305–9
Spermidine cytotoxicity in vitro: effect of serum and oxygen tension. Hegre OD, et al. In Vitro 1984 Mar;20(3 Pt 1):198–204
Polyamine oxidase–mediated intraerythrocytic killing of Plasmodium falciparum: evidence against the role of reactive oxygen metabolites. Rzepczyk CM, et al. Infect Immun 1984 Jan;43(1):238–44
Inactivation of beef plasma amine oxidase by sulfide. Dooley DM, et al. J Biol Chem 1984 Mar 10;259(5):2923–6
Polyamine oxidase–mediated trypanosome killing: the role of hydrogen peroxide and aldehydes. Ferrante A, et al. J Immunol 1984 Oct;133(4):2157–62
Purification of bovine plasma amine oxidase. Mondovì B, et al. Methods Enzymol 1983;94:314–8

GENETICS

Two unlinked lysine genes (LYS9 and LYS14) are required for the synthesis of saccharopine reductase in Saccharomyces cerevisiae. Borell CW, et al. J Bacteriol 1984 Jul;159(1):429–32
Proline utilization in Saccharomyces cerevisiae: analysis of the cloned PUT2 gene. Brandriss MC. Mol Cell Biol 1983 Oct;3(10):1846–56

ISOLATION & PURIFICATION

Lentil seedlings amine oxidase: preparation and properties of the copper–free enzyme. Rinaldi A, et al. Biochem Biophys Res Commun 1984 Apr 16;120(1):242–9
Brain pyridoxine–5–phosphate oxidase. A dimeric enzyme containing one FMN site. Churchich JE. Eur J Biochem 1984 Jan 16;138(2):327–32
Purification of the flavoproteins 6–hydroxy–D– and 6–hydroxy–L–nicotine oxidase using hydrophobic affinity chromatography. Hinkkanen A, et al. Hoppe Seylers Z Physiol Chem 1983 Jul;364(7):801–6
Purification of putrescine oxidase from Micrococcus rubens by affinity chromatography. Okada M, et al. Methods Enzymol 1983;94:301–3
Purification of spermidine dehydrogenase from Serratia marcescens by affinity chromatography. Okada M, et al. Methods Enzymol 1983;94:303–5
Purification and characterization of the amine dehydrogenase from a facultative methylotroph. Coleman JP, et al. Microbios 1984;39(155):49–63

METABOLISM

Recent results on the active site of amine oxidases. Mondovì B, et al. Agents Actions 1984 Apr;14(3–4):356–7
Oxygraphic assay of 3,4–dihydroxyphenylalanine decarboxylase activity by coupled reaction with free and immobilized serum amine oxidase. Rosei MA, et al. Anal Biochem 1984 May 15;139(1):73–6
Chemical mechanism of saccharopine dehydrogenase (NAD+, L–lysine–forming) as deduced from initial rate pH studies. Fujioka M. Arch Biochem Biophys 1984 May 1;230(2):553–9
Reaction of beef plasma and lentil seedlings Cu–amine oxidases with phenylhydrazine. Rinaldi A, et al. Biochem Biophys Res Commun 1983 Sep 30;115(3):841–8
Solubilization and some properties of a semicarbazide–sensitive amine oxidase in brown adipose tissue of the rat. Barrand MA, et al. Biochem J 1984 Sep 1;222(2):467–75
Characterization of the amine oxidase activities of liver microsomes of different vertebrate and invertebrate species. Ignesti G, et al. Biochem Pharmacol 1983 Dec 1; 32(23):3653–6
Characterization of methylamine dehydrogenase from bacterium W3A1. Interaction with reductants and amino–containing compounds. Kenney WC, et al. Biochemistry 1983 Aug 2;22(16):3858–68
Determination of polyamine oxidase activities in human tissues. Suzuki O, et al. Experientia 1984 Aug 15; 40(8):838–9
Monoamine oxidase & amine–tetrazolium reductase in mitochondrial preparations. Haque SJ, et al. Indian J Biochem Biophys 1983 Apr;20(2):100–3
Monoamine oxidase and semicarbazide–sensitive amine oxidase in spontaneously hypertensive and in normotensive control rats. Guffroy C, et al. Life Sci 1984 Feb 6; 34(6):535–45
Bovine intermediate pituitary alpha–amidation enzyme: preliminary characterization. Eipper BA, et al. Peptides (Fayetteville) 1983 Nov–Dec;4(6):921–8
Steric restrictions in the active–site region of liver pyridoxamine (pyridoxine) 5'–phosphate oxidase. Bowers–Komro DM, et al. Prog Clin Biol Res 1984; 144A:387–96
[Occurrence of pydixaminephosphate oxidase and pyridoxal kinase in Gram–negative and Gram–positive bacteria] Pflug W, et al. Hoppe Seylers Z Physiol Chem 1983 Nov; 364(11):1627–30 (Eng. Abstr.) (Ger)
[Decrease of placental amine oxidase activities in premature birth] Kirkel' AZ, et al. Vopr Med Khim 1983 Jul–Aug; 29(4):83–7 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

Polyamine oxidase mediates intra-erythrocytic death of Plasmodium falciparum. Ferrante A, et al. **Trans R Soc Trop Med Hyg** 1983;77(6):789-91

AMINES

Factors affecting the stability of fluorescent isoindoles derived from reaction of o-phthalaldehyde and hydroxyalkylthiols with primary amines. Stobaugh JF, et al. **Anal Biochem** 1983 Dec;135(2):495-504

VI.2 The confirmation of low levels of volatile nitrosamines by oxidation to nitramines. Sen NP, et al. **IARC Sci Publ** 1983;45:499-503

tert.-Butyl aminocarbonate (tert.-butyloxycarbonyloxyamine)--a new acylating reagent for amines. Harris RB, et al. **Int J Pept Protein Res** 1984 Jan;23(1):55-60

Angular dependence of the interaction energy between the N lone pair of amines and a proton: relevance to drug-receptor systems. Kolb VM, et al. **J Pharm Sci** 1984 Mar;73(3):389-92

Effects of chemical modification of amino and sulfhydryl groups on the voltage-clamped frog node of Ranvier. Rack M, et al. **Pflugers Arch** 1984 Apr;400(4):403-8

[Percentage distribution of drugs of tertiary amine in aqueous solutions of acids] Yu YX. **Yao Hsueh Hsueh Pao** 1983 Jul;18(7):529-34 (Eng. Abstr.) **(Chi)**

ADMINISTRATION & DOSAGE

Amine fluoride and monofluorophosphate: III. Rat caries inhibition by topical applications daily or every 5th day. Schmid R, et al. **ASDC J Dent Child** 1984 Mar-Apr; 51(2):107-115

[Fluoride ion concentrations in the serum and mixed saliva after the topical application of Elmex Fluid] Einwag J. **Dtsch Zahnarztl Z** 1983 Jul;38(7):692-6 (Eng. Abstr.) **(Ger)**

[Efficiency and economy of fluoride dosage forms: toothpaste] Naujoks R. **Dtsch Zahnarztl Z** 1983;38 Suppl 1:S61-4 (17 ref.) (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Aromatic amines and the pathogenesis of lupus erythematosus. Reidenberg MM. **Am J Med** 1983 Dec; 75(6):1037-42

Chest pain in rubber chemical workers exposed to carbon disulphide and methaemoglobin formers. Oliver LC, et al. **Br J Ind Med** 1984 Aug;41(3):296-304

Microscopic haematuria and erythrocyte count on sediment of spot urine samples in the surveillance of workers exposed to aromatic amines. Armeli G, et al. **Med Lav** 1983 May-Jun;74(3):221-6

[Aromatic amines in the work environment and urothelial tumors] Conso F. **Sem Hop Paris** 1983 Sep 1; 59(29-30):2103-6 (Eng. Abstr.) **(Fre)**

ANALYSIS

o-Phthalaldehyde derivatives of amines for high-speed liquid chromatography/electrochemistry. Allison LA, et al. **Anal Chem** 1984 Jun;56(7):1089-96

Synthesis of affinity-label chelates: a novel synthetic method of coupling ethylenediaminetetraacetic acid to amine functional groups. Haner M, et al. **Arch Biochem Biophys** 1984 Jun;231(2):477-86

Synthesis and application of a fluorescent imido ester for specific labelling of amino groups in proteins. Bozler H, et al. **Biochim Biophys Acta** 1983 Dec 28;749(3):238-43

Amine content of vaginal fluid from patients with trichomoniasis and gardnerella associated non-specific vaginitis. Sanderson BE, et al. **Br J Vener Dis** 1983 Oct; 59(5):302-5

A screening method for detection of aromatic amines in environmental samples based on their methemoglobin formation activities in vitro. Ohta T, et al. **Bull Environ Contam Toxicol** 1983 Sep;31(3):278-84

Naturally occurring amines in seafoods and their implication in the formation of endogenous carcinogenic nitrosamines. Lin JL, et al. **Dev Toxicol Environ Sci** 1983;11:379-82

II.3.a Analysis of malt and malt-based beverages: general aspects. Spiegelhalder B. **IARC Sci Publ** 1983;45:103-13

II.6.b Analysis of cosmetics, cutting fluids and other products containing detergents, surfactants and amines. Spiegelhalder B, et al. **IARC Sci Publ** 1983;45:259-63

High-performance liquid chromatographic detection and quantitation of amines in must and wine. Buteau C, et al. **J Chromatogr** 1984 Jan 27;284(1):201-10

Simple high-performance liquid chromatographic assay for benzylamine oxidation products in cell suspensions. Jones DP. **J Chromatogr** 1984 Jan 13;305(1):256-60

Quinacrine and basic amines in human platelets: subcellular compartmentation and effects on serotonin. Costa JL, et al. **Res Commun Chem Pathol Pharmacol** 1984 Jan; 43(1):25-42

[Proposals for the surveillance of persons exposed to aromatic amines] Gilli G, et al. **G Ital Med Lav** 1983 Mar;5(2):75-80 (Eng. Abstr.) **(Ita)**

[Highly sensitive detection in high performance liquid chromatography] Imai K. **Yakugaku Zasshi** 1983 Dec; 103(12):1225-42 (237 ref.) (Eng. Abstr.) **(Jpn)**

[Determination of primary amines and protein by using fluorescamine in microorganism suspensions] Poglazova MN, et al. **Mikrobiologiia** 1984 Jan-Feb;53(1):28-32 (Eng. Abstr.) **(Rus)**

BLOOD

High-performance liquid chromatographic determination of serum aliphatic amines in chronic renal failure. Baba S, et al. **Clin Chim Acta** 1984 Jan 16;136(1):49-56

Chlorination of endogenous amines by isolated neutrophils. Ammonia-dependent bactericidal, cytotoxic, and cytolytic activities of the chloramines. Grisham MB, et al. **J Biol Chem** 1984 Aug 25;259(16):10404-13

Activated alpha-alkyl-alpha-arylacetic acid enantiomers for stereoselective thin-layer chromatographic and high-performance liquid chromatographic determination of chiral amines. Weber H, et al. **J Chromatogr** 1984 Apr 13;307(1):145-53

CEREBROSPINAL FLUID

[Studies on postmortem biogenic amine levels in cerebral spinal fluid] Eisenmenger W, et al. **Beitr Gerichtl Med** 1983; 41:425-9 (Eng. Abstr.) **(Ger)**

CHEMICAL SYNTHESIS

Selective monoamine oxidase inhibitors. II. 4-aminophenylalkylamine derivatives. Florvall L, et al. **Acta Pharm Suec** 1983;20(4):255-70

The reduction of aliphatic and aromatic N-oxides to the corresponding amines with titanium(III) chloride. Seaton QF, et al. **Anal Biochem** 1984 Apr;138(1):238-41

(E)-2-(3,4-dimethoxyphenyl)-3-fluoroallylamine: a selective, enzyme-activated inhibitor of type B monoamine oxidase. Bey P, et al. **J Med Chem** 1984 Jan;27(1):9-10

Synthesis and pharmacological properties of some 2-pyrrolidinone Mannich bases. Malawska B, et al. **Pol J Pharmacol Pharm** 1982 Nov-Dec;34(5-6):373-82

Allylamine derivatives: new class of synthetic antifungal agents inhibiting fungal squalene epoxidase. Petranyi G, et al. **Science** 1984 Jun 15;224(4654):1239-41

[Synthesis and pharmacological properties of new N-benzyl-omega-chloramides] Galanopoulou P, et al. **Ann Pharm Fr** 1983;41(5):457-64 (Eng. Abstr.) **(Fre)**

[Aminoalcohol esters of hydroxyboranes. 10. Tetracycline boron Mannich bases as potential antineoplastic agents] Csuk R, et al. **Arch Pharm (Weinheim)** 1984 Apr; 317(4):336-9 (Eng. Abstr.) **(Ger)**

[Mannich ketobases with narcotic antagonist activity] Collino F, et al. **Boll Chim Farm** 1983 Aug;122(8):393-404 (Eng Abstr.) **(Ita)**

[Aryloxy- and arylthioalkylamine hypolipidemic agents] Duranti E, et al. **Farmaco [Sci]** 1983 Sep;38(9):664-71 (Eng. Abstr.) **(Ita)**

IMMUNOLOGY

Delayed onset of experimental allergic neuritis in rats treated with reserpine. Brosnan CF, et al. **J Neuropathol Exp Neurol** 1984 Jan;43(1):84-93

ISOLATION & PURIFICATION

[Studies on percent distribution of tertiary amine drugs] Yu YX. **Yao Hsueh Hsueh Pao** 1983 Oct;18(10):766-74 (Eng. Abstr.) **(Chi)**

[Separation behavior of ionogenic drugs at reversed phase chromatography] Ejima A, et al. **Eisei Shikenjo Hokoku** 1983;(101):7-13 (Eng. Abstr.) **(Jpn)**

METABOLISM

Reduction of tertiary amine N-oxides by liver preparations: function of aldehyde oxidase as a major N-oxide reductase. Kitamura S, et al. **Biochem Biophys Res Commun** 1984 Jun 29;121(3):749-54

Benzylamine metabolism at low O2 concentrations. Relative sensitivities of monoamine oxidase, aldehyde dehydrogenase and hippurate synthesis to hypoxia. Jones DP. **Biochem Pharmacol** 1984 Feb 1;33(3):413-7

N-glucuronide formation of carcinogenic aromatic amines in rat and human liver microsomes. Lilienblum W, et al. **Biochem Pharmacol** 1984 Jul 1;33(13):2041-6

Metabolic activation of carcinogenic aromatic amines by dog bladder and kidney prostaglandin H synthase. Wise RW, et al. **Cancer Res** 1984 May;44(5):1893-7

The effect of acid water on the loss of divalent cations and primary amines from natural membranes. Swinehart JH, et al. **Comp Biochem Physiol [C]** 1984;77(2):327-30

High spin cytochrome P-448 with high activity for mutagenic activation of aromatic amines. Kato R, et al. **Dev Toxicol Environ Sci** 1983;11:403-6

Cytochrome P-450 metabolic-intermediate complex formation from p-aminobenzoic acid esters and other arylamines. Liu Z, et al. **Eur J Drug Metab Pharmacokinet** 1984 Apr-Jun;9(2):155-9

Formation of volatile nitrosamines by drug-nitrite interactions under physiological conditions. Sakai A, et al. **Gann** 1984 Mar;75(3):245-52

Serum aryl acylamidases of primates & non-primates: association with serum cholinesterase, amine sensitivity & immunological reactivity. George S, et al. **Indian J Biochem Biophys** 1983 Dec;20(6):331-7

Preliminary pharmacokinetics of intravenous ciramadol in humans. Rosseel MT, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 Jun;22(6):304-6

Direct spectroscopic observation of a brewer's yeast pyruvate decarboxylase-bound enamine intermediate produced from a suicide substrate. Evidence for nonconcerted decarboxylation. Kuo DJ, et al. **J Biol Chem** 1983 Nov 25;258(22):13415-7

Fluoride uptake in vitro by interproximal enamel from dental floss impregnated with amine fluoride gel. Bohrer D, et al. **J Dent** 1983 Sep;11(3):271-3

Enhanced intestinal absorption of amino acids and amino acid-like drug by possible formation of enamine in administered solution by the presence of ethylacetoacetate. Nishihata T, et al. **J Pharmacobiodyn** 1984 Mar;7(3):143-50

Alterations of the intestinal microflora by diet, oral antibiotics, and Lactobacillus: decreased production of free amines from aromatic nitro compounds, azo dyes, and glucuronides. Goldin BR, et al. **JNCI** 1984 Sep; 73(3):689-95

Metabolic activation of selected aromatic amines and polycyclic hydrocarbons by isolated subcellular fractions of Drosophila melanogaster. Klapwijk PM, et al. **Mutat Res** 1984 Feb;125(2):229-41

Prostaglandin synthase-catalyzed metabolic activation of some aromatic amines to genotoxic products. Nordenskjöld M, et al. **Mutat Res** 1984 Jul;127(2):107-12

Changes in cyclooxygenase activity and prostaglandin profiles during monoamine metabolism in rat brain homogenates. Seregi A, et al. **Prostaglandins Leukotrienes Med** 1984 Apr;14(1):113-21

The role of the lymphatic transport in the enteral absorption of naftifine by the rat. Grimus RC, et al. **Xenobiotica** 1984 Apr;14(4):287-94

[The amine-releasing activity of flavonoids in rats] Lecomte J. **C R Soc Biol (Paris)** 1983;177(3):388-91 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Effect of the antimycotic drug naftifine on growth of and sterol biosynthesis in Candida albicans. Ryder NS, et al. **Antimicrob Agents Chemother** 1984 Apr;25(4):483-7

Effect of phytate and hexadecylamine on the permeability of bovine dental enamel. Borggreven JM, et al. **Arch Oral Biol** 1983;28(5):375-9

Latent inhibition following systemic DSP4: effects due to presence and absence of contextual cues in taste-aversion learning. Archer T, et al. **Behav Neural Biol** 1983 Jul; 38(2):287-306

Effect of DSP-4, pCPA, and haloperidol on hippocampal electrical activity and behavior in rabbits. Fontani G, et al. **Behav Neural Biol** 1984 Mar;40(2):213-26

Role of olfactory bulbectomy and DSP4 treatment in avoidance learning in the rat. Archer T, et al. **Behav Neurosci** 1984 Jun;98(3):496-505

Primary amines and chloroquine inhibit cytotoxic responses to Shigella toxin and permit late antibody rescue of toxin treated cells. Keusch GT, et al. **Biochem Biophys Res Commun** 1984 May 31;121(1):69-76

The inhibition of glucose-stimulated insulin secretion by primary amines. A role for transglutaminase in the secretory mechanism. Bungay PJ, et al. **Biochem J** 1984 May 1;219(3):819-27

Effects of exogenous amines on mammalian cells, with particular reference to membrane flow. Dean RT, et al. **Biochem J** 1984 Jan 1;217(1):27-40 (155 ref.)

Differential inactivation of mitochondrial monoamine oxidase by stereoisomers of allenic amines. White RL, et al. **Biochem Pharmacol** 1983 Dec 1;32(23):3661-4

Selective inhibitors of monoamine oxidases A and B. Williams CH. **Biochem Pharmacol** 1984 Jan 15;33(2):334-7

Kinetics of appearance of sulfhydryl groups in alpha 2-macroglobulin on reaction of the inhibitor with amines. Larsson LJ, et al. **Biochemistry** 1984 Jun 5;23(12):2802-7

Mechanism-based inactivation of mitochondrial monoamine oxidase by N-(1-methylcyclopropyl)benzylamine. Silverman RB, et al. **Biochemistry** 1984 Mar 13; 23(6):1322-32

A parametric study of the effects of the noradrenaline neurotoxin DSP4 on avoidance acquisition and noradrenaline neurones in the CNS of the rat. Archer T, et al. **Br J Pharmacol** 1984 May;82(1):249-57

Adherence of oral bacteria to chemically modified hydroxyapatite. Hoppenbrouwers PM, et al. **Caries Res** 1984;18(1):1-6

Differential sensitivity of pinna reflex and esophageal temperature to clonidine in mice depleted of central noradrenaline by DSP-4. Lerner U, et al. **Experientia** 1984 Sep 15;40(9):963-5

Noncovalent inhibitors of sickle hemoglobin gelation: effects of tetrasubstituted ammonium salts. Mazhani L, et al. **Hemoglobin** 1984;8(2):129-36

Action of lysosomotropic amines on spontaneous and interferon enhanced NK and CTL cytolysis. Ausiello C, et al. **Immunol Lett** 1984;8(1):11-5

Effects of lysosomotropic amines on human polymorphonuclear leucocyte function. Vandenbroucke-Grauls CM, et al. **Immunology** 1984 Feb; 51(2):319-26

Kinetics of cytotoxicity induced by immunotoxins. Enhancement by lysosomotropic amines and carboxylic ionophores. Casellas P, et al. **J Biol Chem** 1984 Aug 10; 259(15):9359-64

Bovine brain phosphatidylinositol transfer protein. Selective

inhibition by chlorpromazine and other amphiphilic amines. Mullikin LJ, et al. **J Biol Chem** 1984 Mar 10;259(5):2764–8

Effect of destruction of central noradrenergic and serotonergic nerve terminals by systemic neurotoxins on the long-term effects of antidepressants on beta-adrenoceptors and 5-HT2 binding sites in the rat cerebral cortex. Hall H, et al. **J Neural Transm** 1984; 59(1):9–23

MDL 72145, an enzyme-activated irreversible inhibitor with selectivity for monoamine oxidase type B. Zreika M, et al. **J Neurochem** 1984 Aug;43(2):448–54

Suppressive effect of ciramadol on the bradykinin-induced activities of the lamina V-type cells of the rat spinal dorsal horn. Kubota A, et al. **J Pharmacobiodyn** 1984 May; 7(5):336–41

Effects of amine pretreatment on ketamine catatonia in pinealectomized or hypophysectomized animals. Winters WD, et al. **J Pharmacol Exp Ther** 1984 Jul;230(1):69–74

Amino-steroids as inhibitors and probes of the active site of cytochrome P-450acc. Effects on the enzyme from different sources. Kellis JT Jr, et al. **J Steroid Biochem** 1984 Feb;20(2):671–6

Sites of analgesic action of ciramadol. Kubota A, et al. **Jpn J Pharmacol** 1983 Oct;33(5):1085–8

Effects of the selective noradrenergic neurotoxin DSP4 on cerebellar Purkinje neuron electrophysiology. Bickford PC, et al. **Life Sci** 1984 Feb 20;34(8):731–41

Inhibitors of lysosomal function. Seglen PO. **Methods Enzymol** 1983;96:737–64

Diuretic effect of ITA 529. Araño A, et al. **Methods Find Exp Clin Pharmacol** 1984 Jan;6(1):11–6

Aliphatic amines inhibit the formation of syncytia induced by herpes simplex virus type 1. Uchida T, et al. **Microbiol Immunol** 1984;28(2):243–9

Human alpha 2 macroglobulin. van Leuven F. **Mol Cell Biochem** 1984;58(1–2):121–8

Comparison of the muscarinic receptor binding activity of some tertiary amines and their quaternary ammonium analogues. Ehlert FJ, et al. **Mol Pharmacol** 1984 Jan; 25(1):46–50

Decreased activity of locus coeruleus neurons in the rat after DSP-4 treatment. Olpe HR, et al. **Neurosci Lett** 1983 Sep 19;40(1):81–4

Different effects of amino acids, acetylcholine and monoamines on neuronal activity of suprachiasmatic nucleus in rat pups and adults. Shibata S, et al. **Neurosci Lett** 1983 Aug 29;39(2):187–92

Alteration of central alpha 2- and beta-adrenergic receptors in the rat after DSP-4, a selective noradrenergic neurotoxin. Dooley DJ, et al. **Neuroscience** 1983 Aug; 9(4):889–98

T-maze learning, spontaneous activity and food intake recovery following systemic administration of the noradrenaline neurotoxin, DSP4. Archer T, et al. **Pharmacol Biochem Behav** 1983 Jul;19(1):121–30

Novelty-oriented behavior in the rat after selective damage of locus coeruleus projections by DSP-4, a new noradrenergic neurotoxin. Delini-Stula A, et al. **Pharmacol Biochem Behav** 1984 Apr;20(4):613–8

Asymmetrical locomotor response to unilateral cortical injections of DSP-4. Kubos KL, et al. **Pharmacol Biochem Behav** 1984 Jul;21(1):163–7

Investigation on antibacterial action of some amines. Kubis A, et al. **Pharmazie** 1983 Jul;38(7):488–9

Effect of aliphatic monoamines on motor activity of mice: no direct interaction with dopaminergic D2 receptor. Widy-Tyszkiewicz E, et al. **Pol J Pharmacol Pharm** 1983 Nov–Dec;35(6):467–72

Effects of inescapable shock and norepinephrine depletion induced by DSP4 on escape performance. Anisman H, et al. **Psychopharmacology (Berlin)** 1984;83(1):56–61

Amphetamine-induced perseverative behavior in a radial arm maze following DSP4 or 6-OHDA pretreatment. Bruto V, et al. **Psychopharmacology (Berlin)** 1984;83(1):62–9

Functional supersensitivity to adrenergic agonists in the rat after DSP-4, a selective noradrenergic neurotoxin. Dooley DJ, et al. **Psychopharmacology (Berlin)** 1983;81(1):1–5

Selective brain noradrenaline depletion induced by the neurotoxin N-(2-chloroethyl)-N-ethyl-2-bromobenzylamine (DSP 4) does not prevent the memory facilitation induced by a muscarinic agonist in mice. Introini IB, et al. **Psychopharmacology (Berlin)** 1984;82(1–2):107–12

The role of noradrenaline in learned behaviors: studies using DSP4. Archer T. **Scand J Psychol** 1982;Suppl 1:61–71

[Chemistry and surface effects of amine fluoride] Schmid H. **Dtsch Zahnarztl Z** 1983;38 Suppl 1:S9–13 (Eng. Abstr.) **(Ger)**

[Luliberin of the synaptosomal fraction of the mediobasal hypothalamus in male rats and a change in its level as affected by monoamines] Babichev VN, et al. **Biull Eksp Biol Med** 1984 Aug;97(8):134–7 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

[Aminergic neurosecretions in invertebrates] Dhainaut-Courtois N. **J Physiol (Paris)** 1982;78(6):523–31 (68 ref.) (Eng. Abstr.) **(Fre)**

POISONING

[Biochemistry of occupational bladder cancer] Matsushima M, et al. **Hinyokika Kiyo** 1983 Nov;29(11):1383–94 (101 ref.) (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Amine fluoride and monofluorophosphate: II. Pooled results of 56 independent rat caries tests. Schmid R, et al. **ASDC J Dent Child** 1984 Mar–Apr;51(2):104–6

A double-blind trial of single-dose ciramadol for the treatment of post-episiotomy pain. Defoort P, et al. **Curr Med Res Opin** 1983;8(7):481–6

Enamel remineralization using an amine-fluoride containing tooth paste—a pilot study in vivo. Arends J, et al. **Dtsch Zahnarztl Z** 1983;38 Suppl 1:S27–30

Benzylamines: synthesis and evaluation of antimycobacterial properties. Meindl WR, et al. **J Med Chem** 1984 Sep; 27(9):1111–8

Ciramadol—a new synthetic analgesic. A double-blind comparison with oral codeine for postoperative pain relief. Downing JW, et al. **S Afr Med J** 1983 Dec 10;64(25):978–82

Analgetic effects of indomethacin (Confortid) compared to Ketogin in patients with acute cholecystitis. Mätzsch T, et al. **Scand J Urol Nephrol [Suppl]** 1983;75:59

[Effect of amine fluoride and sodium fluoride on the germs of plaque flora] Gehring F. **Dtsch Zahnarztl Z** 1983;38 Suppl 1:S36–40 (Eng. Abstr.) **(Ger)**

[Comparative studies of the effectiveness of amine fluoride on enamel surfaces] Gülzow HJ. **Dtsch Zahnarztl Z** 1983; 38 Suppl 1:S19–22 (Eng. Abstr.) **(Ger)**

[Mechanism of the protracted effect of amine fluoride] Lutz F. **Dtsch Zahnarztl Z** 1983;38 Suppl 1:S31–5 (Eng. Abstr.) **(Ger)**

[Development of amine fluoride and its use in caries prevention] Mühlemann HR. **Dtsch Zahnarztl Z** 1983;38 Suppl 1:S3–5 (Eng. Abstr.) **(Ger)**

[Plaque inhibition by amine fluoride] Renggli HH. **Dtsch Zahnarztl Z** 1983;38 Suppl 1:S45–9 (Eng. Abstr.) **(Ger)**

TOXICITY

The red cell as a sensitive target for activated toxic arylamines. Eyer P. **Arch Toxicol [Suppl]** 1983;6:3–12

Acetylation pharmacogenetics: profiles of arylamine pharmacology and toxicology in a genetic mouse model. Weber WW, et al. **Biochem Soc Trans** 1984 Feb;12(1):87–90

Bovine bladder and liver cell and homogenate-mediated mutagenesis of Salmonella typhimurium with aromatic amines. Hix C, et al. **Carcinogenesis** 1983 Nov;4(11):1401–7

Mutagenicity of structurally related aromatic amines in the Salmonella/mammalian microsome test with various S-9 fractions. Shahin MM, et al. **Food Chem Toxicol** 1983 Oct; 21(5):615–9

Mutagenicity of amine drugs and their products of nitrosation. Andrews AW, et al. **Mutat Res** 1984 Feb; 135(2):105–8

Activation of aromatic amines to mutagens by various animal species including man. Phillipson CE, et al. **Mutat Res** 1983 Dec;124(3–4):325–36

Corticosterone secretion in the rat after DSP-4 treatment. Dooley DJ, et al. **Neurosci Lett** 1984 May 18;46(3):271–4

Carcinogenesis results on seven amines, two phenols, and one diisocyanate used in plastics and synthetic elastomers. Huff JE. **Prog Clin Biol Res** 1984;141:347–63

Reactive forms of aromatic amines and amides: chemical and structural features in relation to carcinogenesis. Kriek E. **Prog Clin Biol Res** 1983;132B:161–74

[Toxicological characteristics of the new amine hardening agents UP-605/1R and UP-605/3R] Talakin IuN, et al. **Gig Tr Prof Zabol** 1983 Dec;(12):54–5 **(Rus)**

AMINES, SYMPATHOMIMETIC see **SYMPATHOMIMETICS**

AMINO ACID ACTIVATING ENZYMES see **AMINO ACYL T RNA SYNTHETASES**

AMINO ACID ACTIVATION

see related
AMINO ACYL T RNA SYNTHETASES

Enzymatic replacement of nucleotide sequences in the D-loop of T. utilis tRNATyr and its effect on aminoacylation. Ohyama T, et al. **Nucleic Acids Symp Ser** 1983;(12):137–40

Differential coupling efficiency of chemically activated amino acid to tRNA. Kinjo M, et al. **Orig Life** 1984; 14(1–4):351–7

Aminoacyl-nucleotide reactions: studies related to the origin of the genetic code and protein synthesis. Mullins DW Jr, et al. **Orig Life** 1984;14(1–4):597–604

[Superspecificity of aminoacyl-tRNA-synthases] Favorova OO. **Mol Biol (Mosk)** 1984 Jan–Feb;18(1):205–26 (88 ref.) (Eng. Abstr.) **(Rus)**

AMINO ACID CHLOROMETHYL KETONES

Dansylalanyllysylchloromethyl ketone as a fluorescent probe for localization of acrosin activity in boar and human spermatozoa. Berruti G, et al. **J Histochem Cytochem** 1984 May;32(5):526–30

Inhibition of trypsin-like serine proteinases by tripeptide arginyl and lysyl chloromethylketones. Lijnen HR, et al. **Thromb Res** 1984 Jun 1;34(5):431–7

PHARMACODYNAMICS

Effects of a series of chloromethyl ketone protease inhibitors on superoxide release and the glutathione system in human polymorphonuclear leukocytes and alveolar macrophages. Sibille Y, et al. **Am Rev Respir Dis** 1984 Jul;130(1):110–4

Cell membrane shape control—effects of chloromethyl ketone peptides. Alhanaty E, et al. **Blood** 1984 May; 63(5):1203–8

The halomethylketone derivative L-Glu-gamma-DL-Ala-CH2Cl and N-methyl-D-aspartate as selective antagonists against L-glutamate and kainate excitation respectively on Retzius cells of the leech, Hirudo medicinalis. Mat Jais AM, et al. **Comp Biochem Physiol [C]** 1984;77(2):385–98

Tosyl-lysyl chloromethane alters glucocorticoid-receptor complex nuclear binding and physical properties. Hubbard JR, et al. **Endocrinology** 1984 Jul;115(1):65–72

Evidence for an active-center cysteine in the SH-proteinase alpha-clostripain through use of N-tosyl-L-lysine chloromethyl ketone. Gilles AM, et al. **FEBS Lett** 1984 Jul 23;173(1):58–62

The formylpeptide chemotactic receptor on rabbit peritoneal neutrophils: change of receptor affinity and number by L-1-tosylamide-2-phenylethyl chloromethyl ketone (TPCK). Mackin WM, et al. **Int J Immunopharmacol** 1983; 5(5):365–75

The site of action of N-alpha-tosyl-L-lysyl-chloromethyl-ketone (TLCK) on cloned cytotoxic T lymphocytes. Pasternack MS, et al. **J Immunol** 1983 Nov;131(5):2477–83

[Identity of kininogenase and plasminogen activators in human granulocytes] Ogloblina OG, et al. **Biokhimiia** 1984 Feb;49(2):302–9 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Protective effect of specific elastase inhibitor in experimental pulmonary emphysema. Tarján E, et al. **Schweiz Med Wochenschr** 1984 Jun 23;114(25):918–20

[New possibilities in the treatment of pulmonary emphysema based on the knowledge of the pathogenetic mechanisms of this disease] Krasucka-Kuźniak A. **Pneumonol Pol** 1983 Oct;51(10):531–6 (41 ref.) **(Pol)**

AMINO ACID DECARBOXYLASES, AROMATIC see **AROMATIC AMINO ACID DECARBOXYLASES**

AMINO ACID ISOMERASES

ANALYSIS

Hydroxyproline 2-epimerase of Pseudomonas. Subunit structure and active site studies. Ramaswamy SG. **J Biol Chem** 1984 Jan 10;259(1):249–54

ISOLATION & PURIFICATION

Partial purification and characterization of isopenicillin N epimerase activity from Streptomyces clavuligerus. Jensen SE, et al. **Can J Microbiol** 1983 Nov;29(11):1526–31

Purification and properties of amino acid racemase from Aeromonas punctata subsp. caviae. Inagaki K, et al. **Prog Clin Biol Res** 1984;144A:355–63

METABOLISM

The stereochemistry of the formation of the methyl group in the glutamate mutase-catalysed reaction in Clostridium tetanomorphum. Hartrampf G, et al. **FEBS Lett** 1984 Jun 4;171(1):73–8

Catalytic properties of the active site of alanine racemase from B. subtilis. Johnston RB, et al. **Prog Clin Biol Res** 1984;144A:339–50

AMINO ACID METABOLISM, INBORN ERRORS

BLOOD

Dietary hyperhydroxyprolinemia. Hyman PE, et al. **J Pediatr** 1984 Apr;104(4):595–6

[A patient with neonatal citrullinemia] Berghuis M, et al. **Tijdschr Kindergeneeskd** 1983 Jun;51(3):104–9 (Eng. Abstr.) **(Dut)**

[Neonatal hyperammonemia] Jaeken J, et al. **Tijdschr Kindergeneeskd** 1983 Jun;51(3):101–4 (Eng. Abstr.) **(Dut)**

CLASSIFICATION

[Phenylketonuria and hyperphenylalaninemia: clinico-genetic classification of 14 forms] Annenkov GA. **Zh Nevropatol Psikhiatr** 1984;84(3):351–6 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Papilledema in late-onset citrullinemia. Hayasaka S, et al. **Am J Ophthalmol** 1984 Feb;97(2):242–3

Retinal degeneration in vitamin B12 disorder associated with methylmalonic aciduria and sulfur amino acid

abnormalities. Robb RM, et al. **Am J Ophthalmol** 1984 Jun; 97(6):691–6
Growth hormone studies in lysinuric protein intolerance. Goto I, et al. **Eur J Pediatr** 1984 Feb;141(4):240–2
Chronic vomiting in a case of citrullinaemia detected after treatment by total parenteral nutrition. Benque A, et al. **Gut** 1984 May;25(5):531–3
Liver disease in hereditary tyrosinemia [letter] Gagné R. **N Engl J Med** 1983 Oct 27;309(17):1063
Neurologic outcome in children with inborn errors of urea synthesis. Outcome of urea-cycle enzymopathies. Msall M, et al. **N Engl J Med** 1984 Jun 7;310(23):1500–5
Homocystinuria and megaloblastic anemia responsive to vitamin B12 therapy. An inborn error of metabolism due to a defect in cobalamin metabolism. Schuh S, et al. **N Engl J Med** 1984 Mar 15;310(11):686–90
[Pulmonary hemorrhages in newborn infants with inborn errors of the 1st 2 phases of the urea cycle] Plöchl E, et al. **Monatsschr Kinderheilkd** 1983 Oct;131(10):714–5 (Eng. Abstr.) **(Ger)**
[Netherton's syndrome. 3 clinical cases] Menni S, et al. **G Ital Dermatol Venereol** 1983 Mar-Apr;118(2):105–11 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Human myoadenylate deaminase deficiency. Fishbein WN. **Adv Exp Med Biol** 1984;165 Pt A:77–84
Myoadenylate deaminase deficiency: an enzyme defect in search of a disease. Joosten E, et al. **Adv Exp Med Biol** 1984;165 Pt A:85–9
Liquid chromatographic determination of amino and imino acids and thiols by postcolumn derivatization with 4-fluoro-7-nitrobenzo-2,1,3-oxadiazole. Watanabe Y, et al. **Anal Chem** 1983 Sep;55(11):1786–91
The routine investigation of urinary organic acids in selected paediatric patients: results over a 2 1/2-year period. Bennett MJ, et al. **Ann Clin Biochem** 1984 Jan;21 (Pt 1):45–50
Detection of urea cycle enzymopathies in childhood. Trauner DA, et al. **Arch Neurol** 1984 Jul;41(7):758–60
Simpler liquid-chromatographic screening for organic acid disorders. Bennett MJ, et al. **Clin Chem** 1984 Apr; 30(4):542–6
Combined tetrahydrobiopterin-phenylalanine loading test in the detection of partially defective biopterin synthesis. Güttler F, et al. **Eur J Pediatr** 1984 Jun;142(2):126–9
Prenatal diagnosis of glutaric aciduria type II by direct chemical analysis of dicarboxylic acids in amniotic fluid. Jakobs C, et al. **Eur J Pediatr** 1984 Jan;141(3):153–7
Measurement of the skin urocanic acid content in normal and histidinemic infants. Yokoya S, et al. **Eur J Pediatr** 1983 Sep;140(4):330–2
Stable isotope dilution analysis of 3-hydroxyisovaleric acid in amniotic fluid: contribution to the prenatal diagnosis of inherited disorders of leucine catabolism. Jakobs C, et al. **J Inherited Metab Dis** 1984;7(1):15–20
Problems of prenatal diagnosis of non-ketotic hyperglycinaemia. von Wendt L, et al. **J Inherited Metab Dis** 1983;6(3):112–3
Tetrahydrobiopterin deficiencies: preliminary analysis from an international survey. Dhondt JL. **J Pediatr** 1984 Apr; 104(4):501–8 (60 ref.)
A micro thin layer chromatography technique for urinary and serum amino acids using fluorescamine as a staining reagent. Wang TR, et al. **Jinrui Idengaku Zasshi** 1983 Dec; 28(4):273–84
Prenatal diagnosis of argininosuccinicaciduria by analysis of cultured chorionic villi [letter] Vimal CM, et al. **Lancet** 1984 Sep 1;2(8401):521–2
Prenatal diagnosis of hereditary tyrosinemia [letter] Steinmann B, et al. **N Engl J Med** 1984 Mar 29; 310(13):855–6
Prenatal diagnosis of citrullinemia: elevated levels of citrulline in the amniotic fluid in the three affected pregnancies. Kleijer WJ, et al. **Prenat Diagn** 1984 Mar-Apr; 4(2):113–8
Neonatal lethargy due to isovaleric acidemia and hyperammonemia. Mendiola J Jr, et al. **Tex Med** 1984 Jan; 80(1):52–4
[Isovaleric aciduria] Hyánek J, et al. **Cas Lek Cesk** 1983 Sep 2;122(35):1082–4 (Eng. Abstr.) **(Cze)**
[Subacute citrullinemia—diagnosis and course up to 4th year of life] Clemens P, et al. **Klin Padiatr** 1984 Jan-Feb; 196(1):55–7 (Eng. Abstr.) **(Ger)**
[Lysinuric protein intolerance] Behbehani AW, et al. **Monatsschr Kinderheilkd** 1983 Nov;131(11):784–7 (Eng. Abstr.) **(Ger)**

DIET THERAPY

Successful dietary control of tyrosinemia II. Machino H, et al. **J Am Acad Dermatol** 1983 Oct;9(4):533–9
Free amino acids in Citrullus vulgaris (watermelon) [letter] Tedesco TA, et al. **Pediatrics** 1984 Jun;73(6):879
[Dietary management of hereditary tyrosinemia. Apropos of 7 cases] Jehan P, et al. **Ann Pediatr (Paris)** 1984 Jan; 31(1):33–40 (Eng. Abstr.) **(Fre)**
[Case of propionic acidemia] Oka S, et al. **No To Hattatsu** 1984 Jan;16(1):32–7 (Eng. Abstr.) **(Jpn)**

DRUG THERAPY

Metabolic response to carnitine in methylmalonic aciduria. An effective strategy for elimination of propionyl groups. Roe CR, et al. **Arch Dis Child** 1983 Nov;58(11):916–20
Hyperargininemia: clinical course and treatment with sodium benzoate and phenylacetic acid. Mizutani N, et al. **Brain Dev** 1983;5(6):555–63
Hyperargininemia: the rat as a model for the human disease and the comparative response to enzyme replacement therapy with free arginase and arginase-loaded erythrocytes in vivo. Adriaenssens K, et al. **Int J Biochem** 1984;16(7):779–86
Biopterin synthesis defect. Treatment with L-dopa and 5-hydroxytryptophan compared with therapy with a tetrahydropterin. McInnes RR, et al. **J Clin Invest** 1984 Feb;73(2):458–69
Hyperargininemia: effect of ornithine and lysine supplementation. Kang SS, et al. **J Pediatr** 1983 Nov; 103(5):763–5
Treatment of hyperargininemia with sodium benzoate and arginine-restricted diet. Qureshi IA, et al. **J Pediatr** 1984 Mar;104(3):473–6
Oral administration of arginine and citrulline in the treatment of lysinuric protein intolerance. Mizutani N, et al. **Tohoku J Exp Med** 1984 Jan;142(1):15–24
A successful trial of enzyme replacement therapy in a case of argininemia. Sakiyama T, et al. **Tohoku J Exp Med** 1984 Mar;142(3):239–48

ENZYMOLOGY

Biochemical studies on the enzymatic deficiencies in hereditary tyrosinemia. Berger R, et al. **Clin Chim Acta** 1983 Oct 31;134(1-2):129–41
Succinic semialdehyde dehydrogenase deficiency: an inborn error of gamma-aminobutyric acid metabolism. Gibson KM, et al. **Clin Chim Acta** 1983 Sep 15;133(1):33–42
Substrate specificity of manganese-activated prolidase in control and prolidase-deficient cultured skin fibroblasts. Butterworth J, et al. **J Inherited Metab Dis** 1984;7(1):32–4
Diagnosis and treatment of argininaemia. Characteristics of arginase in human erythrocytes and tissues. Endres W, et al. **J Inherited Metab Dis** 1984;7(1):8
Molecular basis of ornithine transcarbamylase deficiency lacking enzyme protein. Saheki T, et al. **J Inherited Metab Dis** 1984;7(1):2–8
Prolidase and prolidase deficiency. Myara I, et al. **Life Sci** 1984 May 21;34(21):1985–98
Persistent tyrosinemia associated with low activity of tyrosine aminotransferase. Andersson S, et al. **Pediatr Res** 1984 Jul; 18(7):675–8
Glutaric aciduria type II: evidence for a defect related to the electron transfer flavoprotein or its dehydrogenase. Christensen E, et al. **Pediatr Res** 1984 Jul;18(7):663–7
Enzyme defect in a case of tyrosinemia type I, acute form. Furukawa N, et al. **Pediatr Res** 1984 May;18(5):463–6
Nonketotic hyperglycinemia: two patients with primary defects of P-protein and T-protein, respectively, in the glycine cleavage system. Hayasaka K, et al. **Pediatr Res** 1983 Dec;17(12):967–70
Deficient fumarylacetoacetate fumarylhydrolase activity in lymphocytes and fibroblasts from patients with hereditary tyrosinemia. Kvittingen EA, et al. **Pediatr Res** 1983 Jul; 17(7):541–4
Immunologic studies of arginase in tissues of normal human adult and arginase-deficient patients. Spector EB, et al. **Pediatr Res** 1983 Dec;17(12):941–4

ETIOLOGY

[Gyrate atrophy of the retina and choroid from its biochemical aspects] Kopieczna-Grzebieniakowa E, et al. **Klin Oczna** 1983 Nov-Dec;85(11-12):435–7 (Eng. Abstr.) **(Pol)**

FAMILIAL & GENETIC

Partial ornithine transcarbamylase deficiency associated with recurrent hyperammonemia, lethargy and depressed sensorium. Oizumi J, et al. **Clin Genet** 1984 Jun; 25(6):538–42
A new French-Canadian family affected by hyperargininaemia. Qureshi IA, et al. **J Inherited Metab Dis** 1983;6(4):179–82
Family exhibiting cerebellar-like ataxia, photosensitivity and shortness of stature - a new inborn error of tryptophan metabolism. Fenton DA, et al. **J R Soc Med** 1983 Sep; 76(9):736–9
Interallelic complementation in an inborn error of metabolism: genetic heterogeneity in argininosuccinate lyase deficiency. McInnes RR, et al. **Proc Natl Acad Sci USA** 1984 Jul;81(14):4480–4
[Torsten-Sjögren syndrome] Rister M, et al. **Monatsschr Kinderheilkd** 1984 Mar;132(3):180–1 (Eng. Abstr.) **(Ger)**

METABOLISM

Disorders of amino acid transport. Segal S. **Biochem Soc Trans** 1983 Dec;11(6):633–4
Hyperphenylalaninemia with defective transamination. Blau K, et al. **Clin Chim Acta** 1983 Jul 31;132(1):43–51
Complementation studies of isovaleric acidemia and glutaric aciduria type II using cultured skin fibroblasts. Dubiel B, et al. **J Clin Invest** 1983 Nov;72(5):1543–52
Studies on the pathway from ornithine to proline in cultured skin fibroblasts with reference to the defect in hyperornithinaemia with hyperammonaemia and homocitrullinuria. Gray RG, et al. **J Inherited Metab Dis** 1983;6(4):143–8
Evidence for an hereditary defect in taurine transport in the ciliary epithelium of an inbred strain of rabbits. Harris TM, et al. **J Inherited Metab Dis** 1983;6(4):163–6
Effect of hyperphenylalaninemia induced during suckling on brain DNA metabolism in rat pups. Johnson RC, et al. **Neurochem Res** 1984 Apr;9(4):517–28
Hyperammonemia in lysinuric protein intolerance. Kato T, et al. **Pediatrics** 1984 Apr;73(4):489–92

OCCURRENCE

Propionic acidaemia. First case in the Finnish population. von Wendt L, et al. **Ann Clin Res** 1983;15(5-6):194–6

PATHOLOGY

Ornithine carbamoyl transferase deficiency: a neuropathological study. Harding BN, et al. **Eur J Pediatr** 1984 Feb;141(4):215–20
Liver ultrastructure in mitochondrial urea cycle enzyme deficiencies and comparison with Reye's syndrome. Latham PS, et al. **Hepatology** 1984 May-Jun;4(3):404–7

PHYSIOPATHOLOGY

Electroencephalographic findings in urea-cycle disorders. Verma NP, et al. **Electroencephalogr Clin Neurophysiol** 1984 Feb;57(2):105–12

PREVENTION & CONTROL

Mass screening of urea cycle diseases: a new mass screening method of hyperornithinemia by using two coupling enzymes. Fujimura Y, et al. **Tohoku J Exp Med** 1983 Nov; 141(3):257–61

THERAPY

The effect of deoxycytidine and tetrahydrouridine in purine nucleoside phosphorylase deficiency. Stoop JW, et al. **Adv Exp Med Biol** 1984;165 Pt A:61–6
Treatment of episodic hyperammonemia in children with inborn errors of urea synthesis. Brusilow SW, et al. **N Engl J Med** 1984 Jun 21;310(25):1630–4

URINE

Profiles of urinary volatiles from metabolic disorders characterized by unusual odors. Burke DG, et al. **Clin Chem** 1983 Oct;29(10):1834–8
Isovalerylglucuronide, a new urinary metabolite in isovaleric acidemia. Identification problems due to rearrangement reactions. Dorland L, et al. **Clin Chim Acta** 1983 Oct 31; 134(1-2):77–83
Gamma-glutamylornithine excretion in patients with hyperornithinemia. Roesel RA, et al. **Clin Chim Acta** 1984 Jul 16;140(2):133–8
Hawkinsinuria--identification of quinolacetic acid and pyroglutamic acid during an acidotic phase. Hocart CH, et al. **J Chromatogr** 1983 Jul 8;275(2):237–43
Urinary screening for abnormalities of amino acid or mucopolysaccharide metabolism in patients in a hospital for the mentally handicapped in Wessex. Walker V, et al. **J Ment Defic Res** 1983 Jun;27 (Pt 2):105–14
The identification and the excretion pattern of isovaleryl glucuronide in the urine of patients with isovaleric acidemia. Hine DG, et al. **Pediatr Res** 1984 Jun; 18(6):508–12

AMINO ACID NAPHTHYLAMIDASES

METABOLISM

Composition of human palatine gland secretions and evidence for the presence of specific arylamidases. Mäkinen KK, et al. **Arch Oral Biol** 1983;28(9):893–4
Increase in the activity of lysosomal acid hydrolases in the chondrocytes of arthritic joints of rabbits with experimental allergic arthritis. Henderson B. **Histochem J** 1984 Mar; 16(3):287–93
Ultrastructural localization of enzymes involved in the feeding process in Plasmodium chabaudi and Babesia hylomysci. Slomianny C, et al. **J Protozool** 1983 May; 30(2):376–82

D-AMINO ACID OXIDASE

ANALYSIS

Studies of D-amino acid oxidase activity in human epidermis and cultured human epidermal cells. Jensen PK, et al. **Arch Dermatol Res** 1984;276(1):57–64

ANTAGONISTS & INHIBITORS

Methylation of the active center histidine 217 in D-amino acid oxidase by methyl-p-nitrobenzenesulfonate. Swenson RP, et al. **J Biol Chem** 1984 May 10;259(9):5585–90

GENETICS

Brain and kidney D-amino acid oxidases are coded by a single gene in the mouse. Konno R, et al. **J Neurochem**

1984 Feb;42(2):584–6

ISOLATION & PURIFICATION

Gel chromatographic evidence for the participation of the higher polymers in the self-association system of a flavoenzyme D-amino acid oxidase. Tojo H, et al. **J Biochem (Tokyo)** 1984 Jan;95(1):1–6

METABOLISM

High-performance liquid chromatographic analysis of analogous amino and oxo acids for the determination of amino acid oxidase and transaminase activities. Brodelius P. **Acta Chem Scand [B]** 1984;38(3):219–23

Peroxisomal fatty acyl-coenzyme A oxidation in chicken liver. Ishii H, et al. **Arch Biochem Biophys** 1983 Oct 15; 226(2):484–91

Interaction between 1,4-thiazine derivatives and D-amino-acid oxidase. Ricci G, et al. **Biochim Biophys Acta** 1983 Oct 17;748(1):40–7

Effects of actinomycin D and cycloheximide on the activities of catalase and D-amino acid oxidase in the rat kidney cortex during sodium restriction. Morimoto S, et al. **Chem Pharm Bull (Tokyo)** 1983 Aug;31(8):2917–9

Enzymatic determination of several D-amino acids using luminol-mediated chemiluminescence. Hinkkanen A, et al. **Hoppe Seylers Z Physiol Chem** 1983 Nov;364(11):1549–53

On the structures of flavoprotein D-amino acid oxidase purple intermediates. A resonance Raman study. Nishina Y, et al. **J Biochem (Tokyo)** 1983 Dec;94(6):1979–90

Involvement of D-amino-acid oxidase in D-amino acid utilization in the mouse. Konno R, et al. **J Nutr** 1984 Sep; 114(9):1617–21

AMINO ACID OXIDOREDUCTASES

Redox potential-pH properties of the flavoprotein L-amino-acid oxidase. Stankovich MT, et al. **Biochim Biophys Acta** 1984 Apr 27;786(1–2):49–56

ANALYSIS

[Rapid method for the simultaneous determination of bacterial urease and phenylalanine desaminase] Pavlov A, et al. **Vet Med Nauki** 1984;21(3):58–61 (Eng. Abstr.) **(Bul)**

ANTAGONISTS & INHIBITORS

The inhibition of lysyl oxidase in vivo by isoniazid and its reversal by pyridoxal. Effect on collagen cross-linking in the chick embryo. Carrington MJ, et al. **Biochem J** 1984 Aug 1;221(3):837–43

Beta-substituted ethylamine derivatives as suicide inhibitors of lysyl oxidase. Tang SS, et al. **J Biol Chem** 1984 Jan 25;259(2):975–9

BIOSYNTHESIS

Effect of varying amounts of ascorbate on collagen, elastin and lysyl oxidase synthesis in aortic smooth muscle cell cultures. Faris B, et al. **Biochim Biophys Acta** 1984 Jan 24;797(1):71–5

GENETICS

The role of cytosine methylation in the control of nopaline synthase gene expression in a plant tumor. Hepburn AG, et al. **J Mol Appl Genet** 1983;2(3):315–29

ISOLATION & PURIFICATION

Isolation, physicochemical properties, and folding of octopine dehydrogenase from Pecten jacobaeus. Zettlmeissl G, et al. **Eur J Biochem** 1984 Sep 3;143(2):401–7

Flavin and iron-sulfur containing ferredoxin-linked glutamate synthase from spinach leaves. Hirasawa M, et al. **J Biochem (Tokyo)** 1984 Apr;95(4):983–94

Human placental lysyl oxidase. Purification, partial characterization, and preparation of two specific antisera to the enzyme. Kuivaniemi H, et al. **J Biol Chem** 1984 Jun 10;259(11):6996–7002

METABOLISM

Octopine dehydrogenase from Pecten maximus: steady-state mechanism. Schrimsher JL, et al. **Biochemistry** 1984 Mar 27;23(7):1348–53

A simple and rapid enzymatic determination of L-phenylalanine with a novel L-phenylalanine oxidase (deaminating and decarboxylating) from Pseudomonas sp. P-501. Koyama H. **Clin Chim Acta** 1984 Jan 31; 136(2–3):131–6

Influence of sequence and charge on the specificity of lysyl oxidase toward protein and synthetic peptide substrates. Kagan HM, et al. **J Biol Chem** 1984 Sep 25;259(18):11203–7

Use of a single-tube medium, o-nitrophenyl-beta-D-galactopyranoside-phenylalanine-sulfate, for screening of pathogenic members of the family Enterobacteriaceae. Thompson JS, et al. **J Clin Microbiol** 1984 Jul;20(1):136–7

[L-lysine-alpha-oxidase activity of some Trichoderma species] Smirnova IP, et al. **Mikrobiologiia** 1984 Jan-Feb; 53(1):163–5 (Eng. Abstr.) **(Rus)**

[Spectrophotometric micromethod to determine L-lysine-alpha-oxidase activity] Smirnova IP, et al. **Vopr Med Khim** 1984 Jan-Feb;30(1):133–6 (Eng. Abstr.) **(Rus)**

AMINO ACID SEQUENCE

Purification of quadrol for microsequencing in the spinning-cup sequenator. Begg GS, et al. **Anal Biochem** 1984 Apr;138(1):30–3

Use of o-phthalaldehyde to reduce background during automated Edman degradation. Brauer AW, et al. **Anal Biochem** 1984 Feb;137(1):134–42

Polypeptide microsequence analysis with the commercially available gas-phase sequencer. Esch FS. **Anal Biochem** 1984 Jan;136(1):39–47

In situ cyanogen bromide cleavage of N-terminally blocked proteins in a gas-phase sequencer. Simpson RJ, et al. **Biochem Int** 1984 Jun;8(6):787–91

An improved procedure, involving mass spectrometry, for N-terminal amino acid sequence determination of proteins which are N alpha-blocked. Rose K, et al. **Biochem J** 1984 Jan 1;217(1):253–7

Polypeptide chains with similar amino acid sequences but a distinctly different conformation. Bovine and porcine phospholipase A2. Dijkstra BW, et al. **FEBS Lett** 1983 Nov 28;164(1):25–7

Secondary structure prediction of seed storage proteins. Pernollet JC, et al. **Int J Pept Protein Res** 1983 Oct; 22(4):456–63

Occurrence and geometrical features of head-to-tail sequences involving amino acids in crystal structures. Suresh CG, et al. **Int J Pept Protein Res** 1983 Aug; 22(2):129–43

Verification of protein sequence by fast atom bombardment mass spectrometry. Amino acid sequence of protein S, a development-specific protein of Myxococcus xanthus. Takao T, et al. **J Biol Chem** 1984 May 25;259(10):6105–9

Storage and retrieval of biomolecule sequences [letter] Sepúlveda A, et al. **J Theor Biol** 1983 Jul 21;103(2):331–2

A structural study of the full amino acid sequence of subunits alpha, beta, and delta of the acetylcholine receptor protein. Smythies JR. **Med Hypotheses** 1983 Oct;12(2):99–102

Isolation, purification and partial sequence of a neuropeptide (diazepam-binding inhibitor) precursor of an anxiogenic putative ligand for benzodiazepine recognition site. Corda MG, et al. **Neurosci Lett** 1984 Jun 29;47(3):319–24

Rapid searches for complex patterns in biological molecules. Abarbanel RM, et al. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 1):263–80

Introduction of restriction enzyme sites in protein-coding DNA sequences by site-specific mutagenesis not affecting the amino acid sequence: a computer program. Arentzen R, et al. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 2):777–87

The codon preference plot: graphic analysis of protein coding sequences and prediction of gene expression. Gribskov M, et al. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 2):539–49

A computer program package for storing and retrieving DNA/RNA and protein sequence data. Isono K. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 1):101–12

Simplified computer programs for search of homology within nucleotide sequences. Kröger M, et al. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 1):193–201

Microcomputer programs for graphic analysis of nucleic acid and protein sequences. Mount DW, et al. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 2):811–7

A convenient and adaptable package of computer programs for DNA and protein sequence management, analysis and homology determination. Pustell J, et al. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 2):643–55

A comprehensive sequence analysis program for the IBM personal computer. Queen C, et al. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 2):581–99

Utilization of sequence libraries on a 16-bit mini computer with particular reference to high speed searching. Reisner AH, et al. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 1):409–16

A fast homology program for aligning biological sequences. Taylor P. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 2):447–55

Computer selection of oligonucleotide probes from amino acid sequences for use in gene library screening. Yang JH, et al. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 2):837–43

Self-sequencing of amino acids and origins of polyfunctional protocells. Fox SW. **Orig Life** 1984;14(1–4):485–8

Formation of specific amino acid sequences during carbodiimide-mediated condensation of amino acids in aqueous solution, and computer-simulated sequence generation. Hartmann J, et al. **Orig Life** 1984; 14(1–4):213–20

Code dependent conservation of the physico-chemical properties in amino acid substitutions. Pieber M, et al. **Orig Life** 1983 Dec;13(2):139–46

The hydrophobic moment detects periodicity in protein hydrophobicity. Eisenberg D, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(1):140–4

Strategy for the mass spectrometric verification and correction of the primary structures of proteins deduced from their DNA sequences. Gibson BW, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(7):1956–60

On the use of sequence homologies to predict protein structure: identical pentapeptides can have completely different conformations. Kabsch W, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(4):1075–8

[Identification of hemoglobin D Punjab (beta 121 glu replaced by gln) in an Austrian family. Sequence analysis of the abnormal tryptic peptide beta XTp13] Aschauer H, et al. **Wien Klin Wochenschr** 1983 Nov 25;95(22):785–8 (Eng. Abstr.) **(Ger)**

[Distribution of amino acid residues in the primary protein structure] Poroĭkov VV, et al. **Mol Biol (Mosk)** 1984 Mar-Apr;18(2):541–7 (Eng. Abstr.) **(Rus)**

[Protein as an edited random copolymer] Ptitsyn OB. **Mol Biol (Mosk)** 1984 May-Jun;18(3):574–90 (Eng. Abstr.) **(Rus)**

AMINO ACIDS

Amino acid, peptide, and protein volume in solution. Zamyatnin AA. **Annu Rev Biophys Bioeng** 1984;13:145–65 (113 ref.)

Reductive cleavage of Xaa-proline peptide bonds by mild alkaline borohydride treatment employed to release O-glycosidically linked carbohydrate units of glycoproteins. Shimamura M, et al. **Arch Biochem Biophys** 1984 Aug 1;232(2):699–706

Repair of amino acid radicals by a vitamin E analogue. Bisby RH, et al. **Biochem Biophys Res Commun** 1984 Feb 29; 119(1):245–51

On the influence of hydrophobicity in the SIMS spectra of amino acids in glycerol matrix. De Pauw E, et al. **Biochem Biophys Res Commun** 1984 Aug 30;123(1):27–32

IUPAC-IUB Joint Commission on Biochemical Nomenclature (JCBN). Nomenclature and symbolism for amino acids and peptides. Recommendations 1983. **Biochem J** 1984 Apr 15;219(2):345–73

Origin and behavior of deuteron spin echoes in selectively labeled amino acids, myoglobin microcrystals, and purple membranes. Baianu IC, et al. **Biochemistry** 1984 Jun 19; 23(13):3105–10

An affinity scale for the interaction of amino acid residues with nucleic acids. Porschke D, et al. **Biopolymers** 1983 Dec;22(12):2549–62

Ion dependence of the eel taste response to amino acids. Yoshii K, et al. **Brain Res** 1983 Nov 28;280(1):63–7

Hepatocarcinogenesis in rats fed methyl-deficient, amino acid-defined diets. Mikol YB, et al. **Carcinogenesis** 1983 Dec;4(12):1619–29

IUPAC-IUB Joint Commission on Biochemical Nomenclature (JCBN). Nomenclature and symbolism for amino acids and peptides. Recommendations 1983. **Eur J Biochem** 1984 Jan 2;138(1): 9–37

H4-isozyme of lactate dehydrogenase in a solution of sodium C chloride—6. The effect of oxalate and oxamate on the molecular weight. Yamamoto S. **Int J Biochem** 1983; 15(10):1279–82

Application of N,N-dimethylformamide dineopentyl acetal for efficient anchoring of N alpha-9-fluorenylmethyloxycarbonylamino acids as p-alkoxybenzyl esters in solid-phase peptide synthesis. Albericio F, et al. **Int J Pept Protein Res** 1984 Apr; 23(4):342–9

Alkyl esters of amino acids [letter] Bodanszky M. **Int J Pept Protein Res** 1984 Jan;23(1):111

Effect of amino acids, peptides and related compounds on the autooxidation of ascorbic acid. Fleming JE, et al. **Int J Pept Protein Res** 1983 Sep;22(3):355–61

tert.-Butyl aminocarbonate (tert.-butyloxycarbonyloxyamine)—a new acylating reagent for amines. Harris RB, et al. **Int J Pept Protein Res** 1984 Jan;23(1):55–60

Statine and its derivatives. Conformational studies using nuclear magnetic resonance spectrometry and energy calculations. Rich DH, et al. **Int J Pept Protein Res** 1983 Sep;22(3):325–32

Carbonyl-17O n.m.r. of amino acid and peptide carboxamide and methyl ester derivatives. Steinschneider A, et al. **Int J Pept Protein Res** 1984 Jun;23(6):591–600

X-ray studies on crystalline complexes involving amino acids and peptides. X. Head-to-tail sequences in the crystal structure of L-lysine acetate. Suresh CG, et al. **Int J Pept Protein Res** 1983 Nov;22(5):617–21

The toxicity of tritium: the effects of tritiated amino-acids on preimplanted mouse embryos. Clerici L, et al. **Int J Radiat Biol** 1984 Mar;45(3):245–50

Mutagenicity assays with (2,4-dichlorophenoxy)acetic acid—amino acid conjugates. Rashid KA, et al. **J Agric Food Chem** 1983 Nov-Dec;31(6):1371–2

Chemical modification of proteins: plotting of the remaining activity against the number of residues modified. Horiike K, et al. **J Biochem (Tokyo)** 1984 Mar;95(3):605–9

Pseudo-structures for the 20 common amino acids for use in studies of protein conformations by measurements of intramolecular proton-proton distance constraints with nuclear magnetic resonance. Wüthrich K, et al. **J Mol Biol** 1983 Oct 5;169(4):949–61

Differential coupling efficiency of chemically activated amino acid to tRNA. Kinjo M, et al. **J Mol Evol** 1984; 20(1):59–65

Stability of folic acid in 25% dextrose, 3.5% amino acids, and multivitamin solution. Louie N, et al. **JPEN** 1984 Jul-Aug;8(4):421–6

Information transfer in biological systems. Part I: Calculation of the information content of some amino acids, lipids, and nucleic acid bases. Bíró J. **Med Hypotheses** 1983 Sep; 12(1):21–30

Formation of mutagens by amino-carbonyl reactions. Shinohara K, et al. **Mutat Res** 1983 Dec;122(3–4):279–86

Theoretical and experimental approach to recognition of amino acid by tRNA. Yoneda S, et al. **Nucleic Acids Symp Ser** 1983;(12):145–8

Dissident remarks on the origin of optical activity. An intrabiological explanation. Broda E. **Orig Life** 1984; 14(1–4):391–6

Formation of specific amino acid sequences during carbodiimide–mediated condensation of amino acids in aqueous solution, and computer–simulated sequence generation. Hartmann J, et al. **Orig Life** 1984; 14(1–4):213–20

Formation of amino acids from CH4 –rich or CO2 –rich model atmosphere. Hattori Y, et al. **Orig Life** 1984; 14(1–4):145–50

In vitro protein synthesis using D–amino acids and its evolutionary significance. Isoyama M, et al. **Orig Life** 1984; 14(1–4):439–46

Complexes of polyadenylic acid and the methyl esters of amino acids. Khaled MA, et al. **Orig Life** 1983 Dec; 13(2):87–96

The prebiotic synthesis and catalytic role of imidazoles and other condensing agents. Oró J, et al. **Orig Life** 1984; 14(1–4):237–42

Origin of chirality: a structural theory. Shimizu M. **Orig Life** 1984;14(1–4):397–404

Conservation of physico–chemical amino acid properties during the evolution of proteins. Soto MA, et al. **Orig Life** 1983 Dec;13(2):147–52

Photochemical addition of amino acids and peptides to polyuridylic acid. Shetlar MD, et al. **Photochem Photobiol** 1984 Feb;39(2):141–4

Photochemical addition of amino acids and peptides to DNA. Shetlar MD, et al. **Photochem Photobiol** 1984 Feb; 39(2):125–33

Photochemical addition of amino acids and peptides to homopolyribonucleotides of the major DNA bases. Shetlar MD, et al. **Photochem Photobiol** 1984 Feb;39(2):135–40

Effect of amino acid on the adsorption behavior of radiozinc in seawater. Ishiyama T, et al. **Radioisotopes** 1984 Mar; 33(3):125–9

Effective use of amino acid dialysate over four weeks in CAPD patients. Oren A, et al. **Trans Am Soc Artif Intern Organs** 1983;29:604–10

The influence of amino acid ligands and vitamin C on the reduction potential of Fe (III): polarographic and electron spin resonance investigations. Kiefer B, et al. **Z Naturforsch [C]** 1984 Jan–Feb;39(1–2):102–6

[Correlation between average protein composition and amino acid properties] Konyshev VA. **Biofizika** 1983 Jul–Aug; 28(4):590–4 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

An historical review of the development of criteria for intravenous amino acid requirements. Winters RW. **Acta Chir Scand [Suppl]** 1983;517:7–15

Use of Hungarian milk–protein products in sport. Frenkl R, et al. **Acta Med Hung** 1984;41(2–3):171–3

Nearly identical oral and intravenous nutritional support in the rat: effects on growth and body composition. Popp MB, et al. **Am J Clin Nutr** 1984 Jul;40(1):107–15

Treatment of protracted diarrhea of infancy. Merritt RJ, et al. **Am J Dis Child** 1984 Aug;138(8):770–4

Plasma cholecystokinin responses after ingestion of liquid meal and intraduodenal infusion of fat, amino acids, or hydrochloric acid in man: analysis with region specific radioimmunoassay. Himeno S, et al. **Am J Gastroenterol** 1983 Nov;78(11):703–7

Intravenous mixed amino acids and fats do not stimulate exocrine pancreatic secretion. Stabile BE, et al. **Am J Physiol** 1984 Mar;246(3 Pt 1):G274–80

Plasma and lipoprotein cholesterol in rats fed L–amino acid–supplemented diets. Sérougne C, et al. **Ann Nutr Metab** 1983;27(5):386–95

Hyperargininemia: clinical course and treatment with sodium benzoate and phenylacetic acid. Mizutani N, et al. **Brain Dev** 1983;5(6):555–63

The effect of topical hyperalimentation on wound healing rate and granulation tissue formation of experimental deep second degree burns in guinea–pigs. Kaufman T, et al. **Burns Incl Therm Inj** 1984 Apr;10(4):252–6

Synthetic amino–acid diet prolongs survival in autoimmune murine disease. Batsford S, et al. **Clin Nephrol** 1984 Jan; 21(1):60–3

Dietary effects on rhesus social behavior: altered amino acid diets. Chamove AS. **Dev Psychobiol** 1983 Nov;16(6):505–9

History of parenteral nutrition in pediatrics with emphasis on amino acids. Winters RW, et al. **Fed Proc** 1984 Apr; 43(5):1407–11

Inhibition of bile flow in the isolated perfused rat liver by a synthetic parenteral amino acid mixture: associated net amino acid fluxes. Graham MF, et al. **Hepatology** 1984 Jan–Feb;4(1):69–73

Effect of two carbohydrate:lipid ratios of diets enterally fed to chronic alcoholics. Marchini JS, et al. **Hum Nutr Clin Nutr** 1983 Sep;37(5):329–37

Acid load after intravenous aminoacid infusion: comparison of clorurated vs. acetated solutions. Montorsi M, et al. **Ital J Surg Sci** 1984;14(2):162–6

Evaluation of amino acids, B vitamins and butylated hydroxyanisole as protective agents against pyrrolizidine alkaloid toxicity in rats. Garrett BJ, et al. **J Anim Sci** 1984 Jan;58(1):138–44

Protein dynamics during refeeding of protein–depleted rats: effects of increasing amino acid intake by TPN or enteral continuous feeding. Maiz A, et al. **J Nutr** 1984 Jan; 114(1):75–88

Dietary regulation of the activities of ornithine decarboxylase and S–adenosylmethionine decarboxylase in rats. Moore P, et al. **J Nutr** 1983 Oct;113(10):1927–35

Parenteral nutrition in preterm infants: influence of respiratory treatment and effect of different amino acid compositions. Bürger U, et al. **J Pediatr Gastroenterol Nutr** 1983 Nov;2(4):644–52

Total parenteral nutrition with a new amino acid solution for infants. Kanaya S, et al. **J Pediatr Gastroenterol Nutr** 1984 Jun;3(3):440–5

Effects of amino acid additives during hemodialysis of children. Abitbol CL, et al. **JPEN** 1984 Jan–Feb;8(1):25–9

Parenteral nutrition in a premature infant with phenylketonuria. Cole DE, et al. **JPEN** 1984 Jan–Feb; 8(1):42–4

Studies in the use of the intraperitoneal route for parenteral nutrition in the rat. LeLeiko NS, et al. **JPEN** 1983 Jul–Aug; 7(4):381–4

Enhanced tumor response to cycle–specific chemotherapy by parenteral amino acid administration. Torosian MH, et al. **JPEN** 1983 Jul–Aug;7(4):337–45

Total parenteral nutrition with high or low nitrogen intakes in patients with acute renal failure. Feinstein EI, et al. **Kidney Int [Suppl]** 1983 Dec;16:S319–23

Supplements containing amino acids and keto acids in the treatment of chronic uremia. Walser M, et al. **Kidney Int [Suppl]** 1983 Dec;16:S285–9

An experimental study on parenteral nutrition in sepsis: effect of combined hypertonic carbohydrates or amino acids infusion on postinjury metabolisms. Yan K, et al. **Kobe J Med Sci** 1983 Dec;29(6):171–96

The effect of a keto acid–amino acid supplement to a restricted diet on the progression of chronic renal failure. Mitch WE, et al. **N Engl J Med** 1984 Sep 6;311(10):623–9

Fetal nutritional supplementation. Charlton V. **Semin Perinatol** 1984 Jan;8(1):25–30 (24 ref.)

[Protein sparing effects of peripheral intravenous feeding with an isotonic amino acid solution] Chen TY. **Chung Hua Wai Ko Tsa Chih** 1983 Jun;21(6):377–80 **(Chi)**

[Application of T, L–amino acid solution for intravenous nutrition in burn patients] Deng SL. **Chung Hua Wai Ko Tsa Chih** 1983 Sep;21(9):555–7 (Eng. Abstr.) **(Chi)**

[Urinary excretion of nitrogen from 15N leucine during infusion of an amino acids solution rich in branched amino acids] François G, et al. **Ann Fr Anesth Reanim** 1984; 3(1):22–5 (Eng. Abstr.) **(Fre)**

[Effects on muscular and general proteolysis in burn patients of a solution enriched with branched amino acids] Manelli JC, et al. **Ann Fr Anesth Reanim** 1984;3(4):256–60 (Eng. Abstr.) **(Fre)**

[Parenteral administration of amino acids to septic patients] Grünert A, et al. **Anaesthesist** 1984 Jan;33(1):11–9 (Eng. Abstr.) **(Ger)**

[Attempt at intra–amniotic substitution therapy in fetal growth retardation] Dudenhausen JW, et al. **Gynakologe** 1984 Mar;17(1):72–6 **(Ger)**

[Parenteral administration of amino acids. Reference values—study technic—interpretation of the study results—amino acid pattern as a criterion of the regulation of homeostasis] Grünert A, et al. **Infusionsther Klin Ernahr** 1984 Feb;11(1):12–25 (Eng. Abstr.) **(Ger)**

[Comparative study of a new commercially produced combination solution (fat, carbohydrates, aminoacids) for complete parenteral feeding of surgery patients in intensive care] Leutenegger A, et al. **Schweiz Med Wochenschr** 1984 May 26;114(21):742–53 (Eng. Abstr.) **(Ger)**

[Effect of the frequency of feeding rats on the utilization of deficient dietary proteins supplemented by synthetic amino acids] Raczyński G, et al. **Rocz Panstw Zakl Hig** 1983;34(2):135–45 (Eng. Abstr.) **(Pol)**

[Relation between gastrointestinal transit time and utilization of diets supplemented by amino acids in the rat] Raczyński G, et al. **Rocz Panstw Zakl Hig** 1983;34(3):313–21 (Eng. Abstr.) **(Pol)**

[Comparative evaluation of the effect of various amounts of dietary proteins and free amino acids on the longevity of animals] Grigorov IuG, et al. **Fiziol Zh** 1984 Jan–Feb; 30(1):24–9 (Eng. Abstr.) **(Rus)**

[Clinical efficacy of using amino acids in combination with anabolic steroids for the purpose of limiting the size of a myocardial infarct] Leshchinskiĭ LA, et al. **Kardiologiia** 1984 Apr;24(4):33–8 (Eng. Abstr.) **(Rus)**

[Effect of alvesin on the blood coagulation system based on autocoagulation test data] Paratsiĭ ZZ. **Klin Khir** 1984 Mar; (3):51–2 **(Rus)**

[Criteria for polyamine assimilation after enteral tube administration in the white rat] Glants RM, et al. **Patol Fiziol Eksp Ter** 1983 Nov–Dec;(6):59–63 (Eng. Abstr.) **(Rus)**

[Changes in the biosynthesis of acid–soluble collagen in the skin of rats with amino acid imbalances in their diets] Pechenova TN, et al. **Ukr Biokhim Zh** 1984 Jan–Feb; 56(1):10–4 (Eng. Abstr.) **(Rus)**

[State of the ribosomal apparatus of the liver during intravenous feeding with different amino acid mixtures] Morozov IA, et al. **Vopr Pitan** 1984 Jan–Feb;(1):30–5 (Eng. Abstr.) **(Rus)**

[Therapeutic efficacy of preparations containing amino acids in combined treatment of patients with peptic ulcer] Degtiareva II. **Vrach Delo** 1983 Jun;(6):67–71 **(Rus)**

[Efficacy of nitrogen compounds for parenteral nutrition when administered with lipid emulsions, carbohydrates, vitamins and hormones] Terekhov NT, et al. **Vrach Delo** 1983 Oct;(10):38–43 (9 ref.) (Eng. Abstr.) **(Rus)**

[Energy and protein expenditure in the postoperative period: effect of glucose solutions with and without amino acids] Gazitúa R, et al. **Rev Med Chil** 1984 Feb;112(2):121–6 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Potentiation of ischemic renal injury by amino acid infusion. Zager RA, et al. **Kidney Int** 1983 Nov;24(5):620–5

ANALYSIS

High–performance liquid chromatographic analysis of analogous amino and oxo acids for the determination of amino acid oxidase and transaminase activities. Brodelius P. **Acta Chem Scand [B]** 1984;38(3):219–23

A rapid, routinely applicable method for the determination of the amino acid content of the ejaculate. Papp G, et al. **Acta Chir Hung** 1983;24(3):169–76

Abnormal amino acid composition of nails in Bazex's paraneoplastic acrokeratosis. Juhlin L, et al. **Acta Derm Venereol (Stockh)** 1984;64(1):31–4

Collagen specific amino acids in skin in localized scleroderma. Serup J, et al. **Acta Derm Venereol (Stockh)** 1984;64(2):99–106

Beta–adrenergic influence on brain concentrations of monoamine precursors. Eriksson T, et al. **Adv Biochem Psychopharmacol** 1984;39:263–70

Effect of cortex ablation on amino acid neurotransmitters in the pallidum of baboons. Haug P, et al. **Adv Neurol** 1984; 40:99–105

Human milk nonprotein nitrogen components: changing patterns of free amino acids and urea in the course of early lactation. Harzer G, et al. **Am J Clin Nutr** 1984 Aug; 40(2):303–9

Evaluation of the use of amino acid composition data in assessing the protein quality of meat and poultry products. Pellett PL, et al. **Am J Clin Nutr** 1984 Sep;40(3 Suppl):718–36 (24 ref.)

Amino acid composition in relation to protein nutritional quality of meat and poultry products. Young VR, et al. **Am J Clin Nutr** 1984 Sep;40(3 Suppl):737–42

Determination of D– and L–aspartate in amino acid mixtures by high–performance liquid chromatography after derivatization with a chiral adduct of o–phthaldialdehyde. Aswad DW. **Anal Biochem** 1984 Mar;137(2):405–9

High–performance liquid chromatographic analysis of amino acids in physiological fluids: on–line precolumn derivatization with o–phthaldialdehyde. Fleury MO, et al. **Anal Biochem** 1983 Sep;133(2):330–5

Amino acid analysis by reverse–phase high–performance liquid chromatography: precolumn derivatization with phenylisothiocyanate. Heinrikson RL, et al. **Anal Biochem** 1984 Jan;136(1):65–74

Liquid chromatographic determination of amino and imino acids and thiols by postcolumn derivatization with 4–fluoro–7–nitrobenzo–2,1,3–oxadiazole. Watanabe Y, et al. **Anal Chem** 1983 Sep;55(11):1786–91

Comparison of the amino acid compositions and antigenic properties of spiralins purified from the plasma membranes of different spiroplasmas. Wróblewski H, et al. **Ann Microbiol (Paris)** 1984 Jan–Feb;135A(1):73–82

A compilation of amino acid analyses of proteins. XVIII. Residues per thousand residues—5. Kirschenbaum DM. **Appl Biochem Biotechnol** 1983 Aug;8(4):315–68

Cancer of the uterine cervix. I. Changes in the pool of aminoacids in the vaginal secretion. Luna G, et al. **Arch Invest Med (Mex)** 1983;14(3):299–307 **(Eng, Spa)**

Fatty acid, polar lipid and wall amino acid composition of Gardnerella vaginalis. O'Donnell AG, et al. **Arch Microbiol** 1984 May;138(1):68–71

Amino acid composition of salivary protein secreted by the parotid glands of rats in response to parasympathomimetic and sympathomimetic druga. Abe K, et al. **Arch Oral Biol** 1984;29(2):127–30

The determination of amino–acid enantiomers in human saliva with Chirasil–Val. Rotgans J, et al. **Arch Oral Biol** 1983;28(12):1121–4

The amino–acid composition of the non–collagenous organic matrix of human cementum. Smith AJ, et al. **Arch Oral Biol** 1983;28(11):1047–54

Cross–linking of collagen. Isolation, structural characterization and glycosylation of pyridinoline. Robins SP. **Biochem J** 1983 Oct 1;215(1):167–73

Cross–linking of collagen. Location of pyridinoline in bovine articular cartilage at two sites of the molecule. Robins SP, et al. **Biochem J** 1983 Oct 1;215(1):175–82

Desmosine and isodesmosine contents and elastase activity in normal and cirrhotic rat liver. Velebný V, et al. **Biochem J** 1983 Sep 15;214(3):1023–5

Contributions of individual amino acid residues to the structural stability of cetacean myoglobins. Flanagan MA, et al. **Biochemistry** 1983 Dec 6;22(25):6027–37

Nuclear magnetic resonance studies of amino acids and proteins. Deuterium nuclear magnetic resonance relaxation of deuteriomethyl-labeled amino acids in crystals and in Halobacterium halobium and Escherichia coli cell membranes. Keniry MA, et al. **Biochemistry** 1984 Jan 17; 23(2):288–98

Liquid-chromatographic measurement of amino acids in biological samples after formation of phenylthiohydantoin derivatives. Biggs HG, et al. **Clin Chem** 1984 Jun; 30(6):851–5

Evidence for the homology of hexose 6-phosphate dehydrogenase and glucose 6-phosphate dehydrogenase: comparison of the amino acid compositions. Matsuoka N, et al. **Comp Biochem Physiol [B]** 1983;76(4):811–6

Amino acid composition of preterm and term breast milk during early lactation. Lemons JA, et al. **Early Hum Dev** 1983 Oct;8(3–4):323–9

van der Waals' induced 13C NMR shifts in crystalline amino acids and peptides. Brewer CF. **Eur J Biochem** 1984 Sep 3;143(2):363–7

Purification of three rat atrial natriuretic factors and their amino acid composition. Thibault G, et al. **FEBS Lett** 1983 Dec 12;164(2):286–90

Effect of growing conditions on protein content and amino acid composition of Arthrobacter simplex. Ghosh BB, et al. **Hindustan Antibiot Bull** 1983 Feb–May;25(1–2):29–32

Enzymatic determination of several D-amino acids using luminol-mediated chemiluminescence. Hinkkanen A, et al. **Hoppe Seylers Z Physiol Chem** 1983 Nov;364(11):1549–53

A comparative study of actins of different vertebrates. Singh VB, et al. **Indian J Biochem Biophys** 1983 Feb;20(1):46–9

Protein & aminoacid concentrations in the gastric aspirate in the diagnosis of gastric carcinoma. Sulochana G, et al. **Indian J Med Res** 1983 Jul;78 Suppl:123–6

Amino acid composition of the highly purified allergen from Dirofilaria immitis. Fujita K, et al. **Int Arch Allergy Appl Immunol** 1984;73(2):184–5

Classification of proteins into groups based on amino acid composition and other characters. II. Grouping into four types. Nishikawa K, et al. **J Biochem (Tokyo)** 1983 Sep; 94(3):997–1007

Identification of the amino acid substitutions in two mutant forms of the recA protein from Escherichia coli: recA441 and recA629. Knight KL, et al. **J Biol Chem** 1984 Sep 25;259(18):11279–83

Amino acid determination by capillary gas chromatography on Chirasil-Val. Enantiomer labelling and nitrogen-selective detection. Frank H, et al. **J Chromatogr** 1983 Nov 25;279:507–14

Gas-liquid chromatography of free amino acids in the cytosol of mammalian atrium and ventricle of the heart. Gabryś J, et al. **J Chromatogr** 1983 Aug 12;276(1):19–27

Stereoselective D- and L-amino acid analysis by high-performance liquid chromatography. Lam S, et al. **J Chromatogr** 1984 Apr 27;289:339–45

Identification of amino acid phenylthiohydantoins by multicomponent analysis of ultraviolet spectra. Levine RL, et al. **J Chromatogr** 1984 Apr 20;288(1):111–6

An integrated scheme for the simultaneous determination of biogenic amines, precursor amino acids, and related metabolites by liquid chromatography with electrochemical detection. Oka K, et al. **J Chromatogr** 1984 Jun 8;308:43–53

Comparison of structural and functional variation in class I HLA molecules: the role of charged amino acid substitutions. Monos DS, et al. **J Immunol** 1984 Mar; 132(3):1379–85

Inhibition of renin by angiotensinogen peptide fragments containing the hydroxy amino acid residue 5-amino-3-hydroxy-7-methyloctanoic acid. Johnson RL, et al. **J Med Chem** 1983 Oct;26(10):1457–62

Dialytrode technology and local profiles of amino acids in the awake cat brain. Delgado JM, et al. **J Neurochem** 1984 May;42(5):1218–28

First evidence for the occurrence of N delta-acetyl-L-ornithine and quantification of the free amino acids in the cultivated mushroom, Pleurotus ostreatus. Oka Y, et al. **J Nutr Sci Vitaminol (Tokyo)** 1984 Feb;30(1):27–35

Study of intravenous hyperalimentation: effect of selected amino acids on the stability of intravenous fat emulsions. Takamura A, et al. **J Pharm Sci** 1984 Jan;73(1):91–4

A micro thin layer chromatography technique for urinary and serum amino acids using fluorescamine as a staining reagent. Wang TR, et al. **Jinrui Idengaku Zasshi** 1983 Dec; 28(4):273–84

Elastic fibers in human skin: quantitation of elastic fibers by computerized digital image analyses and determination of elastin by radioimmunoassay of desmosine. Uitto J, et al. **Lab Invest** 1983 Oct;49(4):499–505

Base hydrolysis and amino acid analysis for phosphotyrosine in proteins. Martensen TM, et al. **Methods Enzymol** 1983; 99:402–5

Amino acid sequence analysis of the H-2Kk alloantigen: complete sequence of residues 1–98 and partial sequence from 99 to 263. Lillehoj EP, et al. **Mol Immunol** 1984 Mar; 21(3):185–90

Amino acids in milk in cystinuria [letter] Allen JC, et al. **N Engl J Med** 1984 May 17;310(20):1332–3

Free amino acids and the uptake and binding of taurine in the central nervous system of rats treated with guanidinoethanesulphonate. Marneia KM, et al. **Neuroscience** 1984 May;12(1):323–8

Free amino acids in Citrullus vulgaris (watermelon) [letter] Tedesco TA, et al. **Pediatrics** 1984 Jun;73(6):879

Effect of dietary protein and GABA on food intake, growth and tissue amino acids in cats. Tews JK, et al. **Physiol Behav** 1984 Feb;32(2):301–8

Effects on oral health of mouthrinses containing xylitol, sodium cyclamate and sucrose sweeteners in the absence of oral hygiene. II. Relative composition of free amino acids in human crevicular fluid. Mäkinen KK, et al. **Proc Finn Dent Soc** 1984;80(1):13–9

Use of peptide synthesis to probe viral antigens for epitopes to a resolution of a single amino acid. Geysen HM, et al. **Proc Natl Acad Sci USA** 1984 Jul;81(13):3998–4002

The effect of five drugs in coma doses on neurotransmitter amino acids in the brains of guinea pigs. Sabato AF, et al. **Resuscitation** 1983 Aug;10(4):317–20

Studies on the primary structure of the A alpha-chain of human fibrinogen: clarification of hitherto uncertain amino acid residues. Kaiser C, et al. **Thromb Res** 1984 Mar 1; 33(5):543–8

Amino acid composition and N-terminal sequence of antithrombin BM. Witt I, et al. **Thromb Res** 1983 Dec 1; 32(5):513–8

Sublethal toxicity of malathion on the proteases and free amino acid composition in the liver of the teleost, Tilapia mossambica (Peters). Sahib IK, et al. **Toxicol Lett** 1984 Jan;20(1):59–62

Amino acid composition of Clostridium botulinum type F neurotoxin. DasGupta BE, et al. **Toxicon** 1983;21(4):566–9

Amino acid composition of Clostridium botulinum type B neurotoxin. DasGupta BR, et al. **Toxicon** 1984;22(2):312–5

Purification and amino acid composition of type A botulinum neurotoxin. DasGupta BR, et al. **Toxicon** 1984;22(3):415–24

Purification and amino acid composition of type E botulinum neurotoxin. DasGupta BR, et al. **Toxicon** 1983;21(4):535–45

Amino terminal analysis of pseudexin from the venom of the Australian red-bellied black snake (Pseudechis porphyriacus). Moon KE, et al. **Toxicon** 1984;22(1):165–7

Biophysical properties and amino acid composition of Bothrops protease A, a proteolytic enzyme isolated from the venom of the snake Bothrops jararaca (jararaca). Reichl AP, et al. **Toxicon** 1983;21(3):421–7

Comparative study on the amino acids composition in three local Phaseolus vulgaris seeds varieties. Abd-El-Samei MH, et al. **Z Lebensm Unters Forsch** 1984;178(1):24–6

[A preliminary report on the isolation and analysis of free amino acids in silkworm feces] Xiao CH. **Chung Yao Tung Pao** 1984 Jan;9(1):29–30 **(Chi)**

[Amino acid loss and protein spectrum of the peritoneal dialysate during continuous peritoneal dialysis] Günther K, et al. **Z Urol Nephrol** 1983 Dec;76(12):795–800 (Eng. Abstr.) **(Ger)**

[Comparative analysis of structural proteins in stratum corneum of disorders in keratinization] Yoshiike T. **Nippon Hifuka Gakkai Zasshi** 1983 Jun;93(7):755–62 **(Jpn)**

[Effect of ketogenic diet on the convulsive threshold and brain amino acid and monoamine levels in young mice] Otani K, et al. **No To Hattatsu** 1984;16(3):196–204 (Eng. Abstr.) **(Jpn)**

[60-CO organic complexes formed in the seawater by the addition of amino acids and their pretreatment for chemical analysis] Sasaki M, et al. **Radioisotopes** 1983 May; 32(5):234–7 (Eng. Abstr.) **(Jpn)**

[GABA, glutamate, aspartate, glycine, and taurine contents in spinocerebellar degeneration and parkinsonism] Tanaka Y, et al. **Rinsho Shinkeigaku** 1984 Mar;24(3):256–63 (Eng. Abstr.) **(Jpn)**

[Luteinizing hormone of the sperm whale. Amino acid sequences of reduced and carboxymethylated beta-subunits] Pankov IuA, et al. **Biokhimiia** 1984 Jun; 49(6):1004–18 (Eng. Abstr.) **(Rus)**

[Amino acid composition of the alpha-ketoglutarate dehydrogenase from the breast muscle of the pigeon] Stafeeva OA, et al. **Biol Nauki** 1984;(5):31–4 (Eng. Abstr.) **(Rus)**

[Absence of homology between the amino acid sequences of the 35 kD polypeptide of the frog crystalline lens and the main classes of crystallins: epsilon-crystallin] Tomarev SI, et al. **Dokl Akad Nauk SSSR** 1984;274(4):978–82 **(Rus)**

[Determination of the amount of amino acids and peptides in parenteral feeding preparations based on protein hydrolysis] Rosliakov VIa, et al. **Gematol Transfuziol** 1984 Mar;29(3):50–1 **(Rus)**

[Quantitative determination of amino acids by thin layer chromatography] Bondarenko BN. **Lab Delo** 1984; (2):118–20 (Eng. Abstr.) **(Rus)**

[Effect of hyperphenylalaninemia on the metabolism of free amino acids in the brain] Osadchaia LM, et al. **Nerv Sist** 1982;23:112–6 **(Rus)**

[Amino acid and peptide ratio in protein hydrolysates for parenteral feeding] Deniakina EK, et al. **Prikl Biokhim Mikrobiol** 1983 Jul–Aug;19(4):503–6 (Eng. Abstr.) **(Rus)**

[Amino acid analysis of culture media and autolysates by capillary gas chromatography] Vitt SV, et al. **Prikl Biokhim Mikrobiol** 1983 Sep–Oct;19(5):692–5 (Eng. Abstr.) **(Rus)**

[Changes in the collagen amino acid composition of calf skin after gamma-irradiation in an aqueous solution] Duzhenkova NA, et al. **Radiobiologiia** 1983 Nov–Dec; 23(6):754–7 (Eng. Abstr.) **(Rus)**

[Distribution of free amino acids in the rat brain during ontogenesis] Turianitsa IM, et al. **Ukr Biokhim Zh** 1983 Nov–Dec;55(6):667–70 (Eng. Abstr.) **(Rus)**

[Amino acid composition of horse meat before and after heat processing] Urbisinov ZhK. **Vopr Pitan** 1984 Jan–Feb; (1):73–6 (Eng. Abstr.) **(Rus)**

[Amino acid composition and biological value of domestic cheeses] Urbisinov ZhK, et al. **Vopr Pitan** 1983 Nov–Dec; (6):66–7 **(Rus)**

[Content of amino acids, ionized forms of calcium and acetylcholinesterase in the cerebral cortex in senile dementia] Pavlova GA. **Zh Nevropatol Psikhiatr** 1984; 84(7):1012–6 (Eng. Abstr.) **(Rus)**

[Relation between the level of free amino acids in milk and milk production] Duran A, et al. **Vet Med (Praha)** 1983 Aug;28(8):473–9 (Eng. Abstr.) **(Slo)**

[Level of free amino acids in the milk of cows in relation to values in arterial and venous blood] Gabriš J, et al. **Vet Med (Praha)** 1983 Aug;28(8):465–71 (Eng. Abstr.) **(Slo)**

[The effect of free amino acid levels in the blood and milk of cows on protein levels in milk] Gabriš J, et al. **Vet Med (Praha)** 1983 Sep;28(9):513–8 (Eng. Abstr.) **(Slo)**

[Effect of the infestation by Prostephanus truncatus Horn, Sitophilus zeamais Mots, or Sitotroga cerealella Oliver, on the concentration of amino acids in corn proteins] Bourges H, et al. **Arch Latinoam Nutr** 1983 Mar;33(1):83–95 (Eng. Abstr.) **(Spa)**

[Chemical composition, amino acid content and nutritive value of the protein of the annatto seed (Bixa orellana, L.)] Bressani R, et al. **Arch Latinoam Nutr** 1983 Jun; 33(2):356–76 (Eng. Abstr.) **(Spa)**

ANTAGONISTS & INHIBITORS

Actions of picrotoxinin and related compounds on the frog spinal cord: the role of a hydroxyl-group at the 6-position in antagonizing the actions of amino acids and presynaptic inhibition. Kudo Y, et al. **Br J Pharmacol** 1984 Feb; 81(2):373–80

The kindled amygdala model of epilepsy: anticonvulsant action of amino acid antagonists. Peterson DW, et al. **Brain Res** 1983 Sep 19;275(1):169–72

Effects of excitatory amino-acid antagonists on the anticonvulsant action of phenobarbital or diphenylhydantoin in mice. Czuczwar SJ, et al. **Eur J Pharmacol** 1984 May 4;100(3–4):357–62

Gamma-D-glutamylglycine and cis-2,3-piperidine dicarboxylate as antagonists of excitatory amino acids in the hippocampus. Sawada S, et al. **Exp Brain Res** 1984; 55(2):351–8

Tubular sites of action of heavy metals, and the nature of their inhibition of amino acid reabsorption. Foulkes EC. **Fed Proc** 1983 Oct;42(13):2965–8

The excitatory amino-acid antagonist gamma-D-glutamylglycine masks rather than prevents long term potentiation of the perforant path. Dolphin AC. **Neuroscience** 1983 Oct;10(2):377–83

BIOSYNTHESIS

Biosynthetic pathways in Methanospirillum hungatei as determined by 13C nuclear magnetic resonance. Ekiel I, et al. **J Bacteriol** 1983 Oct;156(1):316–26

In vivo 15N NMR studies of regulation of nitrogen assimilation and amino acid production by Brevibacterium lactofermentum. Haran N, et al. **J Biol Chem** 1983 Nov 10;258(21):12929–33

Incorporation of 14C from glucose into amino acids in brain in vitro in the presence of organo- and inorganic lead and pyridoxal phosphate. Regunathan S, et al. **Life Sci** 1983 Dec 5;33(23):2277–82

Decreased labeling of amino acids by inhibition of the utilization of [3H, 14C]glucose via the hexosemonophosphate shunt in rat brain in vivo. Gaitonde MK, et al. **Neurochem Res** 1984 Mar;9(3):367–85

[Biosynthesis of protein and its component amino acids in strains of Trichosporon cutaneum cultivated on a nutrient medium from whey] Petkov P, et al. **Acta Microbiol Bulg** 1984;14:56–61 (Eng. Abstr.) **(Bul)**

[Biosynthesis of 16 14C-labeled amino acids] Yu JH, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1983 Apr; 5(2):112–6 (Eng. Abstr.) **(Chi)**

[Biosynthesis of amino acids from glucose in the central nervous system in the Parkinson syndrome] Gründig E, et al. **Arch Psychiatr Nervenkr** 1983;233(5):397–408 (Eng. Abstr.) **(Ger)**

[15N-labelled lysine in colostomized laying hens. 4. Incorporation of 15N-lysine into various amino acids of egg yolk and white] Gruhn K, et al. **Arch Tierernahr** 1984 Jan;34(1):45–56 (Eng. Abstr.) **(Ger)**

[General control of amino acid biosynthesis in mutants of Candida spec. EH 15/D] Bode R, et al. **Z Allg Mikrobiol** 1983;23(7):419–27 (Eng. Abstr.) **(Ger)**

[Synthesis of the full amino acid sequence of the surface antigen of the hepatitis B virus in Escherichia coli] Kozlovskaia TM, et al. **Dokl Akad Nauk SSSR** 1984; 274(5):1250–3 **(Rus)**

BLOOD

Treatment of systemic scleroderma with fucidine with regard to some free amino acids contents before and after therapy. Rubisz-Brzezińska J, et al. **Acta Derm Venereol (Stockh)** 1984;64(3):267-70

Serum neutral amino acid concentrations in cirrhotic patients with impaired carbohydrate metabolism. Watanabe A, et al. **Acta Med Okayama** 1983 Aug;37(4):381-4

Fetal alcohol syndrome: amino acid pattern. Tichá R, et al. **Acta Paediatr Hung** 1983;24(2):143-8

Disappearance of glucagonoma rash after surgical resection, but not during dietary normalization of serum amino acids. Abraira C, et al. **Am J Clin Nutr** 1984 Mar;39(3):351-5

Diurnal variations in plasma concentrations of basic and neutral amino acids and in red cell concentrations of aspartate and glutamate: effects of dietary protein intake. Maher TJ, et al. **Am J Clin Nutr** 1984 May;39(5):722-9

Changes in ovine fetal hindlimb amino acid metabolism during maternal fasting. Liechty EA, et al. **Am J Physiol** 1984 May;246(5 Pt 1):E430-5

Encephalopathy, oxygen consumption, visceral amino acid clearance, and mortality in cirrhotic surgical patients. Loda M, et al. **Am J Surg** 1984 Apr;147(4):542-50

Plasma amino acid, glucagon, and insulin concentrations in dogs with nitrosamine-induced hepatic disease. Strombeck DR, et al. **Am J Vet Res** 1983 Nov;44(11):2028-36

Fasting and non-fasting serum amino acid values in three home parenteral nutrition patients: a comparison between Synthamin 17R and vamin N 7%R. Worthley LI, et al. **Anaesth Intensive Care** 1984 Feb;12(1):46-51

Changes in serum albumin, transferrin and amino acid indices during the first month of life in small-for-date infants. Faus MJ, et al. **Ann Nutr Metab** 1984;28(2):70-6

Peripheral tissue metabolism in cancer-bearing man. Burt ME, et al. **Ann Surg** 1983 Dec;198(6):685-91

Principal components analysis as a tool for the optimization of experimental conditions. Smeyers-Verbeke J, et al. **Arch Int Physiol Biochim** 1983 Dec;91(5):433-41

Plasma amino acid ratio as an index of hepatocellular maturity in the neonate. Glasgow JF, et al. **Biol Neonate** 1983;44(3):146-52

Plasma amino acids of the mid-trimester human fetus. McIntosh N, et al. **Biol Neonate** 1984;45(5):218-24

Plasma amino acids and glucose levels in the rat fetus and dam after chronic maternal alcohol consumption. Marquis SM, et al. **Biol Neonate** 1984;46(1):36-43

Serum and urine amino acid patterns during the first month of life in small-for-date infants. Robles R, et al. **Biol Neonate** 1984;45(5):209-17

Schizophrenia, amino acids, and celiac disease [letter] Manowitz P. **Biol Psychiatry** 1983 Aug;18(8):942-3

Plasma free aminoacids pattern in progressive systemic sclerosis. Oriente P, et al. **Boll Soc Ital Biol Sper** 1984 Mar 30;60(3):641-7

Blood proteins and amino acids of female breeder turkeys fed on maize-soybean diets supplemented with methionine. Cohen-Parsons M, et al. **Br Poult Sci** 1983 Jul;24(3):287-93

Changes of serum amino acids in severely burned patients. Chang XJ, et al. **Burns Incl Therm Inj** 1983 Nov; 10(2):109-15

Flux of amino acids across the leg in weight-losing cancer patients. Bennegård K, et al. **Cancer Res** 1984 Jan; 44(1):386-93

The influence of anticonvulsants on fasting plasma ammonia and amino acid levels. Verity CM, et al. **Clin Biochem** 1983 Dec;16(6):344-5

Amino acid assay in 'high-performance' analyzers [letter] Cole DE, et al. **Clin Chem** 1984 Feb;30(2):331

Glucose in the dialyzate does not reduce the free amino acid loss during routine hemodialysis of non-fasting patients. Ono K, et al. **Clin Nephrol** 1984 Feb;21(2):106-9

Amino acids and thiobarbituric acid reactive substances in cerebrospinal fluid and plasma of patients with septic encephalopathy. Takezawa J, et al. **Crit Care Med** 1983 Nov;11(11):876-9

Changes of the plasma tryptophan to neutral amino acids ratio in formula-fed infants: possible effects on brain development. Dörner G, et al. **Exp Clin Endocrinol** 1983 Nov;82(3):368-71

Sexual differences in serum free amino acid levels in thyropathies. Hušek P, et al. **Exp Clin Endocrinol** 1983 Nov; 82(3):325-30

Characteristic features of plasma amino acid, plasma pancreatic glucagon, serum insulin concentrations in cirrhotic patients with histories of chronic alcohol consumption. Nakatsukasa H, et al. **Gastroenterol Jpn** 1984 Apr;19(2):110-5

Characteristic patterns of free amino acid content in plasma, erythrocytes, lymphocytes, and granulocytes in man. Fukuda K, et al. **Hiroshima J Med Sci** 1983 Jun;32(2):163-6

In vitro adsorption spectrum of plasma amino acids by coated charcoal hemoperfusion. Shi ZQ, et al. **Int J Artif Organs** 1983 Sep;6(5):267-70

Plasma amino acid levels in the first few days after burn injury and their predictive value. Cynober L, et al. **Intensive Care Med** 1983;9(6):325-31

Measurement of free amino acids in avian blood serum by reverse-phase high-performance liquid chromatography as compared to ion-exchange chromatography. Elkin RG. **J Agric Food Chem** 1984 Jan-Feb;32(1):53-7

Effect of various dietary arginine: lysine ratios on performance, carcass composition and plasma amino acid concentrations of growing-finishing swine. Anderson LC, et al. **J Anim Sci** 1984 Feb;58(2):362-8

Effects of excess arginine with and without supplemental lysine on performance, plasma amino acid concentrations and nitrogen balance of young swine. Anderson LC, et al. **J Anim Sci** 1984 Feb;58(2):369-77

A simplified method for the estimation of individual amino acid radioactivity in plasma samples. Roca P, et al. **J Biochem Biophys Methods** 1983 Aug;8(1):63-7

Determination of lodoxamide in plasma using ion-pairing and reversed-phase high-performance liquid chromatography. Honigberg IL, et al. **J Chromatogr** 1983 Aug 12; 276(1):213-7

Electrochemical activity of o-phthalaldehyde-mercaptoethanol derivatives of amino acids. Application to high-performance liquid chromatographic determination of amino acids in plasma and other biological materials. Joseph MH, et al. **J Chromatogr** 1983 Oct 14;277:125-36

Effects of glucagon on plasma amino acids. Boden G, et al. **J Clin Invest** 1984 Mar;73(3):785-93

Free amino acid concentrations in blood cells of two brothers with gyrate atrophy of the choroid and retina with hyperornithinaemia. Fukuda K, et al. **J Inherited Metab Dis** 1983;6(4):137-42

Trace metal requirements in total parenteral nutrition (TPN). 5. Formation constants for the copper(II)—histidine ternary complexes with threonine, lysine, glycine, phenylalanine, valine, and cystine, and discussion of their implications regarding the copper distribution in blood plasma during TPN and the evaluation of the daily dose of copper. Berthon G, et al. **J Inorg Biochem** 1984 Feb;20(2):113-30 (63 ref.)

The treatment of obesity by carbohydrate deprivation suppresses plasma tryptophan and its ratio to other large neutral amino acids. Heraief E, et al. **J Neural Transm** 1983; 57(3):187-95

Effects on plasma amino acid concentrations and hepatic branched-chain alpha-keto acid dehydrogenase activity of feeding rats diets containing 9 or 50% casein. Dixon JL, et al. **J Nutr** 1984 Jun;114(6):1025-34

Plasma amino acids and excretion of protein end products by mice fed 10 or 40% soybean protein diets with or without dietary 2-acetylaminofluorene or N,N-dinitrosopiperazine. Hevia P, et al. **J Nutr** 1984 Mar; 114(3):555-64

Effects of branched-chain alpha-keto acids on plasma amino acid concentrations in carbon tetrachloride-intoxicated rats. Okita M, et al. **J Nutr** 1984 Jul;114(7):1235-41

Regulation of plasma amino acid levels by perfusion of hindquarters of rats. Kadowaki M, et al. **J Nutr Sci Vitaminol (Tokyo)** 1984 Apr;30(2):187-98

Free amino acid concentrations in plasma, erythrocytes, granulocytes, and lymphocytes in umbilical cord blood, children, and adults. Fukuda K, et al. **J Pediatr Gastroenterol Nutr** 1984 Jun;3(3):432-9

The significance of postprandial plasma amino acid determinations in the infant [editorial] LeLeiko NS. **J Pediatr Gastroenterol Nutr** 1984 Mar;3(2):167-9

Fetal and maternal amino acid concentrations during fasting in the ewe. Lemons JA, et al. **J Pediatr Gastroenterol Nutr** 1984 Mar;3(2):249-55

Decrease in plasma amino acids in man after an acute dose of ethanol. Eriksson T, et al. **J Stud Alcohol** 1983 Mar; 44(2):215-21

Influence of nutritional status on exertion-induced forearm amino acid metabolism in normal man. Lowry SF, et al. **J Surg Res** 1984 May;36(5):438-45

Plasma amino acid concentrations in newborn infants during parenteral nutrition. Andersen GE, et al. **JPEN** 1983 Jul-Aug;7(4):369-73

Red cell and plasma amino acid concentrations in renal failure. Flügel-Link RM, et al. **JPEN** 1983 Sep-Oct; 7(5):450-6

Comparison of amino acid levels in rat blood obtained by catheterization and decapitation. Milakofsky L, et al. **Life Sci** 1984 Apr 2;34(14):1333-40

Changes in plasma amino acid patterns in chronic alcoholic patients during ethanol withdrawal syndrome: their clinical implications. Majumdar SK, et al. **Med Hypotheses** 1983 Nov;12(3):239-51

The plasma amino acid response to cafeteria feeding in the rat: influence of hyperphagia, sucrose intake, and exercise. Calles-Escandon J, et al. **Metabolism** 1984 Apr;33(4):364-8

Homocystinuria versus Marfan's syndrome: the therapeutic relevance of the differential diagnosis. Boers GH, et al. **Neth J Med** 1984;27(6):206-12

Transformation of blood group antigens and release of amino acids induced by dispase treatment. Ikemoto S, et al. **Nippon Hoigaku Zasshi** 1984 Feb;38(1):1-4

Correlative relationship between biochemical activity and aggressive behaviour. Davis BA, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1983; 7(4-6):529-35

A study of the catabolism of trace amines in mentally disordered individuals with particular reference to agoraphobic patients with panic attacks. Yu PH, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1983; 7(4-6):611-5

Differential response of plasma glucose, amino acids and nonesterified fatty acids to insulin in depressed patients. Menna-Perper M, et al. **Psychoneuroendocrinology** 1984; 9(2):161-71

Alterations in neutral amino acid transport across the blood-brain barrier in hepatic failure. Watanabe A, et al. **Res Exp Med (Berl)** 1983;183(1):11-8

Nutrients, neurotransmitter synthesis, and the control of food intake. Wurtman RJ, et al. **Res Publ Assoc Res Nerv Ment Dis** 1984;62:77-86

Pattern of serum amino acids in patients with liver cirrhosis. Influence of shunt surgery and transesophageal sclerotherapy. Joelsson B, et al. **Scand J Gastroenterol** 1984 Jun;19(4):547-51

Plasma amino acid and serum unesterified fatty acid deficits and the effect of nutritional support in chemotherapy treatment. Ching N, et al. **Surgery** 1984 Jun;95(6):730-8

Early changes in thioacetamide-induced liver damage. Trennery PN, et al. **Toxicol Lett** 1983 Dec;19(3):299-307

Silicone as coating material for hemoperfusion. Otsubo O, et al. **Trans Am Soc Artif Intern Organs** 1983;29:480-4

Portocaval hemofiltration during the anhepatic phase in isolated liver perfusion. Wizemann V, et al. **Trans Am Soc Artif Intern Organs** 1983;29:485-7

Evaluation of muscle protein breakdown in lactating cows from urinary excretion of 3-methyl histidine and plasma amino acid levels. Motyl T, et al. **Z Tierphysiol Tiernahr Futtermittelkd** 1984 Feb; 51(1-2):51-7

[Plasma amino acid patterns in 42 normal Chinese] Lu YJ. **Chung Hua Wai Ko Tsa Chih** 1983 Sep;21(9):528-32 (Eng. Abstr.) **(Chi)**

[Evaluation of reliability of urinary creatinine excretion, cell mediated immune function and plasma amino acid in nutritional assessment of surgical patients] Yang ZJ. **Chung Hua Wai Ko Tsa Chih** 1983 Dec;21(12):720-3 (Eng. Abstr.) **(Chi)**

[Determination of amino acid patterns in human plasma with liquid column chromatography] Lu YJ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1983 Feb; 5(1):60-3 (Eng. Abstr.) **(Chi)**

[Amino acid metabolism in infection] Holm E, et al. **Beitr Infusionther Klinis Ernahr** 1983;10:182-95 **(Ger)**

[Effect of energy administration on the amino acid level in the postoperative phase] de Oca J, et al. **Infusionsther Klin Ernahr** 1984 Feb;11(1):26-30 (Eng. Abstr.) **(Ger)**

[Nocturnal levels of serum aminoacids and growth hormone] Gründig E, et al. **Wien Med Wochenschr** 1984 Mar 31; 134(6):133-6 (Eng. Abstr.) **(Ger)**

[Effect of orally-administered triglycerides on muscle proteolysis in the rat] Kaufmann T, et al. **Z Ernahrungswiss** 1983 Sep;22(3):169-84 (Eng. Abstr.) **(Ger)**

[Amino acid metabolism in post-stress metabolism] Wustmann M, et al. **Z Exp Chir Transplant Kunstliche Organe** 1984;17(3):152-67 (Eng. Abstr.) **(Ger)**

[Blood amino acids in chronic HBsAg positive liver disease] De Marco F, et al. **Boll Soc Ital Biol Sper** 1983 Oct 30; 59(10):1576-81 (Eng. Abstr.) **(Ita)**

[Comparative research on blood amino acids among carriers of neoplasms in the digestive tract and other locations] Morisio Guidetti L. **Boll Soc Ital Biol Sper** 1983 Oct 30; 59(10):1531-7 (Eng. Abstr.) **(Ita)**

[Blood amino acids pattern in Cushing's syndrome] Morosini PP, et al. **G Clin Med** 1983 Dec;64(12):555-9 (Eng. Abstr.) **(Ita)**

[Aminoacidoagram in acromegaly patients] Morosini PP, et al. **G Clin Med** 1984 Mar-Apr;65(3-4):183-8 (Eng. Abstr.) **(Ita)**

[Validity of the blood amino acid test in cancer diagnosis] Sabbatini A, et al. **Minerva Med** 1984 Feb 18;75(6):277-80 **(Ita)**

[Effects of maltose infusion on amino acid composition of maternal venous blood and fetal blood in utero] Nishijima M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1983 Dec; 35(12):2339-48 (Eng. Abstr.) **(Jpn)**

[Changes of plasma amino acids and plasma transferrin in alcoholic liver diseases] Morikawa T. **Nippon Shokakibyo Gakkai Zasshi** 1984 Apr;81(4):1005-11 (Eng. Abstr.) **(Jpn)**

[Modification of the amino acid residues in the serum albumin of oncological patients] Borisenko SN, et al. **Biull Eksp Biol Med** 1984 Jul;97(7):61-3 (Eng. Abstr.) **(Rus)**

[Concentration of free amino acids in plasma in progressive neuromuscular disorders] Badalian LO, et al. **Klin Med (Mosk)** 1983 Sep;61(9):63-6 (11 ref.) **(Rus)**

[Free amino acid content in the blood plasma of cosmonauts before and after a 175-day flight on Saliut-6] Popov IG, et al. **Kosm Biol Aviakosm Med** 1984 Mar-Apr;18(2):26-33 (Eng. Abstr.) **(Rus)**

[Free amino acids in blood plasma during hypokinesia] Popov IG, et al. **Kosm Biol Aviakosm Med** 1984 May-Jun; 18(3):25-34 (Eng. Abstr.) **(Rus)**

[Free amino acids in the blood before and after short-term space flight] Vlasova TF, et al. **Kosm Biol Aviakosm Med** 1983 Sep-Oct;17(5):43-5 (Eng. Abstr.) **(Rus)**

[Effect of hypokinesia on amino acid metabolism in rats on diets containing different amounts of calcium and phosphorus] Vlasova .TF, et al. **Kosm Biol Aviakosm Med** 1983 Sep-Oct;17(5):58-60 (Eng. Abstr.) **(Rus)**

[Free plasma and erythrocyte amino acids as an index of degree of adaptation to the myodystrophic process in different forms of progressive muscular dystrophy] Badalian LO, et al. **Lab Delo** 1983;(10):34–7 (Eng. Abstr.) **(Rus)**

[Effect of chronic kidney failure and hemodialysis on serum amino acid composition] Riabov SI, et al. **Ter Arkh** 1983; 55(11):103–7 **(Rus)**

[Effect of carbostimulin on the concentration of tricarboxylic cycle metabolites, oxidative processes and antibody biosynthesis in the rat] Zhuravskii NI, et al. **Ukr Biokhim Zh** 1984 Jan–Feb;56(1):88–91 (Eng. Abstr.) **(Rus)**

[Excretion of cholecystokinin–pancreozymin, state of the trypsin–inhibitory system and free amino acids in the blood in acute cholecystitis] Dudenko GI, et al. **Vrach Delo** 1984 Mar;(3):28–31 (Eng. Abstr.) **(Rus)**

[Spectrum of plasma free amino acids in multiple sclerosis patients] Ivanokov AN, et al. **Zh Nevropatol Psikhiatr** 1984; 84(2):185–9 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

Amino acid metabolism in the brain with convulsive disorders. Part 3: Free amino acid patterns in cerebrospinal fluid in infants and children with convulsive disorders. Honda T. **Brain Dev** 1984;6(1):27–32

Amino acids in plasma and CSF and monoamine metabolites in CSF: interrelationship in healthy subjects. Hagenfeldt L, et al. **J Neurochem** 1984 Mar;42(3):833–7

[Comparative study of amino acids in cerebrospinal fluid and blood in premature infants with perinatal encephalopathies] Chubakova TK. **Pediatriia** 1984 Mar;(3):29–31 (Eng. Abstr.) **(Rus)**

[Concentration of free amino acids and homocarnosine dipeptide in the cerebrospinal fluid of children with hydrocephalus] Bondarenko TI, et al. **Zh Nevropatol Psikhiatr** 1983;83(10):1484–8 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

Syntheses of optically active amino acids by the combination of chemical methods and microbial techniques. Yokozeki K, et al. **Ann NY Acad Sci** 1983;413:551–3

Synthesis of N–(1–deoxyhexitol–1–yl)amino acids, reference compounds for the nonenzymic glycosylation of proteins. Walton DJ, et al. **Carbohydr Res** 1984 May 15;128(1):37–49

Synthesis of some 3–hydroxynaphthalene–2–carbonylamino acid and dipeptide derivatives. El–Naggar AM, et al. **Int J Pept Protein Res** 1983 Aug;22(2):251–6

Synthesis and transport applications of 3–aminobicyclo[3.2.1] octane–3–carboxylic acids. Christensen HN, et al. **J Med Chem** 1983 Oct;26(10):1374–8

On the abiotic formation of amino acids. I. HCN as a precursor of amino acids detected in extracts of lunar samples. II. Formation of HCN and amino acids from simulated mixtures of gases released from lunar samples. Yuasa S, et al. **J Mol Evol** 1984;20(1):52–8

Prebiotic synthesis of amino acids from formaldehyde and hydroxylamine in a modified sea medium. Sakurai M, et al. **Orig Life** 1984;14(1–4):171–6

Novel formation of alpha–amino acids from alpha–oxo acids and ammonia in an aqueous medium. Yanagawa H, et al. **Orig Life** 1984;14(1–4):163–9

[Benzhydryl derivatives (3). Synthesis of diphenylacetylamino acids and their effects on tumor cells in culture] Takemura S, et al. **Yakugaku Zasshi** 1983 Apr; 103(4):480–2 (Eng. Abstr.) **(Jpn)**

DEFICIENCY

Cataract formation following limited amino acid intake during gestation and lactation. Bunce GE, et al. **Proc Soc Exp Biol Med** 1984 Sep;176(4):485–9

[Effect of lysine, threonine, methionine and vitamin A, C and E deficiency on the liver microsome enzyme system responsible for metabolizing foreign compounds in the rat] Nurmagambetov TZh, et al. **Vopr Pitan** 1984 Jan–Feb; (1):40–3 (Eng. Abstr.) **(Rus)**

DIAGNOSTIC USE

Measurement of cross–linked elastin synthesis in bleomycin–induced pulmonary fibrosis using a highly sensitive assay for desmosine and isodesmosine. Cantor JO, et al. **J Lab Clin Med** 1984 Mar;103(3):384–92

Evaluation of different 15N–tracer substances for calculation of whole body protein parameters in infants. Heine W, et al. **J Pediatr Gastroenterol Nutr** 1983 Nov;2(4):599–605

GENETICS

Hydropathic anti–complementarity of amino acids based on the genetic code. Blalock JE, et al. **Biochem Biophys Res Commun** 1984 May 31;121(1):203–7

A unifying concept for the amino acid code. Swanson R. **Bull Math Biol** 1984;46(2):187–203

Inhibition of aminoacyl–transfer RNA formation by low–molecular substances from melanoma extract. Ishikawa K, et al. **Gann** 1984 Jan;75(1):43–52

Succinamopine: a new crown gall opine. Chilton WS, et al. **J Bacteriol** 1984 Feb;157(2):357–62

Amino terminus of outer membrane PhoE protein: localization by use of a bla–phoE hybrid gene. Tommassen J, et al. **J Bacteriol** 1984 Jan;157(1):327–9

Halobacterium volcanii tRNAs. Identification of 41 tRNAs covering all amino acids, and the sequences of 33 class I tRNAs. Gupta R. **J Biol Chem** 1984 Aug 10; 259(15):9461–71

Clustering of transfer RNAs by cell type and amino acid specificity. Nicholas HB Jr, et al. **J Mol Biol** 1983 Dec 5;171(2):111–8

Temporal analysis of general control of amino acid biosynthesis in Saccharomyces cerevisiae: role of positive regulatory genes in initiation and maintenance of mRNA derepression. Penn MD, et al. **Mol Cell Biol** 1984 Mar; 4(3):520–8

Coupled amino acid vestiges of the primordial genetic code. Grafstein D. **Orig Life** 1984;14(1–4):589–96

[Expression of the amino acid operons in Escherichia coli strains with an altered transcription and translation apparatus. III. The effect of mutations in the rpoB gene coding for the beta–subunit of RNA–poly–merase on ilv–operon expression] Gordeev VK, et al. **Genetika (Moskva)** 1983 Sep;19(9):1426–32 (Eng. Abstr.) **(Rus)**

[Expression of the amino acid operons in Escherichia coli strains with an altered transcription and translation apparatus. IV. The effect of mutations disturbing the coupling of the transcription and translation processes on ilv–operon expression in cells carrying the mutation in the spoT gene] Gordeev VK, et al. **Genetika (Moskva)** 1983 Sep;19(9):1433–8 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Separation of dimethylaminoazobenzenethiohydantoin amino acids by high–performance liquid chromatography at low picomole concentrations. Yang CY, et al. **Anal Biochem** 1984 Feb;137(1):54–7

A search for D–amino acids in tumor tissue. Stroud ED, et al. **Biochem Med** 1984 Apr;31(2):254–6

High–performance liquid chromatography of amino acids, peptides and proteins. XLVIII. Retention behaviour of tryptic peptides of human growth hormone isolated by reversed–phase high–performance liquid chromatography: a comparative study using different chromatographic conditions and predicted elution behaviour based on retention coefficients. Grego B, et al. **J Chromatogr** 1983 Aug 26;266:89–103

The relationship of chromium to the glucose tolerance factor. II. Haylock SJ, et al. **J Inorg Biochem** 1983 Oct; 19(2):105–17

Amino acids in the dorsal lateral geniculate nucleus of the cat—collection in vivo. Sandberg M, et al. **J Neurosci Methods** 1983 Sep;9(1):65–74

[Isolation of amino acids from silkworm pupae] Xiao CH. **Chung Yao Tung Pao** 1983 Sep;8(5):28–31 **(Chi)**

[Nonreducible cross–link in dentin collagen. Isolation and characterization of cross–linked peptides containing pyridinoline] Tsuzaki M. **Kokubyo Gakkai Zasshi** 1983 Sep; 50(3):418–32 (Eng. Abstr.) **(Jpn)**

[Isolation of L–amino acids from the products of protein hydrolysis from offals of bovine skin] Goldnik A, et al. **Acta Pol Pharm** 1983;40(3):377–82 (Eng. Abstr.) **(Pol)**

[Characterization of the subunits of botulinum neurotoxin type A] Vinogradova ID, et al. **Biokhimiia** 1984 Mar; 49(3):426–31 (Eng. Abstr.) **(Rus)**

METABOLISM

A study evaluating the metabolism of Vaminolac in the sick preterm infant. Griffin EA, et al. **Acta Chir Scand [Suppl]** 1983;517:89–101

Muscle and plasma amino acids after Neopham therapy in adult surgical patients. Kinney JM. **Acta Chir Scand [Suppl]** 1983;517:103–11

Regulatory influence of relaxin on human cervical and uterine connective tissue. Wiqvist I, et al. **Acta Endocrinol (Copenh)** 1984 May;106(1):127–32

Placental transfer of aromatic amino acids in non–human primates. Pueschel SM, et al. **Acta Obstet Gynecol Scand** 1983;62(5):425–30

Purine synthesis during amino acid starvation of lymphoblasts with HPRT deficiency or PP–ribose–P synthetase overactivity decreases less than in normal cells. Boss GR. **Adv Exp Med Biol** 1984;165 Pt B:15–9

Enhanced muscle protein degradation and amino acid release from the hemicorpus of acutely uremic rats. Flugel–Link RM, et al. **Adv Exp Med Biol** 1984;167:545–55

Catabolic stress on intracellular amino acid pool. Fürst P. **Adv Exp Med Biol** 1984;167:571–9

Purine, thymidylate and amino acid requirements for human lymphocyte transformation and fragile chromosome site expression. Snyder FF, et al. **Adv Exp Med Biol** 1984;165 Pt A:397–400

Possible importance of protein digestibility and bioavailability of amino acids. Carpenter KJ. **Am J Clin Nutr** 1984 Sep; 40(3 Suppl):704–10 (20 ref.)

Effects of aspartame and glucose administration on brain and plasma levels of large neutral amino acids and brain 5–hydroxyindoles. Yokogoshi H, et al. **Am J Clin Nutr** 1984 Jul;40(1):1–7

Nitrogen–14 nuclear magnetic resonance spectroscopy of mammalian tissues. Balaban RS, et al. **Am J Physiol** 1983 Nov;245(5 Pt 1):C439–44

Regulation of protein synthesis in lung by amino acids and insulin. Besterman JM, et al. **Am J Physiol** 1983 Nov;245(5 Pt 1):E508–14

Free amino acid uptake by bivalves [letter] Deaton LE. **Am J Physiol** 1984 Apr;246(4 Pt 2):R637–9

Adaptive regulation of sugar and amino acid transport by vertebrate intestine. Karasov WH, et al. **Am J Physiol** 1983 Oct;245(4):G443–62 (196 ref.)

Effects of catecholamines and ammonia on plasma and brain amino acids in dogs. Strombeck DR, et al. **Am J Physiol** 1984 Aug;247(2 Pt 1):E276–83

Regulation of protein turnover by glucose, insulin, and amino acids in adipose tissue. Tischler ME, et al. **Am J Physiol** 1984 Sep;247(3 Pt 1):C228–33

Postnatal development of renal tubular amino acid reabsorption in canine pups. Bovee KC, et al. **Am J Vet Res** 1984 Apr;45(4):830–2

An in vitro amino acid incorporation method for assessing the status of in vivo protein synthesis. Nowak TS Jr, et al. **Anal Biochem** 1984 Feb;136(2):285–92

Protein metabolism and injury. Kinney JM, et al. **Annu Rev Nutr** 1983;3:433–66 (164 ref.)

Intestinal transport of amino acids and sugars: advances using membrane vesicles. Stevens BR, et al. **Annu Rev Physiol** 1984;46:417–33 (48 ref.)

Incorporation of amino acid–derived carbon into tylactone by Streptomyces fradiae GS14. Dotzlaf JE, et al. **Antimicrob Agents Chemother** 1984 Feb;25(2):216–20

Amino acid and lactate catabolism in trimethylamine oxide respiration of Alteromonas putrefaciens NCMB 1735. Ringø E, et al. **Appl Environ Microbiol** 1984 May; 47(5):1084–9

Effect of carbon monoxide on fermentation of fiber, starch, and amino acids by mixed rumen microorganisms ir. vitro. Russell JB, et al. **Appl Environ Microbiol** 1984 Jul; 48(1):211–7

A simple and efficient method for reconstitution of amino acid and glucose transport systems from Ehrlich ascites cells. McCormick JI, et al. **Arch Biochem Biophys** 1984 Jun;231(2):355–65

Distribution of amino acids and amino–acid enzymes in whole kidney and renal cortex. Effect of 24–h starvation. Remesar X, et al. **Arch Int Physiol Biochim** 1983 Nov;91(4):255–60

Olivary projections from the pretectal region in the cat studied with horseradish peroxidase and tritiated amino acids axonal transport. Kawamura K, et al. **Arch Ital Biol** 1984 Jun;122(2):155–68

On the occurrence of enoate reductase and 2–oxo–carboxylate reductase in clostridia and some observations on the amino acid fermentation by Peptostreptococcus anaerobius. Giesel H, et al. **Arch Microbiol** 1983 Aug;135(1):51–7

The free amino acids in human dental plaque. Singer DL, et al. **Arch Oral Biol** 1983;28(9):873–8

Amino acid transport in human tonsillar lymphocytes with regard to patient's age and tonsillar diseases. Shido F, et al. **Arch Otorhinolaryngol** 1984;239(2):163–71

Erroneous synthesis of ribosomal proteins in amino acid starved E. coli. Andrieux E, et al. **Biochem Biophys Res Commun** 1984 Jan 13;118(1):246–53

Post–translational control by carrier availability of amino acid transport in fetal human fibroblasts. Gazzola GC, et al. **Biochem Biophys Res Commun** 1984 Apr 16;120(1):172–8

Stimulation of synaptosomal uptake of neurotransmitter amino acids by insulin: possible role of insulin as a neuromodulator. Rhoads DE, et al. **Biochem Biophys Res Commun** 1984 Mar 30; 119(3):1198–204

Amino acid distribution in brain after use of amphetamines and beta–phenylethylamine. Widelitz MM, et al. **Biochem Biophys Res Commun** 1984 Jul 18;122(1):143–50

Amino acid transport: its role in cell division and growth of Saccharomyces cerevisiae cells. Dudani AK, et al. **Biochem Int** 1983 Jul;7(1):15–22

Effects of the metabolites of the branched–chain amino acids and cysteamine on the glycine cleavage system. Hayasaka K, et al. **Biochem Int** 1983 Feb;6(2):225–30

gamma–Glutamyltransferase is not involved in the bulk uptake of amino acids, peptides or gamma–glutamyl–amino acids in yeast (Saccharomyces cerevisiae). Payne GM, et al. **Biochem J** 1984 Feb 15;218(1):147–55

The influence of starvation and tryptophan administration on the metabolism of phenylalanine, tyrosine and tryptophan in isolated rat liver cells. Salter M, et al. **Biochem J** 1984 Jul 15;221(2):431–8

Effect of starvation and refeeding on amino acid uptake by mammary gland of the lactating rat. Role of ketone bodies. Viña JR, et al. **Biochem J** 1983 Nov 15;216(2):343–7

The roles of insulin and glucagon in the regulation of amino acid turnover rate and pool size: in vivo study with [15N]glycine and gas chromatography—mass spectrometry. Nissim I, et al. **Biochem Med** 1984 Apr; 31(2):185–200

Alteration of delta psi–dependent amino acid transports in Streptococcus pneumoniae by the antitumoral drug SOAz. Trombe MC, et al. **Biochem Pharmacol** 1984 Sep 1; 33(17):2749–53

Disorders of amino acid transport. Segal S. **Biochem Soc Trans** 1983 Dec;11(6):633–4

Amino acid metabolism in hepatocytes isolated from lactating rats. Agius L. **Biochim Biophys Acta** 1984 Aug 21; 800(3):306–8

Quantitative changes in aminoacylation of transfer RNA and

in free amino acids during fructose-induced depletion of adenine nucleotides in rat liver. Lindqvist L, et al. **Biochim Biophys Acta** 1983 Sep 22;763(2):107–11

Stoichiometry of H+/amino acid cotransport in Neurospora crassa revealed by current–voltage analysis. Sanders D, et al. **Biochim Biophys Acta** 1983 Oct 26;735(1):67–76

Incorporation of modified amino acids into proteins in vivo. Wilson MJ, et al. **Biochim Biophys Acta** 1984 Apr 5; 781(3):205–15 (168 ref.)

Amino acid absorption in lepidopteran larvae midgut. Giordana B, et al. **Boll Soc Ital Biol Sper** 1984 May 30; 60 Suppl 4:183–8

Transtubular transport of D-glucose and organic acids in the 'in vitro' blood perfused rabbit kidney. Milla E. **Boll Soc Ital Biol Sper** 1984 May 30;60 Suppl 4:175–81

Incorporation of nitrogen into rumen bacterial fractions of steers given protein- and urea-containing diets. Ammonia assimilation into intracellular bacterial amino acids. Blake JS, et al. **Br J Nutr** 1983 Nov;50(3):769–82

Determination of amino acid requirements of young pigs using an indicator amino acid. Kim KI, et al. **Br J Nutr** 1983 Sep;50(2):369–82

Amino acid oxidation by young pigs receiving diets with varying levels of sulphur amino acids. Kim KI, et al. **Br J Nutr** 1983 Sep;50(2):383–90

Influence of caecectomy and source of dietary fibre or starch on excretion of endogenous amino acids by laying hens. Parsons CM. **Br J Nutr** 1984 May;51(3):541–8

The nutritive value of rumen micro-organisms in ruminants. 3. The digestion of microbial amino and nucleic acids in, and losses of endogenous nitrogen from, the small intestine of sheep. Storm E, et al. **Br J Nutr** 1983 Sep;50(2):479–85

The effects of dietary intake and of dietary concentration of copper sulphate on the laying domestic fowl: effects on some aspects of lipid, carbohydrate and amino acid metabolism. Pearce J, et al. **Br Poult Sci** 1983 Jul; 24(3):337–48

Amino acid metabolism in the brain with convulsive disorders. Part I: Free amino acid patterns in the brain of El mouse with convulsive seizure. Honda T. **Brain Dev** 1984;6(1):17–21

Amino acid metabolism in the brain with convulsive disorders. Part 2: The effects of anticonvulsants on convulsions and free amino acid patterns in the brain of El mouse. Honda T. **Brain Dev** 1984;6(1):22–6

Amino acid transmitter candidates in various regions of the primary olfactory cortex following bulbectomy. Collins GG. **Brain Res** 1984 Mar 26;296(1):145–7

Neurotransmitter amino acids in the CNS. I. Regional changes in amino acid levels in rat brain during ischemia and reperfusion. Erecińska M, et al. **Brain Res** 1984 Jun 18;304(1):9–22

Acidic amino acid binding sites in mammalian neuronal membranes: their characteristics and relationship to synaptic receptors. Foster AC, et al. **Brain Res** 1984 May; 319(2):103–64 (315 ref.)

Accumulation of putative amino acid neurotransmitters, monoamines and D-Ala2-Met-enkephalinamide in primary astroglial cultures from various brain areas, visualized by autoradiography. Hansson E. **Brain Res** 1983 Dec 19; 289(1–2):189–96

Neurotransmitter amino acids in the CNS. II. Some changes in amino acid levels in rat brain synaptosomes during and after in vitro anoxia and simulated ischemia. Hauptman M, et al. **Brain Res** 1984 Jun 18;304(1):23–35

Veratridine-induced release in vivo and in vitro of amino acids in the rabbit olfactory bulb. Jacobson I, et al. **Brain Res** 1984 May 7;299(1):103–12

Neutral amino acid transport by plasma membrane vesicles of the rabbit choroid plexus. Ross HJ, et al. **Brain Res** 1984 Mar 12;295(1):155–60

Free amino acid pool of a sea anemone: exposure and recovery after an oil spill. Kasschau MR, et al. **Bull Environ Contam Toxicol** 1984 Jul;33(1):56–62

Effects of NaCl on the uptake of alpha-[14C]aminoisobutyric acid by the halotolerant bacterium Halomonas elongata. Martin EL, et al. **Can J Microbiol** 1983 Oct;29(10):1424–9

Mobilization of amino acids in tumor cells by hyperthermia. Yi PN, et al. **Cell Biol Int Rep** 1983 Oct;7(10):797–806

Transport of amino acids and nucleosides in metaphase-arrested unfertilized oocytes of Xenopus laevis. Jung D, et al. **Cell Differ** 1984 Jun;14(2):99–103

Amino acid and protein metabolism in hospitalized patients as measured by L-[U-14C]tyrosine and L-[1-14C]leucine. Desai SP, et al. **Clin Sci** 1983 Nov;65(5):499–505

Cell membrane amino acid transport processes in the domestic fowl (Gallus domesticus). Lerner J. **Comp Biochem Physiol [A]** 1984;78(2):205–15 (86 ref.)

Na+-gradient dependence of basic amino acid transport into rat intestinal brush border membrane vesicles. Wolfram S, et al. **Comp Biochem Physiol [A]** 1984;78(3):475–80

Histidine-rich protein as a possible origin of free amino acids of stratum corneum. Horii I, et al. **Curr Probl Dermatol** 1983;11:301–15

Amino acid utilization by Vero cells in microcarrier culture. Polastri GD, et al. **Dev Biol Stand** 1983;55:53–6

Effects of ethanol and/or caffeine on fetal development and placental amino acid uptake in rats. Henderson GI, et al. **Dev Pharmacol Ther** 1984;7(3):177–87

Availability of amino acids in monogastric animals. Variations of digestive origin. Darcy B. **Diabete Metab** 1984 May;10(2):121–33

Protein digestion and absorption after massive small bowel resection. Curtis KJ, et al. **Dig Dis Sci** 1984 Sep; 29(9):834–40

Autoregulation by iodine of thyroid protein synthesis: influence of iodine on amino acid transport in cultured thyroid cells. Filetti S, et al. **Endocrinology** 1984 Apr; 114(4):1379–85

Amino acid neurotransmitters and new approaches to anticonvulsant drug action. Meldrum B. **Epilepsia** 1984;25 Suppl 2:S140–9 (65 ref.)

Methylated proteins and amino acids in the ribosomes of Saccharomyces cerevisiae. Lhoest J, et al. **Eur J Biochem** 1984 Jun 15;141(3):585–90

Redox-linked proton translocation in the b–c1 complex from beef-heart mitochondria reconstituted into phospholipid vesicles. Studies with chemical modifiers of amino acid residues. Lorusso M, et al. **Eur J Biochem** 1983 Dec 15; 137(3):413–20

Tumor detection with carbon-11-labelled amino acids. Kubota K, et al. **Eur J Nucl Med** 1984;9(3):136–40

Osmoregulation of amino acid transport activity in cultured fibroblasts. Tramacere M, et al. **Exp Cell Res** 1984 Mar; 151(1):70–9

Comparative study of the internalization and nuclear localization of amino acid type hormones in Tetrahymena and rat lymphocytes. Csaba G, et al. **Exp Clin Endocrinol** 1983 Jul;82(1):61–7

Study of the relationship between free amino acids and cataract in human lenses. Chauhan BS, et al. **Exp Eye Res** 1984 Feb;38(2):177–9

Age-related changes in amino acid pool sizes in the adult silkmoth, Bombyx mori, reared at low and high temperature; a biochemical examination of the rate-of-living theory and urea accumulation when reared at high temperature. Osanai M, et al. **Exp Gerontol** 1984; 19(1):37–51

Degradation of elastin in experimental elastase-induced emphysema measured by a radioimmunoassay for desmosine. Kuhn C 3d, et al. **Exp Lung Res** 1983 Sep; 5(2):115–23

Axoplasmic incorporation of amino acids in a myelinated fiber exceeds that of its soma: a radioautographic study. Alvarez J, et al. **Exp Neurol** 1983 Oct;82(1):25–42

Axoplasmic incorporation of amino acids in myelinated fibers of the cat. Contreras G, et al. **Exp Neurol** 1983 Dec; 82(3):581–93

Amino acid signals and food intake and preference: relation to body protein metabolism. Harper AE, et al. **Experientia [Suppl]** 1983;44:107–34 (58 ref.)

Food processing and storage as a determinant of protein and amino acid availability. Hurrell RF, et al. **Experientia [Suppl]** 1983;44:135–56 (34 ref.)

Transport of sugars or amino acids increases potassium efflux from isolated enterocytes. Brown PD, et al. **FEBS Lett** 1983 Nov 14;163(2):203–6

Role of protein degradation in the regulation of cellular protein content and amino acid pools. Scornik OA. **Fed Proc** 1984 Apr;43(5):1283–8 (47 ref.)

Transport of potassium, amino acids, and glucose in cells transformed by Rous sarcoma virus. Weber MJ, et al. **Fed Proc** 1984 Jan;43(1):107–12

Deacylation of acetylated amino acids by the esterase from Mycobacterium phlei. Nohýnek M, et al. **Folia Microbiol (Praha)** 1984;29(3):205–8

The effect of long-term ethanol maternal ingestion and withdrawal on brain regional monoamine and amino acid precursors in 15-day-old rats. Mena MA, et al. **Gen Pharmacol** 1984;15(2):151–4

Splanchnic exchange of glucose, amino acids and free fatty acids in patients with chronic inflammatory bowel disease. Eriksson LS. **Gut** 1983 Dec;24(12):1161–8

Amino acid and lipid composition of refringent granules from the ameboid sperm of Ascaris suum (Nematoda). Abbas MK, et al. **Histochemistry** 1984;81(1):59–65

Characteristics of amino acid transport in Saccharomyces cerevisiae cells: Part I—By using respiratory sufficient (rho+) & respiratory deficient (rho) mutants. Verma RS, et al. **Indian J Biochem Biophys** 1983 Apr;20(2):104–9

Stickland reactions of dental plaque. Curtis MA, et al. **Infect Immun** 1983 Oct;42(1):431–3

Inhibition of protein and aminoacyl-tRNA synthesis, and binding and transport sites for aromatic amino acids in the brain in vitro with aromatic acids. Lähdesmäki P. **Int J Neurosci** 1984 Mar;23(1):1–13

Free aminoacid pool and proteolytic enzymes in Trypanosoma cruzi cultured in vitro. O'Daly JA, et al. **Int J Parasitol** 1983 Oct;13(5):433–40

Impact of lead on nucleic acids and incorporation of labelled amino acid into protein. Dhar A, et al. **Int J Vitam Nutr Res** 1983;53(3):349–54

Diurnal variations in amino acid incorporation into inner segment opsin. Matsumoto B, et al. **Invest Ophthalmol Vis Sci** 1984 Jan;25(1):1–9

Protein-amino nutrition of nonruminant animals with emphasis on the pig: past, present and future. Baker DH, et al. **J Anim Sci** 1983 Jul;57 Suppl 2:284–99 (183 ref.)

Isolation-perfusion of ovine hind limbs. IV. Effects of level of activity on amino acid and glucose metabolism. Gill WW, et al. **J Anim Sci** 1984 Jun;58(6):1437–45

The effect of gastric loads of sugars and amino acids on milk intake of suckling pigs. Houpt KA, et al. **J Anim Sci** 1983 Aug;57(2):413–7

Protein degradation in the rumen and amino acid absorption in the small intestine of lactating dairy cattle fed various protein sources. Santos KA, et al. **J Anim Sci** 1984 Jan; 58(1):244–55

Amino acid precursors of Myxococcus xanthus antibiotic TA. Fytlovitch S, et al. **J Antibiot (Tokyo)** 1983 Nov; 36(11):1525–30

Peptide antibiotic K-582 production in relation to amino acid metabolism in Metarrhizium anisopliae. Ito-Kagawa M, et al. **J Antibiot (Tokyo)** 1984 May;37(5):487–93

The uptake and utilization of Entodinium caudatum, bacteria, free amino acids and glucose by the rumen ciliate Entodinium bursa. Coleman GS, et al. **J Appl Bacteriol** 1984 Apr;56(2):283–94

Available amino acid score for evaluating protein quality of foods. Sarwar G. **J Assoc Off Anal Chem** 1984 May–Jun; 67(3):623–6

Participation of an extracellular deaminase in amino acid utilization by Neurospora crassa. DeBusk RM, et al. **J Bacteriol** 1984 Aug;159(2):583–9

Different effect of amino acid deprivation on syntheses of intra- and extracellular proteins in rat hepatocytes in primary culture. Tanaka K, et al. **J Biochem (Tokyo)** 1983 Oct;94(4):1339–48

Induction of amino acid transport system A in rat hepatocytes is blocked by tunicamycin. Barber EF, et al. **J Biol Chem** 1983 Oct 10;258(19):11851–5

Decreased phosphoribosylpyrophosphate as the basis for decreased purine synthesis during amino acid starvation of human lymphoblasts. Boss GR. **J Biol Chem** 1984 Mar 10;259(5):2936–41

Effect of ammonia on amino acid uptake by brain microvessels. Cardelli-Cangiano P, et al. **J Biol Chem** 1984 Apr 25;259(8):5295–300

Polyphosphate-cation interaction in the amino acid-containing vacuole of Neurospora crassa. Cramer CL, et al. **J Biol Chem** 1984 Apr 25;259(8):5152–7

Ethanol treatment selectively decreases neutral amino acid transport in cultured hepatocytes. Dorio RJ, et al. **J Biol Chem** 1984 Sep 25;259(18):11430–5

Adrenergic and serotonergic regulation of skeletal muscle metabolism in rat. I. The effects of adrenergic and serotonergic antagonists on the regulation of muscle amino acid release, glycogenolysis, and cyclic nucleotide levels. Ezrailson EG, et al. **J Biol Chem** 1983 Oct 25; 258(20):12494–8

Induction and decay of amino acid transport in the liver. Turnover of transport activity in isolated hepatocytes after stimulation by diabetes or glucagon. Handlogten ME, et al. **J Biol Chem** 1984 Mar 25;259(6):3519–25

Inhibition of intracellular proteolysis in muscle cultures by multiplication-stimulating activity. Comparison of effects of multiplication-stimulating activity and insulin on proteolysis, protein synthesis, amino acid uptake, and sugar transport. Janeczko RA, et al. **J Biol Chem** 1984 May 25; 259(10):6292–7

Reconstitution and partial purification of several Na+ cotransport systems from renal brush-border membranes. Properties of the L-glutamate transporter in proteoliposomes. Koepsell H, et al. **J Biol Chem** 1984 May 25;259(10):6548–58

Inhibition of sodium-independent amino acid transport by dexamethasone in rat hepatoma cells. Nadziejko CE, et al. **J Biol Chem** 1984 Jan 10;259(1):394–8

The interaction of aromatic amino acids with rat liver phenylalanine hydroxylase. Phillips RS, et al. **J Biol Chem** 1984 Jan 10;259(1):271–7

Neutral amino acid transport in isolated rat pancreatic islets. Prentki M, et al. **J Biol Chem** 1983 Dec 10;258(23):14239–44

Hydrocortisone induction of system A amino acid transport in human fibroblasts from normal dermis and keloid. Russell SB, et al. **J Biol Chem** 1984 Sep 25;259(18):11464–9

Substrate specificities of active transport systems for amino acids in vacuolar-membrane vesicles of Saccharomyces cerevisiae. Evidence of seven independent proton/amino acid antiport systems. Sato T, et al. **J Biol Chem** 1984 Sep 25;259(18):11505–8

Wide distribution of pH-dependent service of transport system ASC for both anionic and zwitterionic amino acids. Vadgama JV, et al. **J Biol Chem** 1984 Mar 25; 259(6):3648–52

Selective synthesis of mitochondrial proteins by Chinese hamster ovary cells severely starved for various amino acids. Chamberlain JW, et al. **J Cell Biol** 1984 Apr; 98(4):1603–5

Insulin-induced formation of ruffling membranes of KB cells and its correlation with enhancement of amino acid transport. Goshima K, et al. **J Cell Biol** 1984 Mar; 98(3):801–9

Transcellular ion currents in the water mold Achlya. Amino acid proton symport as a mechanism of current entry. Kropf DL, et al. **J Cell Biol** 1984 Aug;99(2):486–96

Kinetic parameters of neutral amino acid transport in hybrids between malignant and non-malignant cells. White MK. **J Cell Sci** 1984 Apr;67:63–8

Multicomponent analysis of amino acid transport in human lymphocytes. Diminished L-system transport in chronic leukemic B lymphocytes. Segel GB, et al. **J Clin Invest** 1984 Jul;74(1):17–24

Clinical laboratory differentiation of Legionellaceae family members with pigment production and fluorescence on media supplemented with aromatic substrates. Vickers RM,

et al. **J Clin Microbiol** 1984 May;19(5):583–7

Amino acid requirements of strains of Chlamydia trachomatis and C. psittaci growing in McCoy cells: relationship with clinical syndrome and host origin. Allan I, et al. **J Gen Microbiol** 1983 Jul;129 (Pt 7):2001–7

Differential amino acid utilization by Chlamydia psittaci (strain guinea pig inclusion conjunctivitis) and its regulatory effect on chlamydial growth. Allan I, et al. **J Gen Microbiol** 1983 Jul;129 (Pt 7):1991–2000

Assays of glucose tolerance factor and its mode of action, studied with brewer's yeast. Holdsworth ES, et al. **J Inorg Biochem** 1984 May;21(1):31–44

Synthesis and transport applications of 3-aminobicyclo[3.2.1] octane-3-carboxylic acids. Christensen HN, et al. **J Med Chem** 1983 Oct;26(10):1374–8

Changes in regional neurotransmitter amino acid levels in rat brain during seizures induced by L-allylglycine, bicuculline, and kainic acid. Chapman AG, et al. **J Neurochem** 1984 Jul;43(1):62–70

Changes in the amino acid content of nerve endings (synaptosomes) induced by drugs that alter the metabolism of glutamate and gamma-aminobutyric acid. Geddes JW, et al. **J Neurochem** 1984 Jan;42(1):16–24

Changes in brain levels of acidic, basic, and neutral amino acids after consumption of single meals containing various proportions of protein. Glaeser BS, et al. **J Neurochem** 1983 Oct;41(4):1016–21

Neuronal [3H]benzodiazepine binding and levels of GABA, glutamate, and taurine are normal in Huntington's disease cerebellum. Kish SJ, et al. **J Neurochem** 1983 Nov; 41(5):1495–7

Developmental changes in the neutral alpha-amino acid transport systems of rat brain over the first three weeks after birth. Riggs TR, et al. **J Neurochem** 1984 May; 42(5):1251–9

Effect of lesions of the olfactory bulb on the levels of amino acids and related enzymes in the olfactory cortex of the guinea pig. Sandberg M, et al. **J Neurochem** 1984 Jul; 43(1):276–9

Release of endogenous and accumulated exogenous amino acids from slices of normal and climbing fibre-deprived rat cerebellar slices. Toggenburger G, et al. **J Neurochem** 1983 Dec;41(6):1606–13

Brain amino acids measured by intracerebral dialysis in portacaval shunted rats. Tossman U, et al. **J Neurochem** 1983 Oct;41(4):1046–51

Effect of 2-amino-7-phosphonoheptanoic acid on regional brain amino acid levels in fed and fasted rodents. Westerberg E, et al. **J Neurochem** 1983 Dec;41(6):1755–60

Amino acid content of nerve endings (synaptosomes) in different regions of brain: effects of gabaculine and isonicotinic acid hydrazide. Wood JD, et al. **J Neurochem** 1984 Feb;42(2):420–5

Incorporation of 3H-amino acids into proteins in a partially purified fraction of axoplasm: evidence for transfer RNA-mediated, post-translational protein modification in squid giant axons. Ingoglia NA, et al. **J Neurosci** 1983 Dec; 3(12):2463–73

Amino acid uptake, content, and metabolism by neuronal and glial enriched cellular fractions from mouse cerebellum. Shank RP, et al. **J Neurosci** 1984 Jan;4(1):58–69

Glial contribution to amino acid content and metabolism of the deafferented dentate gyrus. Molin SO, et al. **J Neurosci Res** 1984;11(1):1–11

Distribution of radioactivity among total myelin protein amino acids following administration of labeled glycine, leucine, or methionine. Wiggins RC, et al. **J Neurosci Res** 1983;10(3):289–94

The effect of L-carnitine-supplemented total parenteral nutrition on tissue amino acid concentrations in piglets. Böhles H, et al. **J Nutr** 1984 Apr;114(4):671–6

The effect of valine deficiency on neutral amino acid patterns in plasma and brain of the rat. Hutchison SN, et al. **J Nutr** 1983 Nov;113(11):2164–70

Involvement of D-amino-acid oxidase in D-amino acid utilization in the mouse. Konno R, et al. **J Nutr** 1984 Sep; 114(9):1617–21

Quantitative studies of amino acid flow in the digestive tract of sheep fed alfalfa protein concentrates. Lu CD, et al. **J Nutr** 1983 Dec;113(12):2390–402

Activities of enzymes related to NADPH generation and amino acid metabolism in the ruminal mucosa of sheep. Weekes TE. **J Nutr** 1984 Sep;114(9):1724–32

Intestinal absorption of amino acid derivatives: structural requirements for membrane hydrolysis. Amidon GL, et al. **J Pharm Sci** 1983 Aug;72(8):943–4

Enhanced intestinal absorption of amino acids and amino acid-like drug by possible formation of enamine in administered solution by the presence of ethylacetoacetate. Nishihata T, et al. **J Pharmacobiodyn** 1984 Mar;7(3):143–50

Discrimination of parallel neutral amino acid transport systems in the basolateral membrane of cat salivary epithelium. Mann GE, et al. **J Physiol (Lond)** 1984 Feb; 347:111–27

Modulation of amino acid transport in preimplantation mouse embryos by low concentrations of non-ionic and zwitterionic detergents. Keefer CL, et al. **J Reprod Fertil** 1984 Mar;70(2):399–407

Methionine sulfoximine prevents the accumulation of large neutral amino acids in brain of hyperammonemic rats. Jonung T, et al. **J Surg Res** 1984 Apr;36(4):349–53

An oscillatory mechanism for the gamma-glutamyl transpeptidase-mediated translocation of amino acids across the cell membrane. Osuji GO. **J Theor Biol** 1984 Jul 7;109(1):1–15

Effect of enterally administered ornithine alpha-ketoglutarate on plasma and urinary amino acid levels after burn injury. Cynober L, et al. **J Trauma** 1984 Jul;24(7):590–6

Hypocaloric lipid emulsions and amino acid metabolism in injured rats. Yamazaki K, et al. **JPEN** 1984 Jul-Aug; 8(4):360–6

Metabolic production and renal disposal of hydrogen ions. Halperin ML, et al. **Kidney Int** 1983 Dec;24(6):709–13

Intracellular amino acids in uremia. Alvestrand A, et al. **Kidney Int [Suppl]** 1983 Dec;16:S9–16

Peritoneal ammonia, a possible inhibitor for blood amino acid loss. Giordano C, et al. **Kidney Int [Suppl]** 1983 Dec; 16:S71–6

Effect of acute uremia on protein degradation and amino acid release in the rat hemicorpus. Salusky IB, et al. **Kidney Int [Suppl]** 1983 Dec;16:S43–7

Effects of renal substitutive programs on amino acid patterns in chronic uremia. Scolari MP, et al. **Kidney Int [Suppl]** 1983 Dec;16:S77–80

Comparative losses of free amino acids and their plasma variations in artificial substitutive programmes for chronic uraemia. Scolari MP, et al. **Life Support Syst** 1983 Jan-Mar; 1(1):51–60

Metabolism of the glutamate group of amino acids in rat brain as a function of age. Rajeswari TS, et al. **Mech Ageing Dev** 1984 Feb;24(2):139–49

Effects of mycoplasma contamination on the intra-cellular free amino acid pool and exopeptidases of cultured human diploid fibroblasts. Sambuy Y. **Med Lab Sci** 1984 Apr; 41(2):150–5

Plasma levels of 3-methylhistidine after ingestion of the pure amino acid or of muscular proteins measured by radioimmunoassay. Bachmann K, et al. **Metabolism** 1984 Feb;33(2):107–10

Renal tubule reabsorption of amino acids after lysine loading of cystinuric dogs. Bovee KC, et al. **Metabolism** 1984 Jul; 33(7):602–7

Effect of parenteral nutrition on muscle amino acid output and 3-methylhistidine excretion in septic patients. Leverve X, et al. **Metabolism** 1984 May;33(5):471–7

Metabolism of protein, amino acids, and glucose and their response to insulin in atria and cardiac myocytes of traumatized rats. Tischler ME, et al. **Metabolism** 1984 Jun; 33(6):515–20

Effects of dietary substitution of mixed amino acids for glucose on the splanchnic metabolism of plasma triglycerides, cholesterol, carbohydrates, and amino acids in conscious fed baboons. Wolfe BM, et al. **Metabolism** 1983 Apr;32(4):403–12

Applications of amino acid analogs for studying co- and posttranslational modifications of proteins. Hortin G, et al. **Methods Enzymol** 1983;96:777–84

Amino acid metabolism by the kidney. Mitch WE, et al. **Miner Electrolyte Metab** 1983;9(4–6):190–202 (116 ref.)

The free amino acid pool in Leishmania tropica promastigotes. Simon MW, et al. **Mol Biochem Parasitol** 1983 Sep;9(1):47–57

Characterization of a Chinese hamster-human hybrid cell line with increased system L amino acid transport activity. Lobaton CD, et al. **Mol Cell Biol** 1984 Mar;4(3):475–83

Recessive constitutive mutant Chinese hamster ovary cells (CHO-K1) with an altered A system for amino acid transport and the mechanism of gene regulation of the A system. Moffett J, et al. **Mol Cell Biol** 1984 Apr; 4(4):799–808

Mechanism of the inhibitory effect of EGF on cAMP-stimulated amino acid transport. Visciano G, et al. **Mol Cell Endocrinol** 1984 Aug;37(1):103–7

Effect of in vitro ageing on the transport of neutral amino acids in human fibroblasts. Gazzola GC, et al. **Monogr Dev Biol** 1984;17:234–44

A kinetic analysis of the release of acidic amino acids from rat cortical synaptosomes following pre-loading with [14C]glutamic acid. Wheeler DD, et al. **Neurochem Res** 1983 Sep;8(9):1111–34

Spinal seizures and excitatory amino acid-mediated synaptic transmission. Ryan GP, et al. **Neurosci Lett** 1984 Feb 10; 44(2):161–6

Stimulation of amino acid transport into liver of rats on adaptation to a high-protein diet. **Nutr Rev** 1984 Feb; 42(2):60–2 (12 ref.)

Amino acid uptake by renal cortical slices from protein-deprived fetal rats. **Nutr Rev** 1984 Feb;42(2):57–60 (10 ref.)

Nutrition classics. The Journal of Biological Chemistry. Volume XVI, 1913. The fate of protein digestion products in the body. III. The absorption of amino-acids from the blood by tissues.By Donald D. Van Slyke and Gustave M. Meyer. **Nutr Rev** 1984 Jul;42(7):254–6

The regulation of amino acid and sugar absorption by diet. Christensen HN. **Nutr Rev** 1984 Jul;42(7):237–42 (31 ref.)

Metabolic studies on retinal tissue from a donor with a dominantly inherited chorioretinal degeneration resembling sectoral retinitis pigmentosa. Hollyfield JG, et al. **Ophthalmology** 1984 Feb;91(2):191–6

Intestinal amino acid absorption in the Fanconi syndrome: studies in patients and in rats with the maleic acid induced syndrome. Nützenadel W, et al. **Pediatr Res** 1983 Sep; 17(9):710–3

Cellular pharmacokinetics of the phenylalanine mustards. Vistica DT. **Pharmacol Ther** 1983;22(3):379–406 (108 ref.)

Postnatal development of carrier-mediated absorption of a foreign amino acid from the rat lung. Schanker LS, et al. **Pharmacology** 1984;28(1):47–50

The amino acid requirements of growing turkeys. 1. Model construction and parameter estimation. Hurwitz S, et al. **Poult Sci** 1983 Nov;62(11):2208–17

Beta-adrenergic stimulation of Ca2+ fluxes, endocytosis, hexose transport, and amino acid transport in mouse kidney cortex is mediated by polyamine synthesis. Koenig H, et al. **Proc Natl Acad Sci USA** 1983 Dec;80(23):7210–4

Amino acids in liver disease. Hagenfeldt L, et al. **Proc Nutr Soc** 1983 Sep;42(3):497–506 (42 ref.)

Amino acids--their role as an energy source. Woolfson AM. **Proc Nutr Soc** 1983 Sep;42(3):489–95 (31 ref.)

Autoradiographic localization of binding sites for inhibitory amino acids and their antagonists in cultured rat CNS. Hösli E, et al. **Prog Brain Res** 1983;58:137–44

A potent pyridoxal model capable of promoting transamination and beta-elimination of amino acids. Kondo H, et al. **Prog Clin Biol Res** 1984;144A:101–8

The activities of mono- and diprotonated Schiff bases as intermediates in pyridoxal-catalyzed reactions of alpha-amino acids. Martell AE. **Prog Clin Biol Res** 1984; 144A:63–78

Activity of several enzymes of amino acid catabolism in the liver of rats fed protein as a meal. Bourdel G, et al. **Reprod Nutr Dev** 1983;23(5):875–81

The amino acid cerebral pool after toxic doses of lidocaine and mexiletine. An experimental study on guinea pigs. Pala F, et al. **Resuscitation** 1984 May;12(1):1–7

The brain amino acid pattern in experimental coma due to phenytoin in guinea pigs. Sabato AF, et al. **Resuscitation** 1984 Feb;11(1–2):123–5

Absorption kinetics for leucine, cycloleucine and alpha-aminoisobutyric acid by rat small intestine in vivo. Torre P, et al. **Rev Esp Fisiol** 1983 Dec;39(4):461–6

Isolation and characterization of a CHO amino acid transport mutant resistant to melphalan (L-phenylalanine mustard). Dantzig AH, et al. **Somatic Cell Mol Genet** 1984 Mar; 10(2):113–21

The beta-Cys-gamma-Glu thiolester bond in human C3, C4, and alpha 2-macroglobulin. Tack BF. **Springer Semin Immunopathol** 1983;6(4):259–82 (82 ref.)

Improvement in amino acid use in the critically ill patient with parenteral formulas enriched with branched chain amino acids. Echenique MM, et al. **Surg Gynecol Obstet** 1984 Sep;159(3):233–41

Effect of ovarian steroids on uptake of radioactive amino acids by brain tissues. Seiki K, et al. **Tokai J Exp Clin Med** 1983 May;8(2):203–10

The effect of cadmium, zinc or copper loading on the metabolism of amino acids in mouse liver. Kawata M, et al. **Toxicol Lett** 1984 Feb;20(2):149–54

Effect of malathion on protein synthetic potentiality of the tissues of the teleost, Tilapia mossambica (Peters), as measured through incorporation of [14C]amino acids. Sahib IK, et al. **Toxicol Lett** 1984 Jan;20(1):63–7

Mutagenesis of amino acid pyrolysis products in Chinese hamster V79 cells. Takayama S, et al. **Toxicol Lett** 1983 Jun;17(1–2):23–8

Changes of acetylcholine, catecholamines and amino acid in mice brain following treatment with Nuvacron and Furadan. Gupta M, et al. **Toxicology** 1984 Mar;30(2):171–5

Substrate utilization in defined media. Chang CJ, et al. **Yale J Biol Med** 1983 Sep-Dec;56(5–6):439–45

Studies on the transport of anions and zwitterions of acidic amino acids in Streptomyces hydrogenans. Fritsch J, et al. **Z Naturforsch [C]** 1983 Jul-Aug;38(7–8):617–20

Metabolism of amino acids in Ascaridia galli: transamination. Singh G, et al. **Z Parasitenkd** 1983;69(6):783–8

Micromethod for carbon substrate assimilation by Pseudomonas maltophilia. Freney J, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Nov; 255(4):479–88

[Amino acid bioconversion in the feed for broilers under different breeding rates] Dzhankov T. **Vet Med Nauki** 1984; 21(1):58–66 (Eng. Abstr.) **(Bul)**

[Effects of acute ammonia poisoning on cerebral amino acids metabolism in rats] Dong JM, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Mar;5(1):14–7 (Eng. Abstr.) **(Chi)**

[Distribution of pancreas imaging agents with 11C-amino acids in mice] Sun QX, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Jun;5(2):142–4 (Eng. Abstr.) **(Chi)**

[Change in the active transport of amino acids during competence in Streptococcus pneumoniae] Trombe MC. **C R Seances Acad Sci [III]** 1983;297(8):427–9 (Eng. Abstr.) **(Fre)**

[Determination of amino acid balance in the gastrointestinal tract of chickens] Berger H, et al. **Arch Tierernahr** 1984 Jan;34(1):35–44 (Eng. Abstr.) **(Ger)**

[Effect of a supplement of partly hydrolized straw meal to a diet of fish meal and horse beans on N balance and amino acid excretion in the feces of swine] Bergner H, et al. **Arch Tierernahr** 1983 Dec;33(12):815–25 (Eng. Abstr.) **(Ger)**

[Studies of 15N-labeled lysine in colostomized laying hens. 3. 15N incorporation into the amino acids of the follicle, residual ovary and oviduct] Gruhn K, et al.

Arch Tierernahr 1983 Oct-Nov;33(10-11):781-92 (Eng. Abstr.) **(Ger)**

[Protein and amino acid digestibility in various sections of the intestines in swine. 3. Amino acid composition of chyme and fecal proteins] Poppe S, et al. **Arch Tierernahr** 1983 Oct-Nov;33(10-11):743-8 (Eng. Abstr.) **(Ger)**

[Nonessential amino acid content in early weaned piglets following qualitatively and quantitively different protein supplies] Staudacher W, et al. **Arch Tierernahr** 1984 May-Jun;34(5-6):367-77 (Eng. Abstr.) **(Ger)**

[Quantitative amino acid determination in the serum and cerebrospinal fluid in endogenous depressions] Dreves B, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1983 Jul; 35(7):409-15 (Eng. Abstr.) **(Ger)**

[Intake of amino acids by small intestine tissue in vitro. 5. Summary report of the results in rats, swine, young bulls and cattle] Reichl JR, et al. **Z Tierphysiol Tiernahr Futtermittelkd** 1984 Feb; 51(1-2):3-13 (Eng. Abstr.) **(Ger)**

[Intake of amino acids in small intestine tissue in vitro. 3. Studies of young bulls fed rations of various protein content] Reichl JR, et al. **Z Tierphysiol Tiernahr Futtermittelkd** 1983 Nov; 50(4-5):248-54 (Eng. Abstr.) **(Ger)**

[Intake of amino acids in small intestine tissue in vitro. 2. Studies of swine fed rations of various protein content] Rothschild B, et al. **Z Tierphysiol Tiernahr Futtermittelkd** 1983 Nov; 50(4-5):208-15 (Eng. Abstr.) **(Ger)**

[Intake of amino acids in small intestine tissue in vitro. 1. Studies of rats fed rations of various protein content] Rothschild B, et al. **Z Tierphysiol Tiernahr Futtermittelkd** 1983 Nov; 50(4-5):193-208 (Eng. Abstr.) **(Ger)**

[Intake of amino acids in small intestine tissue in vitro. 4. Studies of adult cattle of various origins] Rothschild B, et al. **Z Tierphysiol Tiernahr Futtermittelkd** 1983 Nov; 50(4-5):255-62 (Eng. Abstr.) **(Ger)**

[Influence of the accumulation of Cr, Cd and Pb on the pool of free tissue amino acids in Mytilus galloprovincialis in various zones of the bay of Naples] Cotugno M, et al. **Boll Soc Ital Biol Sper** 1984 Feb 28;60(2):293-7 (Eng. Abstr.) **(Ita)**

[Intestinal absorption of free L-amino acids in patients subjected to a total bilio-pancreatic bypass] Gianetta E, et al. **Minerva Dietol Gastroenterol** 1983 Oct-Dec; 29(4):321-6 (Eng. Abstr.) **(Ita)**

[Amino acids and keto acids metabolism in kidney diseases] Arai J. **Nippon Jinzo Gakkai Shi** 1983 Aug;25(8):1045-62 (Eng. Abstr.) **(Jpn)**

[Amino acid transfer at the fetal surface of the trophoblast and the characterization of its carrier in the rat placenta in vivo] Kyuma M. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Mar; 36(3):405-14 (Eng. Abstr.) **(Jpn)**

[Transport and uptake of amino acids by the human erythrocyte membrane] Stępniewski M. **Folia Med Cracov** 1982-83;24(1-2):3-24 (Eng. Abstr.) **(Pol)**

[Natural cyanogenic compounds] Dziewanowska K. **Postepy Biochem** 1983;29(2):191-225 (259 ref.) **(Pol)**

[Effect of different protein levels on the nutritive value of mixed diets with higher amount of soy bean protein. III. Free amino acid levels in the serum and muscles of experimental animals] Kunachowicz H, et al. **Rocz Panstw Zakl Hig** 1983;34(3):245-50 (Eng. Abstr.) **(Pol)**

[Disorders of the metabolism of free amino acids in the donor heart during hemodialysis in functioning heart-lung preparations] Barinov EF. **Anesteziol Reanimatol** 1983 Jul-Aug;(4):41-4 (Eng. Abstr.) **(Rus)**

[Inhibition by antibiotics of the incorporation of labelled amino acids into the nuclear matrix proteins of the Zajdela hepatoma] Bazarnova TM, et al. **Biokhimiia** 1984 Feb; 49(2):254-60 (Eng. Abstr.) **(Rus)**

[Compartmentalization of metabolism of spatially-delimiting amino acid pools of yeast cells] Davidova EG, et al. **Biokhimiia** 1983 Aug;48(8):1241-8 (Eng. Abstr.) **(Rus)**

[Characteristics of uptake of neurotransmitter amino acids in brain preparations of aging albino rats] Aprikian GV, et al. **Fiziol Zh** 1984 Jan-Feb;30(1):69-73 (Eng. Abstr.) **(Rus)**

[Effect of amino acids and proteins on bacitracin and exoprotease synthesis by Bacillus licheniformis] Egorov NS, et al. **Mikrobiologiia** 1983 Sep-Oct;52(5):693-7 (Eng. Abstr.) **(Rus)**

[Intracellular pool of free amino acids in dehydrated yeast organisms] Novichkova AT, et al. **Mikrobiologiia** 1984 Jan-Feb;53(1):5-9 (Eng. Abstr.) **(Rus)**

[Change in the metabolic reserve of free amino acids in the peripheral blood and spleen during exposure to whole body uniform gamma-radiation] Konnova LA, et al. **Radiobiologiia** 1984 May-Jun;24(3):330-3 (Eng. Abstr.) **(Rus)**

[Concentrations of protein sulfhydryl and amino groups in the brain during acute and chronic alcoholic intoxication] Kozlov NB, et al. **Ukr Biokhim Zh** 1983 Jul-Aug; 55(4):437-40 (Eng. Abstr.) **(Rus)**

[Dynamics of free amino acids in rat brain tissue during hypothermia] Turianitsa IM, et al. **Ukr Biokhim Zh** 1983 Jul-Aug;55(4):444-9 (Eng. Abstr.) **(Rus)**

[Amino acid metabolism in patients with contagious forms of syphilis] Abdullaev AKh. **Vestn Dermatol Venerol** 1983 Sep;(9):21-4 (Eng. Abstr.) **(Rus)**

[Effect of health resort treatment on the bile levels of free amino acids in chronic cholecystitis] Manto IE, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 Jul-Aug;(4):36-8 (Eng. Abstr.) **(Rus)**

[Comparative biological value of protein hydrolysates and their fortified forms] Safronova AM, et al. **Vopr Pitan** 1984 May-Jun;(3):41-4 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Influence of amino acids upon insulin release evoked by 3-phenylpyruvate. Sener A, et al. **Acta Diabetol Lat** 1983 Jul-Sep;20(3):205-9

Effect of garlic, Chinese medicinal drugs and amino acids on growth of Erlich ascites tumor cells in mice. Choy YM, et al. **Am J Chin Med** 1983;11(1-4):69-73

Calciuria in total parenteral nutrition: effects of amino acids and glucose in rats. Wood RJ, et al. **Am J Clin Nutr** 1984 Jul;40(1):101-6

Cholecystokinin receptor antagonists. Gardner JD, et al. **Am J Physiol** 1984 May;246(5 Pt 1):G471-6

Atypical amino acids inhibit histidine, valine, or lysine transport into rat brain. Tews JK, et al. **Am J Physiol** 1983 Oct;245(4):R556-63

Effects of parenteral nutritional regimens on oxidative drug metabolism. Pantuck EJ, et al. **Anesthesiology** 1984 Jun; 60(6):534-6

Dietary protein-dependent modification of serum cholesterol level in rats. Significance of the arginine/lysine ratio. Sugano M, et al. **Ann Nutr Metab** 1984;28(3):192-9

Effect of phosphate and amino acids on echinomycin biosynthesis by Streptomyces echinatus. Formica JV, et al. **Antimicrob Agents Chemother** 1983 Nov;24(5):735-41

Stimulation of growth of Bacillus fastidiosus by amino acids. Bongaerts GP, et al. **Antonie Van Leeuwenhoek** 1984; 50(2):177-82

Effect of specific amino acids on growth and aflatoxin production by Aspergillus parasiticus and Aspergillus flavus in defined media. Payne GA, et al. **Appl Environ Microbiol** 1983 Oct;46(4):805-12

The binding of antifibrinolytic amino acids to kringle-4-containing fragments of plasminogen. Cole KR, et al. **Arch Biochem Biophys** 1984 Mar;229(2):568-75

Tuftsin-like activity of amino acids. Slopek S, et al. **Arch Immunol Ther Exp (Warsz)** 1983;31(6):915-7

The importance of dietary amino acids on the reproduction and longevity of adult Dacus oleae (Gmelin) (Diptera Tephritidae). Tsiropoulos GJ. **Arch Int Physiol Biochim** 1983 Sep;91(3):159-64

Antimycotic activity of some amino acids against dermatophytes. Pandey DK, et al. **Arzneimittelforsch** 1984; 34(5):554-6

Paradoxical stimulation by amino acids of the degradation of [35S]methionine-labelled, short-lived protein in isolated rat hepatocytes. Schwarze PE, et al. **Biochem Biophys Res Commun** 1983 Dec 16;117(2):509-16

Distinct effects of various amino acids on 45Ca2+ fluxes in rat pancreatic islets. Charles S, et al. **Biochem J** 1983 Sep 15;214(3):899-907

Regulation of insulin secretion by energy metabolism in pancreatic B-cell mitochondria. Studies with a non-metabolizable leucine analogue. Panten U, et al. **Biochem J** 1984 Apr 1;219(1):189-96

Effects of hormones, amino acids and specific inhibitors on rat heart heparin-releasable lipoprotein lipase and tissue neutral lipase activities during long-term perfusion. Stam H, et al. **Biochim Biophys Acta** 1984 Jun 6;794(1):72-82

Voltage clamp analysis of the effect of excitatory amino acids and derivatives on Purkinje cell dendrites in rat cerebellar slices maintained in vitro. Crepel F, et al. **Brain Res** 1983 Nov 21;279(1-2):311-5

Effects of excitotoxic amino acids on pituitary hormone secretion in the rat. Mason GA, et al. **Brain Res** 1983 Dec 19;289(1-2):366-9

Somatostatin release from cerebral cortical cells: influence of amino acid neurotransmitters. Robbins RJ, et al. **Brain Res** 1983 Aug 29;273(2):374-8

Neuroactive amino acids influence gonadotrophin output by a suprapituitary mechanism in either rodents or primates. Tal J, et al. **Brain Res** 1983 Aug 22;273(1):179-82

Stimulation of GABA release from retinal horizontal cells by potassium and acidic amino acid agonists. Yazulla S. **Brain Res** 1983 Sep 19;275(1):61-74

Electric organ lactate dehydrogenase:physical and kinetic properties of the purified enzyme from Electrophorus electricus (L.). Torres-da Matta J, et al. **Braz J Med Biol Res** 1983 Apr;16(1):1-10

The action of some analogues of the excitatory amino acids in the dentate gyrus of the rat. Collingridge GL, et al. **Can J Physiol Pharmacol** 1984 Apr;62(4):424-9

Neuropharmacological studies on the receptors mediating responses to carbachol, amino acids and octopamine on Limulus and Hirudo central neurons. Walker RJ, et al. **Comp Biochem Physiol [C]** 1984;77(2):371-80

Effect of ionic changes, amino acids, and metabolic inhibitors on hydraulic conductivity of the isolated rabbit iris-ciliary body. Green K, et al. **Curr Eye Res** 1984 Jul;3(7):929-37

The stimulus-secretion coupling of amino acid-induced insulin release. Secretory and oxidative response of pancreatic islets to L-asparagine. Malaisse-Lagae F, et al. **Diabetes** 1984 May;33(5):464-9

Effects of excitatory amino acids on dopamine synthesis in the rat retina. Kamp CW, et al. **Eur J Pharmacol** 1983 Aug 19;92(1-2):139-42

Effects of kainic and other amino acids on synaptic excitation in rat hippocampal slices: 1. Extracellular analysis. Collingridge GL, et al. **Exp Brain Res** 1983;52(2):170-8

Effects of amino acids on cat red nucleus neurons in vitro. Sakaguchi H, et al. **Exp Brain Res** 1984;54(1):150-6

Amino acid analogs inhibit murine xenotropic retrovirus expression and cell cycle progression. Suk WR, et al. **In Vitro** 1984 Feb;20(2):133-43

Starch phosphorylase from mature banana (Musa paradisiaca) leaves: Part II.--Aromatic amino acid inhibition at pH 7.0. Kumar A, et al. **Indian J Biochem Biophys** 1983 Oct; 20(5):285-9

Organic nutrients & catabolite repression of encystation of Acanthamoeba culbertsoni. Srivastava DK, et al. **Indian J Exp Biol** 1983 Aug;21(8):455-7

Effect of lodoxamide on the secretory response induced by Escherichia coli and Vibrio cholerae enterotoxins in infant mice. Knoop FC, et al. **Infect Immun** 1984 May;44(2):406-8

Conformational changes in bacterial polysomes induced by amino acid starvation. Andrieux E, et al. **Int J Biochem** 1984;16(1):113-6

Pharmacokinetic studies of amino acid analogues of 2-nitroimidazole, new hypoxic cell radiosensitizers. Agrawal KC, et al. **Int J Radiat Oncol Biol Phys** 1984 Aug;10(8):1301-5

Effect of ammonium ion, inorganic phosphate and amino acids on the biosynthesis of protylonolide, a precursor of tylosin aglycone. Omura S, et al. **J Antibiot (Tokyo)** 1984 May;37(5):494-502

Gratuitous repression of avtA in Escherichia coli and Salmonella typhimurium. Whalen WA, et al. **J Bacteriol** 1984 May;158(2):571-4

Analysis of proteases involved in phagocytic activity of macrophages through the use of various amino acid esters. Nihira S, et al. **J Biochem (Tokyo)** 1983 Aug;94(2):565-73

Post-translational modification of the fourth component of complement. Effect of tunicamycin and amino acid analogs on the formation of the internal thiol ester and disulfide bonds. Karp DR. **J Biol Chem** 1983 Dec 10;258(23):14490-5

Mechanism-based inactivation of bacterial kynureninase by beta-substituted amino acids. Kishore GM. **J Biol Chem** 1984 Sep 10;259(17):10669-74

Characterization of the polyamine transport system in mouse neuroblastoma cells. Effects of sodium and system A amino acids. Rinehart CA Jr, et al. **J Biol Chem** 1984 Apr 25; 259(8):4750-6

Stereospecificity of amino acid hydroxamate inhibition of aminopeptidases. Wilkes SH, et al. **J Biol Chem** 1983 Nov 25;258(22):13517-21

Amino acid control of autophagic sequestration and protein degradation in isolated rat hepatocytes. Seglen PO, et al. **J Cell Biol** 1984 Aug;99(2):435-44

The effects of amino acids, cumulus cells, and bovine serum albumin on in vitro fertilization and first cleavage of hamster eggs. Juetten J, et al. **J Exp Zool** 1983 Sep; 227(3):487-90

Effects of amino acid treatments on 12-O-tetradecanoylphorbol-13-acetate-induced ornithine decarboxylase activity in mouse epidermis in vivo and in vitro. Perchellet JP, et al. **J Invest Dermatol** 1983 Dec; 81(6):560-6

Effect of 2-amino-7-phosphonoheptanoic acid on regional brain amino acid levels in fed and fasted rodents. Westerberg E, et al. **J Neurochem** 1983 Dec;41(6):1755-60

Effects of iontophoretically released amino acids and amines on primate spinothalamic tract cells. Willcockson WS, et al. **J Neurosci** 1984 Mar;4(3):732-40

Effects of excitatory amino acids, and of their agonists and antagonists on the release of neurotransmitters from the chick retina. Morán J, et al. **J Neurosci Res** 1983; 10(3):261-71

Free tyrosine levels of rat brain and tissues with sympathetic innervation following administration of L-tyrosine in the presence and absence of large neutral amino acids. Ablett RF, et al. **J Nutr** 1984 May;114(5):835-9

Effect of protein quality on vitamin B-6 status in the rat. Fisher JH, et al. **J Nutr** 1984 Apr;114(4):786-91

A comparison of amino acid-induced hypercalciuria in sham-operated and parathyroidectomized rats. Gollaher CJ, et al. **J Nutr** 1984 Mar;114(3):622-6

Nutritional requirements of Schistosoma japonicum eggs. Kawanaka M, et al. **J Parasitol** 1983 Oct;69(5):857-61

A minimum essential medium for cultivation of Schistosoma japonicum eggs. Kawanaka M, et al. **J Parasitol** 1983 Oct; 69(5):991-2

Effects of certain metabolites on pancreatic endocrine responses to gastrin-releasing peptide in conscious calves. Bloom SR, et al. **J Physiol (Lond)** 1984 Jan;346:547-55

The reversal potential of excitatory amino acid action on granule cells of the rat dentate gyrus. Crunelli V, et al. **J Physiol (Lond)** 1984 Jun;351:327-42

Blockade of amino acid-induced depolarizations and inhibition of excitatory post-synaptic potentials in rat dentate gyrus. Crunelli V, et al. **J Physiol (Lond)** 1983 Aug; 341:627-40

Depolarization of feline primary afferent fibres by acidic amino acids. Curtis DR, et al. **J Physiol (Lond)** 1984 Jun; 351:461-72

Defined minimal growth medium for Acanthamoeba

polyphaga. Ingalls CS, et al. **J Protozool** 1983 Aug; 30(3):606–8

Inhibition of the stimulated exocrine pancreas by absorbed amino acids. Stubbs RS, et al. **J Surg Res** 1984 Apr; 36(4):395–400

Effect of amino acids and monoamines on the neuronal activity of suprachiasmatic nucleus in hypothalamic slice preparations. Shibata S, et al. **Jpn J Pharmacol** 1983 Dec; 33(6):1225–31

Inhibitory influence of amino acids on secretagogues induced exocrine secretion in isolated perfused rat pancreas. Harada E, et al. **Jpn J Physiol** 1984;34(1):167–80

Effect of different amino acid diets on delta 5, delta 6 and delta 9 desaturases. Peluffo RO, et al. **Lipids** 1984 Feb; 19(2):154–7

Partial substitution of amino acids of a parenteral solution with tripeptides: effects on parameters of protein nutrition in baboons. Adibi SA, et al. **Metabolism** 1984 May; 33(5):420–4

Oxalurate induction of multiple URA3 transcripts in Saccharomyces cerevisiae. Buckholz RG, et al. **Mol Cell Biol** 1983 Nov;3(11):1889–97

Delayed processing of dihydrofolate reductase heterogeneous nuclear RNA in amino acid–starved mouse fibroblasts. Collins ML, et al. **Mol Cell Biol** 1983 Oct;3(10):1792–802

Antagonism of the hypermotility response induced by excitatory amino acids in the rat nucleus accumbens. Donzanti BA, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Jan;325(1):1–7

The effect of various amino acids and drugs on the para– and meta–hydroxyphenylacetic acid concentrations in the mouse caudate nucleus. McQuade PS, et al. **Neurochem Res** 1983 Jul;8(7):903–12

Kinetic analysis of the accumulation of gamma–aminobutyric acid by particulate fractions of rat brain: comparison of the effects of nipecotic acid and cis–3–aminocyclohexane–1–carboxylic acid. Yunger LM, et al. **Neurochem Res** 1983 Jun;8(6):757–69

Effects of excitatory amino acids on locomotor activity after bilateral microinjection into the rat nucleus accumbens: possible dependence on dopaminergic mechanisms. Donzanti BA, et al. **Neuropharmacology** 1983 Aug; 22(8):971–81

Relative potency of analogues of excitatory amino acids on hippocampal CA1 neurons. Lanthorn TH, et al. **Neuropharmacology** 1983 Dec;22(12A):1343–8

Amino acids injected into the cerebroventricular system induce an enhancement of reflex bradycardia in the rat. Yang CP, et al. **Neuropharmacology** 1983 Jul;22(7):919–22

Antiepileptic action of excitatory amino acid antagonists in the photosensitive baboon, Papio papio. Meldrum BS, et al. **Neurosci Lett** 1983 Aug 19;39(1):101–4

Different effects of amino acids, acetylcholine and monoamines on neuronal activity of suprachiasmatic nucleus in rat pups and adults. Shibata S, et al. **Neurosci Lett** 1983 Aug 29;39(2):187–92

Effect of excitatory amino acids on Purkinje cell dendrites in cerebellar slices from normal and staggerer mice. Dupont JL, et al. **Neuroscience** 1984 Jun;12(2):613–9

A comparison of the anticonvulsant potency of (+/–) 2–amino–5–phosphonopentanoic acid and (+/–) 2–amino–7–phosphonoheptanoic acid. Meldrum BS, et al. **Neuroscience** 1983 Aug;9(4):925–30

Stimulation of deoxy[3H]glucose uptake into slices from cerebral cortex elicited by excitatory amino acids. Tuong MD, et al. **Neuroscience** 1984 Jun;12(2):385–93

Photosensory properties of the pineal organ. Microiontophoretic application of excitatory amino acids onto pineal neurons. Meissl H, et al. **Ophthalmic Res** 1984; 16(1–2):114–8

Feeding, drinking, urine osmolality in DI Brattleboro rats: changes by morphine, naloxone, D–amino acids, prolyl–leucyl–glycinamide (PLG). Koyuncuoğlu H, et al. **Pharmacol Biochem Behav** 1984 Jan;20(1):29–33

The inducer of the feeding response in Penaeus paulensis (Crustacea–Decapoda). Santos Filho EA. **Physiol Behav** 1983 Nov;31(5):733–4

Receptors for the excitatory amino acids in the mammalian central nervous system. McLennan H. **Prog Neurobiol** 1983; 20(3–4):251–71 (137 ref.)

Influence of insulin and substrate concentration on protein synthetic rate in fetal tissues. Horn J, et al. **Res Vet Sci** 1983 Jul;35(1):35–41

Inhibition of platelet aggregation and endogenous lectin activity by oligoamines. Agam G, et al. **Thromb Res** 1984 Feb 1;33(3):245–57

[Comparative antiallergic and anti–inflammatory action of F1865, mepyramine maleate, desonide and disodium cromoglycate after cutaneous administration] Tarayre JP, et al. **J Pharmacol** 1984 Jan–Mar;15(1):37–51 (Eng. Abstr.) **(Fre)**

[Antitumor activity of cis–dichloro–bis–(alpha–amino acid ester)platinum complexes] Wappes B, et al. **Arch Pharm (Weinheim)** 1983 Oct;316(10):854–62 (Eng. Abstr.) **(Ger)**

[Changes in therapy of duodenal ulcers. The European Gastro–Club 1983 discusses new pathophysiologic and epidemiologic data referring to drug and surgical therapy] Demling L. **Fortschr Med** 1983 Dec 15;101(47–48):2195–6 **(Ger)**

[Protein synthesis following experimental injuries in the pig as disease model. Comparison of infusion solutions with various amino acid patterns] Hartig W, et al. **Infusionsther Klin Ernahr** 1983 Oct;10(5):276–9 (Eng. Abstr.) **(Ger)**

[Effect of amino acids on the growth of Mycobacterium lepraemurium in cell–free liquid medium] Nakamura M. **Nippon Rai Gakkai Zasshi** 1982 Oct–Dec;51(4):179–82 (Eng. Abstr.) **(Jpn)**

[Effect of amino acids on exoprotease synthesis by Bacillus thuringiensis] Egorov NS, et al. **Prikl Biokhim Mikrobiol** 1983 Sep–Oct;19(5):610–6 (Eng. Abstr.) **(Rus)**

[Cysteine stability in aqueous amino acid solutions] Nekliudov AD, et al. **Prikl Biokhim Mikrobiol** 1984 May–Jun;20(3):387–92 (Eng. Abstr.) **(Rus)**

[Drugs relieving the manifestations of premature aging] Zapadniuk VI. **Vestn Akad Med Nauk SSSR** 1984;(3):65–70 (Eng. Abstr.) **(Rus)**

[Essential and substituted amino acids as chemical stimuli in the clawed frog Xenopus laevis] Kruzhalov NB. **Zh Evol Biokhim Fiziol** 1983 Sep–Oct;19(5):503–6 (Eng. Abstr.) **(Rus)**

[The effect of a combined amino acid mixture on metabolic changes in diabetes mellitus] Simončič R, et al. **Cas Lek Cesk** 1984 Feb 3;123(5):121–4 (Eng. Abstr.) **(Slo)**

PHYSIOLOGY

Amino acid imbalance and hepatic encephalopathy. Bernardini P, et al. **Annu Rev Nutr** 1982;2:419–54 (235 ref.)

Amino acid neurotransmission between fimbria–fornix fibers and neurons in the lateral septum of the rat: a microiontophoretic study. Joëls M, et al. **Exp Neurol** 1984 Apr;84(1):126–39

Lysosomal pathways in hepatic protein degradation: regulatory role of amino acids. Mortimore GE, et al. **Fed Proc** 1984 Apr;43(5):1289–94

The role of basic amino acids of the seminal plasma in fertility. Papp G, et al. **Int Urol Nephrol** 1983;15(2):195–203

Actions of acidic amino acids on the excitability of medial hypothalamic neurons in the rat. Arnauld E, et al. **Neuroendocrinology** 1983 Sep;37(3):184–92

Differential sensitivity of selected brain areas to excitatory amino acids. Luini A, et al. **Neurosci Lett** 1983 Nov 11; 41(3):307–12

Amino acid neurotransmitters and their pathways in the mammalian central nervous system. Fagg GE, et al. **Neuroscience** 1983 Aug;9(4):701–19 (265 ref.)

Intracellular muscle free amino acids—their measurement and function. Fürst P. **Proc Nutr Soc** 1983 Sep;42(3):451–62 (59 ref.)

Some recent developments in the study of amino acid metabolism. Harper AE. **Proc Nutr Soc** 1983 Sep; 42(3):437–49 (56 ref.)

The Ferrier Lecture, 1983. Amino acids and peptides: fast and slow chemical signals in the nervous system? Iversen LL. **Proc R Soc Lond [Biol]** 1984 May 22;221(1224):245–60 (55 ref.)

RADIATION EFFECTS

Comparison of radiation–induced radical yields in short peptides and constituent amino acids by detection of trapped oxygen isotope 18O. Wiezorek C. **Int J Radiat Biol** 1984 Jan;45(1):93–7

The use of capillary gas chromatography–mass spectrometry for identification of radiation–induced DNA base damage and DNA base–amino acid cross–links. Dizdaroglu M. **J Chromatogr** 1984 Jul 6;295(1):103–21

Gamma–radiation–induced interactions between amino acids and glucagon. Mee LK, et al. **Radiat Res** 1984 Jan; 97(1):36–47

[Dissociation of amino acid complexes from DNA during exposure to long–wave UV light] Mil' EM, et al. **Izv Akad Nauk SSSR [Biol]** 1983 Nov–Dec;(6):925–8 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Clinical conference on pediatric nutrition. The role of Neopham and Intralipid in TPN. **Acta Chir Scand [Suppl]** 1983;517:1–203

Plasma glutamate and aspartate concentrations in young infants on Neopham. Bell EF, et al. **Acta Chir Scand [Suppl]** 1983;517:29–37

A double–blind study comparing Neopham with FreAmine III in infants receiving parenteral nutrition. Chase HP, et al. **Acta Chir Scand [Suppl]** 1983;517:49–56

Studies on the toxicity and efficacy of a new amino acid solution in pediatric parenteral nutrition. Coran AG, et al. **Acta Chir Scand [Suppl]** 1983;517:57–67

Muscle and plasma amino acids after Neopham therapy in adult surgical patients. Kinney JM. **Acta Chir Scand [Suppl]** 1983;517:103–11

Total parenteral nutrition in pediatric surgery using a new amino acid solution (Vaminolac). Meurling S, et al. **Acta Chir Scand [Suppl]** 1983;517:79–87

Clinical trial of a 6.5% amino acid infusion in appropriate–for–gestational–age premature neonates. Ogata ES, et al. **Acta Chir Scand [Suppl]** 1983;517:39–48

Experience with a new amino acid solution (Neopham) in general surgical patients. Soroff H, et al. **Acta Chir Scand [Suppl]** 1983;517:113–21

A new parenteral nutrition solution for the treatment of infants with gastrointestinal disorders. Vanderhoof JA, et al. **Acta Chir Scand [Suppl]** 1983;517:69–78

Comparative study of amino acid, ammonia and pancreatic hormone levels in the blood of cirrhotic patients following intragastric and intravenous administration of a branched–chain amino acid–enriched solution. Watanabe A, et al. **Acta Med Okayama** 1983 Oct;37(5):441–5

Precipitate in admixtures of new amino acid injection [letter] Bates CG, et al. **Am J Hosp Pharm** 1984 Jul;41(7):1312, 1316

Rationale and indications for the use of alpha–keto analogues. Walser M. **JPEN** 1984 Jan–Feb;8(1):37–41 (72 ref.)

Effects of amino acid infusions on cell metabolism in hemodialyzed patients with uremia. Metcoff J, et al. **Kidney Int [Suppl]** 1983 Dec;16:S87–92

Amino acids and obesity. Ghadimi H. **Pediatr Ann** 1984 Jul; 13(7):557–63

Clinical usage of amino acids. Clark RG, et al. **Proc Nutr Soc** 1983 Sep;42(3):507–12 (29 ref.)

[Clinical experiences with an amino acid preparation in children with phenylketonuria] Link RM, et al. **Rev Med Liege** 1984 May 15;39(10):422–8 **(Fre)**

[Solutions of selective and branched–chain amino acids in the treatment of hepatic encephalopathy in cancer patients] Nahum M, et al. **Clin Ter** 1984 Feb 29;108(4):313–8 (Eng. Abstr.) **(Ita)**

[Parenteral amino acid therapy of liver damage after jejunoileal bypass] Brinch L, et al. **Tidsskr Nor Laegeforen** 1983 Aug 20;103(23):1644–5 (Eng. Abstr.) **(Nor)**

[Treatment of experimental metabolic alkalosis by sorbamine] Smirnova IL, et al. **Biull Eksp Biol Med** 1984 Feb; 97(2):152–5 (Eng. Abstr.) **(Rus)**

[Experience with the clinical use of a complex of amino acids and anabolic preparations in treating peptic ulcer patients] Trusov VV, et al. **Ter Arkh** 1984;56(2):52–5 (Eng. Abstr.) **(Rus)**

TOXICITY

Adverse effects of excessive consumption of amino acids. Benevenga NJ, et al. **Annu Rev Nutr** 1984;4:157–81 (124 ref.)

Lesions of the urinary tract produced in Fischer 344 rats and B6C3F1 mice after chronic administration of 11–aminoundecanoic acid. Dunnick JK, et al. **Fundam Appl Toxicol** 1983 Nov–Dec;3(6):614–8

The organotypic tissue culture model of corticostriatal system used for examining amino acid neurotoxicity and its antagonism: studies on kainic acid, quinolinic acid and (–) 2–amino–7–phosphonoheptanoic acid. Whetsell WO Jr, et al. **J Neural Transm [Suppl]** 1983;19:53–63

Use of excitatory amino acids to make axon–sparing lesions of hypothalamus. Nadler JV, et al. **Methods Enzymol** 1983; 103:393–400

Excitotoxic amino acids as neuroendocrine research tools. Olney JW, et al. **Methods Enzymol** 1983;103:379–93

Testing of 2,4,5–T–amino acid conjugates for mutagenic activity in Salmonella typhimurium strains. Rashid KA, et al. **Mutat Res** 1984 Jun;136(3):217–21

[Basis for standards of human body uptake of tritiated amino acids] Zhesko TV, et al. **Gig Sanit** 1984 May;(5):20–2 (Eng. Abstr.) **(Rus)**

URINE

Cystinuria genotypes predicted from excretion patterns. Kelly S. **Am J Med Genet** 1978;2(2):175–90

Urine desmosine excretion [letter] Janoff A. **Am Rev Respir Dis** 1984 Mar;129(3):511–2

The routine investigation of urinary organic acids in selected paediatric patients: results over a 2 1/2–year period. Bennett MJ, et al. **Ann Clin Biochem** 1984 Jan;21 (Pt 1):45–50

Removal of ammonia from urine by tetraphenylboron before amino acid analysis [letter] Turnell DC, et al. **Clin Chem** 1984 Apr;30(4):588–9

Extra heating of TLC plates detects two lysosomal storage diseases, aspartylglucosaminuria and fucosidosis, during routine urinary amino acid screening. Simell O, et al. **Clin Chim Acta** 1983 Sep 30;133(2):227–32

Increased urinary excretion of aromatic amino acid catabolites by Microtus montanus chronically infected with Trypanosoma brucei gambiense. Hall JE, et al. **Comp Biochem Physiol [B]** 1984;77(4):755–60

Analysis of pyridinoline, a cross–linking compound of collagen fibers, in human urine. Fujimoto D, et al. **J Biochem (Tokyo)** 1983 Oct;94(4):1133–6

[Torsten–Sjögren syndrome] Rister M, et al. **Monatsschr Kinderheilkd** 1984 Mar;132(3):180–1 (Eng. Abstr.) **(Ger)**

[Patterns of urinary aminoacid excretion in exceptional children and patients with mental disorders in Costa Rica] de Céspedes C, et al. **Rev Biol Trop** 1983 Jun;31(1):1–9 (Eng. Abstr.) **(Spa)**

AMINO ACIDS, BRANCHED–CHAIN

ADMINISTRATION & DOSAGE

Infusion of branched chain–enriched amino acid solutions in sepsis. Nachbauer CA, et al. **Am J Surg** 1984 Jun; 147(6):743–52

Branched chain metabolic support. A prospective, randomized, double-blind trial in surgical stress. Cerra FB, et al. **Ann Surg** 1984 Mar;199(3):286–91

Effects of branched chain amino acid infusion on glucose metabolism in cirrhotic patients with encephalopathy. Morioka S, et al. **Gastroenterol Jpn** 1983 Dec;18(6):553–9

Effect of the oral administration of branched chain amino acids on hepatic encephalopathy in the rat. Beaubernard C, et al. **Hepatology** 1984 Mar–Apr;4(2):288–94

Comparison of dietary protein with an oral, branched chain-enriched amino acid supplement in chronic portal-systemic encephalopathy: a randomized controlled trial. Horst D, et al. **Hepatology** 1984 Mar–Apr;4(2):279–87

Enteral nutrition in malnourished patients with hepatic cirrhosis and acute encephalopathy. Keohane PP, et al. **JPEN** 1983 Jul–Aug;7(4):346–50

Does modified amino acid total parenteral nutrition alter immune-response in high level surgical stress. Nuwer N, et al. **JPEN** 1983 Nov–Dec;7(6):521–4

Improvement in amino acid use in the critically ill patient with parenteral formulas enriched with branched chain amino acids. Echenique MM, et al. **Surg Gynecol Obstet** 1984 Sep;159(3):233–41

[Lack of stimulation of nitrogen retention and plasma protein synthesis due to increased intake of branched-chain amino acids] Roth E, et al. **Infusionsther Klin Ernahr** 1983 Oct; 10(5):259–66 (Eng. Abstr.) **(Ger)**

[Short-term treatment of chronic recurrent hepatic encephalopathy with enteral administration of a mixture rich in branched-chain amino acids and energy] Guarnieri GF, et al. **G Clin Med** 1984 Feb;65(2):79–85 (Eng. Abstr.) **(Ita)**

[Metabolic and clinical effects of the acute and chronic oral administration of a combination of branched-chain amino acids and saccharose] Dioguardi FS, et al. **Minerva Chir** 1983 Nov 15;38(21):1815–9 **(Ita)**

BIOSYNTHESIS

Synthesis and myocardial kinetics of N-13 and C-11 labeled branched-chain L-amino acids. Barrio JR, et al. **J Nucl Med** 1983 Oct;24(10):937–44

[Selection of mutant branched-chain amino acid producers in the methylotrophic yeasts Hansenula polymorpha] Titorenko VI, et al. **Mikrobiologiia** 1983 Nov–Dec; 52(6):979–85 (Eng. Abstr.) **(Rus)**

BLOOD

Branched chain and aromatic free amino acids in plasma and skeletal muscle of uremic patients undergoing hemodialysis and CAPD. Graziani G, et al. **Int J Artif Organs** 1984 Mar;7(2):85–8

The relationship between branched-chain amino acids and alpha-keto acids in blood in uremia. Dalton RN, et al. **Kidney Int [Suppl]** 1983 Dec;16:S61–6

Insulin-dependent metabolism of branched-chain amino acids in obesity. Forlani G, et al. **Metabolism** 1984 Feb; 33(2):147–50

Influence of insulin on blood levels of branched chain keto and amino acids in man. Schauder P, et al. **Metabolism** 1983 Apr;32(4):323–7

DEFICIENCY

Increased plasma ammonia may inhibit cellular release of branched-chain amino acids in systemic portal encephalopathy. Jahn HA, et al. **Kidney Int [Suppl]** 1983 Dec;16:S67–70

METABOLISM

Branched-chain amino acid metabolism. Harper AE, et al. **Annu Rev Nutr** 1984;4:409–54 (244 ref.)

Hydroxy acid metabolites of branched-chain amino acids in amniotic fluid. Jakobs C, et al. **Clin Chim Acta** 1984 Jul 16;140(2):157–66

Nitrogen retention in critically ill patients is proportional to the branched chain amino acid load. Cerra FB, et al. **Crit Care Med** 1983 Oct;11(10):775–8

Changes in pituitary secretion after administration of branched-chain amino acids to patients with hepatic cirrhosis. Barreca T, et al. **Eur J Clin Pharmacol** 1983; 25(6):763–6

Organic acids and branched-chain amino acids in body fluids before and after multiple exchange transfusions in maple syrup urine disease. Shigematsu Y, et al. **J Inherited Metab Dis** 1983;6(4):183–9

Comparative studies between rates of incorporation of branched-chain amino acids and their alpha-ketoanalogues into rat tissue proteins under different dietary conditions. Hauschildt S, et al. **J Nutr Sci Vitaminol (Tokyo)** 1984 Apr; 30(2):143–52

PHARMACODYNAMICS

Branched-chain ketoacid dehydrogenase activity and growth of normal and mutant human fibroblasts: the effect of branched-chain amino acid concentration in culture medium. Danner DJ, et al. **Biochem Genet** 1983 Oct; 21(9–10):895–905

Hyperprolactinemia in hepatic encephalopathy: the effect of infusion of an amino acid mixture with excess branched chain amino acids. Bauer AG, et al. **Hepatogastroenterology** 1983 Oct;30(5):174–7

[Effect of carbon branched-chain amino acids on gastric secretion] Ignatenko LG. **Vopr Pitan** 1984 May–Jun; (3):51–3 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Branched-chain amino acids in catabolic states. Smith R, et al. **Proc Nutr Soc** 1983 Sep;42(3):473–87 (63 ref.)

THERAPEUTIC USE

Effect of a branched chain amino acid-enriched nutritional product on the pathophysiology of the liver and nutritional state of patients with liver cirrhosis. Watanabe A, et al. **Acta Med Okayama** 1983 Aug;37(4):321–33

Therapeutic aspects of branched-chain amino and keto acids. Walser M. **Clin Sci** 1984 Jan;66(1):1–15 (173 ref.)

Effect of branched-chain amino acids and insulin on postinjury protein catabolism in growing animals. Maksoud JG, et al. **JPEN** 1984 Jul–Aug;8(4):416–20

Cirrhosis, encephalopathy, and improved results with metabolic support. Cerra FB, et al. **Surgery** 1983 Oct; 94(4):612–9

Branched-chain amino acid-enriched elemental diet in patients with cirrhosis of the liver. A double blind crossover trial. Sieg A, et al. **Z Gastroenterol** 1983 Nov; 21(11):644–50

[Therapeutic significance of branched-chain keto and amino acids] Schauder P. **Internist (Berlin)** 1984 May;25(5):313–9 **(Ger)**

[Solutions of selective and branched-chain amino acids in the treatment of hepatic encephalopathy in cancer patients] Nahum M, et al. **Clin Ter** 1984 Feb 29;108(4):313–8 (Eng. Abstr.) **(Ita)**

[Branched-chain amino acids for patients with liver disease—an effective treatment or scientific humbug?] Eriksson LS, et al. **Lakartidningen** 1984 Feb 29;81(9):774–6 **(Swe)**

AMINO ACIDS, DIAMINO

ANALYSIS

Occurrence of bound muramic acid and alpha, epsilon-diaminopimelic acid in soil and comparison of their contents with bacterial biomass. Durska G, et al. **Acta Microbiol Pol** 1983;32(3):257–63

Normal free dibasic amino acids in breast milk of a woman with cystinuria [letter] Gahl WA, et al. **N Engl J Med** 1983 Dec 1;309(22):1388–9

[Determination of fecal bacterial nitrogen in rats] Müller H, et al. **Z Ernahrungswiss** 1984 Mar;23(1):52–7 (Eng. Abstr.) **(Ger)**

[Determination of 2-6-diaminopimelic acid in samples of bacteria isolated from the rumen of sheep using an automatic amino acid analyzer] Smutný J, et al. **Vet Med (Praha)** 1984 Feb;29(2):101–5 (Eng. Abstr.) **(Slo)**

METABOLISM

Regulatory mutants of Streptomyces clavuligerus affected in free diaminopimelic acid content and antibiotic biosynthesis. Aharonowitz Y, et al. **J Bacteriol** 1984 Jan; 157(1):337–40

Attachment of diaminopimelic acid to bdelloplast peptidoglycan during intraperiplasmic growth of Bdellovibrio bacteriovorus 109J. Ruby EG, et al. **J Bacteriol** 1984 May;158(2):597–602

Oral administration of arginine and citrulline in the treatment of lysinuric protein intolerance. Mizutani N, et al. **Tohoku J Exp Med** 1984 Jan;142(1):15–24

Dibasic amino acid transport: lessons from human disease. Thier SO. **Trans Am Clin Climatol Assoc** 1983;95:132–6

[Comparative effects of 4 cephalosporins on the incorporation of tritiated diaminopimelic acid during bacterial growth] Rolin O, et al. **Pathol Biol (Paris)** 1984 May;32(5):318–21 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Immunoactive peptides, FK-156 and FK-565. III. Enhancement of host defense mechanisms against infection. Mine Y, et al. **J Antibiot (Tokyo)** 1983 Aug;36(8):1059–66

Immunoactive peptides, FK-156 and FK-565. I. Enhancement of host resistance to microbial infection in mice. Mine Y, et al. **J Antibiot (Tokyo)** 1983 Aug; 36(8):1045–50

Immunoactive peptides, FK-156 and FK-565. II. Restoration of host resistance to microbial infection in immunosuppressed mice. Yokota Y, et al. **J Antibiot (Tokyo)** 1983 Aug;36(8):1051–8

AMINO ACIDS, DICARBOXYLIC

Mechanism of inactivation of pyridoxal phosphate-linked aspartate transaminase by gostatin. Nishino T, et al. **J Biochem (Tokyo)** 1984 May;95(5):1283–8

BLOOD

Correlation of aspartate dose, plasma dicarboxylic amino acid concentration, and neuronal necrosis in infant mice. Finkelstein MW, et al. **Toxicology** 1983 Dec;29(1–2):109–19

METABOLISM

Thermodynamic interactions in the glutamate dehydrogenase-NADPH-oxalylglycine complex. Fisher HF, et al. **J Biol Chem** 1984 Apr 10;259(7):4105–10

Recognition chemistry of anionic amino acids for hepatocyte transport and for neurotransmittory action compared. Christensen HN, et al. **Life Sci** 1983 Dec 5;33(23):2255–67 (67 ref.)

Studies on the transport of anions and zwitterions of acidic amino acids in Streptomyces hydrogenans. Fritsch J, et al. **Z Naturforsch [C]** 1983 Jul–Aug;38(7–8):617–20

PHARMACODYNAMICS

Effect of D, L-alpha-aminoadipate on the mediobasal hypothalamus and endocrine function in the rat. Bruni JE, et al. **Acta Neuropathol (Berl)** 1984;64(2):129–38

Cells in the anteroventral cochlear nucleus are insensitive to L-glutamate and L-aspartate; excitatory synaptic responses are not blocked by D-alpha-aminoadipate. Oertel D. **Brain Res** 1984 Jun 8;302(2):213–20

Effects of alpha-aminoadipate isomers on the morphology of the isolated chick embryo retina. Casper DS, et al. **Invest Ophthalmol Vis Sci** 1983 Nov;24(11):1480–8

Responses of solitary retinal horizontal cells from Carassius auratus to L-glutamate and related amino acids. Ishida AT, et al. **J Physiol (Lond)** 1984 Mar;348:255–70

A comparison of the effects of isomers of alpha-aminoadipic acid and 2-amino-4-phosphonobutyric acid on the light response of the müller glial cell and the electroretinogram. Zimmerman RP, et al. **Neuroscience** 1984 May;12(1):77–84

Interaction of omega-substituted analogs of dicarboxylic amino acids with aspartate aminotransferase. Heller M, et al. **Prog Clin Biol Res** 1984;144B:153–9

[Action of D-alpha aminoadipic acid on the sensory organs of the inner ear in the frog] Prigioni I, et al. **Boll Soc Ital Biol Sper** 1984 May 30;60(5):993–8 (Eng. Abstr.) **(Ita)**

TOXICITY

Gliotoxic effects of alpha-aminoadipic acid on monolayer cultures of dissociated postnatal mouse cerebellum. Huck S, et al. **Neuroscience** 1984 Jul;12(3):783–91

[Effects on intravitreally injected DL-alpha-aminoadipate on proliferated Müller cells] Mine S. **Nippon Ganka Gakkai Zasshi** 1984 Apr;88(4):719–26 (Eng. Abstr.) **(Jpn)**

[Histopathological study on the difference of retinal toxicity of D-and L-alpha-aminoadipate] Mine S. **Nippon Ganka Gakkai Zasshi** 1984 Feb;88(2):275–83 (Eng. Abstr.) **(Jpn)**

AMINO ACIDS, ESSENTIAL

ADMINISTRATION & DOSAGE

The utilization of protein from a low-protein diet as determined by limiting essential amino acids. Jabłoński E, et al. **Br J Nutr** 1984 Mar;51(2):235–43

Oral essential aminoacid and ketoacid supplements in children with chronic renal failure. Jones R, et al. **Kidney Int** 1983 Jul;24(1):95–103

Comparison of three low-nitrogen diets containing essential amino acids and their alpha analogues for severely uremic children. Broyer M, et al. **Kidney Int [Suppl]** 1983 Dec; 16:S290–4

Metabolism of orally administered branched-chain alpha-keto acids. Dalton RN, et al. **Kidney Int [Suppl]** 1983 Nov;15:S11–5

Serum oxalic acid in uremia: effect of a low-protein diet supplemented with essential amino acids and ketoanalogues. Barsotti G, et al. **Nephron** 1984;38(1):54–6

Effects of a nonspecific nitrogen deficiency on growth rate and leg problems in chicks. de Moraes GH, et al. **Poult Sci** 1984 Feb;63(2):344–53

[Nutritive value of dietary ribonucleic acid and its nucleosides for growing rats with a diet deficient in nonessential amino acid N. 1. Assessment of the amino acid status of rats] Greife HA. **Zentralbl Veterinarmed [A]** 1984 May;31(4):269–79 (Eng. Abstr.) **(Ger)**

[Analysis of organic acids in uremic serum during intravenous infusion of essential amino acids using gas chromatography-mass spectrometry] Maeda K, et al. **Nippon Jinzo Gakkai Shi** 1983 Aug;25(8):1003–9 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Variable predictions of protein quality by chemical score due to amino acid analysis and reference pattern. Seligson FH, et al. **J Nutr** 1984 Apr;114(4):682–91

BLOOD

Branched chain and aromatic free amino acids in plasma and skeletal muscle of uremic patients undergoing hemodialysis and CAPD. Graziani G, et al. **Int J Artif Organs** 1984 Mar;7(2):85–8

CEREBROSPINAL FLUID

Neurotransmitter imbalance in plasma and cerebrospinal fluid during dialytic treatment. Biasioli S, et al. **Trans Am Soc Artif Intern Organs** 1983;29:44–9

METABOLISM

Nutrition in renal failure. Walser M. **Annu Rev Nutr** 1983; 3:125–54 (191 ref.)
Protein, essential amino acids and glycine requirements of the growing gosling (Anser cireneus). Nitsan Z, et al. **Br J Nutr** 1983 Sep;50(2):455–61
Taurine in human milk: growth modulator or conditionally essential amino acid? Gaull GE. **J Pediatr Gastroenterol Nutr** 1983;2 Suppl 1(Suppl 1):S266–71
Availability of essential amino acids in corn flour and corn bread. El-Shafei MM, et al. **Nahrung** 1983;27(8):803–8
Maintenance nitrogen requirement of the turkey breeder hen with an estimate of associated essential amino acid needs. Moran ET Jr, et al. **Poult Sci** 1983 Sep;62(9):1823–9
[Content of essential amino acids in prematurely weaned piglets after a qualitatively and quantitatively variable protein diet] Staudacher W, et al. **Arch Tierernahr** 1984 Apr;34(4):261–70 (Eng. Abstr.) (Ger)
[Effect of a second limiting amino acid on protein utilization] Jabłoński E. **Roczn Panstw Zakl Hig** 1983;34(2):147–51 (Eng. Abstr.) (Pol)

PHARMACODYNAMICS

Food intake of suckling rats after administration of glucose and amino acids. Mozeš S, et al. **Physiol Bohemoslov** 1983; 32(5):460–5
[Essential and substituted amino acids as chemical stimuli in the clawed frog Xenopus laevis] Kruzhalov NB. **Zh Evol Biokhim Fiziol** 1983 Sep–Oct;19(5):503–6 (Eng. Abstr.) (Rus)

PHYSIOLOGY

An update of concepts of essential amino acids. Visek WJ. **Annu Rev Nutr** 1984;4:137–55 (138 ref.)

THERAPEUTIC USE

Nitrogen balance studies in patients with uremia during treatment with protein-reduced diet and supplementation with essential amino acids or keto acids. Attman PO, et al. **Ann Nutr Metab** 1984;28(1):29–36
Gastric function in marasmus [letter] Balkrishna KK. **Indian Pediatr** 1983 Sep;20(9):689

AMINO ACIDS, SECONDARY see IMINO ACIDS

AMINO ACIDS, SULFUR

The geometry of the thiopeptide unit. La Cour TF, et al. **Int J Pept Protein Res** 1983 Oct;22(4):509–12
Methotrexate analogues. 19. Replacement of the glutamate side chain in classical antifolates by L-homocysteic acid and L-cysteic acid: effect on enzyme inhibition and antitumor activity. Rosowsky A, et al. **J Med Chem** 1984 May;27(5):600–4

ADMINISTRATION & DOSAGE

Chemical modification of radiation induced changes in erythroid cells of mouse bone marrow. Bhagat RM, et al. **Radiobiol Radiother (Berl)** 1983;24(4):539–43

ADVERSE EFFECTS

Primary biliary cirrhosis. A patient with adverse reactions to tiopronin and autoimmune hemolytic anemia with reticulocytopenia. Shichiri M, et al. **Arch Intern Med** 1984 Jan;144(1):89–91
Thiopronine-induced pemphigus vulgaris in rheumatoid arthritis. Trotta F, et al. **Scand J Rheumatol** 1984;13(1):93–5

ANALYSIS

Study of cysteine, cystine and methionine in normal and cataractous human lenses. Kulshrestha OP, et al. **Indian J Ophthalmol** 1983 May;31(3):267–9
[Colorimetric analysis of mercaptopropionylglycine in pharmaceutic formulations] Raggi MA, et al. **Farmaco [Prat]** 1983 Aug;38(8):312–6 (Eng. Abstr.) (Ita)
[Whole soy bean flour: use of a methodology of response surface for the study of nutritional aspects] Buassi N, et al. **Arch Latinoam Nutr** 1983 Sep;33(3):557–72 (Eng. Abstr.) (Por)
[Determination of sulfur-containing amino acids in food products] Skurikhin IM, et al. **Vopr Pitan** 1983 Sep–Oct; (5):59–62 (Eng. Abstr.) (Rus)

CEREBROSPINAL FLUID

Concentrations of sulfur-containing free amino acids in lumbar cerebrospinal fluid from patients with consciousness disturbances. Yanai Y, et al. **Acta Neurol Scand** 1983 Dec; 68(6):386–93

CHEMICAL SYNTHESIS

Synthesis and properties of N-, O-, and S-phospho derivatives of amino acids, peptides, and proteins. Frank AW. **CRC Crit Rev Biochem** 1984;16(1):51–101 (240 ref.)

METABOLISM

Retinal degeneration in vitamin B12 disorder associated with methylmalonic aciduria and sulfur amino acid abnormalities. Robb RM, et al. **Am J Ophthalmol** 1984 Jun; 97(6):691–6
Sulphur amino acid requirement of laying hens and the effects of excess dietary methionine on laying performance. Schutte JB, et al. **Br Poult Sci** 1983 Jul;24(3):319–26
Localization of cysteine sulfinic acid uptake sites in rat brain by quantitative autoradiography. Parsons B, et al. **Brain Res** 1984 Feb 27;294(1):193–7
Mutations affecting the sulphur assimilation pathway in Aspergillus nidulans: their effect on sulphur amino acid metabolism. Paszewski A, et al. **J Gen Microbiol** 1984 May; 130 (Pt 5):1113–21
Renal adaptation to altered dietary sulfur amino acid intake occurs at luminal brushborder membrane. Chesney RW, et al. **Kidney Int** 1983 Nov;24(5):588–94
Sulfur amino acid metabolism in juvenile-onset nonketotic and ketotic diabetic patients. Mårtensson J, et al. **Metabolism** 1984 May;33(5):425–8
Developmental aspects of renal beta-amino acid transport. IV. Brush border membrane response to altered intake of sulfur amino acids. Chesney RW, et al. **Pediatr Res** 1984 Jul;18(7):611–8
The amino acid requirements of growing turkeys. 2. Experimental validation of model-calculated requirements for sulfur amino acids and lysine. Hurwitz S, et al. **Poult Sci** 1983 Dec;62(12):2387–93
Sulphur amino acid requirement of young pigs. Berende PL, et al. **Z Tierphysiol Tiernahr Futtermittelkd** 1983 Aug; 50(3):93–100
[Comparison of casein utilization limited by different amino acids] Iablon'ski E, et al. **Vopr Pitan** 1984 May–Jun; (3):38–41 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

Effects of prenatal gamma-radiation on the development of mice and its modification by 2-mercaptopropionylglycine. Dev PK, et al. **Acta Anat (Basel)** 1983;116(4):339–45
Endogenous opiate reward induced by an enkephalinase inhibitor, thiorphan, injected into the ventral midbrain. Glimcher PW, et al. **Behav Neurosci** 1984 Apr;98(2):262–8
Effect of 2-mercaptopropionylglycine on lipid peroxidation and drug oxidation in rat liver microsomes. Harata J, et al. **Biochem Int** 1984 Jan;8(1):49–59
Interaction between 1,4-thiazine derivatives and D-amino-acid oxidase. Ricci G, et al. **Biochim Biophys Acta** 1983 Oct 17;748(1):40–7
Enkephalinase 'A' inhibition by thiorphan: central and peripheral cardiovascular effects. Baum T, et al. **Eur J Pharmacol** 1983 Oct 14;94(1-2):85–91
Inhibition by sulfur-containing amino acids and GABA of sympathetic neurotransmission in guinea-pig vas deferens. Morishita H, et al. **Eur J Pharmacol** 1983 Nov 11; 95(1-2):13–9
Radioresponse of mouse liver and its modification by antiradiation drug MPG (2-mercaptopropionyl glycine). A quantitative study. Kumar S, et al. **J Nucl Med Allied Sci** 1983 Jul–Sep;27(3):215–8
Chemical radiation protection by alpha-mercaptopropionylglycine. Uma Devi P. **J Nucl Med Allied Sci** 1983 Oct–Dec;27(4):327–36
Pain control by endogenous enkephalins is mediated by mu opioid receptors. Chaillet P, et al. **Life Sci** 1983;33 Suppl 1:685–8
Rat brain enkephalinase: characterization of the active site using mercaptopropanoyl amino acid inhibitors, and comparison with angiotensin-converting enzyme. Gordon EM, et al. **Life Sci** 1983;33 Suppl 1:113–6
Depressive effects of morphine and of an enkephalinase inhibitor on responses of ventro-basal thalamic neurones to noxious stimuli. Guilbaud G, et al. **Life Sci** 1983;33 Suppl 1:545–7
Radioprotective effect of MPG on mouse liver irradiated in utero with gamma radiation. Patni N, et al. **Radiobiol Radiother (Berl)** 1983;24(6):763–8
Radioresponse of peripheral blood and its modification by MPG (2-mercaptopropionylglycine) in mice IV total plasma protein. Kumar S, et al. **Strahlentherapie** 1983 Aug; 159(8):502–4
[Inhibition of the evoked liberation of (Met5)enkephalin from slices of globus pallidus in the presence of thiorphan and bestatin] Giros B, et al. **C R Seances Acad Sci [III]** 1983; 297(13):609–12 (Eng. Abstr.) (Fre)

THERAPEUTIC USE

Effect of MPG on glucocorticoid-induced cataract formation in developing chick embryo. Nishigori H, et al. **Invest Ophthalmol Vis Sci** 1984 Sep;25(9):1051–5
Alternative treatment of cystinuria with alpha-merkaptopropionylglycine, Thiola. Denneberg T, et al. **Proc Eur Dial Transplant Assoc** 1983;20:427–33
[The action of tiopronin on mucociliary clearance in chronic obstructive bronchopneumopathy] Bertoli L, et al. **Arch Monaldi** 1982 Jan–Apr;37(1-2):93–8 (Ita)
[Prevention of cysteine calculosis by the continuous administration of alpha-mercaptopropionylglycine] Berio A. **Minerva Pediatr** 1983 Dec 31;35(23-24):1197–1206 (Eng. Abstr.) (Ita)

URINE

Hawkinsinuria--identification of quinolacetic acid and pyroglutamic acid during an acidotic phase. Hocart CH, et al. **J Chromatogr** 1983 Jul 8;275(2):237–43
Effect of gastrointestinal surgery and bacterial overgrowth on the urinary excretion of sulfur amino acids and their main degradation products. Mårtensson J, et al. **Scand J Gastroenterol** 1984 Jun;19(4):507–14

AMINO ACYL T RNA

Glycerol, sucrose, and other diol-containing reagents are not inert components in in vitro incubations containing aminoacyl-tRNA. Johnson AE, et al. **Anal Biochem** 1984 Mar;137(2):351–9
Sequence of tRNA Ile IAU from brewer's yeast. Pixa G, et al. **Biochem Biophys Res Commun** 1984 Mar 30; 119(3):905–12
The solution structure of a RNA pentadecamer comprising the anticodon loop and stem of yeast tRNAPhe. A 500 MHz 1H-n.m.r. study. Clore GM, et al. **Biochem J** 1984 Aug 1;221(3):737–51
Tertiary structure of tRNAPhe. A possible correlation between the structural functional unit of this tRNA and its exonic sequence. Malathi R, et al. **Biochem J** 1984 Apr 1;219(1):341–4
Structure of phenylalanine-accepting transfer ribonucleic acid and of its environment in aqueous solvents with different salts. Li ZQ, et al. **Biochemistry** 1983 Sep 13; 22(19):4380–8
Chemically induced dynamic nuclear polarization studies of yeast tRNAPhe. McCord EF, et al. **Biochemistry** 1984 Apr 24;23(9):1935–9
Primary structure of three tRNAs from brewer's yeast: tRNAPro2, tRNAHis1 and tRNAHis2. Keith G, et al. **Biochimie** 1983 Nov–Dec;65(11-12):661–72
Conformational change in yeast tRNAAsp. Huong PV, et al. **Biopolymers** 1984 Jan;23(1):71–81
Locally oscillatory motion of RNA helix derived from linear relationships of backbone torsion angles. Kitamura K, et al. **Biopolymers** 1984 Jul;23(7):1169–84
Tertiary structure of animal tRNATrp in solution and interaction of tRNATrp with tryptophanyl-tRNA synthetase. Garret M, et al. **Eur J Biochem** 1984 Jan 2; 138(1):67–75
Comments on: polymorphism of serine-specific transfer ribonucleic acid. Influence of the temperature on the crystallization of serine-specific tRNA [letter] Hendrickson WA, et al. **Eur J Biochem** 1984 May 15;141(1):237–9
Magnesium cation induced conformational change of yeast tRNAPhe as studied by singlet-singlet energy transfer. Nagamatsu K, et al. **J Biochem (Tokyo)** 1983 Dec; 94(6):1967–71
Structure of intron-containing tRNA precursors. Analysis of solution conformation using chemical and enzymatic probes. Swerdlow H, et al. **J Biol Chem** 1984 Apr 25; 259(8):5197–207
Sequence and structure of a serine transfer RNA with GCU anticodon from mosquito mitochondria. Dubin DT, et al. **J Mol Biol** 1984 Jun 25;176(2):251–60
Mechanism of codon recognition by transfer RNA and codon-induced tRNA association. Labuda D, et al. **J Mol Biol** 1984 Apr 25;174(4):587–604
Mapping of psoralen cross-linked nucleotides in RNA. Garrett-Wheeler E, et al. **Nucleic Acids Res** 1984 Apr 11; 12(7):3405–23
Similar binding of the carcinostatic drugs cis-[Pt(NH3)2Cl2] and [Ru(NH3)5Cl] Cl2 to tRNAphe and a comparison with the binding of the inactive trans-[Pt(NH3)2Cl2] complex – reluctance in binding to Watson-Crick base pairs within double helix. Rubin JR, et al. **Nucleic Acids Res** 1983 Sep 24;11(18):6571–86
The conformation of the tRNAPhe anticodon loop monitored by fluorescence. Wells BD. **Nucleic Acids Res** 1984 Feb 24;12(4):2157–70
Phenylalanine transfer RNA: molecular dynamics simulation. Harvey SC, et al. **Science** 1984 Mar 16;223(4641):1189–91
Hydrogen bond indices and tertiary structure of yeast tRNAPhe. de Giambiagi MS, et al. **Z Naturforsch [C]** 1983 Jul–Aug;38(7-8):621–30

ANALYSIS

A ribonuclease assay: separation of product from undegraded aminoacyl-transfer RNA substrate. Lee CC, et al. **Anal Biochem** 1983 Nov;135(1):64–8
Specific lack of the hypermodified nucleoside, queuosine, in hepatoma mitochondrial aspartate transfer RNA and its possible biological significance. Randerath E, et al. **Cancer Res** 1984 Mar;44(3):1167–71
Degradation of nucleic acids with ozone. III. Mode of ozone-degradation of mouse proline transfer ribonucleic acid (tRNA) and isoleucine tRNA. Shinriki N, et al. **Chem Pharm Bull (Tokyo)** 1983 Oct;31(10):3601–8
Immunoelectron microscopic localization of the S19 site on the 30 S ribosomal subunit which is crosslinked to A site bound transfer RNA. Lin FL, et al. **J Mol Biol** 1984 Jan 5;172(1):41–55
Electron microscopy of tRNA crystals. I. Thin crystals negatively stained with uranyl acetate. Fujiyoshi Y, et al. **Ultramicroscopy** 1983–84;12(3):210–12

BIOSYNTHESIS

Inhibition of aminoacyl-transfer RNA formation by low-molecular substances from melanoma extract.

Ishikawa K, et al. **Gann** 1984 Jan;75(1):43–52
Inhibition of protein and aminoacyl-tRNA synthesis, and binding and transport sites for aromatic amino acids in the brain in vitro with aromatic acids. Lähdesmäki P. **Int J Neurosci** 1984 Mar;23(1):1–13

BLOOD

The association of eIF-2 with Met-tRNAi or eIF-2B alters the specificity of eIF-2 phosphatase. Crouch D, et al. **J Biol Chem** 1984 Aug 25;259(16):10363–8

CHEMICAL SYNTHESIS

T4 RNA ligase mediated preparation of novel 'chemically misacylated' tRNAPheS. Heckler TG, et al. **Biochemistry** 1984 Mar 27;23(7):1468–73
Studies on transfer ribonucleic acids and related compounds. XLIV. A large-scale synthesis of the anticodon heptanucleotide of formyl-methionine transfer ribonucleic acid by using 2'-O-tetrahydrofuranylnucleosides. Ohtsuka E, et al. **Chem Pharm Bull (Tokyo)** 1983 Jun;31(6):1910–6

GENETICS

Two-dimensional gel electrophoresis technique for determination of the cross-linked nucleotides in cleavable covalent RNA-RNA complexes. Application to Escherichia coli and Bacillus subtilis acetylvalyl-tRNA covalently linked to E. coli 16S and yeast 18S ribosomal RNA. Ehresmann C, et al. **Biochemistry** 1984 Jan 31; 23(3):438–45
Cross-linking of the anticodon of Escherichia coli and Bacillus subtilis acetylvalyl-tRNA to the ribosomal P site. Characterization of a unique site in both E. coli 16S and yeast 18S ribosomal RNA. Ehresmann C, et al. **Biochemistry** 1984 Jan 31;23(3):429–37
The promoter sequence of a yeast tRNAtyr gene. Allison DS, et al. **Cell** 1983 Sep;34(2):655–64
DNA structural variations in the E. coli tyrT promoter. Drew HR, et al. **Cell** 1984 Jun;37(2):491–502
5'-flanking sequences that inhibit in vitro transcription of a xenopus laevis tRNA gene. Hipskind RA, et al. **Cell** 1983 Oct;34(3):881–90
Hybrid transfer RNA genes in phage T4. McClain WH, et al. **Cell** 1984 Aug;38(1):225–31
Mutations in Box B of the promoter of a eucaryotic tRNAPro gene affect rate of transcription, processing, and stability of the transcripts. Traboni C, et al. **Cell** 1984 Jan; 36(1):179–87
Homologous in vitro transcription of linear DNA fragments containing the tRNAArg-tRNAAsp gene pair from Saccharomyces cerevisiae. Kjellin-Straby K, et al. **DNA** 1984;3(2):167–71
A prokaryotic tRNATyr gene, inactive in Xenopus laevis oocytes, is activated by recombination with an eukaryotic tRNAPro gene. Dente L, et al. **EMBO J** 1982;1(7):817–20
Genetic analysis of the processing of a spliced tRNA. Nishikura K, et al. **EMBO J** 1982;1(2):263–8
Differential binding of a S. cerevisiae RNA polymerase III transcription factor to two promoter segments of a tRNA gene. Stillman DJ, et al. **EMBO J** 1984 Apr;3(4):847–53
The E. coli divE mutation, which differentially inhibits synthesis of certain proteins, is in tRNASer1. Tamura F, et al. **EMBO J** 1984 May;3(5):1103–7
A novel method for site-directed mutagenesis: its application to an eukaryotic tRNAPro gene promoter. Traboni C, et al. **EMBO J** 1982;1(4):415–20
Construction of a UGA suppressor tRNA by modification in vitro of yeast tRNACys. Vacher J, et al. **Eur J Biochem** 1984 Jan 2;138(1):77–81
Nucleotide sequence of a yeast tRNAArg3A gene and its transcription in a homologous in vitro system. Villanueva J, et al. **FEBS Lett** 1984 Feb 13;167(1):165–9
Structure and evolution of mammalian tRNA genes: sequence of a mouse tRNAiMet gene, the 5'-flanking region of which is homologous to a human gene. Han JH, et al. **Gene** 1984 May;28(2):249–55
Nucleotide sequences of two regions of the human genome containing tRNAAsn genes. Ma DP, et al. **Gene** 1984 May; 28(2):257–62
Genetic mapping of pheU, an Escherichia coli gene for phenylalanine tRNA. Gallagher PJ, et al. **J Bacteriol** 1984 May;158(2):762–3
Suppressors of lysine codons may be misacylated lysine tRNAs. Murgola EJ, et al. **J Bacteriol** 1983 Nov; 156(2):917–9
Loss of positional specificity in the aminoacylation of Escherichia coli tRNAGly. Ehrenfeld GM, et al. **J Biol Chem** 1983 Oct 10;258(19):11745–50
Three regions of a yeast tRNALeu3 gene promote RNA polymerase III transcription. Johnson JD, et al. **J Biol Chem** 1984 May 10;259(9):5990–4
Characterization of tRNA precursor splicing in mammalian extracts. Laski FA, et al. **J Biol Chem** 1983 Oct 10; 258(19):11974–80
Unconventional reading of the glycine codons. Samuelsson T, et al. **J Biol Chem** 1983 Nov 10;258(21):13178–84
Correlations between transcription of a yeast tRNA gene and transcription factor-DNA interactions. Stillman DJ, et al. **J Biol Chem** 1984 Jun 25;259(12):7955–62
Structure of the ribotrinucleoside diphosphate codon UpUpC bound to tRNAPhe from yeast. A time-dependent transferred nuclear Overhauser enhancement study. Clore GM, et al. **J Mol Biol** 1984 Mar 25;174(1):163–73
Nucleotide substitution in the amino acid acceptor stem of lysine transfer RNA causes missense suppression. Prather NE, et al. **J Mol Biol** 1984 Jan 15;172(2):177–84
The effect of point mutations affecting Escherichia coli tryptophan tRNA on anticodon-anticodon interactions and on UGA suppression. Vacher J, et al. **J Mol Biol** 1984 Aug 5;177(2):329–42
Human mitochondrial genome and the evolution of methionine transfer ribonucleic acids. Mikelsaar R. **J Theor Biol** 1983 Nov 21;105(2):221–32
Identifying primary translation products: use of N-formylmethionyl-tRNA and prevention of NH2-terminal acetylation. Palmiter RD. **Methods Enzymol** 1983;96:150–7
The hisR locus of Salmonella: nucleotide sequence and expression. Bossi L. **MGG** 1983;192(1–2):163–70
Missense and nonsense suppressors derived from a glycine tRNA by nucleotide insertion and deletion in vivo. Murgola EJ, et al. **MGG** 1984;193(1):76–81
Generation of long read-through transcripts in vivo and in vitro by deletion of 3' termination and processing sequences in the human tRNAimet gene. Adeniyi-Jones S, et al. **Nucleic Acids Res** 1984 Jan 25;12(2):1101–15
A cluster of six tRNA genes in Drosophila mitochondrial DNA that includes a gene for an unusual tRNAserAGY. Clary DO, et al. **Nucleic Acids Res** 1984 Mar 12; 12(5):2367–79
Sequence and structure of a methionine transfer RNA from mosquito mitochondria. Dubin DT, et al. **Nucleic Acids Res** 1984 May 25;12(10):4185–9
Six Schizosaccharomyces pombe tRNA genes including a gene for a tRNALys with an intervening sequence which cannot base-pair with the anticodon. Gamulin V, et al. **Nucleic Acids Res** 1983 Dec 20;11(24):8537–46
Interactions between avian myeloblastosis reverse transcriptase and tRNATrp. Mapping of complexed tRNA with chemicals and nucleases. Garret M, et al. **Nucleic Acids Res** 1984 Mar 12;12(5):2259–71
Structure and function of tryptophan tRNA from wheat germ. Ghosh K, et al. **Nucleic Acids Res** 1984 Jun 25; 12(12):4997–5003
Lysine tRNAs from rat liver: lysine tRNA sequences are highly conserved. Hedgcoth C, et al. **Nucleic Acids Res** 1984 Mar 12;12(5):2535–41
Sequence of the genes for tRNACys and tRNAAsp from spinach chloroplasts. Holschuh K, et al. **Nucleic Acids Res** 1983 Dec 20;11(24):8547–54
A major lysine tRNA with a CUU anticodon in insect mitochondria. HsuChen CC, et al. **Nucleic Acids Res** 1983 Dec 20;11(24):8659–62
The primary structures of two arginine tRNAs (anticodons C-C-U and mcm5a2U-C-psi) and of glutamine tRNA (anticodon C-U-G) from bovine liver. Keith G. **Nucleic Acids Res** 1984 Mar 12;12(5):2543–7
Long-range conformational transition in yeast tRNAPhe, induced by the Y-base removal and detected by chloroacetaldehyde modification. Krzyżosiak WJ, et al. **Nucleic Acids Res** 1983 Oct 11;11(19):6913–21
Structure and evolution of a mouse tRNA gene cluster encoding tRNAAsp, tRNAGly and tRNAGlu and an unlinked, solitary gene encoding tRNAAsp. Looney JE, et al. **Nucleic Acids Res** 1983 Dec 20;11(24):8761–75
The beta subunit of E. coli glycyl-tRNA synthetase plays a major role in tRNA recognition. Nagel GM, et al. **Nucleic Acids Res** 1984 May 25;12(10):4377–84
Long terminal repeat sequences of intracisternal A particle genes in the Syrian hamster genome: identification of tRNAPhe as a putative primer tRNA. Ono M, et al. **Nucleic Acids Res** 1983 Oct 25;11(20):7169–79
Nucleotide sequences of three soybean chloroplast tRNAsLeu and re-examination of bean chloroplast tRNA2Leu sequence. Pillay DT, et al. **Nucleic Acids Res** 1984 Mar 26;12(6):2997–3001
supG and supL in Escherichia coli code for mutant lysine tRNAs+. Prather NE, et al. **Nucleic Acids Res** 1983 Dec 10;11(23):8283–6
Each element of the Drosophila tRNAArg gene split promoter directs transcription in Xenopus oocytes. Sharp S, et al. **Nucleic Acids Res** 1983 Dec 20;11(24):8677–90
Junctions of the large single copy region and the inverted repeats in Spinacia oleracea and Nicotiana debneyi chloroplast DNA: sequence of the genes for tRNAHis and the ribosomal proteins S19 and L2. Zurawski G, et al. **Nucleic Acids Res** 1984 Aug 24;12(16):6547–58
Origin of the genetic code and specificity of tRNA aminoacylation. A testable model. Lestienne P. **Orig Life** 1984;14(1–4):629–35
[The human mitochondrial genome and evolution of transfer methionine RNA] Mikel'saar RN. **Mol Biol (Mosk)** 1984 Mar-Apr;18(2):323–31 (Eng. Abstr.) **(Rus)**
[Possible role of tRNA1Lys in recognition of pre-mRNA sequences involved in the control of splicing] Soĭdla TR, et al. **Mol Biol (Mosk)** 1984 Jan-Feb;18(1):277–85 (Eng. Abstr.) **(Rus)**
[Possible role of tRNA1Lys in the splicing of mitochondrial transcripts in yeasts] Soĭdla TR. **Mol Biol (Mosk)** 1983 Nov-Dec;17(6):1154–61 (Eng. Abstr.) **(Rus)**
[Code correspondence of tRNK Leu 1-6 in the mammary gland of cows] Ovcharenko GV, et al. **Ukr Biokhim Zh** 1983 Nov-Dec;55(6):608–13 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Isolation of a novel antibody, which precipitates ribonucleoprotein complex containing threonine tRNA from a patient with polymyositis. Okada N, et al. **Eur J Biochem** 1984 Mar 15;139(3):425–9

ISOLATION & PURIFICATION

Chemical conversion of cytidine residues into 4-thiouridines in yeast tRNAPhe. Determination of the modified cytidines. Riehl N, et al. **Nucleic Acids Res** 1984 Jun 11; 12(11):4445–53
[Isolation and characterization of individual tRNA Leu 1,2,and 4 from the bovine udder] Tukalo MA, et al. **Biokhimiia** 1983 Dec;48(12):1984–7 (Eng. Abstr.) **(Rus)**

METABOLISM

Competence and progression growth factors stimulate different tRNAlys modification reactions in BALB/C 3T3 cells. Lin VK, et al. **Biochem Biophys Res Commun** 1983 Sep 15;115(2):598–605
Modification of specific lysine residues in E. coli methionyl-tRNA synthetase by crosslinking to E. coli formylmethionine tRNA. Valenzuela D, et al. **Biochem Biophys Res Commun** 1984 Mar 15;119(2):677–84
Changes in tRNA levels during the induction of hemoglobin synthesis in Friend leukemia cells. Weil SC, et al. **Biochem Biophys Res Commun** 1984 Apr 30;120(2):707–13
Codon-anticodon interaction at the ribosomal P site improves the accuracy of the decoding process. Bergemann K, et al. **Biochem Int** 1984 Jan;8(1):121–6
Protein synthesis in rat lung. Measurements in vivo based on leucyl-tRNA and rapidly turning-over procollagen I. Kelley J, et al. **Biochem J** 1984 Aug 15;222(1):77–83
Crystals of Bacillus stearothermophilus tryptophanyl-tRNA synthetase containing enzymatically formed acyl transfer product tryptophanyl-ATP, an active site maker for the 3' CCA terminus of tryptophanyl-tRNATrp. Coleman DE, et al. **Biochemistry** 1984 Jan 17;23(2):381–5
Phosphorus-31 nuclear magnetic resonance of ethidium complexes with ribonucleic acid model systems and phenylalanine-accepting transfer ribonucleic acid. Goldfield EM, et al. **Biochemistry** 1983 Jul 5;22(14):3336–44
Integrated function of a kinetic proofreading mechanism: dynamic analysis separating the effects of speed and substrate competition on accuracy. Okamoto M, et al. **Biochemistry** 1984 Apr 10;23(8):1710–5
Integrated function of a kinetic proofreading mechanism: steady-state analysis testing internal consistency of data obtained in vivo and in vitro and predicting parameter values. Okamoto M, et al. **Biochemistry** 1984 Apr 10; 23(8):1701–9
Comparison of ribosomal entry and acceptor transfer ribonucleic acid binding sites on Escherichia coli 70S ribosomes. Fluorescence energy transfer measurements from Phe-tRNAPhe to the 3' end of 16S ribonucleic acid. Robbins D, et al. **Biochemistry** 1983 Nov 22;22(24):5675–9
Quantitative changes in aminoacylation of transfer RNA and in free amino acids during fructose-induced depletion of adenine nucleotides in rat liver. Lindqvist L, et al. **Biochim Biophys Acta** 1983 Sep 22;763(2):107–11
A new theoretical index of biochemical reactivity combining steric and electrostatic factors. An application to yeast tRNAPhe. Lavery R, et al. **Biophys Chem** 1984 Mar; 19(2):171–81
Microsome-mediated stimulation of the aminoacylation of rat liver initiator transfer ribonucleic acid by benzo[alpha]pyrene and 3,3-dimethyl-1-phenyltriazene. Hradec J, et al. **Cancer Lett** 1984 May;23(1):115–20
Is there proofreading during polypeptide synthesis? Ruusala T, et al. **EMBO J** 1982;1(6):741–5
The site of interaction of aminoacyl-tRNA with elongation factor Tu. Wikman FP, et al. **EMBO J** 1982;1(9):1095–100
Modification of amino groups in EF-Tu.GTP and the ternary complex EF-Tu.GTP.valyl-tRNAVal. Antonsson B, et al. **Eur J Biochem** 1984 Jun 15;141(3):483–7
Mutual conformational changes of tryptophanyl-tRNA synthetase and tRNATrp in the course of their specific interaction. Beresten S, et al. **Eur J Biochem** 1983 Nov 15;136(3):559–70
Incorporation of 1,N6-ethenoadenosine into the 3' terminus of tRNA using T4 RNA ligase. 1. Preparation of yeast tRNAPhe derivatives. Paulsen H, et al. **Eur J Biochem** 1984 Jan 2;138(1):117–23
Incorporation of 1,N6-ethenoadenosine into the 3' terminus of tRNA using T4 RNA ligase. 2. Preparation and ribosome interaction of fluorescent Escherichia coli tRNAMetf. Paulsen H, et al. **Eur J Biochem** 1984 Jan 2;138(1):125–30
Involvement of the 3' side of the anticodon loop of yeast tRNATyr in messenger-free binding to ribosomes. An electron-spin resonance study. Weygand-Đurašević I, et al. **Eur J Biochem** 1984 Mar 15;139(3):541–5
The effect of aminoacyl- or peptidyl-tRNA at the A-site on the arrangement of deacylated tRNA at the ribosomal P-site. Babkina GT, et al. **FEBS Lett** 1984 May 21; 170(2):290–4
Interaction of tRNAPhe with donor and acceptor tRNA-binding sites of Escherichia coli ribosomes. Babkina GT, et al. **FEBS Lett** 1983 Mar 21;153(2):303–6
Reconstruction of tRNAPhe molecules from the fragments by linkage with T-4 RNA ligase in double-stranded regions. Boutorin AS, et al. **FEBS Lett** 1984 Jan 2;

165(1):93–6
Testing the classical two–tRNA–site model for the ribosomal elongation cycle. Spirin AS. **FEBS Lett** 1984 Jan 9; 165(2):280–4
Formation of the ternary complex EF–Tu.GTP.Phe–tRNA in the translation system of Streptomyces aureofaciens. Weiser J, et al. **Folia Microbiol (Praha)** 1984;29(3):269–72
Quantities of individual aminoacyl–tRNA families and their turnover in Escherichia coli. Jakubowski H, et al. **J Bacteriol** 1984 Jun;158(3):769–76
High resolution localization of the tRNA anticodon interaction site on the Escherichia coli 30 S ribosomal subunit. Gornicki P, et al. **J Biol Chem** 1984 Aug 25; 259(16):10493–8
Decoding at the ribosomal A site. The effect of a defined codon–anticodon mismatch upon the behavior of bound aminoacyl transfer RNA. Hornig H, et al. **J Biol Chem** 1984 May 10;259(9):5632–6
Relative affinities of all Escherichia coli aminoacyl–tRNAs for elongation factor Tu–GTP. Louie A, et al. **J Biol Chem** 1984 Apr 25;259(8):5010–6
The elongation factor Tu from Escherichia coli, aminoacyl–tRNA, and guanosine tetraphosphate form a ternary complex which is bound by programmed ribosomes. Pingoud A, et al. **J Biol Chem** 1983 Dec 10; 258(23):14200–5
Perturbation of the aminoacyl–tRNA synthetase complex by salts and detergents. Importance of hydrophobic interactions and possible involvement of lipids. Sihag RK, et al. **J Biol Chem** 1983 Oct 10;258(19):11846–50
Covalent crosslinking of Escherichia coli phenylalanyl–tRNA and valyl–tRNA to the ribosomal A site via photoaffinity probes attached to the 4–thiouridine residue. Hsu LM, et al. **J Mol Biol** 1984 Jan 5;172(1):57–76
Crosslinking of phenylalanyl–tRNA to the ribosomal A site via a photoaffinity probe attached to the 4–thiouridine residue is exclusively to ribosomal protein S19. Lin FL, et al. **J Mol Biol** 1984 Jan 5;172(1):77–86
Evidence that multiple species of aminoacylated transfer RNA are present in regenerating optic axons of goldfish. Zanakis MF, et al. **Neurochem Res** 1984 Feb;9(2):249–62
Enzymatic conversion of adenosine to inosine in the wobble position of yeast tRNAAsp: the dependence on the * anticodon sequence. Haumont E, et al. **Nucleic Acids Res** 1984 Mar 26;12(6):2705–15
Binding of tRNA alters the chemical accessibility of nucleotides within the large ribosomal RNAs of E. coli ribosomes. Meier N, et al. **Nucleic Acids Res** 1984 Feb 10; 12(3):1473–87
Catalytic activity of an RNA molecule prepared by transcription in vitro. Guerrier–Takada C, et al. **Science** 1984 Jan 20;223(4633):285–6

RADIATION EFFECTS

Electron microscopy of tRNA crystals. II. 4 A resolution diffraction pattern and substantial stability to radiation damage. Fujiyoshi Y, et al. **J Mol Biol** 1984 Jan 25; 172(3):347–54

AMINO ACYL T RNA SYNTHETASES

Primary structure of aspartyl–tRNA synthetase from baker's yeast: tryptic and CNBr peptides. Hounwanou N, et al. **Biochimie** 1983 Jul;65(7):379–88
Tertiary structure of animal tRNATrp in solution and interaction of tRNATrp with tryptophanyl–tRNA synthetase. Garret M, et al. **Eur J Biochem** 1984 Jan 2; 138(1):67–75
Structural homology in the amino–terminal domains of two aminoacyl–tRNA synthetases. Blow DM, et al. **J Mol Biol** 1983 Dec 25;171(4):571–6
The structure and regulation of Escherichia coli glutaminyl–tRNA synthetase. Cheung A, et al. **Nucleic Acids Symp Ser** 1983;(12):221–2
The influence of salt concentration on CD spectra of tRNA and aminoacyl–tRNA synthetase. Mizutani T, et al. **Nucleic Acids Symp Ser** 1983;(12):155–7

ANALYSIS

A continuous spectrophotometric assay for Escherichia coli alanyl–transfer RNA synthetase. Roy S. **Anal Biochem** 1983 Sep;133(2):292–5
Electron microscopy study of the aminoacyl–tRNA synthetase multienzymatic complex purified from rabbit reticulocytes. Gulik A, et al. **Mol Biol Rep** 1984 Jul; 10(1):23–30

ANTAGONISTS & INHIBITORS

Inhibition of aminoacyl–tRNA synthetases by p–chloroamphetamine and its role in protein synthesis inhibition. Nowak TS Jr, et al. **Arch Biochem Biophys** 1983 Sep;225(2):722–30
Comparative study of the effect of ochratoxin A analogues on yeast aminoacyl–tRNA synthetases and on the growth and protein synthesis of hepatoma cells. Creppy EE, et al. **Toxicol Lett** 1983 Dec;19(3):217–24

BIOSYNTHESIS

Chinese hamster ovary cells resistant to borrelidin overproduce threonyl–tRNA synthetase. Gerken SC, et al. **J Biol Chem** 1984 Jul 25;259(14):9202–6
Autogenous repression of Escherichia coli threonyl–tRNA synthetase expression in vitro. Lestienne P, et al. **J Biol Chem** 1984 Apr 25;259(8):5232–7
Synthesis of the isoleucyl– and valyl–tRNA synthetases and the isoleucine–valine biosynthetic enzymes in a threonine deaminase regulatory mutant of Escherichia coli K–12. Singer PA, et al. **J Mol Biol** 1984 May 5;175(1):39–55

GENETICS

A Chinese hamster ovary leucyl–tRNA synthetase mutant with a uniquely altered high molecular weight leucyl–tRNA synthetase complex. Mansukhani A, et al. **Biochem Genet** 1984 Apr;22(3–4):349–55
Genetic dissection of tyrosyl–tRNA synthetase. Winter G, et al. **Biochem Soc Trans** 1984 Apr;12(2):224–5
Site–directed mutagenesis as a probe of enzyme structure and catalysis: tyrosyl–tRNA synthetase cysteine–35 to glycine–35 mutation. Wilkinson AJ, et al. **Biochemistry** 1983 Jul 19;22(15):3581–6
Regulation of E.coli phenylalanyl–tRNA synthetase operon in vivo. Trudel M, et al. **Biochim Biophys Acta** 1984 May 15;782(1):10–7
Dispensable pieces of an aminoacyl tRNA synthetase which activate the catalytic site. Jasin M, et al. **Cell** 1984 Apr; 36(4):1089–95
Deletion mutagenesis using an 'M13 splint': the N–terminal structural domain of tyrosyl–tRNA synthetase (B. stearothermophilus) catalyses the formation of tyrosyl adenylate. Waye MM, et al. **EMBO J** 1983;2(10):1827–9
The gene coding for lipoprotein signal peptidase (lspA) and that for isoleucyl–tRNA synthetase (ileS) constitute a cotranscriptional unit in Escherichia coli. Yamada H, et al. **FEBS Lett** 1984 Jun 11;171(2):245–8
Genetic studies of leucine transport in mammalian cells. Shotwell MA, et al. **Fed Proc** 1984 May 15;43(8):2269–72
Escherichia coli K–12 lysyl–tRNA synthetase mutant with a novel reversion pattern. Hirshfield IN, et al. **J Bacteriol** 1984 May;158(2):615–20
Identification of a glutaminyl–tRNA synthetase mutation Saccharomyces cerevisiae. Mitchell AP, et al. **J Bacteriol** 1984 May;158(2):530–4
In vivo and in vitro transcription of the Escherichia coli glutaminyl–tRNA synthetase gene. Cheung AY, et al. **J Biol Chem** 1984 Aug 10;259(15):9953–8
Escherichia coli phenylalanyl–tRNA synthetase operon region. Evidence for an attenuation mechanism. Identification of the gene for the ribosomal protein L20. Fayat G, et al. **J Mol Biol** 1983 Dec 15;171(3):239–61
Escherichia coli phenylalanyl–tRNA synthetase operon is controlled by attenuation in vivo. Springer M, et al. **J Mol Biol** 1983 Dec 15;171(3):263–79
Transcription of a gene cluster coding for two aminoacyl–tRNA synthetases and an initiation factor in Escherichia coli. Wu TH, et al. **J Mol Biol** 1984 Feb 25; 173(2):177–209
Modular arrangement of functional domains along the sequence of an aminoacyl tRNA synthetase. Jasin M, et al. **Nature** 1983 Dec 1–7;306(5942):441–7
A large increase in enzyme–substrate affinity by protein engineering. Wilkinson AJ, et al. **Nature** 1984 Jan 12–18; 307(5947):187–8
Strategy for the mass spectrometric verification and correction of the primary structures of proteins deduced from their DNA sequences. Gibson BW, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(7):1956–60
Transfer RNA mischarging mediated by a mutant Escherichia coli glutaminyl–tRNA synthetase. Inokuchi H, et al. **Proc Natl Acad Sci USA** 1984 Aug;81(16):5076–80
Structural and transcriptional evidence for related thrS and infC expression. Mayaux JF, et al. **Proc Natl Acad Sci USA** 1983 Oct;80(20):6152–6
Isolation and characterization of a Chinese hamster lung cell tryptophanyl–tRNA synthetase mutant. Chang SM, et al. **Somatic Cell Mol Genet** 1984 Mar;10(2):161–70
Assignment of the human MARS gene, encoding methioninyl–tRNA synthetase, to chromosome 12 using human X Chinese hamster cell hybrids. Cirullo RE, et al. **Somatic Cell Mol Genet** 1984 May;10(3):225–34

IMMUNOLOGY

Anti–threonyl–tRNA synthetase, a second myositis–related autoantibody. Mathews MB, et al. **J Exp Med** 1984 Aug 1;160(2):420–34

ISOLATION & PURIFICATION

Large scale purification and structural properties of yeast aspartyl–tRNA synthetase. Lorber B, et al. **Biochem Biophys Res Commun** 1983 Nov 30;117(1):259–67
Rat liver histidyl–tRNA synthetase. Purification and inhibition by the myositis–specific anti–Jo–1 autoantibody. Yang DC, et al. **Biochem Biophys Res Commun** 1984 Apr 16;120(1):15–21
Purification and reversible subunit dissociation of overproduced Escherichia coli phenylalanyl–tRNA synthetase. Ducruix A, et al. **Biochim Biophys Acta** 1983 Nov 17;741(2):244–50
A highly thermostable proline:tRNA ligase from Thermus aquaticus. Purification and enzyme–tRNA recognition at elevated temperatures. Rivera JA, et al. **Can J Biochem Cell Biol** 1984 Jun;62(6):507–15
Seven mammalian aminoacyl–tRNA synthetases co–purified as high molecular weight entities are associated within the same complex. Mirande M, et al. **EMBO J** 1982;1(6):733–6
Purification and properties of bovine liver seryl–tRNA synthetase. Mizutani T, et al. **Eur J Biochem** 1984 Aug 15;143(1):9–13
Glutamyl–tRNA synthetases from wheat. Isolation and characterization of three dimeric enzymes. Ratinaud MH, et al. **Eur J Biochem** 1983 Oct 3;135(3):471–7
Dimeric glutamyl–tRNA synthetases from wheat. Kinetic properties and functional structures. Thomes JC, et al. **Eur J Biochem** 1983 Oct 3;135(3):479–84
Purification and properties of phenylalanyl–tRNA synthetase from a higher plant (Phaseolus vulgaris). Rauhut R, et al. **Hoppe Seylers Z Physiol Chem** 1984 Mar;365(3):289–96
Glycyl– and alanyl–tRNA synthetases from Bombyx mori. Purification and properties. Dignam SS, et al. **J Biol Chem** 1984 Apr 10;259(7):4043–8
Phenylalanyl–tRNA synthetase from the archaebacterium Methanosarcina barkeri. Rauhut R, et al. **J Biol Chem** 1984 May 25;259(10):6340–5
Aminoacyl–tRNA synthetases from an extreme thermophile, Thermus thermophilus HB8. Kohda D, et al. **Nucleic Acids Symp Ser** 1983;(12):153–4
[Purification and properties of phenylalanyl–tRNA–synthetase from Escherichia coli MRE–600] Ankilova VN, et al. **Prikl Biokhim Mikrobiol** 1984 Mar–Apr;20(2):208–16 (Eng. Abstr.) **(Rus)**

METABOLISM

Hydrodynamic properties and structure of the rat liver 12 S arginyl– and lysyl–tRNA synthetase complex. Dang CV, et al. **Biochem Biophys Res Commun** 1983 Dec 16; 117(2):464–9
Modification of specific lysine residues in E. coli methionyl–tRNA synthetase by crosslinking to E. coli formylmethionine tRNA. Valenzuela D, et al. **Biochem Biophys Res Commun** 1984 Mar 15;119(2):677–84
Crystals of Bacillus stearothermophilus tryptophanyl–tRNA synthetase containing enzymatically formed acyl transfer product tryptophanyl–ATP, an active site maker for the 3' CCA terminus of tryptophanyl–tRNATrp. Coleman DE, et al. **Biochemistry** 1984 Jan 17;23(2):381–5
Direct mass spectroscopic method for determination of oxygen isotope position in adenosine 5'–O–(1–thiotriphosphate). Determination of the stereochemical course of the yeast phenylalanyl–tRNA synthetase reaction. Connolly BA, et al. **Biochemistry** 1984 Apr 24;23(9):2026–31
Evolutionary aspects of accuracy of phenylalanyl–tRNA synthetase. Accuracy of fungal and animal mitochondrial enzymes and their relationship to their cytoplasmic counterparts and a prokaryotic enzyme. Gabius HJ, et al. **Biochemistry** 1983 Nov 8;22(23):5306–15
Phenylalanyl–tRNA synthetase of Escherichia coli K10. Effects of zinc(II) on partial reactions of diadenosine 5',5"–P1,P4–tetraphosphate synthesis, conformation, and protein aggregation. Goerlich O, et al. **Biochemistry** 1984 Jan 17;23(2):182–90
Characterization of a homogeneous complex of arginyl– and lysyl–tRNA synthetase: zinc and adenosine 5'–phosphate dependent synthesis of diadenosine 5',5'"–P1,P4–tetraphosphate. Hilderman RH. **Biochemistry** 1983 Sep 13;22(19):4353–7
Substrate depletion analysis as an approach to the pre–steady–state anticooperative kinetics of aminoacyl adenylate formation by tryptophanyl–tRNA synthetase from beef pancreas. Merle M, et al. **Biochemistry** 1984 Apr 10;23(8):1716–23
Integrated function of a kinetic proofreading mechanism: dynamic analysis separating the effects of speed and substrate competition on accuracy. Okamoto M, et al. **Biochemistry** 1984 Apr 10;23(8):1710–5
Integrated function of a kinetic proofreading mechanism: steady–state analysis testing internal consistency of data obtained in vivo and in vitro and predicting parameter values. Okamoto M, et al. **Biochemistry** 1984 Apr 10; 23(8):1701–9
The effect of non–permissive temperature on met–tRNA synthetase in Saccharomyces cerevisiae temperature–sensitive mutant ts 7–45. Sadnik I, et al. **Biochim Biophys Acta** 1984 Jun 16;782(2):220–7
Mitochondrial phenylalanyl t–RNA synthetase from yeast: formation of enzyme–substrate complexes shown by heat or SH reagent inactivation. Diatewa M, et al. **Biochimie** 1983 Jun;65(6):355–60
Effects of ochratoxin A metabolites on yeast phenylalanyl–tRNA synthetase and on the growth and in vivo protein synthesis of hepatoma cells. Creppy EE, et al. **Chem Biol Interact** 1983 Nov;47(2):239–47
Mutual conformational changes of tryptophanyl–tRNA synthetase and tRNATrp in the course of their specific interaction. Beresten S, et al. **Eur J Biochem** 1983 Nov 15;136(3):559–70
An investigation of the mechanism of activation of tryptophan by tryptophanyl–tRNA synthetase from beef pancreas. Lowe G, et al. **Eur J Biochem** 1984 Feb 1; 138(3):597–602
Catalytical mechanism of the phenylalanyl–tRNA synthetase from yeast. Reactivity of ATP in the absence of phenylalanine. Thiebe R. **Eur J Biochem** 1984 Apr 2; 140(1):143–6

Glycosylation of yeast aspartyl-tRNA synthetase. Affinity labelling by glucose and glucose 6-phosphate. Colas B, et al. **FEBS Lett** 1983 Nov 14;163(2):175-80

Thermostable valyl-tRNA, isoleucyl-tRNA and methionyl-tRNA synthetases from an extreme thermophile Thermus thermophilus HB8: protein structure and Zn2+ binding. Kohda D, et al. **FEBS Lett** 1984 Aug 20; 174(1):20-3

A quenched-flow apparatus which allows the measurement of the kinetics of a reaction in one stroke. Gangloff J, et al. **J Biochem Biophys Methods** 1984 Jul;9(3):201-13

Phaseolus vulgaris cytoplasmic leucyl-tRNA synthetase. Purification and comparison of its catalytic, structural, and immunological properties with those of the chloroplastic enzyme. Dietrich A, et al. **J Biol Chem** 1983 Oct 25; 258(20):12386-93

Loss of positional specificity in the aminoacylation of Escherichia coli tRNAGly. Ehrenfeld GM, et al. **J Biol Chem** 1983 Oct 10;258(19):11745-50

Threonyl-tRNA synthetase from Chinese hamster ovary cells is phosphorylated on serine. Gerken SC, et al. **J Biol Chem** 1984 Sep 25;259(18):11160-1

Characterization of a homogeneous arginyl- and lysyl-tRNA synthetase complex isolated from rat liver. Kinetic mechanism for lysyl-tRNA synthetase. Hilderman RH, et al. **J Biol Chem** 1983 Nov 25;258(22):13592-6

Perturbation of the aminoacyl-tRNA synthetase complex by salts and detergents. Importance of hydrophobic interactions and possible involvement of lipids. Sihag RK, et al. **J Biol Chem** 1983 Oct 10;258(19):11846-50

The eucaryotic aminoacyl-tRNA synthetase complex: suggestions for its structure and function. Deutscher MP. **J Cell Biol** 1984 Aug;99(2):373-7

Interaction of crystalline tyrosyl-tRNA synthetase with adenosine, adenosine monophosphate, adenosine triphosphate and pyrophosphate in the presence of tyrosinol. Monteilhet C, et al. **J Mol Biol** 1984 Mar 15; 173(4):477-85

Valyl-tRNA synthetase modification-dependent restriction of bacteriophage T4. Olson NJ, et al. **J Virol** 1984 Jul; 51(1):42-6

Two active forms of valyl-tRNA synthetase from Bacillus subtilis: alteration related to the early stages of sporulation. Ohyama K, et al. **Microbiol Immunol** 1983;27(7):565-74

Heavy and light forms of some aminoacyl-tRNA synthetases in fraction X, microsomes and cytosol of rabbit liver. Berbeć H, et al. **Mol Cell Biochem** 1984 Jun;62(2):149-55

The beta subunit of E. coli glycyl-tRNA synthetase plays a major role in tRNA recognition. Nagel GM, et al. **Nucleic Acids Res** 1984 May 25;12(10):4377-84

Enzymatic replacement of nucleotide sequences in the D-loop of T. utilis tRNATyr and its effect on aminoacylation. Ohyama T, et al. **Nucleic Acids Symp Ser** 1983;(12):137-40

Anticodon loop size and sequence requirements for recognition of formylmethionine tRNA by methionyl-tRNA synthetase. Schulman LH, et al. **Proc Natl Acad Sci USA** 1983 Nov;80(22):6755-9

Aminoacyl-tRNA synthetases in liver, spleen and small intestine of aged leukemic and aged normal mice. Gabius HJ, et al. **Z Naturforsch [C]** 1983 Sep-Oct;38(9-10):881-2

[Superspecificity of aminoacyl-tRNA-synthases] Favorova OO. **Mol Biol (Mosk)** 1984 Jan-Feb;18(1):205-26 (88 ref.) (Eng. Abstr.) **(Rus)**

[Modification of phenylalanyl-tRNA-synthetase from Escherichia coli MRE600 by adenosine-5'-trimetaphosphate] Khodyreva SN, et al. **Mol Biol (Mosk)** 1983 Nov-Dec;17(6):1196-203 (Eng. Abstr.) **(Rus)**

[Role of the anticodon in recognition of tRNA by aminoacyl-tRNA-synthetases] Kiselev LL. **Mol Biol (Mosk)** 1983 Sep-Oct;17(5):928-48 (122 ref.) (Eng. Abstr.) **(Rus)**

[Biological activity of tRNA, aminoacyl-tRNA-synthetases and composition of their high molecular weight complexes in regenerating rat liver] Iaremchuk AD, et al. **Ukr Biokhim Zh** 1983 Jul-Aug;55(4):363-7 (Eng. Abstr.) **(Rus)**

[Amino acyl tRNA synthetase complexes in rabbit liver in experimental myocardial infarction] Ivanov LL, et al. **Ukr Biokhim Zh** 1983 Jul-Aug;55(4):368-71 (Eng. Abstr.) **(Rus)**

[tRNA and aminoacyl-tRNA synthetases from the liver of rabbits in experimental myocardial infarction] Lukoshiavichius LIu, et al. **Vopr Med Khim** 1983 Jul-Aug; 29(4):65-9 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Phosphorolytic activity of Escherichia coli glycyl-tRNA synthetase towards its cognate aminoacyl adenylate detected by 31P-NMR spectroscopy and thin-layer chromatography. Led JJ, et al. **Eur J Biochem** 1983 Nov 15;136(3):469-79

RADIATION EFFECTS

Difference in radiosensitivity of valyl-tRNA synthetases isolated from chick embryo liver and brain. Bölöni E, et al. **Int J Radiat Biol** 1984 Apr;45(4):359-69

AMINO ALCOHOLS

ADVERSE EFFECTS

Dose-dependent bronchospasm from sulfites in isoetharine. Koepke JW, et al. **JAMA** 1984 Jun 8;251(22):2982-3

ANALYSIS

[Analysis of heptaminol in pharmaceutic preparations by liquid chromatography following derivatization with 4-N,N-dimethylaminoazobenzene-4-isothiocyanate] Bauer M, et al. **J Chromatogr** 1984 Jun 1;292(2):468-72 **(Fre)**

BLOOD

Liquid chromatographic assay of heptaminol in serum and its oral pharmacokinetics in the dog. Cociglio M, et al. **J Chromatogr** 1984 May 11;307(2):351-9

PHARMACODYNAMICS

Phospholipid metabolism as a new target for malaria chemotherapy. Mechanism of action of D-2-amino-1-butanol. Vial HJ, et al. **Biochem Pharmacol** 1984 Sep 1;33(17):2761-70

Bronchodilator characteristics of nebulized metaproterenol sulfate, isoetharine, and atropine in chronic asthma. Peerless AG, et al. **J Allergy Clin Immunol** 1983 Dec;72(6):702-8

The effect of Octapinol on dento-gingival plaque and development of gingivitis. II. Long-term studies in beagle dogs. Matsson L, et al. **J Periodont Res** 1983 Jul; 18(4):438-44

THERAPEUTIC USE

Bronchiolitis: a pilot study of osteopathic manipulative treatment, bronchodilators, and other therapy. Belcastro MR, et al. **J Am Osteopath Assoc** 1984 May;83(9):672-6

[Controlling the cough reflex with Silomat] Nosál'ová G, et al. **Bratisl Lek Listy** 1984 Jun;81(6):669-76 (Eng. Abstr.) **(Slo)**

AMINO SUGARS

The identification of terminal alpha (1——3)-linked galactose in N-acetyllactosamine type of glycopeptides by means of 500-MHz 1H-NMR spectroscopy. Dorland L, et al. **Biochem Biophys Res Commun** 1984 Jul 31;122(2):859-66

ANALYSIS

Presence of two neutral disaccharides containing N-acetylhexosamine in bovine colostrum as free forms. Saito T, et al. **Biochim Biophys Acta** 1984 Sep 7; 801(1):147-50

Structure of branched lactosaminoglycan, the carbohydrate moiety of band 3 isolated from adult human erythrocytes. Fukuda M, et al. **J Biol Chem** 1984 Jul 10;259(13):8260-73

N-acylkansosamine. A novel N-acylamino sugar from the trehalose-containing lipooligosaccharide antigens of Mycobacterium kansasii. Hunter SW, et al. **J Biol Chem** 1984 Aug 10;259(15):9729-34

[Determination of cell wall amino sugars in Streptococcus on a carbohydrate analyzer] Bitko SA, et al. **Priki Biokhim Mikrobiol** 1984 Mar-Apr;20(2):285-9 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Synthesis of lactosaminoglycan-containing glycoproteins by vascular endothelial cells. Heifetz A, et al. **Biochim Biophys Acta** 1984 Mar 22;798(1):1-7

Lactosaminoglycans synthesized by mouse male germ cells are fucosylated by an epididymal fucosyltransferase. Cossu G, et al. **Dev Biol** 1984 Apr;102(2):402-8

Glycosyltransferases involved in elongation of N-glycosidically linked oligosaccharides of the complex or N-acetyllactosamine type. Schachter H, et al. **Methods Enzymol** 1983;98:98-134

BLOOD

Structure of fetal lactosaminoglycan. The carbohydrate moiety of Band 3 isolated from human umbilical cord erythrocytes. Fukuda M, et al. **J Biol Chem** 1984 Apr 25; 259(8):4782-91

Structure of sialylated fucosyl lactosaminoglycan isolated from human granulocytes. Fukuda M, et al. **J Biol Chem** 1984 Sep 10;259(17):10925-35

Isolation and characterization of polyfucosylated lactosaminoglycan from human granulocytes. Spooncer E, et al. **J Biol Chem** 1984 Apr 25;259(8):4792-801

CHEMICAL SYNTHESIS

Synthesis of N-acetyllactosamine containing a D-[6-3H]galactopyranosyl group. Plessas NR, et al. **Carbohydr Res** 1984 Jul 1;129:143-7

IMMUNOLOGY

Carbohydrate antigen profiles of human erythroleukemia cell lines HEL and K562. Kannagi R, et al. **Blood** 1983 Dec; 62(6):1230-41

ISOLATION & PURIFICATION

Primary structure of the major glycans of the N-acetyllactosamine type derived from the human immunoglobulins M from two patients with Waldenström's macroglobulinemia. Cahour A, et al. **FEBS Lett** 1984 May 21;170(2):343-9

METABOLISM

Embryonal carcinoma cell adhesion: the role of surface galactosyltransferase and its 90K lactosaminoglycan substrate. Shur BD. **Dev Biol** 1983 Oct;99(2):360-72

AMINOACETIC ACID see **GLYCINE**

AMINOACETONITRILE see under **ACETONITRILES**

AMINOACIDURIA, RENAL

Aminoaciduria with serum and urinary copper in renal diseases. Bimanpalli MV, et al. **Indian J Pathol Microbiol** 1983 Oct;26(4):249-57

COMPLICATIONS

An unusual case of Morquio's syndrome with aminoaciduria [letter] Mehta NC, et al. **J Assoc Physicians India** 1983 Jun;31(6):389

[Prevention of cysteine calculosis by the continuous administration of alpha-mercaptopropionylglycine] Berio A. **Minerva Pediatr** 1983 Dec 31;35(23-24):1197-1206 (Eng. Abstr.) **(Ita)**

URINE

[Electrophoretic and electrophoretic-chromatographic picture in diseases of defective renal transport of amino acids with particular reference to personal cases] Berio A. **Minerva Pediatr** 1983 Dec 31;35(23-24):1181-7 (Eng. Abstr.) **(Ita)**

AMINOACRIDINES

Drugs recently released in Belgium. Harvengt C. **Acta Clin Belg** 1983;38(5):344-5

Quenching of DNA-ethidium fluorescence by amsacrine and other antitumor agents: a possible electron-transfer effect. Baguley BC, et al. **Biochemistry** 1984 Feb 28;23(5):937-43

Effect of intercalating and groove-binding ligands on formation of covalent complexes between nitracrine (Ledakrin, C-283) or 8-methoxypsoralen and DNA. Wilmańska D, et al. **Biochim Biophys Acta** 1984 Jul 18; 782(3):285-94

Nitroakridin 3582: a fluorescent nitroacridine stain for identifying hypoxic cells. Begg AC, et al. **Br J Radiol** 1983 Dec;56(672):970-3

Potential antitumor agents. 39. Anilino ring geometry of amsacrine and derivatives: relationship to DNA binding and antitumor activity. Denny WA, et al. **J Med Chem** 1983 Nov;26(11):1625-30

ADMINISTRATION & DOSAGE

High-dose amsacrine (AMSA) therapy of relapsed and refractory adult acute nonlymphocytic leukemia. A phase II study. Cassileth PA, et al. **Am J Clin Oncol** 1984 Aug; 7(4):361-3

Amsacrine administration: a precautionary note [letter] Engelking C, et al. **Cancer Chemother Pharmacol** 1984; 13(2):150

Phase II study of amsacrine in metastatic renal cell carcinoma: a Cancer and Leukemia Group B study. Amrein PC, et al. **Cancer Treat Rep** 1983 Nov;67(11):1043-4

Current status of amsacrine (AMSA) combination chemotherapy programs in acute leukemia. Arlin ZA. **Cancer Treat Rep** 1983 Nov;67(11):967-70 (21 ref.)

[Phase II study of AMSA in adults with acute therapy-refractory leukemias] Fiebig HH, et al. **Onkologie** 1983 Aug;6(4):188-90 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

AMSA-induced seizures in patients with hypokalemia. Mittelman A, et al. **Cancer Treat Rep** 1983 Jan;67(1):102-3

QT interval prolongation and cardiac dysrhythmia in a patient receiving amsacrine. Schwartz CL, et al. **Cancer Treat Rep** 1984 Jul-Aug;68(7-8):1043-4

Amsacrine cardiotoxicity: assessment of ventricular function by radionuclide angiography. Vorobiof DA, et al. **Cancer Treat Rep** 1983 Dec;67(12):1115-7

ANALYSIS

Characterization of five commercially available samples of acridine yellow. Houba-Herin N, et al. **Stain Technol** 1983 May;58(3):161-70

BLOOD

High-performance liquid-chromatographic method for the determination of 4'-(9-acridinylamino)methanesulfon-m-anisidide in plasma. Jurlina JL, et al. **J Chromatogr** 1983 Sep 9; 276(2):367-74

CHEMICAL SYNTHESIS

Synthesis, antitumor activity, and DNA binding properties of a new derivative of amsacrine, N-5-dimethyl-9-[(2-methoxy-4-methylsulfonylamino) phenylamino]-4-acridinecarboxamide. Baguley BC, et al. **Cancer Res** 1984 Aug;44(8):3245-51

Synthesis and biodistribution of 99mTc chelates of acridinyl iminodiacetic acids. Hunt FC, et al. **Int J Nucl Med Biol** 1984;11(1):64-6

Potential antitumor agents. 38. 3-substituted 5-carboxamido derivatives of amsacrine. Denny WA, et al. **J Med Chem** 1983 Nov;26(11):1619-25

9-acridinyl and 2-methoxy-6-chloro-9-acridinyl derivatives of aliphatic di-, tri-, and tetraamines. Chemistry, cytostatic activity, and schistosomicidal activity. Hansen JB, et al. **J Med Chem** 1983 Oct;26(10):1510-4

Potential antitumor agents. 42. Structure-activity relationships for acridine-substituted dimethyl phosphoramidate derivatives of 9-anilinoacridine. Rewcastle GW, et al. **J Med Chem** 1984 Aug;27(8):1053-6

DIAGNOSTIC USE

An evaluation of Feulgen-acriflavine-SO2 and Hoechst 33258 for DNA cytofluorometry in tumour pathology. Bjelkenkrantz K. **Histochemistry** 1983;79(2):177-91

Nitroaryl compounds as potential fluorescent probes for hypoxia. II. Identification and properties of reductive metabolites. Stratford MR, et al. **Int J Radiat Oncol Biol Phys** 1984 Aug;10(8):1353-6

Nitroaryl compounds as potential fluorescent probes for hypoxia. I. Chemical criteria and constraints. Wardman P, et al. **Int J Radiat Oncol Biol Phys** 1984 Aug;10(8):1347-51

METABOLISM

m-AMSA as a probe for transport phenomena associated with anthracycline resistance. Kessel D, et al. **Biochem Pharmacol** 1984 Apr 1;33(7):991-3

Effects of ruthenium red on accumulation and cytotoxicity of m-AMSA, vinblastine and daunorubicin in leukemia cells. Wilberding C, et al. **Biochem Pharmacol** 1984 Aug 15;33(16):2559-62

Human blood platelet secretion: optical multichannel analyzer measurements using acriflavine as a release indicator. Wüthrich C, et al. **Biochemistry** 1984 Mar 13; 23(6):1224-9

Fluorescence decay studies of the DNA-3,6-diaminoacridine complexes. Kubota Y, et al. **Biophys Chem** 1984 Jan; 19(1):25-37

Human tissue distribution of 4'-(9-acridinylamino)-methanesulfon-m-anisidide (NSC 141549, AMSA). Stewart DJ, et al. **Cancer Chemother Pharmacol** 1984;12(2):116-9

Tumor penetration of AMSA in man. Guo ZG, et al. **Cancer Invest** 1983;1(6):475-8

Metabolism of 4'-(9-acridinylamino)methanesulfon-m-anisidide by rat liver microsomes. Shoemaker DD, et al. **Cancer Res** 1984 May;44(5):1939-45

Oligodeoxynucleotides covalently linked to intercalating dyes as base sequence-specific ligands. Influence of dye attachment site. Asseline U, et al. **EMBO J** 1984 Apr; 3(4):795-800

DNA polyintercalation: comparison of DNA binding properties of an acridine dimer and trimer. Gaugain B, et al. **FEBS Lett** 1984 Apr 24;169(2):123-6

Interaction of 9-aminoacridine, ethidium bromide and harman with DNA characterized by size exclusion high-performance liquid chromatography. McPherson DD, et al. **J Chromatogr** 1983 Dec 23;281:348-54

[Hydrophobic acridine dyes for fluorescence staining of mitochondria in living cells. 2. Comparison of staining of living and fixed Hela-cells with NAO and DPPAO] Erbrich U, et al. **Histochemistry** 1984;80(4):385-8 (Eng. Abstr.) (Ger)

PHARMACODYNAMICS

Sodium transport across isolated epithelial structures in vitro--Ledakrin in the liposomes as a moderator of the bioelectric activity of frog skin. Rakowski W, et al. **Acta Physiol Pol** 1983 Jan-Feb;34(1):127-37

Protective effect of 9-amino-7-methoxy-1,2,3,4-tetra-hydroacridine against inhibition of acetylcholinesterase by O-ethyl s-(2-dimethylaminoethyl) methylphosphonotioate in vivo. Bajgar J, et al. **Arch Toxicol** 1983 Oct;54(2):163-6

An extremely potent anilinoacridine inhibitor of aldehyde oxidase. Gormley PE, et al. **Biochem Biophys Res Commun** 1983 Oct 31;116(2):759-64

Comparative cardiac oxygen radical metabolism by anthracycline antibiotics, mitoxantrone, bisantrene, 4'-(9-acridinylamino)-methanesulfon-m-anisidide, and neocarzinostatin. Doroshow JH, et al. **Biochem Pharmacol** 1983 Oct 1;32(19):2935-9

Changes in deoxyribonucleic acid linking number due to treatment of mammalian cells with the intercalating agent 4'-(9-acridinylamino)methanesulfon-m-anisidide. Pommier Y, et al. **Biochemistry** 1984 Jun 19;23(13):2927-32

Absence of swiveling at sites of intercalator-induced protein-associated deoxyribonucleic acid strand breaks in mammalian cell nucleoids. Pommier Y, et al. **Biochemistry** 1984 Jun 19;23(13):2922-7

Deoxyribonucleic acid breaks produced by 4'-(9-acridinylamino)methanesulfon-m-anisidide and copper. Wong A, et al. **Biochemistry** 1984 Jun 19; 23(13):2939-45

Mechanism of deoxyribonucleic acid breakage induced by 4'-(9-acridinylamino)methanesulfon-m-anisidide and copper: role for cuprous ion and oxygen free radicals. Wong A, et al. **Biochemistry** 1984 Jun 19;23(13):2946-52

Reconstitution of intercalator-induced DNA scission by an active component from nuclear extracts. Filipski J, et al. **Biochim Biophys Acta** 1983 Oct 13;741(1):116-22

Selective toxicity of nitracrine to hypoxic mammalian cells. Wilson WR, et al. **Br J Cancer** 1984 Feb;49(2):215-23

Relationship between the induction of chromosome damage and cytotoxicity for amsacrine and congeners. Ferguson LR, et al. **Cancer Treat Rep** 1984 Apr;68(4):625-30

Cytogenetic effects of amsacrine on human lymphocytes in vivo and in vitro. Kao-Shan CS, et al. **Cancer Treat Rep** 1984 Jul-Aug;68(7-8):989-97

Differential growth inhibition of cultured mammalian cells: comparison of clinical antitumour agents and amsacrine derivatives. Wilson WR, et al. **Eur J Cancer Clin Oncol** 1984 Mar;20(3):383-9

A comparative study of centbucridine and lidocaine in dental extraction. Vacharajani GN, et al. **Int J Clin Pharmacol Res** 1983;3(4):251-5

Frameshift mutagenesis of lambda prophage by 9-aminoacridine, proflavin and ICR-191. Skopek TR, et al. **MGG** 1984;195(3):418-23

Failure of the intercalating agent 4'-(9-acridylamino)-methanesulphon-m -anisidide to induce DNA-repair replication in cultured human cells. Wilkins RJ. **Mutat Res** 1983 Nov;122(2):211-6

Acriflavine-induced surface changes in three tumor cell types and differential sensitivity to lectins. Chakraborty N, et al. **Tumori** 1984 Apr 30;70(2):127-30

THERAPEUTIC USE

The treatment of melanoma with m-AMSA. A Cancer and Leukemia Group B phase II study. Amrein PC, et al. **Am J Clin Oncol** 1984 Jun;7(3):269-71

m-AMSA: phase II trial in advanced lymphoma and leukemia. Case DC Jr. **Am J Clin Oncol** 1984 Aug; 7(4):357-60

The use of tacrine for tardive dyskinesia. Ingram NA, et al. **Am J Psychiatry** 1983 Dec;140(12):1629-31

Evaluation of AMSA in children with acute leukemia. A Pediatric Oncology Group study. Krischer J, et al. **Cancer** 1984 Jul 15;54(2):207-10

A phase II study of m-AMSA in patients with malignant mesothelioma. Falkson G, et al. **Cancer Chemother Pharmacol** 1983;11(2):94-7

Phase II trial of amsacrine in patients with hepatoma: a Cancer and Leukemia Group B study. Amrein PC, et al. **Cancer Treat Rep** 1984 Jun;68(6):923-4

Phase II trial of amsacrine in children with advanced metastatic neuroblastoma. De Bernardi B, et al. **Cancer Treat Rep** 1984 Jul-Aug;68(7-8):1051-2

Amsacrine (m-AMSA) in squamous cell carcinoma of the uterine cervix: a Southwest Oncology Group study. Hilgers RD, et al. **Cancer Treat Rep** 1984 Feb;68(2):443-4

Phase II evaluation of amsacrine in colorectal, gastric, and pancreatic carcinomas: a Southeastern Cancer Study Group trial. Omura GA, et al. **Cancer Treat Rep** 1984 Jun; 68(6):929-30

Phase II study of amsacrine gluconate in refractory leukemia. Omura GA, et al. **Cancer Treat Rep** 1983 Dec;67(12):1131-2

Amsacrine in refractory adult acute leukemia: a pilot study of the Southeastern Cancer Study Group. Winton EF, et al. **Cancer Treat Rep** 1983 Nov;67(11):977-80

Phase II trial of amsacrine in metastatic or locally recurrent squamous cell carcinoma from head and neck primaries: a Southwest Oncology Group study. Witherspoon RP, et al. **Cancer Treat Rep** 1984 Feb;68(2):435-6

Divergent activity of derivatives of amsacrine (m-AMSA) towards Lewis lung carcinoma and P388 leukaemia in mice. Baguley BC, et al. **Eur J Cancer Clin Oncol** 1983 Nov; 19(11):1607-13

Phase II study of amsacrine in refractory lymphomas. A report of the EORTC Early Clinical Trials Group. Bramwell VH, et al. **Eur J Cancer Clin Oncol** 1984 Jun; 20(6):753-9

Acridinyl anisidide (m-AMSA) therapy in 11 patients with refractory acute leukemia. Naparstek E, et al. **Isr J Med Sci** 1984 Feb;20(2):118-22

Prediction of complete remission in patients with refractory acute leukemia treated with AMSA. Estey EH, et al. **J Clin Oncol** 1984 Feb;2(2):102-6

Neocarzinostatin versus m-AMSA or doxorubicin in hepatocellular carcinoma. Falkson G, et al. **J Clin Oncol** 1984 Jun;2(6):581-4

Potential antitumor agents. 41. Analogues of amsacrine with electron-donor substituents in the anilino ring. Atwell GJ, et al. **J Med Chem** 1984 Mar;27(3):367-72

Potential antitumor agents. 40. Orally active 4,5-disubstituted derivatives of amsacrine. Denny WA, et al. **J Med Chem** 1984 Mar;27(3):363-7

Ledakrin in treatment of patients with carcinoma of the lung. Kwaśniewska-Rokicińska C, et al. **Mater Med Pol** 1983 Jan-Jun;15(1-2):43-6

AMSA: a phase II trial in resistant and recurrent acute myelogenous leukemia. Boccia R, et al. **Med Pediatr Oncol** 1984;12(3):178-9

TOXICITY

Comparison of the mutagenic and clastogenic activity of amsacrine and other DNA-intercalating drugs in cultured V79 Chinese hamster cells. Wilson WR, et al. **Cancer Res** 1984 Oct;44(10):4420-31

Effect of temperature on the cytotoxicity of vindesine, amsacrine, and mitoxantrone. Herman TS. **Cancer Treat Rep** 1983 Nov;67(11):1019-22

DNA damage in HeLa s3 cells by an antitumor drug Ledakrin and other antitumor 1-nitro-9-aminoacridines. Woynarowski JM, et al. **Chem Biol Interact** 1984 May; 49(3):311-28

Genotoxicity of acridine orange and acriflavine in Drosophila melanogaster. Alba P, et al. **Mutat Res** 1983 Sep; 121(3-4):199-203

Apparent changes in structure-activity relationships for antimitochondrial effects of 9-anilinoacridines according to Saccharomyces cerevisiae strain and methodology. Ferguson LR. **Mutat Res** 1984 Jun;136(3):223-31

Mutagenesis and anti-mutagenesis in Salmonella: influence of ethionine and caffeine on yields of mutations induced by 2-aminopurine and 9-aminoacridine. MacPhee DG, et al. **Mutat Res** 1983 Nov;111(3):283-93

Induction of SOS functions is not required for recA+-dependent mutagenicity of 9-aminoacridine in Salmonella typhimurium strain trpE8. Podger DM, et al. **Mutat Res** 1984 Mar-Apr;131(3-4):115-21

Mechanism of antitumor drug action: poisoning of mammalian DNA topoisomerase II on DNA by 4'-(9-acridinylamino)-methanesulfon-m-anisidide. Nelson EM, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(5):1361-5

2-AMINOADIPIC ACID see under **AMINO ACIDS, DICARBOXYLIC**

P-AMINOAZOBENZENE see under **AZO COMPOUNDS**

O-AMINOAZOTOLUENE see under **AZO COMPOUNDS**

P-AMINOBENZOIC ACID see under **AMINOBENZOIC ACIDS**

AMINOBENZOIC ACIDS

Spontaneous formation of immunogenic conjugates by 3-hydroxy-para-aminobenzoic acid--a biotransformation product of procaine and para-aminobenzoic acid. Cirstea M, et al. **Physiologie** 1984 Jan-Mar;21(1):25-31

ADMINISTRATION & DOSAGE

[Intrathecal administration of antifibrinolytics in subarachnoid hemorrhage] Leška P, et al. **Cesk Neurol Neurochir** 1983 Nov;46(6):411-2 (Cze)

ADVERSE EFFECTS

Chronic urticaria secondary to aminobenzoic acid. Thomas DR, et al. **Arch Dermatol** 1984 Jul;120(7):961-2

Cutaneous sensitivity to monoglycerol para-aminobenzoate cross sensitization and bilateral eczematization. By George H. Curtis and P.F. Crawford. **Cleve Clin Q** 1983 Summer; 50(2):77-83

Commentary and update: cutaneous sensitivity to monoglyceryl para-aminobenzoate. Mathias CG. **Cleve Clin Q** 1983 Summer;50(2):85-6

Oral PABA and vitiligo [letter] Hughes CG. **J Am Acad Dermatol** 1983 Nov;9(5):770

Dangers of orally administered para-aminobenzoic acid [letter] Worobec S, et al. **JAMA** 1984 May 11;251(18):2348

Infantile methemoglobinemia induced by a topical anesthetic, Cetacaine. Seibert RW, et al. **Laryngoscope** 1984 Jun; 94(6):816-7

ANALYSIS

Rapid quantitation of ethopabate in chicken muscles using high-performance liquid chromatography with fluorimetric detection: purification from extractant by continuous liquid-liquid partition. Nagata T, et al. **J Chromatogr** 1983 Dec 23;281:367-70

Assay of mixtures of padimate-O and oxybenzone in sunscreen formulations by high-performance liquid chromatography. Tan HS, et al. **J Chromatogr** 1984 May 18;291:275-82

BLOOD

Value of serum PABA as a pancreatic function test. Lang C, et al. **Gut** 1984 May;25(5):508-12

CHEMICAL SYNTHESIS

Potential antiatherosclerotic agents. 3. Substituted benzoic and non benzoic acid analogues of cetaben. Albright JD, et al. **J Med Chem** 1983 Oct;26(10):1393-411

Potential antiatherosclerotic agents. 2. (Aralkylamino)- and (alkylamino) benzoic acid analogues of cetaben. Albright JD, et al. **J Med Chem** 1983 Oct;26(10):1378-93

Potential antiatherosclerotic agents. 4. [(Functionalized-alkyl)amino]benzoic acid analogues of cetaben. DeVries VG, et al. **J Med Chem** 1983 Oct;

26(10):1411–21
[Quaternary salts of aminoethyl-p-aminobenzoates and aminoethyl-p-aminobenzamides. Synthesis and pharmacologic activity] Bousquet E, et al. **Farmaco [Sci]** 1984 Jan;39(1):3–15 (Eng. Abstr.) **(Ita)**

DIAGNOSTIC USE

Determination of p-aminobenzoic acid in urine by room-temperature phosphorimetry, with application to the bentiromide test for pancreatic function. Karnes HT, et al. **Clin Chem** 1984 Sep;30(9):1565–7
Reliability of the Bz-Ty-PABA and the pancreolauryl test in the assessment of exocrine pancreatic function. Cavallini G, et al. **Digestion** 1983;27(3):129–37
An evaluation of the one-day NBT-PABA/14C-PABA in the assessment of pancreatic exocrine insufficiency. Tanner AR, et al. **Digestion** 1984;29(1):42–6
Bentiromide—a test of pancreatic insufficiency. **Med Lett Drugs Ther** 1984 May 11;26(661):50
The bentiromide test for pancreatic exocrine insufficiency. Toskes PP. **Pharmacotherapy** 1984 Mar-Apr;4(2):74–80 (27 ref.)
[Study of the exocrine secretory function of the pancreas using the SPOFA-GNOST kit. First personal experience] Bureš J, et al. **Vnitr Lek** 1984 Mar;30(3):279–83 (Eng. Abstr.) **(Cze)**
[Usefulness of the peroral test with the chymotrypsin substrate 4-(N-acetyl-L-tyrosyl)aminobenzoic acid in patients with kidney diseases] Surañová M, et al. **Vnitr Lek** 1983 Sep;29(9):890–4 (Eng. Abstr.) **(Cze)**

METABOLISM

Cytochrome P-450 metabolic-intermediate complex formation from p-aminobenzoic acid esters and other arylamines. Liu Z, et al. **Eur J Drug Metab Pharmacokinet** 1984 Apr-Jun;9(2):155–9
3-Amino-5-hydroxybenzoic acid in antibiotic biosynthesis. VI. Directed biosynthesis studies with ansamycin antibiotics. Becker AM, et al. **J Antibiot (Tokyo)** 1983 Oct; 36(10):1323–8
Clinical laboratory differentiation of Legionellaceae family members with pigment production and fluorescence on media supplemented with aromatic substrates. Vickers RM, et al. **J Clin Microbiol** 1984 May;19(5):583–7
Nonpancreatic hydrolysis of N-benzoyl-L-tyrosyl-p-aminobenzoic acid (PABA peptide) in the rat small intestine. Sterchi EE, et al. **J Pediatr Gastroenterol Nutr** 1983;2(3):539–47
Transport characteristics of p-acetamidobenzoic acid in brush border membrane of rat small intestine. Yasuhara M, et al. **J Pharmacobiodyn** 1983 Nov;6(11):888–91

PHARMACODYNAMICS

The effect of p-aminobenzoic acid and folic acid on the development of infective larvae of Brugia malayi in Aedes aegypti. Rao UR, et al. **Acta Trop (Basel)** 1984 Mar; 41(1):61–7
Chemical control of hyperfibrinolytic states by synthetic inhibitors of fibrinolytic enzymes. Markwardt F, et al. **Biomed Biochim Acta** 1983;42(6):725–30
The enhancement of tumor cell susceptibility to macrophage binding and cytolysis by p-aminobenzoic acid–N-xyloside sodium salt (K-247). Toge T, et al. **Int J Immunopharmacol** 1984;6(1):55–9
Anti-inflammatory activity of amino acyl benzoates. Verma M, et al. **Pharmacol Res Commun** 1984 Jan;16(1):9–20
[Modification of primary hemostasis and capillary fragility induced by aminaftone in chronic renal insufficiency] Doni A, et al. **Clin Ter** 1983 Oct 15;107(1):45–50 (Eng. Abstr.) **(Ita)**
[Effects of krestin and p-aminobenzoic-N-xyloside sodium salt on activities of drug-metabolizing enzymes and glutathione-related enzymes in rat liver] Ebina T, et al. **Gan To Kagaku Ryoho** 1984 May;11(5):1032–6 (Eng. Abstr.) **(Jpn)**
[Changes in the nucleus-nucleolus apparatus and nucleic acid content in animal cells (fish, rabbit) exposed to minimal (threshold) doses of different biostimulants] Khvoles AG, et al. **Dokl Akad Nauk SSSR** 1983 Jul-Aug;271(1):238–40 **(Rus)**
[Effect of para-aminobenzoic acid on the deoxyribonuclease activity of intact and irradiated preparations] Kozhevnikova NA, et al. **Dokl Akad Nauk SSSR** 1983; 273(2):476–9 **(Rus)**
[para-Aminobenzoic acid inhibits the manifestation of inducible SOS functions in Escherichia coli K-12] Vasil'eva SV, et al. **Genetika (Moskva)** 1983 Nov;19(11):1778–85 (Eng. Abstr.) **(Rus)**
[Selective effect of p-aminobenzoic acid on mutagenesis: phenotypic analysis of the Arg+-revertants induced by N-nitroso-N-methylurea in the Escherichia coli K-12 AB1157 strain] Vasil'eva SV, et al. **Genetika (Moskva)** 1983 Nov;19(11):1916–20 (Eng. Abstr.) **(Rus)**
[Vitamin para-aminobenzoic acid inhibits development of SOS function in tif-1 mutants of Escherichia coli at nonpermissive temperatures] Vasil'eva SV, et al. **Genetika (Moskva)** 1983 Dec;19(12):1952–7 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Low dose antacid therapy for duodenal ulcer. Kumar N, et al. **Indian J Gastroenterol** 1983 Jul;2(2):83–4

TOXICITY

Cetaben versus clofibrate: comparison of toxicity and peroxisome proliferation in rats. Fort FL, et al. **Toxicology** 1983 Nov;28(4):305–11

URINE

Brief study of the urinary PABA test for assessment of pancreatic exocrine function [letter] Faulder GC, et al. **Clin Chem** 1984 Sep;30(9):1580
Determination of p-aminobenzoic acid in urine by room-temperature phosphorimetry, with application to the bentiromide test for pancreatic function. Karnes HT, et al. **Clin Chem** 1984 Sep;30(9):1565–7
Pancreatic glucagon secretion and exocrine function (BT-PABA test) in chronic pancreatitis. Keller U, et al. **Dig Dis Sci** 1984 Sep;29(9):853–7
Inosiplex: metabolism and excretion of the dimethylaminoisopropanol and p-acetamidobenzoic acid components in rhesus monkeys. Streeter DG, et al. **Drug Metab Dispos** 1984 Mar-Apr;12(2):199–203
[Usefulness of the peroral test with the chymotrypsin substrate 4-(N-acetyl-L-tyrosyl)aminobenzoic acid in patients with kidney diseases] Surañová M, et al. **Vnitr Lek** 1983 Sep;29(9):890–4 (Eng. Abstr.) **(Cze)**
[The BT-PABA urine and serum test in the diagnosis of chronic pancreatitis] Lang C. **Dtsch Med Wochenschr** 1984 May 4;109(18):718–9 **(Ger)**

O-AMINOBENZOIC ACIDS see ANTHRANILIC ACIDS

AMINOBIPHENYL COMPOUNDS

BLOOD

In vivo dosimetry of 4-aminobiphenyl in rats via a cysteine adduct in hemoglobin. Green LC, et al. **Cancer Res** 1984 Oct;44(10):4254–9

CHEMICAL SYNTHESIS

Synthesis of N-glucuronides of carcinogenic N-hydroxyarylamines. Lee MS, et al. **Carcinogenesis** 1984 Jan;5(1):73–5

METABOLISM

Formation and removal of DNA adducts in rat liver treated with N-hydroxy derivatives of 2-acetylaminofluorene, 4-acetylaminobiphenyl, and 2-acetylaminophenanthrene. Gupta RC, et al. **Carcinogenesis** 1984 Mar;5(3):343–9
The role of highly purified cytochrome P-450 isozymes in the activation of 4-aminobiphenyl to mutagenic products in the Ames test. Masson HA, et al. **Carcinogenesis** 1983 Dec;4(12):1583–6

TOXICITY

Effect of lead acetate on N-(4'-fluoro-4-biphenyl)acetamide-induced renal carcinogenesis in the rat. Tanner DC, et al. **Carcinogenesis** 1984 Sep;5(9):1109–13
Liver, kidney and small-intestine microsomal-mediated mutagenicity of carcinogenic aromatic amines. Fouarge M, et al. **Mutat Res** 1984 Jan;125(1):23–31

AMINOBUTYRATE AMINOTRANSFERASE

ANALYSIS

Application of a quick, simple and direct radiometric assay for 4-aminobutyrate:2-oxoglutarate aminotransferase to studies of the parasitic nematode Nippostrongylus brasiliensis. Watts SD, et al. **Comp Biochem Physiol [B]** 1983;76(4):899–906
GABA-T in bovine medulla cells: kinetic properties and comparison with GABA-T from other tissues. Fernández-Ramil JM, et al. **Rev Esp Fisiol** 1983 Sep; 39(3):299–303
Method of assay for 4-aminobutyrate-2-oxoglutarate aminotransferase. González MP, et al. **Rev Esp Fisiol** 1983 Jun;39(2):179–82

ANTAGONISTS & INHIBITORS

On the use of enzyme inhibitors to study the synthesis and utilization of brain GABA. Lindgren S, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Jul;55(1):41–9
Stereochemistry of the inactivation of 4-aminobutyrate: 2-oxoglutarate aminotransferase and L-glutamate 1-carboxylase by 4-aminohex-5-ynoic acid enantiomers. Danzin C, et al. **Biochem Pharmacol** 1984 Jun 1; 33(11):1741–6
Chronic administration of the GABA-transaminase inhibitor ethanolamine O-sulphate leads to up-regulation of GABA binding sites. Sykes C, et al. **Biochem Pharmacol** 1984 Feb 1;33(3):387–93
Involvement of GABA in the antinociceptive effect of gamma-acetylenic GABA (GAG), an inhibitor of GABA-transaminase. Sawynok J, et al. **Gen Pharmacol** 1983;14(6):603–7
Use of gamma-aminobutyric acid (GABA)-transaminase inhibitors and a GABA uptake inhibitor to investigate the influence of GABA neurons on dopamine-containing amacrine cells of the rat retina. Proll MA, et al. **J Pharmacol Exp Ther** 1983 Dec;227(3):627–32
Double-blind study of gamma-vinyl GABA in patients with refractory epilepsy. Rimmer EM, et al. **Lancet** 1984 Jan 28;1(8370):189–90
Synergistic anticonvulsant effects of GABA-T inhibitors and glycine. Seiler N, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 May; 326(1):49–57
Effects of some anticonvulsant drugs on brain GABA level and GAD and GABA-T activities. Battistin L, et al. **Neurochem Res** 1984 Feb;9(2):225–31
Effect of GABA-transminase inhibition on rectal temperature in mice. Schechter PJ, et al. **Pharmacol Biochem Behav** 1977 Jun;6(6):667–9
Studies on the self inactivation of rabbit brain GABA transaminase by beta-alanine. Fowler LJ, et al. **Prog Clin Biol Res** 1984;144B:67–75
GABA and feeding: reversal of overeating by central GABA-transaminase inhibition. Coscina DV. **Prog Neuropsychopharmacol Biol Psychiatry** 1983; 7(4–6):463–7
[Therapeutic trial of gamma-vinyl GABA, an inhibitor of GABA transaminase, in tardive dyskinesias induced by neuroleptics] Lambert PA, et al. **Encephale** 1982;8(3):371–6 (Eng. Abstr.) **(Fre)**
[Effects of gamma-vinyl GABA per os in 5 cases of hebephreno-catatonic schizophrenia] Lambert PA, et al. **Encephale** 1983;9(2):145–9 (Eng. Abstr.) **(Fre)**

METABOLISM

The involvement of GABA-transaminase in the blood-brain barrier to radiolabelled GABA. Krantis A. **Acta Neuropathol (Berl)** 1984;64(1):61–7
Changes in the activity of gamma-amino butyric acid transaminase and succinic semialdehyde dehydrogenase in the cobalt and iron experimental epileptogenic foci in the rat brain. Pathak DN, et al. **Biochem Int** 1984 Jul;9(1):59–68
Retrograde HRP tracing combined with a pharmacohistochemical method for GABA transaminase for the identification of presumptive GABAergic projections to the habenula. Araki M, et al. **Brain Res** 1984 Jun 25;304(2):271–7
Quantitative histochemical measurement of GABA-transaminase: method for evaluation of intracerebral lesions produced by excitotoxic agents. Gale K, et al. **Brain Res** 1984 Jul 30;307(1–2):255–62
GABA transaminase and succinic semialdehyde dehydrogenase histochemical activities in the visual and auditory cortexes of the rat: cytophotometric and statistical study. Martínez-Murillo R, et al. **Cell Mol Biol** 1984; 30(3):217–22
Action of D-amphetamine on the GABA-T histochemical reaction in several nervous centers. Martinez-Rodriguez R, et al. **Cell Mol Biol** 1983;29(6):525–9
Interactions between 4-aminobutyrate aminotransferase and succinic semialdehyde dehydrogenase, two mitochondrial enzymes. Hearl WG, et al. **J Biol Chem** 1984 Sep 25; 259(18):11459–63
Catalytic and structural properties of trypsin-treated 4-aminobutyrate aminotransferase. Kim DS, et al. **J Biol Chem** 1983 Oct 10;258(19):11768–73
Distribution of glycine, gamma-aminobutyric acid, glutamate decarboxylase, and gamma-aminobutyric acid transaminase in rabbit and mudpuppy retinas. Dick E, et al. **J Neurochem** 1984 May;42(5):1274–80
Enzymes of cerebral GABA metabolism and synaptosomal GABA uptake in acute liver failure in the rabbit: evidence for decreased cerebral GABA-transaminase activity. Ferenci P, et al. **J Neurochem** 1984 May;42(5):1487–90
Reaction of muscimol with 4-aminobutyrate aminotransferase. Fowler LJ, et al. **J Neurochem** 1983 Dec; 41(6):1751–4
Distribution of three enzymes of gamma-aminobutyric acid metabolism in monkey retina. Pusateri ME, et al. **J Neurochem** 1984 May;42(5):1269–72
Binding of [3H]gamma-vinyl-GABA to GABA-transaminase in brain homogenates. Gale K. **Life Sci** 1984 Feb 13;34(7):701–6
Enzyme activities of monoamine oxidase, catechol-O-methyltransferase and gamma-aminobutyric acid transaminase in primary astroglial cultures and adult rat brain from different brain regions. Hansson E. **Neurochem Res** 1984 Jan;9(1):45–57
Stimulatory effect of beta-estradiol treatment on GABA-degradative enzymes within rat cerebellar cortex. Cavallotti C, et al. **Neurosci Lett** 1983 Aug 29;39(2):205–9
Intrinsic GABAergic system of adrenal chromaffin cells. Kataoka Y, et al. **Proc Natl Acad Sci USA** 1984 May; 81(10):3218–22
Structure of 4-aminobutyrate aminotransferase, amino acid sequence of the catalytic site. Kim DS, et al. **Prog Clin Biol Res** 1984;144B:161–7
In vitro phosphorylation of tyrosine and 4-aminobutyrate aminotransferases by cAMP dependent protein kinase. Spielholz C, et al. **Prog Clin Biol Res** 1984;144B:57–66
[Cytophotometric study of changes in glutamate

dehydrogenase and GABA transaminase in the cerebral cortex during corazole kindling] Moiseev IN, et al. **Biull Eksp Biol Med** 1984 Apr;97(4):418–20 (Eng. Abstr.) **(Rus)**

[Neuroactive amino acid content and the activity of enzymes of the gamma-aminobutyric acid system of the brain under the effect of Arzni mineral baths (experimental study)] Grigorian RA, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 May–Jun; (3):9–11 (Eng. Abstr.) **(Rus)**

4-AMINOBUTYRIC ACID see **GABA**

AMINOBUTYRIC ACIDS

BIOSYNTHESIS

Synthesis of [3H]2-amino-4-phosphonobutyric acid and characterization of its binding to rat brain membranes: a selective ligand for the chloride/calcium-dependent class of L-glutamate binding sites. Monaghan DT, et al. **Brain Res** 1983 Nov 14;278(1–2):137–44

METABOLISM

Interactions of gamma-aminobutyric acid and noradrenaline in the high pressure neurological syndrome. Angel A, et al. **Br J Pharmacol** 1983 Jul;79(3):725–9

Characterization of the binding of DL-[3H]-2-amino-4-phosphonobutyrate to L-glutamate-sensitive sites on rat brain synaptic membranes. Butcher SP, et al. **Br J Pharmacol** 1983 Oct; 80(2):355–64

Studies on the interaction between cerebral 5-hydroxytryptamine and gamma-aminobutyric acid in the mode of action of diazepam in the rat. Collinge J, et al. **Br J Pharmacol** 1983 Jul;79(3):637–43

Ionic regulation of the binding of DL-[3H]2-amino-4-phosphonobutyrate to L-glutamate-sensitive sites on rat brain membranes. Butcher SP, et al. **J Neurochem** 1984 Oct;43(4):1039–45

PHARMACODYNAMICS

Actions of D and L forms of 2-amino-5-phosphonovalerate and 2-amino-4-phosphonobutyrate in the cat spinal cord. Davies J, et al. **Brain Res** 1982 Mar 11;235(2):378–86

2-Amino-4-phosphonobutyrate selectively blocks mossy fiber-CA3 responses in guinea pig but not rat hippocampus. Lanthorn TH, et al. **Brain Res** 1984 Jan 2;290(1):174–8

Effects of acidic amino acid antagonists on paired-pulse potentiation at the lateral perforant path. Harris EW, et al. **Exp Brain Res** 1983;52(3):455–60

Response properties of cells in rabbit's lateral geniculate nucleus during reversible blockade of retinal on-center channel. Knapp AG, et al. **J Neurophysiol** 1983 Nov; 50(5):1236–45

Pharmacological modulation of on and off ganglion cells in the cat retina. Bolz J, et al. **Neuroscience** 1984 Jul; 12(3):875–85

A comparison of the effects of isomers of alpha-aminoadipic acid and 2-amino-4-phosphonobutyric acid on the light response of the müller glial cell and the electroretinogram. Zimmerman RP, et al. **Neuroscience** 1984 May;12(1):77–84

The cholinergic amacrine cells of rabbit retina receive on and off input: an analysis of [3H]-ACh release using 2-amino-4-phosphonobutyric acid (APB) and chloride free medium. Massey SC, et al. **Vision Res** 1983;23(12):1615–20

The effects of 2-amino-4-phosphonobutyric acid (APB) on the ERG and ganglion cell discharge of rabbit retina. Massey SC, et al. **Vision Res** 1983;23(12):1607–13

THERAPEUTIC USE

Naloxone as an adjuvant in chemotherapy of an experimental tumor. Sjölander U, et al. **J Cancer Res Clin Oncol** 1984; 108(2):246–8

6-AMINOCAPROIC ACID see under **AMINOCAPROIC ACIDS**

AMINOCAPROIC ACIDS

ADMINISTRATION & DOSAGE

Intracavitary aminocaproic acid for massive pulmonary hemorrhage [letter] Fernandez NA. **Chest** 1984 Jun; 85(6):839

Sickle-cell-induced hematuria in pregnancy. The current diagnostic and therapeutic approach. Kassam SH, et al. **J Reprod Med** 1984 Feb;29(2):117–21

ADVERSE EFFECTS

Why may epsilon-aminocaproic acid (EACA) induce myopathy in man? Report of a case and literature review. Galassi G, et al. **Ital J Neurol Sci** 1983 Dec;4(4):489–92

Omega-aminoaciduria induced by gamma-vinyl GABA [letter] Brandt NJ, et al. **Lancet** 1984 Feb 25;1(8374):450–1

Quantitative determination of plasma fibrinolytic activity in patients with ruptured intracranial aneurysms who are receiving epsilon-aminocaproic acid: relationship of possible complications of therapy to the degree of fibrinolytic inhibition. Burchiel KJ, et al. **Neurosurgery** 1984 Jan;14(1):57–63

Obstruction of solitary kidney due to epsilon-aminocaproic-acid-induced fibrin clot formation. Geltzeiler J, et al. **Urology** 1984 Jul;24(1):64–6

ANALYSIS

Assay of gamma-vinyl-gamma-aminobutyric acid (4-amino-hex-5-enoic acid) in plasma and urine by automatic amino acid analysis. Application to human pharmacokinetics. Grove J, et al. **J Chromatogr** 1984 Mar 9;306:383–7

CHEMICAL SYNTHESIS

[Synthesis of N alpha-(tosyl-beta-alanyl)- and N alpha-(tosyl-epsilon-aminocapronyl)amidinophenylalanine as strongly effective inhibitors of thrombin] Wagner G, et al. **Pharmazie** 1984 May;39(5):315–7 (Eng. Abstr.) **(Ger)**

METABOLISM

Formation of epsilon-hydroxycaproate and epsilon-aminocaproate from N-nitrosohexamethyleneimine: evidence that microsomal alpha-hydroxylation of cyclic nitrosamines may not always involve the insertion of molecular oxygen into the substrate. Hecker LI, et al. **Chem Biol Interact** 1984 Apr; 49(1–2):235–48

Kinetics of epsilon-aminocaproic acid distribution, elimination, and antifibrinolytic effects in normal subjects. Frederiksen MC, et al. **Clin Pharmacol Ther** 1984 Mar; 35(3):387–93

Interaction of purified precipitating and non-precipitating (coprecipitating) antibodies with hapten and with haptenated protein. Evidence of an asymmetric antibody molecule. Ronco JR, et al. **Immunology** 1984 Jul; 52(3):449–56

Presynaptic binding of amino acids: characterization of the binding and dissociation properties of taurine, GABA, glutamate, tyrosine and norleucine. Turpeenoja L, et al. **Int J Neurosci** 1983 Dec;22(1–2):99–106

DNA–DNA hybridization analysis of nylon oligomer-degradative plasmid pOAD2: identification of the DNA region analogous to the nylon oligomer degradation gene. Negoro S, et al. **J Bacteriol** 1984 May;158(2):419–24

Binding of [3H]gamma-vinyl-GABA to GABA-transaminase in brain homogenates. Gale K. **Life Sci** 1984 Feb 13;34(7):701–6

PHARMACODYNAMICS

Stereochemistry of the inactivation of 4-aminobutyrate: 2-oxoglutarate aminotransferase and L-glutamate 1-carboxylase by 4-aminohex-5-ynoic acid enantiomers. Danzin C, et al. **Biochem Pharmacol** 1984 Jun 1; 33(11):1741–6

Inhibition by L-valine and L-norleucine of 3-phenylpyruvate-induced insulin release. Sener A, et al. **Biochimie** 1984 May;66(5):353–60

Involvement of GABA in the antinociceptive effect of gamma-acetylenic GABA (GAG), an inhibitor of GABA-transaminase. Sawynok J, et al. **Gen Pharmacol** 1983;14(6):603–7

gamma-vinyl GABA, and GABA and beta-alanine transamination [letter] **Lancet** 1984 Mar 31;1(8379):737–8

Hyper- and hypothermia induced by non-noxious stress: effects of naloxone, diazepam and gamma-acetylenic GABA. Vidal C, et al. **Life Sci** 1983;33 Suppl 1:587–90

Effect of GABA-transminase inhibition on rectal temperature in mice. Schechter PJ, et al. **Pharmacol Biochem Behav** 1977 Jun;6(6):667–9

The mechanism of hepatoprotection by epsilon aminocaproic acid and putrescine. Putnam CW, et al. **Surgery** 1984 Aug; 96(2):214–22

Fluorescence polarization and spectropolarimetric studies on the conformational changes induced by omega-aminoacids in two isozymes of Glu-plasminogen (I and II). Sugawara Y, et al. **Thromb Res** 1984 Feb 1;33(3):269–75

Fluorescence spectrophotometric studies on the conformational changes induced by omega-aminoacids in two isozymes of Glu-plasminogen (I and II). Takada A, et al. **Thromb Res** 1984 Mar 1;33(5):461–9

THERAPEUTIC USE

Pathologic hyperfibrinolysis associated with amyloidosis: clinical response to epsilon amino caproic acid. Chang JC, et al. **Am J Clin Pathol** 1984 Mar;81(3):382–7

Aminocaproic acid treatment of recurrent postoperative hyphemas. Goldfarb MS, et al. **Ann Ophthalmol** 1984 Jul; 16(7):690, 692–3, 696–7

Aminocaproic acid [letter] **Arch Ophthalmol** 1984 Jun; 102(6):818, 820–1

Systemic steroids or aminocaproic acid in the management of traumatic hyphema?—Yes! [letter] Romano P. **Arch Ophthalmol** 1984 Feb;102(2):189, 192

Acute rhabdomyolysis during treatment with epsilon aminocaproic acid. Description of two cases. Luliri P, et al. **Haematologica (Pavia)** 1983 Sep–Oct;68(5):664–9

The preventative effect of the antifibrinolytic agents, epsilon-aminocaproic acid and tranexamic acid, on stress ulcer formation in rats. Kodama Y, et al. **Int Surg** 1983 Oct–Dec;68(4):361–3

Epsilon aminocaproic acid and the control of post-prostatectomy bleeding: a prospective double-blind study. Smith RB, et al. **J Urol** 1984 Jun;131(6):1093–5

Double-blind study of gamma-vinyl GABA in patients with refractory epilepsy. Rimmer EM, et al. **Lancet** 1984 Jan 28;1(8370):189–90

Biochemical and clinical effects of gamma-vinyl GABA in patients with epilepsy. Schechter PJ, et al. **Neurology (NY)** 1984 Feb;34(2):182–6

Gamma-vinyl GABA treatment of Huntington's disease. Scigliano G, et al. **Neurology (NY)** 1984 Jan;34(1):94–6

An experimental study of the influence of antifibrinolytic therapy on post-subarachnoid-hemorrhagic cerebral vasospasm and hydrocephalus. Kenning JA, et al. **Surg Neurol** 1984 Feb;21(2):159–64

Unilateral essential hematuria. Therapy with epsilon aminocaproic acid. Nash DA Jr, et al. **Urology** 1984 Mar; 23(3):297–8

[Gamma-vinyl GABA and tardive dyskinesia: a single-blind study versus placebo] Danion JM, et al. **Ann Med Psychol (Paris)** 1984 Jan;142(1):101–10 **(Fre)**

[Effects of gamma-vinyl GABA per os in 5 cases of hebephreno-catatonic schizophrenia] Lambert PA, et al. **Encephale** 1983;9(2):145–9 (Eng. Abstr.) **(Fre)**

[Aminocaproic acid in the treatment of hemorrhagic and other dermatoses] Ivanov OL, et al. **Vestn Dermatol Venerol** 1983 Jul;(7):53–4 (Eng. Abstr.) **(Rus)**

[E-aminocaproic acid in the combined treatment of chronic enterocolitis] Polivoda SV. **Vrach Delo** 1984 Jul;(7):18–21 (Eng. Abstr.) **(Rus)**

AMINOETHANOLS see **ETHANOLAMINES**

AMINOETHYLISOTHIURONIUM BROMIDE HYDROBROMIDE see **AET**

AMINOETHYLPHOSPHONIC ACID see under **ORGANOPHOSPHORUS COMPOUNDS**

AMINOFORM see **METHENAMINE**

AMINOGLUTETHIMIDE

ADMINISTRATION & DOSAGE

Clinical effect of aminoglutethimide, medical adrenalectomy, in treatment of 43 patients with advanced prostatic carcinoma. Drago JR, et al. **Cancer** 1984 Apr 1; 53(7):1447–50

Preliminary study of hormone determinations during aminoglutethimide therapy for advanced breast cancer. Scaglia HE, et al. **Eur J Gynaecol Oncol** 1984;5(3):170–9

Low-dose aminoglutethimide in treatment of advanced breast cancer. Stuart-Harris R, et al. **Lancet** 1984 Sep 15; 2(8403):604–7

[Aminoglutethimide in the treatment of Cushing's syndrome (observation of 10 cases)] Kasperlik-Załuska A, et al. **Pol Tyg Lek** 1983 Mar 14;38(11):333–6 (Eng. Abstr.) **(Pol)**

ADVERSE EFFECTS

Hematologic adverse effects of aminoglutethimide [letter] Buzdar AU, et al. **Ann Intern Med** 1984 Jan;100(1):159

Aminoglutethimide and cholestasis [letter] Perrault DJ, et al. **Ann Intern Med** 1984 Jan;100(1):160

Mineralocorticoid deficiency associated with aminoglutethimide therapy. Katzenberg CA, et al. **Ariz Med** 1983 Aug;40(8):538–40

Severe mucocutaneous reaction to aminoglutethamide. Coltart RS. **Br J Radiol** 1984 Jun;57(678):531–2

Thrombocytopenia after combination therapy with aminoglutethimide and tamoxifen: which drug is to blame? Ragaz J, et al. **Cancer Treat Rep** 1984 Jul–Aug; 68(7–8):1015–6

Severe thrombocytopenia following the administration of aminoglutethimide. Katz ME. **Conn Med** 1984 Jul; 48(7):423–4

Aminoglutethimide-induced hypercholesterolaemia [letter] Bonneterre J, et al. **Lancet** 1984 Apr 21;1(8382):912–3

ANALOGS & DERIVATIVES

Metabolism of aminoglutethimide in humans: identification of hydroxylaminoglutethimide as an induced metabolite. Jarman M, et al. **Biomed Mass Spectrom** 1983 Nov; 10(11):620–5

Determination of aminoglutethimide and N-acetylaminoglutethimide in human plasma by reversed-phase liquid chromatography. Schanche JS, et al. **Ther Drug Monit** 1984;6(2):221–6

ANALYSIS

Gas—liquid chromatographic assay of aminoglutethimide and a high-performance liquid chromatographic assay for its acetyl metabolite in biological fluids. Adam AM, et al. **J Chromatogr** 1984 Apr 13;307(1):129–35

BLOOD

Determination of aminoglutethimide and N-acetylaminoglutethimide in human plasma by reversed-phase liquid chromatography. Schanche JS, et al. **Ther Drug Monit** 1984;6(2):221–6

METABOLISM

Metabolism of aminoglutethimide in humans: identification of hydroxylaminoglutethimide as an induced metabolite. Jarman M, et al. **Biomed Mass Spectrom** 1983 Nov; 10(11):620–5

The role of aromatase inhibitors in breast cancer. Powles TJ. **Semin Oncol** 1983 Dec;10(4 Suppl 4):20–4

PHARMACODYNAMICS

Effects of luteinizing hormone, progesterone, testosterone, estradiol and corticosterone on ovulation and luteinizing hormone release in hens treated with aminoglutethimide. Lang GF, et al. **Biol Reprod** 1984 Mar;30(2):278–88

Suppression of plasma 6-keto-prostaglandin F1 alpha and 13,14-dihydro-15-keto-prostaglandin F2 alpha by aminoglutethimide in advanced breast cancer. Harris AL, et al. **Br J Cancer** 1983 Oct;48(4):595–8

Ablative procedures in patients with metastatic breast carcinoma. Wells SA Jr, et al. **Cancer** 1984 Feb 1;53(3 Suppl):762–5

Aminoglutethimide and warfarin. A new important drug interaction. Lønning PE, et al. **Cancer Chemother Pharmacol** 1984;12(1):10–2

Effects of aminoglutethimide on adrenal steroid secretion. Vermeulen A, et al. **Clin Endocrinol (Oxf)** 1983 Dec; 19(6):673–82

A possible role of 'steroidogenic factor' in the corticoidogenic response to ACTH; effect of ACTH, cycloheximide and aminoglutethimide on the content of cholesterol in the outer and inner mitochondrial membrane of rat adrenal cortex. Ohno Y, et al. **Endocrinol Jpn** 1983 Jun;30(3):335–8

Effects of aminoglutethimide on luteinizing hormone and steroid secretion, and ovulation in the hen, Gallus domesticus. Johnson AL, et al. **Endocrinology** 1984 Jun; 114(6):2276–83

Additive effects of aminoglutethimide, testololactone, and 4-hydroxyandrostenedione as inhibitors of aromatase. Santner SJ, et al. **J Steroid Biochem** 1984 Jun; 20(6A):1239–42

Aminoglutethimide and serum cholesterol [letter] **Lancet** 1984 Aug 11;2(8398):358

On the specificity of the inhibitory effect of trilostane and aminoglutethimide on adrenocortical steroidogenesis in guinea pig. Lambert F, et al. **Mol Cell Endocrinol** 1984 Aug;37(1):115–20

[Regulation of hydroxylation in position 21 of steroids in adrenal cortex cells of newborn rats, in culture. Utilization of aminoglutethimide and of exogenous steroids] Raoux RJ, et al. **C R Soc Biol (Paris)** 1984;178(1):84–91 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Aminoglutethimide induced hormone suppression and response to therapy in advanced postmenopausal breast cancer. Harris AL, et al. **Br J Cancer** 1983 Oct;48(4):585–94

Additive hormonal therapy in women with advanced breast cancer. Ingle JN. **Cancer** 1984 Feb 1;53(3 Suppl):766–77

Evaluation of aminoglutethimide in stage D prostate cancer: an assessment of efficacy and toxicity in patients with tumors refractory to hormonal therapy. Block M, et al. **Cancer Treat Rep** 1984 May;68(5):719–22

Suppression of residual oestrogen production with aminoglutethimide in women following surgical hypophysectomy or adrenalectomy. Samojlik E, et al. **Clin Endocrinol (Oxf)** 1984 Jan;20(1):43–51

Hydrocortisone alone vs hydrocortisone plus aminoglutethimide: a comparison of the endocrine effects in postmenopausal breast cancer. Harris AL, et al. **Eur J Cancer Clin Oncol** 1984 Apr;20(4):463–9

Endocrine changes associated with relapse in advanced breast cancer patients on aminoglutethimide therapy. Dowsett M, et al. **J Clin Endocrinol Metab** 1984 Jan;58(1):99–104

Breast cancer drug adrenalectomy 'passes' [news] Henahan J. **JAMA** 1984 Jan 20;251(3):310

Estrogen receptor status and the clinical response to a combination of aminoglutethimide and cortisol in advanced breast cancer. Paridaens R, et al. **Recent Results Cancer Res** 1984;91:248–52

[Variations in gamma-glutamyltranspeptidase levels in patients receiving hormone therapy with aminoglutethimide (letter)] Bonneterre J, et al. **Bull Cancer (Paris)** 1984;71(2):147 **(Fre)**

[A new principle in endocrine therapy of metastatic breast cancer: aminoglutethimide, an antiestrogen with aromatase-inhibiting action] Drees N. **Onkologie** 1984 Feb; 7(1):52–6 **(Ger)**

[Use of aminoglutethimide in a patient with carcinoma of the adrenal cortex] Ivković T. **Med Pregl** 1983; 36(5–6):211–6 (Eng. Abstr.) **(Scr)**

AMINOGLYCOSIDES

ADMINISTRATION & DOSAGE

[Primacy of medical treatment of cerebral abscesses (19 cases)] Petit H, et al. **Rev Neurol (Paris)** 1983; 139(10):575–81 (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

Urinary N-acetyl-beta-D-glucosaminidase (NAG) isoenzyme profiles: a tool for evaluating nephrotoxicity of aminoglycosides and cephalosporins. Gibey R, et al. **Clin Chim Acta** 1984 Feb 14;137(1):1–11

Aminoglycoside nephrotoxicity. Bennett WM. **Nephron** 1983; 35(2):73–7 (39 ref.)

[Topically induced ototoxicity] Federspil P. **HNO** 1984 Feb; 32(2):81–3 (Eng. Abstr.) **(Ger)**

BLOOD

Improved sensitivity of aminoglycoside enzyme immunoassays [letter] Gorsky JE, et al. **Clin Chem** 1983 Nov;29(11):1994–5

CHEMICAL SYNTHESIS

[Aminoglycoside antibiotics today and tomorrow] Hejzlar M. **Cas Lek Cesk** 1984 Jan 20;123(3):70–2 (Eng. Abstr.) **(Cze)**

METABOLISM

Identification of aminoglycoside-acetylating enzymes by high-pressure liquid chromatographic determination of their reaction products. Lovering AM, et al. **Antimicrob Agents Chemother** 1984 Jul;26(1):10–2

The pharmacology of aminoglycosides—I. Considered as a group. Norris SM, et al. **Infect Control** 1984 Apr; 5(4):188–91

Neomycin biosynthesis: the involvement of neamine and paromamine as intermediates. Fang JR, et al. **J Antibiot (Tokyo)** 1984 Jan;37(1):77–9

[Possibilities of the preclinical assessment of changes in pharmacokinetics as a result of renal failure] Schück O, et al. **Cas Lek Cesk** 1983 Jul 22;122(29):897–900 (Eng. Abstr.) **(Cze)**

PHARMACODYNAMICS

Evaluation of the Kirby-Bauer disc diffusion test as a screening test for high-level aminoglycoside resistance in enterococci. Pfaller MA, et al. **Am J Clin Pathol** 1984 Oct; 82(4):458–60

Mechanisms of action of aminoglycoside antibiotics in eucaryotic protein synthesis. Eustice DC, et al. **Antimicrob Agents Chemother** 1984 Jul;26(1):53–60

Some newer antibiotics. Kohler RB, et al. **J Indiana State Med Assoc** 1983 Sep;76(9):573–8

In vitro susceptibility of clinical bacterial isolates to aminoglycosides and third-generation cephalosporins. Charoenphol I, et al. **J Med Assoc Thai** 1983 Aug; 66(8):470–4

A laboratory assessment of the activities of four aminoglycosides. Schrire L, et al. **S Afr Med J** 1984 Jun 9;65(23):922–4

[Hospital epidemic due to Stpahylococcus aureus resistant to oxacillin and aminoglycosides] Marcelis L, et al. **Acta Clin Belg** 1984;39(2):70–6 (Eng. Abstr.) **(Fre)**

POISONING

[Ultrastructural changes of the otoliths in chronic aminoglycoside poisoning] Catalano GB, et al. **Acta Otorhinolaryngol Ital** 1983 Jul-Aug;3(4):373–80 (Eng. Abstr.) **(Ita)**

THERAPEUTIC USE

Progressive increase in antibiotic resistance of gram-negative bacterial isolates. Walter Reed Hospital, 1976 to 1980: specific analysis of gentamicin, tobramycin, and amikacin resistance. Cross AS, et al. **Arch Intern Med** 1983 Nov; 143(11):2075–80

Evaluation of a new aminoglycoside antibiotic in the treatment of infections in neonates, infants, and children. Chiu TA, et al. **Clin Ther** 1983;6(1):94–102

A prospective comparison of two regimens of prophylactic antibiotics in abdominal trauma: cefoxitin versus triple drug. Hofstetter SR, et al. **J Trauma** 1984 Apr;24(4):307–10

Aminoglycoside therapy. Improving patient response and safety. Ackerman BH, et al. **Postgrad Med** 1984 Feb 1; 75(2):177–86

TOXICITY

[Aminoglycoside-induced interstitial nephritis] Wakamatsu R, et al. **Nippon Jinzo Gakkai Shi** 1983 Jul;25(7):934–5 **(Jpn)**

P-AMINOHIPPURIC ACID see under **AMINOHIPPURIC ACIDS**

AMINOHIPPURIC ACIDS

ANALYSIS

Simple and micro high-performance liquid chromatographic method for simultaneous determination of p-aminohippuric acid and iothalamate in biological fluids. Prueksaritanont T, et al. **J Chromatogr** 1984 Mar 9;306:89–97

BLOOD

Evidence for PAH extraction from superficial cortical efferent vessel plasma. Weinstein SW, et al. **Am J Physiol** 1983 Nov;245(5 Pt 1):F577–83

Antibiotics and p-aminohippurate [letter] Karlmar KE. **Clin Chem** 1983 Dec;29(12):2121

DIAGNOSTIC USE

[Clearance of inulin and PAH in pediatric nephrology] Jovanović SD. **Med Pregl** 1984;37(1–2):67–9 (Eng. Abstr.) **(Scr)**

METABOLISM

Lithium inhibition of renal tubular p-aminohippurate transport in the rat: relation to plasma 2-oxoglutarate. Szczepanska-Konkel M, et al. **Acta Physiol Hung** 1983; 62(3–4):235–43

Suppression of para-aminohippurate transport in the isolated perfused kidney by an inhibitor of protein binding in uremia. Depner TA, et al. **Am J Kidney Dis** 1984 Jan; 3(4):280–6

Verapamil and quinidine effects on PAH transport by isolated perfused renal tubules. Dantzler WH, et al. **Am J Physiol** 1984 Feb;246(2 Pt 2):F188–200

Effects of low [Ca2+] and La3+ on PAH transport by isolated perfused renal tubules. Dantzler WH, et al. **Am J Physiol** 1984 Feb;246(2 Pt 2):F175–87

Limitations of standard filtration techniques in measuring specific binding of transported substrates to renal plasma membranes. Miller JH, et al. **Aust J Exp Biol Med Sci** 1983 Jun;61 (Pt 3):339–43

Nature of Na+-independent stimulation of renal transport of p-aminohippurate by exogenous metabolites. Sheikh MI, et al. **Biochem Pharmacol** 1983 Sep 15;32(18):2745–9

p-Aminohippurate (PAH) transport and Na-K-ATPase activity in rat renal cortical slices during postnatal maturation and drug-induced stimulation. Stopp M, et al. **Biochem Pharmacol** 1983 Dec 15;32(24):3675–8

Determination of inulin and PAH clearance in different types of nephropathy rats. Onodera T, et al. **Dev Toxicol Environ Sci** 1983;11:443–6

Inhibition of p-aminohippurate transport by cyclic GMP in rat kidney cortical slices. Gemba M, et al. **J Pharmacobiodyn** 1983 Sep;6(9):621–6

Stimulative effect of Ba2+ on p-aminohippurate transport in rat kidney cortical slices. Gemba M, et al. **J Pharmacobiodyn** 1983 Oct;6(10):760–6

Na+ gradient-dependent p-aminohippurate (PAH) transport in rat basolateral membrane vesicles. Kasher JS, et al. **J Pharmacol Exp Ther** 1983 Oct;227(1):122–9

Effects of analogs of salicylate on p-aminohippurate uptake into basal-lateral membranous vesicles. Tse SS, et al. **J Pharmacol Exp Ther** 1984 Jun;229(3):738–46

Influence of neomycin pretreatment on stimulated and maturative renal transport of p-aminohippurate (PAH). Bräunlich H, et al. **Med Biol** 1984;62(1):49–53

Effect of piperonyl butoxide on organic anion and cation transport in rabbit kidneys. Kuo CH, et al. **Proc Soc Exp Biol Med** 1983 Nov;174(2):165–71

Effects of sulfhydryl reagent, p-chloromercuribenzoate, on p-aminohippurate transport by isolated, perfused snake renal tubules. Dantzler WH, et al. **Renal Physiol** 1983; 6(5):209–17

Nature of inhibition of renal aspartate reabsorption in experimental Fanconi syndrome. Foulkes EC. **Toxicol Appl Pharmacol** 1983 Dec;71(3):445–50

Effects of gossypol on PAH transport in the rabbit kidney slice. Hong SK, et al. **Toxicol Appl Pharmacol** 1983 Dec; 71(3):430–5

In vitro renal transport of organic ions during exposure to hyperbaric helium. Small A, et al. **Undersea Biomed Res** 1983 Sep;10(3):157–68

[Dose- and age-dependence of the renal tubular transport of p-aminohippuric acid (PAH) in rats after injection of single doses] Bräunlich H, et al. **Pharmazie** 1983 Jul; 38(7):483–5 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Effects of p-aminohippurate and pyrazinoate on urate excretion in Cebus monkeys. Perez-Gonzalez M, et al. **J Pharmacol Exp Ther** 1984 Jan;228(1):252–5

URINE

PAH excretion in two species of cancroid crab Cancer irroratus and C. borealis. Holliday CW, et al. **Am J Physiol** 1984 Mar;246(3 Pt 2):R364–8

Effects of indomethacin and naproxen on renal p-amino-hippurate (PAH) excretion in rats during postnatal development. Hably C, et al. **Arch Int Pharmacodyn Ther** 1984 Mar;268(1):4–11

AMINOHYDROLASES

Automated assay of creatinine in serum as simplified by the use of immobilized enzymes, creatinine deiminase, and glutamate dehydrogenase. Tabata M, et al. **Anal Biochem** 1983 Oct 1;134(1):44–9

An enzymic creatinine assay as used in centrifugal analyzers [letter] Prencipe L, et al. **Clin Chem** 1984 Sep;30(9):1583–4

ANALYSIS

Histochemical demonstration of guanase in human liver with guanine in bicine buffer as substrate. Ito S, et al. **Histochem J** 1984 May;16(5):489–99

ANTAGONISTS & INHIBITORS

New guanine deaminase inhibitors. Saxena AK, et al. **Pharmacol Res Commun** 1984 Mar;16(3):243–52

BLOOD

The estimation of serum guanosine deaminase activity in liver disease. Jones DD, et al. **J Clin Chem Clin Biochem** 1983 Dec;21(12):835–40

[Measurement of serum guanase activity and prevention of non-A, non-B hepatitis] Yamasaki S, et al. **Nippon Rinsho** 1984 Mar;42(3):740–53 **(Jpn)**

DEFICIENCY

GTP cyclohydrolase I deficiency, a new enzyme defect causing hyperphenylalaninemia with neopterin, biopterin, dopamine, and serotonin deficiencies and muscular hypotonia. Niederwieser A, et al. **Eur J Pediatr** 1984 Feb; 141(4):208–14

GENETICS

A genetic analysis of the pteridine biosynthetic enzyme, guanosine triphosphate cyclohydrolase, in Drosophila melanogaster. Mackay WJ, et al. **Genetics** 1983 Sep; 105(1):35–53

[Localization of the genes coding for GTP cyclohydrolase II and riboflavin synthase on the chromosome of Escherichia coli K-12] Tesliar GE, et al. **Tsitol Genet** 1983 Sep–Oct;17(5):54–6 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Studies of rabbit brain, intestine and liver guanine aminohydrolase. Pugh ME, et al. **Comp Biochem Physiol [B]** 1984;77(3):619–27

METABOLISM

Guanosine triphosphate cyclohydrolase activity in rat tissues. Bellahsene Z, et al. **Biochem J** 1984 Jan 1;217(1):59–65

Methylenetetrahydrofolate dehydrogenase – methenyltetrahydrofolate cyclohydrolase – formyltetrahydrofolate synthetase from porcine liver: evidence to support a common dehydrogenase–cyclohydrolase site. Drummond D, et al. **Can J Biochem Cell Biol** 1983 Nov;61(11):1166–71

Participation of an extracellular deaminase in amino acid utilization by Neurospora crassa. DeBusk RM, et al. **J Bacteriol** 1984 Aug;159(2):583–9

AMINOIMIDAZOLE CARBOXAMIDE see under **IMIDAZOLES**

AMINOISOBUTYRIC ACIDS

Stereochemistry of alpha-aminoisobutyric acid peptides in solution: helical conformations of protected decapeptides with repeating Aib-L-Ala and Aib-L-Val sequences. Vijayakumar EK, et al. **Biopolymers** 1983 Sep; 22(9):2133–40

METABOLISM

Studies of the uptake and distribution of inulin and alpha-aminoisobutyric acid after intraamniotic injection in the guinea pig. Husstedt W, et al. **Arch Gynecol** 1983; 233(4):275–9

Characteristics of alpha-aminoisobutyric acid transport in rat skeletal muscles. Lewis SE, et al. **Biochem J** 1984 Jul 1; 221(1):71–9

Energetics of sodium-dependent alpha-aminoisobutyric acid transport in the moderate halophile Vibrio costicola. Hamaide F, et al. **Biochim Biophys Acta** 1984 Jul 27; 766(1):77–87

The effect of phenformin on insulin-stimulated isoaminobutyric acid (AIB) transport by isolated hepatocytes. Woods RJ, et al. **Br J Exp Pathol** 1984 Apr; 65(2):251–6

Selective fetal malnutrition: the effect of nicotine, ethanol, and acetaldehyde upon in vitro uptake of alpha-aminoisobutyric acid by human term placental villous slices. Fisher SE, et al. **Dev Pharmacol Ther** 1984; 7(4):229–38

Insulin-stimulated methylaminoisobutyric acid uptake in 3T3-L1 fibroblasts and fat cells. Grunfeld C, et al. **Endocrinology** 1983 Nov;113(5):1763–70

Effects of porcine gastrin-releasing peptide on amylase release, 2-deoxyglucose uptake, and alpha-aminoisobutyric acid uptake in mouse pancreatic acini. Iwamoto Y, et al. **Endocrinology** 1983 Dec;113(6):2106–12

Effects of insulin and glucagon on amino acid transport into the liver and opercular muscle of the eel in vitro. Inui Y, et al. **Gen Comp Endocrinol** 1983 Aug;51(2):213–8

Specificity and control of uptake of purines and other compounds in Bacillus subtilis. Beaman TC, et al. **J Bacteriol** 1983 Dec;156(3):1107–17

Induction of amino acid transport by L-triiodothyronine in cultured growth hormone-producing rat pituitary tumor cells (GC cel's). Surks MI, et al. **J Biol Chem** 1984 May 10;259(9):5726–33

Effects of polyamines on cyclic AMP-mediated stimulation of amino acid transport in isolated rat hepatocytes. Auberger P, et al. **J Cell Physiol** 1983 Nov;117(2):204–10

Stimulation by somatomedin-C of aminoisobutyric acid uptake in human fibroblasts: a possible test for cellular responsiveness to somatomedin. Kaplowitz PB, et al. **J Clin Endocrinol Metab** 1984 Jan;58(1):176–81

Thyroxine-induced changes in the development of neutral alpha-amino acid transport systems of rat brain. Riggs TR, et al. **J Neurochem** 1984 May;42(5):1260–8

Selective fetal malnutrition: the effect of in vivo ethanol exposure upon in vitro placental uptake of amino acids in the non-human primate. Fisher SE, et al. **Pediatr Res** 1983 Sep;17(9):704–7

Absorption kinetics for leucine, cycloleucine and alpha-aminoisobutyric acid by rat small intestine in vivo. Torre P, et al. **Rev Esp Fisiol** 1983 Dec;39(4):461–6

SECRETION

Postnatal intestinal maturation in rats: alpha-aminoisobutyric acid loss during in vivo, perfusion by hypertonic solutions. Moran JR, et al. **J Dev Physiol** 1983 Aug;5(4):259–66

TOXICITY

Recessive 2-(methylamino)-isobutyrate (MeAIB)-resistant mutant of Chinese hamster ovary cells (CHO-K1) with increased transport through ASC system. Ertsey R, et al. **Somatic Cell Mol Genet** 1984 Mar;10(2):171–82

URINE

Urinary excretion of beta-aminoisobutyrate and pseudouridine in acute and chronic myeloid leukemia. Nielsen HR, et al. **JNCI** 1983 Nov;71(5):887–91

High excretion of beta-aminoisobutyric acid in patients with ketoacidosis. Landaas S, et al. **Scand J Clin Lab Invest** 1983 Feb;43(1):95–7

AMINOLEVULINATE HYDRO-LYASE see **AMINOLEVULINIC ACID DEHYDRATASE**

AMINOLEVULINIC ACID see under **LEVULINIC ACIDS**

AMINOLEVULINIC ACID DEHYDRATASE

ADMINISTRATION & DOSAGE

Enzyme replacement therapy in porphyrias—IV. First successful human clinical trial of delta-aminolevulinate dehydratase-loaded erythrocyte ghosts. Batlle AM, et al. **Int J Biochem** 1983;15(10):1261–5

ANALYSIS

[N-terminal sequence of a porphobilinogen synthase] Lingner B, et al. **Z Naturforsch [C]** 1983 Nov–Dec; 38(11–12):1059–61 (Eng. Abstr.) **(Ger)**

[Role of Zn in delta-aminolevulinic acid dehydratase] Yoshinaga T. **Tanpakushitsu Kakusan Koso** 1983 Jul;(26 Suppl):273–86 (49 ref.) **(Jpn)**

ANTAGONISTS & INHIBITORS

Inhibition of delta-aminolevulinate dehydratase in trichloroethylene-exposed rats, and the effects on heme regulation. Fujita H, et al. **Biochim Biophys Acta** 1984 Jul 16;800(1):1–10

The in vivo effects of manganese and zinc on delta-aminolevulinic acid dehydratase activity inhibited by lead. Chiba M, et al. **Toxicol Lett** 1984 Feb;20(2):143–7

Inhibition of delta-aminolevulinic acid dehydratase by trichloroethylene. Koizumi A, et al. **Toxicology** 1984 Mar; 30(2):93–102

Cytochrome P-450 system dependent depression of delta-aminolevulinic acid dehydratase activity by bromobenzene in rats. Koizumi A, et al. **Toxicology** 1984 Jul;32(1):1–10

BIOSYNTHESIS

In situ assay for 5-aminolevulinate dehydratase and application to the study of a catabolite repression-resistant Saccharomyces cerevisiae mutant. Borralho LM, et al. **J Bacteriol** 1983 Oct;156(1):141–7

BLOOD

Comparison of the in vivo and in vitro effects of lead on the pH-activity relationship of human erythrocytic delta-aminolaevulinic acid dehydratase. Farant JP, et al. **Br J Ind Med** 1984 Aug;41(3):406–11

Lead and zinc concentrations in plasma, erythrocytes, and urine in relation to ALA-D activity after intravenous infusion of Ca-EDTA. Ishihara N, et al. **Br J Ind Med** 1984 May;41(2):235–40

Porphobilinogen synthase (delta-aminolevulinic acid dehydratase) activity in human erythrocytes: reactivation by zinc and dithiothreitol depending on influence of storage. Geisse S, et al. **Clin Chim Acta** 1983 Dec 15; 135(2):239–45

PbB and ALAD in mentally retarded and normal children. Telišman S, et al. **Int Arch Occup Environ Health** 1983; 52(4):361–9

Lead poisoning as a toxogenetic disease. Doss M, et al. **Klin Wochenschr** 1984 May 2;62(9):430–1

The in vitro effects of zinc and manganese on delta-aminolevulinic acid dehydratase activity inhibited by lead or tin. Chiba M, et al. **Toxicol Appl Pharmacol** 1984 May;73(3):388–94

Blood lead, delta-aminolevulinic acid dehydratase and free erythrocyte porphyrins in normal cattle. Ruhr LP. **Vet Hum Toxicol** 1984 Apr;26(2):105–7

[Erythrocyte delta-aminolevulinic acid dehydratase activity in patients with polychlorobiphenyl poisoning] Lu FJ, et al. **Taiwan I Hsueh Hui Tsa Chih** 1984 Jan;83(1):27–33 (Eng. Abstr.) **(Chi)**

[Inhibition rate of gamma-aminolevulinic acid dehydratase activity in erythrocytes as a reliable index for individual workers of low lead exposure] Hirano H, et al. **Sangyo Igaku** 1983 Sep;25(5):432–7 (Eng. Abstr.) **(Jpn)**

[Delta-aminolevulinic acid dehydratase (ALAD) activity in red blood cells in different ages (2nd report). An elucidation of the factors decreasing ALAD activity by aging of rabbit's red blood cells] Hirano H, et al. **Sangyo Igaku** 1983 Nov;25(6):503–9 (Eng. Abstr.) **(Jpn)**

[Sex differences in the activities of delta-aminolevulinic acid dehydratase in human erythrocytes] TOmokuni K. **Sangyo Igaku** 1983 Jul;25(4):274–5 **(Jpn)**

[Evaluation of the usefulness of erythrocyte enzymes in exposure to low levels of lead] Lembas-Bogaczyk J, et al. **Przegl Lek** 1983;40(6):533–5 (Eng. Abstr.) **(Pol)**

[Changes in delta-aminolevulinic acid dehydratase activity of the erythrocytes of workers under different levels of lead exposure] Semenova LS, et al. **Gig Tr Prof Zabol** 1983 Aug;(8):17–9 (Eng. Abstr.) **(Rus)**

[Use of aminolevulinic acid dehydratase in the diagnosis of lead poisoning] Colmenero Castillo JD, et al. **Med Clin (Barc)** 1983 Dec 10;81(19):850–2 (Eng. Abstr.) **(Spa)**

[Diagnosis of lead poisoning: evaluation of erythrocyte ALA-D enzyme activity in relation to the base levels of lead in blood and urine] Sánchez Sánchez ML, et al. **Rev Clin Esp** 1983 Jul 15–31;170(1–2):13–6 (Eng. Abstr.) **(Spa)**

DEFICIENCY

Lead poisoning in inherited delta-aminolevulinic acid dehydratase deficiency. Doss M, et al. **Int Arch Occup Environ Health** 1984;54(1):55–63

GENETICS

Assignment of the human gene for delta aminolevulinate dehydrase to chromosome 9 by somatic cell hybridization and specific enzyme immunoassay. Beaumont C, et al. **Ann Hum Genet** 1984 May;48 (Pt 2):153–9

[Gene frequency of delta-aminolevulinate dehydratase (E.C. 4.2.1.24) in a West German population] Juli E, et al. **Anthropol Anz** 1983 Dec;41(4):309–11 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

An immunological study of delta-aminolevulinic acid dehydratase specificity consistent with the phylogeny of species. Chang CS, et al. **Biochim Biophys Acta** 1984 Mar 1;797(3):297–301

METABOLISM

Affinity labelling of 5-aminolevulinic acid dehydratase with 2-bromo-3-(5-imidazolyl)propionic acid. Beyersmann D, et al. **Biochim Biophys Acta** 1984 Jul 31;788(2):162–6

Induction of delta-aminolevulinic acid dehydratase in mouse Friend virus-transformed erythroleukemia cells during erythroid differentiation. Chang CS, et al. **Blood** 1984 Jul; 64(1):64–70

Effects of zinc, copper, and lead toxicity on delta-aminolevulinic acid dehydratase activity. Rehman S. **Bull Environ Contam Toxicol** 1984 Jul;33(1):92–8

Lead toxicity in the pregnant rat. II. Effects of low-level lead on delta-aminolevulinic acid dehydratase activity in maternal and fetal blood or tissue. Hayashi M. **Ind Health** 1983;21(3):127–35

Porphobilinogen synthase modification with methylmethanethiosulfonate. A protocol for the investigation of metalloproteins. Jaffe EK, et al. **J Biol Chem** 1984 Apr 25;259(8):5032–6

Zinc and cadmium in 5-aminolevulinic acid dehydratase. Equilibrium, kinetic, and 113Cd-nmr-studies. Sommer R, et al. **J Inorg Biochem** 1984 Feb;20(2):131–45

AMINOLEVULINIC ACID SYNTHETASE

ANALYSIS

The effects of metalloporphyrins, porphyrins and metals on the activity of delta-aminolevulinic acid synthase in monolayers of chick embryo liver cells. Schoenfeld N, et al. **Biochem Pharmacol** 1984 Sep 1;33(17):2783–8

Effect of stanozolol on delta-aminolaevulinic acid synthase and hepatic monooxygenase activity in man and rat. Thompson GG, et al. **Eur J Clin Pharmacol** 1984; 26(5):587–90

ANTAGONISTS & INHIBITORS

Effect of cimetidine on delta-aminolevulinic acid synthase and microsomal heme oxygenase in rat liver. Marcus DL,

et al. **Biochem Pharmacol** 1984 Jul 1;33(13):2005–8

Induction of heme oxygenase and inhibition of delta-aminolevulinic acid synthetase of rat liver by thioacetamide and thioacetamide-S-oxide. Matsuura Y, et al. **J Pharmacobiodyn** 1983 May;6(5):340–5

In vivo interaction of lead with aminolevulinic acid dehydratase and induction of a thermolabile factor: an experimental model. Trevisan A, et al. **Toxicol Lett** 1983 Aug;18(1–2):77–81

BIOSYNTHESIS

The effects of insulin and glucose on the induction and intracellular translocation of delta-aminolevulinic acid synthase. DeLoskey RJ, et al. **Arch Biochem Biophys** 1984 Aug 15;233(1):64–71

Inhibition by hemin of in vitro translocation of chicken liver delta-aminolevulinate synthase into mitochondria. Hayashi N, et al. **Biochem Biophys Res Commun** 1983 Sep 15; 115(2):700–6

Biogenesis of mitochondrial proteins. Regulation of production of delta-aminolaevulinate synthase by haemin in embryonic-chick liver. Ades IZ, et al. **Biochem J** 1983 Sep 15;214(3):967–74

Increased glutathione in cultured hepatocytes associated with induction of cytochrome P-450. Lack of effect of glutathione depletion on induction of cytochrome P-450 and delta-aminolevulinate synthase. Shedlofsky SI, et al. **Biochem Pharmacol** 1984 May 1;33(9):1487–91

Effect of glucose on the induction of delta-aminolevulinic acid synthase and ferrochelatase in isolated rat hepatocytes by allylisopropylacetamide. Cánepa ET, et al. **Biochim Biophys Acta** 1984 May 22;804(1):8–15

delta-Aminolevulinate synthase induction: which mechanism in liver cirrhosis? [letter] Antoniello S, et al. **Gastroenterology** 1984 Jun;86(6):1630–1

BLOOD

Hepatic enzyme induction and leucocyte delta-aminolaevulinic acid synthase activity: studies with carbamazepine. Rapeport WG, et al. **Br J Clin Pharmacol** 1983 Aug;16(2):133–7

GENETICS

Hemin inhibits transfer of pre-delta-aminolevulinate synthase into chick embryo liver mitochondria. Srivastava G, et al. **Biochem Biophys Res Commun** 1983 Nov 30;117(1):344–9

Plasmid-mediated complementation of a delta-aminolevulinic-acid-requiring Saccharomyces cerevisiae mutant. Bard M, et al. **Gene** 1984 May; 28(2):195–9

ISOLATION & PURIFICATION

Relation of the extra-sequence of the precursor form of chicken liver delta-aminolevulinate synthase to its quaternary structure and catalytic properties. Watanabe N, et al. **Arch Biochem Biophys** 1984 Jul;232(1):118–26

Isolation and properties of 5-aminolevulinate synthase from the yeast Saccharomyces cerevisiae. Volland C, et al. **Eur J Biochem** 1984 Aug 1;142(3):551–7

METABOLISM

Diabetes-induced metabolic alterations in heme synthesis and degradation and various heme-containing enzymes in female rats. Bitar M, et al. **Diabetes** 1984 Jan;33(1):37–44

Effect of heme on the activity of chick embryo liver mitochondrial delta-aminolevulinate synthase. Pirola BA, et al. **FEBS Lett** 1984 Jan 30;166(2):298–300

Effect of NiCl2, CoCl2 & cycloheximide on microsomal drug metabolism & ALA-synthetase during thiodemeton toxicity. Fawade MM, et al. **Indian J Exp Biol** 1983 Jun; 21(6):343–6

Mechanism of the activation of delta-aminolevulinate synthetase in Rhodopseudomonas spheroides by rat liver mitochondrial fraction. Yamanishi T, et al. **J Biochem (Tokyo)** 1983 Jul;94(1):181–8

[Mechanism of the transport of cytoplasmically synthesized mitochondrial enzymes] Tsuboi S. **Seikagaku** 1983 Nov; 55(11):1317–23 (96 ref.) **(Jpn)**

URINE

Effect of prolonged fasting on heme metabolism in the rat. Lahav M, et al. **Isr J Med Sci** 1984 Mar;20(3):191–6

6-AMINONICOTINAMIDE see under **NICOTINAMIDE**

AMINOOXYACETIC ACID see under **ACETIC ACIDS**

AMINOPEPTIDASES

Porcine liver aminopeptidase. Further characterization of its sulfhydryl groups. Imamura T, et al. **J Biochem (Tokyo)** 1983 Jul;94(1):267–73

Substrate specificity of aminopeptidase M: evidence that the commercial preparation is contaminated by dipeptidyl aminopeptidase IV and prolidase. Yoshimoto T, et al. **J Biochem (Tokyo)** 1983 Aug;94(2):619–22

ANALYSIS

Studies on aminopeptidase activity in acute non-lymphocytic leukemia. The relation to peroxidase reaction. Nemoto K, et al. **Acta Pathol Jpn** 1983 May;33(3):495–9

Heterogeneous distribution of enkephalin-degrading peptidases between neuronal and glial cells. Horsthemke B, et al. **Biochem Biophys Res Commun** 1983 Sep 15; 115(2):423–9

Proteolytic activities in plasma membrane preparations from rat liver. 2. Partial purification and characterization of membrane bound endopeptidases, dipeptidyl-aminopeptidase IV and aminopeptidase. Schön E. **Biomed Biochim Acta** 1983;42(5):451–64

Staining of cystyl aminopeptidase ('oxytocinase') isoenzymes on polyacrylamide gels [letter] Gopalaswamy G, et al. **Clin Chem** 1984 Jun;30(6):1115–6

Fetal forms of oligoaminopeptidase, dipeptidylaminopeptidase IV, and sucrase in human intestine and meconium. Auricchio S, et al. **J Pediatr Gastroenterol Nutr** 1984;3(1):28–36

Possible diagnostic value of aminopeptidases detected by chromogenic substrates in Enterobacteriaceae. Giammanco G, et al. **Microbiologica** 1983 Oct;6(4):355–8

Aminopeptidases of the rat prostatic complex and seminal vesicles: secretion and effect of castration. Vanha-Perttula T, et al. **Mol Cell Endocrinol** 1983 Oct;32(2–3):195–204

[Cystine aminopeptidase activity is not a marker of ovarian adenocarcinoma] Perrault C, et al. **Ann Biol Clin (Paris)** 1983;41(3):222–3 **(Fre)**

ANTAGONISTS & INHIBITORS

Biosynthetic studies of arphamenines A and B. Ohuchi S, et al. **J Antibiot (Tokyo)** 1984 May;37(5):518–21

Arphamenines A and B, new inhibitors of aminopeptidase B, produced by bacteria. Umezawa H, et al. **J Antibiot (Tokyo)** 1983 Nov;36(11):1572–5

Inhibition of aminopeptidases by amastatin and bestatin derivatives. Effect of inhibitor structure on slow-binding processes. Rich DH, et al. **J Med Chem** 1984 Apr; 27(4):417–22

Inhibition of a membrane-bound enkephalin-degrading aminopeptidase by bestatin analogs. Shimamura M, et al. **J Neurochem** 1984 Sep;43(3):888–90

Bidentate peptides: highly potent new inhibitors of enkephalin degrading enzymes. Bouboutou R, et al. **Life Sci** 1984 Aug 27;35(9):1023–30

Leucinal inhibits brain aminopeptidase activity and potentiates analgesia induced by leu-enkephalen. Davis KR, et al. **Pharmacol Biochem Behav** 1983 Nov;19(5):791–4

Selective inhibition of multimolecular forms of human serum and placental oxytocinase activity by prostaglandins and cyclic GMP. Roy AC, et al. **Prostaglandins Leukotrienes Med** 1984 Apr;14(1):105–11

BIOSYNTHESIS

Biosynthesis of intestinal microvillar proteins. The effect of swainsonine on post-translational processing of aminopeptidase N. Danielsen EM, et al. **Biochem J** 1983 Nov 15;216(2):325–31

Biosynthesis of intestinal microvillar proteins. Further characterization of the intracellular processing and transport. Danielsen EM, et al. **FEBS Lett** 1984 Jan 23; 166(1):28–32

BLOOD

Cystyl aminopeptidase in maternal serum for the antenatal recognition of fetal growth retardation. Gopalaswamy G, et al. **Aust NZ J Obstet Gynaecol** 1983 May;23(2):79–84

A family with a high serum aminopeptidase (microsomal) activity: properties of the enzyme from serum of the propositus. Hiwada K, et al. **Clin Chem** 1984 Feb; 30(2):222–5

A specific kinetic assay for tripeptide aminopeptidase in serum. Kanda S, et al. **Clin Chem** 1984 Jun;30(6):843–6

The combined action of two enzymes in human serum can mimic the activity of cathepsin B. Mort JS, et al. **Clin Chim Acta** 1984 Jul 16;140(2):173–82

Value of the determination of oxytocinase in monitoring late pregnancy. Klimek R, et al. **Ginekol Pol** 1984 Feb; 55(2):101–7

Aminopeptidases from human leucocytes. Rautenberg W, et al. **Hoppe Seylers Z Physiol Chem** 1984 Jan;365(1):49–58

[Chorionic gonadotropin and oxytocinase in the 2d and 3d trimester of multiple pregnancies] Donát J, et al. **Cesk Gynekol** 1983 Nov;48(9):638–42 (Eng. Abstr.) **(Cze)**

[Assay of cystine aminopeptidase activity on a centrifuge analyser] Perrault C, et al. **Ann Biol Clin (Paris)** 1983; 41(4):273–6 (Eng. Abstr.) **(Fre)**

[Significance of the determination of alanine aminopeptidase and alkaline phosphatase in serum in the detection of osseous osteoplastic metastases] Gärtner C, et al. **Radiobiol Radiother (Berl)** 1983;24(3):331–3 (Eng. Abstr.) **(Ger)**

[Methods of serum enzyme determination and its clinical significance: cystine aminopeptidase] Kumasaka K, et al. **Rinsho Byori** 1983 Jun;Suppl 55:156–66 **(Jpn)**

GENETICS

Assignment of the human gene for peptidase E to the chromosomal region 17q23——17qter. Wilson D, et al. **Ann Hum Genet** 1984 Jan;48 (Pt 1):43–8

Linkage relationships of peptidase-7, Pep-7, in the mouse. Peters J, et al. **Biochem Genet** 1983 Aug;21(7–8):801–7

Synthesis and maturation of the yeast vacuolar enzymes carboxypeptidase Y and aminopeptidase I. Distel B, et al. **Biochim Biophys Acta** 1983 Oct 13;741(1):128–35

Overproduction of Salmonella typhimurium peptidase T. Strauch KL, et al. **J Bacteriol** 1983 Nov;156(2):743–51

Structure and biosynthesis of aminopeptidases. Maroux S, et al. **Methods Enzymol** 1983;96:406–23

Cloning and orientation of the gene encoding aminopeptidase N in Escherichia coli. Bally M, et al. **MGG** 1984; 195(3):507–10

Physical mapping of the gene for aminopeptidase N in Escherichia coli K12. Bally M, et al. **MGG** 1984; 193(1):190–1

ISOLATION & PURIFICATION

Differentiation of endopeptidases and aminopeptidases by high-performance liquid chromatography of reaction products from chromogenic peptide p-nitroanilines as substrates. Kuwada M, et al. **Anal Biochem** 1984 Jun; 139(2):438–43

Purification and characterization of enkephalin-degradating enzymes from calf-brain striatum. van Amsterdam JG, et al. **Biochem Biophys Res Commun** 1983 Sep 15; 115(2):632–41

Purification and characterization of an intracellular N-terminal exopeptidase from Streptococcus durans. Machuga EJ. **Biochim Biophys Acta** 1984 Jul 30; 800(2):127–34

Isolation and characterization of an aminopeptidase from Lactobacillus acidophilus R-26. Machuga EJ, et al. **Biochim Biophys Acta** 1984 Aug 28;789(1):26–36

Proline iminopeptidase: chromatographic demonstration of a single form in human cultured skin fibroblasts, liver and kidney using a fluorimetric assay. Butterworth J, et al. **Clin Chim Acta** 1984 Feb 28;137(2):239–44

Aminopeptidases of the rat prostatic complex and seminal vesicles: separation by gel filtration and chromatofocusing. Vanha-Perttula T, et al. **Int J Biochem** 1983;15(10):1249–54

Purification and characterization of two novel arginine aminopeptidases from Streptococcus mitis ATCC 9811. Hiraoka BY, et al. **J Biochem (Tokyo)** 1983 Oct; 94(4):1201–8

Aminopeptidase and caseinolytic activities of Mycoplasma salivarium. Watanabe T, et al. **Med Microbiol Immunol (Berl)** 1984;172(4):257–64

Structure and biosynthesis of aminopeptidases. Maroux S, et al. **Methods Enzymol** 1983;96:406–23

Purification and characterization of an aminopeptidase from Plasmodium falciparum. Vander Jagt DL, et al. **Mol Biochem Parasitol** 1984 Jan;10(1):45–54

Characterization of three aminopeptidases purified from human placenta. Lampelo S, et al. **Placenta** 1983;4 Spec No:499–513

Purification and characterization of two proteolytic enzymes in the cotyledons of germinating lentils. Guerra H, et al. **Rev Esp Fisiol** 1983 Sep;39(3):283–9

[Pyroglutamyl peptidase] Tsuru D. **Tanpakushitsu Kakusan Koso** 1983 Nov;28(12):1349–54 **(Jpn)**

[Proline iminopeptidase] Yoshimoto T, et al. **Tanpakushitsu Kakusan Koso** 1984 Apr;29(4):317–9 **(Jpn)**

[Affinity chromatography of aminopeptidases] Kolodzeiskaia MV. **Ukr Biokhim Zh** 1983 Sep-Oct;55(5):577–91 (68 ref.) (Eng. Abstr.) **(Rus)**

METABOLISM

Proteolysis in eucaryotic cells: aminopeptidases and dipeptidyl aminopeptidases of yeast revisited. Achstetter T, et al. **Arch Biochem Biophys** 1983 Oct 1;226(1):292–305

Nature of products formed in the vitamin K-dependent carboxylation of synthetic peptides. Decottignies-Le Maréchal P, et al. **Biochem Biophys Res Commun** 1984 Mar 30;119(3):836–40

Reconstitution of a protein into lipid vesicles using natural detergents. Christiansen K, et al. **Biochim Biophys Acta** 1983 Nov 9;735(2):225–33

Distribution and biosynthesis of aminopeptidase N and dipeptidyl aminopeptidase IV in rat small intestine. Miura S, et al. **Biochim Biophys Acta** 1983 Nov 22;761(1):66–75

Neutral peptidase activities in matrix vesicles from bovine fetal alveolar bone and dog osteosarcoma. Hirschman A, et al. **Calcif Tissue Int** 1983 Sep;35(6):791–7

Some properties of aminopeptidase associated with rat brain cortical synaptosomes. Chan WW, et al. **Can J Biochem Cell Biol** 1983 Nov;61(11):1185–90

Quantitative histochemistry of the angiotensinase A (APA) in the renal glomeruli of rats after stimulation of the renin-angiotensin system. Kugler P, et al. **Cytometry** 1984 Jul;5(4):392–5

An evaluation of the role of a pyroglutamyl peptidase, a post-proline cleaving enzyme and a post-proline dipeptidyl amino peptidase, each purified from the soluble fraction of guinea-pig brain, in the degradation of thyroliberin in vitro. Browne P, et al. **Eur J Biochem** 1983 Dec 1; 137(1–2):75–87

Mode of action towards oligopeptides and proteins of hydrolase H, a high-molecular-weight aminoendopeptidase from rabbit skeletal muscle. Nishimura T, et al. **Eur J Biochem** 1983 Dec 1;137(1–2):23–7

Role of intestinal brush border membrane aminopeptidase N in dipeptide transport. Antonov VK, et al. **FEBS Lett** 1984 Jun 11;171(2):227–32

Localization of the thermosensitive X-prolyl dipeptidyl aminopeptidase in the vacuolar membrane of Saccharomyces cerevisiae. Bordallo C, et al. **FEBS Lett** 1984 Jul 23;173(1):199–203

Content and turnover of rat intestinal microvillus membrane aminopeptidase. Effect of methylprednisolone. Miura S, et al. **Gastroenterology** 1983 Dec;85(6):1340–9

Use of arginine aminopeptidase activity in characterization of arginine-utilizing mycoplasmas. Ball HJ, et al. **J Clin Microbiol** 1982 Jan;15(1):28–34

Formation of desTyr dynorphins 5–17 by a purified cytosolic aminopeptidase of rat brain. Berg MJ, et al. **J Neurosci Res** 1984;11(3):313–21

Ultrastructural localization of enzymes involved in the feeding process in Plasmodium chabaudi and Babesia hylomysci. Slomianny C, et al. **J Protozool** 1983 May; 30(2):376–82

Effect of inhibition of neuropeptidases on the pain threshold of mice and rats. Carenzi A, et al. **Neuropharmacology** 1983 Nov;22(11):1315–9

Enkephalin-containing polypeptides are potent inhibitors of enkephalin degradation. Hui KS, et al. **Peptides (Fayetteville)** 1983 Sep-Oct;4(5):639–46

Cleavage of the Arg1-Pro2 bond of bradykinin by a human lung peptidase: isolation, characterization, and inhibition by several beta-lactam antibiotics. Sidorowicz W, et al. **Proc Soc Exp Biol Med** 1984 Apr;175(4):503–9

Effect of various compounds on enkephalin hydrolysis by an aminopeptidase from the thermophiles Thermomonospora fusca ATCC 27730 and Thermus thermophilus ATCC 27634. Weiss B, et al. **Res Commun Chem Pathol Pharmacol** 1983 Jul;41(1):149–55

PHYSIOLOGY

Enkephalin degradation by enkephalinergic neuroblastoma cells. Involvement of angiotensin-converting-enzyme. Palenker J, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Mar; 325(3):214–7

URINE

Electrophoretic variants of alanine aminopeptidase, alkaline phosphatase, and gamma-glutamyltransferase in urine. Jung K, et al. **Clin Chem** 1984 Jun;30(6):856–9

Urinary alanine aminopeptidase and beta 2-microglobulin as measurements of aminoglycoside-associated renal impairment. Trollfors B, et al. **Infection** 1984 Jan–Feb; 12(1):20–2

Enzymuria: a parameter for the assessment of potential nephrotoxicity of cephalosporins. Mondorf AW, et al. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:251–4

Enzymuria of the rat: the preparation of urine for enzyme analysis. Berscheid G, et al. **J Clin Chem Clin Biochem** 1983 Dec;21(12):799–804

Comparative study of alanine-amino-peptidase and gamma-glutamyl-transferase activity in normal Wistar rat urine. Stoykova S, et al. **Lab Anim** 1983 Jul;17(3):246–51

Effect of subtotal nephrectomy on the excretion of urinary alanine aminopeptidase and gamma glutamyltransferase in the male Wistar rat. A long-term study. Stoykova S, et al. **Renal Physiol** 1984 May-Jun;7(3):156–62

[Urinary enzyme excretion in cytostatic and radiotherapy of gynecologic neoplasms] Dreller E, et al. **Radiobiol Radiother (Berl)** 1983;24(3):345–52 (Eng. Abstr.) **(Ger)**

[Urinary enzyme determination and its clinical significance. B. Enzymes derived from the urogenital system. 5. Aminopeptidases (LAP or AAP)] Kanno T, et al. **Rinsho Byori** 1983 Sep;Spec No 56:43–6 **(Jpn)**

AMINOPHENAZONE see AMINOPYRINE

AMINOPHENOLS

Radical formation during autoxidation of 4-dimethylaminophenol and some properties of the reaction products. Eyer P, et al. **Biochem Pharmacol** 1984 Apr 1;33(7):1005–13

BLOOD

[Biopharmaceutical studies of drugs (6). Effect of 2-bromo-isovalerylurea on serum concentrations of O-ethoxybenzamide and N-(beta-hydroxybutyryl)-p-phenetidine in rabbits] Kigasawa K, et al. **Yakugaku Zasshi** 1983 May; 103(5):559–65 (Eng. Abstr.) **(Jpn)**

CHEMICAL SYNTHESIS

The synthesis and mutagenicity of the N-formyl analog of N-hydroxyphenacetin. Corbett MD, et al. **Carcinogenesis** 1983 Dec;4(12):1615–8

METABOLISM

Effects and biotransformation of 4-dimethylaminophenol in man and dog. Klimmek R, et al. **Arch Toxicol** 1983 Aug; 53(4):275–88

Prostaglandin synthase and horseradish peroxidase catalyzed DNA-binding of p-phenetidine. Andersson B, et al. **Carcinogenesis** 1984 Feb;5(2):161–5

Haptenic properties of drug metabolites with ortho- or para-aminophenolic structure. Cirstea M, et al. **Physiologie** 1984 Apr-Jun;21(2):101–9

Kinetics of the formation and secretion of the aniline metabolite 4-aminophenol and its conjugates by isolated rat hepatocytes. Evelo CT, et al. **Xenobiotica** 1984 May; 14(5):409–16

[Biopharmaceutical studies of drugs (7). Inhibitory effect of urea derivatives on de-ethylation of O-ethoxybenzamide and N-(beta-hydroxybutyryl)-p-phenetidine] Kigasawa K, et al. **Yakugaku Zasshi** 1983 May;103(5):566–72 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Decreasing inhibitory potency of prostaglandin synthetase inhibitors during their cooxidative metabolism. Studies on aminophenols, pyrazolon derivatives and 1,3-diphenylisobenzofuran. Baumann J, et al. **Pharmacology** 1983;27(5):267–80

THERAPEUTIC USE

Treatment of cyanide poisoning with 4-dimethylaminophenol (DMAP)—experimental and clinical overview. Weger NP. **Fundam Appl Toxicol** 1983 Sep-Oct;3(5):387–96 (46 ref.)

TOXICITY

Evaluation of the teratogenic potential of the oxidative dyes 6-chloro-4-nitro-2-aminophenol and o-chloro-p-phenylenediamine. Picciano JC, et al. **Food Chem Toxicol** 1984 Feb;22(2):147–9

Results of teratogenicity testing of m-aminophenol in Sprague-Dawley rats. Re TA, et al. **Fundam Appl Toxicol** 1984 Feb;4(1):98–104

Early functional and morphological changes in renal tubular necrosis due to p-aminophenol. Davis JM, et al. **Kidney Int** 1983 Dec;24(6):740–7

The acute intravenous and oral toxicity in mice, rats and guinea-pigs of 4-dimethylaminophenol (DMAP) and its effects on haematological variables. Marrs TC, et al. **Toxicology** 1984 May 14;31(2):165–73

[Long-term effects of aromatic amines and products of their transformation in water on the body] Shtannikov EV, et al. **Gig Sanit** 1983 Sep;(9):19–22 (Eng. Abstr.) **(Rus)**

URINE

Thin layer chromatography of p-aminophenol in urine after mixed exposure to aniline and toluene. Bieniek G, et al. **Br J Ind Med** 1984 May;41(2):272–4

AMINOPHENUROBUTANE see CARBUTAMIDE

AMINOPHYLLINE

Of venous air embolism, aminophylline, and volatile agents [letter] Drummond JC. **Anesthesiology** 1984 Apr;60(4):389

ADMINISTRATION & DOSAGE

Bronchodilator response to oral aminophylline and terbutaline versus aerosol albuterol in patients with chronic obstructive pulmonary disease. Shim CS, et al. **Am J Med** 1983 Oct;75(4):697–701

Intravenous aminophylline in acutely ill patients receiving theophylline [letter] Conway SP, et al. **Br Med J [Clin Res]** 1984 Mar 3;288(6418):715–6

Doses of aminophylline given intravenously in casualty department and resulting serum theophylline concentrations. Munro CS, et al. **Br Med J [Clin Res]** 1984 Aug 11;289(6441):354–5

Rational dosage of intravenous aminophylline for Thai asthmatic children. Tuchinda M, et al. **J Med Assoc Thai** 1984 Mar;67(3):170–5

Extubation of infants with respiratory distress syndrome using aminophylline [letter] Gal P, et al. **J Pediatr** 1984 Mar;104(3):485–6

Equation error [letter] McCormick K. **Pediatrics** 1984 Jul; 74(1):169–70

A system for individualized dosing of intravenous aminophylline using a programmable calculator. Mitsuoka JC, et al. **Pediatrics** 1984 Jan;73(1):64–7

Theophylline: constant-rate infusion predictions. Mesquita CA, et al. **Ther Drug Monit** 1984;6(2):157–63

[Evaluation of a posologic scheme for the continuous intravenous administration of aminophylline] Ferrari M, et al. **Clin Ter** 1983 Aug 15;106(3):175–9 (Eng. Abstr.) **(Ita)**

[Effect of oral aminophylline on the result of the immediate intradermal skin test in asthmatic children--its relation to the serum theophylline level] Watanabe K. **Arerugi** 1983 Sep;32(9):960–9 (Eng. Abstr.) **(Jpn)**

[Effect of the blockaders of alpha-adrenergic and muscarinic receptors and euphylline in chronic obstructive bronchitis] Krasnowska M, et al. **Pneumonol Pol** 1983 Apr; 51(4):209–15 (Eng. Abstr.) **(Pol)**

[Stability and clinical effectiveness of aminophylline in glucose and isotonic NaCl solution] Pietruszewska E, et al. **Pol Tyg Lek** 1983 Mar 14;38(11):337–9 (Eng. Abstr.) **(Pol)**

[Changes in the electrolyte balance and the transmural differential in the potentials of the blood vessel wall during the administration of spironolactone and its combination with euphylline] Erikov VM. **Farmakol Toksikol** 1984 Jan-Feb;47(1):63–7 (Eng. Abstr.) **(Rus)**

[Effect of prolonged intracarotid infusion of euphylline on the brain blood supply and metabolism of cats with intracerebral hemorrhage] Plotnikov MB, et al. **Farmakol Toksikol** 1984 May-Jun;47(3):50–5 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Aminophylline reduces cerebral blood flow velocity in low-birth-weight infants. Rosenkrantz TS, et al. **Am J Dis Child** 1984 May;138(5):489–91

Asthmatic responses to inhaled aminophylline: a report of two cases. Rosenberg M, et al. **Ann Allergy** 1984 Feb; 52(2):97–8

Risk of giving intravenous aminophylline to acutely ill patients receiving maintenance treatment with theophylline. Stewart MF, et al. **Br Med J [Clin Res]** 1984 Feb 11;288(6415):450

Generalised allergic reactions to aminophylline. Thompson PJ, et al. **Thorax** 1984 Aug;39(8):600–3

[Contact allergy to ethylenediamine] van den Berg WH, et al. **Ned Tijdschr Geneeskd** 1983 Oct 1;127(40):1801–2 **(Dut)**

ANALOGS & DERIVATIVES

Overadditive synergism between theophylline, diprophylline and proxyphylline in tracheal smooth muscle relaxation. Kukovetz WR, et al. **Arzneimittelforsch** 1983;33(10):1450–4

Pharmacokinetics and bronchodilatory effect of proxyphylline and theophylline. Rasmussen FV, et al. **Eur J Respir Dis** 1984 Jan;65(1):20–7

Simultaneous determination of diprophylline, proxyphylline and theophylline in serum by reversed-phase high-performance liquid chromatography. Wenk M, et al. **J Chromatogr** 1983 Sep 9;276(2):341–8

Optical resolution, absolute configuration, and activity of the enantiomers of proxyphylline. Selvig K, et al. **J Med Chem** 1983 Oct;26(10):1514–8

Controlled-release theophylline and proxyphylline in asthmatics: a comparative study. Mosbech H, et al. **Pharmatherapeutica** 1984;3(9):626–30

[Asthma therapy. Clinical trial of 2 proxyphylline/ephedrine combinations with immediate and long-term effect] Mirsching G. **ZFA (Stuttgart)** 1983 Oct 31;59(30):1703–5 **(Ger)**

BLOOD

Prolonged storage of aminophylline suppositories. The impact on physical parameters and bioavailability. Tukker JJ, et al. **Pharm Weekbl [Sci]** 1984 Apr 27;6(2):96–8

[Possibilities for optimizing therapy with theophylline preparations. I. On the pharmacokinetics of theophylline preparations] Wiesner B, et al. **Z Erkr Atmungsorgane** 1984; 162(1):3–10 (Eng. Abstr.) **(Ger)**

DIAGNOSTIC USE

[Ceruletide versus aminophylline in the radiologic diagnosis of Oddi's sphincter pathology] Vincenzi M, et al. **G Clin Med** 1983 Jul-Aug;64(7–8):269–77 (Eng. Abstr.) **(Ita)**

[The role of pharmacological tests in the early diagnosis of pulmonary hypertension] Shevchenko RN, et al. **Vrach Delo** 1983 Aug;(8):41–2 (Eng. Abstr.) **(Rus)**

METABOLISM

Maternal-fetal transfer of aminophylline. Ron M, et al. **Acta Obstet Gynecol Scand** 1984;63(3):217–8

Plasma concentrations of theophylline and quinine in healthy volunteers following oral administration of a fixed drug combination. Dieterich HA, et al. **Arzneimittelforsch** 1984; 34(4):520–2

Model for theophylline overdose treatment with oral activated charcoal. Radomski L, et al. **Clin Pharmacol Ther** 1984 Mar;35(3):402–8

Comparison of aminophylline and theophylline sustained-release formulations by their bioavailability and steady-state serum levels. Steinijans VW, et al. **Int J Clin Pharmacol Ther Toxicol** 1983 Dec;21(12):624–30

PHARMACODYNAMICS

Further evidence for the purinergic inhibition of adrenergic neurotransmission in the rat portal vein. Enero MA. **Acta Physiol Lat Am** 1981;31(2):93–103

Effect of caffeine, aminophylline and pentoxifylline on memory processes in mice. Izquierdo JA, et al. **Acta Physiol Lat Am** 1981;31(3):207–9

Effect of aminophylline on adenosine and exercise dilation of rat cremaster arterioles. Mohrman DE, et al. **Am J Physiol** 1984 Apr;246(4 Pt 2):H592–600

Isoproterenol and aminophylline improve contractility of fatigued canine diaphragm. Howell S, et al. **Am Rev Respir Dis** 1984 Jan;129(1):118–24

Effect of aminophylline and caffeine on total and surfactant phospholipid in fetal rabbit lung. Landers S, et al. **Am Rev Respir Dis** 1984 Aug;130(2):204–8

Aminophylline reversal of diazepam sedation. Arvidsson S, et al. **Anaesthesia** 1984 Aug;39(8):806–9

Effect of aminophylline on coronary reactive and functional hyperaemic response in conscious dogs. Radford MJ, et al. **Cardiovasc Res** 1984 Jun;18(6):377–83

In vivo effects of a single infusion of theophylline on human peripheral blood lymphocytes. Pardi R, et al. **Clin Exp Immunol** 1984 Sep;57(3):722–8

The effect of theophyllamine on T-lymphocyte activation in vitro. Bruserud O. **Clin Immunol Immunopathol** 1984 Jul;32(1):111–8

Effect of aminophylline on brain blood flow in the newborn piglet. Stonestreet BS, et al. **Dev Pharmacol Ther** 1983; 6(4):248–58

Comparative response of the heart and coronary vasculature to catecholamines, aminophylline and papaverine. Abel FL. **Eur J Pharmacol** 1984 Mar 2;98(3–4):367–79

The effects of aminophylline on adenosine and ATP actions on sinoatrial conduction in the isolated, blood-perfused dog atrium. Kobayashi M, et al. **Eur J Pharmacol** 1983 Jul 22; 91(2–3):261–5

Pulmonary responses of salbutamol tolerant guinea-pigs to aminophylline and ipratropium bromide. Ward MJ, et al. **Eur J Pharmacol** 1984 Mar 16;99(1):97–102

Adenosine receptors on mouse bone marrow-derived mast cells: functional significance and regulation by aminophylline. Marquardt DL, et al. **J Immunol** 1984 Aug; 133(2):932–7

Pharmacodynamics of the diuretic effects of aminophylline and acetazolamide alone and combined with furosemide in normal subjects. Brater DC, et al. **J Pharmacol Exp Ther** 1983 Oct;227(1):92–7

Potentiation of the antithrombotic effect of prostacyclin by simultaneous administration of aminophylline in a canine model of coronary artery thrombosis. Romson JL, et al. **J Pharmacol Exp Ther** 1983 Nov;227(2):288–94

Diazepam sedation is not antagonised completely by aminophylline [letter] Kleindienst G, et al. **Lancet** 1984 Jan 14;1(8368):113

Aminophylline inhibition of diazepam sedation: is adenosine blockade of GABA-receptors the mechanism? Niemand D, et al. **Lancet** 1984 Feb 25;1(8374):463–4

Effects of fasting and aminophylline on norepinephrine-stimulated non-shivering thermogenesis. Jourdan ML, et al. **Life Sci** 1984 Mar 19;34(12):1101–9

Effect of aminophylline on renal vasoconstriction produced by amphotericin B in the rat. Heidemann HT, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1983 Sep; 324(2):148–52

Both dopaminergic and adrenergic receptors in the brain are involved in the behavioural excitation induced by dibutyryl 3',5'-adenosine monophosphate and aminophylline in the rat. Lin MT, et al. **Neuropharmacology** 1984 Feb; 23(2A):129–35

Mechanism of respiratory effects of methylxanthines. Eldridge FL, et al. **Respir Physiol** 1983 Aug;53(2):239–61

[Effect of aminophylline on the chemical regulation of respiration in healthy persons and in patients with diffuse bronchial stenosis] Biernacki W. **Pneumonol Pol** 1983 Dec; 51(12):617–25 (Eng. Abstr.) **(Pol)**

[Effect of euphyllin on metabolic processes in blood and tissues during experimental pituitrin hypertension] Dunaev VV, et al. **Farmakol Toksikol** 1983 Sep-Oct;46(5):40–4 (Eng. Abstr.) **(Rus)**

POISONING

Aminophylline intoxication. Bazilinski N. **Int J Artif Organs** 1983 Sep;6(5):225–6

THERAPEUTIC USE

Effects of aminophylline on diaphragmatic fatigue during acute respiratory failure. Vires N, et al. **Am Rev Respir Dis** 1984 Mar;129(3):396–402

Intravenous aminophylline in the treatment of acute bronchospastic exacerbations of chronic obstructive pulmonary disease. Seidenfeld JJ, et al. **Ann Emerg Med** 1984 Apr;13(4):248–52

Idiopathic apnoea of prematurity treated with doxapram and aminophylline. Sagi E, et al. **Arch Dis Child** 1984 Mar; 59(3):281–3

Management of the acute asthma attack at home. Bowler S, et al. **Aust Fam Physician** 1983 Sep;12(9):638–41

Phyllocontin in chronic airflow obstruction. Dunn A, et al. **Br J Clin Pract** 1984 Feb;38(2):63–5

Theophylline compounds in patients with reversible airways obstruction. Vernon DR, et al. **Clin Allergy** 1984 Jan; 14(1):69–73

Comparative study of the effects of intravenous administration of aminophylline, salbutamol and terbutaline in patients suffering from reversible airways obstruction. Sahay JN, et al. **Curr Med Res Opin** 1984;9(1):1–6

A comparative trial of choline theophyllinate and controlled release aminophylline in chronic childhood asthma. Helms P, et al. **Eur J Pediatr** 1983 Dec;141(2):89–91

Effect of aminophylline when added to metaproterenol sulfate and beclomethasone dipropionate aerosol. Appel DW. **J Allergy Clin Immunol** 1984 Feb;73(2):291–7

Doxapram in the treatment of idiopathic apnea of prematurity unresponsive to aminophylline. Alpan G, et al. **J Pediatr** 1984 Apr;104(4):634–7

Aminophylline for morning dips in chronic asthma [letter] Manresa F, et al. **Lancet** 1984 Jul 7;2(8393):52

The prevention of respiratory distress syndrome in premature infants: efficacy of antenatal aminophylline treatment versus prenatal glucocorticoid administration. Granati B, et al. **Pediatr Pharmacol (New York)** 1984;4(1):21–4

Essential tremor—successful treatment with aminophylline. A case report. Sandyk R. **S Afr Med J** 1983 Oct 8; 64(16):639

[Efficacy of medical treatment (isoproterenol + aminophylline) of aneurysm rupture spasm] George B, et al. **Neurochirurgie** 1984;30(4):273–6 (Eng. Abstr.) **(Fre)**

[Therapeutic effect of theophylline-ethylenediamines on nocturnal hypoxic attacks associated with the sleep apnea syndrome] Wülker G, et al. **Prax Klin Pneumol** 1984 Jun; 38(6):220–4 (Eng. Abstr.) **(Ger)**

[Comparison of 2 theophylline delayed-action preparations of different galenic forms] Hirsch H. **Wien Med Wochenschr** 1983 Aug 31;133(15–16):403–8 (Eng. Abstr.) **(Ger)**

[Possibilities for optimizing therapy with theophylline preparations. III. Ventilatory effect and pharmacokinetics of 'new' Pulmophyllin] Kandt D, et al. **Z Erkr Atmungsorgane** 1984;162(1):18–25 (Eng. Abstr.) **(Ger)**

[Effect of euphylline on the cyclic nucleotide content and cAMP phosphodiesterase activity of the lymphocytes of bronchial asthma patients] Ialkut SI, et al. **Farmakol Toksikol** 1984 Jan-Feb;47(1):74–7 (Eng. Abstr.) **(Rus)**

[Effect of the adrenaline, euphyllin, phentolamine and obzidan on serotonin bronchospasm in guinea pigs] Zarudil GS, et al. **Farmakol Toksikol** 1983 Sep-Oct;46(5):25–8 (Eng. Abstr.) **(Rus)**

AMINOPROPANOLS see **PROPANOLAMINES**

3-AMINOPROPIONIC ACID see under **ALANINE**

AMINOPROPIONITRILE

ADMINISTRATION & DOSAGE

Effects of topical treatment with beta-aminopropionitrile after radial keratotomy in the rabbit. Moorhead LC, et al. **Arch Ophthalmol** 1984 Feb;102(2):304–7

ANALOGS & DERIVATIVES

Beta-substituted ethylamine derivatives as suicide inhibitors of lysyl oxidase. Tang SS, et al. **J Biol Chem** 1984 Jan 25;259(2):975–9

PHARMACODYNAMICS

The effect of beta-aminoproprionitrile on the periodontal ligament: II. Radioautographic study of collagen secretion from fibroblasts. Cho MI, et al. **Anat Rec** 1984 May; 209(1):41–52

Effect of beta-aminopropionitrile (BAPN) on corneal wound strength. Denlinger D, et al. **Ann Ophthalmol** 1984 Jul; 16(7):625–7

Influence of beta-aminoproprionitrile (BAPN) on cell growth and elastic fiber formation in cultures of auricular chondrocytes. Moskalewski S, et al. **Experientia** 1983 Oct 15;39(10):1147–8

The effect of beta-aminoproprionitrile on the periodontal ligament. I. Ultrastructure of fibroblasts and matrix. Cho MI, et al. **J Periodont Res** 1984 May;19(3):247–60

THERAPEUTIC USE

Enhancement of radial keratotomy by chemical inhibition of collagen cross-linkages: a preliminary report. Kogan LL, et al. **Ann Ophthalmol** 1983 Sep;15(9):842–5

Healing of skin incision wounds treated with topically applied BAPN free base in the rat. Hoffman DL, et al. **Exp Mol Pathol** 1983 Oct;39(2):154–62

AMINOPROPYLISOTHIURONIUM COMPOUNDS see **APT**

AMINOPTERIN

ANALOGS & DERIVATIVES

New folate analogs of the 10-deaza-aminopterin series. Further evidence for markedly increased antitumor efficacy compared with methotrexate in ascitic and solid murine tumor models. Sirotnak FM, et al. **Cancer Chemother Pharmacol** 1984;12(1):26–30

New folate analogs of the 10-deaza-aminopterin series. Basis for structural design and biochemical and pharmacologic properties. Sirotnak FM, et al. **Cancer Chemother Pharmacol** 1984;12(1):18–25

Synthesis and antifolate properties of 10-alkyl-8,10-dideazaminopterins. DeGraw JI, et al. **J Med Chem** 1984 Mar;27(3):376–80

PHARMACODYNAMICS

Inhibition of dihydrofolate reductase from bacterial and vertebrate sources by folate, aminopterin, methotrexate and their 5-deaza analogues. Stone SR, et al. **Biochem Pharmacol** 1984 Jan 15;33(2):175–9

[Study of the effect of 2 inhibitors of nucleotide synthesis, aminopterin and fluorodeoxyuridine, on wild type strains and vestigial mutants in Drosophila melanogaster] Le Menn A, et al. **Biol Cell** 1983;49(3):213–8 (Eng. Abstr.) **(Fre)**

TOXICITY

DNA-mediated cotransfer of excision repair capacity and drug resistance into chinese hamster ovary mutant cell line UV-135. MacInnes MA, et al. **Mol Cell Biol** 1984 Jun; 4(6):1152–8

2-AMINOPURINE see under **ADENINE**

AMINOPYRIDINES

Formation of novel nucleosides from free base and sugar phosphate: aqueous reaction of 2-aminopyrimidine and ribose-5-phosphate. Mace DC. **Biochem Biophys Res Commun** 1983 Nov 30;117(1):93–8

Reexamination of the pyridylamination used for fluorescence labeling of oligosaccharides and its application to glycoproteins. Hase S, et al. **J Biochem (Tokyo)** 1984 Jan; 95(1):197–203

ADMINISTRATION & DOSAGE

Improvement in exercise capacity despite cardiac deteriora tion: nonivasive assessment of long-term therapy with amrinone in severe heart failure. Siegel LA, et al. **Am Heart J** 1983 Nov;106(5 Pt 1):1042–7

Skin test wheal size and erythema not reduced by topical antihistamine. Gibbs CJ, et al. **Br Med J [Clin Res]** 1983 Nov 12;287(6403):1427–8

Amrinone: a promising new cardiotonic agent in the treatment of chronic cardiac failure. Likoff MJ, et al. **Herz** 1983 Aug;8(4):199–205

Non-additive positive inotropic effects of amrinone and ouabain on cat papillary muscles. Brown L, et al. **Klin Wochenschr** 1984 May 2;62(9):390–3

Hemodynamic effects of amrinone in dogs anesthetized with halothane: comparison with isoproterenol and dobutamine. Boncyk J, et al. **Res Commun Chem Pathol Pharmacol** 1984 Jun;44(3):347–54

[Oral and injectable amrinone in cardiac insufficiency] Massabuau P, et al. **Ann Cardiol Angeiol (Paris)** 1984 May-Jun;33(4):223–6 (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

Amrinone-induced thrombocytopenia. Ansell J, et al. **Arch Intern Med** 1984 May;144(5):949–52

The effects of amrinone on platelet count, survival and function in patients with congestive cardiac failure. Wilmshurst PT, et al. **Br J Clin Pharmacol** 1984 Mar; 17(3):317–24

Amrinone-induced hepatotoxicity. Gilman ME, et al. **Clin Pharm** 1984 Jul-Aug;3(4):422–4

Phenazopyridine induced methaemoglobinaemia associated with decreased activity of erythrocyte cytochrome b5 reductase. Daly JS, et al. **J Med Genet** 1983 Aug; 20(4):307–9

Dangers of amrinone [letter] Kark P, et al. **S Afr Med J** 1984 Jul 7;66(1):6

Amrinone-mediated thrombocytopenia. Kinney EL, et al. **Scand J Haematol** 1983 Oct;31(4):376–80

ANALYSIS

Quantitation of flupirtine and its active acetylated metabolite by reversed-phase high-performance liquid chromatography using fluorometric detection. Narang PK, et al. **J Chromatogr** 1984 Jan 13;305(1):135–43

ANTAGONISTS & INHIBITORS

Antagonistic effects of taurine and 4-aminopyridine on guinea pig ileum. Arzate ME, et al. **J Neurosci Res** 1984; 11(3):271–80

BLOOD

Determination of 4-aminopyridine in horse plasma using gas-liquid chromatography. Hendricks HL, et al. **J Chromatogr** 1984 Apr 6;287(2):429–32

CEREBROSPINAL FLUID

Evaluation of 4-aminopyridine and 3,4-diaminopyridine penetrability into cerebrospinal fluid in anesthetized rats. Lemeignan M, et al. **Brain Res** 1984 Jun 18;304(1):166–9

CHEMICAL SYNTHESIS

2,4-Diamino-5-cyano-6-halopyridines: a new class of cyclic AMP phosphodiesterase inhibitors with therapeutic potential. Haën C, et al. **Biochem Pharmacol** 1984 Jul 1; 33(13):2109–13

[Studies on antimalarials. III. Synthesis of 2-(substituted styryl)-4-amino pyridines] Zhang ZX, et al. **Yao Hsueh Hsueh Pao** 1983 Apr;18(4):261–5 (Eng. Abstr.) **(Chi)**

METABOLISM

[3H]mepyramine binding sites in the optic lobe of the locust: autoradiographic and pharmacological studies. Elias MS, et al. **Brain Res** 1984 Mar 5;294(2):359–62

Ocular disposition of topically applied histamine, cimetidine, and pyrilamine in the albino rabbit. Hui HW, et al.

Curr Eye Res 1984 Feb;3(2):321–30

The use of cysteinyl peptides to effect portage transport of sulfhydryl–containing compounds in Escherichia coli. Boehm JC, et al. **J Biol Chem** 1983 Dec 25;258(24):14850–5

Brain uptake indices of guanidine and 4–aminopyridine. Deutsch SI, et al. **Life Sci** 1984 Jun 4;34(23):2279–80

[Experimental and clinical pharmacokinetics of amrinone] Padrini R, et al. **Boll Soc Ital Cardiol** 1982;27(1):103–6 **(Ita)**

PHARMACODYNAMICS

The influence of dantrolene, diazepam, pentobarbital and 4–aminopyridine on shortening induced depression in isolated muscle fibres of the frog. Ekelund MC. **Acta Physiol Scand** 1983 Aug;118(4):317–27

Kinetics of the TEA and 4–AP sensitive K+ current in the slowly adapting lobster stretch receptor neurone. Gestrelius S, et al. **Acta Physiol Scand** 1983 Jun;118(2):125–34

Effects of amrinone on twitch, tetanus and force–velocity relationship in frog skeletal muscle. Månsson A, et al. **Acta Physiol Scand** 1984 Mar;120(3):473–5

Acepromazine–xylazine combination in dogs: antagonism with 4–aminopyridine and yohimbine. Cronin MF, et al. **Am J Vet Res** 1983 Nov;44(11):2037–42

Comparison of five preanesthetic medicaments in pentobarbital–anesthetized dogs: antagonism by 4–aminopyridine, yohimbine, and naloxone. Hatch RC, et al. **Am J Vet Res** 1983 Dec;44(12):2312–9

Antagonism of xylazine and ketamine anesthesia by 4–aminopyridine and yohimbine in geldings. Kitzman JV, et al. **Am J Vet Res** 1984 May;45(5):875–9

Electrocardiographic changes induced by amrinone in the isolated perfused guinea–pig Langendorff heart preparation. Onuaguluchi G, et al. **Arch Int Pharmacodyn Ther** 1983 Aug;264(2):263–73

The role of a noradrenergic system in the antinociceptive effects of 4–aminopyridine in the rat. Rupreht J, et al. **Arch Int Pharmacodyn Ther** 1983 Oct;265(2):203–10

The effect of 4–aminopyridine on the frequency–force relationship of isolated left atria of guinea–pigs. Savage AO. **Arch Int Pharmacodyn Ther** 1984 Mar;268(1):122–7

Hemodynamic effects of high dosages of verapamil and the lack of protection by 4–aminopyridine in the rabbit. Wesseling H, et al. **Arch Int Pharmacodyn Ther** 1983 Nov; 266(1):106–12

Effect of histamine receptor antagonists and indomethacin on implantation in the rabbit. Hoos PC, et al. **Biol Reprod** 1983 Nov;29(4):833–840

Side effects of amrinone therapy. LeJemtel TH. **Br Heart J** 1983 Nov;50(5):499–500

Comparison of the effects of amrinone and sodium nitroprusside on haemodynamics, contractility, and myocardial metabolism in patients with cardiac failure due to coronary artery disease and dilated cardiomyopathy. Wilmshurst PT, et al. **Br Heart J** 1984 Jul;52(1):38–48

Effects of histamine and the histamine antagonists mepyramine and cimetidine on human coronary arteries in vitro. Godfraind T, et al. **Br J Pharmacol** 1983 Aug; 79(4):979–84

Effects of amrinone on the transmembrane action potential of rabbit sinus node pacemaker cells. Kodama I, et al. **Br J Pharmacol** 1983 Nov;80(3):511–7

Strontium, nifedipine and 4–aminopyridine modify the time course of the action potential in cells from rat ventricular muscle. Mitchell MR, et al. **Br J Pharmacol** 1984 Mar; 81(3):551–6

An ultrastructural study of presynaptic membrane specializations in sympathetic ganglia of 4–aminopyridine treated guinea pigs and rats. Forsman CA, et al. **Brain Res** 1983 Dec 5;280(2):355–60

Effects of 4–aminopyridine on calcium action potentials and calcium current under voltage clamp in spinal neurons. Rogawski MA, et al. **Brain Res** 1983 Nov 28;280(1):180–5

Actions of 4–aminopyridine on mammalian ganglion cells. Simmons MA, et al. **Brain Res** 1984 Apr 23;298(1):149–53

Effects of histamine antagonists injected in the preoptic–anterior hypothalamic area on the prolactin surge induced by estrogen in ovariectomized rats. Alvarez EO. **Brain Res Bull** 1984 Jan;12(1):11–5

Responses of isolated dog arteries to amrinone. Toda N, et al. **Cardiovasc Res** 1984 Mar;18(3):174–82

Inotropic and vasodilator effects of amrinone on isolated human tissue. Wilmshurst PT, et al. **Cardiovasc Res** 1984 May;18(5):302–9

Calcium–dependent 4–aminopyridine stimulation of protein phosphorylation in squid optic lobe synaptosomes. Pant HC, et al. **Cell Mol Neurobiol** 1983 Sep;3(3):223–38

Developmental changes in the interactions of amrinone and ouabain in canine ventricular muscle. Binah O, et al. **Dev Pharmacol Ther** 1983;6(5):333–46

Amrinone. A preliminary review of its pharmacological properties and therapeutic use. Ward A, et al. **Drugs** 1983 Dec;26(6):468–502 (91 ref.)

The effect of some new aminopyridines on mammalian non–myelinated nerve fibres. Den Hertog A, et al. **Eur J Pharmacol** 1983 Oct 28;94(3–4):353–5

Improvement of 8–arm maze performance in aged Fischer 344 rats with 3,4–diaminopyridine. Davis HP, et al. **Exp Aging Res** 1983 Fall;9(3):211–4

4–Aminopyridine–induced ultrastructural alterations of pinched–off nerve terminals from rat cerebral cortex. Mihály A, et al. **Exp Brain Res** 1984;54(2):385–9

Histamine antagonists modify systemic digoxin cardiotoxicity by their central action. Tripathi KD, et al. **Indian J Med Res** 1984 Feb;79:284–9

Aging and 3,4–diaminopyridine alter synaptosomal calcium uptake. Peterson C, et al. **J Biol Chem** 1983 Oct 10; 258(19):11482–6

Characterization of the cardiotonic effects of milrinone, a new and potent cardiac bipyridine, on isolated tissues from several animal species. Alousi AA, et al. **J Cardiovasc Pharmacol** 1983 Sep–Oct;5(5):804–11

Electrical and mechanical effects of amrinone on isolated guinea pig ventricular muscle. Kondo N, et al. **J Cardiovasc Pharmacol** 1983 Nov–Dec;5(6):903–12

Electrophysiological actions of amrinone in dogs with cardiac lesions. Piwonka RW, et al. **J Cardiovasc Pharmacol** 1983 Nov–Dec;5(6):1052–7

In vitro electrophysiologic properties of amrinone in mammalian cardiac tissue. Piwonka RW, et al. **J Cardiovasc Pharmacol** 1983 Nov–Dec;5(6):1058–67

Positive inotropic action of amrinone: effect of elevated external Ca2+. Rendig SV, et al. **J Cardiovasc Pharmacol** 198? Mar–Apr;6(2):293–9

Responses to amrinone in isolated cardiac muscles from cat, rabbit, and guinea pig. Siegl PK, et al. **J Cardiovasc Pharmacol** 1984 Mar–Apr;6(2):281–7

Synaptosomal calcium metabolism during hypoxia and 3,4–diaminopyridine treatment. Peterson C, et al. **J Neurochem** 1984 Jan;42(1):248–53

Molecular basis for the cardiovascular activities of amrinone and AR–L57. Hayes JS, et al. **J Pharmacol Exp Ther** 1984 Jul;230(1):124–32

Effects of 4–aminopyridine and tetraethylammonium chloride on the electrical activity and cable properties of canine tracheal smooth muscle. Kannan MS, et al. **J Pharmacol Exp Ther** 1983 Dec;227(3):706–15

Effects of several aminopyridines and analogs on the calcium dependence of synaptic transmission. Matsumoto M, et al. **J Pharmacol Exp Ther** 1984 Mar;228(3):573–8

Synaptic transmission in low extracellular calcium is preserved by 3,4–diaminopyridine. Matsumoto M, et al. **J Pharmacol Exp Ther** 1983 Oct;227(1):16–21

Effects of 4–aminopyridine and 3,4–diaminopyridine on transmitter release at the neuromuscular junction. Thomsen RH, et al. **J Pharmacol Exp Ther** 1983 Oct;227(1):260–5

Synaptic facilitatory and depressant actions of 3,4–diaminopyridine: correlation with anticurare properties. Riker WK, et al. **Jpn J Pharmacol** 1983 Dec; 33(6):1183–9

The inhibitory action of PGF2 alpha on release of [3H]noradrenaline enhanced by alpha 2–adrenoceptor blockade, sodium–pump inhibition and 4–aminopyridine in the main pulmonary artery of the rabbit. Török TL, et al. **Neuropharmacology** 1984 Jan;23(1):37–41

The action of aminopyridine on the electromotor synapse of Torpedo marmorata. Erdélyi L. **Neurosci Lett** 1983 Sep 9;39(3):291–4

Pulmonary vascular effects of amrinone in conscious lambs. Mammel MC, et al. **Pediatr Res** 1983 Sep;17(9):720–4

Inversion of the metabolic zonation of rat liver parenchyma by methapyrilene treatment. Fischer W, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:421–4

Blockade of the acetylcholine–and histamine–induced changes in the permeability of the blood–brain barrier of normotensive and spontaneously hypertensive rats by atropine and pyrilamine. Domer FR, et al. **Res Commun Chem Pathol Pharmacol** 1983 Oct; 42(1):157–60

Effect of amrinone on sodium–calcium exchange in cardiac sarcolemmal vesicles. Mallov S. **Res Commun Chem Pathol Pharmacol** 1983 Aug; 41(2):197–210

Effect of mepyramine on the untoward side–effects of impromidine. Bank L, et al. **S Afr Med J** 1984 Aug 18; 66(7):262–4

[Antagonism of 4–aminopyridine on the central nervous system depressant effects of scopolamine in rabbits] Xu JH, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Mar;5(1):8–11 (Eng. Abstr.) **(Chi)**

[Comparative antiallergic and anti–inflammatory action of F1865, mepyramine maleate, desonide and disodium cromoglycate after cutaneous administration] Tarayre JP, et al. **J Pharmacol** 1984 Jan–Mar;15(1):37–51 (Eng. Abstr.) **(Fre)**

[Antagonistic effects of neostigmine, 4–aminopyridine and 3,4–diaminopyridine on muscle relaxing effects of d–tubocurarine] Fukushima K, et al. **Masui** 1983 Oct; 32(10):1236–40 (Eng. Abstr.) **(Jpn)**

[Dantrolene sodium–induced depression of skeletal muscle tension and its antagonists] Fukushima K, et al. **Masui** 1983 May;32(5):559–64 (Eng. Abstr.) **(Jpn)**

[Predominant blocking of fast potassium current channels in mollusk neurons by 4–aminopyridine] Vislobokoe AI, et al. **Fiziol Zh SSSR** 1983 Nov;69(11):1420–6 (Eng. Abstr.) **(Rus)**

POISONING

Treatment of 4–aminopyridine–poisoning after oral overdose; a proposal. Uges DR, et al. **Pharm Acta Helv** 1984; 59(5–6):172–6

Transient renal failure following phenazopyridine overdose. Rule KA, et al. **Urology** 1984 Aug;24(2):178–9

THERAPEUTIC USE

Amrinone: acute electrophysiologic and hemodynamic effects in patients with congestive heart failure. Naccarelli GV, et al. **Am J Cardiol** 1984 Sep 1;54(6):600–4

Comparative actions of hydralazine, nifedipine and amrinone in primary pulmonary hypertension. Rich S, et al. **Am J Cardiol** 1983 Nov 1;52(8):1104–7

Caution of use of 4–aminopyridine [letter] Cozanitis DA, et al. **Am J Hosp Pharm** 1983 Oct;40(10):1620, 1622

Amrinone therapy in patients with heart failure. Lack of improvement in functional capacity and left ventricular function at rest and during exercise. Johnston DL, et al. **Chest** 1984 Sep;86(3):394–400

Chronic oral amrinone therapy in congestive heart failure: a double–blind placebo–controlled withdrawal study. Evans JR, et al. **Int J Clin Pharmacol Res** 1984;4(1):9–18

Amrinone in the treatment of chronic cardiac failure. Likoff MJ, et al. **J Am Coll Cardiol** 1984 May;3(5):1282–90

Effective treatment of verapamil intoxication with 4–aminopyridine in the cat. Agoston S, et al. **J Clin Invest** 1984 May;73(5):1291–6

Effects of 4–aminopyridine in patients with multiple sclerosis. Jones RE, et al. **J Neurol Sci** 1983 Aug–Sep;60(3):353–62

Amrinone in severe congestive heart failure: another look at an intriguing new cardioactive drug. Hermiller JB, et al. **J Pharmacol Exp Ther** 1984 Feb;228(2):319–26

Effects of 4–aminopyridine in elderly patients with Alzheimer's disease [letter] Wesseling H, et al. **N Engl J Med** 1984 Apr 12;310(15):988–9

[Rohypnol poisoning as a cause of postanesthetic coma and the success of 4–aminopyridine therapy] Schmutzler S, et al. **Anaesthesist** 1984 Jun;33(6):294–5 (Eng. Abstr.) **(Ger)**

[Amrinone, a new cardiotonic agent] Taira N. **Nippon Rinsho** 1983 Dec;41(12):2691–7 (18 ref.) **(Jpn)**

TOXICITY

Studies with specific agonists and antagonists of the role of histamine H1– and H2–receptor activation in the pathogenesis of gastric lesions in rats. Del Soldato P. **Agents Actions** 1984 Feb;14(2):139–42

Altered distribution of hexokinase and glucokinase between parenchymal and nonparenchymal cells of rat liver after methapyrilene intoxication. Fischer W, et al. **Biochem Biophys Res Commun** 1983 Sep 30;115(3):1090–5

Methapyrilene is inactive in the hepatocyte–mediated Chinese hamster ovary/hypoxanthine–guanine phosphoribosyl transferase mutational assay. Casciano DA, et al. **Cancer Lett** 1984 Jan;21(3):337–41

Effect of oral amrinone on platelet function and survival. Brandt JT, et al. **Clin Pharmacol Ther** 1984 Aug;36(2):260–4

Chronic toxicity tests of pyrilamine maleate and methapyrilene hydrochloride in F344 rats. Lijinsky W. **Food Chem Toxicol** 1984 Jan;22(1):27–30

Early stages of chemically induced liver carcinogenesis by oral administration of the antihistaminic methapyrilene hydrochloride. Fischer G, et al. **J Cancer Res Clin Oncol** 1983;106(1):53–7

Failure of methapyrilene to induce tumors in hamsters or guinea pigs. Lijinsky W, et al. **J Toxicol Environ Health** 1983 Oct–Dec;12(4–6):653–7

A sequential study of methapyrilene hydrochloride–induced liver carcinogenesis in male F344 rats. Ohshima M, et al. **JNCI** 1984 Mar;72(3):759–68

Sequential morphologic changes during methapyrilene–induced hepatocellular carcinogenesis in rats. Reznik–Schüller HM, et al. **JNCI** 1983 Nov; 71(5):1021–31

A study of the potential genotoxicity of methapyrilene and related antihistamines using the hepatocyte/DNA repair assay. Budroe JD, et al. **Mutat Res** 1984 Feb;135(2):131–7

Neoplastic conversion in rat liver by the antihistamine methapyrilene demonstrated by a sequential syncarcinogenic effect with N–2–fluorenylacetamide. Furuya K, et al. **Toxicol Appl Pharmacol** 1984 Jun 15; 74(1):63–9

AMINOPYRINE

ADMINISTRATION & DOSAGE

[Changes in physiochemical properties of shelved oleaginous suppository bases: the effects on indomethacin, aminopyrine and sulpyrine release rates] Ejima A, et al. **Eisei Shikenjo Hokoku** 1983;(101):75–9 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Contact urticaria from aminophenazone. Lombardi P, et al. **Contact Dermatitis** 1983 Sep;9(5):428–9

Enhancement effects of barbital on the teratogenicity of aminopyrine. Nomura T, et al. **Toxicology** 1984 Feb; 29(4):281–91

[Perforated stomach ulcer in a patient treated with pirabutol] Aleshin VP, et al. **Klin Khir** 1984 Mar;(3):62 **(Rus)**

[Zeek's supersensitive angiitis] Kotov AA. **Vestn Dermatol Venerol** 1983 Jul;(7):37–9 (Eng. Abstr.) **(Rus)**

ANALOGS & DERIVATIVES

Intravenous indomethacin in biliary pain. A clinical investigation with metamizole as the control. Niinikoski

J, et al. **Ann Chir Gynaecol** 1984;73(2):69–72

Intravenous indomethacin in the treatment of ureteric colic. A clinical multicentre study with pethidine and metamizol as the control preparations. Lehtonen T, et al. **Ann Clin Res** 1983;15(5–6):197–9

Relationship between saliva levels of metamizol metabolites, bioavailability and analgesic efficacy. Rohdewald P, et al. **Arzneimittelforsch** 1983;33(7):985–8

Differential effect of acetylsalicylic acid and dipyrone on prostaglandin production in human fibroblast cultures. Lüthy C, et al. **Br J Pharmacol** 1983 Aug;79(4):849–54

The effect of oral administration of dipyrone on the capacity of blood platelets to synthesize thromboxane A2 in man. Eldor A, et al. **Eur J Clin Pharmacol** 1984;26(2):171–6

Adverse drug reactions [letter] Levy M. **Isr J Med Sci** 1983 Dec;19(12):1110

Do we continue to prescribe dipyrone (analgin)? [letter] Bharani AK, et al. **J Assoc Physicians India** 1984 Apr; 32(4):382–3

High-performance liquid chromatography of dipyrone and its active metabolite in biological fluids. Asmardi G, et al. **J Chromatogr** 1983 Oct 14;277:183–9

Simultaneous determination of dipyrone metabolites in plasma by high-performance liquid chromatography. Katz EZ, et al. **J Chromatogr** 1984 Feb 10;305(2):477–84

Carcinogenicity of dipyrone in (C57BL/6 X C3H)F1 mice. Kumagai H, et al. **JNCI** 1983 Dec;71(6):1295–7

Placebo application, personality, and headaches: a signal detection theory analysis of experimentally induced pain in comparison to clinical pain. Classen W. **Pharmacopsychiatry** 1984 May;17(3):98–101

Studies on protein binding of analgin. Mihailova D, et al. **Pharmazie** 1983 Nov;38(11):781–2

[Acute immunoallergic interstitial nephritis due to noramidopyrine] Riou B, et al. **Presse Med** 1984 May 26; 13(22):1377–80 (Eng. Abstr.) **(Fre)**

[Metamizol--acute overdose with suicidal intent] Wolhoff H, et al. **Dtsch Med Wochenschr** 1983 Nov 18; 108(46):1761–4 (Eng. Abstr.) **(Ger)**

[Reducing blood pressure with Dipyron (novaminsulfone sodium)] Zoppi M, et al. **Schweiz Med Wochenschr** 1983 Nov 26;113(47):1768–70 (Eng. Abstr.) **(Ger)**

[Effect of Baralgin on isolated preparations of the upper urinary tract in man] Hertle L, et al. **Urol Int** 1984; 39(2):84–90 (Eng. Abstr.) **(Ger)**

[Use of indomethacin and metamizole administered intravenously in renal colic. Comparative study] Galassi P, et al. **Minerva Urol** 1983 Oct–Dec;35(4):295–300 (Eng. Abstr.) **(Ita)**

[Changes in physiochemical properties of shelved oleaginous suppository bases: the effects on indomethacin, aminopyrine and sulpyrine release rates] Ejima A, et al. **Eisei Shikenjo Hokoku** 1983;(101):75–9 (Eng. Abstr.) **(Jpn)**

[Gas chromatographic determination of sulpyrine in blood and the effect of ethanol intake on the sulpyrine level in rabbit blood] Ameno K, et al. **Nippon Hoigaku Zasshi** 1983 Jun;37(3):217–26 (Eng. Abstr.) **(Jpn)**

[Use of baralgin in the treatment of the ischemic pain syndrome and as a component of general anesthesia in angiosurgery] Ivaniushko VL. **Klin Khir** 1983 Jul;(7):72 **(Rus)**

[Comparison of the effects of ceruletide with respect to dipyrone and to a single infusion of physiologic serum in patients with pain due to nephritic colic] Pardo A, et al. **Arch Esp Urol** 1984 Mar–Apr;37(2):94–100 (Eng. Abstr.) **(Spa)**

ANALYSIS

[Gas chromatography determination of atropine, theophylline, phenobarbital and aminophenazone in tablets] Majlát P. **Pharmazie** 1984 May;39(5):325–6 (Eng. Abstr.) **(Ger)**

BLOOD

[Characteristics of the ischemic disorders of xenobiotic metabolism in the liver of rats in the early and late stages of recovery] Grek OR, et al. **Farmakol Toksikol** 1984 May–Jun;47(3):114–8 (Eng. Abstr.) **(Rus)**

DIAGNOSTIC USE

Aminopyrine breath test predicts surgical risk for patients with liver disease. Gill RA, et al. **Ann Surg** 1983 Dec; 198(6):701–4

Comparative study of hydrogen and aminopyrine clearance methods for determination of gastric mucosal blood flow in dogs. Takeshita H, et al. **Dig Dis Sci** 1984 Sep;29(9):841–7

[Hepatic clearance of aminopyrine in the evaluation of liver function in hormonal contraception] Sensing H, et al. **Z Gesamte Inn Med** 1983 Dec 1;38(23):622–6 (Eng. Abstr.) **(Ger)**

[Quantitative assessment of hepatic microsomal function by breath test using 13C-aminopyrine] Sakamoto A, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Dec;80(12):2603 **(Jpn)**

[Significance of mixed function oxidases for evaluation of the harmful effects of chemicals on exposed persons] Popov T. **Probl Khig** 1983;8:64–73 (Eng. Abstr.) **(Rus)**

METABOLISM

Carbonic anhydrase activity and aminopyrine uptake in isolated gastric mucosal cells. Wollin A. **Am J Physiol** 1984 Sep;247(3 Pt 1):G213–9

Aminopyrine accumulation of isolated parietal cells from the rat stomach. Effect of histamine and interaction with endogenous inhibitors. Schepp W, et al. **Arch Int Pharmacodyn Ther** 1983 Oct;265(2):293–308

Inhibition of gastric acid secretion by a phorbol ester: effect of 12-O-tetradecanoylphorbol-13-acetate on aminopyrine accumulation by rat parietal cells. Anderson NG, et al. **Biochem Biophys Res Commun** 1984 Jun 15;121(2):566–72

Aminopyrine and biphenyl metabolism in cultured hepatocytes. Induction by alcohols. Sinclair JF, et al. **Biochem Pharmacol** 1984 Jan 15;33(2):187–90

Dietary influences on the kinetics of antipyrine and aminopyrine in human subjects. Krishnaswamy K, et al. **Br J Clin Pharmacol** 1984 Feb;17(2):139–46

Measurement of 7-methylguanine as an estimate of the amount of dimethylnitrosamine formed following administration of aminopyrine and nitrite to rats. Gombar CT, et al. **Cancer Res** 1983 Nov;43(11):5077–80

Effect of temperature on the metabolism of aminopyrine. Matsuyama K, et al. **Chem Pharm Bull (Tokyo)** 1983 Apr; 31(4):1404–7

Hepatic drug metabolism and physical fitness. Boel J, et al. **Clin Pharmacol Ther** 1984 Jul;36(1):121–6

Effects of Aroclor 1254 treatment on the in vitro hepatic metabolism of toluene, aniline and aminopyrine in hybrid sunfish. Carter FD, et al. **Comp Biochem Physiol [C]** 1984; 78(1):137–40

Effect of age and sex on the N-demethylation rate of 14C-aminopyrine, studied by the breath test. Pirotte J, et al. **Digestion** 1983;28(4):210–5

Assessment of drug metabolism in hepatic disease: comparison of plasma kinetics of oral cyclobarbital and the intravenous aminopyrine breath test. Breyer-Pfaff U, et al. **Eur J Clin Pharmacol** 1984;26(1):95–101

Potentiating action of hexoprenaline on 14C-aminopyrine uptake by isolated rat parietal cells. Mašliński S, et al. **Experientia** 1984 May 15;40(5):478–80

Abnormalities in liver function and morphology and impaired aminopyrine metabolism in hereditary hepatic porphyrias. Ostrowski J, et al. **Gastroenterology** 1983 Nov;85(5):1131–7

Correlation between the demethylation rate of 14C-aminopyrine (breath-test) and haemodynamic parameters in congestive heart failure. Pirotte J, et al. **Int J Clin Pharmacol Res** 1983;3(6):485–9

Urea excretion, galactose elimination, and aminopyrine disappearance during normal liver regeneration after partial hepatectomy. Comparison with other function tests reported. Zieve L, et al. **J Lab Clin Med** 1984 Jul; 104(1):24–34

Influence of phenobarbital and 3-methylcholanthrene on the metabolism of aminopyrine in isolated hepatocyte system. Matsuyama K, et al. **J Pharmacobiodyn** 1983 Nov; 6(11):821–8

Effect of ethanol and metabolic substrates on the oxidation of aminopyrine, formaldehyde and formate by isolated hepatocytes. Dicker E, et al. **J Pharmacol Exp Ther** 1983 Dec;227(3):687–93

The pharmacokinetic interaction of diethyl ether with aminopyrine in the rat. Hanew T, et al. **Proc Soc Exp Biol Med** 1984 Jan;175(1):64–9

Structure-activity relationship in the effect of 1,4-benzodiazepines on morphine, aminopyrine and oestrone metabolism. Vega P, et al. **Res Commun Chem Pathol Pharmacol** 1984 May; 44(2):179–98

PHARMACODYNAMICS

Induction of hepatic gamma-glutamyl transpeptidase in rats by repeated administration of aminopyrine. Satoh T, et al. **Dev Toxicol Environ Sci** 1983;11:459–62

[Effect of kinins and their inhibitors on gastric and intestinal motility] Kirillov IuB, et al. **Klin Khir** 1984 Feb;(2):42–5 (Eng. Abstr.) **(Rus)**

[Pharmacological properties of pyrazolone and pyrazolidine derivatives (review of the literature)] Mokhort NA, et al. **Vrach Delo** 1984 Mar;(3):39–45 (61 ref.) **(Rus)**

THERAPEUTIC USE

Hyperthermia [letter] Cardan E. **Anaesthesia** 1983 Nov; 38(11):1106–7

[Study of the protective effects of phenobarbital and aminopyrine in a toxicologic experiment] Gichev IuP, et al. **Gig Tr Prof Zabol** 1983 Sep;(9):55–7 **(Rus)**

AMINOPYRINE N-DEMETHYLASE

ANALYSIS

In vitro drug metabolism in humans with different liver diseases. Narang AP, et al. **Int J Clin Pharmacol Ther Toxicol** 1983 Oct;21(10):496–8

BIOSYNTHESIS

Assessment of drug metabolising enzyme activity in human fetuses and role of phenobarbitone as an inducing agent. Narang AP, et al. **J Assoc Physicians India** 1983 Apr; 31(4):217–9

Enzyme induction in neonates after fetal exposure to antiepileptic drugs. Rating D, et al. **Pediatr Pharmacol (New York)** 1983;3(3–4):209–18

Effect of prostacyclin infusion on hepatic microsomal drug metabolizing enzyme activity in man. Gachályi B, et al. **Prostaglandins Leukotrienes Med** 1984 Apr;14(1):137–8

METABOLISM

Effect of 1.1.1 trifluoro-N-(2-methyl-4-phenyl sulfonyl) methane sulfonamide (Destun 50WP) on rat hepatic microsomal enzymes, aniline hydroxylase and amino-pyrine N-demethylase. Thabrew MI, et al. **Eur J Drug Metab Pharmacokinet** 1983 Oct–Dec;8(4):321–7

The type I binding of some aliphatic epoxides to cytochrome P-450 and their inhibition of mono-oxygenase activity. Serrentino R, et al. **Ital J Biochem** 1983 Mar–Apr; 32(2):111–23

Hepatic microsomal enzymes in S. mansoni infected mice: II. Effect of duration of infection and lindane administration on aminopyrine demethylase and aniline hydroxylase. El-Bassiouni EA, et al. **J Environ Sci Health [B]** 1984 Mar;19(2):193–207

Studies on certain drug-metabolizing enzymes in deoxypyridoxine-treated rats. Chatterjee AK, et al. **Jpn J Pharmacol** 1984 Apr;34(4):367–73

Comparative study of hepatic microsomal and cytosolic enzyme activities in three murine strains. Dragani TA, et al. **Toxicol Lett** 1983 Jul;17(3–4):215–21

Effect of successive administration of zopiclone, a new class of minor tranquillizer, on mouse liver microsomal mono-oxygenase system. Kawamoto H, et al. **Xenobiotica** 1984 Apr;14(4):355–7

AMINOQUINOLINES

Measurement of intrasynaptosomal free calcium by using the fluorescent indicator quin-2. Ashley RH, et al. **Biochem J** 1984 Apr 1;219(1):149–58

The role of cytoplasmic free calcium in the responses of quin2-loaded human platelets to vasopressin. Hallam TJ, et al. **Biochem J** 1984 Aug 1;221(3):897–901

ANALYSIS

Guanyl-C8-arylamination of DNA by the ultimate carcinogen of 4-nitroquinoline-1-oxide: a spectrophotometric titration. Galiègue-Zouitina S, et al. **Anal Biochem** 1984 May 1;138(2):434–7

BLOOD

[Pharmacokinetics of the new antimalarial preparation dabequin studied in monkeys] Lur'e AA, et al. **Med Parazitol (Mosk)** 1983 Jul–Aug;(4):23–9 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

Synthesis and kinetic studies of protease substrates containing the 1-methyl-6-aminoquinolinium ion as a fluorogenic leaving group. Andrade-Gordon P, et al. **J Med Chem** 1984 Sep;27(9):1166–70

Chemistry and anti-inflammatory activity of 10-methylamino-11H-indeno[1,2-b]quinolin-11-one (MB 432) derivatives. Bala M, et al. **Pol J Pharmacol Pharm** 1983 Nov–Dec;35(6):523–30

[Syntheses of 8-acylamino-3,4-dihydrocarbostyril derivatives with beta-adrenergic blocking action] Oshiro Y, et al. **Yakugaku Zasshi** 1984 Jan;104(1):28–36 (Eng. Abstr.) **(Jpn)**

DIAGNOSTIC USE

Calcium activities and fluxes inside small intact cells as measured with intracellularly trapped chelators. Tsien RY, et al. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1984; 17:535–41 (30 ref.)

Detection of ocular melanoma with 4-(3-dimethylaminopropylamino)-7-[123I]-iodoquinoline. Lambrecht RM, et al. **J Nucl Med** 1984 Jul;25(7):800–4

METABOLISM

Guanyl-C8-arylamination of DNA by the ultimate carcinogen of 4-nitroquinoline-1-oxide: a spectrophotometric titration. Galiègue-Zouitina S, et al. **Anal Biochem** 1984 May 1;138(2):434–7

Metabolism of 4-hydroxyaminoquinoline-1-oxide and its binding to DNA in chick embryos. Kitani H, et al. **Chem Biol Interact** 1983 Nov;47(2):123–32

Enzymatic methylation of DNA and poly(dG-dC) X poly(dG-dC) modified by 4-acetoxyaminoquinoline-1-oxide, the ultimate carcinogen of 4-nitroquinoline-1-oxide. Pfohl-Leszkowicz A, et al. **FEBS Lett** 1983 Oct 31;163(1):85–8

A radioiodinated quinoline DNA complex as a potential melanoma imaging agent. Heindel ND, et al. **Int J Nucl Med Biol** 1984;11(1):23–4

Reduction of 4-nitroquinoline 1-oxide to 4-hydroxyaminoquinoline 1-oxide in lysates of cytomegalovirus-infected cells. Speelman DJ, et al. **J Gen Virol** 1983 Nov;64 (Pt 11):2511–5

PHARMACODYNAMICS

Relationships between chemical structures of 8-aminoquinolines and their capacities for radical cure of infections with Plasmodium cynomolgi in rhesus monkeys. Schmidt LH. **Antimicrob Agents Chemother** 1983 Nov; 24(5):615-52

Electrophysiological effects of 4-aminoquinoline on frog atrial contractile fibres. Guerrero S, et al. **Arch Int Pharmacodyn Ther** 1984 May;269(1):94-110

Pharmacologic analysis of two novel inhibitors of leukotriene (slow reacting substance) release. Fleisch JH, et al. **J Pharmacol Exp Ther** 1984 Jun;229(3):681-9

Fine structural alterations in Trypanosoma rhodesiense grown in vitro, treated with WR 163577. Berman JD, et al. **J Protozool** 1984 Feb;31(1):184-6

Pharmacological properties of the antiinflammatory agent 10-methylamine-11-H-indeno-[1,2-b]quinolin-11-one (MB432). Chojnacka-Wójcik E, et al. **Pol J Pharmacol Pharm** 1983;35(4):327-32

Ferriprotoporphyrin IX: a mediator of the antimalarial action of oxidants and 4-aminoquinoline drugs. Fitch CD, et al. **Prog Clin Biol Res** 1984;155:119-30

[Effect of the preparations lonetil and adepren on local cerebral blood flow] Vlakhov V, et al. **Eksp Med Morfol** 1983;22(2):84-7 (Eng. Abstr.) **(Bul)**

POISONING

4-aminoquinolines can be dangerous to your health: chloroquine (Aralen) intoxication. Mack RB. **NC Med J** 1984 Apr;45(4):245-6

TOXICITY

Two-step mechanism of myofibrillar protein degradation in acute plasmocid-induced muscle necrosis. Ishiura S, et al. **Biochim Biophys Acta** 1984 Apr 24;798(3):333-42

Arrest of DNA elongation by DNA polymerases at guanine adducts on 4-hydroxyaminoquinoline 1-oxide-modified DNA template. Yoshida S, et al. **Cancer Res** 1984 May; 44(5):1867-70

Effect of norharman on DNA strand breaks and mutation of Chinese hamster V79 cells by chemical carcinogens. Mita S, et al. **Carcinogenesis** 1984 Jun;5(6):715-8

AMINOREX see under **OXAZOLES**

P-AMINOSALICYLIC ACID see under **AMINOSALICYLIC ACIDS**

AMINOSALICYLIC ACIDS

Spontaneous formation of immunogenic conjugates by 5-aminosalicylic acid--a biotransformation product of salicylazosulfapyridine. Cirstea M, et al. **Physiologie** 1983 Jul-Sep;20(3):161-7

[Stability of sodium p-aminosalicylate in the solid state] Wang PY, et al. **Yao Hsueh Hsueh Pao** 1983 Oct; 18(10):786-9 (Eng. Abstr.) **(Chi)**

ADMINISTRATION & DOSAGE

Further study on the cytogenetic effects of combined chemotherapy with isoniazid and para-aminosalicylic acid on human lymphocytes in vivo: sister chromatid exchanges, chromosome aberrations in first-division metaphases, cell growth kinetics, and mitotic index. Jaju M, et al. **Environ Mutagen** 1983;5(6):847-57

5-Aminosalicylic acid for the treatment of inflammatory bowel disease [letter] Dew MJ, et al. **Gastroenterology** 1984 Aug;87(2):480-1

5-aminosalicylic acid as rectal enema in ulcerative colitis patients unable to take sulphasalazine [letter] Campieri M, et al. **Lancet** 1984 Feb 18;1(8373):403

[5-Aminosalicylic acid enema preparation (letter)] René E, et al. **Gastroenterol Clin Biol** 1983 Nov;7(11):935 **(Fre)**

[Intravenous injection of isoniazid and PAS twice weekly to outpatients with tuberculosis in rural areas] Ursov IG, et al. **Probl Tuberk** 1983 Nov;(11):42-5 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Exacerbation of diarrhoea and pain in patients treated with 5-aminosalicylic acid for ulcerative colitis [letter] Austin CA, et al. **Lancet** 1984 Apr 21;1(8382):917-8

[The effect of isoniazid and PAS on various biochemical indices of liver function in patients with tuberculosis] Savula MM, et al. **Vrach Delo** 1983 Jul;(7):16-9 (Eng. Abstr.) **(Rus)**

ANALYSIS

Antituberculosis drugs and breast-feeding [letter] Holdiness MR. **Arch Intern Med** 1984 Sep;144(9):1888

Determination of sodium azodisalicylate, salazosulphapyridine and their metabolites in serum, urine and faeces by high-performance liquid chromatography. van Hogezand RA, et al. **J Chromatogr** 1984 Feb 10; 305(2):470-6

METABOLISM

Comparison of the absorption and metabolism of sulphasalazine and acrylic-coated 5-amino salicylic acid in normal subjects and patients with colitis. Dew MJ, et al. **Br J Clin Pharmacol** 1984 Apr;17(4):474-6

Colonic release of 5-amino salicylic acid from an oral preparation in active ulcerative colitis. Dew MJ, et al. **Br J Clin Pharmacol** 1983 Aug;16(2):185-7

Kinetics of 5-aminosalicylic acid after jejunal instillation in man. Haagen Nielsen O, et al. **Br J Clin Pharmacol** 1983 Dec;16(6):738-40

Disposition of 5-aminosalicylic acid, the active metabolite of sulphasalazine, in man. Fischer C, et al. **Eur J Clin Pharmacol** 1983;25(4):511-5

Colonic azodisalicylate metabolism determined by in vivo dialysis in healthy volunteers and patients with ulcerative colitis. Lauritsen K, et al. **Gastroenterology** 1984 Jun; 86(6):1496-500

Absorption and excretion of azodisal sodium and its metabolites in man after rectal administration of a single 2-g dose. Sandberg-Gertzén H, et al. **Scand J Gastroenterol** 1983 May;18(4):571-5

Absorption and excretion of a single 1-g dose of azodisal sodium in subjects with ileostomy. Sandberg-Gertzén H, et al. **Scand J Gastroenterol** 1983 Jan;18(1):107-11

PHARMACODYNAMICS

Soybean lipoxygenase inhibition: studies with the sulphasalazine metabolites N-acetylaminosalicylic acid, 5-aminosalicylic acid and sulphapyridine. Allgayer H, et al. **Eur J Clin Pharmacol** 1984;26(4):449-51

THERAPEUTIC USE

Reversal with balsalazide of infertility caused by sulphsalazine. McIntyre PB, et al. **Br Med J [Clin Res]** 1984 Jun 2;288(6431):1652-3

A double-blind clinical trial to compare the effects of 4-aminosalicylic acid to 5-aminosalicylic acid in topical treatment of ulcerative colitis. Campieri M, et al. **Digestion** 1984;29(4):204-8

Topical treatment of distal ulcerative colitis with 4-amino-salicylic acid enemas. Selby WS, et al. **Digestion** 1984;29(4):231-4

Treatment of Crohn's disease with peroral 5-aminosalicylic acid. Rasmussen SN, et al. **Gastroenterology** 1983 Dec; 85(6):1350-3

Reversal of male infertility on changing treatment from sulphasalazine to 5-aminosalicylic acid [letter] Cann PA, et al. **Lancet** 1984 May 19;1(8386):1119

Treatment of ulcerative colitis with oral 5-aminosalicylic acid in patients unable to take sulphasalazine [letter] Dew MJ, et al. **Lancet** 1983 Oct 1;2(8353):801

Sulphasalazine-induced infertility reversed on transfer to 5-aminosalicylic acid [letter] Shaffer JL, et al. **Lancet** 1984 Jun 2;1(8388):1240

5-Aminosalicylic acid enemas in patients with active ulcerative colitis. Influence of acidity on the kinetic pattern. Bondesen S, et al. **Scand J Gastroenterol** 1984 Jul; 19(5):677-82

The prophylactic effect of 5-aminosalicylic acid and salazosulphapyridine on degraded-carrageenan-induced colitis in guinea pigs. Jensen BH, et al. **Scand J Gastroenterol** 1984 May;19(3):299-303

TOXICITY

Renal function was not impaired by treatment with 5-aminosalicylic acid in rats and man. Diener U, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Jun; 326(3):278-82

AMINOSIDINE see **PAROMOMYCIN**

AMINOTRANSFERASES

Comparison of aspartate aminotransferase with other aminotransferases by absorption-spectrum analysis. John RA, et al. **Biochem Soc Trans** 1984 Jun;12(3):430-2

Hexadeoxycycloheptaamylose-pyridoxamine, an artificial transaminase with a 'deeper' binding pocket. Czarnik AW, et al. **Carbohydr Res** 1984 May 15;128(1):133-9

ANALYSIS

Localization and activities of nitrogenase, glutamine synthetase and glutamate synthase in Azotobacter vinelandii grown in oxygen-controlled continuous culture. Röckel D, et al. **Arch Microbiol** 1983 Oct;136(1):74-8

Characteristics of pancreatic branched chain amino acid aminotransferases from rat, man and dog. Makino M, et al. **Comp Biochem Physiol [B]** 1984;77(1):175-80

A radioisotopic assay for delta 1-pyrroline-5-carboxylate synthase activity. Smith RJ. **Enzyme** 1984;31(2):115-21

Immunoelectron microscopic localization of ferine: pyruvate aminotransferase in rat eosinophile leukocytes. Yokota S, et al. **Histochemistry** 1983;78(4):417-24

A one-step assay for pyrroline-5-carboxylate synthase using a short AG1-X8 column. Wakabayashi Y, et al. **J Biochem Biophys Methods** 1984 Jul;9(3):185-92

Differences in properties between aromatic amino acid: aromatic keto acid aminotransferases and aromatic amino acid: alpha-ketoglutarate aminotransferases. Chia YC, et al. **Life Sci** 1984 Jun 18;34(25):2443-52

ANTAGONISTS & INHIBITORS

Transaminase inhibitors block glycolysis and G1 to S phase progression in chick embryo fibroblasts: reversal by alpha-keto acids. Groelke J, et al. **J Cell Physiol** 1984 Apr; 119(1):133-6

gamma-vinyl GABA, and GABA and beta-alanine transamination [letter] **Lancet** 1984 Mar 31;1(8379):737-8

BIOSYNTHESIS

Gratuitous repression of avtA in Escherichia coli and Salmonella typhimurium. Whalen WA, et al. **J Bacteriol** 1984 May;158(2):571-4

BLOOD

Low lead doses and atherogenic diet in rabbits: biochemical results in blood. Speich M, et al. **Ann Nutr Metab** 1983; 27(6):521-30

[Heparin-induced increase in serum aminotransferase] Husted SE, et al. **Ugeskr Laeger** 1984 Feb 27;146(9):647-9 (Eng. Abstr.) **(Dan)**

[Persistent hypertransaminasemia manifesting Wilson's disease. Apropos of 3 cases] Odièvre M, et al. **Ann Pediatr (Paris)** 1984 Jan;31(1):43-5 (Eng. Abstr.) **(Fre)**

[Relationship between serum HBV-DNA polymerase activity and HBe system: changes of DNA polymerase activity and transaminase] Saito S, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 May;81(5):1223-9 (Eng. Abstr.) **(Jpn)**

[Changes in blood transaminase activity in a chemically polluted environment] Setko NP, et al. **Gig Sanit** 1984 Jun; (6):83-4 **(Rus)**

[Activity of serum enzymes and isoenzymes during coronarography] Shishlo LA, et al. **Lab Delo** 1983; (10):19-21 (Eng. Abstr.) **(Rus)**

[Effect of medical therapy on enzyme activity in myocardial infarct patients] Tamarkina AD, et al. **Sov Med** 1984; (3):84-7 **(Rus)**

[The effect of leukemic infiltration of the liver on levels of alkaline phosphatase in the serum, serum transaminases and serum protein] Todorović M, et al. **Lijec Vjesn** 1983 Nov-Dec;105(11-12):449-51 (Eng. Abstr.) **(Scr)**

DEFICIENCY

Free amino acid concentrations in blood cells of two brothers with gyrate atrophy of the choroid and retina with hyperornithinaemia. Fukuda K, et al. **J Inherited Metab Dis** 1983;6(4):137-42

GENETICS

On the possible significance of the transamidination reaction in evolution. Hird FJ, et al. **Comp Biochem Physiol [B]** 1983;76(3):489-95

Structural organization of the genes that encode two glutamate synthase subunits of Escherichia coli. Garciarrubio A, et al. **Gene** 1983 Dec;26(2-3):165-70

Cloning and expression of a p-aminobenzoic acid synthetase gene of the candicidin-producing Streptomyces griseus. Gil JA, et al. **Gene** 1983 Nov;25(1):119-32

Cloning the Escherichia coli K-12 argD gene specifying acetylornithine delta-transaminase. Riley M, et al. **Gene** 1983 Oct;24(2-3):335-9

Localization of a gene which complements branched-chain amino acid transaminase deficiency to the short arm of human chromosome 12. Jones C, et al. **Hum Genet** 1984; 66(2-3):206-11

Nucleotide sequence of Escherichia coli pabB indicates a common evolutionary origin of p-aminobenzoate synthetase and anthranilate synthetase. Goncharoff P, et al. **J Bacteriol** 1984 Jul;159(1):57-62

Transcriptional control of ornithine aminotransferase synthesis in rat kidney by estrogen and thyroid hormon.. Mueckler MM, et al. **J Biol Chem** 1984 Feb 25; 259(4):2302-5

ISOLATION & PURIFICATION

Separation of two forms of glutamate synthase in leaves of tomato (Lycopersicon esculentum). Avila C, et al. **Biochem Biophys Res Commun** 1984 Aug 16;122(3):1125-30

Purification and some properties of L-alanine:4,5-dioxovaleric acid transaminase from rat liver mitochondria. Shanker J, et al. **Biochem Int** 1983 Jul; 7(1):23-31

Partial purification and characterization of two enzymes involved in isovaleric acid synthesis in Clostridium bifermentans. Britz ML, et al. **J Gen Microbiol** 1983 Oct; 129 (Pt 10):3227-37

METABOLISM

High-performance liquid chromatographic analysis of analogous amino and oxo acids for the determination of amino acid oxidase and transaminase activities. Brodelius P. **Acta Chem Scand [B]** 1984;38(3):219-23

Tryptophan aminotransferase activity in rat liver. Stanley JC, et al. **Biochem J** 1984 May 15;220(1):341-4

Gyrate atrophy of the choroid and retina: decreased ornithine aminotransferase concentration in cultured skin fibroblasts from patients. Ohura T, et al. **Clin Chim Acta** 1984 Jan 16;136(1):29-37

Branched-chain amino acid aminotransferase activity in the tissues of lake trout. Hughes SG, et al. **Comp Biochem Physiol [B]** 1983;76(3):429–31

Effect of phenolic compounds on in vivo activity of transaminases in certain tissues of the fish, Notopterus notopterus. Gupta S, et al. **Environ Res** 1983 Oct;32(1):8–13

Purification and properties of ornithine aminotransferase from rat brain. Deshmukh DR, et al. **Experientia** 1984 Apr 15;40(4):357–9

Fine localization of serine:pyruvate aminotransferase in rat hepatocytes revealed by a post-embedding immunocytochemical technique. Yokota S, et al. **Histochemistry** 1984;80(6):591–5

Rhizobium sp. strain ORS571 ammonium assimilation and nitrogen fixation. Donald RG, et al. **J Bacteriol** 1984 Jun; 158(3):1144–51

Uptake and processing of serine: pyruvate aminotransferase precursor by rat liver mitochondria in vitro and in vivo. Oda T, et al. **J Biochem (Tokyo)** 1984 Mar;95(3):815–24

The effect of carboxylates and halides on L-lysine 6-aminotransferase-catalyzed reactions. Yoshimura T, et al. **J Biochem (Tokyo)** 1984 Feb;95(2):559–65

Response to light of a specific aminotransferase for delta-aminolevulinate formation in higher plants. Hayashi S, et al. **J Biol Chem** 1983 Nov 25;258(22):13693–6

Transamination of 3-phenylpyruvate in pancreatic B-cell mitochondria. Lenzen S, et al. **J Biol Chem** 1984 Feb 25; 259(4):2043–6

Ornithine-delta-aminotransferase exhibits different kinetic properties in astrocytes, cerebral cortex interneurons, and cerebellar granule cells in primary culture. Drejer J, et al. **J Neurochem** 1984 Apr;42(4):1194–7

Activities of arginase, transamidinase, and ornithine aminotransferase in glia, neurons, and synaptosomes. Swamy M, et al. **J Neurosci Res** 1983;10(4):363–8

Ornithine delta-aminotransferase activity in retina and other tissues. Rao GN, et al. **Neurochem Res** 1984 Apr; 9(4):555–62

Chemical and biological aspects of vitamin B6 catalysis. Part B: Metabolism, structure, and function of transaminases. Proceedings of a symposium held in Athens, Greece, May 29-June 3, 1983. **Prog Clin Biol Res** 1984;144B:1–349

Glutamine transaminases. Cooper AJ, et al. **Prog Clin Biol Res** 1984;144B:3–15

Lack of stringent stereospecificity in the inactivation of pyridoxal phosphate-dependent enzymes by suicide-substrates. Danzin C, et al. **Prog Clin Biol Res** 1984; 144A:377–85

A potent pyridoxal model capable of promoting transamination and beta-elimination of amino acids. Kondo H, et al. **Prog Clin Biol Res** 1984;144A:101–8

2-Aminoethylphosphonate: pyruvate aminotransferase from Pseudomonas aeruginosa. Lacoste AM, et al. **Prog Clin Biol Res** 1984;144B:321–7

Omega-amino acid: pyruvate aminotransferase: subunit structure, spectrometric properties and amino acid sequence around pyridoxyl lysine. Yonaha K, et al. **Prog Clin Biol Res** 1984;144B:329–38

[Aminotransferases and animal species] Okuno E, et al. **Seikagaku** 1983 Dec;55(12):1419–26 **(Jpn)**

[Effect of tetanus toxin on the transaminase activity in the liver and amino-nitrogen content of the plasma and erythrocytes in guinea pigs] Osiniak M, et al. **Med Dosw Mikrobiol** 1983;35(1):77–81 (Eng. Abstr.) **(Pol)**

[Study of the subcellular distribution of aminotransferase activity in the rat kidney using isopycnic centrifugation in Percoll gradient] Jurášková E, et al. **Bratisl Lek Listy** 1983 Aug;80(2):148–56 (Eng. Abstr.) **(Slo)**

AMIODARONE see under **BENZOFURANS**

AMITRIPTYLINE

ADMINISTRATION & DOSAGE

Effect of chronically administered amitriptyline on reproduction of food motor reflexes in cats. Medek A, et al. **Acta Univ Palacki Olomuc Fac Med** 1976;80:231–6

Elimination and pharmacological effects following single oral doses of 50 and 75 mg of amitriptyline in man. Schulz P, et al. **Arch Psychiatr Nervenkr** 1983;233(6):449–55

Amitriptyline dosage prediction in elderly patients from plasma concentration at 24 hours after a single 100mg dose. Dawling S, et al. **Clin Pharmacokinet** 1984 May-Jun; 9(3):261–6

[Study of a case of manic-depressive psychosis treated in the acute phase with drugs and family therapy] Seghers A. **Acta Psychiatr Belg** 1984 Jan-Feb;84(1):38–49 (Eng. Abstr.) **(Fre)**

[Effect of treatment of patients with bipolar depression with optimal doses of amitriptyline on the EEG patterns during sleep and wakefulness] Ekiert H, et al. **Psychiatr Pol** 1983; 17(1):39–46 (Eng. Abstr.) **(Pol)**

ADVERSE EFFECTS

Zimeldine tolerability in comparison to amitriptyline and placebo: findings from a multicentre trial. Claghorn J, et al. **Acta Psychiatr Scand [Suppl]** 1983;308:104–14

The effects of zimeldine and amitriptyline on car driving and psychomotor performance. Hindmarch I, et al. **Acta Psychiatr Scand [Suppl]** 1983;308:141–6

Hematuria following tricylic therapy [letter] Gillman MA, et al. **Am J Psychiatry** 1984 Mar;141(3):463–4

Tricyclic-induced seizure activity. Jimenez MD, et al. **Drug Intell Clin Pharm** 1983 Sep;17(9):644–5

Amitriptyline and contact lenses [letter] Litovitz GL. **J Clin Psychiatry** 1984 Apr;45(4):188

Ventricular arrhythmias induced by doxepin and amitriptyline: case report. Todd RD, et al. **J Clin Psychiatry** 1983 Nov;44(11):423–5

Influence of single doses of dothiepin and amitriptyline on physiological measures and psychomotor performance in normal young and elderly volunteers. Ogura C, et al. **Neuropsychobiology** 1983;10(2–3):103–7

Ischaemic colitis associated with psychotropic drugs. Gollock JM, et al. **Postgrad Med J** 1984 Aug;60(706):564–5

A double-blind non-crossover placebo-controlled study between group comparison of trazodone and amitriptyline on cardiovascular function in major depressive disorder. van de Merwe TJ, et al. **Psychopathology** 1984;17 Suppl 2:64–76

[Anticholinergic crisis] Kaumeier S. **MMW** 1984 Jan 27; 126(4):77–8 **(Ger)**

ANALOGS & DERIVATIVES

Quantification of amitriptyline, nortriptyline, and 10-hydroxy metabolite isomers in plasma by capillary gas chromatography with nitrogen-sensitive detection. Jones DR, et al. **J Chromatogr** 1983 Dec 9;278(2):291–9

Cyclobenzaprine overdosage. Linden CH, et al. **J Toxicol Clin Toxicol** 1983 May;20(3):281–8

[Multicenter therapy study with the amitriptyline oxide Equilibrin 60--a broad-spectrum antidepressive agent] Harrer G, et al. **Med Welt** 1983 Dec 30;34(51–52):1473–7 **(Ger)**

ANALYSIS

Rapid high pressure liquid chromatographic determination of amitriptyline hydrochloride in tablets and injectables: collaborative study. Walker ST. **J Assoc Off Anal Chem** 1983 Sep;66(5):1196–202

BLOOD

Amitriptyline and its basic metabolites determined in plasma by gas chromatography. Burch JE, et al. **J Chromatogr** 1984 Jun 8;308:165–79

Gas chromatographic--mass spectrometric determination of amitriptyline and its major metabolites in human serum. Ishida R, et al. **J Chromatogr** 1984 Jan 13;305(1):73–82

Quantification of amitriptyline, nortriptyline, and 10-hydroxy metabolite isomers in plasma by capillary gas chromatography with nitrogen-sensitive detection. Jones DR, et al. **J Chromatogr** 1983 Dec 9;278(2):291–9

Use of plasma levels to avoid amitriptyline toxicity [letter] Preskorn SH. **J Clin Psychiatry** 1983 Nov;44(11):430

ISOLATION & PURIFICATION

Assay for amitriptyline and nortriptyline facilitated by use of 'toxi-tubes' for extraction [letter] Taylor GF, et al. **Clin Chem** 1984 Jan;30(1):158

Separation and identification of the antidepressants Imipramine, amitriptyline and Nomifensine by thin layer chromatography. Baltova EJ, et al. **Folia Med (Plovdiv)** 1983;25(3):36–41

METABOLISM

Amitriptyline metabolism in relation to antidepressive effect. Edelbroek PM, et al. **Clin Pharmacol Ther** 1984 Apr; 35(4):467–73

Amitriptyline metabolism: relationship to polymorphic debrisoquine hydroxylation. Mellström B, et al. **Clin Pharmacol Ther** 1983 Oct;34(4):516–20

Amitriptyline and ethanol: pharmacokinetic and pharmacodynamic interaction. Dorian P, et al. **Eur J Clin Pharmacol** 1983;25(3):325–31

Metabolism of amitriptyline in patients with chronic renal failure. Sandoz M, et al. **Eur J Clin Pharmacol** 1984; 26(2):227–32

Failed amitriptyline absorption [letter] Freed E, et al. **Med J Aust** 1984 Apr 14;140(8):509–10

[Pharmacokinetic studies following oral application of amitriptyline and chlorazaptate in therapeutic dosage] Sticht G, et al. **Beitr Gerichtl Med** 1983;41:109–15 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Effects of amitriptyline, desipramine and zimeldine, alone and in combination with ethanol, on information processing and memory in healthy volunteers. Linnoila M, et al. **Acta Psychiatr Scand [Suppl]** 1983;308:175–81

A comparison of zimeldine and amitriptyline on cardiovascular effects in healthy volunteers. Wester HA. **Acta Psychiatr Scand [Suppl]** 1983;308:131–4

Interaction of amitriptyline and low doses of physostigmine studied by method of food motor reflexes in cats. Navrátil J, et al. **Acta Univ Palacki Olomuc Fac Med** 1976;80:243–8

Interaction of syntostigmine and amitriptyline in food motor reflexes in cats. Navrátil J, et al. **Acta Univ Palacki Olomuc Fac Med** 1976;80:237–42

Sperm immobilizing potency of amitriptyline and imipramine: measured with transmembrane migration. Hong CY, et al. **Arch Androl** 1984;12(1):25–8

Serotonin function and mechanism of action of antidepressant treatment. Effects of amitriptyline and desipramine. Charney DS, et al. **Arch Gen Psychiatry** 1984 Apr; 41(4):359–65

Interaction between the beta-adrenoceptor blockers metoprolol and atenolol with amitriptyline and their effects on oxidative liver metabolism. Kirch W, et al. **Br J Clin Pharmacol** 1984;17 Suppl 1:65S–68S

Analgesic properties of meperidine, amitriptyline and phenelzine in mice. Lee I, et al. **Can Anaesth Soc J** 1983 Sep;30(5):501–5

Differential effects of amitriptyline and of zimelidine on the sleep electroencephalogram of depressed patients. Shipley JE, et al. **Clin Pharmacol Ther** 1984 Aug;36(2):251–9

Age differences in effects on blood pressure, flicker fusion frequency, salivation and pharmacokinetics of single oral doses of dothiepin and amitriptyline. Ogura C, et al. **Eur J Clin Pharmacol** 1983;25(6):811–4

The effect of zimelidine and amitriptyline on the brain concentration of some indolic and phenolic monoamines in the mouse. Juorio AV, et al. **Eur J Pharmacol** 1984 Jan 27;97(3–4):191–6

The effects of propranolol and amitriptyline on vascular and EMG biofeedback training. Jay GW, et al. **Headache** 1984 Mar;24(2):59–69

Lidocaine and amitriptyline interaction during experimental haemoperfusion. Heath A, et al. **Hum Toxicol** 1984 Jun; 3(3):165–71

Comparison of the electrocardiographic effect of dothiepin and amitriptyline. Claghorn JL, et al. **J Clin Psychiatry** 1984 Jul;45(7):291–3

Amitriptyline sensitization of a serotonin-mediated behavior depends on the passage of time and not repeated treatment. Antelman SM, et al. **Life Sci** 1983 Oct 24;33(17):1727–30

Changes in the binding to platelets of [3H]imipramine and [3H]yohimbine in normal subjects taking amitriptyline. Braddock LE, et al. **Neuropharmacology** 1984 Feb; 23(2B):285–6

The effect of aging on the positive chronotropic response to amitriptyline. Branconnier RJ, et al. **Psychopharmacology (Berlin)** 1984;82(3):256–7

Amoxapine and amitriptyline. II. Specificity of cognitive effects during brief treatment of depression. McNair DM, et al. **Psychopharmacology (Berlin)** 1984;83(2):134–9

Responses of isolated canine basilar artery and human platelet to chlorpromazine and amitriptyline. Sukenaga A, et al. **Stroke** 1984 Mar-Apr;15(2):295–300

[French translation of the Stanford Sleepiness Scale and use of this scale of sedation following a single dose of midazolam or amitriptyline] Schulz P, et al. **Agressologie** 1983 Sep;24(8):357–9 (Eng. Abstr.) **(Fre)**

[Endomorphins and experimental analgesic action of amitriptyline] Gaillard-Plaza G, et al. **Rev Neurol (Paris)** 1983;139(8–9):529–30 (Eng. Abstr.) **(Fre)**

POISONING

Prolonged delirium without anticholinergic signs following amitriptyline overdose. Gomolin IH, et al. **Can Med Assoc J** 1983 Dec 1;129(11):1203–4

Inotropic effect of prenalterol in amitriptyline poisoning. Heath A, et al. **Intensive Care Med** 1984;10(4):209–11

[Detection of amitriptyline and imipramine in acute combined poisoning in rats. I. Detection of amitriptyline and imipramine in the urine by thin-layer chromatography] Wysocka-Paruszewska B, et al. **Przegl Lek** 1984; 41(2):231–4 (Eng. Abstr.) **(Pol)**

[Prenalterol, hydrocortisone and insulin can be valuable in amitriptyline poisoning] Heath A, et al. **Lakartidningen** 1984 Feb 29;81(9):793–4 **(Swe)**

THERAPEUTIC USE

Zimeldine versus amitriptyline in endogenous depression. A double-blind study with special reference to effects on liver function. Larsen FW, et al. **Acta Psychiatr Scand** 1984 Apr; 69(4):343–9

Failure to correlate urinary MHPG with clinical response to amitriptyline. Puzynski S, et al. **Acta Psychiatr Scand** 1984 Feb;69(2):117–20

Nomifensine and amitriptyline in the treatment of depression. A multi-centre double-blind comparison. Wistedt B, et al. **Acta Psychiatr Scand** 1983 Sep;68(3):212–20

Comparison between zimeldine and amitriptyline of efficacy and adverse symptoms--a combined analysis of four British clinical trials in depression. Huitfeldt B, et al. **Acta Psychiatr Scand [Suppl]** 1983;308:55–69

Prediction of relapse with the TRH test and prophylactic amitriptyline in 39 patients with endogenous depression. Krog-Meyer I, et al. **Am J Psychiatry** 1984 Aug; 141(8):945–8

Dexamethasone suppression test predicts response to nomifensine or amitriptyline [letter] Beckmann H, et al. **Br J Psychiatry** 1984 Apr;144:440–1

Therapeutic window for amitriptyline analgesia [letter] Watson CP. **Can Med Assoc J** 1984 Jan 15;130(2):105–6

Platelet met-enkephalin immunoreactivity and 5-hydroxytryptamine concentrations in migraine patients: effects of 5-hydroxytryptophan, amitriptyline and chlorimipramine treatment. Boiardi A, et al. **Cephalalgia**

1984 Jun;4(2):81–4
Timed–release dihydroergotamine in the prophylaxis of mixed headache. A study versus amitriptyline. Bonuso S, et al. **Cephalalgia** 1983 Aug;3 Suppl 1:175–8
Effects of tricyclic antidepressants on platelet monoamine oxidase activity. Reyes E, et al. **Clin Pharmacol Ther** 1984 Apr;35(4):531–4
Alprazolam and amitryptyline: a double blind comparison of anxiolytic and anti–depressant activity. Draper RJ, et al. **Ir Med J** 1983 Nov;76(11):453–6
Responses to phenelzine and amitriptyline absence of differential predictors by multiple regression analysis. Bhat AV, et al. **J Affective Disord** 1984 Apr;6(2):209–18
Amitriptyline in children with major depressive disorder: a double–blind crossover pilot study. Kashani JH, et al. **J Am Acad Child Psychiatry** 1984 May;23(3):348–51
Effects of stimulant drugs [letter] Huessy HR. **J Autism Dev Disord** 1983 Sep;13(3):334
A placebo–controlled, double–blind trial of amitriptyline in bulimia. Mitchell JE, et al. **J Clin Psychopharmacol** 1984 Aug;4(4):186–93
Monoamine–related markers of depression: changes following treatment. Healy D, et al. **J Psychiatr Res** 1982–83;17(3):251–60
Use of tricyclics [letter] Huessy HR. **JDBP** 1984 Jun;5(3):142
Amitriptyline: looking through the therapeutic window [letter] Edelbroek PM, et al. **Lancet** 1984 May 19; 1(8386):1123
Amitriptyline: looking through the therapeutic window [letter] Kuss HJ, et al. **Lancet** 1984 Feb 25;1(8374):464–5
A double–blind controlled multicenter trial comparing butriptyline with amitriptyline. Guelfi JD, et al. **Neuropsychobiology** 1983;9(2–3):142–6
Tricyclic antidepressants in chronic pain [letter] Portenoy RK, et al. **Pain** 1984 Feb;18(2):213–5
Psychobiological predictors of antidepressant drug response. Rush AJ, et al. **Pharmacopsychiatria** 1983 Nov;16(6):192–4
Double blind study comparing the efficacy of zimelidine and amitriptyline in endogenous depression. O'Connor M, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(1):127–32
Mental distress in mothers of young children in Harrogate. Berg I, et al. **Psychol Med** 1984 May;14(2):391–9
Continuation therapy with lithium and amitriptyline in unipolar depressive illness: a randomized, double–blind, controlled trial. Glen AI, et al. **Psychol Med** 1984 Feb; 14(1):37–50
A double–blind study to compare trazodone with amitriptyline in depressed patients. Carney PA, et al. **Psychopathology** 1984;17 Suppl 2:37–8
Biochemical correlates of antidepressant response. Results of a trazodone versus amitriptyline trial. Healy D, et al. **Psychopathology** 1984;17 Suppl 2:82–7
The efficacy of amoxapine, maprotiline, and trazodone in comparison to imipramine and amitriptyline: a review of the literature. Kane JM, et al. **Psychopharmacol Bull** 1984 Spring;20(2):240–9 (61 ref.)
Failure to correlate urinary MHPG with clinical response to amitriptyline. Pużyński S, et al. **Psychopharmacol Bull** 1984 Winter;20(1):171–3
Amoxapine and amitriptyline. I. Relative speed of antidepressant action. McNair DM, et al. **Psychopharmacology (Berlin)** 1984;83(2):129–33
A randomized double blind group comparative study of sulpiride and amitriptyline in affective disorder. Standish–Barry HM, et al. **Psychopharmacology (Berlin)** 1983;81(3):258–60
Treatment of emotional lability with low–dosage tricyclic antidepressants. Schiffer RB, et al. **Psychosomatics** 1983 Dec;24(12):1094–6
Amitriptyline and chronic low–back pain. A randomized double–blind crossover study. Pheasant H, et al. **Spine** 1983 Jul–Aug;8(5):552–7
[Multicenter study with a combination preparation of amitriptyline and perphenazine. Study of 48 established practicing neurologists] Berzewski H, et al. **MMW** 1983 Sep 2;125(35):745–8 (Eng. Abstr.) **(Ger)**
[EEG patterns in the states of wakefulness and sleep during treatment with tricyclic antidepressive agents (imipramine, amitriptyline)] Ekiert H, et al. **Psychiatr Pol** 1983; 17(1):57–64 (38 ref.) **(Pol)**
[Correlations between the EEG pattern of sleep and depressive syndrome in patients with bipolar affective disorders before and during treatment with amitriptyline] Ekiert H, et al. **Psychiatr Pol** 1983 Jul–Aug;17(4):287–93 (Eng. Abstr.) **(Pol)**
[Effect of amitriptyline on the activity of enzymes participating in biogenic amine metabolism in patients with affective disorders] Matsumoto H, et al. **Psychiatr Pol** 1983 Sep–Dec;17(5–6):417–20 (Eng. Abstr.) **(Pol)**
[Treatment of pain in burn patients] Bravo Ortiz MF, et al. **Arch Neurobiol (Madr)** 1984 Mar–Apr;47(2):73–84 (Eng. Abstr.) **(Spa)**

TOXICITY

Experimental amitriptyline intoxication: electrophysiologic manifestations and management. Nattel S, et al. **J Cardiovasc Pharmacol** 1984 Jan–Feb;6(1):83–9

AMITROLE see under **TRIAZOLES**

AMMI see under **PLANTS, MEDICINAL**

AMMOIDIN see **METHOXSALEN**

AMMONIA

Silicone rubber membrane for extraction of high vapor tension toxic substances. Experiences with ammonia and ethanol. Zonta A, et al. **Eur Surg Res** 1984;16(3):187–93
A forced–air individually ventilated caging system for rodents. Keller GL, et al. **Lab Anim Sci** 1983 Dec; 33(6):580–2
Novel formation of alpha–amino acids from alpha–oxo acids and ammonia in an aqueous medium. Yanagawa H, et al. **Orig Life** 1984;14(1–4):163–9
[Evaluation of the morphological status of the blood in humans during an exercise test in a hermetic chamber with various concentrations of ammonia] Kalandarova MP, et al. **Kosm Biol Aviakosm Med** 1983 Nov–Dec;17(6):43–5 (Eng. Abstr.) **(Rus)**
[Metabolic disorders in men kept in an environment with a low ammonia content and their correction by physical exercise] Mukhamedieva LN, et al. **Kosm Biol Aviakosm Med** 1983 Nov–Dec;17(6):46–9 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Scanning electron microscopic studies of adverse effects of ammonia on tracheal tissues of turkeys. Nagaraja KV, et al. **Am J Vet Res** 1983 Aug;44(8):1530–6

ANALOGS & DERIVATIVES

Mechanism of hepatic megamitochondria formation by ammonia derivatives. Correlation between structure of chemicals and their ability to induce the formation of megamitochondria. Wakabayashi T, et al. **Eur J Biochem** 1984 Sep 3;143(2):455–65

ANALYSIS

Application of the ammonia gas–sensing electrode: determination of drugs having a carbothionamido group by decomposition with acid. Tagami S, et al. **J Pharm Sci** 1983 Sep;72(9):988–91
Effect of bedding changes and room ventilation rates on blood and brain ammonia levels in normal rats and rats with portacaval shunts. White WJ, et al. **Lab Anim Sci** 1984 Feb;34(1):49–52
Analysis of ruminal fluids with the ammonia electrode. Phillips WA. **Rev Sci Instrum** 1983 Dec;54(12):1761–3
Development and evaluation of field methods for ammonia in air. Rudling J, et al. **Scand J Work Environ Health** 1984 Jun;10(3):197–202
[Finding optimal conditions for sample preparation for the determination of NH3 in the rumen juice of cattle] Mehnert E, et al. **Arch Exp Veterinarmed** 1984 Mar;38(2):268–71 (Eng. Abstr.) **(Ger)**
[Importance and quantitative determination of NH3 content in the rumen juice of cattle] Mehnert E, et al. **Arch Exp Veterinarmed** 1984 Mar;38(2):153–6 (Eng. Abstr.) **(Ger)**
[Levels of mass concentrations of ammonia in the air in Zagreb] Gentilizza M, et al. **Arh Hig Rada Toksikol** 1983 Sep;34(3):193–200 (Eng. Abstr.) **(Scr)**

BLOOD

Accelerated leucine decarboxylation in the rat brain in relation to increased blood ammonia levels during acute hepatic failure. Shiota T. **Acta Med Okayama** 1984 Jun; 38(3):219–25
Comparative study of amino acid, ammonia and pancreatic hormone levels in the blood of cirrhotic patients following intragastric and intravenous administration of a branched–chain amino acid–enriched solution. Watanabe A, et al. **Acta Med Okayama** 1983 Oct;37(5):441–5
Hyperammonemia in asterixis induced by carbamazepine: two case reports. Ambrosetto G, et al. **Acta Neurol Scand** 1984 Mar;69(3):186–9
Treatment of epileptic patients with valproic acid does not modify plasma and urine short–chain–fatty acids. Zaccara G, et al. **Acta Neurol Scand** 1983 Oct;68(4):241–7
Indocyanine green clearance and ammonia tolerance in partially hepatectomized and hepatic devascularized, anesthetized dogs. Prasse KW, et al. **Am J Vet Res** 1983 Dec;44(12):2320–3
The ammonia checker [letter] Anderson D, et al. **Ann Clin Biochem** 1984 Jan;21 (Pt 1):69
A female case of ornithine transcarbamylase deficiency with marked computed tomographic abnormalities of the brain. Takayanagi M, et al. **Brain Dev** 1984;6(1):58–60
Valproate–induced hyperammonemia in asymptomatic children. Wyllie E, et al. **Cleve Clin Q** 1983 Fall;50(3):275–7
Multilayered film analysis: evaluation of ammonia and creatinine slides. Kubasik NP, et al. **Clin Biochem** 1984 Feb; 17(1):15–8
The influence of anticonvulsants on fasting plasma ammonia and amino acid levels. Verity CM, et al. **Clin Biochem** 1983 Dec;16(6):344–5
Influences of specimen processing and storage conditions on results for plasma ammonia. Howanitz JH, et al. **Clin Chem** 1984 Jun;30(6):906–8
Plasma ammonia concentrations in newborns and children. Colombo JP, et al. **Clin Chim Acta** 1984 Apr 27; 138(3):283–91
Partial ornithine transcarbamylase deficiency associated with recurrent hyperammonemia, lethargy and depressed sensorium. Oizumi J, et al. **Clin Genet** 1984 Jun; 25(6):538–42
Nondosage–dependent valproic acid–induced hyperammonemia and coma. Gaskins JD, et al. **Clin Pharm** 1984 May–Jun;3(3):313–6
Ornithine carbamoyl transferase deficiency: a neuropathological study. Harding BN, et al. **Eur J Pediatr** 1984 Feb;141(4):215–20
Hyperammonemia and valproate–induced alterations of the state of consciousness. A report of 8 cases. Zaccara G, et al. **Eur Neurol** 1984;23(2):104–12
Hepatotoxicity to sodium valproate: a review. Powell–Jackson PR, et al. **Gut** 1984 Jun;25(6):673–81 (59 ref.)
Changes in glutamate receptors on synaptic membranes associated with hepatic encephalopathy or hyperammonemia in the rabbit. Ferenci P, et al. **Hepatology** 1984 Jan–Feb;4(1):25–9
Liver ultrastructure in mitochondrial urea cycle enzyme deficiencies and comparison with Reye's syndrome. Latham PS, et al. **Hepatology** 1984 May–Jun;4(3):404–7
Blood ammonia measurement using a simple reflectometer. Ratnaike RN, et al. **J Clin Chem Clin Biochem** 1984 Jan; 22(1):105–8
Studies on the pathway from ornithine to proline in cultured skin fibroblasts with reference to the defect in hyperornithinaemia with hyperammonaemia and homocitrullinuria. Gray RG, et al. **J Inherited Metab Dis** 1983;6(4):143–8
The pH of mitochondria of fibroblasts from a hyperornithinaemia, hyperammonaemia, homocitrullinuria–syndrome patient. Metoki K, et al. **J Inherited Metab Dis** 1984;7(1):9–11
The mechanism of hyperammonaemia and hyperornithinaemia in the syndrome of hyperornithinaemia, hyperammonaemia with homocitrullinuria. Oyanagi K, et al. **J Inherited Metab Dis** 1983;6(3):133–4
Molecular basis of ornithine transcarbamylase deficiency lacking enzyme protein. Saheki T, et al. **J Inherited Metab Dis** 1984;7(1):2–8
Hyperammonemia and orotic aciduria in portacaval–shunted rats. Steele RD. **J Nutr** 1984 Jan;114(1):210–6
Arginine–responsive asymptomatic hyperammonemia in the premature infant. Batshaw ML, et al. **J Pediatr** 1984 Jul; 105(1):86–91
Modification of drug action by hyperammonemia. Kuta CC, et al. **J Pharmacol Exp Ther** 1984 Apr;229(1):85–90
Methionine sulfoximine prevents the accumulation of large neutral amino acids in brain of hyperammonemic rats. Jonung T, et al. **J Surg Res** 1984 Apr;36(4):349–53
Ammoniagenic coma following ureterosigmoidostomy. Kaufman JJ. **J Urol** 1984 Apr;131(4):743–5
Hyperammonemia in a boy with obstructive ureterocele and proteus infection. Sinha B, et al. **J Urol** 1984 Feb; 131(2):330–1
Plasma ammonia levels in preterm infants receiving parenteral nutrition with crystalline L–amino acids. Shohat M, et al. **JPEN** 1984 Mar–Apr;8(2):178–80
Ammonia intoxication in hepatic coma. Shahid A, et al. **JPMA** 1984 Jan;34(1):9–12
Increased plasma ammonia may inhibit cellular release of branched–chain amino acids in systemic portal encephalopathy. Jahn HA, et al. **Kidney Int [Suppl]** 1983 Dec;16:S67–70
Increased tryptophan uptake into the brain in hyperammonemia. Bachmann C, et al. **Life Sci** 1983 Dec 12;33(24):2417–24
Treatment of episodic hyperammonemia in children with inborn errors of urea synthesis. Brusilow SW, et al. **N Engl J Med** 1984 Jun 21;310(25):1630–4
Valproic acid–induced hyperammonemia in mentally retarded adults. Williams CA, et al. **Neurology (NY)** 1984 Apr;34(4):550–3
Acute hyperammonemia in the young primate: physiologic and neuropathologic correlates. Voorhies TM, et al. **Pediatr Res** 1983 Dec;17(12):970–5
Hyperammonemia in lysinuric protein intolerance. Kato T, et al. **Pediatrics** 1984 Apr;73(4):489–92
Pulmonary hydrogen and methane and plasma ammonia after the administration of lactulose or sorbitol. Beaven J, et al. **Scand J Gastroenterol** 1983 May;18(3):343–7
Erythrocyte ammonia in liver disease. Ratnaike RN, et al. **Scand J Gastroenterol** 1983 Jan;18(1):103–6
Neonatal lethargy due to isovaleric acidemia and hyperammonemia. Mendiola J Jr, et al. **Tex Med** 1984 Jan; 80(1):52–4
Liver pathology in transient neonatal hyperammonemia. Zimmermann A, et al. **Virchows Arch [A]** 1983;402(1):25–33
Valproate–induced hyperammonemia: role of diet. Marescaux C, et al. **World Rev Nutr Diet** 1984;43:174–8
[Transient hyperammonemia in a full–term newborn infant] Zapadlo M, et al. **Cesk Pediatr** 1984 Apr;39(4):205–7 (Eng. Abstr.) **(Cze)**
[Neonatal hyperammonemia] Jaeken J, et al. **Tijdschr Kindergeneeskd** 1983 Jun;51(3):101–4 (Eng. Abstr.) **(Dut)**
[Renal origin of hyperammonemia induced by an high–protein diet in normal rats or those with portal stricture] Imler M, et al. **Gastroenterol Clin Biol** 1983 Aug–Sep;7(8–9):740–5 (Eng. Abstr.) **(Fre)**

[Hyperammonemia and decrease of growth and nocturnal locomotion in rats with portal stricture and uremia] Imler M, et al. **Pathol Biol (Paris)** 1984 Apr;32(4):227–32 (Eng. Abstr.) **(Fre)**

[Role of hyperammonemia in stuporous states induced by sodium valproate] Warter JM, et al. **Rev Neurol (Paris)** 1983;139(12):753–7 (Eng. Abstr.) **(Fre)**

[Rett syndrome] Mix M, et al. **Kinderarztl Prax** 1984 Apr; 52(4):182–6 (Eng. Abstr.) **(Ger)**

[A new micromethod for the determination of ammonia concentrations in whole blood and plasma] Leweling H, et al. **Leber Magen Darm** 1983 Jul;13(4):160–2 (Eng. Abstr.) **(Ger)**

[Ammonium detoxication and pH regulation by the liver] Gerok W, et al. **Med Welt** 1984 Jan 13;35(1–2):28–34 **(Ger)**

[Plasma ammonia concentrations in mucoviscidosis] Puls I, et al. **Z Gesamte Inn Med** 1983 Aug 1;38(15):422–5 (Eng. Abstr.) **(Ger)**

[Correlations among hypoxia, hypercapnia and hyperammonemia in patients with cor pulmonale decompensatum] Szám I. **Z Gesamte Inn Med** 1983 Aug 1;38(15):410–3 (Eng. Abstr.) **(Ger)**

[The olfactory phenomenon in hyperkalemic periodic paralysis] Aver'ianov IuN. **Zh Nevropatol Psikhiatr** 1984; 84(3):349–51 (Eng. Abstr.) **(Rus)**

[Hyperammonemia and hypophosphoremia associated with Salmonella typhimurium infection] Labay Matias MV, et al. **An Esp Pediatr** 1984 Mar 15;20(4):422–4 **(Spa)**

DIAGNOSTIC USE

Ammonia tolerance test used to differentiate between ascites of cirrhotic and malignant genesis. Felding C, et al. **Scand J Gastroenterol** 1984 May;19(3):365–8

METABOLISM

Effects of ammonia and organic acids on the intradental sensory nerve activity. Panopoulos P, et al. **Acta Odontol Scand** 1983 Aug;41(4):209–15

The effect of pyridoxine upon the formation of free ammonia in tissue slices of the brain cortex in rats. Dostálová K, et al. **Acta Univ Palacki Olomuc Fac Med** 1976;80:195–205

The effect of different doses of thiamine on the formation of free ammonia in the rat brain cortex slices. Dostálová K, et al. **Acta Univ Palacki Olomuc Fac Med** 1976;80:207–12

Ammonia transport by the turtle urinary bladder. Arruda JA, et al. **Am J Physiol** 1984 May;246(5 Pt 2):F635–47

Hepatic ammonia metabolism in a uricotelic treefrog Phyllomedusa sauvagei. Campbell JW, et al. **Am J Physiol** 1984 May;246(5 Pt 2):R805–10

Ammonia and bicarbonate transport by thick ascending limb of rat kidney. Good DW, et al. **Am J Physiol** 1984 Jul; 247(1 Pt 2):F35–44

Ammonium transport in rat cortical tubule: relationship to potassium metabolism. Jaeger P, et al. **Am J Physiol** 1983 Nov;245(5 Pt 1):F593–600

Renal ammonia excretion and production in goldfish, Carassius auratus, at low environmental pH. King PA, et al. **Am J Physiol** 1983 Oct;245(4):R590–9

Renal ammoniagenesis and acid excretion in the dogfish, Squalus acanthias. King PA, et al. **Am J Physiol** 1983 Oct; 245(4):R581–9

Kinetic characterization of 13NH3 and [13N]glutamine metabolism in rabbit heart. Krivokapich J, et al. **Am J Physiol** 1984 Feb;246(2 Pt 2):H267–73

Handling of ammonium by the renal proximal tubule during acute metabolic acidosis. Simon E, et al. **Am J Physiol** 1983 Dec;245(6):F680–6

Effects of saline infusion on titratable acid generation and ammonia secretion. Wilcox CS, et al. **Am J Physiol** 1984 Sep;247(3 Pt 2):F506–19

The role of glutamine in regulation of ammonium transport in Azotobacter vinelandii. Jayakumar A, et al. **Arch Biochem Biophys** 1984 May 15;231(1):95–101

Quantitative assessment of urea, glucose and ammonia changes in human dental plaque and saliva following rinsing with urea and glucose. Singer DL, et al. **Arch Oral Biol** 1983;28(10):923–9

The association of maize silage with urea: the effect on the ammonia content of the rumen fluid, the N flow in the duodenum, the nitrogen and energy balances and the milk production. Teller E, et al. **Arch Tierernahr** 1984 Mar; 34(3):227–35

The kinetics of ammonia release during the catalytic cycle of pig plasma amine oxidase. Rius FX, et al. **Biochem J** 1984 Jun 15;220(3):767–72

Ethanol-induced alterations in rat hepatic ammonia metabolism. Mohanachari V, et al. **Biochem Pharmacol** 1983 Sep 15;32(18):2825–7

Inhibition of nitrogenase-catalyzed NH3 formation by H2. Guth JH, et al. **Biochemistry** 1983 Oct 25;22(22):5111–22

Incorporation of nitrogen into rumen bacterial fractions of steers given protein- and urea-containing diets. Ammonia assimilation into intracellular bacterial amino acids. Blake JS, et al. **Br J Nutr** 1983 Nov;50(3):769–82

Oxidation of ammonia and hydroxylamine to nitrate in the rat and in vitro. Saul RL, et al. **Carcinogenesis** 1984 Jan; 5(1):77–81

Hepatocyte heterogeneity in ammonia metabolism: impairment of glutamine synthesis in CCl4 induced liver cell necrosis with no effect on urea synthesis. Häussinger D, et al. **Chem Biol Interact** 1984 Feb;48(2):191–4

Study of ammonia metabolism in a patient with ornithine transcarbamylase deficiency using an 15N tracer. Kodama H, et al. **Clin Chim Acta** 1983 Aug 31;132(3):267–75

Ammonia absorption from the intestine in adult cockerels. Karasawa Y. **Comp Biochem Physiol [A]** 1984;77(1):139–41

Sodium valproate associated with phenobarbital: effects on ammonia metabolism in humans. Warter JM, et al. **Epilepsia** 1983 Oct;24(5):628–33

Uptake of methionine sulfoximine by some N2 fixing bacteria, and its effect on ammonium transport. Kleiner D, et al. **FEBS Lett** 1983 Nov 28;164(1):121–3

Measurement of respiratory tract ammonia in the rabbit and implications to sulfuric acid inhalation studies. Vollmuth TA, et al. **Fundam Appl Toxicol** 1984 Jun;4(3 Pt 1):455–64

Regulation of ammonia secretion from AMP as induced by electroaxonal transport of AMP deaminase in sheep medulla oblongata. Mohanachari V, et al. **Indian J Exp Biol** 1983 Feb;21(2):92–6

Rhizobium sp. strain ORS571 ammonium assimilation and nitrogen fixation. Donald RG, et al. **J Bacteriol** 1984 Jun; 158(3):1144–51

Ammonia production by individual segments of the rat nephron. Good DW, et al. **J Clin Invest** 1984 Mar; 73(3):602–10

Prostaglandins inhibit renal ammoniagenesis in the rat. Jones ER, et al. **J Clin Invest** 1984 Sep;74(3):992–1002

Ruminal infusion of ammonium chloride in lactating cows to determine effect of pH on ammonia trapping. Kertz AF, et al. **J Dairy Sci** 1983 Dec;66(12):2597–601

Metabolism of 15NH3 in organotypic cerebellar explants and cultured astrocytes: studies with gas chromatography–mass spectrometry. Yudkoff M, et al. **J Neurochem** 1984 Jan; 42(1):283–6

A comparison of rumen fermentation patterns in sheep and goats given a variety of diets. Hadjipanayiotou M, et al. **J Sci Food Agric** 1983 Dec;34(12):1319–22

Response of ammonia metabolism to acute acidosis. Tannen RL, et al. **Kidney Int** 1984 Jan;25(1):1–10 (104 ref.)

Peritoneal ammonia, a possible inhibitor for blood amino acid loss. Giordano C, et al. **Kidney Int [Suppl]** 1983 Dec; 16:S71–6

Hepatic encephalopathy: GABA or ammonia? [letter] Cooper AJ, et al. **Lancet** 1984 Jul 21;2(8395):158–9

The metabolic basis for the genesis of seizures: the role of the potassium–ammonia axis. Cohen PG. **Med Hypotheses** 1984 Mar;13(3):311–6

The metabolic basis for the genesis of seizures: the role of the potassium–ammonia axis. Cohen PG. **Med Hypotheses** 1984 Feb;13(2):199–204

Gluconeogenesis and ammonia production in the isolated perfused rat kidney: the effect of starvation, acidosis and diabetic ketosis. Goto E, et al. **Nagoya J Med Sci** 1984 Mar;46(1–4):67–78

Urea and ammonia metabolism in the human large intestine. Wrong OM, et al. **Proc Nutr Soc** 1984 Jan;43(1):77–86

Ammonia metabolism in the CNS. Kvamme E. **Prog Neurobiol** 1983;20(1–2):109–32

Effects of 2-oxoglutarate concentrations on canine slice ammoniagenesis. Risquez A, et al. **Renal Physiol** 1983; 6(5):218–25

Metabolic fate of ammonia in the rat after ethanol loading. Mohanachari V, et al. **Toxicol Lett** 1984 Feb;20(2):225–8

[The role of carbonic acid in the regulation of nitrogen metabolism in the animal body. 1. Effect of changes in CO2 concentration in tissues on the processes of NH+ metabolism in rabbits] Ochrimenko C, et al. **Arch Tierernahr** 1984 Feb;34(2):135–47 (Eng. Abstr.) **(Ger)**

[AMP deaminase reaction as a control system of glycolysis: regulatory mechanism of AMP deaminase–ammonium system and its physiological role] Yoshino M, et al. **Tanpakushitsu Kakusan Koso** 1983 Dec;28(13):1378–96 (152 ref.) **(Jpn)**

[Thioacetamide-induced hepatic encephalopathy in the rat. III Ammonia level and its metabolic substrates in the brain] Hilgier W. **Neuropatol Pol** 1983;21(4):511–8 (Eng. Abstr.) **(Pol)**

[Improvement in the method of determining ammonia-fixing bacteria in bodies of water] Stavskiĭ AV, et al. **Gig Sanit** 1984 Apr;(4):40–1 **(Rus)**

[The effect of zeolite (clinoptilolite) on the post-feeding dynamics of N metabolism in the portal vein, jugular vein and the rumen fluid of bulls] Jacobi U, et al. **Vet Med (Praha)** 1984 Apr;29(4):207–16 (Eng. Abstr.) **(Slo)**

PHARMACODYNAMICS

Effects of catecholamines and ammonia on plasma and brain amino acids in dogs. Strombeck DR, et al. **Am J Physiol** 1984 Aug;247(2 Pt 1):E276–83

Effect of ammonia on the quantitative clearance of Escherichia coli from lungs, air sacs, and livers of turkeys aerosol vaccinated against Escherichia coli. Nagaraja KV, et al. **Am J Vet Res** 1984 Feb;45(2):392–5

Effect of heat on virus inactivation by ammonia. Burge WD, et al. **Appl Environ Microbiol** 1983 Aug;46(2):446–51

Ammonia-activated sea urchin egg chromatin-bound proteolytic activity. Sánchez-Chiang L, et al. **Biochem Int** 1984 Feb;8(2):237–44

Ammonia, postsynaptic inhibition and CNS-energy state. Raabe W, et al. **Brain Res** 1984 Jun 11;303(1):67–76

The effect of ammonia on stalk cell formation in submerged monolayers of Dictyostelium discoideum. Neave N, et al. **Cell Differ** 1983 Dec;13(4):301–7

Ammonia intoxication and hyperpolarizing postsynaptic inhibition. Raabe W, et al. **Exp Neurol** 1983 Dec; 82(3):711–5

Effect of ammonium ion, inorganic phosphate and amino acids on the biosynthesis of protylonolide, a precursor of tylosin aglycone. Omura S, et al. **J Antibiot (Tokyo)** 1984 May;37(5):494–502

Effect of ammonia, darkness, and phenazine methosulfate on whole-cell nitrogenase activity and Fe protein modification in Rhodospirillum rubrum. Kanemoto RH, et al. **J Bacteriol** 1984 May;158(2):713–20

Effect of ammonia on amino acid uptake by brain microvessels. Cardelli-Cangiano P, et al. **J Biol Chem** 1984 Apr 25;259(8):5295–300

Chlorination of endogenous amines by isolated neutrophils. Ammonia-dependent bactericidal, cytotoxic, and cytolytic activities of the chloramines. Grisham MB, et al. **J Biol Chem** 1984 Aug 25;259(16):10404–13

Ammonia: its effects on biological systems, metabolic hormones, and reproduction. Visek WJ. **J Dairy Sci** 1984 Mar;67(3):481–98 (165 ref.)

Stimulation of germination of unactivated Bacillus cereus spores by ammonia. Preston RA, et al. **J Gen Microbiol** 1984 May;130 (Pt 5):1041–50

Species comparison of the influence of ammonia on orotic acid and urea biosynthesis in liver. Fico ME, et al. **J Nutr** 1984 Mar;114(3):613–21

Effect of atmospheric ammonia on pullets at point of lay. Deaton JW, et al. **Poult Sci** 1984 Feb;63(2):384–5

Effect of ammonia on viability and blastogenesis of bovine lymphocytes. Targowski SP, et al. **Vet Immunol Immunopathol** 1984 Jan;5(3):297–310

POISONING

Mechanism of arginine protection against ammonia intoxication in the rat. Goodman MW, et al. **Am J Physiol** 1984 Sep;247(3 Pt 1):G290–5

Inhalation of ammonia vapour. A report on the management of eight patients during the acute stages. O'Kane GJ. **Anaesthesia** 1983 Dec;38(12):1208–13

Hemodialysis, ammonia, and encephalopathy [letter] Blumenkrantz MJ, et al. **Ann Intern Med** 1984 Jan; 100(1):164

Effects of L-carnitine on urea synthesis following acute ammonia intoxication in mice. Costell M, et al. **Biochem Biophys Res Commun** 1984 May 16;120(3):726–33

Fatal ammonia inhalation. A case report with autopsy findings. Price SK, et al. **S Afr Med J** 1983 Dec 3; 64(24):952–5

[Effects of acute ammonia poisoning on cerebral amino acids metabolism in rats] Dong JM, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Mar;5(1):14–7 (Eng. Abstr.) **(Chi)**

[Necrotic processes in the gill tissue of carp caused by changes in the aquatic environment] Hornich M, et al. **Vet Med (Praha)** 1983 Oct;28(10):621–32 (Eng. Abstr.) **(Cze)**

TOXICITY

Effect of ammonia on in vivo and in vitro immune responses. Targowski SP, et al. **Infect Immun** 1984 Jan;43(1):289–93

Influence of pathological concentrations of ammonia on metabolic fate of 14C-labeled glutamate in astrocytes in primary cultures. Yu AC, et al. **J Neurochem** 1984 Feb; 42(2):594–7

Hyperplastic lesions of the primitive meninx of fathead minnows, Pimephales promelas, induced by ammonia: species potential for carcinogen testing. Smith CE. **Natl Cancer Inst Monogr** 1984 May;65:119–25

Ammonia-induced change in the hepatic glutathione level of an air-breathing freshwater teleost Channa punctatus (Bloch). Chatterjee S, et al. **Toxicol Lett** 1983 Jul; 17(3–4):329–33

[Combined effects of carbophos and ammonia after inhalation] Shibanov SE. **Gig Sanit** 1984 Jan;(1):81–2 **(Rus)**

[Effect of an increased content of ammonia in the atmosphere of a hermetic chamber on the functional state of the adrenocortical system in man] Kalandarov S, et al. **Kosm Biol Aviakosm Med** 1984 May-Jun;18(3):75–7 (Eng. Abstr.) **(Rus)**

URINE

Removal of ammonia from urine by tetraphenylboron before amino acid analysis [letter] Turnell DC, et al. **Clin Chem** 1984 Apr;30(4):588–9

The impact of acetazolamide on renal ammoniagenesis and gluconeogenesis. Tannen RL, et al. **J Lab Clin Med** 1983 Oct;102(4):536–42

AMMONIA-LYASES

Stereochemistry of the rearrangement of 2-aminoethanol by ethanolamine ammonia-lyase. Gani D, et al. **Eur J Biochem** 1983 Nov 2;136(2):303–11

ANTAGONISTS & INHIBITORS

Modification of hydroxymethylbilane synthase

(porphobilinogen deaminase) by pyridoxal 5'-phosphate. Demonstration of an essential lysine residue. Hart GJ, et al. **Biochem J** 1984 Aug 15;222(1):93-102

Comparative inhibition of hepatic hydroxymethylbilane synthase by both hard and soft metal cations. Farmer DJ, et al. **Can J Biochem Cell Biol** 1984 Jan;62(1):49-54

Inhibition of uroporphyrinogen I synthase activity and depression of microsomal heme and cytochrome P-450 in rat liver by bilirubin. Kohashi M, et al. **Life Sci** 1984 Jan 9;34(2):193-6

BIOSYNTHESIS

Studies on the induction of histidase in Vibrio el tor under nitrofurantoin resistant conditions. Haldar S, et al. **Acta Microbiol Pol** 1983;32(2):147-52

Phytoalexin synthesis in soybean cells: elicitor induction of phenylalanine ammonia-lyase and chalcone synthase mRNAs and correlation with phytoalexin accumulation. Ebel J, et al. **Arch Biochem Biophys** 1984 Jul;232(1):240-8

Effect of Zajdela ascites hepatoma on the activity and synthesis of liver histidase of tumor-bearing rats. Fedorov SA, et al. **Cancer Lett** 1984 May;23(1):67-71

2-Ketoglutarate and the regulation of aconitase and histidase formation in Bacillus subtilis. Fisher SH, et al. **J Bacteriol** 1984 Apr;158(1):379-82

Interrelationships between the enzymes of ethanolamine metabolism in Escherichia coli. Jones PW, et al. **J Gen Microbiol** 1984 Feb;130 (Pt 2):299-308

BLOOD

A filter paper dry blood spot procedure for acute intermittent porphyria population screening by use of whole blood uroporphyrinogen-I-synthase assay. Johansson L, et al. **Clin Chim Acta** 1984 Mar 13;137(3):317-31

Erythrocyte uroporphyrinogen-I-synthase activity in beta-thalassaemic patients. Lyberatos C, et al. **Eur J Clin Invest** 1983 Dec;13(6):461-3

[Effect of phenazepam and seduxen on the presence of histidase and urokinase in the blood] Korotkina RN, et al. **Vopr Med Khim** 1983 Nov-Dec;29(6):93-6 (Eng. Abstr.) **(Rus)**

DEFICIENCY

An autopsy case of acute porphyria with a decrease of both uroporphyrinogen I synthetase and ferrochelatase activities. Yamada M, et al. **Acta Neuropathol (Berl)** 1984; 64(1):6-11

GENETICS

Genetic regulation of the red cell uroporphyrinogen-I-synthetase level in families with acute intermittent porphyria. Wetterberg L, et al. **Clin Genet** 1983 Dec;24(6):403-6

Cell-free synthesis of enzymatically active phenylalanine ammonia lyase protein in wheat germ system using mRNA isolated from gamma-irradiated potato bud tissue. Ussuf KK, et al. **Indian J Biochem Biophys** 1983 Apr;20(2):92-5

Cloning of the aspartase gene (aspA) of Escherichia coli. Guest JR, et al. **J Gen Microbiol** 1984 May;130 (Pt 5):1271-8

Molecular cloning of a cDNA sequence complementary to porphobilinogen deaminase mRNA from rat. Grandchamp B, et al. **Proc Natl Acad Sci USA** 1984 Aug;81(16):5036-40

METABOLISM

Characterization of the multiple forms of hydroxymethylbilane synthase from rat spleen. Williams DC. **Biochem J** 1984 Feb 1;217(3):675-83

Biosynthesis of uroporphyrinogens. Interaction among 2-(aminomethyl)bilanes and the enzymatic system. Sburlati A, et al. **Biochemistry** 1983 Aug 16;22(17):4006-13

Acetylation-induced alteration of catalytic and regulatory properties of aspartase. Yumoto N, et al. **Biochim Biophys Acta** 1983 Nov 28;749(1):101-5

The mechanism of action of ethanolamine ammonia-lyase, an adenosylcobalamin-dependent enzyme. Evidence for a carboxyl group at the active site. Kopczynski MG, et al. **J Biol Chem** 1984 Jun 25;259(12):7652-4

[Enzymatic conversion of L-histidine to urocanic acid using immobilized histidase from the rat liver] Kozlov EA, et al. **Vopr Med Khim** 1983 Nov-Dec;29(6):76-9 (Eng. Abstr.) **(Rus)**

AMMONIUM CHLORIDE

ADMINISTRATION & DOSAGE

Methenamine mandelate with acidification: an effective urinary antiseptic in patients with neurogenic bladder. Kevorkian CG, et al. **Mayo Clin Proc** 1984 Aug;59(8):523-9

BLOOD

Determination of factor XIII activity and of factor XIII inhibitors using an ammonium-sensitive electrode. Hellstern P, et al. **Thromb Haemost** 1983 Aug 30; 50(2):563-6

METABOLISM

Ruminal infusion of ammonium chloride in lactating cows to determine effect of pH on ammonia trapping. Kertz AF, et al. **J Dairy Sci** 1983 Dec;66(12):2597-601

[A model of non-electrogenic cation transport through bilayer lipid membranes] Antonenko IuN, et al. **Biofizika** 1984 Mar-Apr;29(2):232-6 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Thyroparathyroidectomy exaggerates calciuric action of ammonium chloride in rats. Goulding A, et al. **Am J Physiol** 1984 Jan;246(1 Pt 2):F54-8

Effects of ammonium chloride on resorption of fetal rat bones in organ culture. Johannesson AJ, et al. **Am J Physiol** 1984 Jun;246(6 Pt 1):E516-8

Ammonium chloride and chloroquine inhibit rabies virus infection in neuroblastoma cells. Brief report. Tsiang H, et al. **Arch Virol** 1984;81(3-4):377-82

Inhibition of urea synthesis by pent-4-enoic acid: potentiation by ammonia. Coude FX, et al. **Biochem Biophys Res Commun** 1984 Jan 13;118(1):47-52

Glycosylation of proteins from sugar nucleotides by whole cells. Effect of ammonium chloride treatment on mouse thymocytes. Cecchelli R, et al. **Biochem J** 1983 Dec 15; 216(3):681-6

Biosynthesis and transport of lysosomal enzymes in human monocytes and macrophages. Effects of ammonium chloride, zymosan and tunicamycin. Imort M, et al. **Biochem J** 1983 Sep 15;214(3):671-8

Inhibition of some spontaneous secretory processes in macrophages and fibroblasts by ammonium chloride. Jessup W, et al. **Biochem Pharmacol** 1983 Sep 15;32(18):2703-10

Effects of ammonium chloride and chloroquine on endocytic uptake of liposomes by Kupffer cells in vitro. Dijkstra J, et al. **Biochim Biophys Acta** 1984 May 22;804(1):58-67

Effect of external ammonium on the kinetics of the sodium current in frog muscle. Suput D. **Biochim Biophys Acta** 1984 Mar 28;771(1):1-8

The elucidation of the effect of ammonium chloride on pyruvate distribution and pyruvate dehydrogenase interconversion in isolated rat hepatocytes. Walajtys-Rode EI, et al. **Int J Biochem** 1984;16(6):675-80

Evaluation of ammonium chloride as a urinary acidifier in the cat. Taton GF, et al. **J Am Vet Med Assoc** 1984 Feb 15;184(4):433-6

Inhibition of nitrogenase activity by ammonium chloride in Azotobacter vinelandii. Klugkist J, et al. **J Bacteriol** 1984 Jan;157(1):148-51

Isolation of chloroquine-resistant Chinese hamster V79 cell variants that are also resistant to ammonium chloride. Ono M, et al. **J Biochem (Tokyo)** 1983 Nov;94(5):1493-503

Ammonia inhibits protein synthesis in slices from young rat brain. Schott K, et al. **J Neurochem** 1984 Mar;42(3):644-6

Calcium status of the growing rat as affected by diet acidity from ammonium chloride, phosphate and protein. Petito SL, et al. **J Nutr** 1984 Jun;114(6):1049-59

Effect of ammonium on bacterial adherence to bladder transitional epithelium. Parsons CL, et al. **J Urol** 1984 Aug; 132(2):365-6

Hypocalciuric effects of hydrochlorothiazide in the rat during NaHCO3, NaCl and NH4Cl loading. Goulding A, et al. **Renal Physiol** 1984 May-Jun;7(3):185-91

Effect of lysosomotropic agents on the foot-and-mouth disease virus replication. Carrillo EC, et al. **Virology** 1984 Jun;135(2):542-5

THERAPEUTIC USE

Forced acid diuresis and stellate ganglion block in the treatment of quinine poisoning. Thomas D. **Anaesthesia** 1984 Mar;39(3):257-60

Urinary acidifiers in phencyclidine detoxification. Simpson GM, et al. **Hillside J Clin Psychiatry** 1983;5(2):161-8

Urinary acidification in the prevention and treatment of feline struvite urolithiasis. Taton GF, et al. **J Am Vet Med Assoc** 1984 Feb 15;184(4):437-43

[Treatment of infection stones. I. Dissolution of experimental infection stones in rats] Takeuchi H, et al. **Hinyokika Kiyo** 1983 Mar;29(3):293-6 (Eng. Abstr.) **(Jpn)**

AMMONIUM COMPOUNDS

see related
PYRIDINIUM COMPOUNDS
QUINOLINIUM COMPOUNDS

Use of benzyldimethyl-n-hexadecylammonium chloride ('16-BAC'), a cationic detergent, in an acidic polyacrylamide gel electrophoresis system to detect base labile protein methylation in intact cells. Macfarlane DE. **Anal Biochem** 1983 Jul 15;132(2):231-5

Affinity purification of mycobacterial polymethyl polysaccharides and a study of polysaccharide-lipid interactions by 1H NMR. Hindsgaul O, et al. **Biochemistry** 1984 Jan 31;23(3):577-84

Two-dimensional gel electrophoresis of membrane proteins using anionic and cationic detergents. Application to the study of mitochondrial F0-F1-ATPase. Penin F, et al. **Biochim Biophys Acta** 1984 Aug 22;775(2):239-45

Electrothermal atomic absorption determination of aluminum in tissues dissolved in tetramethyl ammonium hydroxide. Stevens BJ. **Clin Chem** 1984 May;30(5):745-7

Disinfection of gastrointestinal fibrescopes--evaluation of the disinfectants Dettox and Gigasept. O'Connor HJ, et al. **Endoscopy** 1983 Nov;15(6):350-2

Stability of antibiotics bound to polytetrafluoroethylene with cationic surfactants. Donetz AP, et al. **J Clin Microbiol** 1984 Jan;19(1):1-3

Ab initio molecular orbital calculations of electron distribution in tetramethylammonium ion. Barrett AN, et al. **Mol Pharmacol** 1983 Nov;24(3):443-8

Light driven transport of bilirubin through a bulk liquid membrane. Eichinger D, et al. **Photochem Photobiol** 1983 Aug;38(2):193-5

ADMINISTRATION & DOSAGE

Umbilical cord care. A study of bacitracin ointment vs. triple dye. Andrich MP, et al. **Clin Pediatr (Phila)** 1984 Jun; 23(6):342-4

ADVERSE EFFECTS

Infantile methemoglobinemia induced by a topical anesthetic, Cetacaine. Seibert RW, et al. **Laryngoscope** 1984 Jun; 94(6):816-7

Cetrimide burn in an infant. Mercer DM. **Postgrad Med J** 1983 Jul;59(693):472-3

Drug-induced oesophagitis [letter] Jeffery PC, et al. **S Afr Med J** 1983 Dec 31;64(28):1081

[Acute drug-induced esophageal lesions] Becouarn Y, et al. **Gastroenterol Clin Biol** 1983 Nov;7(11):868-76 (99 ref.) **(Fre)**

ANALYSIS

Semiautomated determination of tridihexethyl chloride in meprobamate tablets. Kirchhoefer RD. **J Assoc Off Anal Chem** 1984 Jul-Aug;67(4):677-8

Determination of tetramethylammonium ion in shellfish by ion chromatography. Saitoh H, et al. **J Chromatogr** 1983 Dec 23;281:397-402

Development of a sensitive radioreceptor assay for oxyphenonium in plasma and urine. Ensing K, et al. **J Pharm Pharmacol** 1984 Apr;36(4):235-9

BLOOD

Blood lactate and ammonium ion accumulation during graded exercise in humans. Buono MJ, et al. **J Appl Physiol** 1984 Jul;57(1):135-9

CHEMICAL SYNTHESIS

[The effect of new quaternary ammonium compounds on bacteria and fungi. 5: Synthesis of 3-methyl-n-alkylthiomethylpyridinium-, 1-methyl-3-n-alkylthiomethylimidazolium- and 1-ethyl-3-n-alkylthioimidazolinium chloride] Pernak J, et al. **Pharmazie** 1983 Nov;38(11):752-4 (Eng. Abstr.) **(Ger)**

[Studies onspasmolytics. IV. Synthesis and anticholinergic activity of N-(2-acyloxyethyl)-N-(1,3-dioxolan-2-and 4-ylmethyl)-N,N-dimethylammonium derivatives] Sugai S, et al. **Yakugaku Zasshi** 1983 Oct;103(10):1034-41 (Eng. Abstr.) **(Jpn)**

DIAGNOSTIC USE

Use of a zwitterionic detergent for the restoration of the antibody-binding capacity of electroblotted meningococcal outer membrane proteins. Mandrell RE, et al. **J Immunol Methods** 1984 Feb 24;67(1):1-11

IMMUNOLOGY

Substituted ammonium ions as allergenic determinants in drug allergy. Baldo BA, et al. **Nature** 1983 Nov 17-23; 306(5940):262-4

METABOLISM

Metabolic fate of ammonium salts of synthetic phosphatidic acids after application per os. Rauch P, et al. **Ann Nutr Metab** 1984;28(2):130-6

An immunochemical approach to the identification of the MBTA binding site of the nicotinic acetylcholine receptor of Torpedo californica. Cahill S, et al. **Biochem Biophys Res Commun** 1984 Jul 31;122(2):602-8

Radioreceptor assay for oxyphenonium. Ensing K, et al. **Eur J Respir Dis [Suppl]** 1984;135:143-6

'Do abnormalities in agonist receptor-binding reflect the activation of the receptor?' An interpretation of the inhibition of 3H-dexetimide binding to the muscarinic receptor by a series of furtrethonium derivatives. Huisman GN, et al. **Eur J Respir Dis [Suppl]** 1984;135:161-3

Biodegradation and utilization of quaternary alkylammonium compounds by specialized methylotrophs. Ghisalba O, et al. **Experientia** 1983 Nov 15;39(11):1264-71

Percutaneous absorption of an antimicrobial organosilicon quarternary ammonium chloride in rabbits. Siddiqui WH, et al. **J Appl Toxicol** 1983 Jun;3(3):146-9

PHARMACODYNAMICS

Effect of the adjuvant dimethyl dioctadecyl ammonium bromide on the humoral and cellular immune responses to encephalomyocarditis virus. Kraaijeveld CA, et al. **Antiviral Res** 1983 Sep;3(3):137-49

Octylonium bromide: a smooth muscle relaxant which interferes with calcium ions mobilization. Maggi CA, et al. **Arch Int Pharmacodyn Ther** 1983 Aug;264(2):305-23

Depression of nitrate reductase in the presence of excess ammonium in a unicellular alga growing under conditions of phosphate limitation. Di Martino Rigano V, et al. **Biochem Biophys Res Commun** 1984 Feb 29;119(1):259–64

Protective effect of oral oxyphenonium bromide, terbutaline and theophylline against the bronchial obstructive effects of inhaled histamine, acetylcholine and propranolol. Koëter GH, et al. **Eur J Clin Pharmacol** 1984;26(4):435–41

The effect of iron on ferritin turnover in rat liver. Treffry A, et al. **FEBS Lett** 1984 Jan 9;165(2):243–6

Interaction of cationic detergents, cetyl- and dodecyl-trimethylammonium bromides, with lysozyme. Subramanian M, et al. **J Biochem (Tokyo)** 1984 Feb; 95(2):413–21

Non-enhancement of sodium cromoglycate intestinal absorption by quaternary ammonium ions. An effect of salt on ion-pair formation? Schurgers N, et al. **J Pharm Pharmacol** 1984 Jan;36(1):45

Correlation of agonist structure with acetylcholine receptor kinetics: studies on the frog end-plate and on chick embryo muscle. Auerbach A, et al. **J Physiol (Lond)** 1983 Oct; 343:551–68

The asymmetrical effects of some ionized n-octyl derivatives on the sodium current of the giant axon of Loligo forbesi. Elliott JR, et al. **J Physiol (Lond)** 1984 May;350:429–45

The effect of iron on mixed infection of Bacteroides fragilis and Escherichia coli in mice. Ward CG, et al. **J Surg Res** 1983 Oct;35(4):351–3

Plasmid-mediated resistance to quaternary ammonium compounds in methicillin-resistant Staphylococcus aureus [letter] Townsend DE, et al. **Med J Aust** 1983 Oct 1; 2(7):310

Comparison of the muscarinic receptor binding activity of some tertiary amines and their quaternary ammonium analogues. Ehlert FJ, et al. **Mol Pharmacol** 1984 Jan; 25(1):46–50

Channel-blocking activity is a possible mechanism for a selective ganglionic blockade. Skok VI, et al. **Pflugers Arch** 1983 Jul;398(2):169–71

Conformational changes in mitochondrial aspartate aminotransferase detected by a covalently attached fluorescent probe. Sandmeier E, et al. **Prog Clin Biol Res** 1984;144B:117–24

Promotion of Pasteurella haemolytica infection in mice by iron. Al-Sultan II, et al. **Res Vet Sci** 1984 May;36(3):385–6

Influence of feeding chlorocholine chloride and glyphosine on selected immune parameters in deer mice, Peromyscus maniculatus. Olson LJ, et al. **Toxicology** 1984 Mar; 30(2):103–14

[Correlation between the antimicrobial activity of quaternary ammonium salts of heptacaine against Staphylococcus aureus and the extraction constant of ion pairs] Cižmárik J, et al. **Pharmazie** 1983 Nov;38(11):789–90 **(Ger)**

[Distance between the ammonium groups of polymethylene bistrimethyl-ammonium compounds based on theoretical conformational analysis data] Rozengart EV, et al. **Dokl Akad Nauk SSSR** 1983;273(2):505–8 **(Rus)**

[Structure of the site of nicotinic cholinoreceptor binding with bis-ammonium blockers of synaptic transmission] Skok VI. **Dokl Akad Nauk SSSR** 1983 Nov-Dec; 273(1):246–8 **(Rus)**

[Mechanism of ethonium effect on membrane preparations of brain Na+, K+-ATPase] Nazarenko VI, et al. **Ukr Biokhim Zh** 1983 Jul-Aug;55(4):398–402 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Treatment of venous ulcers using variclene. Allenby CF, et al. **Br J Clin Pract** 1983 Nov-Dec;37(11-12):382–4

Dose-ranging studies of clofilium, an antiarrhythmic quaternary ammonium. Platia EV, et al. **Clin Pharmacol Ther** 1984 Feb;35(2):193–202

Activity and tolerability of domifen bromide in patients affected by acute infectious dental diseases: a double-blind placebo-controlled trial. Scaglione F, et al. **Int J Clin Pharmacol Res** 1983;3(5):357–61

Evaluation of domifen bromide in the treatment of acute infectious oral diseases. Scaglione F, et al. **Int J Clin Pharmacol Res** 1983;3(4):261–4

Cranial dystonia: double-blind crossover study of anticholinergics. Nutt JG, et al. **Neurology (NY)** 1984 Feb; 34(2):215–7

Efficacy of emepronium bromide in the treatment of physiological incontinence in the bitch. Holt PE. **Vet Rec** 1984 Apr 7;114(14):355–6

Efficacy of emepronium bromide [letter] Prior JE. **Vet Rec** 1984 Apr 21;114(16):412

[Controlled clinical study on the efficacy of tiropramide hydrochloride in the treatment of irritable colon: comparison with octylonium bromide] Tinozzi S, et al. **Minerva Med** 1984 Jan 14;75(1-2):23–31 (Eng. Abstr.) **(Ita)**

[Effect of pentamine on vascular tissue metabolism in experimental vascular pathology] Nikulin AA, et al. **Farmakol Toksikol** 1984 Jan-Feb;47(1):57–63 (Eng. Abstr.) **(Rus)**

[Treatment of purulent wounds with ethonium] Kavkalo DN. **Klin Khir** 1984 Jan;(1):47–9 (Eng. Abstr.) **(Rus)**

TOXICITY

Rapid methods in studies on the genetic changes induced by chemicals. Mikucki J, et al. **J Environ Sci Health [B]** 1983 Aug;18(4-5):529–51

Effects of ingestion of chlorocholine chloride and cyclophosphamide on Venezuelan equine encephalitis virus infections in deer mice (Peromyscus maniculatus). Fairbrother A, et al. **Toxicology** 1984 May 1;31(1):67–71

[Antiheparin and toxic properties of quaternary ammonium salts of the monodispersed oligomers of conidine] Efimov VS, et al. **Farmakol Toksikol** 1983 Jul-Aug;46(4):57–61 (Eng. Abstr.) **(Rus)**

[Oxidation and reduction of glutathione in rat organs during the administration of ethonium] Meshchishen IF, et al. **Ukr Biokhim Zh** 1983 Sep-Oct;55(5):571–3 (Eng. Abstr.) **(Rus)**

URINE

High-performance liquid chromatographic analysis of ammonium in human urine. Mizobuchi M, et al. **Anal Biochem** 1984 Feb;137(1):88–92

The effect of catecholamines on H+ and NH+4 excretion in toad urinary bladder. Frazier LW. **Comp Biochem Physiol [C]** 1983;75(2):321–6

AMMONIUM SULFATE

Partial purification of fatty-acid binding protein by ammonium sulphate fractionation. Avanzati B, et al. **Arch Int Physiol Biochim** 1983 Jul;91(2):103–8

A method for removal of interference by ammonium sulphate in protein assay by Lowry's method. Makkar HP, et al. **Indian J Biochem Biophys** 1983 Oct;20(5):306–8

IMMUNOLOGY

Effects of subchronic exposure to a mixture of O3, SO2, and (NH4)2SO4 on host defenses of mice. Aranyi C, et al. **J Toxicol Environ Health** 1983 Jul;12(1):55–71

PHARMACODYNAMICS

Effects of ammonium sulfate aerosol exposure on lung structure of normal and elastase-impaired rats and guinea pigs. Busch RH, et al. **Environ Res** 1984 Apr;33(2):454–72

Stimulation of RNA polymerases from mouse spleen by polyamines and its modification by ammonium sulfate. Blair DG. **Int J Biochem** 1984;16(7):747–56

TOXICITY

Sulfur dioxide and ammonium sulfate effects on pulmonary function and bronchial reactivity in human subjects. Kulle TJ, et al. **Am Ind Hyg Assoc J** 1984 Mar;45(3):156–61

Comparison of methods for evaluation of experimentally induced emphysema. Busch RH, et al. **Environ Res** 1984 Apr;33(2):473–96

Comparative irritant potency of inhaled sulfate aerosols—effects on bronchial mucociliary clearance. Schlesinger RB. **Environ Res** 1984 Aug;34(2):268–79

Ammonium ion suppresses the biosynthesis of tylosin aglycone by interference with valine catabolism in Streptomyces fradiae. Omura S, et al. **J Antibiot (Tokyo)** 1983 Dec;36(12):1792–4

AMMOTHERAPY

Removal of Harderian exudates by sandbathing contributes to osmotic balance in Mongolian gerbils. Harriman AE, et al. **Physiol Behav** 1983 Sep;31(3):317–23

AMNESIA

CHEMICALLY INDUCED

Brain glutamate inhibition and amnesia: evidence provided by proline analog action. Pico RM, et al. **Brain Res** 1983 Aug;285(2):227–30

Memory modulation by the administration of ACTH, adrenaline or beta-endorphin after training or prior to testing in an inhibitory avoidance task in rats. Dias RD, et al. **Braz J Med Biol Res** 1983 Dec;16(4):333–7

Endogenous state-dependency:memory regulation by post-training and pre-testing administration of ACTH, beta -endorphin, adrenaline and tyramine. Izquierdo I, et al. **Braz J Med Biol Res** 1983 Apr;16(1):55–64

Anterograde amnesia with oral lorazepam. Scharf MB, et al. **J Clin Psychiatry** 1983 Oct;44(10):362–4

Differential amnestic properties of short- and long-acting benzodiazepines. Scharf MB, et al. **J Clin Psychiatry** 1984 Feb;45(2):51–3

Triazolam and anterograde amnesia: all is not well in the Z-zone [editorial] Shader RI, et al. **J Clin Psychopharmacol** 1983 Oct;3(5):273

Amnesia-producing drugs affect hippocampal frequency potentiation. Brown MW, et al. **Neuroscience** 1983 Nov; 10(3):697–706

Amnesia attenuation specificity: propranolol reverses norepinephrine but not cycloheximide-induced amnesia. Ellis ME, et al. **Pharmacol Biochem Behav** 1983 Nov; 19(5):733–6

The nature of lorazepam-induced amnesia. Lister RG, et al. **Psychopharmacology (Berlin)** 1984;83(2):183–7

Amnesic effects of lormetazepam. Roehrs T, et al. **Psychopharmacology Suppl** 1984;1:165–72

COMPLICATIONS

The relationship between seizures and amnesia in experimental epilepsy. Mellanby J, et al. **Acta Neurol Scand [Suppl]** 1984;99:119–24

Retrograde amnesia in Parkinson's disease. Freedman M, et al. **Can J Neurol Sci** 1984 May;11(2):297–301

DIAGNOSIS

The possible use of auto-hypnosis as a resistance during hypnotherapy. Miller RD. **Int J Clin Exp Hypn** 1984 Apr; 32(2):236–47

Transient topographical amnesia [letter] Moretti G, et al. **Ital J Neurol Sci** 1983 Sep;4(3):361

Juvenile transient global amnesia [letter] Dinsmore WW, et al. **J Neurol Neurosurg Psychiatry** 1983 Sep;46(9):876–7

A new technique for the assessment and modification of feigned memory deficit. Pankratz L. **Percept Mot Skills** 1983 Oct;57(2):367–72

[Different amnesic syndromes. Semiology and anatomo-clinical correlations] Assal G. **Rev Med Suisse Romande** 1983 Dec;103(12):1013–24 **(Fre)**

[An amnesic adolescent] Marcelli D, et al. **Sem Hop Paris** 1983 Dec 15;59(47):3302–8 (Eng. Abstr.) **(Fre)**

[Transient global amnesia in a 14-year-old boy] Bennet R, et al. **Lakartidningen** 1984 Feb 8;81(6):440 **(Swe)**

DRUG THERAPY

Amnesia-reversal activity of a series of N-[(disubstituted-amino)alkyl] -2-oxo-1-pyrrolidineacetamides, including pramiracetam. Butler DE, et al. **J Med Chem** 1984 May;27(5):684–91

Intracerebroventricular somatostatin attenuates electroconvulsive shock-induced amnesia in rats. Vécsei L, et al. **Peptides (Fayetteville)** 1983 May-Jun;4(3):293–5

[Nootropic and anxiolytic properties of endogenous ligands of benzodiazepine receptors and their structural analogs] Akhundov RA, et al. **Biull Eksp Biol Med** 1984 Feb; 97(2):174–7 (Eng. Abstr.) **(Rus)**

[Nootropic properties of gamma-aminobutyric acid derivatives] Ostrovskaia RU, et al. **Biull Eksp Biol Med** 1984 Feb;97(2):170–2 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Memory loss. Wood RA. **Br Med J [Clin Res]** 1984 May 12;288(6428):1443–7

Memory failures in everyday life following severe head injury. Sunderland A, et al. **J Clin Neuropsychol** 1984 May; 6(2):127–42

Amnesia after anterior communicating artery aneurysm rupture. Alexander MP, et al. **Neurology (NY)** 1984 Jun; 34(6):752–7

Amnesia with hippocampal lesions after cardiopulmonary arrest. Cummings JL, et al. **Neurology (NY)** 1984 May; 34(5):679–81

The relationship between induced emotional arousal and amnesia. Christianson SA. **Scand J Psychol** 1984; 25(2):147–60

Transient global amnesia. Logan W, et al. **Stroke** 1983 Nov-Dec;14(6):1005–7

[Episodes of amnesia following whiplash injury to the cervical spine] Heckl RW, et al. **Aktuel Traumatol** 1984 Feb;14(1):33–6 (Eng. Abstr.) **(Ger)**

[Acute-onset amnestic syndrome due to unilateral paramedian thalamic infarct on the dominant side] Akiguchi I, et al. **Rinsho Shinkeigaku** 1983 Nov; 23(11):948–55 (Eng. Abstr.) **(Jpn)**

[Case of amnestic stroke] Marks E. **Wiad Lek** 1983 Jun 1; 36(11):939–40 (Eng. Abstr.) **(Pol)**

HISTORY

Early concepts of anterograde and retrograde amnesia. Levin HS, et al. **Cortex** 1983 Dec;19(4):427–40

PHYSIOPATHOLOGY

Transient global amnesia [letter] Cochran JW. **Arch Neurol** 1984 Jun;41(6):585

The transient global amnesia-migraine connection. Crowell GF, et al. **Arch Neurol** 1984 Jan;41(1):75–9

Long gradient of retrograde amnesia in mice: continuity with the findings in humans. Squire LR, et al. **Behav Neurosci** 1984 Apr;98(2):345–8

Can amnesia be caused by damage of a single brain structure? Markowitsch HJ. **Cortex** 1984 Mar;20(1):27–45

Can postictal suppression of the perforant path - fascia dentata responses account for the ECS-induced anterograde amnesia in rats? Peréz-Saad H, et al. **Experientia** 1984 Jul 15;40(7):761–3

The effects of sulfated and nonsulfated cholecystokinin octapeptides on electroconvulsive shock-induced retrograde amnesia after intracerebroventricular administration in rats. Kádár T, et al. **Neuropeptides** 1984 Mar;4(2):127–35

The effects of somatostatin, its fragments and an analog on electroconvulsive shock-induced amnesia in rats. Vécsei L, et al. **Neuropeptides** 1984 Mar;4(2):137–43

Evoked potential correlates of posttraumatic amnesia after closed head injury. Papanicolaou AC, et al. **Neurosurgery** 1984 Jun;14(6):676–8

Amnesia induced by stimulation of the amygdala is attenuated by hexamethonium. Martinez JL Jr, et al. **Psychopharmacology (Berlin)** 1983;81(4):310–4

[Transient global amnesia: an episode of long duration (letter)] Matías-Guiu Guía J, et al. **Med Clin (Barc)** 1984 Mar 3;82(8):382 **(Spa)**

PREVENTION & CONTROL

The effects of various antiepileptic drugs on E-shock-induced amnesia in mice: dissociability of effects on convulsions and effects on memory. Mondadori C, et al. **Acta Neurol Scand [Suppl]** 1984;99:125–9

Dexamethasone in electroconvulsive therapy: efficacy for depression and post-ECT amnesia. Horne RL, et al. **Biol Psychiatry** 1984 Jan;19(1):13–27

PSYCHOLOGY

Residual verbal learning capability: two patients with amnesia caused by a left occipital lesion. Grossi D, et al. **Acta Neurol (Napoli)** 1984 Jun;6(3):215–21

The effect of memory impairment on verbal recognition scores and the marking of acoustic and semantic distractors. Warren EW, et al. **Br J Clin Psychol** 1983 Sep;22 (Pt 3):215–6

Memory symptoms and memory performance of neurological patients. Kapur N, et al. **Br J Psychol** 1983 Aug;74 (Pt 3):409–15

Inter-relationships among retrograde amnesia, post-traumatic amnesia, and time since head injury: a retrospective study. Crovitz HF, et al. **Cortex** 1983 Sep; 19(3):407–12

Color 'amnesia' without aphasia. Varney NR, et al. **Cortex** 1983 Dec;19(4):545–50

Spontaneous recovery of memory during posthypnotic amnesia. Kihlstrom JF, et al. **Int J Clin Exp Hypn** 1983 Oct;31(4):309–23

Activation of existing memories in anterograde amnesia. Diamond R, et al. **J Abnorm Psychol** 1984 Feb;93(1):98–105

Temporal organization of recall during posthypnotic amnesia. Kihlstrom JF, et al. **J Abnorm Psychol** 1984 May; 93(2):200–8

The clinical aspects of memory disorders: contributions from experimental studies of amnesia and dementia. Butters N. **J Clin Neuropsychol** 1984 Feb;6(1):17–36

Mechanisms of hypnotic and nonhypnotic forgetting. Geiselman RE, et al. **J Exp Psychol [Learn Mem Cogn]** 1983 Oct;9(4):626–35

Transient global amnesia: neuropsychological dysfunction during attack and recovery in two 'pure' cases. Regard M, et al. **J Neurol Neurosurg Psychiatry** 1984 Jul; 47(7):668–72

Neuropsychological abnormalities associated with severe head injury. Warren JB, et al. **J Neurosurg Nurs** 1984 Feb; 16(1):30–5

Failure of preference formation in amnesia. Redington K, et al. **Neurology (NY)** 1984 Apr;34(4):536–8

Patterns of confidence loss in the cued recall of normal people with attenuated recognition memory: their relevance to a similar amnesic phenomenon. Meudell PR, et al. **Neuropsychologia** 1984;22(1):41–54

Preserved memory in retrograde amnesia: sparing of a recently acquired skill. Squire LR, et al. **Neuropsychologia** 1984;22(2):145–52

Amnesia in a patient with bilateral lesions to the thalamus. Winocur G, et al. **Neuropsychologia** 1984;22(2):123–43

Recall of remote episodic memory in amnesia. Zola-Morgan S, et al. **Neuropsychologia** 1983;21(5):487–500

[Function of ECS as a cue in retrograde amnesia in the rat] Morii Y. **Shinrigaku Kenkyu** 1984 Feb;54(6):337–43 (Eng. Abstr.) **(Jpn)**

THERAPY

An individualized memory retraining program after closed-head injury: a single-case study. Crosson B, et al. **J Clin Neuropsychol** 1984 Aug;6(3):287–301

Concentration and mnemonic training in elderly subjects with memory complaints: a study of combined therapy and order effects. Yesavage JA, et al. **Psychiatry Res** 1983 Jun; 9(2):157–67

AMNESIA, RETROGRADE see under **AMNESIA**

AMNIOCENTESIS

Mosaicism in amniotic fluid cell cultures: classification and significance. Hoehn H, et al. **Am J Med Genet** 1978; 2(3):253–66 (45 ref.)

Prenatal cytogenetic diagnosis: first 1,000 successful cases. Hsu LY, et al. **Am J Med Genet** 1978;2(4):365–83

Small marker chromosome mosaicism confirmed in two cases ascertained prenatally. Kohn G, et al. **Am J Med Genet** 1978;2(2):167–73

Eligibility criteria for amniocentesis. Vekemans M, et al. **Am J Med Genet** 1984 Feb;17(2):531–3

Niemann-Pick disease: prenatal diagnoses and studies of sphingomyelinase activities. Wenger DA, et al. **Am J Med Genet** 1978;2(4):345–56

When is an amniocentesis for fetal maturity unnecessary in nondiabetic pregnancies at risk? Gross TL, et al. **Am J Obstet Gynecol** 1984 Jun 1;149(3):311–9

Genetic amniocentesis in seventy twin pregnancies. Librach CL, et al. **Am J Obstet Gynecol** 1984 Mar 1;148(5):585–91

The effect of prenatal diagnosis on the incidence of Down syndrome in Western Australia. Mulcahy MT. **Aust NZ J Obstet Gynaecol** 1983 Nov;23(4):197–8

Prenatal diagnosis. Amniocentesis. McNay MB, et al. **Br J Hosp Med** 1984 Jun;31(6):406–7, 410–11, 13 passim (49 ref.)

Inherited metabolic disorders. Patrick AD. **Br Med Bull** 1983 Oct;39(4):378–85 (78 ref.)

Second-trimester amniocentesis and termination of pregnancy. Turnbull AC, et al. **Br Med Bull** 1983 Oct; 39(4):315–21 (51 ref.)

The relevance of pre-amniocentesis pedigree analysis and genetic counseling. Holzgreve B, et al. **Clin Genet** 1983 Dec;24(6):429–33

Ultrasound guided invasive procedures in obstetrics. Rodeck CH, et al. **Clin Obstet Gynaecol** 1983 Dec;10(3):515–39 (85 ref.)

Psychological distress and amniocentesis. Michelacci L, et al. **Gynecol Obstet Invest** 1984;18(1):40–4

Amniocentesis in the prenatal diagnosis of genetic disorders and congenital defects. Padilla LM. **J Indiana State Med Assoc** 1983 Oct;76(10):669–75

Low maternal serum AFP and Down syndrome [letter] **Lancet** 1984 Jul 21;2(8395):161–2

Amniotic fluid alkaline phosphatase isoenzymes in early prenatal diagnosis of cystic fibrosis [letter] Brock DJ. **Lancet** 1984 Jan 14;1(8368):102

Prader-Willi syndrome and prenatal diagnosis [letter] Emanuel M, et al. **Lancet** 1983 Dec 10;2(8363):1363

Maternal serum AFP as screening test for Down's syndrome [letter] Houlsby WT. **Lancet** 1984 May 19;1(8386):1127

Alkaline phosphatase isoenzyme assays for prenatal diagnosis of cystic fibrosis [letter] Muller F, et al. **Lancet** 1984 Mar 10;1(8376):572

Antenatal diagnosis of combined xanthine and sulphite oxidase deficiencies [letter] Ogier H, et al. **Lancet** 1983 Dec 10;2(8363):1363–4

Following up omphaloceles seen on obstetric ultrasound [letter] Wladimiroff JW, et al. **Lancet** 1983 Oct 8; 2(8354):853

Diagnosis of lysosomal storage disorders. Kerr C. **Med J Aust** 1984 Feb 18;140(4):188–9

False positive gram stain of amniotic fluid from amniocentesis: case reports. Elliott JP, et al. **Milit Med** 1984 Apr;149(4):225–6

Genetics, amniocentesis, and abortion. Hirschhorn K. **Mt Sinai J Med (NY)** 1984 Jan-Feb;51(1):15–7

Rapid prenatal diagnosis of glycogen-storage disease type II by electron microscopy of uncultured amniotic-fluid cells. Hug G, et al. **N Engl J Med** 1984 Apr 19; 310(16):1018–22

Prenatal diagnosis of neuronal ceroid lipofuscinosis [letter] MacLeod PM, et al. **N Engl J Med** 1984 Mar 1;310(9):595

Case report of a prenatal diagnosis of trisomy 13. Hisanaga S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Mar; 36(3):456–8

Midtrimester amniocentesis in twin pregnancies. Goldstein AI, et al. **Obstet Gynecol** 1983 Nov;62(5):659–61

Significance of brown and/or green amniotic fluid at the time of second trimester genetic amniocentesis. Hankins GD, et al. **Obstet Gynecol** 1984 Sep;64(3):353–8

Prenatal diagnosis of Hunter syndrome. Archer IM, et al. **Prenat Diagn** 1984 May-Jun;4(3):195–200

Maternal cell contamination of amniotic fluid cell cultures from two consecutive pregnancies complicated by fibroids. Benn PA, et al. **Prenat Diagn** 1984 Mar-Apr;4(2):151–3

Genetic amniocentesis in twin pregnancy. Bovicelli L, et al. **Prenat Diagn** 1983 Apr-Jun;3(2):101–6

Maternal age specific rates for chromosome aberrations and factors influencing them: report of a collaborative european study on 52 965 amniocenteses. Ferguson-Smith MA, et al. **Prenat Diagn** 1984 Spring;4 Spec No:5–44

Genetic amniocentesis in multiple gestations. Filkins K, et al. **Prenat Diagn** 1984 May-Jun;4(3):223–6

Amniotic fluid pregnancy-specific beta 1-glycoprotein (SP1) in fetal developmental disorders. Heikinheimo M, et al. **Prenat Diagn** 1984 Mar-Apr;4(2):147–50

Prenatal diagnosis of the Hurler syndrome: report on 40 pregnancies at risk. Kleijer WJ, et al. **Prenat Diagn** 1983 Jul;3(3):179–86

Amniocentesis carried out for neural tube indications in South Wales 1973-1981: outcome of pregnancies and findings in the malformed abortuses. Laurence KM, et al. **Prenat Diagn** 1983 Jul;3(3):187–201

Risk for chromosome abnormality at amniocentesis following a child with a non-inherited chromosome aberration. A European Collaborative Study on Prenatal Diagnoses 1981. Stene J, et al. **Prenat Diagn** 1984 Spring;4 Spec No:81–95

Outcome of cases of de novo structural rearrangements diagnosed at amniocentesis. Warburton D. **Prenat Diagn** 1984 Spring;4 Spec No:69–80

[Obstetrical problems in early amniocentesis (a discussion of the 1st cases)] Khadzhiev A, et al. **Akush Ginekol (Sofiia)** 1984;23(1):1–6 (Eng. Abstr.) **(Bul)**

[Mongolism following omitted amniocentesis] **Fortschr Med** 1984 Feb 23;102(8):68 **(Ger)**

[Outcome of pregnancy following amniocentesis in the prenatal diagnosis of genetic birth defects] Schlensker KH, et al. **Geburtshilfe Frauenheilkd** 1984 Mar;44(3):137–45 (Eng. Abstr.) **(Ger)**

[Duty of the gynecologist to inform a pregnant patient about the need for or desirability of amniocentesis] Schlund GH. **Geburtshilfe Frauenheilkd** 1983 Nov;43(11):699–700 (Eng. Abstr.) **(Ger)**

[Rhesus prevention and course following amniocentesis in early pregnancy] Herrmann U, et al. **Gynakol Rundsch** 1983;23(3):153–9 **(Ger)**

[Experiences with the free hand needle technic in 3215 amniocenteses in the second trimester for prenatal diagnosis] Holzgreve W, et al. **Gynakologe** 1984 Mar; 17(1):77–82 **(Ger)**

[Genetic mid-trimester amniocentesis] Reiter A, et al. **Harefuah** 1983 Apr 15;104(8):332–4 **(Heb)**

[Genetic amniocentesis] Papp Z. **Orv Hetil** 1983 Aug 28; 124(35):2099–108 (Eng. Abstr.) **(Hun)**

ADVERSE EFFECTS

Umbilical cord damage and placental abruption during amniocentesis. Zakut H, et al. **Acta Obstet Gynecol Scand** 1984;63(3):279–81

Prenatal observation of umbilical cord hematoma. Sutro WH, et al. **AJR** 1984 Apr;142(4):801–2

Rh isoimmunization related to amniocentesis. Murray JC, et al. **Am J Med Genet** 1983 Dec;16(4):527–34

Congenital mucocutaneous candidiasis following diagnostic amniocentesis. Delaplane D, et al. **Am J Obstet Gynecol** 1983 Oct 1;147(3):342–3

Candidiasis after diagnostic amniocentesis [letter] Elliott JP. **Am J Obstet Gynecol** 1984 Jul 1;149(5):586–7

Risks of prophylactic anti-D immunoglobulin after second-trimester amniocentesis. Tabsh KM, et al. **Am J Obstet Gynecol** 1984 May 15;149(2):225–6

The risks of amniocentesis in the management of premature rupture of the membranes. Yeast JD, et al. **Am J Obstet Gynecol** 1984 Jul 1;149(5):505–8

Amniotic fluid and midtrimester amniocentesis: a review. Finegan JA. **Br J Obstet Gynaecol** 1984 Aug;91(8):745–50 (50 ref.)

Midtrimester amniocentesis: is it safe? A single centre controlled prospective study of 517 consecutive amniocenteses. Sant-Cassia LJ, et al. **Br J Obstet Gynaecol** 1984 Aug;91(8):736–44

Clostridium welchii infection after amniocentesis. Fray RE, et al. **Br Med J [Clin Res]** 1984 Mar 24;288(6421):901–2

Experimental production of pulmonary hypoplasia following amniocentesis and oligohydramnios. Moessinger AC, et al. **Early Hum Dev** 1983 Oct;8(3–4):343–50

Amniotic fluid embolism after transabdominal amniocentesis. Hasaart TH, et al. **Eur J Obstet Gynecol Reprod Biol** 1983 Sep;16(1):25–30

Midtrimester genetic amniocentesis. A review of the fetal risks. O'Brien WF. **J Reprod Med** 1984 Jan;29(1):59–63

Fetal distress secondary to fetal vessel perforation after amniocentesis. A case report. Spinapolice RX, et al. **J Reprod Med** 1983 Aug;28(8):551–3

Hemorrhage after amniocentesis [letter] Jackson FI. **J Ultrasound Med** 1984 Feb;3(2):80

Real-time diagnosis of an intraamniotic fluid blood clot. Radecki PD, et al. **J Ultrasound Med** 1984 Jun;3(6):285–6

The use of ultrasound in evaluating problems and complications of genetic amniocentesis. McArdle CR, et al. **JCU** 1983 Oct;11(8):427–9

Caution about chorionic villi sampling in the first trimester [letter] Hecht F, et al. **N Engl J Med** 1984 May 24; 310(21):1388

Increased risk of abortion after genetic amniocentesis in twin pregnancies. Palle C, et al. **Prenat Diagn** 1983 Apr-Jun; 3(2):83–9

Immediate and unexplained fetal death during mid-trimester amniocentesis. Shapiro LR, et al. **Prenat Diagn** 1983 Apr-Jun;3(2):151–4

[Injury of the umbilical cord during late amniocentesis] Arvis P, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1983; 12(5):501–4 (Eng. Abstr.) **(Fre)**

[The safety of mid-trimester amniocentesis] Ben-Rafael Z, et al. **Harefuah** 1983 Jan 2;104(1):1–3 (Eng. Abstr.) **(Heb)**

[Fetal stress during amniocentesis] Wojcieszak A, et al. **Pol Tyg Lek** 1983 May 16–23;38(20–21):637–9 (Eng. Abstr.) **(Pol)**

INSTRUMENTATION

Use of needle guide to improve sonographically directed amniocentesis [letter] Williamson RA, et al. **Am J Obstet Gynecol** 1984 May 1;149(1):107–8

METHODS

Further comments on amniocentesis in twin gestations [letter] Elejalde BR, et al. **Am J Med Genet** 1984 Mar; 17(3):699–701

Amniocentesis with the use of continuous real-time echography: experience with two hundred consecutive cases. Defoort P, et al. **Am J Obstet Gynecol** 1983 Dec 15;147(8):973–4

Use of the ultrasound aspiration transducer in midtrimester amniocentesis. Farahani G, et al. **J Reprod Med** 1984 Apr; 29(4):227–31

Needle control during amniocentesis [letter] Herrmann J. **Lancet** 1984 Sep 22;2(8404):694

Ultrasonic identification of needle tips in amniocentesis. McDicken WN, et al. **Lancet** 1984 Jul 28;2(8396):198–9

Neutral-red uptake by amniotic-fluid macrophages in neural-tube defects: a rapid test [letter] Polgár K, et al. **N Engl J Med** 1984 May 31;310(22):1463–4

Prenatal diagnosis of hereditary tyrosinemia [letter] Steinmann B, et al. **N Engl J Med** 1984 Mar 29; 310(13):855–6

Amniocentesis under continuous ultrasound guidance: a series of 232 cases. Benacerraf BR, et al. **Obstet Gynecol** 1983 Dec;62(6):760–3

Use of amniocentesis in preterm gestation with ruptured membranes. Cotton DB, et al. **Obstet Gynecol** 1984 Jan; 63(1):38–43

Maternal contamination in prenatal diagnosis. Knight LA, et al. **Prenat Diagn** 1983 Apr–Jun;3(2):155–6

Maternal cell contamination in prenatal diagnosis [letter] Stephens JD. **Prenat Diagn** 1984 Mar–Apr;4(2):161–2

[Echo-controlled amniocentesis] Nisand I, et al. **Ann Radiol (Paris)** 1983 Jun–Jul;26(5):429–31 (Eng. Abstr.) **(Fre)**

[Clinical experiences in prenatal diagnosis based on the cases of the Child Health Center] Wiśniewski L, et al. **Ginekol Pol** 1983 Nov–Dec;54(11–12):679–82 (Eng. Abstr.) **(Pol)**

PSYCHOLOGY

A patient's reaction to amniocentesis. Brewster A. **Obstet Gynecol** 1984 Sep;64(3):443–4

[Anxiety and amniocentesis] Voges B. **Psychother Psychosom Med Psychol** 1983 Nov;33(6):213–6 (Eng. Abstr.) **(Ger)**

STANDARDS

Maternal cell contamination mooted by amniocyte clones [letter] Bixenman HA, et al. **Am J Med Genet** 1984 Apr; 17(4):849–52

UTILIZATION

The selective utilization of prenatal genetic diagnosis. Experiences of a regional program in upstate New York during the 1970s. Roghmann KJ, et al. **Med Care** 1983 Nov;21(11):1111–25

AMNION

The course of labor in term patients with chorioamnionitis. Duff P, et al. **Am J Obstet Gynecol** 1983 Oct 15; 147(4):391–5

Saline amnioinfusion to relieve variable or prolonged decelerations [letter] Goodlin R. **Am J Obstet Gynecol** 1984 Mar 15;148(6):836–7

Silent chorioamnionitis as a cause of preterm labor refractory to tocolytic therapy. Hameed C, et al. **Am J Obstet Gynecol** 1984 Aug 1;149(7):726–30

Premature rupture of membranes: the role of C-reactive protein in the prediction of chorioamnionitis. Hawrylyshyn P, et al. **Am J Obstet Gynecol** 1983 Oct 1;147(3):240–6

Increased use of oxytocin in patients with chorioamnionitis [letter] Ross MG, et al. **Am J Obstet Gynecol** 1984 Jul 15;149(6):700–2

Human amniotic membrane. As a wound dressing. Jasinkowski NL, et al. **AORN J** 1984 Apr;39(5):894–5, 898–9

Is conservative management of preterm rupture of membranes justified? Hurwitz A, et al. **Int J Gynaecol Obstet** 1984 Apr;22(2):131–5

Human amnion in the treatment of chronic ulceration of the legs. Shun A, et al. **Med J Aust** 1983 Sep 17;2(6):279–83

Serum prostaglandin precursors after vaginal examination and amniotomy. Erkkola R, et al. **Prostaglandins Leukotrienes Med** 1984 Mar;13(3):307–10

The spectrum of structural defects produced as a result of amnion rupture. Jones MC. **Semin Perinatol** 1983 Oct; 7(4):281–4

Management of chorioamnionitis. Looff JD, et al. **Surg Gynecol Obstet** 1984 Feb;158(2):161–6

[Attempt at intra-amniotic substitution therapy in fetal growth retardation] Dudenhausen JW, et al. **Gynakologe** 1984 Mar;17(1):72–6 **(Ger)**

[Amniotic infectious syndrome] Mlynček M. **Bratisl Lek Listy** 1983 Nov;80(5):620–7 **(Slo)**

ANALYSIS

Study of lipids in human amnion and chorion. Foster HW Jr, et al. **Am J Obstet Gynecol** 1984 Jul 15;149(6):670–3

Source of prostaglandin precursor in human fetal membranes: arachidonic acid content of amnion and chorion laeve in diamnionic-dichorionic twin placentas. Okita JR, et al. **Am J Obstet Gynecol** 1983 Nov 1;147(5):477–82

Expression of c-onc genes: c-fos transcripts accumulate to high levels during development of mouse placenta, yolk sac and amnion. Müller R, et al. **EMBO J** 1983;2(5):679–84

[Characterization of smooth muscle organs by determination of cellular myosin content] Pilgrim H, et al. **Acta Histochem (Jena)** 1983;73(2):145–50 (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

[The umbilical vesicle and amniotic membrane (letter)] Blanc B, et al. **Presse Med** 1984 Jan 21;13(2):104 **(Fre)**

CYTOLOGY

Macrophage populations in the human placenta and amniochorion. Bulmer JN, et al. **Clin Exp Immunol** 1984 Aug;57(2):393–403

Phosphorylation of keratin and vimentin polypeptides in normal and transformed mitotic human epithelial amnion cells: behavior of keratin and vimentin filaments during mitosis. Celis JE, et al. **J Cell Biol** 1983 Nov;97(5 Pt 1):1429–34

Treated glass coverslips for in situ culture of amniotic cells: better cell adhesion and growth than on plastic. Pecile V, et al. **J Med Genet** 1984 Apr;21(2):136–7

DRUG EFFECTS

Preparation of amniotic membranes for surgical use with antibiotic solutions. Gannaway WL, et al. **Surgery** 1984 May;95(5):580–5

[Embryotoxic and mutagenic activity of ethanol and acetaldehyde in intra-amniotic exposure] Bariliak IR, et al. **Tsitol Genet** 1983 Sep–Oct;17(5):57–60 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

The identification and characterization of protein kinase C activity in fetal membranes. Okazaki T, et al. **Arch Biochem Biophys** 1984 Feb 15;229(1):27–32

IMMUNOLOGY

Demonstration of the presence of IgA in the human chorioamniotic membrane. Cunha SP, et al. **Int J Gynaecol Obstet** 1984 Apr;22(2):107–10

Pemphigus and pemphigoid antigens are expressed in human amnion epithelium. Robinson HN, et al. **J Invest Dermatol** 1984 Sep;83(3):234–7

Histocompatibility antigens, transferrin receptors and extra-embryonic markers of human amniotic epithelial cells in vitro. Yeh CJ, et al. **Placenta** 1983 Oct–Dec;4(4):361–8

[Human fibroblast interferon: production and characterization in an amniotic cell line] Sorrentino V, et al. **Ann Ist Super Sanita** 1982;18(3):421–3 (Eng. Abstr.) **(Ita)**

METABOLISM

The identification and characterization of beta-adrenergic receptors in human amnion tissue. Di Renzo GC, et al. **Am J Obstet Gynecol** 1984 Feb 15;148(4):398–405

The permeability of human amniotic epithelium: studies using lanthanum as a tracer. King BF. **Anat Rec** 1983 Dec; 207(4):557–61

Analysis of prostaglandins formed from endogenous and exogenous arachidonic acid in homogenates of human reproductive tissues. Dimov V, et al. **Biochim Biophys Acta** 1983 Nov 1;754(1):38–43

Human amniotic membrane and prostaglandin biosynthesis. Kinoshita K, et al. **Biol Res Pregnancy Perinatol** 1984; 5(2):61–7

Prostaglandin synthesis by human amnion is dependent upon extracellular calcium. Olson DM, et al. **Can J Physiol Pharmacol** 1983 Sep;61(9):1089–92

Deposition of an intermediate form of procollagen type III (pN-collagen) into fibrils in the matrix of amniotic epithelial cells. Hedman K, et al. **EMBO J** 1982;1(1):47–52

Angiogenic and growth factors in human amnio-chorion and placenta. Burgos H. **Eur J Clin Invest** 1983 Aug; 13(4):289–96

Comparative study of the human amnion, chorion and chorioamnion permeability to monovalent cations. Guiet-Bara A, et al. **Eur J Obstet Gynecol Reprod Biol** 1983 Sep;16(1):1–7

Mechanism of interferon action: inhibition of vesicular stomatitis virus replication in human amnion U cells by cloned human leukocyte interferon. I. Effect on early and late stages of the viral multiplication cycle. Masters PS, et al. **J Biol Chem** 1983 Oct 10;258(19):12019–25

Mechanism of interferon action: inhibition of vesicular stomatitis virus replication in human amnion U cells by cloned human leukocyte interferon. II. Effect on viral macromolecular synthesis. Masters PS, et al. **J Biol Chem** 1983 Oct 10;258(19):12026–33

Androgen binding in human fetal amnion. De Cicco Nardone F, et al. **J Steroid Biochem** 1984 Jan;20(1):495–9

Characterization of prostaglandin formation by human amnion cells in monolayer culture. Casey ML, et al. **Prostaglandins** 1984 Mar;27(3):421–7

Beta-adrenergic stimulation of prostaglandin production by human amnion tissue. Di Renzo GC, et al. **Prostaglandins** 1984 Jan;27(1):37–49

[The interaction of oxytocin-prostaglandin receptors in human myometrium and amnio-decidua throughout pregnancy and in labor] Fukai H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Jun;36(6):855–64 (Eng. Abstr.) **(Jpn)**

[Origin of low molecular weight protein in amniotic fluid] Kashiwabara Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 May;36(5):705–9 (Eng. Abstr.) **(Jpn)**

MICROBIOLOGY

Mechanism of interferon action. Inhibition of vesicular stomatitis virus in human amnion U cells by cloned human leukocyte interferon. Masters PS, et al. **Biochem Biophys Res Commun** 1984 Feb 29;119(1):326–34

Perinatal bacterial infection after prolonged rupture of amniotic membranes: an analysis of risk and management. St. Geme JW Jr, et al. **J Pediatr** 1984 Apr;104(4):608–13

[Potentials for the microbiological diagnosis of amniotic infection in premature rupture of the amniotic sac] Katranushkova N, et al. **Akush Ginekol (Sofiia)** 1984; 23(2):129–34 (Eng. Abstr.) **(Bul)**

[Neonatology aspects of amnion infection syndromes] Uhlemann M, et al. **Zentralbl Gynakol** 1984;106(11):749–52 **(Ger)**

[Antigen isolation from Rickettsia prowazekii cultured in FL cells and its use in the macrophage migration inhibition reaction] Chereshkova EA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Dec;(12):46–9 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Amniotic rupture, extra-amniotic pregnancy, and vernix granulomata. Yang SS, et al. **Am J Surg Pathol** 1984 Feb; 8(2):117–22

PHYSIOLOGY

Adhesion of human amnion epithelial cells to extracellular matrix. Evidence for multiple mechanisms. Aplin JD, et al. **Exp Cell Res** 1984 Aug;153(2):425–38

Pulmonary surfactant: hydrophobic nature of the mucosal surface of the human amnion. Cotton DB, et al. **J Physiol (Lond)** 1984 Apr;349:411–8

Early nuclear structural changes of transformed human amniotic cells (WISH) in presence of type IV collagen detected by the nuclear refringency assay. Gerfaux J, et al. **Proc Soc Exp Biol Med** 1984 Sep;176(4):490–502

RADIATION EFFECTS

Radiobiological effect of heparin in Swiss mice, human amnion cells and E. coli B/r irradiated with Co60 gamma-rays. Chaubal KA, et al. **Radiat Environ Biophys** 1983;22(4):281–91

SURGERY

[The timing of amniotomy: its effect on mother and infant] Motter WJ, et al. **Wien Klin Wochenschr** 1984 Jun 8; 96(12):446–50 (Eng. Abstr.) **(Ger)**

TRANSPLANTATION

The long-term results of the use of human amnion in the treatment of leg ulcers. Ward DJ, et al. **Br J Plast Surg** 1984 Apr;37(2):191–3

AMNIOSCOPY

INSTRUMENTATION

The use of a fibre optic endoscope for amnioscopy. Dornan JC, et al. **Br J Obstet Gynaecol** 1984 Jun;91(6):600–1

[The Am-VS-2 amnioscope with fiber light guide] Sazontova VN, et al. **Med Tekh** 1984 May–Jun;(3):46–7 **(Rus)**

AMNIOTIC BAND SYNDROME

COMPLICATIONS

Craniofacial anomalies in the amniotic band disruption complex. McCarthy S, et al. **Pediatr Radiol** 1984;14(1):44–6

DIAGNOSIS

Amniotic band syndrome and conditions simulating disruption malformations. Grausbord R, et al. **S Afr Med J** 1984 Mar 3;65(9):331–5

ETIOLOGY

Amniotic band syndrome associated with an incompetent cervix. Sachdev RK, et al. **Am J Obstet Gynecol** 1984 Jan 1;148(1):110–1

PATHOLOGY

Picture of the month. Amniotic constriction bands (Streeter dysplasia, ring constrictions). Feingold M. **Am J Dis Child** 1984 Feb;138(2):199–200

'ADAM complex' (amniotic deformity, adhesions, mutilations)—a pattern of craniofacial and limb defects. Keller H, et al. **Am J Med Genet** 1978;2(1):81–98

Amniotic adhesion malformation syndrome: fetal and placental pathology. Herva R, et al. **Teratology** 1984 Feb; 29(1):11–9

RADIOGRAPHY

Congenital annular bands in identical twins. A case report. Zionts LE, et al. **J Bone Joint Surg [Am]** 1984 Mar; 66(3):450–3

SURGERY

The treatment of congenital constricting bands by Ombredanne's two stage operation. Review of 13 cases. Dal Monte A, et al. **Ital J Orthop Traumatol** 1983 Sep; 9(3):351–5

AMNIOTIC BANDS see AMNIOTIC BAND SYNDROME

AMNIOTIC FLUID

see related
EMBOLISM, AMNIOTIC FLUID
HYDRAMNIOS

Intraventricular air and meconium-stained amniotic fluid from intrapartum rupture of myelomeningocele. Robinow M, et al. **AJNR** 1983 Sep-Oct;4(5):1122-3

Neurofibromatosis and pregnancy: report of a case complicated by intrauterine growth retardation and oligohydramnios. Belton SR, et al.
Am J Obstet Gynecol 1984 Jun 15;149(4):468-9

Ultrasound diagnosis of meconium-stained amniotic fluid. Benacerraf BR, et al. **Am J Obstet Gynecol** 1984 Jul 1; 149(5):570-2

Ultrasound-detected oligohydramnios and fetal outcome [letter] Cohen AW. **Am J Obstet Gynecol** 1984 Jun 15; 149(4):474-5

Oligohydramnios: ultrasonically detected incidence and subsequent fetal outcome. Hill LM, et al.
Am J Obstet Gynecol 1983 Oct 15;147(4):407-10

Ultrasonographic determination of qualitative amniotic fluid volume in intrauterine growth retardation: reassessment of the 1 cm rule. Hoddick WK, et al.
Am J Obstet Gynecol 1984 Aug 1;149(7):758-62

The tap test: a rapid indicator of fetal pulmonary maturity. Socol ML, et al. **Am J Obstet Gynecol** 1984 Feb 15; 148(4):445-50

Abdominal dynamic study in oligohydramnios with Potter's syndrome. Spencer RP, et al. **Eur J Nucl Med** 1984;9(4):192

Experimental pulmonary hypoplasia due to oligohydramnios and its reversal by relieving thoracic compression. Nakayama DK, et al. **J Pediatr Surg** 1983 Aug;18(4):347-53

Investigation of intrapartum clearance of the upper airway in the presence of meconium contaminated amniotic fluid using an animal model. Pfenninger E, et al.
J Perinat Med 1984;12(2):57-68

Real-time diagnosis of an intraamniotic fluid blood clot. Radecki PD, et al. **J Ultrasound Med** 1984 Jun;3(6):285-6

Echogenic amniotic fluid in the second trimester: a new sign of fetal distress. Khaleghian R. **JCU** 1983 Nov-Dec; 11(9):498-501

The effect of amniotic fluid aspiration on pulmonary function in the adult and newborn rabbit. Jose JH, et al.
Pediatr Res 1983 Dec;17(12):976-81

[Amniotic infection with Fusobacterium nucleatum] Tessier F, et al. **Ann Pediatr (Paris)** 1984 May;31(5):395-9 (Eng. Abstr.) **(Fre)**

[Intrauterine placement of a nephro-amniotic shunt] Schaaps JP, et al. **Ann Radiol (Paris)** 1983 Jun-Jul;26(5):441-3 (Eng. Abstr.) **(Fre)**

[Role of amniotic fluid in the paraplacental oxygen supply of the fetus] Savel'eva GM, et al.
Akush Ginekol (Mosk) 1984 Jan;(1):10-2 (Eng. Abstr.) **(Rus)**

ANALYSIS

Increases in methylated nucleosides during human pregnancy. Simmonds RJ, et al. **Adv Exp Med Biol** 1984; 165 Pt A:291-5

Sensitivity versus predictive value: implications in low-risk populations [letter] **Am J Obstet Gynecol** 1984 Jun 15; 149(4):470-1

Lecithin/sphingomyelin ratio and the presence of phosphatidylglycerol [letter] Barnes AD, et al.
Am J Obstet Gynecol 1984 Jan 15;148(2):231-2

Respiratory distress syndrome and presence of phosphatidylglycerol: report of three cases. Barnes AD, et al. **Am J Obstet Gynecol** 1984 Feb 1;148(3):347-8

Absence of phosphatidylglycerol in amniotic fluid of baboons at term. Brans YW, et al. **Am J Obstet Gynecol** 1984 Aug 1;149(7):795-6

Origin of prostanoids in human amniotic fluid: the fetal kidney as a source of amniotic fluid prostanoids. Casey ML, et al. **Am J Obstet Gynecol** 1983 Nov 1;147(5):547-51

Routine amniotic fluid alpha-fetoprotein measurement in 34,000 pregnancies. Crandall BF, et al.
Am J Obstet Gynecol 1984 Aug 1;149(7):744-7

A new rapid slide agglutination test for amniotic fluid phosphatidylglycerol: laboratory and clinical correlation. Garité TJ, et al. **Am J Obstet Gynecol** 1983 Nov 15; 147(6):681-6

A problem concerning determination of the lecithin/sphingomyelin ratio of amniotic fluid [letter] Gebhardt DO. **Am J Obstet Gynecol** 1984 Jan 15; 148(2):228-9

Lack of correlation between amniotic fluid and maternal plasma contents of beta-endorphin, beta-lipotropin, and adrenocorticotropic hormone in normal and pathologic pregnancies. Genazzani AR, et al.
Am J Obstet Gynecol 1984 Jan 15;148(2):198-203

One-dimensional versus two-dimensional phosphatidylglycerol. Grundy H, et al.
Am J Obstet Gynecol 1983 Nov 15;147(6):718-9

Variable interference of meconium in the determination of phosphatidylglycerol. Hill LM, et al.
Am J Obstet Gynecol 1983 Oct 1;147(3):339-40

Unexpectedly low lecithin/sphingomyelin ratio associated with fetal diaphragmatic hernia. Hisanaga S, et al.
Am J Obstet Gynecol 1984 Aug 15;149(8):905-6

Deficient lung surfactant apoproteins in amniotic fluid with mature phospholipid profile from diabetic pregnancies. Katyal SL, et al. **Am J Obstet Gynecol** 1984 Jan 1; 148(1):48-53

Amniotic fluid absorbance at 650 nm: its relationship to the lecithin/sphingomyelin ratio and neonatal pulmonary sufficiency. Khouzami VA, et al. **Am J Obstet Gynecol** 1983 Nov 1;147(5):552-6

Fetal lung maturation in twin gestation. Leveno KJ, et al.
Am J Obstet Gynecol 1984 Feb 15;148(4):405-11

Contribution of fetal urine to amniotic fluid surfactant pool [letter] Nelson GH. **Am J Obstet Gynecol** 1984 Mar 15; 148(6):834-5

Predominance of L-dopa in fetal plasma and the amniotic fluid during late gestation in the rat. Peleg D, et al.
Am J Obstet Gynecol 1984 Aug 15;149(8):880-3

Influence of seminal ejaculate on the amniotic fluid phospholipid lung profile. Romem Y, et al.
Am J Obstet Gynecol 1984 May 1;149(1):89-90

Amniotic fluid prolactin levels in tubal gestation: support for the unique role of decidua. Rosenberg SM.
Am J Obstet Gynecol 1984 Sep 1;150(1):102-3

Abnormal amniotic fluid spectrophotometry in a pregnancy associated with fetal duodenal atresia. Sankaran K, et al.
Am J Obstet Gynecol 1984 Apr 15;148(8):1140-1

Amniotic fluid optical density, lecithin/sphingomyelin ratio, and phosphatidylglycerol comparisons [letter] Sbarra AJ, et al. **Am J Obstet Gynecol** 1984 Apr 15;148(8):1153-4

Correlation of amniotic fluid optical density at 650 nm and lecithin/sphingomyelin ratios with phosphatidylglycerol. Sbarra AJ, et al. **Am J Obstet Gynecol** 1984 Aug 1; 149(7):740-3

Amniotic fluid phosphatidylglycerol in diabetic and control pregnant patients at different gestational lengths. Tsai MY, et al. **Am J Obstet Gynecol** 1984 Jun 15;149(4):388-92

Prostacyclin in complicated pregnancies [letter] Ylikorkala O, et al. **Am J Obstet Gynecol** 1983 Nov 15;147(6):728-9

Concentration of placental protein 10 (PP10) in maternal serum and amniotic fluid throughout normal gestation and in pregnancy complicated by fetal growth retardation. Würz H, et al. **Arch Gynecol** 1983;233(3):165-74

Hormones in amniotic fluid and their relation with the respiratory distress syndrome. Fonseca ME, et al.
Arch Invest Med (Mex) 1983 Oct-Dec;14(4):423-35 **(Eng, Spa)**

Relation of the site of congenital upper gastrointestinal obstruction to amniotic fluid bilirubin concentration. Hisanaga S, et al. **Asia Oceania J Obstet Gynaecol** 1983 Dec;9(4):435-8

The concentration of hyaluronate in amniotic fluid. Dahl L, et al. **Biochem Med** 1983 Dec;30(3):280-3

Four subfractions of amniotic fluid AFP identified by lentil lectin crossed-line affinity immunoelectrophoresis. Ishiguro T, et al. **Biol Res Pregnancy Perinatol** 1983;4(3):93-4

Amniotic fluid phospholipid profile in multiple pregnancy and the effect of zygosity. Dobbie HG, et al.
Br J Obstet Gynaecol 1983 Nov;90(11):1001-6

Concentrations of hypoxanthine, xanthine, uridine and urate in amniotic fluid at caesarean section and the association of raised levels with prenatal risk factors and fetal distress. Harkness RA, et al. **Br J Obstet Gynaecol** 1983 Sep; 90(9):815-20

Is the lecithin/sphingomyelin ratio outdated? James DK, et al. **Br J Obstet Gynaecol** 1983 Nov;90(11):995-1000

Abnormal concentrations of prostaglandins in amniotic fluid during delayed labour in multigravid patients. Reddi K, et al. **Br J Obstet Gynaecol** 1984 Aug;91(8):781-7

The lecithin/sphingomyelin ratio in decline [editorial] Turnbull AC. **Br J Obstet Gynaecol** 1983 Nov;90(11):993-4

Amniotic fluid tests for fetal neural tube defects. Brock DJ. **Br Med Bull** 1983 Oct;39(4):373-7 (62 ref.)

Prenatal diagnosis of homozygous alpha thalassaemia by direct DNA analysis of uncultured amniotic fluid cells. Chan V, et al. **Br Med J [Clin Res]** 1984 May 5; 288(6427):1327-9

Outcome of pregnancies associated with raised serum and normal amniotic fluid alpha fetoprotein concentrations [letter] Corry I, et al. **Br Med J [Clin Res]** 1984 Jun 16; 288(6433):1836

Outcome of pregnancies associated with raised serum and normal amniotic fluid alpha fetoprotein concentrations. Evans J, et al. **Br Med J [Clin Res]** 1984 May 19; 288(6429):1494

Enzymic colorimetric determination of phosphatidylglycerol in amniotic fluid. Artiss JD, et al. **Clin Chem** 1984 Apr; 30(4):534-7

Methods for extracting phospholipids from human amniotic fluid compared. Duck-Chong CG, et al. **Clin Chem** 1984 Feb;30(2):271-4

A cost-effective modification of an immunologic agglutination test for amniotic fluid phosphatidylglycerol [letter] Hamlin CR, et al. **Clin Chem** 1984 Jul;30(7):1277-8

Evaluation of the Amniostat-FLM assay for assessment of fetal lung maturity. Lockitch G, et al. **Clin Chem** 1984 Jul; 30(7):1233-7

Glucocorticoids directly affect spectrophotometry of bilirubin in amniotic fluid. Milwidsky A, et al.
Clin Chem 1984 May;30(5):677-80

Disagreement of anti-D titers in serum and estimates of bilirubin in amniotic fluid in a case of severe Rh immunization. Passey RB, et al. **Clin Chem** 1983 Dec; 29(12):2116-7

Total hydrolyzable glycerol in amniotic fluid, and its relationship to fetal lung maturity. Siegel L, et al.
Clin Chem 1984 Sep;30(9):1546-8

Removal of a component interfering with phosphatidylglycerol estimation in the 'Helena' system for amniotic fluid phospholipids. Spillman T, et al.
Clin Chem 1984 May;30(5):737-40

(3-sn-Phosphatidyl)cholines (lecithins) in amniotic fluid. Touchstone JC, et al. **Clin Chem** 1983 Nov;29(11):1951-4

Effect of blood contamination on lecithin to sphingomyelin ratio in amniotic fluid by different detection methods. Cotton DB, et al. **Clin Chim Acta** 1984 Mar 13; 137(3):299-304

Hydroxy acid metabolites of branched-chain amino acids in amniotic fluid. Jakobs C, et al. **Clin Chim Acta** 1984 Jul 16;140(2):157-66

HPLC of phospholipids in biological fluids — application to amniotic fluid for the prediction of fetal lung maturity. Paton RD, et al. **Clin Chim Acta** 1983 Sep 15;133(1):97-110

The microheterogeneity of human transferrins in biological fluids. van Eijk HG, et al. **Clin Chim Acta** 1983 Aug 15; 132(2):167-71

Simultaneous assessment of fetal lung maturity and sebaceous gland function by gas chromatography. Wysocki SJ, et al. **Clin Chim Acta** 1984 Feb 28;137(2):141-9

Low trehalase activity in amniotic fluid: a marker for cystic fibrosis? [letter] Szabó M, et al. **Clin Genet** 1984 May; 25(5):475-6

Radioimmunoassay of vasotocin, vasopressin, and oxytocin in human neonatal cerebrospinal and amniotic fluid. Artman HG, et al. **Dev Pharmacol Ther** 1984;7(1):39-49

Alphafetoprotein (AFP), concanavalin A non-reactive AFP and specific acetylcholinesterase in amniotic fluid from pathological pregnancies. Predictive values for open spina bifida. van Regemorter N, et al.
Eur J Obstet Gynecol Reprod Biol 1983 Sep;16(1):9-18

Prenatal diagnosis of glutaric aciduria type II by direct chemical analysis of dicarboxylic acids in amniotic fluid. Jakobs C, et al. **Eur J Pediatr** 1984 Jan;141(3):153-7

Immunoactive TSH in the amniotic fluid of the rat. Tang F, et al. **Experientia** 1984 Jun 15;40(6):575-6

Amniotic fluid phosphatidyl glycerol as a predictor of fetal lung maturity. Thomas S, et al. **Indian J Med Res** 1983 Aug;78:219-23

Amniotic fluid composition in abnormal pregnancies. Shah MC, et al. **Indian J Pediatr** 1983 May-Jun;50(404):271-4

Intrauterine malnutrition: amniotic fluid protein and enzymes in rats. Agarwal KN, et al. **Indian Pediatr** 1983 Sep; 20(9):651-8

Fetal sex dependent hormone levels in early pregnant women with elevated maternal serum alpha-fetoprotein. Bremme K, et al. **Int J Gynaecol Obstet** 1983 Dec;21(6):451-7

Carcinoembryonic antigen in high risk pregnancies. Lolis D, et al. **Int J Gynaecol Obstet** 1984 Feb;22(1):5-9

Materno-fetal transfer of azlocillin. Kafetzis DA, et al.
J Antimicrob Chemother 1983 Aug;12(2):157-62

Concentrations of prolactin in the plasma of fetal sheep and in amniotic fluid in late gestation and during dexamethasone-induced parturition. McMillen IC, et al.
J Endocrinol 1983 Oct;99(1):107-14

Foetal outcome in cases of meconium stained amniotic fluid during labour. Gupta S, et al. **J Indian Med Assoc** 1984 Feb;82(2):47-9

Fluorescence polarization in gastric aspirate and in amniotic fluid and its relationship to the respiratory distress syndrome. Egberts J, et al. **J Perinat Med** 1984;12(2):51-5

Amniotic fluid C-peptide and phosphatidyl glycerol in diabetic pregnancy. Tydén O, et al. **J Perinat Med** 1984; 12(2):69-73

'De-watering' capabilities of surfactants in human amniotic fluid. Hills BA. **J Physiol (Lond)** 1984 Mar;348:369-81

Distribution of alpha-fetoprotein in fetal plasma and in amniotic and allantoic fluids of the pig. Luft AJ, et al.
J Reprod Fertil 1984 Mar;70(2):605-7

Amniotic fluid composition in normal baboon pregnancies. Brans YW, et al. **J Reprod Med** 1984 Feb;29(2):129-32

A simplified procedure for separating amniotic fluid phospholipids with thin-layer chromatography. Dugan JM, et al. **J Reprod Med** 1984 Apr;29(4):245-7

Artificial hydramnion. A simple method of verifying premature rupture of the membranes. Glezerman M, et al.
J Reprod Med 1984 May;29(5):327-30

Correlation of amniotic fluid estrogens with L/S ratios and urinary estriols. Kay HH, et al. **J Reprod Med** 1984 Apr; 29(4):222-6

Amniotic fluid endocrine changes during maternal hyperalimentation. Legge M, et al. **JPEN** 1984 Jul-Aug; 8(4):433-7

Prenatal diagnosis of dysmorphic neonatal-lethal type II glutaricaciduria [letter] Boué J, et al. **Lancet** 1984 Apr 14; 1(8381):846-7

Fluorescence polarization of amniotic fluid from pregnant rhesus monkeys with chronic fetal hyperinsulinemia. Cavalieri RL, et al. **Lung** 1984;162(3):147-51

Predicting the risk of respiratory distress syndrome from the lecithin/sphingomyelin ratio and phosphatidyl glycerol results of amniotic fluid analysis. Wenk RE, et al.
Md State Med J 1983 Jul;32(7):529-31

Thyroxine, 3,5,3' -triiodothyronine and 3,3', 5' -triiodothyronine in human amniotic fluid: relationships between concentrations and turnover. Cooper E, et al.
Med Hypotheses 1983 Oct;12(2):113-24

Calcium concentrations in maternal and fetal blood and in amniotic fluid from pregnant rats. Harada I, et al. **Nippon Juigaku Zasshi** 1984 Apr;46(2):239–42

Use of amniocentesis in preterm gestation with ruptured membranes. Cotton DB, et al. **Obstet Gynecol** 1984 Jan; 63(1):38–43

Saturated phospholipids in amniotic fluid of normal and diabetic pregnancies. Farrell PM, et al. **Obstet Gynecol** 1984 Jul;64(1):77–85

Maternal plasma and amniotic fluid levels of estradiol, estrone, progesterone, and prolactin in early pregnancy. Freeman R, et al. **Obstet Gynecol** 1984 Apr;63(4):507–10

Comparison of lecithin: sphingomyelin ratio, fluorescence polarization, and phosphatidylglycerol in the amniotic fluid in the prediction of respiratory distress syndrome. Hamilton PR, et al. **Obstet Gynecol** 1984 Jan;63(1):52–6

Significance of brown and/or green amniotic fluid at the time of second trimester genetic amniocentesis. Hankins GD, et al. **Obstet Gynecol** 1984 Sep;64(3):353–8

Comparison of the Lumadex-foam stability index test, lecithin: sphingomyelin ratio, and simple shake test for fetal lung maturity. Lipshitz J, et al. **Obstet Gynecol** 1984 Mar; 63(3):349–54

Decidual, amniotic fluid, maternal and fetal prolactin in normal and abnormal pregnancies. Luciano AA, et al. **Obstet Gynecol** 1984 Mar;63(3):384–8

Amniotic fluid prostanoids in preeclampsia. Moodley J, et al. **Obstet Gynecol** 1984 Jul;64(1):69–71

Women on thyroid hormone therapy: pregnancy course, fetal outcome, and amniotic fluid thyroid hormone level. Pekonen F, et al. **Obstet Gynecol** 1984 May;63(5):635–8

Amniotic fluid arborization: effect of blood, meconium, and pH alterations. Reece EA, et al. **Obstet Gynecol** 1984 Aug; 64(2):248–50

Correlation of ultrasonic epiphyseal centers and the lecithin: sphingomyelin ratio. Tabsh KM. **Obstet Gynecol** 1984 Jul; 64(1):92–6

Insulin levels in amniotic fluid of normal and abnormal pregnancies. Weiss PA, et al. **Obstet Gynecol** 1984 Mar; 63(3):371–5

Stable isotope dilution analysis of galactitol in amniotic fluid: an accurate approach to the prenatal diagnosis of galactosemia. Jakobs C, et al. **Pediatr Res** 1984 Aug; 18(8):714–8

Vasopressin concentration in amniotic fluid as an index of fetal hypoxia: mechanism of release in sheep. Stark RI, et al. **Pediatr Res** 1984 Jun;18(6):552–8

Normal second-trimester amniotic fluid alphafetoprotein and acetylcholinesterase associated with fetal sacrococcygeal teratoma. Brock DJ, et al. **Prenat Diagn** 1983 Oct; 3(4):343–5

Amniotic fluid calcium concentration in the prenatal diagnosis of cystic fibrosis. Dann LG, et al. **Prenat Diagn** 1983 Apr-Jun;3(2):161–3

Evaluation of inorganic pyrophosphate in amniotic fluid as a mode of prenatal diagnosis of osteogenesis imperfecta. Garver KL, et al. **Prenat Diagn** 1984 Mar-Apr;4(2):109–12

Chemical analysis of succinylacetone and 4-hydroxyphenyllactate in amniotic fluid using selective ion monitoring. Jakobs C, et al. **Prenat Diagn** 1984 May-Jun;4(3):187–94

Amniotic fluid fibrinolytic system in fetal neural tube defects. Legge M. **Prenat Diagn** 1983 Apr-Jun;3(2):145–9

Method for chronic catheterisation of the amniotic sac in cattle. Mohamed AR, et al. **Res Vet Sci** 1983 Jul;35(1):116–7

Measurement of phosphatidyl glycerol in amniotic fluid. Results in clinical practice. Patel RD, et al. **S Afr Med J** 1984 Mar 3;65(9):348–51

Reactivity of amniotic fluid alpha-fetoprotein with concanavalin A-sepharose in pre-natal diagnosis of fetal malformations. Kolho KL, et al. **Scand J Clin Lab Invest** 1983 Dec;43(8):687–90

The effect of fetal pulmonary surfactant production on the apparent microviscosity of amniotic fluid measured by fluorescence polarization. Petersen LC, et al. **Scand J Clin Lab Invest** 1983 Feb;43(1):41–7

Intrinsic factor in human amniotic fluid as determined by radioimmunoassay. Wahlstedt V, et al. **Scand J Clin Lab Invest** 1983 May;43(3):215–21

Amniotic fluid phosphatidylglycerol: a predictor of fetal lung maturity using conventional one-dimensional thin-layer chromatography. Semmer JR, et al. **South Med J** 1983 Oct; 76(10):1257–60

Simultaneous measurement of human prolactin and growth hormone levels in maternal and fetal serum and amniotic fluid. Furuhashi N, et al. **Tohoku J Exp Med** 1983 Oct; 141(2):207–10

Differences in the carbohydrate moieties of plasma and amniotic fluid fibronectins as revealed by crossed immunoaffinity electrophoresis with concanavalin A. Yamaguchi Y, et al. **Tohoku J Exp Med** 1983 Nov; 141(3):359–67

Effect of smoking on cadmium and lead concentrations in human amniotic fluid. Siegers CP, et al. **Toxicol Lett** 1983 Dec;19(3):327–31

[HPL and estriol in the amniotic fluid of women with Rhesus isoimmunization] Karaguozova Zh, et al. **Akush Ginekol (Sofiia)** 1983;22(2):89–93 (Eng. Abstr.) **(Bul)**

[Optimized determination of amniotic lecithin (the sphingomyelin index)] Marovski S, et al. **Akush Ginekol (Sofiia)** 1983;22(3):169–71 (Eng. Abstr.) **(Bul)**

[Proteins in the amniotic fluid in an Rh isoimmunization pregnancy] Matrova Ts. **Akush Ginekol (Sofiia)** 1983; 22(5):358–62 (Eng. Abstr.) **(Bul)**

[Comparative evaluation of the protein fractions in the maternal and fetal serum, and amniotic fluid in normal labor] Stambolov B, et al. **Akush Ginekol (Sofiia)** 1984; 23(1):14–9 (Eng. Abstr.) **(Bul)**

[17 beta-estradiol and progesterone content of the blood plasma, colostrum, amniotic fluid and placenta of cows] Kaludina T, et al. **Vet Med Nauki** 1983;20(7):55–9 (Eng. Abstr.) **(Bul)**

[Kinetic studies on prostaglandin concentrations in the amniotic fluid during rivanol-induced abortion] Zhou ZR, et al. **Yao Hsueh Hsueh Pao** 1983 Aug;18(8):569–71 (Eng. Abstr.) **(Chi)**

[Assessment of fetal maturity by measurement of the phospholipids in the amniotic fluid. Comparison of the results with the lecithin/sphingomyelin ratio] Alegre B, et al. **Ann Biol Clin (Paris)** 1983;41(3):219–20 (Eng. Abstr.) **(Fre)**

[Attempt at determining fetal sex by the simultaneous study of the HY antigen and testosterone in the amniotic fluid] Guichard A, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1983;12(7):733–40 (Eng. Abstr.) **(Fre)**

[Cadmium and lead concentrations in the amniotic fluid of pregnant smokers and non-smokers] Klink F, et al. **Geburtshilfe Fraunheilkd** 1983 Nov;43(11):695–8 (Eng. Abstr.) **(Ger)**

[Amniotic fluid cytology and foetal lung maturity—a comparison with the dynamic surface tension measurement of the amniotic fluid for predicting foetal lung maturity] Müller G, et al. **Geburtshilfe Fraunheilkd** 1983 Jul; 43(7):438–42 (Eng. Abstr.) **(Ger)**

[Alpha-fetoproteins in obstetrics] Weitzel H. **Gynakologe** 1983 Sep;16(3):148–54 (78 ref.) **(Ger)**

[Significance of steroid hormone analysis of the amniotic fluid (letter)] **Orv Hetil** 1984 Jan 22;125(4):244 **(Hun)**

[Determination of alpha-fetoprotein, cholinesterase and alpha 2-macroglobulin in the amniotic fluid in the diagnosis of neural tube defects] Lamedica G, et al. **Ann Ostet Ginecol Med Perinat** 1983 Jul-Aug;104(4):261–9 (Eng. Abstr.) **(Ita)**

[Reliability of gas chromatography analysis of fatty acids in the amniotic fluid for the determination of fetal lung maturity] Ciangherotti S, et al. **Minerva Ginecol** 1984 Jan-Feb;36(1-2):11–4 (Eng. Abstr.) **(Ita)**

[Origin of low molecular weight protein in amniotic fluid] Kashiwabara Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 May;36(5):705–9 (Eng. Abstr.) **(Jpn)**

[Progress in the prenatal diagnosis of adrenogenital syndrome] Blaim A. **Ginekol Pol** 1984 Feb;55(2):137–41 (17 ref.) (Eng. Abstr.) **(Pol)**

[Alpha 1-fetoprotein levels of the amniotic fluid in relation to the presence of blood in amniotic fluid] Lambert I, et al. **Ginekol Pol** 1983 Aug-Sep;54(8-9):531–5 (Eng. Abstr.) **(Pol)**

[Cadmium levels in the amniotic fluid and blood serum of parturients and newborn infants in normal labor and labor complicated by EPH-gestosis] Kolasa F, et al. **Pol Tyg Lek** 1983 Jul 11-18;38(28-29):901–3 (Eng. Abstr.) **(Pol)**

[Immunoglobulins in the amniotic fluid] Mlynček M, et al. **Bratisl Lek Listy** 1984 Feb;81(2):157–64 (Eng. Abstr.) **(Slo)**

[Personal experience in studying alpha fetoproteins in amniotic fluid] Turecký L, et al. **Bratisl Lek Listy** 1984 Jun;81(6):699–705 (Eng. Abstr.) **(Slo)**

[Environmental contamination with cadmium as a risk factor in human reproduction] Poradovský K, et al. **Cesk Gynekol** 1984 Mar;49(2):83–6 (Eng. Abstr.) **(Slo)**

[Zinc in the environment and its relation to human reproduction] Poradovský K, et al. **Cesk Gynekol** 1984 May;49(4):243–7 (Eng. Abstr.) **(Slo)**

[Validity of Clements' test in the presence of bile acids in the amniotic fluid] Segovia A, et al. **Rev Chil Pediatr** 1984 Mar-Apr;55(2):69–71 (Eng. Abstr.) **(Spa)**

CYTOLOGY

Rapid identification of glial cells in human amniotic fluid with indirect immunofluorescence. von Koskull H. **Acta Cytol (Baltimore)** 1984 Jul-Aug;28(4):393–400

Amniotic fluid cell types and culture. Gosden CM. **Br Med Bull** 1983 Oct;39(4):348–54 (59 ref.)

A new culture medium without fetal calf serum for human fibroblasts and amniocytes. Luo HY, et al. **Chin Med J [Engl]** 1984 Jan;97(1):7–12

Flow cytometric analysis of small DNA content differences in heterogeneous cell populations: human amniotic fluid cells. Koch H, et al. **Cytometry** 1984 Mar;5(2):118–23

Highly sensitive and rapid gene mapping using miniaturized blot hybridization: application to prenatal diagnosis. Law DJ, et al. **Gene** 1984 May;28(2):153–8

Estimation of fetal maturity by amniotic fluid cytology, creatinine, lecithin/sphingomyelin ratio and phosphatidylglycerol. Tydén O, et al. **Gynecol Obstet Invest** 1983;16(6):317–26

Decreased oxygen supply enhances growth in culture of human mid-trimester amniotic fluid cells. Brackertz M, et al. **Hum Genet** 1983;64(4):334–8

A simple method for high resolution banding of chromosomes in amniotic fluid cells. Jäger P, et al. **Hum Genet** 1984;65(3):273–7

Identification of cells from fetal bladder epithelium in human amniotic fluid. von Koskull H, et al. **Hum Genet** 1984; 65(3):262–7

Characterization of hCG regulation in cultured human amniotic fluid cells: II. Mechanisms for stimulation. Laundon CH, et al. **In Vitro** 1983 Dec;19(12):911–8

Properties of cultured epithelial cells from liver and amniotic fluid. Negishi H, et al. **Kobe J Med Sci** 1983 Jun; 29(2-3):77–94

Rapid prenatal diagnosis of glycogen-storage disease type II by electron microscopy of uncultured amniotic-fluid cells. Hug G, et al. **N Engl J Med** 1984 Apr 19; 310(16):1018–22

A rare non-heterochromatic 9p+ variant in two amniotic fluid cell cultures. Archidiacono N, et al. **Prenat Diagn** 1984 May-Jun;4(3):231–3

Maternal cell contamination of amniotic fluid cell cultures from two consecutive pregnancies complicated by fibroids. Benn PA, et al. **Prenat Diagn** 1984 Mar-Apr;4(2):151–3

European collaborative study on prenatal diagnosis: mosaicism, pseudomosaicism and single abnormal cells in amniotic fluid cell cultures. Bui TH, et al. **Prenat Diagn** 1984 Spring;4 Spec No:145–62

The effect of oxygen tension on colony formation and cell proliferation of amniotic fluid cells in vitro. Held KR, et al. **Prenat Diagn** 1984 May-Jun;4(3):171–9

Preparation of high resolution chromosomes from amniotic fluid cells. Hoo JJ, et al. **Prenat Diagn** 1983 Jul;3(3):265–7

Maternal contamination in prenatal diagnosis. Knight LA, et al. **Prenat Diagn** 1983 Apr-Jun;3(2):155–6

Analysis of normal and abnormal amniotic fluid cells in vitro by cinemicrography. Medina-Gomez P, et al. **Prenat Diagn** 1983 Oct;3(4):311–26

Fragile X demonstrated retrospectively in amniotic cells cultured in low folate medium. Nielsen LB, et al. **Prenat Diagn** 1983 Oct;3(4):367–9

Variables influencing growth and morphology of colonies of cells from human amniotic fluid. Seguin LR, et al. **Prenat Diagn** 1983 Apr-Jun;3(2):107–16

Maternal cell contamination in prenatal diagnosis [letter] Stephens JD. **Prenat Diagn** 1984 Mar-Apr;4(2):161–2

A Canadian collaborative study of mosaicism in amniotic fluid cell cultures. Worton RG, et al. **Prenat Diagn** 1984 Spring;4 Spec No:131–44

Mosaicism or pseudomosaicism: the problem of hypermodal cells in amniotic fluid cell culture. Zhang YJ, et al. **Prenat Diagn** 1984 Mar-Apr;4(2):99–108

[Successful prenatal diagnosis of the fragile X chromosome without the use of folic acid antagonists] Macek M, et al. **Cesk Pediatr** 1983 Sep;38(9):525–7 (Eng. Abstr.) **(Cze)**

[Prenatal diagnosis of a male fetal carrier of fragile X chromosome by the amniotic fluid cells] Tejada I, et al. **Ann Genet (Paris)** 1983;26(4):247–50 (Eng. Abstr.) **(Fre)**

[Densitometry and fetal superficial cell count in the amniotic fluid for the determination of fetal lung maturity] Schaller G, et al. **Geburtshilfe Fraunheilkd** 1983 Sep;43(9):552–4 (Eng. Abstr.) **(Ger)**

[A rapid demonstration of phagocytic cells from amniotic fluid in cases of neural tube defects] Polgár K, et al. **Orv Hetil** 1984 Jan 1;125(1):9–11 (Eng. Abstr.) **(Hun)**

[Morphologic study of amniotic fluid cells in mid-term pregnancy] Tóth S, et al. **Orv Hetil** 1984 Mar 25; 125(13):757–61 (Eng. Abstr.) **(Hun)**

[Antenatal determination of the genetic sex of amniotic fluid cells] Mancinelli S, et al. **Rev Med Chil** 1983 Jan; 111(1):17–20 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Bulk flow of amniotic fluid water in response to maternal osmotic challenge. Ross MG, et al. **Am J Obstet Gynecol** 1983 Nov 15;147(6):697–701

[Preventive treatment of respiratory distress syndrome in newborn infants with antepartal glucocorticoid administration (betamethasone). Clinical results and changes in the lecithin/sphingomyelin ratio of the amniotic fluid] Kühn W, et al. **Geburtshilfe Fraunheilkd** 1984 May; 44(5):315–21 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Choice of substrate in determining peroxidase activity in the amniotic fluid. Armstrong D, et al. **Acta Obstet Gynecol Scand** 1983;62(4):353–4

Effects of influenza virus replication on neutral proteolytic activities in embryonated egg fluids. Ewasyshyn ME, et al. **Acta Virol (Praha)** 1983 May;27(3):193–9

Amniotic fluid acetylcholinesterase as a prenatal diagnostic marker for upper gastrointestinal atresias. Holzgreve W, et al. **Am J Obstet Gynecol** 1983 Dec 1;147(7):837

Prenatal diagnosis of duodenal atresia using third trimester amniotic fluid immunoreactive trypsin. Legge M, et al. **Aust NZ J Obstet Gynaecol** 1984 Feb;24(1):61

Differential stabilities of fetal intestinal disaccharidases determine their relative amounts released into amniotic fluid. Potier M, et al. **Biol Neonate** 1984;45(5):257–60

Immunoreactive trypsin and the prenatal diagnosis of cystic fibrosis. Brock DJ, et al. **Br J Obstet Gynaecol** 1984 May; 91(5):449–52

Creatine kinase activity in the amniotic fluid in cases of fetal lung immaturity [letter] Ozgünes N, et al. **Clin Chem** 1984

Apr;30(4):579–80
A neural tube defect specific form of acetylcholinesterase in amniotic fluid. Bonham JR, et al. **Clin Chim Acta** 1983 Dec 15;135(2):233–7
gamma–Glutamyl transpeptidase in human amniotic fluid and in fetal tissues. Jalanko H, et al. **Clin Chim Acta** 1983 Nov 15;134(3):337–46
Prenatal diagnosis of Tay–Sachs disease with heat–labile beta–hexosaminidase B. Momoi T, et al. **Clin Chim Acta** 1983 Oct 14;133(3):331–4
Quantitative estimation of the density ratios of cholinesterase bands in human amniotic fluids. Peat D, et al. **Clin Chim Acta** 1984 Apr 27;138(3):319–24
Prenatal diagnosis of cystic fibrosis by assay of amniotic fluid microvillar enzymes. Brock DJ, et al. **Hum Genet** 1984; 65(3):248–51
Prenatal diagnosis of Sanfilippo disease type B. Kleijer WJ, et al. **Hum Genet** 1984;66(4):287–8
Human skin fibroblast collagenase inhibitor. Comparative studies in human connective tissues, serum, and amniotic fluid. Welgus HG, et al. **J Biol Chem** 1983 Oct 25; 258(20):12259–64
Gamma–glutamyl transferase activity in fetal serum, maternal serum, and amniotic fluid during gestation. Moniz C, et al. **J Clin Pathol** 1984 Jun;37(6):700–3
Stable isotope dilution analysis of 3–hydroxyisovaleric acid in amniotic fluid: contribution to the prenatal diagnosis of inherited disorders of leucine catabolism. Jakobs C, et al. **J Inherited Metab Dis** 1984;7(1):15–20
Pyruvate kinase in human amniotic fluid—a new indicator of fetal maturity in late pregnancy. Bacigalupo G, et al. **J Perinat Med** 1984;12(2):97–9
Amniotic fluid alkaline phosphatase isoenzymes in early prenatal diagnosis of cystic fibrosis. Brock DJ. **Lancet** 1983 Oct 22;2(8356):941–3
Amniotic fluid alkaline phosphatase isoenzymes in early prenatal diagnosis of cystic fibrosis [letter] Brock DJ. **Lancet** 1984 Jan 14;1(8368):102
Enzymatic determination of fetal ABH(O) blood type [letter] Ogita S, et al. **Lancet** 1984 Jun 16;1(8390):1358
Amniotic fluid alkaline phosphatase isoenzymes in early prenatal diagnosis of cystic fibrosis [letter] Super M. **Lancet** 1983 Nov 19;2(8360):1200–1
Biochemical diagnosis of cystic fibrosis [editorial] Carey WF, et al. **Med J Aust** 1983 Nov 26;2(11):528–9
False elevation of amniotic fluid enzymes of relevance for prenatal diagnosis: creatine kinase measurement in relation to Duchenne muscular dystrophy. Edwards RJ, et al. **Prenat Diagn** 1984 Jan–Feb;4(1):35–42
Errors in plasma creatine kinase estimations on fetal blood samples resulting from contamination with amniotic fluid and maternal blood: relevance for the prenatal diagnosis of Duchenne muscular dystrophy. Edwards RJ, et al. **Prenat Diagn** 1984 Mar–Apr;4(2):119–34
Alkaline phosphatase activity in amniotic fluid in pregnancies with fetal disorders. Jalanko H, et al. **Prenat Diagn** 1983 Oct;3(4):303–9
Prenatal diagnosis of citrullinemia: elevated levels of citrulline in the amniotic fluid in the three affected pregnancies. Kleijer WJ, et al. **Prenat Diagn** 1984 Mar–Apr; 4(2):113–8
Amniotic fluid protease activity and the prenatal detection of cystic fibrosis. Poenaru L, et al. **Prenat Diagn** 1983 Apr–Jun;3(2):169–72
Prenatal exclusion of metachromatic leukodystrophy by estimation of arylsulphatase A activity in chorion and cultured amniotic fluid cells. Tsvetkova IV, et al. **Prenat Diagn** 1983 Jul;3(3):233–6
Estimation of amniotic cell galactose–1–phosphate uridyltransferase for prenatal diagnosis of galactosemia in Taiwan. Chen SC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1984 Jan;83(1):113–8
[Transglycosylation activity in human body fluids with special reference to amniotic fluid] Wieczorek E, et al. **Ginekol Pol** 1983 Aug–Sep;54(8–9):525–9 (Eng. Abstr.) **(Pol)**

IMMUNOLOGY

G, A and M immunoglobulin levels in parturient's blood serum, umbilical blood of their neonates and the amniotic fluid in physiological deliveries. Gryboś M. **Arch Immunol Ther Exp (Warsz)** 1984;32(1):127–34
Amniotic fluid anti–D and the maternal serum: liquor ratio in rhesus haemolytic disease of the newborn. Neil VS, et al. **Clin Lab Haematol** 1984;6(1):39–43
Immunological and microbiological studies of midtrimester amniotic fluid. Davis LE, et al. **Gynecol Obstet Invest** 1983; 16(5):261–8
Neonatal myasthenia gravis. Anti–acetylcholine receptor antibodies in the amniotic fluid. Morel E, et al. **J Neuroimmunol** 1984 Aug;6(5):313–7
The role of immunoglobulins in amniotic fluid growth inhibition of Bacteroides fragilis, herpes simplex, coxsackie B 5 and cytomegalovirus. Evaldson G, et al. **Med Microbiol Immunol (Berl)** 1983;172(3):155–60
HLA–D and –DR antigens on human amniotic fluid cells. II. Heterogeneous expression of HLA–DR and other cell surface markers. Kreeb G, et al. **Tissue Antigens** 1984 Jan; 23(1):61–7
Immunoglobulin and C3 levels in normal human amniotic fluid. Sharma A, et al. **West Indian Med J** 1983 Sep; 32(3):140–6
[Secretory immunoglobulin A in the amniotic fluid of healthy pregnant females] Briese V, et al. **Zentralbl Gynakol** 1983; 105(14):907–12 (Eng. Abstr.) **(Ger)**
[Amniotic fluid proteinogram in normal pregnancy and in late pregnancy toxemias] Strizhova NV, et al. **Akush Ginekol (Mosk)** 1983 Dec;(12):8–9 (Eng. Abstr.) **(Rus)**
[Determination of the molecular mass of specific antigens of human amniotic fluid] Kalashnikov VV, et al. **Lab Delo** 1983;(11):13–6 (Eng. Abstr.) **(Rus)**

METABOLISM

Disposition of the adrenergic blocker metoprolol in the late–pregnant woman, the amniotic fluid, the cord blood and the neonate. Lindeberg S, et al. **Acta Obstet Gynecol Scand [Suppl]** 1984;118:61–4
Comparison of pharyngeal aspirate and amniotic fluid surfactant composition. Mattox HE 3rd, et al. **Am J Obstet Gynecol** 1984 Sep 15;150(2):132–5
A survey of pregnancies complicated by decreased amniotic fluid. Mercer LJ, et al. **Am J Obstet Gynecol** 1984 Jun 1;149(3):355–61
Placental transfer of cefotiam dihydrochloride. Miyakawa I, et al. **Antimicrob Agents Chemother** 1984 Jan;25(1):147–8
The influence of long–term administration of terbutaline on the disaturated phosphatidyl–choline concentration of fetal lung tissue and amniotic fluid in pregnant rabbits. Higuchi M, et al. **Asia Oceania J Obstet Gynaecol** 1984 Jun; 10(2):217–24
Exclusion of the fetal brain as the main source of rat and human amniotic fluid oxytocin. Swaab DF, et al. **Br J Obstet Gynaecol** 1983 Dec;90(12):1160–7
Concentrations of electrolytes and trace metals in amniotic fluid and body tissues of rabbits during the last two weeks of gestation. Palavinskas R, et al. **Comp Biochem Physiol [A]** 1983;76(1):63–9
Amniotic fluid norepinephrine concentration as an indicator of fetal sympathetic nervous activity. Effect of pregnancy complications. Puolakka J, et al. **Gynecol Obstet Invest** 1984;17(5):265–9
Glucose levels & glucose metabolism in human amniotic fluid at different stages of pregnancy. Boral RC, et al. **Indian J Med Res** 1983 Dec;78:866–9
Daily hormonal changes in the maternal, fetal, and amniotic fluid compartments before parturition in a primate species. Walsh SW, et al. **J Clin Endocrinol Metab** 1984 Apr; 58(4):629–39
Metabolism of [4–14C]androstenedione by cells cultured from human amniotic fluid. O'Shannessy DJ, et al. **J Steroid Biochem** 1984 Apr;20(4A):935–9
Amniotic fluid pregnancy–specific beta 1–glycoprotein (SP1) in fetal developmental disorders. Heikinheimo M, et al. **Prenat Diagn** 1984 Mar–Apr;4(2):147–50
Increase of prostaglandin E and F equivalents in amniotic fluid during late pregnancy and rapid PG F elevation after cervical dilatation. Nieder J, et al. **Prostaglandins Leukotrienes Med** 1983 Nov;12(3):289–97
[Endogenous prostaglandin level in the amniotic fluid in premature labor] Nieder J, et al. **Z Geburtshife Perinatol** 1984 Jan–Feb;188(1):7–11 (Eng. Abstr.) **(Ger)**
[Immunoglobulin M and alpha 2–macroglobulin in the amniotic fluid in neural tube defects] Briese V, et al. **Zentralbl Gynakol** 1983;105(15):977–81 (Eng. Abstr.) **(Ger)**
[Prenatal endocrinology. III. Insulin in the amniotic fluid and blood serum of women in the 17th week of pregnancy] Jezuita J, et al. **Ginekol Pol** 1983 Nov–Dec;54(11–12):697–9 (Eng. Abstr.) **(Pol)**
[Prenatal endocrinology. I. Cortisol in the amniotic fluid and blood serum of women in the 17th week of pregnancy] Wiśniewski L, et al. **Ginekol Pol** 1983 Nov–Dec; 54(11–12):689–91 (Eng. Abstr.) **(Pol)**
[Prenatal endocrinology. II. Growth hormone in the amniotic fluid and blood serum of women in the 17th week of pregnancy] Wiśniewski L, et al. **Ginekol Pol** 1983 Nov–Dec;54(11–12):693–5 (Eng. Abstr.) **(Pol)**
[Zinc, copper, magnesium and cadmium levels in the amniotic fluid in physiological pregnancy and pregnancy toxemia] Kolasa F, et al. **Wiad Lek** 1983 May 15;36(10):821–4 (Eng. Abstr.) **(Pol)**

MICROBIOLOGY

Bacteriological study of amniotic fluid during labor. Maye DP, et al. **Acta Obstet Gynecol Scand** 1983;62(6):603–7
Failure of inhibition of in vivo group B streptococcus growth in rhesus amniotic fluid. Hemming VG, et al. **Am J Obstet Gynecol** 1984 May 15;149(2):230–1
Transplacental passage of influenza A/Bangkok (H3N2) mimicking amniotic fluid infection syndrome. McGregor JA, et al. **Am J Obstet Gynecol** 1984 Aug 15;149(8):856–9
Intra–amniotic bacterial colonization in premature labor. Wahbeh CJ, et al. **Am J Obstet Gynecol** 1984 Mar 15; 148(6):739–43
Antimicrobial activity of amniotic fluid in South Indian women. Mathai M, et al. **Br J Obstet Gynaecol** 1984 Jun; 91(6):560–4
Group B streptococcus amnionitis with intact membranes associated with quintuplet delivery. Neri A, et al. **Eur J Obstet Gynecol Reprod Biol** 1984 Apr;17(1):29–32
False positive gram stain of amniotic fluid from amniocentesis: case reports. Elliott JP, et al. **Milit Med** 1984 Apr;149(4):225–6
Enhancement of the antibacterial property of amniotic fluid by hyperthermia. Larsen B, et al. **Obstet Gynecol** 1984 Mar; 63(3):425–9
Isolation of Mycoplasma hominis and Ureaplasma urealyticum from amniotic fluid at 16–20 weeks of gestation: potential effect on outcome of pregnancy. Cassell GH, et al. **Sex Transm Dis** 1983 Oct–Dec;10(4 Suppl):294–302
Role of wildebeest fetal membranes and fluids in the transmission of malignant catarrhal fever virus. Rossiter PB, et al. **Vet Rec** 1983 Aug 13;113(7):150–2
[Rupture of the membranes and amniotic infection. Apropos of 3000 cases] Tessier F, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1983;12(6):633–42 (Eng. Abstr.) **(Fre)**
[Antimicrobial properties of amniotic fluid] Mlynček M, et al. **Bratisl Lek Listy** 1984 Jan;81(1):99–105 **(Slo)**

PHYSIOLOGY

Inhibition of group B streptococci by amniotic fluid from patients with intra–amniotic infection and from control subjects. Blanco JD, et al. **Am J Obstet Gynecol** 1983 Oct 1;147(3):247–50
Pressure malformations from a chronic leakage of amniotic fluid: possible iatrogenic origin of extramembranous pregnancy and the extrachorial placenta. Davies BR, et al. **Am J Obstet Gynecol** 1983 Dec 1;147(7):838–9
Nanosecond time–resolved emission anisotropy of the fluorescent probe 1,6–diphenyl–1,3,5–hexatriene in human amniotic fluid. Cavalieri RL, et al. **Biochim Biophys Acta** 1984 Feb 9;792(2):158–63
The value of ultrasound measurement of amniotic fluid volume in the management of prolonged pregnancies. Crowley P, et al. **Br J Obstet Gynaecol** 1984 May; 91(5):444–8
Amniotic fluid and midtrimester amniocentesis: a review. Finegan JA. **Br J Obstet Gynaecol** 1984 Aug;91(8):745–50 (50 ref.)
Antibacterial activity in human amniotic fluid: relationship to zinc and phosphate. Scane TM, et al. **Br J Obstet Gynaecol** 1984 Apr;91(4):342–8
Experimental production of pulmonary hypoplasia following amniocentesis and oligohydramnios. Moessinger AC, et al. **Early Hum Dev** 1983 Oct;8(3–4):343–50
Fetal pulmonary maturity: relationship between optical density (650 nm) to the lecithin/sphingomyelin ratio and phosphatidylglycerol in amniotic fluid. Moodley S, et al. **Int J Gynaecol Obstet** 1983 Jun;21(3):199–203
Amniotic fluid volume and in vivo permeability of ovine fetal membranes. Lingwood BE, et al. **Obstet Gynecol** 1984 Sep;64(3):368–72
Attraction and repulsion by amniotic fluids and their olfactory control in the ewe around parturition. Levy F, et al. **Physiol Behav** 1983 Nov;31(5):687–92
[Amniotic fluid circulation with special reference to hydramnios] Hölzl M. **Fortschr Med** 1983 Jul 28; 101(27–28):1298–303 (Eng. Abstr.) **(Ger)**
[Function of the cytotrophoblast in the amniotic fluid/fetus compartment] Schmidt W, et al. **Z Geburtshife Perinatol** 1984 Jan–Feb;188(1):24–8 (Eng. Abstr.) **(Ger)**

SECRETION

The variable effects of oligohydramnios on the biparietal diameter and the cephalic index. Hill LM, et al. **J Ultrasound Med** 1984 Feb;3(2):93–5

AMOBARBITAL

DIAGNOSTIC USE

Observations on verbal, pictorial and stereognostic memory in epileptic patients during intracarotid Amytal testing. Silfvenius H, et al. **Acta Neurol Scand [Suppl]** 1984;99:57–75
Results from intracarotid Amytal tests in epileptic patients. Silfvenius H, et al. **Acta Neurol Scand [Suppl]** 1984;99:77–8
Neuropsychological and linguistic correlates of atypical language lateralization: evidence from sodium amytal studies. Mateer CA, et al. **Hum Neurobiol** 1983;2(3):135–42
The Amytal interview in the diagnosis of late onset psychosis with cultural features presenting as catatonic stupor. Pellegrini AJ, et al. **J Nerv Ment Dis** 1984 Aug; 172(8):502–4

PHARMACODYNAMICS

Speech comprehension after unilateral injection of sodium amytal. McGlone J. **Brain Lang** 1984 May;22(1):150–7
Inhibition by phenobarbital and lack of effect of amobarbital on the development of liver tumors induced by N–nitrosodiethylamine in juvenile B6C3F1 mice. Diwan BA, et al. **Cancer Lett** 1984 Jun;23(2):223–34

POISONING

[Perdormal poisonings] Missliwetz J, et al. **Beitr Gerichtl Med** 1984;42:435–9 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

[Status of cerebral capillary circulation during ischemia with

barbiturate protection] Bogolepov NN, et al. **Zh Nevropatol Psikhiatr** 1983;83(8):1137–42 (Eng. Abstr.) **(Rus)**

AMODIACHIN see **AMODIAQUINE**

AMODIAQUINE

ADVERSE EFFECTS

[Amodiaquine-induced agranulocytosis in malaria prevention: demonstration of an amodiaquine-induced cytotoxic antibody against granulocytes] Schulthess HK, et al. **Schweiz Med Wochenschr** 1983 Dec 17;113(50):1912–3 (Eng. Abstr.) **(Ger)**

ANALYSIS

Simultaneous spectrophotometric determination of amodiaquine–primaquine mixtures in dosage forms. Hassan SM, et al. **J Assoc Off Anal Chem** 1983 Nov;66(6):1433–5

PHARMACODYNAMICS

Plasmodium falciparum in Kisumu, Kenya: differences in sensitivity to amodiaquine and chloroquine in vitro. Spencer HC, et al. **J Infect Dis** 1983 Oct;148(4):732–6

THERAPEUTIC USE

Evaluation of amodiaquine treatment of chloroquine-resistant Plasmodium falciparum malaria on Zanzibar, 1982. Campbell CC, et al. **Am J Trop Med Hyg** 1983 Nov;32(6):1216–20

Amodiaquine and chloroquine efficacy against Plasmodium falciparum in Madagascar [letter] Deloron P, et al. **Lancet** 1984 Jun 9;1(8389):1303–4

Amodiaquine more effective than chloroquine against Plasmodium falciparum malaria on Kenya coast [letter] Spencer HC, et al. **Lancet** 1984 Apr 28;1(8383):956–7

Effectiveness of amodiaquine as treatment for chloroquine-resistant Plasmodium falciparum infections in Kenya. Watkins WM, et al. **Lancet** 1984 Feb 18; 1(8373):357–9

Treatment of Plasmodium falciparum malaria with a combination of amodiaquine and tetracycline in Central Thailand. Noeypatimanond S, et al. **Trans R Soc Trop Med Hyg** 1983;77(3):338–40

[Drug prevention of malaria] Loban KM, et al. **Sov Med** 1983;(11):91–3 **(Rus)**

AMOEBA

ANALYSIS

Polyamines in Acanthamoeba castellanii: presence of an unusually high, osmotically sensitive pool of 1,3-diaminopropane. Poulin R, et al. **Biochem Biophys Res Commun** 1984 Jul 18;122(1):388–93

Actin of Naegleria gruberi. Absence of N tau-methylhistidine. Sussman DJ, et al. **J Biol Chem** 1984 Jun 10;259(11):7349–54

Acanthamoeba castellanii capping protein: properties, mechanism of action, immunologic cross-reactivity, and localization. Cooper JA, et al. **J Cell Biol** 1984 Jul;99(1 Pt 1):217–25

Physical, immunochemical, and functional properties of Acanthamoeba profilin. Tseng PC, et al. **J Cell Biol** 1984 Jan;98(1):214–21

CYTOLOGY

Preservation and phallotoxin-staining of the microfilament system in Amoeba proteus. Stockem W, et al. **Cell Biol Int Rep** 1984 Mar;8(3):207–13

Quantitative analysis of changes in cell shape of Amoeba proteus during locomotion and upon responses to salt stimuli. Ueda T, et al. **Exp Cell Res** 1983 Sep;147(2):466–71

[Effects of pH and ATP on the cytoplasm of Amoeba proteus: relation between cytoplasm motility and actin polymerization] Paulin-Levasseur M, et al. **Eur J Cell Biol** 1984 Jan;33(1):29–36 (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

Inactivation of Naegleria gruberi cysts by chlorinated cyanurates. Engel JP, et al. **Appl Environ Microbiol** 1983 Nov;46(5):1157–62

In vitro susceptibility testing of Naegleria fowleri to ketoconazole, BAYn7133, and allopurinol riboside. Smego RA Jr, et al. **J Parasitol** 1984 Apr;70(2):317–8

[Sensitivity of amoebae of the 'limax' group to selected antiparasitic drugs. I. Studies in vitro] Mazur T, et al. **Wiad Parazytol** 1983;29(3):253–62 (Eng. Abstr.) **(Pol)**

[Sensitivity of amoebae of the 'limax' group to selected antiparasitic drugs. II. Studies in vivo] Mazur T, et al. **Wiad Parazytol** 1983;29(3):263–72 (Eng. Abstr.) **(Pol)**

ENZYMOLOGY

Phosphorylation and activation of smooth muscle myosin by Acanthamoeba myosin I heavy chain kinase. Hammer JA 3d, et al. **J Biol Chem** 1984 Mar 10;259(5):3224–9

Effects of limited tryptic cleavage on the physical and enzymatic properties of myosin II from Acanthamoeba castellanii. Kuznicki J, et al. **J Biol Chem** 1984 Jul 25; 259(14):9308–13

Interdependence of factors affecting the actin-activated ATPase activity of myosin II from Acanthamoeba castellanii. Kuznicki J, et al. **J Biol Chem** 1984 Jul 25; 259(14):9302–7

Purification of a protein phosphatase from Acanthamoeba that dephosphorylates and activates myosin II. McClure JA, et al. **J Biol Chem** 1983 Dec 10;258(23):14570–5

Inhibition of acanthamoeba actomyosin-II ATPase activity and mechanochemical function by specific monoclonal antibodies. Kiehart DP, et al. **J Cell Biol** 1984 Sep; 99(3):1024–33

GENETICS

Rapid disappearance of translatable actin mRNA during cell differentiation in Naegleria. Sussman DJ, et al. **J Biol Chem** 1984 Jun 10;259(11):7355–60

Regulation of ribosomal RNA transcription during differentiation of Acanthamoeba castellanii: a review. Paule MR. **J Protozool** 1983 May;30(2):211–4 (34 ref.)

GROWTH & DEVELOPMENT

Phenothiazine compounds inhibit in vitro growth of pathogenic free-living amoebae. Schuster FL, et al. **Antimicrob Agents Chemother** 1984 Jan;25(1):109–12

Characterization of L-glutamate dehydrogenase activity of axenically grown Acanthamoeba culbertsoni. Singh US, et al. **Indian J Biochem Biophys** 1983 Jun;20(3):146–8

Calcium regulation of flagellation in Naegleria gruberi. Schuster FL, et al. **J Cell Sci** 1983 Sep;63:311–26

Comparison of Naegleria fowleri and Naegleria gruberi cultivated in the same nutrient medium. Cline M, et al. **J Protozool** 1983 May;30(2):387–91

Defined minimal growth medium for Acanthamoeba polyphaga. Ingalls CS, et al. **J Protozool** 1983 Aug; 30(3):606–8

Chemically defined media for the cultivation of Naegleria: pathogenic and high temperature tolerant species. Nerad TA, et al. **J Protozool** 1983 May;30(2):383–7

[Comparative study of 3 strains of Naegleria] Zubiaur E, et al. **Microbiol Esp** 1983 Jul-Dec;36(3–4):103–14 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Human neutrophils require activation by mononuclear leucocyte conditioned medium to kill the pathogenic free-living amoeba, Naegleria fowleri. Ferrante A, et al. **Clin Exp Immunol** 1984 Jun;56(3):559–66

Activation of the alternative pathway of complement by Acanthamoeba culbertsoni. Ferrante A, et al. **Clin Exp Immunol** 1983 Nov;54(2):477–85

Mitogenicity of Naegleria fowleri extract for murine T lymphocytes. Ferrante A, et al. **Immunology** 1984 Mar; 51(3):461–8

ISOLATION & PURIFICATION

Isolation and identification of pathogenic Naegleria australiensis (Amoebida, Vahlkampfiidae) from a spa in northern Italy. Scaglia M, et al. **Appl Environ Microbiol** 1983 Dec;46(6):1282–5

A survey of pathogenic and free-living amoebae inhabiting swimming pool water in Mexico City. Rivera F, et al. **Environ Res** 1983 Oct;32(1):205–11

Isolation of two strains of Acanthamoeba castellanii from human tissue and their pathogenicity and isoenzyme profiles. Visvesvara GS, et al. **J Clin Microbiol** 1983 Dec; 18(6):1405–12

Isolation and identification of pathogenic Naegleria australiensis (De Jonckheere, 1981) from pond water in India [letter] Michel R, et al. **Trans R Soc Trop Med Hyg** 1983;77(6):878

Naegleria: observations on its distribution in east Asia and South America, and electron microscopic studies on cultured trophozoites. Akao S, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 Mar; 256(3):273–9

[Isolation and identification of 2 new pathogenic strains of Naegleria australiensis] Pernin P, et al. **Ann Parasitol Hum Comp** 1984;59(2):133–42 (Eng. Abstr.) **(Fre)**

[Acanthamoebae, Naegleria and other free-living Amoebae in cooling and rinsing water of dental treatment units] Michel R, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1984 Mar;179(1):56–72 (Eng. Abstr.) **(Ger)**

[Occurrence of Naegleria fowleri in a free environment and biological properties of isolated strains] Mazur T. **Wiad Parazytol** 1984;30(1):3–35 (Eng. Abstr.) **(Pol)**

[Parasitological study in lettuce and beets in the city of Valdivia, Chile] Franjola R, et al. **Rev Med Chil** 1984 Jan; 112(1):57–60 (Eng. Abstr.) **(Spa)**

METABOLISM

Acanthamoeba myosin IA, IB, and II heavy chains are synthesized in vitro from Acanthamoeba messenger RNA. Hammer JA 3d, et al. **J Biol Chem** 1984 Sep 25; 259(18):11157–9

Monoclonal antibodies demonstrate limited structural homology between myosin isozymes from Acanthamoeba. Kiehart DP, et al. **J Cell Biol** 1984 Sep;99(3):1002–14

Direct localization of monoclonal antibody-binding sites on Acanthamoeba myosin-II and inhibition of filament formation by antibodies that bind to specific sites on the myosin-II tail. Kiehart DP, et al. **J Cell Biol** 1984 Sep; 99(3):1015–23

Polymerization of ADP-actin. Pollard TD. **J Cell Biol** 1984 Sep;99(3):769–77

Macromolecular syntheses during the quick-change act of Naegleria. Fulton C. **J Protozool** 1983 May;30(2):192–8 (34 ref.)

MICROBIOLOGY

Intracellular growth of Legionella pneumophila within Acanthamoeba castellanii Neff. Holden EP, et al. **Infect Immun** 1984 Jul;45(1):18–24

PATHOGENICITY

A multicomponent hemolytic system in the pathogenic amoeba Naegleria fowleri. Lowrey DM, et al. **Infect Immun** 1984 Sep;45(3):731–6

In vitro sensitivity of virulent Acanthamoeba culbertsoni to a variety of drugs and antibiotics. Ferrante A, et al. **Int J Parasitol** 1984 Feb;14(1):53–6

The pathogenicity of a free living Amoeba in Assiut, Egypt. Mandour AM, et al. **J Egypt Soc Parasitol** 1984 Jun; 14(1):207–11

A comparative study of 14 strains of Naegleria australiensis demonstrates the existence of a highly virulent subspecies: N. australiensis italica n. spp. De Jonckheere JF, et al. **J Protozool** 1984 May;31(2):324–31

[Pathogenic free-living amoeba] Yi YY. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1984;2(1):53–4 **(Chi)**

[Pathogenicity of Acanthamoeba isolated from water] Janitschke K, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Apr; 177(3–4):350–8 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Cell-substrate interactions in amoeboid locomotion – a matched reflexion interference and transmission electron microscopy study. King CA, et al. **Cell Biol Int Rep** 1983 Aug;7(8):641–9

An ion-channel forming protein produced by Entamoeba histolytica. Lynch EC, et al. **EMBO J** 1982;1(7):801–4

Organic nutrients & catabolite repression of encystation of Acanthamoeba culbertsoni. Srivastava DK, et al. **Indian J Exp Biol** 1983 Aug;21(8):455–7

Encystment of Acanthamoeba culbertsoni by organic effectors. Srivastava DK, et al. **Indian J Exp Biol** 1983 Aug;21(8):444–7

Encystment of Acanthamoeba culbertsoni in non-nutrient inorganic media. Srivastava DK, et al. **Indian J Exp Biol** 1983 Aug;21(8):440–3

Synthesis and assembly of the cytoskeleton of Naegleria gruberi flagellates. Walsh C. **J Cell Biol** 1984 Feb; 98(2):449–56

ATP and the autonomy of the contractile vacuole in Amoeba proteus. Pothier F, et al. **J Exp Zool** 1984 May;230(2):211–8

Interaction of L. pneumophilia and a free living amoeba (Acanthamoeba palestinensis). Anand CM, et al. **J Hyg (Lond)** 1983 Oct;91(2):167–78

The pathogenic amoeboflagellate Naegleria fowleri: environmental isolations, competitors, ecologic interactions, and the flagellate-empty habitat hypothesis. Griffin JL. **J Protozool** 1983 May;30(2):403–9

Plasma membrane biogenesis in eukaryotic cells: translocation of newly synthesized lipid. Mills JT, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(5):1385–8

ULTRASTRUCTURE

Sucker-like structures on the pathogenic amoeba Naegleria fowleri. John DT, et al. **Appl Environ Microbiol** 1984 Jan; 47(1):12–4

[Observation of filaments of 10nm in the demembraned cytoplasm of Amoeba proteus] Paulin-Levasseur M, et al. **Eur J Cell Biol** 1984 May;34(1):60–3 (Eng. Abstr.) **(Fre)**

AMOEBIASIS see **AMEBIASIS**

AMOXAPINE see under **DIBENZOXAZEPINES**

AMOXICILLIN

Drugs recently released in Belgium. Harvengt C. **Acta Clin Belg** 1983;38(4):273–6

ADMINISTRATION & DOSAGE

Single-dose amoxicillin therapy with follow-up urine culture [letter] Ben Redjeb S, et al. **Am J Med** 1984 Mar;76(3):A79, A87

Single-dose treatment of uncomplicated urinary tract infections in children. Stahl GE, et al. **Ann Emerg Med** 1984 Sep;13(9 Pt 1):705–8

Amoxicillin combined with clavulanic acid for the treatment of soft tissue infections in children. Fleisher GR, et al. **Antimicrob Agents Chemother** 1983 Nov;24(5):679–81

Prospective comparison of amoxicillin-clavulanic acid and cefaclor in treatment of uncomplicated urinary tract infections. Gurwith MJ, et al. **Antimicrob Agents Chemother** 1983 Nov;24(5):716–9

Double-blind comparative study of two dosage regimens of cefaclor and amoxicillin-clavulanic acid in the outpatient treatment of soft tissue infections. Pien FD. **Antimicrob Agents Chemother** 1983 Dec;24(6):856-9

Prophylaxis of experimental endocarditis in rabbits using one or two doses of amoxycillin. McGowan DA, et al. **Br Dent J** 1983 Aug 6;155(3):88-90

Treating gonococcal urethritis in men: oral amoxycillin potentiated by clavulanate compared with intramuscular procaine penicillin. Latif AS, et al. **Br J Vener Dis** 1984 Feb;60(1):29-30

Two dose Augmentin treatment of acute gonorrhoea in men. Lim KB, et al. **Br J Vener Dis** 1984 Jun;60(3):161-3

Erythromycin compared with a combination of ampicillin and amoxycillin as initial therapy for adults with pneumonia including Legionnaires' disease. Macfarlane JT, et al. **J Infect** 1983 Sep;7(2):111-7

High-dose amoxycillin [letter] **Lancet** 1983 Nov 26; 2(8361):1258-9

Educational antibiotic advertising campaign [letter] Harvey K, et al. **Med J Aust** 1983 Nov 26;2(11):536-7

[Local injection of amoxicillin in the treatment of chronic prostatitis] Chantrie M. **Acta Urol Belg** 1983;51(4):538-42 (Eng. Abstr.) **(Fre)**

[Effectiveness, tolerability, and pharmacokinetic aspects of oral amoxicillin in the newborn infant] Squinazi F, et al. **Ann Pediatr (Paris)** 1983 Sep;30(7):528-32 (Eng. Abstr.) **(Fre)**

[Epidemiological and therapeutic studies of gonorrheal infections (I)—clinical efficacy of long acting amoxicillin (L-AMPC)] Kumamoto Y, et al. **Hinyokika Kiyo** 1983 Nov;29(11):1537-64 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Pseudomembranous colitis with recurring diarrhoea and prolonged persistence of Clostridium difficile in a 10-year-old girl. Vesikari T, et al. **Acta Paediatr Scand** 1984 Jan;73(1):135-7

Treatment of patients with glandular fever with ampicillin or amoxycillin [letter] Gibbs P. **Br Dent J** 1984 Feb 11; 156(3):78

[Superficial pemphigus in children. Induction by amoxicillin?] Toan ND, et al. **Ann Dermatol Venereol** 1983;110(11):917-9 **(Fre)**

BLOOD

Serum amoxycillin levels following oral loading dose prior to outpatient general anaesthesia for dental extractions. Cannon PD, et al. **J Antimicrob Chemother** 1984 Mar; 13(3):285-9

The effect of probenecid on serum amoxycillin concentrations up to 18 hours after a single 3 g oral dose of amoxycillin: possible implications for preventing endocarditis. Shanson DC, et al. **J Antimicrob Chemother** 1984 Jun;13(6):629-32

High-performance liquid chromatographic determination of amoxicillin in human plasma using a bonded-phase extraction. Lee TL, et al. **J Chromatogr** 1984 Mar 9; 306:429-35

[Blood amoxicillin concentrations in agricultural animals and poultry treated intramuscularly with drug forms containing amoxicillin sodium and amoxicillin trihydrate] Lashev L, et al. **Vet Med Nauki** 1983;20(9):96-105 (Eng. Abstr.) **(Bul)**

[Beta-lactamase inhibitors. II. Pharmacokinetics of an amoxicillin + clavulanic acid combination in renal insufficiency and during hemodialysis] Dalet F, et al. **Rev Clin Esp** 1984 Feb 15;172(3):159-63 (Eng. Abstr.) **(Spa)**

CEREBROSPINAL FLUID

[Spinal concentrations of amoxicillin in purulent meningitis in children] Denis F, et al. **Pathol Biol (Paris)** 1983 May; 31(5):308-10 (Eng. Abstr.) **(Fre)**

METABOLISM

Distribution to human peripheral lymph of amoxycillin and of ampicillin from the oral prodrug bacampicillin. Bergan T, et al. **J Antimicrob Chemother** 1983 Nov;12(5):497-502

Amoxycillin/clavulanic acid: the effect of probenecid. Staniforth DH, et al. **J Antimicrob Chemother** 1983 Sep; 12(3):273-5

The pharmacokinetics of orally absorbed cefuroxime compared with amoxycillin/clavulanic acid. Wise R, et al. **J Antimicrob Chemother** 1984 Jun;13(6):603-10

Transfer of bioactive substances in breast milk [letter] McEvoy B. **Med J Aust** 1984 Aug 4;141(3):196

Penetration of ampicillin ('Pondocillin') and amoxycillin ('Imacillin') into bronchial secretions. Hagstad H. **Pharmatherapeutica** 1984;3(10):692-7

[Comparative studies of amoxicillin resorption and distribution in poultry] Lashev L, et al. **Vet Med Nauki** 1983;20(5-6):22-8 (Eng. Abstr.) **(Bul)**

PHARMACODYNAMICS

In vitro activity of amoxicillin in combination with clavulanic acid against Mycobacterium tuberculosis. Cynamon MH, et al. **Antimicrob Agents Chemother** 1983 Sep;24(3):429-31

In vitro evaluation of Augmentin by broth microdilution and disk diffusion susceptibility testing: regression analysis, tentative interpretive criteria, and quality control limits. Fuchs PC, et al. **Antimicrob Agents Chemother** 1983 Jul; 24(1):31-8

Antibacterial activity and kill kinetics of amoxicillin-clavulanic acid combinations against Escherichia coli and Klebsiella aerogenes. Fuglesang JE, et al. **Infection** 1983 Nov-Dec;11(6):329-35

Resistance in oral streptococci after repeated two-dose amoxycillin prophylaxis. Southall PJ, et al. **J Antimicrob Chemother** 1983 Aug;12(2):141-6

Influence of amoxycillin and cefaclor on the colonization resistance of oropharynx. van Saene HK, et al. **Scand J Infect Dis [Suppl]** 1983;39:97-9

Treponemicidal levels of amoxicillin in cerebrospinal fluid after oral administration. Faber WR, et al. **Sex Transm Dis** 1983 Jul-Sep;10(3):148-50

[Effect of the amoxicillin-gentamicin combination in the presence of clavulanic acid on 8 strains of amoxicillin-resistant bacteria] Deforges L, et al. **Pathol Biol (Paris)** 1984 Jun;32(5 Pt 2):496-500 (Eng. Abstr.) **(Fre)**

[In vitro activity of the amoxicillin-clavulanic acid combination on anaerobic bacteria. Comparison with amoxicillin, lamoxactam and metronidazole] Deforges L, et al. **Pathol Biol (Paris)** 1984 Jun;32(5 Pt 2):540-3 (Eng. Abstr.) **(Fre)**

[Influence of amoxicillin combined with clavulanic acid on the fecal flora in children] Lambert-Zechovsky N, et al. **Pathol Biol (Paris)** 1984 May;32(5):436-8 (Eng. Abstr.) **(Fre)**

[Preliminary evaluation of the sensitivity of selected bacteria to amoxicillin and augmentin in comparison with other antibiotics used to date] Ruczkowska J, et al. **Przegl Lek** 1984;41(4):321-4 (Eng. Abstr.) **(Pol)**

THERAPEUTIC USE

Antibiotic treatment of Haemophilus influenzae and Haemophilus parainfluenzae infections in patients with cystic fibrosis. Pressler T, et al. **Acta Paediatr Scand** 1984 Jul;73(4):541-7

Cefaclor v amoxicillin in treatment of acute otitis media. Giebink GS, et al. **Am J Dis Child** 1984 Mar;138(3):287-92

Amoxicillin plus clavulanic acid in the treatment of recurrent urinary tract infections. Brumfitt W, et al. **Antimicrob Agents Chemother** 1984 Feb;25(2):276-8

Efficacy of BRL 25000 against Serratia marcescens, Enterobacter cloacae, and Citrobacter freundii in urinary tract infections. Nakazawa H, et al. **Antimicrob Agents Chemother** 1983 Sep;24(3):437-9

Single-dose amoxicillin therapy of acute uncomplicated urinary tract infections in women. Tolkoff-Rubin NE, et al. **Antimicrob Agents Chemother** 1984 May;25(5):626-9

Amoxycillin and clavulanic acid in the treatment of urinary infection. Al Roomi LG, et al. **Arch Dis Child** 1984 Mar; 59(3):256-9

The use of oral amoxycillin for the treatment of actinomycosis. A clinical and in vitro study. Martin MV. **Br Dent J** 1984 Apr 7;156(7):252-4

Augmentin therapy in the treatment of urinary tract infections in general practice. Abbas AM, et al. **Br J Clin Pract** 1984 Feb;38(2):49-51

The effect of augmentin on sputum beta-lactamase activity in patients with cystic fibrosis. Penketh AR, et al. **Br J Clin Pract** 1984 May;38(5):188-9

Comparison of amoxycillin and procaine penicillin in the treatment of uncomplicated gonorrhoea [letter] Apaya JA. **Br J Vener Dis** 1984 Aug;60(4):274-5

Treatment of uncomplicated anogenital gonorrhoea with a single oral dose of 3 g amoxycillin combined with 250 mg clavulanic acid [letter] De Silva AH, et al. **Br J Vener Dis** 1984 Apr;60(2):132-3

Augmentin (amoxycillin-clavulanic acid) compared with co-trimoxazole in urinary tract infections. Fancourt GJ, et al. **Br Med J [Clin Res]** 1984 Jul 14;289(6437):82-3

A clinical and bacteriological evaluation of Augmentin: a new broad spectrum antibiotic in general practice. Hansrod D, et al. **East Afr Med J** 1983 Nov;60(11):778-82

Comparative study using norfloxacin and amoxycillin in the treatment of complicated urinary tract infections in geriatric patients. Leigh DA, et al. **J Antimicrob Chemother** 1984 May;13 Suppl B:79-83

Broad spectrum oral amoxycillin in acute respiratory tract infections. Kalachand S. **J Int Med Res** 1984;12(3):207-9

A multicentre general practice study comparing pivampicillin (Pondocillin) and amoxycillin (Amoxil) in respiratory tract infections. Moran DG. **J Int Med Res** 1983;11(6):370-4

Treatment of acute maxillary sinusitis in childhood: a comparative study of amoxicillin and cefaclor. Wald ER, et al. **J Pediatr** 1984 Feb;104(2):297-302

Single-dose amoxicillin therapy of urinary tract infection among an unselected population of women. McAllister CK, et al. **Milit Med** 1984 Apr;149(4):210-2

Amoxicillin and potassium clavulanate: an antibiotic combination. Mechanism of action, pharmacokinetics, antimicrobial spectrum, clinical efficacy and adverse effects. Weber DJ, et al. **Pharmacotherapy** 1984 May-Jun; 4(3):122-36

Treatment of otitis media in children. A comparison between cefaclor and amoxycillin. John WR, et al. **Practitioner** 1983 Dec;227(1386):1805-9

Augmentin (Amoxycillin and clavulanic acid) in the treatment of urinary tract infections and skin and soft tissue infections. Tan TH, et al. **Singapore Med J** 1983 Oct; 24(5):299-302

In-vitro activity of augmentin against clinically important gram-positive and gram-negative bacteria in comparison with other antibiotics. Focht J, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 Apr; 256(4):523-30

[Treatment of urinary infection with a combination of amoxycillin and clavulanic acid] Vránková J, et al. **Cas Lek Cesk** 1983 Sep 16;122(37):1144-5 (Eng. Abstr.) **(Cze)**

[Potential value of the amoxicillin-clavulanic acid combination in general medicine, gynecology-obstetrics and pediatrics departments] Jarlier V, et al. **Pathol Biol (Paris)** 1984 Jun;32(5 Pt 2):492-5 (Eng. Abstr.) **(Fre)**

[Comparative double-blind clinical study of co-tetroxazine and amoxicillin in common ENT infections] Zbären P, et al. **Praxis** 1983 Nov 22;72(47):1491-3 (Eng. Abstr.) **(Fre)**

[One-time therapy of acute cystitis in women. Comparison between gentamycin and amoxicillin] Kleinschmidt K, et al. **Dtsch Med Wochenschr** 1983 Dec 2;108(48):1837-40 (Eng. Abstr.) **(Ger)**

[Cephadroxil and amoxicillin in patients with urinary tract infections] Buckert D, et al. **Med Welt** 1983 Nov 25; 34(47):1360-2 **(Ger)**

[Use of cofosfolactamine in localized bacterial infections] Scalzini A, et al. **G Ital Chemioter** 1984 Jan-Aug; 31(1-2):205-6 **(Ita)**

[Clinical investigation of a long-acting amoxicillin preparation in patients with skin and soft-tissue infections] Nakayama I, et al. **Jpn J Antibiot** 1983 May;36(5):1137-63 (Eng. Abstr.) **(Jpn)**

[Evaluation of the efficacy of chloramphenicol and amoxicillin in the treatment of typhoid fever] Pahissa A, et al. **Med Clin (Barc)** 1984 Apr 7;82(13):572-4 (Eng. Abstr.) **(Spa)**

[Beta-lactamase inhibitors. I. In vivo evaluation of an amoxicillin + clavulanic acid combination in the treatment of urinary infections] Dalet F, et al. **Rev Clin Esp** 1984 Feb 15;172(3):153-7 (Eng. Abstr.) **(Spa)**

AMP see **ADENOSINE MONOPHOSPHATE**

AMP DEAMINASE see under **NUCLEOTIDE DEAMINASES**

AMPHENONE B see under **BUTANONES**

AMPHETAMINE

Amphetamine-induced hyperphagia and obesity caused by intraventricular or lateral hypothalamic injections in rats. Hernandez L, et al. **J Pharmacol Exp Ther** 1983 Nov; 227(2):524-30

Intracerebral haemorrhage and vasculitis secondary to amphetamine use. Salanova V, et al. **Postgrad Med J** 1984 Jun;60(704):429-30

Amphetamine-induced acute renal failure. Foley RJ, et al. **South Med J** 1984 Feb;77(2):258-60

ADMINISTRATION & DOSAGE

(+)-Amphetamine oral 'drug taking behavior' in naive and tolerant rats. Jänicke UA, et al. **Drug Alcohol Depend** 1984 Mar;13(2):177-89

[Effect of enkephalinamide on the sensitivity of neurons of the lateral hypothalamus to phenamine in the rat] Bondarenko TT. **Neirofiziologiia** 1984;16(2):263-5 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Adrian. Smith C. **Br Med J [Clin Res]** 1983 Nov 5; 287(6402):1350-1

ANALYSIS

Leuckart-specific impurities in amphetamine and methamphetamine seized in Norway. Lambrechts M, et al. **Bull Narc** 1984 Jan-Mar;36(1):47-57

Nails as useful materials for detection of methamphetamine or amphetamine abuse. Suzuki O, et al. **Forensic Sci Int** 1984 Jan;24(1):9-16

Detection of methamphetamine and amphetamine in a single human hair by gas chromatography/chemical ionization mass spectrometry. Suzuki O, et al. **J Forensic Sci** 1984 Apr;29(2):611-7

Determination of amphetamine, norephedrine, and their phenolic metabolites in rat brain by gas chromatography. Coutts RT, et al. **J Pharm Sci** 1984 Jun;73(6):808-12

ANTAGONISTS & INHIBITORS

Long-lasting reduction of amphetamine-induced hyperactivity in rats after combined administration of caerulein with haloperidol. Matsubara K, et al. **Eur J Pharmacol** 1984 May 18;101(1-2):157-8

Determination of functionally-relevant serum levels of MJ 13859-1 in the dog: relationship to blockade of amphetamine stereotypy. Eison MS, et al. **Methods Find Exp Clin Pharmacol** 1984 May;6(5):255-9

Caffeine reduces amphetamine-induced activity in asymmetrical interaction. White BC, et al.

Pharmacol Biochem Behav 1984 Mar;20(3):387–9

DIAGNOSTIC USE

Biological markers for endogenous depression in series and parallel. Feinberg M, et al. **Biol Psychiatry** 1984 Jan; 19(1):3–11

Provocative drug testing in Tourette's syndrome: d- and l-amphetamine and haloperidol. Caine ED, et al. **J Am Acad Child Psychiatry** 1984 Mar;23(2):147–52

METABOLISM

Intersex difference in striatal amphetamine concentration is independent of age. Hyde JF, et al. **Brain Res Bull** 1983 Jul;11(1):127–8

Long-term effects of a priming dose and short-term infusion of amphetamine on striatal dopamine neurons in rats. Steranka LR. **Eur J Pharmacol** 1983 Dec 9;96(1–2):159–63

Effect of sodium on transport of weak electrolytes across rat jejunum in vitro. Jackson MJ. **J Physiol (Lond)** 1984 Mar;348:417–29

Amphetamine in rat brain after intraperitoneal injection of N-alkylated analogues. Nazarali AJ, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1983; 7(4–6):813–6

PHARMACODYNAMICS

Analgesic activities of amphetamine isomers. Tocco DR, et al. **Arch Int Pharmacodyn Ther** 1984 Mar;268(1):25–31

Amphetamine, conditioned stimulus, and nondebilitating preshock effects on activity and avoidance: further evidence for interactions between associative and nonassociative changes. Alleva E, et al. **Behav Neural Biol** 1983 Sep;39(1):78–104

Similar potency ratios of amphetamine optical isomers for inhibition of dopamine uptake by synaptosomes of corpus striatum, olfactory tubercle and prefrontal cortex of the rat. Matthews RT, et al. **Biochem Pharmacol** 1984 Sep 1; 33(17):2817–9

The effects of (+)-amphetamine, alpha-methyltyrosine, and alpha-methylphenylalanine on the concentrations of m-tyramine and alpha-methyl-m-tyramine in rat striatum. Dougan DF, et al. **Br J Pharmacol** 1983 Oct;80(2):309–14

Modulation of long-term potentiation by peripherally administered amphetamine and epinephrine. Gold PE, et al. **Brain Res** 1984 Jul 2;305(1):103–7

Role of nigral dopamine in amphetamine-induced locomotor activity. Jackson EA, et al. **Brain Res** 1983 Nov 14; 278(1–2):366–9

Amphetamine-induced analgesia does not involve brain opioids. Drago F, et al. **Eur J Pharmacol** 1984 Jun 1; 101(3–4):267–9

beta-Phenylethylamine-, d-amphetamine-and l-amphetamine-induced place preference conditioning in rats. Gilbert D, et al. **Eur J Pharmacol** 1983 Nov 25; 95(3–4):311–4

Effects of phencyclidine, amphetamine and related compounds on dopamine release from and uptake into striatal synaptosomes. Bowyer JF, et al. **J Pharmacol Exp Ther** 1984 Jun;229(3):671–80

Amphetamine inhibits the electrically evoked release of [3H]dopamine from slices of the rabbit caudate. Kamal LA, et al. **J Pharmacol Exp Ther** 1983 Nov;227(2):446–58

Learning and cross drug effects: thermic effects of pentobarbital and amphetamine. Hinson RE, et al. **Life Sci** 1984 Jun 25;34(26):2633–40

Antiepileptic effects of amphetamine may require GABA (benzodiazepine) activity. Myslobodsky MS, et al. **Life Sci** 1984 Apr 16;34(16):1591–6

Discrimination of the amphetamine cue. Effects of A, B and mixed type inhibitors of monoamine oxidase. Porsolt RD, et al. **Neuropharmacology** 1984 May;23(5):569–73

Critical issues in assessing the behavioral effects of amphetamine. Rebec GV, et al. **Neurosci Biobehav Rev** 1984 Spring;8(1):153–9

Effect of amphetamine on optokinetically evoked head and eye movements in the squirrel monkey. Isago H, et al. **ORL J Otorhinolaryngol Relat Spec** 1983;45(6):297–305

Automated analysis of stereotypic behavior induced by psychomotor stimulants. Brann MR, et al. **Pharmacol Biochem Behav** 1983 Jul;19(1):57–62

Attenuation of perseverative behavior after repeated amphetamine treatment: tolerance or attentional deficits? Bruto V, et al. **Pharmacol Biochem Behav** 1983 Sep; 19(3):497–504

The effects of LiCl preexposure on amphetamine-induced taste aversions: an assessment of blocking. Ford KA, et al. **Pharmacol Biochem Behav** 1984 Apr;20(4):643–5

Pimozide and amphetamine have opposing effects on the reward summation function. Gallistel CR, et al. **Pharmacol Biochem Behav** 1984 Jan;20(1):73–7

Nisoxetine and amphetamine share discriminative stimulus properties in mice. Snoddy AM, et al. **Pharmacol Biochem Behav** 1983 Aug;19(2):205–10

Comparative studies with beta-(Tyr9)melanotropin-(9–18) and amphetamine on open-field behavior and striatal dopamine uptake and release. Vécsei L, et al. **Pharmacol Res Commun** 1984 Jul;16(7):689–97

Influence of parenterally administered amphetamine on the paroxysmal EEG activity in epileptics. Rektor I. **Physiol Bohemoslov** 1984;33(1):43–8

The influence of amphetamine and nomifensine on the development of morphine tolerance in the test of hypermotility in mice and catalepsy in rats. Fidecka S, et al. **Pol J Pharmacol Pharm** 1983 Nov-Dec;35(6):503–10

Amphetamine anorexia: the effect of radio-frequency lesions and 6-OHDA injections into dopaminergic nigro-striatal bundle in cats. Konopacki J. **Pol J Pharmacol Pharm** 1983 Nov-Dec;35(6):497–502

Genetic differences in brain dopamine receptors and amphetamine response: possible model for hyperkinetic children. Helmeste DM, et al. **Prog Clin Biol Res** 1983; 135:401–3

Amphetamine challenge: effects in previously isolated rhesus monkeys and implications for animal models of schizophrenia. Kraemer GW, et al. **Prog Clin Biol Res** 1983; 131:199–218

Is there a relationship between social isolation, cognitive inflexibility, and behavioral stereotypy? An analysis of the effects of amphetamine in the marmoset. Ridley RM, et al. **Prog Clin Biol Res** 1983;131:101–35 (98 ref.)

Effects of subacute administration of amphetamine on food competition in primates. Wilson MC, et al. **Prog Clin Biol Res** 1983;131:293–305

Differential effects of benzodiazepines and amphetamine on exploratory behaviour in weanling rats: an animal model for anxiolytic activity. Salt JS, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(1):163–9

Amphetamine alters aggressive behavior in differentially housed mice: changes in regional brain serotonin receptors. Essman EJ. **Psychol Rep** 1983 Oct;53(2):662

The relationship between stereotypy and memory improvement produced by amphetamine. Carr GD, et al. **Psychopharmacology (Berlin)** 1984;82(3):203–9

Behavioural tolerance to amphetamine and other psychostimulants: the case for considering behavioural mechanisms. Demellweek C, et al. **Psychopharmacology (Berlin)** 1983;80(4):287–307 (160 ref.)

Reduction of 3H-spiroperidol binding in rat striatum and frontal cortex by chronic amphetamine: dose response, time course and role of sustained dopamine release. Nielsen EB, et al. **Psychopharmacology (Berlin)** 1983;81(1):81–5

Abolition of the expression but not the acquisition of latent inhibition by chronic amphetamine in rats. Weiner I, et al. **Psychopharmacology (Berlin)** 1984;83(2):194–9

The effects of amphetamine and scopolamine on adjunctive drinking and wheel-running in rats. Williams JL, et al. **Psychopharmacology (Berlin)** 1984;82(4):360–7

Effects of chronic naltrexone on amphetamine locomotor activity. Ng Cheong Ton MJ, et al. **Subst Alcohol Actions Misuse** 1983;4(4):331–6

[Effect of amphetamine on individual plasma phospholipids] Mikhova V, et al. **Eksp Med Morfol** 1984;23(1):13–7 (Eng. Abstr.) **(Bul)**

[Effect of the interaction of atropine, amphetamine and reserpine on the body temperature of the conscious rat] Milanés MV, et al. **Arch Farmacol Toxicol** 1983 Aug; 9(2):141–50 (Eng. Abstr.) **(Spa)**

POISONING

Amphetamine psychosis in Tokyo—its clinical features and social problems. Yukitake A. **Folia Psychiatr Neurol Jpn** 1983;37(2):115–20

Amphetamine psychosis due to khat leaves [letter] Kalix P. **Lancet** 1984 Jan 7;1(8367):46

TOXICITY

Further evidence that amphetamines produce long-lasting dopamine neurochemical deficits by destroying dopamine nerve fibers. Ricaurte GA, et al. **Brain Res** 1984 Jun 15; 303(2):359–64

Noradrenergic modulation of neuronal transmission in the offspring of amphetamine-treated rats. Ramírez OA, et al. **Can J Physiol Pharmacol** 1983 Jul;61(7):766–9

Hallucinatory behaviors in primates produced by around-the-clock amphetamine treatment for several days via implanted capsules. Nielsen EB, et al. **Prog Clin Biol Res** 1983;131:79–100

URINE

High-performance liquid chromatographic determination of organic substances by metal chelate derivatization. II. Microdetermination of methamphetamine and amphetamine. Moriyasu M, et al. **Chem Pharm Bull (Tokyo)** 1984 Feb;32(2):600–8

D-AMPHETAMINE see **DEXTROAMPHETAMINE**

L-AMPHETAMINE see **AMPHETAMINE**

AMPHETAMINES

Conjunctival and episcleral injection in drug abuse. Isaak BL, et al. **Ann Ophthalmol** 1983 Sep;15(9):806–7

Bromo-DMA: the Australasian hallucinogen? Buhrich N, et al. **Aust NZ J Psychiatry** 1983 Sep;17(3):275–9

The coercive power of drugs in sports. Murray TH. **Hastings Cent Rep** 1983 Aug;13(4):24–30

Lobar intracerebral hematomas [letter] Harrington H, et al. **Neurology (NY)** 1984 Jan;34(1):133–4

Intravenous drug users and the acquired immune deficiency syndrome. Ginzburg HM. **Public Health Rep** 1984 Mar-Apr;99(2):206–12

Candida albicans meningitis in a parenteral drug abuser. Kantor HL, et al. **South Med J** 1984 Mar;77(3):404–5

ADMINISTRATION & DOSAGE

Two routes of continuous amphetamine administration induce different behavioral and neurochemical effects in the rat. Eison MS, et al. **Neurosci Lett** 1983 Sep 9; 39(3):313–9

ADVERSE EFFECTS

[Severe pulmonary arterial hypertension in drug addicts: etiopathogenetic considerations] Pannarale G, et al. **Boll Soc Ital Cardiol** 1982;27(2):185–92 (Eng. Abstr.) **(Ita)**

ANALYSIS

The effects of (+)-amphetamine, alpha-methyltyrosine, and alpha-methylphenylalanine on the concentrations of m-tyramine and alpha-methyl-m-tyramine in rat striatum. Dougan DF, et al. **Br J Pharmacol** 1983 Oct;80(2):309–14

Simple determination of p-hydroxyamphetamine by high-performance liquid chromatography with electrochemical detection. Ishikawa K, et al. **J Chromatogr** 1984 Mar 9;306:394–7

High-performance liquid chromatographic resolution of enantiomers of 1-phenyl-2-aminopropanes (amphetamines) with four chiral reagents. Miller KJ, et al. **J Chromatogr** 1984 May 11;307(2):335–42

[Extraction of methamphetamine and amphetamine in blood and urine by Extrelut column] Une I, et al. **Nippon Hoigaku Zasshi** 1983 Feb;37(1):63–6 (Eng. Abstr.) **(Jpn)**

ANTAGONISTS & INHIBITORS

Antagonism of the effects of the hallucinogen DOM and the purported 5-HT agonist quipazine by 5-HT2 antagonists. Glennon RA, et al. **Eur J Pharmacol** 1983 Jul 22; 91(2–3):189–96

Blockade of the behavioral effects of lysergic acid diethylamide, 2,5-dimethoxy-4-methylamphetamine, quipazine and lisuride by 5-hydroxytryptamine antagonists. Mokler DJ, et al. **J Pharmacol Exp Ther** 1983 Dec; 227(3):557–62

CHEMICAL SYNTHESIS

Substituent branching in phenethylamine-type hallucinogens: a comparison of 1-[2,5-dimethoxy-4-(2-butyl)phenyl]-2-aminopropane and 1-[2,5-dimethoxy-4-(2-methylpropyl)phenyl]-2-aminopro Oberlender RA, et al. **J Med Chem** 1984 Jun;27(6):788–92

DIAGNOSTIC USE

Cerebral perfusion imaging with iodine 123-labeled amines. Holman BL, et al. **Arch Neurol** 1984 Oct;41(10):1060–3

Iodoamphetamine as a new tracer for local cerebral blood flow in the rat: comparison with isopropyliodoamphetamine. Rapin JR, et al. **J Cereb Blood Flow Metab** 1984 Jun;4(2):270–4

Radiohalogen-labeled imaging agents. 3. Compounds for measurement of brain blood flow by emission tomography. Sargent T 3d, et al. **J Med Chem** 1984 Aug;27(8):1071–7

A comparison of two cerebral perfusion tracers, N-isopropyl I-123 p-iodoamphetamine and I-123 HIPDM, in the human. Holman BL, et al. **J Nucl Med** 1984 Jan;25(1):25–30

Re: A comparison of two cerebral perfusion tracers, N-isopropyl I-123 p-iodoamphetamine and I-123 HIPDM in the human [letter] Kung HF, et al. **J Nucl Med** 1984 Aug;25(8):945

Synthesis of, and animal experiments with, N-isopropyl-p-123I-iodo-amphetamine (IMP) and 18F-3-deoxy-3-fluoro-D-glucose (3-FDG) as tracers in brain and heart diagnostic studies. Knust EJ, et al. **Nuklearmedizin** 1984 Feb;23(1):31–4

Assessment of regional cerebral blood flow (rCBF) in stroke using SPECT and N-isopropyl-(I-123)-p-iodoamphetamine (IMP). Hill TC, et al. **Stroke** 1984 Jan-Feb;15(1):40–5

[Comparison of 133xenon and 123I-isopropylamphetamine for measuring regional cerebral circulation] Hedde JP, et al. **ROFO** 1984 Aug;141(2):212–9 (Eng. Abstr.) **(Ger)**

METABOLISM

The relationship of the eye uptake of N-isopropyl-p-[123I]iodoamphetamine to melanin production. Holman BL, et al. **J Nucl Med** 1984 Mar; 25(3):315–9

Biodistribution and dosimetry of N-isopropyl-p-[123I]iodoamphetamine in the primate. Holman BL, et al. **J Nucl Med** 1983 Oct;24(10):922–31

Amphetamine in rat brain after intraperitoneal injection of N-alkylated analogues. Nazarali AJ, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1983; 7(4–6):813–6

Analyzing nonlinear scatchard plots. Light KE. **Science** 1984 Jan 6;223(4631):76–8

[Chemical and pharmacological aspects of cerebral cellular tracers] Rapin JR, et al. **Sem Hop Paris** 1983 Dec 22;

59(48):3361–5 (Eng. Abstr.) (Fre)
[Cerebral emission computer tomography (SPECT) with 123I-labeled amphetamines] Biersack HJ, et al. **Dtsch Med Wochenschr** 1984 Jul 27;109(30):1155–9 (Eng. Abstr.) (Ger)
[Drug interference of drugs affecting the central nervous system. 2: drug interactions of stimulants] Estler CJ. **Fortschr Med** 1983 Nov 3;101(41):1869–72 contd (Ger)
[Microanalysis of amphetamines II. Detection of metabolites in the body fluids of the amphetamine–treated monkeys] Takahashi K, et al. **Eisei Shikenjo Hokoku** 1983;(101):14–8 (Eng. Abstr.) (Jpn)

PHARMACODYNAMICS

Behavioral responses to amphetamines in identical twins. Crabbe JC, et al. **Acta Genet Med Gemellol (Roma)** 1983; 32(2):139–49
Protein and carbohydrate self–selection: modification of the effects of fenfluramine and amphetamine by age and feeding regimen. McArthur RA, et al. **Appetite** 1983 Jun; 4(2):113–24
Inhibition of aminoacyl–tRNA synthetases by p–chloroamphetamine and its role in protein synthesis inhibition. Nowak TS Jr, et al. **Arch Biochem Biophys** 1983 Sep;225(2):722–30
QSAR studies on psychotomimetic phenylalkylamines. Gupta SP, et al. **Arzneimittelforsch** 1983;33(8):1089–90
4–OH amphetamine enhances retention of an active avoidance response in rats and decreases regional brain concentrations of norepinephrine and dopamine. Martinez JL Jr, et al. **Behav Neurosci** 1983 Dec;97(6):962–9
Unique applications of fenfluramine or p–chloramphetamine in the early postnatal period influence the formation of conditioned avoidance responses in adult rats. Klingberg H, et al. **Biomed Biochim Acta** 1983;42(4):351–7
MDA: an agent that produces stimulus effects similar to those of 3,4–DMA, LSD and cocaine. Glennon RA, et al. **Eur J Pharmacol** 1984 Mar 23;99(2–3):249–50
Decreased accumulation of brain 5–hydroxytryptophan after decarboxylase inhibition in rats treated with fenfluramine, norfenfluramine or p–chloroamphetamine. Fuller RW, et al. **J Pharm Pharmacol** 1983 Sep;35(9):597–8
Fenfluramine, p–chloroamphetamine and p–fluoroamphetamine stimulation of pituitary–adrenocortical activity in rat: evidence for differences in site and mechanism of action. McElroy JF, et al. **J Pharmacol Exp Ther** 1984 Mar;228(3):593–9
MDA: a psychoactive agent with dual stimulus effects. Glennon RA, et al. **Life Sci** 1984 Jan 23;34(4):379–83
Selective lesions of the bulbospinal serotonergic pathways reduce the analgesia induced by p–chloroamphetamine in the hot–plate test. Berge OG, et al. **Neurosci Lett** 1984 Jan 27;44(1):25–9
P–chloroamphetamine and a side–chain fluorinated analog: effects on brain amine levels and behavior. Beck CH, et al. **Pharmacol Biochem Behav** 1984 Feb;20(2):215–20
Further investigation of the discriminative stimulus properties of MDA. Glennon RA, et al. **Pharmacol Biochem Behav** 1984 Apr;20(4):501–5
Further studies on BL–3912A: effects on avoidance behavior of rats with low baselines and on reaction thresholds to electric footshock. Tilson HA, et al. **Pharmacol Biochem Behav** 1977 Jun;6(6):627–30
The stimulus properties of para–methoxyamphetamine: a nonessential serotonergic component. Winter JC. **Pharmacol Biochem Behav** 1984 Feb;20(2):201–3
Some in vivo responses to a side chain monofluorinated amphetamine in the rat. Danielson TJ, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1983; 7(4–6):747–50
Retention deficits induced by acute p–chloroamphetamine following fear conditioning in the rat. Archer T, et al. **Psychopharmacology (Berlin)** 1984;82(1–2):14–9
Influence of amphetamine on brown adipose thermogenesis. Wellman PJ. **Res Commun Chem Pathol Pharmacol** 1983 Jul;41(1):173–6
[A new bioclinical approach in psychiatry. Stereotyped behavior, psychic and behavioral disorganization, and amphetamines] Marchais P, et al. **Ann Med Psychol (Paris)** 1983 Jul–Aug;141(7):758–70 (Fre)

THERAPEUTIC USE

[Short–term treatment of obesity: comparison between anorexigens and behavior modification] Hernández A, et al. **Rev Med Chil** 1984 Feb;112(2):132–8 (Eng. Abstr.) (Spa)

TOXICITY

Pharmacologic investigation of compounds related to 3,4–methylenedioxyamphetamine (MDA). Davis WM, et al. **Subst Alcohol Actions Misuse** 1984;5(2):105–10

URINE

[Detection and identification of a new metabolite of fenethylline] Goenechea S, et al. **Arch Kriminol** 1984 Mar–Apr;173(3–4):7–102 (Eng. Abstr.) (Ger)

AMPHETAMINIL see under **AMPHETAMINES**

AMPHIBIA

Pseudoneoplasms in ectothermic animals. Harshbarger JC. **Natl Cancer Inst Monogr** 1984 May;65:251–73 (43 ref.)

ANATOMY & HISTOLOGY

Immunohistochemical study of the adenohypophysis of Typhlonectes compressicaudus (Amphibia, Gymnophiona). Doerr–Schott J, et al. **Cell Tissue Res** 1984;235(1):211–4
The origin of centrifugal inner ear fibers of gymnophions (amphibia). A horseradish peroxidase study. Fritzsch B, et al. **Neurosci Lett** 1984 May 4;46(2):131–6
[Morphological data on the esophagus and stomach of amphibia] Bani G. **Arch Ital Anat Embriol** 1983 Jan–Mar; 88(1):61–80 (Eng. Abstr.) (Ita)

EMBRYOLOGY

Fish and amphibian embryos—a model system for evaluating teratogenicity. Birge WJ, et al. **Fundam Appl Toxicol** 1983 Jul–Aug;3(4):237–42
Cytoplasmic and cortical factors participating in cleavage furrow formation in eggs of three amphibian genera; Ambystoma, Xenopus and Cynops. Sawai T. **J Embryol Exp Morphol** 1983 Oct;77:243–54
A model of cell sorting. Sulsky D, et al. **J Theor Biol** 1984 Feb 7;106(3):275–301
A fast and reliable celloidin–paraffin embedding technique for yolked amphibian embryos. Manes ME, et al. **Mikroskopie** 1983 Dec;40(11–12):341–3
Automation in animal development. A new theory derived from the concept of cell sociology. Chandebois R, et al. **Monogr Dev Biol** 1983;16:1–202 (399 ref.)
[Changes in the cellular localization of gamma–crystallins in the lens differentiation process in amphibia] Mikhailov AT, et al. **Ontogenez** 1983 Jul–Aug;14(4):374–81 (Eng. Abstr.) (Rus)
[Water–soluble proteins in early amphibian embryos. III. Immunoelectrophoretic analysis of the antigenic changes in the ectoderm of the early gastrula and neural plate during development] Zakareishvili VZ, et al. **Ontogenez** 1983 Jul–Aug;14(4):367–73 (Eng. Abstr.) (Rus)

GENETICS

The organization of ribosomal genes in vertebrates. Cortadas J, et al. **EMBO J** 1982;1(9):1075–80
Towards an understanding of the molecular mechanisms regulating gene expression during diploidization in phylogenetically polyploid lower vertebrates. Leipoldt M. **Hum Genet** 1983;65(1):11–8 (110 ref.)
Genetic mapping in amphibians. Wright DA, et al. **Isozymes Curr Top Biol Med Res** 1983;10:287–311 (61 ref.)

GROWTH & DEVELOPMENT

C value and cell volume: their significance in the evolution and development of amphibians. Horner HA, et al. **J Cell Sci** 1983 Sep;63:135–46

IMMUNOLOGY

Cell mediated immune response of Bufo arenarum and Leptodactylus ocellatus (Amphibia, Anura) to mycobacterial antigens. Fliess EL, et al. **Comp Biochem Physiol [A]** 1984;77(1):157–9

METABOLISM

Amphibian brain gangliosides: pattern analysis by two–dimensional thin–layer chromatography. Irwin LN, et al. **Comp Biochem Physiol [B]** 1983;76(3):649–51
Evolutionary trend in the metabolic oxidation of chlorpromazine. Dixon PA. **Comp Biochem Physiol [C]** 1984;77(1):135–7
Active peptides in the skins of one hundred amphibian species from Australia and Papua New Guinea. Erspamer V, et al. **Comp Biochem Physiol [C]** 1984;77(1):99–108
[Membrane phosphodiesterase of cyclic nucleotides in the chemosensory structures of fishes and amphibians] Ostretsova IB. **Zh Evol Biokhim Fiziol** 1984 May–Jun; 20(3):251–6 (Eng. Abstr.) (Rus)

MICROBIOLOGY

Arbovirus studies in the Guajira region of Venezuela: activities of eastern equine encephalitis and Venezuelan equine encephalitis viruses during an interepizootic period. Walder R, et al. **Am J Trop Med Hyg** 1984 Jul; 33(4):699–707
Leptospirosis in poikilothermic vertebrates. A review. Minette HP. **Int J Zoonoses** 1983 Dec;10(2):111–21 (74 ref.)
A Basidiobolus sp. and its association with reptiles and amphibians in southern Florida. Okafor JI, et al. **Sabouraudia** 1984;22(1):47–51

PARASITOLOGY

Parasites of the relict fauna of Ceylon. VIII. Helminths from Ichthyophis spp. (Amphibia: Gymnophiona). Crusz H, et al. **Ann Parasitol Hum Comp** 1982;57(4):317–27

PHYSIOLOGY

Cardiovascular shunts and oxygen transport in lower vertebrates. Wood SC. **Am J Physiol** 1984 Jul;247(1 Pt 2):R3–14
Phagocytosis in the amphibian lung. Welsch U. **Anat Anz** 1983;154(4):319–27
Effects of frog–skin angiotensin II in amphibians. Proto MC, et al. **Hypertension** 1983 Nov–Dec;5(6 Pt 3):V101–4
Is caerulein amphibian CCK? Dimaline R. **Peptides (Fayetteville)** 1983 Jul–Aug;4(4):457–62
Mitogenic growth factors and nerve dependence of limb regeneration. Brockes JP. **Science** 1984 Sep 21; 225(4668):1280–7
[Morphology and physiology of organs of aquatic respiration in vertebrates: the gill] Laurent P. **J Physiol (Paris)** 1984; 79(2):98–112 (Eng. Abstr.) (Fre)
[Primary sleep in vertebrates and its role in the genesis of hypobiosis in poikilotherms and hibernation in mammals] Karmanova IG. **Zh Evol Biokhim Fiziol** 1984 Jan–Feb; 20(1):49–53 (Eng. Abstr.) (Rus)

AMPHIBIAN VENOMS

Interaction of analogs of histrionicotoxin with the acetylcholine receptor ionic channel complex and membrane excitability. Maleque MA, et al. **J Pharmacol Exp Ther** 1984 Apr;229(1):72–9

METABOLISM

Interaction of analogs of histrionicotoxin with the acetylcholine receptor ionic channel complex and membrane excitability. Maleque MA, et al. **J Pharmacol Exp Ther** 1984 Apr;229(1):72–9
A study of the novel synthetic analog (+/–)–depentylperhydrohistrionicotoxin on the nicotinic receptor–ion channel complex. Maleque MA, et al. **J Pharmacol Exp Ther** 1984 Sep;230(3):619–26

PHARMACODYNAMICS

Effect of histrionicotoxin on ion channels in synaptic and conducting membranes of electroplax of Electrophorus electricus. Bartels–Bernal E, et al. **Cell Mol Neurobiol** 1983 Sep;3(3):203–12
The ionic channel of the nicotinic acetylcholine receptor is unable to differentiate between the optical antipodes of perhydrohistrionicotoxin. Spivak CE, et al. **FEBS Lett** 1983 Nov 14;163(2):189–93
Interactions of gephyrotoxin with the acetylcholine receptor–ionic channel complex. II. Enhancement of desensitization. Souccar C, et al. **Mol Pharmacol** 1984 May; 25(3):395–400
Interactions of gephyrotoxin with the acetylcholine receptor–ionic channel complex. I. Blockade of the ionic channel. Souccar C, et al. **Mol Pharmacol** 1984 May; 25(3):384–94
Stimulatory effects of Gila monster venom on rat pancreatic acini. Dehaye JP, et al. **Peptides (Fayetteville)** 1984 Mar–Apr;5(2):333–7
Interaction of Gila monster venom with secretin receptors in rat pancreatic membranes. Gillet L, et al. **Peptides (Fayetteville)** 1984 Mar–Apr;5(2):407–9

TOXICITY

Voltage–dependent block by histrionicotoxin of the acetylcholine–induced current in an insect motoneurone cell body. Sattelle DB, et al. **Neurosci Lett** 1983 Dec 23; 43(1):37–41

AMPHISTOMIDAE see **PARAMPHISTOMATIDAE**

AMPHIUMA see **URODELA**

AMPHOLYTE MIXTURES see under **BUFFERS**

AMPHOTERICIN B

Dissociation kinetics and equilibrium binding properties of polyene antibiotic complexes with phosphatidylcholine/sterol vesicles. Witzke NM, et al. **Biochemistry** 1984 Apr 10;23(8):1668–74
[Electric potential at the entrance of the amphotericin channel. Channel specificity] Gadzhi–Zade KhA, et al. **Biofizika** 1983 Sep–Oct;28(5):807–11 (Eng. Abstr.) (Rus)

ADMINISTRATION & DOSAGE

Errors in commonly used references [letter] Sohn CA. **Am J Hosp Pharm** 1983 Oct;40(10):1622
Concomitant systemic and local amphotericin B for fungal cystitis [letter] Lapierre G, et al. **Clin Pharm** 1983 Sep–Oct; 2(5):396, 399
Candida peritonitis–inefficacy of amphotericin–B and 5–fluorocytosine treatment. Pomeranz A, et al. **Int J Pediatr Nephrol** 1983 Jun;4(2):127–8
Candida parapsilosis infection of a total hip–joint replacement: successful reimplantation after treatment with amphotericin B and 5–fluorocytosine. A case report. Younkin S, et al. **J Bone Joint Surg [Am]** 1984 Jan; 66(1):142–3
Effects of amphotericin B and cholera toxin on intestinal transport in the rat. An in vivo model for the effects of dihydroxy bile acids and fatty acids on intestinal transport. Ammon HV, et al. **J Lab Clin Med** 1983 Oct;102(4):509–21
Sporotrichosis arthritis. A case presentation and review of the literature. Khan MI, et al. **S Afr Med J** 1983 Dec 31;

64(28):1099–101

Invasive pulmonary aspergillosis in a non–immunosuppressed patient: successful management with systemic amphotericin and flucytosine and inhaled amphotericin. Rodenhuis S, et al. **Thorax** 1984 Jan;39(1):78–9

[Drug combinations in the treatment of invasive aspergillosis] Esposito R, et al. **G Ital Chemioter** 1984 Jan–Aug; 31(1–2):169–72 (Eng. Abstr.) **(Ita)**

[Dynamics of the morphological changes in muscle tissue after intramuscular administration of polyene antibiotics] Lisochkin BG. **Tr Inst Pastera** 1982;58:120–2 **(Rus)**

[Use of cyclophosphane and amphotericin B on patients with disseminated forms of chondrosarcoma] Lantsman IuV, et al. **Vopr Onkol** 1984;30(2):31–5 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Renal magnesium wasting associated with amphotericin B therapy. Barton CH, et al. **Am J Med** 1984 Sep;77(3):471–4

Liposomal amphotericin B is toxic to fungal cells but not to mammalian cells. Mehta R, et al. **Biochim Biophys Acta** 1984 Mar 14;770(2):230–4

Pulmonary complications in patients receiving granulocyte transfusions and amphotericin B. Bow EJ, et al. **Can Med Assoc J** 1984 Mar 1;130(5):593–7

Parkinsonism associated with intraventricular amphotericin B. Fisher JF, et al. **J Antimicrob Chemother** 1983 Jul; 12(1):97–9

Disseminated fungal infections in very low–birth–weight infants: therapeutic toxicity. Baley JE, et al. **Pediatrics** 1984 Feb;73(2):153–7

[Danger of the intraperitoneal administration of amphotericin B during continuous ambulatory peritoneal dialysis (letter)] Benevent D, et al. **Presse Med** 1984 Sep 1–8;13(30):1844 **(Fre)**

ANALOGS & DERIVATIVES

Experimental murine aspergillosis. Comparison of amphotericin B and a new polyene antifungal drug, SCH 28191. Graybill JR, et al. **Am Rev Respir Dis** 1984 Feb; 129(2):292–5

Ornithyl amphotericin methyl ester treatment of experimental candidiasis in rats. Galgiani JN, et al. **Antimicrob Agents Chemother** 1984 Jul;26(1):108–9

High–pressure liquid chromatographic method for determination of Sch 28191 in biological fluids. Kim H, et al. **Antimicrob Agents Chemother** 1984 Jan;25(1):45–8

Efficacy of antifungal agents in the cornea. IV. Amphotericin B methyl ester. O'Day DM, et al. **Invest Ophthalmol Vis Sci** 1984 Jul;25(7):851–4

Quantitation of amphotericins by reverse–phase high–performance liquid chromatography. Margosis M, et al. **J Pharm Sci** 1984 Jun;73(6):835–8

[Effect of amphoglucamine on the functional and metabolic characteristics of macrophages] Araviĭskiĭ RA, et al. **Tr Inst Pastera** 1982;58:111–3 **(Rus)**

[Dynamics of the morphological changes in muscle tissue after intramuscular administration of polyene antibiotics] Lisochkin BG. **Tr Inst Pastera** 1982;58:120–2 **(Rus)**

ANALYSIS

A quick and simple bioassay system for effectors of cell metabolism using biospecifically immobilized cells: assay of thiamine and amphotericin using yeast cells. Mattiasson B, et al. **Acta Chem Scand [B]** 1983;37(7):649–51

Quantitation of amphotericins by reverse–phase high–performance liquid chromatography. Margosis M, et al. **J Pharm Sci** 1984 Jun;73(6):835–8

[Spectrophotometric analysis of amphotericin B in technological objects] Bershteĭn IIa, et al. **Antibiotiki** 1984 Jan;29(1):19–24 (Eng. Abstr.) **(Rus)**

BLOOD

Measurement of amphotericin B in serum or plasma by high–performance liquid chromatography. Golas CL, et al. **J Chromatogr** 1983 Dec 9;278(2):387–95

Interaction of plasma proteins and lipoproteins with amphotericin B. Brajtburg J, et al. **J Infect Dis** 1984 Jun; 149(6):986–97

METABOLISM

Antioxidant–stabilized amphotericin B. Beggs WH. **Diagn Microbiol Infect Dis** 1983 Dec;1(4):339–41 (10 ref.)

[Permeability of bilayer lipid membranes to amphotericin B] Alekberli EK, et al. **Biofizika** 1984 Mar–Apr;29(2):322–3 (Eng. Abstr.) **(Rus)**

[The electric potential at the entrance of the amphotericin channel] Gadzhi–zade KhA. **Biofizika** 1983 Nov–Dec; 28(6):999–1001 (Eng. Abstr.) **(Rus)**

[Nature of the dependence of ion channel blockade on the membrane potential] Gadzhi–Zade KhA, et al. **Dokl Akad Nauk SSSR** 1984;275(5):1204–7 **(Rus)**

PHARMACODYNAMICS

The use of amphotericin B to detect inhibitors of cellular cholesterol biosynthesis. Krieger M. **Anal Biochem** 1983 Dec;135(2):383–91

Growth inhibition of Leishmania tropica amastigotes in vitro by rifampicin combined with amphotericin B. El–On J, et al. **Ann Trop Med Parasitol** 1984 Apr;78(2):93–8

Comparison of ketoconazole and amphotericin B in interference with thymidine uptake by and blastogenesis of lymphocytes stimulated with Histoplasma capsulatum antigens. Alford RH, et al. **Antimicrob Agents Chemother** 1983 Oct;24(4):575–8

In vitro antifungal activities of amphotericin B and liposome–encapsulated amphotericin B. Hopfer RL, et al. **Antimicrob Agents Chemother** 1984 Mar;25(3):387–9

In vitro activities of amphotericin B in combination with four antifungal agents and rifampin against Aspergillus spp. Hughes CE, et al. **Antimicrob Agents Chemother** 1984 May; 25(5):560–2

Effect of ketoconazole and amphotericin B on encapsulated and non–encapsulated strains of Cryptococcus neoformans. Smith D, et al. **Antimicrob Agents Chemother** 1983 Dec; 24(6):851–5

Effects of polyene cholesterol–binding antibiotics on the binding and removal of cholesterol from bovine adrenocortical cytochrome P–450SCC: difference in properties of the membrane–bound and membrane–free cytochrome. Hsu DK, et al. **Biochem Int** 1983 Jul; 7(1):123–9

Nystatin– and amphotericin B–induced structural alterations of the erythrocyte membrane: importance of reduced ionic strength. Meyer HW, et al. **Exp Pathol** 1983;24(2–3):163–6

Effects of amphotericin B on ion and fluid movement across dog tracheal epithelium. Nathanson I, et al. **J Appl Physiol** 1983 Oct;55(4):1257–61

In vitro susceptibilities of sucrose–negative Candida tropicalis, Candida lusitaniae, and Candida norvegensis to amphotericin B, 5–fluorocytosine, miconazole, and ketoconazole. Ahearn DG, et al. **J Clin Microbiol** 1984 Mar;19(3):412–6

Fatal septicemia due to amphotericin B–resistant Candida lusitaniae. Guinet R, et al. **J Clin Microbiol** 1983 Aug; 18(2):443–4

Susceptibility testing of filamentous fungi to amphotericin B by a rapid radiometric method. Merz WG, et al. **J Clin Microbiol** 1984 Jan;19(1):54–6

Effect of aminophylline on renal vasoconstriction produced by amphotericin B in the rat. Heidemann HT, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1983 Sep; 324(2):148–52

The effect of Amphotericin–B, 5–fluorocytosine and Nystatin on Histoplasma farciminosum in vitro. Gabal MA. **Zentralbl Veterinarmed [B]** 1984 Feb;31(1):46–50

[Effect of amphotericin B on erythrocyte viability. Perspectives on its use in the prevention of Chagas' disease induced by blood transfusion] Barretto OC, et al. **Rev Paul Med** 1983 Nov–Dec;101(6):212–6 (Eng. Abstr.) **(Por)**

[Combined action of amphotericin B and methacyclin on Candida albicans] Araviĭskiĭ RA, et al. **Antibiotiki** 1984 Mar;29(3):198–201 (Eng. Abstr.) **(Rus)**

[Morphofunctional features of cells of Candida albicans upon interaction with a polyene antibiotic] Araviĭskiĭ RA, et al. **Antibiotiki** 1983 Oct;28(10):747–51 (Eng. Abstr.) **(Rus)**

[Clinical pharmacology of antifungal agents in deep mycoses] Azanza Perea JR, et al. **Rev Med Univ Navarra** 1983 Sep; 27(3):19–24 **(Spa)**

THERAPEUTIC USE

Development of Aspergillus sinusitis in a patient receiving amphotericin B. Treatment with granulocyte transfusions. Swerdlow B, et al. **Am J Med** 1984 Jan;76(1):162–6

Nonsurgical cure of pulmonary mucormycosis. Berns JS, et al. **Am J Med Sci** 1984 Jan–Feb;287(1):42–4

Successful treatment of postoperative Candida endophthalmitis in an eye with an intraocular lens implant. Gilbert CM, et al. **Am J Ophthalmol** 1984 May;97(5):593–5

Experimental murine aspergillosis. Comparison of amphotericin B and a new polyene antifungal drug, SCH 28191. Graybill JR, et al. **Am Rev Respir Dis** 1984 Feb; 129(2):292–5

Prophylaxis of Candida albicans infection in neutropenic mice with liposome–encapsulated amphotericin B. Lopez–Berestein G, et al. **Antimicrob Agents Chemother** 1984 Mar;25(3):366–7

Treatment of experimental cutaneous leishmaniasis with liposome–intercalated amphotericin B. Panosian CB, et al. **Antimicrob Agents Chemother** 1984 May;25(5):655–6

Successful treatment of exogenous aspergillus endophthalmitis: a case report. Ho PC, et al. **Br J Ophthalmol** 1984 Jun;68(6):412–5

Potentiation by amphotericin B of the cytotoxicity of anticancer agents against MOPC–315 plasmacytoma and Lewis lung carcinoma. Valeriote F, et al. **Cancer Chemother Pharmacol** 1984;13(2):126–30

Effects of amphotericin B with combination chemotherapy on response rates and on survival in non–small cell carcinoma of the lung. Presant CA, et al. **Cancer Treat Rep** 1984 Apr;68(4):651–4

Amphotericin B in the treatment of coccidioidomycosis. Drutz DJ. **Drugs** 1983 Oct;26(4):337–46

Chronic mucocutaneous candidiasis treated with amphotericin B. Case report. Waweru HW, et al. **East Afr Med J** 1983 Aug;60(8):588–91

Treatment of canine blastomycosis with amphotericin B and ketoconazole. Legendre AM, et al. **J Am Vet Med Assoc** 1984 May 15;184(10):1249–54

Oral ketoconazole and amphotericin B for the prevention of yeast colonization in patients with acute leukaemia. Donnelly JP, et al. **J Hosp Infect** 1984 Mar;5(1):83–91

Treatment of murine pulmonary cryptococcosis with ketoconazole and amphotericin B. Iwen PC, et al. **J Infect Dis** 1984 Apr;149(4):650

Liposome–encapsulated amphotericin B for treatment of disseminated candidiasis in neutropenic mice. Lopez–Berestein G, et al. **J Infect Dis** 1984 Aug; 150(2):278–83

Amphotericin B potentiation of the cytotoxicity of anticancer agents against both normal hematopoietic and leukemia cells in mice. Valeriote F, et al. **JNCI** 1984 Aug; 73(2):475–82

Twenty–five years' experience treating cerebro–rhino–orbital mucormycosis. Abedi E, et al. **Laryngoscope** 1984 Aug; 94(8):1060–2

Drug therapy of systemic fungal infections, Part I. Gross M. **NC Med J** 1984 Aug;45(8):515–7

Systemic candidiasis in very low–birth–weight infants (less than 1,500 grams). Johnson DE, et al. **Pediatrics** 1984 Feb; 73(2):138–43

Combination antifungal chemotherapy for experimental disseminated candidiasis: lack of correlation between in vitro and in vivo observations with amphotericin B and rifampin. Ernst JD, et al. **Rev Infect Dis** 1983 Jul–Aug;5 Suppl 3:S626–30

Treatment of experimental murine candidiasis with liposome–associated amphotericin B. Ahrens J, et al. **Sabouraudia** 1984;22(2):163–6

The effect of ketoconazole and a combination of rifampicin/amphotericin B on cutaneous leishmaniasis in laboratory mice. Weinrauch L, et al. **Trans R Soc Trop Med Hyg** 1984;78(3):389–90

Cure of isolated pulmonary mucormycosis: case report. Griffin GK, et al. **Va Med** 1983 Sep;110(9):550–2

[Antibiotic prophylaxis and therapy of febrile aplastic children with acute leukemia] Prindull G, et al. **Klin Padiatr** 1984 May–Jun;196(3):162–5 (Eng. Abstr.) **(Ger)**

TOXICITY

Amphotericin B fever in rabbits. Arroyo JC. **Life Sci** 1984 Mar 26;34(13):1249–52

Secondary mutation resistant to 7–ketocholesterol rescues a sterol metabolic defect in amphotericin B–resistant Chinese hamster cell line. Kuwano M, et al. **Somatic Cell Genet** 1983 Nov;9(6):659–72

AMPICILLIN

ADMINISTRATION & DOSAGE

Continuous intravenous infusion of ampicillin and gentamicin during parenteral nutrition to 36 newborn infants using a dosage schedule. Colding H, et al. **Acta Paediatr Scand** 1984 Mar;73(2):203–9

Cefamandole versus ampicillin/cloxacillin [letter] Carter MJ. **Ann Thorac Surg** 1984 Feb;37(2):180–1

The effect of ampicillin and colistin on post–Caesarean section endometritis with identification of possible risk factors. Birkenfeld A, et al. **Aust NZ J Obstet Gynaecol** 1983 Nov;23(4):204–7

Influence of administration routes of antibiotics on the cecal flora in rats. I. Murakami T, et al. **Chem Pharm Bull (Tokyo)** 1984 Apr;32(4):1551–7

Intraincisional antibiotics in laparotomy wounds. Moesgaard F, et al. **Dis Colon Rectum** 1984 Mar;27(3):172–5

Comparison between the combination of azlocillin–gentamicin and ampicillin–gentamicin in the treatment of a nursery population. Fogel D, et al. **Isr J Med Sci** 1983 Nov;19(11):1009–15

Administration of antibiotics in combination. The antibacterial activity of blood serum and urine after a simultaneous administration of aminoglycosides and ampicillin. Janovská D, et al. **J Hyg Epidemiol Microbiol Immunol** 1984;28(1):33–9

Erythromycin compared with a combination of ampicillin and amoxycillin as initial therapy for adults with pneumonia including Legionnaires' disease. Macfarlane JT, et al. **J Infect** 1983 Sep;7(2):111–7

The postantibiotic effect in the treatment of experimental meningitis caused by Streptococcus pneumoniae in rabbits. Täuber MG, et al. **J Infect Dis** 1984 Apr;149(4):575–83

Prospective comparative trial of moxalactam versus ampicillin or chloramphenicol for treatment of Haemophilus influenzae type b meningitis in children. Kaplan SL, et al. **J Pediatr** 1984 Mar;104(3):447–53

Antibiotic management of complicated appendicitis. King DR, et al. **J Pediatr Surg** 1983 Dec;18(6):945–50

Use of intraperitoneal solutions for preventing pelvic adhesions in the rat. Cohen BM, et al. **J Reprod Med** 1983 Oct;28(10):649–53

Disposition of ampicillin administered intravenously and intratracheally to young calves. Long PE, et al. **J Vet Pharmacol Ther** 1983 Dec;6(4):273–9

Intraoperative antibiotic irrigation as prophylaxis in abdominal hysterectomy: a preliminary report. Nelson KJ, et al. **South Med J** 1984 Jun;77(6):700–2

[Materno–fetal infections in the newborn. A plea for the ampicillin–kanamycin combination] Borderon JC, et al. **Arch Fr Pediatr** 1983 Dec;40(10):755–6 **(Fre)**

[Primacy of medical treatment of cerebral abscesses (19 cases)] Petit H, et al. **Rev Neurol (Paris)** 1983; 139(10):575–81 (Eng. Abstr.) **(Fre)**

[Therapeutic evaluation of an ampicillin suppository (KS–R1) used against acute suppurative otitis media in children: a comparison with an oral preparation] Baba S, et al. **Jpn J Antibiot** 1983 Jul;36(7):1973–94 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of an ampicillin suppository (KS–R1) infections in children] Furukawa S, et al. **Jpn J Antibiot** 1983 Jul;36(7):1877–81 (Eng. Abstr.) **(Jpn)**

[Clinical studies of an ampicillin suppository (KS–R1) in children] Hoshina H, et al. **Jpn J Antibiot** 1983 Jul; 36(7):1827–33 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of an ampicillin suppository (KS–R1) in respiratory tract infections in children] Iwai N, et al. **Jpn J Antibiot** 1983 Jul;36(7):1851–62 (Eng. Abstr.) **(Jpn)**

[Experimental and clinical studies of an ampicillin suppository (KS–R1) in pediatrics] Jozaki K, et al. **Jpn J Antibiot** 1983 Jul;36(7):1806–13 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of an ampicillin suppository (KS–R1) in pediatrics] Kida K, et al. **Jpn J Antibiot** 1983 Jul; 36(7):1882–7 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of an ampicillin suppository (KS–R1)] Kobayashi Y, et al. **Jpn J Antibiot** 1983 Jul;36(7):1871–6 (Eng. Abstr.) **(Jpn)**

[Therapeutic effects of an ampicillin suppository KS–R1) on infections in children] Kurashige T, et al. **Jpn J Antibiot** 1983 Jul;36(7):1952–8 (Eng. Abstr.) **(Jpn)**

[Pharmacological evaluation of an ampicillin suppository (KS–R1) in acute pneumonia in children—a comparison with a parenteral preparation of ampicillin] Motohiro T, et al. **Jpn J Antibiot** 1983 Jul;36(7):1785–805 (Eng. Abstr.) **(Jpn)**

[Experimental study of an ampicillin suppository (KS–R1) in adults and children] Motohiro T, et al. **Jpn J Antibiot** 1983 Jul;36(7):1713–68 (Eng. Abstr.) **(Jpn)**

[Clinical effects of an ampicillin suppository (KS–R1) in urinary tract infection of children] Motohiro T, et al. **Jpn J Antibiot** 1983 Jul;36(7):1959–72 (Eng. Abstr.) **(Jpn)**

[Experimental and clinical evaluation of an ampicillin suppository (KS–R1) in children] Motohiro T, et al. **Jpn J Antibiot** 1983 Jul;36(7):1900–51 (Eng. Abstr.) **(Jpn)**

[Experimental and clinical studies of an ampicillin suppository (KS–R1) in pediatrics] Nakazawa S, et al. **Jpn J Antibiot** 1983 Jul;36(7):1814–20 (Eng. Abstr.) **(Jpn)**

[Effects of rectal administration of an ampicillin suppository (KS–R1) on cecal microflora and cecal weight in mice] Nishimura K, et al. **Jpn J Antibiot** 1983 Jul;36(7):1699–705 (Eng. Abstr.) **(Jpn)**

[Experimental and clinical evaluation of an ampicillin suppository (KS–R1)] Nishimura T, et al. **Jpn J Antibiot** 1983 Jul;36(7):1863–70 (Eng. Abstr.) **(Jpn)**

[Pharmacological evaluation of an ampicillin suppository (KS–R1) in acute respiratory tract infection in children: a comparison with an oral form of ampicillin] Nishimura T, et al. **Jpn J Antibiot** 1983 Jul;36(7):1769–84 (Eng. Abstr.) **(Jpn)**

[Therapeutic efficacy of KS–R1, an ampicillin suppository, against experimental infections in mice] Obana Y, et al. **Jpn J Antibiot** 1983 Jul;36(7):1706–12 (Eng. Abstr.) **(Jpn)**

[Clinical experience with an ampicillin suppository (KS–R1) in pediatrics] Sakaguchi Z, et al. **Jpn J Antibiot** 1983 Jul; 36(7):1888–94 (Eng. Abstr.) **(Jpn)**

[Clinical experience with an ampicillin suppository (KS–R1) in bacterial infections in children] Sekiguchi T, et al. **Jpn J Antibiot** 1983 Jul;36(7):1895–9 (Eng. Abstr.) **(Jpn)**

[Clinical studies of an ampicillin suppository (KS–R1) in pediatrics] Shinozaki T, et al. **Jpn J Antibiot** 1983 Jul; 36(7):1821–6 (Eng. Abstr.) **(Jpn)**

[Experimental and clinical studies of an ampicillin suppository (KS–R1) in pediatrics] Toyonaga Y, et al. **Jpn J Antibiot** 1983 Jul;36(7):1834–45 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of an ampicillin suppository (KS–R1) in infections in children] Yafuso M, et al. **Jpn J Antibiot** 1983 Jul;36(7):1846–50 (Eng. Abstr.) **(Jpn)**

[Pharmacokinetics of sulfalene and sulfamethoxine after combined administration with benzylpenicillin and ampicillin] Bobrov VI, et al. **Antibiotiki** 1984 Apr; 29(4):277–82 (Eng. Abstr.) **(Rus)**

[Endolymphatic administration of antibiotics in surgical diseases of the abdominal organs] Ermolov AS, et al. **Khirurgiia (Mosk)** 1984 Apr;(4):39–43 (Eng. Abstr.) **(Rus)**

[Use of ampiox in combination with penicillin preparations in the therapy of patients with infectious forms of syphilis] Vasil'ev TV, et al. **Vestn Dermatol Venerol** 1984 Mar; (3):18–21 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Ampicillin and hematologic effects [letter] Hughes GS Jr. **Ann Intern Med** 1983 Oct;99(4):573

Fixed drug eruption to bacampicillin (ampicillin). Chan HL. **Arch Dermatol** 1984 Apr;120(4):542

Delayed hypersensitivity in ampicillin–induced toxic epidermal necrolysis. Tagami H, et al. **Arch Dermatol** 1983 Nov;119(11):910–3

Rashes associated with intravenous administration of ampicillin. Scioli C, et al. **Boll Ist Sieroter Milan** 1983 Jul; 62(3):287–91

Treatment of patients with glandular fever with ampicillin or amoxycillin [letter] Gibbs P. **Br Dent J** 1984 Feb 11; 156(3):78

The baboon syndrome: systemically–induced allergic contact dermatitis. Andersen KE, et al. **Contact Dermatitis** 1984 Feb;10(2):97–100

Acute pleural effusion induced by ampicillin. Hershkowitz M. **J Med Soc NJ** 1983 Nov;80(11):943–5

The combined effect of viruses and drugs in drug–induced diseases. Levy M. **Med Hypotheses** 1984 Jul;14(3):293–6

Ampicillin allergy presenting as secondary syphilis. Giunta JL, et al. **Oral Surg** 1984 Feb;57(2):152–4

[Ampicillin associated acute interstitial nephritis with renal insufficiency—case report] Barnick P, et al. **Z Gesamte Inn Med** 1983 Sep 15;38(18):502–5 (Eng. Abstr.) **(Ger)**

[Kaposi's sarcoma appearing during ampicillin treatment] Brenner S, et al. **Harefuah** 1984 Apr 1;106(7):313–4 (Eng. Abstr.) **(Heb)**

ANALOGS & DERIVATIVES

Treatment of urinary tract infections in gynecological patients. A randomized study comparing pivampicillin–pivmecillinam with trimethoprim–sulphamethoxazole. Iosif CS, et al. **Acta Obstet Gynecol Scand** 1983;62(5):515–8

Antibiotic treatment of Haemophilus influenzae and Haemophilus parainfluenzae infections in patients with cystic fibrosis. Pressler T, et al. **Acta Paediatr Scand** 1984 Jul;73(4):541–7

In vitro activity of apalcillin compared with those of piperacillin and carbenicillin against 6,797 bacterial isolates from four separate medical centers. Barry AL, et al. **Antimicrob Agents Chemother** 1984 May;25(5):669–71

Comparative pharmacokinetics of apalcillin and piperacillin. Lode H, et al. **Antimicrob Agents Chemother** 1984 Jan; 25(1):105–8

Comparative in vitro activities of cefpiramide and apalcillin against anaerobic bacteria. Wexler H, et al. **Antimicrob Agents Chemother** 1984 Feb;25(2):162–4

Failure of pivampicillin in treating chlamydial infections [letter] Hagdrup H, et al. **Br J Vener Dis** 1984 Jun;60(3):204

Studies on prodrugs. I. Preparation and characterization of acyloxyallylester of ampicillin. Sakamoto F, et al. **Chem Pharm Bull (Tokyo)** 1983 Aug;31(8):2698–707

Rectal bioavailability of bacampicillin hydrochloride in man as determined by reversed–phase liquid chromatography. Sjövall J, et al. **Chemotherapy** 1984;30(3):137–47

Clinical trial of bacampicillin in acute bacterial infections. Ogunyemi O. **Clin Ther** 1983;5(5):472–4

A microbiological evaluation of apalcillin. Wiedemann B, et al. **Infection** 1983 Nov–Dec;11(6):340–4

A novel character of acylaminobenzylpenicillin apalcillin, in binding to penicillin–binding proteins of Escherichia coli and Pseudomonas aeruginosa. Fukasawa M, et al. **J Antibiot (Tokyo)** 1984 Mar;37(3):293–6

Distribution to human peripheral lymph of amoxycillin and of ampicillin from the oral prodrug bacampicillin. Bergan T, et al. **J Antimicrob Chemother** 1983 Nov;12(5):497–502

Interpretive criteria and tentative quality control limits for apalcillin disk susceptibility tests. Barry AL, et al. **J Clin Microbiol** 1984 Jun;19(6):777–82

A multicentre general practice study comparing pivampicillin (Pondocillin) and amoxycillin (Amoxil) in respiratory tract infections. Moran DG. **J Int Med Res** 1983;11(6):370–4

An open study of pivampicillin (Pondocillin) as a treatment for acute lower urinary tract infection. Sutton JB. **J Int Med Res** 1983;11(6):375–9

Correlation between the bioavailability of microencapsulated bacampicillin hydrochloride in suspension and in vitro microcapsule dissolution. Sjövall J, et al. **J Pharm Sci** 1984 Feb;73(2):141–5

Double–blind comparison of pivmecillinam plus pivampicillin ('Miraxid') with pivampicillin alone in chronic bronchitis: a Danish multi–centre study. Bukh N. **Pharmatherapeutica** 1983;3(6):422–8

Tolerance of two ampicillin esters: a comparison of pivampicillin and bacampicillin. Hjort N, et al. **Pharmatherapeutica** 1983;3(6):398–404

Pivmecillinam plus pivampicillin versus co–trimoxazole in patients undergoing transurethral prostate resection. Holmquist B, et al. **Pharmatherapeutica** 1984;3(10):686–91

A comparison of the combination pivmecillinam/pivampicillin and co–trimoxazole in the treatment of convalescent carriers of Salmonella and Shigella. Ekwall E, et al. **Scand J Infect Dis** 1984; 16(1):99–102

[Pharmacokinetics of apalcillin. Study of linearity] Akbaraly JP, et al. **Pathol Biol (Paris)** 1984 May;32(5):307–11 (Eng. Abstr.) **(Fre)**

[Pharmacokinetic study of apalcillin after infusion] Brachet–Liermain A, et al. **Pathol Biol (Paris)** 1983 May; 31(5):319–22 (Eng. Abstr.) **(Fre)**

[Antibacterial activity of apalcillin against 300 strains of enterobacteria] Coulet M, et al. **Pathol Biol (Paris)** 1983 May;31(5):311–8 (Eng. Abstr.) **(Fre)**

[Pharmacokinetics of apalcillin (PC 904). Study of penetration into bronchial secretions] Pierre J, et al. **Pathol Biol (Paris)** 1983 May;31(5):323–7 (Eng. Abstr.) **(Fre)**

[Bacteriostatic activity of apalcillin on Gram–negative bacilli and strict anaerobic bacteria. Multicenter study] Quentin C, et al. **Pathol Biol (Paris)** 1984 May;32(5):301–6 (Eng. Abstr.) **(Fre)**

[Clinical profile of a new bioprecursor] Angelini F, et al. **Rev Odontostomatol (Paris)** 1983 Sep–Oct;12(5):387–91 **(Fre)**

[Experimental investigation on intrapulmonary and tracheobronchial distribution of ampicillin after administration of a beta–lactam antibiotic, bacampicillin] Kitamura S, et al. **Jpn J Antibiot** 1983 Nov;36(11):2965–70 (Eng. Abstr.) **(Jpn)**

[In vitro hydrolysis of an ampicillin ester. I. Microbiologic evaluation] Angelini NM, et al. **Rev Latinoam Microbiol** 1983 Apr–Jun;25(2):109–12 (Eng. Abstr.) **(Spa)**

ANALYSIS

[Studies on the production of PCA in the guinea pig by aminobenzylpenicillin derivatives] Yagi K. **Arerugi** 1984 Mar;33(3):148–57 (Eng. Abstr.) **(Jpn)**

BLOOD

Pharmacokinetics of sulbactam and ampicillin following oral administration of sultamicillin with probenecid. Emmerson AM, et al. **Eur J Clin Microbiol** 1983 Aug;2(4):340–4

[Pharmacokinetic studies of ampicillin during and following intravenous drip infusion in healthy human volunteers] Imoto T. **Jpn J Antibiot** 1984 Apr;37(4):663–70 (Eng. Abstr.) **(Jpn)**

CHEMICAL SYNTHESIS

Synthesis and antibacterial activity of triazole and isoxazole derivatives of ampicillin. Yasuda N, et al. **J Antibiot (Tokyo)** 1983 Nov;36(11):1516–24

DIAGNOSTIC USE

Effects of antibiotics, minocycline and ampicillin, on human sleep. Nonaka K, et al. **Brain Res** 1983 Dec 12; 288(1–2):253–9

IMMUNOLOGY

Immune haemolytic anaemia associated with ampicillin dependent warm antibodies and high titre cold agglutinins in a patient with Mycoplasma pneumonia. Mickley H, et al. **Scand J Haematol** 1984 Mar;32(3):323–6

METABOLISM

Levels of ampicillin and doxycycline in human oviduct mucosa and serum. Brihmer C, et al. **Acta Obstet Gynecol Scand** 1983;62(3):231–4

Pharmacokinetics of sultamicillin in mice, rats, and dogs. English AR, et al. **Antimicrob Agents Chemother** 1984 May; 25(5):599–602

Penetration of sulbactam and ampicillin into peritoneal fluid. Wise R, et al. **Antimicrob Agents Chemother** 1983 Aug; 24(2):290–2

Effect of ethnic origin on ampicillin bioavailability in healthy Sudanese subjects [letter] Ali HM, et al. **Br J Clin Pharmacol** 1983 Nov;16(5):576–7

Effect of posture on ampicillin pharmacokinetics, glomerular filtration rate and renal plasma flow in resting subjects. Breiby M, et al. **Br J Clin Pharmacol** 1983 Dec;16(6):691–4

Effect of bile salts on the rectal absorption of sodium ampicillin in rats. Murakami T, et al. **Chem Pharm Bull (Tokyo)** 1984 May;32(5):1948–55

Effect of isoxazolyl–penicillin on the rectal absorption of ampicillin in rabbits and humans. Murakami T, et al. **Chem Pharm Bull (Tokyo)** 1983 May;31(5):1708–13

Ampicillin and propylthiouracil pharmacokinetics in intestinal bypass patients followed up to a year after operation. Kampmann JP, et al. **Clin Pharmacokinet** 1984 Mar–Apr;9(2):168–76

Ampicillin and cephalexin in renal insufficiency. Hori R, et al. **Clin Pharmacol Ther** 1983 Dec;34(6):792–8

Kinetics and dose calculations of ampicillin and gentamicin given as continuous intravenous infusion during parenteral nutrition in 88 newborn infants. Colding H, et al. **Dev Pharmacol Ther** 1983;6(6):365–73

Pharmacokinetics of sulbactam and ampicillin following oral administration of sultamicillin with probenecid. Emmerson AM, et al. **Eur J Clin Microbiol** 1983 Aug;2(4):340–4

Distribution to human peripheral lymph of amoxycillin and of ampicillin from the oral prodrug bacampicillin. Bergan T, et al. **J Antimicrob Chemother** 1983 Nov;12(5):497–502

Further investigations on the transport mechanism of cephalexin and ampicillin across rat jejunum. Yamashita S, et al. **J Pharmacobiodyn** 1984 Apr;7(4):227–33

Dispersion of a fluorescein dye–ampicillin mixture after intratracheal administration in calves. Long PE, et al. **J Vet Pharmacol Ther** 1984 Jun;7(2):147–51

Comparison of bone levels after intramuscular administration of cephradine ('Velosef') or flucloxacillin/ampicillin in hip replacement. Brooks S, et al. **Pharmatherapeutica** 1984; 3(10):642–9

Penetration of ampicillin ('Pondocillin') and amoxycillin ('Imacillin') into bronchial secretions. Hagstad H. **Pharmatherapeutica** 1984;3(10):692–7

[Penicillin and ampicillin levels in pathologically altered tissue following regional intravenous administration of antibiotics in cattle legs] Stanek C, et al. **Berl Munch Tierarztl Wochenschr** 1984 May 1;97(5):162–6 (Eng. Abstr.) **(Ger)**

[Experimental investigation on intrapulmonary and tracheobronchial distribution of ampicillin after administration of a beta-lactam antibiotic, bacampicillin] Kitamura S, et al. **Jpn J Antibiot** 1983 Nov;36(11):2965–70 (Eng. Abstr.) **(Jpn)**

[Pharmacokinetics of an ampicillin suppository (KS–R1) in mice, rats and rabbits] Nishimura K, et al. **Jpn J Antibiot** 1983 Jul;36(7):1683–91 (Eng. Abstr.) **(Jpn)**

[Absorption and excretion of an ampicillin suppository (KS–R1) in dogs] Nishimura K, et al. **Jpn J Antibiot** 1983 Jul;36(7):1692–8 (Eng. Abstr.) **(Jpn)**

[Penetration of ampicillin and oxacillin into the tissues of rats with aseptic inflammation] Agapitova IV, et al. **Antibiotiki** 1984 May;29(5):370–3 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Resistance types in Citrobacter freundii. Occurrence and resistance to ampicillin, carbenicillin, cephalothin and mecillinam. Transfer of ampicillin resistance. Søgaard P. **Acta Pathol Microbiol Immunol Scand [B]** 1984 Apr; 92(2):79–83

Ampicillin effect on lymphatic tissue of mice and its reaction to sheep erythrocytes. Mościcka-Wesołowska M, et al. **Acta Physiol Pol** 1983 May–Jun;34(3):369–81

Certain characteristics of human lymphocyte migration inhibitory factors (LyMIF) and the effect of ampicillin on their appearance in unstimulated and PHA-stimulated cultures. Skopińska-Różewska E, et al. **Acta Physiol Pol** 1983 May–Jun;34(3):353–67

Antimicrobial resistance in Haemophilus isolates: a Minnesota experience and literature review. Woolfrey BF, et al. **Am J Clin Pathol** 1984 Sep;82(3):311–8

Increasing ampicillin-resistance rates in Hemophilus influenzae meningitis. Istre GR, et al. **Am J Dis Child** 1984 Apr;138(4):366–9

Elimination of plasmidic resistance to ampicillin and of enterotoxinogenicity in certain enteric gram-negative bacteria after incubation with high concentrations of amprolium. Ozanne G, et al. **Am J Vet Res** 1984 Feb; 45(2):326–32

In vitro interactions between rifampin and ampicillin or chloramphenicol against Haemophilus influenzae. Jadavji T, et al. **Antimicrob Agents Chemother** 1984 Jul;26(1):91–3

Pharmacokinetics and therapeutic efficacy of imipenem, ceftazidime, and ceftriaxone in experimental meningitis due to an ampicillin- and chloramphenicol-resistant strain of Haemophilus influenzae type b. Sakata Y, et al. **Antimicrob Agents Chemother** 1984 Jan;25(1):29–32

Transmissible antibiotic resistance in halophilic vibrios. Rusu V, et al. **Arch Roum Pathol Exp Microbiol** 1983 Apr–Sep; 42(2–3):141–5

Antibacterial activity and kill kinetics of ampicillin/sulbactam (CP-45899) combinations against Escherichia coli and Klebsiella aerogenes. Fuglesang JE, et al. **Infection** 1984 Jan–Feb;12(1):46–50

Ampicillin-resistant Hemophilus influenzae type B infections in hospitalized pediatric patients. Meyrovitch J, et al. **Isr J Med Sci** 1984 Jun;20(6):519–21

The killing effects of cefathiamidine or ampicillin alone and in combination with gentamicin against enterococci. Chen HY, et al. **J Antimicrob Chemother** 1983 Jul;12(1):19–26

Plasmid-determined beta-lactamases identified in a group of 204 ampicillin-resistant Enterobacteriaceae. Roy C, et al. **J Antimicrob Chemother** 1983 Nov;12(5):507–10

Origin and direction of in vitro replication of Haemophilus ducreyi and Neisseria gonorrhoeae ampicillin resistance plasmids. McNicol PJ, et al. **J Bacteriol** 1984 Apr; 158(1):393–5

Characterization of ampicillin resistance plasmids of Haemophilus ducreyi and Neisseria gonorrhoeae with regard to location of origin of transfer and mobilization by a conjugative plasmid of Haemophilus ducreyi. McNicol PJ, et al. **J Bacteriol** 1983 Oct;156(1):437–40

Interpretive standards and quality control limits for susceptibility tests with ampicillin–sulbactam combination disks. Barry AL, et al. **J Clin Microbiol** 1984 Feb; 19(2):134–9

Simple screening method for beta-lactamase-positive and -negative ampicillin-resistant Haemophilus influenzae isolates. Parr TR Jr, et al. **J Clin Microbiol** 1984 Jul; 20(1):131–2

Binding to and antibacterial effect of ampicillin, neomycin and polymyxin B on human faeces. Hazenberg MP, et al. **J Hyg (Lond)** 1984 Aug;93(1):27–34

Leads from the MMWR. Ampicillin and chloramphenicol resistance in systemic Hemophilus influenzae disease. **JAMA** 1984 Feb 17;251(7):884–5

Ampicillin and chloramphenicol resistance in systemic Haemophilus influenzae disease. **MMWR** 1984 Jan 27; 33(3):35–7

In vitro interactions between metronidazole or tinidazole and ampicillin, doxycycline and co-trimoxazole on the effect against anaerobic bacteria. Bergan T, et al. **Scand J Gastroenterol [Suppl]** 1984;91:95–101

Epiglottitis due to ampicillin-tolerant Haemophilus influenzae type b. Westerman EL, et al. **South Med J** 1984 Mar;77(3):386–7

Fairfax data show no consistent trend in ampicillin-resistant H influenzae [letter] Schwartz RH, et al. **Va Med** 1984 Apr;111(4):225

[In vitro interaction between an ampicillin–colistin combination and ampicillin-resistant Escherichia coli] Coste M, et al. **Can J Microbiol** 1983 Dec;29(12):1650–2 **(Fre)**

[Inhibitory activity of ampicillin and mecillinam on Haemophilus influenzae] Dabernat H, et al. **Pathol Biol (Paris)** 1984 May;32(5):378–80 (Eng. Abstr.) **(Fre)**

[Course of ampicillin sensitivity in Haemophilus influenzae responsible for purulent meningitis in children. Therapeutic consequen_es] Joly C, et al. **Pathol Biol (Paris)** 1983 May; 31(5):304–7 (Eng. Abstr.) **(Fre)**

[Relation between PBPs (penicillin-binding proteins) and growth curves of Escherichia coli submitted to ampicillin and oxacillin] Yourassowsky E, et al. **Pathol Biol (Paris)** 1984 May;32(5):384–5 (Eng. Abstr.) **(Fre)**

[Effects of various antibiotics and natural mycotoxins on the hematopoietic stem cells of the bone marrow in normal and adjuvant-treated rats] Aoki I, et al. **Jpn J Antibiot** 1983 Jul;36(7):1638–44 (Eng. Abstr.) **(Jpn)**

[Bacterial flora isolated from the cervical secretions of patients with acute gonorrhea and their sensitivities to spectinomycin and ampicillin] Deguchi K, et al. **Jpn J Antibiot** 1983 Aug;36(8):2098–102 (Eng. Abstr.) **(Jpn)**

[Drug resistance of bacteria—the present status and future prospect. 3. Haemophilus influenzae] Matsumoto K, et al. **Nippon Rinsho** 1984 Mar;42(3):664–70 (15 ref.) **(Jpn)**

[Combined antimicrobial action of mecillinam and ampicillin] Khantimer EI. **Antibiotiki** 1983 Aug;28(8):589–91 (Eng. Abstr.) **(Rus)**

[Kinetics of ampicillin breakdown in the solid state] Ovcharova GD, et al. **Antibiotiki** 1984 Mar;29(3):166–70 (Eng. Abstr.) **(Rus)**

[Response to antibiotics of Proteus strains isolated from different types of clinical material] Ovetchin PV, et al. **Antibiotiki** 1984 Apr;29(4):272–5 (Eng. Abstr.) **(Rus)**

[Suppression of the adhesive properties of mucosal microflora by ampicillin in peptic ulcer] Sytnik SI. **Antibiotiki** 1984 Feb;29(2):127–9 (Eng. Abstr.) **(Rus)**

[Profile of antimicrobial sensitivity of Haemophilus influenzae isolated in pediatric pathology] Reyes L, et al. **Rev Chil Pediatr** 1984 Jan–Feb;55(1):54–6 (Eng. Abstr.) **(Spa)**

[In vitro hydrolysis of an ampicillin ester. II. Sensitivity tests in microorganisms of human origin] Angelini NM, et al. **Rev Latinoam Microbiol** 1983 Apr–Jun;25(2):113–5 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

Intra-operative irrigation of the peritoneal cavity with ampicillin in experimental posttraumatic peritonitis. Nyström PO, et al. **Acta Chir Scand** 1984;150(1):45–9

Septic complications after appendicectomy for perforated appendicitis. A controlled clinical trial metronidazole and topical ampicillin. Schultz A, et al. **Acta Chir Scand** 1983; 149(5):517–20

Late-onset group B streptococcal disease after peripartum ampicillin prophylaxis [letter] Aucoin PJ, et al. **Am J Dis Child** 1984 Aug;138(8):795

Initial antibiotic treatment of purulent meningitis in infants 1 to 2 months of age. Enzenauer RW, et al. **Am J Dis Child** 1983 Nov;137(11):1055–6

Treatment of meningitis in the very young infant [editorial] Fulginiti VA. **Am J Dis Child** 1983 Nov;137(11):1043

Trimethoprim/sulfamethoxazole-resistant Nocardia asteroides causing multiple hepatic abscesses. Successful treatment with ampicillin, amikacin, and limited computed tomography-guided needle aspiration. Cockerill FR 3d, et al. **Am J Med** 1984 Sep;77(3):558–60

Ampicillin versus cefamandole in biliary tract surgery. A prospective, randomized clinical and bacteriological study. Levi JU, et al. **Am Surg** 1984 Aug;50(8):412–7

Metronidazole v ampicillin: differing effects on the postoperative recovery. Chant AD, et al. **Ann R Coll Surg Engl** 1984 Mar;66(2):96–7

Comparative efficacies of mezlocillin and ampicillin alone or in combination with gentamicin in the treatment of Streptococcus faecalis endocarditis in rabbits. Fass RJ, et al. **Antimicrob Agents Chemother** 1984 Apr;25(4):408–10

Comparative efficacies of pivmecillinam and ampicillin in acute shigellosis. Kabir I, et al. **Antimicrob Agents Chemother** 1984 May;25(5):643–5

A Danish multicenter study: cefoxitin versus ampicillin + metronidazole in perforated appendicitis. **Br J Surg** 1984 Feb;71(2):144–6

Sultamicillin in the treatment of gonorrhoea caused by penicillin sensitive and penicillinase producing strains of Neisseria gonorrhoeae. Atia WA, et al. **Br J Vener Dis** 1983 Oct;59(5):293–7

Advantages of adding a course of tetracycline to single dose ampicillin and probenecid in the treatment of gonorrhoea. Ridgway GL, et al. **Br J Vener Dis** 1984 Aug;60(4):235–7

Haemophilus influenzae type b resistant to ampicillin and chloramphenicol [letter] Catry MA, et al. **Br Med J [Clin Res]** 1983 Nov 12;287(6403):1471

Comparison of cefadroxil and ampicillin in the treatment of urinary tract infections in children. Malaka-Zafiriu K, et al. **Clin Ther** 1984;6(2):178–84

Acute otitis media secondary to ampicillin-resistant H. influenzae. Schwartz RH, et al. **Ear Nose Throat J** 1984 Mar;63(3):161–6

Concentrations of ampicillin plus sulbactam in serum and intestinal mucosa and effects on the colonic microflora in patients undergoing colorectal surgery. Kager L, et al. **Eur J Clin Microbiol** 1983 Dec;2(6):559–63

Beta-lactamases in ampicillin-resistant enterobacteriaceae. Opferkuch W, et al. **Infection** 1983;11 Suppl 2:S83–4

Quantitative determination of the effect of granulocytes on the course of experimental infections during antibiotic treatment. van der Voet GB, et al. **Infection** 1984 Jan–Feb; 12(1):5–9

Usefulness of ampicillin in the treatment of acne vulgaris [letter] Lane PR. **J Am Acad Dermatol** 1984 Apr;10(4):673

Usefulness of ampicillin in treatment of acne vulgaris [letter] Shore RN. **J Am Acad Dermatol** 1983 Oct;9(4):604–5

Canine urinary tract infections: a comparison of in vitro antimicrobial susceptibility test results and response to oral therapy with ampicillin or with trimethoprim–sulfa. Ling GV, et al. **J Am Vet Med Assoc** 1984 Aug 1;185(3):277–81

Comparison of the efficacy and safety of ceftriaxone to ampicillin/chloramphenicol in the treatment of childhood meningitis. Aronoff SC, et al. **J Antimicrob Chemother** 1984 Feb;13(2):143–51

Clinical, bacteriological and pharmacokinetic results from an open trial of sultamicillin in patients with acute exacerbations of chronic bronchitis. Davies BI, et al. **J Antimicrob Chemother** 1984 Feb;13(2):161–70

Evaluation of ceftazidime, ampicillin and chloramphenicol in experimental Haemophilus influenzae type b meningitis. McColm AA, et al. **J Antimicrob Chemother** 1984 May; 13(5):437–45

Selective intrapartum chemoprophylaxis of neonatal group B streptococcal early-onset disease. III. Interruption of mother-to-infant transmission. Boyer KM, et al. **J Infect Dis** 1983 Nov;148(5):810–6

Enterococcal meningitis: failure of treatment with ampicillin and chloramphenicol [letter] Venezio FR, et al. **J Infect Dis** 1984 Aug;150(2):305

A prospective comparison of two regimens of prophylactic antibiotics in abdominal trauma: cefoxitin versus triple drug. Hofstetter SR, et al. **J Trauma** 1984 Apr;24(4):307–10

Acute epiglottitis [letter] Warren DJ. **Med J Aust** 1984 May 12;140(10):632

Hemophilus influenza endocarditis: successful treatment with ampicillin and early valve replacement. Danford DA, et al. **Nebr Med J** 1984 Apr;69(4):88–91

Efficacy of ampicillin and cefoxitin in the treatment of acute pelvic inflammatory disease. A comparative study. de Beer JA, et al. **S Afr Med J** 1983 Oct 29;64(19):733–6

Prophylactic regimens in colorectal surgery. Comparison between metronidazole used alone or in combination with either ampicillin or doxycycline. Roland M, et al. **Scand J Gastroenterol [Suppl]** 1984;90:37–52

A comparison of rosoxacin with ampicillin and probenecid in the treatment of uncomplicated gonorrhea. Cohen AI, et al. **Sex Transm Dis** 1984 Jan–Mar;11(1):24–7

Resistance to ampicillin in Hemophilus influenzae meningitis. Armstrong CW, et al. **Va Med** 1984 Jan;111(1):18–21

[Treatment of bovine Corynebacterium pyogenes endometritis with totocillin] Grunert E, et al. **DTW** 1983 Oct 6;90(10):405–9 (Eng. Abstr.) **(Ger)**

[Lethality and danger of 14 types of purulent meningitis in the pre-ampicillin and in the ampicillin period. Synoptic overview of an epidemiologic study] Buchs S, et al. **Schweiz Med Wochenschr** 1984 Jan 28;114(4):136–40 (Eng. Abstr.) **(Ger)**

[Treatment of rheumatoid arthritis with ampicillin: results of long-term observations indicating the possibility of inhibiting the progression of bone damage] Wawrzynska-Pagowska J, et al. **Reumatologia** 1984; 22(1):1–10 (Eng. Abstr.) **(Pol)**

TOXICITY

Evaluation of genotoxicity of ampicillin and carbenicillin on human lymphocytes in vitro: chromosome aberrations, mitotic index, cell cycle kinetics, satellite associations of acrocentric chromosomes and sister chromatid exchanges. Jaju M, et al. **Hum Toxicol** 1984 Jun;3(3):173–91

Experimental ampicillin glomerulonephropathy. Wright NG, et al. **J Comp Pathol** 1984 Jul;94(3):357–61

ampC beta-lactamase hyperproduction in Escherichia coli: natural ampicillin resistance generated by horizontal chromosomal DNA transfer from Shigella. Olsson O, et al. **Proc Natl Acad Sci USA** 1983 Dec;80(24):7556–60

URINE

Quantitative high-performance thin-layer chromatographic analysis of ampicillin in human urine. Mrhar A, et al. **J Chromatogr** 1983 Oct 14;277:251–9

Comparative pharmacokinetics of dicloxacillin and ampicillin between individual and combined doses. Murai Y, et al. **J Pharmacobiodyn** 1984 Jan;7(1):33–42

[A study of the analysis of urinary excretion of antimicrobial agents and the prediction of their urinary level in patients] Matsuda S. **Nippon Hinyokika Gakkai Zasshi** 1984 Mar; 75(3):440–52 (Eng. Abstr.) **(Jpn)**

AMPLIFIERS

Development of a voice amplifying device for incapacitated persons. Shannon TM, et al. **Australas Phys Eng Sci Med** 1983 Oct-Dec;6(4):170-3

Electroacoustic characteristics of personal FM systems. Hawkins DB, et al. **J Speech Hear Disord** 1982 Nov; 47(4):355-62

Low-power, low-noise instrumentation amplifier for physiological signals. Hamstra GH, et al. **Med Biol Eng Comput** 1984 May;22(3):272-4

Isolated amplifier circuit for monitoring impedence, current passage and recorded signal from metal microelectrodes. McClellan AD. **Med Biol Eng Comput** 1983 Nov; 21(6):776-7

Microelectrode amplifier for intracellular stimulation and recording. Peltoranta M, et al. **Med Biol Eng Comput** 1983 Nov;21(6):731-8

A low noise isolated amplifier system for electrophysiological measurements: basic considerations and design. van Heuningen R, et al. **Med Biol Eng Comput** 1984 Jan; 22(1):77-85

A high-performance portable EEG amplifier. Smith JR, et al. **Sleep** 1983;6(3):286-8

AMPROLIUM see under **PICOLINES**

AMPUTATION

Amputations in diabetics and nondiabetics in Umeå county 1971-1977. Borssén B, et al. **Acta Med Scand [Suppl]** 1984; 687:95-100

Amputations in diabetic patients in Gotland and Umeå counties 1971-1980. Lindegård P, et al. **Acta Med Scand [Suppl]** 1984;687:89-93

Amputation of the forefoot. Predictive value of signs and clinical physiological tests. Boeckstyns ME, et al. **Acta Orthop Scand** 1984 Apr;55(2):224-6

The distal blood pressure predicts healing of amputations on the feet. Holstein P. **Acta Orthop Scand** 1984 Apr; 55(2):227-33

The continuing challenge of popliteal vascular injuries. Orcutt MB, et al. **Am J Surg** 1983 Dec;146(6):758-61

Popliteal and infrapopliteal arterial injuries. Differential management and amputation rates. Yeager RA, et al. **Am Surg** 1984 Mar;50(3):155-8

Anaesthesia for lower limb amputation. A comparison of spinal analgesia and general anaesthesia in the elderly. Mann RA, et al. **Anaesthesia** 1983 Dec;38(12):1185-91

The fate of the below knee amputee [letter] Keetarut S. **Ann R Coll Surg Engl** 1983 Nov;65(6):423-4

Amputation risk factors in concomitant superficial femoral artery and vein injuries. Phifer TJ, et al. **Ann Surg** 1984 Feb;199(2):241-3

Wrist disarticulation of a deformed hand: appropriate prosthesis and the habilitation of a severely retarded young man. Stimson C, et al. **Arch Phys Med Rehabil** 1984 May; 65(5):279-80

Immediate effects of digit amputation on SI cortex in the raccoon: unmasking of inhibitory fields. Rasmusson DD, et al. **Brain Res** 1983 Dec 12;288(1-2):368-70

Limb salvage for skeletal and soft tissue sarcomas. Multidisciplinary preoperative therapy. Eilber FR, et al. **Cancer** 1984 Jun 15;53(12):2579-84

Surgical stress-mediated suppression of murine natural killer cell cytotoxicity. Pollock RE, et al. **Cancer Res** 1984 Sep; 44(9):3888-91

Amputation following meningococcemia. A sequela to purpura fulminans. Jacobsen ST, et al. **Clin Orthop** 1984 May;(185):214-9

V.A. Cooperative Study on antiplatelet agents in diabetic patients after amputation for gangrene: I. Design, methods, and baseline characteristics. Colwell JA, et al. **Controlled Clin Trials** 1984 Jun;5(2):165-83

Transcutaneous oxygen measurement as a noninvasive indicator of level of tissue healing in patients with peripheral vascular disease and projected amputations. Benscoter JL, et al. **J Am Osteopath Assoc** 1984 Apr; 83(8):560-74

The orthopaedic implications of purpura fulminans. Canale ST, et al. **J Bone Joint Surg [Am]** 1984 Jun;66(5):764-9

Nutritional status: importance in predicting wound-healing after amputation. Dickhaut SC, et al. **J Bone Joint Surg [Am]** 1984 Jan;66(1):71-5

Upper extremity gangrene of the newborn infant. Shaffer WO, et al. **J Hand Surg [Am]** 1984 Jan;9A(1):88-90

Limb salvage procedures for children with osteosarcoma: an alternative to amputation. Rao BN, et al. **J Pediatr Surg** 1983 Dec;18(6):901-8

Hemicorporectomy—perioperative management: a case presentation and review of literature. Shafir M, et al. **J Surg Oncol** 1984 Jun;26(2):79-82

Amputation for peripheral vascular disease in the paraplegic and tetraplegic. Grundy DJ, et al. **Paraplegia** 1983 Oct; 21(5):305-11

Shoulder reconstruction following disarticulation for ruptured mycotic aneurysm. Stevenson TR, et al. **Plast Reconstr Surg** 1984 Sep;74(3):423-6

Hemipelvectomy for liposarcoma: an unusual case and course. Deutsch AA, et al. **Postgrad Med J** 1984 Jan; 60(699):70-2

Failures in through-knee amputation. Baumgartner R. **Prosthet Orthot Int** 1983 Aug;7(2):116-8

Choice of level in lower extremity amputation—nationwide survey. Ebskov B. **Prosthet Orthot Int** 1983 Aug;7(2):58-60

Preliminary experiences with laser Doppler velocimetry for the determination of amputation levels. Holloway GA Jr, et al. **Prosthet Orthot Int** 1983 Aug;7(2):63-6

The Knud Jansen lecture. Amputation revisited. Murdoch G. **Prosthet Orthot Int** 1984 Apr;8(1):8-15

Prediction of leg viability and amputation level by fluorescein uptake. Silverman D, et al. **Prosthet Orthot Int** 1983 Aug; 7(2):69-71

Amputations following motorcycle accidents. A 1-year experience. Gottschalk FA. **S Afr Med J** 1984 Jul 21; 66(3):108-9

Amputations after vascular trauma in civilians. Adinolfi MF, et al. **South Med J** 1983 Oct;76(10):1241-3, 1248

Management of wounds in the diabetic foot. White RR 4th, et al. **Surg Clin North Am** 1984 Aug;64(4):735-42

The paradox of amputation in the presence of healing [letter] Kemmett D, et al. **Trop Doct** 1984 Apr;14(2):70-1

[Pseudocancer of the skin following lower leg amputation. Rare case of Gottron's papillomatosis cutis carcinoides] Bues M, et al. **Zentralbl Chir** 1983;108(14):895-9 **(Ger)**

[Knee joint articulation—alternative to distal femoral amputations in arterial occlusive disease stage III and IV] Krause U, et al. **Zentralbl Chir** 1984;109(6):436-40 **(Ger)**

[Major amputation in oncological surgery] Halevy A, et al. **Harefuah** 1984 Feb 15;106(4):153-6 (Eng. Abstr.) **(Heb)**

[Amputation after reconstructive surgery on the arteries of the lower extremities] Kniazev MD, et al. **Klin Khir** 1984 Jul;(7):14-7 (Eng. Abstr.) **(Rus)**

[Clinical and functional features of prosthesis following interilioabdominal exarticulation] Kondrashin NI, et al. **Ortop Travmatol Protez** 1983 Nov;(11):30-3 (Eng. Abstr.) **(Rus)**

[Acute gastric hemorrhage after interilioabdominal amputation] Kulish NI, et al. **Vestn Khir** 1984 Jul; 132(7):117-8 **(Rus)**

[Interiliac-abdominal amputation in sarcoma of the bones and soft tissues of the pelvic girdle] Stoliarov VI, et al. **Vestn Khir** 1983 Nov;131(11):60-4 (Eng. Abstr.) **(Rus)**

[Use of glycosylated hemoglobin as a prognostic indicator in amputations in the diabetic patient] Rodríguez García MA, et al. **Rev Clin Esp** 1983 Nov 15;171(3):179-83 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

The risk of malignant edema following lower limb amputation for ischemic gangrene. László G, et al. **Arch Orthop Trauma Surg** 1983;102(1):49-50

Treatment and prevention of amputation neuromas in hand surgery. Gorkisch K, et al. **Plast Reconstr Surg** 1984 Feb; 73(2):293-9

[Atypical pain syndrome after amputation of the lower limb] Krajewski R, et al. **Neurol Neurochir Pol** 1984 Jan-Feb; 18(1):83-5 (Eng. Abstr.) **(Pol)**

HISTORY

An 18th century amputation (Lady Anne Dawson). Agnew LR. **Lancet** 1983 Nov 5;2(8358):1074-5

METHODS

Selection of amputation level. Comparison between morphine puncture test and skin perfusion pressure. Møller BN, et al. **Acta Orthop Scand** 1983 Dec;54(6):943-5

Transcutaneous oxygen tension in selection of amputation level. Katsamouris A, et al. **Am J Surg** 1984 Apr; 147(4):510-7

Guillotine amputation in the treatment of nonsalvageable lower-extremity infections. McIntyre KE Jr, et al. **Arch Surg** 1984 Apr;119(4):450-3

Determination of amputation level in ischemic legs by means of transcutaneous oxygen pressure measurement. Ito K, et al. **Int Surg** 1984 Jan-Mar;69(1):59-61

Amputations at the ankle. Millard IL. **J Arkansas Med Soc** 1983 Jul;80(2):108-9

A new technique for reconstruction of an open above-knee amputation. Rees R, et al. **Plast Reconstr Surg** 1983 Dec; 72(6):882-6

Measurement of skin perfusion pressure by photoelectric technique—an aid to amputation level selection in arteriosclerotic disease. Ovesen J, et al. **Prosthet Orthot Int** 1984 Apr;8(1):39-42

Ankle-level amputation. Nakhgevany KB, et al. **Surgery** 1984 May;95(5):549-52

[Value of preoperative evaluation methods for the determination of amputation height in chronic arterial occlusive disease of Fontaine's stage IV (I)] Brückner L. **Beitr Orthop Traumatol** 1983 Dec;30(12):640-4 (Eng. Abstr.) **(Ger)**

[Amputation in vascular disorders] Baumeister RG, et al. **Chirurg** 1984 May;55(5):306-10 **(Ger)**

[Emergency amputations] Holz U, et al. **Chirurg** 1984 May; 55(5):301-5 **(Ger)**

[Prosthetic care following amputation] Marquardt E. **Chirurg** 1984 May;55(5):311-7 **(Ger)**

[Indications for amputation as well as stump care in bone infection of the lower extremity] Dederich R. **Orthopade** 1983 Sep;12(4):235-55 **(Ger)**

[Evaluation of amputation techniques for the study of limb regeneration in the newt and toad] Fujimaki M, et al. **Jikken Dobutsu** 1984 Jan;33(1):109-14 (Eng. Abstr.) **(Jpn)**

[Surgical tactics in gangrene of the limb caused by acute arterial obstruction] Savel'ev VS, et al. **Khirurgiia (Mosk)** 1984 Apr;(4):112-7 **(Rus)**

[Method of compression osteosynthesis in thigh amputations by the Gritti-Shimanovskii method] Ivanov AM, et al. **Ortop Travmatol Protez** 1983 Nov;(11):21-4 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

Psychological response to amputation as a function of age and time since amputation. Frank RG, et al. **Br J Psychiatry** 1984 May;144:493-7

The needs and unique problems facing spinal cord injured persons after limb amputation. Ohry A, et al. **Paraplegia** 1983 Aug;21(4):260-3

REHABILITATION

Sitting orthosis for patient with bilateral hip disarticulation. Oryshkevich RS, et al. **Arch Phys Med Rehabil** 1984 May; 65(5):276-8

The place of amputation in the management of the ischaemic lower limb in the dysvascular geriatric patient. Redhead RG. **Int Rehabil Med** 1984;6(2):68-71

Prosthetics and orthotics in developing countries. Sankaran B. **Int Rehabil Med** 1984;6(2):85-101

In-hospital rehabilitation of amputees: a prospective study. Acton D, et al. **Ir Med J** 1984 May;77(5):131-3

Limb salvage in the elderly and infirm [editorial] Veith FJ. **J Am Geriatr Soc** 1984 Apr;32(4):252

Rehabilitation after amputations in the hand. Wilson RL, et al. **Orthop Clin North Am** 1983 Oct;14(4):851-72

New trends in the rehabilitation of lower extremity amputees. Goldberg RT. **Rehabil Lit** 1984 Jan-Feb;45(1-2):2-11

The amputee service. A review. Gottschalk FA. **S Afr J Surg** 1983 Sep;21(3):189-92

The rehabilitation of a bilateral amputee. A case report. Doraisamy P, et al. **Singapore Med J** 1983 Jun;24(3):172-4

[Problems in the rehabilitation of aged patients after injuries and operations on the locomotor system] Kálal J. **Cas Lek Cesk** 1984 Jan 13;123(2):55-8 (Eng. Abstr.) **(Cze)**

[Evaluation of the rehabilitation of geriatric amputees] Cohen E, et al. **Harefuah** 1983 Jul;105(1-2):9-11 (Eng. Abstr.) **(Heb)**

[Early rehabilitation therapy in amputees] Malý M, et al. **Rozhl Chir** 1983 Sep;62(8-9):637-41 (Eng. Abstr.) **(Slo)**

[V. Recent advances in the rehabilitation of the amputated patient] Guillermo Ibarra L. **Gac Med Mex** 1983 Oct; 119(10):397-400 **(Spa)**

VETERINARY

Intravenous regional analgesia for surgery of the limbs in goats. Babalola GO, et al. **Vet Q** 1983 Oct;5(4):186-9

AMPUTATION, INTRAUTERINE see **AMNIOTIC BAND SYNDROME**

AMPUTATION STUMPS

see related
PHANTOM LIMB

Nerve entrapment syndromes in the upper extremity contralateral to amputation. Reddy MP. **Arch Phys Med Rehabil** 1984 Jan;65(1):24-6

Prediction of amputation wound healing: the role of transcutaneous pO2 assessment. Ratliff DA, et al. **Br J Surg** 1984 Mar;71(3):219-22

Stump pemphigoid: a new complication of the amputee. Reilly GD, et al. **Br Med J [Clin Res]** 1983 Sep 24; 287(6396):875-6

Silicone implants in dogs. A ten-year histopathologic study. Swanson AB, et al. **Clin Orthop** 1984 Apr;(184):293-301

Changes in the N1-P1 component of the somatosensory cortical evoked response in patients with partial limb amputation. Sica RE, et al. **Electromyogr Clin Neurophysiol** 1984 Jun-Jul;24(5):415-27

Pain and enlargement of an amputated-leg stump [letter] Singer A. **JAMA** 1984 Jun 1;251(21):2793

Phantom limb, phantom pain and stump pain in amputees during the first 6 months following limb amputation. Jensen TS, et al. **Pain** 1983 Nov;17(3):243-56

Chronic phantom and stump pain among American veterans: results of a survey. Sherman RA, et al. **Pain** 1984 Jan; 18(1):83-95

Socket design and manufacturing technique for through-knee stumps. Botta P, et al. **Prosthet Orthot Int** 1983 Aug; 7(2):100-3

Casting the through-knee stump. Lyquist E. **Prosthet Orthot Int** 1983 Aug;7(2):104-6

The postoperative environment of the amputation stump. Postoperative wound dressing after through-knee amputation. Murdoch G. **Prosthet Orthot Int** 1983 Aug; 7(2):75-8

The healing of through-knee amputations in relation to skin perfusion pressure. Thyregod HC, et al. **Prosthet Orthot Int** 1983 Aug;7(2):61-2

Amputation stumps studied by bone scanning. Work in progress. Gonzalez AC, et al. **Radiology** 1984 Apr; 151(1):225-8

[Determination of pressure distribution between orthopedic technical aids and body surface area] Girbardt R, et al. **Beitr Orthop Traumatol** 1983 Dec;30(12):633–40 (Eng. Abstr.) **(Ger)**

[Indications for amputation as well as stump care in bone infection of the lower extremity] Dederich R. **Orthopade** 1983 Sep;12(4):235–55 **(Ger)**

[Contralateral local anesthesia in stump, phantom and post-traumatic pain] Gross D. **Reg Anaesth** 1984 Apr; 7(2):65–73 (Eng. Abstr.) **(Ger)**

[Pseudocancer of the skin following lower leg amputation. Rare case of Gottron's papillomatosis cutis carcinoides] Bues M, et al. **Zentralbl Chir** 1983;108(14):895–9 **(Ger)**

[Phantom pain – its nature, etiopathogenesis and treatment] Kanios K. **Wiad Lek** 1983 Jul 1;36(13):1083–5 (Eng. Abstr.) **(Pol)**

[Venous thromboses and their complications in persons who have had amputations of the lower extremities for acute arterial obstruction] Savel'ev VS, et al. **Khirurgiia (Mosk)** 1984 May;(5):87–90 **(Rus)**

[Use of the pneumatic prosthesis in hand deformities] Koriukov AA, et al. **Ortop Travmatol Protez** 1984 Apr; (4):59–60 **(Rus)**

[Peripheral blood circulation and its dynamics in the hand stumps of patients following sustained frostbite] Vladimirtsev OV, et al. **Ortop Travmatol Protez** 1984 Jun; (6):31–4 (Eng. Abstr.) **(Rus)**

[Treatment of the muscles in primary amputation of the lower extremity] Keier AN, et al. **Vestn Khir** 1983 Jul;131(7):93–7 (Eng. Abstr.) **(Rus)**

SURGERY

[Reconstruction of the hand. Apropos of a case] Dong TH. **Chirurgie** 1983;109(7):588–9 (Eng. Abstr.) **(Fre)**

AMPUTATION, TRAUMATIC

Rodeo roping thumb injuries. Morgan RF, et al. **J Hand Surg [Am]** 1984 Mar;9(2):178–80

COMPLICATIONS

Apparent traumatic perforation of the bowel in tetanus. A case report. James MF, et al. **S Afr Med J** 1984 Apr 28; 65(17):700–1

ETIOLOGY

Farm machinery injuries. Simpson SG. **J Trauma** 1984 Feb; 24(2):150–2

[Injuries caused by accidents with chain saws] Bonte W, et al. **Z Rechtsmed** 1984;92(3):215–23 (Eng. Abstr.) **(Ger)**

[Automobile accident with avulsion of the extremities] Lysenko IuB. **Sud Med Ekspert** 1983 Oct–Dec;26(4):53 **(Rus)**

NURSING

Emergency intervention in traumatic amputation. Young D. **Nurse Pract** 1983 Nov–Dec;8(10):57, 60

PATHOLOGY

Digital avulsion injuries: the shish kebab effect of the fibrous flexor sheath. Milroy BC, et al. **Aust NZ J Surg** 1984 Feb; 54(1):67–71

[Self-injury by the teeth in death from overcooling] Ruban GE, et al. **Sud Med Ekspert** 1984 Jan–Mar;27(1):55–6 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

Self amputation and restitution [letter] Stewart DE. **Gen Hosp Psychiatry** 1984 Jul;6(3):233

SURGERY

Problems in toe-to-hand transfers. Leung PC. **Ann Acad Med Singapore** 1983 Apr;12(2 Suppl):377–81

Rehabilitation of newly reconstructed thumb. Pho RW, et al. **Ann Acad Med Singapore** 1983 Jul;12(3):380–6

Replantation for traumatic amputations. Jacobs SC, et al. **AORN J** 1984 May;39(6):956–66

Late result of pediatric thumb reconstruction by free toe transplantation. Gao JH, et al. **Chin Med J [Engl]** 1983 Nov;96(11):865–7

Traumatic partial foot amputation. Lange TA, et al. **Clin Orthop** 1984 May;(185):137–41

Multiple traumatic limb amputations. Milling AW. **Injury** 1984 Jul;16(1):6

Dorsal transposition flap for reconstruction of lateral or medial oblique amputations of the thumb with exposure of bone. Ogunro O. **J Hand Surg** 1983 Nov;8(6):894–8

Evaluation of sensibility and function with microsurgical free tissue transfer of the great toe to the hand for thumb reconstruction. Poppen NK, et al. **J Hand Surg** 1983 Sep; 8(5 Pt 1):516–31

To replant or not to replant? That is not the question [editorial] Urbaniak JR. **J Hand Surg** 1983 Sep;8(5 Pt 1):507–8

Keys to successful second toe-to-hand transfer: a review of 30 cases. Wang W. **J Hand Surg** 1983 Nov;8(6):902–6

Reconstruction and sensitization of the amputated thumb. Kartchinov KD. **J Hand Surg [Am]** 1984 Jul;9(4):478–84

Ring finger transfer in reconstruction of transmetacarpal amputations. Morrison WA, et al. **J Hand Surg [Am]** 1984 Jan;9A(1):4–11

Twenty four thumb replantations. Earley MJ, et al. **J Hand Surg [Br]** 1984 Feb;9(1):98–102

Continuous blood-letting for congestion in replantation of the amputated finger. Sadahiro T, et al. **J Hand Surg [Br]** 1984 Feb;9(1):83–8

Railyard amputations in children. Thompson GH, et al. **J Pediatr Orthop** 1983 Sep;3(4):443–8

Traumatic hemipelvectomy in combination with traumatic amputation of an upper extremity. Evans RN Jr, et al. **J Trauma** 1984 Apr;24(4):342–5

Replantation of a completely amputated penis by the microsurgical technique: a case report. Yamano Y, et al. **Microsurgery** 1984;5(1):40–3

Successful replantation of an amputated upper lip. Höltje WJ. **Plast Reconstr Surg** 1984 Apr;73(4):664–70

Experimental study of tissue graft vascularization by means of vascular implantation and subcutaneous burying. Tzuyao S. **Plast Reconstr Surg** 1984 Mar;73(3):403–10

Flexible-implant arthroplasty and finger replantation. Wray RC, et al. **Plast Reconstr Surg** 1984 Jul;74(1):97–100

Toe-to-hand transfer. Yoshimura M. **Plast Reconstr Surg** 1984 May;73(5):851–2

The looping procedure. An alternative method of thumb restoration. Eiken O, et al. **Scand J Plast Reconstr Surg** 1983;17(1):73–5

Extremity replantation. Gallico GG 3d, et al. **Surg Annu** 1983; 15:229–60 (82 ref.)

[Replantation of amputated finger phalangettes with vascular anastomosis] Sun XL. **Chung Hua Wai Ko Tsa Chih** 1983 Nov;21(11):650–2 (Eng. Abstr.) **(Chi)**

[Successful replantation of amputated fingers in children: report of 3 cases] Wang CQ. **Chung Hua Wai Ko Tsa Chih** 1983 Nov;21(11):653–4 **(Chi)**

[Experience with 46 cases of digital replantation and revascularization] De Frenne H, et al. **Acta Chir Belg** 1983 Jul–Aug;83(4):284–7 (Eng. Abstr.) **(Dut)**

[Microsurgery in the replantation of amputated limbs and fingers. Report of 55 cases involving 62 limbs or fingers] Zhou LR. **Chirurgie** 1983;109(7):612–5 (Eng. Abstr.) **(Fre)**

[Amputation of the penis: 2 reconstructive methods] Chollet D, et al. **Helv Chir Acta** 1983 Jun;50(3):247–52 (Eng. Abstr.) **(Fre)**

[Reconstruction of the external ear following amputation] Schuffenecker J. **J Fr Otorhinolaryngol** 1984 Mar; 33(3):139–44 (Eng. Abstr.) **(Fre)**

[The extent of physician's responsibility in the recovery of amputated limbs. Court decision on the question of plastic and reconstructive hand surgery] Kern BR. **Chirurg** 1984 Feb;55(2):128–30 **(Ger)**

[Should a single long finger be replanted?] Duspiva W, et al. **Handchir Mikrochir Plast Chir** 1984 Mar;16(1):31–3 (Eng. Abstr.) **(Ger)**

[Replantation of parts of the distal phalanx without venous anastomosis] Keller HP, et al. **Handchir Mikrochir Plast Chir** 1984 Mar;16(1):28–30 (Eng. Abstr.) **(Ger)**

[Joint saving forearm replantation using pedicled latissimus dorsi island flap] Tizian C, et al. **Handchir Mikrochir Plast Chir** 1984 Jun;16(2):106–10 (Eng. Abstr.) **(Ger)**

[Late functional results following replantation of a hand with resection of the proximal carpal row] Toomes J, et al. **Handchir Mikrochir Plast Chir** 1984 Mar;16(1):20–2 (Eng. Abstr.) **(Ger)**

[Replantation at the distal finger joint. Indication, technic, result, failure, case reports, alternatives] Wolfensberger C, et al. **Handchir Mikrochir Plast Chir** 1984 Mar;16(1):23–7 (Eng. Abstr.) **(Ger)**

[Penis replantation following autoamputation] Hamann F, et al. **Z Urol Nephrol** 1983 Jun;76(6):361–7 (Eng. Abstr.) **(Ger)**

[Reimplantation of arm and forearm (editorial)] Ben-Hur N, et al. **Harefuah** 1984 Mar 15;106(6):281–2 **(Heb)**

[An experimental study of the effect of fluorocarbon perfusion for amputated limb preservation. The effect of inhibition for replantation toxemia and muscle tissue destruction] Sakata H. **Nippon Seikeigeka Gakkai Zasshi** 1984 May;58(5):497–508 (Eng. Abstr.) **(Jpn)**

[Complex evaluation of the results of emergency microsurgical operations in injuries of the limbs] Belousov AE, et al. **Vestn Khir** 1984 Mar;132(3):110–3 (Eng. Abstr.) **(Rus)**

[Long-term results of emergency microsurgery operations in severe injuries and amputations of large segments of the upper limbs] Lebedev LV, et al. **Vestn Khir** 1983 Nov; 131(11):110–7 (Eng. Abstr.) **(Rus)**

[Long-term peridural analgesia with morphine in complex anti-shock measures in patients with severe trauma] Semenikhin AA, et al. **Vestn Khir** 1984 May;132(5):76–8 (Eng. Abstr.) **(Rus)**

[The importance of vein grafts in replantation] Stanec Z, et al. **Chir Maxillofac Plast** 1983;13(2–3):87–90 (Eng. Abstr.) **(Scr)**

THERAPY

Treatment of fingertip amputations with bone exposure. A comparative study between surgical and conservative treatment methods. Söderberg T, et al. **Scand J Plast Reconstr Surg** 1983;17(2):147–52

[Cutaneo-osseous reconstruction of the thumb using a microsurgical technic] Akchurin RS, et al. **Ortop Travmatol Protez** 1983 Sep;(9):53–4 **(Rus)**

[Grafting of a toe onto the hand after amputation of the thumb] Stepanov GA, et al. **Ortop Travmatol Protez** 1983 Sep;(9):51–3 **(Rus)**

AMPUTEES

The elderly amputee. Levine AM. **Am Fam Physician** 1984 May;29(5):177–82

Evaluation of amputees. Khoury SA. **Int J Rehabil Res** 1983 Dec;6(4):449–54

Hands on stamps. Bangladesh—issue of 1982. Light TR. **J Hand Surg [Am]** 1984 Jul;9(4):477

Characteristics of the child amputee population. Krebs DE, et al. **J Pediatr Orthop** 1984 Jan;4(1):89–95

Lightweight wheelchairs and amputees [letter] Zeman B. **Med J Aust** 1983 Sep 17;2(6):262

Analysis of human motion in rehabilitation by micro-computer. Ito F. **Nagoya J Med Sci** 1984 Mar; 46(1–4):55–66

The Biddlecombe frame. Spriggs JC, et al. **Physiotherapy** 1984 Feb;70(2):64–6

A microcomputer-based system for measuring temporal asymmetry in amputee gait. Cheung C, et al. **Prosthet Orthot Int** 1983 Dec;7(3):131–40

Tolerance of early walking with total contact among below-knee amputees--a randomized test. Liedberg E, et al. **Prosthet Orthot Int** 1983 Aug;7(2):91–5

Physiotherapy following through-knee amputation. Mensch G. **Prosthet Orthot Int** 1983 Aug;7(2):79–87

Functional capabilities of lower limb amputees. Narang IC, et al. **Prosthet Orthot Int** 1984 Apr;8(1):43–51

The early rehabilitation of lower limb amputees using a pneumatic walking aid. Redhead RG. **Prosthet Orthot Int** 1983 Aug;7(2):88–90

Life expectancy and social consequences of through-knee amputations. Steen Jensen J. **Prosthet Orthot Int** 1983 Aug; 7(2):113–5

A field evaluation of arm prostheses for unilateral amputees. van Lunteren A, et al. **Prosthet Orthot Int** 1983 Dec; 7(3):141–51

The amputee service. A review. Gottschalk FA. **S Afr J Surg** 1983 Sep;21(3):189–92

Thigh muscle atrophy in below-knee amputees. Renström P, et al. **Scand J Rehabil Med [Suppl]** 1983;9:150–62

Thigh muscle strength in below-knee amputees. Renström P, et al. **Scand J Rehabil Med [Suppl]** 1983;9:163–73

[Current clinical possibilities of gait measurements, application to amputees] Michaut E, et al. **Acta Belg Med Phys** 1983 Oct–Dec;6(4):157–60 (Eng. Abstr.) **(Fre)**

[The disability of the aged amputee] Vaucher J. **Rev Med Suisse Romande** 1983 Sep;103(9):795–8 **(Fre)**

PSYCHOLOGY

Living with an amputation: the patient. Thompson DM, et al. **Int Rehabil Med** 1983;5(4):165–9

Group therapy for amputees in a ward setting. Howard DL. **Milit Med** 1983 Aug;148(8):678–80

Coping with the loss of a leg. Furst L, et al. **Prosthet Orthot Int** 1983 Dec;7(3):152–6

New trends in the rehabilitation of lower extremity amputees. Goldberg RT. **Rehabil Lit** 1984 Jan–Feb;45(1–2):2–11

AMPYRONE see under **ANTIPYRINE**

AMYGDALA see **AMYGDALOID BODY**

AMYGDALIN

The whys of cancer quackery. Lerner IJ. **Cancer** 1984 Feb 1;53(3 Suppl):815–9

Newspaper coverage of laetrile clinical trials results. Denniston RW, et al. **Prog Clin Biol Res** 1983;130:193–200

Laetrile: the regulatory challenge of an unproven remedy. Nightingale SL. **Public Health Rep** 1984 Jul–Aug; 99(4):333–8

ANALYSIS

Determination of amygdalin and cyanide in industrial food samples using enzymic methods. Mandenius CF, et al. **Acta Chem Scand [B]** 1983;37(8):739–42

Preparative and analytical separation of amygdalin and related compounds in injectables and tablets by reversed-phase HPLC and the effect of temperature on the separation. Smith DJ, et al. **J Chromatogr Sci** 1984 Mar; 22(3):94–8

METABOLISM

High-dose ascorbic acid decreases detoxification of cyanide derived from amygdalin (laetrile): studies in guinea pigs. Basu TK. **Can J Physiol Pharmacol** 1983 Nov; 61(11):1426–30

THERAPEUTIC USE

The story of 'Joseph M.'—mass media against 'medical bureaucracy'. Fuks Z, et al. **Public Health Rep** 1984 Jul–Aug;99(4):338–42

[Laetril and cancer--a new era or illusion?] Michaeli J, et al. **Harefuah** 1983 Jan 2;104(1):33-4 **(Heb)**

AMYGDALOID BODY

ANALYSIS

Asymmetric dopamine and serotonin metabolism in nigrostriatal and limbic structures of the trained circling rat. Yamamoto BK, et al. **Brain Res** 1984 Apr 9; 297(1):115-9

Localization and characterization of vasopressin-binding sites in the amygdala of the rat brain. Dorsa DM, et al. **J Neurosci** 1984 Jul;4(7):1764-70

Benzodiazepine receptors: localization in rat amygdala. Niehoff DL, et al. **J Neurosci** 1983 Oct;3(10):2091-7

Opioid peptide-like immunoreactivity localized in GABAergic neurons of rat neostriatum and central amygdaloid nucleus. Oertel WH, et al. **Life Sci** 1983;33 Suppl 1:73-6

Limitation of access to highly palatable foods increases the norepinephrine content of many discrete hypothalamic and amygdaloidal nuclei of rat brain. Savard P, et al. **Life Sci** 1983 Dec 19;33(25):2513-9

Increased concentrations and lateral asymmetry of amygdala dopamine in schizophrenia. Reynolds GP. **Nature** 1983 Oct 6-12;305(5934):527-9

Organization and interrelationship of neuropeptides in the central amygdaloid nucleus of the rat. Wray S, et al. **Peptides (Fayetteville)** 1983 Jul-Aug;4(4):525-41

ANATOMY & HISTOLOGY

Distribution and origins of neurotensin-containing fibers in the nucleus ventromedialis hypothalami of the rat: an experimental immunohistochemical study. Inagaki S, et al. **Brain Res** 1983 Aug 29;273(2):229-35

Direct amygdaloid projections to the dorsal motor nucleus of the vagus nerve: a light and electron microscopic study in the rat. Takeuchi Y, et al. **Brain Res** 1983 Nov 28; 280(1):143-7

Phaseolus vulgaris leuco-agglutinin immunohistochemistry. A comparison between autoradiographic and lectin tracing of neuronal efferents. Ter Horst GJ, et al. **Brain Res** 1984 Jul 30;307(1-2):379-83

The organization of projections from the central nucleus of the amygdala to brainstem sites involved in central autonomic regulation: a combined retrograde transport-immunohistochemical study. Veening JG, et al. **Brain Res** 1984 Jun 15;303(2):337-57

Afferent connections to the bed nucleus of the stria terminalis. Weller KL, et al. **Brain Res** 1982 Jan 28; 232(2):255-70

Projections from the parvocellular part of the posteromedial ventral nucleus of the thalamus to the lateral amygdaloid nucleus in the cat. Yasui Y, et al. **Brain Res** 1984 Jan 30; 292(1):151-5

Male-female differences in the intra-amygdaloid input to the medial amygdala. Nishizuka M, et al. **Exp Brain Res** 1983; 52(3):328-32

Afferent connections to cardiovascular sites in the amygdala: a horseradish peroxidase study in the cat. Cechetto DF, et al. **J Auton Nerv Syst** 1983 Jun;8(2):97-110

Collateral innervation of the medial and lateral prefrontal cortex by amygdaloid, thalamic, and brain-stem neurons. Sarter M, et al. **J Comp Neurol** 1984 Apr 10;224(3):445-60

The architecture and some of the interconnections of the rat's amygdala and lateral periallocortex. Turner BH, et al. **J Comp Neurol** 1984 Aug 20;227(4):540-57

The organization of projections from the cortex, amygdala, and hypothalamus to the nucleus of the solitary tract in rat. van der Kooy D, et al. **J Comp Neurol** 1984 Mar 20; 224(1):1-24

Evidence that efferents from the basolateral amygdala innervate the dorsolateral neostriatum in rats. Fass B, et al. **Neurosci Lett** 1984 Jan 27;44(1):71-5

The volume of the toad medial amygdala-anterior preoptic complex is sexually dimorphic and seasonally variable. Takami S, et al. **Neurosci Lett** 1984 Feb 24;44(3):253-8

[Neuronal populations in the posterior group of thalamic nuclei projecting into the amygdaloid complex and auditory cortex in the cat] Maiskii VA, et al. **Neirofiziologiia** 1984;16(2):213-24 (Eng. Abstr.) **(Rus)**

[Individual variability of the volume of the amygdaloid body in the human brain] Zvorykin VP. **Zh Nevropatol Psikhiatr** 1984;84(7):966-9 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Time of neuron origin in the amygdaloid complex of the mouse. McConnell J, et al. **Brain Res** 1983 Aug 1; 272(1):150-6

Neuronal types in the basolateral amygdaloid nuclei of man. Braak H, et al. **Brain Res Bull** 1983 Sep;11(3):349-65

Neuronal configurations in lateral and basolateral amygdala. Millhouse OE, et al. **Neuroscience** 1983 Dec;10(4):1269-300

The morphology of somatostatin-immunoreactive neurons in the lateral nucleus of the rat amygdala. Gray TS. **Peptides (Fayetteville)** 1983 Sep-Oct;4(5):663-8

DRUG EFFECTS

Attenuation of epileptogenesis: proactive effect of a single epinephrine injection of amygdaloid kindling. Welsh KA, et al. **Behav Neural Biol** 1984 Mar;40(2):179-85

Reversible suppression of amygdaloid kindled convulsion following unilateral gabaculine injection into the substantia innominata. Okamoto M, et al. **Brain Res** 1984 Jul 9; 305(2):389-92

The kindled amygdala model of epilepsy: anticonvulsant action of amino acid antagonists. Peterson DW, et al. **Brain Res** 1983 Sep 19;275(1):169-72

A partial agonist at the anticonvulsant benzodiazepine receptor: reversal of the anticonvulsant effects of Ro 15-1788 with CGS-8216. Robertson HA, et al. **Brain Res** 1984 Jan 23;291(2):388-90

Microinjection of vasopressin and two related peptides into the amygdala: enhancing effect on local dopamine neurotransmission. van Heuven-Nolsen D, et al. **Brain Res** 1984 Feb 13;293(1):191-5

Chemical kindling by muscarinic amygdaloid stimulation in the rat. Wasterlain CG, et al. **Brain Res** 1983 Jul 25; 271(2):311-23

Decreased sensitivity of neurons in the basolateral amygdala to dopamine and noradrenaline iontophoresis after a kindling stimulus. Spehlmann R, et al. **Exp Neurol** 1984 Jan;83(1):204-10

Modification of kindled amygdaloid seizures by opiate agonists and antagonists. Albertson TE, et al. **J Pharmacol Exp Ther** 1984 Mar;228(3):620-7

Intraamygdaloid morphine produces seizures and brain damage in rats. Turski WA, et al. **Life Sci** 1983;33 Suppl 1:615-8

Proconvulsant action of lindane compared at two different kindling sites in the rat--amygdala and hippocampus. Joy RM, et al. **Neurobehav Toxicol Teratol** 1983 Jul-Aug; 5(4):465-8

Neuronal sensitivity to opiate and opioid peptides in the bed nucleus of the stria terminalis. Effects of chronic treatment with morphine. Matsui H, et al. **Neuropharmacology** 1984 Jul;23(7A):755-62

Anticonvulsant effects of adenosine analogues on amygdaloid-kindled seizures in rats. Barraco RA, et al. **Neurosci Lett** 1984 May 18;46(3):317-22

A multidisciplinary study of folic acid neurotoxicity: interactions with kainate binding sites and relevance to the aetiology of epilepsy. Tremblay E, et al. **Neuroscience** 1984 Jun;12(2):569-89

Learned tolerance to the anticonvulsant effects of alcohol in rats. Pinel JP, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:507-10

Cholinergic effects on arousal and cocaine-induced olfactory-amygdala spindling and seizures in cats. Castellani S, et al. **Physiol Behav** 1983 Oct;31(4):461-6

[Effects of kainic acid injection into the substantia nigra on the paroxysmal amygdaloid phenomena] Crescimanno G, et al. **Boll Soc Ital Biol Sper** 1984 Feb 28;60(2):369-74 (Eng. Abstr.) **(Ita)**

[Effects of bromazepam on responses of mucosal blood flow of the gastrointestinal tract and the gastric motility to stimulation of the amygdala and hypothalamus in conscious cats] Yajima T, et al. **Nippon Yakurigaku Zasshi** 1984 Mar; 83(3):237-48 (Eng. Abstr.) **(Jpn)**

[Rapid hippocampal kindling following intraamygdaloid injection of quisqualic acid in cats] Kaijima M, et al. **No To Shinkei** 1983 Jun;35(6):569-74 (Eng. Abstr.) **(Jpn)**

[Anticonvulsant effect of a novel TRH analog (DN-1417) on amygdaloid kindled seizure II; comparison with TRH tytrate] Morimoto K, et al. **No To Shinkei** 1983 May; 35(5):501-4 (Eng. Abstr.) **(Jpn)**

[Effect of monoamines microinjected into the amygdaloid nucleus on the lateral hypothalamic self-stimulation response] Melikov EM, et al. **Zh Vyssh Nerv Deiat** 1983 Nov-Dec;33(6):1092-7 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Effect of L-dopa on glutamate decarboxylase activity in the hypothalamic and amygdaloid nuclei. Itoh M, et al. **J Pharm Pharmacol** 1984 May;36(5):336-7

Developmental patterns of tyrosine hydroxylase activity in discrete central nervous system regions and serum LH and prolactin in the prepubertal rat. Jimenez AE, et al. **Neuroendocrinology** 1984 Feb;38(2):134-8

Changes in neurotransmitter metabolism following olfactory bulbectomy in the rat. Jancsàr SM, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(2):263-9

GROWTH & DEVELOPMENT

Changes in concentrations of estradiol nuclear receptors in the preoptic area, medial basal hypothalamus, amygdala, and pituitary gland of middle-aged and old cycling rats. Wise PM, et al. **Endocrinology** 1984 Jan;114(1):92-8

IMMUNOLOGY

Vasopressin-immunoreactive cells in the dorsomedial hypothalamic region, medial amygdaloid nucleus and locus coeruleus of the rat. Caffé AR, et al. **Cell Tissue Res** 1983; 233(1):23-33

METABOLISM

Kainic acid seizure syndrome and binding sites in developing rats. Ben-Ari Y, et al. **Brain Res** 1984 Jun;316(2):284-8

Binding of [3H]flunitrazepam and [3H]Ro5-4864 to crude homogenates of amygdala-kindled rat brain: two months post-seizure. Burnham WM, et al. **Brain Res** 1983 Nov 21;279(1-2):359-62

'In situ' release of dopamine in the nucleus amygdaloideus centralis. Charriere B, et al. **Brain Res** 1983 Jul 25; 271(2):386-7

Distribution of pro-opiomelanocortin-derived peptides and enkephalins in the rat central nucleus of the amygdala. Gray TS, et al. **Brain Res** 1984 Jul 23;306(1-2):354-8

Multiple benzodiazepine receptors: autoradiographic localization in normal human amygdala. Niehoff DL, et al. **Brain Res** 1983 Oct 16;276(2):237-45

Increased phosphorylation of a membrane protein consequent to amygdaloid kindling. Patel J, et al. **J Neurochem** 1984 Jul;43(1):169-73

Sulfhydryl groups in receptor binding of thyrotropin-releasing hormone to rat amygdala. Sharif NA, et al. **J Neurochem** 1984 Jan;42(1):209-14

Biochemical similarity of rat pituitary and CNS TRH receptors. Sharif NA, et al. **Neurosci Lett** 1983 Aug 19; 39(1):57-63

Benzodiazepines compete for thyrotropin-releasing hormone receptor binding: micromolar potency in rat pituitary, retina and amygdala. Sharif NA, et al. **Neurosci Lett** 1983 Nov 11;41(3):301-6

Short- and long-term influences of neonatal sex steroids on alpha-bungarotoxin binding capacity in the mouse amygdala. Arimatsu Y. **Neuroscience** 1983 Aug;9(4):873-7

PATHOLOGY

[Alveolar hypoventilation during sleep in pharyngeal obstruction caused by lymphoid hypertrophy in children] Messer J, et al. **Arch Fr Pediatr** 1984 May;41(5):333-6 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Units in the amygdala responding to activation of carotid baro- and chemoreceptors. Cechetto DF, et al. **Am J Physiol** 1984 May;246(5 Pt 2):R832-6

Modifications induced on the amygdaloid paroxysmal activity by entopeduncolar or nigral injection of kainic acid, in the cat. Crescimanno G, et al. **Arch Int Physiol Biochim** 1983 Dec;91(5):399-404

Pathways conducting amygdaloid influence on feminine sexual behavior in the rat. Mascó DH, et al. **Behav Brain Res** 1984 Mar;11(3):205-12

Food-motivated behavior in rats with cortico-basomedial amygdala damage. Lukaszewska I, et al. **Behav Neurosci** 1984 Jun;98(3):441-51

Subcortical influences upon prefrontal cortex of the cat. Canedo A. **Brain Res** 1982 Jan 28;232(2):449-54

Kindling in the cortical nucleus of the amygdala. Gilbert ME, et al. **Brain Res** 1984 Mar 19;295(2):360-3

Amygdala and pyriform cortex kindling in vasopressin deficient rats (Brattleboro strain). Gillis BJ, et al. **Brain Res** 1983 Jul 25;271(2):375-8

State-dependent alteration of respiratory cycle timing by stimulation of the central nucleus of the amygdala. Harper RM, et al. **Brain Res** 1984 Jul 23;306(1-2):1-8

Arginine-vasopressin content of hippocampus and amygdala during passive avoidance behavior in rats. Laczi F, et al. **Brain Res** 1983 Dec 5;280(2):309-15

Lesions of the stria terminalis attenuate the amnestic effect of amygdaloid stimulation on avoidance responses. Liang KC, et al. **Brain Res** 1983 Sep 12;274(2):309-18

Amygdaloid and cortical facilitation or inhibition of trigeminal motoneurons in the rat. Ohta M. **Brain Res** 1984 Jan 16;291(1):39-48

Brain stimulation reward and dopamine terminal fields. I. Caudate-putamen, nucleus accumbens and amygdala. Prado-Alcalá R, et al. **Brain Res** 1984 Apr 16;297(2):265-73

Limbic influence on the periaqueductal gray: a single unit study in the awake squirrel monkey. Sandrew BB, et al. **Brain Res** 1984 Jun 11;303(1):77-86

Activating endogenous opioid systems by electroconvulsive shock or footshock stress inhibits recurrent kindled seizures in rats. Shavit Y, et al. **Brain Res** 1984 Jul 9;305(2):203-7

Amygdaloid complex modulates neurotransmission from the entorhinal cortex to the dentate gyrus of the rat. Thomas SR, et al. **Brain Res** 1984 Jul 30;307(1-2):363-5

Amygdaloid neuronal responses to complex visual stimuli in an operant feeding situation in the monkey. Ono T, et al. **Brain Res Bull** 1983 Nov;11(5):515-8

Electroconvulsive seizures inhibit amygdala kindling: implications for mechanisms of action in affective illness. Post RM, et al. **Epilepsia** 1984 Apr;25(2):234-9

Changes in subcortical visual and auditory evoked potentials following amygdaloid kindling in cats. Tsuru N, et al. **Epilepsia** 1984 Jun;25(3):288-91

Studies on gustatory responses of amygdaloid neurons in rats. Azuma S, et al. **Exp Brain Res** 1984;56(1):12-22

Functional relations between the cortical gustatory area and the amygdala: electrophysiological and behavioral studies in rats. Yamamoto T, et al. **Exp Brain Res** 1984;56(1):23-31

Are the amygdaloid projections to the hypothalamic ventromedial nucleus involved in estrous rhythm regulation in the female rat? Chateau D, et al. **Exp Clin Endocrinol** 1984 May;83(3):303-9

Increase of FSH secretion in immature female rats following

lesioning of the medial amygdaloid nucleus. Döcke F, et al. **Exp Clin Endocrinol** 1983 Nov;82(3):384–7
Adenosine modulation of amygdala kindling. Dragunow M, et al. **Exp Neurol** 1984 Jun;84(3):654–65
Sleep states attenuate the pressor response to central amygdala stimulation. Frysinger RC, et al. **Exp Neurol** 1984 Mar;83(3):604–17
Role of the amygdala in development of hippocampal kindling in the rat. Le Gal La Salle G, et al. **Exp Neurol** 1983 Nov;82(2):447–55
Evolution of wet dog shakes during kindling in rats: comparison between hippocampal and amygdala kindling. Lerner-Natoli M, et al. **Exp Neurol** 1984 Jan;83(1):1–12
Long-term reduction in beta-adrenergic receptor binding after amygdala kindling in rats. McIntyre DC, et al. **Exp Neurol** 1983 Oct;82(1):17–24
Electrical brain activity and cardiovascular function during amygdaloid kindling in the dog. Thompson ME, et al. **Exp Neurol** 1983 Dec;82(3):505–20
Baroreceptor reflex during arousal induced by electrical stimulation of the amygdala or by natural stimuli. Schlör KH, et al. **J Auton Nerv Syst** 1984 Apr;10(2):157–65
Projections of the amygdala to the thalamus in the cynomolgus monkey. Aggleton JP, et al. **J Comp Neurol** 1984 Jan 1;222(1):56–68
Neuronal organization of the lateral and basolateral amygdaloid nuclei in the rat. McDonald AJ. **J Comp Neurol** 1984 Feb 1;222(4):589–606
Hyperprolactinaemia abolishes sensitivity of stria terminalis neurones to testosterone. Kendrick KM, et al. **J Endocrinol** 1984 Jul;102(1):109–13
Effect of amygdalectomy on sensomotor cortical evoked potentials in cats. Kamenskaya VG, et al. **Neurosci Behav Physiol** 1983 Mar-Apr;13(2):108–13
Positive and inhibitory conditioned reflexes to electrical stimulation of the amygdala. Kolotygina RF, et al. **Neurosci Behav Physiol** 1983 Jul-Aug;13(4):238–40
Homogeneous (food) conditioned reflex switching in rats after simultaneous injury to the hippocampus and amygdala. Pigareva ML. **Neurosci Behav Physiol** 1983 Jan-Feb;13(1):34–40
Memory consolidation: brain region and neurotransmitter specificity. Kesner RP, et al. **Neurosci Lett** 1983 Sep 9; 39(3):295–300
Metabolic influence of the hippocampus on hypothalamus, preoptic and basal forebrain is exerted through amygdalofugal pathways. Poletti CE, et al. **Neurosci Lett** 1984 Mar 23;45(2):211–6
Amygdalostriatal projections in the rat. Topographical organization and fiber morphology shown using the lectin PHA-L as an anterograde tracer. Russchen FT, et al. **Neurosci Lett** 1984 Jun 1;47(1):15–22
Somatostatinergic projections from the central nucleus of the amygdala to the vagal nuclei. Higgins GA, et al. **Peptides (Fayetteville)** 1983 Sep-Oct;4(5):657–62
Tolerance to amphetamine-induced inhibition of neuronal activity in the central amygdaloid nucleus. Rebec GV, et al. **Pharmacol Biochem Behav** 1983 Aug;19(2):219–23
Autonomic and somatomotor effects of amygdala central N. stimulation in awake rabbits. Applegate CD, et al. **Physiol Behav** 1983 Sep;31(3):353–60
Cholinergic activation of medial preoptic area by amygdala for ovulation in rat. Bagga N, et al. **Physiol Behav** 1984 Jan;32(1):45–8
Lesions of the medial preoptic area prevent the facilitation of maternal behavior produced by amygdala lesions. Fleming AS, et al. **Physiol Behav** 1983 Oct;31(4):503–10
Role of the amygdala in the reproductive and aggressive behavior of the lizard, Anolis carolinensis. Greenberg N, et al. **Physiol Behav** 1984 Jan;32(1):147–51
Taming in wild rats following medial amygdaloid lesions. Kemble ED, et al. **Physiol Behav** 1984 Jan;32(1):131–4
Influences of bilateral hippocampal lesions upon kindled amygdaloid convulsive seizure in rats. Yoshida K. **Physiol Behav** 1984 Jan;32(1):123–6
Corticomedial amygdala lesions, behavior, corticosterone, and prolactin: unexpected separation of effects. Seggie J. **Psychiatry Res** 1983 Oct;10(2):139–50
Amnesia induced by stimulation of the amygdala is attenuated by hexamethonium. Martinez JL Jr, et al. **Psychopharmacology (Berlin)** 1983;81(4):310–4
[Amygdalo-hypothalamic effects on regulation of the motor and evacuatory function of the digestive tract] Dobrovol'skaia ZA, et al. **Fiziol Zh** 1983 Sep-Oct; 29(5):571–5 **(Rus)**
[Reaction of neurons in the cat amygdaloid complex to peripheral stimuli] Gonchar IuA. **Fiziol Zh** 1983 Nov-Dec; 29(6):731–4 **(Rus)**
[Effect of destruction of the corticomedial area of the amygdaloid body on the ovaries and uterus during their sympathetic and parasympathetic denervation] Tkachuk SS. **Fiziol Zh** 1983 Jul-Aug;29(4):467–70 **(Rus)**
[Neuronal background pulse activity of the rostral and caudal portions of the periamygdala cortex] Beller NN, et al. **Fiziol Zh SSSR** 1983 Dec;69(12):1537–42 (Eng. Abstr.) **(Rus)**
[Efferent sympathetic activity after stimulation of the amygdaloid nuclei of the rat brain] Chepurnova NE, et al. **Fiziol Zh SSSR** 1984 Apr;70(4):405–10 (Eng. Abstr.) **(Rus)**
[Effect of destruction of the basolateral nuclei of the amygdala of the rat on the nature of amygdalo-thalamic interaction] Sidorov BM. **Fiziol Zh SSSR** 1984 Mar; 70(3):365–7 **(Rus)**
[Effect of the destruction of the basolateral nuclei of the amygdala on the character of the electrical activity of the dorsomedial nucleus of the rat thalamus] Sidorov BM, et al. **Neirofiziologiia** 1983;15(6):596–603 (Eng. Abstr.) **(Rus)**
[Coherent functions of the electrical activity of the hippocampus, amygdala and frontal cortex during alimentary instrumental reflexes in the dog] Aleksanov SN. **Zh Vyssh Nerv Deiat** 1983 Jul-Aug;33(4):694–9 (Eng. Abstr.) **(Rus)**
[Effect of electric stimulation of different portions of the amygdala on the formation of alimentary conditioned reflexes in the dog] Danilova LK. **Zh Vyssh Nerv Deiat** 1984 May-Jun;34(3):451–8 (Eng. Abstr.) **(Rus)**
[Features of the performance of alimentary, acid and instrumental defensive reflexes in dogs following destruction of the amygdala] Danilova LK, et al. **Zh Vyssh Nerv Deiat** 1983 Sep-Oct;33(5):949–51 **(Rus)**
[Morphologic analysis of the consequences of simultaneous lesioning of the hippocampus and amygdala in the rat] Pigareva ML, et al. **Zh Vyssh Nerv Deiat** 1983 Jul-Aug; 33(4):662–70 (Eng. Abstr.) **(Rus)**
[Reproduction in the cat of conditioned evoked potentials during amygdalar stimulation timed to coincide with reinforcement] Razumnikova OM. **Zh Vyssh Nerv Deiat** 1983 Jul-Aug;33(4):764–6 **(Rus)**
[Coordinated activity of limbic structures in the organization of behavioral responses] Shalkovskaia LN. **Zh Vyssh Nerv Deiat** 1983 Sep-Oct;33(5):955–6 **(Rus)**
[Interaction of afferent inputs from structures of the amygdalar complex at the level of the dorsomedial nucleus of the thalamus in the rat] Sidorov BM, et al. **Zh Vyssh Nerv Deiat** 1983 Jul-Aug;33(4):723–31 (Eng. Abstr.) **(Rus)**
[Effect of lesions of the cerebral amygdaloid complex on basal and dexamethasone-induced corticosterone secretion] Montilla P, et al. **Arch Neurobiol (Madr)** 1983 Sep-Oct; 46(5):317–26 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Central amygdaloid nucleus lesion attenuates exaggerated hemodynamic responses to noise stress in the spontaneously hypertensive rat. Galeno TM, et al. **Brain Res** 1984 Jan 23;291(2):249–59
Unit-activity in the central amygdalar nucleus of rats in response to immobilization—stress. Henke PG. **Brain Res Bull** 1983 Jun;10(6):833–7
Anticonvulsant action of fluzinamide (AHR-8559) on kindled amygdaloid seizures. Albertson TE, et al. **Epilepsia** 1984 Aug;25(4):511–7
Changes in hippocampal immunoreactive dynorphin and neoendorphin content following intra-amygdalar kainic acid-induced seizures. Lason W, et al. **Neuropeptides** 1983 Jul;3(5):399–404
Caffeine modification of kindled amygdaloid seizures. Albertson TE, et al. **Pharmacol Biochem Behav** 1983 Aug; 19(2):339–43
Cataleptogenic potency of the antipsychotic drugs is inversely correlated with neuronal activity in the amygdaloid complex of the rat. Rebec GV, et al. **Pharmacol Biochem Behav** 1983 Nov;19(5):759–63
Opioid peptides, particularly dynorphin, after amygdaloid-kindled seizures. Przewłocki R, et al. **Regul Pept** 1983 Aug;6(4):385–92
Organization of the amygdala with special reference to various pathological syndromes. Ben-Ari Y, et al. **Scand J Psychol** 1982;Suppl 1:26–36
[Functional relations among structures of the hypothalamo-amygdalar complex of the brain in experimental neurosis] San'kov AN. **Zh Vyssh Nerv Deiat** 1983 Sep-Oct;33(5):967–9 **(Rus)**
[Role of the cerebral amygdaloid complex in the plasma corticosterone response to ether inhalation stress] Varo A, et al. **Arch Neurobiol (Madr)** 1983 Nov-Dec;46(6):385–94 (Eng. Abstr.) **(Spa)**

SURGERY

The role of stereotactic amygdalotomy in the treatment of temporal lobe epilepsy associated with behavioral disorders. Hood TW, et al. **Appl Neurophysiol** 1983; 46(1-4):19–25

ULTRASTRUCTURE

Regional difference in sexually dimorphic synaptic organization of the medial amygdala. Nishizuka M, et al. **Exp Brain Res** 1983;49(3):462–5
The distribution and ultrastructure of VIP-immunoreactivity in the central nucleus of the rat amygdala. Gray TS, et al. **Neuroscience** 1984 Feb;11(2):399–408

AMYGDALOSIDE see **AMYGDALIN**

AMYL NITRITE

ADMINISTRATION & DOSAGE

Pulsus alternans. Its response to amyl nitrite inhalation. Cheng TO, et al. **Angiology** 1984 Feb;35(2):115–21

DIAGNOSTIC USE

Significant coronary artery disease detected by amyl nitrite and systolic time intervals. Mitake H, et al. **Am J Cardiol** 1984 Jul 1;54(1):79–83

IMMUNOLOGY

Cellular immunotoxicity of amyl nitrite. Jacobs RF, et al. **J Toxicol Clin Toxicol** 1983 Jul;20(5):421–49

AMYLASES

ADMINISTRATION & DOSAGE

[Use of terrilytin aerosols inhalations in the combined treatment of bronchitis and pneumonia patients] Pilipchuk VN. **Vrach Delo** 1984 Feb;(2):21–2 (Eng. Abstr.) **(Rus)**

ANALYSIS

Low pleural fluid amylase associated with spontaneous rupture of the esophagus. Rudin JS, et al. **Arch Intern Med** 1983 May;143(5):1034–5
An amylase-containing subdiaphragmatic bronchopulmonary sequestration. Morris SJ. **Aust NZ J Surg** 1983 Oct; 53(5):487–90
Proteochemical, immunological and enzymatic properties of two amylase components from human pancreatic juice. Matsuura K, et al. **Clin Biochem** 1983 Aug;16(4):224–8
Automated measurement of amylase isoenzymes with 4-nitrophenyl-maltoheptaoside as substrate and use of a selective amylase inhibitor. Okabe H, et al. **Clin Chem** 1984 Jul;30(7):1219–22
Identification of unique macroamylase with abnormally low affinity for macromolecular substrate by short-chain amylose assay methods. Adachi K, et al. **Clin Chim Acta** 1984 Mar 27;138(1):105–9
Identification of amylase isoenzymes in intestinal contents. Banks PA, et al. **Dig Dis Sci** 1984 Apr;29(4):297–9
Concentration of amylase along its secretory pathway in the pancreatic acinar cell as revealed by high resolution immunocytochemistry. Bendayan M. **Histochem J** 1984 Jan;16(1):85–108
Immunohistochemical demonstration of ribonuclease and amylase in normal and neoplastic parotid glands. Morley DJ, et al. **Hum Pathol** 1983 Nov;14(11):969–73
Studies of the effects of radiation or surgery on the salivary amylase activity and the isoamylase composition in salivary gland tumours. Sirsat AV, et al. **Indian J Cancer** 1983 May-Jun;20(2):109–112
Interaction of native and SH-modified beta-amylase of soybean with cyclohexadextrin and maltose. Mikami B, et al. **J Biochem (Tokyo)** 1983 Jul;94(1):107–13
Radioimmunoassay of human salivary amylase: cross-reactivity with human and porcine pancreatic amylase and other salivary proteins. Agarwal RP, et al. **Metabolism** 1984 Sep;33(9):797–807
[The value of estimation of serum pancreatic elastase in experimental pancreatic disorders in rats] Tei Y, et al. **Nippon Geka Gakkai Zasshi** 1983 Dec;84(12):1279–85 (Eng. Abstr.) **(Jpn)**
[Isoenzymes as a tumor marker] Sugita O. **Rinsho Byori** 1983 Dec;31(12):1277–85 (33 ref.) **(Jpn)**
[Errors in the diagnosis of acute pancreatitis by means of puncture of the abdominal cavity] Lashchevker VM. **Vestn Khir** 1984 Feb;132(2):109–10 (Eng. Abstr.) **(Rus)**
[Value of the various pancreatic enzymes in the diagnosis of acute pancreatitis] Navarro Colàs S. **Med Clin (Barc)** 1984 May 26;82(20):893–5 **(Spa)**
[Amylase-creatinine ratio in the diagnosis of acute pancreatic and biliary pathology] Parodi HC, et al. **Medicina (B Aires)** 1983;43(4):375–82 (Eng. Abstr.) **(Spa)**

ANTAGONISTS & INHIBITORS

Superoxol and amylase inhibition tests for distinguishing gonococcal and nongonococcal cultures growing on selective media. Arko RJ, et al. **J Clin Microbiol** 1984 Jul; 20(1):1–4

BIOSYNTHESIS

Amylase production by three Lactobacillus strains isolated from chicken crop. Champ M, et al. **J Appl Bacteriol** 1983 Dec;55(3):487–93
[Adaptation to diet of mRNA coding for pancreatic amylase and serine proteases in the rat] Wicker C, et al. **C R Seances Acad Sci [III]** 1983;297(6):281–4 (Eng. Abstr.) **(Fre)**

BLOOD

Plasma amylase activity as a biochemical indicator of radiation injury to salivary glands. Becciolini A, et al. **Acta Radiol [Oncol]** 1984;23(1):9–14
Cystic fibrosis serum pancreatic amylase. Useful discriminator of exocrine function. Gillard BK, et al. **Am J Dis Child** 1984 Jun;138(6):577–80
Hyperamylasemia after cardiopulmonary bypass. Missavage AE, et al. **Am Surg** 1984 Jun;50(6):297–300
Acute alcohol intoxication: significance of the amylase level. Bloch RS, et al. **Ann Emerg Med** 1983 May;12(5):294–6
Reversible cholestatic jaundice and hyperamylasaemia associated with captopril treatment. Zimran A, et al.

Br Med J [Clin Res] 1983 Dec 3;287(6406):1676

Prednisone treatment alters the serum amylase and lipase activities in normal dogs without causing pancreatitis. Fittschen C, et al. **Can J Comp Med** 1984 Apr;48(2):136–40

Anomalous results on using an inhibitor method for the determination of pancreatic isoenzymes [letter] Gordon S, et al. **Clin Chem** 1984 Feb;30(2):339–40

Screening for macroamylase in a community hospital. Isham CA, et al. **Clin Chem** 1984 May;30(5):741–2

A commercially available S-type amylase inhibitor evaluated for determination of amylase isoenzymes in serum. Tietz NW, et al. **Clin Chem** 1984 Jul;30(7):1227–8

A comparison of currently used serum lipase and amylase procedures in the serial detection of enzyme elevations in acute pancreatitis. Hathaway JA, et al. **Clin Chim Acta** 1983 Oct 14;133(3):327–30

Serum amylase during recovery from diabetic ketoacidosis. Kjaergaard JJ, et al. **Diabete Metab** 1984 Jan;10(1):25–30

Comparison of serum amylase pancreatic isoamylase and lipase in patients with hyperamylasemia. Kolars JC, et al. **Dig Dis Sci** 1984 Apr;29(4):289–93

Prevalence of normal serum amylase levels in patients with acute alcoholic pancreatitis. Spechler SJ, et al. **Dig Dis Sci** 1983 Oct;28(10):865–9

Comparative study of serum pancreatic isoamylase, lipase, and trypsin-like immunoreactivity in pancreatic disease. Ventrucci M, et al. **Digestion** 1983;28(2):114–21

Serum pancreatic enzyme alterations in acute viral hepatitis. Lechi A, et al. **Hepatogastroenterology** 1983 Dec; 30(6):233–5

A normal serum amylase despite thirteen episodes of pancreatitis. Talcott J. **Hosp Pract [Off]** 1984 Aug; 19(8):118–20

Serum salivary amylase and the irritable bowel syndrome. Kirby J, et al. **Ir J Med Sci** 1983 Oct;152(10):394–5

Inhibitory action of thyrotropin-releasing hormone on serum amylase activity and its mechanism. Komiya I, et al. **J Clin Endocrinol Metab** 1984 Jun;58(6):1059–63

Plasma amylase after parotid traumatization or duct ligation of male rats. Dean DH, et al. **J Oral Pathol** 1984 Feb; 13(1):69–74

Alcohol-induced salivary hyperamylasemia. Bloch RS, et al. **J Surg Res** 1984 Apr;36(4):389–94

Serum amylase and its isoenzymes: a clarification of their implications in trauma. Bouwman DL, et al. **J Trauma** 1984 Jul;24(7):573–8

Serum amylase and pancreatic duct reflux during operative cholangiography [letter] Thomas JM, et al. **Lancet** 1983 Dec 3;2(8362):1310

Serum amylase and isoamylases in malignant bone tumors. Mäsiar PJ. **Neoplasma** 1984;31(3):351–9

Amylase and isoamylase activities in serum of pregnant women. Strickland DM, et al. **Obstet Gynecol** 1984 Mar; 63(3):389–91

Correlation between serum concentrations of three specific exocrine pancreatic proteins and pancreatic duct morphology at ERCP examinations. Borgström A, et al. **Scand J Gastroenterol** 1984 Mar;19(2):220–7

The effect of graded doses of secretin on serum trypsin, serum pancreatic amylase, serum insulin, plasma somatostatin, and plasma pancreatic polypeptide in man. Florholmen J, et al. **Scand J Gastroenterol** 1984 Jan;19(1):24–30

[Serum amylase, lipase and trypsin after retrograde cholangiopancreatography (letter)] Lesi C, et al. **Gastroenterol Clin Biol** 1984 Feb;8(2):196–8 **(Fre)**

[Effect of somatostatin on amylase level and pancreatitis rate following ERCP] Börsch G, et al. **Med Welt** 1984 Jan 27; 35(4):109–12 **(Ger)**

[Alcoholic pancreatitis with special reference to clinical course, diagnosis and differential diagnosis] Ammann RW. **Schweiz Rundsch Med Prax** 1984 May 1;73(18):573–7 (Eng. Abstr.) **(Ger)**

[Carcinoembryonic antigen (CEA), serum amylase and pancreozymin-secretin test in relation to stages of pancreatic cancer] Kozu T, et al. **Gan No Rinsho** 1983 Aug; 29(10):1104–10 (Eng. Abstr.) **(Jpn)**

[The mechanisms of hyperamylasemia in liver cirrhosis] Oda H. **Nippon Shokakibyo Gakkai Zasshi** 1984 Mar; 81(3):886–95 (Eng. Abstr.) **(Jpn)**

[Serum pancreatic secretory trypsin inhibitor (PSTI), amylase activity and pancreatic isoamylase activity in pancreatic diseases] Suehiro I, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Apr;81(4):1044–9 (Eng. Abstr.) **(Jpn)**

[Clinical significance of the panic values in emergency laboratory tests—serum amylases] Mizuta W. **Rinsho Byori** 1983 Dec;31 Suppl:160–3 **(Jpn)**

[Hyperamylasemia of unknown origin—a possible role of pulmonary amylase] Otsuki M. **Rinsho Byori** 1984 Apr; 32(4):349–56 **(Jpn)**

[Methods of serum enzyme determination and its clinical significance: amylase inhibitors—with special reference to their application in the quantitative analysis of amylase isoenzymes in the human body fluids] Takagi Y, et al. **Rinsho Byori** 1983 Jun;Suppl 55:61–8 **(Jpn)**

[A study of lipase, amylase and isoamylase in acute pancreatitis] Neovius G, et al. **Lakartidningen** 1984 Jun 20; 81(25):2514–6 **(Swe)**

GENETICS

Genetic variation in restriction patterns among mouse amylase gene complexes. Thomsen KK, et al. **Biochem Genet** 1984 Apr;22(3–4):257–73

Regulation of amylase messenger RNA concentration in rat pancreas by food content. Giorgi D, et al. **EMBO J** 1984 Jul;3(7):1521–4

Dietary regulation of levels of active mRNA coding for amylase and serine protease zymogens in the rat pancreas. Wicker C, et al. **Eur J Biochem** 1984 Mar 1;139(2):381–7

High-resolution chromosomal localization of human genes for amylase, proopiomelanocortin, somatostatin, and a DNA fragment (D3S1) by in situ hybridization. Zabel BU, et al. **Proc Natl Acad Sci USA** 1983 Nov;80(22):6932–6

[Genetic transformation to thermophily in bacilli] Valerianov Ts, et al. **Acta Microbiol Bulg** 1984;14:16–21 (Eng. Abstr.) **(Bul)**

[Familial occurrence of the reduced activity of the pancreas correlated with amylase isoenzyme in the serum] Jørgensen HR, et al. **Ugeskr Laeger** 1984 Feb 27;146(9):657–9 (Eng. Abstr.) **(Dan)**

[Activity of genetic amylase systems and the growth of animals] Chernova GV. **Tsitol Genet** 1984 May–Jun; 18(3):212–8 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Multiple forms of amylase in leaf extracts: electrophoretic transfer of the enzyme forms into amylose-containing polyacrylamide gels. Steup M, et al. **Anal Biochem** 1983 Oct 1;134(1):96–100

Efficiency of a smooth desorption procedure for the purification of barley beta-amylase using immunoaffinity chromatography. Bureau D, et al. **Biochimie** 1983 Jun; 65(6):361–5

Amylase from human serous ovarian tumors: purification and characterization. Zakowski JJ, et al. **Clin Chem** 1984 Jan; 30(1):62–8

The occurrence of beta-amylase in Entamoeba histolytica. Werries E, et al. **Mol Biochem Parasitol** 1984 Apr;11:329–36

METABOLISM

Partial purification and properties of thermostable intracellular amylases from a thermophilic Bacillus sp. AK-2. Srivastava RA, et al. **Acta Microbiol Pol** 1984; 33(1):57–66

Development of pancreatic hydrolases in inbred mice. de Caboteau LI, et al. **Acta Physiol Lat Am** 1983;33(2):117–20

In vitro effects of a beer-foam stabilizer on the activities of three pancreatic hydrolases. Uwaifo AO. **Afr J Med Med Sci** 1983 Sep–Dec;12(3–4):183–6

Transport to the bloodstream of amylase following retrograde infusion of amylase into the parotid glands in the rat. Ikeno T, et al. **Arch Oral Biol** 1984;29(8):587–9

Changes in content and secretion of pancreatic enzymes in the obese Zucker rat. Bruzzone R, et al. **Biochem J** 1984 Apr 1;219(1):333–6

The effect of heat on the intestinal and pancreatic levels of amylase and maltase of laying hens and broilers. Osman AM, et al. **Comp Biochem Physiol [A]** 1983;75(4):563–7

Synergistic effect of A23187 and a phorbol ester on amylase secretion from rabbit pancreatic acini. de Pont JJ, et al. **FEBS Lett** 1984 May 7;170(1):64–8

In vitro and in vivo effect of proglumide on cholecystokinin-stimulated amylase release in mouse pancreatic acini. Iwamoto Y, et al. **Gastroenterol Jpn** 1984 Feb;19(1):53–8

Salivary volume and amylase activity. I: Relaxation versus relaxed chewing. Morse DR, et al. **J Am Soc Psychosom Dent Med** 1983;30(3):85–96

Continuous production of maltooligosaccharides from glucose 1-phosphate by amylase-phosphorylase reactor. Nakatani H, et al. **J Appl Biochem** 1983 Dec;5(6):371–4

Effects of repeated exposure to isoproterenol in vivo and in vitro on amylase release from rat parotid tissue. Ohshika H, et al. **Jpn J Pharmacol** 1984 Feb;34(2):183–9

Inhibitory effect of carbachol on isoproterenol-induced amylase release from isolated rat parotid cells. Takemura H. **Jpn J Pharmacol** 1984 May;35(1):9–17

Amylase in the saliva and in the gastric aspirates of premature infants: its potential role in glucose polymer hydrolysis. Hodge C, et al. **Pediatr Res** 1983 Dec;17(12):998–1001

Increased renal clearance of amylase in fusiform choledochal cyst—a report of 2 cases. Chuang JH, et al. **Taiwan I Hsueh Hui Tsa Chih** 1983 May;82(5):676–80

[Clinical significance of clearance ratio of amylase and creatinine] Liu YJ. **Chung Hua Nei Ko Tsa Chih** 1983 Nov; 22(11):694–7 **(Chi)**

[Validity and limits of the relation between amylase and creatinine clearance in the diagnosis of acute postoperative pancreatitis] Caputo G, et al. **Ann Ital Chir** 1983; 55(6):585–92 (Eng. Abstr.) **(Ita)**

[Amylolytic and lipolytic activities of the large intestine mucosa in various intestinal diseases] Iukhvidova ZhM, et al. **Klin Med (Mosk)** 1984 Jan;62(1):121–6 (Eng. Abstr.) **(Rus)**

[Characteristics of the amylolytic activity of the mucosa of the large intestine in various diseases of the intestine] ROgozina VA. **Ter Arkh** 1983;55(10):31–3 (15 ref.) (Eng. Abstr.) **(Rus)**

[Age and changes in the activity of amylase isoenzymes in duck tissues] Chernova GV. **Ukr Biokhim Zh** 1984 Jan–Feb;56(1):28–34 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Staining in normal and ischemic human myocardium. A study of myoglobin, IgG, glycogen, and diastase-PAS. Sunni S, et al. **Arch Pathol Lab Med** 1984 Aug;108(8):649–53

SECRETION

Beta 1- and beta 2-adrenoceptor-mediated secretion of amylase from incubated rat parotid gland. Carlsöö B, et al. **Acta Physiol Scand** 1984 Mar;120(3):429–35

Pancreatic amylase release in chronically pilocarpine-treated rats. Kuijpers GA, et al. **Acta Physiol Scand** 1984 May; 121(1):85–7

Effects of inhibitors of cyclic nucleotide phosphodiesterase on actions of cholecystokinin, bombesin, and carbachol on pancreatic acini. Gardner JD, et al. **Am J Physiol** 1983 Nov;245(5 Pt 1):G676–80

Action of natural glucagon on pancreatic acini: due to contamination by previously undescribed secretagogues. Pandol SJ, et al. **Am J Physiol** 1983 Nov;245(5 Pt 1):G703–10

Adrenergic nervous control of cAMP-mediated amylase secretion in the rat pancreas. Pearson GT, et al. **Am J Physiol** 1984 May;246(5 Pt 1):G563–73

Introduction of calcium chelators into isolated rat pancreatic acini inhibits amylase release in response to carbamylcholine. Dormer RL. **Biochem Biophys Res Commun** 1984 Mar 30;119(3):876–83

Amiloride is a cholinergic antagonist in the rabbit pancreas. Kuijpers GA, et al. **Biochim Biophys Acta** 1984 Jun 19; 804(2):237–44

Forskolin potentiates calcium-dependent amylase secretion from rat pancreatic acinar cells. Heisler S. **Can J Physiol Pharmacol** 1983 Oct;61(10):1168–76

Effect of cytochalasin D on secretion by rat pancreatic acini. John SM, et al. **Cell Biol Int Rep** 1983 Aug;7(8):603–10

Interdigestive gastrointestinal motility and secretion of gastric acid and pancreatic enzymes in young cigarette smokers. Demol P, et al. **Digestion** 1984;29(2):107–11

Control of cyclic AMP accumulation in dog acini: its relation to amylase release. Laval J, et al. **Digestion** 1983;28(2):82–9

Effects of porcine gastrin-releasing peptide on amylase release, 2-deoxyglucose uptake, and alpha-aminoisobutyric acid uptake in mouse pancreatic acini. Iwamoto Y, et al. **Endocrinology** 1983 Dec;113(6):2106–12

Modulation of rat pancreatic amylase secretion and muscarinic receptor populations by chronic bethanechol treatment. Larose L, et al. **Eur J Pharmacol** 1983 Nov 25; 95(3–4):215–23

Pancreatic secretory factor (PSF), a protein from Gila monster venom stimulating enzyme secretion from rat pancreatic acini. Dehaye JP, et al. **FEBS Lett** 1984 Jan 30;166(2):283–7

Phorbol ester induces intracellular translocation of phospholipid/Ca2+-dependent protein kinase and stimulates amylase secretion in isolated pancreatic acini. Wooten MW, et al. **FEBS Lett** 1984 Jun 11;171(2):183–6

Characterization of muscarinic cholinergic receptors on rat pancreatic acini by N-[3H]methylscopolamine binding. Their relationship with calcium 45 efflux and amylase secretion. Dehaye JP, et al. **J Biol Chem** 1984 Jan 10; 259(1):294–300

Isoproterenol-induced amylase release in rabbit parotid acini: relation of protein phosphorylation, cyclic AMP and related kinase activity to changes in secretory rate. Horio B, et al. **J Pharmacol Exp Ther** 1984 May;229(2):608–14

beta-Adrenoceptor alterations coupled with secretory response in rat parotid tissue. Hata F, et al. **J Physiol (Lond)** 1983 Aug;341:185–96

Dynamic analysis of secretagogue-induced amylase secretion from rat pancreatic acini studied by perifusion system. Imamura K, et al. **Jpn J Physiol** 1983;33(5):687–98

Stimulation of amylase and sialic acid releases from dog submandibular gland slices by pilocarpine or high K+ medium: a possible role of calmodulin for their releases. Komabayashi T, et al. **Jpn J Physiol** 1983;33(6):921–30

Effect of an intracellular calcium antagonist (TMB-8) on carbamylcholine-induced amylase release from dispersed rat pancreatic acini. Ikeda M, et al. **Life Sci** 1984 Feb 6; 34(6):529–33

The neuropeptide head activator stimulates amylase release from rat pancreas in vitro. Feurle GE, et al. **Neurosci Lett** 1983 Aug 8;38(3):287–9

The effects of L-alanine and acetylcholine on membrane potential, 45Ca2+ and 86Rb+ efflux and amylase secretion in the isolated mouse pancreas. Singh J, et al. **Q J Exp Physiol** 1984 Jul;69(3):531–40

Effects of substance P on fluid and amylase secretion in exocrine pancreas of rat and mouse. Katoh K, et al. **Res Vet Sci** 1984 Mar;36(2):147–52

[Effect of FOY-305 on the activity and secretion of pancreatic enzymes in vitro] Stöckmann F, et al. **Z Gastroenterol** 1984 Jun;22(6):311–7 (Eng. Abstr.) **(Ger)**

URINE

Amylase excretion after exercise. Cucinell SA, et al. **Am J Gastroenterol** 1984 Aug;79(8):619–22

The effect of glucagon on urine amylase in various animal species. Goodwin BS, et al. **Am J Gastroenterol** 1984 Jan; 79(1):46–9

[Determination of urinary amylase using a test strip.

Contribution to the emergency diagnosis of acute pancreatitis] Kutter D, et al. **ZFA (Stuttgart)** 1983 Aug 20;59(23):1271–4 **(Ger)**

[Urinary enzyme determination and its clinical significance. A. Enzymes derived from the digestive system. 1. Amylases] Takeuchi T, et al. **Rinsho Byori** 1983 Sep;Spec No 56:11–5 **(Jpn)**

[Diagnosis of acute postoperative pancreatitis] Vinogradov VV, et al. **Klin Khir** 1983 Nov;(11):4–7 (Eng. Abstr.) **(Rus)**

[Urinary excretion of amylase in patients with renal insufficiency. Correlation with blood amylase, urine creatinine and proteinuria levels] García-Valdecasas Valverde J, et al. **Rev Esp Enferm Apar Dig** 1984 Jun; 65(6):491–7 (Eng. Abstr.) **(Spa)**

AMYLOBARBITONE see **AMOBARBITAL**

AMYLOID

Amyloid plaques in the brains of mice with Creutzfeldt-Jakob disease. Tateishi J, et al. **Ann Neurol** 1984 Mar;15(3):278–80

99mTc-phosphonates for imaging of amyloid in C-cell carcinoma. Reuter E, et al. **Eur J Nucl Med** 1983; 8(9):398–400

ANALYSIS

Cytology of tracheobronchial amyloidosis. Chen KT. **Acta Cytol (Baltimore)** 1984 Mar-Apr;28(2):133–5

Amyloid-related serum protein (SAA) as an indicator of lung infection in cystic fibrosis. Marhaug G, et al. **Acta Paediatr Scand** 1983 Nov;72(6):861–6

Plasma cell inclusions: crystals or amyloid? [letter] Nakamine H, et al. **Am J Clin Pathol** 1984 Feb;81(2):274–5

Lack of evidence for protein AA reactivity in amyloid deposits of lattice corneal dystrophy and amyloid corneal degeneration. Gorevic PD, et al. **Am J Ophthalmol** 1984 Aug 15;98(2):216–24

Fibrillary renal deposits and nephritis. Duffy JL, et al. **Am J Pathol** 1983 Dec;113(3):279–90

Amyloid deposits in bioprosthetic cardiac valves after long-term implantation in man. A new localization of amyloidosis. Goffin YA, et al. **Am J Pathol** 1984 Mar; 114(3):431–42

Serum amyloid A protein concentration in progressive systemic sclerosis (scleroderma). Brandwein SR, et al. **Ann Rheum Dis** 1984 Aug;43(4):586–9

Amyloid in osteoarthritic hip joints: deposits in relation to chondromatosis, pyrophosphate, and inflammatory cell infiltrate in the synovial membrane and fibrous capsule. Ladefoged C. **Ann Rheum Dis** 1983 Dec;42(6):659–64

Age distribution of amyloid in the intervertebral discs [letter] Wagner T, et al. **Ann Rheum Dis** 1984 Aug;43(4):663–4

Staining of amyloid with cotton dyes. Yanagihara M, et al. **Arch Dermatol** 1984 Sep;120(9):1184–5

Demonstration of amyloid protein AA in old museum specimens. Westermark P, et al. **Arch Pathol Lab Med** 1984 Mar;108(3):217–9

Alzheimer's disease and Down's syndrome: sharing of a unique cerebrovascular amyloid fibril protein. Glenner GG, et al. **Biochem Biophys Res Commun** 1984 Aug 16; 122(3):1131–5

Measurement of serum amyloid A protein concentrations as test of renal allograft rejection in patients with initially non-functioning grafts. Maury CP, et al. **Br Med J [Clin Res]** 1984 Feb 4;288(6414):360–1

Measurement of serum amyloid A protein concentrations as test of renal allograft rejection [letter] Pepys MB. **Br Med J [Clin Res]** 1984 Mar 17;288(6420):859–60

Localized amyloidosis in basal cell carcinoma. A pathologic study. Looi LM. **Cancer** 1983 Nov 15;52(10):1833–6

Ultrastructural localization of amyloid P component in primary localized cutaneous amyloidosis. Breathnach SM, et al. **Clin Exp Dermatol** 1983 Jul;8(4):355–62

Protein AA in primary and myeloma associated amyloidosis. Falck HM, et al. **Clin Exp Immunol** 1983 Oct;54(1):259–64

Serum amyloid A levels in human renal allograft rejection. Maury CP, et al. **Clin Sci** 1983 Nov;65(5):547–50

A comparative study of serum amyloid a protein (SAA) from mink and man. Marhaug G, et al. **Comp Biochem Physiol [B]** 1984;78(2):401–6

Nephelometric measurement of human serum amyloid P component (SAP). Gertz MA, et al. **J Lab Clin Med** 1983 Nov;102(5):773–8

Prolactinoma of pituitary with associated amyloid-like substances. Case report. Kuratsu J, et al. **J Neurosurg** 1983 Dec;59(6):1067–70

Age related detection of tissue amyloid P in the skin. Khan AM, et al. **J Pathol** 1984 Jul;143(3):183–6

Amyloid heart disease—pathology and diagnosis. Smith LN. **J Tenn Med Assoc** 1983 Sep;76(9):565–70

Insulin pump therapy and serum amyloid A [letter] **Lancet** 1984 Apr 14;1(8381):853–4

Association of insulin pump therapy with raised serum amyloid A in type I diabetes mellitus. Brownlee M, et al. **Lancet** 1984 Feb 25;1(8374):411–3

Immunohistochemical demonstration of amyloid P component in cerebro-vascular amyloidosis. Rowe IF, et al. **Neuropathol Appl Neurobiol** 1984 Jan-Feb;10(1):53–61

A second component in bovine AA amyloid fibrils not identical with protein AA is essential for AA amyloid fibrillogenesis. Hol PR, et al. **Scand J Immunol** 1984 Jul; 20(1):53–60

Three assays for the characterization and quantitation of human serum amyloid A. Marhaug G. **Scand J Immunol** 1983 Oct;18(4):329–38

Amino acid sequences in amyloid proteins of kappa III immunoglobulin light-chain origin. Sletten K, et al. **Scand J Immunol** 1983 Dec;18(6):557–60

Serum amyloid A protein and C-reactive protein levels in pulmonary tuberculosis: relationship to amyloidosis. de Beer FC, et al. **Thorax** 1984 Mar;39(3):196–200

Serum amyloid A protein: a sensitive indicator of renal allograft rejection in humans. Maury CP, et al. **Transplantation** 1983 Nov;36(5):501–4

Amyloid P component in human thyroid. Kendall CH, et al. **Virchows Arch [Cell Pathol]** 1984;45(1):75–8

[Deposits of amyloid substance in basocellular epithelioma. Histochemical, immunologic and ultrastructural study of 50 cases] Aloi FG, et al. **G Ital Dermatol Venereol** 1982 Jan-Feb;117(1):51–5 (Eng. Abstr.) **(Ita)**

[Scanning electron microscopy and histochemical studies of colloid bodies and amyloid deposits in the dermis] Inoue T, et al. **Nippon Hifuka Gakkai Zasshi** 1983 Dec; 93(14):1477–86 **(Jpn)**

[Observation of primary cutaneous amyloidosis by an immunoenzyme technic (PAP method)—negative anti-keratin antibody reaction of amyloid] Ishii M, et al. **Nippon Hifuka Gakkai Zasshi** 1983 Oct;93(11):1227–31 **(Jpn)**

[Case of primary amyloidosis with amyloid A(AA) protein] Hasegawa Y, et al. **Nippon Naika Gakkai Zasshi** 1983 Jul; 72(7):914–20 **(Jpn)**

BIOSYNTHESIS

Colchicine inhibition of serum amyloid protein SAA and SAP synthesis in primary mouse liver cell cultures. Tatsuta E, et al. **Arthritis Rheum** 1984 Mar;27(3):349–52

Mouse hepatocyte synthesis and induction of the acute phase reactant: serum amyloid P-component. Le PT, et al. **In Vitro** 1984 Jun;20(6):505–11

In vitro induction of hepatocyte synthesis of the acute phase reactant mouse serum amyloid P-component by macrophages and IL 1. Le PT, et al. **J Leukocyte Biol** 1984 Jun;35(6):587–603

Is interferon an 'inducer' of serum amyloid A? [letter] Maury CP, et al. **N Engl J Med** 1983 Oct 27;309(17):1060–1

A corneal cytokine triggers the in vivo synthesis of serum amyloid A by hepatocytes. Luger TA, et al. **Ophthalmic Res** 1983;15(3):121–5

Serum amyloid A protein—current status. Maury CP. **Scand J Rheumatol** 1984;13(2):97–100

The role of macrophages in the acute phase SAA response to endotoxin. Vogel SN, et al. **Surv Immunol Res** 1982; 1(3):235–41 (33 ref.)

[The role of fibroblasts in amyloid formation] Balázs M. **Morphol Igazsagugyi Orv Sz** 1983 Jul;23(3):197–204 (Eng. Abstr.) **(Hun)**

BLOOD

Effect of bacterial endotoxin on body temperature, plasma zinc and plasma concentrations of the acute-phase protein serum amyloid p component in mice. Poole S, et al. **Br J Exp Pathol** 1984 Aug;65(4):431–9

Trauma, high density lipoproteins, and serum amyloid protein A. Eriksen N, et al. **Clin Chim Acta** 1984 Jul 16; 140(2):139–49

Binding specificity of serum amyloid P component for the pyruvate acetal of galactose. Hind CR, et al. **J Exp Med** 1984 Apr 1;159(4):1058–69

Measurement of murine serum amyloid P component by rate nephelometry. Gertz MA, et al. **J Immunol Methods** 1984 Apr 27;69(2):173–80

Three assays for the characterization and quantitation of human serum amyloid A. Marhaug G. **Scand J Immunol** 1983 Oct;18(4):329–38

GENETICS

Identification of amyloid prealbumin variant in familial amyloidotic polyneuropathy (Japanese type). Tawara S, et al. **Biochem Biophys Res Commun** 1983 Nov 15; 116(3):880–8

Genes for serum amyloid A proteins map to Chromosome 7 in the mouse. Taylor BA, et al. **MGG** 1984;195(3):491–9

Primary structure of an amyloid prealbumin and its plasma precursor in a heredofamilial polyneuropathy of Swedish origin. Dwulet FE, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(3):694–8

IMMUNOLOGY

IgD amyloid in IgD-lambda monoclonal conjunctival amyloidosis. A case report. Schaldenbrand JD, et al. **Arch Pathol Lab Med** 1983 Dec;107(12):626–8

Immunohistochemical identification and crossreactions of amyloid-A fibril protein in man and eleven other species. Linke RP, et al. **J Comp Pathol** 1984 Jul;94(3):339–56

Isolation and characterization of senile amyloid—related antigenic substance (SASSAM) from mouse serum. Apo SASSAM is a low molecular weight apoprotein of high density lipoprotein. Higuchi K, et al. **J Exp Med** 1983 Nov 1;158(5):1600–14

Monoclonal antibodies against amyloid fibril protein AA. Production, specificity, and use for immunohistochemical localization and classification of AA-type amyloidosis. Linke RP. **J Histochem Cytochem** 1984 Mar;32(3):322–8

Human amyloid P component: a circulating lectin that modulates immunological responses. Li JJ, et al. **Scand J Immunol** 1984 Mar;19(3):227–36

Primary cardiovascular amyloidosis with benign monoclonal gammopathy. Pajor L, et al. **Virchows Arch [A]** 1984; 403(2):195–203

[Immunofluorescent staining properties of amyloid substance in primary localized cutaneous amyloidosis using anti-keratin antibody] Yoneda K, et al. **Nippon Hifuka Gakkai Zasshi** 1984 Feb;94(2):151–5 **(Jpn)**

ISOLATION & PURIFICATION

Amyloid deposition in serosal membranes. Its occurrence with cardiac tamponade, bilateral ureteral obstruction, and gastrointestinal bleeding. Weinrauch LA, et al. **Arch Intern Med** 1984 Mar;144(3):630–2

Alzheimer's disease: initial report of the purification and characterization of a novel cerebrovascular amyloid protein. Glenner GG, et al. **Biochem Biophys Res Commun** 1984 May 16;120(3):885–90

The covalent structure of amyloid-related serum protein SAA from two patients with inflammatory disease. Sletten K, et al. **Hoppe Seylers Z Physiol Chem** 1983 Aug; 364(8):1039–46

Amyloid fibril protein in familial amyloidotic polyneuropathy, Portuguese type. Definition of molecular abnormality in transthyretin (prealbumin). Saraiva MJ, et al. **J Clin Invest** 1984 Jul;74(1):104–19

Specific chemical dissociation of fibrillar and non-fibrillar components of amyloid deposits. Hind CR, et al. **Lancet** 1984 Aug 18;2(8399):376–8

METABOLISM

Immuno-electron-microscopic localization of complements in amyloid fibrils of senile plaques. Ishii T, et al. **Acta Neuropathol (Berl)** 1984;63(4):296–300

Solitary plasmacytoma of the submandibular lymph node with stromal amyloid deposits. Ohmori T, et al. **Acta Pathol Jpn** 1983 Sep;33(5):999–1007

Familial amyloid polyneuropathy with marked hypertrophy of the peripheral nerves. Sumino S, et al. **Acta Pathol Jpn** 1983 May;33(3):629–43

Nature of amyloid deposits in hypernephroma. Immunocytochemical studies in 2 cases associated with amyloid polyneuropathy. Dalakas MC, et al. **Am J Pathol** 1984 Sep;116(3):447–54

Differential staining of cytoid bodies and skin-limited amyloids with monoclonal anti-keratin antibodies. Eto H, et al. **Am J Pathol** 1984 Sep;116(3):473–81

Serum amyloid-A protein concentration in rheumatoid arthritis and its role in monitoring disease activity. Chambers RE, et al. **Ann Rheum Dis** 1983 Dec;42(6):665–7

Transepithelial elimination of amyloid. Maddox JL Jr, et al. **Arch Dermatol** 1984 May;120(5):679–80

Renal amyloid deposition and nephrotic syndrome [letter] Conolly P, et al. **Arch Intern Med** 1984 Jan;144(1):198

Age-associated amyloid deposition in surgically-removed herniated intervertebral discs. Takeda T, et al. **Arthritis Rheum** 1984 Sep;27(9):1063–5

Degradation of serum amyloid A and apolipoproteins by serum proteases. Bausserman LL, et al. **Biochemistry** 1984 May 8;23(10):2241–5

Rapid clearance of serum amyloid A from high-density lipoproteins. Bausserman LL, et al. **Biochim Biophys Acta** 1984 Feb 9;792(2):186–91

Intracellular formation of amyloid fibrils in myeloma. Cytochemical, immunochemical, and electron microscopic observations. Nomura S, et al. **Cancer** 1984 Jul 15; 54(2):303–7

'Amyloid degrading activity' of human serum, an in vitro clearing effect which does not involve degradation of amyloid fibrils. Caspi D, et al. **Clin Exp Immunol** 1984 Sep; 57(3):647–56

Light-chain glomerulopathy with amyloid-like deposits. Alpers CE, et al. **Hum Pathol** 1984 May;15(5):444–8

The nature of the amyloid-like material in a calcifying epithelial odontogenic tumour: an ultrastructural study. El-Labban NG, et al. **J Oral Pathol** 1983 Oct;12(5):366–74

Some speculations about prions, amyloid, and Alzheimer's disease. Prusiner SB. **N Engl J Med** 1984 Mar 8; 310(10):661–3

Occurrence of protein SAA-like material in human endothelial cells in culture and smooth-muscle cells in vessel walls. Bjerve O, et al. **Scand J Immunol** 1984 Apr; 19(4):287–92

Manifestation and ultrastructural typing of amyloid deposits in the heart. Störkel S, et al. **Virchows Arch [A]** 1983; 401(2):185–201

[The amyloid depositions at the area of the eccrine sweat glands in so-called secondary systemic amyloidosis and familial amyloid polyneuropathy] Morita S, et al. **Nippon Hifuka Gakkai Zasshi** 1984 Jan;94(1):45–52 **(Jpn)**

[Amyloid deposition and elastic fibers in macular amyloidosis] Yanagihara M, et al. **Nippon Hifuka Gakkai Zasshi** 1983 Apr;93(5):525–32 **(Jpn)**

[Isolated case of juvenile Alzheimer's disease with recurrent myoclonus and the presence of amyloid plaques and grumose alteration in the cerebellum] Ishino H, et al. **Rinsho Shinkeigaku** 1983 Jul;23(7):577–84 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Pathogenesis of AA amyloidosis [editorial] Maury CP, et al. **Acta Med Scand** 1984;215(4):289–91

Acute phase proteins with special reference to C-reactive protein and related proteins (pentaxins) and serum amyloid A protein. Pepys MB, et al. **Adv Immunol** 1983;34:141–212 (468 ref.)

Another look at serum amyloid protein SAA. Scheinberg MA. **Clin Rheumatol** 1983 Dec;2(4):431–3

Fibronectin and serum amyloid P component stimulate C3b- and C3bi-mediated phagocytosis in cultured human monocytes. Wright SD, et al. **J Exp Med** 1983 Oct 1; 158(4):1338–43

SECRETION

Immunoperoxidase study of uncommon parathyroid tumors. Report of two cases of nonfunctioning parathyroid carcinoma and one intrathyroid parathyroid tumor-producing amyloid. Ordoñez NG, et al. **Am J Surg Pathol** 1983 Sep;7(6):535–42

AMYLOID PROTEIN AA see under **AMYLOID**

AMYLOID PROTEIN SAA see under **AMYLOID**

AMYLOIDOSIS

Progress on cutaneous amyloidoses. Hashimoto K. **J Invest Dermatol** 1984 Jan;82(1):1–3 (32 ref.)

[Pulmonary amyloidosis. Etiopathogenic, clinical and therapeutic data] Mangiulea V. **Rev Ig [Pneumoftiziol]** 1983 Jan–Mar;32(1):1–12 (49 ref.) (Eng. Abstr.) **(Rum)**

BLOOD

Identification of a prealbumin variant in the serum of a Japanese patient with familial amyloidotic polyneuropathy. Nakazato M, et al. **Biochem Biophys Res Commun** 1984 Jul 31;122(2):712–8

Amyloid fibril protein in familial amyloidotic polyneuropathy, Portuguese type. Definition of molecular abnormality in transthyretin (prealbumin). Saraiva MJ, et al. **J Clin Invest** 1984 Jul;74(1):104–19

Studies on plasma transthyretin (prealbumin) in familial amyloidotic polyneuropathy, Portuguese type. Saraiva MJ, et al. **J Lab Clin Med** 1983 Oct;102(4):590–603

Serum amyloid A protein—current status. Maury CP. **Scand J Rheumatol** 1984;13(2):97–100

Prolongation of thrombin and reptilase times in patients with amyloidosis and acquired factor X deficiency. Butler WM, et al. **South Med J** 1984 May;77(5):648–51

CHEMICALLY INDUCED

Unanticipated amyloidosis in dogs infused with insulin. Albisser AM, et al. **Diabetes** 1983 Dec;32(12):1092–101

CLASSIFICATION

Hepatic amyloidosis. A histopathologic analysis of primary (AL) and secondary (AA) forms. Chopra S, et al. **Am J Pathol** 1984 May;115(2):186–93

Immunoelectrophoretic investigations in 55 patients with systemic amyloidosis. Vital Durand D, et al. **Blut** 1984 Aug; 49(2):91–4

Difference in potassium permanganate sensitivity between primary and secondary amyloidosis. Looi LM, et al. **Malays J Pathol** 1981 Aug;4:65–8

[Oromaxillary amyloidosis. Classification, etiopathogenesis and clinical immunopathological and histochemical study] Favia G, et al. **Minerva Stomatol** 1984 Mar–Apr; 33(2):223–30 (Eng. Abstr.) **(Ita)**

COMPLICATIONS

Intracerebral hemorrhage caused by cerebral amyloid angiopathy: radiographic–pathologic correlation. Wagle WA, et al. **AJNR** 1984 Mar–Apr;5(2):171–6

A triple autoimmune association. Sánchez-Ibarrola A, et al. **Allergol Immunopathol (Madr)** 1983 Sep–Oct;11(5):385–6

Pathologic hyperfibrinolysis associated with amyloidosis: clinical response to epsilon amino caproic acid. Chang JC, et al. **Am J Clin Pathol** 1984 Mar;81(3):382–7

Isolated adrenal mineralocorticoid deficiency due to amyloidosis associated with familial Mediterranean fever. Agmon D, et al. **Am J Med Sci** 1984 Jul–Aug;288(1):40–3

Renal amyloidosis associated with crescentic glomerulonephritis. Harada A, et al. **Am J Nephrol** 1984 Jan–Feb;4(1):52–5

Amyloidosis and hyposplenism with leukocytosis and thrombocytosis [letter] Jacobson IM, et al. **Ann Intern Med** 1983 Oct;99(4):573

IgM demyelinative neuropathy with amyloidosis and biclonal gammopathy. Julien J, et al. **Ann Neurol** 1984 Apr; 15(4):395–9

Primary amyloidosis presenting as Sjögren's syndrome. Gogel HK, et al. **Arch Intern Med** 1983 Dec;143(12):2325–6

Amyloid deposition in serosal membranes. Its occurrence with cardiac tamponade, bilateral ureteral obstruction, and gastrointestinal bleeding. Weinrauch LA, et al. **Arch Intern Med** 1984 Mar;144(3):630–2

Sudden death in a patient with amyloidosis of the cardiac conduction system. Allen DC, et al. **Br Heart J** 1984 Feb; 51(2):233–6

Primary cardiac amyloidosis in a young man presenting with angina pectoris. Saltissi S, et al. **Br Heart J** 1984 Aug; 52(2):233–6

Macular amyloidosis associated with familial nail dystrophy. Shaw M, et al. **Clin Exp Dermatol** 1983 Jul;8(4):363–8

Cardiac amyloidosis presenting as severe mitral regurgitation. Engelmeier RS, et al. **Int J Cardiol** 1983 Oct;4(3):325–7

The sick sinus syndrome in familial amyloidosis with polyneuropathy. Olofsson BO, et al. **Int J Cardiol** 1983 Aug;4(1):71–3

Unusual dyslipoproteinemia in a patient with primary systemic amyloidosis and nephrotic syndrome. Role of excessive cholesterol synthesis. Eisenberg S, et al. **Isr J Med Sci** 1984 Mar;20(3):224–31

Cardiac arrhythmias in systemic amyloidosis: correlation with echocardiographic abnormalities. Falk RH, et al. **J Am Coll Cardiol** 1984 Jan;3(1):107–13

Pulmonary amyloid nodule simulating pancoast tumor. Gibney RT, et al. **J Can Assoc Radiol** 1984 Mar;35(1):90–1

Dysautoregulation of the cerebral circulation in primary systemic amyloidosis. Kobayashi S, et al. **J Cereb Blood Flow Metab** 1984 Sep;4(3):470–3

An unusual aetiology of unilateral glue ear in a child. Zakzouk MS. **J Laryngol Otol** 1984 May;98(5):519–22

Pulmonary nodular amyloidosis presenting as Sjögren's syndrome. Batra P, et al. **J Natl Med Assoc** 1983 Sep; 75(9):903–5

Amyloidosis in Whipple's arthritis. Farr M, et al. **J R Soc Med** 1983 Nov;76(11):963–5

Collateral ligament calcification complicating amyloidosis and Reiter's syndrome [letter] Stone G, et al. **J Rheumatol** 1984 Apr;11(2):248–50

Bleeding manifestations in patients with amyloidosis [letter] Kim R. **JAMA** 1983 Oct 28;250(16):2110

'Benign' monoclonal gammopathy. A misnomer? Kyle RA. **JAMA** 1984 Apr 13;251(14):1849–54

Rheumatologic manifestations of amyloid disease. Hall S, et al. **Minn Med** 1983 Oct;66(10):631–2

Amyloid neuropathy in a woman with tabes dorsalis [letter] Kueh Y, et al. **N Engl J Med** 1984 Mar 22;310(12):789

Cerebral amyloid angiopathy as a cause of multiple intracerebral hemorrhages. Gilles C, et al. **Neurology (NY)** 1984 Jun;34(6):730–5

Hypopituitarism associated with systemic amyloidosis. Las MS, et al. **NY State J Med** 1983 Oct–Nov;83(11–12):1183–5

Tetany and osteolysis in light chain myeloma with amyloidosis. Bhakri HL, et al. **Postgrad Med J** 1983 Aug; 59(694):527–9

Multifocal fibrosclerosis and renal amyloidosis. Hamilton DV, et al. **Postgrad Med J** 1983 Jul;59(693):467–9

Renal involvement in systemic amyloidosis. Browning M, et al. **Proc Eur Dial Transplant Assoc** 1983;20:595–602

Intracerebral hemorrhage secondary to cerebral amyloid angiopathy. Patel DV, et al. **Radiology** 1984 May; 151(2):397–400

Amyloid goitre. A case report. Kneebone RL, et al. **S Afr Med J** 1984 Jun 9;65(23):931–2

Cerebral amyloid angiopathy: incidence and complications in the aging brain. I. Cerebral hemorrhage. Gilbert JJ, et al. **Stroke** 1983 Nov–Dec;14(6):915–23

Primary cardiovascular amyloidosis with benign monoclonal gammopathy. Pajor L, et al. **Virchows Arch [A]** 1984; 403(2):195–203

[Multinodular cutaneous involvement in systemic amyloidosis associated with Waldenström's disease] Guillaume JC, et al. **Ann Dermatol Venereol** 1983;110(9):723–4 **(Fre)**

[The place of type I familial amyloid neuropathy in amylosis. Anatomo-clinical study of a case in France] Delisle MB, et al. **Ann Pathol** 1983 Dec;3(4):293–9 (Eng. Abstr.) **(Fre)**

[Inferior vena cava thrombosis responsible for chronic Budd-Chiari syndrome during hepatic and digestive amyloidosis] Paliard P, et al. **Gastroenterol Clin Biol** 1983 Nov;7(11):919–22 (Eng. Abstr.) **(Fre)**

[Renal amylosis associated with breast cancer (letter)] Antelin CH, et al. **Presse Med** 1983 Sep 24;12(33):2058 **(Fre)**

[Amyloidosis with gastroparesis. Improvement with domperidone (letter)] Gil R, et al. **Presse Med** 1984 Mar 3;13(9):564 **(Fre)**

[Recurrent cerebral hemorrhage and amyloid angiopathy] Julien J, et al. **Rev Neurol (Paris)** 1983;139(12):763–7 (Eng. Abstr.) **(Fre)**

[Factor X deficiency and systemic amylosis] Pedinielli FJ, et al. **Sem Hop Paris** 1984 Mar 8;60(11):792–4 (Eng. Abstr.) **(Fre)**

[Ossified amyloidosis of the kidney pelvis] Rauschmeier H, et al. **Urologe [Ausg A]** 1983 Sep;22(5):255–9 (Eng. Abstr.) **(Ger)**

[Sinoatrial node disease in cardiac amyloidosis. Description of 2 cases] Fanelli R, et al. **G Ital Cardiol** 1984 May; 14(5):341–4 (Eng. Abstr.) **(Ita)**

[Hemorrhagic and bullous systemic amyloidosis manifesting a non-secreting myeloma] Levi L, et al. **G Ital Dermatol Venereol** 1983 Jan–Feb;118(1):31–5 (Eng. Abstr.) **(Ita)**

[Effect of dimethylsulfoxide-ointment in carpal tunnel syndrome with amyloidosis and Bence Jones kappa-type multiple myeloma] Shimizu S, et al. **Nippon Naika Gakkai Zasshi** 1984 Jan;73(1):27–32 **(Jpn)**

[A case of primary amyloidosis with interesting clinical course after HBV infection] Yoshida T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Mar;81(3):917–21 **(Jpn)**

[Primary amyloidosis in children (with reference to a case)] Maiorescu M, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1983 Oct–Dec; 32(4):355–63 (Eng. Abstr.) **(Rum)**

[Amyloidosis, periarteritis nodosa and the postural syndrome as causes of acute thrombosis of the major arteries of the extremities] Turbin BN, et al. **Khirurgiia. (Mosk)** 1984 May; (5):90–3 **(Rus)**

[Cerebral amyloid angiopathy] Gobernado JM, et al. **Med Clin (Barc)** 1984 May 19;82(19):854–62 (153 ref.) **(Spa)**

[Amyloid arthropathy and Bence Jones myeloma] Moreno Camacho A, et al. **Med Clin (Barc)** 1983 Jul 16;81(5):212–5 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Cytology of tracheobronchial amyloidosis. Chen KT. **Acta Cytol (Baltimore)** 1984 Mar–Apr;28(2):133–5

Echocardiographic features in familial amyloidosis with polyneuropathy. Backman C, et al. **Acta Med Scand** 1983; 214(4):273–8

Familial amyloidosis with polyneuropathy. A long-term follow-up of 21 patients with special reference to gastrointestinal symptoms. Steen L, et al. **Acta Med Scand** 1983;214(5):387–97

Cardiac amyloidosis simulating hypertrophic cardiomyopathy. Sedlis SP, et al. **Am J Cardiol** 1984 Mar 15;53(7):969–70

Quiz of the month. 1: Renal amyloidosis. Gadson S. **Am J Nephrol** 1983 Nov–Dec;3(6):324, 338

Localized amyloidosis of the head and neck and upper aerodigestive and lower respiratory tracts. Simpson GT 2d, et al. **Ann Otol Rhinol Laryngol** 1984 Jul–Aug;93(4 Pt 1):374–9

Radioimmunoassay for detecting abnormal prealbumin in the serum for diagnosis of familial amyloidotic polyneuropathy (Japanese type). Nakazato M, et al. **Biochem Biophys Res Commun** 1984 Jul 31;122(2):719–25

Massive haemorrhage following biopsy of amyloidosis of the bladder. Dixon PJ, et al. **Br J Surg** 1984 Aug;71(8):650

Prospective identification of patients with amyloid heart disease by two-dimensional echocardiography. Nicolosi GL, et al. **Circulation** 1984 Sep;70(3):432–7

The carpal tunnel syndrome and amyloidosis. A clinical and histological study. Bjerrum OW, et al. **Clin Neurol Neurosurg** 1984;86(1):29–32

Cardiac involvement in familial amyloidosis with polyneuropathy. Olofsson BO. **Int J Cardiol** 1983 Oct; 4(3):379–82

Monoclonal antibodies against amyloid fibril protein AA. Production, specificity, and use for immunohistochemical localization and classification of AA-type amyloidosis. Linke RP. **J Histochem Cytochem** 1984 Mar;32(3):322–8

Two dimensional echocardiographic similarity of Fabry's disease to cardiac amyloidosis: a function of ultrastructural analogy? Cohen IS, et al. **JCU** 1983 Oct;11(8):437–41

Non-invasive demonstration of cardiac involvement in acquired forms of systemic amyloidosis [letter] Hind CR, et al. **Lancet** 1984 Jun 23;1(8391):1417

Serial echocardiographic observations in patients with primary systemic amyloidosis: an introduction to the concept of early (asymptomatic) amyloid infiltration of the heart. Cueto-Garcia L, et al. **Mayo Clin Proc** 1984 Sep; 59(9):589–97

Primary pulmonary amyloidosis. Kahn A, et al. **Respiration** 1984;45(1):78–80

[Fine-needle biopsy in the diagnosis of amyloidosis] Klemi PJ, et al. **Duodecim** 1983;99(16):1059–62 (Eng. Abstr.) **(Fin)**

[Adie's syndrome and polyneuropathy: apropos of a new case and a case of pupillotonia, polyneuropathy and generalized amyloidosis sparing the nerve] Salama J, et al. **Ann Med Interne (Paris)** 1984;135(1):39–42 (Eng. Abstr.) **(Fre)**

[Differential diagnosis between constrictive pericarditis and cardiac amyloidosis by computerized M-mode echocardiography] M'Zah N, et al. **Arch Mal Coeur** 1984 Jun;77(6):625–32 (Eng. Abstr.) **(Fre)**

[Secondary amyloidosis of the heart. Diagnostic value of 2-dimensional echocardiography. Description of a case] Monducci I, et al. **Boll Soc Ital Cardiol** 1982 Sep; 27(9):875–80 (Eng. Abstr.) **(Ita)**

[Primary amyloidosis associated with early gastric carcinoma(IIb like IIa type) diagnosed by preoperative gastric biopsy—a case report] Hayashi I, et al. **Gan No Rinsho** 1983 Nov;29(14):1686–92 (Eng. Abstr.) **(Jpn)**

[Lesions of peripheral and cranial nerves in amyloidosis] Kanareikin KF, et al. **Klin Med (Mosk)** 1984 Apr; 62(4):14–27 (0 ref.) **(Rus)**

[Clinical aspects of renal amyloidosis] Mukhin NA. **Klin Med (Mosk)** 1983 Oct;61(10):12–7 **(Rus)**

[Characteristics of secondary amyloidosis in juvenile rheumatoid arthritis] Ulybina OV, et al. **Pediatriia** 1983 Nov;(11):31–5 (Eng. Abstr.) **(Rus)**

[Primary amyloidosis localized in the bladder] Romero Maroto J, et al. **Arch Esp Urol** 1983 Jul–Aug;36(4):250–3 (Eng. Abstr.) **(Spa)**

[Localized cutaneous amyloidosis: lichen amyloidosis (letter)] Pigrau C, et al. **Med Clin (Barc)** 1983 Jul 2;81(4):184–5 **(Spa)**

DRUG THERAPY

DMSO and colchicine therapy in amyloid disease. Scheinberg MA, et al. **Ann Rheum Dis** 1984 Jun;43(3):421–3

The failure of ascorbic acid therapy to alter the induction or remission of murine amyloidosis. Baltz ML, et al. **Clin Exp Immunol** 1984 Sep;57(3):657–62

Dimethyl sulphoxide in primary AL amyloidosis [letter] Crovato F, et al. **Haematologica (Pavia)** 1984 Mar–Apr; 69(2):234–5

Objective response in amyloidosis treated with intermittent chemotherapy. Farhangi M, et al. **South Med J** 1984 Jun; 77(6):775–7

[Approaches to the treatment of amyloidosis] Tareev EM, et al. **Urol Nefrol (Mosk)** 1983 Nov–Dec;(6):56–63 (Eng. Abstr.) **(Rus)**

[Treatment of amyloidosis with colchicine] Praga Terente M, et al. **Rev Clin Esp** 1984 Jan 15;172(1):23–6 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

Do serine proteases degrade amyloid A fibrils? Teppo AM, et al. **Scand J Immunol** 1983 Oct;18(4):363–6

ETIOLOGY

Amyloid–associated muscle pseudohypertrophy and multiple myeloma in a man with hypernephroma. Elomaa I, et al. **Acta Med Scand** 1983;214(1):87–91

Pathogenesis of AA amyloidosis [editorial] Maury CP, et al. **Acta Med Scand** 1984;215(4):289–91

Myeloma–associated cardiac amyloidosis. A case report. Wahlin A, et al. **Acta Med Scand** 1984;215(2):189–92

Amyloidosis complicating cystic fibrosis. Biberstein M, et al. **Am J Clin Pathol** 1983 Nov;80(5):752–4

Amyloidosis (AA type) associated with nodular nonsuppurative panniculitis. Pallares R, et al. **Ann Intern Med** 1983 Oct;99(4):488–9

Amyloidosis and systemic lupus erythematosus. Ridley MG, et al. **Ann Rheum Dis** 1984 Aug;43(4):649–50

Secondary amyloidosis: diagnosis from an endometrial biopsy [letter] Yue CC, et al. **Arthritis Rheum** 1983 Oct; 26(10):1295–6

Murine alveolar hydatidosis: a potential experimental model for the study of AA–amyloidosis. Ali–Khan Z, et al. **Br J Exp Pathol** 1983 Dec;64(6):599–611

Chronic alveolar hydatidosis and secondary amyloidosis: pathological aspects of the disease in four strains of mice. Alkarmi TO, et al. **Br J Exp Pathol** 1984 Aug;65(4):405–17

Failure to find amyloidosis in dogs treated with long–term intravenous insulin delivered by a totally implantable pump. Mauer SM, et al. **Diabetologia** 1983 Nov;25(5):448–50

Incidence of renal amyloidosis in adult Ethiopian tuberculosis patients. Mengistu M. **East Afr Med J** 1983 Nov; 60(11):773–7

Amyloidosis: a familiar problem in the light of current pathogenetic developments. Kisilevsky R. **Lab Invest** 1983 Oct;49(4):381–90 (175 ref.)

Amyloidosis in Behçet's disease. Peces R, et al. **Nephron** 1984; 36(2):114–7

Amyloidosis of specialized mesodermal tissues in non–myelomatous monoclonal gammopathy. A pathogenetic hypothesis. Melato M, et al. **Pathol Res Pract** 1983 Aug;178(1):78–82

[Amyloidosis associated with IGD (lambda) myeloma in a Hansen's disease patient] Feyeux C, et al. **Ann Dermatol Venereol** 1983;110(9):717–8 **(Fre)**

[Cardiac amyloidosis apropos of a case disclosing Kahler's disease] Mellin D, et al. **LARC Med** 1984 May;4(5):285–8, 291–2 (Eng. Abstr.) **(Fre)**

[Psoriatic pelvispondylitis complicated by renal amyloidosis (letter)] Bruet A, et al. **Presse Med** 1983 Nov 26;12(43):2768 **(Fre)**

[Peritoneal amyloidosis in the terminal development of monoclonal gammapathy (letter)] Mallet H, et al. **Presse Med** 1984 Jan 21;13(2):101 **(Fre)**

[Amyloidosis in periodic disease] Méry JP. **Presse Med** 1984 Feb 25;13(8):475–7 **(Fre)**

[Amyloid cardiopathy disclosing Waldenström's macroglobulinemia (letter)] Rego J, et al. **Presse Med** 1983 Nov 5;12(39):2464 **(Fre)**

[Renal amyloidosis secondary to Crohn Disease (letter)] Vicente Rull JR, et al. **Med Clin (Barc)** 1983 Oct 29; 81(13):598–9 **(Spa)**

[An unusual association: cystic fibrosis and systemic amyloidosis] Carretero Sastre JL, et al. **Rev Clin Esp** 1983 May 31;169(4):273–5 **(Spa)**

FAMILIAL & GENETIC

Familial amyloid polyneuropathy with marked hypertrophy of the peripheral nerves. Sumino S, et al. **Acta Pathol Jpn** 1983 May;33(3):629–43

Familial amyloidosis. A histopathological study. Tanimura A, et al. **Acta Pathol Jpn** 1984 Mar;34(2):335–44

Familial amyloid polyneuropathy. Demonstration of prealbumin in a kinship of German/English ancestry with onset in the seventh decade. Libbey CA, et al. **Am J Med** 1984 Jan;76(1):18–24

Immunocytochemical demonstration of prealbumin in the vitreous in heredofamilial amyloidosis. Doft BH, et al. **Am J Ophthalmol** 1984 Mar;97(3):296–300

Prealbumin and retinol binding protein serum concentrations in the Indiana type hereditary amyloidosis. Benson MD, et al. **Arthritis Rheum** 1983 Dec;26(12):1493–8

Identification of amyloid prealbumin variant in familial amyloidotic polyneuropathy (Japanese type). Tawara S, et al. **Biochem Biophys Res Commun** 1983 Nov 15; 116(3):880–8

Disturbances of cardiac rhythm and conduction in familial amyloidosis with polyneuropathy. Eriksson P, et al. **Br Heart J** 1984 Jun;51(6):658–62

Non–invasive assessment of the presence and severity of cardiac amyloidosis. A study in familial amyloidosis with polyneuropathy by cross sectional echocardiography and technetium–99m pyrophosphate scintigraphy. Eriksson P, et al. **Br Heart J** 1984 Sep;52(3):321–6

Type I familial amyloidotic polyneuropathy (Japanese type). Araki S. **Brain Dev** 1984;6(2):128–33

Genetic studies of familial amyloid polyneuropathy in the Arao district of Japan: I. The genealogical survey. Sakoda S, et al. **Clin Genet** 1983 Nov;24(5):334–8

Familial lichen amyloidosis. Ozaki M. **Int J Dermatol** 1984 Apr;23(3):190–3

The genetic studies of familial amyloid polyneuropathy in the Arao district of Japan: II. Studies of genetic markers in blood. Sakoda S, et al. **Jinrui Idengaku Zasshi** 1984 Mar; 29(1):51–7

Electrophysiologic effects of atropine and isoproterenol on the cardiac conduction system in familial amyloid polyneuropathy. Horio Y, et al. **Jpn Circ J** 1984 May; 48(5):474–83

Familial amyloid polyneuropathy: a new kinship of German ancestry. O'Connor CR, et al. **Neurology (NY)** 1984 Aug; 34(8):1096–9

Lattice corneal dystrophy associated with familial systemic amyloidosis (Meretoja's syndrome). Purcell JJ Jr, et al. **Ophthalmology** 1983 Dec;90(12):1512–7

Pacemaker treatment in familial amyloidosis with polyneuropathy. Eriksson P, et al. **PACE** 1984 Jul; 7(4):702–6

Familial amyloidosis with polyneuropathy. Aspects of the relationship between gastrointestinal symptoms, EMG findings, and malabsorption studies. Steen LE, et al. **Scand J Gastroenterol** 1984 Jun;19(4):480–6

Symptomatic cardiac amyloidosis in an American family. Ruder MA, et al. **South Med J** 1984 Jul;77(7):831–3

The sinoatrial node in familial amyloidosis with polyneuropathy. A clinico–pathological study of nine cases from northern Sweden. Eriksson A, et al. **Virchows Arch [A]** 1984;402(3):239–46

[Type I familial amyloidotic polyneuropathy] Araki S. **No To Hattatsu** 1984;16(2):92–100 **(Jpn)**

[Familial amyloidosis with polyneuropathy in Sweden – a review] Olofsson BO, et al. **Lakartidningen** 1983 Oct 12; 80(41):3785–7 **(Swe)**

HISTORY

[The first report of 'senile' amyloidosis of the heart—I. Soyka, 1876, Prague] Steiner I. **Cesk Patol** 1984 Feb;20(1):11–3 (Eng. Abstr.) **(Cze)**

IMMUNOLOGY

IgD amyloid in IgD–lambda monoclonal conjunctival amyloidosis. A case report. Schaldenbrand JD, et al. **Arch Pathol Lab Med** 1983 Dec;107(12):626–8

An immunologic assessment of brain–associated IgG in senile cerebral amyloidosis. Goust JM, et al. **J Neuropathol Exp Neurol** 1984 Sep;43(5):481–8

Changes in natural killer activities in experimental secondary amyloidosis. Kimura K, et al. **Scand J Immunol** 1984 Jun; 19(6):513–20

[Immunofluorescent staining properties of amyloid substance in primary localized cutaneous amyloidosis using anti–keratin antibody] Yoneda K, et al. **Nippon Hifuka Gakkai Zasshi** 1984 Feb;94(2):151–5 **(Jpn)**

[Lymphocyte sensitization to kidney antigens in patients with Bright disease, lupus nephritis and kidney amyloidosis] Savitskiĭ SN, et al. **Vrach Delo** 1983 Jun;(6):35–8 (Eng. Abstr.) **(Rus)**

METABOLISM

Lack of evidence for protein AA reactivity in amyloid deposits of lattice corneal dystrophy and amyloid corneal degeneration. Gorevic PD, et al. **Am J Ophthalmol** 1984 Aug 15;98(2):216–24

Nature of amyloid deposits in hypernephroma. Immunocytochemical studies in 2 cases associated with amyloid polyneuropathy. Dalakas MC, et al. **Am J Pathol** 1984 Sep;116(3):447–54

Transepithelial elimination of amyloid. Maddox JL Jr, et al. **Arch Dermatol** 1984 May;120(5):679–80

Renal amyloid deposition and nephrotic syndrome [letter] Conolly P, et al. **Arch Intern Med** 1984 Jan;144(1):198

Protein AA in primary and myeloma associated amyloidosis. Falck HM, et al. **Clin Exp Immunol** 1983 Oct;54(1):259–64

Sulfhydryl and disulfide stainings in amyloids of skin–limited and systemic amyloidoses. Mukai H, et al. **J Invest Dermatol** 1984 Jan;82(1):4–8

Specific chemical dissociation of fibrillar and non–fibrillar components of amyloid deposits. Hind CR, et al. **Lancet** 1984 Aug 18;2(8399):376–8

Immunohistochemical demonstration of amyloid P component in cerebro–vascular amyloidosis. Rowe IF, et al. **Neuropathol Appl Neurobiol** 1984 Jan–Feb;10(1):53–61

Amino acid sequences in amyloid proteins of kappa III immunoglobulin light–chain origin. Sletten K, et al. **Scand J Immunol** 1983 Dec;18(6):557–60

[Scanning electron microscopy and histochemical studies of colloid bodies and amyloid deposits in the dermis] Inoue T, et al. **Nippon Hifuka Gakkai Zasshi** 1983 Dec; 93(14):1477–86 **(Jpn)**

[Observation of primary cutaneous amyloidosis by an immunoenzyme technic (PAP method)—negative anti–keratin antibody reaction of amyloid] Ishii M, et al. **Nippon Hifuka Gakkai Zasshi** 1983 Oct;93(11):1227–31 **(Jpn)**

[The amyloid depositions at the area of the eccrine sweat glands in so–called secondary systemic amyloidosis and familial amyloid polyneuropathy] Morita S, et al. **Nippon Hifuka Gakkai Zasshi** 1984 Jan;94(1):45–52 **(Jpn)**

[Amyloid deposition and elastic fibers in macular amyloidosis] Yanagihara M, et al. **Nippon Hifuka Gakkai Zasshi** 1983 Apr;93(5):525–32 **(Jpn)**

[Case of primary amyloidosis with amyloid A(AA) protein] Hasegawa Y, et al. **Nippon Naika Gakkai Zasshi** 1983 Jul; 72(7):914–20 **(Jpn)**

OCCURRENCE

Amyloidosis in Malaysian aborigines (Orang Asli). Looi LM, et al. **Malays J Pathol** 1979 Aug;2:45–51

Amyloidosis at Groote Schuur Hospital, Cape Town. Mody G, et al. **S Afr Med J** 1984 Jul 14;66(2):47–9

PATHOLOGY

Giant basal cell carcinoma with metastasis and secondary amyloidosis: report of case. Beck HI, et al. **Acta Derm Venereol (Stockh)** 1983;63(6):564–7

Systemic amyloid myopathy—light–microscopic and fine–structural study of the skeletal muscles with histochemical and immunohistochemical study of amyloid. Ii K, et al. **Acta Neuropathol (Berl)** 1984;64(2):114–21

Secondary systemic amyloidosis with Hodgkin's disease. Hiasa Y, et al. **Acta Pathol Jpn** 1983 Sep;33(5):1069–77

Systemic amyloidosis associated with factor X deficiency. Shibuya H, et al. **Acta Pathol Jpn** 1984 May;34(3):639–47

Primary tracheobronchial amyloidosis. A case report and review of reported cases. Wakasa K, et al. **Acta Pathol Jpn** 1984 Jan;34(1):145–52

Lichen amyloidosus. Ultrastructure and pathogenesis. Jambrosic J, et al. **Am J Dermatopathol** 1984 Apr;6(2):151–8

A Langerhans' cell in mitosis within the epidermis of a case of lichen amyloidosus. Kumakiri M, et al. **Am J Dermatopathol** 1984 Apr;6(2):195–7

Frequency and distribution of senile cardiovascular amyloid. A clinicopathologic correlation. Cornwell GG 3d, et al. **Am J Med** 1983 Oct;75(4):618–23

Amyloid deposits in bioprosthetic cardiac valves after long–term implantation in man. A new localization of amyloidosis. Goffin YA, et al. **Am J Pathol** 1984 Mar; 114(3):431–42

Staining of amyloid with cotton dyes. Yanagihara M, et al. **Arch Dermatol** 1984 Sep;120(9):1184–5

Parathyroid amyloidosis [letter] Ellis HA, et al. **Arch Pathol Lab Med** 1984 Sep;108(9):689–90

Testicular amyloidosis in hamsters experimentally infected with Leishmania donovani. Gonzalez JL, et al. **Br J Exp Pathol** 1983 Oct;64(5):518–23

Visceral spreading depletion of thymus–dependent regions and amyloidosis in mice and hamsters infected intradermally with Leishmania isolated from Sudanese cutaneous leishmaniasis. Veress B, et al. **Br J Exp Pathol** 1983 Oct;64(5):505–14

Nodular pulmonary amyloidosis. Pinto A, et al. **Can Med Assoc J** 1984 Aug 1;131(3):215–7

Localized amyloidosis in basal cell carcinoma. A pathologic study. Looi LM. **Cancer** 1983 Nov 15;52(10):1833–6

A case of heart amyloidosis accompanied by chronic pericarditis and calcification within the amyloid. Hou HD. **Chin Med J [Engl]** 1983 Jul;96(7):549–50

Ultrastructural localization of amyloid P component in primary localized cutaneous amyloidosis. Breathnach SM, et al. **Clin Exp Dermatol** 1983 Jul;8(4):355–62

Different morphologic aspects and clinical features in massive hepatic amyloidosis. Melato M, et al. **Digestion** 1984; 29(3):138–45

Localized amyloidosis in nasopharyngeal carcinoma. Prathap K, et al. **Histopathology** 1984 Jan;8(1):27–34

Nodular pulmonary amyloidosis with extrapulmonary involvement. Laden SA, et al. **Hum Pathol** 1984 Jun; 15(6):594–7

Pulmonary amyloidosis: ultrastructural study of early alveolar septal deposits. Monreal FA. **Hum Pathol** 1984 Apr;15(4):388–90

Renal amyloidosis with crescents. Watanabe T, et al.

Hum Pathol 1984 Jul;15(7):684–6
Nodular localized cutaneous amyloidosis of the foot. Walker RE, et al. **J Am Podiatry Assoc** 1984 Jan;74(1):46–7
Microdeposits of amyloid in sclerocalcific heart valves: a histochemical and immunofluorescence study. Goffin YA, et al. **J Clin Pathol** 1983 Dec;36(12):1342–9
Amyloidosis: a perspective. Zauber NP, et al. **J Med Soc NJ** 1983 Dec;80(12):1032–4
Amyloid heart disease—pathology and diagnosis. Smith LN. **J Tenn Med Assoc** 1983 Sep;76(9):565–70
Localized amyloidosis of the ureter. Miller R, et al. **J Urol** 1984 Jan;131(1):112–3
Localized amyloidosis of the ureter. Robinson CR, et al. **J Urol** 1984 Jan;131(1):110–1
Amyloidosis (AL). Clinical and laboratory features in 229 cases. Kyle RA, et al. **Mayo Clin Proc** 1983 Oct; 58(10):665–83 (111 ref.)
Clinical significance of histopathologic patterns of cardiac amyloidosis. Smith TJ, et al. **Mayo Clin Proc** 1984 Aug; 59(8):547–55
Length-dependent degeneration of fibers in Portuguese amyloid polyneuropathy: a clinicopathologic study. Said G, et al. **Neurology (NY)** 1984 Aug;34(8):1025–32
Endocrine pathology in spinal cord injured patients on maintenance dialysis. Barton CH, et al. **Paraplegia** 1984 Feb;22(1):7–16
Experimental control of cerebral amyloid in scrapie in mice. Fraser H, et al. **Prog Brain Res** 1983;59:281–90
Relationship between morphological findings and function of the small intestine in familial amyloidosis with polyneuropathy. Steen L, et al. **Scand J Gastroenterol** 1983 Oct;18(7):961–8
Localized primary amyloidosis of the ureter. Willén R, et al. **Scand J Urol Nephrol** 1983;17(3):385–9
Cerebral amyloid angiopathy: incidence and complications in the aging brain. II. The distribution of amyloid vascular changes. Vinters HV, et al. **Stroke** 1983 Nov–Dec; 14(6):924–8
Manifestation and ultrastructural typing of amyloid deposits in the heart. Störkel S, et al. **Virchows Arch [A]** 1983; 401(2):185–201
Senile amyloidosis: principles of localization in a heterogeneous form of amyloidosis. Störkel S, et al. **Virchows Arch [Cell Pathol]** 1983;44(2):145–61
Renal amyloidosis. Histological differentiation based on chemical types compared to Reimann's classification. Kemény E, et al. **Zentralbl Allg Pathol** 1983; 128(5–6):379–89
[Profuse hematuria in an amyloidosis patient] Atanasova P, et al. **Vutr Boles** 1984;23(1):112–4 **(Bul)**
[Cardiac amyloidosis. Report of 11 autopsy cases and review of the literature] Demoulin JC. **Ann Cardiol Angeiol (Paris)** 1983 Jul–Sep;32(5):325–30 (Eng. Abstr.) **(Fre)**
[Amyloidosis and its bronchopulmonary localizations. Apropos of 3 cases] Peuchmaur M, et al. **Poumon Coeur** 1983;39(3):115–20 (Eng. Abstr.) **(Fre)**
[Light and electron microscopy of primary localized cutaneous amyloidosis] Sigg C, et al. **Hautarzt** 1983 Nov; 34(11):561–8 (Eng. Abstr.) **(Ger)**
[Isolated tumor-like amyloidosis of the stomach] Bethke BA, et al. **Med Welt** 1983 Dec 16;34(50):1422–5 **(Ger)**
[Amyloidosis of unusual localization] Adorján A. **Morphol Igazsagugyi Orv Sz** 1984 Jan;24(1):46–50 (Eng. Abstr.) **(Hun)**
[The role of fibroblasts in amyloid formation] Balázs M. **Morphol Igazsagugyi Orv Sz** 1983 Jul;23(3):197–204 (Eng. Abstr.) **(Hun)**
[Pathogenetic, histopathologic and clinical aspects of amyloidosis: apropos of 2 cases [illegible] sites of otorhinolaryngologic importance] Vitiello R, et al. **Acta Otorhinolaryngol Ital** 1984 Mar–Apr;4(2):207–12 (Eng. Abstr.) **(Ita)**
[Localized amyloidosis of the ureter: report of a case] Yagi M, et al. **Hinyokika Kiyo** 1983 Feb;29(2):227–32 (Eng. Abstr.) **(Jpn)**
[Electron microscopic studies of lichen amyloidosis with abnormal serum lipoproteins. 1. Polyacrylamide gel electrophoresis of lipoproteins] Asagami C, et al. **Nippon Hifuka Gakkai Zasshi** 1983 May;93(6):591–600 **(Jpn)**
[Electron microscopic and PAG electrophoretic investigation of lichen amyloidosis associated with dyslipoproteinemia—changes of eruption and electrophoretic pattern of serum lipoproteins by clofibrate administration] Asagami C, et al. **Nippon Hifuka Gakkai Zasshi** 1983 Jun;93(7):723–34 **(Jpn)**
[Hyperfunction of cutaneous fibroblasts in macular amyloidosis—electron microscopy study] Ishii M, et al. **Nippon Hifuka Gakkai Zasshi** 1983 Nov;93(12):1319–27 **(Jpn)**
[Kimura's disease accompanied with lichen amyloidosus] Sakuma M, et al. **Nippon Hifuka Gakkai Zasshi** 1984 Mar; 94(3):225–33 **(Jpn)**
[Connective tissue the site of development of amyloidosis] Nakagawa S. **Nippon Rinsho** 1984 May;42(5):1122–9 **(Jpn)**
[Histopathological study of the skin in familial amyloid polyneuropathy, with special reference to the disturbance of dermal nerves] Ikeda S, et al. **Rinsho Shinkeigaku** 1983 Jun;23(6):509–13 (Eng. Abstr.) **(Jpn)**
[How to recognize amyloidosis of the liver] Vinogradova OM, et al. **Ter Arkh** 1983;55(10):19–22 (11 ref.) (Eng. Abstr.) **(Rus)**
[Changes in the nervous system in amyloidosis] Bekker GM. **Zh Nevropatol Psikhiatr** 1983;83(8):1181–4 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Esophageal manometry in systemic amyloidosis. A study of 30 patients. Rubinow A, et al. **Am J Med** 1983 Dec; 75(6):951–6
Resting and exercise hemodynamics in constrictive pericarditis and a case of cardiac amyloidosis mimicking constriction. Robbins MA, et al. **Cathet Cardiovasc Diagn** 1983;9(5):463–71
Cardiac amyloidosis and idiopathic hypertrophic subaortic stenosis. Daniels RA, et al. **J Med Soc NJ** 1984 Jun; 81(6):481–4
Amyloidosis [letter] Varga J. **J Med Soc NJ** 1984 Mar; 81(3):248
[Amyloidosis, Gaucher's disease, Hand–Schueller–Christian syndrome. Clinicodiagnostic viewpoint of metabolic diseases of the reticulohistiocytary system] Zöller H, et al. **Med Welt** 1983 Oct 21;34(42):1179–83 **(Ger)**
[Echocardiographic study in amyloidosis and idiopathic hemochromatosis] Candell-Riera J, et al. **Rev Esp Cardiol** 1983;36(5):411–6 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

The effect of treatment of the associated disease on the development of amyloidosis in the experimental animal. Kennedy JS, et al. **J Pathol** 1983 Sep;141(1):11–5
[Prevention and treatment of amyloidosis in patients with chronic inflammatory diseases of the lungs] Ivaniuta OM, et al. **Vrach Delo** 1984 May;(5):51–5 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Cerebral amyloid angiopathy manifesting as recurrent intracerebral hemorrhage. Finelli PF, et al. **Arch Neurol** 1984 Mar;41(3):330–3
Computed tomographic appearances of cardiac amyloidosis. Sekiya T, et al. **Br Heart J** 1984 May;51(5):519–22
Computed tomography of macroglossia secondary to amyloidosis. Manco LG, et al. **J Comput Assist Tomogr** 1984 Aug;8(4):659–61
Primary amyloid tumor of the lacrimal gland: CT findings. Motta AO, et al. **J Comput Assist Tomogr** 1983 Dec; 7(6):1079–80
Computed tomography of amyloidosis involving retroperitoneal lymph nodes mimicking lymphoma. Takebayashi S, et al. **J Comput Assist Tomogr** 1984 Oct; 8(5):1025–7

RADIONUCLIDE IMAGING

Negative myocardial technetium-99m pyrophosphate scintigraphy in amyloid heart disease associated with type AA systemic amyloidosis. Leinonen H, et al. **Am J Cardiol** 1984 Jan 15;53(2):380–1
Scintigraphic findings in a primary cerebral amyloidoma. Moreno AJ, et al. **Clin Nucl Med** 1983 Nov;8(11):528–30
[Gallium scintigraphy of kidney amyloidosis] Tsukioka M, et al. **Rinsho Hoshasen** 1981 Dec;26(13):1431–2 **(Jpn)**

SURGERY

Primary amyloidosis of the maxillary sinus. Denneny JC 3d, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1984 Spring; 37(1):79–81
[A case of amyloidosis of the ureter] Iizumi T, et al. **Hinyokika Kiyo** 1983 Jan;29(1):45–51 (Eng. Abstr.) **(Jpn)**

THERAPY

Regular reinfusion of ascites during haemodialysis in a patient with amyloidosis. Nicholls AJ, et al. **Br Med J [Clin Res]** 1983 Sep 10;287(6394):726
Continuous ambulatory peritoneal dialysis in systemic amyloidosis and end-stage renal disease. Browning MJ, et al. **J R Soc Med** 1984 Mar;77(3):189–92

VETERINARY

Secondary renal amyloidosis and its consequences in the dog. Dobos-Kovács M, et al. **Acta Vet Acad Sci Hung** 1982; 30(4):171–86
Resistance of Rowett athymic (nude) rats to casein-induced amyloidosis. Vargas KJ, et al. **Am J Vet Res** 1983 Aug; 44(8):1597–9
Secondary amyloidosis in a bull with Chediak-Higashi syndrome. Burns GL, et al. **Can J Comp Med** 1984 Jan; 48(1):113–4
Cutaneous amyloidosis associated with a monoclonal gammopathy in a dog. Schwartzman RM. **J Am Vet Med Assoc** 1984 Jul 1;185(1):102–4
Case for diagnosis. Hepatic amyloidosis. Imes GD Jr. **Milit Med** 1984 Jul;149(7):382, 414
Amyloidosis in rabbits infected with Trypanosoma evansi. Umeda M, et al. **Nippon Juigaku Zasshi** 1984 Apr; 46(2):251–5
Familial renal amyloidosis in Abyssinian cats. Boyce JT, et al. **Vet Pathol** 1984 Jan;21(1):33–8

AMYLOPECTIN

ANALYSIS

Cytochemical identification of PAS positive granules in Eimeria tenella sporozoite by microspectrophotometry. Nakai Y, et al. **Nippon Juigaku Zasshi** 1983 Jun;45(3):387–9

BIOSYNTHESIS

Amylopectin synthesis of the sporozoite of Eimeria tenella. Nakai Y, et al. **Nippon Juigaku Zasshi** 1983 Oct;45(5):673–7

AMYLOSE

Multiple-helical glucans. Sarko A, et al. **Biochem Soc Trans** 1983 Apr;11(2):139–42
Stability of the amylose-iodine complex. Moulik SP, et al. **Carbohydr Res** 1984 Feb 15;125(2):340–2
Identification of unique macroamylase with abnormally low affinity for macromolecular substrate by short-chain amylose assay methods. Adachi K, et al. **Clin Chim Acta** 1984 Mar 27;138(1):105–9

ANALOGS & DERIVATIVES

Hexadeoxycycloheptaamylose-pyridoxamine, an artificial transaminase with a 'deeper' binding pocket. Czarnik AW, et al. **Carbohydr Res** 1984 May 15;128(1):133–9
Kinetics of human pancreatic and salivary alpha-amylases with carboxymethylamyloses as substrates. Satomura S, et al. **Clin Chim Acta** 1984 Mar 27;138(1):21–9

ISOLATION & PURIFICATION

Molecular weight and related properties of lily amylose determined by monitoring of elution from TSK-GEL PW high performance gel chromatography columns by the low-angle laser light scattering technique and precision differential refractometry. Takagi T, et al. **J Biochem (Tokyo)** 1984 May;95(5):1459–67

METABOLISM

Allelic studies of the amylose-extender locus of Zea mays L.: levels of the starch branching enzymes. Hedman KD, et al. **Biochem Genet** 1983 Dec;21(11–12):1217–22

PHARMACODYNAMICS

The effect of amylose content on insulin and glucose responses to ingested rice. Goddard MS, et al. **Am J Clin Nutr** 1984 Mar;39(3):388–92

AMYOPLASIA CONGENITA see **ARTHROGRYPOSIS**

AMYOTONIA CONGENITA

ETIOLOGY

[Oppenheim's amyotonia in a newborn infant with diabetic embryopathy] Maszkiewicz W. **Wiad Lek** 1983 Jul 1; 36(13):1093–5 (Eng. Abstr.) **(Pol)**

AMYOTROPHIC LATERAL SCLEROSIS

BLOOD

Increased fragility of erythrocytes from amyotrophic lateral sclerosis (ALS) patients provoked by mechanical stress. Ronnevi LO, et al. **Acta Neurol Scand** 1984 Jan;69(1):20–6
Occurrence of reduced alpha 2-macroglobulin and lowered protease inhibiting capacity in plasma of amyotrophic lateral sclerosis patients. Festoff BW. **Ann NY Acad Sci** 1983;421:369–76
Insulin resistance in amyotrophic lateral sclerosis. Reyes ET, et al. **J Neurol Sci** 1984 Mar;63(3):317–24
Inhibition of terminal axonal sprouting by serum from patients with amyotrophic lateral sclerosis. Gurney ME, et al. **N Engl J Med** 1984 Oct 11;311(15):933–9
[Ceruloplasmin and copper in the serum of patients with amyotrophic lateral sclerosis (ALS)] Domżał T, et al. **Neurol Neurochir Pol** 1983 May–Jun;17(3):343–6 (Eng. Abstr.) **(Pol)**

CEREBROSPINAL FLUID

Lead in cerebrospinal fluid and its relationship to plasma lead in humans. Cavalleri A, et al. **J Appl Toxicol** 1984 Apr; 4(2):63–5
Cerebrospinal fluid (CSF) findings in amyotrophic lateral sclerosis. Leonardi A, et al. **J Neurol** 1984;231(2):75–8

CHEMICALLY INDUCED

ALS and heavy metals: a pilot case-control study. Roelofs-Iverson RA, et al. **Neurology (NY)** 1984 Mar; 34(3):393–5

COMPLICATIONS

The association of motor neuron disease and Alzheimer-type dementia. Drake ME Jr. **Am J Med Sci** 1984 May–Jun; 287(3):26–7
[Respiratory failure in amyotrophic lateral sclerosis—serial blood gas analysis] Mukai E, et al. **Rinsho Shinkeigaku** 1983

Jul;23(7):599–604 (Eng. Abstr.) **(Jpn)**

[Pulmonary pathology after 14 years of artificial ventilation of the lungs in amyotrophic lateral sclerosis] Popova LM, et al. **Anesteziol Reanimatol** 1984 Jan–Feb;(1):31–7 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Conjugal amyotrophic lateral sclerosis [letter] Paolino E, et al. **Ann Neurol** 1983 Dec;14(6):699

Eye movements in amyotrophic lateral sclerosis. Cohen B, et al. **J Neural Transm [Suppl]** 1983;19:305–15

Somatosensory evoked potentials in amyotrophic lateral sclerosis. Cosi V, et al. **J Neurol Neurosurg Psychiatry** 1984 Aug;47(8):857–61

[Charcot's disease and juvenile amyotrophic lateral sclerosis] Ben Hamida M, et al. **Rev Neurol (Paris)** 1984;140(3):202–6 (Eng. Abstr.) **(Fre)**

[Amyotrophic lateral sclerosis] Rossberg C, et al. **Med Welt** 1984 Jan 20;35(3):87–91 **(Ger)**

[Results of a serological examination of amyotrophic lateral sclerosis patients] Tkachenko EA, et al. **Vopr Virusol** 1984 Mar–Apr;29(2):191–5 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Neurotoxic and other side effects of high–dose interferon in amyotrophic lateral sclerosis. Färkkilä M, et al. **Acta Neurol Scand** 1984 Jul;70(1):42–6

Double–blind controlled trial of purified brain gangliosides in amyotrophic lateral sclerosis and experience with peripheral neuropathies. Bradley WG. **Adv Exp Med Biol** 1984;174:565–73

Gangliosides—clinical overview. DeFelice SL, et al. **Adv Exp Med Biol** 1984;174:625–8

Trials of ganglioside therapy for amyotrophic lateral sclerosis and diabetic neuropathy. Hallett M, et al. **Adv Exp Med Biol** 1984;174:575–9

Pulmonary effects of thyrotropin–releasing hormone in amyotrophic lateral sclerosis [letter] Braun SR, et al. **Lancet** 1984 Sep 1;2(8401):529–30

A double–blind controlled trial of bovine brain gangliosides in amyotrophic lateral sclerosis. Bradley WG, et al. **Neurology (NY)** 1984 Aug;34(8):1079–82

Ganglioside therapy for amyotrophic lateral sclerosis: a double–blind controlled trial. Harrington H, et al. **Neurology (NY)** 1984 Aug;34(8):1083–5

ENZYMOLOGY

[Activities of folate–derivative converting enzymes in the brain of patients with amyotrophic lateral sclerosis] Yoshino Y, et al. **Rinsho Shinkeigaku** 1983 Jul;23(7):563–9 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Apparent motor neuron disease following the use of pneumatic tools [letter] Gallagher JP, et al. **Ann Neurol** 1983 Dec;14(6):694–5

Amyotrophic lateral sclerosis and pet exposure [letter] Mulder DW, et al. **N Engl J Med** 1983 Dec 1;309(22):1388

Looking for the cause of amyotrophic lateral sclerosis [editorial] Rowland LP. **N Engl J Med** 1984 Oct 11; 311(15):979–81

FAMILIAL & GENETIC

Familial amyotrophic lateral sclerosis: features of multisystem degeneration. Tanaka J, et al. **Acta Neuropathol (Berl)** 1984; 64(1):22–9

Conjugal amyotrophic lateral sclerosis [letter] Schwarz KO. **Ann Neurol** 1984 Jun;15(6):613

[Presence of a large Y chromosome in familial amyotrophic lateral sclerosis] Tan YD. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1983 Aug; 16(4):201–5 (Eng. Abstr.) **(Chi)**

[Histocompatibility antigens in amyotrophic lateral sclerosis patients] Khondkarian OA, et al. **Zh Nevropatol Psikhiatr** 1984;84(2):161–4 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Passive transfer experiments in amyotrophic lateral sclerosis. Denys EH, et al. **Arch Neurol** 1984 Feb;41(2):161–3

Low percentage of T mu cells in amyotrophic lateral sclerosis. Westall FC, et al. **Immunol Lett** 1983;7(3):139–40

Deposits of IgG and C3 in the spinal cord and motor cortex of ALS patients. Donnenfeld H, et al. **J Neuroimmunol** 1984 Feb;6(1):51–7

[Neutralizing antibody levels against polioviruses in persons with amyotrophic lateral sclerosis] Nevšímal O, et al. **Cesk Neurol Neurochir** 1984 Mar;47(2):85–9 (Eng. Abstr.) **(Cze)**

[Use of the immunofluorescence and immunodiffusion methods for the detection of anti–brain antibodies in the sera of patients with central nervous system diseases] Gannuszkina IW, et al. **Neuropatol Pol** 1983;21(2):183–90 (Eng. Abstr.) **(Pol)**

[Changes in immunity in amyotrophic lateral sclerosis] Khondkarian OA, et al. **Sov Med** 1983;(9):33–6 (Eng. Abstr.) **(Rus)**

METABOLISM

Concentrations of immunoreactive thyrotropin–releasing hormone in spinal cord of patients with amyotrophic lateral sclerosis. Mitsuma T, et al. **Am J Med Sci** 1984 Mar–Apr; 287(2):34–6

Calcium and vitamin D metabolism in Guamanian Chamorros with amyotrophic lateral sclerosis and parkinsonism–dementia. Yanagihara R, et al. **Ann Neurol** 1984 Jan;15(1):42–8

Sialosylglobotetraosylceramide: a marker for amyotropic lateral sclerosis. Kundu SK, et al. **Biochem Biophys Res Commun** 1984 Jan 13;118(1):82–9

Increased manganese level in spinal cords of amyotrophic lateral sclerosis determined by radiochemical neutron activation analysis. Miyata S, et al. **J Neurol Sci** 1983 Oct; 61(2):283–93

DNA damage and chronic neuronal degenerations. Robison SH, et al. **J Neurol Sci** 1984 Apr;64(1):11–20 (90 ref.)

Lead concentrations in blood, plasma, erythrocytes, and cerebrospinal fluid in amyotrophic lateral sclerosis. Stober T, et al. **J Neurol Sci** 1983 Sep;61(1):21–6

Possible involvement of folate cycle in the pathogenesis of amyotrophic lateral sclerosis. Yoshino Y. **Neurochem Res** 1984 Mar;9(3):387–91

[Determination of the Ca/P atomic ratio in the spinal cord of patients with amyotrophic lateral sclerosis by neutron activation and X–ray fluorescence analysis] Mizumoto Y, et al. **Radioisotopes** 1983 Nov;32(11):551–4 (Eng. Abstr.) **(Jpn)**

[Immunocytochemical study of spheroid filament protein in amyotrophic lateral sclerosis using an antiserum to 200K peptide of neurofilament and anti–tubulin antibody] Kurisaki H, et al. **Rinsho Shinkeigaku** 1983 Nov; 23(11):1013–20 (Eng. Abstr.) **(Jpn)**

MICROBIOLOGY

Virus cultures in amyotrophic lateral sclerosis [letter] Averback P. **Can Med Assoc J** 1983 Nov 15;129(10):1070–1

OCCURRENCE

Epidemiologic study of amyotrophic lateral sclerosis in Sardinia, Italy. Giagheddu M, et al. **Acta Neurol Scand** 1983 Dec;68(6):394–404

Changes in the incidence of amyotrophic lateral sclerosis in Israel. Kahana E, et al. **Arch Neurol** 1984 Feb;41(2):157–60

Motor neuron disease in Puerto Rico: a study of 76 cases. Marco R, et al. **Bol Asoc Med PR** 1983 Sep;75(9):400–2

Amyotrophic lateral sclerosis in the province of Parma, Italy: a clinical and epidemiological study in the period 1960–1980. Juvarra G, et al. **Ital J Neurol Sci** 1983 Dec; 4(4):473–8

[Various regional features of the clinical picture and epidemiology of amyotrophic lateral sclerosis] Alaev BA. **Zh Nevropatol Psikhiatr** 1983;83(9):1334–7 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Morphometric and biochemical studies of peripheral nerves in amyotrophic lateral sclerosis. Bradley WG, et al. **Ann Neurol** 1983 Sep;14(3):267–77

Nystagmus in motor neuron disease: clinicopathological study of two cases. Kushner MJ, et al. **Ann Neurol** 1984 Jul;16(1):71–7

Quantitative axon terminal and end–plate morphology in amyotrophic lateral sclerosis. Bjornskov EK, et al. **Arch Neurol** 1984 May;41(5):527–30

Neurofibrillary axonal swellings and amyotrophic lateral sclerosis. Delisle MB, et al. **J Neurol Sci** 1984 Feb; 63(2):241–50

Fine structural observations of neurofilamentous changes in amyotrophic lateral sclerosis. Hirano A, et al. **J Neuropathol Exp Neurol** 1984 Sep;43(5):461–70

Fine structural study of neurofibrillary changes in a family with amyotrophic lateral sclerosis. Hirano A, et al. **J Neuropathol Exp Neurol** 1984 Sep;43(5):471–80

The motor end–plate fine structure and ultrastructural localization of acetylcholine receptors in amyotrophic lateral sclerosis. Tsujihata M, et al. **Muscle Nerve** 1984 Mar–Apr;7(3):243–9

[Synaptological study of ventral horn cells in amyotrophic lateral sclerosis] Iwasaki Y. **Rinsho Shinkeigaku** 1984 Feb; 24(2):205–13 (Eng. Abstr.) **(Jpn)**

[Peculiar patchy astrocytosis of the precentral cortex in amyotrophic lateral sclerosis] Kamo H, et al. **Rinsho Shinkeigaku** 1983 Nov;23(11):974–81 (Eng. Abstr.) **(Jpn)**

[Studies on the pathogenesis of ALS with review of literature] Mozai T. **Rinsho Shinkeigaku** 1983 Dec; 23(12):1035–45 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Gait patterns in patients with amyotrophic lateral sclerosis. Goldfarb BJ, et al. **Arch Phys Med Rehabil** 1984 Feb; 65(2):61–5

Conduction of the sciatic nerve in its proximal and distal segment in patients with ALS (amyotrophic lateral sclerosis). Koutlidis RM, et al. **J Neurol Sci** 1984 May; 64(2):183–91

Suppression of sprouting at the neuromuscular junction by immune sera. Gurney ME. **Nature** 1984 Feb 9–15; 307(5951):546–8

PSYCHOLOGY

Behavioral disorders in multiple sclerosis, temporal lobe epilepsy, and amyotrophic lateral sclerosis. An epidemiologic study. Schiffer RB, et al. **Arch Neurol** 1984 Oct;41(10):1067–9

The pariah syndrome: the social disease of chronic illness. Rabin D, et al. **Pharos** 1983 Summer;46(3):37–40

THERAPY

Plasmapheresis with immunosuppression in amyotrophic lateral sclerosis. Kelemen J, et al. **Arch Neurol** 1983 Nov; 40(12):752–3

Electrical stimulation enhanced recovery of function: how are peptides involved? [letter] Walker JB. **Lancet** 1983 Oct 15;2(8355):912

[Limitations of neurologic intensive care] Schuchardt V, et al. **Anasth Intensivther Notfallmed** 1984 Apr;19(2):65–70 (Eng. Abstr.) **(Ger)**

URINE

[Determination of urine thiocyanate in patients with amyotrophic lateral sclerosis] Yoshida Y, et al. **Nippon Naika Gakkai Zasshi** 1984 Mar;73(3):316–22 **(Jpn)**

ANABASINE see under **PIPERIDINES**

ANABOLIC STEROIDS

The coercive power of drugs in sports. Murray TH. **Hastings Cent Rep** 1983 Aug;13(4):24–30

Use of androgenic anabolic steroids by athletes [letter] Frankle MA, et al. **JAMA** 1984 Jul 27;252(4):482

Olympics drug testing: basis for future study [news] Gunby P. **JAMA** 1984 Jul 27;252(4):454–5, 459–60

Use of anabolic steroids by athletes [letter] Johnson DA. **JAMA** 1984 Mar 16;251(11):1430–1

ADMINISTRATION & DOSAGE

The absorption of anabolic agents from pellets implanted at the base of the ear in sheep. Harrison LP, et al. **J Vet Pharmacol Ther** 1983 Dec;6(4):293–303

Correct use of growth promoting implants [letter] Best JM, et al. **Vet Rec** 1984 Feb 4;114(5):127–8

[Correction of protein metabolism in myocardial infarction according to the results of radionuclide studies with 131–albumin during during treatment with a number of drugs (retabolyl, methyluracil, panangin, strophanthin) and combinations of them] Leshchinskiĭ LA, et al. **Kardiologiia** 1984 Mar;24(3):35–9 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Anabolic steroids in athletics. Mellion MB. **Am Fam Physician** 1984 Jul;30(1):113–9

Induction of the obstructive sleep apnea syndrome in a woman by exogenous androgen administration. Johnson MW, et al. **Am Rev Respir Dis** 1984 Jun;129(6):1023–5

Androgens and hepatocellular carcinoma in an athlete [letter] Overly WL, et al. **Ann Intern Med** 1984 Jan;100(1):158–9

High–density–lipoprotein cholesterol in bodybuilders v powerlifters. Negative effects of androgen use. Hurley BF, et al. **JAMA** 1984 Jul 27;252(4):507–13

Tamoxifen for gynecomastia induced by anabolic steroids? [letter] Spano F, et al. **N Engl J Med** 1984 Sep 27; 311(13):861–2

ANALYSIS

Analysis of anabolic steroids in body fluids by capillary gas chromatography with a two–channel detection system and a computer. Uralets VP, et al. **J Chromatogr** 1983 Nov 25;279:695–707

Monitoring and identification of residues of anabolic preparations in slaughtered cattle by HPLC with diode array detection. Jansen EH, et al. **Vet Q** 1984 Apr;6(2):60–5

CHEMICAL SYNTHESIS

[Synthesis of (+/–)–13 beta, 17 alpha–diethyl–17 beta–hydroxy–gonano(3,2–C) pyrazoles and (2,3–C)furazanes] Tian WS, et al. **Yao Hsueh Hsueh Pao** 1984 Jan;19(1):35–40 (Eng. Abstr.) **(Chi)**

METABOLISM

Studies related to the metabolism of anabolic steroids in the horse: the metabolism of 1–dehydrotestosterone and the use of fast atom bombardment mass spectrometry in the identification of steroid conjugates. Dumasia MC, et al. **Biomed Mass Spectrom** 1983 Jul;10(7):434–40

PHARMACODYNAMICS

Anabolic steroids in athletics: how well do they work and how dangerous are they? Lamb DR. **Am J Sports Med** 1984 Jan–Feb;12(1):31–8 (84 ref.)

Effect of anabolic steroids on reproductive function of young mares. Maher JM, et al. **J Am Vet Med Assoc** 1983 Sep 1;183(5):519–24

Reversible azoospermia induced by the anabolic steroid 19-nortestosterone. Schürmeyer T, et al. **Lancet** 1984 Feb 25;1(8374):417-20

Effect of repeated implantation with anabolic agents on growth rate, carcase weight, testicular size and behaviour of bulls. O'Lamhna M, et al. **Vet Rec** 1983 Dec 3; 113(23):531-4

Effect of long or short acting anabolic agents, given singly or repeated, on growth rate and carcase weight of steers. O'Lamhna MP, et al. **Vet Rec** 1984 Feb 25;114(8):182-4

Myotrophic effects of anabolic steroids. Salmons S. **Vet Res Commun** 1983 Dec;7(1-4):19-26

Effect of androgenic, oestrogenic, anabolic, progestational and catatoxic steroids on the kidney, adrenal and liver mass of the rat. Lax ER, et al. **Z Versuchstierkd** 1984; 26(3):99-105

[Effects of nandrolone decanoate on bone mineral content and intestinal absorption of calcium] Nuti R, et al. **Minerva Med** 1984 Jan 28;75(3-4):109-13 (Eng. Abstr.) **(Ita)**

THERAPEUTIC USE

Anabolic-androgenic steroid treatment of liver diseases. Gluud C. **Liver** 1984 Jun;4(3):159-69

[Recent aspects of therapy with androgenic and anabolic steroids] Schambach H, et al. **Z Gesamte Inn Med** 1983 Nov 15;38(22):242-6 (Eng. Abstr.) **(Ger)**

[Effect of cardiac glycosides and anabolic preparations on the indices of the blood oxygen balance and carbohydrate metabolism in ischemic heart disease patients in the initial (preclinical) stage of heart failure] Denisiuk VI, et al. **Ter Arkh** 1984;56(4):64-7 (Eng. Abstr.) **(Rus)**

[Therapeutic correction with retabolil of functional plastic dissociation during strophanthin use on acute myocardial infarct patients] Leshchinskiĭ LA, et al. **Ter Arkh** 1984; 56(4):23-7 (Eng. Abstr.) **(Rus)**

[Experience with the clinical use of a complex of amino acids and anabolic preparations in treating peptic ulcer patients] Trusov VV, et al. **Ter Arkh** 1984;56(2):52-5 (Eng. Abstr.) **(Rus)**

URINE

Improved capillary gas-chromatographic - mass spectrometric method for the determination of anabolic steroid and corticosteroid metabolites in horse urine using on-column injection with high-boiling solvents. Houghton E, et al. **Analyst** 1984 Mar;109(3):273-5

Capillary gas chromatographic-mass spectrometric detection of anabolic steroids. Cartoni GP, et al. **J Chromatogr** 1983 Nov 25;279:515-22

Procedure for the gas chromatographic-mass spectrometric confirmation of some exogenous growth-promoting compounds in the urine of cattle. Tuinstra LG, et al. **J Chromatogr** 1983 Nov 25;279:533-42

ANAEROBIC BACTERIA see **BACTERIA, ANAEROBIC**

ANAEROBIOSIS see under **METABOLISM**

ANAL GLAND NEOPLASMS

PATHOLOGY

Carcinoma in anorectal fistula of rectal mucosal origin. Katayama Y, et al. **Acta Pathol Jpn** 1984 May;34(3):649-54

Sebaceous and hepatoid gland neoplasms of dogs and cats. Goldschmidt MH. **Am J Dermatopathol** 1984 Jun; 6(3):287-93

RADIOTHERAPY

Radiation therapy of anal carcinoma. Glimelius B, et al. **Acta Radiol [Oncol]** 1983;22(4):273-9

ANAL SACS

SURGERY

A procedure for descenting ferrets. Rowley J. **Mod Vet Pract** 1984 May;65(5):389-90

ANAL SPHINCTER see **ANUS**

ANAL STAGE see under **PSYCHOSEXUAL DEVELOPMENT**

ANALEPTICS

MDA: an agent that produces stimulus effects similar to those of 3,4-DMA, LSD and cocaine. Glennon RA, et al. **Eur J Pharmacol** 1984 Mar 23;99(2-3):249-50

The chewing of khat in Somalia. Elmi AS. **J Ethnopharmacol** 1983 Aug;8(2):163-76

[Waking effect in the rat of semi-chronic treatment with oxolinic acid (letter)] Tognetti P, et al. **Presse Med** 1984 Jun 9;13(24):1514-5 **(Fre)**

ADMINISTRATION & DOSAGE

How much stimulant medication is appropriate for hyperactive school children? Brown RT, et al. **J Sch Health** 1984 Mar;54(3):128-30

[The use of mepixantone in general anesthesia] Bertoldi G, et al. **Minerva Anestesiol** 1983 Jun;49(6):385-8 (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

Monitoring psychostimulant side effects in hyperactive children [letter] Golinko BE. **Drug Intell Clin Pharm** 1984 Apr;18(4):324

ANALYSIS

Comparison of saliva and urine samples in thin-layer chromatographic detection of central nervous stimulants. Vapaatalo H, et al. **Int J Clin Pharmacol Res** 1984;4(1):5-8

ANTAGONISTS & INHIBITORS

Evidence for presynaptic antagonism by amantadine of indirectly acting central stimulants. Menon MK, et al. **Psychopharmacology (Berlin)** 1984;82(1-2):89-92

BLOOD

Blood level measurement of psychoactive drugs in pediatric psychiatry. Gualtieri CT, et al. **Ther Drug Monit** 1984; 6(2):127-41 (129 ref.)

CHEMICAL SYNTHESIS

Picrotoxin-like lactones. McChesney JD, et al. **J Pharm Sci** 1983 Oct;72(10):1131-4

METABOLISM

Demethylation in vivo of a xanthine-related respiratory analeptic, ethimizol. Soltés L, et al. **Xenobiotica** 1983 Nov; 13(11):683-7

PHARMACODYNAMICS

Influence of eserine on the learning and memory facilitating effect of central stimulants. Yonkov DI, et al. **Acta Physiol Pharmacol Bulg** 1983;9(3):11-7

The effects of oral almitrine on pattern of breathing and gas exchange in patients with chronic obstructive pulmonary disease. Stradling JR, et al. **Clin Sci** 1984 Apr;66(4):435-42

Possible involvement of amine oxidase inhibition in the sympathetic activation induced by khat (Catha edulis) chewing in humans. Nencini P, et al. **J Ethnopharmacol** 1984 Jun;11(1):79-86

omega-Aminosulfonic acids as depressant or excitant compounds: their effect on the behavior and electroencephalogram of young chickens. Horisaka K. **J Pharmacobiodyn** 1983 Jul;6(7):505-11

Possible role of brain dopaminergic systems in the memory effects of central stimulants. Yonkov DI. **Methods Find Exp Clin Pharmacol** 1984 May;6(5):235-9

Analeptic effects of centrally injected TRH and analogues of TRH in the pentobarbitone-anaesthetized rat. Sharp T, et al. **Neuropharmacology** 1984 Mar;23(3):339-48

Cholinergic modulation of stimulant-induced behavior. Gonzalez LP, et al. **Pharmacol Biochem Behav** 1984 Mar; 20(3):397-403

Self-administration of central stimulants by rats: a comparison of the effects of d-amphetamine, methylphenidate and McNeil 4612. Nielsen JA, et al. **Pharmacol Biochem Behav** 1984 Feb;20(2):227-32

Play soliciting in juvenile male rats: effects of caffeine, amphetamine and methylphenidate. Thor DH, et al. **Pharmacol Biochem Behav** 1983 Oct;19(4):725-7

Behavioural tolerance to amphetamine and other psychostimulants: the case for considering behavioural mechanisms. Demellweek C, et al. **Psychopharmacology (Berlin)** 1983;80(4):287-307 (160 ref.)

Phencyclidine-induced locomotor activity in the rat is blocked by 6-hydroxydopamine lesion of the nucleus accumbens: comparisons to other psychomotor stimulants. French ED, et al. **Psychopharmacology (Berlin)** 1984; 82(1-2):83-8

[Antagonism of 4-aminopyridine on the central nervous system depressant effects of scopolamine in rabbits] Xu JH, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Mar;5(1):8-11 (Eng. Abstr.) **(Chi)**

[Relation of the effect of psychostimulants on learning ability to internal and external factors] Belozertsev IuA. **Biull Eksp Biol Med** 1984 Jan;97(1):53-5 (Eng. Abstr.) **(Rus)**

[Interhemispheric relation of brain structures in various functional states of the central nervous system] Lapina IA, et al. **Fiziol Zh SSSR** 1984 Jan;70(1):3-8 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Caution of use of 4-aminopyridine [letter] Cozanitis DA, et al. **Am J Hosp Pharm** 1983 Oct;40(10):1620, 1622

Improvement in ventilation and perfusion [letter] Sadoul P. **Chest** 1984 Jan;85(1):141-3

Effects of almitrine and oxygen on ventilation and gas exchange in patients with chronic respiratory insufficiency. Hawryłkiewicz I, et al. **Eur J Respir Dis** 1983 Oct; 64(7):512-6

The persistence of stimulant effects in chronically treated children: further evidence of an inverse relationship between drug effects and placebo levels of response. Gualtieri CT, et al. **Psychopharmacology (Berlin)** 1984; 83(1):44-7

[Treatment of chronic aplastic anemia with securinine--analysis of 123 cases] **Chung Hua Nei Ko Tsa Chih** 1983 Dec;22(12):764-6 (Eng. Abstr.) **(Chi)**

[Effect of oral almitrine on the sleep apnea syndrome] Mangin P, et al. **Rev Fr Mal Respir** 1983;11(6):899-906 (Eng. Abstr.) **(Fre)**

TOXICITY

Toxicity studies on Catha edulis. Tariq M, et al. **Dev Toxicol Environ Sci** 1983;11:337-40

[Attempted suicide by intake of pholedrine] Glös J, et al. **Z Gesamte Inn Med** 1983 Nov 15;38(22):617-9 (Eng. Abstr.) **(Ger)**

ANALGESIA

Studies on the turnover of acetylcholine in the brain of rats during the course of acupuncture analgesia. Guan XM, et al. **Acta Acad Med Wuhan** 1983;3(3):129-36

Abstracts: 4th International Congress, Belgian Society of Anesthesia and Resuscitation. 7-10 September 1983, Louvain-en-Woluwe - Brussels. **Acta Anaesthesiol Belg** 1983;34 Suppl 1:1-151

The effect of certain neurotransmitters on the analgesic action of enkephalinamide. Laskawiec G, et al. **Acta Physiol Pol** 1982 Sep-Dec;33(5-6):559-66

Synergism between metoclopramide and electroacupuncture analgesia. Xu ZB, et al. **Acupunct Electrother Res** 1983; 8(3-4):283-8

Infusion analgesia for acute war injuries. A comparison of pentazocine and ketamine. Bion JF. **Anaesthesia** 1984 Jun; 39(6):560-4

Oral ketamine [letter] Grant IS, et al. **Anaesthesia** 1984 Jan; 39(1):66-7

Obstetric analgesia, anaesthesia and the Apgar score. Murphy JF, et al. **Anaesthesia** 1984 Aug;39(8):760-3

Plasma morphine concentrations and analgesic effects of lumbar extradural morphine and heroin. Watson J, et al. **Anesth Analg** 1984 Jul;63(7):629-34

Intrathecal and epidural administration of opioids. Cousins MJ, et al. **Anesthesiology** .984 Sep;61(3):276-310 (242 ref.)

Narcotic analgesia--ceiling effect? [letter] Eisele JH Jr, et al. **Anesthesiology** 1984 Apr;60(4):392

Pharmacokinetic aspects of intrathecal morphine analgesia. Nordberg G, et al. **Anesthesiology** 1984 May;60(5):448-54

Selective breeding for high and low levels of opiate-induced analgesia in mice. Belknap JK, et al. **Behav Genet** 1983 Jul;13(4):383-96

Analgesic effect of intrathecal ketamine in rats. Ahuja BR. **Br J Anaesth** 1983 Oct;55(10):991-5

Controlled comparison of intrathecal cinchocaine with intrathecal cinchocaine and morphine. Clinical effects and plasma morphine concentrations. Moore RA, et al. **Br J Anaesth** 1984 Aug;56(8):837-41

Analgesic interaction between nitrous oxide and delta-9-tetrahydrocannabinol in the rat. Novelli GP, et al. **Br J Anaesth** 1983 Oct;55(10):997-1000

Pharmacokinetics and analgesic effect of slow-release oral morphine sulphate in volunteers. Vater M, et al. **Br J Anaesth** 1984 Aug;56(8):821-7

Modification of endorphin/enkephalin analgesia and stress-induced analgesia by divalent cations, a cation chelator and an ionophore. Chapman DB, et al. **Br J Pharmacol** 1982 Feb;75(2):389-96

Comparative trial of rectal indomethacin and cryoanalgesia for control of early postthoracotomy pain. Keenan DJ, et al. **Br Med J [Clin Res]** 1983 Nov 5;287(6402):1335-7

Single nerve capsaicin: effects on pain and morphine analgesia in the formalin and foot-flick tests. Abbott FV, et al. **Brain Res** 1984 Mar 12;295(1):77-84

Stress induced analgesia in frogs: a naloxone insensitive system. Pezalla PD. **Brain Res** 1983 Nov 14;278(1-2):354-8

The neural basis of footshock analgesia: the effect of periaqueductal gray lesions and decerebration. Watkins LR, et al. **Brain Res** 1983 Oct 16;276(2):317-24

The neural basis of footshock analgesia: the role of specific ventral medullary nuclei. Watkins LR, et al. **Brain Res** 1983 Oct 16;276(2):305-15

The peripheral analgesic effect of morphine, codeine, pentazocine and d-propoxyphene. Molina N, et al. **Braz J Med Biol Res** 1983 Dec;16(4):345-52

Measurement of pain and analgesia in cancer patients. Wallenstein SL. **Cancer** 1984 May 15;53(10 Suppl):2260-6

Development of tolerance to the antinociceptive effect but not to the toxicity of trimethyltin after repeated exposure. Doctor SV, et al. **Dev Toxicol Environ Sci** 1983;11:587-90

Epidural morphine for post-hemorrhoidectomy analgesia. Kuo RJ. **Dis Colon Rectum** 1984 Aug;27(8):529-30

Ovarian steroids and modulation of morphine-induced analgesia and catalepsy in female rats. Banerjee P, et al. **Eur J Pharmacol** 1983 Dec 23;96(3-4):291-4

Enalapril, a new nonsulfhydryl angiotensin converting enzyme inhibitor, does not potentiate morphine analgesia. Mojaverian P, et al. **Eur J Pharmacol** 1984 Feb 17; 98(2):303-6

Different mechanisms are involved in the respiratory depression and analgesia induced by neurotensin in rats. Pazos A, et al. **Eur J Pharmacol** 1984 Feb 10;98(1):119-23

A comparative study in rats of the respiratory depression and analgesia induced by mu- and delta-opioid agonists. Pazos A, et al. **Eur J Pharmacol** 1984 Mar 16;99(1):15-21

Studies in vivo with dynorphin-(1-9): analgesia but not gastrointestinal effects following intrathecal administration to mice. Porreca F, et al. **Eur J Pharmacol** 1983 Jul 22; 91(2-3):291-4

Gossypin-induced analgesia in mice. Viswanathan S, et al. **Eur J Pharmacol** 1984 Feb 17;98(2):289-91

Pain perception and alleviation in animals. Erickson HH, et al. **Fed Proc** 1984 Apr;43(5):1307-12

REM sleep deprivation decreases the antinociceptive property of enkephalinase-inhibition, morphine and cold-water-swim. Ukponmwan OE, et al. **Gen Pharmacol** 1984;15(3):255-8

Postoperative analgesia. Warfield CA, et al. **Hosp Pract [Off]** 1984 Jun;19(6):85-6, 91-2

Moderating effects of contextual variables on the relationship between hypnotic susceptibility and suggested analgesia. Spanos NP, et al. **J Abnorm Psychol** 1984 Aug;93(3):285-94

Nitrous oxide analgesia for outpatient surgery. Corboy JM. **J Am Intraocul Implant Soc** 1984 Spring;10(2):232-4

Anaesthesia with continuous thiopentone infusion, epidural morphine and relaxant. Adu-Gyamfi Y, et al. **J Int Med Res** 1983;11(4):222-7

Effect of midbrain stimulus-induced analgesia on immune function in humans. Schanker HM, et al. **J Neuroimmunol** 1983 Oct;5(2):185-9

Antagonism of morphine-induced analgesia, tolerance and dependence by alpha-melanocyte-stimulating hormone. Contreras PC, et al. **J Pharmacol Exp Ther** 1984 Apr; 229(1):21-6

Cerebral delta opioid receptors mediate analgesia but not the intestinal motility effects of intracerebroventricularly administered opioids. Galligan JJ, et al. **J Pharmacol Exp Ther** 1984 Jun;229(3):641-8

A novel phencyclidine analog interacts selectively with mu opioid receptors. Itzhak Y, et al. **J Pharmacol Exp Ther** 1984 Aug;230(2):383-6

Roles of mu, delta and kappa opioid receptors in spinal and supraspinal mediation of gastrointestinal transit effects and hot-plate analgesia in the mouse. Porreca F, et al. **J Pharmacol Exp Ther** 1984 Aug;230(2):341-8

Potentiation of narcotic-induced antinociception by tripelennamine in morphine-tolerant and drug-naive mice. Tagashira E, et al. **J Pharmacol Exp Ther** 1984 Apr; 229(1):214-7

Minilaparotomy under acupuncture analgesia. Dias PL, et al. **J R Soc Med** 1984 Apr;77(4):295-8

Pain control following renal infarction/ablation using continuous epidural combined anesthesia/analgesia. Jordan GH, et al. **J Urol** 1983 Nov;130(5):861-2

Involvement of different mechanisms, opioid and non-opioid forms, in the analgesia induced by footshock (FS) and immobilized-water immersion (IW) stress. Izumi R, et al. **Jpn J Pharmacol** 1983 Oct;33(5):1104-6

Relationship between synaptosomal calcium uptake and antinociceptive action of morphine. Konno F, et al. **Jpn J Pharmacol** 1983 Jun;33(3):619-26

The role of the catecholaminergic mechanism in foot shock (FS) stress- and immobilized-water immersion (IW) stress-induced analgesia in mice. Takahashi M, et al. **Jpn J Pharmacol** 1984 Jun;35(2):175-9

Alfentanil infusion for sedation and analgesia in intensive care [letter] Yate PM, et al. **Lancet** 1984 Aug 18;2(8399):396-7

Analgesic effects of ethylketocyclazocine and morphine in rat and toad. Carr KD, et al. **Life Sci** 1984 Aug 27; 35(9):997-1003

Pain control by endogenous enkephalins is mediated by mu opioid receptors. Chaillet P, et al. **Life Sci** 1983;33 Suppl 1:685-8

Clonidine analgesia: tolerance and cross-tolerance to autoanalgesia. Chance WT. **Life Sci** 1983 Nov 28; 33(22):2241-6

Effect of prolyl-leucyl-glycinamide and alpha-melanocyte-stimulating hormone on levorphanol-induced analgesia, tolerance and dependence. Contreras PC, et al. **Life Sci** 1984 Jun 25;34(26):2559-66

Footshock produces analgesia but no gastrointestinal motility effects in the rat. Galligan JJ, et al. **Life Sci** 1983;33 Suppl 1:473-5

Agonist and antagonist properties of some benzomorphans on nociceptive reaction and intestinal transit in rats. Gambino MC, et al. **Life Sci** 1983;33 Suppl 1:461-4

Naltrexone prevents footshock-induced performance deficit in rats. McCubbin JA, et al. **Life Sci** 1984 May 21; 34(21):2057-66

Relative ability of N-methyl nalorphine and N-methyl levallorphan to prevent antinociception and intestinal transit inhibition in morphine treated rats. Notarnicola A, et al. **Life Sci** 1983;33 Suppl 1:481-4

Comparisons between warm and cold water swim stress in mice. O'Connor P, et al. **Life Sci** 1984 Aug 6;35(6):631-9

A spinal site mediates opiate analgesia in frogs. Stevens CW, et al. **Life Sci** 1983 Nov 21;33(21):2097-103

Social conflict activates opioid analgesic and ingestive behaviors in male mice. Teskey GC, et al. **Life Sci** 1984 Jul 16;35(3):303-15

Mechanisms of pain and analgesia as revealed by opiate research: summary and recommendations. Brown RM, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1983;45:70-5

Recent advances in research on pain and analgesia. Fields HL. **Natl Inst Drug Abuse Res Monogr Ser** 1983;45:3-18 (59 ref.)

Recent developments in the neurochemical bases of pain and analgesia. Gebhart GF. **Natl Inst Drug Abuse Res Monogr Ser** 1983;45:19-35 (98 ref.)

Evidence that disinhibition of brain stem neurones contributes to morphine analgesia. Fields HL, et al. **Nature** 1983 Dec 15-21;306(5944):684-6

Comparison of the antinociceptive effect between D-Arg containing dipeptides and tetrapeptides in mice. Sato T, et al. **Neuropeptides** 1984 Jun;4(4):269-79

Neuropharmacology of delta-aminolaevulinic acid—I. Effect of acute administration in rodents. Edwards SR, et al. **Neuropharmacology** 1984 Apr;23(4):477-81

No evidence for histamine-mediated morphine analgesia. Hough LB, et al. **Neuropharmacology** 1984 Jun;23(6):705-9

Comparison of the antinociceptive effects of intracerebroventricular injection of kyotorphin, cyclo (N-methyl-Tyr-Arg) and Met-enkephalin in mice. Sakurada T, et al. **Neuropharmacology** 1984 Jan;23(1):7-12

Antinociceptive and gastrointestinal effects of opiates: an analysis of the nature of the involvement of mu and delta receptors of the central nervous system in morphine-tolerant and non-tolerant mice. Sivam SP, et al. **Neuropharmacology** 1984 Jan;23(1):105-8

Analgesia induced by brief or more prolonged stress differs in its dependency on naloxone, 5-hydroxytryptamine and previous testing of analgesia. Tricklebank MD, et al. **Neuropharmacology** 1984 Apr;23(4):417-21

Evidence that stress augments morphine analgesia by increasing brain tryptophan. Kelly SJ, et al. **Neurosci Lett** 1984 Feb 24;44(3):305-10

Reduced nocturnal morphine analgesia in mice following a geomagnetic disturbance. Ossenkopp KP, et al. **Neurosci Lett** 1983 Oct 10;40(3):321-5

Analgesic effect of vibration and cooling on pain induced by intraneural electrical stimulation. Bini G, et al. **Pain** 1984 Mar;18(3):239-48

A comparison of the sites at which pentazocine and morphine act to produce analgesia. Llewelyn MB, et al. **Pain** 1983 Aug;16(4):313-31

Analgesic plasma concentrations of morphine in children with terminal malignancy receiving a continuous subcutaneous infusion of morphine sulfate to control severe pain. Nahata MC, et al. **Pain** 1984 Feb;18(2):109-14

Analgesia after lesions of nucleus reticularis magnocellularis: differential effect on supraspinal versus spinal pain reflexes. Zemlan FP, et al. **Pain** 1984 Mar;18(3):221-37

Potentiation of foot shock analgesia by thyrotropin releasing hormone. Butler PD, et al. **Peptides (Fayetteville)** 1984 May-Jun;5(3):635-9

Endogenous opiates: 1982. Olson GA, et al. **Peptides (Fayetteville)** 1983 Jul-Aug;4(4):563-76 (220 ref.)

Diurnal variations in the analgesic effectiveness of morphine in mice. Bornschein RL, et al. **Pharmacol Biochem Behav** 1977 Jun;6(6):621-6

Intermittent cold water stress-analgesia in rats: cross-tolerance to morphine. Girardot MN, et al. **Pharmacol Biochem Behav** 1984 Apr;20(4):631-3

Immobilization-induced analgesia: possible involvement of a non-opioid circulating substance. Jørgensen HA, et al. **Pharmacol Biochem Behav** 1984 Feb;20(2):289-92

Antinociception following microinjection of dibutyryl cyclic nucleotides into the caudal reticular formation and periaqueductal gray of the rat brain. Levy RA, et al. **Pharmacol Biochem Behav** 1983 Jul;19(1):79-84

Pharmacology of opioids. Martin WR. **Pharmacol Rev** 1983 Dec;35(4):283-323 (295 ref.)

Antinociceptive effect of centrally administered cimetidine and dimaprit in the rat. Netti C, et al. **Pharmacology** 1984; 28(5):262-7

Magnetic fields abolish the enhanced nocturnal analgesic response to morphine in mice. Kavaliers M, et al. **Physiol Behav** 1984 Feb;32(2):261-4

Analgesia induced by painful stimulation and/or anticipation of pain; different mechanisms are operating. Jakoubek B. **Physiol Bohemoslov** 1984;33(2):171-8

beta-Endorphin-induced analgesia is inhibited by synthetic analogs of beta-endorphin. Nicolas P, et al. **Proc Natl Acad Sci USA** 1984 May;81(10):3074-7

Methysergide and metergoline reduce morphine analgesia with no effect on the development of tolerance in rats. Romandini S, et al. **Psychopharmacology (Berlin)** 1984; 82(1-2):140-2

Involvement of dopamine in the antinociceptive response to footshock. Tricklebank MD, et al. **Psychopharmacology (Berlin)** 1984;82(3):185-8

Neurotensin-induced antinociception and hypothermia in mice: antagonism by TRH and structural analogs of TRH. Hernandez DE, et al. **Regul Pept** 1984 Jan;8(1):41-9

Inhibition of morphine analgesia by ascorbate. Willette RE, et al. **Res Commun Chem Pathol Pharmacol** 1983 Dec; 42(3):485-91

Potentiation of opiate analgesia and apparent reversal of morphine tolerance by proglumide. Watkins LR, et al. **Science** 1984 Apr 27;224(4647):395-6

Low-level lead exposure alters morphine antinociception in neonatal rats. Kitchen I, et al. **Toxicol Lett** 1984 Aug; 22(2):119-23

[Effects of dexamethasone and a locus coeruleus lesion on morphine analgesia, electro-acupuncture analgesia and stress analgesia] Di S, et al. **Chung Kuo Yao Li Hsueh Pao** 1983 Sep;4(3):153-6 (Eng. Abstr.) **(Chi)**

[Effects of clenbuterol on electroacupuncture analgesia and morphine analgesia in rats] Su SY, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Jun;5(2):82-4 (Eng. Abstr.) **(Chi)**

[Effect of microinjection of kainic acid into nucleus raphe dorsalis on electro-acupuncture, morphine and stress analgesia] Yu FS, et al. **Chung Kuo Yao Li Hsueh Pao** 1983 Dec;4(4):232-5 (Eng. Abstr.) **(Chi)**

[The role of the mesencephalic gray in acupuncture analgesia] Zhang CC, et al. **Sheng Li Ko Hsueh Chin Chan** 1983 Jul; 14(3):254-7 **(Chi)**

[Tiapride] Sopková B, et al. **Cas Lek Cesk** 1984 Mar 16; 123(11):326-7 **(Cze)**

[Experience with analgesia using Anecotan in the operating room] Toman Z. **Rozhl Chir** 1984 Jan;63(1):36-9 (Eng. Abstr.) **(Cze)**

[Postoperative analgesia: epidural administration of morphine] Badran M, et al. **Rev Med Suisse Romande** 1983 Sep;103(9):769-72 **(Fre)**

[Results of radiotherapy in recurrent colorectal tumors] Schmidt H, et al. **Strahlentherapie** 1984 May;160(5):288-92 (Eng. Abstr.) **(Ger)**

[Segmental effect of epidural morphine analgesia] Kuba Y, et al. **Masui** 1984 Feb;33(2):115-9 (Eng. Abstr.) **(Jpn)**

[Analgesic effects of epidural morphine. 2. Serum and csf levels of morphine during epidural injection of morphine] Niimura A, et al. **Masui** 1984 Jan;33(1):2-5 (Eng. Abstr.) **(Jpn)**

[Effect of destruction of nucleus reticularis gigantocellularis of rat medulla oblongata on morphine analgesia] Kishioka S, et al. **Nippon Yakurigaku Zasshi** 1983 Dec;82(6):475-84 (Eng. Abstr.) **(Jpn)**

[Analgesia and age. I. Age-conditioned changes in the analgesic effect of strong analgesics in rats] Nicák A, et al. **Cas Lek Cesk** 1984 Mar 9;123(10):290-3 (Eng. Abstr.) **(Slo)**

ADVERSE EFFECTS

Analgesia and dextropropoxyphene [letter] **NZ Med J** 1983 Dec 14;96(745):1030-1

INSTRUMENTATION

Mini set for iontophoresis for topical analgesia before injection. Petelenz T, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 Mar;22(3):152-5

[Heat algesimeter] Papin AA, et al. **Anesteziol Reanimatol** 1983 Jul-Aug;(4):63-4 (Eng. Abstr.) **(Rus)**

METHODS

Activity of opioid peptidergic system in acupuncture analgesia. He LF, et al. **Acupunct Electrother Res** 1983; 8(3-4):257-66

Pain and analgesia: the outlook for more rational treatment. Levine J. **Ann Intern Med** 1984 Feb;100(2):269-76 (127 ref.)

Acupuncture [letter] **Br Med J [Clin Res]** 1984 Jun 30; 288(6435):1999

Analgesia in acute pancreatitis: comparison of buprenorphine and pethidine. Blamey SL, et al. **Br Med J [Clin Res]** 1984 May 19;288(6429):1494-5

Responses to acute pain and the nursing implications. Wells N. **J Adv Nurs** 1984 Jan;9(1):51-8

Chronic pain management: a research focus. Goldberg-Sklar C. **J Neurosurg Nurs** 1984 Feb;16(1):10-4

Stress-induced opiate administration: a model for endorphin-mediated stress analgesia. Grasing K. **Med Hypotheses** 1984 Mar;13(3):253-5

Investigation of the effects of naloxone upon acupuncture analgesia [letter] Oleson TD. **Pain** 1984 Jun;19(2):201-4

Newer concepts of analgesia and anesthesia. LaBella FS, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1983; 7(4-6):647-50

Relief of pain in intensive care patients. Berré J. **Resuscitation** 1984 Mar;11(3-4):157-64 (33 ref.)

[What does a pain clinic do?] Spierdijk J. **Ned Tijdschr Geneeskd** 1984 Mar 10;128(10):454-7 **(Dut)**

[Brief review of the mechanism of action of acupuncture stimulation in its analgesic effect] Bauduin H, et al. **Acta Belg Med Phys** 1983 Jan-Mar;6(1):11-9 (49 ref.) **(Fre)**

[Ionophoresis of the external auditory canal. Technic, indications] Perrin C, et al. **J Fr Otorhinolaryngol** 1983 Nov;32(9):538-40 **(Fre)**

[Postoperative respiratory kinesitherapy. Use of an ideal analgesic (letter)] Redersdorff B, et al. **Presse Med** 1984 Sep 1-8;13(30):1849 **(Fre)**

[Our technic of perfusing the peridural and subarachnoid spaces with analgesic drugs using a small subcutaneous capsule] Mocavero G, et al. **Minerva Anestesiol** 1983 Nov; 49(11):659-62 (Eng. Abstr.) **(Ita)**

[Object of stimulation by the epidural electrode: significance of stimulation-induced analgesia] Mori K. **Masui** 1983 Aug; 32(8):913 **(Jpn)**

[Analgesic mechanism of epidural electric stimulation of the spinal column—changes in the concentrations of beta-endorphin, substance P, catecholamines and cyclic nucleotides in the cerebrospinal fluid] Shimoji K, et al. **Masui** 1983 Aug;32(8):914-23 (Eng. Abstr.) **(Jpn)**

[Changes in the hypophyseal-thyroid system of surgical patients operated on under ataralgesia] Togalbaev AA, et al. **Anesteziol Reanimatol** 1984 Mar-Apr;(2):25-7 (Eng. Abstr.) **(Rus)**

[Peridural morphine analgesia] Il'chenko NI, et al. **Vestn Khir** 1983 Dec;131(12):88–9 (Eng. Abstr.) **(Rus)**

[Methods of analgesia in the postoperative period of patients with suppurative peritonitis] Shanin IuN, et al. **Voen Med Zh** 1983 Aug;(8):31–3 **(Rus)**

STANDARDS

[Maximal expiratory flow–volume test in evaluating the results of intensive care] Zil'ber EA. **Vestn Akad Med Nauk SSSR** 1983;(10):76–8 (Eng. Abstr.) **(Rus)**

VETERINARY

Analgesic effects of butorphanol in horses: dose–response studies. Kalpravidh M, et al. **Am J Vet Res** 1984 Feb; 45(2):211–6

Effects of butorphanol, flunixin, levorphanol, morphine, and xylazine in ponies. Kalpravidh M, et al. **Am J Vet Res** 1984 Feb;45(2):217–23

Response of great horned owls given the optical isomers of ketamine. Redig PT, et al. **Am J Vet Res** 1984 Jan; 45(1):125–7

A new analgesic drug combination in the horse. Robertson JT, et al. **Am J Vet Res** 1983 Sep;44(9):1667–9

Segmental epidural and subarachnoid analgesia in conscious horses: a comparative study. Skarda RT, et al. **Am J Vet Res** 1983 Oct;44(10):1870–6

Xylazine causes transient dose–related hyperglycemia and increased urine volumes in mares. Thurmon JC, et al. **Am J Vet Res** 1984 Feb;45(2):224–7

Etorphine analgesia supplemented by halothane anesthesia in an adult African elephant. Tamas PM, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1312–4

The relief of pain in laboratory animals. Flecknell PA. **Lab Anim** 1984 Apr;18(2):147–60 (90 ref.)

Duration of analgesia in sheep under xylazine/ketamine anaesthesia. Byagagaire SD, et al. **Vet Rec** 1984 Jan 7; 114(1):15–6

Combined use of sedatives and opiates in horses. Nolan AM, et al. **Vet Rec** 1984 Jan 21;114(3):63–7

ANALGESIA, CONGENITAL

[Congenital analgesia (CA)] Boltshauser E, et al. **Ther Umsch** 1983 Aug;40(8):725–7 (22 ref.) (Eng. Abstr.) **(Ger)**

[Congenital indifference (insensitivity) to pain] Milić S, et al. **Neurologija** 1981;29(1–4):93–8 (Eng. Abstr.) **(Scr)**

COMPLICATIONS

Modifying the self–injurious behavior of an infant with spina bifida and diminished pain sensitivity. Altman K, et al. **J Behav Ther Exp Psychiatry** 1983 Jun;14(2):165–8

[Congenital pain insensitivity associated with the Weber–Cockayne cutaneous syndrome (3 cases)] Saggini R, et al. **Arch Putti Chir Organi Mov** 1983;33:405–14 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

[2 cases of congenital analgesia] Kwasucki J, et al. **Neurol Neurochir Pol** 1983 Sep–Oct;17(5):579–81 (Eng. Abstr.) **(Pol)**

[Case of congenital pain insensitivity] Kwasucki J, et al. **Wiad Lek** 1984 Feb 1;37(3):230–2 (Eng. Abstr.) **(Pol)**

FAMILIAL & GENETIC

Independence of blood pressure and locomotor hyperactivity in normotensive and genetically hypertensive rat. Whitehorn D, et al. **Behav Neural Biol** 1983 Mar; 37(2):357–61

ANALGESICS

Pharmacokinetics and sedative effect of midazolam in connection with caesarean section performed under epidural analgesia. Kanto J, et al. **Acta Anaesthesiol Scand** 1984 Feb;28(1):116–8

Physical studies of detomidine hydrochloride, a new drug substance. Laine E, et al. **Acta Pharm Suec** 1983; 20(6):451–60

Anorexic and analgesic actions of THIP. DeFeudis FV. **Adv Biochem Psychopharmacol** 1983;37:107–21

Comparative analysis of drug distribution costs for controlled versus noncontrolled oral analgesics. Reynolds RC, et al. **Am J Hosp Pharm** 1984 Aug;41(8):1558–63

Review of the comparative analgesic efficacy of salicylates, acetaminophen, and pyrazolones. Mehlisch DR. **Am J Med** 1983 Nov 14;75(5A):47–52 (21 ref.)

Cognitive reversal of expected nitrous oxide analgesia for acute pain. Dworkin SF, et al. **Anesth Analg** 1983 Dec; 62(12):1073–7

Central effects of tuftsin. Herman ZS, et al. **Ann NY Acad Sci** 1983;419:156–63

Endogenous pain control systems: brainstem spinal pathways and endorphin circuitry. Basbaum AI, et al. **Annu Rev Neurosci** 1984;7:309–38 (182 ref.)

Study of the analgesic effects of galanthamine, a cholinesterase inhibitor. Cozanitis DA, et al. **Arch Int Pharmacodyn Ther** 1983 Dec;266(2):229–38

The role of a noradrenergic system in the antinociceptive effects of 4–aminopyridine in the rat. Rupreht J, et al. **Arch Int Pharmacodyn Ther** 1983 Oct;265(2):203–10

Analgesic activities of amphetamine isomers. Tocco DR, et al. **Arch Int Pharmacodyn Ther** 1984 Mar;268(1):25–31

Relationship between saliva levels of metamizol metabolites, bioavailability and analgesic efficacy. Rohdewald P, et al. **Arzneimittelforsch** 1983;33(7):985–8

Effects of eight–hour naloxone infusions on human subjects. Grevert P, et al. **Biol Psychiatry** 1983 Dec;18(12):1375–92

Is there any relationship between antinociception, doses and plasma levels of clomipramine during subchronic treatment in rats? Guiol C, et al. **Biomed Pharmacother** 1984; 38(1):59–62

Antinociceptive action of nicotine and its methiodide derivatives in mice and rats. Aceto MD, et al. **Br J Pharmacol** 1983 Aug;79(4):869–76

Selective antinociceptive effects of tizanidine (DS 103–282), a centrally acting muscle relaxant, on dorsal horn neurones in the feline spinal cord. Davies J, et al. **Br J Pharmacol** 1984 Jun;82(2):409–21

Comparison of the analgesic effect of ten nonsteroidal anti–inflammatory drugs. Isomäki H, et al. **Br J Rheumatol** 1984 Feb;23(1):61–5

Analgesic properties of meperidine, amitriptyline and phenelzine in mice. Lee I, et al. **Can Anaesth Soc J** 1983 Sep;30(5):501–5

Morphine diesters. II. Blood metabolism and analgesic activity in the rat. Owen JA, et al. **Can J Physiol Pharmacol** 1984 Apr;62(4):452–6

Agonist–antagonist properties of 5,7–ethano–4,5,5a,6,7,11b–hexahydro–2,6,7–trimethyl–1H– and 4,6–ethano–3,4,4a,5,6,10b–hexahydro–2,5,6–trimethylbenzo Hori M, et al. **Chem Pharm Bull (Tokyo)** 1983 Jul; 31(7):2520–2

Anticonvulsant drugs and chronic pain. Swerdlow M. **Clin Neuropharmacol** 1984;7(1):51–82 (156 ref.)

Codeine and aspirin analgesia in postpartum uterine cramps: qualitative aspects of quantitative assessments. Bloomfield SS, et al. **Clin Pharmacol Ther** 1983 Oct;34(4):488–95

Symposium on pharmacology and therapeutics. **Dent Clin North Am** 1984 Jul;28(3):387–634

The mu rather than the delta subtype of opioid receptors appears to be involved in enkephalin–induced analgesia. Chaillet P, et al. **Eur J Pharmacol** 1984 May 18; 101(1–2):83–90

Effect of cyclo–leucyl–glycine in the rat yeast–paw test. Chipkin RE, et al. **Eur J Pharmacol** 1984 Apr 20; 100(2):239–41

Role of serotonin in the analgesic activity of calcitonin. Clementi G, et al. **Eur J Pharmacol** 1984 Mar 2; 98(3–4):449–51

Amphetamine–induced analgesia does not involve brain opioids. Drago F, et al. **Eur J Pharmacol** 1984 Jun 1; 101(3–4):267–9

Antinociceptive effect of centrally administered cyclo(N–methyl–L–Tyr–L–Arg) in the rat. Kawamura S, et al. **Eur J Pharmacol** 1983 Sep 16;93(1–2):1–8

Analgesic activity of substance P in rats: tolerance and cross–tolerance with enkephalin. Naranjo JR, et al. **Eur J Pharmacol** 1984 Feb 10;98(1):133–6

Comparison of the analgesic actions of THIP and morphine. Grognet A, et al. **Gen Pharmacol** 1983;14(6):585–9

Antinociceptive action of sodium valproate in the mouse. Mesdjian E, et al. **Gen Pharmacol** 1983;14(6):697–9

Involvement of GABA in the antinociceptive effect of gamma–acetylenic GABA (GAG), an inhibitor of GABA–transaminase. Sawynok J, et al. **Gen Pharmacol** 1983;14(6):603–7

Dissociation of analgesic and hyperphagic responses following 2–deoxy–D–glucose. Bodnar RJ, et al. **Int J Neurosci** 1983 Nov;21(3–4):225–36

Methoxyflurane analgesia for office surgery. Surgical gem. Lewis LA. **J Dermatol Surg Oncol** 1984 Feb;10(2):85–6

Design, synthesis, and X–ray data of novel potential antipsychotic agents. Substituted 7–phenylquinolizidines: stereospecific, neuroleptic, and antinociceptive properties. Imhof R, et al. **J Med Chem** 1984 Feb;27(2):165–75

Synthesis and antiinflammatory activity of [(cycloalkylmethyl)phenyl]acetic acids and related compounds. Terada A, et al. **J Med Chem** 1984 Feb; 27(2):212–6

Analgesic activity of a thiomethyl metabolite of paracetamol. Hertz F, et al. **J Pharm Pharmacol** 1983 Aug;35(8):521–2

Antinociceptive effects in the rat of an adenosine analogue, N6–phenylisopropyladenosine. Holmgren M, et al. **J Pharm Pharmacol** 1983 Oct;35(10):679–80

Analgesic effect of novel organogermanium compound, GE–132. Hachisu M, et al. **J Pharmacobiodyn** 1983 Nov; 6(11):814–20

Psychopharmacological effects of melatonin in mouse and rat. Sugden D. **J Pharmacol Exp Ther** 1983 Dec; 227(3):587–91

Characteristics of analgesia induced by noncatecholic phenylethylamine derivatives: possible involvement of endogenous opioid peptides and serotonin in phenylethylamine analog–induced analgesia. Natsuoka Y, et al. **Jpn J Pharmacol** 1984 Mar;34(3):277–87

The relief of pain in laboratory animals. Flecknell PA. **Lab Anim** 1984 Apr;18(2):147–60 (90 ref.)

Alfentanil infusion for sedation and analgesia in intensive care [letter] Yate PM, et al. **Lancet** 1984 Aug 18;2(8399):396–7

Analgesic properties of N–terminal substituted phenylalanyl–alanine. Borin G, et al. **Life Sci** 1983 Oct 17; 33(16):1575–80

Soman and sarin induce a long–lasting naloxone–reversible analgesia in mice. Clement JG, et al. **Life Sci** 1984 Apr 9;34(15):1415–22

Putrescine has analgesic activity, in rats. Genedani S, et al. **Life Sci** 1984 Jun 11;34(24):2407–12

Analgesia induced by intrathecal injection of dynorphin B in the rat. Han JS, et al. **Life Sci** 1984 Apr 16;34(16):1573–9

Bremazocine induces antinociception, but prevents opioid–induced constipation and catatonia in rats and precipitates withdrawal in morphine–dependent rats. Petrillo P, et al. **Life Sci** 1984 Aug 27;35(9):917–27

Opioid antinociception and positive reinforcement are mediated by different types of opioid receptors. Pollerberg GE, et al. **Life Sci** 1983 Oct 17;33(16):1549–59

Evaluation of 3,6–dibutanoylmorphine as an analgesic in vivo: comparison with morphine and 3,6–diacetylmorphine. Tasker RA, et al. **Life Sci** 1984 Apr 23;34(17):1659–67

Comparison of the antinociceptive effects of intracerebroventricular injection of kyotorphin, cyclo (N–methyl–Tyr–Arg) and Met–enkephalin in mice. Sakurada T, et al. **Neuropharmacology** 1984 Jan;23(1):7–12

Characterization of a kappa–agonist–like antinociceptive action of tifluadom. Upton N, et al. **Neuropharmacology** 1983 Oct;22(10):1241–2

Antinociceptive effects of thyrotrophin–releasing hormone and its analogues in the rat periaqueductal grey region. Webster VA, et al. **Neurosci Lett** 1983 Nov 21;42(1):67–70

Analgesia and dextropropoxyphene [letter] Bartley J. **NZ Med J** 1983 Oct 26;96(742):812–3

Drug abuse in migraine patients. Langemark M, et al. **Pain** 1984 May;19(1):81–6

Prescription medication dependence and neuropsychologic function. McNairy SL, et al. **Pain** 1984 Feb;18(2):169–77

Derivatives of beta–casomorphins with high analgesic potency. Matthies H, et al. **Peptides (Fayetteville)** 1984 May–Jun;5(3):463–70

Potentiation of cold–water swim analgesia and hypothermia by clonidine. Bodnar RJ, et al. **Pharmacol Biochem Behav** 1983 Sep;19(3):447–51

Modification of alpha–adrenoceptor agonist antinociceptive activity by nisoxetine: a selective inhibitor of noradrenergic uptake. Hynes MD, et al. **Pharmacol Biochem Behav** 1984 Mar;20(3):463–6

Caffeine interferes with morphine–induced hyperactivity but not analgesia. Oliverio A, et al. **Pol J Pharmacol Pharm** 1983 Nov–Dec;35(6):445–9

A comparison of the effects of vitamin B12 and aspirin in three experimental pain models in rats and mice. Eschalier A, et al. **Psychopharmacology (Berlin)** 1983;81(3):228–31

Species differences in the relative analgesic potencies of some classical opiates and opioid peptides. Székely JI, et al. **Psychopharmacology (Berlin)** 1984;82(4):400–2

Relief of pain in intensive care patients. Berré J. **Resuscitation** 1984 Mar;11(3–4):157–64 (33 ref.)

[Vitamin B12, an analgesic vitamin? Critical examination of the literature] Dordain G, et al. **Acta Neurol Belg** 1984 Jan–Feb;84(1):5–11 (17 ref.) (Eng. Abstr.) **(Fre)**

[Analgesic properties and plasma concentrations of clomipramine in chronic pain] Montastruc JL, et al. **Rev Neurol (Paris)** 1983;139(10):583–7 (Eng. Abstr.) **(Fre)**

[Evaluation of the analgesic activity of a soluble precursor of aspirin in orthopedic surgery] Letenneur J. **Sem Hop Paris** 1984 Apr 5;60(15):1089–91 (Eng. Abstr.) **(Fre)**

[New contributions on extinction tests of essential headache. I. The test with lysine acetylsalicylate] Romiti A, et al. **Boll Soc Ital Biol Sper** 1983 Aug 30;59(8):1130–3 (Eng. Abstr.) **(Ita)**

[The effect of lysine acetylsalicylate on hemorrheological changes induced through ischemic exertion in patients with vascular disease] Vittoria A, et al. **Ric Clin Lab** 1983;13 Suppl 3:315–21 (Eng. Abstr.) **(Ita)**

[The analgesic and antipyretic effects of a non–steroidal anti–inflammatory drug, oxaprozin, in experimental animals] Amanuma F, et al. **Nippon Yakurigaku Zasshi** 1984 Apr;83(4):345–54 (Eng. Abstr.) **(Jpn)**

[Pharmacological studies of dl–2[3–(2'–chlorophenoxy)phenyl]propionic acid. I. Analgesic and antipyretic effects] Kaneko T, et al. **Nippon Yakurigaku Zasshi** 1983 Jun;81(6):481–92 (Eng. Abstr.) **(Jpn)**

[Pharmacological studies of d1–2–[3–(2'–chlorophenoxy)phenyl]propionic acid. (2) Sites and mechanisms of analgesic and antipyretic effects] Kaneko T, et al. **Nippon Yakurigaku Zasshi** 1983 May; 81(5):385–97 (Eng. Abstr.) **(Jpn)**

[Studies on pyridinol derivatives. X. Synthesis and pharmacological activity of 4–acyl–3,4–dihydro–2H–pyrido[3,2–b]–1,4–oxazine derivatives] Takeda H, et al. **Yakugaku Zasshi** 1983 Dec; 103(12):1247–56 (Eng. Abstr.) **(Jpn)**

[Pyridinol derivatives (4). Synthesis and pharmacological actions of 3,4–dihydro–2H–pyrido[3,2–b]–1,4–oxazine derivatives. (1)] Takeda H, et al. **Yakugaku Zasshi** 1983 May;103(5):497–507 (Eng. Abstr.) **(Jpn)**

[Pyridinol derivatives. (7) Synthesis and pharmacological activity of 4–(2–dialkylamino–1–phenylethyl)–3,4–dihydro–2H–pyrid

derivatives] Takeda H, et al. **Yakugaku Zasshi** 1983 Aug; 103(8):835–48 (Eng. Abstr.) **(Jpn)**

[Pyridinol derivatives. (9) Synthesis and pharmacological activity of 4–phenylalkyl–3,4–dihydro–2H–pyrido[3,2–b]–1,4–oxazine derivatives] Takeda H, et al. **Yakugaku Zasshi** 1983 Aug; 103(8):857–66 (Eng. Abstr.) **(Jpn)**

[Pyridinol derivatives. (6) Synthesis and pharmacological activity of 4–(2–dialkylamino–1–phenylethyl)–2H–pyrido[3,2–b]–1,4–derivatives] Takeda H, et al. **Yakugaku Zasshi** 1983 Aug; 103(8):825–34 (Eng. Abstr.) **(Jpn)**

[Pyridinol derivatives. (8) Synthesis and pharmacological activity of 4–phenylalkyl–2H–pyrido[3,2–b]–1,4–oxazin–3–one derivatives] Takeda H, et al. **Yakugaku Zasshi** 1983 Aug; 103(8):849–56 (Eng. Abstr.) **(Jpn)**

ADMINISTRATION & DOSAGE

Painful sequelae of injuries to peripheral nerves. Yiannikas C, et al. **Am J Phys Med** 1984 Apr;63(2):53–83 (167 ref.)

Clinical experimental studies of postoperative infusion analgesia. Knoche E, et al. **Clin Ther** 1983;5(6):585–94

Oral analgesic drug combinations. Moore PA, et al. **Dent Clin North Am** 1984 Jul;28(3):413–22

Comparison of a traditional paracetamol medication and a new paracetamol/paracetamol–methionine ester. combination. Skoglund LA, et al. **Eur J Clin Pharmacol** 1984;26(5):573–7

Antalgic activity of calcitonin: effectiveness of the epidural and subarachnoid routes in man. Fiore CE, et al. **Int J Clin Pharmacol Res** 1983;3(4):257–60

Transcutaneous electrical nerve stimulation and postoperative use of narcotic analgesics. Strayhorn G. **J Natl Med Assoc** 1983 Aug;75(8):811–6

Caffeine revisited [editorial] Beaver WT. **JAMA** 1984 Apr 6;251(13):1732–3

Caffeine as an analgesic adjuvant. Laska EM, et al. **JAMA** 1984 Apr 6;251(13):1711–8

The effectiveness of 100 and 200 mg etodolac (Ultradol), aspirin, and placebo in patients with pain following oral surgery. Hutton CE. **Oral Surg** 1983 Dec;56(6):575–80

Physician concern over medication intake: a simple measure of medication use. McCauley JD, et al. **Pain** 1983 Aug; 16(4):385–9

Pain syndromes associated with cancer. Achieving effective relief. Taddeini L, et al. **Postgrad Med** 1984 Jan;75(1):101–8

Combination analgesic–antihistamine drugs [letter] Galloway PA, et al. **S Afr Med J** 1984 Jul 28;66(4):125–6

[Evaluation of the effect of analgesics/antiphlogistics on the progression of spontaneous arthrosis in the C57 black mouse] Maier R, et al. **Z Rheumatol** 1983 Jul–Aug; 42(4):232–4 **(Ger)**

[Preliminary results of continuous peridural analgesic therapy in chronic arteriopathies] Melloni C, et al. **Minerva Chir** 1983 Jul 15–31;38(13–14):1071–4 (Eng. Abstr.) **(Ita)**

[Management of pain in lung cancer. (1) Chemotherapy and psychotherapy] Mizuguchi T. **Kokyu To Junkan** 1983 Aug; 31(8):841–5 (18 ref.) **(Jpn)**

[Use of baralgin in the treatment of the ischemic pain syndrome and as a component of general anesthesia in angiosurgery] Ivaniushko VL. **Klin Khir** 1983 Jul;(7):72 **(Rus)**

ADVERSE EFFECTS

Analgesic nephropathy [editorial] **Am Fam Physician** 1984 Aug;30(2):110

Focal renal cortical necrosis associated with zomepirac. Darwish R, et al. **Am J Med** 1984 Jun;76(6):1113–7

Analgesic nephropathy. Observations, interpretations, and perspective on the low incidence in America. Maher JF. **Am J Med** 1984 Mar;76(3):345–8

Effects and risks of psychotropic and analgesic combinations. Wörz R. **Am J Med** 1983 Nov 14;75(5A):139–40

Drug use in pregnancy. Whipkey RR, et al. **Ann Emerg Med** 1984 May;13(5):346–54 (98 ref.)

Analgesic nephropathy. An uncommon cause of end–stage renal disease. McAnally JF, et al. **Arch Intern Med** 1983 Oct;143(10):1897–9

Possible agranulocytosis secondary to zomepirac. Olsen KM, et al. **Clin Pharm** 1984 Jan–Feb;3(1):85–7

Presumed analgesic–induced agranulocytosis. Obel AO. **East Afr Med J** 1983 Apr;60(4):273–7

Analgesic induced asthma. Smith S, et al. **Ir J Med Sci** 1983 Nov;152(11):420–1

Consensus conference: Analgesic–associated kidney disease. **JAMA** 1984 Jun 15;251(23):3123–5

Analgesic–associated nephropathy. Pathophysiological and radiological correlation. Hartman GW, et al. **JAMA** 1984 Apr 6;251(13):1734–8

Non–steroidal anti–inflammatory drugs: have we been spoilt for choice? [editorial] **Lancet** 1984 Jan 21;1(8369):141–2

Analgesic dilemma in chronic hemodialysis patients. Keller F, et al. **Pain** 1983 Sep;17(1):99–101

Hypersensitivity to non–steroidal anti–inflammatory drugs—asthma precipitated by zomepirac. A case report. Botha JJ, et al. **S Afr Med J** 1984 Feb 4;65(5):180–2

[Acute renal failure and hepatitis induced by clometacin] Monnin E, et al. **Gastroenterol Clin Biol** 1984 Mar; 8(3):264–8 (Eng. Abstr.) **(Fre)**

[Eosinophilic cystitis of allergic origin] Kopf A, et al. **Presse Med** 1984 Jan 21;13(2):83–6 (Eng. Abstr.) **(Fre)**

[Chronic analgesic–induced headace] Dichgans J, et al. **Dtsch Med Wochenschr** 1984 Mar 9;109(10):369–73 (Eng. Abstr.) **(Ger)**

[Bacterial urinary tract infections in nephropathies caused by analgesics. Clinico–pathologic correlations] Laberke HG, et al. **Dtsch Med Wochenschr** 1983 Nov 4; 108(44):1671–5 (Eng. Abstr.) **(Ger)**

[How dangerous are pain and rheumatism drugs?] Heilmann K. **Fortschr Med** 1984 May 10;102(18):76–7 **(Ger)**

[Bronchial asthma, nasal polyposis and analgesic intolerance (the ASA triad). A successful computer based analysis of free texts] Scherrer M, et al. **Schweiz Med Wochenschr** 1984 Mar 10;114(10):337–42 (Eng. Abstr.) **(Ger)**

[Effect of butorphanol tartrate on cross–fostering in rats] Kai S, et al. **Nippon Yakurigaku Zasshi** 1984 Feb;83(2):115–22 (Eng. Abstr.) **(Jpn)**

[Analgetic nephropathy] Androsova SO, et al. **Revmatologiia (Moskva)** 1984 Apr–Jun;(2):54–7 (38 ref.) **(Rus)**

[Drug–induced lesions of the stomach and duodenum] Petrovskii VS, et al. **Sov Med** 1984;(3):112–3 **(Rus)**

[Toxiderma due to finlepsin] Rozov VD, et al. **Vestn Dermatol Venerol** 1983 Sep;(9):48–9 (Eng. Abstr.) **(Rus)**

[Case of analgesic nephropathy and polyneuropathy] Semidotskaia ZhD, et al. **Vrach Delo** 1984 May;(5):98–9 **(Rus)**

ANALYSIS

Determination of ethoheptazine in human post mortem material. Drost RH, et al. **J Chromatogr** 1983 Oct 14; 277:352–5

Stability of the 6,14–endo–ethanotetrahydrooripavine analgesics: acid–catalyzed rearrangement of buprenorphine. Cone EJ, et al. **J Pharm Sci** 1984 Feb;73(2):243–6

[Screening and detection of the analgesic zomepirac] Schütz H, et al. **Arzneimittelforsch** 1984;34(3):293–7 (Eng. Abstr.) **(Ger)**

ANTAGONISTS & INHIBITORS

Naloxone and its antagonism of anaesthesia and analgesia [letter] Gillman MA. **Can Anaesth Soc J** 1984 Jan; 31(1):117–9

Formation of desTyr dynorphins 5–17 by a purified cytosolic aminopeptidase of rat brain. Berg MJ, et al. **J Neurosci Res** 1984;11(3):313–21

The effects of chronic morphine treatment on neurotensin–induced antinociception. Luttinger D, et al. **Psychopharmacology (Berlin)** 1983;81(1):10–3

[Pharmacological actions of eptazocine (l–1,4–dimethyl–10–hydroxy–2,3,4,5,6,7–hexahydro–1,6–m 4. Antagonistic action of naloxone on eptazocine analgesia] Nabeshima T, et al. **Nippon Yakurigaku Zasshi** 1983 May; 81(5):411–20 (Eng. Abstr.) **(Jpn)**

BLOOD

Plasma levels of opioid analgesics determined by radioreceptor assay. Ensinger HA, et al. **Arzneimittelforsch** 1984;34(5):609–13

Binding of clometacin to human serum albumin. Interactions with clofibrate, indomethacin, salicylic acid and warfarin. Zini R, et al. **Biochem Pharmacol** 1983 Oct 1;32(19):2909–14

Plasma analgesic concentrations—fact or fallacy? [editorial] Faulding S, et al. **Br J Anaesth** 1984 Aug;56(8):811–2

Pharmacokinetics of the infusion of alfentanil in man. Fragen RJ, et al. **Br J Anaesth** 1983 Nov;55(11):1077–81

Effect of analgesic and antirheumatic drugs on SMA II procedures [letter] Jelić–Ivanović Z, et al. **Clin Chem** 1983 Oct;29(10):1859

Preliminary pharmacokinetics of intravenous ciramadol in humans. Rosseel MT, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 Jun;22(6):304–6

[Bioavailability of codeine and paracetamol in a combination preparation following oral and rectal administration] Kummer M, et al. **Fortschr Med** 1984 Feb 16;102(7):173–8 (Eng. Abstr.) **(Ger)**

CHEMICAL SYNTHESIS

Synthesis of 1–(N–phenyl–N–arylmethyl)cyclohexylmethylamines of potential analgesic and antihistaminic activities. Aboul–Enein MN, et al. **Acta Pharm Suec** 1983;20(6):461–6

Synthesis and analgesic activity of basic esters of 1–benzanilidocyclohexanecarboxylic acids. Nabil Aboul–Enein M, et al. **Acta Pharm Suec** 1983;20(5):371–8

Tetrazole analogues of ibuprofen and flurbiprofen. Valenti P, et al. **Arch Pharm (Weinheim)** 1983 Sep;316(9):752–5

D–Arg2–dermorphin tetrapeptide analogs: a potent and long–lasting analgesic activity after subcutaneous administration. Sasaki Y, et al. **Biochem Biophys Res Commun** 1984 Apr 16;120(1):214–8

Synthesis of 2–aminomethyl–3–benzyl–5,5–dimethylcyclohexanones. Kato T, et al. **Chem Pharm Bull (Tokyo)** 1983 Nov; 31(11):3915–23

Synthesis of N–substituted (6–benzyl–4,4–dimethyl–2–cyclohexenyl)–methylamines and related compounds. Kato T, et al. **Chem Pharm Bull (Tokyo)** 1984 Jan;32(1):44–54

Synthesis and activity of a newly isolated analgesic pentapeptide, neo–kyotorphin. Kitagawa K, et al. **Chem Pharm Bull (Tokyo)** 1983 Jul;31(7):2349–52

Syntheses and analgesic activities of 1–[2–methyl–2–(N–propionyl–p– or m–substituted–phenylamino)ethyl]–4–phenethylpiperazines Okada J, et al. **Chem Pharm Bull (Tokyo)** 1984 Mar; 32(3):986–94

Studies on fused indoles. II. Structural modifications and analgesic activity of 4–aminomethyltetrahydrothiopyrano[2,3–b]indoles. Takada S, et al. **Chem Pharm Bull (Tokyo)** 1984 Mar;32(3):877–86

Asymmetric alpha–substituted phenethylamines. III. The synthesis and analgesic activity of optically pure (S)– and (R)–1–aryl–2–phenylethylamines. Takahashi H, et al. **Chem Pharm Bull (Tokyo)** 1983 May;31(5):1659–65

Synthesis, biological data and correlation analysis in a set of analgesic drugs. Giuliani E, et al. **Farmaco [Sci]** 1983 Nov;38(11):847–64

Opioid peptides. Analgesic activity of potent dermorphin tetrapeptides. VI. Sarto G, et al. **Farmaco [Sci]** 1983 Sep; 38(9):647–52

Synthesis and pharmacological evaluation of a series of analgesic and antiinflammatory 4–aminopyrroles. Tarzia G, et al. **Farmaco [Sci]** 1984 Jun;39(6):538–58

Racemic and optically active 2,9–dimethyl–5–(m–hydroxyphenyl)morphans and pharmacological comparison with the 9–demethyl homologues. Awaya H, et al. **J Med Chem** 1984 Apr; 27(4):536–9

Analgesics of the orvinol type. 19–Deoxy and 6,20–epoxy derivatives. Hutchins CW, et al. **J Med Chem** 1984 Apr; 27(4):521–7

Studies on heterocyclic compounds. 6. Synthesis and analgesic and antiinflammatory activities of 3,4–dimethylpyrano[2,3–c]pyrazol–6–one derivatives. Kuo SC, et al. **J Med Chem** 1984 Apr;27(4):539–44

5–Aryl–3–azabicyclo[3.2.0]heptan–6–one ketals, compounds with morphine–like analgesic activity. McKenzie TC, et al. **J Med Chem** 1984 May;27(5):628–33

A cannabinoid derived prototypical analgesic. Melvin LS, et al. **J Med Chem** 1984 Jan;27(1):67–71

Leucine enkephalin analogues containing a conformationally restrained N–terminal amino acid residue. Deeks T, et al. **J Pharm Sci** 1984 Apr;73(4):457–60

Cinchophen analogues as potential CNS agents. Kar A. **J Pharm Sci** 1983 Sep;72(9):1082–4

Opiate–like peptides. Part IV. Kyotorphin and its analogues: synthesis and analgesic activity. Rolka K, et al. **Pol J Pharmacol Pharm** 1983 Nov–Dec;35(6):473–80

[Synthesis of long–acting analgesic hydrazone derivatives of 14–hydroxycodeinone and 14–hydroxymorphine] Liu MQ, et al. **Yao Hsueh Hsueh Pao** 1983 Jun;18(6):475–7 (Eng. Abstr.) **(Chi)**

[Studies on potent analgesics. VII. Synthesis and analgesic activity of diastereoisomers of 1–beta–hydroxy–3–methylfentanyl (7302) and related compounds] Zhu YC, et al. **Yao Hsueh Hsueh Pao** 1983 Dec;18(12):900–4 (Eng. Abstr.) **(Chi)**

[N–aryl pyrrol derivatives with analgesic and anti–inflammatory activity. 1. 1–Arylpyrroles substituted at positions 4 and 5] Thiault GA, et al. **Farmaco [Sci]** 1984 Jun;39(6):524–37 (Eng. Abstr.) **(Fre)**

[Synthesis and analgesic effect of 2–aryliminomethylquinolines] Hagen V, et al. **Pharmazie** 1983 Jul;38(7):437–9 (Eng. Abstr.) **(Ger)**

[Synthesis of new derivatives of 3–benzyl–1,2–benzisothiazole and a study of analgesic activity in mice] Morini G, et al. **Farmaco [Sci]** 1983 Oct; 38(10):794–800 (Eng. Abstr.) **(Ita)**

METABOLISM

Alpha–1–acid glycoprotein and beta–endorphin alterations in chronic pain patients. Fukui T, et al. **Anesthesiology** 1984 May;60(5):494–6

Clinical pharmacokinetics of fentanyl and its newer derivatives. Mather LE. **Clin Pharmacokinet** 1983 Sep–Oct; 8(5):422–46 (118 ref.)

Food interactions affecting the absorption of analgesic and anti–inflammatory agents. Welling PG, et al. **Drug Nutr Interact** 1983;2(3):153–68 (48 ref.)

Pharmacokinetics and relative potency assays with analgesic medications. Gruber CM Jr. **J Med** 1983;14(3):203–10

Diazepam stimulates the binding of GABA and muscimol but not THIP to rat brain membranes. Skerritt JH, et al. **Neurosci Lett** 1983 Aug 8;38(3):315–20

[Metabolism and pharmacokinetics of daphnetin] Qu SY, et al. **Yao Hsueh Hsueh Pao** 1983 Jul;18(7):496–500 (Eng. Abstr.) **(Chi)**

PHARMACODYNAMICS

Respiratory effect of THIP, a GABA–agonistic analgesic, during halothane anaesthesia. Valentin N, et al. **Acta Anaesthesiol Scand** 1983 Oct;27(5):366–8

Models for clinical assessment of oral analgesics. Cooper SA. **Am J Med** 1983 Nov 14;75(5A):24–9

The use of the writhing test in mice for screening different types of analgesics. Gyires K, et al. **Arch Int Pharmacodyn Ther** 1984 Jan;267(1):131–40

Comparison of the relative effects of aspirin, mefenamic acid,

dihydrocodeine, dextropropoxyphene and paracetamol on visceral pain, respiratory rate and prostaglandin biosynthesis. Sewell RD, et al.
Arch Int Pharmacodyn Ther 1984 Apr;268(2):325–34

Long latency spinal cord dorsum potential; suppression by intrathecal morphine and enkephalin analog. Peets JM, et al. **Brain Res** 1984 Jun 25;304(2):279–84

Antinociceptive studies of the optical isomers of N–allylnormetazocine (SKF 10,047). Aceto MD, et al.
Eur J Pharmacol 1983 Jul 22;91(2–3):267–72

Is methylnaltrexophinium the prototype of an ideal peripheral analgesic? Ferreira SH, et al. **Eur J Pharmacol** 1984 Mar 16;99(1):23–9

Mechanism of analgesic action of mesaconitine. I. Relationship between analgesic effect and central monoamines or opiate receptors. Murayama M, et al.
Eur J Pharmacol 1984 May 18;101(1–2):29–36

Strain differences in the hyperalgesic effect of a novel kappa receptor agonist, U–50488H in mice. Ramabadran K.
Eur J Pharmacol 1984 Mar 2;98(3–4):425–7

Analgesic effect of prolactin: possible mechanism of action. Ramaswamy S, et al. **Eur J Pharmacol** 1983 Dec 9; 96(1–2):171–3

Apomorphine separates the antinociceptive effects of cholecystokinin octapeptide and ceruletide from those of morphine. Zetler G. **Eur J Pharmacol** 1983 Aug 19; 92(1–2):151–4

Peripheral antialgesics: a review. Capetola RJ, et al.
J Clin Pharmacol 1983 Nov–Dec;23(11–12):545–56 (52 ref.)

Differential pharmacology of drugs used for intravenous pre–medication. Dionne RA. **J Dent Res** 1984 Jun; 63(6):842–7

A new method for demonstration of central effects of analgesic agents in man. Torebjörk HE, et al.
J Neurol Neurosurg Psychiatry 1984 Aug;47(8):862–9

Potentiation of cyclo (N–methyl–Tyr–Arg)–induced antinociceptive activity by thyrotropin–releasing hormone in mice. Kawamura S, et al. **J Pharm Pharmacol** 1984 Feb; 36(2):142–4

Interaction of morphine–epoxide with multiple opiate receptors. Konno F, et al. **J Pharmacobiodyn** 1984 Apr; 7(4):221–6

Suppressive effect of ciramadol on the bradykinin–induced activities of the lamina V–type cells of the rat spinal dorsal horn. Kubota A, et al. **J Pharmacobiodyn** 1984 May; 7(5):336–41

Antinociceptive effect of the GABAmimetic 4,5,6,7–tetrahydroisoxazolo [5, 4–c]pyridin–3–ol (THIP): chronic treatment increases alpha–2 adrenoceptors in the mouse brain. Costa LG, et al. **J Pharmacol Exp Ther** 1984 May;229(2):386–90

Sensitivity to morphine–evoked bradycardia in rats is modified by dynorphin (1–13), Leu– and Met–enkephalin. Kiang JG, et al. **J Pharmacol Exp Ther** 1984 May; 229(2):469–73

Determination of analgesic drug efficacies by modification of the Randall and Selitto rat yeast paw test. Chipkin RE, et al. **J Pharmacol Methods** 1983 Nov;10(3):223–9

An automatic electronic apparatus for generating and recording a ramp stimulus for analgesia testing. Kidder GW 3d, et al. **J Pharmacol Methods** 1983 Sep;10(2):137–42

An automated, high–capacity method for measuring jumping latencies on a hot–plate. O'Neill KA, et al.
J Pharmacol Methods 1983 Aug;10(1):13–8

Analgesic potencies of non–narcotic, narcotic and anesthetic drugs as determined by the bradykinin–induced biting–like responses in rats. Foong FW, et al. **Jpn J Pharmacol** 1983 Oct;33(5):933–8

Effects of morphine, clonidine and papaverine on synaptosomal 45Ca uptake and antinociceptive action in rats. Konno F, et al. **Jpn J Pharmacol** 1984 Jan;34(1):101–7

Sites of analgesic action of ciramadol. Kubota A, et al.
Jpn J Pharmacol 1983 Oct;33(5):1085–8

Site of analgesic action of zomepirac sodium, a potent non–narcotic analgesic in experimental animals. Nakamura H, et al. **Jpn J Pharmacol** 1983 Aug;33(4):875–83

Inhibition of electrically–induced vocalization in adjuvant arthritic rats as a novel method for evaluating analgesic drugs. Okuyama S, et al. **Jpn J Pharmacol** 1984 Jan; 34(1):67–77

Hyperalgesic effect of the selective kappa opioid agonist, U–50488H in mice. Ramabadran K. **Jpn J Pharmacol** 1983 Dec;33(6):1289–92

Comparison of the antinociceptive effect between the cyclic dipeptide cyclo[Tyr(Et)–homoarginine] and the linear dipeptide Boc–Tyr(Et)–homoarginine–OMe in rats. Sato T, et al. **Jpn J Pharmacol** 1984 Jan;34(1):1–8

Is a calmodulin–opiopeptide interaction related to the mechanism of opioid action? Clouet DH, et al. **Life Sci** 1983;33 Suppl 1:727–30

Sites of analgesic action of dynorphin. Kaneko T, et al.
Life Sci 1983;33 Suppl 1:661–4

Is the brain histamine involved in cataleptogenic action of analgesics and haloperidol? Malec D, et al. **Life Sci** 1983; 33 Suppl 1:623–5

A comparative study of the respiratory depressant and analgesic effects of bremazocine, a kappa–agonist. Pazos A, et al. **Life Sci** 1983;33 Suppl 1:579–81

Constraints on the tailflick assay: morphine analgesia and tolerance are dependent upon locus of tail stimulation. Yoburn BC, et al. **Life Sci** 1984 Apr 30;34(18):1755–62

A sensitive method to evaluate effects of analgesics in man. Bromm B, et al. **Methods Find Exp Clin Pharmacol** 1983 Oct;5(8):545–51

Acetic acid and phenylquinone writhing test: a critical study in mice. Singh PP, et al.
Methods Find Exp Clin Pharmacol 1983 Nov;5(9):601–6

Antinociceptive effects of neonatal capsaicin in rats with adjuvant arthritis. Hara A, et al.
Naunyn Schmiedebergs Arch Pharmacol 1984 Jun; 326(3):248–53

Opioid activity of enkephalin analogues containing the kyotorphin–related structure in the N–terminus. Amano H, et al. **Neuropharmacology** 1984 Apr;23(4):395–400

Neurotransmitter–blocking agents influence antinociceptive effects of carbamazepine, baclofen, pentazocine and morphine on bradykinin–induced trigeminal pain. Foong FW, et al. **Neuropharmacology** 1984 Jun;23(6):633–6

Kyotorphin and D–kyotorphin stimulate Met–enkephalin release from rat striatum in vitro. Janicki PK, et al.
Neurosci Lett 1983 Dec 23;43(1):73–7

Peptide–induced excessive grooming in the rat: the role of opiate receptors. Aloyo VJ, et al. **Peptides (Fayetteville)** 1983 Nov–Dec;4(6):833–6

Actions of intracerebroventricular administration of kyotorphin and an analog on thermoregulation in the mouse. Sakurada T, et al. **Peptides (Fayetteville)** 1983 Nov–Dec;4(6):859–63

Serotonin receptor antagonists induce hyperalgesia without preventing morphine antinociception. Berge OG, et al.
Pharmacol Biochem Behav 1983 Nov;19(5):873–8

Unilateral injection of GABA agonists in the superior colliculus: asymmetry to tactile stimulation. Di Scala G, et al. **Pharmacol Biochem Behav** 1983 Aug;19(2):281–5

Antinociceptive activity of N–(4–hydroxyphenacetyl)–4–aminoclonidine, a novel analog of clonidine: role of opioid receptors and alpha–adrenoceptors. Hynes MD, et al.
Pharmacol Biochem Behav 1983 Nov;19(5):879–82

The effects of levonantradol on rewarding brain stimulation thresholds in the rat. Kucharski LT, et al.
Pharmacol Biochem Behav 1983 Jul;19(1):149–51

The effects of SKF 525–A on the analgesic and barbiturate–potentiating activity of delta 9–tetrahydrocannabinol in mice and rats. Sofia RD, et al.
Pharmacology 1983;27(4):223–36

Sufentanil citrate: a new opioid analgesic for use in anesthesia. Rosow CE. **Pharmacotherapy** 1984 Jan–Feb;4(1):11–9 (68 ref.)

The effect of antihistaminics on cataleptogenic action of analgesics and haloperidol. Malec D, et al.
Pol J Pharmacol Pharm 1983;35(4):293–300

Central nervous system depressant, analgesic and monoamine oxidase inhibitory properties of substituted piperidines. Pandey BR, et al. **Res Commun Chem Pathol Pharmacol** 1984 Jan;43(1):173–6

Effect of lysine–acetylsalicylate and phenylbutazone premedication on the protein content of secondary aqueous humour in the dog. Regnier A, et al. **Res Vet Sci** 1984 Jul;37(1):26–9

Effect on platelet aggregation of oral administration of 10 non–steroidal analgesics to humans. Cronberg S, et al.
Scand J Haematol 1984 Aug;33(2):155–9

Dynorphin: potent analgesic effect in spinal cord of the rat. Han JS, et al. **Sci Sin [B]** 1984 Feb;27(2):169–77

Leukotriene B4 produces hyperalgesia that is dependent on polymorphonuclear leukocytes. Levine JD, et al.
Science 1984 Aug 17;225(4663):743–5

[Analgesic and antipyretic effects of trilobine hydrochloride without induction of physical dependence] Zheng LZ, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Mar;5(1):11–4 (Eng. Abstr.) **(Chi)**

[Pharmacologic actions of lappaconitine hydrobromide] Tang XC, et al. **Yao Hsueh Hsueh Pao** 1983 Aug;18(8):579–84 (Eng. Abstr.) **(Chi)**

[Studies on potent analgesics. VI. Modification of 4–N–propionyl group of cis–3–methylfentanyl and analgesic activity] Zhu YC, et al.
Yao Hsueh Hsueh Pao 1983 Aug;18(8):591–6 (Eng. Abstr.) **(Chi)**

[Peripheral analgesics] Brune K. **Ther Umsch** 1983 Aug; 40(8):694–703 (Eng. Abstr.) **(Ger)**

[Effect of Baralgin on isolated preparations of the upper urinary tract in man] Hertle L, et al. **Urol Int** 1984; 39(2):84–90 (Eng. Abstr.) **(Ger)**

[Effects of anesthetics (fluothane and nitrous oxide) and analgesics (diazepam and pentazocine) on the intracystic pressure curves] Takatsuka K, et al.
Nippon Hinyokika Gakkai Zasshi 1983 Mar;74(3):360–7 (Eng. Abstr.) **(Jpn)**

[Pharmacological action of eptazocine (l–1,4–dimethyl–10–hydroxy–2,3,4,5,6,7–hexahydro–1,6–m Effects of eptazocine on spontaneous movements] Sakakibara S. **Nippon Yakurigaku Zasshi** 1983 Jun; 81(6):549–63 (Eng. Abstr.) **(Jpn)**

POISONING

Case report—zomepirac suicide. Backer RC, et al.
J Anal Toxicol 1983 Sep–Oct;7(5):223–4

[Death caused by one tablet of Burgodin (letter)] de Vos JC, et al. **Ned Tijdschr Geneeskd** 1983 Aug 20; 127(34):1552–3 **(Dut)**

STANDARDS

Assessment of analgesic drugs. Dundee JW, et al.
Pharmacol Ther 1983;12 Suppl:79–88

THERAPEUTIC USE

A comparative study on the analgesic effects of indomethacin and hydromorphinechloride–atropine in acute, ureteral–stone pain. Udén P, et al. **Acta Chir Scand** 1983; 149(5):497–9

Picenadol (LY 150720) compared with meperidine and placebo for relief of post–cesarean section pain: a randomized double–blind study. Sherline DM.
Am J Obstet Gynecol 1983 Oct 15;147(4):404–6

Double–blind parallel study of piroxicam versus indomethacin in the treatment of low back pain. Videman T, et al. **Ann Clin Res** 1984;16(3):156–60

The analgesic effect of the GABA–agonist THIP in patients with chronic pain of malignant origin. A phase–1–2 study. Kjaer M, et al. **Br J Clin Pharmacol** 1983 Nov;16(5):477–85

Post–operative dental pain and analgesic efficacy. Part II. Analgesic usage and efficacy after dental surgery. Seymour RA, et al. **Br J Oral Surg** 1983 Dec;21(4):298–303

Therapeutic window for amitriptyline analgesia [letter] Watson CP. **Can Med Assoc J** 1984 Jan 15;130(2):105–6

Rating scales for analgesics in sore throat. Schachtel BP, et al. **Clin Pharmacol Ther** 1984 Aug;36(2):151–6

A double–blind trial of single–dose ciramadol for the treatment of post–episiotomy pain. Defoort P, et al.
Curr Med Res Opin 1983;8(7):481–6

Filling the gap between aspirin and morphine.
Drug Ther Bull 1984 Jun 18;22(12):45–7

The relative analgesic efficacy of propiram fumarate, codeine, aspirin, and placebo in post–impaction dental pain. Desjardins PJ, et al. **J Clin Pharmacol** 1984 Jan;24(1):35–42

Long–term therapy for the pain of osteoarthritis: a comparison of zomepirac sodium and aspirin. Honig S.
J Clin Pharmacol 1983 Nov–Dec;23(11–12):494–504

Medication usage, emotional disturbance, and pain behavior in chronic low back pain patients. McCreary C, et al.
J Clin Psychol 1984 Jan;40(1):15–9

Postoperative analgesic effects of dexamethasone sodium phosphate in bunion surgery. Curda GA. **J Foot Surg** 1983 Fall;22(3):187–91

The efficacy of etodolac for patients with pain following oral surgery. Gaston GW, et al.
J Oral Maxillofac Surg 1984 Jun;42(6):362–6

The care of patients with severe chronic pain in terminal illness. McGivney WT, et al. **JAMA** 1984 Mar 2; 251(9):1182–8

Zomepirac and cardiovascular deaths [letter] Inman WH, et al. **Lancet** 1983 Oct 15;2(8355):908

Comparative efficacy of fenoprofen calcium and zomepirac sodium in postsurgical dental pain. Cooper SA, et al.
Oral Surg 1984 May;57(5):485–9

Patterns of postoperative analgesic use with adults and children following cardiac surgery. Beyer JE, et al.
Pain 1983 Sep;17(1):71–81

A modified submaximal effort tourniquet test for evaluation of analgesics in healthy volunteers. Posner J. **Pain** 1984 Jun;19(2):143–51

Therapeutic effects of GABA–ergic drugs in affective disorders. A preliminary report. Emrich HM, et al.
Pharmacol Biochem Behav 1983 Aug;19(2):369–72

Analgesic drugs. Budd K. **Pharmacol Ther** 1983;12 Suppl:51–63

Neurolytic and other locally–acting drugs in the management of pain. Wilson F. **Pharmacol Ther** 1983;12 Suppl:65–77

Analgesic effects of oral propiram fumarate, codeine sulfate and placebo in postoperative pain. Sunshine A, et al.
Pharmacotherapy 1983 Sep–Oct;3(5):299–303

Ciramadol—a new synthetic analgesic. A double–blind comparison with oral codeine for postoperative pain relief. Downing JW, et al. **S Afr Med J** 1983 Dec 10;64(25):978–82

Analgetic effects of indomethacin (Confortid) compared to Ketogin in patients with acute cholecystitis. Mätzsch T, et al. **Scand J Urol Nephrol [Suppl]** 1983;75:59

Conventional methods of treating pain from ureteral stone. Risholm L. **Scand J Urol Nephrol [Suppl]** 1983;75:29–30

Pain relief in experimental animals [letter] Flecknell PA.
Vet Rec 1983 Nov 5;113(19):453

[Clinical observation on the therapeutic effect of 'tong bi an'] Zhang LR. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Apr; 4(4):203–4 (Eng. Abstr.) **(Chi)**

[Drug therapy of pain in patients with rheumatoid arthritis] Pavelka K, et al. **Cas Lek Cesk** 1984 Apr 6;123(14):407–11 (Eng. Abstr.) **(Cze)**

[Clinical evaluation of analgesics] Perlík F. **Cas Lek Cesk** 1984 Jan 20;123(3):76–8 (Eng. Abstr.) **(Cze)**

[Clinical evaluation of a new analgesic UP 341.01 in patients with pain following orthopedic surgery] Casanova G, et al. **Ann Chir** 1983 May;37(4):318–20 (Eng. Abstr.) **(Fre)**

[Analgesic treatment of cancer patients] Stevens A, et al.
Rev Med Liege 1984 Feb 1;39(3):127–33 **(Fre)**

[Evaluation of the analgesic effect of UP 341–01 in patients presenting with acute pain in ORL] Stipon JP, et al.
Sem Hop Paris 1983 Oct 27;59(39):2735–8 (Eng. Abstr.) **(Fre)**

[Postoperative pain treatment in surgery] Hempel V, et al.
Chirurg 1983 Dec;54(12):769–74 **(Ger)**

[Pain treatment of tumor patients] Kleeberg UR, et al.
MMW 1983 Sep 30;125(39):114–6 **(Ger)**

[Uses—risks—relationships of common analgesics and antipyretics] Gladtke E. **Monatsschr Kinderheilkd** 1984 Jun; 132(6):444–8 **(Ger)**

[Treatment of tumor pain] Hoffmann L. **Onkologie** 1984 Feb; 7 Suppl 1:62–4 (Eng. Abstr.) **(Ger)**

[Pharmacotherapy of pain] Krupp P. **Orthopade** 1984 Jun; 13(3):207–11 **(Ger)**

[Evaluation of the analgesic activity of zomepirac sodium on sciatica and lower back pain] Pipino F, et al. **Boll Chim Farm** 1984 Jan;123(1):1S–5S (Eng. Abstr.) **(Ita)**

TOXICITY

Preclinical toxicity and teratogenicity studies with the narcotic antagonist analgesic drug TR5379M. Porter MC, et al. **Fundam Appl Toxicol** 1983 Sep–Oct;3(5):478–82

[Assessment of drug nephrotoxicity by the excretion of tubule–specific membrane antigens and enzymes] Scherberich JE, et al. **Z Gesamte Inn Med** 1983 Nov 1; 38(21):571–80 (59 ref.) (Eng. Abstr.) **(Ger)**

URINE

Terminal N–sulphoconjugation of an alicyclic amine (piperazine), identified as a new metabolite of tiaramide in mouse and rat. Iwasaki K, et al. **Xenobiotica** 1983 May; 13(5):273–8

ANALGESICS, ADDICTIVE

Alfentanil in minor gynaecological surgery: use with etomidate and a comparison with halothane. Antonios WR, et al. **Anaesthesia** 1984 Aug;39(8):812–5

(–)–alpha–Acetylmethadol for treatment of chronic pain patients who abuse opioids. Tennant FS Jr. **Drug Alcohol Depend** 1983 Nov;12(3):243–7

A withdrawal hyperalgesia test for physical dependence: evaluation of mu and mixed–partial opioid agonists. VonVoigtlander PF, et al. **J Pharmacol Methods** 1983 Dec; 10(4):277–82

Doctors—the duped drug suppliers. Part II. Hunziker C. **Minn Med** 1984 Jan;67(1):31

Narcotics. Hug CC Jr. **Mt Sinai J Med (NY)** 1983 Jul–Aug; 50(4):305–7

Studies on o–methylflavinantine. 1. Analgesic effect of o–methylflavinantine in mice. Ansa–Asamoah R, et al. **Planta Med** 1984 Feb;(1):69–73

[Stereochemical aspects of morphine–type analgesics] Palát K, et al. **Cesk Farm** 1983 Jul;32(6):223–9 **(Cze)**

[Use of alfentanyl in short–term anesthesia. Initial results] Hoffmann P, et al. **Anaesthesist** 1984 Mar;33(3):137–9 (Eng. Abstr.) **(Ger)**

[Clinical experiences with the short–acting opioid alfentanil (Rapifen)] Jost U, et al. **Anasth Intensivther Notfallmed** 1984 Feb;19(1):8–13 (Eng. Abstr.) **(Ger)**

ADMINISTRATION & DOSAGE

Drug therapy for severe, chronic pain in terminal illness. **Ann Intern Med** 1983 Dec;99(6):870–3 (29 ref.)

Demand analgesia [letter] Keeri–Szanto M. **Br J Anaesth** 1983 Sep;55(9):919–20

Cardiff Palliator [letter] Rosen M, et al. **Br J Anaesth** 1983 Sep;55(9):922

Patient–controlled analgesia [letter] **Can Anaesth Soc J** 1984 Jan;31(1):120–2

New narcotic agonists and antagonists in anaesthesia. Hug CC Jr. **Can Anaesth Soc J** 1984 May;31(3 Pt 2):S5–8

Patient–controlled analgesia: dose increments and equianalgesic doses [letter] Graves DA, et al. **Clin Pharm** 1984 Jan–Feb;3(1):19–20

Extraordinary analgesic requirement in a patient previously unexposed to narcotics. Graves DA, et al. **Drug Intell Clin Pharm** 1984 Jul–Aug;18(7–8):598–600

Pain management by epidural analgesia: the challenge for nursing. Grinde JW, et al. **Heart Lung** 1984 Mar; 13(2):105–10

Epidural and intrathecal opiates in obstetrics. Kanto J, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 Jun;22(6):316–23 (65 ref.)

The efficacy of patient–controlled analgesia in patients recovering from flank incisions. Atwell JR, et al. **J Urol** 1984 Oct;132(4):701–3

Epidural opiates for the treatment of cancer pain. Zenz M. **Recent Results Cancer Res** 1984;89:107–14

[Advantages of automated administration of narcotic analgesics during postoperative analgesia] Levité EM, et al. **Anesteziol Reanimatol** 1983 Jul–Aug;(4):53–4 (Eng. Abstr.) **(Rus)**

[Comparison of the analgetic activity of opioid peptides administered intracisternally and intravenously to mice] Chichenkov ON, et al. **Farmakol Toksikol** 1984 Jan–Feb; 47(1):23–6 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Narcotic bowel syndrome treated with clonidine. Resolution of abdominal pain and intestinal pseudo–obstruction. Sandgren JE, et al. **Ann Intern Med** 1984 Sep;101(3):331–4

Life–threatening reactions after pedodontic sedation: an assessment of narcotic, local anesthetic, and antiemetic drug interaction. Goodson JM, et al. **J Am Dent Assoc** 1983 Aug;107(2):239–45

[Pellagra in morazone abuse] Kingreen JC, et al. **Z Hautkr** 1984 May 1;59(9):573–7 (Eng. Abstr.) **(Ger)**

[Behavioral manifestations of the abstinence syndrome in the rat] Kovalenko VS, et al. **Zh Vyssh Nerv Deiat** 1984 May–Jun;34(3):581–3 **(Rus)**

ANALYSIS

A rapid method of screening blood and urine samples for narcotic analgesics. Pe W. **J Forensic Sci Soc** 1983 Jul; 23(3):221–4

CHEMICAL SYNTHESIS

Opioid peptides. Structure–activity relationships of dermorphin endothiotetrapeptides. VII. Salvadori S, et al. **Farmaco [Sci]** 1984 Apr;39(4):316–21

METABOLISM

The effect of two different buffers on the high affinity 3H–ethylketocyclazocine and 3H–SKF10047 binding to guinea pig brain membranes. Grynne BH, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Mar;54(3):195–200

Accumulation of alfentanil [letter] Wyatt R, et al. **Anaesthesia** 1984 Feb;39(2):189–90

Alfentanil kinetics in the elderly. Helmers H, et al. **Clin Pharmacol Ther** 1984 Aug;36(2):239–43

Resolution in the receptor binding of putative mu and kappa opiates. Medzihradsky F, et al. **Life Sci** 1984 May 28; 34(22):2129–38

Comparative pharmacological properties and autoradiographic distribution of [3H]ethylketocyclazocine binding sites in rat and guinea pig brain. Quirion R, et al. **Life Sci** 1983;33 Suppl 1:183–6

Ontogeny of benzomorphan–selective (kappa) sites: a computerized analysis. Spain JW, et al. **Life Sci** 1983;33 Suppl 1:235–8

PHARMACODYNAMICS

GABA–opiates interactions in the activity of analgesics. Zakusov VV, et al. **Arch Int Pharmacodyn Ther** 1983 Sep; 265(1):61–75

Inhibitory effect of eseroline, an opiate like drug, on the rat nociceptive thalamic neurons activated by peripheral noxious stimuli. Braga PC, et al. **Brain Res** 1984 Mar 26; 296(1):177–80

Clinical pharmacology of opioid analgesics. Moore PA. **Dent Clin North Am** 1984 Jul;28(3):389–400

Cardiovascular and some respiratory effects of high doses of alfentanil in dogs. D'Aubioul J, et al. **Eur J Pharmacol** 1984 Apr 13;100(1):79–84

Development of new agents and techniques for intravenous analgesia. Thut PD. **J Dent Res** 1984 Jun;63(6):834–7

A rabbit tooth–pulp assay to determine ED50 values and duration of action of analgesics. Wynn RL, et al. **J Pharmacol Methods** 1984 Apr;11(2):109–17

The mode of action of analgesic drugs in adjuvant arthritic rats as an experimental model of chronic inflammatory pain: possible central analgesic action of acidic nonsteroidal antiinflammatory drugs. Okuyama S, et al. **Jpn J Pharmacol** 1984 Jun;35(2):95–103

Genetic differences in opioids binding sites and in antinociceptive activities of morphine and ethylketocyclazocine. Jacob J, et al. **Life Sci** 1983;33 Suppl 1:645–8

Medullary kappa hyperalgesic mechanisms II. The effects of ethylketazocine administered into the fourth cerebral ventricle of the conscious dog. Kamerling SG, et al. **Life Sci** 1983 Oct 31;33(18):1839–43

Differential analgesic cross–tolerance to morphine between lipophilic and hydrophilic narcotic agonists. Paktor J, et al. **Life Sci** 1984 Jan 2;34(1):13–21

Comparison of analgesic potencies of mu, delta and kappa agonists locally applied to various CNS regions relevant to analgesia in rats. Satoh M, et al. **Life Sci** 1983;33 Suppl 1:689–92

Pharmacology of opioids. Martin WR. **Pharmacol Rev** 1983 Dec;35(4):283–323 (295 ref.)

Involvement of biogenic amines with the mechanisms of novel analgesics. Vonvoigtlander PF, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1983; 7(4–6):651–6

Opioid drugs and their receptors. A summary of the present state of knowledge. Offermeier J, et al. **S Afr Med J** 1984 Aug 25;66(8):299–305 (54 ref.)

Effect of opiate analgesia and opioid blockade on urethral mucosal sensitivity threshold. Murray K, et al. **Urology** 1983 Sep;22(3):332–4

[Somatosensory evoked potentials under alfentanyl] Freye E, et al. **Anaesthesist** 1984 Feb;33(2):103–7 (Eng. Abstr.) **(Ger)**

[Modification of cardiac circulation and respiratory parameters by alfentanil] Schaps D, et al. **Anaesthesist** 1984 May;33(5):228–34 (Eng. Abstr.) **(Ger)**

[Centrally–acting analgesics. The discovery of the effect of morphine] Schönenberger PM. **Ther Umsch** 1983 Aug; 40(8):704–8 (44 ref.) (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

The analgesic effect of a low dose of alfentanil. Black TE, et al. **Anaesthesia** 1984 Jun;39(6):546–8

Drugs for severe chronic pain [letter] Meyer BR. **Ann Intern Med** 1984 Jun;100(6):921–2

A new series of oral medications for chronic (cancer) pain relief. Baker JP. **Compr Ther** 1984 May;10(5):48–54

Strong analgesics in severe pain. Gourlay GK, et al. **Drugs** 1984 Jul;28(1):79–91

To comfort always: strategies for pain management in terminal cancer. Frazier LM, et al. **NC Med J** 1984 May; 45(5):283–90

Control of cancer pain with analgesics acting in the central nervous system. Wörz R. **Recent Results Cancer Res** 1984; 89:100–6

[Drug therapy of pain in patients with rheumatoid arthritis] Pavelka K, et al. **Cas Lek Cesk** 1984 Apr 6;123(14):407–11 (Eng. Abstr.) **(Cze)**

[Postoperative pain treatment in surgery] Hempel V, et al. **Chirurg** 1983 Dec;54(12):769–74 **(Ger)**

TOXICITY

Ventilatory and mental effects of alfentanil and fentanyl. Scamman FL, et al. **Acta Anaesthesiol Scand** 1984 Feb; 28(1):63–7

ANALGESICS, ANTI–INFLAMMATORY

see related

ANTI–INFLAMMATORY AGENTS

Pharmacological properties of 2–[4–(2–thiazolyloxy)–phenyl]–propionic acid (480156–S), a new non–steroidal antiinflammatory agent. Hirose K, et al. **Arzneimittelforsch** 1984;34(3):280–6

The pharmacological profile of 2–(8–methyl–10,11–dihydro–11–oxodibenz[b,f]oxepin–2–yl acid (AD–1590), a new non–steroidal anti–inflammatory agent with potent antipyretic activity. Nakamura H, et al. **Arzneimittelforsch** 1983;33(11):1555–69

Pirprofen. Dionne RE, et al. **Drug Intell Clin Pharm** 1983 Dec;17(12):894–7 (37 ref.)

Anti–inflammatory and analgesic activity in alcoholic extract of Tamus communis L. Capasso F, et al. **J Ethnopharmacol** 1983 Sep;8(3):321–5

2–Phenylpyrazolo[1,5–a]pyrimidin–7–ones. A new class of nonsteroidal antiinflammatory drugs devoid of ulcerogenic activity. Auzzi G, et al. **J Med Chem** 1983 Dec; 26(12):1706–9

AD–1590, a potent antagonist of lipopolysaccharide–induced fever in rabbits. Nakamura H, et al. **J Pharm Pharmacol** 1984 Mar;36(3):182–6

Antipyretic effect of centrally administered CRF. Bernardini GL, et al. **Peptides (Fayetteville)** 1984 Jan–Feb;5(1):57–9

Intracerebroventricular and septal injections of arginine vasopressin are not antipyretic in the rabbit. Bernardini GL, et al. **Peptides (Fayetteville)** 1983 Mar–Apr;4(2):195–8

Antipyretic and antibacterial actions of Teucrium polium (L.). Autore G, et al. **Pharmacol Res Commun** 1984 Jan; 16(1):21–9

Analgesic and anti–inflammatory properties of 4–propionyl–4–(4–chlorophenyl)–1–(3–dimethylaminoprop dihydrochloride. Gajewski F, et al. **Pol J Pharmacol Pharm** 1982 Nov–Dec;34(5–6):365–72

[Dehydrogenation accompanied decomposition of pyrido–pyrimidine carboxamide (CHINOIN–127)] Gergelyné–Zobin A, et al. **Acta Pharm Hung** 1983 Sep; 53(5):222–8 (Eng. Abstr.) **(Hun)**

[Comparative study of the antipyretic activity of suprofen] Rizzo SC, et al. **Boll Chim Farm** 1983 Sep;122(9):28S–36S (Eng. Abstr.) **(Ita)**

[The analgesic and antipyretic effects of a non–steroidal anti–inflammatory drug, oxaprozin, in experimental animals] Amanuma F, et al. **Nippon Yakurigaku Zasshi** 1984 Apr;83(4):345–54 (Eng. Abstr.) **(Jpn)**

[Pharmacological studies of dl–2[3–(2'–chlorophenoxy)phenyl]propionic acid. I. Analgesic and antipyretic effects] Kaneko T, et al. **Nippon Yakurigaku Zasshi** 1983 Jun;81(6):481–92 (Eng. Abstr.) **(Jpn)**

[Pharmacological studies of d1–2–[3–(2'–chlorophenoxy)phenyl]propionic acid. (2) Sites and mechanisms of analgesic and antipyretic effects] Kaneko T, et al. **Nippon Yakurigaku Zasshi** 1983 May; 81(5):385–97 (Eng. Abstr.) **(Jpn)**

ADMINISTRATION & DOSAGE

Fentiazac in osteoarthritis: comparison of BID and QID regimens. Molina–López J. **Clin Ther** 1983;5(5):462–71

Episiotomy pain: efficacy and safety of fluproquazone compared to aspirin and placebo. London R, et al. **Int J Gynaecol Obstet** 1983 Jun;21(3):251–5

[Piroxicam (Felden), in the form of 20 mg suppositories, in the treatment of acute and chronic rheumatic diseases] Chantraine A, et al. **Rev Med Suisse Romande** 1984 Apr; 104(4):303–8 **(Fre)**

[Hyperthermia in children, efficacy of a drinkable solution of paracetamol] Gautry P, et al. **Sem Hop Paris** 1984 Jan 12;60(1):63–5 (Eng. Abstr.) **(Fre)**

[Variants of irrigotherapy of lumbosacral radicular syndromes] Neimark EZ, et al. **Vrach Delo** 1984 Mar; (3):97–9 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Prescription–event monitoring. A preliminary study of

benoxaprofen and fenbufen. Inman WH.
Acta Med Scand [Suppl] 1984;683:119–26
Hepatotoxicity following the therapeutic use of antipyretic analgesics. Benson GD. **Am J Med** 1983 Nov 14; 75(5A):85–93 (80 ref.)
Hematologic effects of antipyretic analgesics. Drug-induced agranulocytosis. Heit WF. **Am J Med** 1983 Nov 14; 75(5A):65–9 (32 ref.)
Gastrointestinal effects of antipyretic analgesics. Ivey KJ. **Am J Med** 1983 Nov 14;75(5A):53–64 (108 ref.)
Interactions of analgesics with other drugs. Klotz U. **Am J Med** 1983 Nov 14;75(5A):133–8 (64 ref.)
Renal effects of antipyretic analgesics. Nanra RS. **Am J Med** 1983 Nov 14;75(5A):70–81 (177 ref.)
Analgesics during pregnancy. Niederhoff H, et al. **Am J Med** 1983 Nov 14;75(5A):117–20 (38 ref.)
Drug interactions affecting analgesic toxicity. Prescott LF, et al. **Am J Med** 1983 Nov 14;75(5A):113–6 (27 ref.)
Antipyretic analgesics and the allergic patient. Szczeklik A. **Am J Med** 1983 Nov 14;75(5A):82–4
Non-steroidal analgesics and anti-inflammatory agents [letter] Fowler RW, et al. **Br Med J [Clin Res]** 1983 Sep 17;287(6395):835
Piroxicam-induced photosensitivity. In vivo and in vitro studies of its photosensitizing potential. Serrano G, et al. **J Am Acad Dermatol** 1984 Jul;11(1):113–20
Suppression of clinical signs of infection by NSAIDs [letter] Carmody TJ, et al. **J Am Geriatr Soc** 1984 Sep;32(9):691
Gastrointestinal microbleeding associated with the use of etodolac, ibuprofen, indomethacin, and naproxen in normal males. Salom IL, et al. **J Clin Pharmacol** 1984 May–Jun; 24(5–6):240–6
Severe coronary spasm during zomepirac-induced allergic reaction [letter] Ahmad S. **South Med J** 1984 Jul;77(7):938
[Skin lesions related to a new anti-inflammatory agent: fenbufen. Apropos of 3 clinical cases] Nicolas C, et al. **Ann Dermatol Venereol** 1983;110(5):419–23 (Eng. Abstr.) **(Fre)**
[Acute renal failure and nephrotic syndrome related to pirprofen (letter)] Domenget JF, et al. **Presse Med** 1984 Feb 11;13(5):283 **(Fre)**
[Pirprofen hepatitis with a favorable development. Apropos of 5 cases] Castot A, et al. **Therapie** 1984 May–Jun; 39(3):297–303 (Eng. Abstr.) **(Fre)**
[Urticaria—angioedema induced by non-steroidal anti-inflammatory analgesics] Díez Gómez ML, et al. **Allergol Immunopathol (Madr)** 1984 May–Jun;12(3):179–88 (Eng. Abstr.) **(Spa)**
[Piroxicam – edema] **Lakartidningen** 1984 Jan 4;81(1–2):25 **(Swe)**

ANALYSIS

Simultaneous determination of zomepirac and its major metabolite zomepirac glucuronide in human plasma and urine. Langendijk PN, et al. **J Chromatogr** 1984 May 11; 307(2):371–9

CHEMICAL SYNTHESIS

Studies on the synthesis and analgesic and anti-inflammatory activities of 2-thiazolylamino- and 2-thiazolyloxy-arylacetic acid derivatives. Maeda R, et al.
Chem Pharm Bull (Tokyo) 1983 Oct;31(10):3424–45
Syntheses and anti-inflammatory and analgesic activities of hydroxamic acids and acid hydrazides. Tanaka K, et al. **Chem Pharm Bull (Tokyo)** 1983 Aug;31(8):2810–9
Synthesis of 5-amino-4(3H)-pyrimidinones. II. Synthesis of 5-acyl- and 5-alkylamino-3-phenyl-6-methyl-4(3H)-pyrimidinones and determination of their analgesic and antiinflammatory activities. Ueda T, et al. **Chem Pharm Bull (Tokyo)** 1983 Dec;31(12):4263–9
Research on heterocyclic compounds. XIV – Imidazothiazole and imidazobenzothiazole derivatives: synthesis and antiinflammatory activity. Abignente E, et al.
Farmaco [Sci] 1983 Aug;38(8):534–45
Research on heterocyclic compounds. XV. Substitution influence on the pharmacological activity in a series of imidazo[1,2-a]pyridines. Abignente E, et al.
Farmaco [Sci] 1983 Dec;38(12):911–28
Synthesis and pharmacological activity of 3-substituted pyrido[3',2':4,5]thieno[3,2-d]pyrimidin-4(3H)-ones. Bousquet E, et al. **Farmaco [Sci]** 1984 Feb;39(2):110–9
Nonsteroidal antiinflammatory agents. 14. Synthesis and pharmacological profile of 6-chloro-5-(cyclopentylmethyl)indan-1-carboxylic acid. Boettcher I, et al. **J Med Chem** 1984 Mar;27(3):413–4
Dibenz[b,e]oxepinalkanoic acids as nonsteroidal antiinflammatory agents. 4. Synthesis and evaluation of 4-(4,10-dihydro-10-oxothieno[3,2-c][1]benzoxepin-8-yl)butanol and -butyric acid and related derivatives. Martin LL, et al. **J Med Chem** 1984 Mar; 27(3):372–6
3-Alkyl-2-aryl-3H-naphth[1,2-d]imidazoles, a novel class of nonacidic antiinflammatory agents. Toja E, et al.
J Med Chem 1984 May;27(5):610–6
Synthesis and some biological properties of substituted xanthone-2-carboxylic acids. Eckstein M, et al.
Pol J Pharmacol Pharm 1983;35(2):159–67
[Synthesis of pyrazole and pyrazolo [4,3-d] pyrimidinone derivatives. II] Baraldi PG, et al. **Farmaco [Sci]** 1983 Jul; 38(7):508–13 (Eng. Abstr.) **(Ita)**

HISTORY

History of antipyretic analgesic therapy. Haas H.
Am J Med 1983 Nov 14;75(5A):1–3

METABOLISM

Antipyretic analgesic drugs as models for studies of drug disposition in old age. Greenblatt DJ, et al. **Am J Med** 1983 Nov 14;75(5A):127–32
Pharmacokinetic considerations of common analgesics and antipyretics. Hartwig-Otto H. **Am J Med** 1983 Nov 14; 75(5A):30–7
Pharmacokinetics of isoprazone, a new analgesic antipyretic agent, in the rat. Assandri A, et al. **Farmaco [Prat]** 1984 Apr;39(4):118–30
Pharmacokinetics of tinoridine after oral administration to healthy subjects and patients with renal failure. Delhotal B, et al. **Int J Clin Pharmacol Ther Toxicol** 1983 Aug; 21(8):410–6
[Comparative elimination of pirprofen from the plasma and synovial fluid of the knee. 26 cases] Schoeller JP, et al. **Presse Med** 1983 Sep 24;12(33):2045–7 (Eng. Abstr.) **(Fre)**
[Biotransformation und pharmacokinetics of beta-methyl[1,1'-biphenyl]-4-propanenitrile (LU 20884) in rats. Studies on biotransformation] Neidlein R, et al.
Arzneimittelforsch 1983;33(7):920–5 (Eng. Abstr.) **(Ger)**
[Pharmaceutical and biopharmaceutical assessment of acetylaminopropoxybenzene (Falimint). 5. Characterization of metabolites of Falimint with square wave- and oscillopolarography] Gerlach K, et al. **Pharmazie** 1984 May;39(5):354–5 **(Ger)**

PHARMACODYNAMICS

Antipyretic analgesic therapy. Current worldwide status.
Am J Med 1983 Nov 14;75(5A):1–140
Prostaglandins and the mode of action of antipyretic analgesic drugs. Brune K. **Am J Med** 1983 Nov 14; 75(5A):19–23
Nonopioid analgesics for patients with dental pain. Deuben RR. **Dent Clin North Am** 1984 Jul;28(3):401–12
Local inhibition of inflammatory pain by naloxone and its N-methyl quaternary analogue. Rios L, et al.
Eur J Pharmacol 1983 Dec 23;96(3–4):277–83
An ultrasound-induced tail-flick procedure: evaluation of nonsteroidal antiinflammatory analgesics. Mohrland JS, et al. **J Pharmacol Methods** 1983 Jun;9(4):279–82
The mode of action of analgesic drugs in adjuvant arthritic rats as an experimental model of chronic inflammatory pain: possible central analgesic action of acidic nonsteroidal antiinflammatory drugs. Okuyama S, et al.
Jpn J Pharmacol 1984 Jun;35(2):95–103
Inhibition of in vitro neutrophil responses to chemotactic factors by piroxicam. Tanaka K, et al. **Jpn J Pharmacol** 1984 Jun;35(2):181–91
alpha-MSH injected into the septal region reduces fever in rabbits. Glyn-Ballinger JR, et al. **Peptides (Fayetteville)** 1983 Mar–Apr;4(2):199–203
[Analgesic and antipyretic effects of trilobine hydrochloride without induction of physical dependence] Zheng LZ, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Mar;5(1):11–4 (Eng. Abstr.) **(Chi)**
[Histopathologic studies of the effect of acemetacin on the articular cartilage of monkeys] Jacobi H, et al.
Med Welt 1983 Nov 11;34(45):1277–81 **(Ger)**
[Modification of digestive transit by an anti-inflammatory analgesic (isonixin) and its re-establishment by metoclopramide] Mitjavila MT, et al.
Arch Farmacol Toxicol 1983 Apr;9(1):125–30 **(Spa)**

POISONING

Acute toxicity of pyrazolones. Okonek S, et al.
Am J Med 1983 Nov 14;75(5A):94–8 (26 ref.)

THERAPEUTIC USE

Piroxicam, acetylsalicylic acid and placebo for postoperative pain. Breivik H, et al. **Acta Anaesthesiol Scand** 1984 Feb; 28(1):37–9
Femoxetine – a new 5-HT uptake inhibitor – and propranolol in the prophylactic treatment of migraine. Kangasniemi PJ, et al. **Acta Neurol Scand** 1983 Oct;68(4):262–7
Steady-state visual evoked potentials during migraine prophylaxis by propranolol and femoxetine. Nyrke T, et al. **Acta Neurol Scand** 1984 Jan;69(1):9–14
Antrafenine: anti-inflammatory activity with respect to oedema and leucocyte infiltration in the rat. Dunn CJ, et al. **Agents Actions** 1984 Feb;14(2):296–9
Use of antipyretic analgesics in the pediatric patient. Gladtke E. **Am J Med** 1983 Nov 14;75(5A):121–6 (26 ref.)
Review of comparative antipyretic activity in children. Temple AR. **Am J Med** 1983 Nov 14;75(5A):38–46 (72 ref.)
Pain relief in relation to tissue piroxicam concentrations in hip osteoarthritis. Julkunen H, et al. **Ann Clin Res** 1983 Jun;15(3):99–103
Comparative study of piroxicam and ibuprofen in rheumatoid arthritis. Alam MN, et al.
Bangladesh Med Res Counc Bull 1983 Dec;9(2):54–9
Prescription information leaflets: a pilot study in general practice. George CF, et al. **Br Med J [Clin Res]** 1983 Oct 22;287(6400):1193–6
Migraine headache:—the prophylactic role of an isopyrin-phebuzine compound (Tomanol). Mamvura CB. **Cent Afr J Med** 1983 Oct;29(10):200–1
Double-blind crossover comparison of piroxicam and indomethacin in rheumatoid arthritis. Domljan Z, et al. **Clin Rheumatol** 1984 Jun;3(2):217–22
Double-blind evaluation of low-dose proglumetacin versus naproxen in rheumatoid arthritis out-patients. Esprito Santo J, et al. **Curr Med Res Opin** 1983;8(7):524–30
Fentiazac in the treatment of osteoarthritis and tendinitis. Famaey JP, et al. **Curr Med Res Opin** 1983;8(9):675–81
A multi-centre study of piroxicam in the treatment of osteoarthritis and rheumatoid arthritis in general practice. Gow PJ. **Curr Med Res Opin** 1983;8(9):618–21
Piroxicam versus naproxen in rheumatoid arthritis. Mbuyi-Muamba JM, et al. **Curr Med Res Opin** 1983; 8(9):612–7
A multi-centre study of tiaprofenic acid ('Surgam') and five comparative drugs in rheumatoid arthritis and osteoarthritis in general practice. Mungavin JM, et al.
Curr Med Res Opin 1983;8(7):461–71
Clinical evaluation of piroxicam in acute musculoskeletal injuries seen in general practice. Williamson CM.
Curr Med Res Opin 1983;8(9):622–5
Controlled clinical study with Fentiazac suspension in painful inflammatory diseases of children. Catti A.
J Int Med Res 1983;11(5):298–302
Clinical trial of pirprofen in arthrosis of the knee joint: a double-blind comparison with indomethacin. Diverse P, et al. **J Int Med Res** 1983;11(4):218–21
Isopyrine-phenylbutazone for intractable migraine [letter] Newby D. **S Afr Med J** 1984 Sep 1;66(9):321–2
[Therapeutic effect of fever-clearing diuretic soup on 86 cases of acute nephritis in children] Li KZ.
Chung Hsi I Chieh Ho Tsa Chih 1984 Mar;4(3):171 **(Chi)**
[Comparison of jaundice-reducing effect of drugs for eliminating pathogenic heat from blood and invigorating blood circulation, corticosteroids and toxic heat-removing drugs in the treatment of cholestatic hepatitis] Wang CB. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Feb;4(2):80–3 (Eng. Abstr.) **(Chi)**
[Drug therapy of pain in patients with rheumatoid arthritis] Pavelka K, et al. **Cas Lek Cesk** 1984 Apr 6;123(14):407–11 (Eng. Abstr.) **(Cze)**
[Fenoprofen as a treatment of postsurgical pain] Detournay M. **Rev Med Liege** 1983 Nov 15;38(22):855–9 **(Fre)**
[Fever in children] Dominick HC.
Med Monatsschr Pharm 1983 Dec;6(12):369–74 **(Ger)**
[Multicenter study of Felden 20 suppositories in 3887 patients] von Criegern T. **Med Welt** 1983 Nov 11; 34(45):1290–3 **(Ger)**
[Uses—risks—relationships of common analgesics and antipyretics] Gladtke E. **Monatsschr Kinderheilkd** 1984 Jun; 132(6):444–8 **(Ger)**
[Rengasil (Pirprofen) as an example of an analgesic] Schönenberger PM. **Ther Umsch** 1983 Aug;40(8):709–12 (Eng. Abstr.) **(Ger)**
[Clinical study of imidazole-2-hydroxybenzoate in pediatrics] Careddu P. **Boll Chim Farm** 1983 Dec;122(12):56S–63S (Eng. Abstr.) **(Ita)**
[Controlled clinical study of the clinical efficacy and tolerability of a new nonsteroidal anti-inflammatory preparation, imidazole-2-hydroxybenzoate, in patients with pain and phlogistic syndromes of varying etiopathogenesis] Ginesu F, et al. **Boll Chim Farm** 1983 Dec;122(12):37S–49S (Eng. Abstr.) **(Ita)**
[Clinical study of the anti-inflammatory, analgesic and antipyretic actions of imidazole-2-hydroxybenzoate in acute inflammation of the respiratory tract] Zavanella A, et al. **Boll Chim Farm** 1983 Dec;122(12):50S–55S (Eng. Abstr.) **(Ita)**
[Treatment of osteoarthrosis with a new nonsteroidal anti-inflammatory agent, carprofen] Pipino F, et al.
Clin Ter 1984 Mar 15;108(5):405–10 (Eng. Abstr.) **(Ita)**

TOXICITY

The phototoxic effect of benoxaprofen and its analogs on human erythrocytes and rat peritoneal mast cells. Sik RH, et al. **Photochem Photobiol** 1983 Oct;38(4):411–5

ANALOG-DIGITAL CONVERSION

Discrete sampling of continuous biological signals: analog-to-digital conversion. Cauller L, et al.
Brain Res Bull 1983 Dec;11(6):755–60
An interface to input analog signals to a remotely located computer. Fackrell HB, et al. **Int J Biomed Comput** 1984 Mar–Apr;15(2):159–64

ANALYSIS OF VARIANCE

An exact substitute of the Kruskal-Wallis test for several two-member samples. Lukš A.
Acta Univ Palacki Olomuc Fac Med 1980;94:373–83
Ordinality and disordinality of first-order interaction in ANOVA. Hager W, et al. **Arch Psychol (Frankf)** 1983; 135(4):341–59
A pocket calculator program for Duncan's New Multiple Range Test and analysis of variance. Lawrence RA.
Comput Biol Med 1984;14(3):357–62
Principal components analysis of haematological data from

F344 rats with bladder cancer fed N-(ethyl)-all-trans-retinamide. Festing MF, et al. **Food Chem Toxicol** 1984 Jul;22(7):559-72

Approximate variance formulas for standardized rate ratios. Flanders WD. **J Chronic Dis** 1984;37(6):449-53

Analysis of covariance in dental caries clinical trials. Grainger RM, et al. **J Dent Res** 1984 May;63 Spec No:766-72

The use of multivariate analysis of variance in physiological research: the two-group case. Donner AP, et al. **Med Sci Sports Exerc** 1983;15(6):545-8

New mathematical statistical methods for detecting correct echocardiographic (ECG) and vectorcardiographic (VCG) diagnosis criteria by computerization. I. The determination of the upper (Lu) and low (Ll) limits for VCG amplitudes. The multivariate analysis. Arsenescu G, et al. **Physiologie** 1983 Jul-Sep;20(3):205-11

Validity and power investigation of a test for serial correlation in univariate repeated measures analysis. Hearne EM 3d, et al. **Stat Med** 1983 Oct-Dec;2(4):497-504

Stratified analysis of multivariate clinical data: application of a Mantel-Haenszel approach. Mantel N, et al. **Stat Med** 1983 Apr-Jun;2(2):259-66

The choice between analysis of variance and analysis of covariance with special reference to the analysis of organ weights in toxicology studies. Shirley EA, et al. **Stat Med** 1984 Jan-Mar;3(1):85-91

The use of background data in the analysis of covariance. Shirley EA. **Stat Med** 1982 Jul-Sep;1(3):281-91

Application of biplot methods to the multivariate analysis of toxicological and pharmacokinetic data. Shy-Modjeska JS, et al. **Toxicol Appl Pharmacol** 1984 Jan;72(1):91-101

ANALYZERS, NEURAL see **NEURAL ANALYZERS**

ANAPHASE

The organization of microtubules during anaphase and telophase spindle elongation in the rust fungus Puccinia. Tippit DH, et al. **Eur J Cell Biol** 1984 May;34(1):34-44

Immunocytochemical localization of chromatin regions UV-microirradiated in S phase or anaphase. Evidence for a territorial organization of chromosomes during cell cycle of cultured Chinese hamster cells. Hens L, et al. **Exp Cell Res** 1983 Nov;149(1):257-69

DRUG EFFECTS

Anaphase-telophase analysis of chromosomal damage induced by chemicals. Dulout FN, et al. **Environ Mutagen** 1984;6(3):299-310

ANAPHYLACTOID PURPURA see **PURPURA, SCHOENLEIN-HENOCH**

ANAPHYLATOXINS see under **PEPTIDES**

ANAPHYLAXIS

see related
SRS-A

Insect sting anaphylaxis and beta-adrenergic blockade: a relative contraindication. Awai LE, et al. **Ann Allergy** 1984 Jul;53(1):48-9

Antigenic reactivity: molecular delineation of monohaptenic anaphylactogens. Schneider CH, et al. **Biopolymers** 1983 Jan;22(1):475-9

[Immunopathology of parasitic infections (protozoans and helminths)] Panaitescu D. **Rev Ig [Bacteriol]** 1984 Jan-Mar; 29(1):71-7 **(Rum)**

BLOOD

Comparative study of blood clotting factors in anaphylactic and primary and secondary endotoxin shock. Ferrell WJ, et al. **Ann Clin Lab Sci** 1983 Jul-Aug;13(4):291-8

Histamine, cortisol and organ changes in fatal anaphylactic shock in guinea-pigs. Hirvonen J, et al. **Forensic Sci Int** 1984 Feb;24(2):99-106

Anaphylaxis-induced increase in plasma cyclic AMP dependent on endogenous catecholamines in rats. Okabe E, et al. **Pharmacology** 1983;27(3):160-8

[Dynamics of serum immunoglobulin concentrations in the rabbit during experimental food anaphylaxis] Piatnitskiĭ NN, et al. **Vopr Pitan** 1984 Jan-Feb;(1):44-7 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Anaphylactoid reaction to dextran in a 3-month-old infant [letter] Garty B, et al. **Acta Paediatr Scand** 1984 Jul; 73(4):559

Focal renal cortical necrosis associated with zomepirac. Darwish R, et al. **Am J Med** 1984 Jun;76(6):1113-7

Anaphylaxis due to chloramphenicol. Palchick BA, et al. **Am J Med Sci** 1984 Jul-Aug;288(1):43-5

Althesin reaction in a child [letter] Brown TC, et al. **Anaesth Intensive Care** 1983 Nov;11(4):390

Anaphylactoid reaction to pancuronium. Mishima S, et al. **Anesth Analg** 1984 Sep;63(9):865-6

Thiopental: false-positive RAST in patients with elevated serum IgE. Dueck R, et al. **Anesthesiology** 1984 Sep; 61(3):337-8

Anaphylaxis to intraperitoneal dextran [letter] Reisner LS. **Anesthesiology** 1984 Mar;60(3):259-60

Anaphylactic reaction on subsequent exposure to Cuprophan-Hollow Fiber Dialyzer: a case report. Bhat K, et al. **Ann Allergy** 1984 Apr;52(4):282-4

Anaphylactic reaction associated with sulindac. Jett GK, et al. **Ann Emerg Med** 1984 Jun;13(6):462-4

Cromolyn sodium and anaphylaxis [letter] Ahmad S. **Ann Intern Med** 1983 Dec;99(6):882

Anaphylaxis following the use of bacitracin ointment. Report of a case and review of the literature. Schechter JF, et al. **Arch Dermatol** 1984 Jul;120(7):909-11

Successful cardiopulmonary bypass in diabetics with anaphylactoid reactions to protamine. Walker WS, et al. **Br Heart J** 1984 Jul;52(1):112-4

Classical pathway activation during an adverse response to protamine sulphate. Best N, et al. **Br J Anaesth** 1983 Nov; 55(11):1149-53

Anaphylactic reactions to ketoconazole. van Dijke CP, et al. **Br Med J [Clin Res]** 1983 Dec 3;287(6406):1673

Anaphylactic reaction to thiopentone: a case report. Westacott P, et al. **Can Anaesth Soc J** 1984 Jul;31(4):434-8

Idiosyncratic reaction to bleomycin in an epithelial tumor [letter] Inbar MJ, et al. **Cancer Chemother Pharmacol** 1984; 13(1):71-2

Acetyl glyceryl ether phosphorylcholine (AGEPC). A putative mediator of cardiac anaphylaxis in the guinea pig. Levi R, et al. **Circ Res** 1984 Feb;54(2):117-24

Anaphylaxis following treatment with a corticosteroid report of one case. Rodger RS. **Clin Allergy** 1983 Sep; 13(5):499-500

Chymopapain allergy: case reports and identification of patients at risk for chymopapain anaphylaxis. Grammer LC, et al. **Clin Orthop** 1984 Sep;(188):139-43

Anaphylaxis and immunologic insulin resistance in a diabetic woman with ketoacidosis. Ross JM, et al. **Diabetes Care** 1984 May-Jun;7(3):276-9

Anaphylactoid reaction caused by intravenous doxycycline during general anesthesia and beta-blockade treatment. Raeder JC. **Drug Intell Clin Pharm** 1984 Jun;18(6):481-2

Anaphylactoid reactions associated with bisantrene infusions. Myers JW, et al. **Invest New Drugs** 1983;1(1):85-8

Local ocular anaphylaxis to papain enzyme contained in a contact lens cleansing solution. Bernstein DI, et al. **J Allergy Clin Immunol** 1984 Sep;74(3 Pt 1):258-60

In vitro basophil histamine release induced by mannitol in a patient with a mannitol-induced anaphylactoid reaction. Findlay SR, et al. **J Allergy Clin Immunol** 1984 May;73(5 Pt 1):578-83

Anaphylaxis following psyllium ingestion. Zaloga GP, et al. **J Allergy Clin Immunol** 1984 Jul;74(1):79-80

Anaphylactic reactions following the intradiscal injection of chymopapain under local anesthesia. Hall BB, et al. **J Bone Joint Surg [Am]** 1983 Dec;65(9):1215-9

Anaphylactic reactions following intradiscal injection of chymopapain under local anesthesia [letter] Jacobs DM, et al. **J Bone Joint Surg [Am]** 1984 Jun;66(5):806-7

Protamine anaphylaxis. Protocols for therapy in acute reactions. Vierthaler LD, et al. **J Kans Med Soc** 1983 Sep; 84(9):454-6

Toxicity associated with intravesical cisplatinum in a patient with superficial bladder cancer. Babaian RJ. **J Urol** 1983 Nov;130(5):974

Anaphylaxis from chymopapain [letter] Agre K, et al. **JAMA** 1984 Apr 20;251(15):1953-4

Anaphylactic reactivity to streptokinase. McGrath KG, et al. **JAMA** 1984 Sep 14;252(10):1314-7

Adverse reactions to N-acetylcysteine [letter] Bateman DN, et al. **Lancet** 1984 Jul 28;2(8396):228

Anaphylactic reaction to intravenous cyclosporin [letter] Kahan BD, et al. **Lancet** 1984 Jan 7;1(8367):52

Anaphylactic reactions to suxamethonium [letter] Vervloet D. **Lancet** 1983 Nov 19;2(8360):1197

Hydrocortisone-induced anaphylaxis. Chan CS, et al. **Med J Aust** 1984 Sep 29;141(7):444-6

Anaphylactic reaction to cytarabine: in vitro evidence that the response is immunoglobulin E mediated. Markman M, et al. **Med Pediatr Oncol** 1984;12(3):201-3

Anaphylactoid reaction to methylprednisolone pulsed therapy for multiple sclerosis. Pryse-Phillips WE, et al. **Neurology (NY)** 1984 Aug;34(8):1119-21

Morphine exacerbates anaphylactic shock in mice by stimulating central opiate receptors. Amir S. **Neurosci Lett** 1983 Sep 30;40(2):169-74

Penicillin-induced anaphylaxis in a patient under hypotensive anesthesia. Gallagher DM, et al. **Oral Surg** 1983 Oct; 56(4):361-4

Systemic anaphylaxis caused by parenteral spectinomycin. Bender BS, et al. **South Med J** 1983 Nov;76(11):1456-7

Species differences in pharmacodynamics: some examples. Aitken MM. **Vet Res Commun** 1983 Dec;7(1-4):313-24 (47 ref.)

[Anaphylactic shock in general anesthesia: apropos of 41 acute accidents caused by myorelaxants] Charpin J, et al. **Bull Acad Natl Med (Paris)** 1983 Apr;167(4):285-90 (Eng. Abstr.) **(Fre)**

[A major complication of hysterosalpingography] Capdeville R, et al. **J Radiol** 1983 Oct;64(10):561-2 (Eng. Abstr.) **(Fre)**

[Acute myocardial ischemia in an anaphylactic reaction of drug origin (letter)] Fischbein L, et al. **Presse Med** 1984 Apr 21;13(17):1100 **(Fre)**

[Anaphylactoid accidents during general anesthesia. Apropos of 55 cases] Leynadier F, et al. **Sem Hop Paris** 1984 Apr 5;60(15):1029-33 (Eng. Abstr.) **(Fre)**

[A case of anaphylactoid reaction following administration of etomidate] Krumholz W, et al. **Anaesthesist** 1984 Mar; 33(3):161-2 (Eng. Abstr.) **(Ger)**

[Heart arrest during dextran infusion despite hapten blockade] Schöning B, et al. **Anasth Intensivther Notfallmed** 1984 Feb; 19(1):34-8 (Eng. Abstr.) **(Ger)**

[Potentiation of anaphylactic reaction by propranolol] Ben-Chetrit E, et al. **Harefuah** 1983 Dec 15;105(12):410-1 (Eng. Abstr.) **(Heb)**

[Anaphylaxis caused by Rheomacrodex (letter)] **Orv Hetil** 1983 Jul 24;124(30):1846 **(Hun)**

[Evaluation of severe side effects of high-dose methotrexate in osteosarcoma] Umeda T, et al. **Gan To Kagaku Ryoho** 1984 Feb;11(2):285-94 (Eng. Abstr.) **(Jpn)**

[Anaphylactoid reaction following alcuronium administration: a case report] Nakamura K, et al. **Masui** 1983 Nov;32(11):1386-90 (Eng. Abstr.) **(Jpn)**

[An autopsy case of fatal anaphylactic shock following intra-venous administration of sulbenicillin] Fukui Y, et al. **Nippon Hoigaku Zasshi** 1983 Apr;37(2):121-4 (Eng. Abstr.) **(Jpn)**

[Case of anaphylactic shock presumably caused by a barium preparation] Fujiwara K, et al. **Nippon Naika Gakkai Zasshi** 1983 Jul;72(7):921-4 **(Jpn)**

[Adverse effects of drugs: mechanisms and factors affecting their occurrence] Mészáros J. **Pol Tyg Lek** 1983 Dec 19-26; 38(51-52):1615-20 **(Pol)**

[Drug-induced shock] Rudzki E, et al. **Pol Tyg Lek** 1983 Dec 19-26;38(51-52):1621-3 **(Pol)**

[Allergic properties of hidden sources of penicillin] Rudzki E. **Pol Tyg Lek** 1983 Jun 13;38(24):743-5 **(Pol)**

[Comparative studies in vitro of the toxic effect of water extracts from synthetic materials in biological tests on living cells] Paluch D. **Polim Med** 1982;12(3-4):79-130 (168 ref.) (Eng. Abstr.) **(Pol)**

[Case of anaphylactic shock caused by vitamin B12] Sobolevskiĭ AI, et al. **Vestn Dermatol Venerol** 1984 Apr; (4):66-7 (Eng. Abstr.) **(Rus)**

[Anaphylactic reaction to intravenous administration of seduxen] Tuleutaev MD, et al. **Vestn Khir** 1984 Jan; 132(1):134-5 **(Rus)**

[Anaphylactic shock after hydrocortisone injection] Rogov VD. **Vestn Otorinolaringol** 1984 Jul-Aug;(4):66-7 **(Rus)**

[Development of anaphylactic shock after polyglucin administration before induction anesthesia] Pogorelko AG, et al. **Voen Med Zh** 1983 Jul;(7):66-7 **(Rus)**

[Anaphylactic shock caused by droperidol. Apropos of a case] Arén Frontera JJ, et al. **Rev Esp Anestesiol Reanim** 1984 Mar-Apr;31(2):75-7 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Life-threatening idiopathic anaphylaxis associated with hyperimmunoglobulinemia E. Greenberger PA. **Am J Med** 1984 Mar;76(3):553-6

[Syncope caused by methacholine exercise-induced cholinergic analphylaxis] van Assendelft AH. **Duodecim** 1984;100(10):623-6 **(Fin)**

DIAGNOSIS

Predicting anaphylaxis to chymopapain [letter] Bernstein IL, et al. **Hosp Pract [Off]** 1984 Jun;19(6):28

Detection of IgE antibodies to suxamethonium after anaphylactoid reactions during anaesthesia. Harle DG, et al. **Lancet** 1984 Apr 28;1(8383):930-2

[Allergic and pseudoallergic reactions to novocaine] Ganina SS, et al. **Stomatologiia (Mosk)** 1984 May-Jun;63(3):56-8 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Thyrotropin-releasing hormone (TRH) improves survival in anaphylactic shock: a central effect mediated by the sympatho-adrenomedullary beta-adrenoceptive system. Amir S, et al. **Brain Res** 1984 Apr 30;298(2):219-24

Beneficial effect of i.c.v. naloxone in anaphylactic shock is mediated through peripheral beta-adrenoceptive mechanisms. Amir S. **Brain Res** 1984 Jan 2;290(1):191-4

The athlete with asthma and allergies. Kolski GB. **Clin Sports Med** 1982 Nov;1(3):397-407 (34 ref.)

Anti-anaphylactic activity of chloroquine. Bhattacharya SK, et al. **Indian J Med Res** 1984 Jan;79:125-30

Characterization of various antiallergic agents using a new method for inducing systemic anaphylaxis in the rat. Ufkes JG, et al. **J Pharmacol Methods** 1984 Jun;11(3):219-26

Epinephrine for treatment of anaphylactic shock. Barach EM, et al. **JAMA** 1984 Apr 27;251(16):2118-22

Beta-blockade in stinging insect anaphylaxis [letter] Ingall M, et al. **JAMA** 1984 Mar 16;251(11):1432

Anti-anaphylactic action in the mouse of thyrotropin-releasing hormone (TRH) is mediated through beta 1-adrenoceptive effectors. Amir S. **Neurosci Lett** 1984 May 4;46(2):127-30

[Cephalosporin allergy and cephalosporin-penicillin cross allergies with special reference to venereologic therapy of severe anaphylactic reactions] Korting HC. **Hautarzt** 1984 May;35(5):225-9 (Eng. Abstr.) **(Ger)**

[Effects of KC-404 on bronchial anaphylactic reactions] Nishino K, et al. **Nippon Yakurigaku Zasshi** 1984 Apr;

83(4):281–9 (Eng. Abstr.) (Jpn)
[Effect of KC–404 on allergic reactions types I–IV] Nishino K, et al. **Nippon Yakurigaku Zasshi** 1984 Apr;83(4):291–9 (Eng. Abstr.) (Jpn)
[Effect of kontrikal on the kinin system of the lymph and blood in anaphylactic shock] Minnebaev MM, et al. **Farmakol Toksikol** 1984 Jan–Feb;47(1):77–81 (Eng. Abstr.) (Rus)

ENZYMOLOGY

Histochemical investigations on phosphorylase, branching enzyme and glycogen in guinea pig livers in experimental anaphylactic and histaminic shock. Zapolska–Downar B. **Folia Histochem Cytochem (Krakow)** 1983;21(3–4):203–10
Anaphylactic release of mucosal mast cell protease and its relationship to gut permeability in Nippostrongylus–primed rats. King SJ, et al. **Immunology** 1984 Apr;51(4):653–60
Changes in brain and lung angiotensin converting enzyme activity in various shocks. Koyuncuoğlu H, et al. **Pharmacol Res Commun** 1984 May;16(5):479–84

ETIOLOGY

Evidence of persistent IgA/IgG circulating immune complexes associated with activation of the complement system in serum of a patient with common variable immune deficiency: anaphylactic reactions to intravenous gammaglobulin. Wahn V, et al. **Acta Pathol Microbiol Immunol Scand [Suppl]** 1984; 284:49–58
Bronchial anaphylaxis in actively sensitized Sprague Dawley rats: studies on mediators involved. Dahlbäck M, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Jul;55(1):6–17
Sudden death due to stinging insect hypersensitivity: postmortem demonstration of IgE antivenom antibodies in a fatal case. Schwartz HJ, et al. **Am J Clin Pathol** 1984 Jun;81(6):794–5
Noncardiogenic pulmonary edema after cardiopulmonary bypass. An anaphylactic reaction to fresh frozen plasma. Hashim SW, et al. **Am J Surg** 1984 Apr;147(4):560–4
Insect sting anaphylaxis and beta–adrenergic blockade: a relative contraindication. Awai LE, et al. **Ann Allergy** 1984 Jul;53(1):48–9
Anaphylaxis to penicillin in a frozen dinner. Schwartz HJ, et al. **Ann Allergy** 1984 May;52(5):342–3
Anaphylaxis presumed to be caused by beef containing streptomycin. Tinkelman DG, et al. **Ann Allergy** 1984 Sep; 53(3):243–4
Anaphylactic reaction to kissing bug bites. Edwards L, et al. **Ariz Med** 1984 Mar;41(3):159–61
Anaphylactic contraction (Schultz–Dale reaction) of the bovine bronchial artery in vitro. Alexander DI, et al. **Br J Pharmacol** 1983 Sep;80(1):7–9
Running shoe anaphylaxis—a case report [letter] Noakes TD. **Br J Sports Med** 1983 Sep;17(3):213
Studies of the mechanism of passive anaphylaxis in human airway smooth muscle. Davis C, et al. **Can J Physiol Pharmacol** 1983 Jul;61(7):705–13
Anaphylactic transfusion reaction associated with a possible anti–A2m(1). Strauss RA, et al. **Clin Lab Haematol** 1983; 5(4):371–7
Exercise–induced anaphylaxis. Berman BA, et al. **Cutis** 1983 Sep;32(3):216, 218
Anaphylactic reactions to industrial toxins. Davies R, et al. **Dev Toxicol Environ Sci** 1983;11:219–28
Passage of foreign proteins across the intestinal wall of newborn rabbits. Stěpánková R, et al. **Folia Microbiol (Praha)** 1983;28(6):489–95
First–use syndrome with cuprammonium cellulose dialyzers. Ing TS, et al. **Int J Artif Organs** 1983 Sep;6(5):235–9
Anaphylaxis during hemodialysis. Hurley RM. **Int J Pediatr Nephrol** 1984 Mar;5(1):53–4
Anaphylaxis after Hymenoptera stings in three patients with urticaria pigmentosa. Müller UR, et al. **J Allergy Clin Immunol** 1983 Dec;72(6):685–9
Imported fire ant death. A documented case report. Bloom FL, et al. **J Fla Med Assoc** 1984 Feb;71(2):87–90
Food–dependent, exercise–induced anaphylaxis. Buchbinder EM, et al. **JAMA** 1983 Dec 2;250(21):2973–4
Food–dependent, exercise–induced anaphylaxis [letter] El–Dieb MR. **JAMA** 1984 Jun 22–29;251(24):3224
Exercise–induced anaphylaxis: a distinct form of physical allergy. Sheffer AL, et al. **Monogr Allergy** 1983;18:138
Alpine slide anaphylaxis [letter] Salberg DJ. **N Engl J Med** 1984 Aug 30;311(9):603–4
Alpine slide anaphylaxis. Spitalny KC, et al. **N Engl J Med** 1984 Apr 19;310(16):1034–7
Rat pulmonary artery responses to some mediators of anaphylaxis: modifications by indomethacin. Daffonchio L, et al. **Pharmacol Res Commun** 1984 Jul;16(7):679–88
Adverse transfusion reactions associated with a precipitating anti–C4 antibody of anti–Rodgers specificity. Lambin P, et al. **Vox Sang** 1984;47(3):242–9
Medium components adsorbed to mycoplasmal cells. Sugiyama T. **Yale J Biol Med** 1983 Sep–Dec;56(5–6):691–3
[Allergic reactions during anesthesia] Křiváčková L. **Rozhl Chir** 1984 Jan;63(1):11–7 (Eng. Abstr.) (Cze)
[Severe anaphylactoid accidents occurring during general anesthesia] Occelli G, et al. **Ann Fr Anesth Reanim** 1983; 2(4):300–3 (Eng. Abstr.) (Fre)
[Anaphylactic shock to celery and sensitization to ragweed and mugwort. Crossed or concomitant allergy?] Déchamp C, et al. **Presse Med** 1984 Mar 31;13(14):871–4 (Eng. Abstr.) (Fre)
[Severe anaphylactoid complications after infusion of a modified gelatin fluid in balanced solution. 2 prospective studies] Blanloeil Y, et al. **Therapie** 1983 Sep–Oct; 38(5):539–46 (Eng. Abstr.) (Fre)
[A case report of anesthesia for hydatid disease complicated with anaphylactic shock] Matsui M, et al. **Masui** 1984 Feb; 33(2):194–7 (Eng. Abstr.) (Jpn)
[Cardiac arrest secondary to anaphylactic shock caused by blood transfusion] Ogino R, et al. **Masui** 1984 Mar; 33(3):302–8 (Eng. Abstr.) (Jpn)
[A case report of anaphylactoid reactions due to common ABO, Rh type blood transfusion during surgery] Omote T, et al. **Masui** 1983 Dec;32(12):1529–33 (Eng. Abstr.) (Jpn)
[Anaphylactoid reactions and acute myocardial infarction following maxillary nerve block] Tsukawaki Y, et al. **Masui** 1983 Nov;32(11):1391–6 (Eng. Abstr.) (Jpn)
[Current theories on the role of thyroid hormones in the pathomechanism of allergy] Danowski J. **Pol Tyg Lek** 1983 Oct 3;38(40):1259–62 (46 ref.) (Pol)
[Biological role of lipoxygenases] Robak J, et al. **Postepy Hig Med Dosw** 1983 Mar–Apr;37(2):177–93 (105 ref.) (Eng. Abstr.) (Pol)
[Role of the hepatic cytochrome P–450 system in the development of anaphylaxis] Kovalev IE, et al. **Patol Fiziol Eksp Ter** 1983 Jul–Aug;(4):22–5 (Eng. Abstr.) (Rus)
[Cholinergic urticaria with an anaphylactic reaction to physical stress] Mijailović B, et al. **Vojnosanit Pregl** 1984 Mar–Apr;41(2):127–9 (Scr)
[Allergic and anaphylactic shock reactions as a manifestation of hepatic hydatid disease] Marcos Sánchez F, et al. **Rev Clin Esp** 1984 Apr 15;173(1):49–51 (Eng. Abstr.) (Spa)

HISTORY

'The Lion's Mane'. Concerning the diagnostic acumen of Sherlock Holmes. Caplan RM. **Am J Dermatopathol** 1983 Dec;5(6):577–9

IMMUNOLOGY

Characterization of two strains of selectively bred guinea–pigs. 3. Homocytotropic antibodies in guinea–pig lines with high or low susceptibility to respiratory anaphylaxis. Clausen JT, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1983 Dec; 91(6):377–82
Intradermal testing after anaphylactoid reaction to anaesthetic drugs: practical aspects of performance and interpretation. Fisher M. **Anaesth Intensive Care** 1984 May; 12(2):115–20
Allergy, atopy and IgE. The predictive value of total IgE and allergic history in anaphylactic reactions during anaesthesia. Fisher MM, et al. **Anaesthesia** 1984 Mar; 39(3):213–7
Biphasic systemic anaphylactic reaction: three illustrative cases. Popa VT, et al. **Ann Allergy** 1984 Aug;53(2):151–5
Macrophages in ocular tissues of rats. Determination of their number after local anaphylaxis and other procedures. Allansmith MR, et al. **Arch Ophthalmol** 1983 Dec; 101(12):1930–4
Hypersensitivity in hemodialysis: only the tip of the iceberg. Nosé Y. **Artif Organs** 1984 Aug;8(3):268–9
Mediators of anaphylaxis. O'Flaherty JT, et al. **Clin Lab Med** 1983 Dec;3(4):619–43 (330 ref.)
Nonreaginic anaphylactic antibodies in man. Goodwin BF. **Clin Rev Allergy** 1983 Jun;1(2):249–58 (53 ref.)
Nonreaginic anaphylactic and/or blocking antibodies: conclusion. Halpern GM. **Clin Rev Allergy** 1983 Jun; 1(2):303–8
Significance of sequential changes in serum complement levels during acute anaphylactoid reactions. Fisher MM, et al. **Crit Care Med** 1984 Apr;12(4):351–3
Anaphylaxis following intranasal challenge of mice sensitized with ovalbumin. McCaskill AC, et al. **Immunology** 1984 Apr;51(4):669–77
Late–phase reactions in ocular anaphylaxis in the rat. Allansmith MR, et al. **J Allergy Clin Immunol** 1984 Jan; 73(1 Pt 1):49–55
Exercise–induced anaphylaxis. Sheffer AL, et al. **J Allergy Clin Immunol** 1984 May;73(5 Pt 2):699–703
Acute complement activation during an anaphylactoid reaction to blood transfusion and the disappearance rate of C3c and C3d from the circulation. Teisner B, et al. **J Clin Lab Immunol** 1983 Oct;12(2):63–7
Anaphylactic– and calcium–dependent generation of prostaglandin D2 (PGD2), thromboxane B2, and other cyclooxygenase products of arachidonic acid by dispersed human lung cells and relationship to histamine release. Holgate ST, et al. **J Immunol** 1984 Oct;133(4):2138–44
Histamine release in acute anaphylactic enteropathy of the rat. Lake AM, et al. **J Immunol** 1984 Sep;133(3):1529–34
In vitro and in vivo activity profile of RHC 2851: a new orally effective antiallergic agent. Khandwala A, et al. **J Immunopharmacol** 1983;5(4):311–32
Anaphylaxis to muscle relaxant drugs: cross–reactivity and molecular basis of binding of IgE antibodies detected by radioimmunoassay. Baldo BA, et al. **Mol Immunol** 1983 Dec;20(12):1393–400
Neutrophil chemotactic factor of anaphylaxis. Kay AB, et al. **Monogr Allergy** 1983;18:284–9 (21 ref.)
Complement activation and hypersensitivity reactions to dialysis membranes. Hakim RM, et al. **N Engl J Med** 1984 Oct 4;311(14):878–82
[Study of allergy to general anesthetics and muscle relaxants using the lymphoblast transformation test] Janot C, et al. **Ann Fr Anesth Reanim** 1983;2(1):39–43 (Eng. Abstr.) (Fre)
[Histamine receptors and clinical expression of some anaphylactic reactions] Braibant F, et al. **Rev Med Liege** 1984 Jun 1;39(11):504–8 (Fre)
[Anaphylactic–type reactions to althesin. Preliminary study on the role of complement] Descotes J, et al. **Therapie** 1983 Sep–Oct;38(5):535–8 (Eng. Abstr.) (Fre)
[Anaphylactic reactions in mediastinal echinococcosis] Appell RG, et al. **Immun Infekt** 1983 Mar;11(2):46–50 (Eng. Abstr.) (Ger)

METABOLISM

Characteristics of basophil histamine release by neuromuscular blocking drugs in patients with anaphylactoid reactions. Assem ES. **Agents Actions** 1984 Apr;14(3–4):435–40
Influence of GABA on anaphylactic histamine release in vitro. Zilletti L, et al. **Agents Actions** 1984 Apr; 14(3–4):478–80
Effect of inhibition of synthesis and receptor antagonism of SRS–A in cardiac anaphylaxis. Aehringhaus U, et al. **Br J Pharmacol** 1983 Sep;80(1):73–80
Effect of intestinal anaphylaxis on gut function in the rat. Perdue MH, et al. **Gastroenterology** 1984 Mar;86(3):391–7
Effect of systemic anaphylaxis on the absorption of salicylic acid from the rat small intestine. Yamamoto A, et al. **J Pharm Sci** 1984 Jan;73(1):48–52
The effects of lipoxygenase inhibitors in anaphylactic and inflammatory responses in vivo. Higgs GA. **Prostaglandins Leukotrienes Med** 1984 Jan;13(1):89–92
[Effect of traxanox sodium on SRS–A release in bronchial and peritoneal anaphylaxis] Terasawa M, et al. **Nippon Yakurigaku Zasshi** 1983 Jul;82(1):93–101 (Eng. Abstr.) (Jpn)

PATHOLOGY

Quantitative studies of argyrophilic APUD cells in airways. III. The effects of sensitization and anaphylactic shock. Marchevsky AM, et al. **Am Rev Respir Dis** 1984 Mar; 129(3):477–80
Edema test for assessing ocular anaphylaxis. Baird RS, et al. **Curr Eye Res** 1982–83;2(10):657–61
Role of mast cell mediators in pathogenesis of anaphylactic gastric ulcer. André F, et al. **Digestion** 1983;28(2):108–13
[Characteristics of the fatal outcome of drug–induced anaphylactic shock] Lopatin As, et al. **Arkh Patol** 1984; 46(4):82–6 (Eng. Abstr.) (Rus)
[Pathomorphology of lymphoid tissue at late periods after anaphylactic shock] Minnebaev MM, et al. **Biull Eksp Biol Med** 1983 Dec;96(12):93–7 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

Hemodynamic changes in human anaphylaxis. Silverman HJ, et al. **Am J Med** 1984 Aug;77(2):341–4
Hemodynamic and two–dimensional transesophageal echocardiographic analysis of an anaphylactic reaction in a human. Beaupre PN, et al. **Anesthesiology** 1984 May; 60(5):482–4
Idiopathic anaphylaxis: a clinical summary. Sonin L, et al. **Ann Intern Med** 1983 Nov;99(5):634–5
Changes in bronchial anaphylactic reactivity induced in guinea–pigs by long–term treatment with histamine H2–agents. Andersson P, et al. **Br J Pharmacol** 1984 May; 82(1):207–16
A new in vivo method for the measurement of repetitive anaphylactic responses in the guinea–pig. Bottomley KM, et al. **Br J Pharmacol** 1984 Jan;81(1):195–9
Hemodynamic mechanisms in anaphylaxis. Enjeti S, et al. **Circ Shock** 1983;11(4):297–309
Hemodynamic pattern in anaphylactic shock with cardiac arrest. Nicolas F, et al. **Crit Care Med** 1984 Feb;12(2):144–5
Proanaphylactic action of morphine is mediated through a central cholinergic mechanism. Amir S. **Eur J Pharmacol** 1983 Nov 11;95(1–2):117–9
Release and vasoconstrictor effect of leukotriene C–like immunoreactive material in the anaphylactic guinea–pig mesenteric vascular bed. Dembinska–Kieć A, et al. **Eur J Pharmacol** 1984 Jun 1;101(3–4):259–62
Investigation of leukotriene involvement in the vasopermeability response associated with guinea pig tracheal anaphylaxis: comparison with cutaneous anaphylaxis. Woodward DF, et al. **Eur J Pharmacol** 1983 Sep 16;93(1–2):9–19
The role of histamine in the physiologic alterations of IgE anaphylaxis in the rabbit. Halonen M, et al. **Immunopharmacology** 1984 Apr;7(2):77–87
Effects of tryptamine antagonists on the anaphylactic contractions of the bovine pulmonary smooth muscles. Ogunbiyi PO, et al. **J Vet Pharmacol Ther** 1984 Jun; 7(2):153–8
Changes in organ blood volumes during haemorrhagic and anaphylactic shock in rats. Takeichi S, et al.

Nippon Hoigaku Zasshi 1983 Feb;37(1):67–74
Leukotrienes and the cardiovascular system. Feuerstein G. **Prostaglandins** 1984 May;27(5):781–802 (112 ref.)
[The participation of platelets in anaphylactic shock in the rat] Damas J, et al. **Arch Int Physiol Biochim** 1983 Dec; 91(5):465–9 (Eng. Abstr.) **(Fre)**
[Coronary circulation in hemotransfusion shock] Fedorov NA, et al. **Patol Fiziol Eksp Ter** 1984 Jan–Feb;(1):27–33 (Eng. Abstr.) **(Rus)**
[Effect of atropine, hydrocortisone and propranolol on cardiorespiratory changes caused by allergic bronchoconstriction in rabbits] Javorka K, et al. **Bratisl Lek Listy** 1983 Sep;80(3):304–15 (Eng. Abstr.) **(Slo)**

PREVENTION & CONTROL

Diagnostic and predictive test procedures in patients with life-threatening anaphylactic and anaphylactoid drug reactions. Assem ES. **Allergol Immunopathol (Madr)** 1984 Jan–Feb;12(1):61–70 (31 ref.)
Antianaphylactic effect of naloxone in mice is mediated by increased central sympathetic outflow to sympathetic nerve endings and adrenal medulla. Amir S. **Brain Res** 1983 Sep 5;274(1):180–3
Rapid desensitisation for desferrioxamine anaphylactoid reaction [letter] Bousquet J, et al. **Lancet** 1983 Oct 8; 2(8354):859–60
Anaphylaxis: managing and preventing a true emergency. Gaunder BN, et al. **Nurse Pract** 1984 May;9(5):17–20
Stinging insect hypersensitivity. Safety and efficacy of venom immunotherapy. Golub JR, et al. **NY State J Med** 1984 Feb;84(2):66–8
Anaphylaxis in guinea pigs challenged with antivenin preparations. Jeter WS, et al. **Toxicon** 1983;21(5):729–30
[Prevention of anaphylactoid reactions using intramuscular promethazine and cimetidine. Studies of a histamine infusion model] Tryba M, et al. **Anaesthesist** 1984 May; 33(5):218–23 (Eng. Abstr.) **(Ger)**
[Prevention of dextran anaphylaxis using hapten dextran (letter)] Comberg HU. **Dtsch Med Wochenschr** 1984 Jan 6;109(1): 36–8 **(Ger)**
[Prevention and therapy of reactions to contrast media (letter)] Praetorius F. **Dtsch Med Wochenschr** 1984 May 11;109(19):766 **(Ger)**

PSYCHOLOGY

Opiate antagonists reverse the hypoactivity associated with systemic anaphylaxis in mice. Amir S. **Pharmacol Biochem Behav** 1984 Mar;20(3):483–5

THERAPY

Desensitisation as a means of preventing untoward reactions to ionic contrast media. Agardh CD, et al. **Acta Radiol [Diagn] (Stockh)** 1983;24(3):235–9
Military antishock trousers in a patient with adrenergic-resistant anaphylaxis. Bickell WH, et al. **Ann Emerg Med** 1984 Mar;13(3):189–90
Bee-sting anaphylaxis: the use of medical antishock trousers. Oertel T, et al. **Ann Emerg Med** 1984 Jun;13(6):459–61
Management of acute anaphylaxis. Ford RM. **Aust Fam Physician** 1983 Nov;12(11):815, 817–9
Outpatient allergic emergencies. Banov C. **Cutis** 1984 Feb; 33(2):146, 153
The therapy of anaphylactic shock. Fath JJ, et al. **Drug Intell Clin Pharm** 1984 Jan;18(1):14–21 (59 ref.)
Successful immunotherapy for Triatoma protracta-induced anaphylaxis. Rohr AS, et al. **J Allergy Clin Immunol** 1984 Mar;73(3):369–75
Successful long-term immunotherapy for human seminal plasma anaphylaxis. Friedman SA, et al. **JAMA** 1984 May 25;251(20):2684–7
Anaphylaxis in pregnancy. Entman SS, et al. **South Med J** 1984 Mar;77(3):402

VETERINARY

Nonreaginic anaphylactic antibodies in animals. Binaghi RA. **Clin Rev Allergy** 1983 Jun;1(2):237–47 (44 ref.)
The antigenic release of histamine and SRS-A from sheep and calf lungs. Autenried P, et al. **Schweiz Arch Tierheilkd** 1984 Jun;126(6):293–303

ANAPHYLAXIS, PASSIVE CUTANEOUS see **PASSIVE CUTANEOUS ANAPHYLAXIS**

ANAPLASIA

ETIOLOGY

Condyloma acuminatum in Rochester, Minn, 1950–1978. II. Anaplasias and unfavorable outcomes. Chuang TY, et al. **Arch Dermatol** 1984 Apr;120(4):476–83

ANAPLASMA

GROWTH & DEVELOPMENT

Development of colonies of Anaplasma marginale in the gut of incubated Dermacentor andersoni. Kocan KM, et al. **Am J Vet Res** 1983 Sep;44(9):1617–20

IMMUNOLOGY

Response of cattle upon reexposure to Anaplasma marginale after elimination of chronic carrier infections. Magonigle RA, et al. **Am J Vet Res** 1984 Apr;45(4):695–7
Common and isolate-restricted antigens of Anaplasma marginale detected with monoclonal antibodies. McGuire TC, et al. **Infect Immun** 1984 Sep;45(3):697–700
Immune serum against Anaplasma marginale initial bodies neutralizes infectivity for cattle. Palmer GH, et al. **J Immunol** 1984 Aug;133(2):1010–5
Serologic comparisons of 4 Anaplasma isolates as measured by the complement-fixation test. Kuttler KL, et al. **Vet Microbiol** 1984 Apr;9(2):181–6
Prevalence of antibodies to Anaplasma marginale in cattle from various African biotopes in central Morocco, north Cameroon and southeastern Zaïre. Verhulst A, et al. **Zentralbl Veterinarmed [B]** 1983 Aug;30(7):537–40

ISOLATION & PURIFICATION

Demonstration of colonies of Anaplasma marginale in the midgut of Rhipicephalus simus. Potgieter FT, et al. **Am J Vet Res** 1983 Dec;44(12):2256–61
Anaplasma infections in wild and domestic ruminants: a review. Kuttler KL. **J Wildl Dis** 1984 Jan;20(1):12–20
The use of tick transmission by Boophilus microplus to isolate pure strains of Babesia bovis, Babesia bigemina and Anaplasma marginale from cattle with mixed infections. Dalgliesh RJ, et al. **Vet Parasitol** 1983 Nov;13(4):317–23
Studies on ticks of veterinary importance in Nigeria. XI. Observations on the biology of ticks detached from the red-flanked duiker (Cephamophys rufulatus) and parasites encountered in their blood. Dipeolu OO, et al. **Vet Parasitol** 1984 Mar;14(2):87–93
[Distribution of Piroplasma and Anaplasma marginale in calves in Burundi] Schlichting H, et al. **Ann Soc Belg Med Trop** 1983 Sep;63(3):259–66 (Eng. Abstr.) **(Fre)**

ANAPLASMATACEAE INFECTIONS

VETERINARY

Hemobartonellosis in squirrel monkeys (Saimiri sciureus) in a domestic breeding colony: case report and preliminary study. Adams MR, et al. **Lab Anim Sci** 1984 Feb;34(1):82–5
Pathogenicity of Eperythrozoon suis alone and when mixed with Babesia trautmanni in experimentally-infected pigs. Dipeolu OO, et al. **Vet Parasitol** 1983 Sep;13(2):127–34

ANAPLASMOSIS

BLOOD

The effect of Anaplasma marginale on the glycolytic pathway in bovine erythrocytes. Mandelblum F, et al. **Comp Biochem Physiol [B]** 1984;78(4):851–4

CONGENITAL

Neonatal anaplasmosis in a calf. Norton JH, et al. **Aust Vet J** 1983 Nov;60(11):348

IMMUNOLOGY

Immune responses of calves antigenically stimulated and challenge exposed with Anaplasma marginale during tick infestation or treatment with dexamethasone. Eckblad WP, et al. **Am J Vet Res** 1984 Mar;45(3):431–6
Response of cattle upon reexposure to Anaplasma marginale after elimination of chronic carrier infections. Magonigle RA, et al. **Am J Vet Res** 1984 Apr;45(4):695–7
Bovine anaplasmosis: in utero transmission and the immunologic significance of ingested colostral antibodies. Zaugg JL, et al. **Am J Vet Res** 1984 Mar;45(3):440–3
Immune serum against Anaplasma marginale initial bodies neutralizes infectivity for cattle. Palmer GH, et al. **J Immunol** 1984 Aug;133(2):1010–5
Serologic comparisons of 4 Anaplasma isolates as measured by the complement-fixation test. Kuttler KL, et al. **Vet Microbiol** 1984 Apr;9(2):181–6

OCCURRENCE

Anaplasma infections in wild and domestic ruminants: a review. Kuttler KL. **J Wildl Dis** 1984 Jan;20(1):12–20

TRANSMISSION

Demonstration of colonies of Anaplasma marginale in the midgut of Rhipicephalus simus. Potgieter FT, et al. **Am J Vet Res** 1983 Dec;44(12):2256–61
Observations on anaplasmosis following field exposure to heavy and light infestations with Boophilus microplus. Corrier DE, et al. **Vet Parasitol** 1983 Sep;13(2):187–90

VETERINARY

Comparison of blood smear and indirect fluorescent antibody techniques in detection of haemoparasite infections in trade cattle in Nigeria. Akinboade OA, et al. **Vet Parasitol** 1984 Mar;14(2):95–104
Serological evidence of exposure to Anaplasma marginale in Nigerian one-humped camels. Ajayi SA, et al. **Vet Rec** 1984 May 12;114(19):478

ANATOMIC MODELS see **MODELS, ANATOMIC**

ANATOMY

see related **DISSECTION**

The Seventh European Anatomical Congress. Innsbruck, September 3–7, 1984. Abstracts. **Acta Anat (Basel)** 1984; 120(1–2):1–92 **(Eng, Fre, Ger)**
Body language. A look at lay anatomic terms in western cultures. Dirckx JH. **Am J Dermatopathol** 1984 Apr; 6(2):167–71
[Cooperation of Prague anatomists with orthopedists and traumatologists] Doskočil M. **Acta Chir Orthop Traumatol Cech** 1983 Oct;50(5):391–5 (Eng. Abstr.) **(Cze)**
[List of members of the Association of Anatomists] **Bull Assoc Anat (Nancy)** 1983 Mar;67(196):35–64 **(Fre)**
[Abstracts of the 88th annual meeting of the Japanese Association of Anatomists] **Kaibogaku Zasshi** 1983 Aug; 58(4):221–477 **(Jpn)**
[Inaccuracies of anatomical terms in monographs, textbooks and clinical periodicals] Sierociński W, et al. **Pol Tyg Lek** 1984 Feb 27;39(9):309–11 **(Pol)**

EDUCATION

Formaldehyde vapor exposures in anatomy laboratories. Skisak CM. **Am Ind Hyg Assoc J** 1983 Dec;44(12):948–50
Computer-graphics aided instruction of three-dimensional dental anatomy. Pao YC, et al. **J Dent Educ** 1984 Jun; 48(6):315–7
Cadaver radiographs [letter] Pantoja E, et al. **J Med Educ** 1984 Jun;59(6):536–7
Importance of teaching anatomy [letter] Shank MF. **JAMA** 1984 Aug 10;252(6):765–6
Environmental hazard: gross anatomy [letter] Smalky K, et al. **N Engl J Med** 1984 Feb 23;310(8):531–2
College examinations in anatomy: criticism of reports [letter] Laurie DN, et al. **Radiography** 1983 Dec;49(588):294
[Human anatomy training: a trial 'group study'] Kawano K. **Kaibogaku Zasshi** 1983 Apr;58(2):81–5 **(Jpn)**
[Role of the Scientific Society of Anatomists, Histologists and Embryologists in optimizing the academic process in morphology departments and in improving museum studies] Dunaev PV, et al. **Arkh Anat Gistol Embriol** 1984 Feb;86(2):93–5 **(Rus)**
[How we teach anatomy. My experience in Ecuador and the United States] Paltán JD. **Rev Med Panama** 1983 Sep; 8(3):228–37 (Eng. Abstr.) **(Spa)**

HISTORY

'On Bones for Beginners' by Galen of Pergamon: a translation with commentary. Goss CM, et al. **Am J Anat** 1984 Jan; 169(1):59–74
The anatomy of antiquity. Louis R. **Anat Clin** 1983; 5(3):139–40
The anatomy of the Middle Ages. Louis R. **Anat Clin** 1984; 6(1):1–2
Historical review of the study of anatomy. Jayatilaka AD. **Cent Afr J Med** 1983 Jul;29(7):147–53
Aristotle's 'triventricular' heart and the relevant early history of the cardiovascular system. Van Praagh R, et al. **Chest** 1983 Oct;84(4):462–8
Josef Hyrtl's Philadelphia connection. Radbill SX. **J Hist Med Allied Sci** 1984 Apr;39(2):222–4
The paradox of Rembrandt's 'Anatomy of Dr. Tulp'. Schupbach W. **Med Hist [Suppl]** 1982;(2):1–110
[Contribution of Würzburg anatomy to the development of microscopic anatomy studies (1847 Kölliker—Petersen 1940)] Hildebrand R. **Anat Anz** 1984;155(1–5):115–22 (Eng. Abstr.) **(Ger)**
[Seneca the Elder, Controversiae 10,5,17: an overlooked reference in the history of ancient anatomy] Fischer KD. **Sudhoffs Arch** 1984;68(1):110–2 **(Ger)**
[The theory of evolution and pathologic anatomy] Doerr W. **Verh Dtsch Ges Pathol** 1983;67:663–84 (Eng. Abstr.) **(Ger)**
[Anniversaries of great anatomists] Donáth T. **Orv Hetil** 1984 Feb 5;125(6):344–6 **(Hun)**
[Anatomy in the works of Aristotle] Abdullaev MS. **Arkh Anat Gistol Embriol** 1984 Mar;86(3):95–9 **(Rus)**
[Formation and development of the teaching of anatomy in Petersburg in the 18th century] Dyskin EA. **Arkh Anat Gistol Embriol** 1984 Feb;86(2):96–101 **(Rus)**
[Department of Normal Anatomy of the Dagestan Medical Institute (on its 50th anniversary)] Kurdiumov NA, et al. **Arkh Anat Gistol Embriol** 1983 Dec;85(12):90–2 **(Rus)**
[50th anniversary of the Department of Human Anatomy of the Izhevsk Medical School] Zagrebin AM. **Arkh Anat Gistol Embriol** 1984 Apr;86(4):91–5 (Eng. Abstr.) **(Rus)**
[History of anatomical museums in the Ukraine and their importance for atheistic propaganda and the popularization of the achievements of science] Bobrik II, et al. **Vrach Delo** 1984 Feb;(2):119–22 **(Rus)**

INSTRUMENTATION

Mobile embalming unit for the preparation of specimens for anatomical studies. Bisaillon A, et al. **Anat Rec** 1984 Jan; 208(1):147–8

METHODS

The preparation of human cross sections. Boushey DR, et al. **Anat Rec** 1983 Oct;207(2):379–83

Morphologic approaches to the study of skeletal muscle. Franzini-Armstrong C. **Anat Rec** 1983;Suppl 1:67–84

[Evaluation and comparison of means taking into account the variability of primary measurable objects and individual differences] Potapova IG, et al. **Arkh Anat Gistol Embriol** 1983 Sep;85(9):86–92 (4 ref.) **(Rus)**

STANDARDS

[Apropos of the International Anatomic Nomenclature for the middle ear. Remarks and proposals] Guerrier Y. **Acta Otorhinolaryngol Ital** 1984 Mar–Apr;4(2):171–4 (Eng. Abstr.) **(Fre)**

ANATOMY, ARTISTIC

HISTORY

An early hand–wrist atlas and its implications for secular change in bone age. Himes JH. **Ann Hum Biol** 1984 Jan–Feb;11(1):71–5

[The first 'x-ray eye' – a study of the anatomical pictures of Leonardo da Vinci] Axdorph S. **Lakartidningen** 1983 Dec 21;80(51):5005–8 **(Swe)**

ANATOMY, COMPARATIVE

METHODS

Homology and causes. Van Valen LM. **J Morphol** 1982 Sep; 173(3):305–12

Determination of relative size: the 'criterion of subtraction' problem in allometry. Smith RJ. **J Theor Biol** 1984 May 7;108(1):131–42

ANATOMY, VETERINARY

EDUCATION

Preparation of veterinary gross anatomy specimens: a method that allows storage at room temperature for four years. Kinnamon KE, et al. **J Am Vet Med Assoc** 1984 Mar 15; 184(6):704–5

ANATOXINS see TOXOIDS

ANAVAR see OXANDROLONE

ANCILLARY SERVICES, HOSPITAL see under HOSPITAL ADMINISTRATION

ANCROD

ADMINISTRATION & DOSAGE

Controlled trial of ancrod in ischemic stroke. Hossmann V, et al. **Arch Neurol** 1983 Dec;40(13):803–8

ADVERSE EFFECTS

Retrospective study on complications and adverse effects of treatment with thrombin-like enzymes—a multicentre trial. Latallo ZS. **Thromb Haemost** 1983 Aug 30;50(2):604–9

THERAPEUTIC USE

Ancrod in systemic lupus erythematosus with thrombosis. Clinical and fibrinolysis effects. Dosekun AK, et al. **Arch Intern Med** 1984 Jan;144(1):37–42

[Therapeutic defibrinogenation as conservative therapy of peripheral arterial occlusive disease. A critical analysis] Ernst E. **MMW** 1983 Sep 16;125(37):796–8 (Eng. Abstr.) **(Ger)**

ANCYLOSTOMA

ANALYSIS

The anticoagulant effects of the hookworm, ancylostoma ceylanicum: observations on human and dog blood in vitro and infected dogs in vivo. Carroll SM, et al. **Thromb Haemost** 1984 Apr 30;51(2):222–7

ANATOMY & HISTOLOGY

[Measurement of the hookworm from infants with ancylostomiasis] Wu ZX. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1984;2(1):51 **(Chi)**

DRUG EFFECTS

Persistent migration of Ancylostoma duodenale larvae in human infection. Wang MP, et al. **Chin Med J [Engl]** 1984 Feb;97(2):147–9

GROWTH & DEVELOPMENT

Ancylostoma larva in a muscle fiber of man following cutaneous larva migrans Little MD, et al. **Am J Trop Med Hyg** 1983 Nov;32(6):1285–8

IMMUNOLOGY

Pattern of immune response in recipients after transfer of mesenteric lymph node cells sensitized with low and high doses of Ancylostoma caninum. Vardhani VV, et al. **Folia Parasitol (Praha)** 1983;30(3):285–8

PATHOGENICITY

Blood sucking activities of hookworms. Routes and quantities of blood loss in Ancylostoma caninum, A duodenale and A ceylanicum infections. Wang ZY, et al. **Chin Med J [Engl]** 1983 Apr;96(4):281–6

PHYSIOLOGY

Studies on infectivity, longevity and fecundity of Ancylostoma ceylanicum in golden hamsters. Visen PK, et al. **J Helminthol** 1984 Jun;58(2):159–63

Infections with a Malaysian dog strain of Ancylostoma ceylanicum in outbred, inbred and immunocompromised mice. Carroll SM, et al. **Parasitology** 1983 Oct;87 (Pt 2):229–38

Investigation of the haemolytic effects of Ancylostoma ceylanicum: observations on infected dogs in vivo and human and dog blood in vitro. Carroll SM, et al. **Southeast Asian J Trop Med Public Health** 1984 Mar; 15(1):129–34

[Migration and reinfectivity of Ancylostoma duodenale larva in experimentally infected Meriones unguiculatus] Zhang XR. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1983 Nov; 17(6):347–8 (Eng. Abstr.) **(Chi)**

ULTRASTRUCTURE

Endotube-brush border complexes dissected from the intestines of Haemonchus contortus and Ancylostoma caninum. Munn EA, et al. **Parasitology** 1983 Aug;87 (Pt 1):129–37

ANCYLOSTOMA AMERICANA see NECATOR

ANCYLOSTOMIASIS

Parasitological, hematologic, and immunologic responses in acute and chronic infections of dogs with Ancylostoma ceylanicum: a model of human hookworm infection. Carroll SM, et al. **J Infect Dis** 1984 Aug;150(2):284–94

Direct transfer of adult hookworms (Ancylostoma duodenale) from dog to child for therapeutic purposes. Walterspiel JN, et al. **J Parasitol** 1984 Apr;70(2):217–9

BLOOD

Ancylostoma caninum: a report on the peripheral eosinophilia in naive and immunized Swiss albino mice. Kolhe NP, et al. **Folia Parasitol (Praha)** 1983;30(4):345–9

Investigation of the haemolytic effects of Ancylostoma ceylanicum: observations on infected dogs in vivo and human and dog blood in vitro. Carroll SM, et al. **Southeast Asian J Trop Med Public Health** 1984 Mar; 15(1):129–34

The anticoagulant effects of the hookworm, ancylostoma ceylanicum: observations on human and dog blood in vitro and infected dogs in vivo. Carroll SM, et al. **Thromb Haemost** 1984 Apr 30;51(2):222–7

COMPLICATIONS

Correlation between density of infection and blood picture in ancylostomiasis. Rifaat MA, et al. **J Egypt Soc Parasitol** 1984 Jun;14(1):81–4

Hookworm anaemia in an infant of two and half months. Chaudhary AK, et al. **J Indian Med Assoc** 1984 Jan;82(1):25

Establishment of Ancylostoma ceylanicum adult infection in Plasmodium berghei-infected albino mice(Mus musculus) [letter] Datta AK. **Trans R Soc Trop Med Hyg** 1984; 78(3):415–6

DRUG THERAPY

Treatment of ancylostomiasis and ascariasis with Albendazole. Bassily S, et al. **Ann Trop Med Parasitol** 1984 Feb;78(1):81–2

Persistent migration of Ancylostoma duodenale larvae in human infection. Wang MP, et al. **Chin Med J [Engl]** 1984 Feb;97(2):147–9

[Treatment of ancylostomiasis, ascaridiasis and trichocephaliasis with albendazole or mebendazole] Amato Neto V, et al. **Rev Inst Med Trop Sao Paulo** 1983 Nov–Dec; 25(6):294–9 (Eng. Abstr.) **(Por)**

ENZYMOLOGY

Pulmonary superoxide dismutase activity in the mouse infected with Ancylostoma caninum larvae. Kulkarni AB, et al. **J Helminthol** 1983 Sep;57(3):237–9

HISTORY

Ancylostoma duodenale and the Saint Gothard anaemia. Peduzzi R, et al. **Br Med J [Clin Res]** 1983 Dec 24–31; 287(6409):1942–5

IMMUNOLOGY

Rapid expulsion of Ancylostoma caninum larvae due to previous infection with Hymenolepis nana deshelled eggs. Lakshmi PN, et al. **J Hyg Epidemiol Microbiol Immunol** 1984;28(1):99–102

OCCURRENCE

The distribution of Necator americanus and Ancylostoma duodenale in school populations, Gojam and Gondar Administrative Regions. Jemaneh L, et al. **Ethiop Med J** 1984 Apr;22(2):87–92

Some epidemiological studies on Ancylostoma duodenale infection. El-Kholy SI, et al. **J Egypt Soc Parasitol** 1983 Dec;13(2):447–53

Studies on the co-occurrence of two species of human hookworm in a riverine community in Nigeria. Udonsi JK. **Tropenmed Parasitol** 1984 Mar;35(1):37–40

PARASITOLOGY

Ancylostoma larva in a muscle fiber of man following cutaneous larva migrans. Little MD, et al. **Am J Trop Med Hyg** 1983 Nov;32(6):1285–8

Infections with a Malaysian dog strain of Ancylostoma ceylanicum in outbred, inbred and immunocompromised mice. Carroll SM, et al. **Parasitology** 1983 Oct;87 (Pt 2):229–38

[Migration and reinfectivity of Ancylostoma duodenale larva in experimentally infected Meriones unguiculatus] Zhang XR. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1983 Nov; 17(6):347–8 (Eng. Abstr.) **(Chi)**

PHYSIOPATHOLOGY

Blood sucking activities of hookworms. Routes and quantities of blood loss in Ancylostoma caninum, A duodenale and A ceylanicum infections. Wang ZY, et al. **Chin Med J [Engl]** 1983 Apr;96(4):281–6

PREVENTION & CONTROL

[Results of ancylostomiasis control and the prospects for its eradication in the Azerbaijan SSR] Tagi-zade TA, et al. **Med Parazitol (Mosk)** 1983 Jul–Aug;(4):65–8 (Eng. Abstr.) **(Rus)**

TRANSMISSION

Paratenesis in Ancylostoma duodenale suggests possible meat-borne human infection. Schad GA, et al. **Trans R Soc Trop Med Hyg** 1984;78(2):203–4

VETERINARY

Studies on infectivity, longevity and fecundity of Ancylostoma ceylanicum in golden hamsters. Visen PK, et al. **J Helminthol** 1984 Jun;58(2):159–63

Muscular weakness in a dog associated with severe roundworm infestation. Van Heerden J. **J S Afr Vet Assoc** 1983 Jun;54(2):133–4

ANDROGEN ANALOGS see ANDROGENS, SYNTHETIC

ANDROGEN ANTAGONISTS

Sexual maturation in male mice treated with cyproterone acetate from birth to puberty. Jean-Faucher C, et al. **J Endocrinol** 1984 Jul;102(1):103–7

Progestins can mimic, inhibit and potentiate the actions of androgens. Bardin CW, et al. **Pharmacol Ther** 1983; 23(3):443–59 (51 ref.)

Androgen antagonists in androgen target tissues. Tindall DJ, et al. **Pharmacol Ther** 1984;24(3):367–400 (177 ref.)

[Fundamental and clinical study of the anti-prostatic effect of allylestrenol] Yamanaka H, et al. **Hinyokika Kiyo** 1983 Sep;29(9):1133–45 (Eng. Abstr.) **(Jpn)**

[Synthesis and antiandrogenic activity of 17-deoxysteroids] Masuoka Y, et al. **Yakugaku Zasshi** 1983 Oct; 103(10):1046–53 (Eng. Abstr.) **(Jpn)**

ADMINISTRATION & DOSAGE

Cyproterone acetate and the treatment of hirsutism. Fraser IS, et al. **Aust NZ J Obstet Gynaecol** 1983 May;23(2):93–8

Treatment of severe hirsutism resulting from hyperandrogenism with the reverse sequential cyproterone acetate regimen. Garner PR, et al. **J Reprod Med** 1984 Apr;29(4):232–6

Simultaneous administration of pure antiandrogens, a combination necessary for the use of luteinizing hormone-releasing hormone agonists in the treatment of prostate cancer. Labrie F, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(12):3861–3

Preliminary results on the clinical efficacy and safety of androgen inhibition by an LHRH agonist alone or combined with an antiandrogen in the treatment of prostatic carcinoma. Faure N, et al. **Prostate** 1983; 4(6):601–24

New approach in the treatment of prostate cancer: complete instead of partial withdrawal of androgens. Labrie F, et al. **Prostate** 1983;4(6):579–94

BLOOD

Determination of 17 beta-hydroxy-1 alpha-methyl-17 alpha-propyl-5-alpha-androstan-3-one in plasma by gas chromatography-mass spectrometry with single-ion detection. Krause W, et al. **J Pharm Sci** 1984 Apr; 73(4):563–4

CHEMICAL SYNTHESIS

[Alternative synthesis of 16beta-ethyl-17beta-hydroxyester-4-en-3-one (oxendolone)] Goto G, et al. **Yakugaku Zasshi** 1983 Oct; 103(10):1042-5 (Eng. Abstr.) **(Jpn)**

METABOLISM

Androgenic action of progestins and possible synandrogenic properties of antiandrogens used in oral contraceptives. Spona J. **Gynecol Obstet Invest** 1984;17(2):66-72

PHARMACODYNAMICS

Hydroxysteroid dehydrogenases in the Leydig cells during the perinatal phase in the rats treated with cyproterone acetate. Haider SG, et al. **Acta Histochem [Suppl] (Jena)** 1984;29:179-82

Morphometric evaluation of local anti-androgenic activity on the rat sebaceous gland. Secchi J, et al. **Br J Dermatol** 1984 Jul;111 Suppl 27:178-9

Effects of cyproterone acetate with combination of testosterone enanthate on seminal characteristics, androgenicity and clinical chemistry in langur monkey. Lohiya NK, et al. **Contraception** 1983 Dec;28(6):575-86

Androgen dependence of protein N-glycosylation in rat epididymis. Iusem ND, et al. **Endocrinology** 1984 Apr; 114(4):1448-53

Cyproterone acetate prevents translocation of the androgen receptor in the rat prostate. Brinkmann AO, et al. **Mol Cell Endocrinol** 1983 Oct;32(2-3):117-29

The pure antiandrogen RU 23908 (Anandron), a candidate of choice for the combined antihormonal treatment of prostatic cancer: a review. Raynaud JP, et al. **Prostate** 1984; 5(3):299-311 (30 ref.)

Biochemical difference between ventral and dorsolateral prostates: effects of castration and administration of the antiandrogen 16 beta-ethyl-17 beta-hydroxy-4-oestren-3-one on SDS-electrophoretic patterns of subcellular proteins from rat prostates. Wada F, et al. **Prostate** 1984;5(3):285-97

[4,6-estradien-3,17-dione--inhibitor of testosterone biosynthesis] Zaporowska E, et al. **Endokrynol Pol** 1983; 34(3):153-68 (Eng. Abstr.) **(Pol)**

[Differences in the mode of action of antiandrogens and estrogens on the sebaceous glands in man] Reiner Z. **Lijec Vjesn** 1984 Jun;106(6):249-54 (87 ref.) (Eng. Abstr.) **(Scr)**

THERAPEUTIC USE

Prostate cancer treatment [news] **Am Fam Physician** 1983 Dec;28(6):237-41

The hormonal treatment of sexual offenders. Bradford JM. **Bull Am Acad Psychiatry Law** 1983;11(2):159-69 (59 ref.)

Effective medical treatment of common baldness in women. Mortimer CH, et al. **Clin Exp Dermatol** 1984 Jul; 9(4):342-50

A placebo-controlled trial of the antiandrogen cyproterone acetate in deviant hypersexuality. Cooper AJ. **Compr Psychiatry** 1981 Sep-Oct;22(5):458-65

A new approach in the hormonal treatment of prostate cancer: complete instead of partial blockade of androgens. Labrie F. **Int J Androl** 1984 Feb;7(1):1-4

Inhibition of basal and adrenocorticotropin-stimulated plasma levels of adrenal androgens after treatment with an antiandrogen in castrated patients with prostatic cancer. Bélanger A, et al. **J Clin Endocrinol Metab** 1984 Sep; 59(3):422-6

Tissue dihydrotestosterone levels and clinical response to hormonal therapy in patients with advanced prostate cancer. Geller J, et al. **J Clin Endocrinol Metab** 1984 Jan; 58(1):36-40

Androgen metabolism in hirsute patients treated with cyproterone acetate. Mowszowicz I, et al. **J Steroid Biochem** 1984 Mar;20(3):757-61

Cyclic cyproterone/ethinyloestradiol in acne [letter] Bye P. **Lancet** 1983 Oct 15;2(8355):910-1

Cyproterone acetate in treatment of post-orchidectomy hot flushes. Double-blind cross-over trial. Eaton AC, et al. **Lancet** 1983 Dec 10;2(8363):1336-7

Cyclic cyproterone/ethinyloestradiol for acne [letter] Greenwood R, et al. **Lancet** 1983 Oct 1;2(8353):796

Cyproterone and post-orchidectomy flushes [letter] Magill PJ, et al. **Lancet** 1984 Jan 21;1(8369):161

The cyproteronacetat treatment of sexual offenders. Berner W, et al. **Neurosci Biobehav Rev** 1983 Fall;7(3):441-3

Comparison of various hormonal therapies for prostatic carcinoma. Geller J, et al. **Semin Oncol** 1983 Dec;10(4 Suppl 4):34-41

[Diane] Hansted B, et al. **Ugeskr Laeger** 1983 Aug 1; 145(31):2391-2 **(Dan)**

[Cyproterone acetate] Bercovici JP. **Ann Endocrinol (Paris)** 1983;44(6):385 **(Fre)**

[Cyproterone acetate. 15 cases of hirsutism treated for 1 year] Houdent C, et al. **Ann Endocrinol (Paris)** 1983; 44(6):397-401 (Eng. Abstr.) **(Fre)**

[The mechanism of action of cyproterone acetate in the treatment of hirsutism] Rigaud C, et al. **Ann Endocrinol (Paris)** 1983;44(6):387-92 (Eng. Abstr.) **(Fre)**

[New approach in the treatment of prostatic cancer: combined use of a LHRH agonist and an androgen antagonist] Labrie F, et al. **J Pharmacol** 1983;14 Suppl 3:117-35 (33 ref.) (Eng. Abstr.) **(Fre)**

[Treatment of sex offenses with antiandrogens] Kockott G. **Psychiatr Prax** 1983 Sep;10(5):158-64 (Eng. Abstr.) **(Ger)**

TOXICITY

Effects of the antiandrogen, cyproterone acetate, on the induction of papillomas, DNA synthesis and ornithine decarboxylase activity in mouse skin. Davidson KA, et al. **Carcinogenesis** 1984 May;5(5):609-14

[Effect of antiandrogen cyproterone acetate on pregnant white laboratory mice] Heisler C. **Zentralbl Veterinarmed [A]** 1983 Nov;30(9):694-7 (Eng. Abstr.) **(Ger)**

ANDROGEN BINDING PROTEINS see under **CARRIER PROTEINS**

ANDROGENS

Investigation of putative androgen-like activity of alpha 2u-globulin in castrated and estrogen-treated male rats. Ekstrom RC, et al. **Proc Soc Exp Biol Med** 1984 Apr; 175(4):491-6

[Complex treatment of prostate cancer patients] Sviridova TV, et al. **Urol Nefrol (Mosk)** 1984 Mar-Apr;(2):9-13 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Effects of parenteral administration of estrogen and androgen on plasma hormone levels and hot flushes in the surgical menopause. Sherwin BB, et al. **Am J Obstet Gynecol** 1984 Mar 1;148(5):552-7

Studies on the reproductive function in the male rat following combined administration of progestin and androgen. Sharma SK, et al. **Int J Fertil** 1983;28(4):225-30

ADVERSE EFFECTS

Androgen use by athletes: a possible cancer risk [letter] Noble RL. **Can Med Assoc J** 1984 Mar 1;130(5):549-50

Virilization syndrome in a young woman due to an androgen-secreting adenoma. Faggiano M, et al. **J Endocrinol Invest** 1984 Feb;7(1):41-5

High-density-lipoprotein cholesterol in bodybuilders v powerlifters. Negative effects of androgen use. Hurley BF, et al. **JAMA** 1984 Jul 27;252(4):507-13

ANALYSIS

Cottonseed flour effects on androgen testicular content and serum levels in rats. Herrera J, et al. **Arch Androl** 1983 Oct;11(2):161-5

Classification of human breast cysts according to electrolyte and androgen conjugate composition. Miller WR, et al. **Clin Oncol** 1983 Sep;9(3):227-32

Peritoneal fluid and serum steroids in infertility patients. Lesorgen PR, et al. **Fertil Steril** 1984 Aug;42(2):237-42

Androgen concentrations in epithelial and stromal cell nuclei of human benign prostatic hypertrophic tissues. Lahtonen R, et al. **J Endocrinol** 1983 Dec;99(3):409-14

Measurement of endogenous subcellular concentration of steroids in tissue. van Landeghem AA, et al. **J Steroid Biochem** 1984 Feb;20(2):639-44

[Gm/Km determinations in androgen secretions from the testis, epididymis, seminal vesicle and prostate] Mittmeyer HJ, et al. **Beitr Gerichtl Med** 1984;42:265-71 (Eng. Abstr.) **(Ger)**

BIOSYNTHESIS

Modifications in the testis steroidogenic pathways in rats fed with cottonseed flour. Herrera J, et al. **Arch Androl** 1984; 12(1):53-8

Ontogeny of rodent testicular androgen production in response to isoproterenol and luteinizing hormone in vitro. Anakwe OO, et al. **Biol Reprod** 1984 Jun;30(5):1142-52

Androgen synthesis during follicular development: evidence that rat granulosa cell 17-ketosteroid reductase is independent of hormonal regulation. Bogovich K, et al. **Biol Reprod** 1984 Aug;31(1):122-31

Effects of forskolin on androgen production by mouse interstitial cells in vitro. Interactions with luteinizing hormone and isoproterenol. Moger WH, et al. **Biol Reprod** 1983 Nov;29(4):932-7

Production of androgens and estrogens by tubular adenomas which developed in ovaries of mutant mice of Sl/Slt genotype. Terada N, et al. **Cancer Res** 1984 May; 44(5):1827-30

Comparison of androgen biosynthesis in isolated leydig cells from rat and mouse testis: incubation and superfusion studies. Kühn-Velten N, et al. **Cell Biochem Funct** 1984 Jan;2(1):26-32

Evidence that ADP-ribosylation is not necessary for luteinizing hormone stimulation of Leydig cell steroidogenesis. Moger WH. **Experientia** 1983 Dec 15; 39(12):1407-8

Testicular steroidogenesis in the camel (Camelus dromedarius) during the mating and the nonmating seasons. Bedrak E, et al. **Gen Comp Endocrinol** 1983 Nov; 52(2):255-64

The dynamics of the steroidogenic response of perfused Xenopus testis explants to gonadotropins. Boujard D, et al. **Gen Comp Endocrinol** 1983 Sep;51(3):406-13

Effects of bromocriptine on pituitary-testicular function in the rat: possible inhibition of in vitro production of androgen by Leydig cells. Grizard G, et al. **Int J Androl** 1983 Dec;6(6):563-74

Contribution of cytochrome b5 to androgen synthesis in rat testicular microsomes. Ishii-Ohba H, et al. **J Biochem (Tokyo)** 1984 Feb;95(2):335-43

Steroidogenic enzyme activities in cultured human definitive zone adrenocortical cells: comparison with bovine adrenocortical cells and resultant differences in adrenal androgen synthesis. Hornsby PJ, et al. **J Clin Endocrinol Metab** 1984 Jan;58(1):121-7

Hormonal regulation of androgen production by the Leydig cell. Dufau ML, et al. **J Steroid Biochem** 1984 Jan; 20(1):161-73 (59 ref.)

Formation of androgen conjugates by porcine granulosa cells. Lischinsky A, et al. **J Steroid Biochem** 1983 Oct; 19(4):1435-40

Conversion of androstenedione to testosterone and other androgens in guinea-pig alveolar macrophages. Milewich L, et al. **J Steroid Biochem** 1983 Nov;19(5):1611-5

Inhibition of luteinizing hormone secretion during quiescent interval of testicular androgen production in immature mice. Ogasawara Y, et al. **J Steroid Biochem** 1984 Feb; 20(2):563-7

11 beta-Hydroxy-11-ketosteroids equilibrium, a source of misinterpretation in steroid synthesis: evidence through the effects of trilostane on 11 beta-hydroxysteroid dehydrogenase in sheep and human adrenals in vitro. Touitou Y, et al. **J Steroid Biochem** 1984 Mar;20(3):763-8

Androgen and progestogen production by prepubertal rat interstitial cells: study of the effects of LHRH and its analogues and their interactions with LH. Verhoeven G, et al. **Mol Cell Endocrinol** 1984 Jan;34(1):7-16

The origin of androgen synthesis in polycystic ovary syndrome. Milewicz A, et al. **Obstet Gynecol** 1983 Nov; 62(5):601-4

Steroid metabolism by purified adult rat Leydig cells in primary culture. Browning JY, et al. **Steroids** 1982 Nov; 40(5):535-49

Ethanol-induced reductions in testicular steroidogenesis: major differences between in vitro and in vitro approaches. Cicero TJ, et al. **Steroids** 1982 Nov;40(5):561-8

[The direct effect of insulin on the ovary and the pathogenesis of the polycystic ovary syndrome] Presl J. **Cesk Gynekol** 1984 Mar;49(2):124-5 **(Cze)**

[Androgen excess in acne conglobata? (letter)] Sterry W. **Dtsch Med Wochenschr** 1983 Oct 7;108(40):1537-8 **(Ger)**

BLOOD

Plasma sex hormone-binding globulin and androgen levels in the management of hirsute patients. Cunningham SK, et al. **Acta Endocrinol (Copenh)** 1983 Nov;104(3):365-71

Influence of oestrogen in high and low doses on plasma steroid concentrations in girls with tall stature and Turner syndrome. Zachmann M, et al. **Acta Endocrinol (Copenh)** 1984 Jul;106(3):368-73

Benign premature adrenarche: clinical features and serum steroid levels. Voutilainen R, et al. **Acta Paediatr Scand** 1983 Sep;72(5):707-11

Androgens and personality in normal men and men operated for hypospadias in childhood. Berg R, et al. **Acta Psychiatr Scand** 1983 Sep;68(3):167-77

Correlations of basal oestrogens with adrenal androgens and relative weight in normal women. Ellison PT. **Ann Hum Biol** 1984 Jul-Aug;11(4):327-36

Changes in gonadotropins (LH, FSH), prolactin, androgens (testosterone, dihydrotestosterone) and estrogens (estradiol and estrone) during male pubescence. Villalpando S, et al. **Arch Invest Med (Mex)** 1983 Oct-Dec;14(4):343-9 **(Eng, Spa)**

Preliminary results of serum androgen level testing in men with rheumatoid arthritis [letter] Cutolo M, et al. **Arthritis Rheum** 1984 Aug;27(8):958-9

Importance of serum androgens chromatography on the acth stimulated adrenal steroidogenesis evaluation in hirsute women. Tafaro E, et al. **Boll Soc Ital Biol Sper** 1983 Dec 30;59(12):1877-82

Changes in circulating androgens during short term carbamazepine therapy. Connell JM, et al. **Br J Clin Pharmacol** 1984 Mar;17(3):347-51

Plasma androgens in violent and nonviolent sex offenders. Rada RT, et al. **Bull Am Acad Psychiatry Law** 1983; 11(2):149-58

Androgens and the pilosebaceous follicle in women: technology catches up with the clinician. Arundell FD. **Cleve Clin Q** 1983 Summer;50(2):55-6

Adrenal androgenic female-pattern alopecia: sex hormones and the balding woman. Kasick JM, et al. **Cleve Clin Q** 1983 Summer;50(2):111-22

Androgen levels during cyproterone acetate and ethinyl oestradiol treatment of hirsutism. Rubens R. **Clin Endocrinol (Oxf)** 1984 Mar;20(3):313-25

Androgen status in women with late onset or persistent acne vulgaris. Darley CR, et al. **Clin Exp Dermatol** 1984 Jan; 9(1):28-35

Levels of adrenal and gonadal hormones in rhesus monkeys during chronic hypokinesia. Goncharov NP, et al. **Endocrinology** 1984 Jul;115(1):129-35

Plasma dehydroepiandrosterone sulfate and other androgens

in normo- and hyperprolactinemic women with polycystic ovary disease. Teter J, et al. **Endokrynol Pol** 1983; 34(4):219-26

The effect of social isolation on androgen and corticosteroid levels in a cichlid fish (Haplochromis burtoni) and in swordtails (Xiphophorus helleri). Hannes RP, et al. **Horm Behav** 1983 Sep;17(3):292-301

Influence of long-distance swimming on serum androgens in males. Brisson GR, et al. **Horm Metab Res** 1984 Mar; 16(3):160

Plasma levels of androgens and 17 alpha-OH-progesterone as an index of the adequacy of treatment in congenital adrenal hyperplasia. Ilondo MM, et al. **Horm Res** 1983; 18(4):175-85

Inhibition of basal and adrenocorticotropin-stimulated plasma levels of adrenal androgens after treatment with an antiandrogen in castrated patients with prostatic cancer. Bélanger A, et al. **J Clin Endocrinol Metab** 1984 Sep; 59(3):422-6

Hormonal changes during puberty: V. Transient pubertal gynecomastia: abnormal androgen-estrogen ratios. Moore DC, et al. **J Clin Endocrinol Metab** 1984 Mar;58(3):492-9

Orchiectomy does not selectively increase adrenal androgen concentrations. Parker L, et al. **J Clin Endocrinol Metab** 1984 Sep;59(3):547-50

Androgen plasma levels in male diabetics. Andò S, et al. **J Endocrinol Invest** 1984 Feb;7(1):21-4

Excess circulating androgen levels in the pathogenesis of acne [letter] Drucker D, et al. **J Invest Dermatol** 1984 Jan; 82(1):112

Skeletal muscle cytosol [3H]methyltrienolone receptor binding and serum androgens: effects of hypertrophy and hormonal state. Hickson RC, et al. **J Steroid Biochem** 1983 Dec;19(6):1705-12

Ovarian and adrenal vein steroids in healthy women with ovulatory cycles--selective catheterization findings. Moltz L, et al. **J Steroid Biochem** 1984 Apr;20(4A):901-5

Dissociation between plasma adrenal androgens and cortisol in Cushing's disease and ectopic ACTH-producing tumour: relation to adrenarche. Hauffa BP, et al. **Lancet** 1984 Jun 23;1(8391):1373-6

Ovarian and peripheral plasma levels of progestogens, androgens and oestrogens in post-menopausal women. Lucisano A, et al. **Maturitas** 1984 Jul;6(1):45-53

Age, environmental factors and prostatic cancer. Hill P, et al. **Med Hypotheses** 1984 May;14(1):29-39

Acute effects of marathon running on levels of serum lipoproteins and androgenic hormones in healthy males. Kuusi T, et al. **Metabolism** 1984 Jun;33(6):527-31

Variable clinical and hormonal manifestations of hyperandrogenemia. McKenna TJ, et al. **Metabolism** 1984 Aug;33(8):714-7

Serum levels of sex hormones in vulvar lichen sclerosus, and the effect of topical testosterone. Friedrich EG Jr, et al. **N Engl J Med** 1984 Feb 23;310(8):488-91

Circadian and seasonal rhythms of androgen content in the blood plasma of rhesus monkeys. Goncharov NP, et al. **Neurosci Behav Physiol** 1982 Nov-Dec;12(6):501-5

Effect of an oral contraceptive on adrenal and ovarian androgenic steroids. Wiebe RH, et al. **Obstet Gynecol** 1984 Jan;63(1):12-4

Developmental profile of plasma androgens in cockerels genetically selected for mating frequency. De Santo TL, et al. **Poult Sci** 1983 Nov;62(11):2249-54

The effects of benzodiazepines on hormones in women with idiopathic hirsutism. Dennerstein L, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1984;8(1):11-7

Alterations in the androgen metabolism of the female guinea-pig during pregnancy. Despres G, et al. **Steroids** 1983 Aug;42(2):137-46

[Hormone levels, celioscopy and ovarian histology in the hirsutism-anovulation syndrome] Buvat J, et al. **Presse Med** 1983 Dec 17;12(46):2919-23 (Eng. Abstr.) **(Fre)**

[Study of plasma androgens in women with autoimmune diseases] Dougados M, et al. **Rev Rhum Mal Osteoartic** 1984 Mar;51(3):145-9 (Eng. Abstr.) **(Fre)**

[Changes in plasma concentrations of adrenal androgens in patients with chronic renal insufficiency] Inaudi P, et al. **Boll Soc Ital Biol Sper** 1983 Dec 30;59(12):1861-7 (Eng. Abstr.) **(Ita)**

[Therapy of hirsutism associated with obesity using cimetidine and hypocaloric diet: evaluation of androgenic serum profile before and after the treatment] Cavaliere H, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1983 Sep-Oct; 38(5):179-83 (Eng. Abstr.) **(Por)**

[Circadian rhythms of androgen levels in the blood of male hamadryas baboons] Taranov AG, et al. **Biull Eksp Biol Med** 1984 Jan;97(1):89-91 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

Synthesis and evaluation of immobilized androgens for affinity chromatography in the purification of nuclear androgen receptor. De Larminat MA, et al. **Prostate** 1984; 5(2):123-40

7 alpha-Alkyltestosterone derivatives: synthesis and activity as androgens and as aromatase inhibitors. Solo AJ, et al. **Steroids** 1982 Dec;40(6):603-14

DEFICIENCY

Neuroendocrine predisposition for homosexuality [letter] Dörner G. **Arch Sex Behav** 1983 Dec;12(6):577-82

ISOLATION & PURIFICATION

High-pressure liquid chromatographic separation of a mixture of corticosteroids, androgens, and progestins. Huang FL, et al. **Arch Biochem Biophys** 1983 Sep; 225(2):512-7

METABOLISM

Metabolism and concentration of androgenic steroids in the abdominal skin of women with idiopathic hirsutism. Faredin I, et al. **Acta Med Hung** 1984;41(1):19-34

Metabolism and concentration of androgenic steroids in abdominal skin of hirsute women with androgenital syndrome. Tóth I, et al. **Acta Med Hung** 1984;41(1):7-18

Androgen and glucocorticoid mechanisms in exercise-induced cardiac hypertrophy. Hickson RC, et al. **Am J Physiol** 1984 Jun;246(6 Pt 2):H761-7

Testicular gonadotropin receptors, testicular testosterone, dihydrotestosterone and androstenedione in the developing bull. Sundby A, et al. **Arch Androl** 1984;12(1):59-64

Novel method of evaluating biological 19-hydroxylation and aromatization of androgens. Miyairi S, et al. **Biochem Biophys Res Commun** 1983 Dec 16;117(2):392-8

Steroid metabolism in the corpus luteum of the ferret. Kintner PJ, et al. **Biol Reprod** 1983 Dec;29(5):1121-7

Characterization of androgen binding and deoxyribonucleic acid synthesis in prostate-like structures induced in the urothelium of testicular feminized (Tfm/Y) mice. Shannon JM, et al. **Biol Reprod** 1984 Aug;31(1):175-83

Effect of gonadectomy and adrenalectomy on steroid hormone content in rat submaxillary gland. Paulo E. **Endocrinol Exp (Bratisl)** 1984 Jun;18(2):125-30

Comparative aspects of prostatic growth and androgen metabolism with aging in the dog versus the rat. Berry SJ, et al. **Endocrinology** 1984 Feb;114(2):511-20

Relative binding affinity of anabolic-androgenic steroids: comparison of the binding to the androgen receptors in skeletal muscle and in prostate, as well as to sex hormone-binding globulin. Saartok T, et al. **Endocrinology** 1984 Jun;114(6):2100-6

Evaluation of sympathoadrenal activity, adrenocortical function and androgenic status in five men during a Himalayan mountaineering expedition (ascent of Mt Pabil, 7,102 m, 23,294 ft). Guilland JC, et al. **Eur J Applied Physiol** 1984;52(2):156-62

Alloxan-induced hyperglycemia increases progestin and androgen accumulation by isolated rabbit follicles in vitro. YoungLai EV. **Experientia** 1984 Mar 15;40(3):289-91

Testicular steroid metabolism in juvenile bank voles (Clethrionomys glareolus Schreber) exposed to different photoperiods: an in vitro study. Tänkä KM, et al. **Gen Comp Endocrinol** 1983 Sep;51(3):394-400

Effect of centchroman on in vitro steroid metabolism by pre-implantation rabbit blastocysts. Singh MM, et al. **Indian J Exp Biol** 1983 Aug;21(8):428-31

Administration of constant low doses of androgens to steers by silastic implant. Suppression of gonadotropins and peripheral conversion of androgens. Kennedy RI, et al. **J Androl** 1984 Mar-Apr;5(2):87-92

Immunological probe of estrogen biosynthesis. Evidence for the 2 beta-hydroxylative pathway in aromatization of androgens. Hahn EF, et al. **J Biol Chem** 1984 Feb 10; 259(3):1689-94

Regioselectivity and stereoselectivity of androgen hydroxylations catalyzed by cytochrome P-450 isozymes purified from phenobarbital-induced rat liver. Waxman DJ, et al. **J Biol Chem** 1983 Oct 10;258(19):11937-47

Androgen metabolism by human fetal epiphyseal cartilage and its chondrocytes in primary culture. Audi L, et al. **J Clin Endocrinol Metab** 1984 May;58(5):819-25

Aromatization by splanchnic tissue in men. Longcope C, et al. **J Clin Endocrinol Metab** 1984 Jun;58(6):1089-93

Sex differences in behavioural androgen sensitivity: possible role of androgen metabolism. Mode A, et al. **J Endocrinol** 1984 Feb;100(2):245-8

Steroid production in vitro by rat ovaries during sexual maturation. Uilenbroek JT, et al. **J Endocrinol** 1983 Dec; 99(3):469-75

Androgen metabolism by isolated hairs from women with idiopathic hirsutism is usually normal. Glickman SP, et al. **J Invest Dermatol** 1984 Jan;82(1):62-6

Sexual activity influences organ weight and androgen metabolism of rat prostate, bulbocavernosus/levator ani muscle and kidney. Braun BE, et al. **J Steroid Biochem** 1983 Dec;19(6):1763-8

Androgen binding in human fetal amnion. De Cicco Nardone F, et al. **J Steroid Biochem** 1984 Jan;20(1):495-9

Androgen metabolism in hirsute patients treated with cyproterone acetate. Mowszowicz I, et al. **J Steroid Biochem** 1984 Mar;20(3):757-61

Androgen and precursor levels in serum and testes of adult rats under basal conditions and after hCG stimulation. Punjabi U, et al. **J Steroid Biochem** 1983 Oct;19(4):1481-90

Inhibition of androgen metabolism and binding by a liposterolic extract of 'Serenoa repens B' in human foreskin fibroblasts. Sultan C, et al. **J Steroid Biochem** 1984 Jan; 20(1):515-9

Histochemical androgen binding assay in prostatic cancer. Pertschuk LP, et al. **J Urol** 1984 Jun;131(6):1096-8

Insulin stimulates androgen accumulation in incubations of human ovarian stroma and theca. Barbieri RL, et al. **Obstet Gynecol** 1984 Sep;64(3 Suppl):73S-80S

Androgen metabolism in cultured prostatic cells. Ofner P, et al. **Prog Clin Biol Res** 1984;145:363-80

[Syndromes of resistance to androgens] Kuttenn F, et al. **Ann Endocrinol (Paris)** 1983;44(5):327-31 (40 ref.) **(Fre)**

[Receptiveness to sexual steroids. Physiopathological aspects] Bercovici JP. **Rev Med Interne** 1983 Dec;4(4):335-42 (Eng. Abstr.) **(Fre)**

[Reproductive disturbances associated with hyperandrogenicity in women] Evron S, et al. **Harefuah** 1983 Jan 2;104(1):21-5 **(Heb)**

[Physiological and biochemical aspects of metabolism of steroid hormones in the central nervous system] Szukalski B. **Acta Physiol Pol** 1983;34 Suppl 25:79-103 **(Pol)**

[Androgen binding by skeletal muscle nuclei] Stepanov MG, et al. **Biull Eksp Biol Med** 1984 May;97(5):606-8 (Eng. Abstr.) **(Rus)**

[Estrogen, androgen and gonadotropin levels in women with encephalo-ophthalmopathies pathogenetically related to thyrotoxicosis] Bezverkhaia TP, et al. **Probl Endokrinol (Mosk)** 1984 Jan-Feb;30(1):12-6 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Changes of an androgen-dependent nuclear protein during functional differentiation and by dedifferentiation of the dorsolateral prostate of rats. Matuo Y, et al. **Biochem Biophys Res Commun** 1984 Jan 30;118(2):467-73

Androgen stimulated elevation in androgen receptor levels is inhibited by the synthetic glucocorticoid triamcinolone acetonide. Syms AJ, et al. **Biochem Biophys Res Commun** 1983 Nov 15;116(3):1020-5

Detection of early changes in androgen-induced mouse renal beta-glucuronidase messenger ribonucleic acid using cloned complementary deoxyribonucleic acid. Catterall JF, et al. **Biochemistry** 1983 Dec 20;22(26):6049-53

Deciduoma formation in persistent estrous rats produced by neonatal androgenization. Ohta Y. **Biol Reprod** 1983 Aug; 29(1):93-8

Androgenic repression of hexobarbitone metabolism and action in Crl:CD-1 (ICR)BR mice. Shapiro BH, et al. **Br J Pharmacol** 1984 Jan;81(1):49-54

Direct mitogenic effects of insulin, epidermal growth factor, glucocorticoid, cholera toxin, unknown pituitary factors and possibly prolactin, but not androgen, on normal rat prostate epithelial cells in serum-free, primary cell culture. McKeehan WL, et al. **Cancer Res** 1984 May; 44(5):1998-2010

Accumulation of glycoprotein gonadotropin in the pituitary of juvenile rainbow trout in response to androgens and C21-steroids, including 11-steroids. van den Hurk R, et al. **Cell Tissue Res** 1984;235(3):635-42

In vitro effect of androgen on RNA synthesis in nuclei from androgen-independent subline of Shionogi carcinoma (CS 2). Suzuki N, et al. **Endocrinol Jpn** 1983 Oct;30(5):657-61

The effect of castration and androgen treatment on glomerular volume in mice. Broulik PD. **Exp Clin Endocrinol** 1983 Jul;82(1):115-7

The effect of androgens on DNA synthesis by fetal hemopoietic stromal cells. Martinez J, et al. **Growth** 1983 Summer;47(2):201-6

Inhibition of estrogen-activated sexual behavior by androgens. Dohanich GP, et al. **Horm Behav** 1983 Dec; 17(4):366-73

Androgen and gonadotropin effects on male mate calls in South African clawed frogs, Xenopus laevis. Wetzel DM, et al. **Horm Behav** 1983 Dec;17(4):388-404

Androgen-regulated ornithine decarboxylase mRNAs of mouse kidney. Berger FG, et al. **J Biol Chem** 1984 Jun 25;259(12):7941-6

Inhibitory effect of androgen on the synthesis of proteinase F in the male mouse submandibular gland. Hosoi K, et al. **J Endocrinol** 1984 Feb;100(2):253-62

Evaluation of androgen antagonism of estrogen effect by dihydrotestosterone. Hung TT, et al. **J Steroid Biochem** 1983 Oct;19(4):1513-20

Differential effects of androgens and glucocorticoids on regulation of androgen receptor concentrations and cell growth. Smith RG, et al. **J Steroid Biochem** 1984 Jan; 20(1):277-81

The relationship of androgen receptor levels to androgen responsiveness in the Dunning R3327 rat prostate tumor sublines. Diamond DA, et al. **J Urol** 1984 Oct;132(4):821-7

Comparison of predicted and adult heights in short boys: effect of androgen therapy. Blethen SL, et al. **Pediatr Res** 1984 May;18(5):467-9

Steroid receptors and hormone action: physiological and synthetic androgens and progestins can mediate inappropriate biological effects. Jänne OA, et al. **Pharmacol Rev** 1984 Jun;36(2 Suppl):35S-42S (45 ref.)

Progestins can mimic, inhibit and potentiate the actions of androgens. Bardin CW, et al. **Pharmacol Ther** 1983; 23(3):443-59 (51 ref.)

The estrogenic and antiestrogenic activities of androgens in female target tissues. Rochefort H, et al. **Pharmacol Ther** 1983;23(2):193-216 (135 ref.)

Radiosensitivity of mouse seminal vesicle cells which show proliferative response to androgen and estrogen. Okamoto S, et al. **Radiat Res** 1984 Jan;97(1):132-8

Androgen modulation of adrenal angiotensin receptors. Carroll JE, et al. **Science** 1984 Jun 1;224(4652):1009–11

Androgen regulation of progestin biosynthetic enzymes in FSH-treated rat granulosa cells in vitro. Welsh TH Jr, et al. **Steroids** 1982 Dec;40(6):691–700

Effect of androgenic, oestrogenic, anabolic, progestational and catatoxic steroids on the kidney, adrenal and liver mass of the rat. Lax ER, et al. **Z Versuchstierkd** 1984; 26(3):99–105

[The effect of androgen on the maintenance of pregnancy in progesterone-treated ovariectomized rats] Hosoda K, et al. **Nippon Naibunpi Gakkai Zasshi** 1984 Jan 20; 60(1):63–9 (Eng. Abstr.) **(Jpn)**

[Effects of sex hormones on antibody-dependent cell-mediated hepatocytotoxicity—experimental study] Sawai H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Aug;80(8):1617–22 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Hormonal regulation of testicular descent. Habenicht UF, et al. **Adv Anat Embryol Cell Biol** 1983;81:1–54 (98 ref.)

Differential androgenic control of prostatic cytosolic cAMP-dependent and -independent protein kinases. Tse EY, et al. **Arch Biochem Biophys** 1984 Apr;230(1):39–48

Hormonal regulation of sandbathing in male kangaroo rats (Dipodomys merriami). Lepri JJ, et al. **Behav Neural Biol** 1983 Mar;37(2):256–64

Synergy of abdominal pressure and androgens in testicular descent. Frey HL, et al. **Biol Reprod** 1983 Dec;29(5):1233–9

Effect of deprival of rete testis fluid on the morphology of efferent ductules. Gray BW, et al. **Biol Reprod** 1983 Sep; 29(2):525–34

Androgens as promoters of colon carcinogenesis. Izbicki JR, et al. **Cancer Detect Prev** 1983;6(3):355–62

Physiologic mechanisms and the hematopoietic effects of the androstanes and their derivatives. Gardner FH, et al. **Curr Top Hematol** 1983;4:123–95 (357 ref.)

The influence of androgens on insulin resistance. Shoupe D, et al. **Fertil Steril** 1984 Mar;41(3):385–8

Perineal muscles: possible androgen regulation of glucocorticoid receptor sites in the rat. DuBois DC, et al. **J Endocrinol** 1984 Aug;102(2):225–9

Effects of 17 beta-hydroxy-17 alpha-methyl-estra-4,9,11-triene-3-one (R 1881): evidence for direct involvement of androgens in the defeminization of behaviour in rats. Olsen KL. **J Endocrinol** 1983 Sep; 98(3):431–8

Hormonal influence on the secretory immune system of the eye: androgen regulation of secretory component levels in rat tears. Sullivan DA, et al. **J Immunol** 1984 Mar; 132(3):1130–5

Androgenic effects upon prostatic epithelium are mediated via trophic influences from stroma. Cunha GR. **Prog Clin Biol Res** 1984;145:81–102 (45 ref.)

Common characteristics of human and canine benign prostatic hyperplasia. Isaacs JT. **Prog Clin Biol Res** 1984; 145:217–34 (31 ref.)

Benign prostatic hyperplasia in the nonhuman primate. Lewis RW. **Prog Clin Biol Res** 1984;145:235–55 (33 ref.)

An overview of male reproductive physiology. Urry RL. **Prog Clin Biol Res** 1984;160:261–74 (18 ref.)

Acid phosphatase-producing androgen-independent subline of rat prostatic adenocarcinoma (Dunning R3327 tumor) in cell culture. Igarashi T, et al. **Prostate** 1984;5(1):113–22

The timing of androgen ablation therapy and/or chemotherapy in the treatment of prostatic cancer. Isaacs JT. **Prostate** 1984;5(1):1–17

Hormone and age-dependent regulation of alpha 2u-globulin gene expression. Roy AK, et al. **Recent Prog Horm Res** 1983;39:425–61 (67 ref.)

[Effect of neonatal androgenization on uterine sarcomagenesis induced by 1,2-dimethylhydrazine in female CBA mice] Smirnova IO, et al. **Biull Eksp Biol Med** 1983 Oct;96(10):91–2 (Eng. Abstr.) **(Rus)**

[Role of hypothalamic monoamines in the pathogenesis of sexual dysfunction caused by hyperandrogenization] Iusfina EZ, et al. **Fiziol Zh** 1983 Jul-Aug;29(4):471–3 **(Rus)**

[Prostatic phosphomonoesterases in rats of different ages both intact and after gonadectomy] Vasilenko AS, et al. **Probl Endokrinol (Mosk)** 1983 Nov-Dec;29(6):63–7 (Eng. Abstr.) **(Rus)**

[Sebaceous glands—target organs for androgen hormones] Reiner Z. **Lijec Vjesn** 1983 Nov-Dec;105(11–12):481–7 (106 ref.) (Eng. Abstr.) **(Scr)**

SECRETION

Evolution of the hyperandrogenism-polycystic ovary syndrome from isosexual precocious puberty: report of two cases. Root AW, et al. **Am J Obstet Gynecol** 1984 Aug 1;149(7):763–7

The relationship of I-131 6 beta-iodomethyl-19-norcholesterol (NP-59) adrenal cortical uptake to indices of androgen secretion in women with hyperandrogenism. Gross MD, et al. **Clin Nucl Med** 1984 May;9(5):264–70

Testicular androgen and estrogen secretion and benign prostatic hyperplasia in the beagle. Ewing LL, et al. **Endocrinology** 1984 Apr;114(4):1308–14

Ovarian and adrenal vein steroids in patients with nonneoplastic hyperandrogenism: selective catheterization findings. Moltz L, et al. **Fertil Steril** 1984 Jul;42(1):69–75

Dissociation of cortisol and adrenal androgen secretion in the hypophysectomized, adrenocorticotropin-replaced chimpanzee. Albertson BD, et al. **J Clin Endocrinol Metab** 1984 Jul;59(1):13–8

The effects of continuous androgen secretion on the hypothalamic-pituitary axis in woman: evidence from a luteinized thecoma of the ovary. Dunaif A, et al. **J Clin Endocrinol Metab** 1984 Sep;59(3):389–93

Treatment of severe hirsutism resulting from hyperandrogenism with the reverse sequential cyproterone acetate regimen. Garner PR, et al. **J Reprod Med** 1984 Apr;29(4):232–6

Dissociation between adrenal androgens and cortisol in Cushing's disease [letter] Anderson DC. **Lancet** 1984 Jul 21;2(8395):159

[Acquired adrenal hyperandrogenism in women] Buvat J. **LARC Med** 1983 Aug-Sep;3(7):496–503 **(Fre)**

[Clinical manifestations and principles of the diagnosis of hyperandrogenism in adolescents] Avetisova KR, et al. **Akush Ginekol (Mosk)** 1983 Jul;(7):20–2 (Eng. Abstr.) **(Rus)**

[A pattern of hair distribution in healthy women with normal reproductive function] Gasparov AS, et al. **Akush Ginekol (Mosk)** 1983 Jul;(7):56–8 (Eng. Abstr.) **(Rus)**

[Contractile activity of the Fallopian tubes in the presence of androgenic hyperfunction of the adrenal cortex and ovaries] Volobuev AI, et al. **Akush Ginekol (Mosk)** 1983 Sep;(9):33–7 (4 ref.) (Eng. Abstr.) **(Rus)**

[Androgenic function of the adrenal cortex in girl athletes with retarded sexual development] Levenets SA, et al. **Probl Endokrinol (Mosk)** 1983 Sep-Oct;29(5):35–8 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Clinical use of androgens. Snyder PJ. **Annu Rev Med** 1984; 35:207–17 (27 ref.)

Therapy of severe aplastic anemia with anti-human thymocyte globulin and androgens: the effect of HLA-haploidentical marrow infusion. Doney K, et al. **Blood** 1984 Feb;63(2):342–8

Therapeutic uses of androgenic agents. Smith GB, et al. **Compr Ther** 1984 Apr;10(4):11–6 (16 ref.)

Correlation between in vitro and in vivo response to androgens in patients with aplastic anemia. Kamamoto T, et al. **Int J Cell Cloning** 1984 May;2(3):173–84

Data on virilization and erotosexual behavior in male hypogonadotropic hypopituitarism during gonadotropin and androgen treatment. Clopper RR, et al. **J Androl** 1983 Sep-Oct;4(5):303–11

Androgen therapy in Turner syndrome [letter] Lippe BM, et al. **J Pediatr** 1984 Sep;105(3):503

Adult height in Turner syndrome with and without androgen therapy. Sybert VP. **J Pediatr** 1984 Mar;104(3):365–9

Anabolic-androgenic steroid treatment of liver diseases. Gluud C. **Liver** 1984 Jun;4(3):159–69

Biochemical basis of breast cancer treatment by androgens and progestins. Rochefort H. **Prog Clin Biol Res** 1984; 142:79–95

[Recent aspects of therapy with androgenic and anabolic steroids] Schambach H, et al. **Z Gesamte Inn Med** 1983 Nov 15;38(22):242–6 (Eng. Abstr.) **(Ger)**

[Immunosuppression or androgen therapy for aplastic anemia: a cooperative study] Urabe A, et al. **Rinsho Ketsueki** 1984 Apr;25(4):554–60 (Eng. Abstr.) **(Jpn)**

[Acquired aplastic anemia in children. Therapy using androgens and antilymphocyte gamma globulin] Vilalta R, et al. **An Esp Pediatr** 1984 Feb 15;20(2):91–9 (Eng. Abstr.) **(Spa)**

TOXICITY

Androgens-induced atresia of the vagina in Sprague-Dawley female rats. Yoshida H, et al. **Jikken Dobutsu** 1983 Apr; 32(2):93–6

URINE

Urinary androgen and 17-hydroxylated corticosteroid metabolites and their relation to recurrence rates in early breast cancer. Thomas BS, et al. **Breast Cancer Res Treat** 1984;4(1):27–35

Increased urinary androgen levels in patients with carcinoma in situ of the breast with onset while taking oral contraceptives. Secreto G, et al. **Cancer Detect Prev** 1983; 6(4–5):439–42

Urinary steroid measurements in hirsute women [letter] Phillipou G, et al. **Clin Chem** 1984 Sep;30(9):1579–80

A prospective study of urinary androgen levels and ovarian cancer. Cuzick J, et al. **Int J Cancer** 1983 Dec 15; 32(6):723–6

Prognostic evaluation of estrogen receptors and urinary androgens in ovariectomy for advanced breast cancer. Oriana S, et al. **Tumori** 1984 Apr 30;70(2):185–7

[Characteristics of urinary steroid excretions in ovarian cancer patients] Kodama M, et al. **Gan No Rinsho** 1984 May;30(5):501–4 (Eng. Abstr.) **(Jpn)**

[An analysis and identification of urinary steroids in normal people and patients with 21-hydroxylase deficiency and urinary excretion patterns] Mizumoto T, et al. **Nippon Naibunpi Gakkai Zasshi** 1984 Feb 20;60(2):131–46 (Eng. Abstr.) **(Jpn)**

[Use of thin layer chromatography for separation of androgen fractions] Chevari S, et al. **Lab Delo** 1983;(7):40–3 **(Rus)**

ANDROGENS, SYNTHETIC

ADMINISTRATION & DOSAGE

Efficacy and dosage titration study of mibolerone for treatment of pseudopregnancy in the bitch. Brown JM. **J Am Vet Med Assoc** 1984 Jun 15;184(12):1467–8

ADVERSE EFFECTS

Hepatic adenomata and androgen treatment [letter] Carrasco D, et al. **Ann Intern Med** 1984 Feb;100(2):316

DIAGNOSTIC USE

Fluorescent androgen derivatives do not discriminate between androgen receptor-positive and -negative human tumor cell lines. Berns EM, et al. **Prostate** 1984;5(4):425–37

METABOLISM

Binding of [3H]methyltrienolone to androgen receptor in rat liver. Kyakumoto S, et al. **Biochim Biophys Acta** 1984 Aug 21;800(3):214–9

Binding of [3H]-methyltrienolone (R1881) by human breast cancers. Miller WR, et al. **Eur J Cancer Clin Oncol** 1983 Oct;19(10):1473–8

Evidence for the presence of androgen receptors in purified rat Leydig cells. Gulizia S, et al. **J Androl** 1983 Jul-Aug; 4(4):248–52

Androgen receptor binding characteristics in the cytosol of the rat dorsolateral prostate gland and the Dunning R-3327 prostatic adenocarcinoma. Rowley DR, et al. **Prostate** 1984;5(1):101–11

PHARMACODYNAMICS

Regulation of the androgen receptor in human genital skin fibroblasts, with a review of sex steroid receptor regulation by homologous and heterologous steroids. Pinsky L, et al. **Can J Biochem Cell Biol** 1983 Jul;61(7):770–8

Sex differences in behavioural androgen sensitivity: possible role of androgen metabolism. Mode A, et al. **J Endocrinol** 1984 Feb;100(2):245–8

Effects of 17 beta-hydroxy-17 alpha-methyl-estra-4,9,11-triene-3-one (R 1881): evidence for direct involvement of androgens in the defeminization of behaviour in rats. Olsen KL. **J Endocrinol** 1983 Sep; 98(3):431–8

Additive effects of aminoglutethimide, testololactone, and 4-hydroxyandrostenedione as inhibitors of aromatase. Santner SJ, et al. **J Steroid Biochem** 1984 Jun; 20(6A):1239–42

Steroid receptors and hormone action: physiological and synthetic androgens and progestins can mediate inappropriate biological effects. Jänne OA, et al. **Pharmacol Rev** 1984 Jun;36(2 Suppl):35S–42S (45 ref.)

THERAPEUTIC USE

[Indications for using androgens in hypoplastic anemia] Fedorovskaia NA. **Gematol Transfuziol** 1984 Jun;29(6):6–10 (Eng. Abstr.) **(Rus)**

[Chemical adrenalectomy—a new alternative in the treatment of advanced breast cancer] Wilking N, et al. **Lakartidningen** 1983 Jun 29;80(26–27):2644–5 **(Swe)**

ANDROSTADIENES

BIOSYNTHESIS

Solubilization and partial purification of 4,16-androstadien-3-one synthesizing enzyme from boar testis microsomes and requirements for the enzymatic activity. Tsunezumi S, et al. **Steroids** 1983 Jun;41(6):703–18

ISOLATION & PURIFICATION

Identification of 3 beta-hydroxy-5,7-pregnadien-20-one and 3 beta-hydroxy-5,7-androstadien-17-one as endogenous steroids in the fetal horse gonad. Tait AD, et al. **J Endocrinol** 1983 Oct;99(1):87–92

METABOLISM

Pharmacokinetics of the new aldosterone antagonist, spirorenone, in healthy volunteers after single and repeated daily doses. Krause W, et al. **Eur J Clin Pharmacol** 1983; 25(2):231–6

PHARMACODYNAMICS

The renal action of spirorenone and other 6 beta,7 beta; 15 beta,16 beta-dimethylene-17-spirolactones, a new type of steroidal aldosterone antagonists. Casals-Stenzel J, et al. **Arzneimittelforsch** 1984;34(3):241–6

ANDROSTANAZOL see **STANOZOLOL**

5-ANDROSTANE-3,17-DIOL see under **ANDROSTANOLS**

ANDROSTANES

BIOSYNTHESIS

Conversion of testosterone and androstenedione to 5 beta-androstanes by adult male hamster liver cytosol. Kochakian CD. **J Steroid Biochem** 1983 Oct;19(4):1521-6

METABOLISM

Rapid analysis of C19-steroid metabolism by high-performance liquid chromatography and in-line monitoring of radioactivity. Lundmo PI, et al. **J Chromatogr** 1984 Jun 8;308:289-94

D-homoandrostanes. 4. The incubation of some D-homo-5 alpha-androstanes with Rhizopus nigricans. de Marcano D, et al. **Steroids** 1983 Jan;41(1):1-13

PHARMACODYNAMICS

Physiologic mechanisms and the hematopoietic effects of the androstanes and their derivatives. Gardner FH, et al. **Curr Top Hematol** 1983;4:123-95 (357 ref.)

URINE

[Analysis of the high risk factors of endometrial adenocarcinoma--abnormal excretion in urinary steroids in androgen sterilized rats] Morikawa S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Jul; 36(7):995-1000 (Eng. Abstr.) **(Jpn)**

ANDROSTANOLONE see **STANOLONE**

ANDROSTANOLS

Proton magnetic resonance spectra of 17 xi-hydroxy-17 xi-methyl-5 xi-androstane C-3 ketone and C-3 xi alcohol isomers in chloroform-d and pyridine-d5. Templeton JF, et al. **Steroids** 1983 Apr;41(4):485-91

ADMINISTRATION & DOSAGE

[Graded continuous administration of arduan during surgery with prolonged hypothermic perfusion] Sud'in VI, et al. **Anesteziol Reanimatol** 1983 Nov-Dec;(6):5-8 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Synthesis of testosterone and 5 alpha-reduced androgens during initiation of spermatogenesis in the rat. Kula K, et al. **Andrologia** 1983 Nov-Dec;15(6):627-34

Ethanol directly increases dihydrotestosterone conversion to 5 alpha-androstan-3 beta,17 beta-diol and 5 alpha-androstan-3 alpha,17 beta-diol in rat Leydig cells. Murono EP, et al. **Biochem Biophys Res Commun** 1984 Jun 15;121(2):558-65

Metabolism of testosterone to 17 beta-hydroxy-5 alpha-androstane-3-one and 5 alpha-androstane-3 alpha, 17 beta-diol in alveolar macrophages from rat lung. Lofthus R, et al. **J Steroid Biochem** 1984 Jun;20(6A):1243-6

BLOOD

Circulating unconjugated 5 alpha-androstane-3 alpha, 17 beta-diol in elderly men and patients with prostatic tumours. Puah CM, et al. **Age Ageing** 1983 Aug;12(3):201-5

Plasma concentrations of free 5 alpha-androstane-3 alpha, 17 beta-diol and related gonadal steroids during spontaneous and induced sexual maturation in the female rat. Cohen J, et al. **Biol Reprod** 1984 Feb;30(1):105-11

Origin of plasma androstanediol glucuronide in men. Moghissi E, et al. **J Clin Endocrinol Metab** 1984 Sep; 59(3):417-21

Androgen metabolism in vitro by human leukocytes, variations with sex and age. Clair P, et al. **J Steroid Biochem** 1984 Jan;20(1):377-81

Effect of experimental alterations in serum levels of 5 alpha-androstane-3 beta,17 beta-diol on the timing of puberty in the female rat. Ojeda SR, et al. **Neuroendocrinology** 1984 Jul;39(1):19-24

Delay in the age of balano-preputial skinfold cleavage and alterations in serum profiles of testosterone, 5 alpha-androstane-3 alpha,17 beta-diol, and gonadotropins in adult rats treated during puberty with luteinizing hormone releasing hormone. Wisner JR Jr, et al. **Steroids** 1983 Apr;41(4):443-54

ISOLATION & PURIFICATION

Marine sterols. XIII. Isolation and synthesis of 1 beta,3 beta,5,6 beta-tetrahydroxy-5 alpha-androstan-17-one from the soft coral Sarcophyton glaucum. Kobayashi M, et al. **Steroids** 1982 Dec;40(6):673-7

METABOLISM

Characterization and endocrine regulation of the cytochrome P-450 dependent microsomal hydroxylation of 5 alpha-androstane-3 beta,17 beta-diol in the rat ventral prostate. Haaparanta T, et al. **Endocrinology** 1984 Jun; 114(6):2293-300

Binding of estradiol and 5 alpha-androstane-3 beta-17 beta-diol by the male rat enriched gonadotrope cells. Thieulant ML, et al. **J Steroid Biochem** 1984 Jan; 20(1):373-6

PHARMACODYNAMICS

Clinical experiences with pipecuronium bromide. Boros M, et al. **Acta Chir Hung** 1983;24(4):207-14

Antiarrhythmic effects of Org 6001 in rats: correlation with plasma and tissue drug concentrations. Kane K, et al. **Br J Pharmacol** 1982 Feb;75(2):319-23

Effect of testicular hormones on synthesis of soluble proteins by dog prostate slices. Dubé JY, et al. **Can J Biochem Cell Biol** 1983 Jul;61(7):756-63

Glucocorticoid stimulation of sodium absorption in colon epithelia is mediated by corticosteroid IB receptor. Bastl CP, et al. **J Biol Chem** 1984 Jan 25;259(2):1186-95

Glucocorticoid activity of 11 beta,17 beta-dihydroxy-21-methyl-17 alpha-pregna-1,4,6-trien-20-yn-3-one (RU-26988). Gomez-Sanchez EP, et al. **J Steroid Biochem** 1983 Dec; 19(6):1819-22

[Effect of 5 alpha-androstane-3 beta,17 beta-diol on estradiol-17 beta receptions in pituitary cytosol of male and female rats] Degtiar' VG. **Biokhimiia** 1983 Sep; 48(9):1479-82 (Eng. Abstr.) **(Rus)**

URINE

Increased urinary androgen excretion is a hormonal abnormality detectable before the clinical onset of breast cancer. Secreto G, et al. **Cancer Detect Prev** 1983; 6(4-5):435-8

Long-term response to ovariectomy in 35 premenopausal patients with advanced breast cancer, treated in coherence with hormonal tests. Preda F, et al. **Tumori** 1983 Aug 31; 69(4):343-7

5-ANDROSTENE-3,17-DIOL see under **ANDROSTENEDIOLS**

ANDROSTENEDIOLS

ANALYSIS

Adrenal androgen concentrations in breast tumours and in normal breast tissue. The relationship to oestradiol metabolism. Bonney RC, et al. **J Steroid Biochem** 1984 Jan; 20(1):501-4

BIOSYNTHESIS

Ileal metabolism in vitro of testosterone to 4-androstene-3 alpha, 17 beta-diol. Stenstad P, et al. **J Steroid Biochem** 1983 Dec;19(6):1775-8

BLOOD

The interrelationship between plasma 5-ene adrenal androgens in normal women. Bonney RC, et al. **J Steroid Biochem** 1984 Jun;20(6A):1353-5

METABOLISM

Adrenal androgen concentrations in endometrium and plasma during the menstrual cycle. Bonney RC, et al. **J Endocrinol** 1984 May;101(2):181-8

Endometrial tissue and plasma concentrations of 5-androstene-3 beta, 17 beta-diol during the menstrual cycle in normal premenopausal and perimenopausal women. Bonney RC, et al. **J Steroid Biochem** 1983 Nov; 19(5):1627-34

THERAPEUTIC USE

[Clinical effects of metharmon F for postmenopausal women with climacteric symptoms: its relationship with serum level of hormones] Yoshimoto S, et al. **Horumon To Rinsho** 1983 Aug;31(8):815-22 **(Jpn)**

URINE

[Evaluation of urinary androstanediol in idiopathic hirsutism as a sign of peripheral hyperandrogenism] Manfredi G, et al. **G Ital Dermatol Venereol** 1983 Jul-Aug;118(4):199-201 (Eng. Abstr.) **(Ita)**

ANDROSTENEDIONE

ANALOGS & DERIVATIVES

Inhibition of estrogen synthesis does not inhibit luteinizing hormone-induced ovulation. Koos RD, et al. **Am J Obstet Gynecol** 1984 Apr 1;148(7):939-45

Immunisation of ewes with polyandroalbumin to improve fecundity. Geldard H, et al. **Aust Vet J** 1984 Apr; 61(4):130-2

De novo biosynthesis of 6 beta-hydroperoxyandrostenedione in human placental microsomes. Tan L, et al. **Biochem Biophys Res Commun** 1984 Feb 14;118(3):805-13

Biochemical and endocrine properties of a mechanism-based inhibitor of aromatase. Johnston JO, et al. **Endocrinology** 1984 Aug;115(2):776-85

Biosynthesis of androgen from cortisol by a species of Clostridium recovered from human fecal flora. Bokkenheuser VD, et al. **J Infect Dis** 1984 Apr; 149(4):489-94

Synthesis and evaluation of 19-aza- and 19-aminoandrostenedione analogues as potential aromatase inhibitors. Lovett JA, et al. **J Med Chem** 1984 Jun; 27(6):734-40

Additive effects of aminoglutethimide, testololactone, and 4-hydroxyandrostenedione as inhibitors of aromatase. Santner SJ, et al. **J Steroid Biochem** 1984 Jun; 20(6A):1239-42

19-hydroxyandrostenedione and 6 beta-hydroxyandrostenedione: new steroids regulated by the renin-angiotensin system in man. Sekihara H. **J Steroid Biochem** 1984 Jan;20(1):383-5

Synthesis and properties of the epimeric 6-hydroperoxyandrostenediones, new substrates/inhibitors of human placental aromatase. Tan L, et al. **J Steroid Biochem** 1983 Sep;19(3):1329-38

Studies on the mechanism of action of the aromatase inhibitor, 4-hydroxyandrostenedione. Abul-Hajj YJ. **Steroids** 1983 Jun;41(6):783-90

A photoaffinity inhibitor of aromatase. Brueggemeier RW, et al. **Steroids** 1982 Dec;40(6):679-89

ANALYSIS

Steroid concentrations in the outer and inner zones of the adrenal cortex of the guinea pig. Nishikawa T, et al. **J Steroid Biochem** 1984 May;20(5):1123-7

BIOSYNTHESIS

Relationship between the preovulatory luteinizing hormone (LH) surge and androstenedione synthesis of preantral follicles in the cyclic hamster: detection by in vitro responses to LH. Terranova PF, et al. **Biol Reprod** 1983 Oct;29(3):630-6

Inhibition of thecal androstenedione production by exogenous progesterone in the cyclic hamster. Garza F, et al. **J Reprod Fertil** 1984 Mar;70(2):493-8

[Aging and delta 4-androstenedione and testosterone production in the ovary] Nagasako S. **Nippon Sanka Fujinka Gakkai Zasshi** 1983 Nov; 35(11):1945-54 (Eng. Abstr.) **(Jpn)**

BLOOD

Insulin resistance in patients with polycystic ovaries: its relationship to body weight and androgen levels. Pasquali R, et al. **Acta Endocrinol (Copenh)** 1983 Sep;104(1):110-6

Serum levels of 4-androstene-3,17-dione in menstruating and postmenopausal women. Evaluation of a radioimmunoassay and correlation with bone mineral content and endometrial pathology. Brody S, et al. **Acta Obstet Gynecol Scand** 1983; 62(5):531-4

Serum and pituitary luteinizing hormone and serum androgens during luteinizing hormone releasing hormone self-priming in immature and pubertal male rats. Nazian SJ. **Biol Reprod** 1983 Nov;29(4):912-8

Umbilical artery concentrations of androstenedione increased in early labour in the leading twin fetus. Norman RJ, et al. **Br J Obstet Gynaecol** 1984 Aug;91(8):776-80

Changes in plasma levels of prolactin, in relation to those of FSH, oestradiol, androstenedione and progesterone around the preovulatory surge of LH in women. Djahanbakhch O, et al. **Clin Endocrinol (Oxf)** 1984 Apr; 20(4):463-72

Midpregnancy elevation of serum androstenedione levels in the C3H/HeN mouse: placental origin. Soares MJ, et al. **Endocrinology** 1983 Oct;113(4):1408-12

Androstenedione, testosterone, and estradiol concentrations in fetal and maternal plasma in late pregnancy in the sheep. Yu HK, et al. **Endocrinology** 1983 Dec;113(6):2216-20

Behaviour of some steroids in postmenopausal women with coelomic ovarian tumors. Pelusi G, et al. **Eur J Gynaecol Oncol** 1983;4(3):224-8

Role of the ovary in the regulation of sex hormone binding globulin and its contribution to peripheral levels of androstenedione. Bolufer P, et al. **Exp Clin Endocrinol** 1983 Jul;82(1):29-34

Seasonal plasma sex steroid levels in the female Rana esculenta. Pierantoni R, et al. **Gen Comp Endocrinol** 1984 Jan;53(1):126-34

Induction of maternal behavior and some hormonal and physiological correlates in the domestic hen. Richard-Yris MA, et al. **Horm Behav** 1983 Dec;17(4):345-55

Testosterone, 17 beta-hydroxy-5 alpha-androstan-3-one and 4-androstene-3, 17-dione in the plasma of male and female grey squirrels (Sciurus carolinensis). Webley GE, et al. **J Steroid Biochem** 1984 May;20(5):1207-9

Plasma androstenedione and oestrone levels in the climacteric syndrome. Mango D, et al. **Maturitas** 1984 Apr;5(4):245-50

An easy and reliable radioimmunoassay of serum androstenedione: age-related normal values in 252 females aged 2 to 70 years. Hummer L, et al. **Scand J Clin Lab Invest** 1983 Jun;43(4):301-6

[Variations of plasma levels of testosterone and delta 4-androstenedione in growing Hubbard cockerels] Carrié-Lemoine J, et al. **C R Seances Acad Sci [III]** 1983; 296(15):701-6 (Eng. Abstr.) **(Fre)**

[Androstenedione, epitestosterone, testosterone and luteininizing hormone in the blood serum of steers before and after GnRH (Lutal) administration] Möstl E, et al. **Zentralbl Veterinarmed [A]** 1983 Jun;30(6):429-37 (Eng. Abstr.) **(Ger)**

[Androstenedione, testosterone and epitestosterone in blood of cows during the 1st 6 months of pregnancy] Möstl E, et al. **Zentralbl Veterinarmed [A]** 1983 Aug;30(7):559-63 (Eng. Abstr.) **(Ger)**

[Characteristics of the androgenic function of steroid-producing glands of baboons in the metapyrone test] Butnev VIu, et al. **Biull Eksp Biol Med** 1983 Nov; 96(11):99-102 (Eng. Abstr.) **(Rus)**

[Adrenal androgens and circulating 17 beta-estradiol/testosterone ratio in benign hyperplasia of the prostate] Corrales Hernández JJ, et al. **Med Clin (Barc)** 1984 May 5;82(17):751-3 (Eng. Abstr.) **(Spa)**

CHEMICAL SYNTHESIS

A photoaffinity inhibitor of aromatase. Brueggemeier RW, et al. **Steroids** 1982 Dec;40(6):679-89

ISOLATION & PURIFICATION

Extraction and separation of androstenedione from products of aromatase assays on micro-columns of magnesium oxide. O'Shannessy DJ, et al. **J Chromatogr** 1983 Nov 11; 278(1):151-5

METABOLISM

Testosterone, dihydrotestosterone, androstenedione and dehydroepiandrosterone concentrations in placentae, ovaries and plasma of the rat in late pregnancy. Legrand C, et al. **Acta Endocrinol (Copenh)** 1984 Jan;105(1):119-25

Release of 3H2O from 1 beta,2 beta[3H]androstenedione by equine granulosa cells. YoungLai EV, et al. **Acta Endocrinol (Copenh)** 1983 Oct;104(2):227-32

On the in vitro metabolism of androstenedione and progesterone in human testicular tissue from fetal age to senescence. Hammar M, et al. **Andrologia** 1984 Jul-Aug; 16(4):283-8

In vitro metabolism of (3H)-androstenedione in the rat epididymis and vas deferens. Setty BS, et al. **Andrologia** 1983 Jul-Aug;15(4):339-46

Aromatization of androstenedione to estrogen by human fetal tissues in vitro. Yamamoto T, et al. **Asia Oceania J Obstet Gynaecol** 1984 Jun;10(2):241-4

In vitro follicular and luteal steroidogenesis in the pregnant hamster with preliminary studies in the rat. Greenwald GS, et al. **Biol Reprod** 1984 Feb;30(1):93-104

Steroidogenesis by bovine theca interna in an in vitro perifusion system. McNatty KP, et al. **Biol Reprod** 1984 Feb;30(1):159-70

Steroid metabolism by rabbit embryos: time of onset of steroidogenic activity. Tandon A, et al. **Exp Clin Endocrinol** 1983 Nov;82(3):285-90

Inhibin activity and steroid hormone levels in ovarian extracts and ovarian vein plasma of female monkeys during postnatal development. Channing CP, et al. **Fertil Steril** 1984 Sep;42(3):453-8

Salivary and plasma androstenedione and 17-hydroxyprogesterone levels in congenital adrenal hyperplasia. Otten BJ, et al. **J Clin Endocrinol Metab** 1983 Dec;57(6):1150-4

The intracellular control of aromatase activity by 5 alpha-reduced androgens in human breast carcinoma cells in culture. Perel E, et al. **J Clin Endocrinol Metab** 1984 Mar;58(3):467-72

Androstenedione and testosterone concentrations in plasma and milk of the cow throughout pregnancy. Gaiani R, et al. **J Reprod Fertil** 1984 Jan;70(1):55-9

Seasonal changes in testicular contents of testosterone and androstenedione and in the metabolic clearance rate of testosterone in the sand rat (Psammomys obesus). Khammar F, et al. **J Reprod Fertil** 1984 May;71(1):235-41

Study of the role of Schiff base formation in the aromatization of 3-[18O]testosterone and 3,17-di-[18O]androstenedione by human placental aromatase. Beusen DD, et al. **J Steroid Biochem** 1984 Apr;20(4A):931-4

Conversion of testosterone and androstenedione to 5 beta-androstanes by adult male hamster liver cytosol. Kochakian CD. **J Steroid Biochem** 1983 Oct;19(4):1521-6

Conversion of androstenedione to testosterone and other androgens in guinea-pig alveolar macrophages. Milewich L, et al. **J Steroid Biochem** 1983 Nov;19(5):1611-5

Metabolism of [4-14C]androstenedione by cells cultured from human amniotic fluid. O'Shannessy DJ, et al. **J Steroid Biochem** 1984 Apr;20(4A):935-9

Metabolism of androstenedione by Sertoli cell enriched preparations and purified Leydig cells from boar testes in relation to estrogen formation. Raeside JI, et al. **J Steroid Biochem** 1984 Jun;20(6A):1267-72

Effects of in vivo administration of steroids on release of 3H2O from [1 beta,2 beta-3H] and [1-3H]androstenedione by isolated rabbit ovarian follicles. YoungLai EV. **J Steroid Biochem** 1983 Nov;19(5):1651-6

Inhibition of human estrogen synthetase (aromatase) by flavones. Kellis JT Jr, et al. **Science** 1984 Sep 7; 225(4666):1032-4

Steroid metabolism by monkey and human spermatozoa. Rajalakshmi M, et al. **Steroids** 1983 May;41(5):587-95

[Aromatization of C-19 steroid in human fetal liver tissue] Sakai C, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Jun;36(6):893-8 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Influence of progesterone, androstenedione and oestradiol-17 beta on the incorporation of [3H]proline in the human follicular wall. Tjugum J, et al. **Acta Endocrinol (Copenh)** 1984 Apr;105(4):552-7

PHYSIOLOGY

Reproductive effects of immunizing heifers against androstenedione and oestradiol-17 beta. Wise TH, et al. **J Reprod Fertil** 1983 Nov;69(2):605-12

[Androgens as factors of placental growth] Warchol A, et al. **Endokrynol Pol** 1984;35(1):11-23 (Eng. Abstr.) **(Pol)**

SECRETION

Effect of immunoneutralization of LH releasing hormone on LH, FSH and ovarian steroid secretion in the preovulatory phase of the oestrous cycle in the ewe. McNeilly AS, et al. **J Endocrinol** 1984 May;101(2):213-9

THERAPEUTIC USE

[Clinical effects of metharmon F for postmenopausal women with climacteric symptoms: its relationship with serum level of hormones] Yoshimoto S, et al. **Horumon To Rinsho** 1983 Aug;31(8):815-22 **(Jpn)**

URINE

Thin-layer chromatographic determination of urinary testosterone, epitestosterone and androstenedione. Jagarinec N, et al. **J Chromatogr** 1983 Oct 14;277:314-20

ANDROSTENES

Olfactory acuity to a pheromonal substance and psychotic illness. Bradley EA. **Biol Psychiatry** 1984 Jun;19(6):899-905

Ability to smell androstenone is genetically determined. Wysocki CJ, et al. **Proc Natl Acad Sci USA** 1984 Aug; 81(15):4899-902

ANALYSIS

Sexual dimorphism involving steroidal pheromones and their binding protein in the submaxillary salivary gland of the Göttingen miniature pig. Booth WD. **J Endocrinol** 1984 Feb;100(2):195-202

BIOSYNTHESIS

Identification of 16-dehydropregnenolone as an intermediate in 16-androstene biosynthesis in neonatal porcine testicular microsomes. Kwan TK, et al. **FEBS Lett** 1984 Aug 20; 174(1):173-8

Intermediates in 16-androstene biosynthesis in neonatal porcine testis. Kwan TK, et al. **FEBS Lett** 1984 Feb 13; 167(1):103-8

BLOOD

A note on the metabolism of 5 alpha-androst-16-en-3-one in the young boar in vivo. Bonneau M, et al. **Reprod Nutr Dev** 1983;23(5):899-905

CHEMICAL SYNTHESIS

[Synthesis and antiandrogenic activity of 17-deoxysteroids] Masuoka Y, et al. **Yakugaku Zasshi** 1983 Oct; 103(10):1046-53 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

Immunization of pigs against the boar taint steroid androstenone. Daniel MJ, et al. **J Comp Pathol** 1984 Apr; 94(2):319-21

PHARMACODYNAMICS

Mechanism of depression of brain phospholipid levels by an epileptogenic drug. Cenedella RJ, et al. **Biochem Pharmacol** 1984 Feb 15;33(4):591-8

Effects of 3 beta-[2-(diethylamino)ethoxy]androst-5-en-17-one on the synthesis of cholesterol and ubiquinone in rat intestinal epithelial cell cultures. Sexton RC, et al. **Biochemistry** 1983 Dec 6;22(25):5687-92

Dehydroepiandrosterone (DHEA) and 3 beta-methylandrost-5-en-17-one: inhibitors of 7,12-dimethylbenz[a]anthracene (DMBA)-initiated and 12-O-tetradecanoylphorbol-13-acetate (TPA)-promoted skin papilloma formation in mice. Pashko LL, et al. **Carcinogenesis** 1984 Apr;5(4):463-6

Human (Homo sapiens) responses to the pig (Sus scrofa) sex pheromone 5 alpha-androst-16-en-3-one. Filsinger EE, et al. **J Comp Psychol** 1984 Jun;98(2):219-22

Prostatic cancer--II. Inhibitors of rat prostatic 4-ene-3-ketosteroid 5 alpha-reductase derived from 6-methylene-4-androsten-3-ones. Petrow V, et al. **J Steroid Biochem** 1983 Oct;19(4):1491-502

SECRETION

Follicular fluid steroid levels and ovarian steroid secretion in polycystic ovarian disease. Laatikainen T, et al. **Eur J Obstet Gynecol Reprod Biol** 1983 Dec;16(4):283-91

ANDROSTENOLS

METABOLISM

Cyanoketone competition with estradiol for binding to the cytosolic estrogen receptor. Wolfson AJ, et al. **J Steroid Biochem** 1983 Dec;19(6):1817-8

PHARMACODYNAMICS

Drug-induced adrenal hypertrophy provides evidence for reset in the adrenocortical system. Akana SF, et al. **Endocrinology** 1983 Dec;113(6):2232-7

On the effects of cyanoketone on gonadotrophin- and steroid-induced in vitro maturation of Oryzias oocytes. Iwamatsu T, et al. **Gen Comp Endocrinol** 1983 Dec; 52(3):418-25

ANDROSTERONE

DEFICIENCY

[Diagnosis of androgenic insufficiency in interoreceptive forms of sexual dysfunction] Iunda IF, et al. **Vestn Dermatol Venerol** 1983 Dec;(12):54-6 (Eng. Abstr.) **(Rus)**

METABOLISM

Effects of steroid hormones and xenobiotics on the pubertal development of UDP-glucuronosyltransferase activities towards androsterone and 4-nitrophenol in Wistar rats. Watanabe HK, et al. **Biochem J** 1984 Sep 1;222(2):321-6

SECRETION

A 60,000 molecular weight human pituitary glycopeptide stimulates adrenal androgen secretion. Parker LN, et al. **Endocrinology** 1983 Dec;113(6):2092-6

ANECDOTES

Memories of polio. Calmes SH. **Arch Intern Med** 1984 Jun; 144(6):1273

Distorted learning from unusual medical anecdotes. Featherstone HJ, et al. **Med Educ** 1984 May;18(3):155-8

Confessions of a hardened herpetologist. Frye FL. **Mod Vet Pract** 1984 Mar;65(3):187-9

A reminiscence from the Editor. Felson B. **Semin Roentgenol** 1984 Jul;19(3):155-9

ANEMIA

Anemia. A clinical perspective. Steinberg D. **Clin Biochem** 1984 Apr;17(2):89-94

BLOOD

Cord blood haemoglobin, iron and ferritin status in maternal anaemia. Agrawal RM, et al. **Acta Paediatr Scand** 1983 Jul;72(4):545-8

Left ventricular function in chronic anemia: evidence of noncatecholamine positive inotropic factor in the serum. Florenzano F, et al. **Am J Cardiol** 1984 Sep 1;54(6):638-45

Hemoglobin concentration and exercise capacity. Woodson RD. **Am Rev Respir Dis** 1984 Feb;129(2 Pt 2):S72-5

Haemoglobin denaturation, lipid peroxidation and haemolysis in phenylhydrazine-induced anaemia. Bates DA, et al. **Biochim Biophys Acta** 1984 Mar 22;798(1):84-7

Relation between 2,3-diphosphoglycerate concentration in maternal red cells and duration of labour and newborn birth weight in anaemic pregnant women. Zachara B, et al. **Biomed Biochim Acta** 1983;42(9):1205-9

Effect of age on hematopoiesis in man. Lipschitz DA, et al. **Blood** 1984 Mar;63(3):502-9

The negative correlation between mean corpuscular volume and erythrocyte count in anemic and non-anemic children. Bredan AS, et al. **Blut** 1984 May;48(5):327-9

Testosterone, erythropoietin and anaemia in patients with disseminated bronchial cancer. Schreuder WO, et al. **Br J Haematol** 1984 Jul;57(3):521-6

2,3-diphosphoglycerate concentration in the red blood cells of anaemic pregnant women in various periods of pregnancy. Krasomski G, et al. **Ginekol Obstet Invest** 1983; 16(4):243-9

Serum and cord blood iron and copper in pregnant women with anemia. Egoramaiphol S, et al. **J Med Assoc Thai** 1983 Aug;66(8):458-63

Is anaemia during continuous ambulatory peritoneal dialysis really better than during haemodialysis? Salahudeen AK, et al. **Lancet** 1983 Nov 5;2(8358):1046-9

Mechanism of erythrocyte production. Nagai K. **Nippon Ketsueki Gakkai Zasshi** 1983 Dec;46(7):1357-66

Red cell disturbances in the feto-maternal unit. Werner EJ, et al. **Semin Perinatol** 1983 Jul;7(3):139-58 (215 ref.)

Hematologic values and prevalence of anaemia in Libyan school children. Bredan AS, et al. **Trop Geogr Med** 1983 Dec;35(4):357-61

[Renal anemia. Its diagnosis, pathogenesis, compensation and therapy in childhood] Müller-Wiefel DE. **Monatsschr Kinderheilkd** 1984 Feb;132(2):72-9 (Eng. Abstr.) **(Ger)**

[Hemoglobin, serum iron, ferritin, folic acid and vitamin B12 levels in maternal and cord blood of non-anemic and anemic pregnant women] Ueda T. **Igaku Kenkyu** 1982 Nov; 52(5):256-68 (Eng. Abstr.) **(Jpn)**

[Anemia in pregnancy, with special reference to blood viscosity in pregnancy] Kaibara M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1983 Dec; 35(12):2447-50 **(Jpn)**

[Effects of anemia of different etiologies during pregnancy

on bone marrow hematopoiesis in rat progeny] Tsygankova TP, et al. **Akush Ginekol (Mosk)** 1984 Jul;(7):64–5 **(Rus)**

[Lipoprotein content of the erythrocytes of patients with acute kidney failure and anemia] Grinshtein IuI, et al. **Gematol Transfuziol** 1983 Dec;28(12):39–41 (Eng. Abstr.) **(Rus)**

[Erythropoietic disorders in acute leukemia and various forms of anemia] Kisheva LP, et al. **Gematol Transfuziol** 1984 Jun;29(6):16–8 (Eng. Abstr.) **(Rus)**

[Globin synthesis in patients with low reticulocyte levels in the peripheral blood] Limborskaia SA, et al. **Gematol Transfuziol** 1984 Jun;29(6):33–7 (Eng. Abstr.) **(Rus)**

[Sulfhydryl groups in burn-induced anemia] Rozanov VE. **Patol Fiziol Eksp Ter** 1984 Jan–Feb;(1):38–41 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Alcohol and the blood. Larkin EC, et al. **Med Clin North Am** 1984 Jan;68(1):105–20 (69 ref.)

Tumorigenesis and anemia in mice induced by N-methyl-N'-nitro-N-nitrosoguanidine. Shimizu T, et al. **Nippon Juigaku Zasshi** 1983 Dec;45(6):815–20

[Anemia as the consequence of exposure to harmful occupational chemical agents] Lewczuk E, et al. **Pol Tyg Lek** 1984 Mar 19;39(12):411–4 (34 ref.) **(Pol)**

CLASSIFICATION

[Pathogenetic principles and classification of anemias] Waller HD. **Verh Dtsch Ges Pathol** 1983;67:380–91 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Anemia as a sign of abdominal pregnancy. Brown RC, et al. **Am Fam Physician** 1984 Feb;29(2):135–8

Intravenous nitroglycerin in transfusion therapy for severe anemia. Association with congestive heart failure. Varriale P, et al. **Arch Intern Med** 1984 Feb;144(2):401–2

Retinal abnormalities associated with anemia [letter] Fletcher ME, et al. **Arch Ophthalmol** 1984 Mar;102(3):358

Neonatal hematological values in maternal anemia. Agarwal RM, et al. **Indian Pediatr** 1983 May;20(5):369–72

Influence of infective dose, degree of host anaemia and multiparasitism of erythrocytes on Babesia microti and Babesia hylomysci parasitaemias in mice. Gray GD, et al. **Int J Parasitol** 1983 Aug;13(4):399–404

Anemia of acute inflammation in children. Abshire TC, et al. **J Pediatr** 1983 Dec;103(6):868–71

Preliminary observation on the absence of globule leucocytes in mast cell-deficient W/Wv anemic mice after Trichinella spiralis infection. Kamiya M, et al. **Jpn J Vet Res** 1983 Oct;31(3–4):133–40

Severe anemia in childhood presenting as transient ischemic attacks. Young RS, et al. **Stroke** 1983 Jul–Aug;14(4):622–3

Sickle cell trait, malaria and anaemia in pregnant Zambian women. van Dongen PW, et al. **Trans R Soc Trop Med Hyg** 1983;77(3):402–4

[Fever in anemias] Severova Ela. **Sov Med** 1983;(7):82–4 **(Rus)**

DIAGNOSIS

Diagnosis of anemia and iron deficiency: analytic and biological variations of laboratory tests. Dallman PR. **Am J Clin Nutr** 1984 Jun;39(6):937–41

Hematocrit values in white, black, and American Indian children with comparable iron status. Evidence to support uniform diagnostic criteria for anemia among all races. Yip R, et al. **Am J Dis Child** 1984 Sep;138(9):824–7

An evaluation of methods of screening for anaemia. Stone JE, et al. **Bull WHO** 1984;62(1):115–20

Urinary tract infection and anemia in pregnancy. Fede T. **Clin Exp Obstet Gynecol** 1983;10(2–3):140–1

Anemia: accurate diagnosis and appropriate therapy. Conley CL. **Hosp Pract [Off]** 1984 Sep;19(9):57–66

General principles of the evaluation and therapy of anemias. Kellermeyer RW. **Med Clin North Am** 1984 May; 68(3):533–43

The deoxyuridine suppression test in severe anaemia following Plasmodium falciparum malaria. Abdalla SH, et al. **Trans R Soc Trop Med Hyg** 1984;78(1):60–3

[Transient non-regenerative anemia of childhood: report on 3 additional cases and review of the literature] Hermann J, et al. **Kinderarztl Prax** 1983 Sep;51(9):423–8 (Eng. Abstr.) **(Ger)**

[Erythrocyte volume distribution curves in the diagnosis of anemia] Olesch B, et al. **Z Med Lab Diagn** 1983;24(5):282–6 (Eng. Abstr.) **(Ger)**

[Anemia in newborn infants] Kalinicheva VI. **Pediatriia** 1984 Apr;(4):54–9 **(Rus)**

DRUG THERAPY

Lack of effect of vitamin E therapy on the anemia of patients receiving hemodialysis. Sinsakul V, et al. **Am J Clin Nutr** 1984 Feb;39(2):223–6

U.S. clinical studies of the treatment of anemia with fluosol-DA 20%. Tremper KK, et al. **Artif Organs** 1984 Feb;8(1):19–24

Transitory hematologic effects of moderate exercise are not influenced by iron supplementation. Hegenauer J, et al. **Eur J Applied Physiol** 1983;52(1):57–61

The relative effectiveness of iron and iron with riboflavin in correcting a microcytic anaemia in men and children in rural Gambia. Powers HJ, et al. **Hum Nutr Clin Nutr** 1983 Dec;37(6):413–25

A clinical trial of prostaglandin E2 to increase erythropoiesis in anemia of end stage renal disease. A preliminary report. Ortega JA, et al. **Prostaglandins Leukotrienes Med** 1984 Jun;14(3):411–6

ENZYMOLOGY

Esterase cytochemistry in primary myelodysplastic syndromes and megaloblastic anaemias: demonstration of abnormal staining patterns associated with dysmyelopoiesis. Scott CS, et al. **Br J Haematol** 1983 Nov;55(3):411–8

Neuraminidase-like activity in sera of uremic anemic patients. Levinsky H, et al. **Nephron** 1984;37(1):35–8

ETIOLOGY

Haematological aspects of renal disease. Dodds A, et al. **Anaesth Intensive Care** 1983 Nov;11(4):361–8 (59 ref.)

BCG-induced anaemia in mice: no direct effect of the growth of bacilli. Milon G, et al. **Ann Immunol (Paris)** 1984 Mar–Apr;135C(2):195–204

Anaemia in young primigravidae in the guinea savanna of Nigeria: sickle-cell trait gives partial protection against malaria. Fleming AF, et al. **Ann Trop Med Parasitol** 1984 Aug;78(4):395–404

Nutritional anemia. Cook JD. **ASDC J Dent Child** 1983 Jul–Aug;50(4):305–8

Nutritional anemia. Cook JD. **Bol Asoc Med PR** 1983 Aug; 75(8):366–7

Radiation nephritis and anaemia: a functional assay for renal damage after irradiation. Alpen EL, et al. **Br J Radiol** 1984 Feb;57(674):185–7

Sickle cell anaemia, oxygen treatment, and anaemic crisis. Solanki DL. **Br Med J [Clin Res]** 1983 Sep 10; 287(6394):725–6

Leiomyoma presenting as prolonged fever, anemia, and thrombocytosis. Witt JH, et al. **Cancer** 1983 Dec 15; 52(12):2359–62

The role of erythropoietin in the anemia of chronic renal failure. Krane NK. **Henry Ford Hosp Med J** 1983; 31(3):177–81 (19 ref.)

Some epidemiological studies on Ancylostoma duodenale infection. El-Kholy SI, et al. **J Egypt Soc Parasitol** 1983 Dec;13(2):447–53

Haematological changes in Ardeola ibis ibis (heron) naturally infected with Nephrostomum ranosum and Apharyngostrigea ibis. Mansour MA, et al. **J Egypt Soc Parasitol** 1983 Dec;13(2):455–63

Hookworm anaemia in an infant of two and half months. Chaudhary AK, et al. **J Indian Med Assoc** 1984 Jan;82(1):25

Anemia in patients with malignancy: a brief review. Sumalnop V. **J Med Assoc Thai** 1983 Jul;66(7):425–7

Anemia and thrombocytopenia from Corynebacterium parvum-stimulated resistance against malaria, trypanosomiasis, and babesiosis. Cox HW, et al. **J Parasitol** 1983 Aug;69(4):654–9

Life-threatening fetal anemia secondary to fetal-maternal hemorrhage. A case report. Prout RE. **J Reprod Med** 1983 Sep;28(9):604–6

Pathogenesis of the anemia of uremia: role of secondary hyperparathyroidism. Massry SG. **Kidney Int [Suppl]** 1983 Dec;16:S204–7 (53 ref.)

Anaemia and treatment for chronic renal failure [letter] Williams AJ, et al. **Lancet** 1983 Nov 26;2(8361):1247–8

Thiamine-dependent beriberi in the 'thiamine-responsive anemia syndrome'. Mandel H, et al. **N Engl J Med** 1984 Sep 27;311(13):836–8

Hypervitaminosis A: a contributing factor to anemia in regular dialysis patients. Ono K, et al. **Nephron** 1984; 38(1):44–7

Anaemia of chronic renal failure. Polyamines are not raised in uraemic serum [letter] Spragg BP, et al. **Nephron** 1984; 38(1):65–6

Ileal dysgenesis presenting with anemia and growth failure. Orenstein SR, et al. **Pediatr Radiol** 1984;14(1):59–61

The anaemia of chronic disorders. Samson D. **Postgrad Med J** 1983 Sep;59(695):543–50 (59 ref.)

Effect of secondary hyperparathyroidism on the anaemia of end-stage renal failure: in vivo and in vitro studies. Grützmacher P, et al. **Proc Eur Dial Transplant Assoc** 1983; 20:739–45

The anaemia of chronic disorders. A bag of unsolved questions. Hansen NE. **Scand J Haematol** 1983 Nov; 31(5):397–402

Multiple causes of anaemia amongst children living near a lead smelter in Brazil. Carvalho FM, et al. **Sci Total Environ** 1984 Apr 5;35(1):71–84

Lead poisoning and hookworm infection as multiple factors in anaemia. Loureiro S, et al. **Trans R Soc Trop Med Hyg** 1983;77(3):321–2

[Nephrogenic anemia and porphyrin biosynthesis] Ivanov E, et al. **Vutr Boles** 1983;22(4):18–24 (Eng. Abstr.) **(Bul)**

[The anemic child in the care of a community pediatrician] Misařová Z, et al. **Cesk Pediatr** 1984 Mar;39(3):153–5 (Eng. Abstr.) **(Cze)**

[Anemia caused by acanthocytosis in the cirrhotic patient: diagnosis and prognostic significance. 3 cases] Duclos B, et al. **Ann Med Interne (Paris)** 1983;134(7):643–6 (Eng. Abstr.) **(Fre)**

[Anemia in renal insufficiency. Demonstration of ectopic erythropoiesis in hepatic cytolysis (letter)] Dueymes JM, et al. **Presse Med** 1983 Nov 19;12(42):2700 **(Fre)**

[Etiology of hyposiderinemia and anemia in Crohn's disease] Balzer K, et al. **Dtsch Med Wochenschr** 1984 Jun 29; 109(26):1023–8 (Eng. Abstr.) **(Ger)**

[Complete duplication of the small intestine in childhood] Gdanietz K, et al. **Z Kinderchir** 1983 Dec;38(6):414–6 (Eng. Abstr.) **(Ger)**

[Chronic nephritis--porphyrin biosynthesis and nephrogenic anemia] Iwanov E, et al. **Z Urol Nephrol** 1983 Nov; 76(11):725–30 (Eng. Abstr.) **(Ger)**

[Serum antibody levels and the course of anemia-parasitemia in dogs inoculated with Babesia gibsoni] Ogitani T, et al. **Nippon Saikingaku Zasshi** 1983 Jul;38(4):687–93 (Eng. Abstr.) **(Jpn)**

[Fetomaternal hemorrhage] Holt J, et al. **Tidsskr Nor Laegeforen** 1983 Sep 10;103(25):1752–3 (Eng. Abstr.) **(Nor)**

[Study of anemia and thrombopenia in Plasmodium berghei malaria] Işfan T. **Rev Ig [Bacteriol]** 1984 Apr–Jun; 29(2):155–70 (Eng. Abstr.) **(Rum)**

[Hemodynamics in post-hemorrhagic anemia] Ambărus V. **Rev Med Chir Soc Med Nat Iasi** 1983 Apr–Jun;87(2):328–36 **(Rum)**

[Histidine content of erythrocytes and normoblasts of patients with acute renal failure and anemia] Grinshtein IuI, et al. **Gematol Transfuziol** 1984 Jun;29(6):21–4 (Eng. Abstr.) **(Rus)**

[Nephrogenic anemia in chronic renal failure patients] Pisanets MP. **Urol Nefrol (Mosk)** 1983 Jul–Aug;(4):47–9 **(Rus)**

[Severe microcytic anemia and fever of long duration as a manifestation of hyperthyroidism] Lucas AM, et al. **Rev Clin Esp** 1984 Jan 15;172(1):53–4 **(Spa)**

FAMILIAL & GENETIC

Chromosome abnormalities in mice with Hertwig's anemia. Eppig JT, et al. **Blood** 1984 Sep;64(3):727–32

Growth of Trypanosoma brucei gambiense, T. b. rhodesiense, and T. congolense in bone marrow cultures of genetically anemic Sl/Sld mice. Balber AE. **J Parasitol** 1984 Feb; 70(1):179–80

[Genetic regulation of anemia in New Zealand black mice] Ozaki S, et al. **Arerugi** 1983 Dec;32(12):1151–9 (Eng. Abstr.) **(Jpn)**

[Population geography of the most important hereditary erythrocytopathies] Tokarev IuN. **Vestn Akad Med Nauk SSSR** 1984;(7):44–8 (Eng. Abstr.) **(Rus)**

HISTORY

Ancylostoma duodenale and the Saint Gothard anaemia. Peduzzi R, et al. **Br Med J [Clin Res]** 1983 Dec 24–31; 287(6409):1942–5

IMMUNOLOGY

[Various indices of natural resistance in anemia of pregnancy] Antonenko BN, et al. **Akush Ginekol (Mosk)** 1984 Mar; (3):54–6 (Eng. Abstr.) **(Rus)**

METABOLISM

Hepatic iron accumulation in copper-deficient rats. Williams DM, et al. **Br J Nutr** 1983 Nov;50(3):653–60

Relationship of components in wheat bran and spinach to iron bioavailability in the anemic rat. Gordon DT, et al. **J Nutr** 1984 Mar;114(3):526–35

Augmentation of fetal-hemoglobin production in anemic monkeys by hydroxyurea. Letvin NL, et al. **N Engl J Med** 1984 Apr 5;310(14):869–73

MORTALITY

The analysis using GENSTAT of anaemia, sugar intake and quetelet's index as prognostic indicators in women. Campbell MJ. **Stat Med** 1983 Apr–Jun;2(2):223–8

OCCURRENCE

Prevalence and causes of anemia in the United States, 1976 to 1980. Dallman PR, et al. **Am J Clin Nutr** 1984 Mar; 39(3):437–45

Gastrointestinal blood loss and anemia in runners. Stewart JG, et al. **Ann Intern Med** 1984 Jun;100(6):843–5

A hematologic study of pregnant women in free and insurance hospital populations. Toppozada HK, et al. **Int J Gynaecol Obstet** 1983 Dec;21(6):439–42

Prevalence of disease in Southeast Asian teenagers. Results of screening medical examination at a residential vocational training facility. Goldenring JM, et al. **J Adolesc Health Care** 1983 Dec;4(4):266–9

Some hematological findings in children of Western Samoa. Wood CS, et al. **J Trop Pediatr** 1984 Apr;30(2):104–10

Sickle cell trait, malaria and anaemia in Zambian pregnant women. van Dongen PW, et al. **Med J Zambia** 1982 May–Jul;16(3):58–62

Anemia associated with primary hyperparathyroidism. Hough DR. **Milit Med** 1983 Aug;148(8):686–8

Anaemia in Asians in London. Britt RP, et al. **Postgrad Med J** 1983 Oct;59(696):645–7

The prevalence of iron deficiency in apparently healthy Cape coloured infants. Kirsten GF, et al. **S Afr Med J** 1984 Mar

10;65(10):378–80
[Analysis of the incidence of pregnancy anemia in the region of Litoměřice] Kohout I. **Cesk Gynekol** 1983 Apr; 48(3):189–90 **(Cze)**
[Incidence and clinical characteristics of anemia in various regions of Eastern Siberia] Sedov KR, et al. **Gematol Transfuziol** 1984 Jun;29(6):37–40 (Eng. Abstr.) **(Rus)**
[Study of blood indicators in healthy infants in the Martin District. I. Results of studying hemoglobin levels] Cvengroš V. **Cesk Pediatr** 1984 May;39(5):266–9 (Eng. Abstr.) **(Slo)**

PATHOLOGY

[Giant hemangioma of the placenta as a cause of life-threatening anemia in the newborn infant with hydrops congenitum] von Stockhausen HB, et al. **Monatsschr Kinderheilkd** 1984 Mar;132(3):182–5 (Eng. Abstr.) **(Ger)**
[Pathology of anemias] Stutte HJ. **Verh Dtsch Ges Pathol** 1983;67:392–408 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Cardiovascular and metabolic responses to carotid clamping in anemic dogs. Cain SM, et al. **Adv Exp Med Biol** 1984; 169:381–7
Hemodynamic consequences of halothane anesthesia during chronic anemia. Barrera M, et al. **Anesthesiology** 1984 Jul; 61(1):36–42
On the 'anaemia' of heterozygous thalassaemia and on the possible relation of microcytosis to haemoglobin concentration. Fessas P, et al. **Biomed Biochim Acta** 1983; 42(11–12):S258–62
The role of aortic chemoreceptors during acute anemia. Szlyk PC, et al. **Can J Physiol Pharmacol** 1984 May;62(5):519–23
Systolic time intervals in anaemic children. Puri VK, et al. **Indian Heart J** 1984 Jan–Feb;36(1):27–30
The anemia of chronic renal failure in sheep. Response to erythropoietin-rich plasma in vivo. Eschbach JW, et al. **J Clin Invest** 1984 Aug;74(2):434–41
Gastrointestinal blood flow and oxygen consumption in the newborn lamb: effect of chronic anemia and acute hypoxia. Nowicki PT, et al. **Pediatr Res** 1984 May;18(5):420–5
Umbilical vein blood flow in the human fetus in cases of maternal and fetal anemia and uterine bleeding. Jouppila P, et al. **Ultrasound Med Biol** 1984 May–Jun;10(3):365–70
[Effect of mountain climate on higher nervous activity in healthy and anemic women] Makarenko NV, et al. **Fiziol Zh** 1983 Jul–Aug;29(4):393–8 (Eng. Abstr.) **(Rus)**
[Pathogenesis of anemia after extensive operations on the lungs] Lytkin MI, et al. **Vestn Khir** 1983 Aug;131(8):3–7 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Iron in the preterm infant: a pilot study comparing Fe2+ and Fe3+ tolerance and effect. Victorin LH, et al. **J Pediatr** 1984 Jul;105(1):151–2
[A community program for the prevention of anemia in infants] Tamir D, et al. **Harefuah** 1983 May 1;104(9):411–3 (Eng. Abstr.) **(Heb)**
[Sideropenic anemia in patients under periodic hemodialysis treatment: efficacy and safety of oral iron treatment] Recchia G, et al. **Clin Ter** 1984 Mar 15;108(5):397–404 (Eng. Abstr.) **(Ita)**
[Changes of hemoglobinemia during chelating therapy in lead poisoning] Toffoletto F, et al. **G Ital Med Lav** 1982 Nov; 4(6):267–70 (Eng. Abstr.) **(Ita)**
[Indications for blood transfusion in surgical blood loss] Zhukova IuV. **Khirurgiia (Mosk)** 1984 Apr;(4):80–3 (Eng. Abstr.) **(Rus)**

SURGERY

[Anemia of kidney failure treated by periodical hemodialysis. III. The effect of splenectomy. A retrospective study of 25 cases] Najean Y, et al. **Presse Med** 1983 Oct 22; 12(37):2307–10 (Eng. Abstr.) **(Fre)**

THERAPY

Haemodynamic changes following blood transfusion in cases of chronic severe anemia: increased safety with simultaneous furosemide administration. Gupta SP, et al. **Angiology** 1983 Nov;34(11):699–704
Usefulness of double-mutant athymic/renal failure mice in experimental therapy of nephrogenic anemia by an erythropoietin-producing human tumor. Ueyama Y, et al. **Exp Cell Biol** 1984;52(1–2):73–5
[Treatment of anemia—recent progress] Miyazaki T. **Rinsho Ketsueki** 1984 Jan;25(1):1–8 **(Jpn)**
[Surgical treatment of various hematologic diseases] Lubenskiĭ IuM, et al. **Khirurgiia (Mosk)** 1984 Apr;(4):76–80 (Eng. Abstr.) **(Rus)**
[Treatment experience with anemia in chronic kidney failure patients] Shostka GD. **Klin Med (Mosk)** 1984 Jun; 62(6):60–6 (Eng. Abstr.) **(Rus)**

VETERINARY

Hematologic and coagulation abnormalities in acute bovine sarcocystosis. Frelier PF, et al. **Am J Vet Res** 1984 Jan; 45(1):40–8
Cardiac dimensions in severely anemic neonatal pigs. Lee JC, et al. **Am J Vet Res** 1983 Oct;44(10):1940–2
Response of anemic calves to exertion. Reece WO. **Am J Vet Res** 1984 Mar;45(3):437–9
Studies of the pathogenesis of anemia of inflammation: mechanism of impaired erythropoiesis. Weiss DJ, et al. **Am J Vet Res** 1983 Oct;44(10):1832–5
Studies of the pathogenesis of anemia of inflammation: erythrocyte survival. Weiss DJ, et al. **Am J Vet Res** 1983 Oct;44(10):1830–1
Nucleotide sequence of the anemic pigeon alpha-globin gene. Structural rearrangements in the cloned cDNA. Pletnev AG, et al. **Gene** 1983 Nov;25(1):93–100
Thyroid hormone therapy for anemia [letter] Ferguson DC. **J Am Vet Med Assoc** 1984 May 15;184(10):1201–3
Experimental egg transmission of chicken anemia agent. Yuasa N, et al. **Natl Inst Anim Health Q (Tokyo)** 1983 Fall;23(3):99–100
Distribution of chicken anemia agent (CAA) and detection of neutralizing antibody in chicks experimentally inoculated with CAA. Yuasa N, et al. **Natl Inst Anim Health Q (Tokyo)** 1983 Fall;23(3):78–81
Isolation of chicken anemia agent with MDCC-MSB1 cells from chickens in the field. Yuasa N, et al. **Natl Inst Anim Health Q (Tokyo)** 1983 Fall;23(3):75–7
Anemia and hypoproteinemia. Bennett DG. **Vet Clin North Am [Large Anim Pract]** 1983 Nov; 5(3):511–24 (26 ref.)
[Pharmacological and clinico-pharmacological studies of a combination preparation for calves having antianemia and general tonic action] Dilov P, et al. **Vet Med Nauki** 1983; 20(5–6):87–98 (Eng. Abstr.) **(Bul)**
[Early mortality syndrome in chickens following double infection with Marek's disease virus and chicken anemia agent] von Bülow V, et al. **Zentralbl Veterinarmed [B]** 1983 Dec;30(10):742–50 (Eng. Abstr.) **(Ger)**

ANEMIA, ADDISON'S see **ANEMIA, PERNICIOUS**

ANEMIA, APLASTIC

Relapsing pure red-cell aplasia during pregnancy [letter] Picot C, et al. **N Engl J Med** 1984 Jul 19;311(3):196
Aplastic anemia. Stem cell biology and advances in treatment. Proceedings of the Third International Conference on Aplastic Anemia. Airlie, Virginia, June 26–28, 1983. **Prog Clin Biol Res** 1984;148:xxi–xxx, 3–341
[Panmyelophthisis and other bone marrow disorders] **Verh Dtsch Ges Pathol** 1983;67:276–317 **(Ger)**
[Clinical course and pathogenesis of panmyelopathy] Heimpel H, et al. **Verh Dtsch Ges Pathol** 1983;67:276–85 (60 ref.) (Eng. Abstr.) **(Ger)**
[Phenotype characteristics in Fanconi's anemia. Case report and review of literature] Lazzaroni Fossati F, et al. **Minerva Pediatr** 1983 Oct 15;35(19):943–9 (84 ref.) (Eng. Abstr.) **(Ita)**

BLOOD

Erythroblastopenia in acquired immunodeficiency syndrome (AIDS) [letter] Berner YN, et al. **Acta Haematol (Basel)** 1983;70(4):273
Increased activity of glutathione S-transferase and fast decay of reduced glutathione in Fanconi's anemia erythrocytes [letter] Dallapiccola B, et al. **Acta Haematol (Basel)** 1984; 71(2):143–4
A case of acquired pure red cell anemia studied by cloning of erythroid progenitor cells in vitro. Konwalinka G, et al. **Acta Haematol (Basel)** 1983;70(5):316–24
Superoxide anion (O_2^-) production by neutrophils in refractory anemia with excess of blasts. Takahashi I, et al. **Acta Med Okayama** 1983 Oct;37(5):417–21
Lymphocyte subsets in patients with aplastic anemia. Ruiz-Argüelles GJ, et al. **Am J Hematol** 1984 Apr; 16(3):267–75
Complete recovery of hemopoiesis following bone marrow transplant in a patient with unresponsive congenital hypoplastic anemia (Blackfan-Diamond syndrome). Iriondo A, et al. **Blood** 1984 Aug;64(2):348–51
Erythroid progenitors in adult chronic pure red cell aplasia: relationship of in vitro erythroid colonies to therapeutic response. Lacombe C, et al. **Blood** 1984 Jul;64(1):71–7
The function of lymphocytes in normal and suppressed hematopoiesis. Zoumbos N, et al. **Blut** 1984 Jan;48(1):1–9 (72 ref.)
Reduced helper (OKT4+): suppressor (OKT8+) T ratios in aplastic anaemia: relation to immunosuppressive therapy. Kuriyama K, et al. **Br J Haematol** 1984 Jun;57(2):329–36
Generation of CFUC suppressor T cells in vitro: VII. T derived colony inhibitory activity (Td/CIA) has no suppressor effect on in vitro immunoglobulin production. Bacigalupo A, et al. **Exp Hematol** 1983 Jul;11(6):506–11
Comparisons of the composition of fat cells obtained from the marrow of normal individuals or of subjects with aplastic anemia and from bone marrow cultures. Malik F, et al. **Exp Hematol** 1984 Mar;12(3):191–7
Gonadal function in two siblings with Fanconi's anemia. Berkovitz GD, et al. **Horm Res** 1984;19(3):137–41
Unusual response to bifunctional alkylating agents in a case of Fanconi anaemia. Kwee ML, et al. **Hum Genet** 1983; 64(4):384–7
Clinical and hematological studies on twelve cases of secondary aplastic anemia. Yoshida Y, et al. **Nippon Ketsueki Gakkai Zasshi** 1984 Feb;47(1):195–9
[Refractory anemia with an excess of blasts: evidence for 2 evolving groups in a group of 56 patients] Seigneurin D, et al. **Nouv Rev Fr Hematol** 1984;26(3):179–87 (Eng. Abstr.) **(Fre)**
[Proliferation and maturation of hematopoietic cells from patients with preleukemia and aplastic anemia in agar and diffusion chamber cultures] Schulze E, et al. **Folia Haematol (Leipz)** 1984;111(3):309–13 **(Ger)**
[Evaluation of the distribution spectrum of bone marrow granulocyte-CFU and its prognostic significance in dysmyelopoietic syndromes] Ghizzi A, et al. **Boll Soc Ital Biol Sper** 1984 Feb 28;60(2):397–403 (Eng. Abstr.) **(Ita)**
[In vitro effects of fluoxymesterone on the bone marrow erythroid colony formation in aplastic anemia] Maeda H, et al. **Rinsho Ketsueki** 1983 Aug;24(8):1049–54 (Eng. Abstr.) **(Jpn)**
[A case of pure red cell aplasia: evidence that T cells suppress CFU-E colony in the autologous system] Sawada K, et al. **Rinsho Ketsueki** 1984 Jan;25(1):17–24 (Eng. Abstr.) **(Jpn)**
[i-Antigen on erythrocytes of patients with hypoplastic anemia] Gorskaia TI, et al. **Gematol Transfuziol** 1984 Jun; 29(6):24–8 (Eng. Abstr.) **(Rus)**
[Acid-base equilibrium in the blood of patients with various diseases of the blood system in relation to surgery and general anesthesia] Moroz VA, et al. **Ter Arkh** 1983; 55(8):85–8 **(Rus)**
[Aplastic anemia and pregnancy. Analysis of 6 cases] Avilés Miranda A, et al. **Ginecol Obstet Mex** 1982 Oct; 50(306):261–4 (Eng. Abstr.) **(Spa)**
[Refractory anemia with an excess of blasts: study of 30 cases] Sans-Sabrafen J, et al. **Med Clin (Barc)** 1983 Sep 10; 81(6):246–51 (Eng. Abstr.) **(Spa)**
[Refractory anemias. Clinico-hematological study of 16 patients] Carrasco Díaz F, et al. **Rev Clin Esp** 1984 Apr 30;173(2):103–6 (Eng. Abstr.) **(Spa)**

CHEMICALLY INDUCED

Aplastic anemia during ethosuximide medication. Treatment with bolus-methylprednisolone. Seip M. **Acta Paediatr Scand** 1983 Nov;72(6):927–9
Aplastic anemia associated with intravenous chloramphenicol. Alavi JB. **Am J Hematol** 1983 Dec; 15(4):375–9
Pure red cell aplasia associated with fenoprofen. Reitz CL, et al. **Am J Med Sci** 1984 Jan–Feb;287(1):62–3
Bone marrow injury in lithographers exposed to glycol ethers and organic solvents used in multicolor offset and ultraviolet curing printng processes. Cullen MR, et al. **Arch Environ Health** 1983 Nov–Dec;38(6):347–54
Aplastic anemia [letter] McGuinness R. **Aust J Ophthalmol** 1983 Nov;11(4):348
In vitro evidence of drug action in aplastic anemia. Vincent PC. **Blut** 1984 Jul;49(1):3–12 (67 ref.)
Red cell hypoplasia following dapsone and pyrimethamine. Gelfand M, et al. **Cent Afr J Med** 1983 Sep;29(9):181–3
Aplastic anemia and quinidine. Elizaga FV, et al. **Hawaii Med J** 1983 Dec;42(12):402
Chloramphenicol eye drops and blood dyscrasia [letter] McGuinness R. **Med J Aust** 1984 Mar 17;140(6):383
Side effects of low-dose cytarabine therapy [letter] Lee MS, et al. **N Engl J Med** 1984 May 17;310(20):1328–9
[Chloramphenicol residues in foods of animal origin as a potential cause of aplastic anemia in man] Schmid A. **Fortschr Med** 1983 Nov 10;101(42):1913–20 (Eng. Abstr.) **(Ger)**
[Fatal panhemophthisis during gold therapy] Kalmár Z, et al. **Orv Hetil** 1984 Feb 26;125(9):513–5 (Eng. Abstr.) **(Hun)**
[Selective red blood cell aplasia after exposure to the insecticide Muchozol] Sokołowski K, et al. **Acta Haematol Pol** 1983 Apr–Jun;14(2):125–7 (Eng. Abstr.) **(Pol)**
[Changes in oxidation-reduction processes in rats with anemia, caused by alkylating preparations, in mountainous climatic conditions] Krasiuk AN. **Fiziol Zh** 1984 Mar–Apr; 30(2):222–6 **(Rus)**

COMPLICATIONS

Acquired hemoglobin H disease in a case of refractory anemia with excess of blasts (RAEB) evolving into acute nonlymphoid leukemia. Annino L, et al. **Acta Haematol (Basel)** 1984;72(1):41–4
Aplastic anemia complicating systemic lupus erythematosus: response to androgens in two patients. Stricker RB, et al. **Am J Hematol** 1984 Aug;17(2):193–201
Marrow transplantation in hepatitis-associated aplastic anemia. Witherspoon RP, et al. **Am J Hematol** 1984 Oct; 17(3):269–78
Delayed onset of infectious mononucleosis associated with acquired agammaglobulinemia and red cell aplasia. Purtilo DT, et al. **Ann Intern Med** 1984 Aug;101(2):180–6
Human parvovirus, fifth disease, and marrow aplasia. Tyrrell DA. **Arch Dis Child** 1984 Mar;59(3):197–8
Refractory dysmyelopoietic anemia and acute leukemia. Rosenthal DS, et al. **Blood** 1984 Feb;63(2):314–8
Transformation of Fanconi's anemia to acute nonlymphocytic leukemia associated with emergence of monosomy 7. Stivrins TJ, et al. **Blood** 1984 Jul;64(1):173–6
Clostridium liver abscess and massive hemolysis. Unique

demise in Fanconi's aplastic anemia. Mera CL, et al. **Clin Pediatr (Phila)** 1984 Feb;23(2):126-7

Acute respiratory failure in severe hematologic disorders. Estopa R, et al. **Crit Care Med** 1984 Jan;12(1):26-8

Prolonged reticulocytopenia and transient erythroid hypoplasia in a child with autoimmune haemolytic anaemia. Carapella de Luca E, et al. **Haematologica (Pavia)** 1984 May-Jun;69(3):315-20

Iron overload in cardiac valvular disease and pure red cell aplasia: treatment with desferrioxamine. Hehlmann R, et al. **Int J Cardiol** 1984 Jun;5(6):749-53

Ceftazidime as a single agent in the management of children with fever and neutropenia. Morgan G, et al. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:347-51

Infection in an immunocompromised patient caused by 'group JK' Corynebacterium. Downie GW, et al. **J Infect** 1984 May;8(3):262-3

The acute abdomen in the immunologically compromised child. Schaller RT Jr, et al. **J Pediatr Surg** 1983 Dec; 18(6):937-44

Aeromonas septicemia in infants and children. Sirinavin S, et al. **Pediatr Infect Dis** 1984 Mar-Apr;3(2):122-5

Refractory anaemia with excess of blasts terminating as Ph1 negative chronic myeloid leukaemia. Economopoulos T, et al. **Scand J Haematol** 1984 May;32(5):493-5

[Paroxysmal nocturnal hemoglobinuria and aplastic anemia] Thollot F, et al. **Arch Fr Pediatr** 1984 Mar;41(3):197-200 (Eng. Abstr.) **(Fre)**

[Treatment of hemorrhagic incidents in acute leukemia and bone marrow aplasia. Personal results 1974-1981] Huart JJ, et al. **Nouv Rev Fr Hematol** 1983;25(4):229-33 (Eng. Abstr.) **(Fre)**

[Fatal course of Corynebacterium JK group pneumopathy in bone marrow aplasia (letter)] Janin-Manificat L, et al. **Presse Med** 1983 Nov 5;12(39):2466 **(Fre)**

[Leukemia in refractory anemia after treatment of psoriasis. Role of retinoids and PUVA therapy? (letter)] Zittoun R, et al. **Presse Med** 1983 Dec 3;12(44):2819 **(Fre)**

[Fanconi's anemia and dysgammaglobulinemia] Hausser C. **Union Med Can** 1983 Nov;112(11):1091-2, 1095 (Eng. Abstr.) **(Fre)**

[Case of polymyositis associated with aplastic anemia] Matsumine H, et al. **Nippon Naika Gakkai Zasshi** 1983 Dec; 72(12):1762-6 **(Jpn)**

[Appearance of refractory anemia with nuclear dysplasia and erythroblastic PAS positivity in chronic lymphatic leukemia (letter)] Fernández Lago C, et al. **Sangre (Barc)** 1983;28(3):362-3 **(Spa)**

[Idiopathic thrombocytopenic purpura following recovery from a benzol-induced bone marrow aplasia (letter)] Ribera JM, et al. **Sangre (Barc)** 1984;29(2):224-5 **(Spa)**

CONGENITAL

Multiple congenital anomalies in a patient with Diamond-Blackfan syndrome. Lazarus KH, et al. **Clin Pediatr (Phila)** 1984 Sep;23(9):520-1

Elevated erythrocyte adenosine deaminase activity in congenital hypoplastic anemia. Glader BE, et al. **N Engl J Med** 1983 Dec 15;309(24):1486-90

[Etiology of congenital hypo- and aplastic anemia in childhood] Pojda Z. **Pediatr Pol** 1983 Feb;58(2):207-11 **(Pol)**

[Hypoplastic anemia in the pediatric age] Bello A, et al. **Bol Med Hosp Infant Mex** 1983 Dec;40(12):718-23 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

A listless baby with pale mucous membranes. Lazerson J. **Hosp Pract [Off]** 1984 Jul;19(7):111, 114

Ring sideroblasts and myelodysplastic syndromes [letter] Cazzola M. **J Clin Pathol** 1983 Dec;36(12):1413-4

Mitomycin C induced chromosome damage in fetal blood cultures and prenatal diagnosis of Fanconi's anaemia. Shipley J, et al. **Prenat Diagn** 1984 May-Jun;4(3):217-21

[Experience with postnatal and prenatal cytogenetic diagnosis of Fanconi's anemia] Goetz P, et al. **Cesk Pediatr** 1983 Sep;38(9):528-32 (Eng. Abstr.) **(Cze)**

[Medullary aplasia: diagnostic criteria, clinical course and prognostic factors] Lorand IG, et al. **AMB** 1983 Nov-Dec; 29(11-12):215-8 (Eng. Abstr.) **(Por)**

[Aplastic anemia and preleukemia syndromes developing into leukemia] Alejandre-Bárcenas JA, et al. **Bol Med Hosp Infant Mex** 1983 Aug;40 Suppl 2:81-6 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

High-dose intravenous corticosteroid for a patient with Diamond-Blackfan syndrome refractory to classical prednisone treatment. Ozsoylu S. **Acta Haematol (Basel)** 1984;71(3):207-10

Reversal of red cell aplasia and marrow fibrosis in non-Hodgkin's lymphoma. Kueh YK, et al. **Ann Acad Med Singapore** 1983 Jul;12(3):472-3

Clinical trial of low-dose Ara-C in the treatment of acute leukemia and myelodysplasia. Jehn U, et al. **Blut** 1984 May; 48(5):255-61

Correlation between in vitro and in vivo response to androgens in patients with aplastic anemia. Kamamoto T, et al. **Int J Cell Cloning** 1984 May;2(3):173-84

Oxymetholone treatment in aplastic anemia. Issaragrisil S, et al. **J Med Assoc Thai** 1983 Sep;66(9):542-6

Successful treatment of pure red-cell aplasia with cyclosporin [letter] Tötterman TH, et al. **Lancet** 1984 Sep 22; 2(8404):693

Acyclovir for the treatment of severe aplastic anemia [letter] Bacigalupo A, et al. **N Engl J Med** 1984 Jun 14; 310(24):1606-7

Cyclosporine in refractory severe aplastic anemia [letter] Stryckmans PA, et al. **N Engl J Med** 1984 Mar 8; 310(10):655-6

A case of severe childhood aplastic anemia associated with lymphocyte mediated hemopoietic suppression: recovery following cyclophosphamide treatment. Saitoh H, et al. **Nippon Ketsueki Gakkai Zasshi** 1983 Jul;46(4):808-13

[Treatment of chronic aplastic anemia with securinine--analysis of 123 cases] **Chung Hua Nei Ko Tsa Chih** 1983 Dec;22(12):764-6 (Eng. Abstr.) **(Chi)**

[Propranolol in the treatment of aplastic anemia--a preliminary report of experimental research and clinical observation] Cao LX. **Chung Hua Nei Ko Tsa Chih** 1983 Sep;22(9):535-6 **(Chi)**

[Immunosuppressive treatment of severe aplastic anemia with high-dose methylprednisolone and antithymocyte globulin in 2 patients] Urban C, et al. **Wien Klin Wochenschr** 1984 Mar 16;96(6):225-30 (Eng. Abstr.) **(Ger)**

[Low dose Ara-C for remission induction in aged patients with atypical nonlymphocytic leukemia and refractory anemia with excess blasts] Sawada H, et al. **Rinsho Ketsueki** 1983 Nov;24(11):1464-72 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

Red blood cell hexokinase in Fanconi's anemia. Magnani M, et al. **Acta Haematol (Basel)** 1984;71(5):341-4

Expression of beta-hexosaminidase isozymes in peripheral lymphocytes from patients with aplastic anemia. Kaneda T, et al. **Nippon Ketsueki Gakkai Zasshi** 1983 Jul; 46(4):993-6

ETIOLOGY

Aplastic anaemia in a case of hepatitis B with a high titer of hepatitis B antigen. Kindmark CO, et al. **Acta Med Scand** 1984;215(1):89-92

Human serum parvovirus as the cause of aplastic crisis in sickle cell disease. Kelleher JF Jr, et al. **Am J Dis Child** 1984 Apr;138(4):401-3

Rheumatoid arthritis and pure red cell aplasia. Dessypris EN, et al. **Ann Intern Med** 1984 Feb;100(2):202-6

Serum inhibitor in systemic lupus erythematosus associated with aplastic anemia. Brooks BJ Jr, et al. **Arch Intern Med** 1984 Jul;144(7):1474-7

Delayed marrow aplasia following treatment for thymic hypoplasia: correction by marrow transplant without immunosuppression. Hayward AR, et al. **Birth Defects** 1983;19(3):277-9

Acquired severe aplastic anemia: progress and perplexity. Thomas ED, et al. **Blood** 1984 Aug;64(2):325-8 (41 ref.)

Viruses and bone marrow failure. Young N, et al. **Blood** 1984 Apr;63(4):729-37 (128 ref.)

Aplastic crises in haemolytic anaemias: the role of a parvovirus-like agent. Davis LR. **Br J Haematol** 1983 Nov; 55(3):391-3 (24 ref.)

Human parvovirus aplasia: case due to cross infection in a ward. Evans JP, et al. **Br Med J [Clin Res]** 1984 Mar 3; 288(6418):681

Acute pure red cell aplasia following bromosulphonphtalein injection in a patient with non Hodgkin lymphoma. Broccia G, et al. **Haematologica (Pavia)** 1983 Sep-Oct;68(5):680-3

Interaction between feline leukaemia virus subgroups in the pathogenesis of erythroid hypoplasia. Jarrett O, et al. **Int J Cancer** 1984 Aug 15;34(2):283-8

Characterization of a virus that causes transient aplastic crisis. Young NS, et al. **J Clin Invest** 1984 Jan;73(1):224-30

Pure red-cell aplasia secondary to angioimmunoblastic lymphadenopathy [letter] Al Hilali M, et al. **J R Soc Med** 1983 Oct;76(10):894-5

A virological perspective on bone marrow failure. Mortimer PP. **Prog Clin Biol Res** 1984;148:121-7

Pathogenesis and treatment of aplastic anemia. Camitta BM. **Rinsho Ketsueki** 1984 Apr;25(4):459-69

[Clinico-immunological characteristics of partial red-cell aplasia associated with monoclonal gammopathies] Idel'son LI, et al. **Ter Arkh** 1983;55(8):75-9 **(Rus)**

[Thymoma associated with erythroblastopenia and hypogammaglobulinemia with an increase in the T8+ lymphocyte subpopulation (letter)] Estivill X, et al. **Med Clin (Barc)** 1984 Feb 25;82(7):334 **(Spa)**

[Pure red cell aplasia secondary to a thymoma: apropos of a case] Frau A, et al. **Med Clin (Barc)** 1983 Oct 1; 81(9):394-5 (Eng. Abstr.) **(Spa)**

[Hemophagocytic histiocytosis and medullary aplasia in typhoid fever] Valdés V, et al. **Rev Chil Pediatr** 1983 Sep-Oct;54(5):335-40 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Acquired partial deletions of the long arm of chromosome 5 in hematologic disorders. Wisniewski LP, et al. **Am J Hematol** 1983 Nov;15(3):295-310

Familial leukemia and aplastic anemia associated with monosomy 7. Chitambar CR, et al. **Am J Med** 1983 Nov; 75(5):756-62

Constitutional hypoplastic anemia associated with familial 'bird-headed' dwarfism (Seckel syndrome). Lilleyman JS. **Am J Pediatr Hematol Oncol** 1984 Summer;6(2):207-9

The bone marrow karyotype in seventeen cases of refractory anemia with excess of blasts (RAEB). Lavezzi AM, et al. **Ann Genet (Paris)** 1983;26(4):220-4

Chemical clastogenicity in lymphoid cell lines of chromosomal instability syndromes. Cohen MM, et al. **Cancer Genet Cytogenet** 1983 Nov;10(3):267-76

Myelodysplastic syndrome with monosomy 7 in adulthood: a distinct preleukaemic disorder. Dezza L, et al. **Haematologica (Pavia)** 1983 Nov-Dec;68(6):723-35

Effect of oxygen tension on chromosomal aberrations in Fanconi anaemia. Joenje H, et al. **Hum Genet** 1983; 65(2):99-101

Spectrum of anomalies in Fanconi anaemia [letter] Akar N, et al. **J Med Genet** 1984 Feb;21(1):75-6

Clinical and cytogenetic diversity in Fanconi's anaemia. Duckworth-Rysiecki G, et al. **J Med Genet** 1984 Jun; 21(3):197-203

Constitutional aplastic anaemia: a family with a new X linked variety of amegakaryocytic thrombocytopenia. Griffiths AD. **J Med Genet** 1983 Oct;20(5):361-4

Are breakpoints variable on the long arm of chromosome 5 (5q-) in patients with refractory anemia? Verma RS, et al. **Oncology** 1984;41(5):374-6

[Chromosome instability syndromes] Germain D, et al. **Sem Hop Paris** 1983 Dec 1;59(44):3065-79 (173 ref.) (Eng. Abstr.) **(Fre)**

[Granulocyte function defects, chromosome anomalies and blood group chimerism in 2 sisters with familial aplastic anemia (Estren-Dameshek type)] Ebell W, et al. **Klin Padiatr** 1983 Jul-Aug;195(4):283-7 (Eng. Abstr.) **(Ger)**

[Cytogenetic studies on patients with leukemia and RAEB found in atomic bomb survivors] Kamada N, et al. **Rinsho Ketsueki** 1984 Feb;25(2):156-63 (Eng. Abstr.) **(Jpn)**

[Fanconi's anemia: report of 2 cases in the same family] Olazábal PJ, et al. **Arq Neurospiquiatr** 1983 Sep; 41(3):287-91 (Eng. Abstr.) **(Por)**

IMMUNOLOGY

Immunological investigations in aplastic anemia patients. Sabbe LJ, et al. **Acta Haematol (Basel)** 1984;71(3):178-88

Immunologic defects in young male patients with hepatitis-associated aplastic anemia. Foon KA, et al. **Ann Intern Med** 1984 May;100(5):657-62

CFU-C inhibitors in aplastic anaemia. Morris TC, et al. **Blut** 1984 Feb;48(2):61-74

T cell function in refractory anaemia with excess blasts [letter] Colombat P, et al. **Br J Haematol** 1984 Jan; 56(1):171-3

Pure red cell aplasia: relationship between inhibitory activity of T cells to CFU-E and erythropoiesis. Hanada T, et al. **Br J Haematol** 1984 Sep;58(1):107-13

Analysis of lymphocyte subsets in patients with aplastic anaemia. Zoumbos NC, et al. **Br J Haematol** 1984 Sep; 58(1):95-105

Pure red cell aplasia--evidence for an inhibitory action of the bone marrow adherent cell layer. Murphy MF, et al. **Clin Lab Haematol** 1984;6(1):61-7

Experimental immunologically mediated aplastic anemia (AA) in H-2k identical, Mls (M) locus different mice. Knospe WH, et al. **Exp Hematol** 1983 Jul;11(6):542-52

Immune responses in an untransfused patient with aplastic anemia: analysis of cytolytic and proliferative T cell clones. Mickelson EM, et al. **Hum Immunol** 1984 Jul;10(3):189-201

Experimental immunologically mediated aplastic anemia (AA) in mice: cyclosporin A fails to protect against AA. Knospe WH, et al. **Int J Cell Cloning** 1984 Jul;2(4):263-71

Quantification of the soluble receptor of human T lymphocytes for sheep erythrocytes in the serum of patients with aplastic anaemia. Falcão RP, et al. **J Clin Lab Immunol** 1984 Mar;13(3):141-3

Acquired pure red-cell aplasia: a consequence of increased natural killer cell activity? Partanen S, et al. **Leuk Res** 1984; 8(1):117-22

In vitro bone marrow GM-CFC growth in aplastic patients. Correlation between E rosette forming cells and immunotherapy results. Faille A, et al. **Nouv Rev Fr Hematol** 1984;26(1):13-8

T-cell effects on in vitro erythropoiesis: immune regulation and immune reactivity. Torok-Storb B. **Prog Clin Biol Res** 1984;148:163-72 (30 ref.)

Suppression of mixed lymphocyte reactivity by cellular and humoral factors in aplastic anemia--both before and after bone marrow transplantation. Naparstek E, et al. **Transplantation** 1983 Oct;36(4):365-9

[Leukocyte adherence inhibition in acute leukemia and in refractory anemia with myeloblastic excess] Borsetti G, et al. **Riv Emoter Immunoematol** 1983;30(1):32-8 (Eng. Abstr.) **(Ita)**

[Characteristics of the immunohematological indicators in patients with hypoplastic anemia during remission] Fedorovskaia NA, et al. **Gematol Transfuziol** 1983 Jul; 28(7):29-32 (Eng. Abstr.) **(Rus)**

[Immunologic disorders in bone marrow aplasia and the methods for correcting hematopoiesis depression] Serova LD, et al. **Gematol Transfuziol** 1984 Jun;29(6):28-32 (Eng. Abstr.) **(Rus)**

[Circulating inhibitor of erythropoiesis in patients with

acquired aplastic anemia] García Y, et al. **Sangre (Barc)** 1984;29(1):15–20 (Eng. Abstr.) **(Spa)**

[Selective red-cell aplasia. Report of 3 patients with studies of a circulating antibody against erythropoiesis] García Triana Y, et al. **Sangre (Barc)** 1983;28(4):421–8 (Eng. Abstr.) **(Spa)**

METABOLISM

Defective ultraviolet-induced DNA repair in bone marrow cells and peripheral lymphocytes of patients with refractory anemia with excess of blasts. Murthy PB, et al. **Jpn J Clin Oncol** 1984 Mar;14(1):87–91

Soluble factors in aplastic anemia with hemolymphopoietic activity. Nissen C, et al. **Prog Clin Biol Res** 1984;148:107–18 (10 ref.)

MICROBIOLOGY

Psoralen photoinactivation of herpes simplex virus: monoadduct and cross-link repair by xeroderma pigmentosum and Fanconi's anemia cells. Fendrick JL, et al. **J Invest Dermatol** 1984 Jul;83(1 Suppl):96s–101s

MORTALITY

Prognosis in acquired aplastic anemia. Hörmann A, et al. **Acta Haematol (Basel)** 1984;71(2):81–9

Cancer and aplastic anemia in British Columbia farmers. Gallagher RP, et al. **JNCI** 1984 Jun;72(6):1311–5

OCCURRENCE

[Aplastic anemia] Jensen UA, et al. **Ugeskr Laeger** 1983 Oct 17;145(42):3254–6 (Eng. Abstr.) **(Dan)**

[Bone marrow aplasia in the Barcelona area. Result of the 1st 2 years of follow-up] Carné X, et al. **Arch Farmacol Toxicol** 1983 Apr;9(1):115–20 **(Spa)**

[Preeminence of oncohematologic processes in hematology. Analysis of their incidence in 3 Spanish National Institute of Health hospitals] Loza J, et al. **Sangre (Barc)** 1983; 28(3):303–10 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Marked elliptocytosis and schistocytosis in hematopoietic dysplasia. Hartz JW, et al. **Am J Clin Pathol** 1984 Sep; 82(3):354–9

Major prognostic factors in RAEB [letter] Weisdorf DJ, et al. **Am J Clin Pathol** 1984 Apr;81(4):546

Dysmyelopoietic syndrome. Current concepts. Degnan T, et al. **Am J Med** 1984 Jan;76(1):122–8

Aplastic anemia terminating in hairy cell leukemia. A report of two cases. Krause JR. **Cancer** 1984 Apr 1;53(7):1533–7

Abnormal marrow fibroblasts in aplastic anemia. Juneja HS, et al. **Exp Hematol** 1984 May;12(4):221–30

Investigation of the cell cycle response of normal and Fanconi's anaemia fibroblasts to nitrogen mustard using flow cytometry. Dean SW, et al. **J Cell Sci** 1983 Nov; 64:265–79

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 31–1984. A three-year-old boy with fever, pancytopenia, and multisystem failure. **N Engl J Med** 1984 Aug 2; 311(5):314–22

Marrow stromal cells in acute non-lymphocytic leukemia and myelodysplastic syndromes. Hotta T. **Nippon Ketsueki Gakkai Zasshi** 1983 Dec;46(7):1612–9

Acute megakaryoblastic leukemia preceded by refractory anemia with an excess of blast cells: leukemic transformation in an infant of Down syndrome recovering from transient abnormal myelopoiesis. Yokoyama S, et al. **Nippon Ketsueki Gakkai Zasshi** 1984 Feb;47(1):62–70

Aplastic anemia in children. Widayat, et al. **Paediatr Indones** 1983 Sep–Oct;23(9–10):183–91

T-derived colony-inhibiting activity (Td/CIA) in aplastic anemia (SAA) and in normal donors. Bacigalupo A, et al. **Prog Clin Biol Res** 1984;148:173–83 (35 ref.)

Aplastic anemia and stem cell biology. Humphries RK, et al. **Prog Clin Biol Res** 1984;148:3–12 (46 ref.)

The effect of dexamethasone on the growth of bone marrow fibroblasts in aplastic anemia. Juneja HS, et al. **Prog Clin Biol Res** 1984;154:265–74

[Pathology of panmyelophthisis] Fischer R, et al. **Verh Dtsch Ges Pathol** 1983;67:286–306 (140 ref.) (Eng. Abstr.) **(Ger)**

[Erythroblastopenia in childhood] Knöpfle G, et al. **Verh Dtsch Ges Pathol** 1983;67:409–14 (Eng. Abstr.) **(Ger)**

[Colony-forming capacity of fibroblast precursor cells of the bone marrow in patients with various neutropenic conditions] Zaritskiĭ AIu, et al. **Ter Arkh** 1983;55(8):110–4 (Eng. Abstr.) **(Rus)**

[Cytogenetic and granulopoietic studies in myelodysplastic syndromes. Their correlation] Larripa I, et al. **Sangre (Barc)** 1983;28(4):429–38 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Aplastic anemia. Kessler JF. **Ariz Med** 1983 Dec; 40(12):845–8, 851

Ectopic bone marrow development in experimental busulfan-induced hypoplastic anemia in mice. Ideriha NM, et al. **Blut** 1984 May;48(5):277–84

'Myelophrenia': its contribution to the management of aplastic anemia. Nathan DG. **Prog Clin Biol Res** 1984; 148:xxi–xxx (50 ref.)

THERAPY

Bone marrow transplantation in pediatrics. Krivit W, et al. **Adv Pediatr** 1983;30:549–93 (138 ref.)

Improved response of patients refractory to random-donor platelet transfusions by intravenous gamma globulin. Kekomäki R, et al. **Am J Med** 1984 Mar 30;76(3A):199–203

Prophylaxis of infection in patients with aplastic anemia receiving allogeneic marrow transplants. Navari RM, et al. **Am J Med** 1984 Apr;76(4):564–72

Successful second bone marrow transplantation in a patient with myositis ossificans progressiva and aplastic anemia. Spruce WE, et al. **Am J Pediatr Hematol Oncol** 1983 Winter;5(4):337–40

Bone marrow transplantation. II. Use for aplastic anemia, hereditary diseases, and hemoglobinopathies. Spruce WE. **Am J Pediatr Hematol Oncol** 1983 Fall;5(3):295–300 (57 ref.)

Long-term survival after marrow transplantation for paroxysmal nocturnal hemoglobinuria with aplastic anemia. Szer J, et al. **Ann Intern Med** 1984 Aug;101(2):193–5

An introduction to clinical decision analysis: bone marrow transplantation for aplastic anemia. Buchanan JG. **Aust NZ J Med** 1983 Oct;13(5):451–6

Current management of aplastic anemia. Nicholls MD, et al. **Aust NZ J Med** 1984 Apr;14(2):97–9

Bone marrow graft versus ALG in patients with aplastic anaemia. Speck B, et al. **Biomed Pharmacother** 1983; 37(3):139–43

Studies on pure red cell aplasia. XI. Results of immunosuppressive treatment of 37 patients. Clark DA, et al. **Blood** 1984 Feb;63(2):277–86

Therapy of severe aplastic anemia with anti-human thymocyte globulin and androgens: the effect of HLA-haploidentical marrow infusion. Doney K, et al. **Blood** 1984 Feb;63(2):342–8

Antithoracic duct lymphocyte globulin [letter] O'Reilly RJ, et al. **Blood** 1983 Dec;62(6):1304

Correlation of two in vitro tests with clinical response to immunosuppressive therapy in 54 patients with severe aplastic anemia. Torok-Storb B, et al. **Blood** 1984 Feb; 63(2):349–55

Bone marrow transplantation from identical twins in the treatment of aplastic anaemia: implication for the pathogenesis of the disease. Champlin RE, et al. **Br J Haematol** 1984 Mar;56(3):455–63

Treatment of pure red cell aplasia by high dose intravenous immunoglobulins [letter] Clauvel JP, et al. **Br J Haematol** 1983 Oct;55(2):380–2

Factors influencing platelet survival during antilymphocyte globulin treatment. Gratama JW, et al. **Br J Haematol** 1984 May;57(1):5–15

Is antilymphocytic globulin a better immunosuppressant than cyclophosphamide for pure red cell aplasia? [letter] Marmont A. **Br J Haematol** 1984 Apr;56(4):680–2

Factors associated with graft rejection after HLA-identical marrow transplantation for aplastic anaemia. Storb R, et al. **Br J Haematol** 1983 Dec;55(4):573–85

Testicular function following bone marrow transplantation performed during or after puberty. Sklar CA, et al. **Cancer** 1984 Apr 1;53(7):1498–501

Allogeneic marrow transplantation. Sullivan KM, et al. **Cancer Invest** 1984;2(1):27–38 (123 ref.)

Application of bone marrow transplantation in leukaemia and aplastic anaemia. Storb R, et al. **Clin Haematol** 1983 Oct; 12(3):721–37 (103 ref.)

Report from the International Bone Marrow Transplant Registry (IBMTR), 1983. **Exp Hematol** 1984 Mar; 12(3):199–204

Parenteral nutrition in marrow transplant recipients after discharge from the hospital. Lenssen P, et al. **Exp Hematol** 1983 Nov;11(10):974–81

Treatment of severe aplastic anemia with sequential immunosuppression. Marmont AM, et al. **Exp Hematol** 1983 Oct;11(9):856–65

Infections in a bone marrow transplant unit: analysis of 57 patients. Bacigalupo A, et al. **Haematologica (Pavia)** 1984 Jan–Feb;69(1):41–52

Complete remission of severe aplastic anaemia following treatment with anti-thymocyte globulin. Griffin M, et al. **Ir J Med Sci** 1983 Aug;152(8):313–5

Therapeutic applications of allogeneic BMT: aplastic anemia and the leukemias. Oblon DJ, et al. **J Fla Med Assoc** 1984 May;71(5):329–35 (132 ref.)

Pulmonary function in patients undergoing bone marrow transplantation. Serota FT, et al. **Med Pediatr Oncol** 1984; 12(2):137–43

Severe oral hemorrhage and sepsis following bone marrow transplant failure. Connolly SF, et al. **Oral Surg** 1983 Nov; 56(5):483–6

A controlled prospective trial of antithoracic duct lymphocyte globulin (ATDLG) for treatment of severe aplastic anemia. Camitta BM. **Prog Clin Biol Res** 1984; 148:239–47

Treatment of aplastic anemia: results with bone marrow transplantation, antithymocyte globulin, and a monoclonal anti-T cell antibody. Champlin R, et al. **Prog Clin Biol Res** 1984;148:227–38

Immunosuppressive therapy of severe aplastic anemia. Doney KC, et al. **Prog Clin Biol Res** 1984;148:259–70

Bone marrow transplantation in severe aplastic anemia using cyclophosphamide and thoracoabdominal irradiation. Gluckman E, et al. **Prog Clin Biol Res** 1984;148:325–33

Treatment of aplastic anemia. Gordon-Smith EC. **Prog Clin Biol Res** 1984;148:335–41 (20 ref.)

Treatment of severe aplastic anemia with high-dose methylprednisolone and antilymphocyte globulin. Marmont AM, et al. **Prog Clin Biol Res** 1984;148:271–87

Bone marrow transplantation for aplastic anemia. Ramsay NK, et al. **Prog Clin Biol Res** 1984;148:291–5 (21 ref.)

Bone marrow transplantation for severe aplastic anemia following preparation with cyclophosphamide and total lymphoid irradiation. Ramsay NK, et al. **Prog Clin Biol Res** 1984;148:315–24

Treatment of severe aplastic anemia: a prospective study of antilymphocyte globulin versus bone marrow transplantation. Speck B, et al. **Prog Clin Biol Res** 1984; 148:249–58

Marrow transplantation for severe aplastic anemia: the Seattle experience. Storb R, et al. **Prog Clin Biol Res** 1984; 148:297–313

Antithymocyte and antilymphocyte globulins: clinical trials and mechanism of action. Young N, et al. **Prog Clin Biol Res** 1984;148:221–6

Bone marrow transplantation for Fanconi anemia. Gluckman E, et al. **Semin Hematol** 1984 Jan;21(1):20–6 (36 ref.)

Immunosuppressive treatment of aplastic anemia as an alternative treatment for bone marrow transplantation. Gluckman E, et al. **Semin Hematol** 1984 Jan;21(1):11–9 (69 ref.)

Marrow transplantation for aplastic anemia. Storb R, et al. **Semin Hematol** 1984 Jan;21(1):27–35 (53 ref.)

Progress in bone marrow transplantation in man. Gale RP. **Surv Immunol Res** 1982;1(1):40–66 (156 ref.)

Bone marrow transplantation in malignant diseases and aplastic anemia. Zander AR, et al. **Tex Med** 1984 Jul; 80(7):40–2

Regression of androgen-related hepatic tumors in patients with Fanconi's anemia following marrow transplantation. Schmidt E, et al. **Transplantation** 1984 May;37(5):452–5

[Immunologic study in bone marrow transplantation. Results of the analysis of 3 cases] Májský A, et al. **Vnitr Lek** 1984 Feb;30(2):105–15 (Eng. Abstr.) **(Cze)**

[Bone marrow transplantation in the treatment of aplastic anemia and acute leukemia] Toivanen A. **Duodecim** 1983; 99(15):1010–8 (23 ref.) **(Fin)**

[Indications for bone marrow transplantation] Wulff JC, et al. **Med Welt** 1983 Oct 28;34(43):1195–9 (67 ref.) **(Ger)**

[Bone marrow transplantation in humans. V. Interstitial pneumonia] Izzi T, et al. **Recenti Prog Med** 1983 Aug; 74(8):959–67 **(Ita)**

[A case of post-hepatitic severe aplastic anemia treated with allogeneic bone marrow transplantation] Akao Y, et al. **Rinsho Ketsueki** 1984 May;25(5):685–91 (Eng. Abstr.) **(Jpn)**

[Hematopoietic changes following allogeneic bone marrow graft in idiopathic aplastic anemia] Kigasawa H, et al. **Rinsho Ketsueki** 1983 Nov;24(11):1539–43 (Eng. Abstr.) **(Jpn)**

[A case of aplastic anemia treated by allogeneic bone marrow transplantation using immunoadsorbent for major ABO incompatibility] Shinohara K, et al. **Rinsho Ketsueki** 1984 Apr;25(4):583–7 (Eng. Abstr.) **(Jpn)**

[A case of severe aplastic anemia successfully treated with allogeneic bone marrow transplantation] Toyoda Y, et al. **Rinsho Ketsueki** 1983 Dec;24(12):1691–8 (Eng. Abstr.) **(Jpn)**

[Immunosuppression or androgen therapy for aplastic anemia: a cooperative study] Urabe A, et al. **Rinsho Ketsueki** 1984 Apr;25(4):554–60 (Eng. Abstr.) **(Jpn)**

[Aplastic anemia – criteria of bone marrow transplantation] Reszczyński W. **Wiad Lek** 1983 May 15;36(10):849–52 (41 ref.) **(Pol)**

[Indications for using androgens in hypoplastic anemia] Fedorovskaia NA. **Gematol Transfuziol** 1984 Jun;29(6):6–10 (Eng. Abstr.) **(Rus)**

[Effectiveness of the treatment of severe aplastic anemia (splenectomy and immunosuppression)] Idel'son LI, et al. **Ter Arkh** 1984;56(6):93–8 (Eng. Abstr.) **(Rus)**

[Transplantation of bone marrow in the treatment of severe aplastic anemia] Labar B, et al. **Lijec Vjesn** 1984 Jun; 106(6):219–23 (Eng. Abstr.) **(Scr)**

[Acquired aplastic anemia in children. Therapy using androgens and antilymphocyte gamma globulin] Vilalta R, et al. **An Esp Pediatr** 1984 Feb 15;20(2):91–9 (Eng. Abstr.) **(Spa)**

[Acquired aplastic anemia in children. Analysis of 29 cases] Navarrete M, et al. **Bol Med Hosp Infant Mex** 1983 Nov; 40(11):645–9 (Eng. Abstr.) **(Spa)**

[Bone marrow transplant in aplastic anemia. Current status and review of the first allogeneic transplants in Mexico] Morales-Polanco MR, et al. **Gac Med Mex** 1984 Feb; 120(2):49–57 **(Spa)**

[Partially compatible allogenic bone marrow transplantation in a severe case of aplastic anemia] Morales Polanco MR, et al. **Rev Invest Clin** 1983 Apr–Jun;35(2):155–61 (Eng. Abstr.) **(Spa)**

URINE

The role of glycoprotein hormones in the regulation of hematopoiesis. Murphy MJ Jr, et al. **Nippon Ketsueki Gakkai Zasshi** 1983 Dec;46(7):1380–96

VETERINARY

Thyroid hormone therapy for anemia [letter] Cosenza SF. **J Am Vet Med Assoc** 1984 Feb 15;184(4):406

Serum erythropoietin changes in cats with feline leukemia virus-induced erythroid aplasia. Kociba GJ, et al. **Vet Pathol** 1983 Sep;20(5):548–52

[Bone marrow depression following estrogen therapy] Teske E, et al. **Tijdschr Diergeneeskd** 1984 May 1;109(9):357–60 (Eng. Abstr.) **(Dut)**

ANEMIA, COOLEY'S see **THALASSEMIA**

ANEMIA, DYSERYTHROPOIETIC, CONGENITAL see under **ANEMIA, HEMOLYTIC, CONGENITAL**

ANEMIA, ERYTHROBLASTIC see **THALASSEMIA**

ANEMIA, HEMOLYTIC

BLOOD

Red cell CDP (dCDP)-choline and P-choline in normal subjects and in certain hemolytic syndromes. Valentine WN, et al. **Am J Hematol** 1984 Jul;17(1):89–92

Mechanical membrane properties of human red blood cells and their change due to metabolic disturbance. Lerche D, et al. **Biomed Biochim Acta** 1983;42(11–12):S112–6

Erythrocyte enzymopathies, hemolytic anemia, and multisystem disease: an annotated review. Valentine WN, et al. **Blood** 1984 Sep;64(3):583–91

The quantification of C3 fragments on erythrocytes: estimation of C3 fragments on normal cells, acquired haemolytic anaemia cases and correlation with agglutination of sensitized cells. Merry AH, et al. **Clin Lab Haematol** 1983;5(4):387–97

Glycosylated hemoglobin as a long-term parameter in appraising the severity of hemolytic disease. Panzer S, et al. **Klin Wochenschr** 1983 Sep 1;61(17):839–43

Competing models for the analysis of red cell survival obtained with 51Cr labelling technique. Barosi G, et al. **Scand J Haematol** 1983 Oct;31(4):381–8

Investigation of the haemolytic effects of Ancylostoma ceylanicum: observations on infected dogs in vivo and human and dog blood in vitro. Carroll SM, et al. **Southeast Asian J Trop Med Public Health** 1984 Mar; 15(1):129–34

[Characteristics of erythrocyte metabolic disorders in children with acquired hemolytic anemia] Tabolin VA, et al. **Pediatriia** 1983 Aug;(8):32–3 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Fatal intravascular immune hemolysis induced by hydrochlorothiazide. Beck ML, et al. **Am J Clin Pathol** 1984 Jun;81(6):791–4

Drug-induced stomatocytosis and anemia during consolidation chemotherapy of childhood acute leukemia. Neville AJ, et al. **Am J Med Sci** 1984 Jan–Feb;287(1):3–7

Acute Heinz-body anemia due to severe cresol poisoning: successful treatment with erythrocytapheresis. Côté MA, et al. **Can Med Assoc J** 1984 May 15;130(10):1319–22

Hemolytic anemia and pancytopenia induced by cefoxitin. DeTorres OH. **Drug Intell Clin Pharm** 1983 Nov; 17(11):816–8

Microangiopathic hemolytic anemia, a frequent complication of mitomycin therapy in cancer patients. Bruntsch U, et al. **Eur J Cancer Clin Oncol** 1984 Jul;20(7):905–9

Heinz bodies, methemoglobinemia, and hemolytic anemia induced in rats by 3-amino-1-[m-(trifluoromethyl)phenyl]-2-pyrazoline. **Fort FL, et al. Fundam Appl Toxicol** 1984 Apr;4(2 Pt 1):216–20

Cimetidine-induced hemolytic anemia: the fallacy of clinical associations. Petz LD, et al. **J Clin Gastroenterol** 1983 Oct; 5(5):405–9

Proline induced hemolytic anemia in faciolíasis. Coffin JD, et al. **Proc Soc Exp Biol Med** 1984 Oct;177(1):92–6

Intravenous dimethylsulfoxide therapy causes severe hemolysis mimicking a hemolytic transfusion reaction [letter] Samoszuk M, et al. **Transfusion** 1983 Sep–Oct; 23(5):405

Acute hemolytic anemia associated with a chlorpropamide-induced apparent auto-anti-Jka. Sosler SD, et al. **Transfusion** 1984 May–Jun;24(3):206–9

[Nomifensine-induced hemolytic anemia] Pretorius ML. **S Afr Med J** 1984 May 5;65(18):713 **(Afr)**

[Arsin (AsH3) poisoning: hemolysis and kidney failure] Rogge H, et al. **Dtsch Med Wochenschr** 1983 Nov 11; 108(45):1720–5 (Eng. Abstr.) **(Ger)**

[Drug-induced hemolysis in patients with glucose-6-phosphate dehydrogenase deficiency] Grieger M. **Folia Haematol (Leipz)** 1983;110(5):692–703 (Eng. Abstr.) **(Ger)**

[Life threatening alveolitis and hemolysis following amiodarone] Hesselmann J, et al. **Med Welt** 1983 Aug 12; 34(31–32):858–62 **(Ger)**

[Effect of nitrate on erythrocytes in the rat in subchronic experiments] Clausing P, et al. **Z Gesamte Hyg** 1983 Dec; 29(12):711–4 (Eng. Abstr.) **(Ger)**

[Hemolytic anemia caused by infusion of factor VIII concentrates—a case report of hemophilia A with intracranial hemorrhage] Fukazawa K, et al. **Rinsho Ketsueki** 1983 Jul;24(7):892–6 (Eng. Abstr.) **(Jpn)**

[A case of hemolytic anemia due to phenacetin abuse] Shibuya T, et al. **Rinsho Ketsueki** 1984 May;25(5):692–8 (Eng. Abstr.) **(Jpn)**

[Erythrocyte glucosephosphate dehydrogenase deficiency as a factor in a drug-induced hemolytic crisis in a patient of Asiatic origin] Jabłońska-Skwiecińska E, et al. **Pol Tyg Lek** 1983 Sep 19;38(38):1181–4 (Eng. Abstr.) **(Pol)**

[Hemolytic anemias induced by drugs] Durán-Suárez JR. **Med Clin (Barc)** 1984 May 12;82(18):816–21 (102 ref.) **(Spa)**

COMPLICATIONS

Hemolytic disease [letter] Ozsoylu S. **Am J Dis Child** 1983 Nov;137(11):1131

Unexplained hemolytic anemia associated with pregnancy [letter] Campbell WA, et al. **Am J Obstet Gynecol** 1984 Jul 1;149(5):587

Aplastic crises in haemolytic anaemias: the role of a parvovirus-like agent. Davis LR. **Br J Haematol** 1983 Nov; 55(3):391–3 (24 ref.)

Northern infant syndrome: a deficiency state? Godel JC, et al. **Can Med Assoc J** 1984 Aug 1;131(3):199–204

Hemolytic anemia with pyruvate kinase deficiency presenting as paravertebral myelolipoma. Schön HR, et al. **Klin Wochenschr** 1984 Feb 1;62(3):133–7

Acquired hypogammaglobulinaemia and sarcoidosis. Lee CA. **Postgrad Med J** 1984 Aug;60(706):551–3

First parvovirus linked to human disease. Marx JL. **Science** 1984 Jan 13;223(4632):152–3

Hemolytic disease of the newborn due to alloimmunization as a consequence of multiple transfusions and a delayed hemolytic transfusion reaction in the mother. Kanra T, et al. **Turk J Pediatr** 1983 Apr–Jun;25(2):129–33

[Reversible acquired acanthocytosis and hemolytic anemia associated with hypobetalipoproteinemia in a chronic alcoholic] Beris P, et al. **Schweiz Med Wochenschr** 1983 Oct 8;113(40):1473–5 (Eng. Abstr.) **(Fre)**

[Microangiopathic hemolytic anemia in metastasized adenocarcinoma of the cardia] Brinch L, et al. **Tidsskr Nor Laegeforen** 1984 Apr 10;104(10–11):739–41 (Eng. Abstr.) **(Nor)**

DIAGNOSIS

Preeclampsia. Ogle ME, et al. **Ann Emerg Med** 1984 May; 13(5):368–70

[Diagnostic approach to the hemolytic anemias] Andrey C. **Praxis** 1983 Aug 23;72(34):1097–100 **(Fre)**

[Is there no value in the fractionation of serum bilirubin?] Müller-Plathe O. **Dtsch Med Wochenschr** 1984 Jun 29; 109(26):1048 **(Ger)**

[Differential diagnosis at the bedside. Tumor anemia or microangiopathic hemolytic anemia?] Holzgreve H, et al. **MMW** 1983 Sep 16;125(37):101–2 **(Ger)**

DRUG THERAPY

Altered lipoprotein metabolism in spontaneous vitamin E deficiency of owl monkeys. Meydani SN, et al. **Am J Clin Nutr** 1983 Dec;38(6):888–94

Flunarizine treatment for spur cell anaemia. Fossaluzza V, et al. **Br J Haematol** 1983 Dec;55(4):715–7

ENZYMOLOGY

Biochemical study of a case of hemolytic anemia with increased (85-fold) red cell adenosine deaminase. Pérignon JL, et al. **Adv Exp Med Biol** 1984;165 Pt A:355–8

Phosphoglycerate kinase abnormalities: functional, structural and genomic aspects. Yoshida A, et al. **Biomed Biochim Acta** 1983;42(11–12):S263–7

Glucose-6-phosphate isomerase deficiency-Nahariya: extreme in vitro and in vivo lability of the mutant enzyme. Rijksen G, et al. **Isr J Med Sci** 1984 Jun;20(6):529–34

[Hemolytic anemia in infections caused by neuraminidase-producing bacteria] Klein PJ, et al. **Verh Dtsch Ges Pathol** 1983;67:415–8 (Eng. Abstr.) **(Ger)**

[Deficiency of triosephosphate isomerase. Apropos of 2 new cases] Delso Martínez MC, et al. **An Esp Pediatr** 1983 Aug; 19(2):123–7 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Wear of the metallic studs on the composite seat of the 2320 Starr-Edwards aortic valve and its clinical consequences. Warnes CA, et al. **Am J Cardiol** 1983 Nov 1;52(8):1062–5

Spider bite hemolytic anemia: positive Coombs' test, erythrophagocytosis, and leukoerythroblastic smear. Eichner ER. **Am J Clin Pathol** 1984 May;81(5):683–7

Necrotizing enterocolitis and hemolysis associated with Clostridium perfringens. Warren S, et al. **Am J Dis Child** 1984 Jul;138(7):686–8

RBC fragmentation and thymoma. Rauch AE, et al. **Arch Intern Med** 1984 Jun;144(6):1280–2

Myotoxic paralysis and hemolytic anemia due to king brown snake bite [letter] Campbell CH. **Aust NZ J Med** 1984 Apr; 14(2):169

Diabetic ketoacidosis does not precipitate haemolysis in patients with the Mediterranean variant of glucose-6-phosphate dehydrogenase deficiency. Shalev O, et al. **Br Med J [Clin Res]** 1984 Jan 21;288(6412):179–80

Acute intravascular hemolysis due to accidental formalin intoxication during hemodialysis. Pun KK, et al. **Clin Nephrol** 1984 Mar;21(3):188–90

Clostridium liver abscess and massive hemolysis. Unique demise in Fanconi's aplastic anemia. Mera CL, et al. **Clin Pediatr (Phila)** 1984 Feb;23(2):126–7

Anaemia and menstrual blood loss studies in women using multiload Cu250 and progestasert IUDs. Goh TH, et al. **Contraception** 1984 Apr;29(4):359–66

Hemolytic anemia as a complication of acute viral hepatitis in glucose-6-phosphate dehydrogenase-deficient and healthy individuals. Eliakim R, et al. **Isr J Med Sci** 1983 Dec;19(12):1107–9

Hemolytic anemia during the course of viral hepatitis [letter] Mehta BC. **J Assoc Physicians India** 1983 Jan;31(1):57–8

Intravascular hemolysis secondary to irrigation fluid absorption during an internal urethrotomy. Lavie CJ, et al. **J La State Med Soc** 1984 Mar;136(3):14–6

Haemolytic anaemia in previously healthy adult patients with CMV infections: report of two cases and an evaluation of subclinical haemolysis in CMV mononucleosis. Horwitz CA, et al. **Scand J Haematol** 1984 Jul;33(1):35–42

Improved red cell survival in patients with chronic subclinical haemolysis due to artificial heart valve. Observations after in vitro treatment of the cells with potassium cyanate. Roberts D, et al. **Scand J Thorac Cardiovasc Surg** 1984;18(2):115–8

Transfusion of frozen erythrocytes from a donor with sickle trait. Kelleher JF Jr, et al. **Transfusion** 1984 Mar–Apr; 24(2):167–8

[Infectious hepatitis, acute hemolysis and glucose-6-phosphate dehydrogenase deficiency] Peyramond D, et al. **Ann Med Interne (Paris)** 1983; 134(7):659–62 (Eng. Abstr.) **(Fre)**

[Malarial hemolysis and renal insufficiency] Leniaud P, et al. **Med Trop (Mars)** 1983 Jul–Aug;43(4):361–5 (Eng. Abstr.) **(Fre)**

[Consumption coagulopathy and microangiopathic hemolytic anemia in a patient with splenic hemangioma and then peritoneal splenosis (letter)] Adoue D, et al. **Presse Med** 1984 Mar 24;13(12):740 **(Fre)**

[Acute hemolysis and liver cirrhosis as leading symptoms of Wilson's disease in childhood] Grümayer ER, et al. **Klin Padiatr** 1983 Sep–Oct;195(5):355–7 (Eng. Abstr.) **(Ger)**

[Zieve's syndrome in chronic alcoholic hepatitis. Report of 6 cases] Mancinella A, et al. **Clin Ter** 1984 Feb 15; 108(3):237–44 (Eng. Abstr.) **(Ita)**

[Hereditary spherocytosis: a case of high familial incidence] Rolando P, et al. **Pediatria (Napoli)** 1983 Jun–Sep; 91(2–3):303–10 (Eng. Abstr.) **(Ita)**

[Hemolytic transfusion reactions] Molaro G. **Ric Clin Lab** 1984;14 Suppl 1:75–82 **(Ita)**

[Chronic hemolysis following aortic valve replacement: comparison of Starr-Edwards ball valve and Björk-Shiley valve] Oka Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Jul;31(7):1041–8 (Eng. Abstr.) **(Jpn)**

[Hemolytic anemia following open mitral commissurotomy] Okamoto H, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Oct;31(10):1568–75 (Eng. Abstr.) **(Jpn)**

[A case of primary biliary cirrhosis associated with hemolytic anemia] Mizuno S, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 May;81(5):1264–8 **(Jpn)**

[Carcinomatosis associated with microangiopathic hemolytic anemia and disseminated intravascular coagulation: 12 years after gastrectomy for gastric adenocarcinoma] Takeuchi R, et al. **Rinsho Ketsueki** 1983 Oct;24(10):1423–9 (Eng. Abstr.) **(Jpn)**

[Intravascular hemolysis after operation for a partial atrioventricular canal] Czołpiński T, et al. **Kardiol Pol** 1983; 26(6):483–93 (Eng. Abstr.) **(Pol)**

[New variant of erythrocyte glucose-6-phosphate dehydrogenase: Gd São Paulo] Barretto OC. **Rev Hosp Clin Fac Med Sao Paulo** 1983 Dec;38(6):247–8 (Eng. Abstr.) **(Por)**

[Microangiopathic hemolytic anemia in patients with chronic renal insufficiency] Ursea N, et al. **Rev Med Interna [Med Interna]** 1983 Nov–Dec; 35(6):527–36 (Eng. Abstr.) **(Rum)**

[Intravascular erythrocyte hemolysis following surgical correction of heart defects in children and adolescents] Serbin VI, et al. **Pediatriia** 1983 Aug;(8):36–9 (Eng. Abstr.) **(Rus)**

[Severe complications caused by multiple bee stings (letter)] Bouza C, et al. **Med Clin (Barc)** 1984 Jun 9;83(2):88 **(Spa)**

[Acute hemolytic anemia in a case of Wilson's disease without other symptoms (letter)] Ribera Pascuet E, et al. **Med Clin (Barc)** 1983 May 14;80(17):772–3 **(Spa)**

[Autoimmune anemia and thrombopenia in mixed connective tissue disease] Talesnik E, et al. **Rev Chil Pediatr** 1983 Mar–Apr;54(2):101–4 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Erythrocytic pyruvate kinase deficiency and hemolytic anemia inherited as a dominant trait. Etiemble J, et al. **Am J Hematol** 1984 Oct;17(3):251–60

Spectrin deficient inherited hemolytic anemias in the mouse: characterization by spectrin synthesis and mRNA activity in reticulocytes. Bodine DM 4th, et al. **Cell** 1984 Jul; 37(3):721–9

G-6-PD Bangkok: clinical follow up and family study. Talalak P. **J Med Assoc Thai** 1983 Aug;66(8):429–34
Red cell membrane diseases and blood group abnormalities. Cartron JP, et al. **Rev Fr Transfus Immunohematol** 1983 Dec;26(6):599–623 (31 ref.)
[Erythrocyte pyruvate kinase deficiency: hemolytic anemia in a heterozygote] Ortega JJ, et al. **Sangre (Barc)** 1983; 28(3):360–2 **(Spa)**

IMMUNOLOGY

Immunoregulatory abnormalities in Evans syndrome. Wang W, et al. **Am J Hematol** 1983 Dec;15(4):381–90
Reticuloendothelial cell function in alpha-methyldopa-induced hemolytic anemia. Branch DR, et al. **Vox Sang** 1983;45(4):278–87

METABOLISM

Mitochondria, hemosomes and hemoglobin biosynthesis. Brunner A Jr, et al. **Cell Tissue Res** 1983;233(1):215–25
Red cell membrane skeletal defects in hereditary and acquired hemolytic anemias. Palek J, et al. **Semin Hematol** 1983 Jul;20(3):189–224 (224 ref.)

MICROBIOLOGY

Characterization of the genome of the agent of erythrocyte aplasia permits its classification as a human parvovirus. Summers J, et al. **J Gen Virol** 1983 Nov;64 (Pt 11):2527–32

PATHOLOGY

Q fever and hemolytic anemia. Cardellach F, et al. **J Infect Dis** 1983 Oct;148(4):769
[Typhoid fever complicated by infectious toxic shock, severe hemolytic crisis and secondary anemia] Shamov IuA, et al. **Klin Med (Mosk)** 1984 Feb;62(2):124–5 **(Rus)**

PHYSIOPATHOLOGY

[Disorders of the heart contractile function in chronic hemolytic anemia and their prevention] Meerson FZ, et al. **Biull Eksp Biol Med** 1984 Jan;97(1):19–22 (Eng. Abstr.) **(Rus)**
[Effect of chronic hemolytic anemia on myocardial contraction and increase of the resistance of the heart to hypoxia] Meerson FZ, et al. **Patol Fiziol Eksp Ter** 1983 Sep–Oct;(5):25–9 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Granular activated carbon usage in chloramine removal from dialysis water. Meyer MA, et al. **Artif Organs** 1983 Nov; 7(4):484–7
Good laboratory practice before blood transfusion. Moore BP. **Can Med Assoc J** 1984 Jun 1;130(11):1421–3

VETERINARY

Propylthiouracil-associated hemolytic anemia, thrombocytopenia, and antinuclear antibodies in cats with hyperthyroidism. Peterson ME, et al. **J Am Vet Med Assoc** 1984 Apr 1;184(7):806–8
Selenium deficiency in cattle associated with Heinz bodies and anemia. Morris JG, et al. **Science** 1984 Feb 3; 223(4635):491–3

ANEMIA, HEMOLYTIC, ACQUIRED see **ANEMIA, HEMOLYTIC**

ANEMIA, HEMOLYTIC, AUTOIMMUNE

[Clinical and laboratory study of 30 cases of autoimmune hemolytic anemia] Sztejnhaus AR, et al. **AMB** 1984 Jan–Feb;30(1–2):26–9 (Eng. Abstr.) **(Por)**

BLOOD

Erythrocyte sensitization with monomeric IgM in a patient with hemolytic anemia. Szymanski IO, et al. **Am J Hematol** 1984 Jul;17(1):71–7
Autoimmune haemolytic anaemia and aplastic crisis [letter] Celada A. **Br J Haematol** 1984 May;57(1):178–90
The quantification of C3 fragments on erythrocytes: estimation of C3 fragments on normal cells, acquired haemolytic anaemia cases and correlation with agglutination of sensitized cells. Merry AH, et al. **Clin Lab Haematol** 1983;5(4):387–97
Late appearance of autoantibody-anti S in autoimmune hemolytic anemia [letter] Alessandrino EM, et al. **Transfusion** 1984 Jul–Aug;24(4):369–70
[Acid-base equilibrium in the blood of patients with various diseases of the blood system in relation to surgery and general anesthesia] Moroz VA, et al. **Ter Arkh** 1983; 55(8):85–8 **(Rus)**

CHEMICALLY INDUCED

Acute multisystem toxicity associated with the use of nonsteroidal anti-inflammatory drugs. Patmas MA, et al. **Arch Intern Med** 1984 Mar;144(3):519–21
Positive direct antiglobulin tests and immune hemolytic anemia in patients receiving procainamide. Kleinman S, et al. **N Engl J Med** 1984 Sep 27;311(13):809–12
ABO-autoimmune hemolytic anemia in a renal transplant patient treated with cyclosporin. A case report. Nyberg G, et al. **Transplantation** 1984 May;37(5):529–30
[Immunohematologic studies on the correlations between (+)-cyanidanol-3-(catergen) therapy and hemolytic anemia] Pausch V, et al. **Wien Med Wochenschr** 1983 Nov 15;133(21):559–65 (Eng. Abstr.) **(Ger)**
[A case of multiple cerebral infarction caused by methyldopa induced hemolytic anemia] Uetsuka Y, et al. **Rinsho Ketsueki** 1984 Mar;25(3):399–404 (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

Autoimmune haemolytic anaemia associated with bone marrow sarcoidosis. Desablens B, et al. **Acta Haematol (Basel)** 1984;71(3):204–6
Cardiac surgery in patients with cold autoimmune diseases. Diaz JH, et al. **Anesth Analg** 1984 Mar;63(3):349–52
Bilateral ureteral obstruction due to uric acid stones in association with immune hemolytic anemia. Schroder LE, et al. **Arch Intern Med** 1983 May;143(5):1020–1
Primary biliary cirrhosis. A patient with adverse reactions to tiopronin and autoimmune hemolytic anemia with reticulocytopenia. Shichiri M, et al. **Arch Intern Med** 1984 Jan;144(1):89–91
Ulcerative colitis, autoimmune hemolytic anemia and rectovaginal fistula: report of a case. Mearin F, et al. **Arq Gastroenterol** 1983 Jul–Sep;20(3):108–11
Autoimmune haemolytic anaemia occurring in a patient with mycosis fungoides. White SI, et al. **Br J Dermatol** 1984 Apr;110(4):495–7
Acute myeloblastic leukaemia and autoimmune haemolytic anaemia. Mangal AK, et al. **Clin Lab Haematol** 1984; 6(1):89–91
Acrocyanosis of cold agglutinin disease successfully treated with antibiotics. Shelley WB, et al. **Cutis** 1984 Jun; 33(6):556–7
Prolonged reticulocytopenia and transient erythroid hypoplasia in a child with autoimmune haemolytic anaemia. Carapella de Luca E, et al. **Haematologica (Pavia)** 1984 May–Jun;69(3):315–20
Acute myeloid leukemia with preceding systemic lupus erythematosus and autoimmune hemolytic anemia. Tsunematsu Y, et al. **Jpn J Clin Oncol** 1984 Mar; 14(1):107–13
Coombs negative autoimmune hemolytic anemia associated with diffuse livedo reticularis. Donovan DC, et al. **Md State Med J** 1983 Nov;32(11):846–8
Autoimmune hemolytic anemia associated with an ovarian neoplasm. Carreras Vescio LA, et al. **Medicina (B Aires)** 1983;43(4):415–24
Autoimmune hemolytic anemia and gastric cancer: case report and review of the literature. Inoue Y, et al. **Nippon Ketsueki Gakkai Zasshi** 1983 Jul;46(4):836–41 (18 ref.)
Marrow failure with sideroblasts in an autoimmune haemolytic crisis. Allison MC, et al. **Postgrad Med J** 1984 Aug;60(706):554–5
Cold agglutinin syndrome and hemophagocytosis in systemic leishmaniasis. Kokkini G, et al. **Scand J Haematol** 1984 Apr;32(4):441–5
[Multiple vascular thromboses in severe acute autoimmune hemolytic anemia with Mycoplasma pneumoniae serology treated by plasma exchange and immunosuppressive agents] Frappaz D, et al. **Pediatrie** 1983 Sep;38(6):411–9 (Eng. Abstr.) **(Fre)**
[Autoimmune disease preceding lymphoma by 10 years] Reshef A, et al. **Harefuah** 1983 Apr 1;104(7):280–2 (Eng. Abstr.) **(Heb)**
[Case of autoimmune hemolytic anemia with subsequent development of lymphoma 7 years later] Hirosawa S, et al. **Nippon Naika Gakkai Zasshi** 1983 Sep;72(9):1171–6 **(Jpn)**
[Case of ovarian non-Hodgkin's lymphoma with autoimmune hemolytic anemia and cerebral infarction] Kudo H, et al. **Nippon Naika Gakkai Zasshi** 1983 Jul;72(7):908–13 **(Jpn)**
[A case of idiopathic autoimmune hemolytic anemia associated with benign intracranial hypertension] Masumoto A, et al. **Rinsho Ketsueki** 1984 Apr;25(4):575–82 (Eng. Abstr.) **(Jpn)**
[A case of warm-type autoimmune hemolytic anemia with thrombocytosis and cerebral infarction] Nakamaki T, et al. **Rinsho Ketsueki** 1984 May;25(5):655–9 (Eng. Abstr.) **(Jpn)**
[A case of chronic cold agglutinin disease followed by lymphoproliferative disease with IgM monoclonal gammopathy] Takai K, et al. **Rinsho Ketsueki** 1983 Dec; 24(12):1663–9 (Eng. Abstr.) **(Jpn)**
[Detection of the onset of the CID syndrome in autoimmune hemolytic anemia (AIHA)] Enache F, et al. **Rev Med Interna [Med Interna]** 1984 Jan–Feb;36(1):73–6 **(Rum)**
[Autoimmune hemolytic anemia and idiopathic thrombocytopenic purpura preceding a mixed connective tissue disease (letter)] Richart C, et al. **Med Clin (Barc)** 1983 Sep 24;81(8):370 **(Spa)**
[Mature T-cell lymphoma-leukemia. Clinical and immunologic description of a case in Central America] Elizondo J, et al. **Sangre (Barc)** 1984;29(2):206–10 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Pyrexia, abdominal pain and splenomegaly. Mehta BC. **J Assoc Physicians India** 1983 Jan;31(1):45–6
[Is there a NZB syndrome in the human?] Noël C, et al. **Praxis** 1983 Sep 6;72(36):1157–61 (Eng. Abstr.) **(Fre)**
[A case of cold agglutinin disease] Bober-Dumańska J. **Wiad Lek** 1983 Dec 1;36(23):1969–72 (Eng. Abstr.) **(Pol)**
[Features of the course of immune hemolytic anemias in young children and principles for treating them] Kalashnikova GV, et al. **Pediatriia** 1983 Sep;(9):41–4 **(Rus)**

DRUG THERAPY

Suppression of post-apheresis autoantibody rebound in cryoglobulinemia and cold agglutinin hemolytic anemia. L'Abbate A, et al. **Int J Artif Organs** 1983 Jul;6 Suppl 1:51–6
Effective 'pulse' methylprednisolone therapy in a case of autoimmune hemolytic anemia associated with systemic lupus erythematosus. Takaue Y, et al. **Nippon Ketsueki Gakkai Zasshi** 1983 Jul;46(4):989–92
[New approaches to the treatment of autoimmune hemolytic anemia] Tsunematsu T, et al. **Rinsho Ketsueki** 1983 Sep; 24(9):1198–202 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Autoimmune neutropenia, hemolytic anemia, and reticulocytopenia in Hodgkin's disease. Weitberg AB, et al. **Ann Intern Med** 1984 May;100(5):702–3
Multiple autoimmune manifestations in a splenectomized subject with HLA-B8. Kleiner-Baumgarten A, et al. **Arch Intern Med** 1983 Oct;143(10):1987–9
Idiopathic pulmonary haemosiderosis with autoimmune haemolytic anaemia. Rafferty JR, et al. **Br J Dis Chest** 1984 Jul;78(3):282–5
Acquired hemolytic anemia due to 'auto'-anti-A or 'auto'-anti-B induced by group O homograft in renal transplant recipients. Mangal AK, et al. **Transfusion** 1984 May–Jun;24(3):201–5
A case of autoimmune hemolytic anemia following thrombocytopenia. Gürgey A, et al. **Turk J Pediatr** 1983 Jan–Mar;25(1):63–7
[Autoimmune hemolytic anemia caused by a dermoid cyst of the ovary] Wassenaar H, et al. **Ned Tijdschr Geneeskd** 1984 Jan 21;128(3):113–7 (Eng. Abstr.) **(Dut)**
[Autoimmune hemolytic anemia and Hodgkin's disease] Martin-Dupont P, et al. **Sem Hop Paris** 1984 Feb 16; 60(8):534–7 (Eng. Abstr.) **(Fre)**
[Etiological analysis of autoimmune hemolytic anemia] Matsuhashi N. **Rinsho Ketsueki** 1983 Sep;24(9):1150–1 **(Jpn)**
[Role of immunologic reactions in the development, prevention and treatment of postoperative anemia] Dmitrieva VA, et al. **Vestn Khir** 1983 Dec;131(12):91–7 (Eng. Abstr.) **(Rus)**
[Spondylarthritis ankylopoietica and autoimmune hemolytic anemia (letter)] Ribera JM, et al. **Med Clin (Barc)** 1983 May 21;80(18):815–6 **(Spa)**
[Ulcerative colitis associated with autoimmune hemolytic anemia, arterial thrombosis and dermal necrosis] Raya Muñoz J, et al. **Rev Esp Enferm Apar Dig** 1983 Nov; 64(5):435–40 (Eng. Abstr.) **(Spa)**

HISTORY

First tests with anti-human globulin on the red cells of patients suffering from haemolytic anaemia. Dodd BE. **Vox Sang** 1984;46(3):183–4

IMMUNOLOGY

Paroxysmal cold haemoglobinuria. The most frequent acute autoimmune haemolytic anaemia in children? Nordhagen R, et al. **Acta Paediatr Scand** 1984 Mar;73(2):258–62
T cell subpopulations defined by monoclonal antibodies in autoimmune hemolytic anemia. Phan-Dinh-Tuy F, et al. **Biomed Pharmacother** 1983;37(2):75–80
Increased efficiency of binding of nascent C3b to the erythrocytes of chronic cold agglutinin disease. Parker CJ, et al. **J Clin Invest** 1984 Sep;74(3):1050–62
Immune haemolytic anaemia associated with ampicillin dependent warm antibodies and high titre cold agglutinins in a patient with Mycoplasma pneumonia. Mickley H, et al. **Scand J Haematol** 1984 Mar;32(3):323–6
Use of monoclonal anti-C3 antibodies to characterise the fragments of C3 that are found on erythrocytes. Lachmann PJ, et al. **Vox Sang** 1983;45(5):367–72
Simultaneous occurrence of anti-F1 and anti-I cold agglutinins in a patient's serum. Roelcke D, et al. **Vox Sang** 1984;47(2):122–4
[Immuno-hemolysis and immuno-thrombocytopenia in Hodgkin's disease] Bozóky G, et al. **Orv Hetil** 1984 Jan 15;125(3):153–6 (Eng. Abstr.) **(Hun)**
[Electron microscopic observation of the hemolytic process of the spleen] Matsumoto N, et al. **Rinsho Ketsueki** 1983 Sep;24(9):1192–7 (Eng. Abstr.) **(Jpn)**
[Genetic studies of anti-erythrocyte autoantibody production] Ozaki S, et al. **Rinsho Ketsueki** 1983 Sep; 24(9):1152–60 (Eng. Abstr.) **(Jpn)**
[Hemolytic mechanisms in autoimmune hemolytic anemia:

the role of macrophage] Suzuki S, et al. **Rinsho Ketsueki** 1983 Sep;24(9):1184–91 (Eng. Abstr.) **(Jpn)**

[Immunological analysis of cold agglutinin in hemolytic anemia associated with mycoplasma pneumonia] Toyama K, et al. **Rinsho Ketsueki** 1983 Sep;24(9):1166–72 (Eng. Abstr.) **(Jpn)**

[Analysis of anti-erythrocyte autoantibodies in autoimmune hemolytic anemia, with special reference to quantitative analysis of erythrocyte-bound immunoglobulin by beta-galactosidase-labeled immunoenzyme technic] Yamada H, et al. **Rinsho Ketsueki** 1983 Sep;24(9):1173–83 (Eng. Abstr.) **(Jpn)**

[Immunological status and therapeutic use of levamisole in autoimmune hemolytic anemia] Krylov AA, et al. **Ter Arkh** 1983;55(8):71–5 (Eng. Abstr.) **(Rus)**

[Autoimmune hemolytic anemia. Study of 50 cases] Carboni L, et al. **Sangre (Barc)** 1983;28(6):673–81 (Eng. Abstr.) **(Spa)**

[Autoimmune hemolytic anemia with immunoglobulin changes (letter)] Gutiérrez de Guzmán FJ. **Sangre (Barc)** 1983;28(4):530 **(Spa)**

PHYSIOPATHOLOGY

Cold hemagglutination pathophysiology. Evaluation and management of patients undergoing cardiac surgery with induced hypothermia. Diaz JH, et al. **Arch Intern Med** 1984 Aug;144(8):1639–41

PREVENTION & CONTROL

Protection against hemolysis in ABO mismatched renal transplantation. Mangal AK, et al. **Transfusion** 1984 Jul–Aug;24(4):362–4

THERAPY

Autoimmune haemolytic anaemia treated with multiple transfusions, immunosuppressive therapy, plasma exchange, and desferrioxamine. Andersen O, et al. **Acta Paediatr Scand** 1984 Jan;73(1):145–8

IgG therapy in autoimmune haemolytic anaemia of warm type. Salama A, et al. **Blut** 1984 Jun;48(6):391–2

Transfusion support in the management of immune haemolytic disorders. Plapp FV, et al. **Clin Haematol** 1984 Feb;13(1):167–83 (22 ref.)

Transfusing the patient with autoimmune hemolytic anemia. Petz LD. **Clin Lab Med** 1982 Mar;2(1):193–210

Successful treatment of refractory autoimmune haemolytic anaemia by plasmapheresis. Kutti J, et al. **Scand J Haematol** 1984 Feb;32(2):149–52

[Splenectomy in patients with idiopathic thrombocytopenic purpura and autoimmune hemolytic anemia] Tang DJ. **Chung Hua Nei Ko Tsa Chih** 1983 Oct;22(10):626–8 (Eng. Abstr.) **(Chi)**

[Use of high-dose intravenous gamma globulins in the treatment of autoimmune hemolytic anemia (letter)] Bussel A, et al. **Presse Med** 1983 Nov 17;12(41):2628 **(Fre)**

[Therapy of autoimmune hemolytic anemia: current status and problems] Omine M, et al. **Rinsho Ketsueki** 1983 Sep; 24(9):1203–13 (Eng. Abstr.) **(Jpn)**

VETERINARY

Use of a microtiter Coombs' test for study of age, gender, and breed distributions in immunohemolytic anemia of the dog. Jacobs RM, et al. **J Am Vet Med Assoc** 1984 Jul 1; 185(1):66–9

Lymphosarcoma and associated immune-mediated hemolytic anemia and thrombocytopenia in horses. Reef VB, et al. **J Am Vet Med Assoc** 1984 Feb 1;184(3):313–7

Intercurrent hypothyroidism, autoimmune anemia, and a coagulation deficiency (von Willebrand's disease) in a dog. Romatowski J. **J Am Vet Med Assoc** 1984 Aug 1; 185(3):309–10

The canine antiglobulin test. Jones DR. **Med Lab Sci** 1984 Jan;41(1):63–5

Erythrocyte volume distribution analysis and hematologic changes in two horses with immune-mediated hemolytic anemia. Weiser G, et al. **Vet Pathol** 1983 Jul;20(4):424–33

ANEMIA, HEMOLYTIC, CONGENITAL

BLOOD

Platelet functions and energy metabolism in a patient with hexokinase deficiency. Akkerman JW, et al. **Blood** 1984 Jan;63(1):147–53

Molecular heterogeneity of hereditary pyropoikilocytosis: identification of a second variant of the spectrin alpha-subunit. Lawler J, et al. **Blood** 1983 Dec;62(6):1182–9

Defect in glycosylation of erythrocyte membrane proteins in congenital dyserythropoietic anaemia type II (HEMPAS). Fukuda MN, et al. **Br J Haematol** 1984 Jan; 56(1):55–68

Incomplete glycosylation of erythrocyte membrane proteins in congenital dyserythropoietic anaemia type II (CDA II). Mawby WJ, et al. **Br J Haematol** 1983 Oct;55(2):357–68

Hb Genova in a Cuban family. Clinical differences between carriers. Martínez G, et al. **Hemoglobin** 1983;7(6):591–4

Membrane protein phosphorylation in vinblastine-treated intact human red cells with stomatocytosis and increased sodium influx. Miyashima K, et al. **Nippon Ketsueki Gakkai Zasshi** 1984 Feb;47(1):1–10

Recent progress in research on red cell membrane disorders in Japan: pathogenesis of microspherocytosis in hereditary spherocytosis, sodium transport abnormalities in stomatocytosis, and homeo-adaptive compensatory mechanism for membrane fluidity in red cell membrane lipid abnormalities. Yawata Y. **Nippon Ketsueki Gakkai Zasshi** 1983 Dec;46(7):1426–40

Passive cation transport in hereditary xerocytosis. Fairbanks G, et al. **Prog Clin Biol Res** 1984;159:205–17

Transient anti-D in an Rh-positive patient with congenital dyserythropoietic anemia type II. Krikler SH, et al. **Transfusion** 1984 Mar–Apr;24(2):169–70

[Study of erythrocyte deformability using visco-diffractometry (ektacytometry) in hereditary hemolytic anemias] Herrera A, et al. **Nouv Rev Fr Hematol** 1984;26(3):169–77 (Eng. Abstr.) **(Fre)**

[Neonatal hemolysis secondary to congenital poikilocytosis] Gretillat F, et al. **Presse Med** 1983 Nov 26;12(43):2751–3 (Eng. Abstr.) **(Fre)**

[Deficiency of erythrocyte antigens as a cause of pathology. II. Rh-null disease] Gómez Casal F, et al. **Rev Clin Esp** 1983 Oct 15;171(1):19–21 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Congenital dyserythropoietic anaemia type II associated with a new type of G6PD deficiency (G6PD Gabrovizza). Ventura A, et al. **Acta Haematol (Basel)** 1984;71(4):227–34

Homozygous hereditary elliptocytosis with hemolytic anemia. Haddy TB, et al. **South Med J** 1984 May; 77(5):631–3

DIAGNOSIS

Infantile pyknocytosis: a cause of intrauterine haemolysis in 2 siblings. Maxwell DJ, et al. **Aust NZ J Obstet Gynaecol** 1983 Aug;23(3):182–5

Identification of the hereditary pyropoikilocytosis carrier state. Mentzer WC, et al. **Blood** 1984 Jun;63(6):1439–46

[The most important hereditary anemias] Tokarev IuN. **Klin Med (Mosk)** 1984 Feb;62(2):125–33 **(Rus)**

ENZYMOLOGY

A pyruvate kinase variant with an increased affinity for phosphoenolpyruvate in an individual with congenital non-spherocytic haemolytic anaemia. Smith O, et al. **Clin Lab Haematol** 1983;5(3):237–41

G6PD Sendagi: a new glucose-6-phosphate dehydrogenase variant associated with congenital hemolytic anemia. Morisaki T, et al. **Hum Genet** 1983;65(2):214–5

Erythrocyte enzyme deficiencies. Pyruvate kinase deficiency. Gordon-Smith EC. **J Clin Pathol [Suppl] (R Coll Pathol)** 1974;(8):128–33

[Physico-chemical and kinetic properties of pyruvate kinase in erythrocytes in enzymopathic hemolytic anemia] Rotrekl B, et al. **Vnitr Lek** 1984 Jun;30(6):542–9 (Eng. Abstr.) **(Cze)**

ETIOLOGY

[Hereditary hemolytic anemia] Mitsuwa T. **Nippon Naika Gakkai Zasshi** 1984 Feb;73(2):179–82 **(Jpn)**

FAMILIAL & GENETIC

Erythrocyte pyruvate kinase deficiency in the Ohio Amish: origin and characterization of the mutant enzyme. Muir WA, et al. **Am J Hum Genet** 1984 May;36(3):634–9

Hereditary pyropoikilocytosis: report of two cases from Saudi Arabia. Mallouh A, et al. **Am J Med Genet** 1984 Jul;18(3):413–7

Association of hemolytic anemia and early-onset pulmonary emphysema in three siblings. Anderson CE, et al. **J Pediatr** 1984 Aug;105(2):247–51

Dehydrated hereditary stomatocytosis—a report of two families and a review of the literature. McGrath KM, et al. **Pathology** 1984 Apr;16(2):146–50

Hereditary xerocytosis. A case history and review of the literature. Nolan GR. **Pathology** 1984 Apr;16(2):151–4

Inherited red cell dehydration: a hemolytic syndrome in search of a name. Wiley JS. **Pathology** 1984 Apr; 16(2):115–6

[A case of familial pyruvate kinase deficiency associated with acute myelomonocytic leukemia] Ohta C, et al. **Rinsho Ketsueki** 1984 Jan;25(1):75–81 (Eng. Abstr.) **(Jpn)**

METABOLISM

Phosphofructokinase deficiency associated with congenital nonspherocytic hemolytic anemia and mild myopathy: biochemical and morphological studies on the muscle. Tani K, et al. **Tohoku J Exp Med** 1983 Nov;141(3):287–93

PATHOLOGY

Transmission and scanning electron microscopy study on congenital dyserythropoietic anemia type I. Conde É, et al. **Acta Haematol (Basel)** 1983;70(4):243–9

[Electron microscopic study of erythroid colonies derived from BFU-E of a patient with congenital dyserythropoietic anemia type I] Sakamaki H, et al. **Nippon Ketsueki Gakkai Zasshi** 1984 May;47(3):687–94 (Eng. Abstr.) **(Jpn)**

[Congenital dyserythropoietic anemia type II. Report of a new case and literature review] Simón Marco É, et al. **Rev Clin Esp** 1983 Aug 15–31;170(3–4):149–52 **(Spa)**

PHYSIOPATHOLOGY

Spectrin: structure, function, and abnormalities. Knowles W, et al. **Semin Hematol** 1983 Jul;20(3):159–74 (69 ref.)

RADIONUCLIDE IMAGING

Radionuclide bone marrow scanning and computerized tomography in the diagnosis of extramedullary hematopoiesis presenting as an intrathoracic paravertebral mass. Wosick WF, et al. **Clin Nucl Med** 1984 Jul;9(7):419

SURGERY

[Late results of splenectomy in hereditary microspherocytic hemolytic anemia in children] Sheĭnbaum MP, et al. **Klin Khir** 1984 Jun;(6):23–4 (Eng. Abstr.) **(Rus)**

THERAPY

Efficacy of several plasma components in a young boy with chronic thrombocytopenia and hemolytic anemia who responds repeatedly to normal plasma infusions. Miura M, et al. **Am J Hematol** 1984 Oct;17(3):307–19

URINE

CDA type I with persistent haemosiderinuria: absence of iron loading [letter] Hewitt PE, et al. **Br J Haematol** 1984 Apr; 56(4):682–4

ANEMIA, HEMOLYTIC, CONGENITAL NONSPHEROCYTIC see under **ANEMIA, HEMOLYTIC, CONGENITAL**

ANEMIA, HEMOLYTIC, IDIOPATHIC ACQUIRED see **ANEMIA, HEMOLYTIC, AUTOIMMUNE**

ANEMIA, HYPOCHROMIC

Iron deficiency in health and disease. Reeves JD, et al. **Adv Pediatr** 1983;30:281–320 (153 ref.)

Experimental iron deficiency in Syrian hamsters (Mesocricetus auratus). Ranasinghe AW, et al. **Lab Anim** 1983 Jul;17(3):210–2

[Serum ferritin and iron therapy in patients treated with periodic hemodialysis] Docci D, et al. **Quad Sclavo Diagn** 1982 Dec;18(4):454–62 (Eng. Abstr.) **(Ita)**

BLOOD

Serum ferritin in evaluation of iron status in children. Madanat I, et al. **Acta Haematol (Basel)** 1984;71(2):111–5

Value of serum ferritin as an index of iron deficiency in elderly anaemic patients. Sharma JC, et al. **Age Ageing** 1984 Jul;13(4):248–50

Erythrocyte and plasma ferritin in normal subjects, blood donors and iron deficiency anemia patients. Bodemann HH, et al. **Blut** 1984 Mar;48(3):131–7

Erythrocyte membrane lipid peroxidation in iron deficiency anemia. Ramachandran M, et al. **Experientia** 1984 Feb 15; 40(2):173–4

Iron deficiency in beta-heterozygous thalassaemia. Saraya AK, et al. **Indian J Med Res** 1984 Jan;79:68–75

Ascorbic acid in iron-deficiency anemia. Ridthmat W, et al. **J Med Assoc Thai** 1983 Dec;66(12):775–8

Effect of iron-deficiency anemia on percent blood volume in growing rats. Whittaker P, et al. **J Nutr** 1984 Jun; 114(6):1137–42

Developmental changes in erythrocyte protoporphyrin: roles of iron deficiency and lead toxicity. Yip R, et al. **J Pediatr** 1984 May;104(5):710–3

Gestational anemia and serum ferritin. Ishikawa K, et al. **Kaku Igaku** 1984 Apr;21(4):305–10

Haemolysis and hyposideraemia in patients with Lillehei-Kaster prosthetic heart valves: a long-term follow-up. Olesen KH, et al. **Life Support Syst** 1983 Oct–Dec;1(4):247–53

Red cell membrane abnormalities as pathogenesis of microcytosis in patients with iron deficiency. Yoshimoto M, et al. **Nippon Ketsueki Gakkai Zasshi** 1983 Jul; 46(4):814–21

Intraerythrocytic adaptation to anaemia in thalassaemia. Alvarez-Sala JL, et al. **Nouv Rev Fr Hematol** 1983; 25(4):267–8

Periodic-acid-Schiff positivity in erythroblasts of children with iron-deficiency anemia. Sansone G, et al. **Pathologica** 1983 Sep–Oct;75(1039):681–5

Iron deficiency in the rat: effects on neutrophil activation and metabolism. Mackler B, et al. **Pediatr Res** 1984 Jun; 18(6):549–51

[Lymphocyte changes in chronic posthemorrhagic iron-deficiency anemia] Apostolov P, et al. **Vutr Boles** 1983;22(3):95–9 (Eng. Abstr.) **(Bul)**

[Refractory and sideroblastic anemias] Fereberger W. **Wien Med Wochenschr** 1984 Feb 29;134(3–4):85–9 (Eng. Abstr.) **(Ger)**

[Physiology and physiopathology of iron metabolism] Linkesch W. **Wien Med Wochenschr** 1984 Feb 29; 134(3–4):59–63 **(Ger)**

[Iron metabolism] Seewann HL. **Wien Med Wochenschr** 1984 Feb 29;134(3–4):58 **(Ger)**

[Serum vitamin E concentration and erythrocyte membrane fatty acid composition in infants with iron deficiency anemia] Heldenberg D, et al. **Harefuah** 1983 Jan 2; 104(1):12–4 (Eng. Abstr.) **(Heb)**

[Graphic method of determining laboratory criteria for iron deficiency] Woroszylska J, et al. **Acta Haematol Pol** 1983 Apr–Jun;14(2):95–104 (Eng. Abstr.) **(Pol)**

[Changes in hemoglobin fractions of pregnant women with heterozygous beta-thalassemia and iron deficiency anemia] Tikhonova LV. **Akush Ginekol (Mosk)** 1983 Dec;(12):41–3 (Eng. Abstr.) **(Rus)**

[Morphofunctional characteristics of peripheral erythrocytes of patients with iron deficiency anemia] Kozinets GI, et al. **Gematol Transfuziol** 1984 Jun;29(6):19–20 (Eng. Abstr.) **(Rus)**

[Acid-base function of the blood in iron-deficiency anemia in children] Sukhanov IuS, et al. **Pediatriia** 1984 Feb; (2):40–2 (Eng. Abstr.) **(Rus)**

[Metabolic changes in erythrocytes in anemia in pregnant women] D'iakova NG, et al. **Sov Med** 1984;(1):29–33 (Eng. Abstr.) **(Rus)**

[Iron metabolism and deficiency in adolescents] Bukhalovskiĭ IN, et al. **Ter Arkh** 1984;56(2):137–40 (Eng. Abstr.) **(Rus)**

[Iron-deficiency anemia of unknown origin with blood ferritin as a presenting form of hepatocarcinoma without cirrhosis] Villalta J, et al. **Rev Clin Esp** 1984 Jan 31; 172(2):117–8 **(Spa)**

[Ferropenic anemia: changes produced by blood transfusion on the survival of erythrocytes] Maspes V, et al. **Sangre (Barc)** 1983;28(6):724–30 (Eng. Abstr.) **(Spa)**

[Erythrocyte deformability in microcytic hypochromic anemias] Vayá A, et al. **Sangre (Barc)** 1984;29(1):36–41 (Eng. Abstr.) **(Spa)**

CHEMICALLY INDUCED

Vitamin-A-induced anaemia [letter] White JM. **Lancet** 1984 Sep 8;2(8402):573

[Changes in the parameters of iron metabolism in acute poisoning with various drugs and solvents] Gadzicki M, et al. **Med Pr** 1983;34(5–6):405–12 (Eng. Abstr.) **(Pol)**

CLASSIFICATION

[Classification of iron deficiency anemia] Al'perin PM, et al. **Gematol Transfuziol** 1983 Sep;28(9):11–4 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Increased red blood cell protoporphyrin in thalassemia: a result of relative iron deficiency. Pootrakul P, et al. **Am J Clin Pathol** 1984 Sep;82(3):289–93

Geomelophagia. An unusual pica in iron-deficiency anemia [letter] Libnoch JA. **Am J Med** 1984 Jan;76(1):A69

Iron deficiency and sickle cell anemia. Rao KR, et al. **Arch Intern Med** 1983 May;143(5):1030–2

Giant lymph node hyperplasia (Castleman's disease) of the mesentery. Observations on the associated anemia. Bjarnason I, et al. **Gastroenterology** 1984 Jul;87(1):216–23

Protein depletion and iron deficiency in rats. Beard JL, et al. **J Nutr** 1984 Aug;114(8):1396–401

Iron deficiency and infection: a dilemma. Humbert JR, et al. **J Pediatr Gastroenterol Nutr** 1983;2(3):403–6 (33 ref.)

Iron deficiency and mental development. **Nutr Rev** 1983 Aug; 41(8):235–7 (15 ref.)

[Incidence of intrahospital infections in sideropenic anemia] Hajnžić TF, et al. **Lijec Vjesn** 1983 Nov–Dec; 105(11–12):440–3 (Eng. Abstr.) **(Scr)**

[Iron-deficiency anemia and pseudotumor cerebri (letter)] Buenaventura I, et al. **Med Clin (Barc)** 1984 Feb 18; 82(6):281 **(Spa)**

DIAGNOSIS

Age-related changes in laboratory values used in the diagnosis of anemia and iron deficiency. Yip R, et al. **Am J Clin Nutr** 1984 Mar;39(3):427–36

Evaluation of therapeutic response with micro dose of vitamin B12 and folic acid in patients of dimorphic anaemia. Jain P, et al. **J Assoc Physicians India** 1984 Apr;32(4):327–9

Iron deficiency anaemia. Mehta BC. **J Assoc Physicians India** 1983 Sep;31(9):599–600

What is the best test for iron deficiency? [letter] Dine MS. **Pediatrics** 1983 Dec;72(6):909–10

Screening for thalassaemia and/or iron deficiency: evaluation of some discrimination functions. Chalevelakis G, et al. **Scand J Clin Lab Invest** 1984 Feb;44(1):1–6

Serum ferritin and the assessment of iron deficiency in rheumatoid arthritis. Hansen TM, et al. **Scand J Rheumatol** 1983;12(4):353–9

[A new method for the determination of iron concentration in urine and its use in intramuscular iron load for the reliable and early detection of iron deficiency conditions] Bernát SI, et al. **Folia Haematol (Leipz)** 1983;110(3):437–46 (Eng. Abstr.) **(Ger)**

[Case report from practice (20)] Fried M. **Praxis** 1983 Nov 22;72(47):1495–6 **(Ger)**

[Alcohol and changes in the hematopoietic system; an epidemiological contribution to the problem of alcoholic anemia] Heinz R, et al. **Wien Klin Wochenschr** 1983 Sep 16;95(17):624–8 (Eng. Abstr.) **(Ger)**

[Diagnosis of disordered iron metabolism] Schröcksnadel W, et al. **Wien Med Wochenschr** 1984 Feb 29;134(3–4):63–8 (Eng. Abstr.) **(Ger)**

[Clinical aspects and therapy of iron deficiency] Stacher A. **Wien Med Wochenschr** 1984 Feb 29;134(3–4):74–81 (Eng. Abstr.) **(Ger)**

[Latent and manifest iron deficiency conditions. Diagnostic and therapeutic developments] Hausmann K. **Z Gesamte Inn Med** 1984 Apr 15;39(8):142–52 (Eng. Abstr.) **(Ger)**

[Clinical value of serum ferritin determination in the diagnosis of iron deficiency disease] Bernát SI, et al. **Orv Hetil** 1984 Jan 1;125(1):23–26 (Eng. Abstr.) **(Hun)**

[Sideropenic anemia in rheumatoid arthritis: diagnostic usefulness of serum ferritin, unsaturated transferrin and induced urinary siderosis] Maddali Bongi S, et al. **Quad Sclavo Diagn** 1983 Sep;19(3):330–42 (Eng. Abstr.) **(Ita)**

[Detection of iron deficiency in children by a radioisotope method] Kulikova MM, et al. **Gematol Transfuziol** 1984 Jun;29(6):54–7 **(Rus)**

DIET THERAPY

Iron fortification: an update. Cook JD, et al. **Am J Clin Nutr** 1983 Oct;38(4):648–59

DRUG THERAPY

The rationale for treating iron deficiency anemia. Crosby WH. **Arch Intern Med** 1984 Mar;144(3):471–2

Thrombocytosis as a feature of iron-deficiency therapeutic correction [letter] Deray G, et al. **Arch Intern Med** 1984 Feb;144(2):414–5

Total dose iron infusion during third trimester to iron deficient mothers and its influences on anemia of early infancy. Amir M, et al. **Indian Pediatr** 1983 May; 20(5):335–9

Opinions regarding the advantages of the solution of some public health problems through therapy with natural products based on apiarian pollen. Daghie V, et al. **Sante Publique (Bucur)** 1983;26(4):347–60

[Results of the therapeutic use of ferritin alone or in combination with coenzyme B12 and folinic acid in the treatment of iron-deficiency anemia. Controlled study] Salsano F, et al. **Clin Ter** 1983 Nov 15;107(3):199–205 (Eng. Abstr.) **(Ita)**

[Comparative evaluation of the effectiveness of iron preparations in iron deficiency anemia] Loseva MI, et al. **Gematol Transfuziol** 1984 Jun;29(6):10–3 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of the treatment of iron deficiency anemias] Mandel'baum AIa, et al. **Klin Med (Mosk)** 1983 Nov;61(11):121–6 (Eng. Abstr.) **(Rus)**

[Use of methandrostenolone in the combined treatment of iron-deficiency anemia patients] Babak GIa. **Vrach Delo** 1983 Nov;(11):34–6 (Eng. Abstr.) **(Rus)**

ECONOMICS

Contribution of education to cost-effective care of microcytic, hypochromic anemia. Mulligan JL, et al. **J Fam Pract** 1984 Jun;18(6):901–7

ENZYMOLOGY

Serum lactic dehydrogenase (SLDH) activity in maternal and cord blood in anemia of pregnancy and normal controls. Blum M, et al. **Clin Exp Obstet Gynecol** 1983;10(2–3):102–4

[Glutathione peroxidase, a selenium-containing enzyme, activity in the blood of healthy persons and in patients with iron deficiency anemia and liver cirrhosis] Zeinally EM, et al. **Gematol Transfuziol** 1983 Jul;28(7):24–6 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Intracranial tumour in an infant presenting as iron deficiency anaemia. Jooma R, et al. **Br Med J [Clin Res]** 1984 Mar 24;288(6421):898

Association between iron deficiency anaemia and mid-arm circumference in Crohn's disease. Harries AD, et al. **Hum Nutr Clin Nutr** 1984 Jan;38(1):47–53

Correlation between density of infection and blood picture in ancylostomiasis. Rifaat MA, et al. **J Egypt Soc Parasitol** 1984 Jun;14(1):81–4

Exclusive breast-feeding for 9 months: risk of iron deficiency. Siimes MA, et al. **J Pediatr** 1984 Feb;104(2):196–9

Iron deficiency anemia in a vegetarian runner [letter] Jacobs MB, et al. **JAMA** 1984 Jul 27;252(4):481–2

Iron deficiency anemia caused by a giant jejunal diverticulum. Shimayama T, et al. **Jpn J Surg** 1984 Mar; 14(2):146–9

Anaemia in CAPD and haemodialysis [letter] **Lancet** 1983 Dec 24–31;2(8365–66):1488–9

Anaemia and dialysis [letter] Wilkinson R, et al. **Lancet** 1984 Jan 14;1(8368):112–3

Acquired iron-deficiency anemia caused by an antibody against the transferrin receptor. Larrick JW, et al. **N Engl J Med** 1984 Jul 26;311(4):214–8

Iron deficiency anemia due to impaired iron transport. **Nutr Rev** 1983 Oct;41(10):311–4

Study on cystic fibrosis criticized [letter] Newman TB. **Pediatrics** 1983 Dec;72(6):909

Urinary iron loss in the nephrotic syndrome—an unusual cause of iron deficiency with a note on urinary copper losses. Brown EA, et al. **Postgrad Med J** 1984 Feb; 60(700):125–8

Clinicopathologic conference. Seventy-four year old Caucasian female with filling defect in cecum by x-ray and blood loss anemia. Devick MR, et al. **SD J Med** 1983 Sep;36(9):21–5

Microcytic hypochromic anemia associated with renal cell carcinoma. Kroll MH, et al. **South Med J** 1984 May; 77(5):635–7

[Nutritional problems in infants. II. Diet of immigrant and Danish infants with and without iron-deficiency anemia] Uldall P, et al. **Ugeskr Laeger** 1984 Feb 20;146(8):567–70 (Eng. Abstr.) **(Dan)**

[Nutritional problems in infants. Social conditions, dietary habits and utilization of preventive measures in immigrant children with nutritional diseases and a control group] Uldall P, et al. **Ugeskr Laeger** 1984 Feb 20;146(8):606–8 (Eng. Abstr.) **(Dan)**

[Hypochromic anemia and small bowel diverticula] Pras P, et al. **Sem Hop Paris** 1984 Mar 1;60(10):669–72 (Eng. Abstr.) **(Fre)**

[Etiology of hyposiderinemia and anemia in Crohn's disease] Balzer K, et al. **Dtsch Med Wochenschr** 1984 Jun 29; 109(26):1023–8 (Eng. Abstr.) **(Ger)**

[Iron deficiency anemia in the elderly] Wigler I, et al. **Harefuah** 1983 Jul;105(1–2):1–3 (Eng. Abstr.) **(Heb)**

[Two cases of factitious anemia] Haneda Y, et al. **Rinsho Ketsueki** 1983 Jun;24(6):685–90 (Eng. Abstr.) **(Jpn)**

[Factors related to changes in hemoglobin levels in women over 1-year period] Kirschner H, et al. **Acta Haematol Pol** 1983 Jul–Dec;14(3–4):191–9 (Eng. Abstr.) **(Pol)**

[Biological role of vitamin B2 in iron deficiency anemia] Cherstvova LG. **Gematol Transfuziol** 1984 Jun;29(6):47–50 (55 ref.) **(Rus)**

[Anemia in women following cesarean section] Beshkenadze MG, et al. **Lab Delo** 1984;(2):100–2 (Eng. Abstr.) **(Rus)**

[Atransferrinemia secondary to hepatic cirrhosis, hemochromatosis, and nephrotic syndrome] Gastón Morata JL, et al. **Rev Esp Enferm Apar Dig** 1982 Dec;62(6):491–5 (Eng. Abstr.) **(Spa)**

HISTORY

Nutrition classics. The American Journal of Medicine, Volume 31, 1961. Syndrome of iron deficiency anemia, hepatosplenomegaly, hypogonadism, dwarfism and geophagia. Prasad AS, et al. **Nutr Rev** 1983 Jul;41(7):220–3

Nutrition classics: the Journal of Clinical Investigation, volume 43, 1964. Iron deficiency anemia associated with an error of iron metabolism in two siblings. Shahidi NT, et al. **Nutr Rev** 1983 Oct;41(10):315–7

The diseases called chlorosis. Loudon I. **Psychol Med** 1984 Feb;14(1):27–36

IMMUNOLOGY

Cell mediated immunity in nutritional anaemia. Swarup-Mitra S, et al. **Indian J Med Res** 1984 Mar; 79:354–62

Neutrophil bactericidal dysfunction towards oxidant radical-sensitive microorganisms during experimental iron deficiency. Moore LL, et al. **Pediatr Res** 1984 Aug; 18(8):789–94

[Functional activity of B lymphocytes of the mother and fetus in pregnancy complicated by iron deficiency anemia] Sebiskveradze IA. **Akush Ginekol (Mosk)** 1984 Jul;(7):52–4 (Eng. Abstr.) **(Rus)**

[Significance of immune factors in iron-deficiency anemia concomitant with chronic gastritis] Ostrovskiĭ AB. **Gematol Transfuziol** 1984 Feb;29(2):26–8 (Eng. Abstr.) **(Rus)**

[Immune response and susceptibility to infection in children with iron deficiency anemia] Malakhovskiĭ IuE, et al. **Pediatriia** 1983 Aug;(8):28–31 (Eng. Abstr.) **(Rus)**

METABOLISM

Distinguishing effects of anemia and muscle iron deficiency on exercise bioenergetics in the rat. Davies KJ, et al. **Am J Physiol** 1984 Jun;246(6 Pt 1):E535–43

Effects of iron deficiency and exercise on myoglobin in rats. McDonald R, et al. **Eur J Applied Physiol** 1984;52(4):414–9

Influence of maternal iron deficiency anemia on the fetal total body iron. Ahmad SH, et al. **Indian Pediatr** 1983 Sep; 20(9):643–6

Iron stores in adults with sickle cell anemia. Rao KR, et al. **J Lab Clin Med** 1984 May;103(5):792–7

Bioavailability of different sources of ferrous sulfate iron fed to anemic rats. Park YW, et al. **J Nutr** 1983 Nov; 113(11):2223–8

Effect of different intensities of iron-deficient anemia in pregnant rats on maternal tissue iron and fetal development. Tojyo H. **J Nutr Sci Vitaminol (Tokyo)** 1983 Jun; 29(3):339–51

Iron deficiency in the rat: effects on oxidative metabolism in distinct types of skeletal muscle. Mackler B, et al. **Pediatr Res** 1984 Jun;18(6):499–500

[Iron-deficiency in late pregnancy—observation on free erythrocyte protoporphyrin, transferrin saturation and marrow iron in 16 cases] Chen ZZ.
Chung Hua I Hsueh Tsa Chih 1984 Feb;64(2):108–11 **(Chi)**

OCCURRENCE

Prevalence and causes of anemia in the United States, 1976 to 1980. Dallman PR, et al. **Am J Clin Nutr** 1984 Mar; 39(3):437–45

Iron status of elderly Americans. Lynch SR, et al.
Am J Clin Nutr 1982 Nov;36(5 Suppl):1032–45 (100 ref.)

Iron deficiency in black females during late adolescence. Fitzpatrick SB, et al. **J Adolesc Health Care** 1984 Apr; 5(2):71–4

Iron deficiency anemia among Indonesian children. Soemantri AG, et al. **Paediatr Indones** 1984 Jan–Feb; 24(1–2):28–42

The coloured elderly in Cape Town—a psychosocial, psychiatric and medical community survey. Part IV. Haematological values. Jacobs P, et al. **S Afr Med J** 1984 Jan 7;65(1):16–8

The prevalence of iron deficiency in apparently healthy Cape coloured infants. Kirsten GF, et al. **S Afr Med J** 1984 Mar 10;65(10):378–80

[Deficiency anemias in tropical countries] Lechner K, et al. **Wien Klin Wochenschr** 1984 Jul 6;96(14):539–41 (Eng. Abstr.) **(Ger)**

[Iron deficiency states in women between the menarche and menopause] Brüschke G, et al. **Z Arztl Fortbild (Jena)** 1984; 78(6):225–7 **(Ger)**

[Annual changes in hemoglobin levels in a random sampling of women] Kirschner H, et al. **Acta Haematol Pol** 1983 Jul–Dec;14(3–4):181–9 (Eng. Abstr.) **(Pol)**

[Iron and folate deficiency in pregnant women at term] Lira P, et al. **Rev Med Chil** 1984 Feb;112(2):127–31 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Electron microscopic study on the cardiac hypertrophy induced by iron deficiency anaemia in the rat. Rossi MA, et al. **Br J Exp Pathol** 1983 Aug;64(4):373–87

PHYSIOPATHOLOGY

Effect of iron-deficiency anemia on hormone levels and thermoregulation during cold exposure. Beard J, et al.
Am J Physiol 1984 Jul;247(1 Pt 2):R114–9

Functional consequences of iron deficiency in human populations. Scrimshaw NS.
J Nutr Sci Vitaminol (Tokyo) 1984 Feb;30(1):47–63 (49 ref.)

[Adrenal cortical and ovarian functions of healthy inhabitants and iron-deficiency anemia patients in an arid zone adapting to mountain conditions] Reznikov AG, et al.
Fiziol Zh 1984 Jul–Aug;30(4):498–502 **(Rus)**

[Status of hemostasis and fibrinolysis in patients with iron deficiency anemia] Nikulicheva VI, et al. **Lab Delo** 1984; (4):220–3 (Eng. Abstr.) **(Rus)**

[Physical development of older schoolchildren with iron-deficiency anemia] Petrukhina EN, et al. **Pediatriia** 1984 Apr;(4):46 **(Rus)**

[Systolic phase analysis of the left ventricle in anemic dystrophy of the myocardium] Shatsova EN.
Vrach Delo 1984 Jul;(7):91–2 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Fortification of food for iron-deficiency anemia [letter] Foy H, et al. **Am J Clin Nutr** 1984 Sep;40(3):662–4

The relative effect of ascorbic acid on iron absorption from soy-based and milk-based infant formulas. Gillooly M, et al. **Am J Clin Nutr** 1984 Sep;40(3):522–7

Control of anaemia among pregnant women by iron supplementation. Gupta SD, et al.
Indian J Public Health 1983 Jan–Mar;27(1):28–31

Supplementation of milk with iron bound to lactoferrin using weanling mice: L. Effects on hematology and tissue iron. Fransson GB, et al. **J Pediatr Gastroenterol Nutr** 1983 Nov; 2(4):693–700

Single-dose intramuscular iron dextran in pregnancy for anaemia prevention in urban Zambia. Jenkinson D.
J Trop Med Hyg 1984 Apr;87(2):71–4

Indian anaemia: salt as iron vehicle [news] **Nature** 1984 Aug 23–29;310(5979):615

Use of iron-fortified salt to combat anemia: the Indian experience. **Nutr Rev** 1983 Oct;41(10):302–4

A prophylactic supplementation of iron and folate in pregnancy. Srisupandit S, et al.
Southeast Asian J Trop Med Public Health 1983 Sep; 14(3):317–23

[Sideropenic anemia in patients under periodic hemodialysis treatment: efficacy and safety of oral iron treatment] Recchia G, et al. **Clin Ter** 1984 Mar 15;108(5):397–404 (Eng. Abstr.) **(Ita)**

[Serum ferritin levels of each sex and age group and their usefulness in screening for anemia and iron deficiency] Murakawa H. **Rinsho Ketsueki** 1984 Apr;25(4):519–27 (Eng. Abstr.) **(Jpn)**

[Role of iron in infant nutrition. 2nd part] Taboada H.
Rev Chil Pediatr 1983 Mar–Apr;54(2):132–8 (Eng. Abstr.) **(Spa)**

PSYCHOLOGY

Iron deficiency and early development [letter] Groner JA.
J Pediatr 1984 Feb;104(2):323–4

THERAPY

[Use of cryopreserved erythrocytes in the complex treatment of patients with anemia] Mikhailov VG, et al.
Gematol Transfuziol 1984 Jun;29(6):13–5 (Eng. Abstr.) **(Rus)**

VETERINARY

Coprophagy in iron-deficient rats: II. 2 novel methods of prevention. Neale RJ. **Lab Anim** 1984 Apr;18(2):119–24

[Comparative studies on the resorption, anti-anemic action and growth effect of FV-82 and dextrofer-100 on pigs] Dilov P, et al. **Vet Med Nauki** 1984;21(5):77–85 (Eng. Abstr.) **(Bul)**

ANEMIA, MACROCYTIC

see related
FIGLU TEST

BLOOD

Red cell membrane and cation deficiency in Rh null syndrome. Ballas SK, et al. **Blood** 1984 May;63(5):1046–55

B lymphocyte precursors in embryonic and adult W anemic mice. Landreth KS, et al. **J Immunol** 1984 Jun; 132(6):2724–9

CHEMICALLY INDUCED

Severe megaloblastic anaemia associated with abnormal azathioprine metabolism. Lennard L, et al.
Br J Clin Pharmacol 1984 Feb;17(2):171–2

Possible role of methotrexate in trimethoprim-sulfamethoxazole-induced acute megaloblastic anemia. Dan M, et al. **Isr J Med Sci** 1984 Mar;20(3):262–3

Vitamin-A-induced anaemia [letter] White JM. **Lancet** 1984 Sep 8;2(8402):573

DIAGNOSIS

Masked macrocytosis and the use of serum vitamin B12 and folate assays. Savage RA, et al. **Cleve Clin Q** 1983 Winter; 50(4):439–44

[Megaloblastic anemia in pregnancy] Kölblová V, et al.
Cesk Gynekol 1983 Jun;48(5):369–71 **(Cze)**

[Function tests in the differential diagnosis of megaloblastic anemias] Sauer H, et al. **Med Welt** 1984 Jan 13; 35(1–2):48–52 **(Ger)**

[Diagnostic importance of erythrocyte volume] Berndt H.
Z Arztl Fortbild (Jena) 1983;77(23):953–4 **(Ger)**

DRUG THERAPY

[Pure megaloblastic refractory anemia. Prolonged complete remission following androgenotherapy] Turpin F, et al.
Nouv Rev Fr Hematol 1983;25(4):259–62 (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

[Lactate dehydrogenase activity in B 12 deficiency anemia] Kardash BE, et al. **Ter Arkh** 1984;56(1):126–7 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Goats' milk in infants and children [letter] Parry TE.
Br Med J [Clin Res] 1984 Mar 17;288(6420):863–4

Megaloblastic anaemia in vegetarian Asians. Matthews JH, et al. **Clin Lab Haematol** 1984;6(1):1–7

Homocystinuria and megaloblastic anemia responsive to vitamin B12 therapy. An inborn error of metabolism due to a defect in cobalamin metabolism. Schuh S, et al.
N Engl J Med 1984 Mar 15;310(11):686–90

Imerslund-Gräsbeck syndrome and generalized malabsorption. Yetgin S, et al. **Turk J Pediatr** 1983 Jul–Sep; 25(3):193–6

[Report on 455 cases of megaloblastic anemia] Ye MG.
Chung Hua Nei Ko Tsa Chih 1983 Sep;22(9):537–9 **(Chi)**

[Thalassemia major manifested by megaloblastic anemia caused by folate deficiency] Danel P, et al.
Arch Fr Pediatr 1983 Dec;40(10):799–801 (Eng. Abstr.) **(Fre)**

[Congenital deficiency of intrinsic factor] Blanckaert D, et al. **LARC Med** 1984 Feb;4(2):91–3 (Eng. Abstr.) **(Fre)**

[Macrocytosis of erythrocytes and megaloblastic anemia in chronic alcoholism] Al'pidovskiĭ VK.
Gematol Transfuziol 1983 Sep;28(9):45–50 (91 ref.) **(Rus)**

FAMILIAL & GENETIC

Imerslund-Gräsbeck anemia. A long-term follow-up study. Broch H, et al. **Acta Paediatr Scand** 1984 Mar;73(2):248–53

HISTORY

Folic acid and macrocytic anemias. Darby WJ.
South Med J 1983 Nov;76(11):1341–3

PATHOLOGY

[Colony-forming capacity of fibroblastic cells—bone marrow precursors—in patients with B12- and folic acid-deficiency anemias and liver cirrhosis with hypersplenism] Zaritskiĭ AIu, et al. **Gematol Transfuziol** 1984 Apr;29(4):15–7 (Eng. Abstr.) **(Rus)**

[Colony-forming capacity of fibroblast precursor cells of the bone marrow in patients with various neutropenic conditions] Zaritskiĭ AIu, et al. **Ter Arkh** 1983;55(8):110–4 (Eng. Abstr.) **(Rus)**

THERAPY

Aging and hematopoiesis. II. The ability of bone marrow cells from young and aged mice to cure and maintain cure in W/Wv. Boggs DR, et al. **Transplantation** 1984 Mar; 37(3):300–6

VETERINARY

Contrasted, a steel allele in the mouse with intermediate effects. Beechey CV, et al. **Genet Res** 1983 Oct;42(2):183–91

Erythrocyte macrocytosis in feline leukemia virus associated anemia. Weiser MG, et al. **Vet Pathol** 1983 Nov; 20(6):687–97

ANEMIA, MEDITERRANEAN see **THALASSEMIA**

ANEMIA, MEGALOBLASTIC see under **ANEMIA, MACROCYTIC**

ANEMIA, MICROANGIOPATHIC see **ANEMIA, HEMOLYTIC**

ANEMIA, NEONATAL

BLOOD

Plasma erythropoietin concentrations during the early anemia of prematurity. Hågå P, et al. **Acta Paediatr Scand** 1983 Nov;72(6):827–31

The anemia of prematurity and the decision when to transfuse. Stockman JA 3d. **Adv Pediatr** 1983;30:191–219 (43 ref.)

DIAGNOSIS

Assessment of anemia in newborn infants. Blanchette VS, et al. **Clin Perinatol** 1984 Jun;11(2):489–510 (57 ref.)

Anemia in the high-risk infant. Sabio H. **Clin Perinatol** 1984 Feb;11(1):59–72 (52 ref.)

ETIOLOGY

Vitamin E deficiency anemia in newborn infants. Zipursky A. **Clin Perinatol** 1984 Jun;11(2):393–402 (42 ref.)

Neonatal hematological values in maternal anemia. Agarwal RM, et al. **Indian Pediatr** 1983 May;20(5):369–72

IMMUNOLOGY

Significance of positive direct anti-globulin test for cord blood—in administration of anti-d immunoglobulin for postpartum immunoprophylaxis. Nakamura Y, et al.
Nippon Sanka Fujinka Gakkai Zasshi 1984 Apr;36(4):623–5

ANEMIA, PERNICIOUS

see related
SCHILLING TEST

BLOOD

RDW misleading? [letter] Farley PC. **Am J Clin Pathol** 1984 Mar;81(3):415–6

[Normocytic Biermer's disease caused by associated alpha-thalassemia] Sei JF, et al. **Rev Med Interne** 1984 Mar; 5(1):67–8 **(Fre)**

COMPLICATIONS

Pernicious anaemia with subacute combined degeneration of cord in a Bangladeshi male. Ullah ME, et al.
Bangladesh Med Res Counc Bull 1983 Jun;9(1):1–6

Hypocalcaemia in pernicious anaemia. Fairris GM, et al.
Br Med J [Clin Res] 1984 Feb 25;288(6417):607

Gastroscopic screening in 80 patients with pernicious anaemia. Stockbrügger RW, et al. **Gut** 1983 Dec; 24(12):1141–7

Pregnancy outcome in insulin-dependent diabetics with thyroid disease or pernicious anaemia [letter] Roman E, et al. **Lancet** 1984 Jul 14;2(8394):109

Pernicious anemia: the disease and physical therapy management. A case report. Merenstein A, et al.
Phys Ther 1984 Jul;64(7):1076–7

Pernicious anaemia, intragastric bacterial overgrowth, and possible consequences. Stockbruegger RW, et al.
Scand J Gastroenterol 1984 May;19(3):355–64

Glossitis, folic acid and pernicious anemia [letter] Johnson BE. **South Med J** 1983 Nov;76(11):1463

[Pernicious anemia as cause of secondary sterility] Marty H.
Schweiz Med Wochenschr 1984 Feb 4;114(5):178–9 (Eng. Abstr.) **(Ger)**

[Pernicious anemia associated with monoclonal hypergammaglobulinemia (IgG-lambda)] Hasunuma K, et al. **Rinsho Ketsueki** 1983 Nov;24(11):1503–8 (Eng. Abstr.)

(Jpn)
[Lhermitte's sign in pernicious anemia] Gastón Morata JL, et al. **Rev Clin Esp** 1983 May 31;169(4):263–4 (Spa)

DIAGNOSIS

The utility of serum gastrin levels in assessing the significance of low serum B12 levels. Slingerland DW, et al. **Arch Intern Med** 1984 Jun;144(6):1167–8
Pernicious anaemia—a case report. Wijesiriwardena BC, et al. **Ceylon Med J** 1983 Mar;28(1):53–6
Paralysis of upward gaze as a presenting symptom of vitamin B12 deficiency. Sandyk R. **Eur Neurol** 1984;23(3):198–200
Pernicious anemia: a review, an update, and an illustrative case. Maxfield DL, et al. **J Am Osteopath Assoc** 1983 Oct; 83(2):133–42 (23 ref.)
Chronic arsenic poisoning masquerading as pernicious anemia. Selzer PM, et al. **West J Med** 1983 Aug; 139(2):219–20
[Biermer's disease without anemia, nor megaloblastosis. Value of the study of antibodies, vitamin assays, and the dU suppression test for the early diagnosis] Zittoun R, et al. **Ann Med Interne (Paris)** 1983;134(6):569–72 (Eng. Abstr.) (Fre)
[Anemia and icterus: pernicious anemia] Tischendorf FW. **Med Welt** 1983 Jul 29;34(29–30):807–8 (Ger)

ETIOLOGY

Gastric carcinoma and pernicious anaemia in long-term endoscopic follow-up of subjects with gastric polyps. Laxén F. **Scand J Gastroenterol** 1984 Jun;19(4):535–40
[Chronic gastritis and pernicious anemia] Tönissen R, et al. **MMW** 1984 Jan 27;126(4):132,6 (Ger)

FAMILIAL & GENETIC

[Pernicious anemia in two sisters and their mother. Report of a family case] Matsubayashi K, et al. **Nippon Naika Gakkai Zasshi** 1984 Jan;73(1):79–83 (Jpn)

HISTORY

Landmark article (JAMA 1926). Treatment of pernicious anemia by a special diet. By George R. Minot and William P. Murphy. **JAMA** 1983 Dec 23–30;250(24):3328–35
Landmark article Oct 31, 1936: Observations on the etiologic relationship of achylia gastrica to pernicious anemia. V. Further evidence for the essential participation of extrinsic factor in hematopoietic responses to mixtures of beef muscle and gastric juice and to hog stomach mucosa. By W.B. Castle and T.H. Ham. **JAMA** 1984 Jan 27; 251(4):514–21
Landmark perspective. Pernicious anemia. Crosby WH. **JAMA** 1983 Dec 23–30;250(24):3336–8
Landmark perspective: An 'extrinsic factor' and pernicious anemia. Herbert V. **JAMA** 1984 Jan 27;251(4):522–3

IMMUNOLOGY

Flow microfluorimetric analysis of autoantibody reactions with parietal cell surface membranes in pernicious anaemia. De Aizpurua HJ, et al. **Clin Exp Immunol** 1983 Nov; 54(2):405–10
Lymphocyte subpopulations in pernicious anemia [letter] Imamura N, et al. **N Engl J Med** 1984 Jul 5;311(1):56
Immune functions in pernicious anaemia before and during treatment with vitamin B12. Kätkä K. **Scand J Haematol** 1984 Jan;32(1):76–82
Autoantibodies, immune complexes and HLA-D in thyrogastric autoimmunity. Feldt-Rasmussen U, et al. **Tissue Antigens** 1983 Nov;22(5):342–7
[Biermer's anemia, Hashimoto's thyroiditis, myasthenia and malignant thymoma. HLA B8, DR3, and DR5 antigens (letter)] Humbert P, et al. **Presse Med** 1984 Feb 18;13(7):439 (Fre)
[Clinical significance of intrinsic factor antibody in gastric and various other disease] Kurokawa K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Mar;81(3):926 (Jpn)
[Effect of transplacentally transferred gastric antibody on infant's gastric mucosa] Jogamoto M, et al. **Rinsho Ketsueki** 1983 Dec;24(12):1641–4 (Eng. Abstr.) (Jpn)

METABOLISM

Schilling evaluation of pernicious anemia: current status. Zuckier LS, et al. **J Nucl Med** 1984 Sep;25(9):1032–9

MICROBIOLOGY

Bacterial colonization and nitrite concentration in the achlorhydric stomachs of patients with primary hypogammaglobulinaemia or classical pernicious anaemia. Dolby JM, et al. **Scand J Gastroenterol** 1984 Jan; 19(1):105–10

OCCURRENCE

Prevalence and incidence of pernicious anemia. An evaluation for gastric screening. Borch K, et al. **Scand J Gastroenterol** 1984 Mar;19(2):154–60

PATHOLOGY

Unusual case of acute leukemia. Coexisting acute leukemia and pernicious anemia. Vogelsang GB, et al. **Am J Med** 1984 Jun;76(6):1144–50

ANEMIA, REFRACTORY see **ANEMIA, APLASTIC**

ANEMIA, SICKLE CELL

see related
ANTISICKLING AGENTS

Sickle cell diseases and hormonal contraception. Freie HM. **Acta Obstet Gynecol Scand** 1983;62(3):211–7
Education, consent, and counseling in sickle cell screening programs: report of a survey. Farfel MR, et al. **Am J Public Health** 1984 Apr;74(4):373–5
Sickle cell anemia in Rio de Janeiro, Brazil: demographic, clinical and laboratory data. Hutz MH, et al. **Braz J Med Biol Res** 1983 Oct;16(3):219–26
Sickle cell anaemia and reincarnation beliefs in Nigeria [letter] Onwubalili JK. **Lancet** 1983 Dec 17;2(8364):1423
Sickle cell trait and sickle cell anemia: a review. Benjamin GC. **Milit Med** 1983 Sep;148(9):701–6 (49 ref.)
The increasing complexity of sickle cell anemia. Warth JA, et al. **Prog Hematol** 1983;13:25–47 (199 ref.)
[Anesthesia in drepanocytic patients. Study apropos of 55 cases] Charrière JM, et al. **Dakar Med** 1983;28(2):377–85 (Eng. Abstr.) (Fre)

BLOOD

Serum cobalamin concentration in sickle cell disease (HbSS). Osifo BO, et al. **Acta Haematol (Basel)** 1984;71(5):299–303
Erythrocyte density distribution in sickle cell anemia. Weems HB, et al. **Acta Haematol (Basel)** 1984;71(6):361–70
Liver function and the diagnostic significance of conjugated cholic acid and chenodeoxycholic acid in serum of African patients with sickle cell disease. Bolarin DM. **Acta Trop (Basel)** 1983 Dec;40(4):359–64
Apparent vitamin B6 deficiency in sickle cell anemia. Natta CL, et al. **Am J Clin Nutr** 1984 Aug;40(2):235–9
Hemoglobin S levels in sickle cell trait individuals. Cameron BF, et al. **Am J Hematol** 1984 Feb;16(2):123–7
The relationship between fetal hemoglobin level and glycosylation in sickle cell disease. Elseweidy MM, et al. **Am J Hematol** 1984 May;16(4):375–81
Stability over time of hematological variables in 197 children with sickle cell anemia. Odenheimer DJ, et al. **Am J Med Genet** 1984 Jul;18(3):461–70
Hematology problem. Sickle cell anemia. Schmidt R. **Am J Med Technol** 1983 Dec;49(12):871–2
Non-uniformity of intracellular polymer formation in sickle erythrocytes: possible correlation with severity of hemolytic anemia. Noguchi CT, et al. **Am J Pediatr Hematol Oncol** 1984 Spring;6(1):46–50
Influence of methodology on glycosylated hemoglobin values in Nigerian subjects with sickle cell hemoglobinopathy. Ohwovoriole AE, et al. **Ann Clin Lab Sci** 1984 Jul-Aug; 14(4):265–9
Abnormal membrane protein methylation and merocyanine 540 fluorescence in sickle erythrocyte membranes. Manna C, et al. **Biochem Med** 1984 Jun;31(3):362–70
Further investigation of methylation on sickle erythrocyte membranes. Ro JY, et al. **Biochem Med** 1983 Dec; 30(3):342–8
Sickled erythrocytes: a model to study the stabilization of the phospholipid bilayer in the red cell membrane. Roelofsen B, et al. **Biomed Biochim Acta** 1983; 42(11-12):S22–6
Sickling and Vinblastine. Ricci G, et al. **Biomed Pharmacother** 1983;37(2):85–7
An objective sign in painful crisis in sickle cell anemia: the concomitant reduction of high density red cells. Fabry ME, et al. **Blood** 1984 Aug;64(2):559–63
Bone marrow infarction in sickle cell anemia [letter] Maude GH. **Blood** 1984 Jan;63(1):243
Adherence of sickle erythrocytes to vascular endothelial cells: requirement for both cell membrane changes and plasma factors. Mohandas N, et al. **Blood** 1984 Jul; 64(1):282–7
Mechanical properties of oxygenated red blood cells in sickle cell (HbSS) disease. Nash GB, et al. **Blood** 1984 Jan; 63(1):73–82
Evidence for the presence of CFU-E with increased in vitro sensitivity to erythropoietin in sickle cell anemia. Pennathur-Das R, et al. **Blood** 1984 May;63(5):1168–71
Increased IgG molecules bound to the surface of red blood cells of patients with sickle cell anemia. Petz LD, et al. **Blood** 1984 Jul;64(1):301–4
Is there a threshold level of fetal hemoglobin that ameliorates morbidity in sickle cell anemia? Powars DR, et al. **Blood** 1984 Apr;63(4):921–6
Density ultracentrifugation of sickle cells during and after pain crisis: increased dense echinocytes in crisis. Warth JA, et al. **Blood** 1984 Aug;64(2):507–15
Preservation of deformability (filterability) of sickle cells by BW12C during progressive deoxygenation. Kenny MW, et al. **Br J Haematol** 1983 Nov;55(3):465–71
Inhibition of the in vitro formation of irreversibly sickled cells by cepharanthine. Ohnishi ST. **Br J Haematol** 1983 Dec;55(4):665–71
Effect of alpha thalassaemia on the rheology of homozygous sickle cell disease. Serjeant BE, et al. **Br J Haematol** 1983 Nov;55(3):479–86
The effect of spicules obtained from sickle red cells on clotting activity. Westerman MP, et al. **Br J Haematol** 1984 Apr;56(4):557–62
Blood rheology and proliferative retinopathy in sickle cell-haemoglobin C disease. Serjeant BE, et al. **Br J Ophthalmol** 1984 May;68(5):325–8
Substituted benzaldehydes designed to increase the oxygen affinity of human haemoglobin and inhibit the sickling of sickle erythrocytes. Beddell CR, et al. **Br J Pharmacol** 1984 Jun;82(2):397–407
The bactericidal and opsonic effects of serum from patients with sickle cell anaemia. Luo NK, et al. **Bull Soc Pathol Exot Filiales** 1983 Nov;76(5):657–67
Serum uric acid status of Nigerian children with sickle cell disease. Adeyokunnu AA, et al. **East Afr Med J** 1984 Feb; 61(2):145–9
Haemoglobin A1C in children with sickle cell disease. Juma FD, et al. **East Afr Med J** 1984 Jan;61(1):32–4
Life-threatening complications in a child with hemoglobin SD-Los Angeles disease. Kelleher JF Jr, et al. **Hemoglobin** 1984;8(3):203–13
Differential turnover of methyl groups on methyl-accepting membrane proteins of irreversibly sickled erythrocytes. Green GA, et al. **J Biol Chem** 1983 Nov 10; 258(21):12958–66
Concurrent sickle cell anemia and alpha-thalassemia. Effect on pathological properties of sickle erythrocytes. Embury SH, et al. **J Clin Invest** 1984 Jan;73(1):116–23
Static and dynamic rigidities of normal and sickle erythrocytes. Major influence of cell hemoglobin concentration. Evans E, et al. **J Clin Invest** 1984 Feb; 73(2):477–88
Glomerular function and hyperuricaemia in sickle cell disease. Morgan AG, et al. **J Clin Pathol** 1984 Sep; 37(9):1046–9
The sickling process in relation to clinical manifestations. Bellingham AJ. **J Clin Pathol [Suppl] (R Coll Pathol)** 1974; (8):23–5
Membrane-bound hemoglobin in the erythrocytes of sickle cell anemia. Sears DA, et al. **J Lab Clin Med** 1983 Nov; 102(5):694–8
Effects of carbon dioxide and pH variations in vitro on blood respiratory functions, red blood cell volume, transmembrane pH gradients, and sickling in sickle cell anemia. Ueda Y, et al. **J Lab Clin Med** 1984 Aug; 104(2):146–59
Relationship of glutathione levels and Heinz body formation to irreversibly sickled cells in sickle cell anemia. Wetterstroem N, et al. **J Lab Clin Med** 1984 Apr; 103(4):589–96
Opsonization of pneumococci by whole serum from sickle cell disease patients. Bloch EF, et al. **J Natl Med Assoc** 1984 Feb;76(2):179–82
Nocturnal oxygen desaturation in sickle cell anemia [letter] Walsh JK, et al. **JAMA** 1983 Nov 25;250(20):2789–90
Effects of oxygen inhalation on endogenous erythropoietin kinetics, erythropoiesis, and properties of blood cells in sickle-cell anemia. Embury SH, et al. **N Engl J Med** 1984 Aug 2;311(5):291–5
Orientation of sickle red blood cells in an alternating electric field. Vienken J, et al. **Naturwissenschaften** 1984 Mar; 71(3):158–60
Erythrocyte autoxidation and the membrane abnormalities of sickle red cells. Hebbel RP. **Prog Clin Biol Res** 1984; 159:219–25
Red cell membrane abnormalities in sickle cell anemia. Bookchin RM, et al. **Prog Hematol** 1983;13:1–23 (135 ref.)
Reduced plasma kininogen concentration during sickle cell crisis. Verma PS, et al. **Res Commun Chem Pathol Pharmacol** 1983 Aug; 41(2):313–22
Transfusion of frozen erythrocytes from a donor with sickle trait. Kelleher JF Jr, et al. **Transfusion** 1984 Mar-Apr; 24(2):167–8
[Structural and functional alterations of the erythrocyte membrane in sickle cell anemia] Bursaux E, et al. **Bull Eur Physiopathol Respir** 1983 Jul-Aug;19(4):345–50 (44 ref.) (Eng. Abstr.) (Fre)
[Diabetes and heterozygotic sickle-cell anemia: study of erythrocyte deformability] Abadie E, et al. **Pathol Biol (Paris)** 1984 Apr;32(4):256–9 (Eng. Abstr.) (Fre)
[Hemoglobin S as the cause of primary hyperviscosity of the blood] Mosca A, et al. **Ric Clin Lab** 1983;13 Suppl 3:115–20 (Eng. Abstr.) (Ita)

COMPLICATIONS

Human serum parvovirus as the cause of aplastic crisis in sickle cell disease. Kelleher JF Jr, et al. **Am J Dis Child** 1984 Apr;138(4):401–3
Cholelithiasis in patients with major sickle hemoglobinopathies. Rennels MB, et al. **Am J Dis Child** 1984 Jan;138(1):66–7
Myocardial infarction in sickle cell anemia. Barrett O Jr, et al. **Am J Hematol** 1984 Feb;16(2):139–47
Sickle cell anemia and epidural extramedullary hematopoiesis. Lewkow LM, et al. **Am J Med** 1984 Apr; 76(4):748–51
Clomiphene-responsive hypogonadism in sickle cell anemia. Landefeld CS, et al. **Ann Intern Med** 1983 Oct;99(4):480–3
Zinc supplementation and growth in sickle cell disease. Prasad AS, et al. **Ann Intern Med** 1984 Mar;100(3):367–71
Acute monocular visual loss secondary to anterior

communicating artery aneurysm in a patient with sickle cell disease. Caprioli J, et al. **Ann Ophthalmol** 1983 Sep; 15(9):873–6

Non-gouty arthritis in sickle cell disease: report of 37 consecutive cases. de Ceulaer K, et al. **Ann Rheum Dis** 1984 Aug;43(4):599–603

Anaemia in young primigravidae in the guinea savanna of Nigeria: sickle-cell trait gives partial protection against malaria. Fleming AF, et al. **Ann Trop Med Parasitol** 1984 Aug;78(4):395–404

Sickle cell disease in Sierra Leone: a clinical and haematological analysis in older children and adults. Knox-Macaulay HH. **Ann Trop Med Parasitol** 1983 Aug; 77(4):411–9

A case-control study in northern Liberia of Plasmodium falciparum malaria in haemoglobin S and beta-thalassaemia traits. Willcox M, et al. **Ann Trop Med Parasitol** 1983 Jun; 77(3):239–46

Hypertension and convulsions complicating sickle cell anaemia: possible role of transfusion. Hamdan JM, et al. **Ann Trop Paediatr** 1984 Mar;4(1):41–3

Iron deficiency and sickle cell anemia. Rao KR, et al. **Arch Intern Med** 1983 May;143(5):1030–2

Fat embolism in sickle cell disease. Report of a case with brief review of the literature. Shapiro MP, et al. **Arch Intern Med** 1984 Jan;144(1):181–2

Neurological complications of hemoglobin SC disease. Fabian RH, et al. **Arch Neurol** 1984 Mar;41(3):289–92

Indications for surgical management of hyphema in patients with sickle cell trait. Deutsch TA, et al. **Arch Ophthalmol** 1984 Apr;102(4):566–9

The sickle cell trait in relation to the training and assignment of duties in the armed forces: II. Aseptic splenic necrosis. Diggs LW. **Aviat Space Environ Med** 1984 Apr;55(4):271–6

The sickle cell trait in relation to the training and assignment of duties in the armed forces: III. Hyposthenuria, hematuria, sudden death, rhabdomyolysis, and acute tubular necrosis. Diggs LW. **Aviat Space Environ Med** 1984 May;55(5):358–64

Bone marrow infarction in sickle cell anemia [letter] Milner PF. **Blood** 1984 Feb;63(2):490

The effects of alpha-thalassaemia in HbSC disease. Steinberg MH, et al. **Br J Haematol** 1983 Nov;55(3):487–92

Sickle cell disease. Davies SC, et al. **Br J Hosp Med** 1984 Jun;31(6):440–4 (20 ref.)

Mandibular infarction occurring during a sickle cell crisis. Hammersley N. **Br J Oral Maxillofac Surg** 1984 Apr; 22(2):103–14

Prevention of pneumococcal infection in children with homozygous sickle cell disease. John AB, et al. **Br Med J [Clin Res]** 1984 May 26;288(6430):1567–70

Metabolic and endocrine basis of the growth retardation in sickle cell disease. Odonkor PO. **Bull Eur Physiopathol Respir** 1983 Jul–Aug;19(4):357–9

Cytomegalovirus pneumonia in sickle cell disease. Haddad JD, et al. **Chest** 1984 Aug;86(2):265–6

Retention of inhaled radioxenon in thoracic vertebrae during Hb S-thalassemia crisis. Shapiro H, et al. **Clin Nucl Med** 1984 May;9(5):296–7

Mild splenic sequestration crises in sickle-hemoglobin C disease. Andrews J, et al. **Clin Pediatr (Phila)** 1984 Jun; 23(6):354–5

Exchange transfusion in the management of CNS crisis in sickle cell disease. Jayabose S, et al. **Clin Pediatr (Phila)** 1983 Nov;22(11):776–7

Sickle cell-thalassemia associated with G6PD deficiency in an African girl in Tanzania. Kalokola FM, et al. **East Afr Med J** 1983 Jul;60(7):512–4

Uncommon sites of bone infarction in a sickle cell anemia patient. Garty I, et al. **Eur J Nucl Med** 1983;8(8):367–8

Bone infarction in children with sickle cell disease: early diagnosis and differentiation from osteomyelitis. Koren A, et al. **Eur J Pediatr** 1984 Jun;142(2):93–7

Complicated migraine in AS hemoglobinopathy. Bussone G, et al. **Eur Neurol** 1984;23(1):22–5

Hepatic biloma complicating sickle cell disease. A case report and a review of the literature. Middleton JP, et al. **Gastroenterology** 1984 Apr;86(4):743–4

Sickle cell disease: preoperative and postoperative management. A case report. Keller DL, et al. **J Am Podiatry Assoc** 1983 Nov;73(11):586–9

Tourniquet use in sickle cell disease patients. Martin WJ, et al. **J Am Podiatry Assoc** 1984 Jun;74(6):291–4

Sickle cell trait and use of the pneumatic tourniquet. A case report. Willinsky JS, et al. **J Am Podiatry Assoc** 1984 Jan; 74(1):38–41

Concurrent sickle cell anemia and alpha-thalassemia. Effect on pathological properties of sickle erythrocytes. Embury SH, et al. **J Clin Invest** 1984 Jan;73(1):116–23

Sickle cell diseasc and infection. Onwubalili JK. **J Infect** 1983 Jul;7(1):2–20 (130 ref.)

Pneumococcal sepsis in children with sickle cell disease. Samuels-Reid JH. **J Natl Med Assoc** 1984 Mar;76(3):289–92

Effect of penicillin prophylaxis on nasopharyngeal colonization with Streptococcus pneumoniae in children with sickle cell anemia. Anglin DL, et al. **J Pediatr** 1984 Jan;104(1):18–22

Overwhelming pneumococcal septicemia in a patient with HbSC disease and splenic dysfunction. Chilcote RR, et al. **J Pediatr** 1984 May;104(5):734–6

Long-term follow-up and booster immunization with polyvalent pneumococcal polysaccharide in patients with sickle cell anemia. Weintrub PS, et al. **J Pediatr** 1984 Aug; 105(2):261–3

Sickle cell beta thalassemia with absence of spleen (a case report). Hardikar JV, et al. **J Postgrad Med** 1983 Oct; 29(4):251–2

Sickle-cell-induced hematuria in pregnancy. The current diagnostic and therapeutic approach. Kassam SH, et al. **J Reprod Med** 1984 Feb;29(2):117–21

Diaphyseal bone infarctions in a patient with sickle cell trait. Lally EV, et al. **J Rheumatol** 1983 Oct;10(5):813–6

Automated erythrocytopheresis for relief of priapism in sickle cell hemoglobinopathies. Walker EM Jr, et al. **J Urol** 1983 Nov;130(5):912–6

Sickle cell trait and scuba diving [letter] Adams JG 3d. **JAMA** 1984 Apr 6;251(13):1681–2

Acute chest syndrome in sickle-cell disease. Davies SC, et al. **Lancet** 1984 Jan 7;1(8367):36–8

Role of splenectomy in homozygous sickle cell disease in childhood. Emond AM, et al. **Lancet** 1984 Jan 14; 1(8368):88–91

Clinical trial of the protective role of polyvalent pneumococcal vaccine in sickle cell anaemia patients in Zambia. Chintu C, et al. **Med J Zambia** 1983 Jul;17(3):73–6

Opinions related to vascular occlusive lesions in individuals with the sickle cell trait (SCT). Diggs LW. **Milit Med** 1983 Sep;148(9):757–8

Fulminant pneumococcal sepsis in an adult with sickle-cell anemia [letter] Greene JR, et al. **N Engl J Med** 1984 Sep 6;311(10):674

Bone-marrow transplantation in a patient with sickle-cell anemia. Johnson FL, et al. **N Engl J Med** 1984 Sep 20; 311(12):780–3

Zinc deficiency in a patient with sickle cell disease. Subramanian L, et al. **Nutr Rev** 1983 Jul;41(7):217–9

A study of oral pain experience in sickle cell patients. Cox GM. **Oral Surg** 1984 Jul;58(1):39–41

Cerebral blood flow in sickle cell cerebrovascular disease. Huttenlocher PR, et al. **Pediatrics** 1984 May;73(5):615–21

Fatal acute splenic sequestration at 4 months of age. Walterspiel JN, et al. **Pediatrics** 1984 Apr;73(4):507–8

Protrusio acetabuli in sickle-cell anemia. Martinez S, et al. **Radiology** 1984 Apr;151(1):43–4

First parvovirus linked to human disease. Marx JL. **Science** 1984 Jan 13;223(4632):152–3

Actinomycetes as the causative organism of osteomyelitis in sickle cell disease. Barter SJ, et al. **Skeletal Radiol** 1984; 11(4):271–3

Case report 254. Salmonella osteomyelitis of radius associated with sickle cell disease. Magid D, et al. **Skeletal Radiol** 1984;11(1):60–4

Morbidity of sickle cell trait at high altitude. Nussbaum RL, et al. **South Med J** 1984 Aug;77(8):1049–50

Treatment of neovascularization, vitreous hemorrhage, and retinal detachment in sickle cell retinopathy. Goldberg MF, et al. **Trans New Orleans Acad Ophthalmol** 1983;:53–81

Sickle cell trait, malaria and anaemia in pregnant Zambian women. van Dongen PW, et al. **Trans R Soc Trop Med Hyg** 1983;77(3):402–4

Detection of fetal-maternal hemorrhage in a mother with sickle trait and hereditary persistence of fetal hemoglobin. Krauss JS, et al. **Transfusion** 1983 Nov–Dec;23(6):530–1

Sickle cell disease: acute splenic sequestration crisis. Sabio H, et al. **Va Med** 1983 Dec;110(12):717–8

[Hematuria in a patient with an abnormal hemoglobin] Peters SH, et al. **Ned Tijdschr Geneeskd** 1984 Jun 23; 128(25):1169–71 **(Dut)**

[Hemoglobinopathies and arterial pathology] Debray J, et al. **Ann Med Interne (Paris)** 1983;134(5):385–9 (Eng. Abstr.) **(Fre)**

[Sickle-cell cardiomegaly in children. Study of 13 cases] Girardet JP, et al. **Arch Fr Pediatr** 1983 Aug–Sep; 40(7):525–30 (Eng. Abstr.) **(Fre)**

[Anatomical and pathophysiological bases of renal disorders in sickle cell syndrome patients and carriers of the trait] Galacteros F. **Bull Eur Physiopathol Respir** 1983 Jul–Aug; 19(4):351–5 (71 ref.) (Eng. Abstr.) **(Fre)**

[Account of a macular hemorrhage in a 25-year-old Congolese man with homozygous sickle cell anemia] Menez B. **Med Trop (Mars)** 1984 Jan–Mar;44(1):70–2 (Eng. Abstr.) **(Fre)**

[Retinal ischaemia and haemoglobinoses] Sahel J, et al. **Rev Otoneuroophtalmol** 1983 May–Jun;55(3):189–96 (Eng. Abstr.) **(Fre)**

[Fecundity in a Brazilian sample of women with sickle cell anemia] Hutz MH, et al. **AMB** 1983 Mar–Apr;29(3-4):66–8 (Eng. Abstr.) **(Por)**

[Hemoglobinopathy S with an interaction of HbS and Hb G-Ferrara] Cañizares ME, et al. **Sangre (Barc)** 1983; 28(6):770–4 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Newborn screening for sickling hemoglobinopathies. Houston, 1976 to 1980. Nussbaum RL, et al. **Am J Dis Child** 1984 Jan;138(1):44–8

Sickle cell retinopathy in Jamaican children: a search for prognostic factors. Talbot JF, et al. **Br J Ophthalmol** 1983 Nov;67(11):782–5

Highly sensitive and rapid gene mapping using miniaturized blot hybridization: application to prenatal diagnosis. Law DJ, et al. **Gene** 1984 May;28(2):153–8

Antenatal diagnosis of sickle-cell anaemia by means of DNA restriction analysis. Ramsay M, et al. **S Afr Med J** 1984 Jul 7;66(1):7–10

[Anemia and icterus: thalassemia and sickle cell anemia] König JW, et al. **Med Welt** 1983 Aug 26;34(33-34):872–3 **(Ger)**

DRUG THERAPY

Treatment of sickle cell diseases with aspirin. Zago MA, et al. **Acta Haematol (Basel)** 1984;72(1):61–4

Treatment of acute sickle cell crises with a vasopressin analogue. Charache S, et al. **Am J Hematol** 1983 Dec; 15(4):315–9

Historical review of legislative and national initiatives for sickle cell disease. Scott RB. **Am J Pediatr Hematol Oncol** 1983 Winter;5(4):346–51

Prolongation of sickle cell survival by dimethyl adipimidate is compromised by immune sensitization. Guis MS, et al. **Blood** 1984 Jul;64(1):161–5

Ascorbic acid in sickle cell disease: results of a pilot therapeutic trial. Akinkugbe FM, et al. **East Afr Med J** 1983 Oct;60(10):683–7

Flunarizine in microdrepanocytic disease [letter] Finelli C, et al. **Haematologica (Pavia)** 1984 Mar–Apr;69(2):233–4

Hydroxyurea enhances fetal hemoglobin production in sickle cell anemia. Platt OS, et al. **J Clin Invest** 1984 Aug; 74(2):652–6

Penicillin prophylaxis in sickle cell disease [letter] Marks MI. **J Pediatr** 1984 Jul;105(1):175–6

Effect of pentoxifylline on sickle cell thalassaemia: haemorheological and clinical results. Seiffge D, et al. **Klin Wochenschr** 1983 Nov 15;61(22):1159–60

Potential use of biaromatic L-phenylalanyl derivatives as therapeutic agents in the treatment of sickle cell disease. Votano JR, et al. **Proc Natl Acad Sci USA** 1984 May; 81(10):3190–4

Globin gene studies create a puzzle. Kolata G. **Science** 1984 Feb 3;223(4635):470–1

ECONOMICS

Legislation and funding for sickle cell services, 1972–1982. Manley AF. **Am J Pediatr Hematol Oncol** 1984 Spring; 6(1):67–71

ENZYMOLOGY

Serum aminotransferase activities in sickle cell children during crises. Osifo BO, et al. **Acta Trop (Basel)** 1984 Jun; 41(2):173–9

Depressed erythrocyte glutathione reductase activity in sickle cell disease. Varma RN, et al. **Am J Clin Nutr** 1983 Dec; 38(6):884–7

Preliminary report on G6PD and sickling test in a malarial area: a concurrent study to malarial nephropathy. Otieno LS, et al. **East Afr Med J** 1983 May;60(5):310–3

ETIOLOGY

One view of the pathogenesis of sickle cell diseases. Charache S. **Bull Eur Physiopathol Respir** 1983 Jul–Aug;19(4):361–6

FAMILIAL & GENETIC

Estimation of the marker gene frequency and linkage disequilibrium from conditional marker data. Chakravarti A, et al. **Am J Hum Genet** 1984 Jan;36(1):177–86

Heterogeneity of sickle-cell anemia based on a profile of hematological variables. Odenheimer DJ, et al. **Am J Hum Genet** 1983 Nov;35(6):1224–40

Molecular genetics of the sickling syndromes: evolution of new strategies for improved diagnosis. Benz EJ Jr. **Am J Pediatr Hematol Oncol** 1984 Spring;6(1):59–66

Two independent genetic factors in the beta-globin gene cluster are associated with high G gamma-levels in the HbF of SS patients. Gilman JG, et al. **Blood** 1984 Aug; 64(2):452–7

Increased HbF in sickle cell anemia is determined by a factor linked to the beta S gene from one parent. Milner PF, et al. **Blood** 1984 Jan;63(1):64–72

Sickle cell-beta +-thalassaemia: a haematological and clinical study in Liberia. Bienzle U, et al. **Blut** 1983 Nov; 47(5):279–85

Sickle cell disease. Davies SC, et al. **Br J Hosp Med** 1984 Jun;31(6):440–4 (20 ref.)

Alpha-1-antitrypsin phenotypes in sickle cell anaemia. Adekile AD, et al. **East Afr Med J** 1984 Feb;61(2):136–9

Multivariate study of birth weight and maternal heterozygosity for sickle cell anemia in Bahia, Brazil. das Graças de Freitas Sousa M, et al. **Hum Hered** 1984; 34(1):40–5

Sickle cell gene in the Mina tribal population of Kherwara tehsil of Udaipur district in Rajasthan. Jain RC, et al. **Indian J Med Res** 1983 Oct;78:552–5

Sickle cell & thalassaemic genes in the tribal population of Rajasthan. Jain RC, et al. **Indian J Med Res** 1983 Dec; 78:836–40

Gene switching — a new therapeutic epoch: discussion paper. Nalbandian RM, et al. **J R Soc Med** 1984 Mar;77(3):217–20

Sickle cell anaemia and reincarnation beliefs in Nigeria [letter] Edelstein SJ, et al. **Lancet** 1983 Nov 12;2(8359):1140

Hemoglobin Setif and in vitro pseudosickling noted in a family with co-existent alpha and beta thalassemia. Raik E, et al. **Pathology** 1983 Oct;15(4):453–6

Origin of the beta S-globin gene in blacks: the contribution of recurrent mutation or gene conversion or both.

Antonarakis SE, et al. **Proc Natl Acad Sci USA** 1984 Feb; 81(3):853–6

5-Azacytidine increases fetal hemoglobin production in a patient with sickle cell disease. Dover GJ, et al. **Prog Clin Biol Res** 1983;134:475–88

A family with sickle cell trait and hereditary spherocytosis. Babiker MA, et al. **Scand J Haematol** 1984 Jul;33(1):54–8

A study of a Caucasian family with variant von Willebrand's disease in association with vascular telangiectasia and haemoglobinopathy. Hanna W, et al. **Thromb Haemost** 1984 Apr 30;51(2):275–8

[A new focus of the sickle cell gene in Israel] Goldberg A, et al. **Harefuah** 1983 Jan 2;104(1):9–10 (Eng. Abstr.) **(Heb)**

HISTORY

Sickle cell anemia 35 years ago: reminiscence of early African studies. Lehmann H. **Am J Pediatr Hematol Oncol** 1984 Spring;6(1):72–6

IMMUNOLOGY

Trivalent, inactivated influenza virus vaccine in children with sickle cell disease. Glezen WP, et al. **Am J Dis Child** 1983 Nov;137(11):1095–7

Serum autoantibodies in patients with sickle cell anemia. Quismorio FP Jr, et al. **Am J Med Sci** 1984 Jan–Feb; 287(1):13–5

Monocyte functions in sickle cell disorders. Mahoney DH Jr, et al. **Am J Pediatr Hematol Oncol** 1983 Winter; 5(4):409–11

Phagocytosis of sickle erythrocytes: immunologic and oxidative determinants of hemolytic anemia. Hebbel RP, et al. **Blood** 1984 Sep;64(3):733–41

Mononuclear cells in sickle cell disease: subpopulations and in vitro response to mitogens. Hendriks J, et al. **J Clin Lab Immunol** 1984 Mar;13(3):129–32

Phagocytosis in patients with sickle cell disease. Hernandez DE, et al. **J Clin Lab Immunol** 1983 Nov;12(3):137–40

Characteristics of I and i antigen receptors on the membrane of erythrocytes in sickle cell anemia. Basu MK, et al. **J Lab Clin Med** 1984 May;103(5):712–9

A family study of IgG subclasses in sickle cell anemia. Outschoorn IM, et al. **Microbiol Immunol** 1983;27(11):953–9

IgG2 deficiency in sickle cell anaemia. Natta CL, et al. **Scand J Haematol** 1984 Aug;33(2):129–34

METABOLISM

A novel phospholipid in irreversibly sickled cells: evidence for in vivo peroxidative membrane damage in sickle cell disease. Jain SK, et al. **Blood** 1984 Feb;63(2):362–7

Beta-thalassemia and sickle cell disease in culture of early erythroid precursors: hemoglobin synthesis and ultrastructural study. Beuzard Y, et al. **Blood Cells** 1981; 7(1):179–200

Biotechnology in medicine [editorial] Green AM. **Can Med Assoc J** 1984 Mar 1;130(5):558–9

Effect of dietary nitrogen on urinary excretion of non-protein nitrogen in adolescent sickle cell patients. Odonkor PO, et al. **Hum Nutr Clin Nutr** 1984 Jan;38(1):23–9

Iron stores in adults with sickle cell anemia. Rao KR, et al. **J Lab Clin Med** 1984 May;103(5):792–7

NURSING

Nursing care of the sickle cell anemic patient in labor. Ship-Horowitz T. **JOGN Nurs** 1983 Nov-Dec;12(6):381–6

OCCURRENCE

Sickle Lepore hemoglobin identified in a black American infant. Headings VE, et al. **Am J Pediatr Hematol Oncol** 1983 Fall;5(3):259–64

The Puerto Rico Sickle Cell Disease Clinic and its transition into a genetic disease program. Santiago Borrero PJ. **Bol Asoc Med PR** 1983 Dec;75(12):538–40

Screening cord blood for sickle haemoglobinopathies in Brent. Henthorn J, et al. **Br Med J [Clin Res]** 1984 Aug 25;289(6443):479–80

Incidence of sickle cell disease in Chandrapur area. Bobhate SK, et al. **Indian J Med Sci** 1983 Nov;37(11):201–3

The application of a modified follow-up life table technique to the study of outpatient clinic services for sickle-cell patients. Oyejide OC, et al. **Int J Epidemiol** 1984 Mar; 13(1):107–11

Sickle-cell anemia in the tribes of Orissa [letter] Kar BC. **J Assoc Physicians India** 1983 May;31(5):321

Sickle cell screening [letter] Miller JM. **J Natl Med Assoc** 1984 Apr;76(4):328–9, 332

Sickle cell trait, malaria and anaemia in Zambian pregnant women. van Dongen PW, et al. **Med J Zambia** 1982 May-Jul;16(3):58–62

Sickle cell trait (SCT): an opposing view [editorial] Butkus DE. **Milit Med** 1984 Mar;149(3):164–5

The sickle cell trait: a rebuttal. Caldwell CW. **Milit Med** 1984 Mar;149(3):125–9 (64 ref.)

Survey of sickle cell disease in the Netherlands. Aluoch JR. **Trop Geogr Med** 1984 Jun;36(2):115–22

[Sickle cell disease in the Netherlands, a survey] Aluoch JR. **Ned Tijdschr Geneeskd** 1984 Jun 23;128(25):1175–9 (Eng. Abstr.) **(Dut)**

[Round table: Epidemiology of sickle cell disease in Central and West Africa] **Bull Eur Physiopathol Respir** 1983 Jul-Aug;19(4):381–3 **(Fre)**

PATHOLOGY

Bone marrow in sickle cell anaemia at time of anaemic crisis. Nkrumah FK, et al. **Arch Dis Child** 1984 Jun;59(6):561–5

Pathological effects of sickle cell anemia on the pulp. Cox GM, et al. **ASDC J Dent Child** 1984 Mar-Apr;51(2):128–32

Alpha thalassaemia and the macular vasculature in homozygous sickle cell disease. Condon PI, et al. **Br J Ophthalmol** 1983 Nov;67(11):779–81

Retinal changes in sickle cell/hereditary persistence of fetal haemoglobin syndrome. Talbot JF, et al. **Br J Ophthalmol** 1983 Nov;67(11):777–8

Measurement of red cell sickling: a method for studying the efficacy of antisickling drugs under physiological conditions. Ohnishi ST, et al. **Can J Physiol Pharmacol** 1983 Aug;61(8):941–5

A vascular necrosis of the lunate and sickle cell anemia. A case report. Lanzer W, et al. **Clin Orthop** 1984 Jul-Aug; (187):168–71

Hemoglobin S-mediated membrane oxidant injury: protection from malaria and pathology in sickle cell disease. Anastasi J. **Med Hypotheses** 1984 Jul;14(3):311–20

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 52-1983. Pulmonary hypertension associated with abnormal hemoglobin. **N Engl J Med** 1983 Dec 29;309(26):1627–36

Pathology of sickle cell disorders. Chauhan PM, et al. **Pathol Annu** 1983;18 Pt 2:253–76 (104 ref.)

Sickle cell beta-thalassaemia compared with sickle cell anaemia in Algeria. Belhani M, et al. **Scand J Haematol** 1984 Apr;32(4):346–50

Heart size and chest shape in homozygous sickle cell disease. Morais PV, et al. **West Indian Med J** 1983 Sep;32(3):157–60

[Cardiac changes in sickle cell anemia] Herdy GV, et al. **Arq Bras Cardiol** 1983 May;40(5):311–5 (Eng. Abstr.) **(Por)**

PHYSIOPATHOLOGY

Mild clinical course in two South African cases of sickle-cell anaemia. Mathew C, et al. **Acta Haematol (Basel)** 1984; 71(4):247–50

Cardiac size and function in children with sickle cell anemia. Balfour IC, et al. **Am Heart J** 1984 Aug;108(2):345–50

The sickle cell trait in relation to the training and assignment of duties in the Armed Forces: I. Policies, observations, and studies. Diggs LW. **Aviat Space Environ Med** 1984 Mar;55(3):180–5

The sickle cell trait in relation to the training and assignment of duties in the armed forces: IV. Considerations and recommendations. Diggs LW. **Aviat Space Environ Med** 1984 Jun;55(6):487–92

Decrease of transport of some polyols in sickle cells. Craescu CT, et al. **Biochim Biophys Acta** 1984 Sep 5;775(3):291–6

Effects of thalassemia and microcytosis on the hematologic and vasoocclusive severity of sickle cell anemia. Steinberg MH, et al. **Blood** 1984 Jun;63(6):1353–60

Cardiorespiratory adjustments in chronic sickle cell anemia. Lonsdorfer J, et al. **Bull Eur Physiopathol Respir** 1983 Jul-Aug;19(4):339–44

A noninvasive comparison of left ventricular performance in sickle cell anemia and chronic aortic regurgitation. Willens HJ, et al. **Clin Cardiol** 1983 Nov;6(11):542–8

Sickle cell trait, maternal age and pregnancy outcome in primiparous women. Hoff C, et al. **Hum Biol** 1983 Dec; 55(4):763–70

Sickle cell anemia in podiatric surgery. Caputi R, et al. **J Foot Surg** 1984 Mar-Apr;23(2):135–45

Splenic function in children with hemoglobin SC disease and sickle beta-thalassemia. Sills RH. **J Natl Med Assoc** 1983 Oct;75(10):991–4

Splenic function in sickle cell disease in the Eastern Province of Saudi Arabia. Al-Awamy B, et al. **J Pediatr** 1984 May; 104(5):714–7

Growth patterns by age and sex in children with sickle cell disease. Phebus CK, et al. **J Pediatr** 1984 Jul;105(1):28–33

Pressure effects on the flow behavior of sickle (HbSS) red cells in isolated (ex-vivo) microvascular system. Kaul DK, et al. **Microvasc Res** 1983 Sep;26(2):170–81

Influence of sickle hemoglobinopathies on growth and development. Platt OS, et al. **N Engl J Med** 1984 Jul 5; 311(1):7–12

Sudden fatal sickling in a previously healthy HbSC adult. Schneider AJ, et al. **Neth J Med** 1983;26(10):304–8

[Sickle cell disease in the Netherlands] Statius van Eps LW. **Ned Tijdschr Geneeskd** 1984 Jun 23;128(25):1196–8 **(Dut)**

[Short papers and abstracts on sickle cell disease. Abidjan, 4–11 February 1983] **Bull Eur Physiopathol Respir** 1983 Jul-Aug;19(4):367–80 **(Fre)**

[Physiopathology of sickle cell anemia (editorial)] Poyart C. **Bull Eur Physiopathol Respir** 1983 Jul-Aug;19(4):329–30 **(Fre)**

[Behavior of platelet populations in drepanocytosis and thalasso-drepanocytosis before and after splenectomy] Marrali V. **Minerva Pediatr** 1983 Dec 31;35(23–24):1211–3 (Eng. Abstr.) **(Ita)**

PREVENTION & CONTROL

Is a national program to prevent sickle cell disease possible? Bowman JE. **Am J Pediatr Hematol Oncol** 1983 Winter; 5(4):367–72

A decade of screening in the hemoglobinopathies: is a national program to prevent sickle cell anemia possible? Rucknagel DL. **Am J Pediatr Hematol Oncol** 1983 Winter; 5(4):373–7

Sickle haemoglobin and pregnancy [letter] Tuck SM, et al. **Br Med J [Clin Res]** 1983 Oct 15;287(6399):1143–4

Management of sickle-cell disease. Stuart J. **J Clin Pathol [Suppl] (R Coll Pathol)** 1974;(8):26–31

RADIOGRAPHY

Computed tomography of the spleen and liver in sickle cell disease. Magid D, et al. **AJR** 1984 Aug;143(2):245–9

Unusual presentation of anaerobic osteomyelitis. Patton HM, et al. **Am J Med** 1983 Oct;75(4):724–6

Urographic changes in homozygous sickle cell disease. Odita JC, et al. **Diagn Imaging** 1983;52(5):259–63

RADIONUCLIDE IMAGING

Splenic accumulation of [99mTc]methylene diphosphonate in sickle cell-thalassemia disease. Georgiou E, et al. **Int J Nucl Med Biol** 1983;10(4):269–70

THERAPY

Catechol-O-methyltransferase activity in erythrocytes of pregnant women with sickle cell disease before, during, and after transfusion and partial exchange transfusion. Cunningham FG, et al. **Am J Obstet Gynecol** 1983 Nov 1;147(5):573–5

Continuous fetal monitoring during partial exchange transfusion in a patient with sickle cell disease crisis. Hughes RS, et al. **Am J Obstet Gynecol** 1984 Mar 15; 148(6):819–21

Erythrocytapheresis in pregnant patients with sickle hemoglobinopathies. Morrison JC, et al. **Am J Obstet Gynecol** 1984 Aug 15;149(8):912–4

Isovolumetric partial exchange transfusion in the management of sickle cell disease in pregnancy. II. Simplified ambulatory technique. Nagey DA, et al. **Am J Obstet Gynecol** 1983 Nov 15;147(6):693–6

Overview of humanistic progress in sickle cell anemia during the past 10 years. Nash KB. **Am J Pediatr Hematol Oncol** 1983 Winter;5(4):352–9

Management of sickle cell disease: progress during the past 10 years. Smith JA. **Am J Pediatr Hematol Oncol** 1983 Winter;5(4):360–6

Hypertension and a seizure following transfusion in an adult with sickle cell anemia. Warth JA. **Arch Intern Med** 1984 Mar;144(3):607–8

Effect of transfusion therapy on arteriographic abnormalities and on recurrence of stroke in sickle cell disease. Russell MO, et al. **Blood** 1984 Jan;63(1):162–9

Sickle cell anaemia, oxygen treatment, and anaemic crisis. Solanki DL. **Br Med J [Clin Res]** 1983 Sep 10; 287(6394):725–6

Effect of blood transfusion on iron status in sickle cell anaemia. Davies S, et al. **Clin Lab Haematol** 1984;6(1):17–22

Managing the parturient with sickle cell crisis. Martin JN Jr, et al. **Clin Obstet Gynecol** 1984 Mar;27(1):39–49

Patterns of clinic visits among sickle cell patients in Ibadan, Nigeria and Oakland CA. U.S.A. Oyejide C, et al. **East Afr Med J** 1983 Oct;60(10):679–82

Recurrent cerebral ischemia during hypertransfusion therapy in sickle cell anemia. Buchanan GR, et al. **J Pediatr** 1983 Dec;103(6):921–3

Sickle cell anemia. Pathophysiology and treatment. Alavi JB. **Med Clin North Am** 1984 May;68(3):545–56 (73 ref.)

A delayed hemolytic transfusion reaction after partial exchange transfusion for sickle cell disease in pregnancy: a case report and review of the literature. Brumfield CG, et al. **Obstet Gynecol** 1984 Mar;63(3 Suppl):13S–15S

Successful pregnancy with sickle cell disease and renal transplantation. Westney LS, et al. **Obstet Gynecol** 1984 May;63(5):752–5

[The treatment of sickle cell disease] Aluoch JR. **Ned Tijdschr Geneeskd** 1984 Jun 23;128(25):1187–90 **(Dut)**

[Treatment of major drepanocytosis] Van Ros G. **Ann Soc Belg Med Trop** 1983 Sep;63(3):183–91 **(Fre)**

[Neurologic complications after blood transfusion in patients with chronic anemia [editorial] Menghi P, et al. **Pediatria (Napoli)** 1983 Jun-Sep;91(2–3):121–9 (Eng. Abstr.) **(Ita)**

ANEMIA, SIDEROBLASTIC

see related
FOLIC ACID DEFICIENCY
PYRIDOXINE DEFICIENCY

Sideroblastic syndrome. **Cent Afr J Med** 1984 May;30(5):91

BLOOD

Sideroblastic anemia: differences in bone marrow erythroid colony (CFUE) growth responses to erythropoietin in plasma clot and methylcellulose cultures. Lutton JD, et al. **Am J Hematol** 1984 Apr;16(3):219–26

Iron absorption in non-transfused iron loading anaemias: prediction of risk for iron loading, and response to iron chelation treatment, in beta thalassaemia intermedia and congenital sideroblastic anaemias. Pippard MJ, et al. **Haematologia (Budap)** 1984;17(1):17–24

Erythroid and granulocyte/macrophage progenitor cells in primary acquired sideroblastic anemia. Mizoguchi H, et al. **Int J Cell Cloning** 1983 Apr;1(1):15–23

Acquired alteration in the expression of blood groups in a patient with sideroblastic anemia and chronic renal failure. Levine MN, et al. **Transfusion** 1984 Jan–Feb;24(1):8–12

[Refractory and sideroblastic anemias] Fereberger W. **Wien Med Wochenschr** 1984 Feb 29;134(3–4):85–9 (Eng. Abstr.) **(Ger)**

[Evaluation of the distribution spectrum of bone marrow granulocyte–CFU and its prognostic significance in dysmyelopoietic syndromes] Ghizzi A, et al. **Boll Soc Ital Biol Sper** 1984 Feb 28;60(2):397–403 (Eng. Abstr.) **(Ita)**

[Case of primary acquired sideroblastic anemia—with special reference to functional examinations of granulocytes, lymphocytes and platelets] Fujii M, et al. **Rinsho Ketsueki** 1983 Feb;24(2):197–205 (Eng. Abstr.) **(Jpn)**

CHEMICALLY INDUCED

Sideroblastic anaemia associated with lincomycin therapy. Kokkini G, et al. **Postgrad Med J** 1983 Dec;59(698):796–8

COMPLICATIONS

Idiopathic acquired sideroblastic anaemia transforming to acute myelosclerosis. Bested AC, et al. **J Clin Pathol** 1984 Sep;37(9):1032–4

Marrow failure with sideroblasts in an autoimmune haemolytic crisis. Allison MC, et al. **Postgrad Med J** 1984 Aug;60(706):554–5

[Acute lymphoblastic leukemia in a case of idiopathic, refractory, sideroblastic anemia] Gómez Huelgas R, et al. **Sangre (Barc)** 1984;29(2):211–5 (Eng. Abstr.) **(Spa)**

CONGENITAL

[Refractory sideroblastic anemia with vacuolization of marrow precursors and exocrine pancreatic dysfunction. Study of a new case] Demeocq F, et al. **Arch Fr Pediatr** 1983 Oct;40(8):631–5 (Eng. Abstr.) **(Fre)**

DRUG THERAPY

[Iron chelate treatment of hereditary sideroblastic anemia complicated by hemochromatosis] Kremp L, et al. **Arch Fr Pediatr** 1983 Jun–Jul;40(6):475–7 (Eng. Abstr.) **(Fre)**

[Major sideroblastosis corrected by simple administration of folates (letter)] Sztern B, et al. **Presse Med** 1984 Jul 14–21; 13(29):1789 **(Fre)**

ETIOLOGY

Late onset pyridoxine–responsive sideroblastic anaemia after allogeneic bone marrow transplantation. Nicholls MD, et al. **Br J Haematol** 1984 Jan;56(1):153–6

Severe iron deficiency causing loss of ring sideroblasts. Stavem P, et al. **Scand J Haematol** 1983 Oct;31(4):389–91

[Sideroblastic anemia, lead poisoning and wine from Bordeaux] Conso F, et al. **Ann Med Interne (Paris)** 1984; 135(1):43–5 (Eng. Abstr.) **(Fre)**

FAMILIAL & GENETIC

Gene dosage effect for beta-glucuronidase (GUSB) in monosomy 7 cells of patients with myeloproliferative disorders. Danesino C, et al. **Acta Anthropogenet** 1983; 7(2):133–42

IMMUNOLOGY

Functional defects in phagocytic cells from patients with iron overload. van Asbeck BS, et al. **J Infect** 1984 May; 8(3):232–40

PATHOLOGY

Acute leukemia following acquired idiopathic sideroblastic anemia. A case report with description of clinical, morphological and cytochemical features. Bernardeschi P, et al. **Haematologica (Pavia)** 1984 Jan–Feb;69(1):59–64

[Cytogenetic and granulopoietic studies in myelodysplastic syndromes. Their correlation] Larripa I, et al. **Sangre (Barc)** 1983;28(4):429–38 (Eng. Abstr.) **(Spa)**

ANEMIA, SPLENIC see **HYPERSPLENISM**

ANEMIA, TARGET CELL see **THALASSEMIA**

ANENCEPHALY

[Anencephaly: case contribution and critical review of the literature] Romani R, et al. **Minerva Pediatr** 1984 Feb 15; 36(3):115–20 (Eng. Abstr.) **(Ita)**

BLOOD

Feto-maternal plasma oxytocin levels in normal and anencephalic pregnancies. Otsuki Y, et al. **Acta Obstet Gynecol Scand** 1983;62(3):235–7

Extra-adrenal deoxycorticosterone production in hypoestrogenic pregnancies: Serum concentrations of progesterone and deoxycorticosterone in anencephalic fetuses and in women pregnant with an anencephalic fetus. Parker CR Jr, et al. **Am J Obstet Gynecol** 1983 Oct 15; 147(4):415–22

Hyperzincemia in anencephaly and spina bifida: a clue to the pathogenesis of neural tube defects? Zimmerman AW. **Neurology (NY)** 1984 Apr;34(4):443–50

CEREBROSPINAL FLUID

[CSF dynamics of hydranencephaly] Yamada H, et al. **Neurol Med Chir (Tokyo)** 1983 Apr;23(4):255–61 (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

Congenital malformations associated with anencephaly in the Fylde peninsula of Lancashire. David TJ, et al. **J Med Genet** 1983 Oct;20(5):338–41

DIAGNOSIS

Prenatal diagnostic studies in a case of twins discordant for anencephaly [letter] Mennuti MT, et al. **Am J Med Genet** 1978;2(4):415–6

Maternal zinc status: a determination of central nervous system malformation. Buamah PK, et al. **Br J Obstet Gynaecol** 1984 Aug;91(8):788–90

Amniotic fluid fibrinolytic system in fetal neural tube defects. Legge M. **Prenat Diagn** 1983 Apr–Jun;3(2):145–9

[Serum alpha-fetoprotein screening tests in the prevention of closure defects (a multicenter study)] Pejtsik B, et al. **Orv Hetil** 1984 Mar 18;125(12):699–702 (Eng. Abstr.) **(Hun)**

[Ultrasonography and anencephaly] Colombo D, et al. **Minerva Med** 1984 Apr 7;75(14–15):801–5 (Eng. Abstr.) **(Ita)**

EMBRYOLOGY

In utero brain destruction resulting in collapse of the fetal skull, microcephaly, scalp rugae, and neurologic impairment: the fetal brain disruption sequence. Russell LJ, et al. **Am J Med Genet** 1984 Feb;17(2):509–21

Sinusoidal fetal heart rate pattern in hydranencephaly. A case report. Cotton DB, et al. **J Reprod Med** 1983 Sep; 28(9):631–3

ETIOLOGY

Investigation of a cluster of anencephaly and spina bifida. Hearey CD, et al. **Am J Epidemiol** 1984 Oct;120(4):559–64

Congenital hydranencephaly/porencephaly due to vascular disruption in monozygotic twins. Jung JH, et al. **Pediatrics** 1984 Apr;73(4):467–9

[Hydranencephaly. Pathogenetic considerations] Careaga Maldonado J, et al. **Arch Neurobiol (Madr)** 1983 Nov–Dec; 46(6):377–84 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Discordant anencephaly in a set of triplets. D'Alton ME, et al. **Acta Genet Med Gemellol (Roma)** 1984;33(1):71–3

METABOLISM

Exclusion of the fetal brain as the main source of rat and human amniotic fluid oxytocin. Swaab DF, et al. **Br J Obstet Gynaecol** 1983 Dec;90(12):1160–7

Evolution of lactotropes in normal and anencephalic human fetuses. Begeot M, et al. **J Clin Endocrinol Metab** 1984 Apr;58(4):726–30

Immunohistochemical localization of substance P in anencephalic human fetus spinal cord. Charnay Y, et al. **Neurosci Lett** 1983 Oct 10;40(3):239–43

Zinc levels of serum, plasma, erythrocytes and hair in Turkish women with anencephalic babies. Cavdar AO, et al. **Prog Clin Biol Res** 1983;129:99–106

Cellular zinc accumulation in anencephaly and spina bifida. Zimmerman AW, et al. **Z Kinderchir** 1983 Dec;38 Suppl 2:65–7

[Immunoglobulin M and alpha 2-macroglobulin in the amniotic fluid in neural tube defects] Briese V, et al. **Zentralbl Gynakol** 1983;105(15):977–81 (Eng. Abstr.) **(Ger)**

MORTALITY

Survival in infants with anencephaly. Baird PA, et al. **Clin Pediatr (Phila)** 1984 May;23(5):268–71

OCCURRENCE

Epidemiology of neural tube defects in Utah, 1940–1979. Jorde LB, et al. **Am J Epidemiol** 1984 Apr;119(4):487–95

A population-based case-control study of anencephalus and spina bifida in a low-risk area. Strassburg MA, et al. **Dev Med Child Neurol** 1983 Oct;25(5):632–41 (29 ref.)

Investigation of area differences in the prevalence at birth of anencephalus in Belfast. Elwood JH, et al. **Int J Epidemiol** 1984 Mar;13(1):45–52

Seasonal variation in the frequency of anencephalus and spina bifida births in the United Kingdom. Maclean MH, et al. **J Epidemiol Community Health** 1984 Jun;38(2):99–102

Anencephaly: disappearing in Kuwait? [letter] Al-Awadi SA, et al. **Lancet** 1984 Sep 22;2(8404):701–2

PATHOLOGY

Intrauterine purulent encephalitis with early stage of hydranencephaly. Case report. Hori A, et al. **Acta Neuropathol (Berl)** 1984;64(1):72–4

Aberrant twinning (diprosopus) associated with anencephaly. Moerman P, et al. **Clin Genet** 1983 Oct;24(4):252–6

Calvarial defect in human anencephaly. Chaurasia BD. **Teratology** 1984 Apr;29(2):165–72

[Conjoined symmetrical twins of the diprosopus type with anencephaly] López Soler JA, et al. **An Esp Pediatr** 1983 Sep;19(3):216–9 **(Spa)**

PHYSIOPATHOLOGY

Neurological control of fetal heart rate in 20 cases of anencephalic fetuses. Terao T, et al. **Am J Obstet Gynecol** 1984 May 15;149(2):201–8

PREVENTION & CONTROL

The reduction of anencephalic and spina bifida births by maternal serum alphafetoprotein screening. Ferguson-Smith MA. **Br Med Bull** 1983 Oct;39(4):365–72 (31 ref.)

PSYCHOLOGY

Behavioral assessment of a hydranencephalic neonate. Francis PL, et al. **Child Dev** 1984 Feb;55(1):262–6

VETERINARY

An impending epidemic of bovine congenital deformities. Kirkland PD, et al. **Aust Vet J** 1983 Jul;60(7):221–3

Bluetongue virus-induced hydranencephaly in cattle. MacLachlan NJ, et al. **Vet Pathol** 1983 Sep;20(5):563–73

ANESTHESIA

Abstracts: 4th International Congress, Belgian Society of Anesthesia and Resuscitation. 7–10 September 1983, Louvain-en-Woluwe - Brussels. **Acta Anaesthesiol Belg** 1983;34 Suppl 1:1–151

Use of labetalol during anesthesia for pheochromocytoma removal. Van Stratum M, et al. **Acta Anaesthesiol Belg** 1983 Dec;34(4):233–40

Anesthesia under field conditions. A review of 945 cases. Lenz G, et al. **Acta Anaesthesiol Scand** 1984 Jun;28(3):351–6

Cerebral energy state and glycolytic metabolism during enflurane anesthesia in the rat. Seo K, et al. **Acta Anaesthesiol Scand** 1984 Apr;28(2):215–9

Reduced synthesis of hepatic and plasma proteins in rats during diethyl ether anaesthesia. Bessesen A, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Apr;54(4):241–6

Myocardial depression by anesthetic agents (halothane, enflurane and nitrous oxide): quantitation based on end-systolic pressure-dimension relations. Van Trigt P, et al. **Am J Cardiol** 1984 Jan 1;53(1):243–7

Anaesthesia and the kidney. Cousins MJ, et al. **Anaesth Intensive Care** 1983 Nov;11(4):292–320 (156 ref.)

Cardiovascular risk factors [letter] Goldman L. **Anesth Intensive Care** 1984 May;12(2):172–3

Anaesthesia for the patient with impaired renal function. Maddern PJ. **Anaesth Intensive Care** 1983 Nov;11(4):321–32 (156 ref.)

Anaesthesia for renal transplantation—5 years' experience. Marsland AR, et al. **Anaesth Intensive Care** 1983 Nov; 11(4):337–44

Expectations and experiences of anaesthesia in a District General Hospital. Clifton PJ. **Anaesthesia** 1984 Mar; 39(3):281–5

Diabetes and anaesthesia—a promise unfulfilled? [editorial] Hall GM. **Anaesthesia** 1984 Jul;39(7):627–8

Anaesthesia for children [editorial] Hatch DJ. **Anaesthesia** 1984 May;39(5):405–6

An assessment of the Dinamap 845. Hutton P, et al. **Anaesthesia** 1984 Mar;39(3):261–7

Anaesthesia in India [letter] Mansfield RE. **Anaesthesia** 1984 Jan;39(1):68

Anaesthesia for battle injuries [letter] Simon K, et al. **Anaesthesia** 1984 Apr;39(4):379–80

Ankylosing spondylitis. The case for awake intubation. Sinclair JR, et al. **Anaesthesia** 1984 Jan;39(1):3–11

Anaesthesia and severe skin disease. Smith GB, et al. **Anaesthesia** 1984 May;39(5):443–55 (73 ref.)

Neuromuscular recovery after laparoscopy. Fragen RJ, et al. **Anesth Analg** 1984 Jan;63(1):51–4

Anesthesia in an NMR scanner [letter] Geiger RS, et al. **Anesth Analg** 1984 Jun;63(6):622–3

Fresh gas flow affects minute volume during mechanical ventilation [letter] Ghani GA. **Anesth Analg** 1984 Jun; 63(6):619

Effect of pancuronium on heart rate during isoflurane and nitrous oxide anesthesia [letter] Jones JJ, et al. **Anesth Analg** 1984 Feb;63(2):166–7

Perioperative management of the patient with asthma. Kingston HG, et al. **Anesth Analg** 1984 Sep;63(9):844–55 (53 ref.)

Potencies of barbiturates in mice selectively bred for resistance or susceptibility to nitrous oxide anesthesia. Koblin DD, et al. **Anesth Analg** 1984 Jan;63(1):35–9

The effect of fentanyl on arginine vasopressin and cortisol secretion during anesthesia. Lehtinen AM, et al. **Anesth Analg** 1984 Jan;63(1):25–30

Anesthetic management of mediastinal masses [letter] Mackie AM, et al. **Anesth Analg** 1984 Jul;63(7):698–9
Common bile duct pressure changes after fentanyl, morphine, meperidine, butorphanol, and naloxone. Radnay PA, et al. **Anesth Analg** 1984 Apr;63(4):441–4
Verapamil and reversal of vecuronium neuromuscular blockade. van Poorten JF, et al. **Anesth Analg** 1984 Feb; 63(2):155–7
Anesthetic management of a patient with dystonia musculorum deformans. Walajahi FH, et al. **Anesth Analg** 1984 Jun;63(6):616–8
Abstracts of scientific papers: 1984 annual meeting, American Society of Anesthesiologists. **Anesthesiology** 1984 Sep;61(3 Suppl):A1–582
Relationship between cerebral blood volume and CSF pressure during anesthesia with isoflurane or fentanyl in dogs. Artru AA. **Anesthesiology** 1984 Jun;60(6):575–9
The inhibitory effect of intravenous d-tubocurarine and oral dantrolene on halothane-succinylcholine-induced myoglobinemia in children. Asari H, et al. **Anesthesiology** 1984 Sep;61(3):332–3
Noninvasive detection of periinduction ischemic ventricular dysfunction by cardiokymography in humans: preliminary experience. Bellows WH, et al. **Anesthesiology** 1984 Feb; 60(2):155–8
Outpatient anesthesia should not be limited to ASA Class I patients [letter] Berry FA. **Anesthesiology** 1984 Jun; 60(6):620
Modification of pancuronium-induced nondepolarizing neuromuscular block by succinylcholine in anesthetized humans. Buzello W, et al. **Anesthesiology** 1983 Dec; 59(6):573–6
An aid to airway maintenance during operative sedation [letter] DeLeeuw P. **Anesthesiology** 1984 Apr;60(4):388
Intrinsic lower esophageal activity may interfere with esophageal pressure measurements [letter] Evans JM, et al. **Anesthesiology** 1984 Jun;60(6):615
Pacemaker syndrome during anesthesia. Forand JM, et al. **Anesthesiology** 1984 Jun;60(6):588–90
The effects of hypercarbia and hypocarbia on pancuronium and vecuronium neuromuscular blockades in anesthetized humans. Gencarelli PJ, et al. **Anesthesiology** 1983 Nov; 59(5):376–80
Neuromuscular blockade in a patient with nemaline myopathy. Heard SO, et al. **Anesthesiology** 1983 Dec; 59(6):588–90
Another case of grand mal seizure after fentanyl administration [letter] Hoien AO. **Anesthesiology** 1984 Apr; 60(4):387–8
Central and splanchnic hemodynamics in the dog during controlled hypotension with adenosine. Lagerkranser M, et al. **Anesthesiology** 1984 Jun;60(6):547–52
Preanesthetic cimetidine and metoclopramide for acid aspiration prophylaxis in elective surgery. Manchikanti L, et al. **Anesthesiology** 1984 Jul;61(1):48–54
Elimination of nitrous oxide accelerates elimination of halothane: reversed second gas effect. Masuda T, et al. **Anesthesiology** 1984 Jun;60(6):567–8
Is membrane expansion relevant to anesthesia? Mean excess volume. Matubayasi N, et al. **Anesthesiology** 1983 Dec; 59(6):541–6
Paradoxical diuresis in some neurosurgical patients under balanced anesthesia. Mehta MP, et al. **Anesthesiology** 1983 Dec;59(6):585–7
Effect of age and premedication on thiopental sleep dose. Muravchick S. **Anesthesiology** 1984 Sep;61(3):333–6
Systemic and cerebral effects of isoflurane-induced hypotension in dogs. Newberg LA, et al. **Anesthesiology** 1984 Jun;60(6):541–6
Cerebral circulation and metabolism during enflurane anesthesia in humans. Sakabe T, et al. **Anesthesiology** 1983 Dec;59(6):532–6
Nitrous oxide increases intraocular pressure after intravitreal sulfur hexafluoride injection. Wolf GL, et al. **Anesthesiology** 1983 Dec;59(6):547–8
Anesthesia. For the burned patient. Park R. **AORN J** 1984 Jul;40(1):42–7
High frequency ventilation applications in the OR. Quan SF, et al. **AORN J** 1983 Dec;38(6):991–1002
Outcome of anesthesia and surgery in hypothyroid patients. Weinberg AD, et al. **Arch Intern Med** 1983 May; 143(5):893–7
The influence of glycogen level on hepatic glucose efflux in the anesthetized rat. Dohm GL, et al. **Biochem Med** 1983 Oct;30(2):157–61
Decreased glucuronidation of bilirubin by diethyl ether anesthesia. Dills RL, et al. **Biochem Pharmacol** 1984 Sep 1;33(17):2813–4
Proceedings of the Anaesthetic Research Society. Sheffield meeting, March 25–26, 1983. Abstracts. **Br J Anaesth** 1983 Sep;55(9):905P–18P
Anaesthesia and bowel surgery. Aitkenhead AR. **Br J Anaesth** 1984 Jan;56(1):95–101 (65 ref.)
The lower oesophageal sphincter and anaesthesia. Cotton BR, et al. **Br J Anaesth** 1984 Jan;56(1):37–46 (69 ref.)
Sympathoadrenal responses to anaesthesia and surgery. Derbyshire DR, et al. **Br J Anaesth** 1984 Jul;56(7):725–39 (98 ref.)
Alpha- and beta-adrenoceptor antagonists. Foëx P. **Br J Anaesth** 1984 Jul;56(7):751–65 (158 ref.)
Effect of anaesthesia on gastric motility and emptying. Nimmo WS. **Br J Anaesth** 1984 Jan;56(1):29–36 (58 ref.)
Anaesthesia and hypertension. Prys-Rroberts C. **Br J Anaesth** 1984 Jul;56(7):711–24 (78 ref.)
Observations on 'junctional rhythms' during anaesthesia [letter] Sethna DH, et al. **Br J Anaesth** 1984 Aug; 56(8):924–5
Anaesthesia and disorders of the adrenal cortex. Weatherill D, et al. **Br J Anaesth** 1984 Jul;56(7):741–9 (101 ref.)
Midazolam and anaesthesia. Gemperle M, et al. **Br J Clin Pharmacol** 1983;16 Suppl 1:187S–190S
New drugs in anaesthesia. Hull CJ. **Br J Hosp Med** 1983 Oct;30(4):273–4, 276
Etomidate-anaesthesia, with and without fentanyl, compared with urethane-anaesthesia in the rat. De Wildt DJ, et al. **Br J Pharmacol** 1983 Jun;79(2):461–9
Accidental hypothermia. Bristow G. **Can Anaesth Soc J** 1984 May;31(3 Pt 2):S52–5
Ocular distribution of sodium pentobarbital after injection of lethal and anesthetic doses and after transfer via corneal grafting. Basu PK, et al. **Can J Ophthalmol** 1984 Apr; 19(3):126–9
Renal function in rats with innervated and denervated kidneys before and during sodium pentobarbital anesthesia. Mercer PF, et al. **Can J Physiol Pharmacol** 1984 Jun; 62(6):683–8
Anaesthesia and glycogen storage diseases. Jayasuriya JP. **Ceylon Med J** 1982 Dec;27(4):202–5
Suppression of bradykinin-induced renin release by indomethacin in anesthetized rats. Suzuki M, et al. **Clin Exp Hypertens [A]** 1984;6(6):1227–35
Influence of season and anaesthetic on cutaneous vascular permeability responses to histamine, serotonin and mast cell-releasing agents in rats. Chahl LA. **Clin Exp Pharmacol Physiol** 1983 Jul–Aug;10(4):415–20
Anesthesia in the pregnant woman. Delaney AG. **Clin Obstet Gynecol** 1983 Dec;26(4):795–800
Relationship of oxygen delivery and oxygen consumption [letter] Archie JP Jr. **Crit Care Med** 1984 Aug;12(8):695
Effect of pentobarbital anesthesia on plasma norepinephrine kinetics in dogs. Best JD, et al. **Endocrinology** 1984 Sep; 115(3):853–7
Anaesthesia: the role of adrenergic mechanisms. Mason ST, et al. **Eur J Pharmacol** 1983 Jul 15;91(1):29–39
Light pentobarbital anesthesia diminishes the antinociceptive potency of morphine administered intracranially but not intrathecally in the rat. Ossipov MH, et al. **Eur J Pharmacol** 1984 Jan 13;97(1–2):137–40
Anaesthesia problems in angiography with special reference to modern contrast media. Wenz W, et al. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1983; 118:92–101 (48 ref.)
Comments on 'Dynamics of gaseous uptake from the lungs: the concentration and second gas effects'. Lewis SM. **IEEE Trans Biomed Eng** 1983 Nov;30(11):763–6
Anesthetic measures in the pain of malignancy. Swerdlow M. **Int Anesthesiol Clin** 1983 Winter;21(4):97–116
Variations of regional lung function in acute respiratory failure and during anaesthesia. Hedenstierna G, et al. **Intensive Care Med** 1984;10(4):169–77
Validation of indirect systolic blood pressure measurement in ether anaesthetised rats. Borkowski KR, et al. **J Auton Pharmacol** 1983 Sep;3(3):157–60
Effects of handling, anaesthesia, ovariectomy and adrenalectomy on serial measurements of plasma progesterone in 16-day pregnant rats. Bruce NW, et al. **J Endocrinol** 1984 Feb;100(2):189–93
Anaesthesia ashore and afloat during the Falklands war. Bull PT. **J R Nav Med Serv** 1983 Summer;69(2):85–90
Assessment of neuromuscular blockade using tetanic, single-twitch and train-of-four responses: discussion paper. Hughes R. **J R Soc Med** 1984 May;77(5):399–405
Early derangements of arteriovenous anastomotic and capillary blood flow in the canine hindlimb induced by supplemental pentobarbital anesthesia. Kazmers A, et al. **J Surg Res** 1984 Feb;36(2):102–7
Subtotal gastrectomy in dogs under acupuncture anesthesia and related changes in the noradrenergic system. Zhou S, et al. **J Tradit Chin Med** 1983 Dec;3(4):251–8
Antidiuretic effects of oxotremorine microinjected into the hypothalamic supraoptic and paraventricular nuclei in a water-loaded and ethanol-anesthetized rat. Mori M, et al. **Jpn J Pharmacol** 1984 May;35(1):27–36
Suppression by etomidate of normal cortisone response to anaesthesia and surgery [letter] Sear JW, et al. **Lancet** 1983 Oct 29;2(8357):1028
Anaesthesia in rural areas [letter] Williamson JA. **Med J Aust** 1984 Mar 3;140(5):307
Plasma catecholamine response to hypotension induced by trimethaphan and by sodium nitroprusside during nitrous oxide-oxygen-fentanyl anesthesia. Hamaji M, et al. **Med J Osaka Univ** 1983 Sep;34(1–2):37–41
Laser and anesthesia. Wenokur M. **Mich Med** 1984 Jun; 83(30):289–90
Membrane interactions with general and local anaesthetics: a review of molecular hypotheses of anaesthesia. Dluzewski AR, et al. **Mol Aspects Med** 1983;6(6):461–573 (262 ref.)
Glycine receptor protein the solution? [news] Richards WG. **Nature** 1984 Sep 6–11;311(5981):16
Species variation and the mechanism of pressure-anaesthetic interactions. Smith EB, et al. **Nature** 1984 Sep 6–11; 311(5981):56–7
Morphine antagonizes pentobarbital-induced anesthesia. Horita A, et al. **Neuropharmacology** 1983 Oct;22(10):1183–6
Brain noradrenaline and anaesthesia: further characterization of the beta-receptor. Mason ST, et al. **Neuropharmacology** 1983 Sep;22(9):1065–9
Anesthesia for laser surgery in laryngobronchoesophagology. Norton ML. **Otolaryngol Clin North Am** 1983 Nov; 16(4):785–91 (18 ref.)
Balanced anesthesia for feeding gastrostomy. Slater H, et al. **Penn Med** 1983 Jul;86(7):48, 50
Barbiturate competition for TRH receptors in mouse brain: neuromodulation of anesthesia. Hirsch MD. **Peptides (Fayetteville)** 1983 Mar–Apr;4(2):255–60
Intensification of the metabolic acidosis induced under alpha-chloralose anaesthesia with graded increase in the dose. Shukla R, et al. **Pharmacol Res Commun** 1983 Jul; 15(7):647–54
Modern trends in the investigation of new hypnotics in anaesthesia. Doenicke A. **Psychopharmacology Suppl** 1984; 1:119–32 (6 ref.)
Effect of ionizing radiation on physiological function in the anesthetized rat. Alter WA 3d, et al. **Radiat Res** 1984 Aug; 99(2):394–409
Anaesthesia and hypoparathyroidism. A case report. Roelofse JA, et al. **S Afr Med J** 1983 Oct 8;64(16):632–3
Aspiration pneumonitis and the anaesthesiologist. Shipton EA. **S Afr Med J** 1983 Dec 17;64(26):1009–10
Regional blood flow in canine brain during nicotine infusion: pentobarbital vs. chloralose anesthesia. Bedran de Castro MT, et al. **Stroke** 1984 Jul–Aug;15(4):690–4
Current perspectives in anesthesia for patients at risk for myocardial ischemia. Davis RF. **Tex Med** 1983 Sep; 79(9):36–42
Hemodynamic and hormonal response to induced hypotension with isosorbide dinitrate and nitroglycerin during anesthesia. Zadrobilek E, et al. **Z Kardiol** 1983;72 Suppl 3:156–61
[Ketamine-diazepam anesthesia combined with 4 relaxants] Kopecký P, et al. **Rozhl Chir** 1984 Jan;63(1):40–6 (Eng. Abstr.) **(Cze)**
[Value of early auditory and somatosensory evoked potentials in monitoring brain stem functions in anesthesia and resuscitation (recording technics, normal responses: effect of anesthetics, central temperature, perfusion pressure and focal lesions on responses)] Mauguière F. **Agressologie** 1983 Oct;24(9):429–34 (Eng. Abstr.) **(Fre)**
[29th French Congress of Anesthesia and Intensive Care, 4th Franco-Quebec Seminar, International Meeting of French-Speaking Anesthesists and Intensive Care Physicians. Lille, 22–24 September 1983] **Ann Fr Anesth Reanim** 1983;2(3):123–258 **(Fre)**
[Oxygen consumption during and following anesthesia] Benhamou D, et al. **Ann Fr Anesth Reanim** 1984;3(3):205–11 **(Fre)**
[Accident on an oil-drilling platform at sea 6000 km from France: anesthesia and resuscitation of 23 seriously burned persons during air transport] Cara M, et al. **Bull Acad Natl Med (Paris)** 1983 May;167(5):445–50 (Eng. Abstr.) **(Fre)**
[Anesthesia in osteo-articular pathology and its specific problems] Reginster JY, et al. **Rev Med Liege** 1984 Jan 1;39(1):14–24 **(Fre)**
[Intramuscular ketamine analgesia in emergency patients. II. Clinical study of traumatized patients] Hirlinger WK, et al. **Anaesthesist** 1984 Jun;33(6):272–5 (Eng. Abstr.) **(Ger)**
[Effect of anesthesia on blood coagulation factor XIII] Homann B, et al. **Anaesthesist** 1984 Mar;33(3):145–8 (Eng. Abstr.) **(Ger)**
[Plasma histamine level in anesthesia with enflurane] Kubo K, et al. **Anaesthesist** 1984 Jun;33(6):291–3 (Eng. Abstr.) **(Ger)**
[Myasthenia gravis. Information for the anesthetist and critical care physician] Marquardt J, et al. **Anaesthesist** 1984 May;33(5):207–11 (Eng. Abstr.) **(Ger)**
[Perspectives in the use of computers in anesthesia] Osswald PM, et al. **Anaesthesist** 1984 Mar;33(3):129–32 (49 ref.) (Eng. Abstr.) **(Ger)**
[Visual evoked potentials (VEP) in anesthesia and intensive care] Russ W, et al. **Anaesthesist** 1984 Mar;33(3):154–60 (38 ref.) (Eng. Abstr.) **(Ger)**
[Anesthesia problems in severe obesity (letter)] Schüller P. **Anaesthesist** 1984 May;33(5):253–4 **(Ger)**
[Monitoring neuromuscular function in the operating theater] Booij LH, et al. **Anasth Intensivther Notfallmed** 1984 Jun; 19(3):107–11 (Eng. Abstr.) **(Ger)**
[A simple method for determining and registering the degree of relaxation] Friesdorf W, et al. **Anasth Intensivther Notfallmed** 1984 Apr;19(2):78–80 **(Ger)**
[Clinical experiences with the short-acting opioid alfentanil (Rapifen)] Jost U, et al. **Anasth Intensivther Notfallmed** 1984 Feb;19(1):8–13 (Eng. Abstr.) **(Ger)**
[Time and incidence of peroperative cardiovascular complications in geriatric patients] Osswald PM, et al. **Anasth Intensivther Notfallmed** 1983 Aug;18(4):193–5 (Eng. Abstr.) **(Ger)**
[Anesthesia in neuroradiology] Pfeifer G, et al. **Anasth Intensivther Notfallmed** 1984 Apr;19(2):57–9 (Eng. Abstr.) **(Ger)**
[The preoperative mental state] Tolksdorf W. **Fortschr Med** 1984 Mar 29;102(12):342–5 (Eng. Abstr.) **(Ger)**
[Surgical treatment and anesthesiologic management of coronaropathy associated with carotid stenosis] Aru G, et

al. **Boll Soc Ital Cardiol** 1982;27(6):543–8 **(Ita)**
[Use of clonidine in anesthesia for the hypertensive patient. Preventive note] Altissimi C, et al. **Minerva Anestesiol** 1983 Jul–Aug;49(7–8):425–34 (Eng. Abstr.) **(Ita)**
[Neuroanesthesia in the dialyzed patient. Report of a clinical case] Bracali AM, et al. **Minerva Anestesiol** 1983 Jul–Aug; 49(7–8):439–43 (Eng. Abstr.) **(Ita)**
[Psychological and emotional responses to anesthesia and surgery] Cardaci SB, et al. **Minerva Anestesiol** 1983 Jun; 49(6):357–70 (Eng. Abstr.) **(Ita)**
[Personal experience with the use of fazadinium bromide in eye surgery] Lusini A, et al. **Minerva Anestesiol** 1983 Jun; 49(6):393–8 (Eng. Abstr.) **(Ita)**
[Anesthesia for laryngeal suspension microsurgery with the laser: jet ventilation] Mangiameli S, et al. **Minerva Anestesiol** 1983 Sep;49(9):497–503 (Eng. Abstr.) **(Ita)**
[Anesthesia in a Field Hospital during the Lebanese conflict] Reddavid M, et al. **Minerva Anestesiol** 1984 Jan–Feb; 50(1–2):27–31 (Eng. Abstr.) **(Ita)**
[Control of the upper airway function during sleep and anesthesia] Nishino T. **Kokyu To Junkan** 1984 May; 32(5):449–55 (32 ref.) **(Jpn)**
[30th general meeting of the Japan Society of Anesthesiology. Kobe, April 6–7, 1983. Abstracts] **Masui** 1983 Nov;32(11 Suppl):S1–436 **(Jpn)**
[Processing of anesthetical data by a personal computer—1. Improvement of conversion of input data to codes] Ishihara H, et al. **Masui** 1983 Aug;32(8):1008–11 (Eng. Abstr.) **(Jpn)**
[Effect of anesthesia and operation on complement system and platelet aggregation] Kim S, et al. **Masui** 1984 Jan; 33(1):38–42 (Eng. Abstr.) **(Jpn)**
[High dose fentanyl anesthesia and cardiac surgery] Morita S, et al. **Masui** 1983 Dec;32(12):1432–40 (Eng. Abstr.) **(Jpn)**
[Effects of labetalol and phentolamine on plasma catecholamine concentrations in anesthetized dogs] Nakai T, et al. **Masui** 1983 May;32(5):548–53 (Eng. Abstr.) **(Jpn)**
[Free and conjugated dopamine in urine and blood during dopamine infusion in man] Shibata O, et al. **Masui** 1984 May;33(5):515–9 (Eng. Abstr.) **(Jpn)**
[Evaluation of heart function under anesthesia. Effects of preload, afterload and inotropic state on the force–velocity curves in the ejection phase] Yonemura E, et al. **Masui** 1983 Jul;32(7):776–84 (Eng. Abstr.) **(Jpn)**
[Urethral pressure profile in anesthetized and decerebrated dogs] Oya A, et al. **Nippon Heikatsukin Gakkai Zasshi** 1983 Apr;19(2):81–5 (Eng. Abstr.) **(Jpn)**
[Innovation in patient care in radiographic examination of children] Tamura T, et al. **Rinsho Kyobu Geka** 1983 May; 3(3):380–1 **(Jpn)**
[Activity of cerebellar Purkinje cells of rats in nembutal and urethane anesthesia] Pesennikova DI, et al. **Fiziol Zh SSSR** 1984 Feb;70(2):247–50 **(Rus)**
[Anesthesia for emergency and planned reconstructive microsurgery] Driuk NF, et al. **Klin Khir** 1983 Dec; (12):26–9 (Eng. Abstr.) **(Rus)**
[Acute intermittent porphyria and anesthesia: presentation of 2 cases] Aguilar Sánchez JL, et al. **Rev Esp Anestesiol Reanim** 1983 Sep–Oct;30(5):211–5 (Eng. Abstr.) **(Spa)**
[Anesthetic considerations in vascular anastomoses between the middle cerebral and the superficial temporal arteries] Lora-Tamayo JI, et al. **Rev Esp Anestesiol Reanim** 1983 Nov–Dec;30(6):237–40 (Eng. Abstr.) **(Spa)**
[Anesthesia in the reconstruction of the traumatized thorax] Paris M, et al. **Rev Esp Anestesiol Reanim** 1984 Jan–Feb; 31(1):16–9 (Eng. Abstr.) **(Spa)**
[Anesthetic problems in hip replacements using the uncemented Lord type universal madreporic prosthesis and its comparison with cemented ones] Tera Bueno G, et al. **Rev Esp Anestesiol Reanim** 1984 Jan–Feb;31(1):9–11 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Effect of pethidine, fentanyl and morphine on post-operative shivering in man. Pauca AL, et al. **Acta Anaesthesiol Scand** 1984 Apr;28(2):138–43
Alert: perioperative neonatal methemoglobinemia [letter] Bedrick AD, et al. **Am J Dis Child** 1984 Sep;138(9):889–90
Telogen effluvium after anesthesia and surgery. Desai SP, et al. **Anesth Analg** 1984 Jan;63(1):83–4
Anesthesia-induced hepatotoxicity [letter] Gelman S. **Anesthesiology** 1983 Nov;59(5):487–8
Life-threatening perioperative apnea in the ex-'premie' [editorial] Gregory GA, et al. **Anesthesiology** 1983 Dec; 59(6):495–8
Life-threatening apnea in infants recovering from anesthesia. Liu LM, et al. **Anesthesiology** 1983 Dec;59(6):506–10
Malignant hyperthermia during a prolonged anesthetic for reattachment of a limb. Murphy AL, et al. **Anesthesiology** 1984 Feb;60(2):149–50
Reinfarction following anesthesia in patients with myocardial infarction. Rao TL, et al. **Anesthesiology** 1983 Dec; 59(6):499–505
Malignant hyperthermia after oral and intravenous pretreatment with dantrolene in a patient susceptible to malignant hyperthermia. Ruhland G, et al. **Anesthesiology** 1984 Feb;60(2):159–60
Pulmonary edema following naloxone administration in a patient without heart disease. Taff RH. **Anesthesiology** 1983 Dec;59(6):576–7
Preferred treatment of fentanyl-induced postoperative rigidity [letter] Wangler MA, et al. **Anesthesiology** 1983 Dec;59(6):594
Anesthetic and surgical risk in hypothyroidism [letter] Litt L, et al. **Arch Intern Med** 1984 Mar;144(3):657, 660
Anaesthesia and emesis. I: Etiology. Palazzo MG, et al. **Can Anaesth Soc J** 1984 Mar;31(2):178–87 (49 ref.)
Anaesthesia and emesis. II: Prevention and management. Palazzo MG, et al. **Can Anaesth Soc J** 1984 Jul;31(4):407–15 (52 ref.)
Hypertension in anaesthesia. Reid D, et al. **Can Anaesth Soc J** 1984 Mar;31(2):222–31 (18 ref.)
Diagnosis of malignant hyperthermia [letter] Wingard DW. **Can Anaesth Soc J** 1984 Jul;31(4):490
Anesthesia in 1984: how safe is it? Davies JM, et al. **Can Med Assoc J** 1984 Sep 1;131(5):437–41
Analysis of anesthetic mishaps. **Int Anesthesiol Clin** 1984 Summer;22(2):1–190
Toward prevention of anesthetic mishaps. Cooper JB. **Int Anesthesiol Clin** 1984 Summer;22(2):167–83
An analysis of anesthetic mishaps from medical liability claims. Davis DA. **Int Anesthesiol Clin** 1984 Summer; 22(2):31–42
Concepts of fail-safe in anesthetic practice. Duberman SM, et al. **Int Anesthesiol Clin** 1984 Summer;22(2):149–65
An analysis of anesthesia medical liability claims in the United Kingdom, 1977–1982. Green RA, et al. **Int Anesthesiol Clin** 1984 Summer;22(2):73–89
Analysis of anesthetic mishaps. Current concepts in risk management. Holzer JF. **Int Anesthesiol Clin** 1984 Summer; 22(2):91–116
Analysis of anesthetic mishaps. Historical perspectives. Pierce EC Jr. **Int Anesthesiol Clin** 1984 Summer;22(2):1–16
Analysis of anesthetic mishaps. The spectrum of medical liability cases. Solazzi RW, et al. **Int Anesthesiol Clin** 1984 Summer;22(2):43–59
Implications for anaesthesia of new concepts in cardiovascular diseases: discussion paper. Foëx P. **J R Soc Med** 1983 Sep;76(9):760–6
Deep venous thrombosis in total hip replacement [letter] Leeman EK. **JAMA** 1984 Jun 15;251(23):3081–2
Nausea and vomiting after isoflurane anesthesia. The influence of preoperative medications. Krechel SW, et al. **Mo Med** 1984 May;81(5):249–52
Anaesthesia under scrutiny. Chisholm DI. **NZ Med J** 1983 Nov 9;96(743 Pt 2):930–1
A hypersensitivity screening clinic following untoward reactions to anaesthesia. Thacker MA, et al. **NZ Med J** 1984 Apr 11;97(753):229–32
[Allergic reactions during anesthesia] Křiváčková L. **Rozhl Chir** 1984 Jan;63(1):11–7 (Eng. Abstr.) **(Cze)**
[INSERM. Epidemiological survey of anesthesia. Initial results] Hatton F, et al. **Ann Fr Anesth Reanim** 1983; 2(5):331–86 **(Fre)**
[Epidemiologic study of anesthesia complications in France] Vourc'h G, et al. **Bull Acad Natl Med (Paris)** 1983 Nov; 167(8):939–45 (Eng. Abstr.) **(Fre)**
[Drug monitoring in anesthesiology. Evaluation of the Lyons experience] Benoit Y, et al. **Therapie** 1983 Sep–Oct; 38(5):511–4 (Eng. Abstr.) **(Fre)**
[Psychotropic drugs and anesthesia] Bricard H, et al. **Therapie** 1983 Sep–Oct;38(5):519–28 (Eng. Abstr.) **(Fre)**
[Drug monitoring in anesthesiology. Methodologic comments from the Lyons experience] Descotes J, et al. **Therapie** 1983 Sep–Oct;38(5):515–8 (Eng. Abstr.) **(Fre)**
[The avoidance of hypoxemia during anesthesia (letter)] Novatsek A. **Anaesthesist** 1984 Jun;33(6):296–7 **(Ger)**
[Acute coronary insufficiency during induction of anesthesia following anthracycline chemotherapy] Pfenninger E, et al. **Anaesthesist** 1984 May;33(5):240–3 (Eng. Abstr.) **(Ger)**
[Rohypnol poisoning as a cause of postanesthetic coma and the success of 4-aminopyridine therapy] Schmutzler S, et al. **Anaesthesist** 1984 Jun;33(6):294–5 (Eng. Abstr.) **(Ger)**
[Tension pneumocephalus after head injury associated with nitrous oxide anesthesia for extracranial operation. Case report] Sadamitsu D, et al. **Neurol Med Chir (Tokyo)** 1984 Apr;24(4):278–82 (Eng. Abstr.) **(Jpn)**
[Causes of vomiting and regurgitation in anesthesiology] Beliakov VA. **Anesteziol Reanimatol** 1983 Jul–Aug; (4):65–70 (82 ref.) **(Rus)**
[Bleomycin and anesthesia] Galván R, et al. **Rev Esp Anestesiol Reanim** 1984 Jan–Feb;31(1):34–5 **(Spa)**
[Myocardial protection during anesthesia in the coronary patient] Navia J, et al. **Rev Esp Anestesiol Reanim** 1984 Mar–Apr;31(2):67–71 (23 ref.) (Eng. Abstr.) **(Spa)**
[High blood pressure and anesthesia] **Lakartidningen** 1983 Dec 7;80(49):4815–8 (Eng. Abstr.) **(Swe)**

HISTORY

Early days of anaesthesia in sheffield. Padfield A, et al. **Ann R Coll Surg Engl** 1984 Jul;66(4):293–6
The origins of anesthesia. Nuland SB. **Conn Med** 1984 Mar; 48(3):171–4 contd
The origins of anesthesia: part II. Nuland SB. **Conn Med** 1984 Jun;48(6):379–83 contd

INSTRUMENTATION

Safety check for the Bain circuit [letter] Ghani GA. **Can Anaesth Soc J** 1984 Jul;31(4):487–8
Humidification hazard [letter] Poulton TJ. **Chest** 1984 Apr; 85(4):583–4
Why new delivery systems? Calkins JM. **Contemp Anesth Pract** 1984;8:3–9
Components of the system: future design requirements. Calkins JM, et al. **Contemp Anesth Pract** 1984;8:89–97
Control of anesthetic delivery. Mylrea KC. **Contemp Anesth Pract** 1984;8:125–35
Anesthesia ventilators: special requirements. Otto CW. **Contemp Anesth Pract** 1984;8:165–73
Standards for anesthesia: the issues. Rendell-Baker L. **Contemp Anesth Pract** 1984;8:59–88
What do we do until the future gets here? Saunders RJ. **Contemp Anesth Pract** 1984;8:237–44
Computers: do we need them now? Spain JA, et al. **Contemp Anesth Pract** 1984;8:39–58
Recovery of waste anesthetic gases. Waterson CK. **Contemp Anesth Pract** 1984;8:109–24
Microprocessors in anaesthesia and intensive care. Ball GJ. **J Med Eng Technol** 1983 Nov–Dec;7(6):303–7
[Anesthesia. Principles, methods, and equipment in military medicine] Grønfeldt W. **Ugeskr Laeger** 1983 Nov 7; 145(45):3526–8 **(Dan)**

METHODS

Comparative study of etomidate-alfentanil anesthesia with N2O/O2 or with air/O2. Versichelen L, et al. **Acta Anaesthesiol Belg** 1983 Dec;34(4):241–8
Medical diseases in surgical patients in Hong Kong. Yeung ML. **Anaesth Intensive Care** 1984 Feb;12(1):33–40
Is anaesthesia for trigeminal thermocoagulation ever necessary? [letter] Ori C, et al. **Anaesthesia** 1983 Dec; 38(12):1228–9
Monitoring neuromuscular blockade—evaluation of a new rectal electrode/transducer system in cats. Brock-Utne JG, et al. **Anesth Analg** 1984 Feb;63(2):152–4
Fentanyl- and sufentanil-oxygen-pancuronium anesthesia for cardiac surgery in infants. Hickey PR, et al. **Anesth Analg** 1984 Feb;63(2):117–24
Is morphine-N2O technique suitable for the seated position? [letter] Lam AM, et al. **Anesth Analg** 1984 Feb;63(2):169
Nasal intubation and a nasogastric tube [letter] Liban BJ. **Anesth Analg** 1984 Feb;63(2):166
Perioperative diuresis and ICP [letter] Bagshaw RJ, et al. **Anesthesiology** 1984 Jul;61(1):107–8
Anesthetic requirements for halothane in young children 0–1 month and 1–6 months of age. Lerman J, et al. **Anesthesiology** 1983 Nov;59(5):421–4
Precautions in the anesthetic management of a patient with Creutzfield-Jacob disease. MacMurdo SD, et al. **Anesthesiology** 1984 Jun;60(6):590–2
The anesthetic management of the patient with an anterior mediastinal mass. Neuman GG, et al. **Anesthesiology** 1984 Feb;60(2):144–7
Patient posture and the anaesthetist. Healy TE, et al. **Ann R Coll Surg Engl** 1984 Jan;66(1):56–8
Anaesthesia ashore in the Falklands. Jowitt MD. **Ann R Coll Surg Engl** 1984 May;66(3):197–200
Anaesthetic management of patients with phaeochromocytoma. Desmonts JM, et al. **Br J Anaesth** 1984 Jul;56(7):781–9 (65 ref.)
Effects of acupuncture anesthesia on the pituitary gland. Umino M, et al. **Bull Tokyo Med Dent Univ** 1984 Jun; 31(2):93–8
Anaesthetic considerations for microsurgical repair of limbs. Bird TM, et al. **Can Anaesth Soc J** 1984 Jan;31(1):51–60 (90 ref.)
Induced hypotension. Lam AM. **Can Anaesth Soc J** 1984 May;31(3 Pt 2):S56–62 (40 ref.)
Fundamentals of infant anaesthesia. Ward CF. **Can Anaesth Soc J** 1984 May;31(3 Pt 2):S45–51
Electro-acupuncture anesthesia in pituitary adenoma extirpation. Gao LD, et al. **Chin Med J [Engl]** 1983 Jun; 96(6):469–74
Pain relief during surgery. Warfield CA, et al. **Hosp Pract [Off]** 1984 Jul;19(7):157–8
Hypnosis as a primary anesthetic in reconstructive and cosmetic facial surgery. Zysman SA, et al. **J Am Soc Psychosom Dent Med** 1983;30(3):102–6
Some inquiries in neuroanesthesia and neurological supportive care. Frost EA. **J Neurosurg** 1984 Apr; 60(4):673–86 (117 ref.)
Transcutaneous monitoring of oxygen tension during one-lung anesthesia. Tremper KK, et al. **J Thorac Cardiovasc Surg** 1984 Jul;88(1):22–5
Anaesthetists without Althesin [letter] Dundee JW. **Lancet** 1984 Apr 21;1(8382):909
System integration—the need in future anesthesia delivery systems. Saunders RJ, et al. **Med Instrum** 1983 Nov-Dec; 17(6):389–92
Monitoring the anesthetized patient in the operating room. Watt RC, et al. **Med Instrum** 1983 Nov-Dec;17(6):383–8
Anaesthetic management of cerebral artery aneurysms at Tygerberg Hospital, 1980–1982. Erasmus FR, et al. **S Afr Med J** 1984 May 5;65(18):718–21
Anaesthesia for caesarean section in a patient with syringomyelia. A case report. Roelofse JA, et al. **S Afr Med J** 1984 May 5;65(18):736–7

Anaesthesia in a patient with variegate porphyria undergoing coronary bypass surgery. A case report. Shipton EA, et al. **S Afr Med J** 1984 Jan 14;65(2):53–4

Anaesthesia in a patient with Parkinson's disease. A case report. Shipton EA, et al. **S Afr Med J** 1984 Feb 25; 65(8):304–5

Pheochromocytoma with asymmetric septal hypertrophy: conflicting therapies confronting anesthesiologists. Elsten JL, et al. **South Med J** 1984 Apr;77(4):525–6

Balanced anesthesia: a comparison of butorphanol and morphine. Sung YF, et al. **South Med J** 1984 Feb; 77(2):180–2

[Clinical trials of piracetam in anesthesiology and resuscitation] Polívková J, et al. **Rozhl Chir** 1984 Jan; 63(1):47–50 (Eng. Abstr.) **(Cze)**

[Ambulatory anesthesia in children for computed x-ray tomography] Barale F, et al. **Agressologie** 1984 Jan; 25(1):33–4 (Eng. Abstr.) **(Fre)**

[Problems confronting the anesthetist in carotid endarterectomies] Doom A. **Rev Med Brux** 1984 Feb; 5(2):71–5 (Eng. Abstr.) **(Fre)**

[A modified method of anesthesia without intubation in microsurgical treatment of the larynx] Incze F, et al. **Anaesthesist** 1984 Jun;33(6):276–83 (Eng. Abstr.) **(Ger)**

[Anesthesia problems in extreme obesity] Peters J, et al. **Anaesthesist** 1983 Aug;32(8):374–81 (67 ref.) (Eng. Abstr.) **(Ger)**

[Anesthetic management of patients with nonbeta islet cell tumors of the pancreas.—WDHA syndrome and Zollinger–Ellison syndrome] Imai M, et al. **Masui** 1983 May;32(5):605–10 (Eng. Abstr.) **(Jpn)**

[Lung function and anesthetic management in patients with rheumatoid arthritis] Masuda R, et al. **Masui** 1983 May; 32(5):520–6 (Eng. Abstr.) **(Jpn)**

[Anesthetic management for ligation of patent ductus arteriosus in premature infant] Oka N, et al. **Masui** 1984 May;33(5):550–7 (Eng. Abstr.) **(Jpn)**

[Anesthesia during minor surgery in children] Kireev SS, et al. **Anesteziol Reanimatol** 1983 Jul–Aug;(4):11–3 (Eng. Abstr.) **(Rus)**

[Anesthesiological management in therapeutic–diagnostic bronchoscopy of bronchial asthma] Pugachev VS, et al. **Vrach Delo** 1983 Sep;(9):50–4 (Eng. Abstr.) **(Rus)**

MORTALITY

Anaesthesia-related surgical mortality. Lunn JN, et al. **Anaesthesia** 1983 Nov;38(11):1090–6

Anesthesia–related mortality in Australia. Holland R. **Int Anesthesiol Clin** 1984 Summer;22(2):61–71

STANDARDS

Claim for negligent induction of anaesthesia dismissed, but no costs for defendant health authority [letter] Brahams D. **Lancet** 1984 Jun 2;1(8388):1249

[Matsuki's seven rules of anesthesia] Matsuki A. **Masui** 1983 Nov;32(11):1406–8 **(Jpn)**

TRENDS

The Rovenstine Lecture, 1983: cardiovascular anesthesia: perceptions and perspectives. Keats AS. **Anesthesiology** 1984 May;60(5):467–74

Closing the loop: how near is automated anesthesia? Kraft HH, et al. **South Med J** 1984 Jan;77(1):7–12

VETERINARY

Response of great horned owls given the optical isomers of ketamine. Redig PT, et al. **Am J Vet Res** 1984 Jan; 45(1):125–7

Hyperglycemia and hypoinsulinemia during xylazine–ketamine anesthesia in Thoroughbred horses. Tranquilli WJ, et al. **Am J Vet Res** 1984 Jan;45(1):11–4

The dose rate of pancuronium bromide for horses. Kalhoro AB, et al. **Aust Vet J** 1983 Nov;60(11):348–9

Mathematical modelling of the horse. Mapleson WW, et al. **Equine Vet J** 1984 May;16(3):155–7

Effect of atropine sulfate on tear production in the cat when used with ketamine hydrochloride and acetylpromazine maleate. Arnett BD, et al. **J Am Vet Med Assoc** 1984 Jul 15;185(2):214–5

Doxapram for reversing xylazine sedation [letter] Short CE. **J Am Vet Med Assoc** 1984 Feb 1;184(3):237, 258

Nasal intubation in the foal. Webb AI. **J Am Vet Med Assoc** 1984 Jul 1;185(1):48–51

Continuous infusion anaesthesia in baboons with alphaxolone–alphadolone. Cookson JH, et al. **Lab Anim** 1983 Jul;17(3):196–7

Evaluation of a combination of tiletamine and zolazepam as an anesthetic for laboratory rodents. Silverman J, et al. **Lab Anim Sci** 1983 Oct;33(5):457–60

Anesthetic problems in dogs. **Mod Vet Pract** 1982 Sep; 63(9):759–60

Anesthesia for cesarean section in large animals. McGrath CJ. **Mod Vet Pract** 1984 Jul;65(7):522–4

Cerebral and systemic vascular effects of naloxone in pentobarbital–anesthetized normal dogs. Turner DM, et al. **Neurosurgery** 1984 Mar;14(3):276–82

Effect of prior administration of a non–depolarising muscle relaxant on the action of suxamethonium in the dog. Jones RS, et al. **Res Vet Sci** 1984 May;36(3):348–53

Haemodynamics, blood gas and metabolic changes after anaesthesia with chloral hydrate and magnesium sulphate in camels (Camelus dromedarius). Sharma SK, et al. **Res Vet Sci** 1984 Jan;36(1):12–5

Anesthesia for urogenital surgery. Klide AM. **Vet Clin North Am [Small Anim Pract]** 1984 Jan;14(1):15–29 (39 ref.)

Disbudding of goats [letter] Brown CJ. **Vet Rec** 1984 Feb 25;114(8):203

Duration of analgesia in sheep under xylazine/ketamine anaesthesia. Byagagaire SD, et al. **Vet Rec** 1984 Jan 7; 114(1):15–6

Equine anaesthetic incident [letter] Godsal MF. **Vet Rec** 1982 Jan 30;110(5):111

Anesthesia in seals [letter] Greenwood AG, et al. **Vet Rec** 1983 Sep 24;113(13):303

Comparative studies of the use of some injectable anaesthetic agents in birds. Samour JH, et al. **Vet Rec** 1984 Jul 7; 115(1):6–11

Effect of a combination of ketamine and xylazine on respiratory gas tensions and acid–base status in calves. Waterman AE. **Vet Rec** 1983 Nov 26;113(22):517

ANESTHESIA ADJUVANTS

Etomidate and alfentanil infusion for major surgery. Kay B. **Acta Anaesthesiol Belg** 1984 Mar;35(1):19–24

Comparative study of etomidate–alfentanil anesthesia with N2O/O2 or with air/O2. Versichelen L, et al. **Acta Anaesthesiol Belg** 1983 Dec;34(4):241–8

Alfentanil in minor gynaecological surgery: use with etomidate and a comparison with halothane. Antonios WR, et al. **Anaesthesia** 1984 Aug;39(8):812–5

Midazolam and diazepam in ketamine anaesthesia. Cartwright PD, et al. **Anaesthesia** 1984 May;39(5):439–42

Comparison of four opioid analgesics as supplements to nitrous oxide anesthesia. Ghoneim MM, et al. **Anesth Analg** 1984 Apr;63(4):405–12

A clinical trial of alfentanil as an adjuvant for short anaesthetic procedures. Hull CJ, et al. **Br J Anaesth** 1983; 55 Suppl 2:173S–178S

Alfentanil–supplemented anaesthesia for short procedures. A double–blind comparison with fentanyl. Patrick M, et al. **Br J Anaesth** 1984 Aug;56(8):861–6

[Use of alfentanyl in short–term anesthesia. Initial results] Hoffmann P, et al. **Anaesthesist** 1984 Mar;33(3):137–9 (Eng. Abstr.) **(Ger)**

[Clinical experiences with the short–acting opioid alfentanil (Rapifen)] Jost U, et al. **Anasth Intensivther Notfallmed** 1984 Feb;19(1):8–13 (Eng. Abstr.) **(Ger)**

ADMINISTRATION & DOSAGE

ED50 of alfentanil for induction of anesthesia in unpremedicated young adults. McDonnell TE, et al. **Anesthesiology** 1984 Feb;60(2):136–40

Fentanyl/alfentanil for pelvic laparoscopy. Brown EM, et al. **Can Anaesth Soc J** 1984 May;31(3 Pt 1):251–4

ADVERSE EFFECTS

To breathe or not to breathe. Hornbein TF. **Anesthesiology** 1984 Aug;61(2):119–20

PHARMACODYNAMICS

Alfentanil and skeletal muscle circulation, oxygen consumption and P50. Berthelsen P, et al. **Acta Anaesthesiol Scand** 1984 Jun;28(3):273–6

Haemodynamic effects of intravenous procaine as a supplement to general anaesthesia in patients with valvular heart disease. Waaben J, et al. **Acta Anaesthesiol Scand** 1984 Feb;28(1):34–6

[Double–blind testing of alfentanyl and fentanyl in total intravenous anesthesia] Fragen RJ, et al. **Anaesthesist** 1984 Feb;33(2):99–102 (Eng. Abstr.) **(Ger)**

ANESTHESIA ASSISTANTS see **PHYSICIANS' ASSISTANTS**

ANESTHESIA, CAUDAL see under **ANESTHESIA, EPIDURAL**

ANESTHESIA, CONDUCTION

Outpatient inguinal herniorrhaphy with both regional and local anesthesia. Ryan JA Jr, et al. **Am J Surg** 1984 Sep; 148(3):313–6

Venous pressure and arm volume changes during simulated Bier's block. El–Hassan KM, et al. **Anaesthesia** 1984 Mar; 39(3):229–35

Epidural versus intramuscular fentanyl. Analgesia and pharmacokinetics in labour. Justins DM, et al. **Anaesthesia** 1983 Oct;38(10):937–42

Venous pressures during simulated Bier's block. Lawes EG, et al. **Anaesthesia** 1984 Feb;39(2):147–9

Bupivacaine and prilocaine in intravenous regional anaesthesia. McKeown DW, et al. **Anaesthesia** 1984 Feb; 39(2):150–4

Failure of intravenous regional analgesia using a double cuff tourniquet. Ogden PN. **Anaesthesia** 1984 May;39(5):456–9

Bupivacaine and intravenous regional anaesthesia [editorial] Reynolds F. **Anaesthesia** 1984 Feb;39(2):105–7

Prilocaine, bupivacaine and intravenous regional anaesthesia [letter] Tryba M. **Anaesthesia** 1984 Aug;39(8):844–5

Monitoring respiration during regional anesthesia [letter] Jain U, et al. **Anesthesiology** 1984 Feb;60(2):166

Accidental administration of adrenaline during i.v. regional anaesthesia [letter] Arditis J, et al. **Br J Anaesth** 1984 Aug; 56(8):923–4

Comparison of decreases in ventilation caused by enflurane and fentanyl during anaesthesia. Drummond GB. **Br J Anaesth** 1983 Sep;55(9):825–35

Fetal–neonatal status following caesarean section for fetal distress. Marx GF, et al. **Br J Anaesth** 1984 Sep; 56(9):1009–13

Plasma bupivacaine concentrations during combined regional and general anaesthesia for resection and reconstruction of head and neck carcinomata. Neill RS, et al. **Br J Anaesth** 1984 May;56(5):485–92

Influence of anaesthesia on coagulation and fibrinolytic proteins. Richard LC, et al. **Br J Anaesth** 1983 Sep; 55(9):869–72

Regional anaesthesia for outpatient surgery—a summary of 12 years' experience. Bridenbaugh LD. **Can Anaesth Soc J** 1983 Sep;30(5):548–52

Anaesthesia for patients with chronic renal disease. Weir PH, et al. **Can Anaesth Soc J** 1984 Jul;31(4):468–81 (59 ref.)

Evaluation of centbucridine for intravenous regional anaesthesia. Suri YV, et al. **Indian J Med Res** 1983 May; 77:722–7

Does regional anaesthesia reduce postoperative morbidity? Kehlet H. **Intensive Care Med** 1984;10(4):165–7

Use of butorphanol tartrate in balanced anesthesia. D'Angelo VF. **J Am Osteopath Assoc** 1983 Aug;82(12):907–13

Which agent for intravenous regional anaesthesia? [letter] McKeown DW, et al. **Lancet** 1983 Dec 24–31; 2(8365–66):1503

Regional anesthesia. Clark RB. **Obstet Gynecol Annu** 1984; 13:153–79 (78 ref.)

A review of the Bier's block technique. Pattison CW. **Practitioner** 1984 Feb;228(1388):235–7

[Therapeutic regional anesthesia following an accidental intra–arterial injection. A case report on anesthesiologic care following incorrect injection of Reparil (sodium escinate)] Abel M, et al. **Anaesthesist** 1983 Oct;32(10):494–7 (Eng. Abstr.) **(Ger)**

[General or regional anesthesia? (letter)] Janda A, et al. **Anaesthesist** 1984 Jun;33(6):301–2 **(Ger)**

[Respiratory and sleep–inducing effects of i.m. midazolam as premedication for regional anesthesia. Comparison with diazepam, promethazine/pethidine and placebo] Reinhart K, et al. **Anaesthesist** 1983 Nov;32(11):525–31 (Eng. Abstr.) **(Ger)**

[Stress reduction by i.m. premedication with 6 different single substances] Tolksdorf W, et al. **Anasth Intensivther Notfallmed** 1984 Feb;19(1):1–7 (Eng. Abstr.) **(Ger)**

[Peak blood levels of mepivacaine following intravenous regional anesthesia using various concentrations] Eckstein KL, et al. **Reg Anaesth** 1983 Apr;6(2):23–6 (Eng. Abstr.) **(Ger)**

[The popliteo–femoral block, a rarely used form of regional anesthesia. With special reference to the use of peripheral nerve stimulators] Hrubý J, et al. **Reg Anaesth** 1984 Apr; 7(2):59–64 (Eng. Abstr.) **(Ger)**

[Phantom phenomena during regional anesthesia] Mihic DN, et al. **Reg Anaesth** 1983 Apr;6(2):30–5 (Eng. Abstr.) **(Ger)**

[Controlled study on intravenous regional anesthesia using high and low concentration prilocaine] Tryba M, et al. **Reg Anaesth** 1983 Apr;6(2):27–9 (Eng. Abstr.) **(Ger)**

[Continuous interscalene brachial plexus block for prolonged anesthesia and relief of pain] Vatashsky E, et al. **Harefuah** 1984 Mar 15;106(6):257 (Eng. Abstr.) **(Heb)**

[Anesthesia and postoperative analgesia by means of subdural and subarachnoid morphine administration] Gerasimov EM, et al. **Anesteziol Reanimatol** 1983 Nov–Dec;(6):49–50 (Eng. Abstr.) **(Rus)**

[Clinical use of benzofurocaine for local and conduction anesthesia in general and microsurgical procedures] Arzumanov VS, et al. **Klin Khir** 1983 Dec;(12):40–2 (Eng. Abstr.) **(Rus)**

[Electrified display stand for dental conduction anesthesia] Skripnikov NS, et al. **Stomatologiia (Mosk)** 1983 Sep–Oct; 62(5):79–81 **(Rus)**

[The effect and use of opiates at the level of the spinal medulla] Križ M. **Lijec Vjesn** 1984 May;106(5):203–4 **(Scr)**

ADVERSE EFFECTS

Bupivacaine intravenous regional anaesthesia and resuscitation [letter] **Anaesthesia** 1984 Jun;39(6):612–3

The bupivacaine controversy [letter] Beeby DG, et al. **Anaesthesia** 1984 Aug;39(8):841

Intravenous regional analgesia. The danger of the congested arm and the value of occlusion pressure. Davies JA, et al. **Anaesthesia** 1984 May;39(5):416–21

Acute pulmonary edema after regional anesthesia with lidocaine and epinephrine in a patient with chronic renal failure. Rooke NT, et al. **Anesth Analg** 1984 Mar; 63(3):363–4

Bupivicaine toxicity and bier blocks [letter] Heath ML. **Anesthesiology** 1983 Nov;59(5):481

Regional anaesthesia in elective hand surgery [letter] **Ann R Coll Surg Engl** 1984 May;66(3):219–20

Myocardial infarction following regional anaesthesia for

carotid endarterectomy. Prough DS, et al. **Can Anaesth Soc J** 1984 Mar;31(2):192–6

Anesthesia in carotid endarterectomy. O'Holleran L, et al. **J Kans Med Soc** 1984 Apr;85(4):108–9, 121

Regional anaesthesia with bupivacaine [letter] Mason MA. **Lancet** 1983 Nov 5;2(8358):1085

[Disturbance of micturition, a harmless side effect of subdural regional anesthesia?] Lehmann C, et al. **Anaesth Intensivther Notfallmed** 1983 Dec;18(6):316–9 (Eng. Abstr.) (Ger)

METHODS

Regional anaesthesia in elective hand surgery. Slack CJ, et al. **Ann R Coll Surg Engl** 1983 Nov;65(6):370–1

A modified auriculotemporal nerve block for regional anesthesia of the temporomandibular joint. Donlon WC, et al. **J Oral Maxillofac Surg** 1984 Aug;42(8):544–5

[Management of chronic pain conditions—anesthesiologic aspects] Noisser HO, et al. **Chirurg** 1983 Dec;54(12):785–8 (Ger)

STANDARDS

Safety of intravenous regional anaesthesia [letter] Linter SP. **Lancet** 1983 Oct 1;2(8353):787

VETERINARY

Anesthesia for cesarean section in the dog and cat. Benson GJ, et al. **Mod Vet Pract** 1984 Jan;65(1):29–32

Intravenous regional analgesia for surgery of the limbs in goats. Babalola GO, et al. **Vet Q** 1983 Oct;5(4):186–9

ANESTHESIA, DENTAL

Nitrous oxide sedation in dentistry [letter] Allen WA. **Anaesthesia** 1984 Aug;39(8):837–9

Intravenous lignocaine in dental anaesthesia. The effect of pretreatment on the incidence of dysrhythmias. Clayton DG, et al. **Anaesthesia** 1983 Nov;38(11):1066–70

Inhalation sedation with 25% nitrous oxide. Report of a field trial. Edmunds DH, et al. **Anaesthesia** 1984 Feb; 39(2):138–42

Nitrous oxide sedation in dentistry. A comparison between Rotameter settings, pharyngeal concentrations and blood levels of nitrous oxide. Sher AM, et al. **Anaesthesia** 1984 Mar;39(3):236–9

Effects of diazepam premedication and epinephrine-containing local anesthetic on cardiovascular and plasma catecholamine responses to oral surgery. Dionne RA, et al. **Anesth Analg** 1984 Jul;63(7):640–6

Flunitrazepam and diazepam compared as sedatives in children. Auil B, et al. **ASDC J Dent Child** 1983 Nov–Dec; 50(6):442–4

Anaesthesia in dental surgeries [letter] **Aust Dent J** 1983 Oct; 28(5):321–2

Anesthesia in the dental surgery [letter] Rubinstein P. **Aust Dent J** 1983 Aug;28(4):250

Midazolam in dentistry [letter] **Br Dent J** 1984 May 19; 156(10):349

Self-mutilation under combined inferior dental block and solvent intoxication? Gilmour AG, et al. **Br Dent J** 1984 Jun 23;156(12):438–9

A personal view. The anatomy of unacceptable behaviour. Gordon E. **Br Dent J** 1984 Jan 21;156(2):40–1

Midazolam in dentistry [letter] Hill CM. **Br Dent J** 1984 Apr 7;156(7):240

Midazolam in dentistry. McGimpsey JG, et al. **Br Dent J** 1983 Jul 23;155(2):47–50

Midazolam in dentistry [letter] Ogden GR. **Br Dent J** 1984 Jun 9;156(11):386

'A second appropriate person'. Roberts GJ, et al. **Br Dent J** 1984 Jul 7;157(1):6–7

General anaesthesia and sedation [letter] Wilson MC. **Br Dent J** 1983 Sep 10;155(5):144

Waste nitrous oxide exposure. Ross AS, et al. **Can Dent Assoc J** 1984 Jul;50(7):561–3

Problems of medication with the pediatric patient. Brandt SK, et al. **Dent Clin North Am** 1984 Jul;28(3):563–79

Local anesthetics in dental practice. Milam SB, et al. **Dent Clin North Am** 1984 Jul;28(3):493–508

A comparative study of centbucridine and lidocaine in dental extraction. Vacharajani GN, et al. **Int J Clin Pharmacol Res** 1983;3(4):251–5

The effectiveness of 1.5% etidocaine HCl with epinephrine 1:200,000 and 2% lidocaine HCl with epinephrine 1:100,000 in oral surgery: a clinical comparison. Giovannitti JA, et al. **J Am Dent Assoc** 1983 Oct;107(4):616–8

Vasoconstrictors and local anesthesia: a review and rationale for use. Jastak JT, et al. **J Am Dent Assoc** 1983 Oct; 107(4):623–30 (75 ref.)

The inferior alveolar and mylohyoid nerves: an anatomic study and relationship to local anesthesia of the anterior mandibular teeth. Wilson S, et al. **J Am Dent Assoc** 1984 Mar;108(3):350–2

Serum amoxycillin levels following oral loading dose prior to outpatient general anaesthesia for dental extractions. Cannon PD, et al. **J Antimicrob Chemother** 1984 Mar; 13(3):285–9

The use of Entonox as a sedation agent for children who have refused operative dentistry. Warren VN, et al. **J Dent** 1983 Dec;11(4):306–12

Student difficulties in achieving local anesthesia. Milgrom P, et al. **J Dent Educ** 1984 Mar;48(3):168–70

Differential pharmacology of drugs used for intravenous pre-medication. Dionne RA. **J Dent Res** 1984 Jun; 63(6):842–7

Nitrous oxide analgesia: a psychophysical evaluation using verbal descriptor scaling. Heft MW, et al. **J Dent Res** 1984 Feb;63(2):129–32

Evaluation by thoracic impedance cardiography of diazepam, placebo, and two drug combinations for intravenous sedation of dental outpatients. Dionne RA, et al. **J Oral Maxillofac Surg** 1983 Dec;41(12):782–8

Educating the public about general anesthesia [letter] Olivotto M. **J Oral Maxillofac Surg** 1984 Apr;42(4):211

Evaluation of etidocaine hydrochloride for local anesthesia and postoperative pain control in oral surgery. Sisk AL, et al. **J Oral Maxillofac Surg** 1984 Feb;42(2):84–8

The efficacy of xylocaine topical anaesthetic in reducing injection pain. Yaacob HB, et al. **Med J Malaysia** 1983 Mar;38(1):59–61

To every benefit there is a risk [editorial] Cooper LM, et al. **NY J Dent** 1984 Feb;54(2):57–8

The influence of local anesthesia on occlusal adjustment. Gorfil C, et al. **NY J Dent** 1984 Jan;54(1):11–2

Penicillin-induced anaphylaxis in a patient under hypotensive anesthesia. Gallagher DM, et al. **Oral Surg** 1983 Oct; 56(4):361–4

Epidermolysis bullosa: dental and anesthetic management of two cases. Wright JT. **Oral Surg** 1984 Feb;57(2):155–7

[Acupuncture and dentistry] Lande M. **Actual Odontostomatol (Paris)** 1983 Sep;143:555–63 (Eng. Abstr.) (Fre)

[Clinical trials of a new local anesthetic in dentistry] Dall'Oppio L, et al. **Schweiz Monatsschr Zahnmed** 1984 Apr;94(4):307–14 (Eng. Abstr.) (Fre)

[Sedation analgesia in dentistry and oral surgery] Divinyi T. **Fogorv Sz** 1984 Feb;77(2):41–5 (Eng. Abstr.) (Hun)

[TENS in dental analgesia] Gerardi AU, et al. **Minerva Anestesiol** 1983 Oct;49(10):557–62 (Eng. Abstr.) (Ita)

[Tricyclic antidepressants and MAO inhibitors: how they affect local dental anesthesia] Perotti R, et al. **Minerva Stomatol** 1983 Nov–Dec;32(6):919–24 (Eng. Abstr.) (Ita)

[Visual motor coordination in the postanesthesia period after operative dentistry interventions in the polyclinic] Aleksandrov VN, et al. **Stomatologiia (Mosk)** 1984 Mar–Apr;63(2):46–7 (Eng. Abstr.) (Rus)

[Single-stage surgical treatment under general anesthesia of diffuse periodontitis] Skarlandt P. **Stomatologiia (Mosk)** 1984 Mar–Apr;63(2):26–8 (Eng. Abstr.) (Rus)

[Electrified display stand for dental conduction anesthesia] Skripnikov NS, et al. **Stomatologiia (Mosk)** 1983 Sep–Oct; 62(5):79–81 (Rus)

[General anesthesia in the stomatologic treatment of children in a single visit] Spasić Z, et al. **Med Pregl** 1982; 35(11–12):483–5 (Eng. Abstr.) (Ser)

ADVERSE EFFECTS

Cardiac dysrhythmia associated with general anaesthesia for oral surgery. Its prevention by the prophylactic use of an oral beta-adrenergic blocker. Hanna MH, et al. **Anaesthesia** 1983 Dec;38(12):1192–4

Day case dental anesthesia [letter] **Br Dent J** 1983 Aug 20; 155(4):110–1

The hazards of dental local anesthetics [letter] Cannell H. **Br Dent J** 1983 Jul 9;155(1):6

General anesthesia and sedation [letter] Walters H. **Br Dent J** 1983 Aug 20;155(4):111

Pedodontic sedation [letter] **J Am Dent Assoc** 1983 Oct; 107(4):546, 548

Malignant hyperthermia in dental patients. Adriani J, et al. **J Am Dent Assoc** 1984 Feb;108(2):180–4

N20 and chemically dependent patients [letter] Cady PA. **J Am Dent Assoc** 1984 May;108(5):732, 734

Nitrous oxide and the dental patient: a review of adverse reactions. Duncan GH, et al. **J Am Dent Assoc** 1984 Feb; 108(2):213–9 (76 ref.)

Life-threatening reactions after pedodontic sedation: an assessment of narcotic, local anesthetic, and antiemetic drug interaction. Goodson JM, et al. **J Am Dent Assoc** 1983 Aug;107(2):239–45

Venous complications of intravenous diazepam. Litchfield NB. **J Oral Maxillofac Surg** 1983 Nov;41(11):701–5

Neurohumorally induced cardiac dysrhythmias during nitrous oxide–oxygen–thiopental anesthesia. Tolas AG, et al. **J Oral Maxillofac Surg** 1983 Oct;41(10):649–52

Incidence and extent of venous sequelae with intravenous diazepam utilizing a standardized conscious sedation technique. Part II: Effects of injection site. Morgan M, et al. **J Periodontol** 1983 Nov;54(11):680–4

[Cardiac dysrhythmias during halothane and enflurane anesthesia for dental procedures: a comparison] Roelofse JA. **S Afr Med J** 1983 Sep 17;64(12):448–50 (Eng. Abstr.) (Afr)

[Traumatic ulcer following microwave irradiation and local anesthesia] Kutzner H, et al. **Hautarzt** 1984 Jul;35(7):370–2 (Eng. Abstr.) (Ger)

INSTRUMENTATION

Self-aspirating syringe [letter] **Br Dent J** 1984 Jul 7; 157(1):4–5

Measurements of pressures developed in the syringe during dental infiltration anaesthesia. Maita E, et al. **Br Dent J** 1984 Jun 9;156(11):399–400

Injectable debris associated with dental anesthetic delivery. Kelly JR, et al. **J Am Dent Assoc** 1984 Apr;108(4):621–4

The broken needle: report of case. Orr DL 2d. **J Am Dent Assoc** 1983 Oct;107(4):603–4

Clinical evaluation of periodontal ligament anesthesia using a pressure syringe. Smith GN, et al. **J Am Dent Assoc** 1983 Dec;107(6):953–6

METHODS

The bucco-gingival branch of the posterior superior alveolar artery: a source of haematomata when injecting in the maxilla. Carter EF. **Aust Dent J** 1983 Aug;28(4):197–201

Nitrous oxide dosage in relative analgesia. Allen WA. **Br Dent J** 1984 Jan 7;156(1):9–15

Day case dental anaesthesia. Evaluation of three methods of anaesthesia. Ogg TW, et al. **Br Dent J** 1983 Jul 9; 155(1):14–7

Precise selective anaesthesia using a pressure syringe. Chenail B, et al. **Can Dent Assoc J** 1984 May;50(5):404–5

Nitrous oxide–oxygen sedation in dental care. Hallonsten AL, et al. **Community Dent Oral Epidemiol** 1983 Dec; 11(6):347–55

Guidelines for outpatient general anesthesia to provide comprehensive dental treatment. Ferretti GA. **Dent Clin North Am** 1984 Jan;28(1):107–20

Intraligamentary—intraosseous anesthesia. A radiographic demonstration. Garfunkel AA, et al. **Int J Oral Surg** 1983 Oct;12(5):334–9

Analgesic effects of nitrous oxide with controlled painful stimuli. Dworkin SF, et al. **J Am Dent Assoc** 1983 Oct; 107(4):581–5

Difficulties in achieving local anesthesia. Kaufman E, et al. **J Am Dent Assoc** 1984 Feb;108(2):205–8

Intraligamentary anesthesia: a double-blind comparative study. Kaufman E, et al. **J Am Dent Assoc** 1984 Feb; 108(2):175–8

The extraoral approach to the infraorbital nerve block. Kleier DJ, et al. **J Am Dent Assoc** 1983 Nov;107(5):758–60

Pedodontic sedation [letter] Minichetti JC. **J Am Dent Assoc** 1983 Nov;107(5):708

Patience with local anesthesia [letter] Steinholtz LH. **J Am Dent Assoc** 1984 May;108(5):734

Conscious sedation: an alternative to general anesthesia. Bennett CR. **J Dent Res** 1984 Jun;63(6):832–3

Effects of local anesthetics on pulpal blood flow in dogs. Kim S, et al. **J Dent Res** 1984 May;63(5):650–2

Clinical effectiveness and untoward effects of new agents and techniques used in intravenous sedation. Korttila K. **J Dent Res** 1984 Jun;63(6):848–52

Clinical assessment of new I.V. sedation agents and techniques. Peterson LJ. **J Dent Res** 1984 Jun;63(6):838–41

Development of new agents and techniques for intravenous analgesia. Thut PD. **J Dent Res** 1984 Jun;63(6):834–7

Redefinition of pain control techniques [letter] Himmelfarb R. **J Oral Maxillofac Surg** 1984 Apr;42(4):211

General dentistry with general anesthesia: the private dental office as an ambulatory care facility. Green KP. **NY J Dent** 1983 Nov;53(7):327–8

Intramuscular ketamine, an additional tool in the treatment of the exceptional child. Hamburg HL. **NY State Dent J** 1984 Feb;50(2):78, 80–1

Periodontal ligament injection: evaluation of systemic effects. Smith GN, et al. **Oral Surg** 1983 Dec;56(6):571–4

[Use of oral ketamine in oral surgery. Clinical experiences in extractive surgery and ambulatory pedodontics] Badini Confalonieri F, et al. **Minerva Stomatol** 1983 Nov–Dec; 32(6):915–7 (Eng. Abstr.) (Ita)

[Use of electropuncture in preparing teeth] Grishanin GG. **Stomatologiia (Mosk)** 1984 May–Jun;63(3):69–71 (Eng. Abstr.) (Rus)

[Use of kalipsol for intravenous anesthesia in emergency oral surgery] Gritsuk SF, et al. **Stomatologiia (Mosk)** 1984 Mar–Apr;63(2):24–6 (Eng. Abstr.) (Rus)

[Anesthesia in the dental polyclinic for patients with central nervous system diseases] Starodubtsev VS, et al. **Stomatologiia (Mosk)** 1984 Jan–Feb;63(1):63–4 (Eng. Abstr.) (Rus)

[Combined anesthesia using subnarcotic doses of ketamine in dental surgical interventions] Starodubtsev VS, et al. **Stomatologiia (Mosk)** 1984 Jul–Aug;63(4):51–4 (Eng. Abstr.) (Rus)

[Experience with single-dose sombrevin anesthesia in outpatient dental practice] Mikhailenko VM, et al. **Vrach Delo** 1984 Apr;(4):97 (Rus)

TRENDS

Panel discussion on critical issues for future research on intravenous sedation—a consensus. Bennett CR. **J Dent Res** 1984 Jun;63(6):853–6

ANESTHESIA DEPARTMENT, HOSPITAL see under **HOSPITAL DEPARTMENTS**

ANESTHESIA, ELECTRIC see **ELECTRONARCOSIS**

ANESTHESIA, EPIDURAL

Effects of dihydroergotamine on haemodynamics and oxygen

consumption in the dog during high epidural block with special reference to the splanchnic region. Greitz T, et al. **Acta Anaesthesiol Scand** 1983 Oct;27(5):385–90

Failure of epidural analgesia to modify postoperative depression of delayed hypersensitivity. Hjortsø NC, et al. **Acta Anaesthesiol Scand** 1984 Apr;28(2):128–31

T-lymphocytes and the subpopulations of T-helper and T-suppressor cells measured by monoclonal antibodies (T11, T4, and T8) in relation to surgery under epidural and general anaesthesia. Hole A, et al. **Acta Anaesthesiol Scand** 1984 Jun;28(3):296–300

Per- and postoperative monocyte and lymphocyte functions: effects of sera from patients operated under general or epidural anaesthesia. Hole A. **Acta Anaesthesiol Scand** 1984 Jun;28(3):287–91

Effects of thoracic epidural analgesia on cardiovascular function and plasma concentration of free fatty acids and catecholamines in the dog. Hotvedt R, et al. **Acta Anaesthesiol Scand** 1984 Apr;28(2):132–7

Epidural analgesia and the endocrine–metabolic response to surgery. Update and perspectives. Kehlet H. **Acta Anaesthesiol Scand** 1984 Apr;28(2):125–7

Ventilation–perfusion relationships during epidural analgesia. Lundh R, et al. **Acta Anaesthesiol Scand** 1983 Oct; 27(5):410–6

Caudal anaesthesia for upper abdominal surgery in infants and children: a simple calculation of the volume of local anaesthetic. Satoyoshi M, et al. **Acta Anaesthesiol Scand** 1984 Feb;28(1):57–60

Blood concentrations of lidocaine, mepivacaine and bupivacaine during caudal analgesia in children. Takasaki M. **Acta Anaesthesiol Scand** 1984 Apr;28(2):211–4

Epidural anesthesia for cesarean section. The effect of morphine–bupivacaine administered epidurally for intra and postoperative pain relief. Hanson AL, et al. **Acta Obstet Gynecol Scand** 1984;63(2):135–40

Variations in the effect of epidural morphine in gynecological and obstetric patients. Niv D, et al. **Acta Obstet Gynecol Scand** 1983;62(5):455–9

General anaesthesia versus epidural block for caesarean section in patient with pre–eclampsia. Willdeck–Lund G. **Acta Obstet Gynecol Scand [Suppl]** 1984;118:117–9

Contribution of local blood flow regulation mechanisms to the maintenance of arterial pressure in upright position during epidural blockade. Henriksen O, et al. **Acta Physiol Scand** 1983 Jul;118(3):271–80

Chorioamnionitis, dysfunctional labor, and epidural analgesia [letter] Chestnut D. **Am J Obstet Gynecol** 1984 Jun 15; 149(4):475–6

Maternal and umbilical venous plasma immunoreactive beta–endorphin levels during labor with and without epidural analgesia. Jouppila R, et al. **Am J Obstet Gynecol** 1983 Dec 1;147(7):799–802

Anesthesia associated depression in lymphocyte traffic: less with regional anesthesia than with general anesthesia in sheep. Moore TC. **Am J Surg** 1984 Jul;148(1):71–6

Analgesia for neurolytic lumbar sympathetic blockade [letter] Morris RW, et al. **Anaesth Intensive Care** 1984 May; 12(2):177

Second stage of labour with or without extradural analgesia [letter] Bailey PW. **Anaesthesia** 1984 Feb;39(2):191–2

Anaesthesia in the morbidly obese. A comparison of anaesthetic and analgesic regimens for upper abdominal surgery. Buckley FP, et al. **Anaesthesia** 1983 Sep; 38(9):840–51

Epidural analgesia by infusion [letter] Caldwell JE, et al. **Anaesthesia** 1984 May;39(5):493–4

Epidural versus intramuscular fentanyl. Analgesia and pharmacokinetics in labour. Justins DM, et al. **Anaesthesia** 1983 Oct;38(10):937–42

Dural puncture via the sacral hiatus [letter] Meyer RJ. **Anaesthesia** 1984 Jun;39(6):610

Epidural analgesia and anticoagulant therapy [letter] Molnar I, et al. **Anaesthesia** 1984 Jun;39(6):602–3

Second stage of labour with or without extradural analgesia. Phillips KC, et al. **Anaesthesia** 1983 Oct;38(10):972–6

Epidural analgesia in labour and maternal posture. Rickford WJ, et al. **Anaesthesia** 1983 Dec;38(12):1169–74

Extradural analgesia and ichthyosis. Smart G, et al. **Anaesthesia** 1984 Feb;39(2):161–2

Epidural analgesia and instrumental delivery [letter] Thorburn J, et al. **Anaesthesia** 1984 Aug;39(8):842

Penile block for circumcision? A comparison with caudal blockade. Yeoman PM, et al. **Anaesthesia** 1983 Sep; 38(9):862–6

Detrusor tone after epidural morphine [letter] Baxter AD, et al. **Anesth Analg** 1984 Apr;63(4):464

Perioperative changes in blood pressure and heart rate. Berger JJ, et al. **Anesth Analg** 1984 Jul;63(7):647–52

Rostral spread of epidural morphine [letter] Downing JW, et al. **Anesth Analg** 1984 Mar;63(3):375–6

Cardiac electrophysiological and hemodynamic effects of beta–adrenoceptor blockade and thoracic epidural analgesia in the dog. Hotvedt R, et al. **Anesth Analg** 1984 Sep;63(9):817–24

Maternal and neonatal effects of epidural morphine for labor and delivery. Hughes SC, et al. **Anesth Analg** 1984 Mar; 63(3):319–24

Neonatal neurobehavioral responses after epidural anesthesia for cesarean section using lidocaine and bupivacaine. Kileff ME, et al. **Anesth Analg** 1984 Apr;63(4):413–7

Effects of maternal epidural anesthesia on neonatal behavior. Kuhnert BR, et al. **Anesth Analg** 1984 Mar;63(3):301–8

Maternal and neonatal elimination of CABA after epidural anesthesia with 2–chloroprocaine during parturition. Kuhnert BR, et al. **Anesth Analg** 1983 Dec;62(12):1089–94

Epidural buprenorphine—a double–blind study of postoperative analgesia and side effects. Lanz E, et al. **Anesth Analg** 1984 Jun;63(6):593–8

Concentrations of lactate and pyruvate in maternal and neonatal blood with different intravenous fluids used for prehydration before epidural anesthesia. Ramanathan S, et al. **Anesth Analg** 1984 Jan;63(1):69–74

Comparison of intramuscular and epidural morphine for postoperative analgesia in the grossly obese: influence on postoperative ambulation and pulmonary function. Rawal N, et al. **Anesth Analg** 1984 Jun;63(6):583–92

Respiratory depression after epidural morphine—an experimental and clinical study. Rawal N, et al. **Anesth Analg** 1984 Jan;63(1):8–14

Distance to the epidural space in nonobstetric patients [letter] Rosenberg H, et al. **Anesth Analg** 1984 May;63(5):539–40

Pulmonary embolism after tourniquet inflation [letter] San Juan AC Jr, et al. **Anesth Analg** 1984 Mar;63(3):374

Concerning the use and abuse of test doses for epidural anesthesia [letter] Abouleish E, et al. **Anesthesiology** 1984 Sep;61(3):344–6

Epinephrine should be used with the therapeutic dose of bupivacaine in obstetrics [letter] Albright GA. **Anesthesiology** 1984 Aug;61(2):217–9

Unilateral cervical epidural. Catchlove RF, et al. **Anesthesiology** 1984 Feb;60(2):147–8

Minute ventilation and oxygen consumption during labor with epidural analgesia. Hägerdal M, et al. **Anesthesiology** 1983 Nov;59(5):425–7

Wresting or resting ventilation [letter] Knill RL. **Anesthesiology** 1983 Dec;59(6):599–600

Treatment of a duro–cutaneous fistula secondary to attempted epidural anesthesia with an epidural autologous blood patch. Longmire S, et al. **Anesthesiology** 1984 Jan; 60(1):63–4

Postoperative dorsal epidural analgesia in the child with respiratory disabilities. Meignier M, et al. **Anesthesiology** 1983 Nov;59(5):473–5

Potential interactions between cimetidine and amide local anesthetics in obstetrics [letter] Moir CL, et al. **Anesthesiology** 1984 May;60(5):507–9

The optimal test dose for epidural anesthesia [letter] Nicholas AD. **Anesthesiology** 1984 Jan;60(1):79

Pharmacokinetic aspects of intrathecal morphine analgesia. Nordberg G, et al. **Anesthesiology** 1984 May;60(5):448–54

Further suggestions on epidural spread in pregnancy [letter] Sosis M, et al. **Anesthesiology** 1983 Dec;59(6):600–1

Another, yet simpler device for the identification of the epidural space [letter] Tillmann Hein HA, et al. **Anesthesiology** 1984 Jan;60(1):79–80

Measurement of the depth to the extradural space using ultrasound. Currie JM. **Br J Anaesth** 1984 Apr;56(4):345–7

Maternal and umbilical cord plasma noradrenaline concentrations during labour with and without segmental extradural analgesia, and during caesarean section. Jouppila R, et al. **Br J Anaesth** 1984 Mar;56(3):251–5

Caesarean section under extradural analgesia in a patient with Ebstein's anomaly. Linter SP, et al. **Br J Anaesth** 1984 Feb; 56(2):203–5

Effects of the extradural administration of morphine, or bupivacaine, on the endocrine response to upper abdominal surgery. Rutberg H, et al. **Br J Anaesth** 1984 Mar; 56(3):233–8

Segmental levels of anaesthesia following the extradural injection of 0.75% bupivacaine at different lumbar spaces in elderly patients. Sharrock NE, et al. **Br J Anaesth** 1984 Mar;56(3):285–7

Comparison of bupivacaine and etidocaine in extradural blockade. Sinclair CJ, et al. **Br J Anaesth** 1984 Feb; 56(2):147–53

Caesarean section under epidural analgesia. Morgan H. **Br J Hosp Med** 1983 Sep;30(3):179–80, 182–3 (37 ref.)

Fetal circulation during epidural analgesia for caesarean section. Lindblad A, et al. **Br Med J [Clin Res]** 1984 May 5;288(6427):1329–30

Epidural morphine does not affect the duration of action of epidural 2–chloroprocaine following Caesarean section. Brooks GZ, et al. **Can Anaesth Soc J** 1983 Nov; 30(6):598–602

Effectiveness of epidural anesthesia [letter] Potyrak CJ, et al. **Can Med Assoc J** 1984 Jul 15;131(2):100–1

Epidural morphine for post–hemorrhoidectomy analgesia. Kuo RJ. **Dis Colon Rectum** 1984 Aug;27(8):529–30

Obstetric analgesia and immunoreactive endorphin peptides in maternal plasma during labor. Riss PA, et al. **Gynecol Obstet Invest** 1984;17(3):127–30

Effect of segmental epidural analgesia on changes in peripheral blood leucocyte counts, lymphocyte subpopulations, and in vitro transformation in healthy parturients and their newborns. Ryhänen P, et al. **Gynecol Obstet Invest** 1984;17(4):202–7

Epidural and intrathecal opiates in obstetrics. Kanto J, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 Jun;22(6):316–23 (65 ref.)

Pain control following renal infarction/ablation using continuous epidural combined anesthesia/analgesia. Jordan GH, et al. **J Urol** 1983 Nov;130(5):861–2

Epidural anesthesia in labor. Various agents employed. Smith CM. **JOGN Nurs** 1984 Jan–Feb;13(1):17–21

Anaesthetic morbidity following caesarean section under epidural or general anaesthesia. Morgan BM, et al. **Lancet** 1984 Feb 11;1(8372):328–30

Peridural morphine analgesia is mediated by a direct spinal effect [letter] Willer JC, et al. **N Engl J Med** 1984 Aug 30;311(9):602

Pregnancy after spinal cord injury [letter] McCunniff DE, et al. **Obstet Gynecol** 1984 May;63(5):757–8

[Epidural anesthesia during labor] Atanasov A, et al. **Akush Ginekol (Sofiia)** 1983;22(2):112–6 (Eng. Abstr.) **(Bul)**

[Epidural analgesia in cesarean section. Comparison with general anesthesia] Smilov I, et al. **Akush Ginekol (Sofiia)** 1984;23(3):233–40 (Eng. Abstr.) **(Bul)**

[Dynamics of indices of acid–base equilibrium of the blood and blood gases following prolonged peridural analgesia in children with peritonitis] Kiradzhieva M, et al. **Khirurgiia (Sofiia)** 1984;37(2):88–93 (Eng. Abstr.) **(Bul)**

[Postmortem findings after long–term treatment of pain via an epidural catheter] Carl P, et al. **Ugeskr Laeger** 1983 Dec 19;145(51):4001 (Eng. Abstr.) **(Dan)**

[Treatment of postoperative pain with epidural buprenorphine and morphine after high laparotomies] Husegaard HC, et al. **Ugeskr Laeger** 1984 Jan 2;146(1):14–7 (Eng. Abstr.) **(Dan)**

[Epidural analgesia in peripheral vascular surgery] Hüttel MS, et al. **Ugeskr Laeger** 1984 Apr 9;146(15):1121–3 (Eng. Abstr.) **(Dan)**

[Influence of epidural anesthesia on postoperative nitrogen sparing in major digestive surgery] Delalande JP, et al. **Ann Fr Anesth Reanim** 1984;3(1):16–21 (Eng. Abstr.) **(Fre)**

[Effects of lidocaine at the plasma concentrations obtained by peridural injection on atrioventricular conduction disorders] Eledjam JJ, et al. **Ann Fr Anesth Reanim** 1984; 3(4):269–72 (Eng. Abstr.) **(Fre)**

[Caudal anesthesia in pediatric surgery (letter)] Giaufré E, et al. **Ann Fr Anesth Reanim** 1983;2(6):439 **(Fre)**

[Peridural anesthesia in obstetrics] Hervet E, et al. **Bull Acad Natl Med (Paris)** 1983 Apr;167(4):305–10 (Eng. Abstr.) **(Fre)**

[Caudal anesthesia in pediatric surgery] Giaufré E, et al. **Chir Pediatr** 1983;24(3):165–9 (Eng. Abstr.) **(Fre)**

[Postoperative analgesia by peridural morphine injection in abdominal surgery (letter)] Esteve M, et al. **J Chir (Paris)** 1984 Apr;121(4):295–6 **(Fre)**

[Peridural analgesia during labor: comparative study of a fentanyl–marcaine combination and marcaine alone] Desprats R, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1983;12(8):901–5 (Eng. Abstr.) **(Fre)**

[Place of peridural anesthesia in aorto–iliac surgery. Preliminary comparative study apropos of 32 patients] Thierry M, et al. **J Mal Vasc** 1983;8(4):329–33 (Eng. Abstr.) **(Fre)**

[Obstetric peridural analgesia at the Nyon district hospital: 1981–1983] Suppan P. **Rev Med Suisse Romande** 1983 Oct; 103(10):851–8 **(Fre)**

[Obstetric anesthesia at the Clinic of Montchoisi, Lausanne: 1972–1982] Waldvogel HH. **Rev Med Suisse Romande** 1983 Oct;103(10):841–9 **(Fre)**

[Anesthesia in a patient with hereditary angioedema] Schär B. **Anaesthesist** 1984 Mar;33(3):140–1 (Eng. Abstr.) **(Ger)**

[Plasma levels following lumbar epidural anesthesia with 0.75% bupivacaine] Biscoping J, et al. **Reg Anaesth** 1984 Apr;7(2):48–50 (Eng. Abstr.) **(Ger)**

[The question of equal potency of etidocaine and bupivacaine in peridural anesthesia] Diallo B, et al. **Reg Anaesth** 1984 Apr;7(2):33–8 (Eng. Abstr.) **(Ger)**

[Peridural anesthesia with etidocaine. Clinical studies on the effect of vasoconstrictors on sensory and motor blockade] Koch T, et al. **Reg Anaesth** 1984 Apr;7(2):39–43 (Eng. Abstr.) **(Ger)**

[Noninvasive determination by Doppler flow velocity recording of changes in peripheral resistance during epidural anesthesia] Pasch T, et al. **Reg Anaesth** 1984 Apr; 7(2):51–5 (Eng. Abstr.) **(Ger)**

[Thoracic epidural anesthesia with 0.75% bupivacaine has no effect on ACTH–stimulated cortisol secretion] Seeling W, et al. **Reg Anaesth** 1984 Jan;7(1):11–4 (Eng. Abstr.) **(Ger)**

[Comparative studies on general anesthesia versus peridural anesthesia in primary cesarean section] Traub E, et al. **Reg Anaesth** 1984 Jan;7(1):15–24 (Eng. Abstr.) **(Ger)**

[General anesthesia or peridural anesthesia in primary cesarean section; a comparative study] Kraus H, et al. **Z Geburtshilfe Perinatol** 1983 Jul–Aug;187(4):194–9 (Eng. Abstr.) **(Ger)**

[Effect of epidural analgesia on labor] Samberg I, et al. **Harefuah** 1983 Apr 15;104(8):321–5 **(Heb)**

[Thr value of continuous lumbal peridural anesthesia (based on 2606 cases)] Domino E, et al. **Orv Hetil** 1983 Oct 2; 124(40):2417–21 (Eng. Abstr.) **(Hun)**

[Epidural anesthesia in urologic practice] Felek C, et al. **Orv Hetil** 1983 Sep 25;124(39):2377–80 (Eng. Abstr.) **(Hun)**

[Peridural anesthesia with opiates. Clinical and neuropharmacologic criteria for the choice of combination] Maione M, et al. **Minerva Anestesiol** 1983 Sep;49(9):509–14 (Eng. Abstr.) **(Ita)**

[Peridural lumbar anesthesia, anesthesia of choice for angiography of the legs] Minutella G, et al. **Minerva Anestesiol** 1983 Oct;49(10):567–70 (Eng. Abstr.) **(Ita)**

[Criteria for choosing between local anesthesia and general anesthesia for vaginal hysterectomy] Palieri L, et al. **Minerva Ginecol** 1983 Nov;35(11):721–3 (Eng. Abstr.) **(Ita)**

[Continuous peridural analgesia with bupivacaine and morphine in urologic interventions of the pelvic cavity] Marten Perolino R, et al. **Minerva Urol** 1983 Oct–Dec; 35(4):263–5 (Eng. Abstr.) **(Ita)**

[CSF morphine concentration and analgesic effect] Fukushima K, et al. **Masui** 1984 Feb;33(2):110–4 (Eng. Abstr.) **(Jpn)**

[Changes of hemodynamics associated with epidural anesthesia and the values of vasoactive agents] Kajimoto Y. **Masui** 1983 Jun;32(6):688–96 (Eng. Abstr.) **(Jpn)**

[Bacterial contamination of epidural catheters retained for a protracted time] Kato Y, et al. **Masui** 1983 Jun; 32(6):703–9 (Eng. Abstr.) **(Jpn)**

[Effects of caudal extradural analgesia on pulmonary and systemic arterial pressure in children] Kawamoto M, et al. **Masui** 1984 May;33(5):520–4 (Eng. Abstr.) **(Jpn)**

[Segmental effect of epidural morphine analgesia] Kuba Y, et al. **Masui** 1984 Feb;33(2):115–9 (Eng. Abstr.) **(Jpn)**

[Effects of postoperative analgesia on endocrine–metabolic response to surgery—continuous epidural analgesia with bupivacaine and morphine] Murakami M, et al. **Masui** 1984 Jan;33(1):6–12 (Eng. Abstr.) **(Jpn)**

[Mechanism of analgesia induced by epidural morphine. 1. The sensitive radioimmunoassay of morphine using goat antiserum] Nakano S, et al. **Masui** 1983 Jun;32(6):697–702 (Eng. Abstr.) **(Jpn)**

[Analgesic effects of epidural morphine. 2. Serum and csf levels of morphine during epidural injection of morphine] Niimura A, et al. **Masui** 1984 Jan;33(1):2–5 (Eng. Abstr.) **(Jpn)**

[Anesthesia for primary aldosteronism evaluation of plasma aldosterone responses] Noguchi T, et al. **Masui** 1983 Dec; 32(12):1474–7 (Eng. Abstr.) **(Jpn)**

[Narcotic dependency in patients with cancer pain treated with epidural morphine] Ochi G, et al. **Masui** 1983 Jun; 32(6):758–63 (Eng. Abstr.) **(Jpn)**

[Blood lidocaine concentration—comparison between enzyme– immunoassay and high pressure liquid chromatography] Ogawa H, et al. **Masui** 1984 Jan; 33(1):50–5 (Eng. Abstr.) **(Jpn)**

[Depression of PHA response of lymphocytes in patients anesthetized with halothane] Otsuka S. **Masui** 1984 Apr; 33(4):340–7 (Eng. Abstr.) **(Jpn)**

[Epidural morphine in dextran solution] Yao M, et al. **Masui** 1983 Oct;32(10):1241–4 (Eng. Abstr.) **(Jpn)**

[Endocrine functions following epidural morphine in man—V. Effect on plasma norepinephrine and epinephrine levels] Yao M, et al. **Masui** 1984 Apr;33(4):352–5 (Eng. Abstr.) **(Jpn)**

[Endocrine functions following epidural morphine administration in man. 4. Effects on plasma beta–endorphin and beta–lipotropin levels] Yao M, et al. **Masui** 1983 Sep; 32(9):1104–9 (Eng. Abstr.) **(Jpn)**

[Effects of dopamine and dobutamine on hypotension related to epidural analgesia] Yoshida T, et al. **Masui** 1983 Jun; 32(6):680–7 (Eng. Abstr.) **(Jpn)**

[Renal function after anesthesia and abnormal surgery. A comparative study between halothane and epidural anesthesia] Yasuma F, et al. **Nippon Geka Gakkai Zasshi** 1983 Dec;84(12):1243–50 (Eng. Abstr.) **(Jpn)**

[Peroperative glucose tolerance. During general anesthesia or epidural anesthesia] Jyssum T, et al. **Tidsskr Nor Laegeforen** 1984 Jan 20;104(2):89–91 (Eng. Abstr.) **(Nor)**

[Epidural analgesia practiced by nurse anesthetists] Stadskleiv KJ, et al. **Tidsskr Nor Laegeforen** 1983 Nov 20; 103(32):2160–2 **(Nor)**

[Protracted peridural anesthesia with morphine and local anesthetics after oncologic surgery] Levité EM. **Anesteziol Reanimatol** 1983 Nov–Dec;(6):51–3 (Eng. Abstr.) **(Rus)**

[Peridural analgesia with morphine as a component of anesthesia] Semenikhin AA, et al. **Anesteziol Reanimatol** 1984 May–Jun;(3):41–3 (Eng. Abstr.) **(Rus)**

[Effect of peridural anesthesia on thermoregulation in the bodies of patients after surgery on the blood vessels of the lower extremities] Kuz'menko VF, et al. **Klin Khir** 1984 Jul;(7):40–3 (Eng. Abstr.) **(Rus)**

[Experience with the use of peridural anesthesia in a central regional hospital] Zima NF, et al. **Klin Khir** 1983 Dec; (12):43–5 (Eng. Abstr.) **(Rus)**

[Postoperative peridural analgesia with morphine, fentanyl and dipidolor] Badaev FI, et al. **Vestn Khir** 1984 Jun; 132(6):104–6 (Eng. Abstr.) **(Rus)**

[Prolonged peridural anesthesia with pyromecaine] Fomichev VA, et al. **Vestn Khir** 1983 Aug;131(8):88–9 (Eng. Abstr.) **(Rus)**

[Peridural morphine analgesia] Il'chenko NI, et al. **Vestn Khir** 1983 Dec;131(12):88–9 (Eng. Abstr.) **(Rus)**

[Prolonged peridural block for postoperative analgesia in heart surgery patients] Levit AL, et al. **Vestn Khir** 1983 Aug;131(8):85–8 (Eng. Abstr.) **(Rus)**

[Combined general and peridural anesthesia with local anesthetics and morphine] Novozhilov VA. **Vestn Khir** 1984 May;132(5):113–4 **(Rus)**

[Long–term peridural analgesia with morphine in complex anti–shock measures in patients with severe trauma] Semenikhin AA, et al. **Vestn Khir** 1984 May;132(5):76–8 (Eng. Abstr.) **(Rus)**

[The effect of a mixture of a local anesthetic, potassium chloride and opiates on epidural anesthesia and postoperative analgesia] Lederer V, et al. **Lijec Vjesn** 1984 May;106(5):196–8 (Eng. Abstr.) **(Scr)**

[Peridural analgesia with morphine in pain caused by terminal cancer] Whizar Lugo VM, et al. **Rev Clin Esp** 1983 Sep 15;170(5):181–4 (Eng. Abstr.) **(Spa)**

[Does preventive heparin therapy contraindicate peridural anesthesia?] Castillo Monsegur J, et al. **Rev Esp Anestesiol Reanim** 1984 Jan–Feb;31(1):36 **(Spa)**

[Accidental overdose of morphine in post–thoracotomy epidural anesthesia] Criado A, et al. **Rev Esp Anestesiol Reanim** 1984 Mar–Apr;31(2):72–4 (Eng. Abstr.) **(Spa)**

[Total abruption of the placenta in elective cesarean section during epidural blockade] Willdeck–Lund G, et al. **Lakartidningen** 1984 May 2;81(18):1816–7 **(Swe)**

ADVERSE EFFECTS

Accidental epidural thiopentone. Cay DL. **Anaesth Intensive Care** 1984 Feb;12(1):61–3

Total spinal or massive subdural? [letter] Russell IF. **Anaesth Intensive Care** 1983 Nov;11(4):386–8

Unexplained pain during epidural analgesia [letter] Edwards GM, et al. **Anaesthesia** 1984 Feb;39(2):194

An interesting dural tap [letter] Heaney GA. **Anaesthesia** 1984 Apr;39(4):386

Unexplained pain during epidural anaesthesia [letter] Heggie NM. **Anaesthesia** 1984 Jun;39(6):609–10

Emphysema of the neck after epidural anaesthesia [letter] Kilpatrick SM. **Anaesthesia** 1984 May;39(5):499–500

A migrating epidural cannula [letter] Park R. **Anaesthesia** 1984 Mar;39(3):289

A rare complication of extradural analgesia. Pearson RM. **Anaesthesia** 1984 May;39(5):460–3

Extensive spread of local anaesthetic solution following subdural insertion of an epidural catheter during labour. Smith GB, et al. **Anaesthesia** 1984 Apr;39(4):355–8

Epidural analgesia and instrumental delivery. Walton P, et al. **Anaesthesia** 1984 Mar;39(3):218–23

Epidural anesthesia for elective cesarean section [letter] Crawford JS. **Anesth Analg** 1984 Jun;63(6):623–5

Unusual clinical course of accidental subdural local anesthetic injection. Manchanda VN, et al. **Anesth Analg** 1983 Dec; 62(12):1124–6

Precordial chest pain during spinal or epidural anesthesia [letter] Ravindran RS, et al. **Anesth Analg** 1983 Dec; 62(12):1134

Hemiparesis following dural puncture. Wedel DJ, et al. **Anesthesiology** 1983 Nov;59(5):475–7

Accidental dural puncture [letter] Abouleish EI, et al. **Br J Anaesth** 1984 Jun;56(6):668–9

Bupivacaine toxicity in association with extradural analgesia for caesarean section. Thorburn J, et al. **Br J Anaesth** 1984 May;56(5):551–3

Caesarean section under epidural analgesia [letter] **Br J Hosp Med** 1983 Dec;30(6):438

Oxytocin deficiency at delivery with epidural analgesia. Bailey PW, et al. **Br J Obstet Gynaecol** 1983 Oct; 90(10):988–90

Epidural analgesia and assisted delivery. Commentary [letter] Goodfellow CF, et al. **Br J Obstet Gynaecol** 1984 Jan; 91(1):92

Prevention of urinary retention with phenoxybenzamine during epidural morphine. Evron S, et al. **Br Med J [Clin Res]** 1984 Jan 21;288(6412):190

Epidural anesthesia and the course of labor and delivery. Eggertsen SC, et al. **J Fam Pract** 1984 Feb;18(2):309–13

Diffuse arachnoiditis following epidural analgesia. Boiardi A, et al. **J Neurol** 1983;230(4):253–7

Effects of surgery and epidural or general anaesthesia on testosterone, 17–hydroxyprogesterone and cortisol plasma levels in prepubertal boys. Boninsegni R, et al. **J Steroid Biochem** 1983 Dec;19(6):1783–7

Acute sacral epidural abscess following local anaesthetic injection. Rustin MH, et al. **Postgrad Med J** 1983 Jun; 59(692):399–400

Metaraminol and dobutamine for the treatment of hypotension associated with epidural block. Kajimoto Y, et al. **Resuscitation** 1984 May;12(1):47–51

[Infectious iatrogenic complications of continuous epidural analgesia] Ducrocq JL, et al. **Agressologie** 1983 Apr; 24(4):179–80 (Eng. Abstr.) **(Fre)**

[Lumbago and epidural analgesia in obstetrics] Neff R. **Rev Med Suisse Romande** 1983 Oct;103(10):859–65 **(Fre)**

[Cesarean section under peridural anesthesia and hypotension: value of preventive intra–venous ephedrine] Stalder JB, et al. **Rev Med Suisse Romande** 1983 Oct;103(10):867–70 **(Fre)**

[Effect and adverse effects of epidural anesthesia during labor. With special reference to changes in the cardiotocogram] Baumgarten K, et al. **Geburtshilfe Fraunheilkd** 1984 Mar;44(3):150–4 (Eng. Abstr.) **(Ger)**

[Headache following epidural anesthesia] Heinz T, et al. **Geburtshilfe Fraunheilkd** 1984 Mar;44(3):155–6 (Eng. Abstr.) **(Ger)**

[Problems of accidental blood vessel puncture in peridural anesthesia] Beck H, et al. **Reg Anaesth** 1983 Apr;6(2):40–2 (Eng. Abstr.) **(Ger)**

[Identification of the peridural space with the infusion method in relation to the incidence of inadvertent puncture of the dura] Bhate H. **Reg Anaesth** 1984 Apr;7(2):44–7 (Eng. Abstr.) **(Ger)**

[Fatal lung embolism following ischemia and peridural anesthesia] Mihic DN, et al. **Reg Anaesth** 1983 Oct; 6(4):83–5 (Eng. Abstr.) **(Ger)**

[Cutaneous cerebrospinal fluid fistula associated with secondary puncture of the dura caused by a peridural catheter] Motsch J, et al. **Reg Anaesth** 1984 Apr;7(2):74–6 (Eng. Abstr.) **(Ger)**

[Treatment of post–dural puncture headache] Sidi A, et al. **Harefuah** 1983 Nov 1;105(9):254–7 (Eng. Abstr.) **(Heb)**

[Late depressive effect of epidural and intrathecal morphine analgesia on respiration] Migály P, et al. **Orv Hetil** 1984 Feb 5;125(6):327–9 (Eng. Abstr.) **(Hun)**

[Case of subdural pneumocephalus after epidural anesthesia] Hukuuchi A, et al. **Masui** 1983 Sep;32(9):1132–5 (Eng. Abstr.) **(Jpn)**

[A case of malignant hyperthermia] Cardan E, et al. **Rev Chir [Chir]** 1984 Jan–Feb;33(1):77–80 (Eng. Abstr.) **(Rum)**

[A severe complication of peridural trimecaine anesthesia] Rafkevich NP. **Khirurgiia (Mosk)** 1984 Apr;(4):120–1 **(Rus)**

[Choice of anesthesia in elderly and aged patients undergoing surgery for acute cholecystitis] Buianov VM, et al. **Klin Khir** 1983 Sep;(9):7–11 (Eng. Abstr.) **(Rus)**

[Peridural anesthesia in a general hospital. Hazards and complications] Shtylev SL. **Klin Khir** 1983 Dec;(12):47–9 **(Rus)**

INSTRUMENTATION

Insertion of epidural catheters [letter] Scott DB, et al. **Anaesthesia** 1983 Nov;38(11):1108–9

Epidural, on–demand, low–dose morphine infusion for postoperative pain [letter] Chrubasik J. **Lancet** 1984 Jan 14;1(8368):107–8

[The Mancao cannula—a new system for the facilitation of peridural puncture] Mancao F, et al. **Reg Anaesth** 1983 Oct;6(4):88–90 (Eng. Abstr.) **(Ger)**

METHODS

Epidural anaesthesia for vascular surgery in a patient with primary pulmonary hypertension. Davies MJ, et al. **Anaesth Intensive Care** 1984 May;12(2):165–7

Total spinal or massive subdural? [letter] Goodison R. **Anaesth Intensive Care** 1984 May;12(2):175–7

Epidural buprenorphine [letter] Murchison DJ, et al. **Anaesth Intensive Care** 1984 May;12(2):179

Forum. A comparison between the midline and paramedian approaches to the extradural space. Griffin RM, et al. **Anaesthesia** 1984 Jun;39(6):584–6

Continuous infusion epidural analgesia in parturients receiving bupivacaine, chloroprocaine, or lidocaine—maternal, fetal, and neonatal effects. Abboud TK, et al. **Anesth Analg** 1984 Apr;63(4):421–8

The sitting position and anesthetic spread in the epidural space. Park WY, et al. **Anesth Analg** 1984 Sep;63(9):863–4

Bupivacaine cardiotoxicity in a pregnant patient with mitral valve prolapse: an example of improperly administered epidural block [letter] Batra MS, et al. **Anesthesiology** 1984 Feb;60(2):170–1

Osteogenesis imperfecta: anesthetic management of a patient for cesarean section: a case report. Cunningham AJ, et al. **Anesthesiology** 1984 Jul;61(1):91–3

Neonatal pattern of breathing following cesarean section: epidural versus general anesthesia. Fisher JT, et al. **Anesthesiology** 1983 Nov;59(5):385–9

Mechanical aspects of epidural catheter insertion—prevention of catheter buckling by means of a needle hub insert. Pinchak AC, et al. **Anesthesiology** 1983 Dec;59(6):549–53

A useful technique for teaching epidural anesthesia [letter] Thomas PS, et al. **Anesthesiology** 1984 Mar;60(3):263

Segmental epidural analgesia – a modern method for safe and effective management of labor pains. Kanto J, et al. **Biol Res Pregnancy Perinatol** 1983;4(4):172–6

An efficient technique for performing extradural blockade [letter] Sosis M, et al. **Br J Anaesth** 1984 Aug;56(8):928–9

Caesarean section in a patient with Cushing's syndrome. Glassford J, et al. **Can Anaesth Soc J** 1984 Jul;31(4):447–50

Cervical epidural anesthesia for head and neck surgery. Wittich DJ Jr, et al. **Laryngoscope** 1984 May;94(5 Pt 1):615–9

[Epidural anesthesia using the bupivacaine–fentanyl combination for cesarean section] Milon D, et al. **Ann Fr Anesth Reanim** 1983;2(4):273–9 (Eng. Abstr.) **(Fre)**

[Peridural use of buprenorphine. Case report] Dahl HD. **Reg Anaesth** 1984 Apr;7(2):56–8 (Eng. Abstr.) **(Ger)**

[Blood glucose, ACTH, cortisol, T4, T3 and rT3 after cholecystectomy. Comparative studies of continuous peridural anesthesia and neuroleptanalgesia] Seeling W, et al. **Reg Anaesth** 1984 Jan;7(1):1–10 (Eng. Abstr.) **(Ger)**

[Peridural pain therapy] Chrubasik J. **ZFA (Stuttgart)** 1983 Sep 10;59(25):1395–8 **(Ger)**

[Proposal of an anesthesia and post-operative analgesia protocol for vaginal hysterectomy] Fanzago E, et al. **Minerva Ginecol** 1983 Nov;35(11):715–20 (Eng. Abstr.) **(Ita)**

[Anesthetic management of carotid arterial aneurysm and vascular reconstruction] Kainuma M, et al. **Masui** 1983 Nov;32(11):1397–400 (Eng. Abstr.) **(Jpn)**

[Cardiotocographic evaluation of deliveries under continuous epidural anesthesia] Robaczyński J, et al. **Ginekol Pol** 1983 Jun;54(6):401–6 (Eng. Abstr.) **(Pol)**

[Use of peridural analgesia during treatment of uterine inertia] Gusev SIu, et al. **Akush Ginekol (Mosk)** 1983 Aug;(8):38–40 (Eng. Abstr.) **(Rus)**

[Methods and technics of peridural anesthesia] Fomichev VA, et al. **Anesteziol Reanimatol** 1983 Nov–Dec;(6):47–9 (Eng. Abstr.) **(Rus)**

[Prolonged peridural analgesia in the postoperative period in children] Mikhel'son VA, et al. **Klin Khir** 1984 Jun;(6):17–20 (Eng. Abstr.) **(Rus)**

[Epiduro-sacral anesthesia in proctology] Kharaberiush VA, et al. **Vestn Khir** 1984 Jul;132(7):86–8 (Eng. Abstr.) **(Rus)**

[Methods of analgesia in the postoperative period of patients with suppurative peritonitis] Shanin IuN, et al. **Voen Med Zh** 1983 Aug;(8):31–3 **(Rus)**

UTILIZATION

[Epidural anesthesia during labor in Norway] Hoel TM, et al. **Tidsskr Nor Laegeforen** 1984 May 30;104(15):1038–41 (Eng. Abstr.) **(Nor)**

VETERINARY

Continuous caudal epidural and subarachnoid anesthesia in mares: a comparative study. Skarda RT, et al. **Am J Vet Res** 1983 Dec;44(12):2290–8

Continuous caudal epidural anesthesia in the horse. Green EM, et al. **J Am Vet Med Assoc** 1984 Apr 15;184(8):971–4

[The peridural catheter and its importance for peridural anesthesia and pain treatment in the dog] Bonath K, et al. **Berl Munch Tierarztl Wochenschr** 1984 Jan 1;97(1):1–4 (Eng. Abstr.) **(Ger)**

ANESTHESIA, EXTRADURAL see **ANESTHESIA, EPIDURAL**

ANESTHESIA, GENERAL

A study of the action of oral cimetidine or placebo on the pH and the volume of gastric contents when administered the evening or the morning before general anesthesia. A double blind study. Barvais L, et al. **Acta Anaesthesiol Belg** 1983 Dec;34(4):273–81

Modification by baroreceptor feedback of circulatory responses to noxious stimuli during anaesthesia in cats. Biber B, et al. **Acta Anaesthesiol Scand** 1983 Oct;27(5):391–5

T-lymphocytes and the subpopulations of T-helper and T-suppressor cells measured by monoclonal antibodies (T11, T4, and T8) in relation to surgery under epidural and general anaesthesia. Hole A, et al. **Acta Anaesthesiol Scand** 1984 Jun;28(3):296–300

Per- and postoperative monocyte and lymphocyte functions: effects of sera from patients operated under general or epidural anaesthesia. Hole A. **Acta Anaesthesiol Scand** 1984 Jun;28(3):287–91

Recovery after general anaesthesia for laparoscopy. Hovorka J, et al. **Acta Anaesthesiol Scand** 1983 Oct;27(5):396–9

Influence of anaesthesia on blood flow to the calves during surgery. Lindström B, et al. **Acta Anaesthesiol Scand** 1984 Apr;28(2):201–3

Haemodynamic effects of midazolam in the anaesthetized patient with coronary artery disease. Massaut J, et al. **Acta Anaesthesiol Scand** 1983 Aug;27(4):299–302

Effects of enflurane-nitrous oxide anaesthesia and surgical stimulation on regional coronary haemodynamics in a patient with LAD bypass graft. Reiz S. **Acta Anaesthesiol Scand** 1983 Oct;27(5):417–20

General anaesthesia versus epidural block for caesarean section in patient with pre-eclampsia. Willdeck-Lund G. **Acta Obstet Gynecol Scand [Suppl]** 1984;118:117–9

Cerebrovascular responses to oxygen during barbiturate anesthesia. Shinozuka T, et al. **Adv Exp Med Biol** 1983; 159:165–74

Changes in the electrical skin resistance on meridians during gastric surgery under general anesthesia. Ogata H, et al. **Am J Chin Med** 1983;11(1–4):123–9

Labyrinthine membrane rupture caused by elevated intratympanic pressure during general anesthesia. Segal S, et al. **Am J Otol** 1984 Apr;5(4):308–10

Nitrogen narcosis and pressure reversal of anesthetic effects in node of Ranvier. Kendig JJ. **Am J Physiol** 1984 Jan;246(1 Pt 1):C91–5

Anesthesia-associated depression in lymphocyte traffic and its modulation. Moore TC. **Am J Surg** 1984 Jun; 147(6):807–12

Anesthesia associated depression in lymphocyte traffic: less with regional anesthesia than with general anesthesia in sheep. Moore TC. **Am J Surg** 1984 Jul;148(1):71–6

The airway in mucopolysaccharidoses [letter] Brown TC. **Anaesth Intensive Care** 1984 May;12(2):178

A post-anaesthetic scoring system. Thomas D, et al. **Anaesth Intensive Care** 1984 May;12(2):125–6

Ketamine anaesthesia for pyloromyotomy [letter] **Anaesthesia** 1984 Apr;39(4):381

General anaesthesia for trans-bronchial lung biopsy. Barr AM, et al. **Anaesthesia** 1984 Aug;39(8):822–5

Anaesthesia for a patient with Down's syndrome and Eisenmenger's complex. Bird TM, et al. **Anaesthesia** 1984 Jan;39(1):48–50

Anaesthesia in the morbidly obese. A comparison of anaesthetic and analgesic regimens for upper abdominal surgery. Buckley FP, et al. **Anaesthesia** 1983 Sep; 38(9):840–51

Gammahydroxybutyrate [letter] Campbell IT. **Anaesthesia** 1983 Nov;38(11):1105–6

Ketamine and infants [letter] Chatterjee SC, et al. **Anaesthesia** 1983 Oct;38(10):1007

McArdle's disease. Problems of anaesthetic management for Caesarean section. Coleman P. **Anaesthesia** 1984 Aug; 39(8):784–7

Postoperative morbidity following gynaecological outpatient laparoscopy. A reappraisal of the service. Collins KM, et al. **Anaesthesia** 1984 Aug;39(8):819–22

Midazolam and induction of anaesthesia [letter] Derbyshire DR, et al. **Anaesthesia** 1984 Jan;39(1):69–70

An evaluation of Org NC 45 (vecuronium) in paediatric anaesthesia. Ferres CJ, et al. **Anaesthesia** 1983 Oct; 38(10):943–7

The anaesthetic management of bone marrow harvest for transplantation. Filshie J, et al. **Anaesthesia** 1984 May; 39(5):480–4

Reduction of postoperative vomiting in high-risk patients. Fisher MM. **Anaesthesia** 1984 Mar;39(3):279–81

Cardiomyopathy and phaeochromocytoma. Gilsanz FJ, et al. **Anaesthesia** 1983 Sep;38(9):888–91

Buprenorphine, benzodiazepines and respiratory depression [letter] Green DW. **Anaesthesia** 1984 Mar;39(3):287–8

Beta-adrenoceptor blockade and anaesthesia for thyroidectomy. Hamilton WF, et al. **Anaesthesia** 1984 Apr; 39(4):335–42 (39 ref.)

Anaesthesia, atracurium and Huntington's chorea [letter] Harris MN. **Anaesthesia** 1984 Jan;39(1):66

Anaesthetic considerations in the mucopolysaccharidoses. King DH, et al. **Anaesthesia** 1984 Feb;39(2):126–31

Liquid crystal thermometry during anaesthesia. Lacoumenta S, et al. **Anaesthesia** 1984 Jan;39(1):54–6

Anaesthesia for lower limb amputation. A comparison of spinal analgesia and general anaesthesia in the elderly. Mann RA, et al. **Anaesthesia** 1983 Dec;38(12):1185–91

Day-case anaesthesia for termination of pregnancy. Evaluation of a total intravenous anaesthetic technique. Ogg TW, et al. **Anaesthesia** 1983 Nov;38(11):1042–6

Hepatic metabolic ability during anaesthesia. Evaluation of antipyrine half-lives and their relation to enflurane metabolism. Oikkonen M, et al. **Anaesthesia** 1984 Jul; 39(7):660–5

Dantrolene sodium and dystrophia myotonica. Phillips DC, et al. **Anaesthesia** 1984 Jun;39(6):568–73

Electromyography in anaesthesia. A comparison between two methods. Pugh ND, et al. **Anaesthesia** 1984 Jun; 39(6):574–7

The effects of atropine and glycopyrrolate on intra-ocular pressure in anaesthetised elderly patients. Salem MG, et al. **Anaesthesia** 1984 Aug;39(8):809–12

Anaesthesia for trigeminal thermocoagulation [letter] Samuels SI, et al. **Anaesthesia** 1983 Sep;38(9):912–3

Choice reaction time. A method of measuring postoperative psychomotor performance decrements. Scott WA, et al. **Anaesthesia** 1983 Dec;38(12):1162–8

Anaesthetic management of congenital fusion of the jaws in a neonate. Seraj MA, et al. **Anaesthesia** 1984 Jul; 39(7):695–8

Forum. The use of atracurium besylate for laparoscopy. Sleigh JW, et al. **Anaesthesia** 1984 Mar;39(3):277–9

Perioperative changes in blood pressure and heart rate. Berger JJ, et al. **Anesth Analg** 1984 Jul;63(7):647–52

Ventilatory depression related to plasma fentanyl concentrations during and after anesthesia in humans. Cartwright P, et al. **Anesth Analg** 1983 Nov;62(11):966–74

Anesthetic management of the first permanent, orthotopic, prosthetic cardiac replacement (total artificial heart) in man. Pace NL, et al. **Anesth Analg** 1984 Jul;63(7):685–9

Variation in PCO2 between arterial blood and peak expired gas during anesthesia. Raemer DB, et al. **Anesth Analg** 1983 Dec;62(12):1065–9

Prolonged bradycardia after neostigmine administration in a patient taking nadolol. Seidl DC, et al. **Anesth Analg** 1984 Mar;63(3):365–7

Alpha-adrenergic responsiveness correlates with epinephrine dose for arrhythmias during halothane anesthesia in dogs. Spiss CK, et al. **Anesth Analg** 1984 Mar;63(3):297–300

Hemodynamic consequences of halothane anesthesia during chronic anemia. Barrera M, et al. **Anesthesiology** 1984 Jul; 61(1):36–42

Contribution of the closure of pulmonary units to impaired oxygenation during anesthesia. Bergman NA, et al. **Anesthesiology** 1983 Nov;59(5):395–401

Awareness during surgery. Blacher RS. **Anesthesiology** 1984 Jul;61(1):1–2

Recall of surgery for major trauma. Bogetz MS, et al. **Anesthesiology** 1984 Jul;61(1):6–9

Effect of general anesthetics and pressure on aerobic metabolism of monkey kidney cells. Brabec MJ, et al. **Anesthesiology** 1984 Jul;61(1):43–7

Anesthetic management of pulmonary thromboendarterectomy. Brown DL, et al. **Anesthesiology** 1984 Aug;61(2):197–200

Antiemetic efficacy of droperidol and metoclopramide. Cohen SE, et al. **Anesthesiology** 1984 Jan;60(1):67–9

Effectiveness of Bicitra as a preoperative antacid. Gibbs CP, et al. **Anesthesiology** 1984 Jul;61(1):97–9

Resting ventilation measurements may be misleading [letter] Gross JB. **Anesthesiology** 1984 Jul;61(1):110

Comparative cardiovascular effects of verapamil, nifedipine, and diltiazem during halothane anesthesia in swine. Kates RA, et al. **Anesthesiology** 1984 Jul;61(1):10–8

Baroreceptor reflex control of heart rate during isoflurane anesthesia in humans. Kotrly KJ, et al. **Anesthesiology** 1984 Mar;60(3):173–9

Computer-assisted pediatric worksheets for anesthesia [letter] Kraemer CA, et al. **Anesthesiology** 1984 May;60(5):520–2

Supplemental oxygen does not cause respiratory failure in bleomycin-treated surgical patients. LaMantin KR, et al. **Anesthesiology** 1984 Jan;60(1):65–7

Intraoperative diagnosis of hypertrophic obstructive cardiomyopathy. Lanier W, et al. **Anesthesiology** 1984 Jan; 60(1):61–3

Whole body oxygen consumption in awake, sleeping, and anesthetized dogs. Mikat M, et al. **Anesthesiology** 1984 Mar; 60(3):220–7

Treacher-Collins syndrome with sleep apnea: anesthetic considerations. Roa NL, et al. **Anesthesiology** 1984 Jan; 60(1):71–3

Effect of brain levels of drugs on the validity of techniques measuring ventilatory depression [letter] Roy RC. **Anesthesiology** 1984 Mar;60(3):264–5

Anesthesia does not increase opioid peptides in cerebrospinal fluid of humans. Way WL, et al. **Anesthesiology** 1984 Jan; 60(1):43–5

Cardiovascular and metabolic sequelae of inducing anesthesia with ketamine or thiopental in hypovolemic swine. Weiskopf RB, et al. **Anesthesiology** 1984 Mar;60(3):214–9

Anaesthesia in dental surgeries [letter] **Aust Dent J** 1983 Oct; 28(5):321–2

Anesthesia in the dental surgery [letter] Rubinstein P. **Aust Dent J** 1983 Aug;28(4):250

General anaesthesia and sedation [letter] Wilson MC. **Br Dent J** 1983 Sep 10;155(5):144

Comparison of fentanyl and halothane supplementation to general anaesthesia on the stress response to upper abdominal surgery. Campbell BC, et al. **Br J Anaesth** 1984 Mar;56(3):257–61

General anaesthesia for caesarean section in severe pre-eclampsia. Comparison of the renal and hepatic effects of enflurane and halothane. Crowhurst JA, et al. **Br J Anaesth** 1984 Jun;56(6):587–97

Effect of airway occlusion on respiratory timing during anaesthesia with enflurane or halothane. Drummond GB. **Br J Anaesth** 1984 Mar;56(3):215–21

Arterial oxygen saturation before intubation of the trachea. An assessment of oxygenation techniques. Drummond GB, et al. **Br J Anaesth** 1984 Sep;56(9):987–93

Impaired B lymphocyte function during open-heart surgery. Effects of anaesthesia and surgery. Eskola J, et al. **Br J Anaesth** 1984 Apr;56(4):333–8

Use of atracurium in caesarean section. Flynn PJ, et al. **Br J Anaesth** 1984 Jun;56(6):599–605

Anaesthesia for caesarean section and the Jervell, Lange-Nielson syndrome (prolonged Q-T interval syndrome). Freshwater JV. **Br J Anaesth** 1984 Jun; 56(6):655–7

Prolonged suxamethonium infusion during nitrous oxide anaesthesia supplemented with halothane or fentanyl. Futter ME, et al. **Br J Anaesth** 1983 Oct;55(10):947–53

Changes in lung volume and (PAO2-PaO2) during anaesthesia. Heneghan CP, et al. **Br J Anaesth** 1984 May; 56(5):437–45

Flunitrazepam as an induction agent in children. A clinical and pharmacokinetic study. Iisalo E, et al. **Br J Anaesth** 1984 Aug;56(8):899–902

Baroreflex effects of althesin infusions to supplement nitrous oxide anaesthesia in man. Jones DF, et al. **Br J Anaesth** 1983 Sep;55(9):849–53

Long-term outcome after repair of fractured neck of femur. Comparison of subarachnoid and general anaesthesia. McKenzie PJ, et al. **Br J Anaesth** 1984 Jun;56(6):581–5

Fetal-neonatal status following caesarean section for fetal distress. Marx GF, et al. **Br J Anaesth** 1984 Sep; 56(9):1009–13

Gastric contents at induction of anaesthesia. Is a 4-hour fast necessary? Miller M, et al. **Br J Anaesth** 1983 Dec; 55(12):1185–8

Control of intragastric pH and volume. Morgan M. **Br J Anaesth** 1984 Jan;56(1):47–57 (108 ref.)

Plasma bupivacaine concentrations during combined regional and general anaesthesia for resection and reconstruction of head and neck carcinomata. Neill RS, et al. **Br J Anaesth** 1984 May;56(5):485–92

Blood-glucose concentrations during anaesthesia in children. Effects of starvation and perioperative fluid therapy. Nilsson K, et al. **Br J Anaesth** 1984 Apr;56(4):375–9

Alfentanil-supplemented anaesthesia for short procedures. A double-blind comparison with fentanyl. Patrick M, et al. **Br J Anaesth** 1984 Aug;56(8):861–6

Influence of anaesthesia on coagulation and fibrinolytic proteins. Richard LC, et al. **Br J Anaesth** 1983 Sep;

55(9):869–72
Interactions of cholinesterase inhibitors and glucocorticoids with ketamine and pentobarbitone–induced general anaesthesia in the rat: possible effects on central cholinergic activity. Leeuwin RS, et al. **Br J Pharmacol** 1984 Jun; 82(2):339–47
Chloral hydrate anesthesia alters the responsiveness of central serotonergic neurons in the cat. Heym J, et al. **Brain Res** 1984 Jan 16;291(1):63–72
Differences in thermal responses of cat trigeminal ganglion 'cold' receptors under urethane and pentobarbital anesthetization. Hirata H, et al. **Brain Res** 1984 Feb 6; 292(2):387–9
Local changes in cerebral 2–deoxyglucose uptake during alphaxalone anaesthesia with special reference to the habenulo–interpeduncular system. McQueen JK, et al. **Brain Res** 1984 May 21;300(1):19–26
Placental transport of metoclopramide: assessment of maternal and neonatal effects. Bylsma–Howell M, et al. **Can Anaesth Soc J** 1983 Sep;30(5):487–92
Assessment of immediate post–anaesthetic recovery in young children following intravenous morphine infusions, halothane, and isoflurane. Chinyanga HM, et al. **Can Anaesth Soc J** 1984 Jan;31(1):28–35
Anaesthesia for caesarean section and cerebral aneurysm clipping. Conklin KA, et al. **Can Anaesth Soc J** 1984 Jul; 31(4):451–4
Comparative value of peripheral and central venous pCO2 in predicting normal paCO2 during anaesthesia. d'Hollander A, et al. **Can Anaesth Soc J** 1984 Jul; 31(4):439–43
General anaesthesia for day care surgery patients. Forbes RB. **Can Anaesth Soc J** 1983 Sep;30(5):545–7
The effect of nitrous oxide on the oxyhaemoglobin dissociation curve. Fournier L, et al. **Can Anaesth Soc J** 1984 Mar;31(2):173–7
New narcotic agonists and antagonists in anaesthesia. Hug CC Jr. **Can Anaesth Soc J** 1984 May;31(3 Pt 2):S5–8
Repeat ketamine anaesthesia of a child for radiotherapy in the prone position. Maltby JR, et al. **Can Anaesth Soc J** 1983 Sep;30(5):526–30
The assessment of cerebral function. Michenfelder JD. **Can Anaesth Soc J** 1984 May;31(3 Pt 2):S13–5
Plasma cortisol levels in paediatric anaesthesia. Obara H, et al. **Can Anaesth Soc J** 1984 Jan;31(1):24–7
Anaesthesia for patients with chronic renal disease. Weir PH, et al. **Can Anaesth Soc J** 1984 Jul;31(4):468–81 (59 ref.)
Effects of nitrous oxide anesthesia on intraocular air volume. Boucher MC, et al. **Can J Ophthalmol** 1983 Aug; 18(5):246–7
General anesthesia for whole–body hyperthermia. Cronau LH Jr, et al. **Cancer Res** 1984 Oct;44(10 Suppl):4873s–4877s
Potential inaccuracies in mass spectrometers with spectrum overlap erasure units used during anaesthesia. Beatty PC. **Clin Phys Physiol Meas** 1984 May;5(2):93–104
What's new in anesthesia? Current practice in patients with atherosclerotic coronary artery disease. Macnamara TE. **Clin Ther** 1984;6(2):106–10
Anaesthetic and forebrain modulation of raphe–coerulean interactions. McRae–Degueurce A, et al. **Exp Brain Res** 1984;54(2):373–6
Effect of general anesthetics on human granulocyte chemiluminescence. Lippa S, et al. **Experientia** 1983 Dec 15;39(12):1386–8
Circulatory changes during and after surgical anesthesia in hypertensive patients treated with clonidine, methyldopa and reserpine. Ryhänen P, et al. **Int Surg** 1984 Jan–Mar; 69(1):29–33
Neonatal outcome in cesarean section under general anesthesia, related to gestational age, induction–delivery and uterus–delivery intervals. Vatashsky E, et al. **Isr J Med Sci** 1983 Dec;19(12):1059–63
Anesthetic considerations with amiodarone: report of a case. Meulendyk J. **J Am Osteopath Assoc** 1984 Apr;83(8):585–8
Serum amoxycillin levels following oral loading dose prior to outpatient general anaesthesia for dental extractions. Cannon PD, et al. **J Antimicrob Chemother** 1984 Mar; 13(3):285–9
Respiratory mechanics during halothane anesthesia and anesthesia–paralysis in humans. Behrakis PK, et al. **J Appl Physiol** 1983 Oct;55(4):1085–92
A simple postanaesthetic scoring system. Srivastava S, et al. **J Indian Med Assoc** 1983 Apr;80(7–8):90–3
Riley–Day syndrome. Management of anesthesia for patients with familial dysautonomia. Freeman TT, et al. **J Kans Med Soc** 1983 Sep;84(9):446–7, 458
Anesthetic management for supratentorial tumor surgery. Bedford RF. **J Neurooncol** 1983;1(4):319–26
Electroencephalographic monitoring during general anesthesia. Klein SL, et al. **J Oral Maxillofac Surg** 1984 Jun;42(6):376–81
Educating the public about general anesthesia [letter] Olivotto M. **J Oral Maxillofac Surg** 1984 Apr;42(4):211
Torsion and elevation under general anesthesia and during voluntary eyelid closure (Bell phenomenon). Guyton DL. **J Pediatr Ophthalmol Strabismus** 1984 Mar–Apr;21(2):78
Torsion and elevation under general anesthesia and during voluntary eyelid closure (Bell phenomenon). Paez JH, et al. **J Pediatr Ophthalmol Strabismus** 1984 Jan–Feb; 21(1):22–4
Spinal and general anesthesia [letter] Scalia SV. **JAMA** 1983 Oct 14;250(14):1842
Treatment of status asthmaticus with halothane. Schwartz SH. **JAMA** 1984 May 25;251(20):2688–9
Changes in cardiac output and peripheral flows on pentobarbital anesthesia in the rat. Kawaue Y, et al. **Jpn J Physiol** 1984;34(2):283–94
Lower oesophageal contractility: a new monitor of anaesthesia. Evans JM, et al. **Lancet** 1984 May 26; 1(8387):1151–4
Anaesthetic morbidity following caesarean section under epidural or general anaesthesia. Morgan BM, et al. **Lancet** 1984 Feb 11;1(8372):328–30
Anesthesiologic considerations in laser neurosurgery. Cerullo LJ, et al. **Lasers Surg Med** 1983;3(1):35–8
Lumbar spinal manipulation [letter] **Med J Aust** 1984 Mar 3;140(5):308
Do general anaesthetics act by competitive binding to specific receptors? Franks NP, et al. **Nature** 1984 Aug 16–22; 310(5978):599–601
EEG monitoring in anesthesiology and intensive care. Pichlmayr I, et al. **Neuropsychobiology** 1983;10(4):239–48
Electroencephalographic effects of fentanyl–, sufentanil– and alfentanil anaesthesia in man. Wauquier A, et al. **Neuropsychobiology** 1984;11(3):203–6
Brain noradrenaline and anaesthesia: behavioural and electrophysiological evidence. Mason ST, et al. **Neuroscience** 1983 Sep;10(1):177–85
Factors influencing the cholinesterases of cerebrospinal fluid in the anaesthetized cat. Vogt M, et al. **Neuroscience** 1984 Jul;12(3):979–95
Time–dependent changes in cerebral and cardiovascular parameters in isoflurane–nitrous oxide–anesthetized dogs. Turner DM, et al. **Neurosurgery** 1984 Feb;14(2):135–41
Circulatory effects of VIP in anesthetized man. Thulin L, et al. **Peptides (Fayetteville)** 1984 Mar–Apr;5(2):319–23
The pharmacokinetic interaction of diethyl ether with aminopyrine in the rat. Hanew T, et al. **Proc Soc Exp Biol Med** 1984 Jan;175(1):64–9
Anesthesia for isolated liver perfusion in man. Biscoping J, et al. **Recent Results Cancer Res** 1983;86:110–5
A comparative study with various anesthetics in mice (pentobarbitone, ketamine–xylazine, carfentanyl–etomidate). Erhardt W, et al. **Res Exp Med (Berl)** 1984;184(3):159–69
Effects of body temperature, passive limb motion and level of anesthesia on the activity of the inspiratory muscles. D'Angelo E. **Respir Physiol** 1984 Apr;56(1):105–29
Anaesthesia and hyperparathyroidism. A case report. Roelofse JA, et al. **S Afr Med J** 1983 Oct 8;64(16):634–5
Effect of pentobarbital anesthesia and bile acids on cysteamine–induced duodenal and gastric ulcers in rats. Schwedes U, et al. **Scand J Gastroenterol [Suppl]** 1984; 92:121–4
Epinephrine enables Pavlovian fear conditioning under anesthesia. Weinberger NM, et al. **Science** 1984 Feb 10; 223(4636):605–7
[Ischaemic heart disease as a risk factor for general anaesthesia and surgery] Coetzee A, et al. **S Afr Med J** 1984 Apr 28;65(17):690–2 (27 ref.) (Eng. Abstr.) **(Afr)**
[Epidural analgesia in cesarean section. Comparison with general anesthesia] Smilov I, et al. **Akush Ginekol (Sofiia)** 1984;23(3):233–40 (Eng. Abstr.) **(Bul)**
[Anguish and general anesthesia in pedodontics] Saint–Maurice C, et al. **Actual Odontostomatol (Paris)** 1983 Dec;144:733–41 **(Fre)**
[Pheochromocytomas: diagnosis, anesthesia and treatment. Apropos of 17 recent cases] Alexandre JH, et al. **Ann Chir** 1983 May;37(4):263–71 (Eng. Abstr.) **(Fre)**
[Mobilization of the knee under anesthesia in traumatology] Delaunay C, et al. **Ann Chir** 1983 May;37(4):296–302 (Eng. Abstr.) **(Fre)**
[Hemodynamic effects of 2 different doses of midazolam in combination with fentanyl for induction of anesthesia in surgery of the abdominal aorta] Pomane C, et al. **Ann Fr Anesth Reanim** 1984;3(3):168–70 (Eng. Abstr.) **(Fre)**
[Variations of endotympanic pressure during anesthesia] Gersdorff M, et al. **Ann Otolaryngol Chir Cervicofac** 1984; 101(3):227–9 (Eng. Abstr.) **(Fre)**
[Anesthesia in drepanocytic patients. Study apropos of 55 cases] Charrière JM, et al. **Dakar Med** 1983;28(2):377–85 (Eng. Abstr.) **(Fre)**
[Experimental study of changes in the pressure of the posterior segment of the eye under general anesthesia. Consequences for surgery of the anterior segment] Glomaud D, et al. **J Fr Ophtalmol** 1983;6(5):507–13 (Eng. Abstr.) **(Fre)**
[Obstetric anesthesia at the Clinic of Montchoisi, Lausanne: 1972–1982] Waldvogel HH. **Rev Med Suisse Romande** 1983 Oct;103(10):841–9 **(Fre)**
[Clinical studies on the effect of various drugs on cardiocirculatory behavior during the induction phase of intubation anesthesia] Fösel T, et al. **Anaesthesist** 1983 Dec; 32(12):567–75 (Eng. Abstr.) **(Ger)**
[Possibilities and limitations of ventilation monitoring during anesthesia of the newborn and infants] Fösel T, et al. **Anaesthesist** 1984 Jan;33(1):31–8 (Eng. Abstr.) **(Ger)**
[General or regional anesthesia? (letter)] Janda A, et al. **Anaesthesist** 1984 Jun;33(6):301–2 **(Ger)**
[Does a stomach tube enhance regurgitation during general anaesthesia?] Tryba M, et al. **Anaesthesist** 1983 Aug; 32(8):407–9 (Eng. Abstr.) **(Ger)**
[Stress reduction by i.m. premedication with 6 different single substances] Tolksdorf W, et al. **Anasth Intensivther Notfallmed** 1984 Feb;19(1):1–7 (Eng. Abstr.) **(Ger)**
[Shoulder stiffness and mobilization under anesthesia] Refior HJ, et al. **Hefte Unfallheilkd** 1984;170:145–9 **(Ger)**
[Anesthesiologic and operative procedures for extensive urologic surgery] Büttner W, et al. **Intensivmed Prax** 1983 Oct;6:67–72 **(Ger)**
[Premedication with buprenorphine hydrochloride. A clinical study] Fritz KW, et al. **Intensivmed Prax** 1983 Oct;6:47–51 **(Ger)**
[Anesthesia in kidney explantation] Salomon F, et al. **Intensivmed Prax** 1983 Oct;6:61–5 **(Ger)**
[Surgery of the thyroid gland in the endemic region from the viewpoint of the anesthesiologist] Sawires R, et al. **Intensivmed Prax** 1983 Oct;6:53–60 **(Ger)**
[Indications, method and results of anesthesia in cardiovascular roentgen diagnosis] Schiffmann R. **Radiol Diagn (Berl)** 1984;25(2):171–9 (Eng. Abstr.) **(Ger)**
[Comparative studies on general anesthesia versus peridural anesthesia in primary cesarean section] Traub E, et al. **Reg Anaesth** 1984 Jan;7(1):15–24 (Eng. Abstr.) **(Ger)**
[Somatosensory evoked potential in general anesthesia] Reisecker F, et al. **Wien Klin Wochenschr** 1984 Jan 20; 96(2):64–7 (Eng. Abstr.) **(Ger)**
[Central anticholinergic syndrome—the possible cause of extended postanesthetic depression] Rockahr GJ. **Z Arztl Fortbild (Jena)** 1983;77(15):643–5 **(Ger)**
[General anesthesia or peridural anesthesia in primary cesarean section; a comparative study] Kraus H, et al. **Z Geburtshife Perinatol** 1983 Jul–Aug;187(4):194–9 (Eng. Abstr.) **(Ger)**
[Anesthesiological problems in the surgery of tumors of the 4th ventricle] Woschick E. **Zentralbl Neurochir** 1983; 44(3):261–5 (Eng. Abstr.) **(Ger)**
[Exclusive use of pancuronium bromide as the only muscle relaxant in general anesthesia with intratracheal intubation] Amato G, et al. **Minerva Anestesiol** 1983 Sep;49(9):505–8 (Eng. Abstr.) **(Ita)**
[Blood concentration of ketamine during the waking phase anesthesia] Audibert GB, et al. **Minerva Anestesiol** 1984 Mar;50(3):55–7 (Eng. Abstr.) **(Ita)**
[The use of mepixantone in general anesthesia] Bertoldi G, et al. **Minerva Anestesiol** 1983 Jun;49(6):385–8 (Eng. Abstr.) **(Ita)**
[Discontinuous general anesthesia in Sweet's retrogasserian differential thermal rhizotomy. A technic based on the use of propanidid] Cavagnaro GR, et al. **Minerva Anestesiol** 1983 Oct;49(10):563–6 (Eng. Abstr.) **(Ita)**
[Tilidine in general anesthesia. Clinical contribution] Gullo A, et al. **Minerva Anestesiol** 1983 Oct;49(10):577–82 (Eng. Abstr.) **(Ita)**
[Anesthesia and resuscitation problems in cephaloduodenopancreatectomy. Observations on 30 cases] Libutti M, et al. **Minerva Anestesiol** 1983 Sep;49(9):515–20 (Eng. Abstr.) **(Ita)**
[Propanidid intolerance: forestalling the risk. Experimental clinical study] Piazza L, et al. **Minerva Anestesiol** 1983 Jul–Aug;49(7–8):419–23 (Eng. Abstr.) **(Ita)**
[Trazodone–pentazocine combination in general anesthesia] Prada A, et al. **Minerva Anestesiol** 1983 Jul–Aug; 49(7–8):459–62 (Eng. Abstr.) **(Ita)**
[Althesin and fentanest in pediatric anesthesia. An alternative to inhalation narcosis] Robotti A, et al. **Minerva Anestesiol** 1983 Sep;49(9):521–5 (Eng. Abstr.) **(Ita)**
[Behavior of heart rate and arterial pressure in anesthesia with althesin and ketamine] Roccatagliata DC, et al. **Minerva Anestesiol** 1983 Oct;49(10):571–5 (Eng. Abstr.) **(Ita)**
[Criteria for choosing between local anesthesia and general anesthesia for vaginal hysterectomy] Palieri L, et al. **Minerva Ginecol** 1983 Nov;35(11):721–3 (Eng. Abstr.) **(Ita)**
[Correlation between extrasystole and stroke volume during general anesthesia] Nishikawa T, et al. **Kokyu To Junkan** 1983 Oct;31(10):1137–40 (Eng. Abstr.) **(Jpn)**
[General anesthesia for cesarean section in a patient with Eisenmenger syndrome] Furuya H, et al. **Masui** 1983 Oct; 32(10):1269–73 (Eng. Abstr.) **(Jpn)**
[Metabolic and endocrine response to abdominal surgery during phentolamine infusion in man] Ishihara H, et al. **Masui** 1983 May;32(5):533–40 (Eng. Abstr.) **(Jpn)**
[High plasma cholinesterase and succinylcholine resistance] Itoh T, et al. **Masui** 1983 May;32(5):599–604 (Eng. Abstr.) **(Jpn)**
[A case report of anesthesia for hydatid disease complicated with anaphylactic shock] Matsui M, et al. **Masui** 1984 Feb; 33(2):194–7 (Eng. Abstr.) **(Jpn)**
[Anesthesia for primary aldosteronism evaluation of plasma aldosterone responses] Noguchi T, et al. **Masui** 1983 Dec; 32(12):1474–7 (Eng. Abstr.) **(Jpn)**
[Anesthetic management of dermatomyositis with malignancy] Ogino R, et al. **Masui** 1984 Feb;33(2):198–203 (Eng. Abstr.) **(Jpn)**
[Effect of intravenous bolus injection of lidocaine on respiration in man] Takata K, et al. **Masui** 1984 Apr; 33(4):370–3 (Eng. Abstr.) **(Jpn)**
[Influence of anesthesia on immune system—studies on the fluctuation of lymphocyte subpopulations] Tokutomi Y, et

al. **Masui** 1983 Dec;32(12):1523–8 (Eng. Abstr.) **(Jpn)**

[Cardiodynamic effects of nitroglycerin and blood–letting on pulmonary and systemic circulation under general anesthesia in dogs] Watanabe S. **Masui** 1983 Dec; 32(12):1478–87 (Eng. Abstr.) **(Jpn)**

[Hormonal effects of buprenorphine anesthesia in man] Yokono A, et al. **Masui** 1983 Jun;32(6):723–8 (Eng. Abstr.) **(Jpn)**

[An electromyographic study on the optomotor effect in esotropia under general anaesthesia] Mitsui Y, et al. **Nippon Ganka Gakkai Zasshi** 1984 Apr;88(4):657–61 (Eng. Abstr.) **(Jpn)**

[Renal function after anesthesia and abnormal surgery. A comparative study between halothane and epidural anesthesia] Yasuma F, et al. **Nippon Geka Gakkai Zasshi** 1983 Dec;84(12):1243–50 (Eng. Abstr.) **(Jpn)**

[Peroperative glucose tolerance. During general anesthesia or epidural anesthesia] Jyssum T, et al. **Tidsskr Nor Laegeforen** 1984 Jan 20;104(2):89–91 (Eng. Abstr.) **(Nor)**

[Air ventilation in general anesthesia] Pascu A, et al. **Rev Chir [Chir]** 1984 Mar–Apr;33(2):151–8 (Eng. Abstr.) **(Rum)**

[Controlled hypotension using intravenously administered nitroglycerin during combined general anesthesia and surgery] Buniatin AA, et al. **Anesteziol Reanimatol** 1984 Mar–Apr;(2):18–24 (Eng. Abstr.) **(Rus)**

[Computer evaluation of the state of the cardiovascular system during lung surgery] Flerov EV, et al. **Anesteziol Reanimatol** 1983 Jul–Aug;(4):16–20 (Eng. Abstr.) **(Rus)**

[Effect of ketamine and ketamine–sombrevin anesthesia on the contractile function of the myocardium in ambulatory dental patients] Goriaev IuA, et al. **Anesteziol Reanimatol** 1983 Nov–Dec;(6):41–4 (Eng. Abstr.) **(Rus)**

[Anesthesiological tactics in emergency replantation of the fingers, hand and arm] Koriukin VM, et al. **Anesteziol Reanimatol** 1983 Jul–Aug;(4):47–9 (Eng. Abstr.) **(Rus)**

[Anesthesia and the surfactant system of the lungs] Kozlov IA, et al. **Anesteziol Reanimatol** 1983 Sep–Oct;(5):71–7 (69 ref.) **(Rus)**

[Effect of premedication and general anesthesia on intragastric pH values in patients with duodenal ulcer] Martov IuB, et al. **Anesteziol Reanimatol** 1983 Jul–Aug; (4):49–50 (Eng. Abstr.) **(Rus)**

[Effect of alpha–adrenoblocking drugs on the course of anesthesia] Slivko SF, et al. **Anesteziol Reanimatol** 1983 Nov–Dec;(6):9–11 (Eng. Abstr.) **(Rus)**

[Effect of sodium thiopental and seduxen on the cerebrospinal fluid pressure of brain tumor patients during principal anesthesia with nitrous oxide] Stolkarts IZ. **Anesteziol Reanimatol** 1983 Nov–Dec;(6):3–5 (Eng. Abstr.) **(Rus)**

[Graded continuous administration of arduan during surgery with prolonged hypothermic perfusion] Sud'in VI, et al. **Anesteziol Reanimatol** 1983 Nov–Dec;(6):5–8 (Eng. Abstr.) **(Rus)**

[Anesthesia for surgery of congenital heart defects in children] Vanevskii VL, et al. **Anesteziol Reanimatol** 1984 May–Jun;(3):3–5 (Eng. Abstr.) **(Rus)**

[Use of baralgin in the treatment of the ischemic pain syndrome and as a component of general anesthesia in angiosurgery] Ivaniushko VL. **Klin Khir** 1983 Jul;(7):72 **(Rus)**

[Anesthesiologic and infusion–transfusion tactics in pediatric orthopedic surgery] Korolenko OA. **Ortop Travmatol Protez** 1983 Oct;(10):57–8 **(Rus)**

[Single–stage surgical treatment under general anesthesia of diffuse periodontitis] Skarlandt P. **Stomatologiia (Mosk)** 1984 Mar–Apr;63(2):26–8 (Eng. Abstr.) **(Rus)**

[Induction anesthesia in patients with chronic ischemic heart disease] Darbinian TM, et al. **Vestn Akad Med Nauk SSSR** 1983;(10):30–7 (Eng. Abstr.) **(Rus)**

[Comparative characteristics of changes in the levels of blood catecholamines and indices of central hemodynamics with various kinds of premedication and induction anesthesia in children] Mikhel'son VA, et al. **Vestn Akad Med Nauk SSSR** 1983;(10):55–9 (Eng. Abstr.) **(Rus)**

[Use of sodium hydroxybutyrate in surgery on patients with diffuse purulent peritonitis] Beliakov VA, et al. **Vestn Khir** 1983 Aug;131(8):79–82 (Eng. Abstr.) **(Rus)**

[Intravenous monoanesthesia and antianesthetics in emergency surgery] D'iachenko PK, et al. **Vestn Khir** 1984 Apr;132(4):113–8 (Eng. Abstr.) **(Rus)**

[Combined general and peridural anesthesia with local anesthetics and morphine] Novozhilov VA. **Vestn Khir** 1984 May;132(5):113–4 **(Rus)**

[General anesthesia in the stomatologic treatment of children in a single visit] Spasić Z, et al. **Med Pregl** 1982; 35(11–12):483–5 (Eng. Abstr.) **(Scr)**

[Polycythemia vera and anesthesia (letter)] Gilsanz FJ, et al. **Rev Esp Anestesiol Reanim** 1983 Nov–Dec;30(6):256 **(Spa)**

ADVERSE EFFECTS

Rectal and oral cimetidine for prophylaxis of aspiration pneumonitis in paediatric anaesthesia. Tryba M, et al. **Acta Anaesthesiol Scand** 1983 Aug;27(4):328–30

Cardiac dysrhythmia associated with general anaesthesia for oral surgery. Its prevention by the prophylactic use of an oral beta–adrenergic blocker. Hanna MH, et al. **Anaesthesia** 1983 Dec;38(12):1192–4

Prolonged anesthesia—management and sequelae of a two–day general anesthetic. Caplan RA, et al. **Anesth Analg** 1984 Mar;63(3):353–8

Anesthetic complications in surgery for congenital heart disease. Hickey PR, et al. **Anesth Analg** 1984 Jul; 63(7):657–64

Enema–induced hypocalcemia and hyperphosphatemia leading to cardiac arrest during induction of anesthesia in an outpatient surgery center. Reedy JC, et al. **Anesthesiology** 1983 Dec;59(6):578–9

Day case dental anesthesia [letter] **Br Dent J** 1983 Aug 20; 155(4):110–1

General anesthesia and sedation [letter] Walters H. **Br Dent J** 1983 Aug 20;155(4):111

Do patients with torsion of the testis have an increased risk of pulmonary aspiration during general anaesthesia? [letter] Schurizek B, et al. **Br J Anaesth** 1984 Mar;56(3):312–3

Malignant hyperthermia: a case report and general overview of an anesthesia emergency. Madani SA, et al. **Del Med J** 1983 Oct;55(10):567–70, 575–6

Anaphylactoid reaction caused by intravenous doxycycline during general anesthesia and beta–blockade treatment. Raeder JC. **Drug Intell Clin Pharm** 1984 Jun;18(6):481–2

Postoperative emesis in vitreoretinal surgical patients. Ehrenberg M, et al. **Graefes Arch Clin Exp Ophthalmol** 1983;221(2):68–9

The influence of general anesthesia and surgery on cell–mediated cytotoxicity and interferon production. Møller–Larsen F, et al. **J Clin Lab Immunol** 1983 Oct; 12(2):69–75

Anesthesia in carotid endarterectomy. O'Holleran L, et al. **J Kans Med Soc** 1984 Apr;85(4):108–9, 121

Neurohumorally induced cardiac dysrhythmias during nitrous oxide–oxygen–thiopental anesthesia. Tolas AG, et al. **J Oral Maxillofac Surg** 1983 Oct;41(10):649–52

Effects of surgery and epidural or general anaesthesia on testosterone, 17–hydroxyprogesterone and cortisol plasma levels in prepubertal boys. Boninsegni R, et al. **J Steroid Biochem** 1983 Dec;19(6):1783–7

Ulnar nerve injury after general anaesthesia and intravenous infusion. Brahams D. **Lancet** 1984 Jun 9;1(8389):1306

Malignant hyperthermia. Willner J. **Pediatr Ann** 1984 Feb; 13(2):128, 130, 132–4 (38 ref.)

Accidental severe hypercapnia during anaesthesia. Case reports and a review of some physiological effects. Shipton EA, et al. **S Afr Med J** 1983 Oct 29;64(19):755–6

Malignant hyperthermia. Marmor M. **Surv Ophthalmol** 1983 Sep–Oct;28(2):117–27 (45 ref.)

[Cardiac dysrhythmias during halothane and enflurane anesthesia for dental procedures: a comparison] Roelofse JA. **S Afr Med J** 1983 Sep 17;64(12):448–50 (Eng. Abstr.) **(Afr)**

[General anesthesia at various times of the day] Najbrt J, et al. **Rozhl Chir** 1984 Jan;63(1):6–10 (Eng. Abstr.) **(Cze)**

[Anesthesiology problems during surgery on the inferior vena cava for prevention of fatal pulmonary embolisms] Skácel J, et al. **Rozhl Chir** 1984 Jan;63(1):18–21 (Eng. Abstr.) **(Cze)**

[Pulmonary aspiration of gastric contents during anesthesia. Physiological and pharmacological data: applications to prevention and treatment] Lehot JJ, et al. **Ann Fr Anesth Reanim** 1984;3(1):26–40 (188 ref.) **(Fre)**

[Respiratory obstruction during anesthesia in cases of mediastinal malignant lymphoma] Monleau M, et al. **Ann Fr Anesth Reanim** 1983;2(4):308–11 (Eng. Abstr.) **(Fre)**

[Severe anaphylactoid accidents occurring during general anesthesia] Occelli G, et al. **Ann Fr Anesth Reanim** 1983; 2(4):300–3 (Eng. Abstr.) **(Fre)**

[Anaphylactic shock in general anesthesia: apropos of 41 acute accidents caused by myorelaxants] Charpin J, et al. **Bull Acad Natl Med (Paris)** 1983 Apr;167(4):285–90 (Eng. Abstr.) **(Fre)**

[Anaphylactoid accidents during general anesthesia. Apropos of 55 cases] Leynadier F, et al. **Sem Hop Paris** 1984 Apr 5;60(15):1029–33 (Eng. Abstr.) **(Fre)**

[2 cases of intra–anesthetic malignant hyperthermia with fatal outcome. Is prevention possible?] Castot A, et al. **Therapie** 1984 May–Jun;39(3):311–7 (Eng. Abstr.) **(Fre)**

[Anaphylactic–type reactions to althesin. Preliminary study on the role of complement] Descotes J, et al. **Therapie** 1983 Sep–Oct;38(5):535–8 (Eng. Abstr.) **(Fre)**

[Risk factors for histamine liberation in general anesthesia. Means of prevention] Laxenaire MC, et al. **Therapie** 1983 Sep–Oct;38(5):529–34 (Eng. Abstr.) **(Fre)**

[Avoiding hypoxemia during anesthesia] Mihic DN, et al. **Anaesthesist** 1983 Nov;32(11):554–9 (Eng. Abstr.) **(Ger)**

[Respiratory depression caused by postoperative fentanyl rebound] Fritz KW, et al. **Intensivmed Prax** 1983 Oct; 6:43–5 **(Ger)**

[Acute rhabdomyolysis following administration of succinylcholine] Blumberg A, et al. **Schweiz Med Wochenschr** 1984 Jul 28;114(30):1068–71 (Eng. Abstr.) **(Ger)**

[Problems of anesthesia in neurosurgical operations in seated position. Prevention of air embolism. Importance of PEEP and capnography] Di Giugno G, et al. **Minerva Anestesiol** 1983 Nov;49(11):631–9 (Eng. Abstr.) **(Ita)**

[General anesthesia and the immunocompetent system] Santamaria LB, et al. **Minerva Anestesiol** 1983 Dec; 49(12):701–11 (Eng. Abstr.) **(Ita)**

[Anesthesiologic problems in the surgical treatment of obstetric paralysis of the brachial plexus in the newborn infant] Seveso M, et al. **Minerva Anestesiol** 1983 Dec; 49(12):725–32 (Eng. Abstr.) **(Ita)**

[Anaphylactoid reaction following alcuronium administration: a case report] Nakamura K, et al. **Masui** 1983 Nov;32(11):1386–90 (Eng. Abstr.) **(Jpn)**

[Malignant hyperthermia syndrome during repeated surgery] Cherfas MD, et al. **Anesteziol Reanimatol** 1983 Nov–Dec; (6):56–8 **(Rus)**

[General anesthesia and a succinyldicholine–sensitive phenotype in children with various orthopedic diseases] Korolenko OA, et al. **Anesteziol Reanimatol** 1983 Jul–Aug; (4):13–6 (Eng. Abstr.) **(Rus)**

[Diacarb in the prevention of the aspiration syndrome in the intra– and postoperative period] Storozhuk PG, et al. **Anesteziol Reanimatol** 1983 Nov–Dec;(6):44–7 (Eng. Abstr.) **(Rus)**

[Status of the hemostatic system in pulmonary tuberculosis patients during combined electroanesthesia] Kolesov SM, et al. **Probl Tuberk** 1984 Feb;(2):44–7 (Eng. Abstr.) **(Rus)**

HISTORY

[Ether anesthesia in the first year of its use in Russia] Shabunin AV. **Sov Zdravookhr** 1983;(8):62–4 **(Rus)**

INSTRUMENTATION

Accidents associated with equipment. Heath ML. **Anaesthesia** 1984 Jan;39(1):57–60

The ADE anaesthetic breathing system [letter] Humphrey D. **Anaesthesia** 1984 Jul;39(7):715–7

Inadvertent inspiration of carbon dioxide [letter] Hornbein TF, et al. **Anesthesiology** 1984 Jul;61(1):114–5

Some practical considerations in the use of the Engstrom EMMA analyzer [letter] Palayiwa E, et al. **Anesthesiology** 1984 Jul;61(1):112–3

Misdiagnosis due to ECG failure [letter] Shapiro LA, et al. **Anesthesiology** 1984 Feb;60(2):166

Anesthesia delivery systems [editorial] Callins JM. **Med Instrum** 1983 Nov–Dec;17(6):377–8

[Respirator for anesthesia: Protorythme] Cazalaa JB. **Agressologie** 1984 Apr;25(4):455–8 **(Fre)**

[Adaptability of the respirator to anesthesia] Cazalaa LB, et al. **Agressologie** 1984 Apr;25(4):407–14 (Eng. Abstr.) **(Fre)**

[The SA1 RCD respirator for anesthesia] Cocard V, et al. **Agressologie** 1984 Apr;25(4):471–5 **(Fre)**

METHODS

Variable rate infusion of alfentanil as a supplement to nitrous oxide anesthesia for general surgery. Ausems ME, et al. **Anesth Analg** 1983 Nov;62(11):982–6

Fentanyl preloading for rapid–sequence induction of anesthesia. Cork RC, et al. **Anesth Analg** 1984 Jan; 63(1):60–4

EEGs during high–dose fentanyl–, sufentanil–, or morphine–oxygen anesthesia. Smith NT, et al. **Anesth Analg** 1984 Apr;63(4):386–93

Neonatal pattern of breathing following cesarean section: epidural versus general anesthesia. Fisher JT, et al. **Anesthesiology** 1983 Nov;59(5):385–9

Combined cesarean section and clipping of intracerebral aneurysm. Lennon RL, et al. **Anesthesiology** 1984 Mar; 60(3):240–2

Anesthesia for high–dose total body irradiation in children. Lo JN, et al. **Anesthesiology** 1984 Jul;61(1):101–3

Anesthesia for neodymium–YAG (Nd–YAG) laser resection of major airway obstructing tumors. Warner ME, et al. **Anesthesiology** 1984 Mar;60(3):230–2

Anesthesia for laryngoscopy. Benjamin B. **Ann Otol Rhinol Laryngol** 1984 Jul–Aug;93(4 Pt 1):338–42

Day case dental anaesthesia. Evaluation of three methods of anaesthesia. Ogg TW, et al. **Br Dent J** 1983 Jul 9; 155(1):14–7

Anesthesia for posterior fossa surgery in the sitting position. Tausk HC, et al. **Bull NY Acad Med** 1983 Nov;59(9):771–83

Anesthesia for patients with mitral valve disease secondary to rheumatic and coronary artery disease. Yared JP, et al. **Cleve Clin Q** 1984 Spring;51(1):59–64

Nitrous oxide–oxygen sedation in dental care. Hallonsten AL, et al. **Community Dent Oral Epidemiol** 1983 Dec; 11(6):347–55

Guidelines for outpatient general anesthesia to provide comprehensive dental treatment. Ferretti GA. **Dent Clin North Am** 1984 Jan;28(1):107–20

Anaesthesia and pacemaker. Ganapathy S, et al. **Fast Afr Med J** 1983 Oct;60(10):710–2

Pedodontic sedation [letter] Minichetti JC. **J Am Dent Assoc** 1983 Nov;107(5):708

Adrenal hormones and liver cAMP in exercising rats—different modes of anesthesia. Winder WW, et al. **J Appl Physiol** 1983 Nov;55(5):1634–6

Redefinition of pain control techniques [letter] Himmelfarb R. **J Oral Maxillofac Surg** 1984 Apr;42(4):211

Mediastinal masses [letter] Mayhew JF, et al. **J Pediatr** 1983 Dec;103(6):1005

General dentistry with general anesthesia: the private dental office as an ambulatory care facility. Green KP. **NY J Dent** 1983 Nov;53(7):327–8

General anesthesia in cesarean section: effect on mother and neonate. Zagorzycki MT. **Obstet Gynecol Surv** 1984 Mar; 39(3):134–7 (26 ref.)

Newer concepts of analgesia and anesthesia. LaBella FS, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1983; 7(4–6):647–50

Repeated anaesthesia over short intervals in patients with multiple trauma and sepsis [letter] Shipton EA. **S Afr Med J** 1984 Feb 18;65(7):233

Effect of ethrane supplementation on intrapulmonary shunting in dogs anesthetized with nitrous oxide and morphine. Graf DF, et al. **W Va Med J** 1983 Aug; 79(8):159–60

[Combined anesthesia with sodium oxybutyrate in surgical urology] Ivanova Ts. **Khirurgiia (Sofiia)** 1984;37(3):182–6 (Eng. Abstr.) **(Bul)**

[Problems in anesthesia during cardiac surgery in children less than 1 year of age] Cvachovec K, et al. **Rozhl Chir** 1984 Jan;63(1):29–35 (Eng. Abstr.) **(Cze)**

[Tiapride in anesthesiology. Study of the tiapride–ketamine combination in general and specialized surgery] Daussy D, et al. **Ann Chir** 1983 Dec;37(9):696–9 (Eng. Abstr.) **(Fre)**

[Hemodynamic effects of flunitrazepam in cardiac patients during anesthetic induction] Blanloeil Y, et al. **Ann Fr Anesth Reanim** 1983;2(2):69–74 (Eng. Abstr.) **(Fre)**

[Determination of the dose–effect curve of vecuronium in anesthetized man] Lienhart A, et al. **Ann Fr Anesth Reanim** 1983;2(1):3–6 (Eng. Abstr.) **(Fre)**

[Electroencephalographic study of pediatric anesthesia with intramuscular methohexital] Meignier M, et al. **Ann Fr Anesth Reanim** 1983;2(2):65–8 (Eng. Abstr.) **(Fre)**

[Management of anesthesia for surgery of the abdominal aorta] Bonnet F, et al. **J Chir (Paris)** 1984 May;121(5):365–9 (Eng. Abstr.) **(Fre)**

[Diazanalgesia – a general anesthetic technic with spontaneous ventilation. Its value in laryngotracheal laser surgery. Observations apropos of 200 cases] Perrin C, et al. **J Fr Otorhinolaryngol** 1983 Nov;32(9):584–8 **(Fre)**

[Anesthetic aspects of the primary treatment of labio–maxillo–palatal clefts] Populaire C, et al. **Rev Stomatol Chir Maxillofac** 1984;85(3):161–6 (Eng. Abstr.) **(Fre)**

[Anesthesia in the cerebral revascularization operation] Lepage C. **Union Med Can** 1984 Apr;113(4):298–300 (Eng. Abstr.) **(Fre)**

[Problems of anesthesia for cesarean section in myasthenia gravis] Riegler R, et al. **Anaesthesist** 1983 Aug;32(8):403–6 (Eng. Abstr.) **(Ger)**

[Surgery of the cervical spine by transoral approach: anesthesiologic management] Rodola' F, et al. **Arch Putti Chir Organi Mov** 1983;33:85–91 (Eng. Abstr.) **(Ita)**

[General anesthesia in thermocoagulation interventions on the cranial nerves (letter)] Ori C, et al. **Minerva Anestesiol** 1984 Jan–Feb;50(1–2):33–4 **(Ita)**

[Problems in anesthesia and resuscitation in the surgical treatment of brain neoplasms] Mapelli A, et al. **Minerva Med** 1984 May 19;75(21):1313–8 (Eng. Abstr.) **(Ita)**

[Anesthesia for a patient with congenital arthrogryposis] Yodono M, et al. **Masui** 1983 Jul;32(7):871–5 (Eng. Abstr.) **(Jpn)**

[General anesthesia in infants] Czekuć E, et al. **Probl Med Wieku Rozwoj** 1979;9:235–45 (Eng. Abstr.) **(Pol)**

[General anesthesia with ketalar in eye surgery] Nikolenko VN. **Anesteziol Reanimatol** 1984 Mar–Apr;(2):64–6 (Eng. Abstr.) **(Rus)**

[Characteristics of anesthesia in pediatric thoracic surgery] Mikhel'son VA. **Grudn Khir** 1983 Sep–Oct;(5):17–20 (Eng. Abstr.) **(Rus)**

[Improvement of general anesthesia and intensive care in the surgical treatment of diffuse suppurative peritonitis] Shifrin GA, et al. **Klin Khir** 1983 Nov;(11):34–7 (Eng. Abstr.) **(Rus)**

[Disputable problems of anesthesiological and resuscitation tactics in multiple and combined injuries] Obolentsev NI, et al. **Ortop Travmatol Protez** 1984 May;(5):65–7 **(Rus)**

[Anesthesia for laser microsurgery of the larynx] Dragosavac D, et al. **Vojnosanit Pregl** 1984 Mar–Apr;41(2):107–9 (Eng. Abstr.) **(Scr)**

[Comparative study among different general anesthesia technics for intra–ocular surgery] Felipe Martín C, et al. **Rev Esp Anestesiol Reanim** 1983 Sep–Oct;30(5):208–10 (Eng. Abstr.) **(Spa)**

MORTALITY

Anaesthetic deaths. Payne JP. **Br J Hosp Med** 1983 Dec; 30(6):411–4

Deaths associated with anaesthesia and surgery at the Kenyatta National Hospital, Nairobi, 1972–1979. Kahuho SK, et al. **East Afr Med J** 1983 Mar;60(3):134–9

PSYCHOLOGY

[Prediction of postoperative deterioration in memory function of aged patients] Tashiro C, et al. **Masui** 1984 May;33(5):540–4 (Eng. Abstr.) **(Jpn)**

TRENDS

A thirty–year perspective of anesthesia. Bobrow A. **Conn Med** 1984 May;48(5):312–4

VETERINARY

Comparison of five preanesthetic medicaments in pentobarbital–anesthetized dogs: antagonism by 4–aminopyridine, yohimbine, and naloxone. Hatch RC, et al. **Am J Vet Res** 1983 Dec;44(12):2312–9

Neuromuscular and cardiovascular effects of pancuronium bromide in calves anesthetized with halothane. Hildebrand SV, et al. **Am J Vet Res** 1984 Aug;45(8):1549–52

Postural influence on systemic blood pressure, gas exchange, and acid/base status in the term–pregnant bitch during general anesthesia. Probst CW, et al. **Am J Vet Res** 1983 Oct;44(10):1963–5

Observations on the use of glyceryl guaiacolate as an adjunct to general anaesthesia in horses. Kalhoro AB, et al. **Aust Vet J** 1984 Feb;61(2):49–53

Anaesthetic management of major facial trauma in dogs. Short CE, et al. **Br Vet J** 1984 Mar–Apr;140(2):169–80

A field trial of ketamine anaesthesia in the horse. Fisher RJ. **Equine Vet J** 1984 May;16(3):176–9

Muscle perfusion in the horse. Weaver BM, et al. **Equine Vet J** 1984 Jan;16(1):66–8

Ketamine hydrochloride and xylazine hydrochloride anaesthesia in the golden hamster (Mesocricetus auratus). Curl JL, et al. **Lab Anim** 1983 Oct;17(4):290–3

Midazolam and fentanyl–fluanisone: assessment of anaesthetic effects in laboratory rodents and rabbits. Flecknell PA, et al. **Lab Anim** 1984 Apr;18(2):143–6

An evaluation of tribromoethanol (TBE) as an anaesthetic agent in the Mongolian gerbil (Meriones unguiculatus). Norris ML, et al. **Lab Anim** 1983 Oct;17(4):324–9

Anesthesia for cesarean section in the dog and cat. Benson GJ, et al. **Mod Vet Pract** 1984 Jan;65(1):29–32

Physiological and biochemical effects of glyceryl guaiacolate–thiopentone sodium anaesthesia in buffalo calves. Agrawal KB, et al. **Res Vet Sci** 1983 Jul;35(1):53–7

Spinal cord malacia following general anaesthesia in the horse. Blakemore WF, et al. **Vet Rec** 1984 Jun 9; 114(23):569–70

[Respiratory complications during anesthesia in the horse] Schatzmann U. **Berl Munch Tierarztl Wochenschr** 1983 Sep 1;96(9):311–2 (Eng. Abstr.) **(Ger)**

[Buprenorphine–nitrous oxide–oxygen anesthesia in swine as an animal model] Pfenninger E, et al. **Z Versuchstierkd** 1984;26(2):67–76 (Eng. Abstr.) **(Ger)**

ANESTHESIA, INHALATION

A comparison of the activity of the sympathoadrenal and adrenocortical system under inhalation anesthesia techniques. Abdulla YW, et al. **Acta Anaesthesiol Belg** 1983 Dec;34(4):257–64

Failure of large tidal volumes to improve oxygen availability during anaesthesia. Askitopoulou H, et al. **Acta Anaesthesiol Scand** 1984 Jun;28(3):348–50

Plasma catecholamines during surgical stress: differences between neurolept and enflurane anaesthesia. Hamberger B, et al. **Acta Anaesthesiol Scand** 1983 Aug;27(4):307–10

Metabolic correlates in infants and children during anaesthesia and surgery. Lindahl SG, et al. **Acta Anaesthesiol Scand** 1984 Feb;28(1):52–6

Ventilation–perfusion relationships during halothane anaesthesia and mechanical ventilation. Effects of varying inspired oxygen concentration. Lundh R, et al. **Acta Anaesthesiol Scand** 1984 Apr;28(2):191–8

Midazolam as induction agent prior to inhalational anaesthesia: a comparison with thiopentone. Nilsson A, et al. **Acta Anaesthesiol Scand** 1984 Jun;28(3):249–51

Comparison of halothane and enflurane anaesthesia for tonsillectomy in adults. Saarnivaara L. **Acta Anaesthesiol Scand** 1984 Jun;28(3):319–24

Catecholamine and endocrine response in children during halothane and enflurane anaesthesia for adenoidectomy. Sigurdsson GH, et al. **Acta Anaesthesiol Scand** 1984 Feb; 28(1):47–51

Respiratory effect of THIP, a GABA–agonistic analgesic, during halothane anaesthesia. Valentin N, et al. **Acta Anaesthesiol Scand** 1983 Oct;27(5):366–8

Nitrous oxide sedation in dentistry [letter] Allen WA. **Anaesthesia** 1984 Aug;39(8):837–9

Isoflurane: the need for new volatile agents [editorial] Corall IM. **Anaesthesia** 1983 Nov;38(11):1035–6

Trichloroethylene: a plea [letter] Davidson JT. **Anaesthesia** 1984 May;39(5):501

Inhalation sedation with 25% nitrous oxide. Report of a field trial. Edmunds DH, et al. **Anaesthesia** 1984 Feb; 39(2):138–42

Positive and expiratory pressure and one lung anaesthesia [letter] Hammond JE, et al. **Anaesthesia** 1984 Feb; 39(2):193–4

Anaesthesia during the Falklands campaign [letter] Houghton IT. **Anaesthesia** 1984 Feb;39(2):198

Enflurane as an analgesic in labour. McGuinness C, et al. **Anaesthesia** 1984 Jan;39(1):24–6

Nitrous oxide and termination of pregnancy [letter] Mikhael M, et al. **Anaesthesia** 1983 Nov;38(11):1103–4

Pleural surgery in patients with cystic fibrosis. A review of anaesthetic management. Robinson DA, et al. **Anaesthesia** 1984 Jul;39(7):655–9

Nitrous oxide sedation in dentistry. A comparison between Rotameter settings, pharyngeal concentrations and blood levels of nitrous oxide. Sher AM, et al. **Anaesthesia** 1984 Mar;39(3):236–9

Pneumatosis cystoides intestinalis. Nitrous oxide anaesthesia and the rapid effect of oxygen therapy. Sutton DN, et al. **Anaesthesia** 1984 Aug;39(8):776–80

The minimum anesthetic concentration of isoflurane in children. Cameron CB, et al. **Anesth Analg** 1984 Apr; 63(4):418–20

Reliability and validity of psychomotor tests as measures of recovery from isoflurane or enflurane anesthesia in a day–care surgery unit. Denis R, et al. **Anesth Analg** 1984 Jul;63(7):653–6

Inhalational anesthesia for coronary revascularization [letter] Flashburg MH. **Anesth Analg** 1983 Nov;62(11):1047–8

Comparison of four opioid analgesics as supplements to nitrous oxide anesthesia. Ghoneim MM, et al. **Anesth Analg** 1984 Apr;63(4):405–12

The decrease of the minimum alveolar anesthetic concentration produced by sufentanil in rats. Hecker BR, et al. **Anesth Analg** 1983 Nov;62(11):987–90

Nifedipine in dogs anesthetized with halothane [letter] McElfresh DM. **Anesth Analg** 1984 Jun;63(6):622

Neurologic state and psychomotor function following anesthesia for ambulatory surgery. Azar I, et al. **Anesthesiology** 1984 Apr;60(4):347–9

The effect of halothane anesthesia on myocardial necrosis, hemodynamic performance, and regional myocardial blood flow in dogs following coronary artery occlusion. Davis RF, et al. **Anesthesiology** 1983 Nov;59(5):402–11

Safety and efficacy of atracurium in adolescents and children anesthetized with halothane. Goudsouzian NG, et al. **Anesthesiology** 1983 Nov;59(5):459–62

Inhalational anesthesia and histamine release during bronchospasm. Hermens JM, et al. **Anesthesiology** 1984 Jul; 61(1):69–72

Intraoperative EEG patterns: implications for EEG monitoring. Levy WJ. **Anesthesiology** 1984 May; 60(5):430–4

Comparison of changes in the hypoglossal and the phrenic nerve activity in response to increasing depth of anesthesia in cats. Nishino T, et al. **Anesthesiology** 1984 Jan; 60(1):19–24

Nitrous oxide markedly increases cerebral cortical metabolic rate and blood flow in the goat. Pelligrino DA, et al. **Anesthesiology** 1984 May;60(5):405–12

Clinical use of atracurium during N2O/O2, fentanyl, and N2O/O2, enflurane anesthesia regimens. Ramsey FM, et al. **Anesthesiology** 1984 Sep;61(3):328–31

Renovascular hypertension: effect of halothane and enflurane. Woodside JR Jr, et al. **Anesthesiology** 1984 May; 60(5):440–7

Nitrous oxide inhalation analgesia. **Ann Emerg Med** 1984 Oct; 13(10):975

A proton nuclear magnetic resonance study on the release of bound water by inhalation anesthetic in water–in–oil emulsion. Yoshida T, et al. **Biochim Biophys Acta** 1984 Apr 25;772(1):102–7

Plasma concentrations of alfentanil required to supplement nitrous oxide anaesthesia for lower abdominal surgery. Ausems ME, et al. **Br J Anaesth** 1983;55 Suppl 2:191S–197S

Measurement of the rates of nitrous oxide uptake and nitrogen excretion in man. Beatty PC, et al. **Br J Anaesth** 1984 Mar; 56(3):223–32

Alfentanil–oxygen anaesthesia: plasma concentrations and clinical effects during variable–rate continuous infusion for coronary artery surgery. de Lange S, et al. **Br J Anaesth** 1983;55 Suppl 2:183S–189S

Atropine increases inspiratory flow during enflurane anaesthesia after pethidine premedication. Drummond GB. **Br J Anaesth** 1984 Jun;56(6):565–72

Comparison of decreases in ventilation caused by enflurane and fentanyl during anaesthesia. Drummond GB. **Br J Anaesth** 1983 Sep;55(9):825–35

Deadspace and the single breath test for carbon dioxide during anaesthesia and artificial ventilation. Effects of tidal volume and frequency of respiration. Fletcher R, et al. **Br J Anaesth** 1984 Feb;56(2):109–19

Calibration atmosphere generator for operating theatre pollution studies. A system for the controlled production of trace concentrations of inhalation anaesthetics. Gray WM, et al. **Br J Anaesth** 1984 May;56(5):543–50

Myocardial blood flow and oxygen consumption during halothane–nitrous oxide anaesthesia for coronary revascularization. Hilfiker O, et al. **Br J Anaesth** 1983 Oct; 55(10):927–32

Comparison of ventilation and gas exchange in anaesthetized infants and children during spontaneous and artificial ventilation. Hulse MG, et al. **Br J Anaesth** 1984 Feb; 56(2):131–5

Ventilation and gas exchange during anaesthesia and surgery in spontaneously breathing infants and children. Lindahl SG, et al. **Br J Anaesth** 1984 Feb;56(2):121–9

Plasma concentrations of catecholamines following adrenaline infiltration during gynaecological surgery. Low

JM, et al. **Br J Anaesth** 1984 Aug;56(8):849–53

Effects of the argon laser on anaesthetic gases and endotracheal tubes. McLaren ID, et al. **Br J Anaesth** 1983 Oct;55(10):1001–4

Electrical and mechanical activity of the rat duodenum [letter] Merin RG. **Br J Anaesth** 1983 Oct;55(10):1041–2

Effects of carrier gas composition on the output of six anaesthetic vaporizers. Palayiwa E, et al. **Br J Anaesth** 1983 Oct;55(10):1025–38

Influence of premedication on the sympathetic and endocrine responses and cardiac arrhythmias during halothane anaesthesia in children undergoing adenoidectomy. Sigurdsson GH, et al. **Br J Anaesth** 1983 Oct;55(10):961–8

Effect of increased concentrations of carbon dioxide during halothane anaesthesia on liver blood flow and hepatic oxygen consumption. Thomson IA, et al. **Br J Anaesth** 1983 Dec;55(12):1231–7

Carbon dioxide elimination from each lung during endobronchial anaesthesia. Effects of posture and pulmonary arterial pressure. Werner O, et al. **Br J Anaesth** 1984 Sep;56(9):995–1001

Effects of nitrous oxide on the respiratory pattern of spontaneously breathing children during anaesthesia. Wren WS, et al. **Br J Anaesth** 1984 Aug;56(8):881–98

Isoflurane anaesthesia for a patient with long Q–T syndrome. Carlock FJ, et al. **Can Anaesth Soc J** 1984 Jan;31(1):83–5

Level of consciousness after cadaveric kidney transplant under halothane anaesthesia. Casthely PA, et al. **Can Anaesth Soc J** 1983 Nov;30(6):587–92

Chemical regulation of ventilation during isoflurane sedation and anaesthesia in humans. Knill RL, et al. **Can Anaesth Soc J** 1983 Nov;30(6):607–14

Effect of age on epinephrine–induced arrhythmias during halothane anaesthesia in pigs. Rao CC, et al. **Can Anaesth Soc J** 1984 Jan;31(1):20–3

The effect of halothane anaesthesia on the asphyxiated foetal lamb in utero. Yarnell R, et al. **Can Anaesth Soc J** 1983 Sep;30(5):474–9

Regional distribution of brain and myocardial perfusion in swine while awake and during 1.0 and 1.5 MAC isoflurane anaesthesia produced without or with 50% nitrous oxide. Manohar M, et al. **Cardiovasc Res** 1984 Jun;18(6):344–53

Humidification of the airways. Adequate for function and integrity? [editorial] Kahn RC. **Chest** 1983 Nov;84(5):510–1

Laparoscopy: the question of the proper gas [letter] Minoli G, et al. **Gastrointest Endosc** 1983 Nov;29(4):325

Anaesthesia and tympanometry. Drake–Lee AB, et al. **Int J Pediatr Otorhinolaryngol** 1983 Nov;6(2):171–8

The effects of halothane–and–oxygen anesthesia, and of halothane–nitrous oxide–and–oxygen anesthesia on tympanograms in the dog. Kitzman JV, et al. **J Aud Res** 1982 Apr;22(2):87–92

Anaesthesia and development of some experimental tumours. Frid IA, et al. **J Surg Oncol** 1984 Mar;25(3):192–7

Enflurane for controlled hypotension. Firn S. **Postgrad Med J** 1983 Sep;59(695):608–9

Hemodynamic effects of amrinone in dogs anesthetized with halothane: comparison with isoproterenol and dobutamine. Boncyk J, et al. **Res Commun Chem Pathol Pharmacol** 1984 Jun;44(3):347–54

Total intravenous anaesthesia using low–dose ketamine infusion for caesarean section. A comparison with a standard inhalation anaesthetic technique. Mankowitz E, et al. **S Afr Med J** 1984 Feb 18;65(7):246–50

[Effect of anesthesia during gynecologic operations on the acid–base status and blood gases] Smilov I, et al. **Akush Ginekol (Sofiia)** 1983;22(4):316–22 (Eng. Abstr.) **(Bul)**

[Post–anesthetic hepatitis. The role of halothane and antimitotic combinations] Gounot R, et al. **Ann Fr Anesth Reanim** 1984;3(3):212–5 (Eng. Abstr.) **(Fre)**

[POR 8 (ornipressin). Local vasoconstrictive effect and hemodynamic activity during surgery in ENT clinics] Hirlinger WK, et al. **Anaesthesist** 1984 Mar;33(3):149–53 (Eng. Abstr.) **(Ger)**

[A case of anaphylactoid reaction following administration of etomidate] Krumholz W, et al. **Anaesthesist** 1984 Mar; 33(3):161–2 (Eng. Abstr.) **(Ger)**

[Blood pressure control with an inhalation anesthetic in acute intraoperative hypertension. Hemodynamic profile of halothane, enflurane and isoflurane in coronary surgery patients] Markschies–Hornung A, et al. **Anaesthesist** 1984 Jun;33(6):284–90 (Eng. Abstr.) **(Ger)**

[Anesthesia in a patient with hereditary angioedema] Schär B. **Anaesthesist** 1984 Mar;33(3):140–1 (Eng. Abstr.) **(Ger)**

[Electrostimulation anesthesia in comparison with enflurane–nitrous–oxide inhalation anesthesia during gynecologic operations. 2. Hormonal reactions in the pre–, intra– and postoperative course] Bellmann O, et al. **Anasth Intensivther Notfallmed** 1984 Apr;19(2):53–6 (Eng. Abstr.) **(Ger)**

[Electrostimulation anesthesia in comparison with enflurane–nitrous–oxide anesthesia during gynecologic operations. 1. Clinical experiences] Fritsche K. **Anasth Intensivther Notfallmed** 1984 Apr;19(2):49–52 (Eng. Abstr.) **(Ger)**

[Synthesis of the current status of the knowledge on industrial anesthesiologic pathology. Prevention and anti–pollution devices] Giron GP, et al. **Minerva Anestesiol** 1983 Dec; 49(12):675–94 (245 ref.) (Eng. Abstr.) **(Ita)**

[Effects of inhalation anesthetics on carotid body chemoreceptor activity] Arima T. **Masui** 1984 May; 33(5):474–81 (Eng. Abstr.) **(Jpn)**

[Inorganic fluoride concentration and renal function under enflurane anesthesia] Aso S. **Masui** 1983 Oct;32(10):1212–9 (Eng. Abstr.) **(Jpn)**

[Anesthesia for neonates and young infants with ductus dependent cardiac malformations treated with prostaglandin E1] Fujii S, et al. **Masui** 1984 May; 33(5):545–9 (Eng. Abstr.) **(Jpn)**

[Effects of enflurane anesthesia in the normal and ischemic heart] Furuya Y, et al. **Masui** 1983 Dec;32(12):1441–6 (Eng. Abstr.) **(Jpn)**

[Hepatic circulation, metabolism and damage during halothane anesthesia] Matsumoto N. **Masui** 1983 Nov; 32(11):1364–76 (Eng. Abstr.) **(Jpn)**

[Anesthesia for acute inversion of the uterus] Matsuzaki Y, et al. **Masui** 1983 Jul;32(7):883–7 (Eng. Abstr.) **(Jpn)**

[New anesthetics and development of methods of anesthesia (Part 1)] Miyazaki M, et al. **Masui** 1984 Jan;33(1):66–75 (64 ref.) (Eng. Abstr.) **(Jpn)**

[Depression of PHA response of lymphocytes in patients anesthetized with halothane] Otsuka S. **Masui** 1984 Apr; 33(4):340–7 (Eng. Abstr.) **(Jpn)**

[Serum myoglobin value during enflurane anesthesia] Shinohara S, et al. **Masui** 1983 Sep;32(9):1070–4 (Eng. Abstr.) **(Jpn)**

[Effects of enflurane on intraventricular pressure in surgical patients] Tanioka F, et al. **Masui** 1984 May;33(5):482–4 (Eng. Abstr.) **(Jpn)**

[Influences of TRH and doxapram on the depressed human performance under sub–anesthetic enflurane inhalation] Tashiro C, et al. **Masui** 1983 May;32(5):509–14 (Eng. Abstr.) **(Jpn)**

[Uptake rate of enflurane during closed circuit anesthesia] Toyooka H, et al. **Masui** 1984 Apr;33(4):403–8 (Eng. Abstr.) **(Jpn)**

[Episodic secretion of ACTH during halothane anesthesia and surgery] Yao M, et al. **Masui** 1984 May;33(5):525–31 (Eng. Abstr.) **(Jpn)**

[Plasma bromide ion contents during halothane anesthesia and surgery] Yao M, et al. **Masui** 1983 Aug;32(8):976–80 (Eng. Abstr.) **(Jpn)**

[Anesthetic management for arteriovenous fistulas] Yasuda S, et al. **Masui** 1984 Feb;33(2):189–93 (Eng. Abstr.) **(Jpn)**

[31P–NMR analysis of high energy phosphorous compounds (ATP and phosphocreatine) in the living rat brain—effects of halothane anesthesia and a hypoxic condition] Yuasa T, et al. **No To Shinkei** 1983 Nov;35(11):1089–95 (Eng. Abstr.) **(Jpn)**

[Status of hepatic circulation during general anesthesia and surgery in children] Ivanov LB, et al. **Anesteziol Reanimatol** 1984 Jan–Feb;(1):65–7 (Eng. Abstr.) **(Rus)**

[Anesthesia with a fluothane–helium–oxygen mixture] Kostylev EG. **Anesteziol Reanimatol** 1983 Nov–Dec; (6):62–5 (Eng. Abstr.) **(Rus)**

[Blood catecholamine levels and their excretion with urine during long–term perfusion in heart surgery with various types of anesthesia] Kuznetsova BA, et al. **Anesteziol Reanimatol** 1983 Sep–Oct;(5):12–5 (Eng. Abstr.) **(Rus)**

[Malignant hyperthermia during fluothane anesthesia] Bora VM, et al. **Klin Khir** 1983 Dec;(12):46 **(Rus)**

[Effect of general anesthesia and surgery on immunoregulatory T–lymphocytes] Gadalov VP, et al. **Vestn Akad Med Nauk SSSR** 1983;(10):59–63 (Eng. Abstr.) **(Rus)**

[Acute renal failure in a patient anesthetized with halothane] Alarcón Zurita A, et al. **Rev Clin Esp** 1984 Jan 31; 172(2):115–6 **(Spa)**

[Anesthetic management of Appert's syndrome] Alvarez Escudero J, et al. **Rev Esp Anestesiol Reanim** 1984 Mar–Apr;31(2):78–81 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

The effect of local scavenging on occupational exposure to nitrous oxide. Carlsson P, et al. **Acta Anaesthesiol Scand** 1983 Dec;27(6):470–5

Deterioration in lung function after general anaesthesia in patients with cystic fibrosis. Richardson VF, et al. **Acta Paediatr Scand** 1984 Jan;73(1):75–9

Convulsions after enflurane [letter] **Anaesthesia** 1984 Jun; 39(6):605–6

Convulsive reaction following enflurane anaesthesia. Jenkins J, et al. **Anaesthesia** 1984 Jan;39(1):44–5

The antiemetic effect of droperidol following outpatient strabismus surgery in children. Abramowitz MD, et al. **Anesthesiology** 1983 Dec;59(6):579–83

Of venous air embolism, aminophylline, and volatile agents [letter] Drummond JC. **Anesthesiology** 1984 Apr;60(4):389

Oxygen and retrolental fibroplasia: update and challenge [editorial] Flynn JT. **Anesthesiology** 1984 May;60(5):397–9

Verapamil worsens rate of development and hemodynamic effects of acute hyperkalemia in halothane–anesthetized dogs: effects of calcium therapy. Nugent M, et al. **Anesthesiology** 1984 May;60(5):435–9

A simple, fool–proof method to prevent hypoxic accidents [letter] Zorab JS. **Anesthesiology** 1984 May;60(5):515–6

Liver damage after halothane anaesthesia: analysis of cases in Finnish hospitals in 1972–1981. Oikkonen M, et al. **Ann Chir Gynaecol** 1984;73(1):28–33

Prevention of nitrous oxide–induced megaloblastic changes in bone marrow using folinic acid. Amos RJ, et al. **Br J Anaesth** 1984 Feb;56(2):103–7

Sister chromatid exchanges in lymphocytes of humans anaesthetized with isoflurane. Husum B, et al. **Br J Anaesth** 1984 Jun;56(6):559–64

Ventricular arrhythmia or supraventricular arrhythmia with aberrant conduction [letter] Karl HW. **Br J Anaesth** 1984 Jun;56(6):671–2

Ventricular arrhythmia or supraventricular arrhythmia with aberrant conduction? An electrocardiographic study in halothane–anaesthetized children undergoing adenoidectomy. Sigurdsson GH, et al. **Br J Anaesth** 1983 Sep;55(9):861–8

Chronic hepatitis after successive halothane anesthetics. Kronborg IJ, et al. **Digestion** 1983;27(2):123–8

Halothane hepatitis and the anaesthesiologist. Shipton EA, et al. **S Afr Med J** 1984 Jan 21;65(3):86–9 (29 ref.)

[Postoperative attack of familial periodic hypokalemic paralysis] Behne M, et al. **Anasth Intensivther Notfallmed** 1984 Apr;19(2):75–7 (Eng. Abstr.) **(Ger)**

HISTORY

A perspective on science. The language and history of anesthesia. Gravenstein JS. **Ala J Med Sci** 1984 Jul; 21(3):304–10

More on the ether operation [letter] Crawford WM. **N Engl J Med** 1984 Feb 23;310(8):534

First operation under ether anesthesia: a correction [letter] Eavey RD. **N Engl J Med** 1983 Oct 20;309(16):990–1

[The Braun apparatus for mixed ether–chloroform anesthesia. A contribution to the early history of combination anesthesia] Weisser C. **Anaesthesist** 1983 Aug;32(8):369–73 (Eng. Abstr.) **(Ger)**

INSTRUMENTATION

Anaesthesia system with eliminated spill valve adjustment and without lung rupture risk. Ruben H. **Acta Anaesthesiol Scand** 1984 Jun;28(3):310–4

Interchangeable rotameter tubes [letter] O'Brien HD. **Anaesth Intensive Care** 1984 May;12(2):173

Interchangeable rotameter tubes [letter] Thomas D. **Anaesth Intensive Care** 1983 Nov;11(4):385–6

A combined humidifier–warming blanket for neonates [letter] Ariaraj SJ. **Anaesthesia** 1984 Aug;39(8):833–4

Coaxial tubing for conventional anaesthetic systems. Boaden RW. **Anaesthesia** 1984 Apr;39(4):359–61

Evaluation of a new range of air drawover vaporizers. The 'PAC' series—laboratory and 'field' studies. Borland CW, et al. **Anaesthesia** 1983 Sep;38(9):852–61

Failure of anaesthetic gas supply [letter] Boscoe MJ, et al. **Anaesthesia** 1983 Oct;38(10):997–8

Potential hazard of a gas–scavenger [letter] Burbidge MJ, et al. **Anaesthesia** 1983 Dec;38(12):1224

Malfunction of Ambu–E valve [letter] Christensen KJ, et al. **Anaesthesia** 1984 Mar;39(3):287

An assessment of the Humphrey ADE anaesthetic system in the Mapleson A mode during spontaneous ventilation. Dixon J, et al. **Anaesthesia** 1984 Jun;39(6):593–6

Maximum oxygen flows from a Boyle's machine [letter] Goddard RH, et al. **Anaesthesia** 1984 Feb;39(2):199

Medishield AGS system and servo 900 ventilators. Investigation and remedy of hazard caused by defeat of 'low expired minute volume' alarm. Gray WM, et al. **Anaesthesia** 1984 Aug;39(8):790–4

Anaesthetic gas scavenging systems [letter] Hawkins TJ. **Anaesthesia** 1984 Feb;39(2):190

Possible hazard from the inserts of condenser humidifiers [letter] James PD, et al. **Anaesthesia** 1984 Jan;39(1):70

Possible connexion failure [letter] Keddie FS. **Anaesthesia** 1984 Jul;39(7):721

Systems modification in obstetric analgesia. Levack ID, et al. **Anaesthesia** 1984 Feb;39(2):183–5

Drawover vaporizers [letter] Mackie A. **Anaesthesia** 1984 Apr;39(4):382

Oxygen flush as a cause of hypoxia [letter] McShane AJ. **Anaesthesia** 1983 Sep;38(9):912

A dangerous misconnexion [letter] Major E. **Anaesthesia** 1983 Sep;38(9):908

Vaporizer failure [letter] Milligan K, et al. **Anaesthesia** 1983 Oct;38(10):997

Hypoxia caused by a leaking Rotameter–the value of an oxygen analyser [letter] Moore JK, et al. **Anaesthesia** 1984 Apr;39(4):380–1

Postoperative analgesia in hip surgery. A controlled comparison of epidural buprenorphine with intramuscular morphine. Murphy DF, et al. **Anaesthesia** 1984 Feb; 39(2):181–3

Accumulation of thymol in halothane vaporizers. Rosenberg PH, et al. **Anaesthesia** 1984 Jun;39(6):581–3

Anaesthetic vapour concentrations in the EMO system. Schaefer HG, et al. **Anaesthesia** 1984 Feb;39(2):171–80

Closed circuit anesthesia in infants and children. Couto da Silva JM, et al. **Anesth Analg** 1984 Aug;63(8):765–9

Gas loss from Ohio Modulus Vaporizer Selector–Interlock Valve [letter] Pyles ST, et al. **Anesth Analg** 1983 Nov; 62(11):1052

Automatic control in anesthesia: a comparison in performance between the anesthetist and the machine.

Smith NT, et al. **Anesth Analg** 1984 Aug;63(8):715–22
Further considerations in unusual disconnections [letter] Sosis M, et al. **Anesth Analg** 1983 Dec;62(12):1134–5
Vaporization of mixed anesthetic liquids. Bruce DL, et al. **Anesthesiology** 1984 Apr;60(4):342–6
Pumping effect of the Philips AVI ventilator on Fluotec vaporizers [letter] Mackenzie N, et al. **Br J Anaesth** 1983 Sep;55(9):921–2
A modification to the Medishield anaesthetic gas scavenging system [letter] Mostafa SM, et al. **Br J Anaesth** 1984 Aug; 56(8):929–30
Hospital medical gas installations [editorial] Robinson JS. **Br J Anaesth** 1983 Sep;55(9):807–8
Rebreathing characteristics of the Bain circuit. An experimental and theoretical study. Stenqvist O, et al. **Br J Anaesth** 1984 Mar;56(3):303–10
Rebreathing and the Bain circuit [letter] Humphrey D. **Can Anaesth Soc J** 1984 May;31(3 Pt 1):343–4
Gas and vapor delivery. Calkins JM, et al. **Contemp Anesth Pract** 1984;8:99–107
The Boston Anesthesia System. Cooper JB, et al. **Contemp Anesth Pract** 1984;8:207–19
Closed-circuit and high-flow systems: examining alternatives. Ernst EA, et al. **Contemp Anesth Pract** 1984; 8:11–38
The Arizona program: development of a modular, interactive anesthesia delivery system. Jewett WR. **Contemp Anesth Pract** 1984;8:185–206
The Alabama Automated Closed-Circuit Anesthesia Project. Spain JA, et al. **Contemp Anesth Pract** 1984;8:177–83
The Utah system: computer-controlled anesthetic delivery. Westenskow DR, et al. **Contemp Anesth Pract** 1984; 8:221–33
Abingdon vaporisers—a preliminary report. Howard R. **J R Nav Med Serv** 1983 Summer;69(2):104–6
[The rediffusion system. Limitation of nitrous oxide increases the cuff pressure of endotracheal tubes] Brandt L, et al. **Anaesthesist** 1983 Sep;32(9):459–64 (Eng. Abstr.) **(Ger)**
[A versatile vaporizer convenient for low flow and closed system anesthesia] Toyooka H, et al. **Masui** 1984 Mar; 33(3):296–301 (Eng. Abstr.) **(Jpn)**
[The Narkon-D device for performing inhalation anesthesia on children] Petrova LN, et al. **Med Tekh** 1984 Jan–Feb; (1):58–9 **(Rus)**

METHODS

Transcutaneous oxygen measurement during one-lung anaesthesia. Salmenperä M, et al. **Acta Anaesthesiol Scand** 1984 Jun;28(3):241–4
Anaesthetic considerations in patients with paroxysmal supraventricular tachycardia. A review and report of cases. Jones RM, et al. **Anaesthesia** 1984 Apr;39(4):307–13
Nitrous oxide dosage in relative analgesia. Allen WA. **Br Dent J** 1984 Jan 7;156(1):9–15
Closed circuit anaesthesia [letter] Enderby DH, et al. **Br J Anaesth** 1984 Aug;56(8):927–8
Change in the work of breathing imposed by five anaesthetic breathing systems. Kay B, et al. **Br J Anaesth** 1983 Dec; 55(12):1239–47
Controlled anaesthesia: a clinical evaluation of an approach using patient characteristics identified during uptake. Morris P, et al. **Br J Anaesth** 1983 Nov;55(11):1065–75
Uptake of isoflurane during clinical anaesthesia. Servo-control of liquid anaesthetic injection into a closed-circuit breathing system. O'Callaghan AC, et al. **Br J Anaesth** 1983 Nov;55(11):1061–4
Servo-controlled closed-circuit anaesthesia. A method for the automatic control of anaesthesia produced by a volatile agent in oxygen. Ross JA, et al. **Br J Anaesth** 1983 Nov; 55(11):1053–60
Fresh gas flows [letter] Spoerel WE, et al. **Br J Anaesth** 1983 Oct;55(10):1039–40
Anaesthetic considerations in the Prader-Willi syndrome [letter] Mayhew JF, et al. **Can Anaesth Soc J** 1983 Sep; 30(5):565–6
Laryngoscopic endotracheal intubation of rats for inhalation anesthesia. Schaefer CF, et al. **J Appl Physiol** 1984 Feb; 56(2):533–5
Comparative study in tympanoplasties with nitrous oxide anesthesia. Ramírez-Camacho RA, et al. **Laryngoscope** 1984 Feb;94(2 Pt 1):220–2
[Comparative study between slow induction method of anesthesia with halothane and enflurane] Niitsu T, et al. **Masui** 1983 Dec;32(12):1447–52 (Eng. Abstr.) **(Jpn)**
[Anesthetic management of Castleman's lymphoma] Oh K, et al. **Masui** 1983 Aug;32(8):989–94 (Eng. Abstr.) **(Jpn)**
[Experience in the use of nasopharyngeal anesthesia in ORL surgery] Nefedov GN, et al. **Vestn Otorinolaringol** 1984 May–Jun;(3):71–2 **(Rus)**

VETERINARY

Arrhythmogenicity of dopamine, dobutamine, and epinephrine in thiamylal-halothane anesthetized dogs. Bednarski RM, et al. **Am J Vet Res** 1983 Dec;44(12):2341–3
Effects of halothane anesthesia on equine liver function. Engelking LR, et al. **Am J Vet Res** 1984 Apr;45(4):607–15
Effects of isoflurane anesthesia on equine liver function. Engelking LR, et al. **Am J Vet Res** 1984 Apr;45(4):616–9
Organ blood flow and distribution of cardiac output in hypocapnic ketamine-anesthetized swine. Tranquilli WJ, et al. **Am J Vet Res** 1983 Aug;44(8):1578–82
Isoflurane anesthesia as an adjunct to hypothermia for surgery in a dog. Meyer RE, et al. **J Am Vet Med Assoc** 1984 Jun 1;184(11):1387–9
Etorphine analgesia supplemented by halothane anesthesia in an adult African elephant. Tamas PM, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1312–4
Halothane-sparing effect of xylazine in dogs and subsequent reversal with tolazoline. Tranquilli WJ, et al. **J Vet Pharmacol Ther** 1984 Mar;7(1):23–8
A closed anesthetic system for small laboratory animals. Mulder JB, et al. **Lab Anim Sci** 1984 Feb;34(1):77–8
Determination of halothane ED-50 in Mongolian gerbils (Meriones unguiculatus). Thielhart LM, et al. **Lab Anim Sci** 1984 Feb;34(1):75–6
Unusual anaesthetic complication in a pelican [letter] Reynolds WT. **Vet Rec** 1983 Aug 27;113(9):204

ANESTHESIA, INTRALIGAMENTAL, DENTAL see **ANESTHESIA, DENTAL**

ANESTHESIA, INTRATRACHEAL

Alfentanil as an anesthetic induction agent—a comparison with thiopental-lidocaine. Bartkowski RR, et al. **Anesth Analg** 1984 Mar;63(3):330–4
Clinical pharmacology of atracurium in infants. Brandom BW, et al. **Anesth Analg** 1984 Mar;63(3):309–12
Pharyngeal and esophageal perforation following endotracheal intubation. O'Neill JE, et al. **Anesthesiology** 1984 May;60(5):487–8
Influence of propranolol plasma levels on hemodynamics during coronary artery bypass surgery. Sill JC, et al. **Anesthesiology** 1984 May;60(5):455–63
Captopril reduces the dose requirement for sodium nitroprusside induced hypotension. Woodside J Jr, et al. **Anesthesiology** 1984 May;60(5):413–7
Effect of gas flow in anesthesia upon arterial oxygen tension. Panich A. **J Med Assoc Thai** 1983 Aug;66(8):435–8
The anesthetic management of pulmonary resection: survey and recommendations. Silvay G, et al. **Mt Sinai J Med (NY)** 1983 May-Jun;50(3):236–7
[Checking the respiratory passages in congenital and acquired craniofacial malformations] Falcone G, et al. **Minerva Anestesiol** 1983 Jun;49(6):371–80 (Eng. Abstr.) **(Ita)**
[A case of difficult intubation with ossification of the posterior longitudinal ligament of the cervical spine (OPLL)] Ishiguro A, et al. **Masui** 1983 Dec;32(12):1534–8 (Eng. Abstr.) **(Jpn)**
[Characteristics of anesthesiological assistance for parturients with myasthenia gravis] Rasstrigin NN, et al. **Akush Ginekol (Mosk)** 1984 Jul;(7):37–40 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Cardiac arrhythmias in intubated children during adenoidectomy. A comparison between enflurane and halothane anaesthesia. Sigurdsson GH, et al. **Acta Anaesthesiol Scand** 1983 Dec;27(6):484–9
Patient care problems in patients undergoing reoperation for coronary artery grafting surgery. Brummett C, et al. **Can Anaesth Soc J** 1984 Mar;31(2):213–20
VATER association and unrecognized bronchopulmonary foregut malformation complicating anesthesia. Bleicher MA, et al. **Mt Sinai J Med (NY)** 1983 Sep-Oct;50(5):435–8
[Cardiac arrhythmias due to tracheal intubation. Effect of 2 methods of preanesthesia] Pagani L, et al. **Minerva Anestesiol** 1983 Jul-Aug;49(7-8):435–8 (Eng. Abstr.) **(Ita)**
[Effect of endotracheal anesthesia, surgery and degree of blood loss on the state of the liver in patients with interrupted extrauterine pregnancy] Akunts KB, et al. **Akush Ginekol (Mosk)** 1984 Jan;(1):48–50 (Eng. Abstr.) **(Rus)**
[Choice of anesthesia in elderly and aged patients undergoing surgery for acute cholecystitis] Buianov VM, et al. **Klin Khir** 1983 Sep;(9):7–11 (Eng. Abstr.) **(Rus)**

INSTRUMENTATION

A nylon embedded latex connector for nasotracheal intubation. Bain JA, et al. **Anesthesiology** 1984 May; 60(5):497–9
Tracheal tube guide to facilitate nasotracheal intubation [letter] Chester MH. **Anesthesiology** 1984 May;60(5):522–3
[A newly designed pediatric laryngoscope] Satoh Y, et al. **Masui** 1983 Nov;32(11):1409–11 (Eng. Abstr.) **(Jpn)**
[Endobronchial anesthesia for Japanese using Robertshaw double-lumen endobronchial tube] Suzuki S, et al. **Masui** 1983 Jun;32(6):718–22 (Eng. Abstr.) **(Jpn)**

METHODS

Questionable partial cure for a minor clinical problem [letter] Bernhard WN. **Anesthesiology** 1983 Dec;59(6):593–4
Scavenging waste gases in pediatric patients [letter] Laucks SO. **Anesthesiology** 1983 Dec;59(6):602
New and easy techniques for fiberoptic endoscopy-aided tracheal intubation. Rogers SN, et al. **Anesthesiology** 1983 Dec;59(6):569–72
Anesthesia for laryngoscopy. Benjamin B. **Ann Otol Rhinol Laryngol** 1984 Jul-Aug;93(4 Pt 1):338–42
Anaesthesia for endoscopy and laser surgery. Edelist G. **Can Anaesth Soc J** 1984 May;31(3 Pt 2):S1–4
Anesthesia for the application of endotracheal and endobronchial radiation therapy. Rooney SM, et al. **J Thorac Cardiovasc Surg** 1984 May;87(5):693–7
Failed intubation. A case report. la Grange PD, et al. **S Afr Med J** 1983 Nov 19;64(22):869–70
Difficult intubation in a patient with rheumatoid arthritis. A case report. Roelofse JA, et al. **S Afr Med J** 1983 Oct 15;64(17):679–80
[Endotracheal anesthesia with nitrous oxide combined with electroacupuncture in gynecological operations on patients with a high risk of thrombotic complications] Shatkina GV, et al. **Akush Ginekol (Mosk)** 1984 Apr;(4):66–70 (Eng. Abstr.) **(Rus)**

STANDARDS

[Adequacy of alveolar ventilation calculated from P. Herzog and C. G. Engstrom's nomogram during ventilation under general anesthesia] Saev S. **Khirurgiia (Sofiia)** 1984; 37(2):85–7 (Eng. Abstr.) **(Bul)**

VETERINARY

Succinylcholine infusion associated with hyperthermia in ponies anesthetized with halothane. Hildebrand SV, et al. **Am J Vet Res** 1983 Dec;44(12):2280–4

ANESTHESIA, INTRAVENOUS

Total intravenous anesthesia with etomidate, alfentanil and droperidol. Helmers JH, et al. **Acta Anaesthesiol Belg** 1983 Dec;34(4):249–55
Pharmacokinetics and pharmacodynamics of thiopental in patients undergoing renal transplantation. Christensen JH, et al. **Acta Anaesthesiol Scand** 1983 Dec;27(6):513–8
Cardiac dysrhythmias and heart rate changes at induction of anaesthesia: a comparison of two intravenous anticholinergics. Greenan J. **Acta Anaesthesiol Scand** 1984 Apr;28(2):182–4
Pharmacokinetics and placental transmission of fazadinium in elective caesarean sections. Rainaldi MP, et al. **Acta Anaesthesiol Scand** 1984 Apr;28(2):222–5
Oxygen uptake and central circulation during ketamine anaesthesia. Tokics L, et al. **Acta Anaesthesiol Scand** 1983 Aug;27(4):318–22
Alfentanil in minor gynaecological surgery: use with etomidate and a comparison with halothane. Antonios WR, et al. **Anaesthesia** 1984 Aug;39(8):812–5
Effects of high-dose fentanyl anaesthesia on the established metabolic and endocrine response to surgery. Bent JM, et al. **Anaesthesia** 1984 Jan;39(1):19–23
Gammahydroxybutyrate [letter] Campbell IT. **Anaesthesia** 1983 Nov;38(11):1105–6
Midazolam and diazepam in ketamine anaesthesia. Cartwright PD, et al. **Anaesthesia** 1984 May;39(5):439–42
Effect of premedication on the induction dose of thiopentone in children. Duncan BB, et al. **Anaesthesia** 1984 May; 39(5):426–8
Venous pressure and arm volume changes during simulated Bier's block. El-Hassan KM, et al. **Anaesthesia** 1984 Mar; 39(3):229–35
Dose of intravenous induction agent [letter] Henderson JJ. **Anaesthesia** 1984 Jan;39(1):64–5
Nalbuphine and Althesin anaesthesia. A controlled double-blind comparison for cystoscopy. Kay B, et al. **Anaesthesia** 1984 Jul;39(7):666–9
Monitoring total intravenous anaesthesia [letter] Kay B. **Anaesthesia** 1983 Dec;38(12):1231
Does obesity affect recovery? A study using intravenous methohexitone and Althesin for short procedures. Kumar V, et al. **Anaesthesia** 1983 Oct;38(10):968–71
Venous pressures during simulated Bier's block. Lawes EG, et al. **Anaesthesia** 1984 Feb;39(2):147–9
Sweating during anaesthesia [letter] Layman PR. **Anaesthesia** 1984 Aug;39(8):846
Bupivacaine and prilocaine in intravenous regional anaesthesia. McKeown DW, et al. **Anaesthesia** 1984 Feb; 39(2):150–4
Awareness during intubation [letter] MacLeod DM. **Anaesthesia** 1984 Aug;39(8):835–6
Failure of intravenous regional analgesia using a double cuff tourniquet. Ogden PN. **Anaesthesia** 1984 May;39(5):456–9
Day-case anaesthesia for termination of pregnancy. Evaluation of a total intravenous anaesthetic technique. Ogg TW, et al. **Anaesthesia** 1983 Nov;38(11):1042–6
Bupivacaine and intravenous regional anaesthesia [editorial] Reynolds F. **Anaesthesia** 1984 Feb;39(2):105–7
Dose-response relationships for infusions of Althesin or methohexitone. Sear JW, et al. **Anaesthesia** 1983 Oct; 38(10):931–6
The effect of age on recovery. A comparison of the kinetics of thiopentone and Althesin. Sear JW, et al. **Anaesthesia** 1983 Dec;38(12):1158–61
Etomidate by infusion for neuroanaesthesia. Kinetic and dynamic interactions with nitrous oxide. Sear JW, et al. **Anaesthesia** 1984 Jan;39(1):12–8
Forum. The use of atracurium besylate for laparoscopy. Sleigh JW, et al. **Anaesthesia** 1984 Mar;39(3):277–9
Anaesthesia for fetal surgery. Spielman FJ, et al. **Anaesthesia** 1984 Aug;39(8):756–9
Prilocaine, bupivacaine and intravenous regional anaesthesia [letter] Tryba M. **Anaesthesia** 1984 Aug;39(8):844–5

Narcotic requirements for intravenous anesthesia. Wynands JE, et al. **Anesth Analg** 1984 Feb;63(2):101–5
Hemodynamic response to diazepam: dependence on prior left ventricular end–diastolic pressure. Dauchot PJ, et al. **Anesthesiology** 1984 May;60(5):499–503
Atracurium in normal doses may release histamine [letter] Fox MA. **Anesthesiology** 1984 Apr;60(4):386
Bupivacaine cardiotoxicity may be more related to technique than to the drug [letter] Knapp RM. **Anesthesiology** 1984 Mar;60(3):257–8
Acute tolerance to thiopental is alive and well [letter] Mark LC. **Anesthesiology** 1984 May;60(5):526–8
More about the pharmacokinetics of vecuronium and pancuronium [letter] Norman J. **Anesthesiology** 1984 May; 60(5):509–10
Beta–adrenergic effect of pancuronium bromide: fact or fallacy? [letter] Pinaud ML, et al. **Anesthesiology** 1984 May; 60(5):512–3
Hemodynamics and histamine release during induction with sufentanil or fentanyl. Rosow CE, et al. **Anesthesiology** 1984 May;60(5):489–91
Use of thiopental–lidocaine combination for elective cardioversion [letter] White PF. **Anesthesiology** 1984 May; 60(5):511–2
Midazolam in dentistry [letter] **Br Dent J** 1984 May 19; 156(10):349
Midazolam in dentistry [letter] Hill CM. **Br Dent J** 1984 Apr 7;156(7):240
Ventilatory effects during and after continuous infusion of fentanyl or alfentanil. Andrews CJ, et al. **Br J Anaesth** 1983;55 Suppl 2:211S–216S
Plasma concentrations of alfentanil required to supplement nitrous oxide anaesthesia for lower abdominal surgery. Auseins ME, et al. **Br J Anaesth** 1983;55 Suppl 2:191S–197S
Influence of high–dose alfentanil anaesthesia on the electroencephalogram: correlation with plasma concentrations. Bovill JG, et al. **Br J Anaesth** 1983;55 Suppl 2:199S–209S
Effect of alfentanil and fentanyl on recovery from brief anaesthesia. Cooper GM, et al. **Br J Anaesth** 1983;55 Suppl 2:179S–182S
Comparison between midazolam and thiopentone–based balanced anaesthesia for day–case surgery. Crawford ME, et al. **Br J Anaesth** 1984 Feb;56(2):165–9
Alfentanil–oxygen anaesthesia: plasma concentrations and clinical effects during variable–rate continuous infusion for coronary artery surgery. de Lange S, et al. **Br J Anaesth** 1983;55 Suppl 2:183S–189S
Changes in intragastric pressure on induction of anaesthesia. Drummond GB, et al. **Br J Anaesth** 1984 Aug;56(8):873–9
Dose–response relationships and neuromuscular blocking effects of vecuronium pancuronium during ketamine anaesthesia. Engbaek J, et al. **Br J Anaesth** 1984 Sep; 56(9):953–7
Hypoxic ventilatory drive in the dog under Althesin anaesthesia. Gaudy JH, et al. **Br J Anaesth** 1984 Jun; 56(6):631–6
A clinical trial of alfentanil as an adjuvant for short anaesthetic procedures. Hull CJ, et al. **Br J Anaesth** 1983; 55 Suppl 2:173S–178S
Recovery after fentanyl and alfentanil in anaesthesia for minor surgery. Kay B, et al. **Br J Anaesth** 1983;55 Suppl 2:169S–171S
Intravenous anaesthesia for minor surgery. A comparison of etomidate or Althesin with fentanyl and alfentanil. Kay B, et al. **Br J Anaesth** 1983;55 Suppl 2:165S–167S
Effects of ketamine anaesthesia on the metabolic response to pelvic surgery. Lacoumenta S, et al. **Br J Anaesth** 1984 May;56(5):493–7
Protective effect of thiopentone on induced myalgias [letter] Manani G, et al. **Br J Anaesth** 1983 Nov;55(11):1165
Ventilatory depression during and after infusion of alfentanil in man. O'Connor M, et al. **Br J Anaesth** 1983;55 Suppl 2:217S–222S
Cardiovascular responses to large doses of alfentanil and fentanyl. Rucquoi M, et al. **Br J Anaesth** 1983;55 Suppl 2:223S–230S
Effect of naloxone on the loss of consciousness induced by i.v. anaesthetic agents in man. Stella L, et al. **Br J Anaesth** 1984 Apr;56(4):369–73
Infusion rates for anaesthesia with propofol. Wright PJ, et al. **Br J Anaesth** 1984 Jun;56(6):613–6
Premedication with intramuscular midazolam: effect on induction time with intravenous midazolam compared to intravenous thiopentone or ketamine. Artru AA, et al. **Can Anaesth Soc J** 1984 Jul;31(4):359–63
Venous pressures in the isolated upper limb during saline injection. Finegan BA, et al. **Can Anaesth Soc J** 1984 Jul; 31(4):364–7
Assessment of anaesthetic action of morphine and fentanyl in rats. Kissin I, et al. **Can Anaesth Soc J** 1983 Nov; 30(6):623–8
Thiopental bolus during carotid endarterectomy–rational drug therapy? Moffat JA, et al. **Can Anaesth Soc J** 1983 Nov;30(6):615–22
Cell–mediated immune suppression due to alfathesin in short–term anaesthesia. Rosenfeld A, et al. **Can Anaesth Soc J** 1983 Sep;30(5):522–5
The effect of population habits on side effects and narcotic requirements during high–dose fentanyl anaesthesia. Stanley TH, et al. **Can Anaesth Soc J** 1984 Jul;31(4):368–76
Peroral endoscopies using intravenous anesthesia and high–frequency ventilation. Scheck PA, et al. **Crit Care Med** 1984 Sep;12(9):803–5
Pharmacokinetics of intravenous morphine in balanced anesthesia: studies in children. Vandenberghe H, et al. **Drug Metab Rev** 1983;14(5):887–903
Intravenous anaesthetics for short procedures. **Drug Ther Bull** 1983 Jul 29;21(15):58–60
Thiopentone infusions for neurosurgery in a developing country. Pereira NH, et al. **East Afr Med J** 1983 Apr; 60(4):242–8
Evaluation of centbucridine for intravenous regional anaesthesia. Suri YV, et al. **Indian J Med Res** 1983 May; 77:722–7
Respiratory system, lung, and chest wall impedances in anesthetized dogs. Jackson AC, et al. **J Appl Physiol** 1984 Jul;57(1):34–9
Anaesthesia with continuous thiopentone infusion, epidural morphine and relaxant. Adu–Gyamfi Y, et al. **J Int Med Res** 1983;11(4):222–7
Comparison of sodium thiopental and methohexital for high–dose barbiturate anesthesia. Boarini DJ, et al. **J Neurosurg** 1984 Mar;60(3):602–8
Effect of laminectomy and anesthesia upon spinal cord blood flow. Hitchon PW, et al. **J Neurosurg** 1984 Sep;61(3):545–9
Comparative effects of barbiturate or enflurane anesthesia with induced hypotension on intrapulmonary shunting. Sokoll MD, et al. **J Neurosurg** 1984 Feb;60(2):248–51
Evaluation by thoracic impedance cardiography of diazepam, placebo, and two drug combinations for intravenous sedation of dental outpatients. Dionne RA, et al. **J Oral Maxillofac Surg** 1983 Dec;41(12):782–8
Anaesthesia and development of some experimental tumours. Frid IA, et al. **J Surg Oncol** 1984 Mar;25(3):192–7
Which agent for intravenous regional anaesthesia? [letter] McKeown DW, et al. **Lancet** 1983 Dec 24–31; 2(8365–66):1503
Clinical experiences with analogues of fentanyl. de Lange S. **Mt Sinai J Med (NY)** 1983 Jul–Aug;50(4):312–5 (27 ref.)
Narcotics. Hug CC Jr. **Mt Sinai J Med (NY)** 1983 Jul–Aug; 50(4):305–7
Continuous intravenous infusion. Prys–Roberts C. **Mt Sinai J Med (NY)** 1983 Jul–Aug;50(4):295–9 (31 ref.)
Barbiturates. Sampson I. **Mt Sinai J Med (NY)** 1983 Jul–Aug; 50(4):283–8 (61 ref.)
Ketamine. Silvay G. **Mt Sinai J Med (NY)** 1983 Jul–Aug; 50(4):300–4 (65 ref.)
High–dose fentanyl. Stanley TH. **Mt Sinai J Med (NY)** 1983 Jul–Aug;50(4):308–11
The effects of acetylcholine on bulbar respiratory related neurones. Consequences of anaesthesia by pentobarbital. Morin–Surun MP, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Mar; 325(3):205–8
A review of the Bier's block technique. Pattison CW. **Practitioner** 1984 Feb;228(1388):235–7
Total intravenous anaesthesia using low–dose ketamine infusion for caesarean section. A comparison with a standard inhalation anaesthetic technique. Mankowitz E, et al. **S Afr Med J** 1984 Feb 18;65(7):246–50
[Total venous anesthesia with flunitrazepam and ketamine in surgical abdominal gynecology] Chernev Ch, et al. **Akush Ginekol (Sofiia)** 1983;22(4):322–5 (Eng. Abstr.) **(Bul)**
[Serum pseudocholinesterase activity during intravenous procaine anesthesia] Shi WZ. **Chung Hua Wai Ko Tsa Chih** 1983 Nov;21(11):670–5 (Eng. Abstr.) **(Chi)**
[Double–blind testing of alfentanyl and fentanyl in total intravenous anesthesia] Fragen RJ, et al. **Anaesthesist** 1984 Feb;33(2):99–102 (Eng. Abstr.) **(Ger)**
[Use of alfentanyl in short–term anesthesia. Initial results] Hoffmann P, et al. **Anaesthesist** 1984 Mar;33(3):137–9 (Eng. Abstr.) **(Ger)**
[Continuous alfentanil infusion in surgical interventions of intermediate and long duration] van Leeuwen L, et al. **Anaesthesist** 1984 Apr;33(4):173–6 (Eng. Abstr.) **(Ger)**
[Endobronchial ventilation in transthoracic endoscopic sympathectomy] Eilenberger K, et al. **Anasth Intensivther Notfallmed** 1983 Aug;18(4):174–6 (Eng. Abstr.) **(Ger)**
[Drug combinations with a propanidid base in minor obstetric and gynecologic surgery] Condemi AM, et al. **Minerva Anestesiol** 1983 Sep;49(9):491–6 (Eng. Abstr.) **(Ita)**
[Effects of high–dose fentanyl on normal and ischemic heart] Furuya Y, et al. **Masui** 1983 Oct;32(10):1220–6 (Eng. Abstr.) **(Jpn)**
[Leukocyte migration inhibition by intravenous anesthetics] Kitajima H. **Masui** 1983 Jul;32(7):811–7 (Eng. Abstr.) **(Jpn)**
[New anesthetics and development of methods of anesthesia (Part 1)] Miyazaki M, et al. **Masui** 1984 Jan;33(1):66–75 (64 ref.) (Eng. Abstr.) **(Jpn)**
[Effect of continuous intravenous anesthesia with Alphadione (alphaxalone/alphadolone) on postoperative liver function] Satake T, et al. **Masui** 1983 May;32(5):554–8 (Eng. Abstr.) **(Jpn)**
[Effects of intravenous morphine on responses of the spinal cord wide dynamic range (WDR) neurons to heat and tactile stimuli] Tsubaki T. **Masui** 1984 Jan;33(1):16–24 (Eng. Abstr.) **(Jpn)**
[Influence of double Somnolent dose administration of flunitrazepam on circulatory system] Yurino M, et al. **Masui** 1984 Feb;33(2):162–6 (Eng. Abstr.) **(Jpn)**
[Morphine as pivotal drug in total intravenous anesthesia] Cardan E, et al. **Rev Chir [Chir]** 1983 Nov–Dec; 32(6):465–74 (Eng. Abstr.) **(Rum)**
[Effect of ketamine anesthesia during cesarean section on central hemodynamics in the parturient] Lantsev EA, et al. **Akush Ginekol (Mosk)** 1983 Aug;(8):51–4 (Eng. Abstr.) **(Rus)**
[Effect of sodium oxybutyrate on changes in the electrolyte balance and acid–base equilibrium in labor] Miroshnichenko VP, et al. **Akush Ginekol (Mosk)** 1983 Aug;(8):31–2 (Eng. Abstr.) **(Rus)**
[Effect of nitrous oxide on central hemodynamics during combined intravenous anesthesia in patients with acquired heart defects] Trekova NA, et al. **Anesteziol Reanimatol** 1984 Jan–Feb;(1):3–8 (Eng. Abstr.) **(Rus)**
[Effect of combined intravenous anesthesia with kalipsol and seduxen on external respiration, gas exchange and hemodynamics of the lesser circulation in patients during operations with artificial circulation] Trekova NA, et al. **Anesteziol Reanimatol** 1983 Sep–Oct;(5):8–12 (Eng. Abstr.) **(Rus)**
[Prolonged infusion of sombrevin as the basic component of anesthesia in surgical procedures of different length] Vanevskiĭ VL, et al. **Anesteziol Reanimatol** 1984 Jan–Feb; (1):50–4 (Eng. Abstr.) **(Rus)**
[Multicomponent intravenous anesthesia using calypsol in surgery of the lungs and mediastinum] Buniatian AA, et al. **Vestn Akad Med Nauk SSSR** 1983;(10):37–43 (Eng. Abstr.) **(Rus)**
[Mechanism of action of ketamine] Vanevskiĭ VL, et al. **Vestn Akad Med Nauk SSSR** 1983;(10):43–7 (Eng. Abstr.) **(Rus)**
[Effect of droperidol on the functional state of the lesser circulation in patients with pulmonary hypertension] Gimmel'farb GN, et al. **Vestn Khir** 1983 Oct;131(10):114–8 (Eng. Abstr.) **(Rus)**
[Effect of intravenous anesthesia using ketamine on respiratory and circulatory parameters] Gudushauri ON, et al. **Vestn Khir** 1983 Aug;131(8):82–5 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Bupivacaine intravenous regional anaesthesia and resuscitation [letter] **Anaesthesia** 1984 Jun;39(6):612–3
Hypersensitivity reactions to Althesin infusion: measurement of complement involvement. Benoit Y, et al. **Anaesthesia** 1983 Nov;38(11):1079–81
Immune reaction to propanidid. Christmas D. **Anaesthesia** 1984 May;39(5):470–3
Intravenous regional analgesia. The danger of the congested arm and the value of occlusion pressure. Davies JA, et al. **Anaesthesia** 1984 May;39(5):416–21
Allergy, atopy and IgE. The predictive value of total IgE and allergic history in anaphylactic reactions during anaesthesia. Fisher MM, et al. **Anaesthesia** 1984 Mar; 39(3):213–7
The prevention of etomidate–induced myoclonus [letter] Lowe SS. **Anaesthesia** 1984 Jan;39(1):70–1
Hypersensitivity reactions to infusions of Althesin [letter] Sear JW, et al. **Anaesthesia** 1983 Dec;38(12):1223
Hazards of high dose fentanyl for short procedures [letter] Sosis M, et al. **Anaesthesia** 1983 Oct;38(10):999–1000
Coughing on induction with Althesin [letter] Thompson MC. **Anaesthesia** 1983 Sep;38(9):907
Cardiac complications during use of etomidate. Van den Hurk AW, et al. **Anaesthesia** 1983 Dec;38(12):1183–4
Acute pulmonary edema in healthy teenagers following conservative doses of intravenous naloxone. Prough DS, et al. **Anesthesiology** 1984 May;60(5):485–6
Regional anaesthesia in elective hand surgery [letter] **Ann R Coll Surg Engl** 1984 May;66(3):219–20
Etomidate [editorial] Owen H, et al. **Br J Anaesth** 1984 Jun; 56(6):555–7
Venous sequelae following the injection of etomidate or thiopentone i.v. Schou Olesen A, et al. **Br J Anaesth** 1984 Feb;56(2):171–3
Bronchoscopic therapy with neodymium–yttrium–aluminum–garnet laser during intravenous anesthesia. Effect on arterial blood gas levels, pH, hemoglobin saturation, and production of abnormal hemoglobin. Brutinel WM, et al. **Chest** 1983 Nov; 84(5):518–21
Malignant hyperthermia. A review and case report. Haber J, et al. **J Am Podiatry Assoc** 1983 Aug;73(8):422–6
Venous complications of intravenous diazepam. Litchfield NB. **J Oral Maxillofac Surg** 1983 Nov;41(11):701–5
Incidence and extent of venous sequelae with intravenous diazepam utilizing a standardized conscious sedation technique. Part II: Effects of injection site. Morgan M, et al. **J Periodontol** 1983 Nov;54(11):680–4
[Changes in the blood coagulating system of patients with brain tumors during initial anesthesia] Raevskiĭ VP, et al. **Anesteziol Reanimatol** 1984 Mar–Apr;(2):37–9 (Eng. Abstr.) **(Rus)**

HISTORY

The fiftieth anniversary of the use of thiopentone in man [editorial] Papper EM. **Anaesthesia** 1984 Jun;39(6):517–9
Fifty years of thiopentone [editorial] Dundee JW.

Br J Anaesth 1984 Mar;56(3):211–3
Intravenous anesthesia—history, currency, prospects. **Vandam LD. Mt Sinai J Med (NY)** 1983 Jul–Aug; 50(4):316–22

INSTRUMENTATION

Reliability of 'Butterfly' needles during anaesthesia [letter] Harvey DC. **Anaesthesia** 1983 Nov;38(11):1102
The use of 'butterflies' [letter] Sale JP. **Anaesthesia** 1984 Mar; 39(3):294

METHODS

Etomidate and alfentanil infusion for major surgery. Kay B. **Acta Anaesthesiol Belg** 1984 Mar;35(1):19–24
Total intravenous anaesthesia [letter] Dallas SH. **Anaesthesia** 1983 Sep;38(9):905–6
Comparison of continuous infusion fentanyl or ketamine versus thiopental—determining the mean effective serum concentrations for outpatient surgery. White PF, et al. **Anesthesiology** 1983 Dec;59(6):564–9
A new technique of balanced anaesthesia II. Morphine, hyoscine and alloferin. Nilprapussorn P. **J Med Assoc Thai** 1984 Jan;67(1):8–15
[Comparison of the hemodynamic effects of midazolam–fentanyl and thiopental–fentanyl combinations in the induction of general anesthesia] Pomane C, et al. **Ann Fr Anesth Reanim** 1983;2(2):75–9 (Eng. Abstr.) **(Fre)**
[Naloxone as a drug for improving anesthesia results in children] Rondio Z, et al. **Probl Med Wieku Rozwoj** 1979; 9:282–8 (Eng. Abstr.) **(Pol)**
[Use of kalipsol for intravenous anesthesia in emergency oral surgery] Gritsuk SF, et al. **Stomatologiia (Mosk)** 1984 Mar–Apr;63(2):24–6 (Eng. Abstr.) **(Rus)**
[Combined anesthesia using subnarcotic doses of ketamine in dental surgical interventions] Starodubtsev VS, et al. **Stomatologiia (Mosk)** 1984 Jul–Aug;63(4):51–4 (Eng. Abstr.) **(Rus)**
[Ketalar anesthesia in the first–aid stage with the victims of severe injury and traumatic shock] Kuznetsova OIu, et al. **Vestn Khir** 1984 Jul;132(7):88–91 (Eng. Abstr.) **(Rus)**

STANDARDS

Safety of intravenous regional anaesthesia [letter] Linter SP. **Lancet** 1983 Oct 1;2(8353):787

VETERINARY

Antagonism of xylazine and ketamine anesthesia by 4–aminopyridine and yohimbine in geldings. Kitzman JV, et al. **Am J Vet Res** 1984 May;45(5):875–9
Dose–response anesthetic effects of ketamine in the chicken. McGrath CJ, et al. **Am J Vet Res** 1984 Mar;45(3):531–4
Organ blood flow and distribution of cardiac output in hypocapnic ketamine–anesthetized swine. Tranquilli WJ, et al. **Am J Vet Res** 1983 Aug;44(8):1578–82
Echocardiographic assessment of cats anesthetized with xylazine–sodium pentobarbital. Allen DG, et al. **Can J Comp Med** 1983 Jul;47(3):281–3
Xylazine–ketamine–oxymorphone: an injectable anesthetic combination in swine. Breese CE, et al. **J Am Vet Med Assoc** 1984 Jan 15;184(2):182–3
Intravenous regional analgesia for surgery of the limbs in goats. Babalola GO, et al. **Vet Q** 1983 Oct;5(4):186–9
Avian anaesthesia [letter] Forbes NA. **Vet Rec** 1984 Aug 11;115(6):134
Observations following intravenous xylazine administration in steers. Raptopoulos D, et al. **Vet Rec** 1984 Jun 9; 114(23):567–9
Potency changes of intravenous induction agents in the first ten weeks of life: an experiment using beagle dogs. Allt–Graham J, et al. **Vet Res Commun** 1983 Dec; 7(1–4):353–7
Evaluation of chloral hydrate anaesthesia in camels. Sharma SK, et al. **Zentralbl Veterinarmed [A]** 1983 Nov; 30(9):674–81
[Experimental surgery in miniature swine MINI–LEWE under thiobarbiturate anesthesia] Stier H, et al. **Z Versuchstierkd** 1984;26(1):39–42 (Eng. Abstr.) **(Ger)**

ANESTHESIA, LOCAL

Topical anaesthesia with EMLA, a new lidocaine–prilocaine cream and the Cusum technique for detection of minimal application time. Ehrenström–Reiz G, et al. **Acta Anaesthesiol Scand** 1983 Dec;27(6):510–2
Anomalous ossicle of the articular process: arthrography and facet block. Raymond J, et al. **AJR** 1983 Dec;141(6):1233–4
Electrical skin resistance changes in meridians during ophthalmic surgery with local anesthesia. Ogata H, et al. **Am J Chin Med** 1983;11(1–4):130–6
Outpatient inguinal herniorrhaphy with both regional and local anesthesia. Ryan JA Jr, et al. **Am J Surg** 1984 Sep; 148(3):313–6
Sedation for local anaesthesia. Comparison of intravenous midazolam and diazepam. Dixon J, et al. **Anaesthesia** 1984 Apr;39(4):372–6
Anaesthesia for fetal surgery. Spielman FJ, et al. **Anaesthesia** 1984 Aug;39(8):756–9
Plasma catecholamine concentrations. The effects of infiltration with local analgesics and vasoconstrictors during nasal operations. Taylor S, et al. **Anaesthesia** 1984 Jun;39(6):520–3
Effects of diazepam premedication and epinephrine–containing local anesthetic on cardiovascular and plasma catecholamine responses to oral surgery. Dionne RA, et al. **Anesth Analg** 1984 Jul;63(7):640–6
Saline with benzyl alcohol prevents pain of needle insertion [letter] Thomas DV. **Anesth Analg** 1984 Sep;63(9):883
Further suggestions on epidural spread in pregnancy [letter] Sosis M, et al. **Anesthesiology** 1983 Dec;59(6):600–1
Temporary partial cardiopulmonary bypass during emergency operative management of near total tracheal occlusion. Wilson RF, et al. **Anesthesiology** 1984 Jul; 61(1):103–5
Breathing pattern alterations with aerosolized buffered saline—effects of topical airway anesthesia. Chadha T, et al. **Ann Allergy** 1984 Sep;53(3):226–30
Adjusting adjustable eye muscle sutures in anesthetized patients. Bedrossian RH. **Ann Ophthalmol** 1983 Sep; 15(9):800, 802–4
Retrobulbar anesthesia in strabismus surgery. Szmyd SM, et al. **Arch Ophthalmol** 1984 Sep;102(9):1325–7
Lidocaine v bupivacaine in facial plastic surgery. A clinical trial. Maimon WN, et al. **Arch Otolaryngol** 1984 Aug; 110(8):525–8
Plasma concentrations of catecholamines following adrenaline infiltration during gynaecological surgery. Low JM, et al. **Br J Anaesth** 1984 Aug;56(8):849–53
The use of sequential analysis to assess patient preference for local skin anaesthesia during knee aspiration. Kirwan JR, et al. **Br J Rheumatol** 1984 Aug;23(3):210–3
Effect of retrobulbar anesthesia on ocular tension. Breslin CW, et al. **Can J Ophthalmol** 1983 Aug;18(5):223–5
Vestibular caloric test and local anaesthesia: a nystagmographical study on pigeons. Gursel AO, et al. **Clin Otolaryngol** 1983 Oct;8(5):313–6
Laparoscopy under local anaesthesia: our experience in 400 non–gynaecological patients. Hegarty JH, et al. **Ir J Med Sci** 1983 Jul;152(7):276–8
Vasoconstrictors and local anesthesia: a review and rationale for use. Jastak JT, et al. **J Am Dent Assoc** 1983 Oct; 107(4):623–30 (75 ref.)
The inferior alveolar and mylohyoid nerves: an anatomic study and relationship to local anesthesia of the anterior mandibular teeth. Wilson S, et al. **J Am Dent Assoc** 1984 Mar;108(3):350–2
Airway anesthesia effects on hypercapnic breathing pattern in humans. Sullivan TY, et al. **J Appl Physiol** 1983 Aug; 55(2):368–76
Student difficulties in achieving local anesthesia. Milgrom P, et al. **J Dent Educ** 1984 Mar;48(3):168–70
Evaluation of etidocaine hydrochloride for local anesthesia and postoperative pain control in oral surgery. Sisk AL, et al. **J Oral Maxillofac Surg** 1984 Feb;42(2):84–8
Laparoscopy under local anaesthesia [editorial] Gordon AG. **J R Soc Med** 1984 Jul;77(7):540–1
Lignocaine–prilocaine cream reduces venepuncture pain [letter] Wahlstedt C, et al. **Lancet** 1984 Jul 14;2(8394):106
The efficacy of xylocaine topical anaesthetic in reducing injection pain. Yaacob HB, et al. **Med J Malaysia** 1983 Mar;38(1):59–61
The influence of local anesthesia on occlusal adjustment. Gorfil C, et al. **NY J Dent** 1984 Jan;54(1):11–2
The warming of local anesthetic agents to decrease discomfort. Bloom LH, et al. **Ophthalmic Surg** 1984 Jul; 15(7):603
More on sedation prior to local injection [letter] Kulvin SM. **Ophthalmic Surg** 1983 Dec;14(12):1042–3
Microlaryngoscopy in local anesthesia using Brünings' counterpressor. Minnigerode B. **ORL J Otorhinolaryngol Relat Spec** 1983;45(6):338–46
Local anesthetic effect of intrathecal normal saline [letter] Urban BJ, et al. **Pain** 1984 Feb;18(2):209–12
Complications in 8509 laparoscopic Falope ring sterilizations performed under local anaesthesia. Pattinson RC, et al. **S Afr Med J** 1983 Dec 10;64(25):975–6
Local anaesthesia in carotid surgery. A prospective study of 111 endarterectomies in 100 patients. Luosto R, et al. **Scand J Thorac Cardiovasc Surg** 1984;18(2):133–7
Local anesthetic hernia repair. An analysis of recurrence. Britton BJ, et al. **Surg Clin North Am** 1984 Apr; 64(2):245–55 (48 ref.)
Repair of the groin hernia. Outpatient approach with local anesthesia. Flanagan L Jr, et al. **Surg Clin North Am** 1984 Apr;64(2):257–67
Anaesthesia of tympanic membrane with lidocaine. László I, et al. **Ther Hung** 1981;29(4):176–9
Transurethral resection of bladder tumors under local anesthesia. Engberg A, et al. **Urology** 1983 Oct;22(4):385–7
[Experience with analgesia using Anecotan in the operating room] Toman Z. **Rozhl Chir** 1984 Jan;63(1):36–9 (Eng. Abstr.) **(Cze)**
[Accumulation of carbon dioxide in the operative field in ophthalmic interventions under local anesthesia] Kobel M, et al. **Ophthalmologica** 1984;188(3):135–40 (Eng. Abstr.) **(Fre)**
[Contralateral local anesthesia in stump, phantom and post–traumatic pain] Gross D. **Reg Anaesth** 1984 Apr; 7(2):65–73 (Eng. Abstr.) **(Ger)**
[Use of various forms of acupuncture and therapy with local anesthetics in accident surgery after care] Rabl V, et al. **Unfallheilkunde** 1983 Aug;86(8):370–7 (Eng. Abstr.) **(Ger)**
[Transurethral electroresection of the bladder neck in local anesthesia] Hak–Hagir A. **Z Urol Nephrol** 1983 Oct; 76(10):639–41 (Eng. Abstr.) **(Ger)**
[Tricyclic antidepressants and MAO inhibitors: how they affect local dental anesthesia] Perotti R, et al. **Minerva Stomatol** 1983 Nov–Dec;32(6):919–24 (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

Minimizing the pain of local anesthesia. Arndt KA, et al. **Plast Reconstr Surg** 1983 Nov;72(5):676–9
Acute sacral epidural abscess following local anaesthetic injection. Rustin MH, et al. **Postgrad Med J** 1983 Jun; 59(692):399–400
[Bronchial endoscopy. Determination of lidocaine after intrabronchial administration (letter)] Bruguerolle B, et al. **Presse Med** 1984 May 5;13(19):1215 **(Fre)**
[Blockade of the optic nerve caused by retrobulbar anesthesia] Doden W, et al. **Klin Monatsbl Augenheilkd** 1984 Apr;184(4):311–2 (Eng. Abstr.) **(Ger)**
[Unusual cause of subcapsular renal hematoma] Köster O, et al. **Rontgenblatter** 1983 Aug;36(8):266–70 (Eng. Abstr.) **(Ger)**
[Subcapsular kidney hematoma: a rare complication of paravertebral infiltration] Kühn MW, et al. **Urologe [Ausg A]** 1983 Sep;22(5):252–4 (Eng. Abstr.) **(Ger)**

HISTORY

Historical error [letter] Feibel RM. **Ophthalmology (Rochester)** 1983 Jul;90(7):857

INSTRUMENTATION

An insufflation device for anesthesia during subglottic carbon dioxide laser microsurgery in children. Johans TG, et al. **Anesth Analg** 1984 Mar;63(3):368–70
An atraumatic method for topical application of local anesthetics to the nasal mucosa [letter] Hannenberg AA. **Anesthesiology** 1983 Dec;59(6):596–7
A simple conversion of the standard local anaesthetic syringe. Absi EG. **Br Dent J** 1983 Dec 10;155(11):386
Measurements of pressures developed in the syringe during dental infiltration anaesthesia. Maita E, et al. **Br Dent J** 1984 Jun 9;156(11):399–400
Clinical evaluation of periodontal ligament anesthesia using a pressure syringe. Smith GN, et al. **J Am Dent Assoc** 1983 Dec;107(6):953–6
[Use of jet injectors for local intracutaneous anesthesia in mass blood procurement] Popov SD, et al. **Gematol Transfuziol** 1984 Mar;29(3):58–60 **(Rus)**
[Injuries of surgeons during conduction of local anesthesia] Sozonik VP, et al. **Vestn Khir** 1984 Jan;132(1):140–1 **(Rus)**
[Pipette for anesthesia of the upper respiratory tract] Sharov VB. **Vestn Rentgenol Radiol** 1984 Mar–Apr;(2):85–6 **(Rus)**

METHODS

Painless venipuncture. A clinical trial of iontophoresis of lidocaine for venipuncture in blood donors. Arvidsson SB, et al. **Acta Anaesthesiol Scand** 1984 Apr;28(2):209–10
The attack on TAC [letter] White WB, et al. **Ann Emerg Med** 1984 Mar;13(3):214–5
The bucco–gingival branch of the posterior superior alveolar artery: a source of haematomata when injecting in the maxilla. Carter EF. **Aust Dent J** 1983 Aug;28(4):197–201
Day case dental anaesthesia. Evaluation of three methods of anaesthesia. Ogg TW, et al. **Br Dent J** 1983 Jul 9; 155(1):14–7
Precise selective anaesthesia using a pressure syringe. Chenail B, et al. **Can Dent Assoc J** 1984 May;50(5):404–5
Regional anesthesia during newborn circumcision. Effect on infant pain response. Holve RL, et al. **Clin Pediatr (Phila)** 1983 Dec;22(12):813–8
Intraligamentary—intraosseous anesthesia. A radiographic demonstration. Garfunkel AA, et al. **Int J Oral Surg** 1983 Oct;12(5):334–9
Difficulties in achieving local anesthesia. Kaufman E, et al. **J Am Dent Assoc** 1984 Feb;108(2):205–8
Effects of local anesthetics on pulpal blood flow in dogs. Kim S, et al. **J Dent Res** 1984 May;63(5):650–2
Carotid endarterectomy using local anesthesia. Peterson GJ. **Mo Med** 1983 Dec;80(12):743–5, 750
Successful premedication for local anesthesia [letter] Hartstein J. **Ophthalmic Surg** 1983 Nov;14(11):978
Periodontal ligament injection: evaluation of systemic effects. Smith GN, et al. **Oral Surg** 1983 Dec;56(6):571–4
Epinephrine pain with local anesthesia [letter] Wiemer DR. **Plast Reconstr Surg** 1984 Jun;73(6):997
Local anaesthesia for diagnostic and operative arthroscopy of the knee. Read GO. **S Afr Med J** 1983 Sep 24; 64(13):471–2
Anesthesia in chalazion surgery [letter] Gerde LS, et al. **South Med J** 1983 Nov;76(11):1462
[Celioscopy under local anesthesia for collecting oocytes for in vitro fertilization] Belaisch–Allart JC, et al. **Presse Med** 1983 Sep 24;12(33):2053–4 (Eng. Abstr.) **(Fre)**
[Gynecologic surgery under local anesthesia with lidocaine and POR 8 (letter)] Dargent D, et al. **Presse Med** 1984

Jun 30;13(27):1699–700 (Fre)
[Anesthesia and analgesia in ambulatory surgery] Meine J. **Rev Med Suisse Romande** 1983 Oct;103(10):829–39 (Fre)
[Anesthesia with 10% lidocaine in bronchology] Kmita E, et al. **Pneumonol Pol** 1984 Jan;52(1):19–25 (Eng. Abstr.) (Pol)
[Infusion of solution of novocaine and various drugs and other substances into the venous bed of the bones in frostbite of the limbs] Atiasov NI. **Gematol Transfuziol** 1983 Sep;28(9):35–7 (Rus)

NURSING

Recommended practices. Monitoring the patient receiving local anesthesia. **AORN J** 1984 May;39(6):1080–3

ANESTHESIA, OBSTETRICAL

see related
NATURAL CHILDBIRTH

Pollution of delivery ward air by nitrous oxide. Effects of various modes of room ventilation, excess and close scavenging. Bernow J, et al. **Acta Anaesthesiol Scand** 1984 Feb;28(1):119–23
Pharmacokinetics and sedative effect of midazolam in connection with caesarean section performed under epidural analgesia. Kanto J, et al. **Acta Anaesthesiol Scand** 1984 Feb;28(1):116–8
Pharmacokinetics and placental transmission of fazadinium in elective caesarean sections. Rainaldi MP, et al. **Acta Anaesthesiol Scand** 1984 Apr;28(2):222–5
Obstetrical paracervical block with chloroprocaine or bupivacaine. A comparison. Belfrage P, et al. **Acta Obstet Gynecol Scand** 1983;62(3):245–7
Epidural anesthesia for cesarean section. The effect of morphine–bupivacaine administered epidurally for intra and postoperative pain relief. Hanson AL, et al. **Acta Obstet Gynecol Scand** 1984;63(2):135–40
Epicutaneous application of A2358 compresses containing ketocaine for pain relief in labor. A multicenter double–blind trial. Jouppila R, et al. **Acta Obstet Gynecol Scand** 1983;62(4):321–4
Which local anesthetic is best suited for paracervical blocks? Nesheim BI. **Acta Obstet Gynecol Scand** 1983;62(3):261–4
The incidence of acute neonatal respiratory disorders in relation to mode of delivery. Nielsen TF, et al. **Acta Obstet Gynecol Scand** 1984;63(2):109–14
Variations in the effect of epidural morphine in gynecological and obstetric patients. Niv D, et al. **Acta Obstet Gynecol Scand** 1983;62(5):455–9
Some notes on the hormonal and haemodynamic responses to stressful stimuli. Werner O. **Acta Obstet Gynecol Scand [Suppl]** 1984;118:107–9
General anaesthesia versus epidural block for caesarean section in patient with pre–eclampsia. Willdeck–Lund G. **Acta Obstet Gynecol Scand [Suppl]** 1984;118:117–9
Vaginal delivery following cesarean section: use of oxytocin augmentation and epidural anesthesia with internal tocodynamic and internal fetal monitoring. Flamm BL, et al. **Am J Obstet Gynecol** 1984 Mar 15;148(6):759–63
Maternal and umbilical venous plasma immunoreactive beta–endorphin levels during labor with and without epidural analgesia. Jouppila R, et al. **Am J Obstet Gynecol** 1983 Dec 1;147(7):799–802
Second stage of labour with or without extradural analgesia [letter] Bailey PW. **Anaesthesia** 1984 Feb;39(2):191–2
Epidural analgesia by infusion [letter] Caldwell JE, et al. **Anaesthesia** 1984 May;39(5):493–4
McArdle's disease. Problems of anaesthetic management for Caesarean section. Coleman P. **Anaesthesia** 1984 Aug; 39(8):784–7
Epidural versus intramuscular fentanyl. Analgesia and pharmacokinetics in labour. Justins DM, et al. **Anaesthesia** 1983 Oct;38(10):937–42
Enflurane as an analgesic in labour. McGuinness C, et al. **Anaesthesia** 1984 Jan;39(1):24–6
Nitrous oxide and termination of pregnancy [letter] Mikhael M, et al. **Anaesthesia** 1983 Nov;38(11):1103–4
Obstetric analgesia, anaesthesia and the Apgar score. Murphy JF, et al. **Anaesthesia** 1984 Aug;39(8):760–3
Second stage of labour with or without extradural analgesia. Phillips KC, et al. **Anaesthesia** 1983 Oct;38(10):972–6
Epidural analgesia in labour and maternal posture. Rickford WJ, et al. **Anaesthesia** 1983 Dec;38(12):1169–74
Extradural analgesia and ichthyosis. Smart G, et al. **Anaesthesia** 1984 Feb;39(2):161–2
Anaesthesia for fetal surgery. Spielman FJ, et al. **Anaesthesia** 1984 Aug;39(8):756–9
Epidural analgesia and instrumental delivery [letter] Thorburn J, et al. **Anaesthesia** 1984 Aug;39(8):842
Maternal position during induction of anaesthesia for Caesarean section [letter] Zych Z. **Anaesthesia** 1983 Oct; 38(10):1006
Continuous infusion epidural analgesia in parturients receiving bupivacaine, chloroprocaine, or lidocaine—maternal, fetal, and neonatal effects. Abboud TK, et al. **Anesth Analg** 1984 Apr;63(4):421–8
Succinylcholine in obstetrics [letter] Donati F, et al. **Anesth Analg** 1983 Nov;62(11):1051–2
Droperidol and spinal anesthesia [letter] Fortuna A. **Anesth Analg** 1984 Aug;63(8):782
Maternal and neonatal effects of epidural morphine for labor and delivery. Hughes SC, et al. **Anesth Analg** 1984 Mar; 63(3):319–24
Neonatal neurobehavioral responses after epidural anesthesia for cesarean section using lidocaine and bupivacaine. Kileff ME, et al. **Anesth Analg** 1984 Apr;63(4):413–7
Effects of maternal epidural anesthesia on neonatal behavior. Kuhnert BR, et al. **Anesth Analg** 1984 Mar;63(3):301–8
Maternal and neonatal elimination of CABA after epidural anesthesia with 2–chloroprocaine during parturition. Kuhnert BR, et al. **Anesth Analg** 1983 Dec;62(12):1089–94
Concentrations of lactate and pyruvate in maternal and neonatal blood with different intravenous fluids used for prehydration before epidural anesthesia. Ramanathan S, et al. **Anesth Analg** 1984 Jan;63(1):69–74
Management of cholinesterase inhibitor poisoning in obstetrics [letter] Sosis M, et al. **Anesth Analg** 1983 Dec; 62(12):1135–6
Intrathecal morphine for relief of labor pain in a parturient with severe pulmonary hypertension. Abboud TK, et al. **Anesthesiology** 1983 Nov;59(5):477–9
Epinephrine should be used with the therapeutic dose of bupivacaine in obstetrics [letter] Albright GA. **Anesthesiology** 1984 Aug;61(2):217–9
Neonatal pattern of breathing following cesarean section: epidural versus general anesthesia. Fisher JT, et al. **Anesthesiology** 1983 Nov;59(5):385–9
Prophylaxis against acid aspiration syndrome in obstetric practice [letter] Gillett GB, et al. **Anesthesiology** 1984 May; 60(5):525
Minute ventilation and oxygen consumption during labor with epidural analgesia. Hägerdal M, et al. **Anesthesiology** 1983 Nov;59(5):425–7
Potential interactions between cimetidine and amide local anesthetics in obstetrics [letter] Moir CL, et al. **Anesthesiology** 1984 May;60(5):507–9
More about d–tubocurarine and succinylcholine in obstetrics [letter] Sellers WF, et al. **Anesthesiology** 1984 May; 60(5):506
Further suggestions on epidural spread in pregnancy [letter] Sosis M, et al. **Anesthesiology** 1983 Dec;59(6):600–1
Obstetric analgesia: pharmacokinetics and its relation to neonatal behavioral and adaptive functions. Kanto J, et al. **Biol Res Pregnancy Perinatol** 1984;5(1):23–35 (94 ref.)
The pre–anaesthesia fasting period [letter] Crawford JS. **Br J Anaesth** 1984 Aug;56(8):925–6
General anaesthesia for caesarean section in severe pre–eclampsia. Comparison of the renal and hepatic effects of enflurane and halothane. Crowhurst JA, et al. **Br J Anaesth** 1984 Jun;56(6):587–97
Measurement of the depth to the extradural space using ultrasound. Currie JM. **Br J Anaesth** 1984 Apr;56(4):345–7
Use of atracurium in caesarean section. Flynn PJ, et al. **Br J Anaesth** 1984 Jun;56(6):599–605
Anaesthesia for caesarean section and the Jervell, Lange–Nielson syndrome (prolonged Q–T interval syndrome). Freshwater JV. **Br J Anaesth** 1984 Jun; 56(6):655–7
Maternal and umbilical cord plasma noradrenaline concentrations during labour with and without segmental extradural analgesia, and during caesarean section. Jouppila R, et al. **Br J Anaesth** 1984 Mar;56(3):251–5
Caesarean section under extradural analgesia in a patient with Ebstein's anomaly. Linter SP, et al. **Br J Anaesth** 1984 Feb; 56(2):203–5
Fetal–neonatal status following caesarean section for fetal distress. Marx GF, et al. **Br J Anaesth** 1984 Sep; 56(9):1009–13
Anaesthesia for caesarean section. A medical audit of junior anaesthetic staff practice. Morgan BM, et al. **Br J Anaesth** 1983 Sep;55(9):885–9
'Failed intubation' in obstetric anaesthesia. An indication for use of the 'Esophageal Gastric Tube Airway'. Tunstall ME, et al. **Br J Anaesth** 1984 Jun;56(6):659–61
Caesarean section under epidural analgesia. Morgan H. **Br J Hosp Med** 1983 Sep;30(3):179–80, 182–3 (37 ref.)
Maternal and cord plasma concentrations of beta–lipotrophin, beta–endorphin and gamma–lipotrophin at delivery; effect of analgesia. Browning AJ, et al. **Br J Obstet Gynaecol** 1983 Dec;90(12):1152–6
Fetal circulation during epidural analgesia for caesarean section. Lindblad A, et al. **Br Med J [Clin Res]** 1984 May 5;288(6427):1329–30
Epidural morphine does not affect the duration of action of epidural 2–chloroprocaine following Caesarean section. Brooks GZ, et al. **Can Anaesth Soc J** 1983 Nov; 30(6):598–602
Placental transport of metoclopramide: assessment of maternal and neonatal effects. Bylsma–Howell M, et al. **Can Anaesth Soc J** 1983 Sep;30(5):487–92
Anaesthesia for caesarean section and cerebral aneurysm clipping. Conklin KA, et al. **Can Anaesth Soc J** 1984 Jul; 31(4):451–4
Cell–mediated immune suppression due to alfathesin in short–term anaesthesia. Rosenfeld A, et al. **Can Anaesth Soc J** 1983 Sep;30(5):522–5
The effect of halothane anaesthesia on the asphyxiated foetal lamb in utero. Yarnell R, et al. **Can Anaesth Soc J** 1983 Sep;30(5):474–9
Effectiveness of epidural anesthesia [letter] Potyrak CJ, et al. **Can Med Assoc J** 1984 Jul 15;131(2):100–1
Anesthesia for obstetric emergencies. Shaw DB, et al. **Clin Obstet Gynecol** 1984 Mar;27(1):112–24
Obstetric analgesia and immunoreactive endorphin peptides in maternal plasma during labor. Riss PA, et al. **Gynecol Obstet Invest** 1984;17(3):127–30
Epidural and intrathecal opiates in obstetrics. Kanto J, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 Jun;22(6):316–23 (65 ref.)
Neonatal outcome in cesarean section under general anesthesia, related to gestational age, induction–delivery and uterus–delivery intervals. Vatashsky E, et al. **Isr J Med Sci** 1983 Dec;19(12):1059–63
Childbirth preparation at urban clinics. Greenfield DS, et al. **J Am Med Wom Assoc** 1981 Dec;36(12):370–6
Use of butorphanol tartrate in balanced anesthesia. D'Angelo VF. **J Am Osteopath Assoc** 1983 Aug;82(12):907–13
Maternal and fetal effects of low–dosage bupivacaine paracervical block. Puolakka J, et al. **J Perinat Med** 1984; 12(2):75–84
Anaesthetic morbidity following caesarean section under epidural or general anaesthesia. Morgan BM, et al. **Lancet** 1984 Feb 11;1(8372):328–30
Regional anesthesia. Clark RB. **Obstet Gynecol Annu** 1984; 13:153–79 (78 ref.)
[Anesthesia and resuscitation of pregnant women with diabetes during cesarean section] Mincheva–Saeva M, et al. **Akush Ginekol (Sofiia)** 1984;23(1):57–62 (Eng. Abstr.) (Bul)
[Congenital anomaly of serum pseudocholinesterase originating in neonatal respiratory distress] Schoeffler P, et al. **Ann Fr Anesth Reanim** 1984;3(3):225–7 (Eng. Abstr.) (Fre)
[Obstetric peridural analgesia at the Nyon district hospital: 1981–1983] Suppan P. **Rev Med Suisse Romande** 1983 Oct; 103(10):851–8 (Fre)
[Obstetric anesthesia at the Clinic of Montchoisi, Lausanne: 1972–1982] Waldvogel HH. **Rev Med Suisse Romande** 1983 Oct;103(10):841–9 (Fre)
[Ranitidine for premedication in obstetric anesthesia. Possibilities and limitations for prevention of Mendelson syndrome] Jost U. **Anasth Intensivther Notfallmed** 1983 Dec;18(6):301–4 (Eng. Abstr.) (Ger)
[General anesthesia or peridural anesthesia in primary cesarean section; a comparative study] Kraus H, et al. **Z Geburtshilfe Perinatol** 1983 Jul–Aug;187(4):194–9 (Eng. Abstr.) (Ger)
[Effect of pethidine administration on transcutaneous oxygen pressure in the fetus and pulmonary adaptation post natum] Eichhorn KH, et al. **Zentralbl Gynakol** 1984;106(2):126–33 (Eng. Abstr.) (Ger)
[Obstetrical neuroleptanalgesia as a procedure for pain control in the peripartal period of the problem patient] Laube R, et al. **Zentralbl Gynakol** 1983;105(23):1537–41 (Eng. Abstr.) (Ger)
[Effect of epidural analgesia on labor] Samberg I, et al. **Harefuah** 1983 Apr 15;104(8):321–5 (Heb)
[Ketamine concentration in maternal and fetal blood during anesthesia for cesarean section. Toxicological evaluation] Audibert GB, et al. **Minerva Anestesiol** 1984 Mar; 50(3):59–62 (Eng. Abstr.) (Ita)
[General anesthesia for cesarean section in a patient with Eisenmenger syndrome] Furuya H, et al. **Masui** 1983 Oct; 32(10):1269–73 (Eng. Abstr.) (Jpn)
[Characteristics of the electric activity of the brain in parturients following the use of central electroanalgesia and promedol during labor] Kastrubin EM, et al. **Akush Ginekol (Mosk)** 1984 Jul;(7):42–4 (Eng. Abstr.) (Rus)
[Effect of ketamine anesthesia during cesarean section on central hemodynamics in the parturient] Lantsev EA, et al. **Akush Ginekol (Mosk)** 1983 Aug;(8):51–4 (Eng. Abstr.) (Rus)
[Effect of sodium oxybutyrate on changes in the electrolyte balance and acid–base equilibrium in labor] Miroshnichenko VP, et al. **Akush Ginekol (Mosk)** 1983 Aug;(8):31–2 (Eng. Abstr.) (Rus)
[Characteristics of anesthesiological assistance for parturients with myasthenia gravis] Rasstrigin NN, et al. **Akush Ginekol (Mosk)** 1984 Jul;(7):37–40 (Eng. Abstr.) (Rus)
[Effect of anesthesia on the gas exchange status of the mother, fetus and newborn infant during cesarean section] Rasstrigin NN, et al. **Anesteziol Reanimatol** 1984 Mar–Apr; (2):13–8 (Eng. Abstr.) (Rus)
[Total abruption of the placenta in elective cesarean section during epidural blockade] Willdeck–Lund G, et al. **Lakartidningen** 1984 May 2;81(18):1816–7 (Swe)

ADVERSE EFFECTS

Total spinal or massive subdural? [letter] Russell IF. **Anaesth Intensive Care** 1983 Nov;11(4):386–8
The bupivacaine controversy [letter] Beeby DG, et al. **Anaesthesia** 1984 Aug;39(8):841
Unexplained pain during epidural analgesia [letter] Edwards GM, et al. **Anaesthesia** 1984 Feb;39(2):194
Emphysema of the neck after epidural anaesthesia [letter] Kilpatrick SM. **Anaesthesia** 1984 May;39(5):499–500
A migrating epidural cannula [letter] Park R. **Anaesthesia** 1984 Mar;39(3):289
A rare complication of extradural analgesia. Pearson RM. **Anaesthesia** 1984 May;39(5):460–3
Extensive spread of local anaesthetic solution following subdural insertion of an epidural catheter during labour. Smith GB, et al. **Anaesthesia** 1984 Apr;39(4):355–8
Epidural analgesia and instrumental delivery. Walton P, et

al. **Anaesthesia** 1984 Mar;39(3):218–23
Unusual clinical course of accidental subdural local anesthetic injection. Manchanda VN, et al. **Anesth Analg** 1983 Dec; 62(12):1124–6
Prophylactic use of droperidol for control of nausea and vomiting during spinal anesthesia for cesarean section. Santos A, et al. **Anesth Analg** 1984 Jan;63(1):85–7
Accidental dural puncture [letter] Abouleish EI, et al. **Br J Anaesth** 1984 Jun;56(6):668–9
Bupivacaine toxicity in association with extradural analgesia for caesarean section. Thorburn J, et al. **Br J Anaesth** 1984 May;56(5):551–3
Caesarean section under epidural analgesia [letter] **Br J Hosp Med** 1983 Dec;30(6):438
Oxytocin deficiency at delivery with epidural analgesia. Bailey PW, et al. **Br J Obstet Gynaecol** 1983 Oct; 90(10):988–90
Foetal responses to acute haemorrhage under halothane anaesthesia. Ong BY, et al. **Can Anaesth Soc J** 1984 Mar; 31(2):123–9
Epidural anesthesia and the course of labor and delivery. Eggertsen SC, et al. **J Fam Pract** 1984 Feb;18(2):309–13
Obstetrics malpractice action; intestinal ailment award; breast cancer case. George JE, et al. **J Med Soc NJ** 1984 Jun; 81(6):456–7
Fetal heart rate pattern and postparacervical fetal bradycardia. LeFevre ML. **Obstet Gynecol** 1984 Sep; 64(3):343–6
Report of Committee on Maternal and Child Health: a maternal death associated with toxemia and an anesthetic. Gibbs CE. **Tex Med** 1983 Dec;79(12):50
[Lumbago and epidural analgesia in obstetrics] Neff R. **Rev Med Suisse Romande** 1983 Oct;103(10):859–65 **(Fre)**
[Treatment of headaches secondary to dura mater punctures using an epidural path of autologous blood] Zafrani V, et al. **Rev Med Panama** 1984 May;9(2):136–40 (Eng. Abstr.) **(Spa)**

HISTORY

The first experiment in obstetrical anesthesia [letter] Defalque RJ. **Anesth Analg** 1983 Dec;62(12):1136

INSTRUMENTATION

A modification of a standard laryngoscope for difficult tracheal intubation in obstetric cases. Jellicoe JA, et al. **Anaesthesia** 1984 Aug;39(8):800–2
Systems modification in obstetric analgesia. Levack ID, et al. **Anaesthesia** 1984 Feb;39(2):183–5
Postoperative analgesia in hip surgery. A controlled comparison of epidural buprenorphine with intramuscular morphine. Murphy DF, et al. **Anaesthesia** 1984 Feb; 39(2):181–3

METHODS

Obstetrical paracervical block with chloroprocaine [letter] Philipson EH. **Acta Obstet Gynecol Scand** 1984;63(2):187
The effects of mode of delivery and type of anesthesia on the response of human chorionic plate arteries to prostaglandin E2. Parkin A, et al. **Am J Obstet Gynecol** 1984 Jul 1;149(5):573–4
Total spinal or massive subdural? [letter] Goodison R. **Anaesth Intensive Care** 1984 May;12(2):175–7
Forum. A comparison between the midline and paramedian approaches to the extradural space. Griffin RM, et al. **Anaesthesia** 1984 Jun;39(6):584–6
Low dose intrathecal morphine for caesarean section [letter] Kadieva VS, et al. **Anaesthesia** 1983 Dec;38(12):1229–30
Should precurarization be used in obstetrics? [letter] Conklin KA. **Anesthesiology** 1984 Apr;60(4):384
Combined cesarean section and clipping of intracerebral aneurysm. Lennon RL, et al. **Anesthesiology** 1984 Mar; 60(3):240–2
Airway management in the parturient [letter] Parker EO 3d. **Anesthesiology** 1984 Feb;60(2):167–8
Segmental epidural analgesia – a modern method for safe and effective management of labor pains. Kanto J, et al. **Biol Res Pregnancy Perinatol** 1983;4(4):172–6
An efficient technique for performing extradural blockade [letter] Sosis M, et al. **Br J Anaesth** 1984 Aug;56(8):928–9
Obstetrical anaesthesia update—1984. Biehl DR. **Can Anaesth Soc J** 1984 May;31(3 Pt 2):S23–7
Caesarean section in a patient with Cushing's syndrome. Glassford J, et al. **Can Anaesth Soc J** 1984 Jul;31(4):447–50
Trial by media: the bupivacaine story [editorial] Writer WD, et al. **Can Anaesth Soc J** 1984 Jan;31(1):1–4 **(Eng, Fre)**
Pain in labour. **Eur J Obstet Gynecol Reprod Biol** 1983 Aug; 15(4–6):351–66
Pain relief during labor. Oriol N, et al. **Hosp Pract [Off]** 1984 Sep;19(9):151, 154–5, 159 passim
Intermittent drug administration during labor and protection of the fetus. Hernandez Sande C, et al. **IEEE Trans Biomed Eng** 1983 Sep;30(9):615–9
Epidural anesthesia in labor. Various agents employed. Smith CM. **JOGN Nurs** 1984 Jan–Feb;13(1):17–21
Anaesthesia for caesarean section [editorial] **Lancet** 1983 Nov 5;2(8358):1064–5
Hyperbaric intrathecal morphine analgesia during labor in a patient with Wolff–Parkinson–White syndrome. Brizgys RV, et al. **Obstet Gynecol** 1984 Sep;64(3 Suppl):44S–46S
Pregnancy after spinal cord injury [letter] McCunniff DE, et al. **Obstet Gynecol** 1984 May;63(5):757–8
Total intravenous anaesthesia using low-dose ketamine infusion for caesarean section. A comparison with a standard inhalation anaesthetic technique. Mankowitz E, et al. **S Afr Med J** 1984 Feb 18;65(7):246–50
Anaesthesia for caesarean section in a patient with syringomyelia. A case report. Roelofse JA, et al. **S Afr Med J** 1984 May 5;65(18):736–7
[Ketalar–diazepam anesthesia in the postoperative period in obstetrical and gynecological operations] Smilov I, et al. **Akush Ginekol (Sofiia)** 1983;22(3):185–9 (Eng. Abstr.) **(Bul)**
[Obstetrical hypnorelaxation] Bertrand P. **Actual Odontostomatol (Paris)** 1983 Dec;144:831–44 **(Fre)**
[Epidural anesthesia using the bupivacaine–fentanyl combination for cesarean section] Milon D, et al. **Ann Fr Anesth Reanim** 1983;2(4):273–9 (Eng. Abstr.) **(Fre)**
[Thr value of continuous lumbal peridural anesthesia (based on 2606 cases)] Domino E, et al. **Orv Hetil** 1983 Oct 2; 124(40):2417–21 (Eng. Abstr.) **(Hun)**
[Cardiotocographic evaluation of deliveries under continuous epidural anesthesia] Robaczyński J, et al. **Ginekol Pol** 1983 Jun;54(6):401–6 (Eng. Abstr.) **(Pol)**

UTILIZATION

[Epidural anesthesia during labor in Norway] Hoel TM, et al. **Tidsskr Nor Laegeforen** 1984 May 30;104(15):1038–41 (Eng. Abstr.) **(Nor)**

ANESTHESIA, PERIDURAL see **ANESTHESIA, EPIDURAL**

ANESTHESIA, RECTAL

[Comparison of midazolam and flunitrazepam as premedication administered rectally in infants] Julia JM, et al. **Ann Fr Anesth Reanim** 1984;3(3):185–8 (Eng. Abstr.) **(Fre)**
[Premedication using intrarectal midazolam. Study of effective dosage in pediatric anesthesia] Saint-Maurice C, et al. **Ann Fr Anesth Reanim** 1984;3(3):181–4 (Eng. Abstr.) **(Fre)**

ANESTHESIA, REFRIGERATION see **HYPOTHERMIA, INDUCED**

ANESTHESIA, REGIONAL see **ANESTHESIA, CONDUCTION**

ANESTHESIA, SPINAL

Spinal anesthesia in sheep with local anesthetic solutions at pH 4 and pH 7. Adams HJ, et al. **Acta Anaesthesiol Scand** 1984 Jun;28(3):270–2
The modifying effect of spinal anaesthesia on intra- and postoperative adrenocortical and hyperglycaemic response to surgery. Møller IW, et al. **Acta Anaesthesiol Scand** 1984 Jun;28(3):266–9
Isobaric bupivacaine for spinal anaesthesia in acute war injuries. Bion JF. **Anaesthesia** 1984 Jun;39(6):554–9
The anaesthetic management of bone marrow harvest for transplantation. Filshie J, et al. **Anaesthesia** 1984 May; 39(5):480–4
Anaesthesia for lower limb amputation. A comparison of spinal analgesia and general anaesthesia in the elderly. Mann RA, et al. **Anaesthesia** 1983 Dec;38(12):1185–91
Hepatic metabolic ability during anaesthesia. Evaluation of antipyrine half-lives and their relation to enflurane metabolism. Oikkonen M, et al. **Anaesthesia** 1984 Jul; 39(7):660–5
Intradural morphine and diamorphine. Dose response studies. Paterson GM, et al. **Anaesthesia** 1984 Feb;39(2):113–7
Lorazepam as a premedicant for regional anaesthesia. Russell WJ. **Anaesthesia** 1983 Nov;38(11):1062–5
Vasoconstrictors in spinal anesthesia with tetracaine—a comparison of epinephrine and phenylephrine. Concepcion M, et al. **Anesth Analg** 1984 Feb;63(2):134–8
Effects of epinephrine on lidocaine spinal anesthesia [letter] Denson DD, et al. **Anesth Analg** 1984 May;63(5):542–3
Pharmacokinetics and neural blockade after subarachnoid lidocaine in the rhesus monkey. III. Effects of phenylephrine. Denson DD, et al. **Anesth Analg** 1984 Feb; 63(2):129–33
Droperidol and spinal anesthesia [letter] Fortuna A. **Anesth Analg** 1984 Aug;63(8):782
Uptake and elimination of local anesthetics during spinal anesthesia. Greene NM. **Anesth Analg** 1983 Nov; 62(11):1013–24 (20 ref.)
Spinal anesthesia for high-risk neonate [letter] Mayhew JF, et al. **Anesth Analg** 1984 Aug;63(8):782
Objective evaluation of clinical performance and correlation with knowledge. Sivarajan M, et al. **Anesth Analg** 1984 Jun;63(6):603–7
Intrathecal morphine for relief of labor pain in a parturient with severe pulmonary hypertension. Abboud TK, et al. **Anesthesiology** 1983 Nov;59(5):477–9
Spinally administered epinephrine suppresses noxiously evoked activity of WDR neurons in the dorsal horn of the spinal cord. Collins JG, et al. **Anesthesiology** 1984 Apr; 60(4):269–75
The effects of subarachnoid lidocaine and phenylephrine on spinal cord and cerebral blood flow in dogs. Dohi S, et al. **Anesthesiology** 1984 Sep;61(3):238–44
Pharmacokinetic aspects of intrathecal morphine analgesia. Nordberg G, et al. **Anesthesiology** 1984 May;60(5):448–54
Spinal anaesthesia with glucose-free 0.5% bupivacaine: effects of different volumes. Axelsson KH, et al. **Br J Anaesth** 1984 Mar;56(3):271–8
Subarachnoid blockade with bupivacaine. A comparison with cinchocaine. Cummings GC, et al. **Br J Anaesth** 1984 Jun; 56(6):573–9
Comparison of the i.v. administration of midazolam and diazepam as sedation during spinal anaesthesia. McClure JH, et al. **Br J Anaesth** 1983 Nov;55(11):1089–93
Long-term outcome after repair of fractured neck of femur. Comparison of subarachnoid and general anaesthesia. McKenzie PJ, et al. **Br J Anaesth** 1984 Jun;56(6):581–5
Influence of age on spinal anaesthesia with isobaric 0.5% bupivacaine. Pitkänen M, et al. **Br J Anaesth** 1984 Mar; 56(3):279–84
Chlormethiazole infusion in elderly patients undergoing spinal anaesthesia [letter] Seow LT, et al. **Br J Anaesth** 1984 Jun;56(6):666–8
Subarachnoid anaesthesia: comparison of hyperbaric solutions of bupivacaine and amethocaine. Skretting P, et al. **Br J Anaesth** 1984 Feb;56(2):155–9
Maternal and fetal effects of low-dosage bupivacaine paracervical block. Puolakka J, et al. **J Perinat Med** 1984; 12(2):75–84
Spinal and general anesthesia [letter] Scalia SV. **JAMA** 1983 Oct 14;250(14):1842
Hyperbaric intrathecal morphine analgesia during labor in a patient with Wolff–Parkinson–White syndrome. Brizgys RV, et al. **Obstet Gynecol** 1984 Sep;64(3 Suppl):44S–46S
[Spinal anesthesia and multiple sclerosis] Bouchard P, et al. **Ann Fr Anesth Reanim** 1984;3(3):194–8 (Eng. Abstr.) **(Fre)**
[Intrathecal pethidine. Comparison with a local anesthetic (letter)] Ragot P, et al. **Ann Fr Anesth Reanim** 1984;3(2):143 **(Fre)**
[pH and buffer capacity of cerebrospinal fluid after spinal anesthesia] Biscoping J, et al. **Reg Anaesth** 1983 Oct; 6(4):76–9 (Eng. Abstr.) **(Ger)**
[Blood and cerebrospinal fluid levels of bupivacaine in spinal anesthesia] Dennhardt R, et al. **Reg Anaesth** 1983 Oct; 6(4):72–5 (Eng. Abstr.) **(Ger)**
[Observations on a case of frostbite] D'Arcangelo GV, et al. **Minerva Anestesiol** 1984 Jan–Feb;50(1–2):13–8 (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

Subdural haematoma. A rare but life-threatening complication after spinal anaesthesia. Rudehill A, et al. **Acta Anaesthesiol Scand** 1983 Oct;27(5):376–7
Epidural abscess following multiple spinal anaesthetics. Beaudoin MG, et al. **Anaesth Intensive Care** 1984 May; 12(2):163–4
Total spinal or massive subdural? [letter] Russell IF. **Anaesth Intensive Care** 1983 Nov;11(4):386–8
Pruritus following spinal anaesthesia. Cashman JN. **Anaesthesia** 1984 Mar;39(3):248–50
Phantom limb pain during spinal anaesthesia. Recurrence in amputees. Mackenzie N. **Anaesthesia** 1983 Sep;38(9):886–7
Pruritus following spinal anaesthesia [letter] May S. **Anaesthesia** 1984 Aug;39(8):840–1
Phantom limb pain and spinal anaesthesia [letter] Murphy JP, et al. **Anaesthesia** 1984 Feb;39(2):188
Nausea and vomiting during spinal anaesthesia. Effect of metoclopramide and domperidone: a double-blind trial. Spelina KR, et al. **Anaesthesia** 1984 Feb;39(2):132–7
Chloroprocaine not absolved of neurotoxicity [letter] Moore DC. **Anesth Analg** 1984 May;63(5):544–6
Precordial chest pain during spinal or epidural anesthesia [letter] Ravindran RS, et al. **Anesth Analg** 1983 Dec; 62(12):1134
Prophylactic use of droperidol for control of nausea and vomiting during spinal anesthesia for cesarean section. Santos A, et al. **Anesth Analg** 1984 Jan;63(1):85–7
Use of spinal anesthesia in patients with idiopathic hypertrophic subaortic stenosis [letter] Larson CP Jr. **Anesthesiology** 1984 Aug;61(2):229
Adverse effects of spinal anesthesia in a patient with idiopathic hypertrophic subaortic stenosis. Loubser P, et al. **Anesthesiology** 1984 Mar;60(3):228–30
Hypoacousis after spinal anaesthesia [letter] **Lancet** 1983 Oct 1;2(8353):793
Report of Committee on Maternal and Child Health: a maternal death associated with toxemia and an anesthetic. Gibbs CE. **Tex Med** 1983 Dec;79(12):50
[Accidental overdose of intrathecal morphine. Treatment with intravenous naloxone alone] Perrot G, et al. **Ann Fr Anesth Reanim** 1983;2(6):412–4 (Eng. Abstr.) **(Fre)**
[Intrathecal morphine and respiratory insufficiency (letter)] Starkman M, et al. **Ann Fr Anesth Reanim** 1984;3(3):237 **(Fre)**
[Effect of spinal anesthesia on the function of the lower urinary tract] Rupieper N, et al. **Intensivmed Prax** 1983 Oct;6:73–7 **(Ger)**
[Treatment of headaches secondary to dura mater punctures using an epidural path of autologous blood] Zafrani V, et al. **Rev Med Panama** 1984 May;9(2):136–40 (Eng. Abstr.) **(Spa)**

INSTRUMENTATION

Introducers for 25-gauge spinal needles [letter] McLeskey CH. **Anesth Analg** 1983 Nov;62(11):1046–7
Inability to inject local anesthetic into the subarachnoid space [letter] Rubin AS, et al. **Anesth Analg** 1984 Aug;63(8):783

METHODS

Total spinal or massive subdural? [letter] Goodison R. **Anaesth Intensive Care** 1984 May;12(2):175–7
A comparison of hyper- and isobaric solutions of bupivacaine for subarachnoid block. Phelan DM, et al. **Anaesth Intensive Care** 1984 May;12(2):101–7
Failure of IV atropine to abolish nasal irritation caused by chlormethiazole infusion in elderly patients undergoing spinal anaesthesia. Seow LT, et al. **Anaesth Intensive Care** 1984 May;12(2):127–30
Low dose intrathecal morphine for caesarean section [letter] Kadieva VS, et al. **Anaesthesia** 1983 Dec;38(12):1229–30
Spinal anesthesia for surgery in the high-risk infant. Abajian JC, et al. **Anesth Analg** 1984 Mar;63(3):359–62
Comparison of neural blockade and pharmacokinetics after subarachnoid lidocaine in the rhesus monkey. II: Effects of volume, osmolality, and baricity. Denson DD, et al. **Anesth Analg** 1983 Nov;62(11):995–1001
The subdural space [letter] Barros S. **Br J Anaesth** 1983 Oct; 55(10):1043
Hypobaric spinal anesthesia in the operative management of orthopedic emergencies in geriatric patients. Sidi A, et al. **Isr J Med Sci** 1984 Jul;20(7):589–92
[Comparison of pethidine and prilocaine for spinal anesthesia in 100 urologic operations] Ragot P, et al. **Agressologie** 1984 Jan;25(1):29–32 (Eng. Abstr.) **(Fre)**
[Spinal anesthesia with bupivacaine. Comparative study of 2 hyperbaric and isobaric solutions] Vernhiet J, et al. **Ann Fr Anesth Reanim** 1984;3(4):252–5 (Eng. Abstr.) **(Fre)**
[Experience with spinal anesthesia using pethidine in the surgery of vesicovaginal fistula in African women (30 cases)] Saissy JM. **Med Trop (Mars)** 1984 Jan–Mar; 44(1):61–4 (Eng. Abstr.) **(Fre)**
[Subarachnoid anesthesia in minor gynecological interventions in high-risk patients] Memè E, et al. **Minerva Anestesiol** 1984 Apr;50(4):137–41 (Eng. Abstr.) **(Ita)**
[Experience with subarachnoid anesthesia using 0.50% bupivacaine in elderly orthopedic patients] Seymand M, et al. **Minerva Anestesiol** 1983 Nov;49(11):645–7 (Eng. Abstr.) **(Ita)**
[Spinal anesthesia for dystrophia myotonica] Matsubara Y, et al. **Masui** 1983 Nov;32(11):1401–5 (Eng. Abstr.) **(Jpn)**

PSYCHOLOGY

A patient's description of his spinal anesthetic: the need for reassurance [letter] Ramsey JN. **Anesthesiology** 1984 May; 60(5):520

TRENDS

Subarachnoid spinal analgesia. Changing patterns of practice. Robertson DH. **Br J Anaesth** 1983 Nov;55(11):1141–7

VETERINARY

Continuous caudal epidural and subarachnoid anesthesia in mares: a comparative study. Skarda RT, et al. **Am J Vet Res** 1983 Dec;44(12):2290–8

ANESTHESIOLOGY

T and B lymphocyte function in anaesthetists. Salo M, et al. **Acta Anaesthesiol Scand** 1984 Jun;28(3):292–5
Suicides amongst anaesthetists-in-training [letter] **Anaesthesia** 1984 Jun;39(6):613–5
Expectations and experiences of anaesthesia in a District General Hospital. Clifton PJ. **Anaesthesia** 1984 Mar; 39(3):281–5
Overseas visits by Western anaesthetists—their value or otherwise [editorial] Dundee JW. **Anaesthesia** 1984 Apr; 39(4):305–6
A multicenter study of the prevalence of hepatitis B viral serologic markers in anesthesia personnel. Berry AJ, et al. **Anesth Analg** 1984 Aug;63(8):738–42
Quality assurance in anesthesiology—the problem-oriented audit. Brown EM. **Anesth Analg** 1984 Jun;63(6):611–5
Authorship of articles in the anesthetic literature [letter] Fink BR. **Anesth Analg** 1984 Mar;63(3):374–5
Unusual reaction to methyl methacrylate monomer [letter] Lee CM. **Anesth Analg** 1984 Mar;63(3):372
Concerning the use and abuse of test doses for epidural anesthesia [letter] Abouleish E, et al. **Anesthesiology** 1984 Sep;61(3):344–6
Foregger 705 malfunction resulting in loss of gas flow. From R, et al. **Anesthesiology** 1984 Sep;61(3):321–2
Systemic reactions to intravascular contrast media. A guide for the anesthesiologist. Goldberg M. **Anesthesiology** 1984 Jan;60(1):46–56 (71 ref.)
Continuous oxygenation during nasotracheal intubation [letter] Goldman E, et al. **Anesthesiology** 1984 Sep;61(3):352
The Rovenstine inheritance—a chain of leadership. Emery A. Rovenstine Memorial Lecture on the occasion of the annual meeting of the American Society of Anesthesiologists. Hershey SG. **Anesthesiology** 1983 Nov; 59(5):453–8
A case for monitoring oxygen in the expiratory limb of the circle [letter] Meyer RM. **Anesthesiology** 1984 Sep; 61(3):347
Addiction and anesthesiology. Spiegelman WG, et al. **Anesthesiology** 1984 Apr;60(4):335–41
Psychometric comparisons of trainees and consultants in anaesthesia and psychiatry. Bruce DL, et al. **Br J Anaesth** 1983 Dec;55(12):1259–64
Exposure to trace amounts of nitrous oxide. Evaluation of urinary gas content monitoring in anaesthetic practice. Sonander H, et al. **Br J Anaesth** 1983 Dec;55(12):1225–9
Viral hepatitis and the anaesthetist. Browne RA, et al. **Can Anaesth Soc J** 1984 May;31(3 Pt 1):279–86 (49 ref.)
Hepatitis B virus antibody prevalence in anaesthetists. Chernesky MA, et al. **Can Anaesth Soc J** 1984 May;31(3 Pt 1):239–45
The anaesthetist and the head-injured patient. Gelb AW, et al. **Can Anaesth Soc J** 1984 Jan;31(1):98–108
Thoughts on the origins of a career in anaesthesia [letter] Minuck M. **Can Anaesth Soc J** 1984 May;31(3 Pt 1):342–3
Medical plan-analysis by computer. Miller PL. **Comput Programs Biomed** 1984 Feb-Apr;18(1–2):15–9
Analysis of anesthetic mishaps. The National Association of Insurance Commissioners' closed claim study. Brunner EA. **Int Anesthesiol Clin** 1984 Summer;22(2):17–30
Medical liability insurance: crisis revisited. O'Leary JF, et al. **Int Anesthesiol Clin** 1984 Summer;22(2):117–31
Factors affecting the choice of anesthesiology by medical students for specialty training. Chandra P, et al. **J Med Educ** 1984 Apr;59(4):323–30
Serum pseudocholinesterase levels in anaesthesiologists and radiologists. Balamoutsos NG, et al. **Methods Find Exp Clin Pharmacol** 1983 Jun;5(5):335–40
Fentanyl citrate abuse among health care professionals. Silsby HD, et al. **Milit Med** 1984 Apr;149(4):227–8
Presentation of Eliasberg Medal to Professor Leroy D. Vandam. Stark DC. **Mt Sinai J Med (NY)** 1983 Jul–Aug; 50(4):323
[Bilateral choanal atresia in the newborn infant. Role of the anesthesiologist] Ekutsu M, et al. **Ann Fr Anesth Reanim** 1984;3(1):49–51 (Eng. Abstr.) **(Fre)**
[Computer records of anesthesiology information. Evaluation of the operative risk] Tartière J, et al. **Ann Fr Anesth Reanim** 1984;3(1):63–75 (Eng. Abstr.) **(Fre)**
[Physician-anesthetists today: an exposed profession] Bussien R, et al. **Rev Med Suisse Romande** 1983 Oct;103(10):905–9 **(Fre)**
[Checklist for quality control of anesthesia equipment and intensive care respirators] Wetzel P, et al. **Anasth Intensivther Notfallmed** 1984 Apr;19(2):86–9 **(Ger)**
[A classification scale for recovery from anesthesia] Cattaneo AD, et al. **Minerva Anestesiol** 1983 Dec;49(12):695–700 (Eng. Abstr.) **(Ita)**
[Effect of long term anesthesia and surgery on endocrine function in anesthesiologists] Kudo M, et al. **Masui** 1983 May;32(5):611–5 (Eng. Abstr.) **(Jpn)**
[Anesthesiologic and resuscitation services to rural inhabitants of the Voronezh Region] Kosonogov LF, et al. **Anesteziol Reanimatol** 1984 Jan-Feb;(1):59–61 (Eng. Abstr.) **(Rus)**

EDUCATION

Programmed multiple choice tests in anaesthesiology and resuscitation. Křiváčková L, et al. **Acta Univ Carol [Med] (Praha)** 1983;29(3–4):233–6
The evolution of continuing education in anaesthesia [editorial] Brown TC. **Anaesth Intensive Care** 1984 May; 12(2):99–100
A computer-based audit of anaesthetic registrar training. Laurenson VG, et al. **Anaesth Intensive Care** 1984 May; 12(2):152–4
Training in intensive care [letter] **Anaesthesia** 1983 Oct; 38(10):1004–5
Suicide amongst anaesthetists-in-training. Helliwell PJ. **Anaesthesia** 1983 Nov;38(11):1097
Anaesthesia and intensive care. One hat or two? [letter] Phelan D. **Anaesthesia** 1983 Oct;38(10):1003
Objective evaluation of clinical performance and correlation with knowledge. Sivarajan M, et al. **Anesth Analg** 1984 Jun;63(6):603–7
Use of microcomputers for teaching [letter] Abramowitz M. **Anesthesiology** 1983 Nov;59(5):489–90
Residents' attitudes toward parents' presence during anesthesia induction in children: does experience make a difference? Hannallah RS, et al. **Anesthesiology** 1984 Jun; 60(6):598–601
ASA preceptorship: success in a rural setting [letter] Petty C. **Anesthesiology** 1984 Jan;60(1):78–9
A useful technique for teaching epidural anesthesia [letter] Thomas PS, et al. **Anesthesiology** 1984 Mar;60(3):263
Part-time higher professional training: an analysis of content. Jenkins J. **Ann R Coll Surg Engl** 1984 Jan;66(1):54–5
General anaesthesia and sedation [letter] Wilson MC. **Br Dent J** 1983 Sep 10;155(5):144
Microcomputers for computer-assisted instruction in anesthesiology. Holley HS, et al. **J Med Educ** 1984 Jun; 59(6):521–2
Anaesthesia in rural areas [letter] **Med J Aust** 1983 Dec 10–24;2(12):599–600
The New Zealand anaesthetic training scheme, 1979–1982. Hutchinson BR. **NZ Med J** 1983 Nov 9;96(743 Pt 2):938–9
[The importance of continuing education in anesthesiology and resuscitation for the development of these specialties inthe Czechoslovak health care system] Pokorný J. **Rozhl Chir** 1984 Jan;63(1):1–5 (Eng. Abstr.) **(Cze)**
[Educational training of anesthesiologists and pilots of airlines—a suggestion for better training of anesthesiologists] Matsuki A. **Masui** 1984 Mar;33(3):323–8 (Eng. Abstr.) **(Jpn)**

HISTORY

Zebulon Mennell. A pioneer of neurosurgical anaesthesia. Hunter AR. **Anaesthesia** 1983 Dec;38(12):1214–6
Silent sleep. Essay review. Davis AB. **Bull Hist Med** 1984 Spring;58(1):111–4
Canadian Anaesthetists' Society Medal. Dr. Richard G.B. Gilbert. **Can Anaesth Soc J** 1983 Sep;30(5):455–7 **(Eng, Fre)**
Forty years onward. Gordon RA. **Can Anaesth Soc J** 1983 Sep;30(5):460–5
Mitchiner memorial lecture. 'Another side of Mars'. Gray TC. **J R Army Med Corps** 1984 Feb;130(1):3–11
First operation under ether anesthesia: a correction [letter] Eavey RD. **N Engl J Med** 1983 Oct 20;309(16):990–1
Edward Gilbert Abbott: enigmatic figure of the ether demonstration. Vandam LD, et al. **N Engl J Med** 1984 Oct 11;311(15):991–4
[Anesthesia in the works of Avicenna and anesthetic technics during the 11th century] Hijazi AR. **Ann Fr Anesth Reanim** 1984;3(1):76–8 (Eng. Abstr.) **(Fre)**
[Recent findings in the study of anesthesiologic history (21). An etymological study of 'masui'] Matsuki A. **Masui** 1983 Aug;32(8):1012–7 **(Jpn)**
[History of anesthesiology and resuscitation in philately] Vaksman IA, et al. **Anesteziol Reanimatol** 1984 Mar–Apr; (2):75–7 **(Rus)**

INSTRUMENTATION

Anaesthesia for developing countries [letter] **Anaesthesia** 1984 Apr;39(4):384–5
Contamination of hypodermic needles in anaesthetic practice. Clarke TN, et al. **Anaesthesia** 1984 Jun;39(6):549–51
A cheap and simple nerve stimulator [letter] Davies R, et al. **Anaesthesia** 1983 Nov;38(11):1100
An anaesthetic sundry trolley [letter] Fleming FW. **Anaesthesia** 1984 Mar;39(3):294–5
Computing in anaesthesia and intensive care. Hunter AR. **Anaesthesia** 1984 May;39(5):487–90
Detection of anesthesia machine faults. Buffington CW, et al. **Anesth Analg** 1984 Jan;63(1):79–82
The pall ultipor breathing circuit filter—an efficient heat and moisture exchanger. Chalon J, et al. **Anesth Analg** 1984 Jun;63(6):566–70
Cross-sensitivity in water vapor in the Engström EMMA. Linstromberg JW, et al. **Anesth Analg** 1984 Jan;63(1):75–8
Oxygen analyzers can detect disconnections [letter] McGarrigle R, et al. **Anesth Analg** 1984 Apr;63(4):464–5
Expiratory valve dysfunction in a semiclosed circle anesthesia circuit—verification by analysis of carbon dioxide waveform. Pyles ST, et al. **Anesth Analg** 1984 May; 63(5):536–7
Hazards of narrow bore tubing in anesthesia machines [letter] Snowdon SL. **Anesth Analg** 1984 Jan;63(1):92–3
Gas analyzer or anesthesia circuit malfunction? Let room air decide [letter] Tyler IL, et al. **Anesth Analg** 1984 Jul; 63(7):702–3
Failed release of an activated oxygen flush valve [letter] Bailey PL. **Anesthesiology** 1983 Nov;59(5):480
An unusual cause for airway obstruction in a young healthy adult [letter] Bishay EG, et al. **Anesthesiology** 1984 Jun; 60(6):610–1
Wasted ventilation measured in vitro with eight anesthetic circuits with and without inline humidification. Coté CJ, et al. **Anesthesiology** 1983 Nov;59(5):442–6
Flowmeter malfunction: effect on delivered anesthetic concentration [letter] Doblar DD, et al. **Anesthesiology** 1984 Aug;61(2):220–2
Failure of keyed agent-specific filling devices [letter] George TM. **Anesthesiology** 1984 Aug;61(2):228–9
Monitoring anesthetic vapor concentrations using a piezoelectric detector: evaluation of the Engstrom EMMA. Hayes JK, et al. **Anesthesiology** 1983 Nov;59(5):435–9
Rebreathing and the Bain circuit. I. [letter] Humphrey D. **Anesthesiology** 1984 Jan;60(1):80–1
Rebreathing and the Bain circuit. II. [letter] Jones CS. **Anesthesiology** 1984 Jan;60(1):81
Safety check for the CPRAM circuit [letter] Robinson S, et al. **Anesthesiology** 1983 Nov;59(5):488–9
Corrections concerning alleged disconnect alarm failure [letter] Schreiber PJ. **Anesthesiology** 1983 Dec;59(6):601
A case for using disposable anesthesia circuitry [letter] Viegas OJ, et al. **Anesthesiology** 1984 Feb;60(2):169
Cleaning and processing anesthesia equipment. Proposed recommended practices. **AORN J** 1984 Jan;39(1):92–3,96–8
Calibration atmosphere generator for operating theatre pollution studies. A system for the controlled production of trace concentrations of inhalation anaesthetics. Gray WM, et al. **Br J Anaesth** 1984 May;56(5):543–50

Anaesthetics. Prior FN. **Br Med J [Clin Res]** 1984 Jun 9; 288(6432):1750–3
A vapourizer interlocking system. Browne RA, et al. **Can Anaesth Soc J** 1983 Nov;30(6):653–4
Rebreathing and the Bain circuit [letter] Imrie DD. **Can Anaesth Soc J** 1983 Nov;30(6):679–81
Results of the Canadian Anaesthetists' Society opinion survey on anaesthetic equipment. Neufeld PD, et al. **Can Anaesth Soc J** 1983 Sep;30(5):469–73
Safety of anaesthesia breathing circuit connectors. Neufeld PD, et al. **Can Anaesth Soc J** 1983 Nov;30(6):646–52
Equipment-related anesthetic incidents. Spooner RB, et al. **Int Anesthesiol Clin** 1984 Summer;22(2):133–47
Computers in anesthesiology—a look ahead. Arnell WJ, et al. **Med Instrum** 1983 Nov–Dec;17(6):393–5
System integration—the need in future anesthesia delivery systems. Saunders RJ, et al. **Med Instrum** 1983 Nov–Dec; 17(6):389–92
The anesthesia machine: current design and alternatives. Waterson CK. **Med Instrum** 1983 Nov–Dec;17(6):379–82
An integrated quality control program for anesthesia equipment. Duberman S, et al. **QRB** 1983 Nov;9(11):328–36
Computer-controlled anesthetic delivery system. Lampert BA, et al. **South Med J** 1984 Aug;77(8):1001–6
[Modifications to a closed circle anesthetic machine for use with dogs and cats having a body mass of less than 10 kg] Stegmann GF. **J S Afr Vet Assoc** 1983 Jun;54(2):127–8 **(Afr)** (Eng. Abstr.)
[Vaporization and vaporizers] Boyer C, et al. **Ann Fr Anesth Reanim** 1984;3(3):XXV–XXXIII **(Fre)**
[Quantitative evaluation of curarization (letter)] Jambou P, et al. **Ann Fr Anesth Reanim** 1984;3(3):239–40 **(Fre)**
[Safety requirements for anesthetic equipments, with special reference to vaporizers] Sato T. **Masui** 1983 Oct; 32(10):1276–80 (Eng. Abstr.) **(Jpn)**
[Elaboration of a chart for recording the degree of pain perception] Durinian RA, et al. **Anesteziol Reanimatol** 1983 Sep–Oct;(5):3–5 (Eng. Abstr.) **(Rus)**

METHODS

Experience with parents' presence during anaesthesia induction in children [letter] Birkhahn JH, et al. **Can Anaesth Soc J** 1983 Nov;30(6):679
[Towards a daily surgical hospital II. Analytical study of the evaluation criteria for Newman's test] Zozime JP, et al. **Agressologie** 1984 Jan;25(1):25–8 (Eng. Abstr.) **(Fre)**
[Sensometry in the evaluation of premedication] Osipova NA, et al. **Anesteziol Reanimatol** 1984 Jan–Feb;(1):54–9 (Eng. Abstr.) **(Rus)**
[Cannulation of the internal jugular vein with a venocat in anesthesiologic and resuscitative practice] Kiradzhiev P, et al. **Khirurgiia (Sofiia)** 1983;36(2):126–33 (Eng. Abstr.) **(Rus)**

STANDARDS

An analysis of major errors and equipment failures in anesthesia management: considerations for prevention and detection. Cooper JB, et al. **Anesthesiology** 1984 Jan; 60(1):34–42
Standards for anesthesia: the issues. Rendell-Baker L. **Contemp Anesth Pract** 1984;8:59–88
Avoiding double standards in anaesthesia [editorial] **Lancet** 1983 Oct 29;2(8357):1009
[The anesthetist and operating room hygiene] Ohgke H, et al. **Anaesthesist** 19..3 Sep;32(9):445–9 (Eng. Abstr.) **(Ger)**
[Frerequisites for carrying out ambulatory anesthesia procedures. Resolutions of the German Society of Anesthesiology and Intensive Care] Opderbecke HW. **Anasth Intensivther Notfallmed** 1983 Dec;18(6):322–3 **(Ger)**

TRENDS

What do we do until the future gets here? Saunders RJ. **Contemp Anesth Pract** 1984;8:237–44
The professionalization of anesthesiology—again. Searle M. **Soc Sci Med** 1984;18(4):323–7
[Surgery and anesthesiology today. Lecture for the opening of the Central European Anesthesia Congress on 13 September 1983] Buff HU. **Anaesthesist** 1984 Apr; 33(4):169–72 **(Ger)**
[Overview of anesthesia—past, present and future] Albert SN. **Masui** 1983 Sep;32(9):1040–5 **(Jpn)**

ANESTHETICS

The decrease of the minimum alveolar anesthetic concentration produced by sufentanil in rats. Hecker BR, et al. **Anesth Analg** 1983 Nov;62(11):987–90
Inotropic and anesthetic potencies of etomidate and thiopental in dogs. Kissin I, et al. **Anesth Analg** 1983 Nov; 62(11):961–5
But what does it do to outcome? [editorial] Roizen MF. **Anesth Analg** 1984 Sep;63(9):789–90
Abstracts of scientific papers: 1984 annual meeting, American Society of Anesthesiologists. **Anesthesiology** 1984 Sep;61(3 Suppl):A1–582
MAC values of mixtures [letter] Bruce DL. **Anesthesiology** 1983 Dec;59(6):599
Osmolarity determines the solubility of anesthetics in aqueous solutions at 37 degrees C. Lerman J, et al. **Anesthesiology** 1983 Dec;59(6):554–8
In defense of volatile anesthetics for short outpatient surgery [letter] Sosis M. **Anesthesiology** 1984 Jun;60(6):605–6
Gas scavenging during bronchoscopy under general anesthesia. Ostfeld E, et al. **Ann Otol Rhinol Laryngol** 1984 Mar–Apr;93(2 Pt 1):146–9
Midazolam for upper gastrointestinal endoscopy. Kawar P, et al. **Ann R Coll Surg Engl** 1984 Jul;66(4):283–5
A model for the interaction of anesthetics with the phospholipid membrane headgroup–interface region. O'Leary TJ. **Biochim Biophys Acta** 1984 Jan 11; 769(1):197–200
Anesthetic–protein interaction. Random versus helix polylysine monolayers and interaction with 1-alkanols. Shibata A, et al. **Biochim Biophys Acta** 1984 May 30; 772(3):383–92
Computer data acquisition system for CO2 response curves. Sherrill DL, et al. **Biomed Sci Instrum** 1984;20:157–60
Comparison between midazolam and thiopentone-based balanced anaesthesia for day-case surgery. Crawford ME, et al. **Br J Anaesth** 1984 Feb;56(2):165–9
New drugs in anaesthesia. Hull CJ. **Br J Hosp Med** 1983 Oct;30(4):273–4, 276
Illicit use of modern volatile anaesthetics. Yamashita M, et al. **Can Anaesth Soc J** 1984 Jan;31(1):76–9
Recovery of waste anesthetic gases. Waterson CK. **Contemp Anesth Pract** 1984;8:109–24
Evaluation of centbucridine for intravenous regional anaesthesia. Suri YV, et al. **Indian J Med Res** 1983 May; 77:722–7
Anaesthetic problems in retinal detachment surgery (an evaluation of 270 anaesthetics). Dash HH, et al. **Indian J Ophthalmol** 1983 Jan;31(1):11–4
Pharmacokinetics and anesthetic potency of a thiopental isomer. Stanski DR, et al. **J Pharm Sci** 1983 Aug; 72(8):937–40
The advantage of adrenaline in local and general anaesthetic breast biopsy. Dixon JM, et al. **J R Coll Surg Edinb** 1983 Sep;28(5):292–4
Anesthetic techniques for cystoscopy in men. Hanno PM, et al. **J Urol** 1983 Dec;130(6):1070–2
Abuse of inhalation anesthetics [letter] Bass M. **JAMA** 1984 Feb 3;251(5):604
Midazolam and fentanyl–fluanisone: assessment of anaesthetic effects in laboratory rodents and rabbits. Flecknell PA, et al. **Lab Anim** 1984 Apr;18(2):143–6
Membrane expansion and inhalation anesthetics. Mean excess volume hypothesis. Mori T, et al. **Mol Pharmacol** 1984 Jan; 25(1):123–30
Clinical experiences with analogues of fentanyl. de Lange S. **Mt Sinai J Med (NY)** 1983 Jul–Aug;50(4):312–5 (27 ref.)
Narcotics. Hug CC Jr. **Mt Sinai J Med (NY)** 1983 Jul–Aug; 50(4):305–7
Continuous intravenous infusion. Prys-Roberts C. **Mt Sinai J Med (NY)** 1983 Jul–Aug;50(4):295–9 (31 ref.)
High-dose fentanyl. Stanley TH. **Mt Sinai J Med (NY)** 1983 Jul–Aug;50(4):308–11
Intravenous anesthesia—history, currency, prospects. Vandam LD. **Mt Sinai J Med (NY)** 1983 Jul–Aug; 50(4):316–22
A comparative study with various anesthetics in mice (pentobarbitone, ketamine–xylazine, carfentanyl–etomidate). Erhardt W, et al. **Res Exp Med (Berl)** 1984;184(3):159–69
Intravenous midazolam does not change lower oesophageal sphincter pressure. Rubin J, et al. **S Afr Med J** 1983 Dec 17;64(26):1024–5
Comparative studies of the use of some injectable anaesthetic agents in birds. Samour JH, et al. **Vet Rec** 1984 Jul 7; 115(1):6–11
Potency changes of intravenous induction agents in the first ten weeks of life: an experiment using beagle dogs. Allt-Graham J, et al. **Vet Res Commun** 1983 Dec; 7(1–4):353–7
[Relation between the clinical effect and plasma concentration of midazolam in volunteers] Crevoisier C, et al. **Ann Fr Anesth Reanim** 1984;3(3):162–7 (Eng. Abstr.) **(Fre)**
[Midazolam. Chemical data and experimental neuropharmacology] Gerecke M, et al. **Ann Fr Anesth Reanim** 1984;3(3):155–61 **(Fre)**
[Comparison of midazolam and flunitrazepam as premedication administered rectally in infants] Julia JM, et al. **Ann Fr Anesth Reanim** 1984;3(3):185–8 (Eng. Abstr.) **(Fre)**
[Anesthesia for transsternal thymectomy in myasthenia gravis] Pinto Saraiva PA, et al. **Sem Hop Paris** 1983 Dec 22;59(48):3373–7 (Eng. Abstr.) **(Fre)**
[Comparative study of thiopental and midazolam for induction of anesthesia] Driessen JJ, et al. **Anaesthesist** 1983 Oct;32(10):478–82 (Eng. Abstr.) **(Ger)**
[Comparative clinical studies of vecuronium, atracurium and pancuronium] Schaer H, et al. **Anaesthesist** 1984 Jun; 33(6):259–65 (Eng. Abstr.) **(Ger)**
[Midazolam, a new benzodiazepine anesthetic] Suzuki N. **Kokubyo Gakkai Zasshi** 1983 Sep;50(3):483 **(Jpn)**
[Guidance for preventing pollution by anesthetic gases] **Masui** 1983 Sep;32(9):1136–9 **(Jpn)**
[New anesthetics and development of methods of anesthesia (Part 1)] Miyazaki M, et al. **Masui** 1984 Jan;33(1):66–75 (64 ref.) (Eng. Abstr.) **(Jpn)**
[Use of kalipsol for intravenous anesthesia in emergency oral surgery] Gritsuk SF, et al. **Stomatologiia (Mosk)** 1984 Mar–Apr;63(2):24–6 (Eng. Abstr.) **(Rus)**
[Multicomponent intravenous anesthesia using calypsol in surgery of the lungs and mediastinum] Buniatian AA, et al. **Vestn Akad Med Nauk SSSR** 1983;(10):37–43 (Eng. Abstr.) **(Rus)**
[The effect and use of opiates at the level of the spinal medulla] Križ M. **Lijec Vjesn** 1984 May;106(5):203–4 **(Scr)**

ADMINISTRATION & DOSAGE

Dose of intravenous induction agent [letter] Henderson JJ. **Anaesthesia** 1984 Jan;39(1):64–5
Infusion rates for anaesthesia with propofol. Wright PJ, et al. **Br J Anaesth** 1984 Jun;56(6):613–6
Anaesthetics. Prior FN. **Br Med J [Clin Res]** 1984 Jun 9; 288(6432):1750–3
Control of anesthetic delivery. Mylrea KC. **Contemp Anesth Pract** 1984;8:125–35
Intermittent drug administration during labor and protection of the fetus. Hernandez Sande C, et al. **IEEE Trans Biomed Eng** 1983 Sep;30(9):615–9
Innovar-Vet as an intramuscular anesthetic for rats [letter] Deal DL, et al. **Metabolism** 1983 Nov;32(11):1088
Anesthesia for cesarean section in large animals. McGrath CJ. **Mod Vet Pract** 1984 Jul;65(7):522–4
Computer-controlled anesthetic delivery system. Lampert BA, et al. **South Med J** 1984 Aug;77(8):1001–6
[Hemodynamic effects of 2 different doses of midazolam in combination with fentanyl for induction of anesthesia in surgery of the abdominal aorta] Pomane C, et al. **Ann Fr Anesth Reanim** 1984;3(3):168–70 (Eng. Abstr.) **(Fre)**
[Premedication using intrarectal midazolam. Study of effective dosage in pediatric anesthesia] Saint-Maurice C, et al. **Ann Fr Anesth Reanim** 1984;3(3):181–4 (Eng. Abstr.) **(Fre)**
[CT 1341 programmed anesthesia] Macoretta P, et al. **Ann Osp Maria Vittoria Torino** 1982 Jul–Dec; 25(7–12):196–207 (Eng. Abstr.) **(Ita)**
[Effect of combined intravenous anesthesia with kalipsol and seduxen on external respiration, gas exchange and hemodynamics of the lesser circulation in patients during operations with artificial circulation] Trekova NA, et al. **Anesteziol Reanimatol** 1983 Sep–Oct;(5):8–12 (Eng. Abstr.) **(Rus)**
[Intravenous monoanesthesia and antianesthetics in emergency surgery] D'iachenko PK, et al. **Vestn Khir** 1984 Apr;132(4):113–8 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Celiac plexus block does not alter hepatic injury in rats. Harper MH, et al. **Anesth Analg** 1984 May;63(5):479–81
To breathe or not to breathe. Hornbein TF. **Anesthesiology** 1984 Aug;61(2):119–20
Acute angle closure glaucoma following surgery. Easterlin MN, et al. **AORN J** 1984 May;39(6):992–5
Anaesthetic deaths. Payne JP. **Br J Hosp Med** 1983 Dec; 30(6):411–4
Fluorinated anaesthetic nephrotoxicity: an update. Mazze RI. **Can Anaesth Soc J** 1984 May;31(3 Pt 2):S16–22
On the mechanism of myocardial sensitization to catecholamines by hydrocarbon anesthetics. Reynolds AK. **Can J Physiol Pharmacol** 1984 Feb;62(2):183–98 (105 ref.)
The anesthetic evaluation and management of the surgical patient with heart disease. Bull AP. **Surg Clin North Am** 1983 Oct;63(5):1035–48 (9 ref.)
Mechanisms of hypersensitivity to intravenous agents. Watkins J. **Vet Res Commun** 1983 Dec;7(1–4):195–200
[Study of allergy to general anesthetics and muscle relaxants using the lymphoblast transformation test] Janot C, et al. **Ann Fr Anesth Reanim** 1983;2(1):39–43 (Eng. Abstr.) **(Fre)**
[Exposure to anesthetic gases: risk and prevention] Stoklov M, et al. **Sem Hop Paris** 1983 Sep 1;59(29–30):2081–7 (Eng. Abstr.) **(Fre)**
[Allergy to general anesthetics and especially to muscle relaxants. Diagnostic methods] Vervloet D. **Therapie** 1983 Sep–Oct;38(5):547–9 **(Fre)**
[Fatal incident following administration of thalamonal in latent pheochromocytoma] Schwechheimer K, et al. **Pathologe** 1983 Sep;4(5):261–6 **(Ger)**
[Important side-effects of naloxone as an antagonist of neuroleptoanalgesia] Bigo P, et al. **Minerva Anestesiol** 1983 Jun;49(6):389–91 (Eng. Abstr.) **(Ita)**
[Synthesis of the current status of the knowledge on industrial anesthesiologic pathology. Prevention and anti-pollution devices] Giron GP, et al. **Minerva Anestesiol** 1983 Dec; 49(12):675–94 (245 ref.) (Eng. Abstr.) **(Ita)**
[Neonatal jaundice and pharmacologically active substances administered to the mother during labor] Vignolo Lutati C, et al. **Minerva Ginecol** 1983 Nov;35(11):747–9 (Eng. Abstr.) **(Ita)**
[Drugs and myasthenia gravis] Jusić A. **Lijec Vjesn** 1984 Jan; 106(1):42–3 **(Scr)**

ANALYSIS

Anaesthetic vapour concentrations in the EMO system. Schaefer HG, et al. **Anaesthesia** 1984 Feb;39(2):171–80
Cross-sensitivity in water vapor in the Engström EMMA. Linstromberg JW, et al. **Anesth Analg** 1984 Jan;63(1):75–8
Calibration atmosphere generator for operating theatre

pollution studies. A system for the controlled production of trace concentrations of inhalation anaesthetics. Gray WM, et al. **Br J Anaesth** 1984 May;56(5):543–50

Monitoring system gas concentrations. Calkins JM. **Contemp Anesth Pract** 1984;8:137–48

Anesthetic waste gases in veterinary medicine: analysis of the problem and suggested guidelines for reducing personnel exposures. Short CE, et al. **Cornell Vet** 1983 Oct; 73(4):363–74

[Pollution of operating rooms with volatile and gas anesthetics. Methods of prevention] Stieglitz P, et al. **Ann Fr Anesth Reanim** 1984;3(4):318–21 (Eng. Abstr.) **(Fre)**

[Occupational exposure to halogenated anesthetics in 28 operating rooms of 5 hospitals in Milan and its environs] Andreoletti F, et al. **Med Lav** 1983 Jul–Aug;74(4):277–83 (Eng. Abstr.) **(Ita)**

[Anesthetic gases: efficacy of various antipollution systems for operating rooms] Minisci S, et al. **Med Lav** 1984 Mar–Apr;75(2):139–43 (Eng. Abstr.) **(Ita)**

ANTAGONISTS & INHIBITORS

Effect of naloxone on the loss of consciousness induced by i.v. anaesthetic agents in man. Stella L, et al. **Br J Anaesth** 1984 Apr;56(4):369–73

Naloxone and its antagonism of anaesthesia and analgesia [letter] Gillman MA. **Can Anaesth Soc J** 1984 Jan; 31(1):117–9

BLOOD

Placental transfer of midazolam and its metabolite 1–hydroxymethylmidazolam in the pregnant ewe. Vree TB, et al. **Anesth Analg** 1984 Jan;63(1):31–4

Age and solubility of volatile anesthetics in blood. Lerman J, et al. **Anesthesiology** 1984 Aug;61(2):139–43

IMMUNOLOGY

Intradermal testing after anaphylactoid reaction to anaesthetic drugs: practical aspects of performance and interpretation. Fisher M. **Anaesth Intensive Care** 1984 May; 12(2):115–20

METABOLISM

Effect of age, gender, and obesity on midazolam kinetics. Greenblatt DJ, et al. **Anesthesiology** 1984 Jul;61(1):27–35

A proton nuclear magnetic resonance study on the release of bound water by inhalation anesthetic in water–in–oil emulsion. Yoshida T, et al. **Biochim Biophys Acta** 1984 Apr 25;772(1):102–7

Obstetric analgesia: pharmacokinetics and its relation to neonatal behavioral and adaptive functions. Kanto J, et al. **Biol Res Pregnancy Perinatol** 1984;5(1):23–35 (94 ref.)

Mathematical modelling of the horse. Mapleson WW, et al. **Equine Vet J** 1984 May;16(3):155–7

Do general anaesthetics act by competitive binding to specific receptors? Franks NP, et al. **Nature** 1984 Aug 16–22; 310(5978):599–601

PHARMACODYNAMICS

Depression of monocytes and lymphocytes by stress–related humoral factors and anaesthetic–related drugs. Hole A. **Acta Anaesthesiol Scand** 1984 Jun;28(3):280–6

Factor analysis of local cerebral blood flow changes observed in physiological experiments. Szabó L, et al. **Acta Physiol Hung** 1984;63(1):43–53

Neuropharmacological aspects of central respiratory regulation. An experimental study in the rat. Hedner J. **Acta Physiol Scand [Suppl]** 1983;524:1–109

Midazolam and induction of anaesthesia [letter] Derbyshire DR, et al. **Anaesthesia** 1984 Jan;39(1):69–70

Calcium antagonists [editorial] Jones RM. **Anaesthesia** 1984 Aug;39(8):747–9

Effects of anesthetics on central vagal tone [letter] Inoue K. **Anesth Analg** 1984 Mar;63(3):371–2

Effects of volatile anesthetics on myocardial oxidation–reduction status assessed by NADH fluorometry. Kissin I, et al. **Anesthesiology** 1983 Nov;59(5):447–52

Anesthetics and excitatory/inhibitory responses of midbrain reticular neurons. Shimoji K, et al. **Anesthesiology** 1984 Aug;61(2):151–5

Selective actions of intravenous anesthetics on nicotinic– and muscarinic–receptor–mediated responses of the dog adrenal medulla. Sumikawa K, et al. **Anesthesiology** 1983 Nov; 59(5):412–6

A 1H–NMR investigation of the effects of ethanol and general anaesthetics on ion channels and membrane fusion using unilamellar phospholipid membranes. Hunt GR, et al. **Biochim Biophys Acta** 1983 Dec 7;736(1):1–10

Differential effects of anesthetics on phosphatidylethanolamine biosynthesis in hamster tissue. Tam SW, et al. **Biochim Biophys Acta** 1983 Nov 1; 754(1):111–5

Sedation and respiratory mechanics in man. Gelb A, et al. **Br J Anaesth** 1983 Sep;55(9):809–15

Pharmacology of an emulsion formulation of ICI 35 868. Glen JB, et al. **Br J Anaesth** 1984 Jun;56(6):617–26

Effects of prostaglandin E2, propranolol and nitroglycerine with halothane, pethidine or pentobarbitone anaesthesia on arrhythmias and other responses to ligation of a coronary artery in rats. Au TL, et al. **Br J Pharmacol** 1983 Aug; 79(4):929–37

Effects of injectable anaesthetics on responses to L–glutamate and on spontaneous synaptic activity in lamprey reticulo–spinal neurones. Cullen KD, et al. **Br J Pharmacol** 1984 Jul;82(3):659–66

The action of general anaesthetics on acetylcholine–induced inhibition in the central nervous system of Helix. Judge SE, et al. **Br J Pharmacol** 1982 Feb;75(2):353–7

Rate–pressure product correlates poorly with myocardial oxygen consumption during anaesthesia in coronary patients. Moffitt EA, et al. **Can Anaesth Soc J** 1984 Jan; 31(1):5–12

The effects of intravenous anaesthetic agents on human neutrophil chemiluminescence. White IW, et al. **Can Anaesth Soc J** 1983 Sep;30(5):506–11

Comparison of the effects of Althesin, chloralose–urethane, urethane, and pentobarbital on mammalian physiologic responses. Ching M. **Can J Physiol Pharmacol** 1984 Jun; 62(6):654–7

Urinary excretion of N–nitrosodimethylamine in rats after Thalamonal narcosis. Schmezer P, et al. **Cancer Lett** 1984 Jul;23(3):351–3

Respiratory–related hypoglossal nerve activity: influence of anesthetics. Hwang JC, et al. **J Appl Physiol** 1983 Sep; 55(3):785–92

Anaesthesia with alphaxalone plus alphadolone acetate blocks the oestrogen–stimulated LH surge and impairs pulsatile LH secretion in ovariectomized female rats. Dyer RG, et al. **J Endocrinol** 1984 Jul;102(1):27–31

The effects of some inhalation anaesthetics on the sodium current of the squid giant axon. Haydon DA, et al. **J Physiol (Lond)** 1983 Aug;341:429–39

Novel flushing provoked by volatile anesthetics in Mastomys natalensis bearing a transplantable substrain of gastric carcinoid that predominantly secretes serotonin. Hosoda S, et al. **JNCI** 1984 Jun;72(6):1437–42

Analgesic potencies of non–narcotic, narcotic and anesthetic drugs as determined by the bradykinin–induced biting–like responses in rats. Foong FW, et al. **Jpn J Pharmacol** 1983 Oct;33(5):933–8

Effects of anesthetics and starvation on in vivo gluconeogenesis in virgin and pregnant rats. Zorzano A, et al. **Metabolism** 1984 Jun;33(6):553–8

Species variation and the mechanism of pressure–anaesthetic interactions. Smith EB, et al. **Nature** 1984 Sep 6–11; 311(5981):56–7

Interactions of some anaesthetic, convulsant, and anticonvulsant drugs at GABA–benzodiazepine receptor–ionophore complexes in rat brain synaptosomal membranes. Skerritt JH, et al. **Neurochem Res** 1983 Oct; 8(10):1351–62

General anesthesia in cesarean section: effect on mother and neonate. Zagorzycki MT. **Obstet Gynecol Surv** 1984 Mar; 39(3):134–7 (26 ref.)

Anesthesia and stimulation of pituitary beta–endorphin release in rats. Maiewski S, et al. **Proc Soc Exp Biol Med** 1984 Jul;176(3):268–75

The effect of surgical stress on plasma 6–keto–PGF1 alpha concentrations in laparotomized patients under general anesthesia. Goto F, et al. **Prostaglandins Leukotrienes Med** 1984 Jul;15(1):137–42

Effect of Anesthesia on rat respiration. A study in decerebrated, decerebrated–anesthetized and intact–brain preparations. Rodríguez Méndez SA, et al. **Rev Esp Fisiol** 1984 Mar;40(1):53–61

Use of anesthetic agents in cats with obstructive uropathy. Raffe MR, et al. **Vet Clin North Am [Small Anim Pract]** 1984 May; 14(3):691–702 (26 ref.)

[Effect of anesthetics on cerebral perfusion pressure] Escuret E. **Agressologie** 1983 Oct;24(9):463–88 (165 ref.) (Eng. Abstr.) **(Fre)**

[French translation of the Stanford Sleepiness Scale and use of this scale of sedation following a single dose of midazolam or amitriptyline] Schulz P, et al. **Agressologie** 1983 Sep;24(8):357–9 (Eng. Abstr.) **(Fre)**

[Influence of low concentrations of halogenated anesthetics on the electroretinogram and visual evoked potentials in children] Debrabant F, et al. **Ann Fr Anesth Reanim** 1984; 3(2):99–104 (Eng. Abstr.) **(Fre)**

[Effects of acidosis on the action of drugs used in anesthesia and intensive care] Kienlen J. **Ann Fr Anesth Reanim** 1983; 2(4):280–95 (97 ref.) **(Fre)**

[Influence of anesthesia on the localization of Schistosoma mansoni. Intestinal schistosomiasis in white mice] Kilembé M, et al. **Ann Fr Anesth Reanim** 1984;3(1):4–9 (Eng. Abstr.) **(Fre)**

[Comparative study of the effect of midazolam and hypnomidate on the cardiovascular system] List WF, et al. **Anaesthesist** 1983 Aug;32(8):395–8 (Eng. Abstr.) **(Ger)**

[Determination of blinking frequency by an infrared detector system and the influence of optical factors and pharmaceutics] Kilp H, et al. **Fortschr Ophthalmol** 1983; 80(3):210–2 (Eng. Abstr.) **(Ger)**

[Immunological effects of anesthetics and opiates] Kanno M. **Masui** 1983 Sep;32(9):1089–94 (Eng. Abstr.) **(Jpn)**

[Effect of pentobarbital sodium on tracheal pressure increase induced by vagus nerve stimulation in anesthetized dogs] Kitamura S, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Dec; 21(12):1176–81 (Eng. Abstr.) **(Jpn)**

[Droperidol in dissociative anesthesia. Clinical study] González Machado JL, et al. **Rev Esp Anestesiol Reanim** 1983 Sep–Oct;30(5):191–5 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

The interactions between pressure and anaesthetics. Smith RA, et al. **Philos Trans R Soc Lond [Biol]** 1984 Jan 7; 304(1118):69–84

[Result and treatment of tinnitus in our clinic] Causse JB, et al. **Ann Otolaryngol Chir Cervicofac** 1984;101(3):231–5 (Eng. Abstr.) **(Fre)**

[Vasilenkov's paste in the treatment of acute diseases of the pulp] Hillier–Kolarov V. **Med Pregl** 1982;35(11–12):421–4 (Eng. Abstr.) **(Scr)**

TOXICITY

Mechanism of liver necrosis in hyperthyroid rats [letter] Carmichael FJ. **Anesthesiology** 1983 Dec;59(6):591–2

Hypothermia and chloropent anesthesia differentially affect the flash evoked potentials of hooded rats. Dyer RS, et al. **Brain Res Bull** 1983 Jun;10(6):825–31

Trifluorinated ether anesthetic lethality in rats: the role of bacterial infection. Dersham G, et al. **Toxicol Appl Pharmacol** 1983 Oct;71(1):93–100

Acute toxicity of fluorinated ether anesthetics: role of 2,2,2–trifluoroethanol and other metabolites. Murphy MJ, et al. **Toxicol Appl Pharmacol** 1983 Oct;71(1):84–92

[Assessment of drug nephrotoxicity by the excretion of tubule–specific membrane antigens and enzymes] Scherberich JE, et al. **Z Gesamte Inn Med** 1983 Nov 1; 38(21):571–80 (59 ref.) (Eng. Abstr.) **(Ger)**

ANESTHETICS, DISSOCIATIVE see under **ANESTHETICS**

ANESTHETICS, LOCAL

Topical anaesthesia with EMLA, a new lidocaine–prilocaine cream and the Cusum technique for detection of minimal application time. Ehrenström–Reiz G, et al. **Acta Anaesthesiol Scand** 1983 Dec;27(6):510–2

Caudal anaesthesia for upper abdominal surgery in infants and children: a simple calculation of the volume of local anaesthetic. Satoyoshi M, et al. **Acta Anaesthesiol Scand** 1984 Feb;28(1):57–60

Epicutaneous application of A2358 compresses containing ketocaine for pain relief in labor. A multicenter double–blind trial. Jouppila R, et al. **Acta Obstet Gynecol Scand** 1983;62(4):321–4

Magnesium enhances local anesthetic nerve block of frog sciatic nerve. Akutagawa T, et al. **Anesth Analg** 1984 Feb; 63(2):111–6

Dissociation constants of local anesthetics and their temperature dependence. Kamaya H, et al. **Anesth Analg** 1983 Nov;62(11):1025–30

Differential peripheral nerve block by local anesthetics in the cat. Ford DJ, et al. **Anesthesiology** 1984 Jan;60(1):28–33

Potential interactions between cimetidine and amide local anesthetics in obstetrics [letter] Moir CL, et al. **Anesthesiology** 1984 May;60(5):507–9

Improving the effectiveness of TAC application [letter] Lyman JL, et al. **Ann Emerg Med** 1984 Aug;13(8):642

Assessment of allergy to local anesthetic. Swanson JG. **Ann Emerg Med** 1983 May;12(5):316–8

The direct perfusion of surgical wounds with local anaesthetic solution [letter] Levack ID, et al. **Ann R Coll Surg Engl** 1984 Mar;66(2):146

Local anaesthetic effect of antiarrhythmic drugs and human sperm immobilization: mechanism and application of the interrelationship. Hong CY, et al. **Br J Clin Pharmacol** 1984 Jun;17(6):687–90

Cetamolol: a new cardioselective beta–adrenoceptor blocking agent without membrane–stabilizing activity. Beaulieu G, et al. **Can J Physiol Pharmacol** 1984 Mar;62(3):302–8

A comparison of the local anaesthetic effects of cationic, anionic, and neutral amphipathic agents in frog skeletal muscle. Foulks JG, et al. **Can J Physiol Pharmacol** 1984 Apr;62(4):345–9

The effect of different surface chemical groups on drug binding to liposomes. Schlieper P, et al. **Chem Phys Lipids** 1983 Dec;34(1):81–92

Dependence of anaesthetic activity on molecular polarizability & van der Waals volume. Handa A, et al. **Indian J Biochem Biophys** 1983 Oct;20(5):318–20

Etidocaine HCl local anesthetic for periodontal flap surgery. Hlava GL, et al. **J Periodontol** 1984 Jun;55(6):364–7

A contribution, from a possible local anaesthetic action, to the effects of yohimbine on evoked noradrenaline overflow. Goodall J, et al. **J Pharm Pharmacol** 1984 Apr;36(4):278–80

Pseudomonas putida in transfused blood [letter] Taylor M, et al. **Lancet** 1984 Jul 14;2(8394):107

The warming of local anesthetic agents to decrease discomfort. Bloom LH, et al. **Ophthalmic Surg** 1984 Jul; 15(7):603

Subjective observations during pars plana lensectomy [letter] Girard LJ. **Ophthalmic Surg** 1983 Sep;14(9):789

Local anesthetic effects of cocaine and several extracts of the coca leaf (E. coca). Bedford JA, et al. **Pharmacol Biochem Behav** 1984 May;20(5):819–21

Use of chloroprocaine for adult circumcision [letter]

Cummings D. **Urology** 1984 May;23(5):529

[Clinical trials of a new local anesthetic in dentistry] Dall'Oppio L, et al. **Schweiz Monatsschr Zahnmed** 1984 Apr;94(4):307–14 (Eng. Abstr.) **(Fre)**

[Active substances of Asarum europaeum. 16. The local anesthetic activity of the phenylpropane derivatives] Gracza L. **Planta Med** 1983 Jul;48(3):153–7 (Eng. Abstr.) **(Ger)**

[Studies on pyridinol derivatives. X. Synthesis and pharmacological activity of 4-acyl-3,4-dihydro-2H-pyrido[3,2-b]-1,4-oxazine derivatives] Takeda H, et al. **Yakugaku Zasshi** 1983 Dec; 103(12):1247–56 (Eng. Abstr.) **(Jpn)**

[Pyridinol derivatives (4). Synthesis and pharmacological actions of 3,4-dihydro-2H-pyrido[3,2-b]-1,4-oxazine derivatives. (1)] Takeda H, et al. **Yakugaku Zasshi** 1983 May;103(5):497–507 (Eng. Abstr.) **(Jpn)**

[Pyridinol derivatives. (8) Synthesis and pharmacological activity of 4-phenylalkyl-2H-pyrido[3,2-b]-1,4-oxazin-3-one derivatives] Takeda H, et al. **Yakugaku Zasshi** 1983 Aug; 103(8):849–56 (Eng. Abstr.) **(Jpn)**

[Pyridinol derivatives. (6) Synthesis and pharmacological activity of 4-(2-dialkylamino-1-phenylethyl)-2H-pyrido[3,2-b]-1,4-derivatives] Takeda H, et al. **Yakugaku Zasshi** 1983 Aug; 103(8):825–34 (Eng. Abstr.) **(Jpn)**

[Pyridinol derivatives. (9) Synthesis and pharmacological activity of 4-phenylalkyl-3,4-dihydro-2H-pyrido[3,2-b]-1,4-oxazine derivatives] Takeda H, et al. **Yakugaku Zasshi** 1983 Aug; 103(8):857–66 (Eng. Abstr.) **(Jpn)**

[Pyridinol derivatives. (7) Synthesis and pharmacological activity of 4-(2-dialkylamino-1-phenylethyl)-3,4-dihydro-2H-pyrid derivatives] Takeda H, et al. **Yakugaku Zasshi** 1983 Aug; 103(8):835–48 (Eng. Abstr.) **(Jpn)**

[Local anesthetic properties of a polymeric compound of trimecaine] Ignatov IuD, et al. **Biull Eksp Biol Med** 1984 Jun;97(6):686–8 (Eng. Abstr.) **(Rus)**

[Clinical use of benzofurocaine for local and conduction anesthesia in general and microsurgical procedures] Arzumanov VS, et al. **Klin Khir** 1983 Dec;(12):40–2 (Eng. Abstr.) **(Rus)**

[Study of local anesthetics. LXXVII. Physico-chemical properties of basic esters of 2-heptyloxyphenylcarbamic acid] Greksáková O, et al. **Cesk Farm** 1983 Oct; 32(8):279–81 (Eng. Abstr.) **(Slo)**

ADMINISTRATION & DOSAGE

Pain management by contralateral local anaesthesia. Flöter T. **Acupunct Electrother Res** 1983;8(2):139–42

Inability to inject local anesthetic into the subarachnoid space [letter] Rubin AS, et al. **Anesth Analg** 1984 Aug;63(8):783

An atraumatic method for topical application of local anesthetics to the nasal mucosa [letter] Hannenberg AA. **Anesthesiology** 1983 Dec;59(6):596–7

The direct perfusion of surgical wounds with local anaesthetic solution: an approach to post-operative pain? [letter] **Ann R Coll Surg Engl** 1984 Jan;66(1):72–3

The effects of epidural injection of local anesthetics and corticosteroids on patients with lumbosciatic pain. Berman AT, et al. **Clin Orthop** 1984 Sep;(188):144–51

Mini set for iontophoresis for topical analgesia before injection. Petelenz T, et al.
Int J Clin Pharmacol Ther Toxicol 1984 Mar;22(3):152–5

[Phantom phenomena during regional anesthesia] Mihic DN, et al. **Reg Anaesth** 1983 Apr;6(2):30–5 (Eng. Abstr.) **(Ger)**

[Combined general and peridural anesthesia with local anesthetics and morphine] Novozhilov VA. **Vestn Khir** 1984 May;132(5):113–4 **(Rus)**

[Variants of irrigotherapy of lumbosacral radicular syndromes] Neimark EZ, et al. **Vrach Delo** 1984 Mar; (3):97–9 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Chronic neurological deficits and Nesacaine-CE—an effect of the anesthetic, 2-chloroprocaine, or the antioxidant, sodium bisulfite? Wang BC, et al. **Anesth Analg** 1984 Apr; 63(4):445–7

Cardiotoxicity of local anesthetics—the plot thickens. Marx GF. **Anesthesiology** 1984 Jan;60(1):3–5

Complications of TAC [letter] Dronen SC.
Ann Emerg Med 1983 May;12(5):333

Seizures following topical application of local anesthetics to burn patients. Wehner D, et al. **Ann Emerg Med** 1984 Jun; 13(6):456–8

Short-term effects of local anaesthetic agents on the structure of the rat tympanic membrane. Schmidt SH, et al.
Arch Otorhinolaryngol 1984;240(2):159–66

The hazards of dental local anesthetics [letter] Cannell H. **Br Dent J** 1983 Jul 9;155(1):6

Toxicity caused by local anaesthetic agents [editorial] Scott DB. **Br J Anaesth** 1984 May;56(5):435–6

Drug therapy questions & answers. **Colo Med** 1983 Aug; 80(8):221–4

Contact allergy to different antihaemorrhoidal anaesthetics. van Ketel WG. **Contact Dermatitis** 1983 Nov;9(6):512–3

Effects of vasoconstrictors [letter] Cawson RA.
J Am Dent Assoc 1984 Apr;108(4):462, 464, 466

Life-threatening reactions after pedodontic sedation: an assessment of narcotic, local anesthetic, and antiemetic drug interaction. Goodson JM, et al. **J Am Dent Assoc** 1983 Aug;107(2):239–45

Diphenhydramine hydrochloride as a local anesthetic. A case report. Howard K, et al. **J Am Podiatry Assoc** 1984 May; 74(5):240–2

Infantile methemoglobinemia induced by a topical anesthetic, Cetacaine. Seibert RW, et al. **Laryngoscope** 1984 Jun; 94(6):816–7

Hypersensitivity to amide local anesthetics? Report of a case. Milam SB, et al. **Oral Surg** 1983 Dec;56(6):593–6

[Systemic toxicity of local anesthetics] Suppan P.
Rev Med Suisse Romande 1983 Oct;103(10):823–7 **(Fre)**

[Adverse effects of local anesthetics] Haavik PE, et al.
Tidsskr Nor Laegeforen 1984 Jun 20;104(17–18):1238–40 **(Nor)**

CHEMICAL SYNTHESIS

[Alkyl derivatives of isoquinoline. III. Synthesis and pharmacologic activity of dialkylaminoalkyl amides of 1-chloro- and 1-methoxy-3-carboxy-4-methylisoquinoline and of 3-carboxy-2,4-dimethyl-1,2-dihydro-1-oxoisoquinoline] Vittorio F, et al. **Farmaco [Sci]** 1984 Mar;39(3):229–45 (Eng. Abstr.) **(Ita)**

HISTORY

Local anaesthetic drugs—an historical perspective [editorial] Wildsmith JA, et al. **Br J Anaesth** 1984 Sep;56(9):937–9

METABOLISM

A new method for studying the distribution of drugs in spinal cord after intrathecal injection. Post C, et al.
Acta Pharmacol Toxicol (Copenh) 1984 Apr;54(4):253–7

Uptake and elimination of local anesthetics during spinal anesthesia. Greene NM. **Anesth Analg** 1983 Nov; 62(11):1013–24 (20 ref.)

Dural diffusion of local anesthetics [letter] Greene NM.
Anesthesiology 1984 Jun;60(6):619

Local anesthetics can interact electrostatically with membrane proteins. Chan DS, et al.
Biochim Biophys Acta 1984 Feb 29;770(1):55–64

Studies on rabbit corneal permeability of local anesthetics (I). Igarashi H, et al. **Jpn J Pharmacol** 1984 Apr; 34(4):429–34

PHARMACODYNAMICS

Spinal anesthesia in sheep with local anesthetic solutions at pH 4 and pH 7. Adams HJ, et al.
Acta Anaesthesiol Scand 1984 Jun;28(3):270–2

Effect of vasoactive agents on prostanoids in suction blister fluid. Juhlin L, et al. **Acta Derm Venereol (Stockh)** 1983; 63(6):536–8

Local anaesthesia and immunomodulatory effects of antithyroid drugs. Hallengren B, et al.
Acta Endocrinol (Copenh) 1984 Jul;106(3):336–7

Local anesthetics selectively inhibit non-cholinergic neural contractions in guinea-pig airways. Karlsson JA, et al.
Acta Physiol Scand 1984 Mar;120(3):469–71

Differential sensitivities of mammalian nerve fibers during pregnancy. Datta S, et al. **Anesth Analg** 1983 Dec; 62(12):1070–2

The influence of 2-chloroprocaine on the subsequent analgesic potency of bupivacaine. Corke BC, et al.
Anesthesiology 1984 Jan;60(1):25–7

Inhibition of cytochrome oxidase activity by local anaesthetics. Casanovas AM, et al. **Biochem Pharmacol** 1983 Sep 15;32(18):2715–9

Effects of local anesthetics on calmodulin-dependent guanylate cyclase in the plasma membrane of Tetrahymena pyriformis. Muto Y, et al. **Biochem Pharmacol** 1983 Dec 1;32(23):3559–63

Studies on the mechanism of action of local anesthetics on proton translocating ATPase from Mycobacterium phlei. Agarwal N, et al. **Biochim Biophys Acta** 1984 Mar 30; 764(3):316–23

The effect of anaesthetics on protein conformation in membranes as studied by the spin-labelling technique. Gröf P, et al. **Biochim Biophys Acta** 1983 Oct 12;734(2):319–28

Inhibition of synaptosomal enzymes by local anesthetics. Sidek HM, et al. **Biochim Biophys Acta** 1984 Sep 7; 801(1):26–31

Mechanisms of use-dependent block of sodium channels in excitable membranes by local anesthetics. Starmer CF, et al. **Biophys J** 1984 Jul;46(1):15–27

Temperature-dependence of the action of nerve blocking agents and its relationship to membrane-buffer partition coefficients: thermodynamic implications for the site of action of local anaesthetics. Bradley DJ, et al.
Br J Pharmacol 1984 Jan;81(1):161–7

The response of cat spinal motoneurones to the intracellular application of agents with local anaesthetic action. Engberg I, et al. **Br J Pharmacol** 1984 Jan;81(1):215–24

The role of electrostatic interactions in modulating the local anaesthetic effects of amphipathic agents in frog skeletal muscle. Foulks JG, et al. **Can J Physiol Pharmacol** 1984 Apr;62(4):350–5

A comparison in rat and mouse heart of the ability of several local anesthetics to inhibit monoamine oxidase. Dorris RL. **Comp Biochem Physiol [C]** 1983;75(2):327–8

Local anesthetics in dental practice. Milam SB, et al.
Dent Clin North Am 1984 Jul;28(3):493–508

Rational use of local anaesthetics. Concepcion M, et al.
Drugs 1984 Mar;27(3):256–70

Influence of pH on the inhibitory effects of local anesthetics on histamine release induced from rat mast cells by concanavalin A and compound 48/80. Suzuki T, et al.
Eur J Pharmacol 1984 Mar 2;98(3–4):347–55

A comparative study of centbucridine and lidocaine in dental extraction. Vacharajani GN, et al.
Int J Clin Pharmacol Res 1983;3(4):251–5

Spontaneous calcium release from sarcoplasmic reticulum. Effect of local anesthetics. Volpe P, et al. **J Biol Chem** 1983 Oct 25;258(20):12434–42

The effect of local anaesthetics on the components of the asymmetry current in the squid giant axon. Bekkers JM, et al. **J Physiol (Lond)** 1984 Jul;352:653–68

Epidural anesthesia in labor. Various agents employed. Smith CM. **JOGN Nurs** 1984 Jan–Feb;13(1):17–21

Effects of local anesthetics, tetrodotoxin, aconitine and verapamil on the mechanoreceptors of isolated frog heart. Kontani H, et al. **Jpn J Pharmacol** 1983 Jun;33(3):503–13

Effects of local anesthetics on the pulmonary mechanoreceptors of the perfused frog lung. Kontani H, et al. **Jpn J Pharmacol** 1983 Oct;33(5):1096–9

Local anaesthetics as antibacterial agents: effects on cellular respiration and the leakage of cytoplasmic constituents. Fazly Bazaz BS, et al. **Microbios** 1983;37(149–150):139–49

Inhibition of binding of [3H]batrachotoxinin A 20-alpha-benzoate to sodium channels by local anesthetics. Postma SW, et al. **Mol Pharmacol** 1984 Mar;25(2):219–27

Effects of amphipathic drugs on L'[3H]glutamate binding to synaptic membranes and the purified binding protein. Michaelis EK, et al. **Neurochem Res** 1984 Jan;9(1):29–44

Inhibition by local anaesthetic drugs at low and high stimulation frequencies. A comparison between the isolated phrenic nerve of the rat and the phrenic nerve-diaphragm preparation. Brodin P, et al. **Neuropharmacology** 1984 Jan; 23(1):83–8

Efficacy of topical anaesthetics. Draeger J, et al.
Ophthalmic Res 1984;16(3):135–8

Periodontal ligament injection: evaluation of systemic effects. Smith GN, et al. **Oral Surg** 1983 Dec;56(6):571–4

[Effects of local anesthetics on blood coagulation in vitro] Oku S. **Masui** 1984 Apr;33(4):362–9 (Eng. Abstr.) **(Jpn)**

[The influence of Marcaine on the function of the sarcoplasmic reticulum] Ikai T, et al.
Rinsho Shinkeigaku 1984 Jan;24(1):65–71 (Eng. Abstr.) **(Jpn)**

[Effect of peridural anesthesia on thermoregulation in the bodies of patients after surgery on the blood vessels of the lower extremities] Kuz'menko VF, et al. **Klin Khir** 1984 Jul;(7):40–3 (Eng. Abstr.) **(Rus)**

[Mechanism of ethonium effect on membrane preparations of brain Na+, K+-ATPase] Nazarenko VI, et al.
Ukr Biokhim Zh 1983 Jul–Aug;55(4):398–402 (Eng. Abstr.) **(Rus)**

[Properties of 3',5' c-AMP phosphodiesterase in the cerebral cortex of guinea pigs and the effect of heptacaine] Brechtlová M, et al. **Cesk Fysiol** 1984;33(2):114–8 (Eng. Abstr.) **(Slo)**

THERAPEUTIC USE

Chronic neuralgia incidence following local anesthetic therapy for herpes zoster. Riopelle JM, et al.
Arch Dermatol 1984 Jun;120(6):747–50

Effect of oxybuprocaine 0.4% in preventing surgically induced miosis. van Rij G, et al. **Br J Ophthalmol** 1984 Apr;68(4):248–51

Studies on the derivatives showing local anesthetic actions of several acidic antiinflammatory drugs, aiming at the possibility of treatment for leprous neuritis. Gidoh M, et al. **Nippon Rai Gakkai Zasshi** 1983 Jul–Sep;52(3):156–64

Local anesthetics in the treatment of cancer pain. Porges P. **Recent Results Cancer Res** 1984;89:127–36 (31 ref.)

[Analysis of the mechanisms of the anti-arrhythmic action of marcaine and lidocaine] Kaverina NV, et al.
Farmakol Toksikol 1984 May–Jun;47(3):46–50 (Eng. Abstr.) **(Rus)**

[Anti-arrhythmia properties of pyromecaine] Zakusov VV, et al. **Farmakol Toksikol** 1983 Sep–Oct;46(5):32–7 (Eng. Abstr.) **(Rus)**

TOXICITY

Obstetrical paracervical block with chloroprocaine [letter] Philipson EH. **Acta Obstet Gynecol Scand** 1984;63(2):187

Epinephrine and systemic local anesthetic toxicity [letter] Nadkarni AV, et al. **Anesth Analg** 1984 Jul;63(7):702

ANESTRUS see under **ESTRUS**

ANETHOLE TRITHIONE see under **ANISOLES**

ANEUPLOIDY

Aneuploidy in cutaneous T-cell lymphoma. Lange Wantzin G, et al. **Acta Derm Venereol (Stockh)** 1983;63(4):283–9

Familial leukemia and aplastic anemia associated with monosomy 7. Chitambar CR, et al. **Am J Med** 1983 Nov; 75(5):756–62

Duplication of part of chromosome 1q: clinical report and review of literature. Michels VV, et al. **Am J Med Genet** 1984 May;18(1):125–34

A possible explanation for the low incidence of gonosomal aneuploidy among the offspring of triplo–X individuals. Neri G. **Am J Med Genet** 1984 Jun;18(2):357–64

Cytogenetic findings in 318 couples with repeated spontaneous abortion: a review of experience in British Columbia. Pantzar JT, et al. **Am J Med Genet** 1984 Mar; 17(3):615–20

An efficient multiple-cell approach to automatic aneuploidy screening. Carothers AD, et al. **Anal Quant Cytol** 1983 Sep;5(3):194–200

'Pure' monosomy 21 pter leads to q21 in a girl born to a couple 46,XX,t(14;21)(p12;q22) and 46,XY,t(5;18)(q32;q22). Rivera H, et al. **Ann Genet (Paris)** 1983;26(4):234–7

Fourth International Workshop on Chromosomes in Leukemia 1982: Abnormalities of chromosome 7 resulting in monosomy 7 or in deletion of the long arm (7q–): review of translocations, breakpoints, and associated abnormalities. Bernstein R, et al. **Cancer Genet Cytogenet** 1984 Mar; 11(3):300–3

Comparative results with various polyclonal B-cell activators in aneuploid chronic lymphocytic leukemia. Sadamori N, et al. **Cancer Genet Cytogenet** 1984 Jan;11(1):25–9

Mitotic aneuploidy as a possible mechanism for tumour promoting activity in bile acids. Ferguson LR, et al. **Carcinogenesis** 1984 Apr;5(4):447–51

Colcemid-induced neoplastic transformation and aneuploidy in Syrian hamster embryo cells. Tsutsui T, et al. **Carcinogenesis** 1984 Jan;5(1):89–93

A chromosome rearrangement in Neurospora that produces segmental aneuploid progeny containing only part of the nucleolus organizer. Perkins DD, et al. **Chromosoma** 1984; 89(1):8–17

Meiosis in the foetal mouse ovary. II. Oocyte development and age-related aneuploidy. Does a production line exist? Speed RM, et al. **Chromosoma** 1983;88(3):184–9

Monosomy 10qter due to a balanced maternal translocation: t(10;8)(q23;p23). Chieri P, et al. **Clin Genet** 1983 Aug; 24(2):147–50

Aneuploidy in recurrent spontaneous aborters: the tendency to parental nondisjunction. Hecht F, et al. **Clin Genet** 1984 Jul;26(1):43–5

Chromosome aneuploidy in Alzheimer's disease. Smith A, et al. **Clin Genet** 1983 Jul;24(1):54–7

Is there a predisposition for meiotic nondisjunction that may be detected by mitotic hyperploidy? Staessen C, et al. **Clin Genet** 1983 Sep;24(3):184–90

Flow cytometric analysis of DNA aneuploidy in primary and metastatic human solid tumors. Frankfurt OS, et al. **Cytometry** 1984 Jan;5(1):71–80

Characterization of ploidy level in bladder tumors and selected site specimens by flow cytometry. Jakobsen A, et al. **Cytometry** 1983 Sep;4(2):170–3

A practical graphical method for estimating the fraction of cells in S in DNA histograms from clinical tumor samples containing aneuploid cell populations. Ritch PS, et al. **Cytometry** 1983 Jul;4(1):66–74

Non-small-cell lung carcinoma: tumor characterization on the basis of flow cytometrically determined cellular heterogeneity. Teodori L, et al. **Cytometry** 1983 Sep; 4(2):174–83

Maternal ageing and aneuploid embryos—evidence from the mouse that biological and not chronological age is the important influence. Brook JD, et al. **Hum Genet** 1984; 66(1):41–5

Familial DiGeorge syndrome and associated partial monosomy of chromosome 22. Greenberg F, et al. **Hum Genet** 1984;65(4):317–9

Estimation of aneuploidy levels in human spermatozoa using chromosome specific probes and in situ hybridisation. Joseph AM, et al. **Hum Genet** 1984;66(2–3):234–8

Sequence of centromere separation another mechanism for the origin of nondisjunction. Vig BK. **Hum Genet** 1984; 66(2–3):239–43

Clinical and biological significance of aneuploidy in human tumours. Friedlander ML, et al. **J Clin Pathol** 1984 Sep; 37(9):961–74 (174 ref.)

Influence of ethanol on chromosome segregation during the first and second meiotic divisions in the mouse egg. Kaufman MH, et al. **J Exp Zool** 1984 May;230(2):315–20

The development potential of ethanol-induced monosomic and trisomic conceptuses in the mouse. Kaufman MH, et al. **J Exp Zool** 1984 Jul;231(1):149–55

DNA aneuploidy in congenital melanocytic nevi: suggestive evidence for premalignant changes. Stenzinger W, et al. **J Invest Dermatol** 1984 Jun;82(6):569–72

Familial aneuploidy in Louisiana. Tuck CM, et al. **J La State Med Soc** 1983 Nov;135(11):7–9

Mosaic hexasomy 21. Ketupånyå A, et al. **J Med Genet** 1984 Jun;21(3):228–30

Cat eye syndrome owing to tetrasomy 22pter leads to q11. Wilson GN, et al. **J Med Genet** 1984 Feb;21(1):60–3

Measurement of levels of aneuploidy in mammalian cells using a modified hypotonic treatment. Danford N. **Mutat Res** 1984 Mar;139(3):127–32

Aneuploidy induction by mitotic arrestants. Effects of diazepam on diploid Chinese hamster cells. Hsu TC, et al. **Mutat Res** 1983 Nov;122(2):201–9

Sister-chromatid exchanges and thioguanine resistance in V79 Chinese hamster cells after treatment with the aneuploidy-inducing agent carbaryl +/– S9 mix. Onfelt A, et al. **Mutat Res** 1984 Feb;125(2):269–74

[Familial case of a balanced chromosomal translocation (7;8)(q11;p23) as a cause of reproductive failure] Georgieva V, et al. **Akush Ginekol (Sofiia)** 1983;22(5):409–14 (Eng. Abstr.) **(Bul)**

ANEURIN see **THIAMINE**

ANEURYSM

True aneurysm formation in a 6-month-old child. Todd DW, et al. **J Pediatr Surg** 1984 Jun;19(3):310–1

CHEMICALLY INDUCED

A fluorescein angiographic study on carbon disulfide retinopathy among workers in viscose rayon factories. Karai I, et al. **Int Arch Occup Environ Health** 1983; 53(2):91–9

COMPLICATIONS

Intrarenal aneurysm of the renal artery in children. Lorentz WB Jr, et al. **Am J Dis Child** 1984 Aug;138(8):751–4

Popliteal venous aneurysm as a source of pulmonary emboli in a male: case report. Jack CR Jr, et al. **Angiology** 1984 Jan;35(1):54–7

Valsalva maculopathy due to a retinal arterial macroaneurysm. Avins LR, et al. **Ann Ophthalmol** 1983 May;15(5):421–3

Visual disturbance due to internal carotid aneurysm. Takahashi T, et al. **Ann Ophthalmol** 1983 Nov; 15(11):1014–5, 1017–24

Nerve compression injuries due to traumatic false aneurysm. Robbs JV, et al. **Ann Surg** 1984 Jul;200(1):80–2

Mesenteric hematoma suggests rupture of visceral artery aneurysm. Skudder PA Jr, et al. **Arch Surg** 1984 Jul; 119(7):863

Gastroepiploic artery pseudoaneurysm as a cause of abdominal apoplexy. Role of CT scanning. Lavoipierre AM, et al. **Australas Radiol** 1984 Feb;28(1):23–5

Hepatic artery aneurysm. An unusual case of upper gastro-intestinal bleeding. Cranston D, et al. **Br J Clin Pract** 1984 May;38(5):193–4

Aneurysm of the superior mesenteric artery—a case of Maffucci's syndrome. Simpson A, et al. **Br J Surg** 1984 Mar;71(3):241–2

Septicaemia after colonoscopy due to an iliac artery aneurysm. Vellacott KD. **Endoscopy** 1984 Jan;16(1):35

Recurrent hemorrhage into the pancreatic duct from a splenic artery aneurysm. Harper PC, et al. **Gastroenterology** 1984 Aug;87(2):417–20

Hemobilia from ruptured hepatic artery aneurysm: angiographic demonstration of arteriobiliary fistula in a successfully treated case. Casula G, et al. **Gastrointest Radiol** 1984;9(2):171–3

Rupture of gastroduodenal artery aneurysm into the portal vein. Agrifoglio G, et al. **Int Surg** 1983 Jul–Sep; 68(3):279–81

Acute arteriovenous fistula complicating left iliac artery aneurysm. Harvey CF, et al. **J R Coll Surg Edinb** 1984 Mar;29(2):119–21

Coronary artery aneurysm associated with aortitis syndrome diagnosed pre- and intraoperatively. Fukuda I, et al. **Jpn Heart J** 1983 Nov;24(6):1007–15

Retroperitoneal bleeding due to a ruptured aneurysm of the middle colic artery. Kataoka M, et al. **Jpn J Surg** 1984 Mar;14(2):150–4

Spinal cord arteriovenous malformations associated with spinal aneurysms. Miyamoto S, et al. **Neurosurgery** 1983 Nov;13(5):577–80

Cerebral infarction and regression of widespread aneurysms in Kawasaki's disease: case report. Lapointe JS, et al. **Pediatr Radiol** 1984;14(1):1–5

Recurrent acute pancreatitis due to haemobilia from a hepatic artery aneurysm. Mee AS, et al. **Postgrad Med J** 1983 Sep; 59(695):590–2

Pancreatica magna aneurysm: rupture into the pancreatic duct. Salmassi S. **South Med J** 1983 Dec;76(12):1565–7

Renal cell carcinoma associated with renal artery aneurysm. Report of two cases. Selli C, et al. **Urol Int** 1983;38(6):374–7

[Case of cystic renal artery aneurysm associated with severe hypertension] Lin Y, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1983 Sep; 11(3):209–10 **(Chi)**

[Bleeding from an aneurysm of a gastric artery] Merkelbach JW, et al. **Ned Tijdschr Geneeskd** 1983 Aug 13; 127(33):1485–7 (Eng. Abstr.) **(Dut)**

[Involvement of the visual pathway in a giant aneurysm] Neetens A, et al. **Bull Mem Soc Fr Ophtalmol** 1983;95:261–7 **(Fre)**

[Extensive venous thrombosis disclosing an aneurysm of the common iliac artery] Gayet JL, et al. **J Mal Vasc** 1984; 9(2):159–62 (Eng. Abstr.) **(Fre)**

[Compression of the pelvic ureter by a hypogastric aneurysm] Guille F, et al. **J Urol (Paris)** 1983;89(9):635–7 (Eng. Abstr.) **(Fre)**

[Paralysis of the hypoglossal nerve caused by 2 aneurysms and a dissecting aneurysm of the internal carotid artery] Hommel M, et al. **Rev Neurol (Paris)** 1984;140(6–7):415–21 (Eng. Abstr.) **(Fre)**

[Cerebral ischemia in extracranial aneurysm of the internal carotid artery (letter)] Greulich W, et al. **Dtsch Med Wochenschr** 1983 Oct 14;108(41):1575 **(Ger)**

[Recurring ischemic syndrome in atypical popliteal artery aneurysm] Altland H, et al. **ROFO** 1984 Mar;140(3):345–7 **(Ger)**

[Arterial aneurysm of the liver with arterio-portal fistula: treatment using embolization] Baumann UA, et al. **Schweiz Med Wochenschr** 1984 Mar 31;114(13):451–3 (Eng. Abstr.) **(Ger)**

[Cervical rib syndrome with aneurysm of the subclavian artery. Clinical case] Antonini G, et al. **Riv Neurol** 1983 Sep–Oct;53(5):353–8 (Eng. Abstr.) **(Ita)**

[Case of coronary artery fistula with large coronary aneurysm] Arai S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Oct;31(10):1565–7 (Eng. Abstr.) **(Jpn)**

[Aortic valve insufficiency associated with mitral valve aneurysm] Hoshi E, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Aug;31(8):1330–6 (Eng. Abstr.) **(Jpn)**

[A case report of aorto-iliac aneurysms with huge left internal iliac artery aneurysm] Maruo K, et al. **Nippon Naika Gakkai Zasshi** 1984 Mar;73(3):414–9 **(Jpn)**

[Bilateral isolated aneurysms of the iliac arteries associated with reno-uretero-vesical malformations and with retroperitoneal fibrosis] Raso AM, et al. **Angiologia** 1984 Jan–Feb;36(1):19–24 (Eng. Abstr.) **(Spa)**

[Common hepatic artery aneurysm as the cause of obstructive jaundice and hemobilia] Flumeri E, et al. **GEN** 1982 Apr–Sep;36(2–3):217–28 (Eng. Abstr.) **(Spa)**

[Kawasaki disease. Presentation of 2 cases with aneurysms of the coronary arteries] Descalzo Señorans A, et al. **Rev Esp Cardiol** 1983;36(5):437–41 (Eng. Abstr.) **(Spa)**

CONGENITAL

Direct entry of the right superior vena cava into the left atrium with aneurysmal dilatation and stenosis at its entry into the right atrium with stenosis of the pulmonary veins: a rare case. Bharati S, et al. **Pediatr Cardiol** 1984 Apr–Jun; 5(2):123–6

DIAGNOSIS

Carotid pseudoaneurysm simulating Pancoast tumor. Rong SH. **AJR** 1984 Mar;142(3):495–6

Pulmonary artery aneurysms: echocardiographic features in 5 patients. Bhandari AK, et al. **Am J Cardiol** 1984 May 15;53(10):1438–41

Idiopathic multiple systemic aneurysms in a child. Fee H, et al. **Am J Dis Child** 1983 Nov;137(11):1101–2

Ultrasound of the abdominal aorta. Bluth EI. **Arch Intern Med** 1984 Feb;144(2):377–80

False aneurysm of the femoral artery due to an osteochondroma. Ennker J, et al. **Arch Orthop Trauma Surg** 1984;102(3):206–9

Acquired retinal macroaneurysms. Dewachter A, et al. **Bull Soc Belge Ophtalmol** 1982;201:105–11

A case of post-traumatic false aneurysm of the superior gluteal artery with compression of the sciatic nerve. Proschek R, et al. **Can J Surg** 1983 Nov;26(6):554–5

Two-dimensional echocardiographic detection of left pulmonary artery aneurysm following Potts' anastomosis. Lakhani ZM, et al. **Chest** 1983 Dec;84(6):782–3

Ruptured iliac artery aneurysms: analysis of 56 cases. Vo NM, et al. **Conn Med** 1983 Sep;47(9):535–8

Occlusive and aneurysmal disease of the renal arterial circulation. Stanley JC, et al. **DM** 1984 Apr;30(7):1–62 (106 ref.)

Aneurysm of the intrahepatic branch of the portal vein. Report of two cases. Ohnishi K, et al. **Gastroenterology** 1984 Jan;86(1):169–73

Internal carotid artery aneurysm: a singular anomaly. Evans CE. **Head Neck Surg** 1984 Jul–Aug;6(6):1043–50

Pseudoaneurysm of the pulmonary artery after the banding procedure: two-dimensional echocardiographic description. Foale RA, et al. **J Am Coll Cardiol** 1984 Feb; 3(2 Pt 1):371–4

Isolated aneurysm of the common iliac artery with rupture: report of a case. Caralis JP. **J Am Osteopath Assoc** 1983 Oct;83(2):149–51

Aneurysm of the inferior mesenteric artery. Vidal-Barraquer F, et al. **J Cardiovasc Surg (Torino)** 1983 Nov–Dec; 24(6):677–80

Abducens paresis. A rare presenting sign of posterior-inferior cerebellar artery aneurysm. Dumas S, et al. **J Clin Neuro Ophthalmol** 1982 Mar;2(1):55–60

Diagnosing coronary artery aneurysms in patients with mucocutaneous lymph node syndrome (Kawasaki's disease). Arensman FW, et al. **J Med Assoc Ga** 1984 Jul; 73(7):491–5

Coagulopathy and platelet activation in Kawasaki syndrome: identification of patients at high risk for development of coronary artery aneurysms. Burns JC, et al. **J Pediatr** 1984 Aug;105(2):206–11

Splenic artery aneurysms. Bradham RR, et al. **J SC Med Assoc** 1984 Feb;80(2):49–52 (11 ref.)

Aneurysms of the splenic artery: noninvasive diagnosis by pulsed Doppler sonography. Derchi LE, et al. **J Ultrasound Med** 1984 Jan;3(1):41–4

Two-dimensional echocardiographic imaging of distal right coronary artery in Kawasaki disease. Farooki ZQ, et al. **JCU** 1984 Jun;12(5):292–5

Cardiovascular manifestations of Kawasaki disease in an Australian population. Kesson AM, et al. **Med J Aust** 1984 May 12;140(10):586–8

Retinal macroaneurysms. Noble KG. **Ophthalmology** 1984 Jan;91(1):108–9

Bilateral retinal arteritis with multiple aneurysmal dilatations. Kincaid J, et al. **Retina** 1983;3(3):171–8

[Elongation of the right branches of the aortic arch simulating aneurysm] Weiss K, et al. **Rozhl Chir** 1984 Mar;63(3):204–8 (Eng. Abstr.) **(Cze)**

[Aneurysmal pseudospondylodiskitis] Glock Y, et al. **Ann Chir** 1984 Feb;38(1):58–61 (Eng. Abstr.) **(Fre)**

[Aneurysm of the subclavian artery: an unusual cause of mediastinal pseudotumor] Herman DP, et al. **Ann Med Interne (Paris)** 1983;134(7):651–2 (Eng. Abstr.) **(Fre)**

[A large aneurysm of the inferior mesenteric artery. Apropos of a case. Review of the literature] Lagneau P, et al. **J Mal Vasc** 1984;9(2):143–7 (Eng. Abstr.) **(Fre)**

[Aneurysm of the femoral vein and comparison of visual diagnostic methods] Mall T, et al. **Vasa** 1983;12(3):292–5 (Eng. Abstr.) **(Ger)**

[Aneurysm of the hepatic artery. Considerations apropos of 2 cases examined with non-invasive instrument technics and with angiography] Rabbia C, et al. **Minerva Cardioangiol** 1983 Sep;31(9):471–6 (Eng. Abstr.) **(Ita)**

[Visualization of peripheral left coronary aneurysms in Kawasaki disease by subcostal two-dimensional echocardiography] Maeda T, et al. **J Cardiogr** 1983 Dec; 13(4):881–91 (Eng. Abstr.) **(Jpn)**

[Diagnosis and prognosis of coronary artery lesions in Kawasaki disease. Coronary angiography and the conditions for its application (a score chart)] Asai T. **Nippon Rinsho** 1983 Sep;41(9):2080–5 **(Jpn)**

[Echocardiographic diagnosis and clinical observation of coronary lesions in Kawasaki disease] Yanagisawa M. **Nippon Rinsho** 1983 Sep;41(9):2086–91 **(Jpn)**

[Case of hepatic artery aneurysm in which echography and CT were useful for the diagnosis] Sohma M, et al. **Rinsho Hoshasen** 1983 Oct;28(10):1101–3 (Eng. Abstr.) **(Jpn)**

[Aneurysm of the renal artery] Hromadko M. **Lijec Vjesn** 1982 Nov–Dec;104(11–12):464–7 (Eng. Abstr.) **(Scr)**

ETIOLOGY

Two-dimensional echocardiographic identification of epicardial pacemaker wire perforation. Chazal RA, et al. **Am Heart J** 1984 Jan;107(1):165–7

Coronary artery aneurysm complicating bypass tract surgery for the Wolff–Parkinson–White syndrome. Shuck JW, et al. **Am J Cardiol** 1984 Jan 15;53(2):344–5

Anastomotic aneurysms. Briggs RM, et al. **Am J Surg** 1983 Dec;146(6):770–3

Recurrence of femoral anastomotic aneurysms. Carson SN, et al. **Am J Surg** 1983 Dec;146(6):774–8

Diffuse dilatation of autogenous saphenous vein grafts used to replace the renal and superior mesenteric arteries. A case report. Robicsek F, et al. **Angiology** 1984 Mar; 35(3):183–7

Biodegradation and aneurysm formation in umbilical vein grafts. Observations and a realistic strategy. Dardik H, et al. **Ann Surg** 1984 Jan;199(1):61–8

Femoral anastomotic false aneurysms. An 11-year experience analyzed with a case control study. Youkey JR, et al. **Ann Surg** 1984 Jun;199(6):703–9

Sports injury as cause of traumatic pseudoaneurysm of superficial temporal artery [letter] Manz HJ, et al. **Arch Pathol Lab Med** 1984 Oct;108(10):775–6

Infected venous pseudoaneurysm. A complication of drug addiction. Johnson JE, et al. **Arch Surg** 1984 Sep; 119(9):1097–8

Coronary artery aneurysms and Kawasaki's disease in an adult. Oliveira DB, et al. **Br Heart J** 1984 Jan;51(1):91–3

Aneurysm of left ventricle and left coronary artery after non-penetrating chest trauma. Stone DL, et al. **Br Heart J** 1983 Nov;50(5):495–7

The mechanism of transluminal angioplasty: evidence for formation of aneurysms in experimental atherosclerosis. Sanborn TA, et al. **Circulation** 1983 Nov;68(5):1136–40

Unusual complication following division of PDA. Kanetkar AV, et al. **Indian Heart J** 1983 May–Jun;35(3):164–8

False aneurysm following blunt trauma. Mikulin T, et al. **Injury** 1984 Mar;15(5):309–10

Ruptured anastomotic pseudoaneurysms after prosthetic vascular graft bypass procedures. Gutman H, et al. **Isr J Med Sci** 1984 Jul;20(7):613–7

Aneurysmal degeneration of Blalock–Taussig shunts: identification and surgical treatment options. Scott WC, et al. **J Am Coll Cardiol** 1984 May;3(5):1277–81

False popliteal aneurysm caused by exostosis of the femur. Hasselgren PO, et al. **J Cardiovasc Surg (Torino)** 1983 Sep–Oct;24(5):540–2

Bowler's thumb [letter] Pons RK. **J Hand Surg** 1983 Sep;8(5 Pt 1):630

Giant cell arteritis causing brachial artery aneurysm in an eight-year-old child. Holleman JH Jr, et al. **J Miss State Med Assoc** 1983 Dec;24(12):327–8

Traumatic pseudoaneurysm of the axillary artery: report of three cases and literature review. Gallen J, et al. **J Trauma** 1984 Apr;24(4):350–4

Repeated subselective renal embolization following pyelolithotomy: angiographic salvage of a kidney. Gordon RL, et al. **J Urol** 1984 Feb;131(2):324–6

Acute febrile mucocutaneous lymph node syndrome with multiple aneurysms: report of a case. Harada K, et al. **Pediatr Cardiol** 1983 Jul–Sep;4(3):215–8

Occlusive and aneurysmal aortoiliac disease. Dealing with the consequences of atherosclerosis. Graor RA. **Postgrad Med** 1984 May 15;75(7):61–72

False aneurysm of the profunda femoris artery as a late complication of upper femoral osteotomy. A case report. Mackenzie DB, et al. **S Afr J Surg** 1983 Dec;21(4):255–62

Case report 241. Post-traumatic pseudoaneurysm of the axillary artery producing pseudotumor of the humerus. White EM, et al. **Skeletal Radiol** 1983;10(3):178–82

Atherosclerotic aneurysm formation in a femoropopliteal saphenous vein graft. Cloud W, et al. **South Med J** 1984 May;77(5):652–7

Host–artery weakness in the etiology of femoral anastomotic false aneurysms. McCabe CJ, et al. **Surgery** 1984 Feb; 95(2):150–3

Posttraumatic vertebral artery aneurysm and arteriovenous fistula: a case report. Roper PR, et al. **Surgery** 1984 Sep; 96(3):556–9

Arterial pseudoaneurysm in a haemodialysis patient. Fransson SG, et al. **Vasa** 1983;12(3):281–3

[Rupture of a splenic artery aneurysm in a woman suffering from Wilson's disease] Härkönen N. **Duodecim** 1984; 100(6):355–7 **(Fin)**

[False prosthetic aneurysms. Evaluation of etiologic factors] Chopin D, et al. **J Chir (Paris)** 1983 Nov;120(11):603–9 (Eng. Abstr.) **(Fre)**

[Spontaneous rupture of an aneurysm of the splenic artery in pregnancy. Apropos of a new case] Buchet C, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1984;13(2):157–63 (Eng. Abstr.) **(Fre)**

[Recurrent polychondritis with renal microaneurysms and segmental necrotizing glomerulonephritis] Bourbigot B, et al. **Rev Med Interne** 1984 Jun;5(2):107–9 (Eng. Abstr.) **(Fre)**

[Anastomotic aneurysms as a late complication of reconstructive vascular surgery of the lower extremity] Tuchmann A, et al. **Langenbecks Arch Chir** 1984; 362(2):89–95 (Eng. Abstr.) **(Ger)**

[A case of popliteal pseudoaneurysm caused by femoral exostoses] Zini F, et al. **Acta Biomed Ateneo Parmense** 1984; 55(1):43–7 (Eng. Abstr.) **(Ita)**

[Iatrogenic aneurysm of the superficial femoral artery secondary to semi-closed thromboendoarteriectomy] Cassinelli GB, et al. **Minerva Cardioangiol** 1984 Apr; 32(4):199–202 (Eng. Abstr.) **(Ita)**

[Aneurysms of the popliteal artery] Pegoraro M, et al. **Minerva Chir** 1984 Feb 28;39(4):217–20 (Eng. Abstr.) **(Ita)**

[Posttraumatic pseudoaneurysm of the facial artery. A clinical case] Bozzetti A, et al. **Minerva Stomatol** 1983 Jul–Aug; 32(4):529–32 (8 ref.) (Eng. Abstr.) **(Ita)**

[Experimental study of tensile strength at arterioprosthetic anastomosis] Kumamoto Y. **Nippon Geka Gakkai Zasshi** 1984 Feb;85(2):102–9 (Eng. Abstr.) **(Jpn)**

[Isolated aneurysm of the external iliac artery caused by non-specific angiitis] Usui Y, et al. **Nippon Geka Gakkai Zasshi** 1983 Dec;84(12):1291–5 (Eng. Abstr.) **(Jpn)**

[A case of pancreatic pseudocyst with pseudoaneurysm of splenic artery] Yamamoto S, et al. **Rinsho Hoshasen** 1984 Apr;29(4):523–5 (Eng. Abstr.) **(Jpn)**

[Pseudoaneurysm (aneurysma spurium) of the external iliac artery as a complication of total alloplasty of the hip joint] Patryn A, et al. **Chir Narzadow Ruchu Ortop Pol** 1983; 48(4):359–62 (Eng. Abstr.) **(Pol)**

[Traumatic aneurysm of the superficial temporal artery: report of a case] Roca GR, et al. **Arq Neurospiquiatr** 1984 Jun;42(2):179–82 (Eng. Abstr.) **(Por)**

[Aneurysm of the right pulmonary artery following atypical Blalock–Taussig fistula. Surgical correction] Caffarena Raggio JM, et al. **Rev Esp Cardiol** 1984 Jul–Aug; 37(4):294–7 (Eng. Abstr.) **(Spa)**

[Late vascular complication after hip arthroplasty] Thorblad J. **Lakartidningen** 1983 Oct 12;80(41):3817–8 **(Swe)**

MICROBIOLOGY

Bacterial presence in aortic thrombus at elective aneurysm resection: is it clinically significant? McAuley CE, et al. **Am J Surg** 1984 Mar;147(3):322–4

[Aneurysm of the superficial femoral artery infected by Salmonella enteritidis] Montejo Baranda M, et al. **Rev Clin Esp** 1983 Jun 15–30;169(5–6):369–70 **(Spa)**

PATHOLOGY

Systematic visualization of coronary arteries by two-dimensional echocardiography in children and infants: evaluation in Kawasaki's disease and coronary arteriovenous fistulas. Satomi G, et al. **Am Heart J** 1984 Mar;107(3):497–505

Aneurysms of the carotid arteries. Krupski WC, et al. **Aust NZ J Surg** 1983 Dec;53(6):521–5

Single renal artery aneurysm measuring 10cm. in diameter. Radwine LS, et al. **IMJ** 1984 Jan;165(1):38–9

A case report of a true aneurysm of a digital artery. Turner S, et al. **J Hand Surg [Br]** 1984 Jun;9(2):205–6

Aneurysm of the coronary sinus. Ho SY, et al. **Thorax** 1983 Sep;38(9):686–9

[Quantification of diabetic retinopathy; yes or no?] Bernsmeier H, et al. **Fortschr Ophthalmol** 1983;80(4):342–4 (Eng. Abstr.) **(Ger)**

[Malum bisiliacum senile] Giampalmo A, et al. **Pathologica** 1983 Mar–Apr;75(1036):165–7 (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

Elastolytic and collagenolytic studies of arteries. Implications for the mechanical properties of aneurysms. Dobrin PB, et al. **Arch Surg** 1984 Apr;119(4):405–9

Calculation of pulsatile flow and particle paths in an aneurysm-model. Perktold K, et al. **Basic Res Cardiol** 1984 May–Jun;79(3):253–61

PREVENTION & CONTROL

[Therapy of Kawasaki disease in the acute phase: steroid and aspirin therapy] Kato H, et al. **Nippon Rinsho** 1983 Sep; 41(9):2092–6 **(Jpn)**

[Prevention and treatment of coronary lesions in Kawasaki disease. Treatment with anti-platelet agents and aspirin: optimum dosages and their evaluation] Shirahata A, et al. **Nippon Rinsho** 1983 Sep;41(9):2103–10 **(Jpn)**

RADIOGRAPHY

Multiple intrapetrous aneurysms of the internal carotid artery. Kudo S, et al. **AJNR** 1983 Sep–Oct;4(5):1119–21

Ductus arteriosus aneurysm in an adult. Danza FM, et al. **AJR** 1984 Jul;143(1):131–3

Rupture of a coronary bypass graft aneurysm: CT evaluation and coil occlusion therapy. Shapeero LG, et al. **AJR** 1983 Nov;141(5):1060–2

Computed tomography in the assessment of peripheral arterial disease. Wright CH, et al. **Australas Radiol** 1983 Jul;27(2):174–7

Aneurysm of an aberrant right subclavian artery—computed tomography. Lupetin AR. **Cardiovasc Intervent Radiol** 1984;7(2):84–6

Spontaneous portal-hepatic venous shunt via an intrahepatic portal vein aneurysm. Takayasu K, et al. **Gastroenterology** 1984 May;86(5 Pt 1):945–8

Difficulty in diagnosing hemobilia from a hepatic artery aneurysm: value of endoscopic retrograde cholangiography. Wilkinson M, et al. **Gastrointest Radiol** 1984;9(3):223–6

Lumbar artery pseudoaneurysm: CT demonstration. Hulnick DH, et al. **J Comput Assist Tomogr** 1984 Jun;8(3):570–2

Inferior mesenteric artery aneurysm: demonstration by computed tomography. Nino-Murcia M, et al. **J Comput Assist Tomogr** 1984 Jun;8(3):564–6

Computerized tomographic diagnosis of isolated left brachiocephalic vein aneurysm: case report. Newell J, et al. **Milit Med** 1983 Aug;148(8):663–5

Congenital hepatic artery aneurysm simulating pancreatic carcinoma. Gavin PM, et al. **Radiology** 1984 Sep; 152(3):607–8

False aneurysm of the internal iliac artery with involvement of the reproductive tract. A case report. O'Leary RK, et al. **S Afr Med J** 1984 Aug 4;66(5):188–9

Angiographically discovered, non-operated renal artery aneurysms. Henriksson C, et al. **Scand J Urol Nephrol** 1984; 18(1):59–62

Occlusive thromboaortopathy (Takayasu's disease): cervical arterial stenoses, retinal arterial pressure, retinal microaneurysms and prognosis. Ishikawa K, et al. **Stroke** 1983 Sep–Oct;14(5):730–5

[Coronary artery aneurysms] Sievert H, et al. **Dtsch Med Wochenschr** 1984 Aug 17;109(33):1236–40 (Eng. Abstr.) **(Ger)**

[Intravenous subtraction angiography in Ehlers–Danlos syndrome with recurring carotid aneurysm] Hamm B, et al. **ROFO** 1984 Mar;140(3):343–5 **(Ger)**

[Vascular dilatations in the coronary angiogram] Hinterauer L, et al. **ROFO** 1983 Nov;139(5):480–6 (Eng. Abstr.) **(Ger)**

[Arterial injury, associated with a pertrochanteric femoral fracture, posing diagnostic problems] Palkonyay G. **Magy Traumatol Orthop Helyreallito Sebesz** 1984; 27(2):151–4 (Eng. Abstr.) **(Hun)**

[Aneurysm of the pulmonary artery] Sokolov AA, et al. **Vestn Rentgenol Radiol** 1983 Jul–Aug;(4):82–3 **(Rus)**

RADIONUCLIDE IMAGING

Splenic artery aneurysm diagnosed by Tc-99m abdominal flow study. Abdel-Dayem HM, et al. **Clin Nucl Med** 1984 Jan;9(1):43

Gastroduodenal artery aneurysm detected by radionuclide studies. Orellana P, et al. **Clin Nucl Med** 1983 Nov; 8(11):540–2

A case of aneurysm of the jugular and mediastinal veins—radioisotopic blood pool study of venous aneurysm. Furukawa T, et al. **Eur J Nucl Med** 1984;9(4):196–8

SURGERY

Aneurysms of the popliteal artery. Takolander RJ, et al. **Acta Chir Scand** 1984;150(2):135–40

Common carotid artery—internal jugular vein aneurysms and fistula with cerebrovascular signs. A case report. Kurti X, et al. **Acta Neurochir (Wien)** 1984;71(1–2):109–11

Popliteal aneurysms. A clinical appraisal. Mangiante EC, et al. **Am Surg** 1984 Sep;50(9):469–72

Epidural anaesthesia for vascular surgery in a patient with primary pulmonary hypertension. Davies MJ, et al. **Anaesth Intensive Care** 1984 May;12(2):165–7

Extracranial carotid artery aneurysms. Dehn TC, et al. **Ann R Coll Surg Engl** 1984 Jul;66(4):247–50

Aneurysm of an aberrant right subclavian artery: repair using circulatory arrest. Baillot RG, et al. **Cleve Clin Q** 1984 Spring;51(1):173–5

Traumatic pseudo-aneurysms of the brachial artery in children. Rao PL, et al. **Indian J Pediatr** 1983 Jan–Feb; 50(402):85–8

Ulnar artery aneurysm of the hand. Bayle E, et al. **Int Surg** 1983 Jul–Sep;68(3):215–7

Atherosclerotic aneurysm of the subclavian artery. Lombardo R, et al. **J Cardiovasc Surg (Torino)** 1983 Nov–Dec;24(6):675–6

The direct surgical management of lesions of the high internal carotid artery. Pellegrini RV, et al. **J Cardiovasc Surg (Torino)** 1984 Jan–Feb;25(1):29–35

True aneurysm of a thumb digital artery. Dangles CJ. **J Hand Surg [Am]** 1984 May;9(3):444–5

Management of aneurysms of the petrous portion of the internal carotid artery by resection and primary anastomosis. Glassock ME 3d, et al. **Laryngoscope** 1983 Nov;93(11 Pt 1):1445–53

Spontaneous rupture of splenic artery aneurysm: sixth instance of both maternal and fetal survival. Mehrotra D, et al. **Obstet Gynecol** 1983 Nov;62(5):665–6

Renal artery aneurysm. Ex vivo repair and autotransplantation. Bugge–Asperheim B, et al. **Scand J Urol Nephrol** 1984;18(1):63–6

Resection of false aneurysm from angioaccess of forearm. Tanchajja S, et al. **Surg Gynecol Obstet** 1983 Nov; 157(5):479

Renal artery aneurysms in solitary kidney of woman with potentiality of pregnancy. Harada T, et al. **Urology** 1984 Jun;23(6):578–81

[Vertebral–basilar aneurysm] Huang S. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1983 Jun; 16(3):184–9 **(Chi)**

[Peripheral aneurysm: analysis of 65 cases] Wang JJ. **Chung Hua Wai Ko Tsa Chih** 1983 Apr;21(4):233–5 **(Chi)**

[Aneurysms of the pancreatico–duodenal arteries (apropos of 2 cases)(letter)] Thévenet A, et al. **Chirurgie** 1983; 109(8):668–70 **(Fre)**

[Aneurysms of the celiac trunk. Review of the literature. Personal deductions apropos of 2 cases] Batt M, et al. **J Chir (Paris)** 1984 Feb;121(2):105–17 (Eng. Abstr.) **(Fre)**

[A case of aneurysm of the deep femoral artery] Ferrero S, et al. **Minerva Cardioangiol** 1983 Sep;31(9):469–70 (Eng. Abstr.) **(Ita)**

[Re–interventions in aorto–iliac vascular surgery] Scintu F, et al. **Minerva Cardioangiol** 1983 Nov;31(11):647–51 (Eng. Abstr.) **(Ita)**

[Aneurysm of the descending thoracic aorta associated with left subclavian artery aneurysm] Kusaba E, et al. **Kyobu Geka** 1983;36(7):548–9 (Eng. Abstr.) **(Jpn)**

[Anesthetic management of carotid arterial aneurysm and vascular reconstruction] Kainuma M, et al. **Masui** 1983 Nov;32(11):1397–400 (Eng. Abstr.) **(Jpn)**

[Aneurysms of vascular anastomoses. Methods of surgical treatment] Fluture V, et al. **Rev Chir [Chir]** 1983 Nov–Dec; 32(6):421–7 (Eng. Abstr.) **(Rum)**

[Surgical treatment of post–traumatic arterial pseudoaneurysms and arteriovenous fistulas] Komarov IA, et al. **Khirurgiia (Mosk)** 1983 Dec;(12):37–43 (Eng. Abstr.) **(Rus)**

[Surgical treatment of aneurysms of the renal arteries] Kniazev MD, et al. **Klin Khir** 1983 Jul;(7):24–7 (Eng. Abstr.) **(Rus)**

[Reconstructive surgery for traumatic aneurysms of the major vessels] Gambarin BL, et al. **Vestn Khir** 1983 Jul; 131(7):66–9 (Eng. Abstr.) **(Rus)**

[Ligation of the 3d portion of the vertebral artery] Kalimullin KhA, et al. **Vestn Khir** 1983 Nov;131(11):71–2 **(Rus)**

[Surgery of extracranial aneurysms of the carotid and vertebral arteries] Kniazev MD, et al. **Vestn Khir** 1983 Sep; 131(9):9–13 (Eng. Abstr.) **(Rus)**

[Surgical treatment of arteriovenous fistulas and aneurysms] Vasiutkov VIa, et al. **Vestn Khir** 1984 Jan;132(1):86–8 (Eng. Abstr.) **(Rus)**

THERAPY

Intraaneurysmal embolization of a pulmonary artery aneurysm for control of hemoptysis. Davidoff AB, et al. **AJR** 1984 May;142(5):1019–20

False aneurysm treated by a combined approach of coil embolization and autologous vascular grafting. Kretschmer G, et al. **Cardiovasc Intervent Radiol** 1984;7(1):31–4

Transcatheter embolization of a leaking pseudoaneurysm of saphenous vein aortocoronary bypass graft. Kim D, et al. **Cathet Cardiovasc Diagn** 1983;9(6):591–4

Embolisation of gastroduodenal artery aneurysm caused by chronic pancreatitis. Thakker RV, et al. **Gut** 1983 Nov; 24(11):1094–8

Ruptured subclavian artery aneurysm: ballon catheter for the immediate control of haemorrhage. Subbarao KS, et al. **J Indian Med Assoc** 1983 Aug;81(3–4):56–7

Pancreaticoduodenal artery aneurysm: nonoperative management. Harbin S, et al. **J Med Assoc Ga** 1983 Sep; 72(9):627–8

[Embolization of a large pedunculated aneurysm of the brachiocephalic trunk with Gianturco spirals] Romaniuk P, et al. **Radiol Diagn (Berl)** 1983;24(5):585–8 (Eng. Abstr.) **(Ger)**

[Roentgenoendovascular occlusion of post–traumatic intrahepatic aneurysm] Riabukhin IA, et al. **Khirurgiia (Mosk)** 1984 Feb;(2):133–4 **(Rus)**

VETERINARY

Aneurysms in a large colony of squirrel monkeys (Saimiri sciureus). Strickland HL, et al. **Lab Anim Sci** 1983 Dec; 33(6):589–92

ANEURYSM, ARTERIOVENOUS see **ARTERIOVENOUS FISTULA**

ANEURYSM, ARTERIOVENOUS, CONGENITAL see **ARTERIOVENOUS MALFORMATIONS**

ANEURYSM, ARTERIOVENOUS, CONGENITAL, CEREBRAL see **CEREBRAL ARTERIOVENOUS MALFORMATIONS**

ANEURYSM, DISSECTING

CHEMICALLY INDUCED

Dissecting aneurysm of aorta in rats fed with cysteamine. Jayaraj AP. **Br J Exp Pathol** 1983 Oct;64(5):548–52

CLASSIFICATION

[A new classification of aortic dissection] Ijima H, et al. **Kyobu Geka** 1984 Apr;37(4):260–6 (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

Spontaneous primary dissecting coronary artery aneurysm. Report of two cases. Glasgow BJ, et al. **Am J Forensic Med Pathol** 1984 Jun;5(2):155–9

Superior mesenteric artery syndrome due to large dissecting abdominal aortic aneurysm. Edwards KC, et al. **Am J Gastroenterol** 1984 Jan;79(1):72–4

Painless aortic dissection: an unusual cause of syncope. Kuhlmann TP, et al. **Ann Emerg Med** 1984 Jul;13(7):549–51

Coincident rupture of berry aneurysm and aortic dissection during sexual intercourse. Lovas JG, et al. **Arch Pathol Lab Med** 1984 Apr;108(4):271–2

Dissection of interventricular septum by aneurysm of sinus of Valsalva. A rare complication diagnosed by echocardiography. Chen WW, et al. **Br Heart J** 1983 Sep; 50(3):293–5

CT diagnosis of hemopericardium in acute dissecting aneurysm of the thoracic aorta. Meziane MA, et al. **J Comput Assist Tomogr** 1984 Feb;8(1):10–4

Noninvasive diagnosis of thrombus in the heart and large vessels—usefulness of two–dimensional echocardiography and X–ray CT. Masuda Y, et al. **Jpn Circ J** 1984 Jan; 48(1):83–9

Double lumen dissecting aneurysms of the internal carotid artery in fibromuscular dysplasia: case report. Garcia–Merino JA, et al. **Stroke** 1983 Sep–Oct;14(5):815–8

[Isolated dissection of the renal artery and arterial hypertension] Janvresse A, et al. **Rev Med Interne** 1983 Sep;4(3):263–5 **(Fre)**

[Dissecting aneurysm of the ascending aorta in aortic insufficiency, pericardial effusion and infarction] Goebel N, et al. **Vasa** 1983;12(4):390–4 (Eng. Abstr.) **(Ger)**

[Massive hematuria due to renal artery aneurysm] Waron M, et al. **Harefuah** 1983 Feb 1;104(3):92–4 (Eng. Abstr.) **(Heb)**

[Effects of combined use of captopril and furosemide on patients with hypertensive crisis in acute aortic dissection] Mori K, et al. **Kokyu To Junkan** 1984 Jun;32(6):633–9 (Eng. Abstr.) **(Jpn)**

[Post–traumatic dissecting aneurysm of a branch of the renal artery as a cause of arterial hypertension] Szmigielski W, et al. **Pol Przegl Radiol (Warszawa)** 1983 Mar–Apr; 47(2):161–2 (Eng. Abstr.) **(Pol)**

[Supravalvular rupture of the arch of the aorta in food poisoning] Brodov LE, et al. **Ter Arkh** 1983;55(10):72–4 (9 ref.) (Eng. Abstr.) **(Rus)**

[Ischemia of the lower limbs in dissecting aneurysm of the aorta] Ermolaev VL, et al. **Vestn Khir** 1983 Nov; 131(11):72–4 **(Rus)**

DIAGNOSIS

Unusual echographic findings in aortic dissection: diastolic prolapse of intimal flap into left ventricle. Come PC, et al. **Am Heart J** 1984 Apr;107(4):790–2

Rupture of dissecting aortic aneurysm into the right atrium: clinical and echocardiographic recognition. Nicod P, et al. **Am Heart J** 1984 Jun;107(6):1276–8

Unusual echocardiographic image of ascending aortic aneurysm dissection. Steriotis J, et al. **Am Heart J** 1984 May;107(5 Pt 1):1023–5

Two–dimensional and Doppler echocardiographic evaluation of aortic aneurysm and dissection. Mathew T, et al. **Am J Cardiol** 1984 Aug 1;54(3):379–85

Marfan's syndrome: acute aortic dissection during labor, resulting in fetal distress and cesarean section, followed by successful surgical repair. Ferguson JE 2d, et al. **Am J Obstet Gynecol** 1983 Dec 1;147(7):759–62

Dissecting thoracic aortic aneurysm in a 16–year–old. Salzberg MR, et al. **Ann Emerg Med** 1984 Mar;13(3):191–3

Acute dissection of the ascending aorta. Initial presentation as acute lower GI bleeding. Sabbagh AH, et al. **Chest** 1983 Oct;84(4):493–4

Aortic dissection presenting with hemoptysis: diagnostic confirmation of dissection and leak by computerized tomography. Barbash GI, et al. **Heart Lung** 1983 Nov; 12(6):633–5

Echocardiography in the diagnosis of Marfan's syndrome. Fulton R, et al. **IMJ** 1984 Feb;165(2):89–91

Two–dimensional echocardiographic recognition of an aortic intimal flap prolapsing into the left ventricular outflow tract. Sraow JS, et al. **J Am Coll Cardiol** 1984 Jul;4(1):180–2

Aortic aneurysm masquerading as acquired pulmonic stenosis. Sahasakul Y, et al. **J Med Assoc Thai** 1984 Feb; 67(2):118–23

Occult thoraco–abdominal dissecting aneurysm in a patient with Marfan's syndrome—diagnosis by real–time ultrasound. Goodman A, et al. **JCU** 1984 Feb;12(2):115–9

Dissecting aneurysm in a patient with Marfan's syndrome: recognition of extensive involvement of the aorta by two–dimensional echocardiography. Mattleman S, et al. **JCU** 1984 May;12(4):219–21

Dissecting aneurysm of the femoral and popliteal arteries. Page MH, et al. **Med J Aust** 1984 Jan 7;140(1):24–5

Acute disease of the aorta. Diagnosis by computed tomography and ultrasonography. Godwin JD, et al. **Radiol Clin North Am** 1983 Sep;21(3):551–74 (112 ref.)

[Echocardiographic study of aortic dissection] Fang BR, et al. **Taiwan I Hsueh Hui Tsa Chih** 1984 Apr;83(4):359–67 (Eng. Abstr.) **(Chi)**

[Dissecting aneurysms of the internal carotid, vertebral and cerebral arteries] Drábek P. **Cesk Neurol Neurochir** 1983 Nov;46(6):413–23 (Eng. Abstr.) **(Cze)**

[Dissecting aneurysm of the aorta (letter)] Blom WA. **Ned Tijdschr Geneeskd** 1984 Jan 7;128(1):43–4 **(Dut)**

[A patient with dissecting aneurysm of the aorta] Speelberg B, et al. **Ned Tijdschr Geneeskd** 1983 Oct 22;127(43):1955–9 (Eng. Abstr.) **(Dut)**

[Spontaneous dissecting aneurysms of the cerebral arteries] Gautier JC, et al. **Ann Med Interne (Paris)** 1983; 134(5):458–64 (70 ref.) (Eng. Abstr.) **(Fre)**

[Aneurysm of the splenic artery. Chronic abdominal pain secondary to dissection (letter)] Panzer JM, et al. **Presse Med** 1984 Mar 3;13(9):565 **(Fre)**

[Dissecting aneurysm of the internal carotid with ophthalmologic manifestations] Camuzet F, et al. **Rev Otoneuroophtalmol** 1984 Jan–Feb;56(1):27–9 (Eng. Abstr.) **(Fre)**

[Aortic pseudo–valvular image with diastolic eccentricity of the semilunaris. A specific sign of aortic dissection?] Capezzuto A, et al. **G Ital Cardiol** 1983 Sep;13(9):205–7 (Eng. Abstr.) **(Ita)**

[Dissecting aneurysm of the ascending portion and arch of the aorta simulating an acute cerebral circulatory disorder] El'iashevich GP. **Vrach Delo** 1983 Oct;(10):29–30 (0 ref.) **(Rus)**

ETIOLOGY

Progressive thoracic aortic dilatation after aortic valve replacement. Nancarrow PA, et al. **AJR** 1984 Apr; 142(4):669–72

Risk factors for aortic dissection: a necropsy study of 161 cases. Larson EW, et al. **Am J Cardiol** 1984 Mar 1; 53(6):849–55

Aortic dissection in Noonan's syndrome (46 XY turner). Shachter N, et al. **Am J Cardiol** 1984 Aug 1;54(3):464–5

Coronary artery spasm superimposed on coronary artery dissection. Tortoledo FA, et al. **Am J Cardiol** 1984 Jan 15;53(2):363–4

'Headbanging' and carotid dissection. Jackson MA, et al. **Br Med J [Clin Res]** 1983 Oct 29;287(6401):1262

Bilateral renal artery dissections: unusual complication of polyarteritis nodosa. Hekali PE, et al. **Eur J Radiol** 1984 Feb;4(1):6–8

Aortic dissecting aneurysm and aorta–right atrial fistula as a late complication of coronary surgery. Büchler JR, et al. **Int J Cardiol** 1983 Sep;4(2):192–4

Elevation of plasma renin activity during pregnancy and rupture of a dissecting aortic aneurysm in a patient with primary aldosteronism. Shimizu A, et al. **Jpn Heart J** 1983 Nov;24(6):995–1006

[Aortic dissection and Horton's disease. 2 cases] Penin F, et al. **Ann Med Interne (Paris)** 1984;135(2):153–7 (Eng. Abstr.) **(Fre)**

[Dissection of the ascending aorta after aortic valve replacement] Le Heuzey JY, et al. **Arch Mal Coeur** 1983 Nov;76(11):1349–56 (Eng. Abstr.) **(Fre)**

[Dissection of the vertebral arteries after manipulation of the cervical spine. Apropos of a case] Cellerier P, et al. **J Radiol** 1984 Mar;65(3):191–6 (Eng. Abstr.) **(Fre)**

[Rupture of a dissecting aneurysm of the ascending aorta 10 years after therapy of coarctation. Apropos of a case of a 10–year–old girl] Laborde F, et al. **Sem Hop Paris** 1983 Nov 17;59(42):2937–8 (Eng. Abstr.) **(Fre)**

[Traumatic dissection and pseudoocclusion of the internal carotid artery and its spontaneous recanalization] Bewermeyer H, et al. **ROFO** 1984 Jun;140(6):728–31 **(Ger)**

[Dissecting aneurysm of the ascending aorta with rupture into the pulmonary artery. A late complication of aortic valve replacement] Goebel N, et al. **ROFO** 1983 Oct; 139(4):447–9 **(Ger)**

[Unusual aortic aneurysm in Marfan syndrome. A case study] Niggli F, et al. **Vasa** 1983;12(3):274–80 (Eng. Abstr.) **(Ger)**

[Fatal case of retrograde aortic dissection developing during cardiopulmonary bypass] Hayashibe Y, et al. **Kyobu Geka** 1983 Jun;36(6):510–3 (Eng. Abstr.) **(Jpn)**

[2 cases of aortic dissection during cardiopulmonary bypass via femoral arterial cannulation and its etiology] Koyama Y, et al. **Kyobu Geka** 1983 Aug;36(8):661–6 (Eng. Abstr.) **(Jpn)**

[A case of dissecting aneurysm DeBakey type IIIb associated with pheochromocytoma] Tang TC, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Feb;32(2):261–7 (Eng. Abstr.) **(Jpn)**

[Stenosing dissections (dissecting aneurysms) of the major arteries of the brain; their etiology, pathogenesis and diagnosis (a review)] Matsko DE, et al. **Zh Nevropatol Psikhiatr** 1984;84(7):1074–9 (73 ref.) **(Rus)**

[Spontaneous dissection of the coronary arteries] Solorzano Martín CJ, et al. **Arch Inst Cardiol Mex** 1984 Mar–Apr; 54(2):177–9 (Eng. Abstr.) **(Spa)**

MORTALITY

Independent determinants of operative mortality for patients with aortic dissections. Miller DC, et al. **Circulation** 1984 Sep;70(3 Pt 2):I153–64

Long-term survival of patients with treated aortic dissection. Doroghazi RM, et al. **J Am Coll Cardiol** 1984 Apr; 3(4):1026–34

PATHOLOGY

Chest pain, collapse, and death in late pregnancy [clinical conference] **Am J Med** 1983 Oct;75(4):691–6

Dissecting aneurysm of the pulmonary artery associated with brain abscess: a case report. Hemachuda S, et al. **Clin Neuropathol** 1983;2(4):179–81

Dissecting aneurysm of intracranial vertebral artery: case report and review of literature. Manz HJ, et al. **J Neurol** 1983;230(1):25–35

Case record: Rhode Island Hospital [clinical conference] Albala MM, et al. **RI Med J** 1984 Jan;67(1):35–40

Spontaneous dissecting aneurysm of the renal arteries. A case and a review of the literature. Baandrup U, et al. **Virchows Arch [A]** 1983;402(1):73–82 (37 ref.)

[A case of tuberculous myocarditis and rupture of a dissecting aortic aneurysm and of the left coronary artery of the heart during surgery for an aortic heart defect] Nesheva P, et al. **Vutr Boles** 1984;23(2):135–40 (Eng. Abstr.) **(Bul)**

[Aortic dissection] Jauslin PA. **Rev Med Suisse Romande** 1984 Feb;104(2):169–72 **(Fre)**

[Histological responses following implantation of the ringed intraluminal graft in dissecting aneurysm—autopsy findings and discussion on 2 cases with De Bakey type I dissecting aneurysm] Tamura K, et al. **Kyobu Geka** 1983;36(7):560–4 (Eng. Abstr.) **(Jpn)**

[Dissecting aneurysm of the vertebro-basilar artery. Case report] Yokoyama M, et al. **Neurol Med Chir (Tokyo)** 1984 May;24(5):343–8 (Eng. Abstr.) **(Jpn)**

[Case of aortic aneurysm rupture] Myslitskaia GV, et al. **Klin Med (Mosk)** 1984 Mar;62(3):131–3 **(Rus)**

PHYSIOPATHOLOGY

[ECG findings in dissecting aneurysms of the aorta—with special reference to the acute stage] Yamaguchi I, et al. **Kokyu To Junkan** 1983 Oct;31(10):1091–8 **(Jpn)**

[An experimental study on dissecting aortic aneurysm] Takeoka T. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Feb; 32(2):174–86 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

Spontaneous cervical cephalic arterial dissection and its residuum: angiographic spectrum. Houser OW, et al. **AJNR** 1984 Jan–Feb;5(1):27–34

Renal infarction due to renal artery dysplasia with dissection. Report of a case in a normotensive patient. Hasday JD, et al. **Am J Med** 1984 May;76(5):943–6

Superior mediastinal obstruction with aortic dissection after aortic valve replacement. Diagnosis by computed tomography. Stone DL, et al. **Br Heart J** 1984 May; 51(5):565–7

The radiographic appearance of coronary artery dissection: a decision-making dilemma. Gutierrez FR, et al. **Cardiovasc Intervent Radiol** 1984;7(2):65–70

Primary dissecting aneurysms of the coronary arteries: case report and literature review. Mathieu D, et al. **Cardiovasc Intervent Radiol** 1984;7(2):71–4 (35 ref.)

Angioplasty catheter communication mimicking coronary arterial dissection. Kern MJ, et al. **Cathet Cardiovasc Diagn** 1983;9(4):401–5

The diagnosis of aortic dissection. Dee P, et al. **Curr Probl Diagn Radiol** 1983 Nov–Dec;12(6):3–56

Aortic dissection: CT and angiographic comparisons. Neumann CH, et al. **Digitale Bilddiagn** 1984 Mar;4(1):14–7

Streak artefacts of the thoracic aorta: pseudodissection. Gallagher S, et al. **J Comput Assist Tomogr** 1984 Aug; 8(4):688–93

Spontaneous dissection of the internal carotid artery. Clinical, radiologic and evolutive aspects. Apropos of 46 cases. Sellier N, et al. **J Neuroradiol** 1983;10(3):243–59 **(Eng, Fre)**

Misleading aortographic finding in acute aortic dissection explained. Jamieson NV. **J R Soc Med** 1984 May; 77(5):427–9

The role of computed tomography in the evaluation of dissecting aortic aneurysms [letter] Danza FM, et al. **Radiology** 1984 Sep;152(3):827–9

A dissecting aneurysm of the vertebral artery. Miyazaki S, et al. **Surg Neurol** 1984 Feb;21(2):171–4

Dissecting aortic aneurysm diagnosed by computed tomography: experience of 37 cases. Su CT, et al. **Taiwan I Hsueh Hui Tsa Chih** 1984 Mar;83(3):256–67

[Spontaneous dissection of a renal artery] Raynaud A, et al. **Ann Radiol (Paris)** 1983 Dec;26(8):629–33 (Eng. Abstr.) **(Fre)**

[Isolated primary dissection of coronary arteries. Apropos of 3 cases with a favorable development] Chokron R, et al. **Arch Mal Coeur** 1983 Aug;76(8):886–92 (Eng. Abstr.) **(Fre)**

[Images of acute intracranial arterial occlusions obtained by CT scan] Gautier JC, et al. **Rev Neurol (Paris)** 1983; 139(12):759–61 (Eng. Abstr.) **(Fre)**

[Diagnosis of dissecting aortic aneurysm by digital subtraction angiography] Yamaguchi T, et al. **J Cardiogr** 1983 Mar;13(1):117–24 (Eng. Abstr.) **(Jpn)**

[Evaluation of intravenous digital subtraction angiography for the diagnosis of aortic dissection] Yamada T, et al. **Rinsho Hoshasen** 1984 Jan;29(1):23–7 (Eng. Abstr.) **(Jpn)**

SURGERY

Aortic dissection during pregnancy: treatment by emergency cesarean section immediately followed by operative repair of the aortic dissection. Katz NM, et al. **Am J Cardiol** 1984 Sep 1;54(6):699–701

Total aortic replacement for chronic aortic dissection occurring in patients with and without Marfan's syndrome. Crawford ES, et al. **Ann Surg** 1984 Mar;199(3):358–62

Marfan's syndrome. Broad spectral surgical treatment cardiovascular manifestations. Crawford ES. **Ann Surg** 1983 Oct;198(4):487–505

Renal artery dissection. Smith BM, et al. **Ann Surg** 1984 Aug; 200(2):134–46

Surgical correction of type I dissecting aortic aneurysm after renal transplantation. Wolfe WG, et al. **Ann Surg** 1984 Aug; 200(2):131–3

Spontaneous dissection of the carotid artery. Effeney DJ, et al. **Aust NZ J Surg** 1983 Dec;53(6):533–7

Acute dissection of the descending thoracic aorta: repair in an unusual case. Verdant A, et al. **Can J Surg** 1984 Jul; 27(4):390–1

Surgical treatment of acute dissection of the aorta superimposed on pre-existing aneurysm of the ascending aorta. Total replacement of the ascending aorta with reimplantation of the coronary arteries. A report on five cases. Gandjbakhch I, et al. **J Cardiovasc Surg (Torino)** 1983 Sep–Oct;24(5):475–80

Conservatism in the management of aortic aneurysms. Robicsek F. **J Cardiovasc Surg (Torino)** 1984 Jan–Feb; 25(1):81–5

Subarachnoid hemorrhage from intracranial dissecting aneurysm. Friedman AH, et al. **J Neurosurg** 1984 Feb; 60(2):325–34

Surgical treatment for spontaneous carotid dissection with impending stroke. Case report. Miyamoto S, et al. **J Neurosurg** 1984 Aug;61(2):382–6

Aneurysms involving the aortic arch. Report on thirteen surgically treated patients. Colombi P, et al. **Thorac Cardiovasc Surg** 1983 Aug;31(4):234–8

Goretex graft replacement of left and right main stem coronary arteries in dissecting aortic aneurysm. von der Emde J, et al. **Thorac Cardiovasc Surg** 1984 Apr;32(2):110–1

[Surgery of aortic dissections. Value of Tissucol compared with GRF (gelatin, resorcinol and formaldehyde) adhesive (letter)] Bical O, et al. **Presse Med** 1983 Sep 24;12(33):2059 **(Fre)**

[Surgical therapy of the dissection of the ascending aorta. Experience in the use of the G. R. F. biological glue] Guilmet D, et al. **Minerva Med** 1983 Dec 15; 74(47–48):2871–6 (Eng. Abstr.) **(Ita)**

[Complication after operation for thoracic aortic aneurysm—transition of pulmonary function in the use of double lumen endobronchial tube and the clamp of left pulmonary artery] Uchiyama H. **Igaku Kenkyu** 1983 Jul; 53(4):233–40 (Eng. Abstr.) **(Jpn)**

[Successful surgical treatment of two cases of ruptured dissecting aneurysm] Goto T, et al. **Kyobu Geka** 1983; 36(7):594–8 (Eng. Abstr.) **(Jpn)**

[Surgical treatment of aneurysms of the thoracic aorta] Tanabe T, et al. **Kyobu Geka** 1984 Jun;37(6):420–6 (Eng. Abstr.) **(Jpn)**

[Extended aortic bypass operation for dissecting aortic aneurysm of De Bakey type III: experimental and clinical studies] Inomata A. **Nippon Geka Gakkai Zasshi** 1983 May; 84(5):392–403 (Eng. Abstr.) **(Jpn)**

[Extra-anatomic bypass in impending rupture of chronic dissecting aneurysm of the descending aorta] Hata H, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Sep; 31(9):1461–7 (Eng. Abstr.) **(Jpn)**

[Successful treatment of dissecting aortic aneurysm discovered during weaning from extracorporeal circulation] Paik NS, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Mar;31(3):396–400 (Eng. Abstr.) **(Jpn)**

[Expansion of the false lumen following Carpentier's surgery for extensive aortic aneurysm complicated with DeBakey-type IIIa dissecting aneurysm] Shimizu Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Nov; 31(11):2075–84 (Eng. Abstr.) **(Jpn)**

[Surgical management of abdominal aortic rupture in chronic dissecting thoracic aneurysm (DeBakey IIIb)] Yamaguchi T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Aug; 31(8):1320–4 (Eng. Abstr.) **(Jpn)**

[Early surgical treatment for type A acute aortic dissecting aneurysm] Abe T, et al. **Rinsho Kyobu Geka** 1983 Nov; 3(6):769–72 (Eng. Abstr.) **(Jpn)**

[Surgical treatment of acute dissecting aneurysm of the aorta—a case of acute aortic arch dissection treated by aortic vessel reconstruction] Kawada K, et al. **Rinsho Kyobu Geka** 1983 May;3(3):289–96 (Eng. Abstr.) **(Jpn)**

[Evaluation of the surgical results in acute dissecting aneurysms of the aorta] Kazui T, et al. **Rinsho Kyobu Geka** 1983 May;3(3):297–302 (Eng. Abstr.) **(Jpn)**

[Improvement of surgical procedures in dissecting aortic aneurysm] Matsuda M, et al. **Rinsho Kyobu Geka** 1983 May; 3(3):310–4 (Eng. Abstr.) **(Jpn)**

[Acute aortic dissection: surgical indication and problems in the acute stage] Miyamoto T. **Rinsho Kyobu Geka** 1983 May;3(3):283–8 (Eng. Abstr.) **(Jpn)**

[Surgical treatment of dissecting aortic aneurysm using a ringed graft—evaluation of 4 cases] Okoshi T, et al. **Rinsho Kyobu Geka** 1983 May;3(3):337–44 (Eng. Abstr.) **(Jpn)**

[Surgical treatment of cerebrovascular crisis in acute aortic dissection] Shimazu K, et al. **Rinsho Kyobu Geka** 1983 May; 3(3):303–8 (Eng. Abstr.) **(Jpn)**

[Surgical treatment of acute dissecting aneurysm of the aorta—results of insertion of a ringed graft] Terashima M, et al. **Rinsho Kyobu Geka** 1983 May;3(3):277–82 (Eng. Abstr.) **(Jpn)**

[Thoracic aorta aneurysms and dissections. Surgical treatment] Stolf NA, et al. **Arq Bras Cardiol** 1983 Oct; 41(4):221–6 (Eng. Abstr.) **(Por)**

[Surgical treatment of chronic dissections of the thoracic aorta] Stolf NA, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1983 Jan–Feb;38(1):3–7 (Eng. Abstr.) **(Por)**

[Surgical tactics in dissecting aneurysms of the thoracic aorta] Petrovskiĭ BV, et al. **Khirurgiia (Mosk)** 1983 Oct;(10):11–6 (Eng. Abstr.) **(Rus)**

[Emergency surgical treatment of acute dissection of the ascending aorta] Morillo Pereña F. **Rev Esp Cardiol** 1983; 36(2):141–4 (Eng. Abstr.) **(Spa)**

THERAPY

Dissecting aneurysm of the descending thoracic aorta. Surgical or medical treatment? Bergholm U, et al. **Scand J Thorac Cardiovasc Surg** 1984;18(1):45–7

VETERINARY

Toxic effects of high concentrations of zinc oxide in the diet of the chick and laying hen. Dewar WA, et al. **Br Poult Sci** 1983 Jul;24(3):397–404

ANEURYSM, MYCOTIC

COMPLICATIONS

Postinfectious glomerulonephritis in a renal allograft associated with a mycotic aneurysm of a coronary artery. Nebeker HG, et al. **Am J Med** 1984 May;76(5):940–2

Total therapeutic embolization of the kidney for hypertension in a child with a mycotic aneurysm. Cohen AM, et al. **Cardiovasc Intervent Radiol** 1983;6(3):121–4

Mycotic aneurysm of the small bowel presenting as gastrointestinal haemorrhage. Wilson JW, et al. **Med J Aust** 1984 Jul 21;141(2):114–5

[One complication can mask another: chance discovery of a rare lesion during screening for arthritis of the hip] Laumonier F, et al. **Chir Pediatr** 1984;25(2):74–8 (Eng. Abstr.) **(Fre)**

[Intracranial septic aneurysm in an infant. Apropos of a case and review of the literature] Daltroff G, et al. **Pediatrie** 1984 Mar;39(2):125–32 (Eng. Abstr.) **(Fre)**

[Solitary aneurysm of the pulmonary artery in infectious endocarditis. A case report] Miura N, et al. **Arq Bras Cardiol** 1983 Mar;40(3):205–7 (Eng. Abstr.) **(Por)**

DIAGNOSIS

Mycotic aortic aneurysm diagnosed by In-111 leukocyte scintigraphy and computed tomography. Seabold JE, et al. **Clin Nucl Med** 1983 Oct;8(10):486–7

Renal artery mycotic aneurysm. Pezzulli FA, et al. **NY State J Med** 1984 May;84(5):260–1

[Mycotic aneurysms. Apropos of 2 cases of femoral aneurysms] Garcia de la Torre A, et al. **Angiologia** 1984

Mar-Apr;36(2):55-62 (Eng. Abstr.) (Spa)

ETIOLOGY

Multiple mycotic pulmonary artery aneurysms secondary to intravenous drug abuse. SanDretto MA, et al. **AJR** 1984 Jan;142(1):89-90

Mycotic aneurysms of the pulmonary arteries in intravenous drug addicts. Report of three cases and review of the literature. Navarro C, et al. **Am J Med** 1984 Jun; 76(6):1124-31

Mycotic aortic aneurysms in children. Bergsland J, et al. **Ann Thorac Surg** 1984 Apr;37(4):314-8

Listeria monocytogenes: a rare cause of mycotic aortic aneurysm. Harvey MH, et al. **Br J Surg** 1984 Feb; 71(2):166-7

Mycotic aneurysm of the external iliac artery caused by migration of a total hip prosthesis. Ryan JA, et al. **Clin Orthop** 1984 Jun;(186):57-9

Bacteroides aortitis and aneurysm formation following arteriography. Sheehan JP. **J Infect** 1983 Sep;7(2):153-5

[Infection of an aorto-aortic prosthesis. Disclosure by pseudo-inflammatory rheumatism (letter)] Volle L, et al. **Presse Med** 1984 Feb 11;13(5):287 (Fre)

[Mycotic aneurysms of the intrapulmonary arteries: unusual manifestation of right-sided endocarditis] Godin N, et al. **Rev Fr Mal Respir** 1983;11(6):907-13 (Eng. Abstr.) (Fre)

[Mycotic aneurysm of the carotid artery complicating deep neck infection] Leiberman A, et al. **Harefuah** 1984 Jan 15; 106(2):74-5 (Eng. Abstr.) (Heb)

[Arterial pseudoaneurysm. An unusual complication of drug addiction] Naess F. **Tidsskr Nor Laegeforen** 1984 Mar 30; 104(9):661-2 (Eng. Abstr.) (Nor)

MICROBIOLOGY

Nontraumatic clostridial myonecrosis and mycotic aneurysm formation. Semel L, et al. **NY State J Med** 1984 Apr; 84(4):195-6

RADIOGRAPHY

Mycotic intracavernous carotid artery aneurysm in childhood. Van Dellen JR, et al. **Ann Trop Paediatr** 1984 Mar;4(1):51-4

Bacterial aneurysms of the intracavernous carotid artery. Rout D, et al. **J Neurosurg** 1984 Jun;60(6):1236-42

[Computer tomography of mycotic aortic aneurysm] Triller J, et al. **Radiologe** 1984 Jan;24(1):35-9 (Eng. Abstr.) (Ger)

SURGERY

Mycotic aneurysm of the internal carotid artery. A surgical emergency. Bolender NF, et al. **Ann Otol Rhinol Laryngol** 1984 May-Jun;93(3 Pt 1):273-6

Mycotic cervical carotid aneurysm. Ferguson LJ, et al. **Br J Surg** 1984 Mar;71(3):245

Shoulder reconstruction following disarticulation for ruptured mycotic aneurysm. Stevenson TR, et al. **Plast Reconstr Surg** 1984 Sep;74(3):423-6

Management of an infected aneurysm of the groin secondary to drug abuse. Feldman AJ, et al. **Surg Gynecol Obstet** 1983 Dec;157(6):519-22

[Choice of the ascending aorta as the proximal site for implantation of an aorto-aortic bypass. Apropos of 2 cases] Heynen YG, et al. **Ann Chir** 1984 Mar;38(2):134-8 (Eng. Abstr.) (Fre)

[Mycotic aneurysm of the middle cerebral artery in echinococcal infestation] Assad F, et al. **Neurochirurgia (Stuttg)** 1984 May;27(3):89-92 (Eng. Abstr.) (Ger)

THERAPY

Ruptured mycotic salmonella aortic aneurysm treated with combined cefotaxime antibiotic and staged surgical management. Humphrey RW, et al. **Angiology** 1983 Oct; 34(10):674-8

Evolution and resolution of intracranial bacterial (mycotic) aneurysms. Morawetz RB, et al. **Neurosurgery** 1984 Jul; 15(1):43-9

ANGEL DUST ABUSE see **PHENCYCLIDINE ABUSE**

ANGER

Studies on anger and aggression. Implications for theories of emotion. Averill JR. **Am Psychol** 1983 Nov; 38(11):1145-60

Type A behaviour, anger and neuroticism: the discriminant validity of self-reports in a patient sample. Smith TW. **Br J Clin Psychol** 1984 May;23 (Pt 2):147-8

Self-control in hyperactive boys in anger-inducing situations: effects of cognitive-behavioral training and of methylphenidate. Hinshaw SP, et al. **J Abnorm Child Psychol** 1984 Mar;12(1):55-77

Reducing organizational conflict: an incompatible response approach. Baron RA. **J Appl Psychol** 1984 May;69(2):272-9

Developmental changes in children's reactions to anger in the home. Cummings EM, et al. **J Child Psychol Psychiatry** 1984 Jan;25(1):63-74

Psychiatric aspects of complex partial seizures: case report. Pellegrini A, et al. **J Clin Psychiatry** 1984 Jun;45(6):269-71

Psychotherapy of the elderly. Case 7. Siegerman CB. **J Geriatr Psychiatry** 1983;16(1):79-81

Dissociated rage attacks in a Vietnam veteran: a Rorschach study. Salley RD, et al. **J Pers Assess** 1984 Feb; 48(1):98-104

A multimethod approach to measuring anger in children. Finch AJ Jr, et al. **J Psychol** 1983 Sep;115(1st Half):55-60

Querulent paranoia: a follow-up. Astrup C. **Neuropsychobiology** 1984;11(3):149-54

The angry elderly patient. An approach to understanding. Morrant JC, et al. **Postgrad Med** 1983 Dec;74(6):93-5, 98-100, 102

DRUG EFFECTS

Use of propranolol for provoked and unprovoked episodes of rage. Ratey JJ, et al. **Am J Psychiatry** 1983 Oct; 140(10):1356-7

Propranolol in the treatment of rage and violent behavior associated with Korsakoff's psychosis. Yudofsky SC, et al. **Am J Psychiatry** 1984 Jan;141(1):114-5

Effects of psychotropic drugs on the rage responses induced by electrical stimulation of the medial hypothalamus in cats. Fukuda T, et al. **Jpn J Pharmacol** 1983 Aug;33(4):885-90

Carbamazepine versus propranolol in patients with uncontrolled rage outbursts: a random assignment study. Mattes JA, et al. **Psychopharmacol Bull** 1984 Winter; 20(1):98-100

[Anxiety and anger: psychobiologic studies on the question of the specific anxiolytic effect of tranquilizers] Schmit U, et al. **Nervenarzt** 1984 Mar;55(3):143-9 (Ger)

ANGIITIS see **VASCULITIS**

ANGIITIS, ALLERGIC CUTANEOUS see **VASCULITIS, ALLERGIC CUTANEOUS**

ANGINA PECTORIS

BLOOD

Effect of verapamil on serum lipoproteins in patients with angina pectoris. Walldius G. **Acta Med Scand [Suppl]** 1984; 681:43-8

Thromboxane release in coronary artery disease: spontaneous versus pacing-induced angina. Mehta J, et al. **Am Heart J** 1984 Feb;107(2):286-92

Fibrinopeptide A and beta thromboglobulin in patients with angina pectoris and acute myocardial infarction. van Hulsteijn H, et al. **Am Heart J** 1984 Jan;107(1):39-45

Myoglobin release in patients with angina pectoris following short-term ischaemia by pacing to angina. Sylvén C, et al. **Clin Physiol** 1984 Jun;4(3):221-6

Platelet adhesiveness, plasma fibrinogen and fibrinolytic activity in angina pectoris before and after propranolol therapy. Mehrotra TN, et al. **J Assoc Physicians India** 1983 Oct;31(10):641-3

Platelet count and platelet function in patients with angina pectoris (before and after a cycloergometric exercise test). Porro F, et al. **Ric Clin Lab** 1983 Jul-Sep;13(3):331-6

Myocardial lactate metabolism during pacing induced angina pectoris. Ihlen H, et al. **Scand J Clin Lab Invest** 1983 Feb; 43(1):1-7

[Biochemistry of coronary artery disease—prostaglandins] Tada M, et al. **Rinsho Byori** 1983 Aug;31(8):854-9 (Jpn)

[Means of differential diagnosis between angina pectoris and neurocirculatory dystonia] Vinogradov AV, et al. **Kardiologiia** 1984 May;24(5):73-7 (Eng. Abstr.) (Rus)

[Serum myoglobin of patients with myocardial infarcts and unstable angina pectoris] Nikitin IuP, et al. **Ter Arkh** 1983; 55(11):13-5 (Rus)

[Vitamin E and serum lipids in ischemic heart disease] Cherniauskene RCh, et al. **Vopr Med Khim** 1984 May-Jun; 30(3):102-5 (Eng. Abstr.) (Rus)

[HDL cholesterol in patients with angina pectoris] Celikić S, et al. **Vojnosanit Pregl** 1984 Jan-Feb;41(1):15-8 (Scr)

CHEMICALLY INDUCED

Paradoxical angina after nifedipine: angiographic documentation. Schanzenbächer P, et al. **Am J Cardiol** 1984 Jan 15;53(2):345-6

High potassium concentration in a parenteral preparation of glyceryl trinitrate. Need for caution if given by intracoronary injection. Webb SC, et al. **Br Heart J** 1983 Oct;50(4):395-6

Angina pectoris after doxorubicin and mitomycin therapy [letter] Ganz PA, et al. **Cancer Treat Rep** 1983 Jan; 67(1):98-9

Unstable angina precipitated by nifedipine. A case report. Manga P, et al. **S Afr Med J** 1984 Jul 28;66(4):144

CLASSIFICATION

Numerical approach to classification of angina. Wartak J, et al. **Am Heart J** 1984 Feb;107(2):402-4

COMPLICATIONS

Intravenous nitroglycerin-induced abducens nerve palsy. Alexander J, et al. **Am Heart J** 1983 Nov;106(5 Pt 1):1159-60

Spasm of the retinal vessels in association with unstable primary angina [letter] Baksi KB, et al. **Chest** 1984 Jul; 86(1):155

Coronary sinus lactate estimation and esophageal motor anomalies in angina with normal coronary angiogram. Ducrotte P, et al. **Dig Dis Sci** 1984 Apr;29(4):305-10

[Unstable angina pectoris] Kübler W, et al. **Verh Dtsch Ges Herz Kreislaufforsch** 1983;49:25-34 (Ger)

[Radionuclide investigations in the study of myocardial perfusion and left ventricular motility] Addarii F, et al. **G Clin Med** 1983 Nov;64(11):437-54 (Eng. Abstr.) (Ita)

[History of pre-existing angina and post-infarct myocardial ischemia (symptomatic and asymptomatic)] Cobelli F, et al. **G Ital Cardiol** 1984 Mar;14(3):170-4 (Eng. Abstr.) (Ita)

[Glaucoma morbidity among patients with acute cardiovascular pathology] Rudinskaia GM. **Oftalmol Zh** 1983;38(5):293-5 (Eng. Abstr.) (Rus)

[Intraventricular blocks in ischemic heart disease] Eremeev VG, et al. **Vrach Delo** 1983 Jun;(6):17-20 (Eng. Abstr.) (Rus)

[Thallium-201-dipyridamole. Diagnostic value in coronary disease] del Río A, et al. **Rev Esp Cardiol** 1984 Mar-Apr; 37(2):90-3 (Eng. Abstr.) (Spa)

DIAGNOSIS

Repeat treadmill exercise testing: variability of results in patients with angina pectoris. Starling MR, et al. **Am Heart J** 1984 Feb;107(2):298-303

Comparative value of 2-dimensional echocardiography and radionuclide angiography for quantitating changes in left ventricular performance during exercise limited by angina pectoris. Crawford MH, et al. **Am J Cardiol** 1984 Jan 1; 53(1):42-6

Regression of ST depressions despite ongoing ischemia. Heller GV, et al. **Am J Cardiol** 1983 Nov 1;52(8):1144-5

The 'blessing' of angina pectoris [editorial] Roberts WC. **Am J Cardiol** 1983 Nov 1;52(8):1154

Early right atrial pacing after myocardial infarction. II. Results in 77 patients with predischarge angina pectoris, congestive heart failure, or age older than 70 years. Tzivoni D, et al. **Am J Cardiol** 1984 Feb 1;53(4):418-20

Esophageal function in patients with angina and normal coronary arteriograms [letter] Cheng TO. **Ann Surg** 1984 Jan;199(1):123-4

Fatal cardiac arrest during cardiac catheterization for angina pectoris. A marker of quadruple vessel disease. Warnes CA, et al. **Chest** 1983 Nov;84(5):631-2

Variations on a theme from Heberden: symptoms in angina pectoris. Proudfit WL. **Cleve Clin Q** 1984 Spring;51(1):1-5

Serial ambulatory monitoring in patients with unstable angina pectoris. Mooss AN, et al. **Clin Cardiol** 1983 Sep;6(9):435-9

Echocardiography during attack of angina pectoris. Widimský P, et al. **Cor Vasa** 1983;25(5):367-71

Does it help to undiagnose angina? Dart AM, et al. **Eur Heart J** 1983 Jul;4(7):461-2

Angina pectoris, one to 10 years after aortocoronary bypass surgery. Laird-Meeter K, et al. **Eur Heart J** 1983 Oct; 4(10):678-86

Myocardial ischemia in mitral stenosis with normal coronary arteries. Friedensohn A, et al. **Heart Lung** 1983 Nov; 12(6):653-5

Prognostic implications of early spontaneous angina after acute transmural myocardial infarction. Figueras J, et al. **Int J Cardiol** 1983 Oct;4(3):261-74

Reproducibility of multistage graded exercise testing in patients with chronic stable angina. Khurmi NS, et al. **Int J Cardiol** 1984 Aug;6(2):137-48

The ergonovine test—to catch a leprechaun. Waters DD, et al. **Int J Cardiol** 1983 Nov-Dec;4(4):471-3

Diagnosis of chest pain in marathon runners [letter] Pepys MB, et al. **Lancet** 1984 Feb 4;1(8371):278

Coronary heart disease in residents of Rochester, Minnesota. IV. Prognostic value of the resting electrocardiogram at the time of initial diagnosis of angina pectoris. Connolly DC, et al. **Mayo Clin Proc** 1984 Apr;59(4):247-50

Angina pectoris. Clinical strategies in diagnosis. Shub C. **Postgrad Med** 1984 Sep 1;76(3):50-4, 59-63, 66

Chest pain with normal coronary arteries: a comparative study of psychiatric and social morbidity. Bass C, et al. **Psychol Med** 1984 Feb;14(1):51-61

[Lead poisoning as differential diagnosis from angina pectoris] Andersen BN, et al. **Ugeskr Laeger** 1983 Oct 17; 145(42):3260 (Eng. Abstr.) (Dan)

[Esophageal diseases in the differential diagnosis of patients with angina pectoris symptoms] Bretzke G. **Z Gesamte Inn Med** 1983 Jul 15;38(14):382-4 (Eng. Abstr.) (Ger)

[Paget's disease of the left humerus simulating angina pectoris] Schoenberg A, et al. **Harefuah** 1983 Feb 1; 104(3):98-9 (Eng. Abstr.) (Heb)

[Anginal syndrome as the presenting symptom in Munchausen syndrome] Ullmann Y, et al. **Harefuah** 1983 Jul;105(1-2):22-3 (Eng. Abstr.) (Heb)

[The alkalinization test in the diagnosis of spontaneous angina] Ferratini M, et al. **G Ital Cardiol** 1984 Mar; 14(3):158-63 (Eng. Abstr.) (Ita)

[Early cycloergometric functional evaluation test in patients with a recent myocardial infarct. Medium-term (3 years) prognostic value] Bianchi G, et al. **Minerva Cardioangiol** 1983 Jun;31(6):337-44 (Eng. Abstr.) (Ita)

[Evaluation of 10 patients with stable stress angina using an

ergometric test and Holter's dynamic ECG monitoring] Rebaudo F, et al. **Minerva Med** 1983 Dec 15; 74(47-48):2899-904 (Eng. Abstr.) **(Ita)**

[Angina pectoris and myocardial infarction with unchanged coronary arteries. Clinical and diagnostic problems] Wrabec K. **Pol Arch Med Wewn** 1983 Jul-Aug;70(1-2):1-11 **(Pol)**

[Clinico-coronarographic comparisons in unstable stenocardia] Ermilov LP, et al. **Kardiologiia** 1984 Feb; 24(2):39-42 (Eng. Abstr.) **(Rus)**

[Unstable stenocardia] Gratsianskiĭ NA. **Kardiologiia** 1984 Jun;24(6):112-9 **(Rus)**

[Current questions concerning unstable stenocardia] Zharov EI, et al. **Kardiologiia** 1984 May;24(5):111-8 (81 ref.) **(Rus)**

[Prognosis in angina pectoris] Anikin VV. **Klin Med (Mosk)** 1983 Nov;61(11):48-52 (Eng. Abstr.) **(Rus)**

[Use of ganglionic blockaders in the differential diagnosis of reflex cardialgia caused by diseases of the abdominal organs] Evtikhov RM, et al. **Klin Med (Mosk)** 1983 Aug; 61(8):28-30 (Eng. Abstr.) **(Rus)**

[Value of interviews and questionnaires in the differential diagnosis of pain in cardiac region] Makolkin VI, et al. **Sov Med** 1983;(8):67-71 **(Rus)**

[Formalized questionnaire for diagnosis of exertion-induced angina pectoris] Khalfen ESh, et al. **Ter Arkh** 1984; 56(1):24-8 (Eng. Abstr.) **(Rus)**

[Characteristics of the atrial portion of the ECG in an esophageal lead in patients with painful and painless variants of atherosclerotic cardiosclerosis] Selivonenko VG, et al. **Ter Arkh** 1984;56(4):58-60 (Eng. Abstr.) **(Rus)**

[Use of mathematical methods in the prognosis of cardiovascular diseases] Kogalenok PI, et al. **Voen Med Zh** 1983 Nov;(11):49-50 **(Rus)**

[Evaluation of the exercise test and coronarography in patients with angina pectoris] Mikloušić T, et al. **Lijec Vjesn** 1984 Jun;106(6):224-30 (Eng. Abstr.) **(Scr)**

DIET THERAPY

Beneficial effect of a low-fat low-calorie diet on myocardial energy metabolism in patients with angina pectoris. Thuesen L, et al. **Lancet** 1984 Jul 14;2(8394):59-62

DRUG THERAPY

The value of amiodarone for the treatment of unstable angina. Bertholet M, et al. **Acta Cardiol (Brux)** 1983;38(6):503-11

Orthostatic response before and after nitroglycerin in metoprolol- and verapamil-treated angina pectoris. Hyldstrup L, et al. **Acta Med Scand** 1983;214(2):131-4

Combined therapy with Ca-antagonists and beta-adrenergic receptor blocking agents in chronic stable angina. Lessem J. **Acta Med Scand [Suppl]** 1984;681:83-90

Verapamil or propranolol in the treatment of stable angina pectoris of effort. Sigurd B, et al. **Acta Med Scand [Suppl]** 1984;681:75-81

Evaluation of verapamil and high dose nifedipine in patients with chronic stable angina with objective methods. Subramanian VB, et al. **Acta Med Scand [Suppl]** 1984; 681:61-73

Comparative effects of diltiazem, propranolol, and placebo on exercise performance using radionuclide ventriculography in patients with symptomatic coronary artery disease: results of a double-blind, randomized, crossover study. Anderson JL, et al. **Am Heart J** 1984 Apr; 107(4):698-706

Double-blind randomized crossover trial of verapamil and propranolol in chronic stable angina. Bowles MJ, et al. **Am Heart J** 1983 Dec;106(6):1297-306

Clinical studies with transdermal nitroglycerin. Hollenberg M, et al. **Am Heart J** 1984 Jul;108(1):223-31

Long-term study of high-dose diltiazem in chronic stable exertional angina. Hossack KF, et al. **Am Heart J** 1984 Jun;107(6):1215-20

Long-term oral verapamil therapy in patients with rest angina. Mehta J, et al. **Am Heart J** 1983 Nov;106(5 Pt 1):1133-7

Clinical outcome after treatment of rest angina with calcium blockers: comparative experience during the initial year of therapy with diltiazem, nifedipine, and verapamil. Pepine CJ, et al. **Am Heart J** 1983 Dec;106(6):1341-7

Double-blind, placebo-controlled trial of propranolol given once, twice and four times daily in stable angina pectoris: a multicenter study using serial exercise testing. Beller GA, et al. **Am J Cardiol** 1984 Jul 1;54(1):37-42

Oral sustained-release nitroglycerin in chronic stable angina: a multicenter, double-blind, randomized crossover trial. Berkenboom GM, et al. **Am J Cardiol** 1984 Jan 1;53(1):15-7

Adjunctive nifedipine therapy in high-risk, medically refractory, unstable angina pectoris. Blaustein AS, et al. **Am J Cardiol** 1983 Nov 1;52(8):950-4

Improved exercise tolerance after propranolol, diltiazem or nifedipine in angina pectoris: comparison at 1, 3 and 8 hours and correlation with plasma drug concentration. Chaitman BR, et al. **Am J Cardiol** 1984 Jan 1;53(1):1-9

Nitrate cross-tolerance: effect of sublingual isosorbide dinitrate and nitroglycerin during sustained nitrate therapy. Dalal JJ, et al. **Am J Cardiol** 1984 Aug 1;54(3):286-8

Antianginal effects of corwin, a new beta-adrenoceptor partial agonist. Detry JM, et al. **Am J Cardiol** 1984 Feb 1;53(4):439-43

Bepridil for chronic stable angina pectoris: results of a prospective multicenter, placebo-controlled, dose-ranging study in 77 patients. DiBianco R, et al. **Am J Cardiol** 1984 Jan 1;53(1):35-41

Effects of prostacyclin on coronary hemodynamics at rest and in response to cold pressor testing in patients with angina pectoris. Ganz P, et al. **Am J Cardiol** 1984 Jun 1; 53(11):1500-4

Improved efficacy of high-dose versus medium- and low-dose diltiazem therapy for chronic stable angina pectoris. Go M Jr, et al. **Am J Cardiol** 1984 Mar 1; 53(6):669-73

Effects of bepridil on exercise tolerance in chronic stable angina: a double-blind, randomized, placebo-controlled, crossover trial. Hill JA, et al. **Am J Cardiol** 1984 Mar 1; 53(6):679-83

Randomized double-blind comparison of gallopamil and propranolol in stable angina pectoris. Khurmi NS, et al. **Am J Cardiol** 1984 Mar 1;53(6):684-8

Possible interactions of indomethacin and nitrates in angina pectoris. McGregor M, et al. **Am J Cardiol** 1984 Jan 1; 53(1):225-7

Effect of nifedipine alone versus in combination with beta blockers and/or nitrates on left ventricular function in angina pectoris [letter] Miller A. **Am J Cardiol** 1983 Nov 1;52(8):1152

Evaluation of bepridil, a new antianginal agent: clinical and hemodynamic alterations during the treatment of stable angina pectoris. Narahara KA, et al. **Am J Cardiol** 1984 Jan 1;53(1):29-34

Hemodynamic effects of nifedipine during upright exercise in stable angina pectoris and either normal or severely impaired left ventricular function. Nelson GI, et al. **Am J Cardiol** 1984 Feb 1;53(4):451-5

Comparison of diltiazem at two dose levels with propranolol for treatment of stable angina pectoris. O'Hara MJ, et al. **Am J Cardiol** 1984 Sep 1;54(6):477-81

Transdermal isosorbide dinitrate in angina pectoris: effect of acute and sustained therapy. Parker JO, et al. **Am J Cardiol** 1984 Jul 1;54(1):8-13

Antianginal effects of nitroglycerin patches. Reichek N, et al. **Am J Cardiol** 1984 Jul 1;54(1):1-7

Dose-response relation of antianginal activity of isosorbide dinitrate. Schneider WU, et al. **Am J Cardiol** 1984 Mar 1;53(6):700-5

Randomized, placebo-controlled evaluation of lidoflazine in patients receiving beta-blocker therapy with propranolol: improvement in anginal symptoms and exercise tolerance with combined drug therapy. Strauss WE, et al. **Am J Cardiol** 1984 Apr 1;53(8):1003-7

Cardiorespiratory effects of isosorbide dinitrate and nifedipine in combination with nadolol: a double-blind comparative study of beneficial and adverse antianginal drug interactions. Tirlapur VG, et al. **Am J Cardiol** 1984 Feb 1;53(4):487-92

Acute effects of captopril on the coronary circulation of patients with hypertension and angina. Daly P, et al. **Am J Med** 1984 May 31;76(5B):111-5

Unstable angina. Rational approach to management. Flaherty JT. **Am J Med** 1984 Jun 22;76(6A):52-7

Rational medical therapy for stable angina pectoris. Hoekenga D, et al. **Am J Med** 1984 Feb;76(2):309-14

Hemodynamic effects of high-dose sustained-action oral isosorbide dinitrate in stable angina. Udhoji VN, et al. **Am J Med** 1984 Feb;76(2):234-40

Improved exercise myocardial perfusion during lidoflazine therapy. Shapiro W, et al. **Angiology** 1983 Nov; 34(11):705-10

Exacerbation of asthmatic symptoms after cessation of nifedipine therapy. Eliraz A, et al. **Ann Allergy** 1984 Feb; 52(2):125-7

The effect of sodium cromoglycate on the development of exercise-induced angina pectoris. Hunter J, et al. **Arch Int Pharmacodyn Ther** 1983 Nov;266(1):113-6

Dose related efficacy of betaxolol in combination with nitroglycerin in patients with angina pectoris: a double blind cross-over study. Stroobandt R, et al. **Arch Int Pharmacodyn Ther** 1984 Feb;267(2):299-309

Efficacy of nifedipine therapy in patients with refractory angina pectoris: significance of the presence of coronary vasospasm. Stone PH, et al. **Arq Bras Cardiol** 1983 Dec; 41(6):469-76

Efficacy of isosorbide dinitrate tape on exercise tolerance of patients with angina pectoris. Saito M, et al. **Arzneimittelforsch** 1983;33(9):1301-5

Clinical efficacy of niludipine in the treatment of angina pectoris. Yasuda H, et al. **Arzneimittelforsch** 1984; 34(5):614-9

The QT interval: a predictor of the plasma and myocardial concentrations of amiodarone. Debbas NM, et al. **Br Heart J** 1984 Mar;51(3):316-20

Effects of short term beta adrenoreceptor blockade on serum lipids and lipoproteins in patients with hypertension or coronary artery disease. Murphy MB, et al. **Br Heart J** 1984 Jun;51(6):589-94

Acute and chronic haemodynamic and electrophysiological effects of nifedipine in patients receiving atenolol. Rowland E, et al. **Br Heart J** 1983 Oct;50(4):383-9

Comparative effects of long-acting and conventional propranolol on stress-induced angina pectoris and on frequency of ventricular premature beats. Hansteen V, et al. **Br J Clin Pharmacol** 1984 May;17(5):579-84

The effects on left ventricular performance of nifedipine and verapamil in exercise-induced angina pectoris. Silke B, et al. **Br J Clin Pharmacol** 1984 Jun;17(6):735-43

The acute effects of nifedipine on red cell deformability in angina pectoris. Waller DG, et al. **Br J Clin Pharmacol** 1984 Feb;17(2):133-8

Buccal nitroglycerin in routine clinical practice. A multicentre study. Parsons DG, et al. **Br J Clin Pract** 1983 Sep;37(9):295-8

The clinical and hemodynamic effects of propranolol, pindolol and verapamil in the treatment of exertional angina pectoris. Johnston DL, et al. **Can Med Assoc J** 1984 Jun 1;130(11):1449-55

Clinical pharmacology of calcium entry blockers. Bianchi CP. **Cardiovasc Clin** 1983;14(1):123-8 (16 ref.)

Parenteral nitroglycerin: clinical usefulness and limitations. Flaherty JT. **Cardiovasc Clin** 1984;14(3):111-8

Comprehensive drug management of angina pectoris. Pepine CJ, et al. **Cardiovasc Clin** 1984;14(3):139-51

Salutary effect of nifedipine in pacing-induced angina: relation to afterload reduction. Tiefenbrunn AJ, et al. **Cathet Cardiovasc Diagn** 1983;9(6):583-9

A new oral slow release form of isosorbide dinitrate. Effect on the hemodynamics and exercise capacity of patients with angina. Di Bianco R, et al. **Chest** 1983 Dec;84(6):707-13

Nadolol compared to propranolol for treating chronic stable angina pectoris. Miller LA, et al. **Chest** 1984 Aug; 86(2):189-93

Verapamil administered twice daily in stable angina pectoris. Tan AT, et al. **Chest** 1984 Jan;85(1):55-8

Comparative effects of propranolol and verapamil alone and in combination on left ventricular function and volumes in patients with chronic exertional angina: a double-blind, placebo-controlled, randomized, crossover study with radionuclide ventriculography. Johnston DL, et al. **Circulation** 1983 Dec;68(6):1280-9

Nifedipine and conventional therapy for unstable angina pectoris: a randomized, double-blind comparison. Muller JE, et al. **Circulation** 1984 Apr;69(4):728-39

Variables predictive of successful medical therapy in patients with unstable angina: selection by multivariate analysis from clinical, electrocardiographic, and angiographic evaluations. Ouyang P, et al. **Circulation** 1984 Sep; 70(3):367-76

Tolerance to isosorbide dinitrate: rate of development and reversal. Parker JO, et al. **Circulation** 1983 Nov; 68(5):1074-80

Effects of nifedipine on coronary hemodynamic findings during exercise in patients with stable exertional angina. Specchia G, et al. **Circulation** 1983 Nov;68(5):1035-43

Alinidine in angina. Meinertz T, et al. **Clin Pharmacol Ther** 1983 Dec;34(6):770-6

The story of nitroglycerine. An old favorite with new tricks. Duke M. **Conn Med** 1983 Aug;47(8):495

Clinical use of calcium channel blockers. Galle JS. **Conn Med** 1983 Oct;47(10):605-10

Recent advances in the medical treatment of angina pectoris. Missri J. **Conn Med** 1983 Oct;47(10):601-5

Comparison of short-term efficacy of diltiazem and propranolol in unstable angina at rest—a randomized trial in 70 patients. Andre-Fouet X, et al. **Eur Heart J** 1983 Oct;4(10):691-8

Molsidomine, an effective long-acting anti-anginal drug. Balakumaran K, et al. **Eur Heart J** 1983 Sep;4(9):655-61

Electrophysiological profile of bepridil, a new anti-anginal drug with calcium blocking properties. Flammang D, et al. **Eur Heart J** 1983 Sep;4(9):677-54

Haemodynamic effects of intravenous diltiazem at rest and exercise in patients with coronary artery disease. Legrand V, et al. **Eur Heart J** 1984 Jun;5(6):456-63

The effect on left ventricular performance of nifedipine and metoprolol singly and together in exercise-induced angina pectoris. Nelson GI, et al. **Eur Heart J** 1984 Jan;5(1):67-79

Anti-anginal, electrophysiologic and hemodynamic effects of combined beta-blocker/calcium antagonist therapy. Vanhaleweyk GL, et al. **Eur Heart J** 1983 Jul;4 Suppl D:117-28 (53 ref.)

Nitrate tolerance. Parker JO. **Herz** 1984 Jun;9(3):137-45

Comparative haemodynamic dose-response effects of intravenous propranolol, acebutolol and penbutolol in angina pectoris. Silke B, et al. **Herz** 1984 Feb;9(1):57-64

Nitrates for angina pectoris. A critical review of therapeutic efficacy and tolerance. Thadani U. **Herz** 1984 Jun; 9(3):123-36

Efficacy of once daily penbutolol in chronic stable angina. An objective comparison with long-acting propranolol. Bowles MJ, et al. **Int J Cardiol** 1984 Feb;5(2):131-42

The anti-platelet effects of calcium channel blockers add to their anti-anginal properties. Burns ER, et al. **Int J Cardiol** 1983 Oct;4(3):372-9

Failure of thromboxane synthetase inhibition to improve exercise tolerance in patients with stable angina pectoris. Hendra T, et al. **Int J Cardiol** 1984 Mar;5(3):382-5

The effects of beta 1-adrenoceptor partial agonist ICI 118.587 on left ventricular function in patients with coronary heart disease. Ikäheimo MJ, et al. **Int J Cardiol** 1984 Mar; 5(3):339-49

Effects of long-term molsidomine treatment versus isosorbide dinitrate and placebo on exercise tolerance in stable angina. Romano M, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 May;22(5):246-9

Nifedipine plasma concentration in patients treated for angina pectoris. Stern Z, et al.
Int J Clin Pharmacol Ther Toxicol 1984 Apr;22(4):198–203

Efficacy and safety of incremental doses of diltiazem for the treatment of stable angina pectoris. Lindenberg BS, et al.
J Am Coll Cardiol 1983 Dec;2(6):1129–33

Alpha-adrenergic blockade in vasotonic angina: lack of efficacy of specific alpha 1-receptor blockade with prazosin. Robertson RM, et al. **J Am Coll Cardiol** 1983 Dec;2(6):1146–50

'Maximal' drug therapy is not necessarily optimal in chronic angina pectoris. Tolins M, et al. **J Am Coll Cardiol** 1984 Apr;3(4):1051–7

Methemoglobin levels produced by organic nitrates in patients with coronary artery disease. Arsura E, et al.
J Clin Pharmacol 1984 Apr;24(4):160–4

Post-marketing surveillance of the Transiderm-Nitro patch in general practice. Bridgman KM, et al.
J Int Med Res 1984;12(1):40–5

Use of calcium channel blocking agents in angina pectoris. Breland BD, et al. **J Miss State Med Assoc** 1984 Mar; 25(3):57–62 (10 ref.)

Medical management of patients with angina. Has first-line management changed? Chatterjee K, et al. **JAMA** 1984 Sep 7;252(9):1170–6

Long-term effects of molsidomine on exercise tolerance in patients with exertional angina pectoris. Kinoshita M, et al. **Jpn Circ J** 1983 Dec;47(12):1398–405

Cigarette smoking and the treatment of angina with propranolol, atenolol, and nifedipine. Deanfield J, et al. **N Engl J Med** 1984 Apr 12;310(15):951–4

Managing stable angina pectoris: nitroglycerin, beta blockers and risk factor reduction. Wright C. **Nurse Pract** 1984 Feb; 9(2):54, 55, 57 passim

Ocular inflammatory pseudotumor associated with propranolol therapy. Yeomans SM, et al. **Ophthalmology** 1983 Dec;90(12):1422–5

Calcium blockers in angina. How they work, when to prescribe. Heupler FA Jr. **Postgrad Med** 1984 May; 75(6):127–32

The value of combined alpha- and beta-adrenoceptor blockade in angina pectoris. Mulac KD.
Postgrad Med J 1983;59 Suppl 3:33–4

Nitradisc in unstable angina pectoris and continuing chest pain after acute myocardial infarct [letter] Przybojewski JZ. **S Afr Med J** 1984 Feb 11;65(6):192–3

Effect of Sensit (fendiline) in angina pectoris. Böszörményi E, et al. **Ther Hung** 1981;29(3):134–7

Clinical application of Sensit. Pálossy B. **Ther Hung** 1981; 29(4):171–5

Transcoronary platelet thromboxane A2 formation without platelet trapping in patients with coronary stenosis-effect of sulphinpyrazone treatment. Cortellaro M, et al.
Thromb Haemost 1983 Dec 30;50(4):857–9

Chronic treatment and tolerance with high doses of isosorbide dinitrate in a slow release form in patients with angina pectoris. Becker HJ, et al. **Z Kardiol** 1983;72 Suppl 3:199–202

Antianginal efficacy of long-term nitrate therapy. Kenedi P, et al. **Z Kardiol** 1983;72 Suppl 3:233–8

Sustained antianginal efficacy of oral high-dose isosorbide dinitrate in patients with coronary heart disease. Schneider W, et al. **Z Kardiol** 1983;72 Suppl 3:259–67

[Effect of atenolol in the treatment of hypertension and angina pectoris]
Chung Hua Hsin Hsueh Kuan Ping Tsa Chih 1983 Sep; 11(3):202–3 **(Chi)**

[Diurnal variation of angina pectoris attacks. Changes during treatment with beta-blockers] Sterndorff B.
Ugeskr Laeger 1984 Apr 16;146(16):1207–9 (Eng. Abstr.) **(Dan)**

[Value of calcium inhibitors in stable effort angina. Diltiazem versus nifedipine] Schurtz C, et al.
Ann Cardiol Angeiol (Paris) 1983 Jul–Sep;32(5):337–41 (Eng. Abstr.) **(Fre)**

[Molsidomine in exertion angina] Witchitz S, et al.
Ann Cardiol Angeiol (Paris) 1983 Dec;32(8):539–43 (Eng. Abstr.) **(Fre)**

[Therapeutic focus: bepridil] Woler C.
Ann Cardiol Angeiol (Paris) 1984 May–Jun;33(4):245–6 **(Fre)**

[A new family of anti-angina agents] Gourgon R, et al.
Sem Hop Paris 1983 Oct 20;59(37–38):2627–8 **(Fre)**

[Verapamil: antiangina effects] Duchêne-Marullaz P.
Therapie 1984 Mar–Apr;39(2):153–65 (59 ref.) (Eng. Abstr.) **(Fre)**

[Median- and long-term tolerability of diltiazem] Poulain D, et al. **Therapie** 1984 Mar–Apr;39(2):177–84 (Eng. Abstr.) **(Fre)**

[Anti-anginal efficacy of oral nitroglycerin. A clinical double-blind study with dose-effect relationships] Schneider W, et al. **Dtsch Med Wochenschr** 1984 Aug 3; 109(31–32):1187–91 (Eng. Abstr.) **(Ger)**

[Long-term therapy of angina pectoris. Evaluation of the effectiveness and tolerance of oxyfedrine in ambulatory patients] Schieffer H, et al. **Fortschr Med** 1984 May 17; 102(19):551–6 (Eng. Abstr.) **(Ger)**

[Angina pectoris] Werning C. **Med Monatsschr Pharm** 1983 Nov;6(11):322–3 **(Ger)**

[Comparison of the anti-angina effectiveness of gallopamil to isosorbide dinitrate in long-term medication] Kroesen P. **Med Welt** 1983 Dec 16;34(50):1437–40 **(Ger)**

[Treatment of angina pectoris with a beta receptor blocker-nitrate combination. Report on a field study of 3168 patients] Schiess W, et al. **Med Welt** 1983 Aug 26; 34(33–34):906–8 **(Ger)**

[Drug therapy of angina pectoris] Burkart F.
Schweiz Med Wochenschr 1983 Dec 17;113(50):1898–903 (18 ref.) (Eng. Abstr.) **(Ger)**

[The choice of drugs and dosage for angina pectoris] Follath F. **Schweiz Med Wochenschr [Suppl]** 1984;16:65–9 (Eng. Abstr.) **(Ger)**

[Acute and long-term effects of gallopamil (D 600) in stable angina pectoris—a randomized double-blind study] Rettig G, et al. **Z Kardiol** 1983 Dec;72(12):746–54 (Eng. Abstr.) **(Ger)**

[Anti-angina effectiveness of the calcium antagonist nifedipine in relation to coronary involvement] Schulz W, et al. **Z Kardiol** 1983 Nov;72(11):657–64 (Eng. Abstr.) **(Ger)**

[Comparison of 2 recent isosorbide dinitrate preparations as new long-term galenicals with commonly used delayed-action preparations] Hagel H. **ZFA (Stuttgart)** 1984 Jan 10;60(1):40–3 **(Ger)**

[Double-blind comparison between verapamil and propranolol in the therapy of unstable angina] Capucci A, et al. **Boll Soc Ital Cardiol** 1982;27(5):447–52 **(Ita)**

[Duration of action of sustained-release metoprolol in effort angina pectoris] Cioglia G, et al. **Boll Soc Ital Cardiol** 1983 Mar;28(3):253–65 (Eng. Abstr.) **(Ita)**

[Clinical efficacy of long-acting propranolol in patients with stable effort angina] Gaita F, et al.
Boll Soc Ital Cardiol 1982;27(6):549–51 **(Ita)**

[Effects of nifedipine in delayed-action preparation on the tolerance to exertion in angina patients] Lagioia R, et al.
Boll Soc Ital Cardiol 1982 Sep;27(9):865–72 (Eng. Abstr.) **(Ita)**

[Comparison of the efficacy and duration of action of 2 isosorbide dinitrate preparations] Magelli C, et al.
Boll Soc Ital Cardiol 1982;27(6):609–14 **(Ita)**

[Evaluation of the efficacy of verapamil in a slow-release preparation in the treatment of stable exertion angina] Scrutinio D, et al. **Boll Soc Ital Cardiol** 1982 Oct; 27(10):963–71 (Eng. Abstr.) **(Ita)**

[Evaluation of the effects of a new calcium antagonist, diltiazem, in patients with stable effort angina and a therapeutic comparison with nifedipine] Di Pasquale G, et al. **G Ital Cardiol** 1983;14(1):32–9 (Eng. Abstr.) **(Ita)**

[Evaluation of a new percutaneous nitroglycerin preparation in effort angina] Pucci P, et al. **G Ital Cardiol** 1983 Sep; 13(9):167–71 (Eng. Abstr.) **(Ita)**

[Medical or surgical treatment of unstable angina?] Salerno JA. **G Ital Cardiol** 1983 Aug;13(8):115–7 **(Ita)**

[Placebos in the therapy of angina pectoris] Baraldi P, et al. **Minerva Cardioangiol** 1984 Mar;32(3):137–40 (Eng. Abstr.) **(Ita)**

[Clinical study of a new beta-adrenergic receptor blocking substance, indenolol] Cirino D, et al.
Minerva Cardioangiol 1983 Nov;31(11):671–6 (Eng. Abstr.) **(Ita)**

[Diuretics in cardiovascular pathology. Their clinical use in the light of recent pathogenetic studies] Martinelli M, et al. **Minerva Med** 1984 Mar 10;75(9–10):447–55 (62 ref.) (Eng. Abstr.) **(Ita)**

[The medical treatment of angina. Therapy planning based on the pathogenesis of the ischemic cardiopathy] Fox KM, et al. **Recenti Prog Med** 1983 Sep;74(9):1039–52 (Eng. Abstr.) **(Ita)**

[Therapeutic efficacy of prostacyclin in the patients with effort angina—evaluation by treadmill exercise test] Yamamoto M, et al. **Kokyu To Junkan** 1984 Feb;32(2):185–9 (Eng. Abstr.) **(Jpn)**

[Clinical study of anti-anginal action of nitroglycerin] Nagasaki F, et al. **Nippon Naika Gakkai Zasshi** 1983 Jul; 72(7):859–65 **(Jpn)**

[Unstable angina] Tada M. **Nippon Naika Gakkai Zasshi** 1983 Jun;72(6):721–6 **(Jpn)**

[Effects of the combination nifedipine-acebutolol in patients with stable angina pectoris. Comparative double-blind study with the same drugs used separately] Giannini SD, et al. **Arq Bras Cardiol** 1983 Nov;41(5):411–5 (Eng. Abstr.) **(Por)**

[Effects of verapamil on cardiac performance] Câmpeanu A, et al. **Rev Med Interna [Med Interna]** 1984 Jan–Feb; 36(1):87–96 **(Rum)**

[Comparative study of the action of a series of new beta-adrenergic receptor blockaders in patients with effort angina] Romakov AIu, et al.
Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR 1983;6(2):57–63 (Eng. Abstr.) **(Rus)**

[Pharmacodynamics of nitroglycerin: aggravation of angina pectoris after its intake] Butorov VN, et al. **Kardiologiia** 1984 Feb;24(2):104–7 **(Rus)**

[Mechanisms of the anti-anginal effect of obzidan] Furkalo NK, et al. **Kardiologiia** 1984 Jun;24(6):73–6 (Eng. Abstr.) **(Rus)**

[Changes in the physical load tolerance of stenocardia patients taking obzidan, korinfar and izoptin separately and together] Katsenovich RA, et al. **Kardiologiia** 1984 Jun; 24(6):69–73 (Eng. Abstr.) **(Rus)**

[Pharmacodynamics of the new beta blockader corgard (nadolol) in patients with stress-induced angina pectoris] Nikolenko SA, et al. **Kardiologiia** 1984 Feb;24(2):14–8 (Eng. Abstr.) **(Rus)**

[Clinical, cardio- and hemodynamic effects of long- and short-acting beta-adrenergic blockers in the treatment of patients with stable stenocardia] Ol'binskaia LI, et al.
Kardiologiia 1984 Apr;24(4):9–13 (Eng. Abstr.) **(Rus)**

[Comparative study of the effectiveness of inderal and anaprilin in effort angina] Romakov AIu, et al.
Kardiologiia 1983 Oct;23(10):76–82 (Eng. Abstr.) **(Rus)**

[Comparative study of the effectiveness of korinfar, izoptin and obzidan in patients with variant stenocardia combined with effort stenocardia] Shevchenko OP, et al.
Kardiologiia 1984 Jun;24(6):64–9 (Eng. Abstr.) **(Rus)**

[Clinical characteristics and treatment of patients with exercise-induced angina pectoris resistant to propranolol] Romakov AIu, et al. **Klin Med (Mosk)** 1984 Jan;62(1):57–63 **(Rus)**

[Comparative effectiveness of propranolol, nifedipine and their combination in exertion stenocardia patients] Romakov AIu, et al. **Klin Med (Mosk)** 1984 Mar;62(3):71–5 (Eng. Abstr.) **(Rus)**

[Pharmacodynamic comparison of propranolol and verapamil in exertion stenocardia] Sumarokov AB, et al.
Klin Med (Mosk) 1984 Mar;62(3):42–6 (Eng. Abstr.) **(Rus)**

[Effect of nifedipine on the course of unstable angina: experience with 23 patients] Díaz R, et al.
Rev Med Chil 1983 Feb;111(2):153–8 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

Changes in serum creatine kinase BB activity in a patient with chest pain [letter] Spooner RJ, et al. **Clin Chem** 1984 Jun;30(6):1105–6

ETIOLOGY

Symptomatic coronary and cerebral steal after internal mammary-coronary bypass. Bashour TT, et al.
Am Heart J 1984 Jul;108(1):177–8

Coronary-to-bronchial artery anastomosis and multiple pulmonary cysts with angina pectoris. Saito H, et al.
Am Heart J 1984 May;107(5 Pt 1):1037–8

Primary cardiac amyloidosis in a young man presenting with angina pectoris. Saltissi S, et al. **Br Heart J** 1984 Aug; 52(2):233–6

Chest pain in patients with normal coronary arteriograms [editorial] Brandon S. **Br Med J [Clin Res]** 1983 Nov 19; 287(6404):1491–2

The role of coronary artery spasm in exercise-induced angina. Pepine CJ. **Cardiovasc Clin** 1983;14(1):81–6 (25 ref.)

Exertional angina pectoris associated with post-exercise ST segment elevation and nearly normal coronary arteries. Millit HD, et al. **Cleve Clin Q** 1984 Spring;51(1):71–5

Clinical characteristics and prognosis of patients with postinfarction angina caused by coronary artery spasm. Koiwaya Y, et al. **Clin Cardiol** 1984 Feb;7(2):68–75

Angina caused by reduced vasodilator reserve of the small coronary arteries [letter] **J Am Coll Cardiol** 1983 Dec; 2(6):1237–40

Exercise-induced ST segment elevation in a patient with effort angina pectoris and normal coronary arteries. Noneman JW, et al. **J Am Coll Cardiol** 1983 Dec; 2(6):1232–5

Angina—pathological mechanisms, clinical expression and treatment. Poole-Wilson PA. **Postgrad Med J** 1983;59 Suppl 3:11–21 (98 ref.)

Coronary bypass operation for early postinfarction angina. Molina JE, et al. **Surg Gynecol Obstet** 1983 Nov; 157(5):455–60

[Giant cell arteritis and ischemic heart disease] Engby B, et al. **Ugeskr Laeger** 1983 Dec 5;145(49):3823–5 (Eng. Abstr.) **(Dan)**

[Threatened extension of myocardial infarction in situ and coronary spasm] Puel J, et al.
Ann Cardiol Angeiol (Paris) 1984 Feb–Mar;33(2):113–5 (Eng. Abstr.) **(Fre)**

[Esophageal spasm, a principal cause of false angina pectoris] Bory M, et al. **Presse Med** 1984 Jan 21;13(2):73–5 **(Fre)**

[Percutaneous transluminal angioplasty in patients with recurrent angina following aorto-coronary bypass] Morin D, et al. **Schweiz Med Wochenschr** 1983 Nov 12; 113(45):1658–60 (Eng. Abstr.) **(Fre)**

[ECG changes and angina pectoris due to direct current from a defective cardiac pacemaker] Vogt A, et al.
Z Kardiol 1983 Sep;72(9):556–8 (Eng. Abstr.) **(Ger)**

[Role of cervical spondylosis in complicated angina pectoris] Botti G, et al. **Acta Biomed Ateneo Parmense** 1983;54 Suppl 1:31–4 **(Ita)**

[Anamnestic study of chest pain: comparison of angina and gastroesophageal reflux] Conte MR, et al.
Boll Soc Ital Cardiol 1982;27(5):479–84 **(Ita)**

[Surgical relief of myocardial ischemia due to myocardial bridging of the left anterior descending coronary artery] Hayase S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Jan;32(1):76–81 (Eng. Abstr.) **(Jpn)**

[Coronary collateral circulation: its importance and significance in ischemic cardiopathy] Ramírez ML, et al.
Arch Inst Cardiol Mex 1983 Sep–Oct;53(5):397–405 (Eng. Abstr.) **(Spa)**

HISTORY

Angina: from Heberden to Prinzmetal. Cantwell JD.
South Med J 1984 Jul;77(7):896–9

IMMUNOLOGY

[Study of cellular immunity using a multitest in a coronary care unit] Guerrero Sanz JE, et al. **Med Clin (Barc)** 1983 Oct 8;81(10):428–30 (Eng. Abstr.) **(Spa)**

METABOLISM

Increased coronary sinus lactate concentration during pacing induced angina pectoris after clinical improvement by glyceryl trinitrate. Bagger JP, et al. **Br Heart J** 1983 Nov; 50(5):483–90

The reproducibility of hemodynamic, electrocardiographic, and gas exchange data during treadmill exercise in patients with stable angina pectoris. Sullivan M, et al. **Chest** 1984 Sep;86(3):375–82

The metabolical effects of L-carnitine in angina pectoris. Ferrari R, et al. **Int J Cardiol** 1984 Feb;5(2):213–6

Effects of nifedipine on arterial concentration and myocardial extraction of catecholamines during pacing-induced angina pectoris. Emanuelsson H, et al. **J Cardiovasc Pharmacol** 1984 Mar–Apr;6(2):224–32

Diet and myocardial metabolism [letter] Frick MH. **Lancet** 1984 Sep 1;2(8401):515–6

MORTALITY

Effect of stopping smoking after unstable angina and myocardial infarction [letter] Seltzer CC. **Br Med J [Clin Res]** 1983 Oct 29;287(6401):1301–2

The prognosis for patients with new-onset angina who have undergone cardiac catheterization. Roberts KB, et al. **Circulation** 1983 Nov;68(5):970–8

OCCURRENCE

Epidemiology of chest pain and angina pectoris, with special reference to treatment needs. **Acta Med Scand [Suppl]** 1984; 682:1–120

Effect of stepped care treatment on the incidence of myocardial infarction and angina pectoris. 5-Year findings of the hypertension detection and follow-up program. **Hypertension** 1984 Mar–Apr;6(2 Pt 2):I198–206

Chest pain in women: a study of prevalence and mortality follow up in south Wales. Campbell MJ, et al. **J Epidemiol Community Health** 1984 Mar;38(1):17–20

[Comparative characteristics of stenocardia in patients up to 40 and over 65] Volkov VS, et al. **Ter Arkh** 1984; 56(4):49–52 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Early and late morphologic changes in human coronary arteries after percutaneous transluminal coronary angioplasty. Waller BF. **Clin Cardiol** 1983 Aug;6(8):363–72

PHYSIOPATHOLOGY

ST depression and left ventricular haemodynamics during exercise in patients with angina pectoris. Carlens P, et al. **Acta Med Scand** 1983;214(1):43–7

Effects of intravenous verapamil on the haemodynamic response to exercise in patients with angina pectoris. Sadick N, et al. **Acta Med Scand [Suppl]** 1984;681:91–8

Hemodynamic determinants of coronary constriction in human myocardial bridges. Carvalho VB, et al. **Am Heart J** 1984 Jul;108(1):73–80

Thallium-201 myocardial scintigraphy and left ventricular function at rest in patients with rest angina pectoris. Hakki AH, et al. **Am Heart J** 1984 Aug;108(2):326–32

Alterations in left ventricular function during therapy of unstable angina pectoris: relationship to clinical outcome. Narahara KA, et al. **Am Heart J** 1984 Feb;107(2):261–9

Abnormal heart rate response to exercise in vasospastic angina: pathophysiologic mechanism in the provocation of coronary spasm. Sato I, et al. **Am Heart J** 1984 Aug; 108(2):316–26

Sequential changes in regional coronary flow during pacing-induced angina pectoris: coronary flow limitation precedes angina. Wilson JR, et al. **Am Heart J** 1984 Feb; 107(2):269–77

Left ventricular diastolic properties and filling characteristics during spontaneous angina pectoris at rest. Sharma B, et al. **Am J Cardiol** 1983 Oct 1;52(7):704–9

Unstable rest angina with ST-segment depression. Pathophysiologic considerations and therapeutic implications. Oliva PB. **Ann Intern Med** 1984 Mar; 100(3):424–40 (215 ref.)

Computer aided exercise electrocardiographic testing and coronary arteriography in patients with angina pectoris and with myocardial infarction. Angelhed JE, et al. **Br Heart J** 1984 Aug;52(2):140–6

Alterations in angina threshold with nifedipine during pacing induced angina. Kramer PH, et al. **Br Heart J** 1984 Sep; 52(3):308–13

Haemodynamic dose-response effects of i.v. penbutolol in angina pectoris. Silke B, et al. **Br J Clin Pharmacol** 1983 Nov;16(5):529–35

Left ventricular diastolic pressure-segment length relations and end-diastolic distensibility in dogs with coronary stenoses. An angina physiology model. Momomura S, et al. **Circ Res** 1984 Aug;55(2):203–14

Myocardial ischemia during ergonovine testing: different susceptibility to coronary vasoconstriction in patients with exertional and variant angina. Crea F, et al. **Circulation** 1984 Apr;69(4):690–5

Absence of a cumulative deterioration of regional function during three repeated 5 or 15 minute coronary occlusions. Lange R, et al. **Circulation** 1984 Feb;69(2):400–8

Reduction of coronary reserve: a mechanism for angina pectoris in patients with arterial hypertension and normal coronary arteries. Opherk D, et al. **Circulation** 1984 Jan; 69(1):1–7

Interstitial colloid osmotic and hydrostatic pressures in human subcutaneous tissue during early stages of heart failure. Noddeland H, et al. **Clin Physiol** 1984 Aug; 4(4):283–97

Efficacy, duration and mechanism of action of nifedipine in stable exercise-induced angina pectoris. Ardissino D, et al. **Eur Heart J** 1983 Dec;4(12):873–81

Effects of felodipine on systemic and coronary haemodynamics in patients with angina pectoris. Emanuelsson H, et al. **Eur Heart J** 1984 Apr;5(4):308–16

Prevalence of vasospastic ischaemia induced by the cold pressor test or hyperventilation in patients with severe angina. Rasmussen K, et al. **Eur Heart J** 1984 May; 5(5):354–61

Haemodynamic effects of alinidine, a specific sinus node inhibition, in patients with unstable angina or myocardial infarction. Simoons ML, et al. **Eur Heart J** 1984 Mar; 5(3):227–32

Oxytocin antagonism of hypothalamic-induced angina-like ECG changes and pressor effects in the cat. Blum B, et al. **Experientia** 1983 Dec 15;39(12):1349–51

Angina pectoris and cold. Stanghelle JK, et al. **Int Rehabil Med** 1983;5(4):189–91

Computer system for analysis of ST segment changes on 24 hour Holter monitor tapes: comparison with other available systems. Gallino A, et al. **J Am Coll Cardiol** 1984 Aug; 4(2):245–52

Acute nifedipine withdrawal: consequences of preoperative and late cessation of therapy in patients with prior unstable angina. Gottlieb SO, et al. **J Am Coll Cardiol** 1984 Aug; 4(2):382–8

Sotalol and pacing induced angina. Raju PK, et al. **J Assoc Physicians India** 1983 Jul;31(7):417–20

Acute hemodynamic effects of bufuralol: a beta-adrenoceptor blocking drug with vasodilatory effects. Pfisterer M, et al. **J Cardiovasc Pharmacol** 1984 May–Jun; 6(3):417–22

Long-term persistence of antianginal effect of oral verapamil in chronic stable angina. Zanolla L, et al. **J Cardiovasc Pharmacol** 1984 May–Jun;6(3):423–8

Body surface distribution of exercise-induced ST depression in patients with angina pectoris. Kubota I, et al. **Jpn Heart J** 1983 Nov;24(6):853–62

Nitrates and angina [editorial] **Lancet** 1984 May 5; 1(8384):998–9

Myocardial ischaemia during daily life in patients with stable angina: its relation to symptoms and heart rate changes. Deanfield JE, et al. **Lancet** 1983 Oct 1;2(8353):753–8

Mechanisms of nocturnal angina pectoris: importance of increased myocardial oxygen demand in patients with severe coronary artery disease. Quyyumi AA, et al. **Lancet** 1984 Jun 2;1(8388):1207–9

Acute haemodynamic effects of endralazine in patients with coronary artery disease and stable angina pectoris. van der Wall EE, et al. **Postgrad Med J** 1983;59 Suppl 3:42–4

Cardiovascular effects of secretin infusion in man. Gunnes P, et al. **Scand J Clin Lab Invest** 1983 Nov;43(7):637–42

The role of nitrates on regional subendocardial ischaemia—studies with endocardial monophasic action potentials during pacing-induced angina. Donaldson RM, et al. **Z Kardiol** 1983;72 Suppl 3:162–7

Interaction of indomethacin and nitroglycerin on hemodynamics and exercise tolerance in patients with angina pectoris. Thadani U, et al. **Z Kardiol** 1983;72 Suppl 3:35–9

[The relation between the cardiac work and attack of angina pectoris] Chen JL. **Chung Hua Nei Ko Tsa Chih** 1983 Oct; 22(10):618–22 (Eng. Abstr.) **(Chi)**

[Physiopathologic correlates of clinical and instrumental data in patients with severe angina pectoris] Permutti B, et al. **Boll Soc Ital Cardiol** 1982;27(6):553–72 **(Ita)**

[Effects of the cold pressor test and mental stress on coronary flow and resistance in patients with angina pectoris] De Servi S, et al. **G Ital Cardiol** 1984 May;14(5):305–11 (Eng. Abstr.) **(Ita)**

[Significance of the fourth heart sound in patients with angina pectoris] Komatsu H, et al. **J Cardiogr** 1983 Dec; 13(4):873–80 (Eng. Abstr.) **(Jpn)**

[Asynchronous left ventricular filling in patients with angina pectoris: assessment by multiple gated blood pool imaging] Yamagishi T, et al. **Kaku Igaku** 1983 Nov;20(9):1263–71 (Eng. Abstr.) **(Jpn)**

[Impaired left ventricular diastolic filling in patients with angina pectoris, diabetes mellitus and essential hypertension: assessment with a backward method of ECG-gated equilibrium radionuclide angiocardiography] Arita T, et al. **Kokyu To Junkan** 1984 May;32(5):511–7 (Eng. Abstr.) **(Jpn)**

[Unstable angina] Kimata S, et al. **Kokyu To Junkan** 1983 Jun;31(6):587–601 (56 ref.) **(Jpn)**

[Coronary flow and myocardial metabolism during ischemic attack. Effort angina vs vasospastic angina] Nanto S, et al. **Kokyu To Junkan** 1984 Mar;32(3):299–303 (Eng. Abstr.) **(Jpn)**

[Quantitative analysis of the QRS magnitude in patients with ischemic ST depression] Ohnishi S. **Kokyu To Junkan** 1983 Oct;31(10):1123–9 (Eng. Abstr.) **(Jpn)**

[Autonomic nerve response to pilocarpine load in patients with angina pectoris and its physiopathological significance] Tamada K, et al. **Kokyu To Junkan** 1983 Nov; 31(11):1187–90 **(Jpn)**

[Mechanism of anginal pain] Yokota T. **Kokyu To Junkan** 1984 Apr;32(4):341–8 (53 ref.) **(Jpn)**

[Cardiorespiratory response during exercises in effort angina pectoris] Yamabe H, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Jul;21(7):631–8 (Eng. Abstr.) **(Jpn)**

[Clinical application of Holter electrocardiography in effort angina] Kohya T. **Nippon Naika Gakkai Zasshi** 1983 Jun; 72(6):751–60 **(Jpn)**

[Angina pectoris and cold] Stanghelle JK, et al. **Tidsskr Nor Laegeforen** 1983 Aug 20;103(23):1630–2 (Eng. Abstr.) **(Nor)**

[Coronary blood outflow along parasinoidal pathways in the left heart (possible pathogenesis of angina attacks with normal coronary circulation)] Kositskiĭ GI, et al. **Biull Eksp Biol Med** 1984 Apr;97(4):393–6 (Eng. Abstr.) **(Rus)**

[Functional state of the myocardium during stenocardia induced by isoproterenol] Kostko SZ, et al. **Kardiologiia** 1984 Mar;24(3):95–9 (Eng. Abstr.) **(Rus)**

[Microcirculation and rheology of cardiovascular diseases: physiological, clinical and pharmacological aspects] Pokalev GM, et al. **Kardiologiia** 1983 Nov;23(11):89–92 (Eng. Abstr.) **(Rus)**

[Hemodynamics of ischemic heart disease patients during attacks of stenocardia at rest and during effort] Svirshchevskiĭ EB, et al. **Kardiologiia** 1984 Jun;24(6):98–9 **(Rus)**

PREVENTION & CONTROL

Transdermal nitroglycerin in angina pectoris. Parker JO, et al. **Am J Cardiol** 1984 Sep 1;54(6):471–6

Long-acting nitrates: relative utility of nitroglycerin patches. Reichek N. **Am J Med** 1984 Jun 22;76(6A):63–6

Prevention of intraoperative myocardial ischemia during noncardiac surgery with intravenous nitroglycerin. Coriat P, et al. **Anesthesiology** 1984 Aug;61(2):193–6

Nifedipine in continuous ambulatory peritoneal dialysis [letter] Spital A, et al. **Arch Intern Med** 1983 Oct; 143(10):2025

The long-term effect of dietary supplementation with fish lipid concentrate on serum lipids, bleeding time, platelets and angina. Saynor R, et al. **Atherosclerosis** 1984 Jan; 50(1):3–10

Effects of low-dose dobutamine on coronary hemodynamics, myocardial metabolism, and anginal threshold in patients with coronary artery disease. Pacold I, et al. **Circulation** 1983 Nov;68(5):1044–50

[Comparative antianginal, hemodynamic and pharmacokinetic effects of isosorbide-2-mononitrate and isosorbide dinitrate in the rat] Leitold M, et al. **Arzneimittelforsch** 1983;33(8):1117–21 (Eng. Abstr.) **(Ger)**

[Randomized double-blind comparative study: glycerol trinitrate and isosorbide mononitrate] Kayali A. **Med Welt** 1983 Dec 16;34(50):1441–4 **(Ger)**

[Results of a clinical multicenter study with Mono Mack 20 mg/40 mg] Schmidt G, et al. **Med Welt** 1983 Nov 18; 34(46):1322–4 **(Ger)**

[Changes in the unmodified vessels after aortocoronary bypass surgery] Goebel N, et al. **ROFO** 1983 Dec; 139(6):595–602 (Eng. Abstr.) **(Ger)**

[Transdermal nitroglycerin treatment] Terland O. **Tidsskr Nor Laegeforen** 1984 Feb 10;104(4):251–2 (Eng. Abstr.) **(Nor)**

PSYCHOLOGY

Psychological state and angina in patients with normal coronary arteries [letter] **Br Med J [Clin Res]** 1984 Jan 14;288(6411):150

Patients with angina with normal and near normal coronary arteries: clinical and psychosocial state 12 months after angiography. Bass C, et al. **Br Med J [Clin Res]** 1983 Nov 19;287(6404):1505–8

Denial predicts favorable outcome in unstable angina pectoris. Levenson JL, et al. **Psychosom Med** 1984 Jan–Feb; 46(1):25–32

[Relation between personality and spastic angina] Moustier JM, et al. **Presse Med** 1984 May 19;13(21):1311–4 (Eng. Abstr.) **(Fre)**

[Indicators of the mental state of patients with stenocardia] Zaĭtsev VP, et al. **Ter Arkh** 1983;55(12):22–4 **(Rus)**

RADIOGRAPHY

Ventricular arrhythmias during coronary angiography in patients with angina pectoris or chest pain syndromes. Nishimura RA, et al. **Am J Cardiol** 1984 Jun 1; 53(11):1496–9

Rapid progression of coronary stenosis in patients with unstable angina pectoris selected for coronary angioplasty. Kimbiris D, et al. **Cathet Cardiovasc Diagn** 1984; 10(2):101–14

Arteriographic features of angina pectoris associated with ST segment depression during coronary arterial spasm. Kodama K, et al. **Jpn Circ J** 1983 Dec;47(12):1406–14

[Angina pectoris in women. A difficult diagnosis] von der

Lippe A, et al. **Tidsskr Nor Laegeforen** 1983 Aug 20; 103(23):1632–4 (Eng. Abstr.) (Nor)

RADIONUCLIDE IMAGING

Thallium-201 myocardial imaging during maximal and submaximal exercise: comparison of submaximal exercise with propranolol. Steele P, et al. **Am Heart J** 1983 Dec; 106(6):1353–7

Comparative value of 2-dimensional echocardiography and radionuclide angiography for quantitating changes in left ventricular performance during exercise limited by angina pectoris. Crawford MH, et al. **Am J Cardiol** 1984 Jan 1; 53(1):42–6

Regional left ventricular contraction abnormality during early systole in patients with angina pectoris. Assessment with radionuclide ventriculography. Yamagishi T, et al. **Br Heart J** 1984 Mar;51(3):267–74

Clinical evaluation of 99mTc-pyrophosphate myocardial emission computed tomography: comparison with planar imaging. Tamaki N, et al. **Eur J Nucl Med** 1984;9(3):106–11

Regional myocardial dysfunction in patients with angina at rest and response to isosorbide dinitrate assessed by phase analysis of radionuclide ventriculograms. Marzullo P, et al. **J Am Coll Cardiol** 1984 Jun;3(6):1357–66

Myocardial scintigraphy with 123I-labelled heptadecanoic acid in patients with unstable angina pectoris. van der Wall EE, et al. **Postgrad Med J** 1983;59 Suppl 3:38–40

Improved diagnostic yield of radionuclide angiography by quantitative phase analysis during resting angina and following isosorbide dinitrate. Marzullo P, et al. **Z Kardiol** 1983;72 Suppl 3:124–7

[Gluconate scan of the heart in dogs with experimentally induced temporary myocardial ischemia] Duška F, et al. **Cesk Radiol** 1984 May;38(3):197–205 (Eng. Abstr.) (Cze)

[Diagnostic reliabilities of exercise stress radionuclide angiocardiography and thallium-201 myocardial perfusion imaging in patients with effort angina] Miyakoda H, et al. **Kaku Igaku** 1983 Jul;20(6):831–40 (Eng. Abstr.) (Jpn)

[Accumulation of 99m Tc-Sn-pyrophosphate in the myocardium and the contractile function of the left ventricle in patients with stable angina] Botnar' VI, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1983;6(2):94–6 (Rus)

[Comparative evaluation of methods of myocardial scintigraphy using 99mTc-Sn-glucohepatonate and 99mTc-Sn-pyrophosphate in the diagnosis of acute myocardial infarction and unstable stenocardia] Stepanova IP, et al. **Kardiologiia** 1984 Mar;24(3):31–5 (Eng. Abstr.) (Rus)

[Comparative evaluation of the results of myocardial scintigraphy in patients with stenocardia] Kramer AA, et al. **Sov Med** 1983;(9):3–6 (Eng. Abstr.) (Rus)

[Usefulness of the exercise test with thallium in asymptomatic patients after one episode of unstable angina] Roig E, et al. **Rev Esp Cardiol** 1984 Mar-Apr;37(2):85–9 (Eng. Abstr.) (Spa)

SURGERY

Coronary artery surgery in patients with myxoedema. Holvoet G, et al. **Acta Cardiol (Brux)** 1984;39(2):139–45

Intraoperative balloon-catheter dilatation: University of Florida experience. Faro RS, et al. **Am Heart J** 1984 Apr; 107(4):841–4

Influence of propranolol plasma levels on hemodynamics during coronary artery bypass surgery. Sill JC, et al. **Anesthesiology** 1984 May;60(5):455–63

Surgical treatment of unstable angina pectoris. Huttunen K, et al. **Ann Chir Gynaecol** 1983;72(5):253–6

Operative intervention for postinfarction angina. Baumgartner WA, et al. **Ann Thorac Surg** 1984 Sep; 38(3):265–7

Enhanced late survival following coronary artery bypass graft operation for unstable versus chronic angina. Cobanoglu A, et al. **Ann Thorac Surg** 1984 Jan;37(1):52–9

Assessment of aortocoronary bypass grafting using exercise ST segment/heart rate relation. Kardash MM, et al. **Br Heart J** 1984 Apr;51(4):386–94

Myocardial infarction related to coronary artery bypass graft surgery. McGregor CG, et al. **Br Heart J** 1984 Apr; 51(4):399–406

Coronary artery vein grafting in a case of Ehlers-Danlos syndrome. Redington A, et al. **Br Heart J** 1984 Aug; 52(2):237–9

Coronary bypass surgery for unstable angina. Rahimtoola SH. **Circulation** 1984 Apr;69(4):842–8

Coronary artery surgery as a measure of vocational rehabilitation: an analysis of the working status of patients with mild angina randomly assigned to medical or surgical treatment. Danchin N, et al. **Eur Heart J** 1983 Oct; 4(10):687–90

Postinfarction angina: results of early revascularization. Williams DB, et al. **J Am Coll Cardiol** 1983 Nov;2(5):859–64

Coronary artery bypass grafting for unstable angina. Risk factors of operative mortality. Ottino GM, et al. **J Cardiovasc Surg (Torino)** 1984 Mar-Apr;25(2):153–7

Improvement in aerobic and hemodynamic responses to exercise following aorta-coronary bypass grafting. Hossack KF, et al. **J Thorac Cardiovasc Surg** 1984 Jun;87(6):901–7

Sequential internal mammary-coronary artery bypass. Kabbani SS, et al. **J Thorac Cardiovasc Surg** 1983 Nov; 86(5):697–702

Coronary revascularization in the presence of ascending aortic calcification: use of an internal mammary artery-saphenous vein composite graft. Murphy DA, et al. **J Thorac Cardiovasc Surg** 1984 May;87(5):789–91

[Long-term results of aortocoronary bypass in chronic and unstable angina] Pauchant M, et al. **LARC Med** 1984 Mar; 4(3):127–37 (53 ref.) (Eng. Abstr.) (Fre)

[Atypical and ischemic chest pain more than a year after aortocoronary bypass] Hoffmann A, et al. **Dtsch Med Wochenschr** 1983 Oct 21;108(42):1583–6 (Eng. Abstr.) (Ger)

[Treatment of stable angina pectoris: when to operate?] Salzmann C. **Schweiz Med Wochenschr** 1984 Jan 21; 114(3):91–6 (Eng. Abstr.) (Ger)

[Unstable angina pectoris: surgical treatment] Turina M. **Verh Dtsch Ges Herz Kreislaufforsch** 1983;49:35–40 (Ger)

[Psychological coping mechanisms in open heart surgery in relation to the personality structure of the patient. The possibilities for cooperation between psychosomatic medicine and cardiology] Jordan J, et al. **Z Psychosom Med Psychoanal** 1983;29(4):380–403 (Eng. Abstr.) (Ger)

[Factors influencing the recurrence of angina and the clinical picture of surgical patients after aortocoronary bypass. Study 4 to 7 years after intervention] Permutti B, et al. **Boll Soc Ital Cardiol** 1982;27(3):237–49 (Eng. Abstr.) (Ita)

[Aortocoronary bypass surgery for unstable angina with old myocardial infarction] Ninomiya J, et al. **Kyobu Geka** 1983; 36(7):525–32 (Eng. Abstr.) (Jpn)

[Long-term follow-up of surgical patients with ischemic heart disease] Kazui T, et al. **Nippon Geka Gakkai Zasshi** 1983 Sep;84(9):844–6 (Eng. Abstr.) (Jpn)

[A comparative study of long-term results of surgical and medical treatment for ischemic heart disease] Komatsu H, et al. **Nippon Geka Gakkai Zasshi** 1983 Sep;84(9):855–9 (Eng. Abstr.) (Jpn)

[Hemodynamic effects of DBcAMP in patients with low cardiac output syndrome following open-heart surgery] Yamada T, et al. **Nippon Geka Gakkai Zasshi** 1984 May; 85(5):409–14 (Eng. Abstr.) (Jpn)

[Significance of aorto-coronary bypass surgery in homozygous familial hyperlipidemia] Kitamura S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Dec; 31(12):2188–95 (Eng. Abstr.) (Jpn)

[Surgical experience with angina caused by myocardial bridges] Oku T, et al. **Rinsho Kyobu Geka** 1983 Jul; 3(4):489–93 (Eng. Abstr.) (Jpn)

THERAPY

Percutaneous transluminal coronary angioplasty in patients with stable and unstable angina pectoris: analysis of early and late results. Meyer J, et al. **Am Heart J** 1983 Nov;106(5 Pt 1):973–80

Percutaneous angioplasty of stenoses of bypass grafts or of bypass graft anastomotic sites. Block PC, et al. **Am J Cardiol** 1984 Mar 1;53(6):666–8

Five-year effect of medical and surgical therapy on resting left ventricular function in stable angina: Veterans Administration Cooperative Study. Detre KM, et al. **Am J Cardiol** 1984 Feb 1;53(4):444–50

Recanalization of occluded left main coronary artery in unstable angina pectoris. Erbel R, et al. **Am J Cardiol** 1984 Jun 1;53(11):1725–7

Role of percutaneous transluminal coronary angioplasty in the treatment of unstable angina. Report from the National Heart, Lung, and Blood Institute Percutaneous Transluminal Coronary Angioplasty and Coronary Artery Surgery Study Registries. Faxon DP, et al. **Am J Cardiol** 1984 Jun 15;53(12):131C–135C

Unstable angina [letter] Rogers WR, et al. **Ann Intern Med** 1984 Aug;101(2):281–2

Use of the exercise maximal ST segment/heart rate slope in assessing the results of coronary angioplasty. Silverton NP, et al. **Br Heart J** 1984 Apr;51(4):379–85

Coumadin and aspirin in prevention of recurrence after transluminal coronary angioplasty: a randomized study. Thornton MA, et al. **Circulation** 1984 Apr;69(4):721–7

Intravenous dl-carnitine fails to increase the double-product during atrial pacing in patients with effort angina. A double-blind randomized study. Biagini A, et al. **G Ital Cardiol** 1983 Nov;13(11):291–4

Unstable angina pectoris after myocardial infarction. Shay T, et al. **IMJ** 1984 Jul;166(1):27–30

Angina pectoris. Natural history and strategies for evaluation and management. Silverman KJ, et al. **N Engl J Med** 1984 Jun 28;310(26):1712–7 (61 ref.)

An evaluation of the combination of medical and surgical therapy in the treatment of unstable angina. Sokol DM, et al. **Ohio State Med J** 1983 Jun;79(6):461–3

Percutaneous transluminal coronary angioplasty in patients with unstable angina. Erbel R, et al. **Postgrad Med J** 1983; 59 Suppl 3:22–5

Improved ischemic tolerance during percutaneous transluminal coronary angioplasty by intracoronary injection of nitroglycerin. Erbel R, et al. **Z Kardiol** 1983; 72 Suppl 3:71–3

[De novo angina with obliteration of the proximal anterior interventricular artery. Treatment by angioplasty during coronarography (letter)] Gaspard P, et al. **Presse Med** 1984 Jul 14–21;13(29):1792 (Fre)

[A patient treated with intravenous fibrinolysis and percutaneous transluminal angioplasty following myocardial infarct] Dubois C, et al. **Rev Med Liege** 1983 Nov 15;38(22):848–54 (Fre)

[Coronary vessel dilatation using guided balloon catheters. Experiences with the first 100 dilatations in stable and unstable angina pectoris] von Essen R, et al. **Dtsch Med Wochenschr** 1984 Apr 27;109(17):651–5 (Eng. Abstr.) (Ger)

[Unstable angina pectoris] Friedemann M. **Schweiz Med Wochenschr** 1984 Jan 21;114(3):96–100 (Eng. Abstr.) (Ger)

[Medium-long-term clinical evaluation of the effects of coronary surgery in 133 patients with stable effort-angina] Artiaco D, et al. **Minerva Cardioangiol** 1984 Apr; 32(4):163–70 (Eng. Abstr.) (Ita)

[Percutaneous transluminal coronary angioplasty (PTCA)] Aizawa T, et al. **Nippon Rinsho** 1983 Dec;41(12):2840–8 (Jpn)

[Case of effort angina with sick sinus syndrome] Maeda S, et al. **Rinsho Kyobu Geka** 1983 Sep;3(5):601–5 (Eng. Abstr.) (Jpn)

[Health care services for patients with angina pectoris. An evaluation of diagnosis and treatment at a regional hospital] Nordby A, et al. **Tidsskr Nor Laegeforen** 1983 Aug 20; 103(23):1634–7 (Eng. Abstr.) (Nor)

[Results of ambulatory graded exercise therapy of exertion-induced stable angina pectoris] Dabrowska G. **Pol Tyg Lek** 1984 Jan 2;39(1):1–5 (Eng. Abstr.) (Pol)

[Initial and late results of transluminal coronary angioplasty. Experience of 3 1/2 years] de Moraes AG, et al. **Arq Bras Cardiol** 1983 Jul;41(1):5–13 (62 ref.) (Eng. Abstr.) (Por)

[Hyperbaric oxygenation as a treatment method for the pain syndrome of patients with aortic heart defects] Kun IS, et al. **Ter Arkh** 1984;56(4):135–6 (Rus)

[Effective treatment of angina pectoris with transcutaneous electric nerve stimulation] Mannheimer C, et al. **Lakartidningen** 1984 Feb 29;81(9):779–81 (Eng. Abstr.) (Swe)

ANGINA PECTORIS, VARIANT

CHEMICALLY INDUCED

Salicylate-induced variant angina [letter] Al-Abbasi AH. **Am Heart J** 1983 Dec;106(6):1450

Ventricular arrhythmias during ergonovine-induced episodes of variant angina. Szlachcic J, et al. **Am Heart J** 1984 Jan; 107(1):20–4

[Prinzmetal angina caused by dihydroergotamine. Acute event in the catheterization of an atrial septal defect] Konrad A, et al. **MMW** 1984 Feb 24;126(8):205–6 (Ger)

COMPLICATIONS

Transient left posterior hemiblock during Prinzmetal's angina culminating in acute myocardial infarction. Ortega-Carnicer J, et al. **Chest** 1983 Nov;84(5):638–40

Transient right bundle branch block and left anterior hemiblock during Prinzmetal's angina. Ortega-Carnicer J, et al. **J Electrocardiol** 1983 Oct;16(4):419–21

[Variant form of angina pectoris with frequent attacks of ventricular tachycardia] Ishizuka T, et al. **Kokyu To Junkan** 1983 Jun;31(6):629–35 (Jpn)

DIAGNOSIS

Hyperventilation-induced variant angina with ventricular tachycardia. Hisano K, et al. **Am Heart J** 1984 Aug; 108(2):423–5

The clinical syndrome of variant angina. Conti CR, et al. **Cardiovasc Clin** 1983;14(1):59–69 (24 ref.)

Value and limitations of provocative testing to assess the efficacy of treatment in variant angina. Waters DD. **Cardiovasc Clin** 1983;14(1):87–98 (51 ref.)

What is the long-term prognosis of patients with coronary spasm and normal coronary arteries? Bott-Silverman C, et al. **Int J Cardiol** 1984 Jul;6(1):112–6

Diagnosis and management of variant angina. Elbaum DM, et al. **J Am Osteopath Assoc** 1984 Feb;83(6):419–28 (21 ref.)

A case of ST segment and T wave alternans. Chockalingam V, et al. **J Assoc Physicians India** 1983 Oct;31(10):673–4

ST segment alternans in vasospastic angina [letter] Santinelli V, et al. **PACE** 1983 Sep;6(5 Pt 1):979–82

[Diagnostic possibilities in Prinzmetal (variant) angina pectoris] Jánosi A, et al. **Orv Hetil** 1983 Oct 30; 124(44):2675–81 (Eng. Abstr.) (Hun)

[Prinzmetal's angina pectoris as a variant of unstable stenocardia] Ermilov LP, et al. **Ter Arkh** 1983;55(10):84–8 (15 ref.) (Eng. Abstr.) (Rus)

[Long-term ECG for the diagnosis of spasm angina] Hedman A, et al. **Lakartidningen** 1984 Feb 8;81(6):452–6 (Eng. Abstr.) (Swe)

DRUG THERAPY

Ergonovine provocation to assess efficacy of long-term therapy in Prinzmetal's variant angina [letter] Krone RJ, et al. **Am J Cardiol** 1984 Apr 1;53(8):1207

Rebound of vasospastic angina after cessation of long-term treatment with nifedipine. Lette J, et al. **Can Med Assoc J** 1984 May 1;130(9):1169–71, 1174

Treatment of vasospastic angina. MacAlpin R. **Cardiovasc Clin** 1983;14(1):129–72 (255 ref.)

A double-blind, placebo-controlled study of ketanserin in patients with Prinzmetal's angina. Evidence against a role for serotonin in the genesis of coronary vasospasm. De Caterina R, et al. **Circulation** 1984 May;69(5):889–94

Calcium-channel blockers in vasospastic angina—a review. Ambrosio G. **Postgrad Med J** 1983;59 Suppl 3:26–9 (13 ref.)

[Efficacy of chronic treatment with verapamil of patients with spontaneous angina] Zoni Berisso M, et al. **Boll Soc Ital Cardiol** 1983 Mar;28(3):237–44 (Eng. Abstr.) **(Ita)**

[Comparative study of the effectiveness of korinfar, izoptin and obzidan in patients with variant stenocardia combined with effort stenocardia] Shevchenko OP, et al. **Kardiologiia** 1984 Jun;24(6):64–9 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Variant angina induced by alcohol ingestion. Takizawa A, et al. **Am Heart J** 1984 Jan;107(1):25–7

Transient predominant right ventricular ischemia caused by coronary vasospasm. Parodi O, et al. **Circulation** 1984 Aug; 70(2):170–7

[Induction of Prinzmetal's angina by stopping exercise. Apropos of 3 cases] Ollivier JP, et al. **Arch Mal Coeur** 1983 Oct;76(10):1163–70 (Eng. Abstr.) **(Fre)**

[Current information on the role of the coronary artery spasm in the development of anginal pain and myocardial infarction] Aleksandrow D, et al. **Kardiol Pol** 1983; 26(2):97–104 **(Pol)**

FAMILIAL & GENETIC

Variant angina in siblings with mild coronary artery disease. Madias JE, et al. **Am J Cardiol** 1984 Mar 15;53(7):956–7

HISTORY

Angina: from Heberden to Prinzmetal. Cantwell JD. **South Med J** 1984 Jul;77(7):896–9

PHYSIOPATHOLOGY

Transient changes in left ventricular mechanics during attacks of Prinzmetal angina: a two-dimensional echocardiographic study. Distante A, et al. **Am Heart J** 1984 Sep;108(3 Pt 1):440–6

Transient changes in left ventricular mechanics during attacks of Prinzmetal's angina: an M-mode echocardiographic study. Distante A, et al. **Am Heart J** 1984 Mar;107(3):465–74

The mechanism of dysrhythmias in variant angina pectoris: occlusive versus reperfusion. Kerin NZ, et al. **Am Heart J** 1983 Dec;106(6):1332–40

Circadian variation in variant angina. Waters DD, et al. **Am J Cardiol** 1984 Jul 1;54(1):61–4

Abnormal reflex vasoconstriction to cold stimulation in forearm of patients with variant angina. Nakamura Y, et al. **Angiology** 1984 Mar;35(3):177–82

Electrical alternans. An association with coronary artery spasm. Cheng TC. **Arch Intern Med** 1983 May; 143(5):1052–3

U wave inversion during attacks of variant angina. Miwa K, et al. **Br Heart J** 1983 Oct;50(4):378–82

Pathophysiology of angina pectoris due to coronary artery spasm. Greenspon AJ, et al. **Cardiovasc Clin** 1983; 14(1):17–29 (65 ref.)

Myocardial ischemia during ergonovine testing: different susceptibility to coronary vasoconstriction in patients with exertional and variant angina. Crea F, et al. **Circulation** 1984 Apr;69(4):690–5

Clinical characteristics and long-term survival of patients with variant angina. Mark DB, et al. **Circulation** 1984 May; 69(5):880–8

Non-pharmacological provocation of coronary vasospasm. Experience with prolonged hyperventilation in the coronary care unit. Mortensen SA, et al. **Eur Heart J** 1983 Jun;4(6):391–7

Diurnal variation of variant angina. Araki H, et al. **Int J Cardiol** 1984 Mar;5(3):402–5

Three-vessel coronary artery spasm in a patient with variant angina and normal coronary arteries. Lewin RF, et al. **Int J Cardiol** 1983 Nov-Dec;4(4):467–9

Two electrocardiographic patterns with or without transient T-wave inversion during recovery periods of variant anginal attacks. Miwa K, et al. **Jpn Circ J** 1983 Dec; 47(12):1415–22

Exercise-induced cyclic episodes of S-T segment elevation in a patient with variant angina. Sato I, et al. **Jpn Heart J** 1983 Sep;24(5):739–46

[Electrocardiography in spontaneous angina] Cherchi A, et al. **Boll Soc Ital Cardiol** 1982 Oct;27(10):1003–15 (85 ref.) **(Ita)**

[Incidence and mechanisms of syncope symptomatology in Prinzmetal's angina] Chimienti M, et al. **Boll Soc Ital Cardiol** 1983 Aug;28(8):689–93 (Eng. Abstr.) **(Ita)**

[Evaluation of localized left ventricular wall motions and functions during attacks of variant angina—echocardiography] Mizushige K. **Nippon Naika Gakkai Zasshi** 1983 Aug;72(8):995–1005 **(Jpn)**

[Circadian variation of exercise tests in a case of Prinzmetal's angina] Díaz R, et al. **Rev Med Chil** 1983 Feb;111(2):159–63 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

[Spasm at the tip of the sound during coronarography. A probable manifestation of spastic angina? (letter)] Schurtz C, et al. **Presse Med** 1984 Jun 30;13(27):1697 **(Fre)**

SURGERY

A case of variant angina and myocardial infarction 6 months after successful bypass surgery. Takatsu F, et al. **Jpn Heart J** 1983 Sep;24(5):747–55

[Surgical treatment of variant angina] Takemasa A. **Kokyu To Junkan** 1984 Jun;32(6):595–9 (Eng. Abstr.) **(Jpn)**

[Surgical treatment for variant angina] Shimamoto M. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Jun;31(6):828–38 (Eng. Abstr.) **(Jpn)**

THERAPY

Partial sympathetic denervation for variant angina pectoris [letter] Spodick DH. **Am J Cardiol** 1983 Nov 1;52(8):1153

[Results of coronary transluminal angioplasty following Prinzmetal's angina or fixed stenosis with associated spasm] Cherrier F, et al. **Arch Mal Coeur** 1984 Jul;77(7):800–5 (Eng. Abstr.) **(Fre)**

[Atypical and Prinzmetal's angina. Concepts and management] Grivaux M, et al. **Sem Hop Paris** 1983 Oct 20;59(37–38):2623–5 **(Fre)**

ANGINA, UNSTABLE see under **ANGINA PECTORIS**

ANGIOCARDIOGRAPHY

Angiographic estimation of poststenotic jet kinetics in aortic valve stenosis. Henriksson L. **Acta Radiol [Diagn] (Stockh)** 1984;25(3):185–8

Investigation of left ventricular function by digital subtraction angiography. Greenbaum RA, et al. **Br Heart J** 1984 Feb;51(2):163–7

Contrast media for left ventricular angiography. A comparison between Cardio-Conray and iopamidol. Gwilt DJ, et al. **Br Heart J** 1984 Apr;51(4):427–30

Hemodynamic changes after angiocardiography with a new low osmolar contrast medium (sodium-meglumin-joxaglat). Theler A, et al. **Cathet Cardiovasc Diagn** 1983;9(6):577–81

Sex differences in cardioangiographic findings after myocardial infarction. Johansson S, et al. **Eur Heart J** 1984 May;5(5):374–81

The renal effects of radiocontrast administration during cardioangiography in two different groups with congenital heart disease. Sagy M, et al. **Eur J Pediatr** 1984 Feb; 141(4):236–9

Dimensions of the great arteries, semilunar valve roots, and right ventricular outflow tract during growth: normative angiocardiographic data. Sievers HH, et al. **Pediatr Cardiol** 1983 Jul-Sep;4(3):189–96

[Comparative study of 2 contrast media with low osmolarity in pediatric angiocardiography] Hoeffel JC, et al. **Ann Radiol (Paris)** 1983 Dec;26(8 Pt 2):712–3 (Eng. Abstr.) **(Fre)**

[Evaluation of left ventricular function and regional kinetics following myocardial infarction. Comparative study of angiocardiography, echography and radionuclide angiography] Muller JJ, et al. **Schweiz Med Wochenschr [Suppl]** 1984;16:50–4 (Eng. Abstr.) **(Fre)**

[Aneurysm of the membranous septum. Angiocardiographic study] Goebel N, et al. **ROFO** 1984 Feb;140(2):121–7 (Eng. Abstr.) **(Ger)**

[The significance of improved angiocardiography systems in the quantitative assessment of proximal coronary stenosis. Comparison of angiographic and hemodynamic measurements in vivo] Bonzel T, et al. **Schweiz Med Wochenschr [Suppl]** 1984;16:77–81 (Eng. Abstr.) **(Ger)**

[Non-invasive determination of the enddiastolic volume of the left ventricle. A comparative angiocardiographic, two-dimensional echocardiographic, computer tomographic and radionuclide ventriculographic study] Bohn J, et al. **Z Kardiol** 1983 Aug;72(8):438–47 (Eng. Abstr.) **(Ger)**

[Unusual contrast medium distribution in the left ventricular myocardium in infants with a high degree of aortic valve stenosis and endocardial fibroelastosis. Pathologico-morphologic findings] Hallmann U, et al. **Z Kardiol** 1983 Nov;72(11):675–80 (Eng. Abstr.) **(Ger)**

[Left ventricular function at rest and during exercise in patients with arterial hypertension. Studies using digital subtraction angiocardiography] Jehle J, et al. **Z Kardiol** 1984 Apr;73(4):248–56 (Eng. Abstr.) **(Ger)**

[Digital subtraction angiocardiography: accuracy of measuring left ventricular wall thickness and wall volume during intravenous contrast media injection] Lauber A, et al. **Z Kardiol** 1984 Apr;73(4):257–63 (Eng. Abstr.) **(Ger)**

[Diagnosis of dissecting aortic aneurysm by digital subtraction angiography] Yamaguchi T, et al. **J Cardiogr** 1983 Mar;13(1):117–24 (Eng. Abstr.) **(Jpn)**

[Clinical study of metrizamide for cardioangiography in children] Kojima Y, et al. **Rinsho Hoshasen** 1983 Sep; 28(9):967–70 (Eng. Abstr.) **(Jpn)**

[Cardioangiography using metrizamide—in patients with Kawasaki disease] Takamiya M, et al. **Rinsho Hoshasen** 1983 Jul;28(7):745–9 (Eng. Abstr.) **(Jpn)**

[Clinical consequences of coronary angiography] Rasmussen K, et al. **Tidsskr Nor Laegeforen** 1984 Mar 10;104(7):514–7 (Eng. Abstr.) **(Nor)**

[Cardiometric and cineangiocardiographic assessment of left ventricular enlargement in patients with acquired heart defects] Putov NV, et al. **Vestn Rentgenol Radiol** 1984 Jan-Feb;(1):51–6 (Eng. Abstr.) **(Rus)**

[Functional status of the myocardium in patients with ischemic heart disease according to the results of coronaroventriculography] Ianovskii GV, et al. **Vrach Delo** 1984 May;(5):83–6 (Eng. Abstr.) **(Rus)**

[Clinical impact of the Bezold-Jarisch reflex in coronary arteriography] Gorodezky M, et al. **Arch Inst Cardiol Mex** 1984 Mar-Apr;54(2):173–5 (Eng. Abstr.) **(Spa)**

[Axial angiography in tetralogy of Fallot] Ovseyevitz J, et al. **Arch Inst Cardiol Mex** 1983 May-Jun;53(3):223–8 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Coronary angiography and its complications. The search for risk factors. Harris JM Jr. **Arch Intern Med** 1984 Feb; 144(2):337–41

Effects of contrast media used in angiocardiography on the mechanical performance and the relaxation of normal and ischaemic myocardium. Bonoron-Adele S, et al. **Eur Heart J** 1984 Feb;5(2):146–57

[The incidence of complications in selective coronary arteriography. A review of 1 000 consecutive examinations] Rasmussen SL, et al. **Ugeskr Laeger** 1984 Jan 9;146(2):104–6 (Eng. Abstr.) **(Dan)**

[Iatrogenic vascular injuries in childhood] Gutschi S, et al. **Zentralbl Chir** 1984;109(13):854–8 (Eng. Abstr.) **(Ger)**

[Acute renal insufficiency as a late complication of cardiac angiography: report of a case and review of the literature] Cajigas A, et al. **Bol Asoc Med PR** 1983 Oct;75(10):478–80 (Eng. Abstr.) **(Spa)**

[Complications attributable to hemodynamic studies with coronariography, with special reference to ventricular fibrillation] Lidón RM, et al. **Rev Esp Cardiol** 1984 Jul-Aug;37(4):240–3 (Eng. Abstr.) **(Spa)**

INSTRUMENTATION

Right heart pigtail catheter for selective angiocardiography. Kiel EA, et al. **Pediatr Cardiol** 1983 Jul-Sep;4(3):247–9

[Biotechnological characteristics of digital subtraction angiography. Technicare DR-960] Yoshino D. **Nippon Rinsho** 1983 Jul;41(7):1601–3 **(Jpn)**

METHODS

Non-ionic contrast media in cardioangiography in infants. A comparison of iohexol and metrizamide. Hellström M, et al. **Acta Radiol [Suppl] (Stockh)** 1983;366:126–33

Cardioangiography in man using iohexol and meglumine-Na diatrizoate. A comparison of hemodynamic and electrocardiographic effects. Higgins CB, et al. **Acta Radiol [Suppl] (Stockh)** 1983;366:111–4

Tolerability and usefulness of iohexol in cardioangiography. II. A double blind comparison with metrizoate. Levorstad K, et al. **Acta Radiol [Suppl] (Stockh)** 1983;366:101–10

Iohexol in cardioangiography. Survey and present state. Tylén U. **Acta Radiol [Suppl] (Stockh)** 1983;366:94–100

Comparative trial of iohexol 350, a non-ionic contrast medium, with diatrizoate (Urografin 370) in left ventriculography and coronary arteriography. Sullivan ID, et al. **Br Heart J** 1984 Jun;51(6):643–7

Digital subtraction angiography—a cardiologist's view. Barry WH. **Cardiovasc Intervent Radiol** 1983;6(4–6):263–4

Axially angled angiocardiography. Brandt PW. **Cardiovasc Intervent Radiol** 1984;7(3–4):166–9

Cardiac imaging with digital subtraction angiography. Mancini GB, et al. **Cardiovasc Intervent Radiol** 1983; 6(4–6):252–62

Present status of axially angled angiocardiography. Soto B, et al. **Cardiovasc Intervent Radiol** 1984;7(3–4):156–65

Single versus biplane right and left ventricular volumetry: a cast and clinical study. Formanek A, et al. **Cathet Cardiovasc Diagn** 1984;10(2):137–56

Digital chest radiography. Bogren HG. **Eur J Radiol** 1983 Aug;3(3):231–3

Exercise left ventriculography utilizing intravenous digital angiography. Goldberg HL, et al. **J Am Coll Cardiol** 1983 Dec;2(6):1092–8

Real-time digital angiocardiography using a temporal high-pass filter. Hardin CW, et al. **Radiology** 1984 May; 151(2):517–20

[Trial of iopamidol in pediatric angiocardiography] Bennet J. **Ann Radiol (Paris)** 1983 Dec;26(8 Pt 2):708–11 (Eng. Abstr.) **(Fre)**

[Use of iopamidol for angiocardiography in infants under 7 kilograms. Preliminary report apropos of 9 cases] Grumbach Y, et al. **Ann Radiol (Paris)** 1983 Dec;26(8 Pt 2):714–5 (Eng. Abstr.) **(Fre)**

[Reliability of digital subtraction angiocardiography for the evaluation of left ventricular function and physical stress] Spiller P, et al. **Z Kardiol** 1983 Nov;72(11):681–7 (Eng.

Abstr.) (Ger)
[Digital video subtraction angiography for coronary vessels] Nishimura G, et al. **Nippon Rinsho** 1983 Jul;41(7):1459–66 (Jpn)
[Angiocardiography, pulmonary arteriography and digital subtraction angiography] Matsuyama S.
Rinsho Hoshasen 1983 Oct;28(11 Suppl):1167–84 (Jpn)
[Possibilities of axial angiocardiography in the precise diagnosis of congenital heart defects] Petrisian IuS, et al. **Grudn Khir** 1984 May–Jun;(3):34–9 (Eng. Abstr.) (Rus)
[Axial cineangiocardiography in the diagnosis of congenital heart defects] Petrosian IuS, et al.
Vestn Rentgenol Radiol 1984 Jan–Feb;(1):56–60 (Eng. Abstr.) (Rus)
[Optimal projections in selective aortocoronary graft radiography] Esplugas E, et al. **Rev Esp Cardiol** 1984 Jul–Aug;37(4):236–9 (Eng. Abstr.) (Spa)

VETERINARY

Method of selective and non-selective angiocardiography for the horse. Carlsten J, et al. **Equine Vet J** 1984 Jan; 16(1):47–52
Nonselective and selective angiocardiography. Fox PR, et al. **Vet Clin North Am [Small Anim Pract]** 1983 May; 13(2):259–72

ANGIOGENESIS see **NEOVASCULARIZATION**

ANGIOGENESIS FACTOR see under **GROWTH SUBSTANCES**

ANGIOGRAPHY

Computed tomography and angiography in carcinoid liver metastases. Smevik B, et al.
Acta Radiol [Diagn] (Stockh) 1983;24(3):189–93
Serial pulmonary angiography in rats with pulmonary damage due to intravascular coagulation. Wegener T, et al. **Acta Radiol [Diagn] (Stockh)** 1983;24(6):449–57
Noise analysis of a digital radiography system. Arnold BA, et al. **AJR** 1984 Mar;142(3):609–13
Digital subtraction angiography in interventional radiology. Chang R, et al. **AJR** 1984 Feb;142(2):363–6
Angiographic contributions to the management of advanced cancer. Chuang VP. **AJR** 1984 Feb;142(2):385–8
Comparison of CT and angiography in assessing resectability of pancreatic carcinoma. Jafri SZ, et al. **AJR** 1984 Mar; 142(3):525–9
ECG-synchronized DSA exposure control: improved cervicothoracic image quality. Kelly WM, et al. **AJR** 1984 Oct;143(4):857–60
Digital subtraction angiography: principles and pitfalls of image improvement techniques. Levin DC, et al. **AJR** 1984 Sep;143(3):447–54
Angiography in gastrointestinal bleeding in children. Meyerovitz MF, et al. **AJR** 1984 Oct;143(4):837–40
Multiple mycotic pulmonary artery aneurysms secondary to intravenous drug abuse. SanDretto MA, et al. **AJR** 1984 Jan;142(1):89–90
Renal angioplasty: current status. Tegtmeyer CJ, et al.
AJR 1984 Jan;142(1):17–21 (27 ref.)
Angiographically visible intercoronary collateral circulation in the absence of obstructive coronary artery disease. Linsenmeyer GJ 3d, et al. **Am J Cardiol** 1984 Mar 15; 53(7):954–6
Pulmonary angiography. Application in a new spectrum of patients. Marsh JD, et al. **Am J Med** 1983 Nov;75(5):763–70
Radiological anatomy of the right gastroepiploic artery. Hannoun L, et al. **Anat Clin** 1984;5(4):265–71
Operative prebypass arteriography [letter] LeMaitre GD.
Ann Surg 1984 Jul;200(1):106
Emergency center arteriography in the evaluation of suspected peripheral vascular injuries. O'Gorman RB, et al. **Arch Surg** 1984 May;119(5):568–73
Angiography vs computed tomography in investigating abnormality of the inferior vena cava [letter] Rogol PR, et al. **Chest** 1983 Nov;84(5):649–50
The evaluation of partial anomalous pulmonary venous return with the use of digital subtraction angiography. Sider L, et al. **Chest** 1984 Jul;86(1):97–9
Experimental rickets. Roentgenographic, pathologic and microangiographic observations on bone. Wang YZ, et al. **Chin Med J [Engl]** 1984 Feb;97(2):111–8
Can the mode of death be predicted in patients with angiographically documented coronary artery disease? Puddu PE, et al. **Clin Cardiol** 1983 Aug;6(8):384–95
The prognosis of ischaemic heart disease. Significance of the sub-maximum ECG exercise test and coronary angiography. Fabián J, et al. **Cor Vasa** 1983;25(5):308–20
Intravenous digital subtraction angiography as used in a general hospital: a toy or a tool? Boomsma JH.
Diagn Imaging 1983;52(6):323–31
Value of angiography in diagnosis and therapy of acute upper gastrointestinal hemorrhage. Keller FS, et al.
Dig Dis Sci 1981 Jul;26(7 Suppl):78S–89S (28 ref.)
Contrast media in urography, angiography and computerized tomography.
Fortschr Geb Rontgenstr Nuklearmed Erganzungsband 1983; 118:1–173
Anaesthesia problems in angiography with special reference to modern contrast media. Wenz W, et al.
Fortschr Geb Rontgenstr Nuklearmed Erganzungsband 1983; 118:92–101 (48 ref.)
Angiography, intraarterial embolization, and regional chemotherapy of tumors. Karakousis CP.
Int Adv Surg Oncol 1984;7:113–40
Detection of pulmonary emboli in dogs using digital subtraction angiography. Chiles C, et al. **Invest Radiol** 1983 Nov–Dec;18(6):507–11
Angiography in the diagnosis and treatment of trauma. Saibil EA, et al. **J Can Assoc Radiol** 1983 Sep;34(3):218–27
A comparison of conventional and digital intravenous arteriography in the follow-up of femoro-crural bypass operations. Van de Pavoordt HD, et al.
J Cardiovasc Surg (Torino) 1983 Nov–Dec;24(6):641–5
Repeated subselective renal embolization following pyelolithotomy: angiographic salvage of a kidney. Gordon RL, et al. **J Urol** 1984 Feb;131(2):324–6
Digital subtraction angiography for the evaluation of persistent uterine trophoblastic disease. Oka M, et al.
Obstet Gynecol 1984 Mar;63(3 Suppl):66S–71S
Accuracy of angiographic quantification of peripheral atherosclerosis. Thiele BL, et al. **Prog Cardiovasc Dis** 1983 Nov–Dec;26(3):223–36 (72 ref.)
Digital subtraction angiography: remasking and integration techniques. Raymond C. **Radiography** 1984 Mar–Apr; 50(590):64–6
Digital subtraction angiography: first 900 cases. Rodgers H. **Radiography** 1984 Mar–Apr;50(590):67–70
Outpatient angiography and interventional radiology: safety and cost benefits. Adams PS Jr, et al. **Radiology** 1984 Apr; 151(1):81–2
Solid and papillary epithelial neoplasm of the pancreas. Radiographic, CT, sonographic, and angiographic features. Balthazar EJ, et al. **Radiology** 1984 Jan;150(1):39–40
Digital subtraction angiography in extremity trauma. Goodman PC, et al. **Radiology** 1984 Oct;153(1):61–4
Aggressive fibromatosis: evaluation by computed tomography and angiography. Hudson TM, et al.
Radiology 1984 Feb;150(2):495–501
Parathyroid aspiration directed by angiography: an alternative to venous sampling. Krudy AG, et al.
Radiology 1984 Jul;152(1):207–8
Middle sacral arteriography: diagnostic and therapeutic implications. Kudo S, et al. **Radiology** 1984 Apr;151(1):65–7
Angio-computed tomography and dynamic computed tomography in staging of renal cell carcinoma. Lang EK. **Radiology** 1984 Apr;151(1):149–55
Amaurosis fugax: the results of arteriography in 59 patients. Adams HP Jr, et al. **Stroke** 1983 Sep–Oct;14(5):742–4
111-Indium platelet imaging, Doppler spectral analysis and angiography compared in patients with transient cerebral ischaemia. Goldman M, et al. **Stroke** 1983 Sep–Oct; 14(5):752–6
The angiopathy of subarachnoid hemorrhage I. Role of vessel wall catecholamines. Yoshioka J, et al. **Stroke** 1984 Mar–Apr;15(2):288–94
Gastrointestinal bleeding. An angiographic perspective. Eckstein MR, et al. **Surg Clin North Am** 1984 Feb; 64(1):37–51 (37 ref.)
Dynamic computed tomography scanning with combined metrizamide and arterial bolus injection in arteriovenous malformation of the spinal cord. Guinto FC Jr, et al.
Surg Neurol 1984 Aug;22(2):181–5
Digital video subtraction angiography and duplex scanning in assessment of carotid artery disease: comparison with conventional angiography. Eikelboom BC, et al.
Surgery 1983 Nov;94(5):821–5
The use of digital subtraction angiography and computed tomography scanning in localization of parathyroid adenomas in secondary parathyroid operations: preliminary observations. Esselstyn CB Jr, et al. **Surgery** 1983 Dec; 94(6):869–72
Assessment of late patency of profundaplasty by arteriography. Hopkins NF, et al. **Surgery** 1983 Nov; 94(5):817–20
Angiographic patterns of involvement in renal and perirenal lymphoma. Jafri SZ, et al. **Urol Radiol** 1984;6(1):14–9
Angiographic appearance of the metacarpus, phalanges and foot of the donkey. Said AH, et al.
Zentralbl Veterinarmed [A] 1983 Dec;30(10):788–95
[Use of angiography in hemangioma of the maxillofacial region—clinical study of 70 cases] Zhou ZJ.
Chung Hua Kou Chiang Ko Tsa Chih 1983 Sep;18(3):129–32 (Chi)
[Benign angiographic picture in diseases of the bones and soft tissues. Comparison with thermographic findings] Chudáček Z. **Cesk Radiol** 1983 Nov;37(6):361–9 (Eng. Abstr.) (Cze)
[The angiographic picture of the retroperitoneal form of Castleman's disease] Chvojka J. **Cesk Radiol** 1984 Feb; 38(1):55–60 (Eng. Abstr.) (Cze)
[Value of computer tomography compared to angiography and echocardiography in the diagnosis of intracardiac thromboses] Perrenoud JJ, et al. **Arch Mal Coeur** 1983 Jun; 76(6):652–9 (Eng. Abstr.) (Fre)
[Clinical and angiographic follow-up of vascular injuries of the major arteries of the extremities] Wicky B, et al.
Chirurg 1984 Apr;55(4):244–8 (Eng. Abstr.) (Ger)
[Radiologic diagnosis of adrenal cyst] Fischer HJ, et al.
Dtsch Med Wochenschr 1983 Jul 29;108(30):1142–4 (Eng. Abstr.) (Ger)
[Polyarteritis nodosa. Visceral angiography ensures the diagnosis] Mundinger A, et al. **Dtsch Med Wochenschr** 1984 May 25;109(21):833–4 (Ger)
[Diagnostic possibilities of visceral angiography in pancreatic insulinomas] Kučinskij GA, et al. **Radiol Diagn (Berl)** 1983; 24(4):451–6 (Eng. Abstr.) (Ger)
[Indications, method and results of anesthesia in cardiovascular roentgen diagnosis] Schiffmann R.
Radiol Diagn (Berl) 1984;25(2):171–9 (Eng. Abstr.) (Ger)
[Circulatory and adverse effects of nonionic contrast media in arteriography. Results of a double-blind study] Deininger HK, et al. **Radiologe** 1983 Jul;23(7):327–33 (Eng. Abstr.) (Ger)
[Arteriographic diagnosis of erectile impotence] Bähren W, et al. **ROFO** 1984 Apr;140(4):447–52 (Eng. Abstr.) (Ger)
[Diagnosis of posttraumatic ruptures of the thoracic aorta in the full chest x-ray and in angiography] Bohndorf K, et al. **ROFO** 1984 May;140(5):515–9 (Eng. Abstr.) (Ger)
[Value of sonography, computed tomography and angiography in adrenal diagnosis] Georgi M, et al.
ROFO 1984 Apr;140(4):373–9 (Eng. Abstr.) (Ger)
[Accuracy in the diagnosis of renal masses. Computed tomography, sonography, urography, angiography] Lackner K, et al. **ROFO** 1984 Apr;140(4):363–72 (Eng. Abstr.) (Ger)
[Angiography of lower limb ischemic necrosis] Suren H.
ROFO 1984 Jan;140(1):106–7 (Ger)
[Value of angiography in hemangiopericytomas] Kónya A, et al. **Rontgenblatter** 1983 Oct;36(10):328–31 (Eng. Abstr.) (Ger)
[Abnormal renal angiograms caused by injection of contrast medium] Pokorny L, et al. **Rontgenblatter** 1984 May; 37(5):187–91 (Eng. Abstr.) (Ger)
[Indication-related radiodiagnosis of the vascular system] Haertel M. **Ther Umsch** 1984 Mar;41(3):204–8 (Eng. Abstr.) (Ger)
[Initial results of digital subtraction angiography in the diagnosis of injuries] Starck E, et al. **Unfallchirurgie** 1983 Aug;9(4):187–92 (Eng. Abstr.) (Ger)
[Value of angiography and echotomography in injuries of the spleen] Ugolotti U, et al.
Acta Biomed Ateneo Parmense 1983;54(4):301–10 (Eng. Abstr.) (Ita)
[Angiographic diagnosis of mitral valve prolapse: errors and limitations] Chiddo A, et al. **G Ital Cardiol** 1983 Nov; 13(11):283–90 (Eng. Abstr.) (Ita)
[Diagnosis of arteriopathies of the lower limbs (A comparison of the Doppler flowmeter and arteriography)] Barone G, et al. **Minerva Cardioangiol** 1983 Jul–Aug;31(7–8):391–9 (Eng. Abstr.) (Ita)
[Doppler ultrasonography of the lower limbs and arteriography. Correlation of the results at rest and after exertion] Carmellini M, et al. **Minerva Cardioangiol** 1983 May;31(5):299–303 (Eng. Abstr.) (Ita)
[Usefulness of Doppler ultrasonography in the screening of patients undergoing angiographic examination prior to surgical treatment] Musso L, et al. **Minerva Chir** 1984 Mar 31;39(6):367–81 (Eng. Abstr.) (Ita)
[Indications and limitations of digital arteriography] Pietri P, et al. **Minerva Chir** 1983 Oct 15;38(19):1439–42 (Ita)
[Angiographic evaluation of the patency of vascular microanastomoses] Riccardelli F, et al. **Minerva Chir** 1983 Aug 15–31;38(15–16):1197–200 (Eng. Abstr.) (Ita)
[Vascularized renal neoplasms: does the angiographic study enable the differential diagnosis? Cluster analysis of 65 cases] Colli R, et al. **Radiol Med (Torino)** 1983 Jul–Aug; 69(7–8):541–7 (Eng. Abstr.) (Ita)
[Enterorrhagia from leiomyoma of the small intestine: angiographic diagnosis] Lovaria A, et al.
Radiol Med (Torino) 1983 Sep;69(9):677–8 (Ita)
[Angiography in the evaluation of injuries of the peripheral arteries] Passariello R, et al. **Radiol Med (Torino)** 1983 Jun; 69(6):426–32 (Eng. Abstr.) (Ita)
[Role of angiography in the diagnosis of pancreatic cancer] Shimaguchi S, et al. **Gan No Rinsho** 1983 Aug; 29(10):1111–7 (Eng. Abstr.) (Jpn)
[Angiographic evaluation of lymph node metastasis in gastric cancer] Nakayama T. **Nippon Geka Gakkai Zasshi** 1983 Jan;84(1):51–62 (Eng. Abstr.) (Jpn)
[Clinical cardiovascular experiences with iopamidol: a new non-ionic contrast medium] Minami K, et al.
Nippon Geka Hokan 1983 Nov 1;52(6):854–63 (Eng. Abstr.) (Jpn)
[Balloon occlusion hepatic angiography for visualization of liver and gallbladder cancers] Onohara S, et al.
Nippon Igaku Hoshasen Gakkai Zasshi 1983 Jul; 43(7):905–12 (Eng. Abstr.) (Jpn)
[Differential diagnosis of thickening of the gallbladder: angiographic approach to the differentiation between cancer and chronic cholecystitis] Sako M, et al.
Nippon Igaku Hoshasen Gakkai Zasshi 1984 Jan 25; 44(1):1–10 (Eng. Abstr.) (Jpn)
[Clinical experience with Compressar, an external hemo-clamp] Kodera K, et al. **Rinsho Hoshasen** 1983 Jul; 28(7):819–20 (Eng. Abstr.) (Jpn)
[Angiography with iohexol—a non-ionic contrast medium] Kumazaki T, et al. **Rinsho Hoshasen** 1984 Apr;29(4):471–5 (Eng. Abstr.) (Jpn)
[Angiographic diagnosis of bilateral kidney cortex necrosis] Mabuchi H, et al. **Rinsho Hoshasen** 1981 Dec; 26(13):1417–20 (Eng. Abstr.) (Jpn)
[Angiographic diagnosis of Wilms' tumor, including one adult type tumor] Matsunaga N, et al. **Rinsho Hoshasen** 1981

Dec;26(13):1385–9 (Eng. Abstr.) (Jpn)
[Diagnosis of thyroid cancer with angiography] Morita Y, et al. **Rinsho Hoshasen** 1980 Dec;25(13):1369–75 (Eng. Abstr.) (Jpn)
[Imaging diagnosis of islet cell tumors] Onodera H, et al. **Rinsho Hoshasen** 1984 Mar;29(3):367–71 (Eng. Abstr.) (Jpn)
[Angiographic findings in 28 cases of pancreatic cancer] Onodera H, et al. **Rinsho Hoshasen** 1983 Jul;28(7):767–71 (Eng. Abstr.) (Jpn)
[Experience of iopamidol in peripheral arteriography] Tajima H, et al. **Rinsho Hoshasen** 1983 Dec;28(13):1557–61 (Eng. Abstr.) (Jpn)
[Case of diabetic gangrene comparison among angiography, RI blood flow imaging and pathological findings] Tanaka J, et al. **Rinsho Hoshasen** 1983 Aug;28(8):911–4 (Eng. Abstr.) (Jpn)
[Angiography of surgically created arteriovenous fistulas for hemodialysis] Szmidt A. **Pol Przegl Radiol (Warszawa)** 1983 Jul–Aug;47(4):325–30 (Eng. Abstr.) (Pol)
[Semiquantitative correlations between angiopneumography and vascular scintigraphy in various pulmonary diseases] Anastasatu C, et al. **Rev Ig [Pneumoftiziol]** 1983 Oct–Dec; 32(4):311–22 (Eng. Abstr.) (Rum)
[Degree of irradiation exposure of personnel in various types of angiographic examinations and measures for decreasing radiation doses] Zol'nikova NI, et al. **Vestn Rentgenol Radiol** 1983 Jul–Aug;(4):70–2 (Eng. Abstr.) (Rus)
[Blood vessels of the abdomen in computerized tomography] Stern–Padovan R, et al. **Lijec Vjesn** 1984 Apr;106(4):142–7 (Eng. Abstr.) (Scr)

ADVERSE EFFECTS

Perforation of the superior vena cava: a complication of digital angiography in Ehlers–Danlos syndrome. Driscoll SH, et al. **AJR** 1984 May;142(5):1021–2
Pelvic hemorrhage after percutaneous femoral angiography. Kaufman JL. **AJR** 1984 Aug;143(2):335–6
Multiple cholesterol emboli syndrome after angiography [letter] Rosansky SJ. **AJR** 1984 Sep;143(3):683
Coronary spasm provoked by angiography. Dodek A, et al. **Am Heart J** 1984 Apr;107(4):781–4
Coronary angiography: safety in numbers? [editorial] Fisher ML. **Am J Cardiol** 1983 Oct 1;52(7):898–901
Multiple cholesterol emboli syndrome after angiography. Rosansky SJ, et al. **Am J Med Sci** 1984 Jul–Aug;288(1):45–8
Vascular trauma secondary to diagnostic and therapeutic procedures: 1974 through 1982. A comparative review. Youkey JR, et al. **Am J Surg** 1983 Dec;146(6):788–91
Efficacy and safety of digital subtraction angiography with special reference to contrast agents. Seyferth W, et al. **Cardiovasc Intervent Radiol** 1983;6(4–6):265–70
Effects of angiographic contrast medium on left ventricular function: evaluation by contrast angiography and radionuclide angiography. Mattleman S, et al. **Cathet Cardiovasc Diagn** 1984;10(2):129–36
Catheter separation during coronary angiography. Reddy CV, et al. **Cathet Cardiovasc Diagn** 1983;9(4):417–9
Pulmonary embolism as a complication of transfemoral arteriography—incidence, symptoms, and prevention. Yasuno M, et al. **Jpn Circ J** 1984 May;48(5):439–44
Judged frequency of complications after invasive diagnostic procedures. Systematic biases of a physician population. Manu P, et al. **Med Care** 1984 Apr;22(4):366–70
[Complications of angiography, punctures, and catheterizations in the framework of iatrogenic arteriopathies] Cormier JM, et al. **Ann Med Interne (Paris)** 1983;134(5):380–4 (Eng. Abstr.) (Fre)
[Ischemic accidents of the lower limbs with preservation of the peripheral pulse after arteriography (3 cases)] Grellet J, et al. **J Radiol** 1984 Jan;65(1):17–23 (Eng. Abstr.) (Fre)
[Iatrogenic vascular injuries in childhood] Gutschi S, et al. **Zentralbl Chir** 1984;109(13):854–8 (Eng. Abstr.) (Ger)
[Spontaneous intravascular thrombocyte aggregation in angiographic studies] Tsyb AF, et al. **Vestn Rentgenol Radiol** 1983 Jul–Aug;(4):62–4 (Eng. Abstr.) (Rus)

HISTORY

The Seldinger technique. Reprint from Acta Radiologica 1953. **AJR** 1984 Jan;142(1):5–7
Testimonials to Seldinger. **AJR** 1984 Jan;142(1):8–11
Sven-Ivar Seldinger: biography and bibliography. **AJR** 1984 Jan;142(1):4
A tribute to Sven-Ivar Seldinger. Doby T. **AJR** 1984 Jan; 142(1):1–4

INSTRUMENTATION

Compensating collimator for digital subtraction angiography. Green JD. **AJR** 1984 Oct;143(4):899
Specifications and features for the next generation intravenous angiography systems at the University of Arizona. Fisher HD 3d, et al. **Ann Radiol (Paris)** 1983 Nov; 26(7):543–7
Ideal configuration for intravenous digital subtraction angiography machine. Ovitt TW, et al. **Cardiovasc Intervent Radiol** 1983;6(4–6):300–2
Effectiveness of antiscatter grids in digital subtraction angiography. Kruger RA, et al. **Invest Radiol** 1983 May–Jun;18(3):293–7
A simple technique to straighten the curved tip of a 'J' guidewire. Tisnado J, et al. **J Can Assoc Radiol** 1984 Mar; 35(1):56–7
[Measurement of image-producing properties of DSA equipment] Busch HP, et al. **ROFO** 1984 Jul;141(1):92–6 (Eng. Abstr.) (Ger)
[Digital radiography. Equipment technology and initial clinical results of digital angiography with an electronic universal work station] Rath M, et al. **ROFO** 1984 Mar; 140(3):243–50 (Eng. Abstr.) (Ger)
[Improvement of image quality in digital subtraction angiography using a variable aperture] Herter M, et al. **Rontgenblatter** 1984 Jul;37(7):245–8 (Eng. Abstr.) (Ger)
[Development of a simple digital subtraction angiography system] Ando Y, et al. **Rinsho Hoshasen** 1983 Sep; 28(9):1017–20 (Eng. Abstr.) (Jpn)
[Scanning electron microscopy of catheters and guide wires used in angiography] Nordby A, et al. **Tidsskr Nor Laegeforen** 1983 Sep 30;103(27):1879–81 (Eng. Abstr.) (Nor)
[Automatic surgical angiography] Lytkin MI, et al. **Vestn Khir** 1983 Oct;131(10):133–4 (Rus)

METHODS

Digital subtraction angiography in the preoperative evaluation of patients with a renal tumor. Prager P, et al. **Acta Radiol [Diagn] (Stockh)** 1984;25(2):101–5
Digital venous subtraction angiography of pulmonary embolism in dogs. Witte G, et al. **Acta Radiol [Diagn] (Stockh)** 1983;24(2):101–5
K-edge digital subtraction angiography with synchrotron X-rays. Hughes EB, et al. **Acta Radiol [Suppl] (Stockh)** 1983;365:43–9
Iohexol in lower extremity, renal and visceral angiography. Survey and present state. Kolbenstvedt A. **Acta Radiol [Suppl] (Stockh)** 1983;366:153–7
Synchrotron radiation for examination of the circulatory system. Kulipanov GN, et al. **Acta Radiol [Suppl] (Stockh)** 1983;365:50–6
Digital subtraction angiography. Comparison of meglumine–Na diatrizoate with iohexol. Sackett JF, et al. **Acta Radiol [Suppl] (Stockh)** 1983;366:81–4
Comparison of iohexol with meglumine–Na diatrizoate for intravenous digital subtraction angiography. Seeger JF, et al. **Acta Radiol [Suppl] (Stockh)** 1983;366:85–8
Comparison of iohexol and meglumine–Na–Ca metrizoate in visceral angiography. Skjennald A, et al. **Acta Radiol [Suppl] (Stockh)** 1983;366:158–63
Adult peripheral angiography. Results from four North American randomized clinical trials of ionic media versus iohexol. Wolf GL. **Acta Radiol [Suppl] (Stockh)** 1983; 366:166–70
Digital subtraction arteriography for spinal arteriovenous malformation. Levy JM, et al. **AJNR** 1983 Nov–Dec; 4(6):1217–8
Real-time digital subtraction angiography for therapeutic neuroradiologic procedures. Sherry RG, et al. **AJNR** 1983 Nov–Dec;4(6):1171–3
Digital subtraction angiography with an Isocon camera system: clinical applications. Barbaric ZL, et al. **AJR** 1984 Jan;142(1):143–7
Real-time fluoroscopic digital subtraction. Braun IF, et al. **AJR** 1984 May;142(5):1050–1
Angiography of pulmonary emboli: digital studies and balloon-occlusion cineangiography. Ferris EJ, et al. **AJR** 1984 Feb;142(2):369–73
The importance of preheating contrast media. Grollman JH Jr. **AJR** 1984 Feb;142(2):391–2
Radiation dose implications of digital angiographic systems. Hynes DM, et al. **AJR** 1984 Aug;143(2):307–12
Detection of mediastinal parathyroid glands by nonselective digital arteriography. Krudy AG, et al. **AJR** 1984 Apr; 142(4):693–5
Contrast media hyperemia and Doppler measurements in peripheral arterial disease. Lipchik EO, et al. **AJR** 1984 Jan;142(1):133–5
Comparison of superior vena cava and antecubital vein as DSA injection site. Popky GL, et al. **AJR** 1984 Aug; 143(2):317–9
Application of digital techniques to selective coronary arteriography: use of myocardial contrast appearance time to measure coronary flow reserve. Vogel R, et al. **Am Heart J** 1984 Jan;107(1):153–64
Evaluation of intracardiac masses by digital subtraction angiography. Yiannikas J, et al. **Am Heart J** 1984 Sep;108(3 Pt 1):600–3
Intravenous digital subtraction angiography to assess aneurysms of the ventricular and atrial septum pre- and postoperatively. Yiannikas J, et al. **Am J Cardiol** 1984 Jan 15;53(2):383–5
Digital subtraction angiography in the diagnosis of retinal vascular disease. Campo RV, et al. **Am J Ophthalmol** 1983 Nov;96(5):632–40
Intravenous digital subtraction arteriography in the evaluation of peripheral vascular disease. Crummy AB. **Ann Radiol (Paris)** 1983 Nov;26(7):581–4
Integration methods in post-process image manipulation in digital fluoroscopy. Enzmann DR, et al. **Ann Radiol (Paris)** 1983 Nov;26(7):557–63
Application of digital vascular imaging in interventional radiology. Ludwig JW, et al. **Ann Radiol (Paris)** 1983 Nov; 26(7):585–8
Recent advances in digital radiography. Mistretta CA, et al. **Ann Radiol (Paris)** 1983 Nov;26(7):537–42
Evaluation of pulmonary vascularity in children as seen on digital angiography. Pariente D, et al. **Ann Radiol (Paris)** 1984 Feb–Mar;27(2–3):166–72 (Eng, Fre)
Radiation exposure of the patient in conventional and digital intravenous angiography. Passariello R, et al. **Ann Radiol (Paris)** 1983 Nov;26(7):548–50
The advantages of right atrial injections for intravenous digital subtraction angiography. Pond GD, et al. **Ann Radiol (Paris)** 1983 Nov;26(7):533–6
The use of operative prebypass arteriography and Doppler ultrasound recordings to select patients for extended femoro-distal bypass. Ricco JB, et al. **Ann Surg** 1983 Nov; 198(5):646–53
Digital intraarterial subtraction technique of the extracerebral vascular system. Baert AL, et al. **Cardiovasc Intervent Radiol** 1983;6(4–6):197–200
Digital angiography in the diagnosis of congenital heart disease. Bogren HG, et al. **Cardiovasc Intervent Radiol** 1984; 7(3–4):180–91
Intravenous digital subtraction angiography of the thoracic and abdominal aorta. Boxt LM. **Cardiovasc Intervent Radiol** 1983;6(4–6):205–13
Use of digitized functional angiography to evaluate arterial blood flow. Bürsch JH. **Cardiovasc Intervent Radiol** 1983; 6(4–6):303–10
Carotid-vertebral digital subtraction angiography—a neurologist's view. Dawson DM. **Cardiovasc Intervent Radiol** 1983;6(4–6):201–2
Clinical application of hybrid subtraction digital angiography: preliminary results. Guthaner DF, et al. **Cardiovasc Intervent Radiol** 1983;6(4–6):290–4
Renal digital subtraction angiography. Harrington DP. **Cardiovasc Intervent Radiol** 1983;6(4–6):214–23
Digital subtraction angiography: a special issue. Harrington DP. **Cardiovasc Intervent Radiol** 1983;6(4–6):171–2
Current experience with digital subtraction angiography in the community medical center. Hessel SJ, et al. **Cardiovasc Intervent Radiol** 1983;6(4–6):280–9
Digital subtraction angiography in renal transplant recipients. Irving JD, et al. **Cardiovasc Intervent Radiol** 1983; 6(4–6):224–30
Intraarterial digital subtraction angiography: a comparative view. Kaufman SL, et al. **Cardiovasc Intervent Radiol** 1983; 6(4–6):271–9
Pulmonary digital subtraction angiography. Kollath J, et al. **Cardiovasc Intervent Radiol** 1983;6(4–6):233–38
Image data acquisition, processing, storage and display. Kruger RA. **Cardiovasc Intervent Radiol** 1983;6(4–6):183–6
The utility of digital subtraction arteriography in peripheral vascular disease. Kubal WS, et al. **Cardiovasc Intervent Radiol** 1983;6(4–6):241–9
Carotid-vertebral digital subtraction angiography—a surgeon's view. Strandness DE Jr. **Cardiovasc Intervent Radiol** 1983;6(4–6):203–4
Renal digital subtraction angiography—a nephrologist's view. A sensitive but imperfect screening procedure for renovascular hypertension. Tifft CP. **Cardiovasc Intervent Radiol** 1983;6(4–6):231–2
Electronic imaging fundamentals: basic theory. Vizy KN. **Cardiovasc Intervent Radiol** 1983;6(4–6):174–82
An overview of digital radiography systems. Vizy KN. **Cardiovasc Intervent Radiol** 1983;6(4–6):296–9
Digital subtraction angiography in the evaluation of intracranial and extracranial vascular disease. Weinstein MA, et al. **Cardiovasc Intervent Radiol** 1983;6(4–6):187–96
Digital subtraction angiography in peripheral vascular disease—a surgeon's view. Whittemore AD. **Cardiovasc Intervent Radiol** 1983;6(4–6):250–1
Selective coronary arteriography in infants and children. Takahashi M, et al. **Circulation** 1983 Nov;68(5):1021–8
Digital subtraction angiography of the chest. Feldman L. **Clin Chest Med** 1984 Jun;5(2):313–28
A graphic computerized system for reporting and analysis of coronary angiograms. Sapoznikov D, et al. **Comput Biomed Res** 1983 Aug;16(4):334–9
Outpatient digital angiography. Freedman GS, et al. **Conn Med** 1984 Feb;48(2):77–81
Place of intravenous arteriography with non-numerized processing in vascular pathology and surgery. Results of 424 investigations. Alison D, et al. **Eur J Radiol** 1984 Feb; 4(1):28–33
Fibromuscular dysplasia, a pitfall in intravenous digital subtraction angiography. Busch HP, et al. **Eur J Radiol** 1984 Feb;4(1):42–3
Intra-arterial digital angiography of the liver. Preliminary results. Dalla Palma L, et al. **Eur J Radiol** 1983 Aug; 3(3):202–7
The effects of angiotensin on the diagnostics and haemodynamics in renal angiography. Göthlin JH, et al. **Eur J Radiol** 1983 Nov;3(4):328–30
Digital vascular imaging in extra- and intracranial artery disease and of abdominal arteries. Ludwig JW, et al. **Eur J Radiol** 1983 Aug;3 Suppl 1:251–6
Digital subtraction angiography in the diagnosis of arterial complications after renal transplantation. Rath M, et al. **Eur J Radiol** 1984 Feb;4(1):34–7
Digital subtraction angiography in postoperative evaluation

of peripheral vascular disease. Stacul F, et al. **Eur J Radiol** 1984 Feb;4(1):38–41

Contrast media in intravenous digital subtraction angiography (initial experience). Seyferth W, et al. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1983; 118:125–8

AUR Memorial Award. Determinants of contrast enhancement for intravenous digital subtraction angiography. Burbank FH. **Invest Radiol** 1983 Jul–Aug; 18(4):308–16

Experimental intravenous digital subtraction angiography (DSA) of orbital and choroidal circulation: preliminary study. Fryczkowski AW, et al. **Invest Radiol** 1983 Nov–Dec;18(6):512–6

Preoperative angiography of the superior mesenteric and portal vein with prostaglandin F2 alpha in portal hypertension. Glück EV, et al. **Invest Radiol** 1984 Jan–Feb; 19(1):65–7

An experimental evaluation of central vs. peripheral injection for intravenous digital subtraction angiography (IV–DSA). Rubin DL, et al. **Invest Radiol** 1984 Jan–Feb;19(1):30–5

Effect of volume and rate of contrast medium injection on intravenous digital subtraction angiographic contrast medium curves. Burbank FH, et al. **J Am Coll Cardiol** 1984 Aug;4(2):308–15

Intravenous digital subtraction angiography in the assessment of patients with left to right shunts before and after surgical correction. Yiannikas J, et al. **J Am Coll Cardiol** 1984 Jun; 3(6):1507–14

Digital intravenous angiography system: a description. Martens G. **J Belge Radiol** 1983;66(4):281–6

The use of contrast media in digital subtraction angiography. Roux E, et al. **J Belge Radiol** 1983;66(4):297–300

Digital subtraction angiography in the diagnostic evaluation of a sellar region tumor. Stadnik T, et al. **J Belge Radiol** 1983;66(4):305–7

Digital subtraction arteriography (DSA) in re–evaluation of angioplasties. Campbell DR, et al. **J Can Assoc Radiol** 1983 Dec;34(4):258–60

Digital subtraction angiography [letter] Mattern RF, et al. **J Med Soc NJ** 1983 Nov;80(11):969

Diagnosis of aortic arch syndrome by digital subtraction angiography [letter] Baird R, et al. **J Rheumatol** 1984 Jun; 11(3):403–4

Operative arteriography: an indicator for infrainguinal bypass. Esato K, et al. **Jpn J Surg** 1983 Nov;13(6):502–5

Arteriography of hepatic masses. Pereiras R Jr. **Lab Res Methods Biol Med** 1983;7:369–89 (50 ref.)

The accuracy and limitations of intravenous digital subtraction angiography in the evaluation of atherosclerotic cerebrovascular disease: angiographic and surgical correlation. Earnest F, et al. **Mayo Clin Proc** 1983 Nov; 58(11):735–46

Digital subtraction angiography: principles, techniques, and applications. Chilcote WA. **Med Instrum** 1983 Nov–Dec; 17(6):428–30

Intravenous digital subtraction angiography. **Med Lett Drugs Ther** 1983 Nov 25;25(649):107–8

Blood flow measurement using digital angiography and parametric imaging. Bateman WA, et al. **Med Phys** 1984 Mar–Apr;11(2):153–7

A photodiode array x–ray imaging system for digital angiography. Cunningham IA, et al. **Med Phys** 1984 May–Jun;11(3):303–10

Noise reduction methods for hybrid subtraction. Nishimura DG, et al. **Med Phys** 1984 May–Jun;11(3):259–65

Selective iodine imaging using lanthanum K fluorescence. Rutt BK, et al. **Med Phys** 1983 Nov–Dec;10(6):801–8

Digital subtraction angiography in head and neck radiology. Carmody RF, et al. **Neuroradiology** 1984;26(4):261–6

The role of digital subtraction angiography in diagnosis of skull–base lesions. Kinney SE, et al. **Otolaryngol Head Neck Surg** 1984 Apr;92(2):151–5

Noninvasive vascular diagnostic testing: techniques and clinical applications. Yao JS, et al. **Prog Cardiovasc Dis** 1984 May–Jun;26(6):459–94 (220 ref.)

Digital imaging of the kidney. Hillman BJ. **Radiol Clin North Am** 1984 Jun;22(2):341–64 (43 ref.)

Optimizing work–up of adult hypertensive patients for renal artery stenosis. Observations about hypertensive urography, digital subtraction arteriography, and patient selection. Thornbury JR, et al. **Radiol Clin North Am** 1984 Jun;22(2):333–9 (19 ref.)

Digital vascular imaging: two years of clinical experience. Malott JC, et al. **Radiol Technol** 1983 Nov–Dec;55(2):633–9

Digital angiography. Nelson JA, et al. **Radiologe** 1984 Apr; 24(4):149–54 (20 ref.)

Digital subtraction angiography: fundamental noise characteristics. Balter S, et al. **Radiology** 1984 Jul; 152(1):195–8

Transaxillary abdominal angiography. Use of the sidewinder–pigtail catheter. Fröhlich H. **Radiology** 1984 Jan;150(1):265

Digital nephropyelography following intravenous renal digital subtraction angiography. Hillman BJ, et al. **Radiology** 1983 Nov;149(2):405–10

EKG–gated digital subtraction angiography in the detection of pulmonary emboli. Hirji M, et al. **Radiology** 1984 Jul; 152(1):19–22

Intraarterial digital subtraction angiography in diagnostic arteriography. Kaufman SL, et al. **Radiology** 1984 May; 151(2):323–7

Tomosynthesis applied to digital subtraction angiography. Kruger RA, et al. **Radiology** 1984 Sep;152(3):805–8

Optimal injection technique for intravenous digital subtraction angiography. Animal and clinical studies of right atrial injection using small volumes (25 ml) at a high rate (35 ml/sec). Saddekni S, et al. **Radiology** 1984 Mar; 150(3):655–9

A subtraction technique in conventional angiography. Schatz SL, et al. **Radiology** 1984 May;151(2):531

The management of clotted angiographic catheters. Vinson AM, et al. **Radiology** 1984 Jul;152(1):229

Vasoconstrictive effects of prostaglandin F2 alpha angiography on colonic lesions. Yuasa Y, et al. **Radiology** 1984 May;151(2):305–9

Digital vascular imaging in children. A preliminary report. Laurin S, et al. **ROFO** 1984 Mar;140(3):259–65

Arteriography with simultaneous gastric distention to detect insulin–secreting tumors of the pancreas. Aldrete JS, et al. **South Med J** 1983 Dec;76(12):1524–9

Evaluation of parathyroid adenomas by intravenous digital subtraction angiography. Kalmar JA, et al. **South Med J** 1984 May;77(5):603–6

Digital subtraction angiography. Johnson CM, et al. **Surg Clin North Am** 1984 Feb;64(1):151–71 (35 ref.)

[Digital subtraction angiography in screening for renovascular hypertension: a comparative study of 100 patients] de Schepper A, et al. **J Belge Radiol** 1983; 66(4):271–9 (Eng. Abstr.) (Dut)

[I.V. digital subtraction angiography in percutaneous transluminal angioplasty of arterial stenosis in a transplanted kidney] De Schepper A, et al. **J Belge Radiol** 1983;66(4):301–4 (Eng. Abstr.) (Dut)

[The reliability of digital subtraction angiography for the demonstration of carotid stenosis] de Vries AR, et al. **Ned Tijdschr Geneeskd** 1984 Jan 28;128(4):148–50 (Eng. Abstr.) (Dut)

[Atherosclerosis of the carotid arteries: catheter angiography is not yet obsolete] van Gijn J. **Ned Tijdschr Geneeskd** 1984 Jan 28;128(4):171–2 (Dut)

[Should patients with aortofemoral surgery be monitored? The value of digital angiography using the venous approach] Bensimon JL, et al. **Acta Belg Med Phys** 1983 Jul–Sep;6(3):121–5 (Fre)

[Experimentation with iopamidol for digestive arteriography] Bellet M, et al. **Ann Radiol (Paris)** 1983 Dec;26(8 Pt 2):722–5 (Eng. Abstr.) (Fre)

[Iopamidol in aortography and selective arteriography. Apropos of 20 cases] Bruneton JN, et al. **Ann Radiol (Paris)** 1983 Dec;26(8 Pt 2):716–7 (Eng. Abstr.) (Fre)

[Angiography by the arterial route of arteriovenous fistula in hemodialysis patients] Dana A, et al. **Ann Radiol (Paris)** 1983 Jun–Jul;26(5):359–64 (Eng. Abstr.) (Fre)

[Iopamidol in arteriography of the lower limbs. Apropos of 20 cases] Dupuy JP. **Ann Radiol (Paris)** 1983 Dec;26(8 Pt 2):740–3 (Eng. Abstr.) (Fre)

[Equalization of densities in digital angiography] Ecoiffier J, et al. **Ann Radiol (Paris)** 1983 Apr–May;26(4):309 (Eng. Abstr.) (Fre)

[Evaluation of vascular surgery by subtraction angiography. Study of 127 patients] Frija G, et al. **Ann Radiol (Paris)** 1983 Nov;26(7):589–93 (Eng. Abstr.) (Fre)

[Value of a new opacifying agent in peripheral arteriography] Martin–Bouyer Y, et al. **Ann Radiol (Paris)** 1983 Dec;26(8 Pt 2):737–9 (Eng. Abstr.) (Fre)

[A new contrast agent in arteriography of the legs] Raynaud A, et al. **Ann Radiol (Paris)** 1983 Dec;26(8 Pt 2):744–5 (Eng. Abstr.) (Fre)

[Delayed–time processing of angiographic images. Value and perspectives] Thiesse B, et al. **Ann Radiol (Paris)** 1983 Nov; 26(7):551–5 (Eng. Abstr.) (Fre)

[LVFUN: a program for the analysis and storage of ventriculographic and hemodynamic data] Van Eyll C, et al. **Ann Radiol (Paris)** 1983 Nov;26(7):564–8 (Eng. Abstr.) (Fre)

[Iopamidol in intravenous angiography] Viallet P, et al. **Ann Radiol (Paris)** 1983 Dec;26(8 Pt 2):751–2 (Eng. Abstr.) (Fre)

[Aorto–arteriography of the lower limbs using a weakly–hyperosmolar contrast medium with and without general anesthesia] Delcour C, et al. **J Belge Radiol** 1983; 66(5):379–81 (Fre)

[Injection technics in digital angiography] Delcour C, et al. **J Belge Radiol** 1983;66(4):265–70 (Eng. Abstr.) (Fre)

[Digital subtraction angiography (D.S.A.). Current clinical applications] Magotteaux P, et al. **J Belge Radiol** 1983; 66(3):195–206 (Eng. Abstr.) (Fre)

[Value of digital angiography in the follow–up of vascular reconstructive surgery] Magotteaux P, et al. **J Belge Radiol** 1983;66(4):259–64 (Eng. Abstr.) (Fre)

[Control of aortocoronary graft patency by digital angiography. Reliability study] Magotteaux P, et al. **J Belge Radiol** 1983;66(4):253–8 (Eng. Abstr.) (Fre)

[Digital angiography in diseases of the abdominal organs: preliminary study] Trotteur G, et al. **J Belge Radiol** 1983; 66(4):287–96 (Eng. Abstr.) (Fre)

[Advantages and current limitations of numeric angiography] Bismuth V, et al. **J Mal Vasc** 1984;9(1):57–8 (Eng. Abstr.) (Fre)

[Current applications of numeric angiography in the study of cervico–cerebral vessels, the aorta, pulmonary vessels and following vascular surgery] Frija G, et al. **J Mal Vasc** 1984;9(1):46–50 (Eng. Abstr.) (Fre)

[Numeric angiography: theoretical basis and practical realization] Gaux JC, et al. **J Mal Vasc** 1984;9(1):43–5 (Eng. Abstr.) (Fre)

[Other applications of numeric angiography] Gaux JC, et al. **J Mal Vasc** 1984;9(1):51–6 (Eng. Abstr.) (Fre)

[Digital angiography. 1st evaluation of 1000 tests] Bismuth V, et al. **Presse Med** 1984 Mar 31;13(14):875–80 (Eng. Abstr.) (Fre)

[Contribution of radiology in the examination of the vessels of the neck] Taelman D, et al. **Rev Med Brux** 1984 Feb; 5(2):65–6 (Eng. Abstr.) (Fre)

[Vascular exploration using digital angiography] Magotteaux P, et al. **Rev Med Liege** 1983 Dec 1;38(23):889–96 (Fre)

[Digital subtraction angiography in ambulatory practice. Preliminary report] Schinas P, et al. **Rev Med Suisse Romande** 1983 Nov;103(11):977–85 (Fre)

[Evaluation of vascular surgery with digital subtraction angiography. A study of 127 patients] Frija G, et al. **Sem Hop Paris** 1984 Mar 29;60(14):973–7 (Eng. Abstr.) (Fre)

[Digital radiology] Robillard P, et al. **Union Med Can** 1983 Oct;112(10):930–4 (Eng. Abstr.) (Fre)

[Significance of digital subtraction angiography (DSA) in the evaluation of reconstructive vascular interventions] Schuler M. **Computertomographie** 1983 Dec;3(4):179–87 (Eng. Abstr.) (Ger)

[Tumor of the glomus caroticum, diagnosed by intravenous digital subtraction angiography] Gan TH, et al. **Digitale Bilddiagn** 1984 Mar;4(1):18–9 (Eng. Abstr.) (Ger)

[Digital subtraction angiography and extra–anatomical bypass in patients at risk (letter)] Niederle B, et al. **Dtsch Med Wochenschr** 1983 Jul 29;108(30): 1170 (Ger)

[Iopromide, a new contrast medium for angiography. Clinical study and comparison with other low–osmolar contrast media] Steidle B, et al. **Dtsch Med Wochenschr** 1984 Aug 24;109(34):1275–8 (Eng. Abstr.) (Ger)

[Diagnosis of acute lung embolism] Windler E, et al. **Dtsch Med Wochenschr** 1983 Oct 14;108(41):1558–61 (Ger)

[Digital subtraction angiography. In the spectrum of imaging methods of vascular diagnosis] Schuler M, et al. MMW 1983 Oct 28;125(43):974–8 (21 ref.) (Eng. Abstr.) (Ger)

[Venous digital subtraction angiography in the diagnosis of arteriosclerotic diseases of the supra–aortic extracranial vessels] Arlart IP, et al. **Radiologe** 1984 Apr;24(4):164–70 (Eng. Abstr.) (Ger)

[State of the art and developmental trends of venous and arterial digital subtraction angiography in neuroradiology] Huber G, et al. **Radiologe** 1984 Apr;24(4):155–63 (Eng. Abstr.) (Ger)

[Intravenous subtraction angiography as a control examination following blood vessel surgery] Jenss H, et al. **Radiologe** 1984 Apr;24(4):177–81 (Eng. Abstr.) (Ger)

[Transvenous digital subtraction angiography for the diagnosis of renal artery stenosis in arterial hypertension. A comparison with conventional angiography] Schörner W, et al. **Radiologe** 1984 Apr;24(4):171–6 (Eng. Abstr.) (Ger)

[Venous digital subtraction angiography of the kidneys in the diagnosis of hypertension] Arlart IP. **ROFO** 1984 Jan; 140(1):10–5 (Eng. Abstr.) (Ger)

[Intravenous digital subtraction angiography for imaging pulmonary vessels] Bargon G, et al. **ROFO** 1984 Apr; 140(4):431–5 (Eng. Abstr.) (Ger)

[Intravenous digital subtraction angiography in the detection of spinal angiomas] Becker H, et al. **ROFO** 1984 Jun; 140(6):686–9 (Eng. Abstr.) (Ger)

[Venous digital subtraction angiography of the renal arteries in hypertensive patients] Brecht G, et al. **ROFO** 1984 Mar; 140(3):254–8 (Eng. Abstr.) (Ger)

[Somatic radiation risk during heart examinations using digital angiography and ECG–triggered computed tomography] Ewen K, et al. **ROFO** 1983 Oct;139(4):440–3 (Eng. Abstr.) (Ger)

[Angiography of the upper abdomen using DSA. An alternative to conventional arteriography?] Grabbe E, et al. **ROFO** 1984 Jan;140(1):3–9 (Eng. Abstr.) (Ger)

[Digital subtraction angiography of the lung] Harder T, et al. **ROFO** 1984 Apr;140(4):425–30 (Eng. Abstr.) (Ger)

[Intravenous digital subtraction angiography (i.v. DSA) of the leg arteries using a movable table] Harder T, et al. **ROFO** 1984 Jun;140(6):690–5 (Eng. Abstr.) (Ger)

[Digital subtraction angiography (DSA) of arteriovenous pulmonary fistulae] Harder T, et al. **ROFO** 1983 Oct; 139(4):426–9 (Eng. Abstr.) (Ger)

[Digital subtraction angiography (DSA) of the upper extremities] Harder T, et al. **ROFO** 1983 Dec;139(6):609–15 (Eng. Abstr.) (Ger)

[Anatomic resolution of intra–arterial digital subtraction angiography of the kidney using different concentrations of contrast media] Lackner K, et al. **ROFO** 1984 Jun; 140(6):695–8 (Eng. Abstr.) (Ger)

[Value of digital subtraction angiography in extra–anatomic bypass] Niederle B, et al. **ROFO** 1984 Mar;140(3):265–8 (Eng. Abstr.) (Ger)

[Control of reconstructive vascular surgery using digital subtraction angiography (DSA)] Schuler M, et al.

ROFO 1983 Dec;139(6):602–8 (Eng. Abstr.) (Ger)
[Arterial digital subtraction angiography for demonstrating aortocoronary venous bypasses] Witte G, et al. ROFO 1984 Mar;140(3):251–3 (Eng. Abstr.) (Ger)
[Functional images of the left ventricle using digital venous angiography] Witte G, et al. ROFO 1984 Jul;141(1):49–52 (Eng. Abstr.) (Ger)
[Digital subtraction angiography (DSA) in acute pulmonary embolism] Witte G, et al. ROFO 1983 Dec;139(6):616–9 (Eng. Abstr.) (Ger)
[2-phase summation imaging of the subclavian steal syndrome using transvenous DSA] Arlart IP. Rontgenblatter 1984 Jul; 37(7):242–4 (Eng. Abstr.) (Ger)
[Image quality in intravenous digital subtraction angiography of renal vessels] Neufang KF, et al. Rontgenblatter 1984 Jul;37(7):237–41 (Eng. Abstr.) (Ger)
[Contrast medium reflux in the jugular vein in peripheral bolus injection] Rauber K. Rontgenblatter 1983 Oct; 36(10):332–5 (Eng. Abstr.) (Ger)
[Peripheral arteriography at an advanced age using a new contrast agent] Siemers M. Rontgenblatter 1984 Apr; 37(4):140–2 (Eng. Abstr.) (Ger)
[Possibilities of conventional intravenous subtraction angiography] Weigert F, et al. Rontgenblatter 1984 Jan; 37(1):1–7 (Eng. Abstr.) (Ger)
[Value of the angiographic image in bone tumors] Oschatz R, et al. Zentralbl Chir 1983;108(14):904–12 (Ger)
[Technic and results of digital subtraction angiography. Experience with 330 patients] Bonfatti A, et al. Minerva Chir 1983 Oct 15;38(19):1601–4 (Ita)
[Digital subtraction angiography and vascular surgery] Settembrini PG, et al. Minerva Chir 1983 Oct 15; 38(19):1485–8 (Ita)
[Sequential endovenous angiourography (AUS) with image subtraction for the study of the arterial phase of urography. Comparison with nephroangiotomography (NAT)] Garretti L, et al. Minerva Med 1983 Nov 16;74(44):2683–92 (Eng. Abstr.) (Ita)
[The importance of circulation time in intravenous angiography: Schad's method and its practical execution] Pastremoli A. Minerva Med 1984 Jul 14;75(28–29):1713–9 (Eng. Abstr.) (Ita)
[Clinical updating of digital angiography] Pistolesi GF, et al. Radiol Med (Torino) 1983 Oct;69(10):749–84 (52 ref.) (Ita)
[Digital radiography—clinical application of digital subtraction angiography] Hayashi K, et al. Gan No Rinsho 1983 Aug;29(10):1191–8 (Eng. Abstr.) (Jpn)
[Image processing techniques—focus on software. 2. Hardware and software for image data processing. 3. Digital fluorography] Tsuneoka M. Iyodenshi To Seitai Kogaku 1984 Apr;22(2):137–47 (23 ref.) (Jpn)
[Comparison of findings of subtraction scintigraphy using double tracers with those of selective angiography in detecting primary hepatic carcinoma] Hasegawa Y, et al. Kaku Igaku 1983 Jun;20(5):681–7 (Eng. Abstr.) (Jpn)
[Digital subtraction angiography and ultrasound sonography for detection of occlusive carotid lesions in the neck] Koga H, et al. Neurol Med Chir (Tokyo) 1983 Sep;23(9):705–10 (Eng. Abstr.) (Jpn)
[Angioarchitectual studies of the eye using a soft X-ray unit. I: The technic and the vasculature of the anterior portion of the uvea] Horiuchi T, et al. Nippon Ganka Gakkai Zasshi 1984 Mar;88(3):606–20 (Eng. Abstr.) (Jpn)
[Construction of a digital subtraction angiography vessel phantom and experimental study on resolution] Takahashi M, et al. Nippon Igaku Hoshasen Gakkai Zasshi 1984 Mar 25;44(3):494–502 (Eng. Abstr.) (Jpn)
[Clinical evaluation of digital subtraction angiography on the diagnosis of liver diseases] Sugiyama K, et al. Nippon Shokakibyo Gakkai Zasshi 1984 May;81(5):1230–7 (Eng. Abstr.) (Jpn)
[Seldinger's technics] Hiramatsu K. Rinsho Hoshasen 1983 Oct;28(11 Suppl):1127–35 (Jpn)
[Digital subtraction pulmonary angiography] Ikezoe J, et al. Rinsho Hoshasen 1984 Apr;29(4):477–82 (Eng. Abstr.) (Jpn)
[Emergency angiography] Ishikawa T. Rinsho Hoshasen 1983 Oct;28(11 Suppl):1307–21 (Jpn)
[Selective angiography of the supplementary left hepatic artery] Kodera K, et al. Rinsho Hoshasen 1983 Dec; 28(13):1553–6 (Eng. Abstr.) (Jpn)
[Radicular arteriography] Maehara T, et al. Rinsho Hoshasen 1983 Oct;28(11 Suppl):1249–57 (Jpn)
[Pelvic angiography] Mikuriya S. Rinsho Hoshasen 1983 Oct; 28(11 Suppl):1283–94 (Jpn)
[Thyroid angiography] Morita Y. Rinsho Hoshasen 1983 Oct; 28(11 Suppl):1159–65 (Jpn)
[Selective thyroid arteriography in the diagnosis of thyroid neoplasms] Morita Y. Rinsho Hoshasen 1981 Dec; 26(13):1379–84 (Eng. Abstr.) (Jpn)
[Angiography of the extremities] Suzuki S, et al. Rinsho Hoshasen 1983 Oct;28(11 Suppl):1295–305 (Jpn)
[A new method of hepatic angiography—balloon-occluded hepatic arteriography] Takashima S, et al. Rinsho Hoshasen 1984 Jan;29(1):3–9 (Eng. Abstr.) (Jpn)
[Evaluation of intravenous digital subtraction angiography for the diagnosis of aortic dissection] Yamada T, et al. Rinsho Hoshasen 1984 Jan;29(1):23–7 (Eng. Abstr.) (Jpn)
[Dynamic isotope angiography] Müller C, et al. Tidsskr Nor Laegeforen 1984 Jan 10;104(1):31–3 (Eng. Abstr.) (Nor)
[Digital subtraction angiography of the cervical and cerebral vessels] Sporaland O, et al. Tidsskr Nor Laegeforen 1983 Dec 10;103(34–36):2325–8 (Eng. Abstr.) (Nor)
[Intravenous radiological angiography of the orbit and eye. Experimental studies] Fryczkowski AW, et al. Klin Oczna 1983 Nov-Dec;85(11–12):387–90 (Eng. Abstr.) (Pol)
[Experimental studies on the use of intravenous digital subtraction angiography in observations on blood vessels of the orbit and eye] Fryczkowski AW, et al. Klin Oczna 1983 Nov-Dec;85(11–12):395–9 (Eng. Abstr.) (Pol)
[Intravenous digital subtraction angiography. New possibilities of vascular studies in ophthalmology] Fryczkowski AW, et al. Klin Oczna 1983 Nov-Dec; 85(11–12):391–4 (Eng. Abstr.) (Pol)
[X-ray contrast embolization material based on Sephadex and urogranic acid. Experimental studies] Szmigielski W, et al. Pol Przegl Radiol (Warszawa) 1983 Sep–Dec; 47(5–6):387–90 (Eng. Abstr.) (Pol)
[Current use and future perspectives of intravenous digital angiography in cardiovascular diseases] Konstadinidis T, et al. Arq Bras Cardiol 1983 Apr;40(4):223–7 (Por)
[Quantitative analysis of circulatory radiograms using computers] Pilipenko NI, et al. Med Tekh 1984 Jan–Feb; (1):19–23 (Eng. Abstr.) (Rus)
[Use of panoramic tomography in studying the vessels of the maxillofacial area] Kozel'tsev AL, et al. Stomatologiia (Mosk) 1984 Mar–Apr;63(2):39–41 (Eng. Abstr.) (Rus)
[Economic method of arteriography in patients with acute and chronic arterial obstruction of the extremities] Prokubovskiĭ VI, et al. Vestn Rentgenol Radiol 1984 Jan–Feb;(1):66–70 (Eng. Abstr.) (Rus)

STANDARDS

Evaluation of the vascular clinical trial program of metrizamide and iohexol. Andrew E. Acta Radiol [Diagn] (Stockh) 1984;25(1):59–64

TRENDS

Digital subtraction pulmonary angiography—an internist's and radiologist's view. Goldhaber SZ, et al. Cardiovasc Intervent Radiol 1983;6(4–6):239–40
[Technological updating of digital angiography] Maffessanti MM. Radiol Med (Torino) 1983 Oct;69(10):742–8 (Ita)

ANGIOHEMOPHILIA see VON WILLEBRAND'S DISEASE

ANGIOID STREAKS

COMPLICATIONS

Multiple hamartoma syndrome (Cowden's disease) [letter] Aram H, et al. J Am Acad Dermatol 1983 Nov;9(5):774–6
[Thalassemia and macular subretinal neovascularization] Theodossiadis G, et al. J Fr Ophtalmol 1984;7(2):115–8 (Eng. Abstr.) (Fre)

DIAGNOSIS

[Contribution to the clinical picture of angioid streaks] Karel I, et al. Cesk Oftalmol 1983 Nov;39(6):385–93 (Eng. Abstr.) (Cze)

ANGIOIMMUNOBLASTIC LYMPHADENOPATHY see IMMUNOBLASTIC LYMPHADENOPATHY

ANGIOKERATOMA

PATHOLOGY

Angiokeratoma corporis naeviforme. Sehgal VN, et al. Dermatologica 1984;168(3):144–6
[Angiokeratomas. Apropos of 8 cases] Iglesias PM, et al. Med Cutan Iber Lat Am 1983;11(5):249–56 (Eng. Abstr.) (Spa)

ANGIOKERATOMA CORPORIS DIFFUSUM

COMPLICATIONS

Jejunal diverticulosis with perforation as a complication of Fabry's disease. Friedman LS, et al. Gastroenterology 1984 Mar;86(3):558–63
Achalasia in Anderson–Fabry's disease. Roberts DH, et al. J R Soc Med 1984 May;77(5):430–1
[Case of central nervous system manifestation of Fabry's disease] Tayonaga K, et al. Rinsho Shinkeigaku 1983 Nov; 23(11):943–47 (Eng. Abstr.) (Jpn)

DIAGNOSIS

Clinicopathological conference: a 29-yr-old man with recurrent episodes of fever, abdominal pain, and vomiting. Abreo K, et al. Am J Med Genet 1984 Jun;18(2):249–64 (64 ref.)
Endomyocardial biopsy. Diagnosis of Fabry's disease in congestive cardiomyopathy. Maben P, et al. J Kans Med Soc 1983 Nov;84(11):556–7
Two dimensional echocardiographic similarity of Fabry's disease to cardiac amyloidosis: a function of ultrastructural analogy? Cohen IS, et al. JCU 1983 Oct;11(8):437–41
Case 2–1984: Fabry's disease [letter] N Engl J Med 1984 Jun 14;310(24):1607

ENZYMOLOGY

Angiokeratoma corporis diffusum in a patient with normal enzyme activities. Holmes RC, et al. J Am Acad Dermatol 1984 Feb;10(2 Pt 2):384–7
[Alpha-galactosidases and alpha-N-acetylgalactosaminidase. Biochemical bases of Fabry's disease] Salvayre R, et al. Pathol Biol (Paris) 1984 Apr;32(4):269–84 (156 ref.) (Eng. Abstr.) (Fre)

FAMILIAL & GENETIC

Fabry's disease. An X-linked inherited metabolic disorder. Thompson JN, et al. Ala J Med Sci 1984 Apr;21(2):181–4
Cell sorting and microchemistry of cultured human fibroblasts: applications in genetics and aging research. Jongkind JF, et al. Cytometry 1984 Mar;5(2):182–7

PATHOLOGY

Ultrastructural changes in the cornea and conjunctiva of a heterozygous woman with Fabry's disease. McCulloch C, et al. Can J Ophthalmol 1984 Jun;19(4):192–8
Pathological study of the sural nerve in Fabry's disease. Gemignani F, et al. Eur Neurol 1984;23(3):173–81
Fabry's disease (angiokeratoma corporis diffusum universale): ocular and associated findings. Maino JH. J Am Optom Assoc 1983 Dec;54(12):1061–5
Involvement of dorsal root ganglia in Fabry's disease. Gadoth N, et al. J Med Genet 1983 Aug;20(4):309–12
Testicular and epididymal involvement in Fabry's disease. Nistal M, et al. J Pathol 1983 Oct;141(2):113–24
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 2–1984. A 47-year-old man with coronary-artery disease and variable neurologic abnormalities. N Engl J Med 1984 Jan 12;310(2):106–14
[Anatomo-pathological changes in the heart in Fabry's disease. Report of a case] Gamallo C, et al. Rev Esp Cardiol 1984 Jul–Aug;37(4):286–90 (Eng. Abstr.) (Spa)

PHYSIOPATHOLOGY

ConA-mediated binding and uptake of purified alpha-galactosidase A in Fabry fibroblasts. Hasholt L, et al. Exp Cell Res 1983 Oct 15;148(2):405–11

THERAPY

The effect of phlebotomy as a treatment of Fabry disease. Beutler E, et al. Biochem Med 1983 Dec;30(3):363–8

ULTRASTRUCTURE

Silicon nephropathy mimicking Fabry's disease. Banks DE, et al. Am J Nephrol 1983 Sep–Oct;3(5):279–84
Loss of electron-dense lamellar material from Fabry's disease fibroblasts after enzyme replacement. Sifers RN, et al. Hum Genet 1983;65(1):85–7

URINE

Immunohistochemical localization of glycosphingolipid in urinary renal tubular cells in Fabry's disease. Chatterjee S, et al. Am J Clin Pathol 1984 Jul;82(1):24–8
Myelin bodies in urine sediment in hemizygotes with Anderson–Fabry disease. Wenk RE, et al. Ultrastruct Pathol 1983 Sep–Oct;5(2–3):123–7

ANGIOMA see HEMANGIOMA

ANGIOMA, SCLEROSING

COMPLICATIONS

Postirradiation malignant fibrous histiocytoma arising in juvenile nasopharyngeal angiofibroma and producing alpha-1-antitrypsin. Spagnolo DV, et al. Histopathology 1984 Mar;8(2):339–52
Oncogenic hypophosphatemic osteomalacia. Agus ZS. Kidney Int 1983 Jul;24(1):113–23

DIAGNOSIS

Juvenile nasopharyngeal angiofibroma. A 30 year clinical review. Witt TR, et al. Am J Surg 1983 Oct;146(4):521–5
[Nasal angiofibroma in a 60 year-old female patient] Barrios JM, et al. An Otorrinolaringol Ibero Am 1983;10(4):327–31 (Eng. Abstr.) (Spa)

OCCURRENCE

Rhinopharyngeal angiofibroma in the pediatric age group. Clinical-statistical contribution. De Vincentiis G, et al. Int J Pediatr Otorhinolaryngol 1980 Jun;2(2):99–122

PATHOLOGY

Nasopharyngeal angiofibromas: staging and management.

Chandler JR, et al. **Ann Otol Rhinol Laryngol** 1984 Jul–Aug;93(4 Pt 1):322–9

Juvenile nasal angiofibroma: a case report. Hiraide F, et al. **Arch Otorhinolaryngol** 1984;239(3):235–41

Type II pneumocytes in pulmonary tumors. Implications for histogenesis. Singh G, et al. **Arch Pathol Lab Med** 1984 Jan;108(1):44–8

Tenosynovial fibroma. Azzopardi JG, et al. **Diagn Histopathol** 1983 Apr–Jun;6(2):69–76

Juvenile nasopharyngeal angiofibroma in an adult male [letter] Aduba O. **Ear Nose Throat J** 1984 Mar;63(3):196–7

Atypical ('pseudosarcomatous') cutaneous histiocytoma. Fukamizu H, et al. **J Cutan Pathol** 1983 Oct;10(5):327–33

Nasopharyngeal angiofibroma presenting as adult osteomalacia: case report and review of the literature. Linsey M, et al. **Laryngoscope** 1983 Oct;93(10):1328–31 (39 ref.)

[A rare tumor: benign sclerosing pneumocytoma with an intrascissural development] Gaucher L, et al. **Poumon Coeur** 1983;39(6):321–6 (Eng. Abstr.) **(Fre)**

[Nasopharyngeal angiofibroma. Effect of age and radiation on its histology] Marco Algarra J, et al. **An Otorrinolaringol Ibero Am** 1983;10(5):449–57 (Eng. Abstr.) **(Spa)**

RADIOTHERAPY

The treatment of juvenile nasopharyngeal angiofibroma. The case for radiation therapy. Cummings BJ. **J Laryngol Otol [Suppl]** 1983;8:101–2

[Radiation treatment of juvenile angiofibroma—report of 2 cases] Ueda J, et al. **Rinsho Hoshasen** 1984 Apr; 29(4):499–501 (Eng. Abstr.) **(Jpn)**

SURGERY

Juvenile angiofibroma: a new technique for postoperative treatment and rehabilitation. Sella M, et al. **Int J Pediatr Otorhinolaryngol** 1983 Dec;6(3):297–300

Nasopharyngeal angiofibroma. Malik MK, et al. **J Indian Med Assoc** 1984 Feb;82(2):53–6

A few points in the management of juvenile nasopharyngeal angiofibroma. Chatterji P, et al. **J Laryngol Otol** 1984 May; 98(5):489–92

Pre-operative embolization of juvenile nasopharyngeal angiofibromas with gelfoam. Natvig K, et al. **J Laryngol Otol** 1984 Aug;98(8):829–33

Surgical management of nasopharyngeal angio-fibroma. Wu-Shan. **Rhinology** 1983 Dec;21(4):299–302

Current management of juvenile nasopharyngeal angiofibroma. Steinberger SJ, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1984 Spring; 37(1):65–70

THERAPY

Real-time digital subtraction angiography for therapeutic neuroradiologic procedures. Sherry RG, et al. **AJNR** 1983 Nov–Dec;4(6):1171–3

The evolving management of juvenile nasopharyngeal angiofibroma. Ward PH. **J Laryngol Otol [Suppl]** 1983; 8:103–4

[Case of juvenile nasopharyngeal angiofibroma with preoperative arterial embolization] Fukusumi A, et al. **Rinsho Hoshasen** 1983 Oct;28(10):1081–4 (Eng. Abstr.) **(Jpn)**

ULTRASTRUCTURE

Ultrastructure of fibrous papule of the nose. Kimura S, et al. **J Dermatol (Tokyo)** 1983 Dec;10(6):571–8

Ultrastructural cytochemistry of intranuclear dense granules in nasopharyngeal angiofibroma. Topilko A, et al. **Ultrastruct Pathol** 1984;6(2–3):221–8

ANGIOMATOSIS

see related
ARTERIOVENOUS MALFORMATIONS
TELANGIECTASIA, HEREDITARY HEMORRHAGIC

Klippel–Trenaunay syndrome: a review. You CK, et al. **Can J Surg** 1983 Sep;26(5):399–403 (54 ref.)

An association of parotid carcinoma with Von Hippel–Lindau syndrome. Nardi L, et al. **Mt Sinai J Med (NY)** 1984 Jun;51(3):298–9

[Heavy legs in angiodysplasias] Cormier JM. **J Mal Vasc** 1984;9 Suppl A:49–51 **(Fre)**

COMPLICATIONS

Combined phakomatoses: a case report of Sturge–Weber and Wyburn–Mason syndrome occurring in the same individual. Ward JB, et al. **Ann Ophthalmol** 1983 Dec; 15(12):1112–6

Cryoglobulinaemia and angiomatosis. Harper JI, et al. **Br J Dermatol** 1983 Oct;109(4):453–8

Spontaneous hematomas caused by microangiomatosis of the basal ganglia. Presentation of two cases in the newborn period. Alonso A, et al. **Childs Brain** 1984;11(3):202–11

Basal cell carcinoma developing in a nevus flammeus. Sagi E, et al. **Cutis** 1984 Mar;33(3):311–2, 318

Aplasia of the cervical internal carotid artery and malformation of the circle of Willis associated with Klippel–Trenaunay syndrome. Case report. Goldstein SJ, et al. **J Neurosurg** 1984 Oct;61(4):786–9

Recurrent intraoperative choroidal effusion in Sturge–Weber syndrome. Shihab ZM, et al. **J Pediatr Ophthalmol Strabismus** 1983 Nov–Dec; 20(6):250–2

Progressive vertebral collapse in diffuse angiomatosis. Young JW, et al. **Metab Bone Dis Relat Res** 1983–84;5(2):53–60

Pancreatic involvement in Hippel–Lindau disease. Bickler S, et al. **West J Med** 1984 Feb;140(2):280–2

[Volvulus of the small intestine in angioleiomyoma] Shapochnik MB, et al. **Khirurgiia (Mosk)** 1984 Jun;(6):118–9 **(Rus)**

[Angiomatosis and disseminated intravascular coagulation syndrome] Borque Andrés C, et al. **An Esp Pediatr** 1984 Feb 15;20(2):165–8 **(Spa)**

[Development of Kasabach–Merritt syndrome in a patient with Maffucci syndrome (letter)] López Bote JP, et al. **Sangre (Barc)** 1983;28(6):793–4 **(Spa)**

CONGENITAL

Congenital dysplastic angiopathy (Klippel–Trenaunay–Weber syndrome) with vulvar involvement. A case report. Krebs HB, et al. **J Reprod Med** 1984 Mar;29(3):215–8

[Klippel–Trénaunay–Weber syndrome with neonatal manifestations] Prigent F, et al. **Ann Dermatol Venereol** 1983;110(9):757–8 **(Fre)**

DIAGNOSIS

Thyroid carcinoma in von Hippel–Lindau disease [letter] Reyes CV. **Arch Intern Med** 1984 Feb;144(2):413

Sturge–Weber syndrome without port-wine facial nevus. Report of 2 cases studied by CT. Ambrosetto P, et al. **Childs Brain** 1983;10(6):387–92

Klippel–Trenaunay–Weber syndrome with melorheostosis. Kumar B, et al. **J Assoc Physicians India** 1983 May; 31(5):313–6

The cutaneous manifestations of Sturge–Weber syndrome. Uram M, et al. **J Clin Neuro Ophthalmol** 1982 Dec; 2(4):245–8

Klippel–Trenaunay–Weber syndrome: appearance in utero. Warhit JM, et al. **J Ultrasound Med** 1983 Nov;2(11):515–8

von Hippel–Lindau disease: a familial, often lethal, multi-system phakomatosis. Hardwig P, et al. **Ophthalmology** 1984 Mar;91(3):263–70

Early prenatal ultrasonic findings in Klippel–Trenaunay–Weber syndrome. Seoud M, et al. **Prenat Diagn** 1984 May–Jun;4(3):227–30

Encephalo–angiomatosis in black children. A report of 2 cases. Rudolph J, et al. **S Afr Med J** 1984 Jan 21;65(3):93–7

[Klippel–Trénaunay–Weber syndrome] Gaja A, et al. **Fysiatr Reumatol Vestn** 1983 Oct;61(5):286–93 (Eng. Abstr.) **(Cze)**

[Sturge–Weber syndrome] Giovannini A, et al. **Bull Mem Soc Fr Ophtalmol** 1983;95:484–7 **(Fre)**

[Exophytic juxtapapillary capillary hemangioma] Lepori JC, et al. **Bull Soc Ophtalmol Fr** 1983 Aug–Sep;83(8–9):1067–71 (Eng. Abstr.) **(Fre)**

[Klippel–Trenaunay–Weber syndrome] Ayala F, et al. **G Ital Dermatol Venereol** 1982 May–Jun;117(3):187–9 (Eng. Abstr.) **(Ita)**

[Doppler flowmetry in Klippel–Trénaunay–Weber syndrome] Donofrio P, et al. **G Ital Dermatol Venereol** 1983 Nov–Dec;118(6):361–3 (Eng. Abstr.) **(Ita)**

[Encephalo–trigeminal angiomatosis (Sturge–Weber): an advanced form] Votta I, et al. **Riv Neurobiol** 1982 Jul–Dec; 28(3–4):339–44 (Eng. Abstr.) **(Ita)**

[Clinical picture and diagnosis of systemic angioreticulomatosis] Shatunovskii NE, et al. **Zh Vopr Neirokhir** 1983 Sep–Oct;(5):12–7 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Segregation and linkage analyses of von Hippel Lindau disease among 220 descendants from one kindred. Go RC, et al. **Am J Hum Genet** 1984 Jan;36(1):131–42

[Von Hippel–Lindau angiomatosis—a polymorphic disease] Tuppurainen K, et al. **Duodecim** 1984;100(6):358–60 (Eng. Abstr.) **(Fin)**

[Natural history of an angioma of the pupil] Pournaras C, et al. **Bull Soc Ophtalmol Fr** 1983 Jun–Jul;83(6–7):817–22 **(Fre)**

[Familial pheochromocytoma associated with non Hippel–Lindau disease. A family study] Unsgård G, et al. **Tidsskr Nor Laegeforen** 1984 Apr 30;104(12):786–8 (Eng. Abstr.) **(Nor)**

[Familial incidence of carcinoma of the kidney in patients with von Hippel–Lindau disease] Péč J, et al. **Bratisl Lek Listy** 1984 Apr;81(4):465–71 (Eng. Abstr.) **(Slo)**

[von Hippel–Lindau disease—an eye disease with fatal extraocular manifestations] Frisk B, et al. **Lakartidningen** 1983 Aug 24;80(34):2994–6 (Eng. Abstr.) **(Swe)**

NURSING

A patient with Lindau-von Hippel disease—a nursing challenge. Dudas S, et al. **J Neurosurg Nurs** 1983 Dec; 15(6):350–4

PATHOLOGY

Picture of the month. Sturge-Weber syndrome. Feingold M. **Am J Dis Child** 1984 Apr;138(4):407–8

Metastatic islet cell tumor in von Hippel–Lindau disease. Cornish D, et al. **Am J Med** 1984 Jul;77(1):147–50

Incipient hemangioblastoma of the optic disk [letter] Imes RK, et al. **Am J Ophthalmol** 1984 Jul 15;98(1):116

Divry–Van Bogaert syndrome. Clinical and ultrastructural findings. Bussone G, et al. **Arch Neurol** 1984 May; 41(5):560–2

Maffucci's syndrome. Report of a case with oral hemangiomas. Laskaris G, et al. **Oral Surg** 1984 Mar; 57(3):263–6

[Klippel–Trenaunay syndrome of the upper extremity. Apropos of 2 cases] Coget JM, et al. **Phlebologie** 1983 Jul–Sep;36(3):271–5 (Eng. Abstr.) **(Fre)**

[Pheochromocytoma and sympathetic paraganglioma. 2. Combination with typical associated diseases. Familial occurrence] Zollinger R, et al. **Schweiz Med Wochenschr** 1983 Aug 9;113(31–32):1086–92 (Eng. Abstr.) **(Ger)**

[Pyogenic granuloma with multiple satellite recurrences. Histologic and ultrastructural study] Nazzari G, et al. **G Ital Dermatol Venereol** 1982 Jul–Aug;117(4):233–6 (Eng. Abstr.) **(Ita)**

[Von Hippel's angiomatosis] Munteanu G, et al. **Rev Chir [Oftalmol]** 1984 Apr–Jun;28(2):143–6 (Eng. Abstr.) **(Rum)**

[Calcified diffuse hepatic angiomatosis] Herrerías JM, et al. **Rev Esp Enferm Apar Dig** 1984 Apr;65(4):353–7 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Computed tomography in von Hippel–Lindau disease. List A, et al. **Acta Radiol [Diagn] (Stockh)** 1983;24(2):97–9

CT diagnosis of phakomatosis. Salvolini U, et al. **J Neuroradiol** 1984;11(1):29–45 **(Eng, Fre)**

Cranial computed tomography in the phakomatoses. Gardeur D, et al. **Neuroradiology** 1983;25(4):293–304

[Computer tomography in the Sturge–Weber syndrome] Fotter R, et al. **Computertomographie** 1981 Jun;1(2):80–2 (Eng. Abstr.) **(Ger)**

SURGERY

Polycystic pancreas: Lindau's disease. Jackaman FR. **J R Coll Surg Edinb** 1984 Mar;29(2):121–2

Sturge–Weber disease—neurophysiological evaluation of a case with secondary epileptogenesis, successfully treated with lobe–ectomy. Rosén I, et al. **Neuropediatrics** 1984 May;15(2):95–8

Treatment of large von Hippel tumors by eye wall resection. Peyman GA, et al. **Ophthalmology (Rochester)** 1983 Jul; 90(7):840–7

[Extensive angiomatosis of the retina of both eyes cured with cryopexy] Moráň M, et al. **Cesk Oftalmol** 1983 Sep; 39(5):350–6 (Eng. Abstr.) **(Cze)**

[Reversible star formation of the macula in retinal angiomatosis] Schütte E, et al. **Klin Monatsbl Augenheilkd** 1983 Sep;183(3):205–7 (Eng. Abstr.) **(Ger)**

[Surgery in the phakomatoses] Giuffrè R. **Riv Neurobiol** 1982 Jul–Dec;28(3–4):392–411 (102 ref.) (Eng. Abstr.) **(Ita)**

THERAPY

Orbital arteriovenous malformation with secondary capillary angiomatosis treated by embolization with silastic liquid. Howard GM, et al. **Ophthalmology (Rochester)** 1983 Sep; 90(9):1136–9

ULTRASTRUCTURE

von Hippel angiomatosis. A light, electron microscopic, and immunoperoxidase characterization. Mottow-Lippa L, et al. **Ophthalmology (Rochester)** 1983 Jul;90(7):848–55

ANGIONEUROTIC EDEMA

CHEMICALLY INDUCED

Aspirin–induced recurrent urticaria and recurrent angioedema in non–atopic children. Botey J, et al. **Ann Allergy** 1984 Sep;53(3):265–7

Urticaria and angioedema can be caused by food additives and dyes [letter] Brown EB. **Ann Allergy** 1984 Mar;52(3 Pt 1):200

Captopril–induced angioedema [letter] Jett GK. **Ann Emerg Med** 1984 Jun;13(6):489–90

An allergic reaction to rubber dam. Blinkhorn AS, et al. **Br Dent J** 1984 Jun 9;156(11):402–3

Angioneurotic oedema following atracurium [letter] Srivastava S. **Br J Anaesth** 1984 Aug;56(8):932–3

Insulin hypersensitivity. Berman BA, et al. **Cutis** 1983 Oct; 32(4):320, 328, 330 passim

[Drug–induced Quincke's edema of the mouth mucosa – an analysis of 33 cases] Gebel K, et al. **Z Hautkr** 1983 Oct 15;58(20):1471–80 (Eng. Abstr.) **(Ger)**

[A case of Quincke's edema and hemorrhagic vasculitis after tinidazole administration] Okhrimovich LM, et al. **Vrach Delo** 1983 Aug;(8):100–1 **(Rus)**

[Idiosyncrasy to aspirin and leukotrienes] Orea Solano M. **Alergia** 1983 Oct;30(4):153–8 (Eng. Abstr.) **(Spa)**

[Urticaria—angioedema induced by non-steroidal anti-inflammatory analgesics] Díez Gómez ML, et al. **Allergol Immunopathol (Madr)** 1984 May-Jun;12(3):179–88 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Hereditary angioedema and coronary arteritis. Harrington TM, et al. **Am J Med Sci** 1984 Jan-Feb;287(1):50–2

Recurrent idiopathic angioedema in the presence of increased capillary fragility: an unusual case presentation. Miller MM. **Clin Allergy** 1983 Sep;13(5):495–7

First case of acquired functional C1(-) INH deficiency: association with angioedema during Churg and Strauss vasculitis. Pasquali JL, et al. **Int Arch Allergy Appl Immunol** 1984;74(3):284–5

Episodic angioedema associated with eosinophilia. Gleich GJ, et al. **N Engl J Med** 1984 Jun 21;310(25):1621–6

DIAGNOSIS

Acute uvular edema. Reddy CR, et al. **Am J Dis Child** 1983 Dec;137(12):1204–5

Laboratory investigations in chronic urticaria and acquired angio-oedema. Dupont C. **Br J Clin Pract** 1984 Jun; 38(6):224, 238

[Misleading HANE (hereditary angioneurotic edema)] Hakala M, et al. **Duodecim** 1983;99(20):1474–7 (9 ref.) **(Fin)**

[Allergic and pseudoallergic reactions of the urticaria skin and mucous membranes due to food components with special reference to food and RAST] Illig L, et al. **Z Hautkr** 1984 Jun 15;59(12):793–813 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Successful treatment of chronic idiopathic urticaria and angioedema with cimetidine alone. Farnam J, et al. **J Allergy Clin Immunol** 1984 Jun;73(6):842–5

[Treatment of hereditary angioedema with danazol] Myreng Y, et al. **Tidsskr Nor Laegeforen** 1983 Oct 30;103(30):2050–1 **(Nor)**

[Ketotifen in the treatment of chronic urticaria and angioneurotic edema] Piñol J, et al. **Allergol Immunopathol (Madr)** 1984 Jan-Feb;12(1):19–27 (Eng. Abstr.) **(Spa)**

ETIOLOGY

The catabolism of C1(-)-inhibitor and the pathogenesis of hereditary angio-edema. Lachmann PJ, et al. **Acta Pathol Microbiol Immunol Scand [Suppl]** 1984; 284:35–9

[Acute recurring Quincke edema in allergy to malt extract] Wüthrich B. **Schweiz Med Wochenschr** 1984 Feb 25; 114(8):269–71 (Eng. Abstr.) **(Ger)**

[Urticaria and Quincke's edema caused by chironomid larva (Chironomus thummi thummi) as fishfood] Mittelbach F. **Z Hautkr** 1983 Nov 1;58(21):1548–55 (Eng. Abstr.) **(Ger)**

[Diffenbachia picta—toxico-allergic changes in the mouth mucosa and tongue] Bogdanowski T, et al. **Przegl Dermatol** 1984 Jan-Feb;71(1):61–3 (Eng. Abstr.) **(Pol)**

[Quincke's edema caused by food and respiratory hypersensitivity to fish] Dynowska D, et al. **Przegl Dermatol** 1983 Sep-Dec;70(5–6):545–7 (Eng. Abstr.) **(Pol)**

[A hypothesis on hereditary angioedema as a disease state due to the excessive care by the body in preserving its health] Pasini n. **Lijec Vjesn** 1984 Apr;106(4):152–5 (Eng. Abstr.) **(Scr)**

FAMILIAL & GENETIC

Sudden death due to pulmonary complication in a patient with heredity angioneurotic edema. Bajor K, et al. **Dermatol Monatsschr** 1983;169(7):468–70

Partial genetic deficiency of the C4 component of complement in discoid lupus erythematosus and urticaria/angioedema. Agnello V, et al. **J Am Acad Dermatol** 1983 Dec;9(6):894–8

Hereditary Angio-Edema (HAE). Blok PH, et al. **J Laryngol Otol** 1984 Jan;98(1):59–63

Hereditary angioedema with easy bruising. Adams SJ, et al. **J R Soc Med** 1984 Jun;77(6):522–4

Hereditary angioneurotic oedema and blood-coagulation: interaction between C1-esterase-inhibitor and the activation factors of the proteolytic enzyme systems. Witzke G, et al. **Klin Wochenschr** 1983 Nov 15; 61(22):1131–5

Hereditary angioedema and pregnancy. Stiller RJ, et al. **Obstet Gynecol** 1984 Jul;64(1):133–5

C1-inhibitor deficiency (hereditary angioedema): case report and review. Burge JJ. **Va Med** 1983 Dec;110(12):706–11 (14 ref.)

[A family with hereditary angioedema (C1-esterase inhibitor deficiency)] Houwen RH, et al. **Ned Tijdschr Geneeskd** 1983 Nov 12;127(46):2082–4 (Eng. Abstr.) **(Dut)**

[Hereditary angioneurotic edema. Apropos of 185 patients and 40 families] Hartmann L. **Bull Acad Natl Med (Paris)** 1983 Apr;167(4):343–51 (Eng. Abstr.) **(Fre)**

[Anesthesia in a patient with hereditary angioedema] Schär B. **Anaesthesist** 1984 Mar;33(3):140–1 (Eng. Abstr.) **(Ger)**

[Hereditary angioneurotic edema. Clinical picture, diagnosis, patient management and drug therapy] Bork K, et al. **Dtsch Med Wochenschr** 1984 Aug 31;109(35):1331–5 (42 ref.) **(Ger)**

[Hereditary angioneurotic edema. Clinical syndrome and therapy] Köppl H, et al. **Hautarzt** 1983 Aug;34(8):377–82 (Eng. Abstr.) **(Ger)**

[Hereditary angio-edema] Gross DJ, et al. **Harefuah** 1984 Feb 1;106(3):131–2 **(Heb)**

[Hereditary angio-edema] Gross DJ, et al. **Harefuah** 1984 Feb 1;106(3):119 (Eng. Abstr.) **(Heb)**

[Hereditary angioneurotic edema with interesting radiographic findings in the small intestine] Otsuka H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Nov; 80(11):2428–32 **(Jpn)**

[Hereditary angioedema] Cikeš N, et al. **Lijec Vjesn** 1984 Jan;106(1):25–30 (Eng. Abstr.) **(Scr)**

[The abdominal form of hereditary angioedema and its onset in a family] Pasini N. **Lijec Vjesn** 1984 Jan;106(1):11–5 (Eng. Abstr.) **(Scr)**

[Hereditary angioedema] Zusserman MG, et al. **Alergia** 1984 Jan-Mar;31(1):7–11 (21 ref.) (Eng. Abstr.) **(Spa)**

[Profile of the complement system in a family with hereditary angioedema] Rivero S, et al. **Rev Med Chil** 1983 Nov; 111(11):1111–6 (Eng. Abstr.) **(Spa)**

HISTORY

Suspicious circumstances in Salem [letter] Stupniker S. **N Engl J Med** 1983 Nov 10;309(19):1194

[The man behind the syndrome: Heinrich Quincke. A well-read, delicate internist – a pioneer in the lumbar puncture technic and lung surgery] Hägermark O. **Lakartidningen** 1983 Nov 16;80(46):4429–30 **(Swe)**

IMMUNOLOGY

C1 INH deficiency and angioedema: a spectrum of disease. Part one. Metzger WJ, et al. **Ann Allergy** 1984 Apr; 52(4):269–71

C1 INH deficiency and angioedema: a spectrum of disease. Part two. Metzger WJ, et al. **Ann Allergy** 1984 Apr; 52(4):285–90

Lymphocyte subsets in hereditary angioedema. Cillari E, et al. **Ann Sclavo** 1982 Nov-Dec;24(6):666–75

Studies of complement autoactivatability in hereditary angioedema: direct relationship to functional C-1-INA and the effect of classical pathway activators. Ghebrehiwet B, et al. **Clin Immunol Immunopathol** 1984 Jul;32(1):101–10

Urticaria in childhood: pathogenesis and management. Twarog FJ. **Pediatr Clin North Am** 1983 Oct;30(5):887–98 (51 ref.)

[Immunologic status of patients with urticaria and Quincke's edema] Ol'shanskil IaO, et al. **Sov Med** 1983;(9):36–42 (Eng. Abstr.) **(Rus)**

[Hereditary angioedema caused by a deficiency of C1 esterase inhibitor. A sporadic case of late appearance (letter)] Verea Hernando HR, et al. **Med Clin (Barc)** 1983 Dec 10; 81(19):880 **(Spa)**

METABOLISM

[Background for clinical manifestation of hereditary angioneurotic edema (HANE)] Kodama J. **Rinsho Byori** 1983 Aug;31(8):860–2 **(Jpn)**

PHYSIOPATHOLOGY

Angioedema [editorial] Kaplan AP. **N Engl J Med** 1984 Jun 21;310(25):1662–4

PREVENTION & CONTROL

[Histamine in acute experimental heat exhaustion] Shchablenko SM, et al. **Gig Tr Prof Zabol** 1984 Jun;(6):36–7 **(Rus)**

ANGIOPLASTY, BALLOON see **ANGIOPLASTY, TRANSLUMINAL**

ANGIOPLASTY, TRANSLUMINAL

Percutaneous transluminal angioplasty. A review. Bergentz SE, et al. **Acta Chir Scand** 1983;149(7):641–9 (57 ref.)

Innominate artery angioplasty. Vitek JJ, et al. **AJNR** 1984 Jan-Feb;5(1):113–4

Digital subtraction angiography in interventional radiology. Chang R, et al. **AJR** 1984 Feb;142(2):363–6

Percutaneous transluminal angioplasty for arterial disease of the lower extremities. Katzen BT. **AJR** 1984 Jan; 142(1):23–5

Percutaneous recanalization of iliac artery occlusions: an alternative to surgery in the high-risk patient. Pilla TJ, et al. **AJR** 1984 Aug;143(2):313–6

Transluminal angioplasty of the superior mesenteric artery: an alternative to surgical revascularization. Roberts L Jr, et al. **AJR** 1983 Nov;141(5):1039–42

Renal angioplasty: current status. Tegtmeyer CJ, et al. **AJR** 1984 Jan;142(1):17–21 (27 ref.)

Reduced vasoconstrictor response after angioplasty in normal rabbit aortas. Wolf GL, et al. **AJR** 1984 May;142(5):1023–5

Percutaneous transluminal coronary angioplasty: six years' experience. Gruentzig AR. **Am Heart J** 1984 Apr; 107(4):818–9

Percutaneous transluminal coronary angioplasty with and without thrombolytic therapy for treatment of acute myocardial infarction. Hartzler GO, et al. **Am Heart J** 1983 Nov;106(5 Pt 1):965–73

Follow-up of patients from the coronary artery surgery study (CASS) potentially suitable for percutaneous transluminal coronary angioplasty. Holmes DR Jr, et al. **Am Heart J** 1983 Nov;106(5 Pt 1):981–8

Comparison of coronary artery bypass surgery and percutaneous transluminal coronary angioplasty including surgery for failed angioplasty. Jones EL, et al. **Am Heart J** 1984 Apr;107(4):830–5

Percutaneous transluminal coronary angioplasty in patients with stable and unstable angina pectoris: analysis of early and late results. Meyer J, et al. **Am Heart J** 1983 Nov;106(5 Pt 1):973–80

Percutaneous transluminal coronary angioplasty in acute myocardial infarction. Pepine CJ, et al. **Am Heart J** 1984 Apr;107(4):820–2

Proceedings of the National Heart, Lung, and Blood Institute Workshop on the Outcome of Transluminal Coronary Angioplasty. June 7–8, 1983 National Institutes of Health, Bethesda, Maryland. **Am J Cardiol** 1984 Jun 15; 53(12):1C–146C

Surgical intervention for failed percutaneous transluminal coronary angioplasty. Akins CW, et al. **Am J Cardiol** 1984 Jun 15;53(12):108C–111C

Percutaneous transluminal coronary angioplasty (PTCA) in patients with relative contraindications: results of the National Heart, Lung, and Blood Institute PTCA Registry. Bentivoglio LG, et al. **Am J Cardiol** 1984 Jun 15; 53(12):82C–88C

Mechanism of transluminal angioplasty. Block PC. **Am J Cardiol** 1984 Jun 15;53(12):69C–71C

Bedside balloon atrial septostomy using echocardiographic monitoring. Bullaboy CA, et al. **Am J Cardiol** 1984 Mar 15;53(7):971

Delayed coronary occlusion after successful percutaneous transluminal coronary angioplasty: association with exercise testing. Dash H. **Am J Cardiol** 1983 Nov 1; 52(8):1143–4

Baseline characteristics of patients in the National Heart, Lung, and Blood Institute Percutaneous Transluminal Coronary Angioplasty Registry. Detre KM, et al. **Am J Cardiol** 1984 Jun 15;53(12):7C–11C

Recanalization of occluded left main coronary artery in unstable angina pectoris. Erbel R, et al. **Am J Cardiol** 1984 Jun 1;53(11):1725–7

Effect of antiplatelet therapy on restenosis after experimental angioplasty. Faxon DP, et al. **Am J Cardiol** 1984 Jun 15; 53(12):72C–76C

Role of percutaneous transluminal coronary angioplasty in the treatment of unstable angina. Report from the National Heart, Lung, and Blood Institute Percutaneous Transluminal Coronary Angioplasty and Coronary Artery Surgery Study Registries. Faxon DP, et al. **Am J Cardiol** 1984 Jun 15;53(12):131C–135C

Design of comparative clinical studies of percutaneous transluminal coronary angioplasty using estimates from the Coronary Artery Surgery Study. Fisher LD, et al. **Am J Cardiol** 1984 Jun 15;53(12):138C–146C

Potential for percutaneous transluminal coronary angioplasty before initial and repeat coronary artery bypass grafting in the Coronary Artery Surgery Study (CASS) Registry population. Foster ED, et al. **Am J Cardiol** 1984 Jun 15; 53(12):112C–115C

Combined intracoronary streptokinase infusion and coronary angioplasty during acute myocardial infarction. Gold HK, et al. **Am J Cardiol** 1984 Jun 15;53(12):122C–125C

Percutaneous transluminal coronary angioplasty: application for acute myocardial infarction. Hartzler GO, et al. **Am J Cardiol** 1984 Jun 15;53(12):117C–121C

Restenosis after percutaneous transluminal coronary angioplasty (PTCA): a report from the PTCA Registry of the National Heart, Lung, and Blood Institute. Holmes DR Jr, et al. **Am J Cardiol** 1984 Jun 15;53(12):77C–81C

Return to work after coronary angioplasty: a report from the National Heart, Lung, and Blood Institute Percutaneous Transluminal Coronary Angioplasty Registry. Holmes DR Jr, et al. **Am J Cardiol** 1984 Jun 15;53(12):48C–51C

Employment and recreation patterns in patients treated by percutaneous transluminal coronary angioplasty: a multicenter study. Holmes DR Jr, et al. **Am J Cardiol** 1983 Oct 1;52(7):710–3

Effect of investigator experience on percutaneous transluminal coronary angioplasty. Kelsey SF, et al. **Am J Cardiol** 1984 Jun 15;53(12):56C–64C

Long-term efficacy of percutaneous transluminal coronary angioplasty (PTCA): report from the National Heart, Lung, and Blood Institute PTCA Registry. Kent KM, et al. **Am J Cardiol** 1984 Jun 15;53(12):27C–31C

Balloon coarctation angioplasty in an adult. Lababidi Z, et al. **Am J Cardiol** 1984 Jan 15;53(2):350–1

Reversibility of coronary collaterals and alteration in regional coronary flow reserve after successful angioplasty. LeGrand V, et al. **Am J Cardiol** 1984 Aug 1;54(3):453–4

Determinants of transstenotic gradients observed during angioplasty: an experimental model. Leiboff R, et al. **Am J Cardiol** 1983 Dec 1;52(10):1311–7

Learning curve for percutaneous transluminal coronary angioplasty: skill, technology or patient selection. Meier

B, et al. **Am J Cardiol** 1984 Jun 15;53(12):65C–68C

Percutaneous transluminal coronary angioplasty (PTCA) in the elderly patient: experience in the National Heart, Lung, and Blood Institute PTCA Registry. Mock MB, et al. **Am J Cardiol** 1984 Jun 15;53(12):89C–91C

Historical background of the National Heart, Lung, and Blood Institute Registry for Percutaneous Transluminal Coronary Angioplasty. Mullin SM, et al. **Am J Cardiol** 1984 Jun 15;53(12):3C–6C

Hemodynamic deterioration after coronary angioplasty in the presence of previous left ventricular infarction. Murphy DA, et al. **Am J Cardiol** 1984 Aug 1;54(3):448–50

Effect of dextran and aspirin on platelet adherence after transluminal angioplasty of normal canine coronary arteries. O'Gara PT, et al. **Am J Cardiol** 1984 Jun 1; 53(11):1695–8

Exercise, electrocardiographic and functional responses after percutaneous transluminal coronary angioplasty. Rosing DR, et al. **Am J Cardiol** 1984 Jun 15;53(12):36C–41C

Assessment of percutaneous transluminal coronary angioplasty by quantitative coronary angiography: diameter versus densitometric area measurements. Serruys PW, et al. **Am J Cardiol** 1984 Sep 1;54(6):482–8

Successful recanalization of a left main coronary artery occlusion. von Essen R, et al. **Am J Cardiol** 1984 Jan 15; 53(2):356–7

Early and late morphologic changes in major epicardial coronary arteries after percutaneous transluminal coronary angioplasty. Waller BF, et al. **Am J Cardiol** 1984 Jun 15; 53(12):42C–47C

Efficacy of repeat percutaneous transluminal coronary angioplasty for coronary restenosis. Williams DO, et al. **Am J Cardiol** 1984 Jun 15;53(12):32C–35C

Workshop on percutaneous transluminal coronary angioplasty. Willman VL. **Am J Cardiol** 1984 Jun 15; 53(12):1C–2C

Effects of percutaneous transluminal coronary angioplasty: intracoronary thrombolysis with urokinase in acute myocardial infarction. Yasuno M, et al. **Am J Cardiol** 1984 May 1;53(9):1217–20

Percutaneous balloon angioplasty. Treatment for congenital coarctation of the aorta and congenital valval pulmonic stenosis. Brodsky SJ. **Am J Dis Child** 1984 Sep;138(9):851–4

Angioplasty of a stenotic aorto–renal artery saphenous vein bypass graft to a single kidney. Garfinkel HB, et al. **Am J Kidney Dis** 1984 Sep;4(2):171–4

Predictive value and changes of renin secretion in hypertensive patients with unilateral renovascular disease undergoing successful renal angioplasty. Pickering TG, et al. **Am J Med** 1984 Mar;76(3):398–404

Role of balloon dilatation in the treatment of renovascular hypertension. Pickering TG, et al. **Am J Med** 1984 Aug 20;77(2A):61–6 (29 ref.)

Percutaneous transluminal angioplasty. Results and surgical implications. Knight RW, et al. **Am J Surg** 1984 May; 147(5):578–82

Inadequacy of the noninvasive hemodynamic evaluation of percutaneous transluminal angioplasty. Samson RH, et al. **Am J Surg** 1984 Feb;147(2):212–5

The correction of cerebrovascular insufficiency by transluminal dilatation: a preliminary report. Lowman BG, et al. **Am Surg** 1983 Nov;49(11):621–4

Differences in pulmonary artery wedge pressures obtained by balloon inflation versus impaction techniques. Royster RL, et al. **Anesthesiology** 1984 Sep;61(3):339–41

Percutaneous dilatation of lower leg arteries. Haapanen A, et al. **Ann Clin Res** 1984;16 Suppl 40:7–9

Percutaneous transluminal angioplasty. **Ann Intern Med** 1983 Dec;99(6):864–9 (60 ref.)

Application of digital vascular imaging in interventional radiology. Ludwig JW, et al. **Ann Radiol (Paris)** 1983 Nov; 26(7):585–8

Percutaneous transluminal renal angioplasty in nephrovascular hypertension. Simonetti G, et al. **Ann Radiol (Paris)** 1983 Sep–Oct;26(6):483–91 **(Eng, Fre)**

Combined PTA and low–dose transcatheter fibrinolysis in PTA–induced complications and in arterial thrombosis. Weber J, et al. **Ann Radiol (Paris)** 1984 Apr–May; 27(4):334–9

Combined aortocoronary bypass and intraoperative transluminal angioplasty in left main coronary artery disease. Caralps JM, et al. **Ann Thorac Surg** 1984 Apr; 37(4):291–4

Intraoperative transluminal balloon catheter dilation [letter] Caralps JM, et al. **Ann Thorac Surg** 1983 Nov;36(5):610

Percutaneous saphenous vein angioplasty to avoid reoperative bypass surgery. Jones EL, et al. **Ann Thorac Surg** 1983 Oct;36(4):389–95

Reop or not [editorial] Mills NL. **Ann Thorac Surg** 1983 Oct; 36(4):375–6

Interventional coronary arteriography. Kennedy JW, et al. **Annu Rev Med** 1984;35:513–34 (59 ref.)

Percutaneous transluminal coronary angioplasty of a coronary artery with a total occlusion. Stein JH, et al. **Arch Intern Med** 1984 Sep;144(9):1875–7

Usefulness of percutaneous transluminal angioplasty for aortitis syndrome. Yagura M, et al. **Arch Intern Med** 1984 Jul;144(7):1465–8

Treatment of renal artery embolism. Nicholas GG, et al. **Arch Surg** 1984 Mar;119(3):278–81

Percutaneous transluminal angioplasty. An ineffective approach to the failing vascular access. Tortolani EC, et al. **Arch Surg** 1984 Feb;119(2):221–3

Lipid composition of rabbit aortic wall following removal of endothelium by balloon catheter. Alavi M, et al. **Arteriosclerosis** 1983 Sep–Oct;3(5):413–9

Percutaneous transluminal angioplasty: a vascular surgeon's viewpoint. Hibberd AD. **Australas Radiol** 1983 Nov; 27(3):303–4

Balloon catheter dilatation of coarctation of the aorta in young infants. Finley JP, et al. **Br Heart J** 1983 Nov; 50(5):411–5

Is transluminal coronary angioplasty mandatory after successful thrombolysis? Quantitative coronary angiographic study. Serruys PW, et al. **Br Heart J** 1983 Sep;50(3):257–65

Use of the exercise maximal ST segment/heart rate slope in assessing the results of coronary angioplasty. Silverton NP, et al. **Br Heart J** 1984 Apr;51(4):379–85

Percutaneous transluminal angioplasty for lower limb ischaemia. Campbell WB, et al. **Br J Surg** 1983 Dec; 70(12):736–9

Percutaneous transluminal angioplasty of iliac arteries: the importance of functional studies. Fradet G, et al. **Can J Surg** 1984 Jul;27(4):359–61

Transluminal dilatation for Takayasu's arteritis. Hodgins GW, et al. **Can J Surg** 1984 Jul;27(4):355–7

Successful angioplasty of renal artery stenosis due to aorto–arteritis. Tan AT, et al. **Cardiology** 1983;70(4):213–5

Angioplasty with streptokinase infusion of a totally occluded Dacron femoropopliteal graft. Galichia JP, et al. **Cardiovasc Intervent Radiol** 1984;7(1):18–20

Superficial femoral artery occlusion: observations that influence patient selection criteria for angioplasty. Kinnison ML, et al. **Cardiovasc Intervent Radiol** 1984;7(2):102–3

Potential mechanisms of angioplasty. Wolf GL, et al. **Cardiovasc Intervent Radiol** 1984;7(1):11–7

Progression of coronary disease in candidates for transluminal coronary angioplasty. Morton BC, et al. **Cathet Cardiovasc Diagn** 1983;9(5):497–500

Balloon occlusion of atrial septal defect to assess right ventricular capability in hypoplastic right heart syndrome. Bass JL, et al. **Circulation** 1983 Nov;68(5):1081–6

Treatment of restenosis of coarctation by percutaneous transluminal angioplasty. Kan JS, et al. **Circulation** 1983 Nov;68(5):1087–94

Dilation angioplasty of congenital or operative narrowings of venous channels. Lock JE, et al. **Circulation** 1984 Sep; 70(3):457–64

Long–term patency of the ductus arteriosus after balloon dilatation: an experimental study. Lund G, et al. **Circulation** 1984 Apr;69(4):772–4

Long–term exercise performance after percutaneous transluminal coronary angioplasty and coronary artery bypass grafting. Meier B, et al. **Circulation** 1983 Oct; 68(4):796–802

The mechanism of transluminal angioplasty: evidence for formation of aneurysms in experimental atherosclerosis. Sanborn TA, et al. **Circulation** 1983 Nov;68(5):1136–40

Left ventricular performance, regional blood flow, wall motion, and lactate metabolism during transluminal angioplasty. Serruys PW, et al. **Circulation** 1984 Jul; 70(1):25–36

Percutaneous transluminal angioplasty: review of iliac and femoral dilatations at the Cleveland Clinic. Graor RA, et al. **Cleve Clin Q** 1984 Spring;51(1):149–54

Continuous intracoronary nitroglycerin infusion for spasm after angioplasty. Kern KB, et al. **Clin Cardiol** 1983 Dec; 6(12):609–12

Early and late morphologic changes in human coronary arteries after percutaneous transluminal coronary angioplasty. Waller BF. **Clin Cardiol** 1983 Aug;6(8):363–72

Combined use of selective intracoronary thrombolysis and percutaneous transluminal coronary angioplasty for the treatment of coronary obstruction. Keltai M, et al. **Cor Vasa** 1984;26(1):56–60

Regional cardioplegia and cardioprotection during transluminal angioplasty, which role for nifedipine? Serruys PW, et al. **Eur Heart J** 1983 May;4 Suppl C:115–21

Unstable angina pectoris after myocardial infarction. Shay T, et al. **IMJ** 1984 Jul;166(1):27–30

Clinical and functional assessment of the results of coronary angioplasty. Laskey WK, et al. **Int J Cardiol** 1984 Mar; 5(3):313–5

Improvement in regional ventricular function after percutaneous transluminal coronary angioplasty. Weiss AT, et al. **Int J Cardiol** 1984 Mar;5(3):299–311

Blood pressure response to dynamic exercise in adolescents before and after percutaneous transluminal renal artery angioplasty. Sánchez GR, et al. **Int J Pediatr Nephrol** 1983 Dec;4(4):251–4

Renal artery stenosis and evaluation of the effect of endoluminal dilatation. Comparison of dynamic CT scanning and I–131–OIHA renogram. Probst P, et al. **Invest Radiol** 1983 May–Jun;18(3):264–71

Nonsurgical treatment of subclavian steal syndrome by percutaneous transluminal angioplasty. Rubenstein RB, et al. **Iowa Med** 1984 Mar;74(3):109–11

Repeat coronary angioplasty. Meier B, et al. **J Am Coll Cardiol** 1984 Sep;4(3):463–6

Criteria for successful coronary angioplasty as assessed by alterations in coronary vasodilatory reserve. O'Neill WW, et al. **J Am Coll Cardiol** 1984 Jun;3(6):1382–90

Digital subtraction arteriography (DSA) in re–evaluation of angioplasties. Campbell DR, et al. **J Can Assoc Radiol** 1983 Dec;34(4):258–60

Percutaneous transluminal angioplasty in the treatment of ischemic disease of the lower extremity. Ratner SW, et al. **J Foot Surg** 1983 Summer;22(2):86–91

Percutaneous transluminal coronary angioplasty in patients with prior coronary artery bypass grafting. Dorros G, et al. **J Thorac Cardiovasc Surg** 1984 Jan;87(1):17–26

Assessment of percutaneous balloon pulmonary and aortic valvuloplasty. Walls JT, et al. **J Thorac Cardiovasc Surg** 1984 Sep;88(3):352–6

Impotence due to the external iliac steal syndrome treated by percutaneous transluminal angioplasty. Van Unnik JG, et al. **J Urol** 1984 Mar;131(3):544–5

Percutaneous transluminal angioplasty.Council on Scientific Affairs. **JAMA** 1984 Feb 10;251(6):764–8

Future seems promising for coronary angioplasty [news] Gunby P. **JAMA** 1984 Jan 20;251(3):302

Narrowing the PTCA/surgery gap [news] Gunby P. **JAMA** 1984 Jan 20;251(3):302, 309

Investigators widen inquiry into percutaneous angioplasty application [news] Simmons K. **JAMA** 1984 Jan 20; 251(3):301–2

Effect of transluminal coronary recanalization on left ventricular regional wall motion and clinical course in acute myocardial infarction. Nobuyoshi M. **Jpn Circ J** 1984 Jul;48(7):659–69

Clinical experience of percutaneous transluminal coronary angioplasty. Shimizu Y, et al. **Jpn Circ J** 1984 May; 48(5):457–64

Quantitative evaluation of exercise T1–201 myocardial scintigraphy before and after transluminal coronary angioplasty. A preliminary report. Kanemoto N, et al. **Jpn Heart J** 1983 Nov;24(6):891–907

Percutaneous angioplasty for peripheral vascular disease [editorial] **Lancet** 1984 Mar 17;1(8377):606

Relief of pulmonary valve stenosis in first week of life by percutaneous balloon valvuloplasty [letter] Tynan M, et al. **Lancet** 1984 Feb 4;1(8371):273

Percutaneous transluminal coronary angioplasty in Australia. Mews GC. **Med J Aust** 1984 Jun 9;140(12):693–5

Balloon dilatation of coronary arteries. Four years' experience of coronary angioplasty. Valentine PA, et al. **Med J Aust** 1984 Jun 9;140(12):700–5

Transluminal angioplasty for peripheral vascular disease [letter] **N Engl J Med** 1984 Jun 14;310(24):1607–8

Coronary pacing for bradycardia during balloon angioplasty [letter] Meier B. **N Engl J Med** 1984 Sep 20;311(12):800

Percutaneous transluminal renal angioplasty in renovascular hypertension [letter] Strauss MH, et al. **N Engl J Med** 1984 Feb 2;310(5):322–3

Percutaneous transluminal dilatation for vascular access. Spinowitz BS, et al. **Nephron** 1983;35(3):201–4

The effect of transluminal dilation of stenosed renal arteries on kidney function. De Jong PE, et al. **Neth J Med** 1983; 26(9):266–70

Delayed reversal of vertebral artery blood flow following percutaneous transluminal angioplasty for subclavian steal syndrome. Ringelstein EB, et al. **Neuroradiology** 1984; 26(3):189–98

Intraluminal dilatation of the innominate artery before extracranial–intracranial bypass: case report. Garrido E, et al. **Neurosurgery** 1983 Nov;13(5):581–3

Acute traumatic vertebral arteriovenous fistula: balloon occlusion with the use of a contralateral approach. Miller RE, et al. **Neurosurgery** 1984 Feb;14(2):225–9

Percutaneous transluminal coronary angioplasty: experience with 75 cases (part II). Lach RD, et al. **Ohio State Med J** 1983 Aug;79(8):619–25

Coronary angioplasty. A procedure that has 'come of age'. Hollman J. **Postgrad Med** 1984 May;75(6):137–51

Transluminal coronary angioplasty immediately after intracoronary streptolysis in acute myocardial infarction. Erbel R, et al. **Postgrad Med J** 1983;59 Suppl 3:91–4

Percutaneous transluminal coronary angioplasty in patients with unstable angina. Erbel R, et al. **Postgrad Med J** 1983; 59 Suppl 3:22–5

Percutaneous angioplasty for treatment of renovascular hypertension. Dal Canton A, et al. **Proc Eur Dial Transplant Assoc** 1983;20:582–6

Interventional angiography of the renal fossa. Eckstein MR, et al. **Radiol Clin North Am** 1984 Jun;22(2):381–92 (54 ref.)

Aspirin inhibition of platelet deposition at angioplasty sites: demonstration by platelet scintigraphy. Cunningham DA, et al. **Radiology** 1984 May;151(2):487–90

Percutaneous recanalization of an occluded renal artery and delayed ethanol ablation of the kidney resulting in control of hypertension. Denny DF, et al. **Radiology** 1984 May; 151(2):381–2

Transluminal angioplasty: a mechanical–pathophysiological correlation of its physical mechanisms. Kinney TB, et al. **Radiology** 1984 Oct;153(1):85–9

Percutaneous transluminal angioplasty of aortic graft stenoses. Mitchell SE, et al. **Radiology** 1983 Nov; 149(2):439–44

Streptokinase and transluminal angioplasty in the treatment of acutely thrombosed hemodialysis access fistulas. Rodkin RS, et al. **Radiology** 1983 Nov;149(2):425–8

Percutaneous transluminal angioplasty of the iliac arteries: intravenous digital subtraction angiography for follow–up. Schwarten DE. **Radiology** 1984 Feb;150(2):363–7

Percutaneous transluminal angioplasty of the renal arteries: intravenous digital subtraction angiography for follow-up. Schwarten DE. **Radiology** 1984 Feb;150(2):369–73

Percutaneous transluminal angioplasty for pediatric renovascular hypertension. Stanley P, et al. **Radiology** 1984 Oct;153(1):101–4

Percutaneous transluminal angioplasty of the renal artery. Results and long-term follow-up. Tegtmeyer CJ, et al. **Radiology** 1984 Oct;153(1):77–84

Percutaneous transluminal angioplasty following endarterectomy. Tisnado J, et al. **Radiology** 1984 Aug; 152(2):361–4

Percutaneous transluminal angioplasty of the aorta. Light and electron microscopic observations in normal and atherosclerotic rabbits. Zollikofer CL, et al. **Radiology** 1984 May;151(2):355–63

Prostaglandins and angioplasty. An experimental study in canine arteries. Zollikofer CL, et al. **Radiology** 1983 Dec; 149(3):681–5

Percutaneous transluminal coronary angioplasty. A review of the literature. Przybojewski JZ, et al. **S Afr Med J** 1984 Jan 25;Spec No:1–22 (236 ref.)

Effects of percutaneous transluminal angioplasty on renal plasma flow. Teates CD, et al. **Semin Nucl Med** 1983 Jul; 13(3):245–57

Subclavian steal: treatment with percutaneous transluminal angioplasty. Bean WJ, et al. **South Med J** 1984 Aug; 77(8):1044–6

Percutaneous transluminal angioplasty. The radiologist's contribution to the treatment of vascular disease. Wilson AR, et al. **Surg Clin North Am** 1984 Feb;64(1):121–50 (209 ref.)

A physical measurement of the mechanisms of transluminal angioplasty. Chin AK, et al. **Surgery** 1984 Feb; 5 (2):196–201

[The role of transluminal angioplasty in vascular surgery (editorial)] du Toit DF, et al. **S Afr Med J** 1984 Aug 4; 66(5):162 **(Afr)**

[Intracoronary thrombolysis. Percutaneous transluminal coronary angioplasty] Türnovska R. **Vutr Boles** 1984; 23(2):21–30 **(Bul)**

[Experience with percutaneous transluminal angioplasty of renal arteries (PTRA)] Stříbrná J, et al. **Cas Lek Cesk** 1983 Dec 30;122(52):1616–9 (Eng. Abstr.) **(Cze)**

[Nontraumatic functional vascular exploration in the monitoring of the treatment of obliterative arteriopathies of the lower limbs treated by percutaneous endoluminal angioplasty] Bailliart O, et al. **Acta Belg Med Phys** 1983 Jul–Sep;6(3):127–33 **(Fre)**

[Digital angiography and percutaneous endoluminal angioplasty] Pernes JM, et al. **Acta Belg Med Phys** 1983 Jul–Sep;6(3):81–4 **(Fre)**

[Value of functional vascular study during endoluminal angioplasty in patients with obliterative arteriopathy of the legs] Martineaud JP, et al. **Ann Cardiol Angeiol (Paris)** 1984 Feb–Mar;33(2):75–81 (Eng. Abstr.) **(Fre)**

[Results of coronary transluminal angioplasty following Prinzmetal's angina or fixed stenosis with associated spasm] Cherrier F, et al. **Arch Mal Coeur** 1984 Jul;77(7):800–5 (Eng. Abstr.) **(Fre)**

[Coronary artery angioplasty. The surgeon's point of view] Fournial G, et al. **Arch Mal Coeur** 1983 Aug;76(8):859–63 (Eng. Abstr.) **(Fre)**

[A comparative study of percutaneous transluminal angioplasty of the iliac and femoropopliteal arteries in arterial disease of the lower extremities] Glock Y, et al. **Can J Surg** 1984 Jul;27(4):361–4 (Eng. Abstr.) **(Fre)**

[De novo angina with obliteration of the proximal anterior interventricular artery. Treatment by angioplasty during coronarography (letter)] Gaspard P, et al. **Presse Med** 1984 Jul 14–21;13(29):1792 **(Fre)**

[Percutaneous endoluminal coronary dilatation. Value in the acute period of infarction (letter)] Grollier G, et al. **Presse Med** 1984 Mar 24;13(12):740–1 **(Fre)**

[Transcutaneous angioplasty of a pulmonary valve stenosis (letter)] Matina D, et al. **Presse Med** 1984 Jul 14–21; 13(29):1786 **(Fre)**

[Theoretical probability of transluminal angioplasty of coronary vessels in 1984 (letter)] Pagny JY, et al. **Presse Med** 1984 Jun 2;13(23):1461 **(Fre)**

[Percutaneous endoluminal angioplasty of the supra-aortic arterial trunks. Immediate and remote results] Pernes JM, et al. **Presse Med** 1984 Apr 21;13(17):1075–8 (Eng. Abstr.) **(Fre)**

[A patient treated with intravenous fibrinolysis and percutaneous transluminal angioplasty following myocardial infarct] Dubois C, et al. **Rev Med Liege** 1983 Nov 15;38(22):848–54 **(Fre)**

[Percutaneous transluminal angioplasty in patients with recurrent angina following aorto-coronary bypass] Morin D, et al. **Schweiz Med Wochenschr** 1983 Nov 12; 113(45):1658–60 (Eng. Abstr.) **(Fre)**

[Catheter dilatation of coronary artery stenosis. 2 years' experience] Leisch F, et al. **Acta Med Austriaca** 1984; 11(1):13–6 (Eng. Abstr.) **(Ger)**

[Percutaneous transluminal angioplasty of the lower extremities in the elderly] Creutzig A, et al. **Dtsch Med Wochenschr** 1983 Oct 14;108(41):1543–6 (Eng. Abstr.) **(Ger)**

[Results of transluminal coronary dilatation] Meier B, et al. **Dtsch Med Wochenschr** 1984 Apr 27;109(17):675–7 **(Ger)**

[Indications for transluminal coronary dilatation] Meier B, et al. **Dtsch Med Wochenschr** 1984 Apr 27;109(17):673–5 **(Ger)**

[Coronary vessel dilatation using guided balloon catheters. Experiences with the first 100 dilatations in stable and unstable angina pectoris] von Essen R, et al. **Dtsch Med Wochenschr** 1984 Apr 27;109(17):651–5 (Eng. Abstr.) **(Ger)**

[Percutaneous transluminal angioplasty of carotid stenoses] Freitag G, et al. **ROFO** 1984 Feb;140(2):209–12 (Eng. Abstr.) **(Ger)**

[Intraoperative transluminal angioplasty in subclavian steal syndrome, an alternative to vascular surgery?] Mondt H, et al. **Vasa** 1984;13(1):47–51 (Eng. Abstr.) **(Ger)**

[Selective intracoronary lysis and transluminal coronary dilation as an immediate measure in acute myocardial infarct] Meyer J, et al. **Verh Dtsch Ges Herz Kreislaufforsch** 1982;48:157–65 **(Ger)**

[Behavior of atheromatous vessel segments during pressure application of 5 kg/cm2 for various periods of time] Walter S, et al. **Z Kardiol** 1984 Jun;73(6):388–92 (Eng. Abstr.) **(Ger)**

[Percutaneous transluminal angioplasty of the lower extremities (editorial)] Engel A, et al. **Harefuah** 1983 Dec 1;105(11):381–2 **(Heb)**

[Balloon dilatation of the coronary arteries (editorial)] Lewis B, et al. **Harefuah** 1983 Feb 15;104(4):154–5 **(Heb)**

[Intraoperative transluminal coronary angioplasty] Safadi T, et al. **Harefuah** 1984 May 15;106(10):456–7 (Eng. Abstr.) **(Heb)**

[Percutaneous transluminal dilatation in the therapy of nephrovascular hypertension] Glorioso N, et al. **Boll Soc Ital Cardiol** 1983 Jun;28(6):539–52 (37 ref.) **(Ita)**

[Angioplasty of the renal arteries. Our experience with a 12-month follow-up] Simonetti G, et al. **Radiol Med (Torino)** 1983 Sep;69(9):625–31 (Eng. Abstr.) **(Ita)**

[Percutaneous transluminal coronary angioplasty] Mizuno K, et al. **Kokyu To Junkan** 1983 Oct;31(10):1057–62 (63 ref.) **(Jpn)**

[Case of operative transluminal coronary angioplasty (OTCA)] Matsuyama Y, et al. **Kyobu Geka** 1983 Dec; 36(11):876–8 (Eng. Abstr.) **(Jpn)**

[Therapeutic experience of renovascular hypertension by percutaneous transluminal renal angioplasty: study of 3 patients] Nakada T, et al. **Nippon Jinzo Gakkai Shi** 1983 Feb;25(2):189–97 (Eng. Abstr.) **(Jpn)**

[Aortocoronary angioplasty performed at coronary care units] Endo M, et al. **Nippon Rinsho** 1983 Dec; 41(12):2849–57 **(Jpn)**

[Percutaneous transluminal angioplasty for subclavian steal syndrome] Kodera K, et al. **Rinsho Hoshasen** 1984 Mar; 29(3):409–10 (Eng. Abstr.) **(Jpn)**

[Pulmonary balloon valvuloplasty. Report of a case] Fontes VF, et al. **Arq Bras Cardiol** 1983 Jul;41(1):49–52 (Eng. Abstr.) **(Por)**

[X-ray endovascular dilatation of the subclavian artery] Rabkin IKh, et al. **Grudn Khir** 1984 Mar–Apr;(2):76–8 **(Rus)**

[X-ray intravascular dilatation of the renal arteries in renovascular hypertension] Rabkin IKh, et al. **Klin Med (Mosk)** 1984 Jun;62(6):44–50 **(Rus)**

[Use of transluminal coronary angioplasty in ischemic heart disease] Karpov IuA. **Ter Arkh** 1984;56(4):139–46 (97 ref.) **(Rus)**

[Intracoronary thrombolytic therapy and transluminal angioplasty in acute myocardial infarction] Astrozhnikov IuV, et al. **Vestn Khir** 1983 Nov;131(11):135–41 (42 ref.) **(Rus)**

[1st attempt at dilating spastic cerebral arteries in the acute stage of rupture of arterial aneurysms] Zubkov IuN, et al. **Zh Vopr Neirokhir** 1983 Sep–Oct;(5):17–23 (Eng. Abstr.) **(Rus)**

[Transluminal angioplasty with the Grüntzig catheter in aortic coarctation] Pérez Martínez VM, et al. **Rev Esp Cardiol** 1983;36(4):341–4 (Eng. Abstr.) **(Spa)**

[Treatment of renal artery stenosis with percutaneous transluminal angioplasty] Weibull H, et al. **Lakartidningen** 1984 Jan 25;81(4):236–9 **(Swe)**

ADVERSE EFFECTS

Reversible renal insufficiency after percutaneous transluminal angioplasty (PTA) of renal artery stenosis. Weibull H, et al. **Acta Chir Scand** 1984;150(4):295–300

Iliac artery rupture during transluminal angioplasty [letter] Simonetti G. **AJR** 1984 Jun;142(6):1295

Significance of chest pain during percutaneous transluminal coronary angioplasty. Aueron F, et al. **Am Heart J** 1984 Mar;107(3):578–80

Acute coronary occlusion during balloon angioplasty due to intracoronary thrombus and coronary spasm: a reversible complication. Ischinger T, et al. **Am Heart J** 1984 Jun; 107(6):1271–5

Distal embolization of a coronary artery bypass graft atheroma during percutaneous transluminal coronary angioplasty. Aueron F, et al. **Am J Cardiol** 1984 Mar 15; 53(7):953–4

Acute coronary events associated with percutaneous transluminal coronary angioplasty. Cowley MJ, et al. **Am J Cardiol** 1984 Jun 15;53(12):12C–16C

Emergency coronary bypass surgery after coronary angioplasty: the National Heart, Lung, and Blood Institute's Percutaneous Transluminal Coronary Angioplasty Registry experience. Cowley MJ, et al. **Am J Cardiol** 1984 Jun 15; 53(12):22C–26C

Risk of side branch occlusion during coronary angioplasty. Meier B, et al. **Am J Cardiol** 1984 Jan 1;53(1):10–4

The pathologic basis of angioplasty. Castaneda-Zuniga WR, et al. **Angiology** 1984 Apr;35(4):195–205

Pathomorphology of the arterial wall following transluminal recanalization. Light and electron microscopic study. Mohácsy J, et al. **Ann Radiol (Paris)** 1984 Apr–May; 27(4):357–60

Management of angioplasty complications, unsuccessful procedures and early and late failures. Samson RH, et al. **Ann Surg** 1984 Feb;199(2):234–40

Distal coronary artery dissection following percutaneous transluminal coronary angioplasty. Murphy DA, et al. **Ann Thorac Surg** 1984 Jun;37(6):473–8

Restenosis following transluminal angioplasty in experimental atherosclerosis. Faxon DP, et al. **Arteriosclerosis** 1984 May–Jun;4(3):189–95

'Pseudo' intramural injection following percutaneous transluminal angioplasty. Castaneda-Zuniga WR, et al. **Cardiovasc Intervent Radiol** 1984;7(2):104–8

Coronary angioplasty: causes of failure and primary success [letter] Büchler JR. **Cathet Cardiovasc Diagn** 1983; 9(6):623–4

Left main coronary artery stenosis: a possible complication of transluminal coronary angioplasty. Graf RH, et al. **Cathet Cardiovasc Diagn** 1984;10(2):163–6

Cardiac complications in vascular procedures: comparison of percutaneous angioplasty and surgery. Mohr R, et al. **Cathet Cardiovasc Diagn** 1983;9(4):339–43

Distal coronary artery injury following successful percutaneous transluminal coronary angioplasty. Schweiger MJ, et al. **Cathet Cardiovasc Diagn** 1984; 10(2):183–8

Acute occlusion after percutaneous transluminal coronary angioplasty—a new approach. Hollman J, et al. **Circulation** 1983 Oct;68(4):725–32

Transient acute ischaemic episodes during or immediately after percutaneous transluminal coronary angioplasty. Danchin N, et al. **Eur Heart J** 1984 May;5(5):362–5

Failure of balloon membranotomy of the inferior vena cava. Bar-Meir S, et al. **Isr J Med Sci** 1984 Jul;20(7):618–21

Coronary artery spasm at the site of angioplasty in the first 2 months after successful percutaneous transluminal coronary angioplasty. Hollman J, et al. **J Am Coll Cardiol** 1983 Dec;2(6):1039–45

Surgical management of acute myocardial ischemia following percutaneous transluminal coronary angioplasty. Role of the intra-aortic balloon pump. Murphy DA, et al. **J Thorac Cardiovasc Surg** 1984 Mar;87(3):332–9

Evaluation of arterial injury due to balloon angioplasty by 111In-labelled platelets. Kadir S, et al. **Nuklearmedizin** 1983 Dec;22(6):324–8

Restenosis of the renal artery after percutaneous transluminal renal angioplasty: an inevitable outcome? Kuiper KJ, et al. **Proc Eur Dial Transplant Assoc** 1983;20:538–45

Percutaneous embolectomy by transcatheter aspiration. Work in progress. Sniderman KW, et al. **Radiology** 1984 Feb; 150(2):357–61

[Pathomorphological changes after percutaneous transluminal angioplasty. Case report] Fröhlich H, et al. **ROFO** 1984 Jun;140(6):726–8 **(Ger)**

[Complications of percutaneous transluminal angioplasty (PTA)] Zühlke HV, et al. **Zentralbl Chir** 1984;109(7):449–58 (Eng. Abstr.) **(Ger)**

[Pathomorphology of the vascular wall following transluminal angioplasty. Light- and electron microscopic studies] Bodrog I, et al. **Morphol Igazsagugyi Orv Sz** 1984 Jan;24(1):23–9 (Eng. Abstr.) **(Hun)**

ECONOMICS

Relative cost of coronary angioplasty and bypass surgery in a one-vessel disease model. Jang GC, et al. **Am J Cardiol** 1984 Jun 15;53(12):52C–55C

The cost of underutilization. Percutaneous transluminal angioplasty for peripheral vascular disease. Doubilet P, et al. **N Engl J Med** 1984 Jan 12;310(2):95–102

[Socioeconomic benefits of coronary dilatation] Boulay F, et al. **Arch Mal Coeur** 1984 Apr;77(4):426–32 (Eng. Abstr.) **(Fre)**

INSTRUMENTATION

Improved balloon catheters for large-vessel and valvular angioplasty. Mitchell SE, et al. **AJR** 1984 Mar;142(3):571–2

Intraoperative coronary artery balloon-catheter dilatation. Fogarty TJ, et al. **Am Heart J** 1984 Apr;107(4):845–51

Current status of dilatation catheters and guiding systems. Fogarty TJ, et al. **Am J Cardiol** 1984 Jun 15; 53(12):97C–101C

Current status of dilatation catheters and guiding systems. Gruentzig AR, et al. **Am J Cardiol** 1984 Jun 15; 53(12):92C–93C

Advances in guidewire technology. McAuley BJ, et al. **Am J Cardiol** 1984 Jun 15;53(12):94C–96C

Equipment choices, technical aspects and pitfalls of percutaneous transluminal angioplasty. Levin DC, et al. **Cardiovasc Intervent Radiol** 1984;7(1):1–10

Transcatheter laser dissolution of human atherosclerotic

plaques: a model for testing catheters and techniques. Gessman L, et al. **Cathet Cardiovasc Diagn** 1984;10(1):47–54

Angioplasty catheter communication mimicking coronary arterial dissection. Kern MJ, et al. **Cathet Cardiovasc Diagn** 1983;9(4):401–5

Laser angioplasty: effects on coronary artery stenosis [letter] Geschwind H, et al. **Lancet** 1983 Nov 12;2(8359):1134

A modified catheter for transluminal angioplasty of the femoropopliteal artery. Barth KH. **Radiology** 1983 Nov; 149(2):598–9

A new deflector handle for catheter exchange. Hawkins IF Jr, et al. **Radiology** 1984 Jul;152(1):227

Balloon–inflation device. The inflation helix. Salomonowitz E, et al. **Radiology** 1984 Feb;150(2):587–8

[Transluminal coronary dilatation] Seidel F, et al. **Fortschr Med** 1983 Dec 1;101(45):2065–9 (Eng. Abstr.) **(Ger)**

[Transluminal coronary dilatation today] Meier B, et al. **Praxis** 1983 Sep 20;72(38):1204–8 (Eng. Abstr.) **(Ger)**

[Improved access to the superficial femoral artery in PTA using a Tuohy cannula] Sepehr MH, et al. **ROFO** 1984 Feb;140(2):212–4 (Eng. Abstr.) **(Ger)**

[Technic, risks, early and late results following catheter dilatation of coronary vessel stenoses] Kaltenbach M, et al. **Verh Dtsch Ges Herz Kreislaufforsch** 1982;48:174–9 **(Ger)**

[Percutaneous transluminal vasodilatation. Long–term results and report on experiences with a new system of catheters: transaxillary technic] Olbert F, et al. **Wien Klin Wochenschr** 1983 Aug 5;95(15):528–36 (Eng. Abstr.) **(Ger)**

[Safer use of the Grüntzing balloon catheter with automatic pressure control] Horváth L, et al. **Orv Hetil** 1984 Apr 29;125(18):1069–71 (Eng. Abstr.) **(Hun)**

[Renal angioplasty with Levin catheter] Lee K, et al. **Rinsho Hoshasen** 1983 Sep;28(9):997–1000 (Eng. Abstr.) **(Jpn)**

METHODS

Balloon catheter technique for dilatation of constricted cerebral arteries after aneurysmal SAH. Zubkov YN, et al. **Acta Neurochir (Wien)** 1984;70(1–2):65–79

Fifty cases of elective nephrolithotomy. An analysis of the technique, results and complications. Wickham JE, et al. **Acta Urol Belg** 1983;51(4):429–34

Angioplasty of subclavian artery stenosis proximal to the vertebral origin. Damuth HD Jr, et al. **AJNR** 1983 Nov–Dec;4(6):1239–42

Percutaneous transluminal coronary angioplasty: current procedure and future direction. Hall D, et al. **AJR** 1984 Jan;142(1):13–6

Intraoperative balloon–catheter dilatation: University of Florida experience. Faro RS, et al. **Am Heart J** 1984 Apr; 107(4):841–4

Intraoperative balloon–catheter dilatation in the treatment of coronary artery disease. Jones EL, et al. **Am Heart J** 1984 Apr;107(4):836–7

Higher balloon dilatation pressure in coronary angioplasty. Meier B, et al. **Am Heart J** 1984 Apr;107(4):619–22

Experience with operative transluminal balloon–catheter dilatation of the coronary arteries. Mills NL, et al. **Am Heart J** 1984 Apr;107(4):838–40

Intraoperative retrograde balloon–catheter dilatation to augment myocardial revascularization. Ross AM, et al. **Am Heart J** 1984 Apr;107(4):851–5

Adjunctive operative coronary artery balloon–catheter dilatation: review of Lenox Hill experience. Wallsh E, et al. **Am Heart J** 1984 Apr;107(4):856–8

Percutaneous angioplasty of stenoses of bypass grafts or of bypass graft anastomotic sites. Block PC, et al. **Am J Cardiol** 1984 Mar 1;53(6):666–8

Complex coronary angioplasty: multiple coronary dilatations. Dorros G, et al. **Am J Cardiol** 1984 Jun 15; 53(12):126C–130C

Transluminal angioplasty of aortic coarctation with a two–balloon technique. D'Souza VJ, et al. **Am J Cardiol** 1984 Aug 1;54(3):457–8

Percutaneous transluminal coronary angioplasty for stenosis of the ostium of the right coronary artery after irradiation for Hodgkin's disease. Nakhjavan FK, et al. **Am J Cardiol** 1984 Jan 15;53(2):341–2

Efficacy of adjunctive dextran during percutaneous transluminal coronary angioplasty. Swanson KT, et al. **Am J Cardiol** 1984 Aug 1;54(3):447–8

Percutaneous transluminal dilatation and recanalization: long–term results and report on experience with a new catheter system. Olbert F, et al. **Ann Radiol (Paris)** 1984 Apr–May;27(4):349–56

Percutaneous transluminal coronary angioplasty: an added modality for the treatment of the patient with coronary heart disease. Iannone LA, et al. **Boll Soc Ital Cardiol** 1983 Jul;28(7):625–33

The brachial artery method to peripheral transluminal angioplasty. Dorros G. **Cathet Cardiovasc Diagn** 1984; 10(2):115–27

Transluminal coronary angioplasty: comparison of brachial and femoral artery methods. Dorros G, et al. **Cathet Cardiovasc Diagn** 1983;9(6):547–52

Percutaneous transluminal coronary angioplasty in multivessel disease. Hartzler GD. **Cathet Cardiovasc Diagn** 1983;9(6):537–41

Transluminal angioplasty of occluded coronary arteries: use of a movable guide wire system. Dervan JP, et al. **Circulation** 1983 Oct;68(4):776–84

Percutaneous transluminal balloon valvuloplasty for pulmonary valve stenosis. Kan JS, et al. **Circulation** 1984 Mar;69(3):554–60

Percutaneous transluminal angioplasty of stenotic lesions in dialysis vascular accesses. Gaux JC, et al. **Eur J Radiol** 1983 Aug;3(3):189–93

Percutaneous transluminal coronary angioplasty. Khalilullah M, et al. **Indian Heart J** 1984 Mar–Apr;36(2):127–32

Percutaneous transluminal angioplasty in peripheral vascular disease. Legge D. **Ir Med J** 1984 Mar;77(3):85–7

Renal angioplasty. Legge D. **Ir Med J** 1984 Apr;77(4):115–6

Transluminal carbon dioxide–laser catheter angioplasty for dissolution of atherosclerotic plaques. Eldar M, et al. **J Am Coll Cardiol** 1984 Jan;3(1):135–7

Angioplasty in total coronary artery occlusion. Holmes DR Jr, et al. **J Am Coll Cardiol** 1984 Mar;3(3):845–9

Peripheral vascular disease. Briggs SE. **J Ky Med Assoc** 1983 Sep;81(9):711–4

Technique and results of operative transluminal angioplasty in 81 consecutive patients. Mills NL, et al. **J Thorac Cardiovasc Surg** 1983 Nov;86(5):689–96

Percutaneous transluminal angioplasty of the renal arteries. Levin DC. **JAMA** 1984 Feb 10;251(6):759–63

Percutaneous transluminal laser angioplasty in man [letter] Geschwind H, et al. **Lancet** 1984 Apr 14;1(8381):844

Percutaneous transluminal coronary angioplasty. **Med Lett Drugs Ther** 1983 Oct 28;25(647):97–8

Percutaneous transluminal coronary angioplasty: a review of the initial Army experience. Zumbrun SR, et al. **Milit Med** 1984 May;149(5):288–92

Transvenous double–balloon occlusion of the persistent ductus arteriosus: an experimental study. Warnecke I, et al. **Pediatr Cardiol** 1984 Apr–Jun;5(2):79–83

Percutaneous transluminal angioplasty: development, technique, and application. O'Neill DM. **Radiol Technol** 1984 Jan–Feb;55(3):10–7 (20 ref.)

Dialysis access fistulas: treatment of stenoses by transluminal angioplasty. Glanz S, et al. **Radiology** 1984 Sep; 152(3):637–42

Percutaneous transluminal dilatation. A realistic appraisal in patients with stenosing lesions of the renal artery. Flechner SM. **Urol Clin North Am** 1984 Aug;11(3):515–27 (77 ref.)

The current role of renal angioplasty in the treatment of renovascular hypertension. Sos TA, et al. **Urol Clin North Am** 1984 Aug;11(3):503–13 (34 ref.)

The mechanism of transluminal angioplasty. Block PC. **Verh Dtsch Ges Herz Kreislaufforsch** 1982;48:180–1

Improved ischemic tolerance during percutaneous transluminal coronary angioplasty by intracoronary injection of nitroglycerin. Erbel R, et al. **Z Kardiol** 1983; 72 Suppl 3:71–3

[I.V. digital subtraction angiography in percutaneous transluminal angioplasty of arterial stenosis in a transplanted kidney] De Schepper A, et al. **J Belge Radiol** 1983;66(4):301–4 (Eng. Abstr.) **(Dut)**

[Some comments apropos of 120 cases of transluminal coronary angioplasty] Cherrier F, et al. **Arch Mal Coeur** 1984 Mar;77(3):235–44 (Eng. Abstr.) **(Fre)**

[Immediate angioplasty during the acute phase of myocardial infarction. An alternative to intracoronary thrombolysis (letter)] Sainsous J, et al. **Presse Med** 1984 Mar 3; 13(9):562–3 **(Fre)**

[3 years' experience with intraoperative transluminal angioplasty—a retrospective study] Rendl KH, et al. **Langenbecks Arch Chir** 1983;360(4):295–301 (Eng. Abstr.) **(Ger)**

[Analog puncture in angioplasty of high iliac occlusion] Deimer E, et al. **ROFO** 1984 May;140(5):613–4 **(Ger)**

[Recanalization of an occluded renal artery by local thrombolysis and transluminal dilatation] Persigehl M, et al. **ROFO** 1983 Nov;139(5):571–2 **(Ger)**

[Vascular recanalization procedure in interventional neuroradiology] Zeumer H, et al. **ROFO** 1983 Nov; 139(5):467–75 (Eng. Abstr.) **(Ger)**

[Non–operative treatment of infrarenal aortic stenoses by catheter dilation] Ingrisch H, et al. **Rontgenpraxis** 1983 Nov;36(11):363–7 **(Ger)**

[Selective intracoronary lysis as a technical procedure] Rutsch W. **Verh Dtsch Ges Herz Kreislaufforsch** 1982; 48:143–8 **(Ger)**

[PTCR(percutaneous transluminal coronary angioplasty)—technical problems] Nobuyoshi M, et al. **Kokyu To Junkan** 1984 Apr;32(4):369–73 **(Jpn)**

[Effects of percutaneous transluminal coronary recanalization in acute myocardial infarction] Yasuno M, et al. **Kokyu To Junkan** 1984 Jan;32(1):79–84 (Eng. Abstr.) **(Jpn)**

[Percutaneous transluminal coronary angioplasty (PTCA)] Aizawa T, et al. **Nippon Rinsho** 1983 Dec;41(12):2840–8 **(Jpn)**

[Interventional angiography: present status and prospects] Kodera K, et al. **Nippon Rinsho** 1983 Jul;41(7):1681–97 **(Jpn)**

[Angiography of the kidney and adrenal gland, with special reference to embolization and angioplasty] Hiramatsu K, et al. **Rinsho Hoshasen** 1983 Oct;28(11 Suppl):1259–75 **(Jpn)**

[A case report of Budd–Chiari syndrome treated by percutaneous transluminal angioplasty] Sawada S, et al. **Rinsho Hoshasen** 1984 Jan;29(1):151–4 (Eng. Abstr.) **(Jpn)**

[Application of the flexible optic fiberscope to operative transluminal coronary angioplasty] Itaoka T, et al. **Rinsho Kyobu Geka** 1984 Jan;4(1):107–8 (Eng. Abstr.) **(Jpn)**

[Therapeutic use of heart catheterization] Rużyłło W. **Kardiol Pol** 1984;27(1):1–9 **(Pol)**

[Percutaneous transluminal angioplasty] Rużyłło W. **Kardiol Pol** 1983;26(4):369–74 **(Pol)**

[Instrumental dilatation of the coronary arteries] Juszczyński M. **Pol Tyg Lek** 1983 Sep 12;38(37):1149–51 (10 ref.) **(Pol)**

[Initial and late results of transluminal coronary angioplasty. Experience of 3 1/2 years] de Moraes AG, et al. **Arq Bras Cardiol** 1983 Jul;41(1):5–13 (62 ref.) (Eng. Abstr.) **(Por)**

[Roentgenoendovascular dilatation of the coronary arteries] Petrovskiĭ BV, et al. **Khirurgiia (Mosk)** 1983 Dec;(12):8–13 (Eng. Abstr.) **(Rus)**

[Catheter angioplasty in patients with arterial occlusive diseases of the lower limbs] Prokubovskiĭ VI, et al. **Khirurgiia (Mosk)** 1983 Dec;(12):43–7 (Eng. Abstr.) **(Rus)**

[Roentgenoendovascular valvuloplasty of isolated pulmonary stenosis by balloon dilatation] Rabkin Kh, et al. **Khirurgiia (Mosk)** 1984 Jun;(6):91–3 **(Rus)**

[Endovascular balloon dilatation in the treatment of atherosclerotic lesions of the iliac artery] Belichenko IA, et al. **Vestn Khir** 1984 May;132(5):48–50 (Eng. Abstr.) **(Rus)**

[Indications for endovascular dilatation in arterial occlusive diseases of the limbs] Savel'ev VS, et al. **Vestn Khir** 1984 May;132(5):43–8 (Eng. Abstr.) **(Rus)**

MORTALITY

In–hospital mortality rate in the National Heart, Lung, and Blood Institute Percutaneous Transluminal Coronary Angioplasty Registry. Dorros G, et al. **Am J Cardiol** 1984 Jun 15;53(12):17C–21C

TRENDS

Current clinical topics: potential future uses for percutaneous transluminal coronary angioplasty. Rapaport E. **Am J Cardiol** 1984 Jun 15;53(12):136C–137C

ANGIOSARCOMA

[Angiosarcoma of the breast. Report of a case] Taccagni GL, et al. **Pathologica** 1983 Mar–Apr;75(1036):271–8 (Eng. Abstr.) **(Ita)**

ANALYSIS

Distribution of endothelial and basement membrane markers in angiogenic tumors of the nervous system. Böhling T, et al. **Acta Neuropathol (Berl)** 1983;62(1–2):67–72

Progesterone receptor proteins in cerebellar hemangioblastoma [letter] Vaquero J, et al. **Surg Neurol** 1984 Jan;21(1):99

[Glial fibrillary acidic protein and central nervous system tumors. Immunohistochemical study of a series of 207 cases. 2: Medulloblastomas. Hemangioblastomas. Other tumors. Discussion] Pasquier B, et al. **Ann Pathol** 1983 Sep; 3(3):203–11 (Eng. Abstr.) **(Fre)**

[Immunohistochemical studies of hemangioblastoma with glial fibrillary acidic protein] Mannoji H, et al. **No To Shinkei** 1983 Dec;35(12):1207–16 (Eng. Abstr.) **(Jpn)**

CHEMICALLY INDUCED

Two cases of liver angiosarcoma among polyvinyl chloride (PVC) extruders of an Italian factory producing PVC bags and other containers. Maltoni C, et al. **Am J Ind Med** 1984; 5(4):297–302

Vinylchloride induced hepatic angiosarcoma. Louagie YA, et al. **Br J Surg** 1984 Apr;71(4):322–3

Carcinogenesis in rats by nitrosodimethylamine and other nitrosomethylalkylamines at low doses. Lijinsky W, et al. **Cancer Lett** 1984 Feb;22(1):83–8

Leads from the MMWR. Porphyria cutanea tarda and sarcoma in a worker exposed to 2,3,7,8–tetrachlorodibenzodioxin–Missouri. **JAMA** 1984 Mar 23–30;251(12):1534, 1537

Porphyria cutanea tarda and sarcoma in a worker exposed to 2, 3, 7, 8–tetrachlorodibenzodioxin—Missouri. **MMWR** 1984 Mar 2;33(8):113–4

[Angiosarcoma of the liver after short–term arsenic therapy] Kádas I, et al. **Morphol Igazsagugyi Orv Sz** 1984 Apr; 24(2):136–40 (Eng. Abstr.) **(Hun)**

COMPLICATIONS

The pathophysiology of neurofibromatosis. II. Angiosarcoma as a complication. Riccardi VM, et al. **Cancer Genet Cytogenet** 1984 Jul;12(3):275–80

Tuberous sclerosis: unusual associations in four cases. Ilgren EB, et al. **J Clin Pathol** 1984 Mar;37(3):272–8

Orthostatic hypotension with brainstem tumors. Hsu CY, et al. **Neurology (NY)** 1984 Sep;34(9):1137–43

Multiple hemangioblastomas accompanied by syringomyelia in the cerebellum and the spinal cord. Enomoto H, et al.

Surg Neurol 1984 Aug;22(2):197–203
Lindau's disease and familial hyperparathyroidism. Lamont PM, et al. Surg Neurol 1984 Jul;22(1):36–8
[Spinal hemangioblastoma in infants with dysraphic malformation of the CNS] Stern J, et al. Helv Paediatr Acta 1983 Dec;38(5–6):523–32 (Eng. Abstr.) (Ger)

DIAGNOSIS

Intracytoplasmic vacuoles as clues to the diagnosis of vascular proliferations. Trau H, et al. Am J Dermatopathol 1983 Dec;5(6):585–90
Angiosarcoma of the heart. Unusual presentation and survival after treatment. Sørlie D, et al. Br Heart J 1984 Jan; 51(1):94–7
Angiosarcoma of heart and lungs. Shah SP, et al. J Assoc Physicians India 1983 Jun;31(6):385–7
Angiosarcoma of the heart: report of a case in a 9-year-old boy. Marni E, et al. Med Pediatr Oncol 1983;11(5):336–8
Hemangiosarcoma of the thyroid gland. Histological diagnosis problems. Hălălău F, et al. Morphol Embryol (Bucur) 1983 Jul–Sep;29(3):195–6
Angiosarcoma of the spleen in the case of a 75-year-old female patient. Hadnagy C, et al. Z Gerontol 1983 Jul–Aug; 16(4):190
[Diagnosis of heart tumors. Angiosarcoma of the heart – clinical study using as an example intravital diagnosis of a case] Luther M, et al. Fortschr Med 1984 Jan 26; 102(4):63–6 (Eng. Abstr.) (Ger)
[Cytologic differential diagnostic criteria for the principal types of soft tissue sarcoma] Sil'chenko SA, et al. Lab Delo 1983;(8):17–20 (Eng. Abstr.) (Rus)
[Stroke-like course of brain tumors] Gurova EP, et al. Zh Nevropatol Psikhiatr 1984;84(5):650–4 (Eng. Abstr.) (Rus)
[False pericardial effusion caused by mediastinal hemangiosarcoma (letter)] Codinach Huix P, et al. Med Clin (Barc) 1984 May 12;82(18):823 (Spa)
[Hepatic angiosarcoma: report of a new case (letter)] Piñas I, et al. Med Clin (Barc) 1983 Oct 1;81(9):411–2 (Spa)

ETIOLOGY

Angiosarcoma in irradiated post-mastectomy chest wall. Davies JD, et al. Histopathology 1983 Nov;7(6):947–56
Angiosarcoma in primary lymphedema of the lower extremity—Stewart-Treves syndrome. Schmitz-Rixen T, et al. Lymphology 1984 Jun;17(2):50–3
[Hepatic angiosarcoma. Correlation with environmental and occupational factors and histogenetic problems] Pollice L, et al. Recenti Prog Med 1983 Oct;74(10):1186–1208 (Eng. Abstr.) (Ita)
[Proliferative lesions in thorotrast-deposited livers pertaining to the development of primary cancers] Tateno H, et al. Gan No Rinsho 1984 Jan;30(1):23–34 (Eng. Abstr.) (Jpn)

PATHOLOGY

Angioendotheliosarcoma of the nose—a case report. Waersted A, et al. Acta Derm Venereol (Stockh) 1984; 64(1):88–90
Incipient hemangioblastoma of the optic disk [letter] Imes RK, et al. Am J Ophthalmol 1984 Jul 15;98(1):116
Angiosarcoma. Fechner RE. Arch Otolaryngol 1984 Jul; 110(7):486–7, 489
Angiosarcomas in hamsters after inoculation of brain tissue from a case of progressive multifocal leukoencephalopathy. Brun A, et al. Cancer 1984 Apr 15;53(8):1714–7
Angiosarcoma of the breast. Hacking EA, et al. Clin Oncol 1984 Jun;10(2):177–80
The so-called intravascular bronchioloalveolar tumour of lung (low grade sclerosing angiosarcoma): presentation with extrapulmonary deposits. Corrin B, et al. Diagn Histopathol 1983 Jul–Dec;6(3–4):229–37
Primary angiosarcoma of the mediastinum: light and electron microscopic demonstration of Factor VIII–related antigen in neoplastic cells. Gibbs AR, et al. Hum Pathol 1984 Jul; 15(7):587–91
Hemangioblastoma of the central nervous system: nature of the stromal cells as studied by the immunoperoxidase technique. Tanimura A, et al. Hum Pathol 1984 Sep; 15(9):866–9
von Recklinghausen's disease with angiosarcoma in a child. Prasad SB. J Indian Med Assoc 1983 Oct;81(7–8):138, 142
Von Hippel–Lindau syndrome with microscopic hemangioblastomas of the spinal nerve roots. Case report. Ismail SM, et al. J Neurosurg 1984 Jun;60(6):1279–81
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 43–1983. An elderly man with progressive pain and swelling of the knee. N Engl J Med 1983 Oct 27;309(17):1042–9
Hemangioblastoma of the third ventricle. Loftus CM, et al. Neurosurgery 1984 Jul;15(1):67–72
Post-mastectomy angiosarcoma: case report and review of the literature. Smith L, et al. Tex Med 1984 Jul;80(7):43–4 (5 ref.)
[Hemangioblastoma—clinicopathologic and ultrastructural study of 22 cases] Mi C. Chung Hua Chung Liu Tsa Chih 1983 Nov;5(6):417–20 (Eng. Abstr.) (Chi)
[Hemangiosarcoma of the scalp] Haustein UF, et al. Hautarzt 1983 Oct;34(10):515–7 (Eng. Abstr.) (Ger)
[Primary angiosarcoma of the heart—3 case reports and a review of the literature] Gonska BD, et al. Z Kardiol 1984 Apr;73(4):273–8 (29 ref.) (Eng. Abstr.) (Ger)
[Cases from edema consultation hours] Von Heyden D. Z Lymphol 1983 Jul;7(1):5–20 (Ger)
[Primary intracranial tumors as cause of death in the fetus and infant] Jänisch W, et al. Zentralbl Allg Pathol 1984; 129(2):75–89 (Eng. Abstr.) (Ger)

RADIOGRAPHY

Simultaneous meningioma and glioma. Difficulties of neuroradiological diagnosis. Report of a case. Arnetoli G, et al. Ital J Neurol Sci 1983 Dec;4(4):481–3
Suprasellar hemangioblastoma. Grisoli F, et al. Surg Neurol 1984 Sep;22(3):257–62
[Malignant mesenchymal liver tumors in the computed tomogram] Köster O, et al. ROFO 1983 Oct;139(4):394–9 (Eng. Abstr.) (Ger)

RADIONUCLIDE IMAGING

Primary hemangiosarcoma of the spleen with angioscintigraphic demonstration of metastases. Hermann GG, et al. Cancer 1984 Apr 15;53(8):1682–5
Gallium-67 uptake in hepatic angiosarcoma. Ackerman L, et al. J Nucl Med 1984 Jun;25(6):677–8

SURGERY

Haemangioblastomas of the posterior cranial fossa. Ferrante L, et al. Acta Neurochir (Wien) 1984;71(3–4):283–94
Vestibulo-oculomotor characteristics in surgically treated patients with cerebellar haemangioblastoma (Lindau tumor). Zangemeister WH, et al. Acta Otolaryngol [Suppl] (Stockh) 1984;406:182–8
Atypical and polymorphic angioblastic tumors of the central nervous system. Fabiani A, et al. Neurosurgery 1983 Sep; 13(3):223–9
[Diagnosis and therapy of cerebellar angioblastomas] Pothe H, et al. Zentralbl Neurochir 1983;44(4):335–42 (Eng. Abstr.) (Ger)
[The Kasabach-Merrit syndrome] Bachiocco V, et al. Minerva Anestesiol 1984 Mar;50(3):77–81 (Eng. Abstr.) (Ita)
[Case of circular resection of the thoracic segment of the trachea for angiofibrosarcoma in an 8-year-old child] Gagua RO, et al. Grudn Khir 1984 May–Jun;(3):81–2 (Rus)
[Operability criteria in extra-organ retroperitoneal tumors of the pelvis] Babadzhanian SS, et al. Khirurgiia (Mosk) 1984 Jun;(6):45–50 (Eng. Abstr.) (Rus)

THERAPY

[Treatment of patients with angiosarcoma] Guzhov VK. Khirurgiia (Mosk) 1984 Jun;(6):37–9 (Eng. Abstr.) (Rus)

ULTRASTRUCTURE

Cutaneous angiosarcoma of the face and scalp. Matejka M, et al. Clin Exp Dermatol 1984 May;9(3):232–42
Epithelioid angiosarcoma of the orbit presenting as Tolosa-Hunt syndrome. A clinicopathologic case report with review of the literature. Messmer EP, et al. Ophthalmology 1983 Dec;90(12):1414–21

VETERINARY

Vascular neoplasia in the skin of horses. Hargis AM, et al. J Am Vet Med Assoc 1984 May 1;184(9):1121–4

ANGIOSTRONGYLUS see under **METASTRONGYLOIDEA**

ANGIOTENSIN see **ANGIOTENSIN II**

ANGIOTENSIN I see under **ANGIOTENSINS**

ANGIOTENSIN II

NMR studies on angictensin II: histidine and phenylalanine ring stacking and biological activity. Matsoukas JM, et al. Biochem Biophys Res Commun 1984 Jul 18;122(1):434–8
The key role of residue 5 in angiotensin II. Fermandjian S, et al. Biopolymers 1983 Jan;22(1):227–31
The effect of binding divalent metal ions on the conformation of human angiotensin-II in solution as probed by nuclear and electron paramagnetic resonance investigations. Basosi R, et al. J Inorg Biochem 1984 Apr;20(4):263–8
[Conformation of angiotensin II] Abillon E. C R Seances Acad Sci [III] 1983;296(19):893–8 (Eng. Abstr.) (Fre)

ADMINISTRATION & DOSAGE

Sodium appetite elicited by intracerebroventricular infusion of angiotensin II in the rat: II. Synergistic interaction with systemic mineralocorticoids. Fluharty SJ, et al. Behav Neurosci 1983 Oct;97(5):746–58
Sodium appetite elicited by intracerebroventricular infusion of angiotensin II in the rat: I. Relation to urinary sodium excretion. Fluharty SJ, et al. Behav Neurosci 1983 Oct; 97(5):738–45
Cerebrospinal fluid pressure during cerebroventricular infusion of angiotensin and vasopressin. Barbella YR, et al. Exp Neurol 1983 Nov;82(2):325–34
Acute local effects of angiotensin II on the intestinal vasculature. Nyhof RA, et al. Hypertension 1984 Jan–Feb; 6(1):13–9
Converting-enzyme inhibition corrects the altered adrenal response to angiotensin II in essential hypertension. Taylor T, et al. Hypertension 1984 Jan–Feb;6(1):92–9
Mechanism of decreased vascular reactivity to angiotensin II in conscious, potassium-deficient rats. Paller MS, et al. J Clin Invest 1984 Jan;73(1):79–86

ANALOGS & DERIVATIVES

Kinase II–dependent formation of angiotensins II and III in the hepatic circulation. Britton SL, et al. Am J Physiol 1983 Nov;245(5 Pt 1):H849–54
Response of rat jejunum to angiotensin III: pharmacology and mechanism of action. Levens NR. Am J Physiol 1983 Oct;245(4):G511–8
The high-performance liquid chromatographic analysis of diastereomers and structural analogs of angiotensins I and II. Margolis SA, et al. Anal Biochem 1983 Oct 1; 134(1):163–9
Angiotensin III–induced dipsogenic and pressor responses in rodents. Wright JW, et al. Behav Neurosci 1984 Aug; 98(4):640–51
Fast atom bombardment mass spectrometry of malic acid analogues of angiotensin II. Theodoropoulos D, et al. Biochem Biophys Res Commun 1983 Sep 15;115(2):653–7
The key role of residue 5 in angiotensin II. Fermandjian S, et al. Biopolymers 1983 Jan;22(1):227–31
Enkephalin inhibition of angiotensin-stimulated release of oxytocin and vasopressin. Keil LC, et al. Brain Res 1984 Apr 16;297(2):329–36
Central angiotensin III–induced dipsogenicity in rats and gerbils. Wright JW, et al. Brain Res 1984 Mar 12; 295(1):121–6
Catecholamine-mediated pressor responses to angiotensin II in the Pekin duck, Anas platyrhynchos. Wilson JX, et al. Gen Comp Endocrinol 1983 Sep;51(3):477–89
Responses of the stenosed and contralateral kidneys to [Sar1, Thr8] AII in human renovascular hypertension. Textor SC, et al. Hypertension 1983 Sep–Oct;5(5):796–804
A potent noncompetitive angiotensin II antagonist induces only competitive inhibition of angiotensin III responses. Trachte GJ, et al. J Cardiovasc Pharmacol 1983 Nov–Dec; 5(6):1025–33
Angiotensin II: dependence of hormone affinity on the electronegativity of a single side chain. Guillemette G, et al. J Med Chem 1984 Mar;27(3):315–20
A cyclic angiotensin antagonist: [1,8-cysteine]angiotensin II. Matsoukas JM, et al. J Med Chem 1984 Mar;27(3):404–6
Reversal by angiotensins II and III of the effects of converting enzyme inhibition on renal electrolyte excretion in rats. Harris PJ, et al. J Physiol (Lond) 1984 Jun; 351:491–500
The effect of the antimineralocorticoid RU 28318 on aldosterone biosynthesis in vitro. Perroteau I, et al. J Steroid Biochem 1984 Apr;20(4A):853–6
Effect of angiotensin III on blood pressure, renin-angiotensin-aldosterone system in normal and hypertensive subjects. Suzuki S, et al. Jpn Heart J 1984 Jan;25(1):75–85
A new approach to angiotensin antagonists: methylation of the tyrosine hydroxyl in angiotensin II. Scanlon MN, et al. Life Sci 1984 Jan 23;34(4):317–21
A comparison of biological effects of three angiotensin II antagonists in sodium depleted hypertensive patients. Ogihara T, et al. Med J Osaka Univ 1983 Sep;34(1–2):21–5
The use of the superfusion approach with rat adrenal capsular cells to compare the steroidogenic potencies of angiotensin analogues, without the effects of peptide degradation. Bell JB, et al. Proc R Soc Lond [Biol] 1984 Mar 22; 221(1222):21–30
Temperature sensitivity of angiotensin-induced inotropic effects. Trachte GJ, et al. Proc Soc Exp Biol Med 1984 Oct;177(1):47–54
Converting-enzyme inhibition and 1-sarcosine-8-isoleucine-angiotensin II: effects on renal function in the dehydrated sheep. Yesberg NE, et al. Q J Exp Physiol 1984 Jan;69(1):133–43
[Comparison of effects of two angiotensin II antagonists on blood pressure, heart rate, plasma renin activity, and plasma aldosterone concentration in the same hypertensive patients] Higuma K, et al. Nippon Jinzo Gakkai Shi 1984 Apr;26(4):425–35 (Eng. Abstr.) (Jpn)

ANALYSIS

Ultrastructural immunocytochemical localization of renin and angiotensin II in the juxtaglomerular cells of the ischemic kidney in experimental renal hypertension. Cantin M, et al. Am J Pathol 1984 May;115(2):212–24
The high-performance liquid chromatographic analysis of diastereomers and structural analogs of angiotensins I and II. Margolis SA, et al. Anal Biochem 1983 Oct 1; 134(1):163–9
Chemical structure of angiotensin in the turtle, Pseudemys scripta. Hasegawa Y, et al. Gen Comp Endocrinol 1984 Jan; 53(1):159–62
Distribution of immunoreactive angiotensin II, angiotensin I, angiotensinogen and renin in the central nervous system of intact and nephrectomized rats. Healy DP, et al. Hypertension 1984 Mar–Apr;6(2 Pt 2):I130–6

Vascular angiotensin II receptors in renal and DOCA-salt hypertensive rats. Schiffrin EL, et al. **Hypertension** 1983 Nov-Dec;5(6 Pt 3):V16-21

ANTAGONISTS & INHIBITORS

Effect of verapamil on renal vasoconstriction induced by angiotensin II, norepinephrine or renal nerve stimulation in anesthetized dogs. Ogawa N, et al. **Arch Int Pharmacodyn Ther** 1984 Mar;268(1):113-21

The calcium antagonists PY 108-068 and verapamil diminish the effects of angiotensin II: sites of interaction in the peripheral circulation of anaesthetized cats. Hof RP. **Br J Pharmacol** 1984 May;82(1):51-60

Clonidine antagonism of angiotensin-related drinking: a central site of action. Fregly MJ, et al. **Brain Res** 1984 Apr 30;298(2):321-7

Enkephalin inhibition of angiotensin-stimulated release of oxytocin and vasopressin. Keil LC, et al. **Brain Res** 1984 Apr 16;297(2):329-36

Trifluoperazine antagonizes inhibition of renin release by angiotensin II. Schwertschlag U, et al. **Clin Exp Pharmacol Physiol** 1983 Sep-Oct;10(5):605-8

Comparative effects of nifedipine and diltiazem on vascular responses to norepinephrine and angiotensin II. Jover B, et al. **Eur Heart J** 1983 Nov;4 Suppl G:21-5

Diltiazem and verapamil: functional antagonism of exogenous noradrenaline and angiotensin II in man. Magometschnigg D, et al. **Eur J Clin Pharmacol** 1984;26(3):303-7

Different antagonist potency of saralasin in acute and chronic angiotensin-dependent hypertension. Mann JF, et al. **Eur J Pharmacol** 1983 Sep 2;92(3-4):207-13

A potent noncompetitive angiotensin II antagonist induces only competitive inhibition of angiotensin III responses. Trachte GJ, et al. **J Cardiovasc Pharmacol** 1983 Nov-Dec; 5(6):1025-33

A cyclic angiotensin antagonist: [1,8-cysteine]angiotensin II. Matsoukas JM, et al. **J Med Chem** 1984 Mar;27(3):404-6

A new approach to angiotensin antagonists: methylation of the tyrosine hydroxyl in angiotensin II. Scanlon MN, et al. **Life Sci** 1984 Jan 23;34(4):317-21

A comparison of biological effects of three angiotensin II antagonists in sodium depleted hypertensive patients. Ogihara T, et al. **Med J Osaka Univ** 1983 Sep;34(1-2):21-5

BIOSYNTHESIS

Kinase II-dependent formation of angiotensins II and III in the hepatic circulation. Britton SL, et al. **Am J Physiol** 1983 Nov;245(5 Pt 1):H849-54

Sodium appetite during captopril blockade of endogenous angiotensin II formation. Moe KE, et al. **Am J Physiol** 1984 Aug;247(2 Pt 2):R356-65

Extrarenal angiotensin-forming enzymes. Genest J, et al. **Clin Exp Hypertens [A]** 1983;5(7-8):1065-80

Local generation of angiotensin in the kidney and in tissue culture. Inagami T, et al. **Clin Exp Hypertens [A]** 1983; 5(7-8):1137-49

Conversion of angiotensin I to angiotensin II and inactivation of bradykinin in canine peripheral vascular beds. Suzuki M, et al. **J Cardiovasc Pharmacol** 1984 Mar-Apr; 6(2):244-50

Angiotensin II synthesis studies in dissociated brain cell cultures. Weyhenmeyer JA, et al. **J Neurochem** 1984 Sep; 43(3):716-23

BLOOD

Relationships between plasma epinephrine, norepinephrine, dopamine and angiotensin II concentrations, renin activity, hemodynamic state and prognosis in acute heart failure. Staroukine M, et al. **Acta Cardiol (Brux)** 1984;39(2):131-8

Renin, renin substrate, angiotensin II, and vasopressin in plasma during treatment with captopril in hypertension and heart failure. Fyhrquist F, et al. **Acta Med Scand [Suppl]** 1983;677:110-4

Adrenergic regulation of renin release and effects on angiotensin and aldosterone. Karlberg BE. **Acta Med Scand [Suppl]** 1983;672:33-40 (60 ref.)

Chemical identity of tryptensin with angiotensin. Arakawa K, et al. **Biochem J** 1980 Jun 1;187(3):647-53

Receptors for angiotensin II on platelets from man. Ding YA, et al. **Clin Sci** 1984 Jun;66(6):725-31

Angiotensin II binding to human mononuclear cells: receptor or free fluid endocytosis? Neyses L, et al. **Clin Sci** 1984 May;66(5):605-12

Levels of renin, angiotensin I and II, angiotensin-converting enzyme and aldosterone in infancy and childhood. Fiselier TJ, et al. **Eur J Pediatr** 1983 Oct;141(1):3-7

Human platelet angiotensin II receptors: regulation by the circulating angiotensin level. Moore TJ, et al. **J Clin Endocrinol Metab** 1984 May;58(5):778-82

Systemic circulatory adjustments to acute hypoxia and reoxygenation in unanesthetized sheep. Role of renin, angiotensin II, and catecholamine interactions. Davidson D, et al. **J Clin Invest** 1984 Feb;73(2):317-28

Role of arginine vasopressin and angiotensin II in cardiovascular responses to combined acute hypoxemia and hypercapnic acidosis in conscious dogs. Rose CE Jr, et al. **J Clin Invest** 1984 Aug;74(2):321-31

Measurement of low angiotensin concentrations after ethanol and Dowex extraction procedures. Nussberger J, et al. **J Lab Clin Med** 1984 Feb;103(2):304-12

[Sar,Ala]angiotensin II in cerebrospinal fluid blocks the binding of blood-borne [125I]angiotensin II to the circumventricular organs. Van Houten M, et al. **Neuroscience** 1983 Dec;10(4):1421-6

Specific angiotensin binding to human blood cells. Mann JF, et al. **Proc Eur Dial Transplant Assoc** 1983;20:562-5

[Typology of renal hypertension according to traditional Chinese medicine and changes of prostaglandins, renin, angiotensin II, and cyclic nucleotides in plasma] Li E. **Chung Hsi I Chieh Ho Tsa Chih** 1983 May;3(3):165-7 (Eng. Abstr.) **(Chi)**

CEREBROSPINAL FLUID

Catecholamines, angiotensin II and sodium concentrations in cerebrospinal fluid in young men with borderline hypertension. Kawano Y, et al. **Clin Exp Hypertens [A]** 1984;6(6):1131-45

CHEMICAL SYNTHESIS

Preparation and one-step purification of mono-125I-angiotensin II for radioligand binding assays. Speth RC, et al. **J Pharmacol Methods** 1984 Apr; 11(2):137-50

DIAGNOSTIC USE

Effects of subpressor doses of angiotensin II on renal haemodynamics at different blood-pressure levels. Ljungman S, et al. **Acta Med Scand [Suppl]** 1983;677:93-6

Dopamine modulates sodium-dependent aldosterone responses to angiotensin II in humans. Drake CR Jr, et al. **Hypertension** 1984 Mar-Apr;6(2 Pt 2):I119-23

Effect of prostaglandin synthetase inhibitors on pressor response to angiotensin II in human pregnancy. Everett RB, et al. **J Clin Endocrinol Metab** 1978 Jun;46(6):1007-10

METABOLISM

Generation and elimination of angiotensins I and II in the kidney, liver and lung. Hesse B, et al. **Acta Med Scand [Suppl]** 1983;677:97-100

Reduced glomerular angiotensin II receptor density in early untreated diabetes mellitus in the rat. Ballermann BJ, et al. **Am J Physiol** 1984 Jul;247(1 Pt 2):F110-6

Effects of blockade of brain angiotensin II receptors in conscious, sodium-deprived dogs. Brooks VL, et al. **Am J Physiol** 1983 Dec;245(6):R881-7

Angiotensin II in neuronal cultures from brains of normotensive and hypertensive rats. Raizada MK, et al. **Am J Physiol** 1984 Jul;247(1 Pt 1):C115-9

Catecholamine-angiotensin II receptor interaction in primary cultures of rat brain. Sumners C, et al. **Am J Physiol** 1984 May;246(5 Pt 1):C502-9

Prostaglandins and blood pressure [letter] Güllner HG. **Ann Intern Med** 1984 Jan;100(1):163-4

Angiotensin II receptors in chromatin fragments generated by micrococcal nuclease. Re RN, et al. **Biochem Biophys Res Commun** 1984 Feb 29;119(1):220-7

Analysis of the adrenal angiotensin II receptor with the photoaffinity labeling method. Guillemette G, et al. **Biochemistry** 1983 Nov 22;22(24):5591-6

Temperature-dependent negative cooperativity among angiotensin II receptors of isolated rat glomeruli. Kitamura E, et al. **Biochim Biophys Acta** 1984 Jul 16;800(1):66-74

Evidence for an angiotensin II-like material and for a rapid metabolism of angiotensin II in the rat brain. Simonnet G, et al. **Brain Res** 1984 Jun 18;304(1):93-103

The tissue renin-angiotensin systems: focus on brain angiotensin, adrenal gland and arterial wall. Ganten D, et al. **Clin Exp Hypertens [A]** 1983;5(7-8):1099-118

Characteristics and regulation of angiotensin II receptors in pituitary, circumventricular organs and kidney. Mendelsohn FA, et al. **Clin Exp Hypertens [A]** 1983; 5(7-8):1081-97

Vascular effects and metabolism of angiotensins and their metabolites in the isolated perfused rat kidney. Misumi J, et al. **Clin Exp Hypertens [A]** 1983;5(7-8):1151-62

Effect of unclipping on pressor responses in rats with renovascular hypertension. Bing RF, et al. **Clin Sci** 1984 Apr;66(4):473-80

Correction of altered noradrenaline reactivity in essential hypertension by indapamide. Grimm M, et al. **Curr Med Res Opin** 1983;8 Suppl 3:38-46

Interaction of angiotensin II with dispersed cells from the anterior pituitary of the male rat. Paglin S, et al. **Endocrinology** 1984 Jun;114(6):2284-92

Autoradiographic localization of angiotensin II receptors in the rat brain and kidney. Gehlert DR, et al. **Eur J Pharmacol** 1984 Feb 10;98(1):145-6

Solubilization of angiotensin II receptors in rat glomeruli. Chansel D, et al. **FEBS Lett** 1984 May 21;170(2):243-6

Coexistence of renin and angiotensin II in epitheloid cell secretory granules of rat kidney. Taugner R, et al. **Histochemistry** 1984;81(1):39-45

Role of endothelium in conversion of angiotensin I to angiotensin II in rabbit aorta. Saye JA, et al. **Hypertension** 1984 Mar-Apr;6(2 Pt 1):216-21

Influence of captopril treatment on angiotensin II receptors and angiotensinogen in the brain of spontaneously hypertensive rats. Schelling P, et al. **Hypertension** 1983 Nov-Dec;5(6):935-42

Characterization of angiotensin II receptor subtypes in rat liver. Gunther S. **J Biol Chem** 1984 Jun 25;259(12):7622-9

High affinity angiotensin II receptors in myocardial sarcolemmal membranes. Characterization of receptors and covalent linkage of 125I-angiotensin II to a membrane component of 116,000 daltons. Rogers TB. **J Biol Chem** 1984 Jul 10;259(13):8106-14

Kinetics and mechanism of angiotensin phosphorylation by the transforming gene product of Rous sarcoma virus. Wong TW, et al. **J Biol Chem** 1984 Mar 10;259(5):3127-31

Functional angiotensin II receptors on macrophages from isolated liver granulomas of murine Schistosoma mansoni. Weinstock JV, et al. **J Immunol** 1984 May;132(5):2598-602

Angiotensin and prostaglandin interactions in cultured kidney tubules. Simpson RU, et al. **J Lab Clin Med** 1984 Feb; 103(2):255-71

Angiotensin II receptors of human and primate adrenal fasciculata and glomerulosa: correlations of binding and steroidogenesis. Douglas JG, et al. **Metabolism** 1984 Aug; 33(8):685-8

Restricted dietary sodium intake alters peripheral but not central angiotensin II receptors. Speth RC, et al. **Neuroendocrinology** 1984 May;38(5):387-92

Localization of angiotensin II binding sites in rat septum by autoradiography. Healy DP, et al. **Neurosci Lett** 1984 Feb 10;44(2):167-72

Autoradiographic localization of angiotensin II receptors in rat brain. Mendelsohn FA, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(5):1575-9

Isolation of an angiotensin II-binding protein from liver. Sen I, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(6):1679-83

The influence of ACE-inhibition by captopril on renal formation and metabolism of angiotensins I and II in patients with renovascular hypertension. Hesse B, et al. **Scand J Urol Nephrol [Suppl]** 1984;79:45-8

[Transport of 125I-angiotensin II through blood brain barrier following intraventricular injection in rats] Wen YY, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1983 Dec;5(6):390-2 (Eng. Abstr.) **(Chi)**

[Study of angiotensin II] Carayon A, et al. **Ann Med Interne (Paris)** 1983;134(3):223-6 (Eng. Abstr.) **(Fre)**

[Peptides—inhibitors of carboxycathepsin (peptidyl-dipeptidase A) and their role in clinical medicine] Orekhovich VN, et al. **Vopr Med Khim** 1984 May-Jun; 30(3):51-6 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Effects of angiotensin II and ACTH on normal and tumourous human adrenocortical cells. Belmega W, et al. **Acta Endocrinol (Copenh)** 1983 Sep;104(1):103-9

Effects of some hydroxylated sterols on the steroid production in isolated rat adrenal glomerulosa and fasciculata/reticularis cells in the presence of potassium, angiotensin II or ACTH. Huijmans JG, et al. **Acta Endocrinol (Copenh)** 1984 Mar;105(3):411-6

Studies of the factors modulating antidiuretic hormone excretion in man in response to the osmolar stimulus: effects of oestrogen and angiotensin II. Vallotton MB, et al. **Acta Endocrinol (Copenh)** 1983 Nov;104(3):295-302

Effects of vasopressin and angiotensin II on vascular pressures in conscious dogs. Bie P, et al. **Acta Med Scand [Suppl]** 1983;677:48-51

Segmental distribution of vascular resistances during ureteral occlusion. The vasoconstrictive effects of angiotensin and CaCl2 differ from those of catecholamines and renal nerve stimulation. Vikse A, et al. **Acta Physiol Scand** 1983; 119(2):147-58

Effects of circulating levels of vasoconstrictors on systemic pressor responsiveness to angiotensin II and norepinephrine. Clark KE. **Am J Obstet Gynecol** 1984 Jul 1;149(5):480-4

Effect of hypertonic saline on vascular responses to angiotensin II in pregnancy. Matsuura S, et al. **Am J Obstet Gynecol** 1983 Oct 1;147(3):231-40

The pressor response to angiotensin II: the roles of peripheral and cardiac responses in pregnant and nonpregnant sheep. Naden RP, et al. **Am J Obstet Gynecol** 1984 Feb 15; 148(4):450-7

Estrogen-induced refractoriness to the pressor effects of infused angiotensin II. Rosenfeld CR, et al. **Am J Obstet Gynecol** 1984 Feb 15;148(4):429-35

Role of sex steroid hormones in relative refractoriness to angiotensin II during pregnancy. Tamai T, et al. **Am J Obstet Gynecol** 1984 May 15;149(2):177-83

Alveolar epithelial lesions induced by angiotensin in rabbit lungs. Gil J, et al. **Am J Pathol** 1983 Dec;113(3):331-40

Angiotensin causes vasoconstriction during hemorrhage in baroreceptor-denervated dogs. Averill DB, et al. **Am J Physiol** 1983 Oct;245(4):H667-73

Effects on intravascular pressures of vasopressin and angiotensin II in dogs. Bie P, et al. **Am J Physiol** 1983 Dec;245(6):R906-14

Systemic and renal effects of angiotensin II in the freshwater turtle Pseudemys scripta elegans. Brown SR, et al. **Am J Physiol** 1983 Dec;245(6):R837-42

Cardiovascular actions of microinjections of angiotensin II in the brain stem of rats. Casto R, et al. **Am J Physiol** 1984 May;246(5 Pt 2):R811-6

Mechanism of pressor effects by angiotensin in the nucleus tractus solitarius of rats. Casto R, et al. **Am J Physiol** 1984 Sep;247(3 Pt 2):R575-81

Humoral responses to intracerebroventricularly administered angiotensin II in dogs. Eguchi T, et al. **Am J Physiol** 1984

Sep;247(3 Pt 1):E336–42
Mechanism of the biphasic arteriolar response to angiotensin II. Fleming JT, et al. **Am J Physiol** 1984 Jul;247(1 Pt 2):H88–94
Angiotensin II attenuates baroreflex control of heart rate and sympathetic activity. Guo GB, et al. **Am J Physiol** 1984 Jan;246(1 Pt 2):H80–9
Mechanisms of escape from sodium retention during angiotensin II hypertension. Hall JE, et al. **Am J Physiol** 1984 May;246(5 Pt 2):F627–34
Vascular effects of arginine vasopressin, angiotensin II, and norepinephrine in adrenal insufficiency. Ishikawa S, et al. **Am J Physiol** 1984 Jan;246(1 Pt 2):H104–13
Angiotensin–estrogen interaction in female brain reduces drinking and pressor responses. Jonklaas J, et al. **Am J Physiol** 1984 Jul;247(1 Pt 2):R167–72
Mechanisms of the central pressor action of angiotensin II in conscious rats. Lappe RW, et al. **Am J Physiol** 1984 Jan;246(1 Pt 2):R56–62
Modulation of jejunal ion and water absorption by endogenous angiotensin after hemorrhage. Levens NR. **Am J Physiol** 1984 May;246(5 Pt 1):G634–43
Mechanism of decreased pressor responsiveness to ANG II, NE, and vasopressin in pregnant rats. Paller MS. **Am J Physiol** 1984 Jul;247(1 Pt 2):H100–8
Effect of angiotensin II and deoxycorticosterone infusion on vascular angiotensin II receptors in rats. Schiffrin EL, et al. **Am J Physiol** 1984 Apr;246(4 Pt 2):H608–14
Central actions of angiotensin II oppose baroreceptor–induced sympathoinhibition. Stein RD, et al. **Am J Physiol** 1984 Jan;246(1 Pt 2):R13–9
Multiplicative interaction between angiotensin II and K concentration in stimulation of aldosterone. Young DB, et al. **Am J Physiol** 1984 Sep;247(3 Pt 1):E328–35
Effect of arginine vasopressin, acetazolamide, and angiotensin II on CSF pressure at simulated altitude. Senay LC Jr, et al. **Aviat Space Environ Med** 1984 May;55(5):370–6
Angiotensin II receptors negatively coupled to adenylate cyclase in rat aorta. Anand–Srivastava MB. **Biochem Biophys Res Commun** 1983 Dec 16;117(2):420–8
Glycogenolytic effects of the calcium ionophore A23187, but not of vasopressin or angiotensin, in foetal–rat hepatocytes. Freemark M, et al. **Biochem J** 1984 Jun 1;220(2):441–5
Vasopressin and angiotensin control the activity of liver phosphodiesterase. Keppens S, et al. **Biochem J** 1984 Aug 15;222(1):277–80
Noradrenaline, vasopressin and angiotensin increase Ca2+ influx by opening a common pool of Ca2+ channels in isolated rat liver cells. Mauger JP, et al. **Biochem J** 1984 Jul 1;221(1):121–7
Identification of the cycloheximide–sensitive site in angiotensin–stimulated aldosterone synthesis. Elliott ME, et al. **Biochem Pharmacol** 1984 May 1;33(9):1519–24
Stimulation of phosphatidylinositol turnover by acetylcholine, angiotensin II and ACTH in bovine adrenal fasciculata cells. Hadjian AJ, et al. **Biochim Biophys Acta** 1984 Aug 17;804(4):427–33
Inositol administration restores the sensitivity of liver cells formed during liver regeneration to alpha 1–adrenergic amines, vasopressin and angiotensin II. Huerta–Bahena J, et al. **Biochim Biophys Acta** 1983 Sep 22;763(2):125–8
Sensitivity of liver cells formed after partial hepatectomy to glucagon, vasopressin and angiotensin II. Huerta–Bahena J, et al. **Biochim Biophys Acta** 1983 Sep 22;763(2):120–4
Inhibition of lipogenesis by vasopressin and angiotensin II in glycogen–depleted hepatocytes. Palmer TN, et al. **Biosci Rep** 1983 Nov;3(11):1063–70
Effects of hyperthyroidism on stimulation of [1–14C]oleate oxidation to 14CO2 in isolated hepatocytes from fed rats by the catecholamines, vasopressin, and angiotensin II. Sugden MC, et al. **Biosci Rep** 1983 Aug;3(8):757–65
Angiotensin tachyphylaxis in the isolated rabbit aorta. Oshiro ME, et al. **Blood Vessels** 1984;21(2):72–9
Effect of glucocorticoids on vascular reactivity to vasoactive hormones in rat isolated kidney: lack of relationship to prostaglandins. Cooper CL, et al. **Br J Pharmacol** 1984 Jul;82(3):679–88
Contractions of rat uterine smooth muscle induced by acetylcholine and angiotensin II in Ca2+–free medium. Lalanne C, et al. **Br J Pharmacol** 1984 Feb;81(2):317–26
Endothelium–dependent relaxation induced by angiotensin II and histamine in isolated arteries of dog. Toda N. **Br J Pharmacol** 1984 Feb;81(2):301–7
Corticotropin–releasing factor and angiotensin II: comparison of CNS actions to influence neuroendocrine and cardiovascular function. Fisher LA, et al. **Brain Res** 1984 Mar 26;296(1):41–7
Angiotensin II promotes development of neurophysin neurons in dissociated culture. Jirikowski G, et al. **Brain Res** 1984 Jun;316(2):179–83
Electrophysiological effects of angiotensin II on cultured mouse spinal cord neurons. Legendre P, et al. **Brain Res** 1984 Apr 16;297(2):287–96
Transection of subfornical organ neural connections diminishes the pressor response to intravenously infused angiotensin II. Lind RW, et al. **Brain Res** 1983 Sep 26;275(2):361–4
Rat brain angiotensin II receptors: effects of intracerebroventricular angiotensin II infusion. Singh R, et al. **Brain Res** 1984 Jun 11;303(1):133–9
A role for presynaptic alpha 2–adrenoceptors in angiotensin II–induced drinking in rats. Fregly MJ, et al. **Brain Res Bull** 1984 Apr;12(4):393–8
Effects of hypophysectomy and hormone replacement on the local and metastatic growth of Morris hepatoma 44. Erdstein J, et al. **Cancer Res** 1984 Jul;44(7):2936–41
Primary tissue culture of human adrenocortical Conn's adenomata. Bromocriptine as a possible agonist–antagonist of angiotensin at the cellular level. Armato U, et al. **Cell Tissue Res** 1984;236(1):67–72
Influence of vasopressin and angiotensin on baroreflexes in the dog. Cowley AW Jr, et al. **Circ Res** 1984 Feb; 54(2):163–72
The angiotensin II pressor system of the rat forebrain. Hartle DK, et al. **Circ Res** 1984 Apr;54(4):355–66
The effect of angiotensin and vasopressin blockade separately and in combination with cerebellectomy on recovery from hemorrhagic hypotention. Lutherer LO, et al. **Circ Shock** 1983;10(4):329–40
The effect of in vitro captopril and angiotensin II on plasma renin activity. Roulston JE, et al. **Clin Chim Acta** 1984 Mar 27;138(1):99–103
Changes of plasma renin activity by intracerebroventricular administration of biological active peptides in conscious rats. Iwata T, et al. **Clin Exp Hypertens [A]** 1984; 6(5):1055–66
Influence of sodium diet and deoxycorticosterone on the response to norepinephrine, lysine–vasopressin and angiotensin II of isolated perfused rat mesenteric arteries. Monney M, et al. **Clin Exp Hypertens [A]** 1983; 5(10):1735–47
The effect of prostaglandin and kinin synthesis inhibition on blood pressure during infusion of angiotensin II in the conscious rabbit. Rowe BP. **Clin Exp Hypertens [A]** 1984; 6(7):1281–95
Na+,K+–ATPase activity and responsiveness of vascular smooth muscle to norepinephrine, angiotensin II and calcium ionophore A23187 in guinea pig aortic strips. Sekine K, et al. **Clin Exp Hypertens [A]** 1984;6(7):1267–80
Prostaglandins and the renal responses to haemorrhage, angiotensin II and methoxamine in conscious rabbits. Bartley PJ, et al. **Clin Exp Pharmacol Physiol** 1984 Jan–Feb; 11(1):71–80
Effect of potassium, angiotensin II and ACTH on blood aldosterone and cortisol in sheep on different dietary potassium and sodium intakes. Humphery TJ, et al. **Clin Exp Pharmacol Physiol** 1984 Jan–Feb;11(1):97–100
Nonselective beta–blockade enhances pressor responsiveness to epinephrine, norepinephrine, and angiotensin II in normal man. Reeves RA, et al. **Clin Pharmacol Ther** 1984 Apr;35(4):461–6
Captopril enhances vascular and adrenal responsiveness to angiotensin II in essential hypertension. Koletsky RJ, et al. **Clin Sci** 1984 Mar;66(3):299–305
Responsiveness of plasma aldosterone to angiotensin II in patients with diabetes mellitus. Morimoto S, et al. **Endocrinol Jpn** 1983 Oct;30(5):671–8
Dopaminergic modulation of aldosterone secretion in the rat. Aguilera G, et al. **Endocrinology** 1984 Jan;114(1):176–81
Rapid effects of angiotensin–II on polyphosphoinositide metabolism in the rat adrenal glomerulosa. Farese RV, et al. **Endocrinology** 1984 Jan;114(1):302–4
Angiotensin II mediates increased small intestinal fluid absorption with extracellular volume depletion in the rat. Levens NR, et al. **Endocrinology** 1984 May;114(5):1692–701
Inhibition of adenylate cyclase in rat adrenal glomerulosa cells by angiotensin II. Woodcock EA, et al. **Endocrinology** 1984 Jul;115(1):337–41
The effects of angiotensin on the diagnostics and haemodynamics in renal angiography. Göthlin JH, et al. **Eur J Radiol** 1983 Nov;3(4):328–30
Effects of lithium on angiotensin–stimulated phosphatidylinositol turnover and aldosterone production in adrenal glomerulosa cells: a possible causal relationship. Balla T, et al. **FEBS Lett** 1984 Jun 11;171(2):179–82
Hypothyroidism abolishes the glycogenolytic effect of vasopressin, angiotensin II and A23187 but not that of alpha 1–adrenergic amines in rat hepatocytes. Corvera S, et al. **FEBS Lett** 1983 Mar 21;153(2):366–8
In vivo actions of angiotensin II on glomerular function. Blantz RC, et al. **Fed Proc** 1983 Nov;42(14):3071–4
Water drinking and the effect of angiotensin and renin in a dasyurid marsupial (Antechinus stuartii). Blair–West JR, et al. **Gen Comp Endocrinol** 1983 Dec;52(3):388–94
Angiotensin and norepinephrine effects on isolated vascular strips from a reptile. Stephens GA. **Gen Comp Endocrinol** 1984 May;54(2):175–80
Effects of substance P, angiotensin II, oxotremorine and prostaglandin D2 on thyrotropin secretion in rats. Mitsuma T, et al. **Horm Res** 1984;19(3):176–84
Atrial natriuretic factor inhibits angiotensin–, norepinephrine–, and potassium–induced vascular contractility. Kleinert HD, et al. **Hypertension** 1984 Mar–Apr;6(2 Pt 2):I143–7
The effects of sodium orthovanadate, noradrenaline and angiotensin II on isolated perfused rat kidney glomerular–tuft diameter. Corder CN, et al. **Indian J Physiol Pharmacol** 1983 Jul–Sep;27(3):193–9
Selective increase in tumor oxygen tension with angiotensin II. Suzuki M, et al. **Invasion Metastasis** 1982;2(1):33–9
Calcium–entry blockade and pressor effect of angiotensin II in normal and nephrectomized rats. Iaina A, et al. **Isr J Med Sci** 1984 Mar;20(3):207–10
Correlation between cytosolic free Ca2+ and aldosterone production in bovine adrenal glomerulosa cells. Evidence for a difference in the mode of action of angiotensin II and potassium. Capponi AM, et al. **J Biol Chem** 1984 Jul 25;259(14):8863–9
Evidence for the role of phosphorylase kinase, protein kinase C, and other Ca2+–sensitive protein kinases in the response of hepatocytes to angiotensin II and vasopressin. Garrison JC, et al. **J Biol Chem** 1984 Mar 10;259(5):3283–92
Vasopressin–, angiotensin II–, and alpha 1–adrenergic–induced inhibition of Ca2+ transport by rat liver plasma membrane vesicles. Prpić V, et al. **J Biol Chem** 1984 Feb 10;259(3):1382–5
Pericardial release of prostacyclin induced by bradykinin and angiotensin II: effects on coronary blood flow in the dog. Woodman OL, et al. **J Cardiovasc Pharmacol** 1983 Nov–Dec;5(6):954–60
Relationship between plasma aldosterone and angiotensin II before and after noradrenergic inhibition in normal subjects and patients with mild essential hypertension. Beretta–Piccoli C, et al. **J Clin Endocrinol Metab** 1984 Aug; 59(2):316–20
Effects of digoxin on responsiveness to the pressor actions of angiotensin and norepinephrine in man. Guthrie GP Jr. **J Clin Endocrinol Metab** 1984 Jan;58(1):76–80
Angiotensin II directly stimulates sodium transport in rabbit proximal convoluted tubules. Schuster VL, et al. **J Clin Invest** 1984 Feb;73(2):507–15
In vitro responses of aldosterone–producing adenomas to angiotensin II and ACTH after treatment with spironolactone before adrenalectomy. Wisgerhof M. **J Lab Clin Med** 1984 Aug;104(2):160–5
Effects of angiotensins of the motility of human sperm. Kaneko S, et al. **J Pharmacobiodyn** 1984 Feb;7(2):87–93
Facilitation of adrenergic transmission in the canine heart by intracoronary infusion of angiotensin II: effect of prostaglandin synthesis inhibition. Lanier SM, et al. **J Pharmacol Exp Ther** 1983 Dec;227(3):676–82
Relationship between developmental changes in angiotensin II–induced contractions and stimulation of phosphatidylinositol labeling of rat aorta. Schoepp DD, et al. **J Pharmacol Exp Ther** 1984 Jun;229(3):880–6
Circulatory and osmoregulatory effects of angiotensin II perfusion of the third ventricle in a bird with salt glands. Gerstberger R, et al. **J Physiol (Lond)** 1984 Apr;349:167–82
Reversal by angiotensins II and III of the effects of converting enzyme inhibition on renal electrolyte excretion in rats. Harris PJ, et al. **J Physiol (Lond)** 1984 Jun; 351:491–500
Modification of angiotensin II–induced relaxation by dipyridamole, phthalazinol and aspirin in isolated dog renal arteries. Toda N, et al. **Jpn J Pharmacol** 1983 Oct; 33(5):1027–34
Effects of angiotensin II and dibutyryl cyclic adenosine monophosphate on phosphatidylinositol metabolism, 45Ca2+ fluxes, and aldosterone synthesis in bovine adrenal glomerulosa cells. Elliott ME, et al. **Life Sci** 1983 Oct 31; 33(18):1771–8
Naloxone potentiates ACTH and angiotension II but not potassium stimulated aldosterone secretion, in vitro. Lymangrover JR, et al. **Life Sci** 1983 Oct 17;33(16):1605–12
Effect of angiotensin II on RNA synthesis by isolated nuclei. Re R, et al. **Life Sci** 1984 Feb 13;34(7):647–51
Angiotensin II increases ACTH release in the absence of endogenous arginine–vasopressin. Spinedi E, et al. **Life Sci** 1984 Feb 20;34(8):721–9
Effect of calcium membrane blockers on in vivo vasoconstrictor properties of norepinephrine, angiotensin II and vasopressin. Goldberg JP, et al. **Miner Electrolyte Metab** 1984;10(3):178–83
Interrelationship between subpressor effects of vasopressin and other vasoactive hormones in the rat. Ishikawa S, et al. **Miner Electrolyte Metab** 1984;10(3):184–9
Facilitating interaction between rauwolscine and angiotensin in the mesenteric artery of the rabbit. Lues I, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Jun; 326(3):273–7
Postjunctional alpha–adrenoceptors in the isolated saphenous vein of the rabbit. Characterization and influence of angiotensin. Schümann HJ, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1983 Aug; 323(4):328–34
Angiotensin II and ACTH release: site of action and potency relative to corticotropin releasing factor and vasopressin. Spinedi E, et al. **Neuroendocrinology** 1983 Dec;37(6):446–53
Angiotensin stimulates beta–endorphin release from anterior pituitary gland cell cultures of rats. Kraft K, et al. **Neurosci Lett** 1984 Apr 20;46(1):25–9
Effects of angiotensin II and angiotensin III on prostacyclin release in man. Soma M, et al. **Nippon Jinzo Gakkai Shi** 1983 Sep;25(9):1093–101
Angiotensin II and norepinephrine antagonize the secretory effect of VIP in rat ileum and colon. Bhaskar Rao M, et al. **Peptides (Fayetteville)** 1984 Mar–Apr;5(2):291–4
Acute abdominal vagotomy reduces drinking to peripheral but not central angiotensin II. Simansky KJ, et al. **Peptides (Fayetteville)** 1983 Mar–Apr;4(2):159–63
Angiotensin II mediates beta endorphin like immunoactivity release in rat pituitary cell culture. Sobel DO. **Peptides (Fayetteville)** 1984 Jan–Feb;5(1):47–51
Papillary plasma flow in rats. II. Hormonal control. Eloy L, et al. **Pflugers Arch** 1983 Aug;398(3):253–8
Effects of angiotensin II on schedule dependent and induced

behavior at recovered body weight. Wayner MJ, et al. **Pharmacol Biochem Behav** 1977 Jun;6(6):701–4

Drinking in response to intracarotid administration of angiotensin in the pigeon (Columba livia). Barraco R, et al. **Pharmacol Res Commun** 1984 Jan;16(1):41–54

Action of angiotensin on vascular and intestinal smooth muscle and its antagonism by saralasin. Coruzzi G, et al. **Pharmacol Res Commun** 1983 Sep;15(8):719–34

Possible opioid participation in the analgesic effects of the renin–angiotensin system. Haulică I, et al. **Physiologie** 1983 Jul–Sep;20(3):149–56

The use of the superfusion approach with rat adrenal capsular cells to compare the steroidogenic potencies of angiotensin analogues, without the effects of peptide degradation. Bell JB, et al. **Proc R Soc Lond [Biol]** 1984 Mar 22; 221(1222):21–30

Temperature sensitivity of angiotensin-induced inotropic effects. Trachte GJ, et al. **Proc Soc Exp Biol Med** 1984 Oct;177(1):47–54

Angiotensin II: a releaser of PGI2 from fetal and newborn rabbit lungs. Omini C, et al. **Prostaglandins** 1983 Jun; 25(6):901–10

Possible prostacyclin–mediated vascular effect of angiotensin II in the isolated perfused rat lung. Ercan ZS, et al. **Prostaglandins Leukotrienes Med** 1983 Sep;12(1):77–83

Relation of rates of excretion of urinary prostaglandin E metabolites to administration of angiotensin, aldosterone, and spironolactone in vivo. Fretland DJ, et al. **Prostaglandins Leukotrienes Med** 1984 Apr;14(1):65–78

Effect of angiotensin II and vasopressin on acquisition and extinction of conditioned avoidance in rats. Baranowska D, et al. **Psychopharmacology (Berlin)** 1983;81(3):247–51

Effect of angiotensin II on ACTH release in vivo: role of corticotropin–releasing factor. Rivier C, et al. **Regul Pept** 1983 Nov;7(3):253–8

The influence of sodium intake on physiological responses to angiotensin II in conscious dogs. Olsen ME, et al. **Scand J Urol Nephrol [Suppl]** 1984;79:29–34

Experimental elevations of blood pressure induced as an internal stimulus during sleep in man: effects on cortical vigilance and response thresholds in different sleep stages. Schneider–Helmert D. **Sleep** 1983;6(4):339–46

Angiotensin II does not elicit any specific prostaglandin secretion in piglet cultured endothelial cells. Ody C, et al. **Thromb Res** 1983 Jul 15;31(2):219–31

[Effects of angiotensin II on kinetic parameters of plasma cyclic AMP] Wen YY, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1983 Oct; 5(5):328–9 (Eng. Abstr.) **(Chi)**

[Local circulatory changes after administration of angiotensin II in rats. Different reactions in parts of the skeleton and in other organs and tissues] Kapitola J, et al. **Sb Lek** 1983 Oct;85(9–10):241–5 (Eng. Abstr.) **(Cze)**

[Angiotensin II potentiates the effect of ACTH on the production of cyclic AMP by bovine adrenal cells in primary culture] Morera AM, et al. **C R Seances Acad Sci [III]** 1984;298(17):507–12 (Eng. Abstr.) **(Fre)**

[Hemodynamic changes after application of vasoactive substances in cats with unilateral renal artery constriction in addition to sinoaortal baroreceptor deafferentation] Kreher C, et al. **Cor Vasa** 1983;25(6):459–66 (Eng. Abstr.) **(Ger)**

[A gastric cancer patient who underwent curative resection by angiotension–induced hypertension cancer chemotherapy] Hakuta Y, et al. **Gan No Rinsho** 1984 Jan; 30(1):66–9 (Eng. Abstr.) **(Jpn)**

[Clinical studies on induced hypertension chemotherapy based on functional characteristics of microcirculation of tumor vessels] Wakui A, et al. **Gan To Kagaku Ryoho** 1984 Mar;11(3 Pt 2):741–9 (Eng. Abstr.) **(Jpn)**

[The pressor and adrenal responses to angiotensin II in patients with normoreninemic essential hypertension—the influence of sodium intake and captopril] Kuroda K, et al. **Nippon Jinzo Gakkai Shi** 1983 Feb;25(2):179–88 (Eng. Abstr.) **(Jpn)**

[Effects of indomethacin on renal and uterine blood flow and pressor responsiveness to angiotensin II or norepinephrine in pregnant dogs] Matsuura S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1983 Dec; 35(12):2349–58 (Eng. Abstr.) **(Jpn)**

[Effect of angiotensin on the ultrastructure of the rat thyroid gland] Gerbil'skiĭ LV. **Biull Eksp Biol Med** 1984 Apr; 97(4):501–4 (Eng. Abstr.) **(Rus)**

[Sensitivity of neurons in the rabbit thalamus parafascicular complex to angiotensin II during stimulation of the ventromedial hypothalamus] Kol'dits M, et al. **Biull Eksp Biol Med** 1984 Feb;97(2):172–4 (Eng. Abstr.) **(Rus)**

[Effect of angiotensin on the accumulation of radioactive iodine by thyroid gland cells] Gerbil'skiĭ LV, et al. **Fiziol Zh** 1984 Mar–Apr;30(2):240–3 **(Rus)**

PHYSIOLOGY

Glomerular actions of angiotensin II. Ichikawa I, et al. **Am J Med** 1984 May 31;76(5B):43–9 (54 ref.)

Glomerular epithelial cell changes after ischemia or dehydration. Possible role of angiotensin II. Racusen LC, et al. **Am J Pathol** 1984 Jan;114(1):157–63

Central nervous system action of angiotensin during onset of renal hypertension in awake rats. Faber JE, et al. **Am J Physiol** 1984 Sep;247(3 Pt 2):H349–60

Control of glomerular filtration rate: role of intrarenally formed angiotensin II. Kastner PR, et al. **Am J Physiol** 1984 Jun;246(6 Pt 2):F897–906

Modulation of jejunal ion and water absorption by endogenous angiotensin after dehydration. Levens NR. **Am J Physiol** 1984 Jun;246(6 Pt 1):G700–9

Role of angiotensin II, alpha–adrenergic system, and arginine vasopressin on arterial pressure in rat. Paller MS, et al. **Am J Physiol** 1984 Jan;246(1 Pt 2):H25–30

Analysis of renal denervation in the hydropenic rat: interactions with angiotensin II. Pelayo JC, et al. **Am J Physiol** 1984 Jan;246(1 Pt 2):F87–95

Actions of angiotensin II on the brain: mechanisms and physiologic role. Reid IA. **Am J Physiol** 1984 May;246(5 Pt 2):F533–43

Thirst and sodium appetite after colloid treatment in rats with septal lesions. Stricker EM. **Behav Neurosci** 1984 Apr; 98(2):356–60

Vasopressin and angiotensin in the control of arterial pressure and regional blood flow in anaesthetized, surgically stressed rats. Pang CC. **Can J Physiol Pharmacol** 1983 Dec; 61(12):1494–500

Relative contribution of vasopressin and angiotensin II to the altered renal microcirculatory dynamics in two–kidney Goldblatt hypertension. Ichikawa I, et al. **Circ Res** 1983 Nov;53(5):592–602

Role of angiotensin II in the hypertension induced by renal artery stenosis. Anderson WP, et al. **Clin Exp Hypertens [A]** 1984;6(1–2):299–314

The effect of prostaglandin E2 upon the biochemical response to infused angiotensin II in human pregnancy. Broughton Pipkin F, et al. **Clin Sci** 1984 Apr;66(4):399–406

Evidence for angiotensin–stimulated proximal tubular fluid reabsorption in normotensive and hypertensive rats: effect of acute administration of captopril. Harris PJ, et al. **Clin Sci** 1984 May;66(5):541–4

Angiotensin II receptor regulation in isolated renal glomeruli. Skorecki KL, et al. **Fed Proc** 1983 Nov;42(14):3064–70

Maintenance of arterial pressure by vasopressin and angiotensin II after adrenalectomy. Elijovich F, et al. **Hypertension** 1983 Nov–Dec;5(6 Pt 3):V53–6

Neurogenic actions of angiotensin II. Ferrario CM. **Hypertension** 1983 Nov–Dec;5(6 Pt 3):V73–9 (88 ref.)

Arginine vasopressin modulates the central action of angiotensin II in the dog. Michelini LC, et al. **Hypertension** 1983 Nov–Dec;5(6 Pt 3):V94–100

Effects of frog–skin angiotensin II in amphibians. Proto MC, et al. **Hypertension** 1983 Nov–Dec;5(6 Pt 3):V101–4

Defect in the sodium–modulated tissue responsiveness to angiotensin II in essential hypertension. Shoback DM, et al. **J Clin Invest** 1983 Dec;72(6):2115–24

Dopaminergic suppression of angiotensin II–induced aldosterone secretion in man: differential responses during sodium loading and depletion. Drake CR Jr, et al. **Metabolism** 1984 Aug;33(8):696–702

Peripheral pressor effects of sympathetic stimulation, noradrenaline, angiotensin II and vasopressin in Brattleboro rats. Feuerstein G, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Mar; 325(3):247–50

Renal hemodynamic effects of captopril in anesthetized sodium–restricted dogs. Relative contributions of prostaglandin stimulation and suppressed angiotensin activity. Carmines PK, et al. **Renal Physiol** 1983;6(6):281–7

Regulation of intestinal fluid transport by angiotensin II: mechanisms and physiological significance. Carey RM, et al. **Trans Am Clin Climatol Assoc** 1983;95:93–104

[Renin and aldosterone secretion under converting enzyme inhibition] Nakamura K. **Nippon Naibunpi Gakkai Zasshi** 1983 Aug 20; 59(8):1099–116 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Delayed reversal of Goldblatt hypertension by angiotensin II infusion in the rat. Kumar A, et al. **Am J Physiol** 1984 Jun;246(6 Pt 2):H811–7

[Use of angiotensin II in the treatment of cancer (editorial)] Balda MS. **Medicina (B Aires)** 1983;43(3):350–2 **(Spa)**

ANGIOTENSIN III see under **ANGIOTENSIN II**

ANGIOTENSIN AMIDE see under **ANGIOTENSIN II**

ANGIOTENSIN CONVERTING ENZYME see **KININASE II**

ANGIOTENSINOGEN see under **ANGIOTENSINS**

ANGIOTENSINS

Structural aspects of rat angiotensinogen. Hilgenfeldt U. **Clin Exp Hypertens [A]** 1983;5(7–8):1021–35

Chemical structure of angiotensin formed by incubating plasma with the corpuscles of Stannius in the Japanese goosefish, Lophius litulon. Hasegawa Y, et al. **Gen Comp Endocrinol** 1984 May;54(2):264–9

Chemical structures of angiotensins formed by incubating plasma with the kidney and the corpuscles of Stannius in the chum salmon, Oncorhynchus keta. Takemoto Y, et al. **Gen Comp Endocrinol** 1983 Aug;51(2):219–27

Synthesis of nonmammalian angiotensins and their comparative pressor properties in dogfish shark, domestic chicken, and rat. Khosla MC, et al. **Hypertension** 1983 Nov–Dec;5(6 Pt 3):V22–8

ADMINISTRATION & DOSAGE

Duration of action and short–term hormonal responses to enalapril (MK 421) in normal subjects. Given BD, et al. **J Cardiovasc Pharmacol** 1984 May–Jun;6(3):436–41

ANALYSIS

The high–performance liquid chromatographic analysis of diastereomers and structural analogs of angiotensins I and II. Margolis SA, et al. **Anal Biochem** 1983 Oct 1; 134(1):163–9

Immunocytochemical localization of angiotensinogen in rat liver and kidney. Richoux JP, et al. **Cell Tissue Res** 1983; 233(2):439–51

Distribution of immunoreactive angiotensin II, angiotensin I, angiotensinogen and renin in the central nervous system of intact and nephrectomized rats. Healy DP, et al. **Hypertension** 1984 Mar–Apr;6(2 Pt 2):I130–6

The stability of angiotensin I formed at room temperature in the presence of ethylenediaminetetraacetate to subsequent incubation at 37 degrees C. Roulston JE, et al. **J Clin Chem Clin Biochem** 1983 Nov;21(11):703–7

Characterization of plasma and cerebrospinal fluid human angiotensinogen and des–angiotensin I–angiotensinogen by direct radioimmunoassay. Genain C, et al. **J Clin Endocrinol Metab** 1984 Sep;59(3):478–84

Isolated liver granulomas of murine Schistosoma mansoni contain components of the angiotensin system. Weinstock JV, et al. **J Immunol** 1983 Nov;131(5):2529–32

ANTAGONISTS & INHIBITORS

Comparative effects of enalapril, enalaprilic acid and captopril in blocking angiotensin I–induced pressor and dipsogenic responses in spontaneously hypertensive rats. Gaul SL, et al. **Clin Exp Hypertens [A]** 1984;6(6):1187–206

BIOSYNTHESIS

Evidence for intracellular formation of angiotensins: coexistence of renin and angiotensin–converting enzyme in Leydig cells of rat testis. Pandey KN, et al. **Biochem Biophys Res Commun** 1984 Aug 16;122(3):1337–43

Angiotensinogen and kininogen: cloning and sequence analysis of the cDNAs. Nakanishi S, et al. **Clin Exp Hypertens [A]** 1983;5(7–8):997–1003

Effects of glucocorticoids and antiglucocorticoid on angiotensinogen production by hepatoma cells in culture. Coezy E, et al. **In Vitro** 1984 Jul;20(7):528–34

Generation of angiotensins in cultured pheochromocytoma cells. Okamura T, et al. **Neurosci Lett** 1984 May 4; 46(2):151–6

BLOOD

Plasma renin concentration, activity and substrate in normal children. Brøns M, et al. **Acta Med Scand [Suppl]** 1983; 677:89–92

Renin, renin substrate, angiotensin II, and vasopressin in plasma during treatment with captopril in hypertension and heart failure. Fyhrquist F, et al. **Acta Med Scand [Suppl]** 1983;677:110–[illegible]

A high molecular weight form of angiotensin I is generated in rat serum incubated with synthetic and native angiotensin I. Lauritzen E, et al. **Acta Med Scand [Suppl]** 1983;677:76–9

Plasma renin substrate, renin activity, and aldosterone levels in a sample of oral contraceptive users from a community survey. Goldhaber SZ, et al. **Am Heart J** 1984 Jan; 107(1):119–22

Death from cerebral hypoperfusion during nitroprusside treatment of acute angiotensin–dependent hypertension. Haas DC, et al. **Am J Med** 1983 Dec;75(6):1071–6

Chemical identity of tryptensin with angiotensin. Arakawa K, et al. **Biochem J** 1980 Jun 1;187(3):647–53

Plasma renin substrate in the prediction of pregnancy outcome in threatened abortion. Siimes AS, et al. **Br J Obstet Gynaecol** 1983 Dec;90(12):1186–92

Differences in the kinetic rate constants of normal and high molecular weight renin substrate from term pregnancy human plasma. Shionoiri H, et al. **Endocrinol Jpn** 1983 Dec; 30(6):731–6

Levels of renin, angiotensin I and II, angiotensin–converting enzyme and aldosterone in infancy and childhood. Fiselier TJ, et al. **Eur J Pediatr** 1983 Oct;141(1):3–7

Measurement of low angiotensin concentrations after ethanol and Dowex extraction procedures. Nussberger J, et al. **J Lab Clin Med** 1984 Feb;103(2):304–12

[Effect of estradiol and a series of other endocrine factors on the angiotensinogen level in rat blood plasma] Gontar' EV, et al. **Biull Eksp Biol Med** 1984 Mar;97(3):342–5 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

Angiotensinogen concentration in the cerebrospinal fluid in different experimental conditions in the rat. Ruiz P, et al. **Hypertension** 1983 Nov–Dec;5(6 Pt 3):V29–33

GENETICS

Common structural organization of the angiotensinogen and

the alpha 1-antitrypsin genes. Tanaka T, et al. **J Biol Chem** 1984 Jul 10;259(13):8063-5
Identity of angiotensinogen precursors of rat brain and liver. Campbell DJ, et al. **Nature** 1984 Mar 8-14;308(5955):206-8
Angiotensinogen is related to the antitrypsin-antithrombin-ovalbumin family. Doolittle RF. **Science** 1983 Oct 28;222(4622):417-9

IMMUNOLOGY

Graphical determination of affinity constant for labeled and unlabeled ligand from angiotensin I radioimmunoassay. Ikeda I, et al. **Kaku Igaku** 1983 May;20(4):385-90

ISOLATION & PURIFICATION

Separation of radioiodinated angiotensins by chromatofocusing in minicolumns. Sernia C. **Anal Biochem** 1984 May 1;138(2):303-8
An angiotensin I-protein complex isolated by SDS-polyacrylamide gel electrophoresis from rat serum incubated with angiotensin I. Lauritzen E, et al. **Scand J Clin Lab Invest** 1983 Dec;43(8):715-21

METABOLISM

Generation and elimination of angiotensins I and II in the kidney, liver and lung. Hesse B, et al. **Acta Med Scand [Suppl]** 1983;677:97-100
Angiotensin receptors and the control of Na+ and K+ transport in cultured aortic smooth muscle and brain microvessel cells. Brock TA, et al. **Adv Exp Med Biol** 1984; 172:435-54
Influence of converting-enzyme inhibition on rat des-angiotensin I-angiotensinogen. Clauser E, et al. **Am J Physiol** 1984 Feb;246(2 Pt 1):E129-33
Granulocyte-angiotensin system. Identification of angiotensinogen as the plasma protein substrate of leukocyte cathepsin G. Wintroub BU, et al. **Biochemistry** 1984 Jan 17;23(2):227-32
An improved method for determination of active and total renin concentration in human plasma using an excess of sheep substrate. Goto T, et al. **Clin Chim Acta** 1984 Mar 27;138(1):87-98
Biochemistry and regulation of angiotensinogen. Ménard J, et al. **Clin Exp Hypertens [A]** 1983;5(7-8):1005-19
Changes in brain angiotensinogen during development of hypertension. Printz MP, et al. **Clin Exp Hypertens [A]** 1983;5(7-8):1037-46
Regulation of angiotensinogen in the central nervous system. Schelling P, et al. **Clin Exp Hypertens [A]** 1983; 5(7-8):1047-61
Acute changes in the renin-angiotensin system modify bradykinin and angiotensin reactivity and metabolism in conscious rats. Salgado MC, et al. **Hypertension** 1983 Nov-Dec;5(6 Pt 3):V172-6
Role of endothelium in conversion of angiotensin I to angiotensin II in rabbit aorta. Saye JA, et al. **Hypertension** 1984 Mar-Apr;6(2 Pt 1):216-21
Influence of captopril treatment on angiotensin II receptors and angiotensinogen in the brain of spontaneously hypertensive rats. Schelling P, et al. **Hypertension** 1983 Nov-Dec;5(6):935-42
Angiotensin-converting enzyme, bradykinin, angiotensin, and cerebral vessel reactivity. Whalley ET, et al. **Hypertension** 1983 Nov-Dec;5(6 Pt 3):V34-7
Conversion of angiotensin I to angiotensin II and inactivation of bradykinin in canine peripheral vascular beds. Suzuki M, et al. **J Cardiovasc Pharmacol** 1984 Mar-Apr; 6(2):244-50
Heterogeneity of renin substrate released from hepatocytes and in brain extracts. Murakami E, et al. **Life Sci** 1984 Jan 23;34(4):385-92
Is renin substrate an erythropoietin precursor? Fyhrquist F, et al. **Nature** 1984 Apr 12-18;308(5960):649-52
The influence of ACE-inhibition by captopril on renal formation and metabolism of angiotensins I and II in patients with renovascular hypertension. Hesse B, et al. **Scand J Urol Nephrol [Suppl]** 1984;79:45-8
[Modification of the Friedland-Silverstein technic for the determination of the activity of angiotensin I converting enzyme] Harrabi S, et al. **Ann Biol Clin (Paris)** 1984; 42(2):123-8 (Eng. Abstr.) **(Fre)**
[Renin system inhibitors at the level of the renin-substrate reaction] Corvol P, et al. **Ann Endocrinol (Paris)** 1983; 44(5):339-42 **(Fre)**
[Plasma renin activity in normal and malnourished children] Saieh C, et al. **Rev Chil Pediatr** 1983 May-Jun;54(3):158-61 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

On the vascular reactivity to angiotensin and noradrenaline in normotensive and spontaneously hypertensive rats. Somova LI. **Acta Physiol Pharmacol Bulg** 1983;9(1):51-8
The effects of the components of the renin-angiotensin system on the isolated perfused human placental cotyledon. Glance DG, et al. **Am J Obstet Gynecol** 1984 Jun 15; 149(4):450-4
Conformational aspects of angiotensinogen analogues with renin inhibitory activity. Liepina I, et al. **Biochem Biophys Res Commun** 1984 Jul 31;122(2):700-5
The effect of angiotensins I, II, and III on formation of cyclic GMP in murine neuroblastoma clone N1E-115. Gilbert JA, et al. **Biochem Pharmacol** 1984 Aug 1;33(15):2527-30
Additive effects of aldosterone with vasopressin or angiotensin. Friedman SM. **Hypertension** 1984 Mar-Apr; 6(2 Pt 1):242-8
Inhibition of renin by angiotensinogen peptide fragments containing the hydroxy amino acid residue 5-amino-3-hydroxy-7-methyloctanoic acid. Johnson RL, et al. **J Med Chem** 1983 Oct;26(10):1457-62
Factors contributing to acute blood pressure elevation. Stokland O. **J Oslo City Hosp** 1983 Jul-Aug;33(7-8):81-95
Effects of angiotensins of the motility of human sperm. Kaneko S, et al. **J Pharmacobiodyn** 1984 Feb;7(2):87-93
Angiotensin stimulates beta-endorphin release from anterior pituitary gland cell cultures of rats. Kraft K, et al. **Neurosci Lett** 1984 Apr 20;46(1):25-9
The effect of kininase II inhibitors on the response of feline cerebral arteries to bradykinin and angiotensin. Whalley ET, et al. **Pflugers Arch** 1983 Jul;398(2):175-7
Possible opioid participation in the analgesic effects of the renin-angiotensin system. Haulică I, et al. **Physiologie** 1983 Jul-Sep;20(3):149-56
Inhibition of gastric emptying by angiotensin in the rat and its antagonism by saralasin. Scarpignato C, et al. **Res Commun Chem Pathol Pharmacol** 1983 Nov;42(2):335-8

PHYSIOLOGY

Role of angiotensin I and glucagon in canine endotoxin shock: effect of converting enzyme inhibitor and prior immunization. Manson NH, et al. **Circ Shock** 1984; 12(3):177-89
Effects of frog-skin angiotensin II in amphibians. Proto MC, et al. **Hypertension** 1983 Nov-Dec;5(6 Pt 3):V101-4
Stimulation of spontaneous and dopamine-inhibited prolactin release from anterior pituitary reaggregate cell cultures by angiotensin peptides. Schramme C, et al. **Life Sci** 1984 Apr 23;34(17):1651-8
Vascular effects of arginine-vasopressin, angiotensin and noradrenaline in adrenal insufficiency. Ishikawa S, et al. **Prog Brain Res** 1983;60:469-71

SECRETION

Characterization of precursor and secreted forms of rat angiotensinogen. Campbell DJ, et al. **Endocrinology** 1984 Mar;114(3):776-85

ANGUILLA

GENETICS

Sex determination in the European eel (Anguilla anguilla, L.). A hypothesis based on cytogenetic results, correlated with the findings of skewed sex ratios in eel culture ponds. Wiberg UH. **Cytogenet Cell Genet** 1983;36(4):589-98

METABOLISM

Separation by velocity sedimentation of the gill epithelial cells and their ATPases activities in the seawater adapted eel Anguilla anguilla L. Naon R, et al. **Comp Biochem Physiol [A]** 1983;75(4):541-7
Ca2+-dependent phosphatase and ATPase activities in eel gill plasma membranes—I. Identification of Ca2+-activated ATPase activities with non-specific phosphatase activities. Flik G, et al. **Comp Biochem Physiol [B]** 1983;76(4):745-54
Influence of temperature, environmental salinity and fasting on the patterns of fatty acids synthesized by gills and liver of the european eel (Anguilla anguilla). Hansen HJ, et al. **Comp Biochem Physiol [B]** 1983;75(4):581-7
Effects of prolactin and environmental calcium on osmotic water permeability of the gills in the eel, Anguilla japonica. Ogasawara T, et al. **Gen Comp Endocrinol** 1984 Feb; 53(2):315-24
Glucocorticoid receptors in the gill tissue of fish. Sandor T, et al. **Gen Comp Endocrinol** 1984 Mar;53(3):353-64

MICROBIOLOGY

Morphogenesis and fine structure of eel virus (Berlin), a member of the proposed Birnavirus group. Schwanz-Pfitzner I, et al. **Arch Virol** 1984;81(1-2):151-62

PHYSIOLOGY

Ion dependence of the eel taste response to amino acids. Yoshii K, et al. **Brain Res** 1983 Nov 28;280(1):63-7
Effects of aconitine and veratrine on the isolated perfused heart of the common eel (Anguilla anguilla L.). Pennec JP, et al. **Comp Biochem Physiol [C]** 1984;77(2):367-9
Storage and release of catecholamines by nervous endings in the isolated heart of the eel (Anguilla anguilla L.). Pennec JP, et al. **Comp Biochem Physiol [C]** 1984; 77(1):167-71
Effects of steroid hormones on pituitary immunoreactive gonadotropin in European freshwater eel, Anguilla anguilla L. Dufour S, et al. **Gen Comp Endocrinol** 1983 Nov; 52(2):190-7
Differential secretion of glucagon-like and somatostatin-like immunoreactivity from the perfused eel pancreas in response to D-glucose. Ince BW, et al. **Gen Comp Endocrinol** 1984 Mar;53(3):389-97
Evidence for the participation of a melanin-concentrating hormone in physiological colour change in the eel. Gilham ID, et al. **J Endocrinol** 1984 Aug;102(2):237-43

ANGUILLULIASIS see **STRONGYLOIDIASIS**

ANHIDROSIS see **HYPOHIDROSIS**

ANHYDRIDES

PHARMACODYNAMICS

Optimization of the DTPA mixed-anhydride reaction with antibodies at low concentration. Paik CH, et al. **J Nucl Med** 1983 Oct;24(10):932-6

ANHYDROGLUCOCHLORAL see **CHLORALOSE**

ANHYDROHYDROXYPROGESTERONE see **ETHISTERONE**

ANILERIDINE see under **ISONIPECOTIC ACIDS**

ANILIDES

Secondary interactions in mesentericopeptidase-catalyzed hydrolysis of peptide ester and 4-nitroanilide substrates. Stambolieva NA, et al. **Arch Biochem Biophys** 1983 Sep; 225(2):548-53
Potential exposure of commercial seed-treating applicators to the pesticides carboxin-thiram and lindane. Grey WE, et al. **Bull Environ Contam Toxicol** 1983 Aug;31(2):244-50

ADMINISTRATION & DOSAGE

Clinical efficacy and electrophysiologic effects of intravenous and oral encainide in patients with accessory atrioventricular pathways and supraventricular arrhythmias. Abdollah H, et al. **Am J Cardiol** 1984 Sep 1;54(6):544-9
Electrophysiologic and clinical effects of intravenous and oral encainide in accessory atrioventricular pathway. Kunze KP, et al. **Am J Cardiol** 1984 Aug 1;54(3):323-9

ANALYSIS

[Methods of identifying and determining plantvax and vitavax in water] Kiseleva NI. **Gig Sanit** 1984 Jun;(6):54-5 **(Rus)**

BLOOD

Encainide and its metabolites. Comparative effects in man on ventricular arrhythmia and electrocardiographic intervals. Carey EL Jr, et al. **J Clin Invest** 1984 Feb; 73(2):539-47

CHEMICAL SYNTHESIS

Antibacterially active substituted anilides of carboxylic and sulfonic acids. Linfield WM, et al. **J Med Chem** 1983 Dec; 26(12):1741-6

IMMUNOLOGY

Immunogenicity of fatty acid anilides in rabbits and the pathogenesis of the Spanish toxic oil syndrome. Marquet A, et al. **Experientia** 1984 Sep 15;40(9):977-80

METABOLISM

Clinical importance of metabolites of antiarrhythmic drugs. Kates RE, et al. **Am J Cardiol** 1984 Jan 1;53(1):248-51
The rate of penetration of leaf tissues by the systemic fungicides benodanil (2-iodobenzanilide) and oxycarboxin (2,3-dihydro-6 methyl-5 phenylcarbamoyl-1,4-oxathin-4,4-dioxide). Udeogalanya AC. **Beitr Trop Landwirtsch Veterinarmed** 1984;22(1):91-4
Peptide thioesters and 4-nitroanilides as substrates for porcine pancreatic kallikrein. Powers JC, et al. **Biochem J** 1984 Jun 1;220(2):569-73
Kinetic investigation of the hydrolysis of aminoacyl p-nitroanilides by dipeptidyl peptidase IV from human and pig kidney. Heins J, et al. **Biochim Biophys Acta** 1984 Feb 28;785(1-2):30-5
Myocardial uptake of encainide and its two major metabolites, O-demethyl encainide and 3-methoxy-O-demethyl encainide, in the dog. Latini R, et al. **J Cardiovasc Pharmacol** 1984 Jul-Aug;6(4):663-7
Influence of genetic polymorphism on the metabolism and disposition of encainide in man. Wang T, et al. **J Pharmacol Exp Ther** 1984 Mar;228(3):605-11
Beta-phenyl cysteine: a leucine aminopeptidase inhibitor. Kraus JL. **Pharmacol Res Commun** 1984 Jun;16(6):533-8
Distribution and excretion of orally administered oleic acid anilide in the rat. Altmann HJ, et al. **Toxicology** 1983 Jul-Aug;27(3-4):321-6

PHARMACODYNAMICS

The role of inhibin in adult male rats: the effect of inhibin deficiency and androgen antagonism on serum and pituitary gonadotrophins. Lipner H, et al. **Acta Endocrinol (Copenh)** 1984 Mar;105(3):302-7
Endocrinological and histological changes induced by flutamide treatment on the hypothalamo-hypophyseal testicular axis of the adult male rat and their incidences on fertility. Viguier-Martinez MC, et al.

Acta Endocrinol (Copenh) 1983 Oct;104(2):246–52

Effect of oxafun on the antibiosis between Bacillus subtilis and Phoma betae. Balicka N, et al. **Acta Microbiol Pol** 1983; 32(2):185–9

Differential effects of O–demethyl encainide on induced and spontaneous arrhythmias in the conscious dog. Dawson AK, et al. **Am J Cardiol** 1984 Sep 1;54(6):654–8

Metabolic and pharmacological studies with N–methyl–N'–methyl–2'–allyl–2–benzoyl–4–chloro–glycin (F 1797). Ballabio M, et al. **Arzneimittelforsch** 1983; 33(7):959–61

The microviscosity of liver plasma membranes of rats fed with oleoylanilide. Pagani R, et al. **Biochem J** 1984 Feb 15;218(1):125–9

Estrogen, progesterone, and androgen–binding sites in renal cell carcinoma. Observations obtained in Phase II trial of flutamide. Ahmed T, et al. **Cancer** 1984 Aug 1;54(3):477–81

Effect of flutamide, a nonsteroidal antiandrogen on functional maturation of the epididymis of rat. Dhar JD, et al. **Exp Clin Endocrinol** 1983 Aug;82(2):140–4

Effect of fatty acid anilides on the generation of arachidonic acid by human polymorphonuclear leukocytes. Gil MG, et al. **FEBS Lett** 1983 Oct 3;162(1):151–5

Electrophysiological effects of encainide (MJ9067) on canine subendocardial Purkinje fibers surviving infarction. King BW, et al. **J Cardiovasc Pharmacol** 1984 Jul–Aug; 6(4):547–54

Electrophysiology of O–demethyl encainide in a canine model of sustained ventricular tachycardia. Roden DM, et al. **J Cardiovasc Pharmacol** 1984 Jul–Aug;6(4):588–95

Effect of encainide and its two major metabolites on cardiac conduction. Dresel PE. **J Pharmacol Exp Ther** 1984 Jan; 228(1):180–6

Effect of the antiandrogen flutamide (Niftolide) on testicular androgen production in hypophysectomized rats. Volkova NN. **Neurosci Behav Physiol** 1983 Mar–Apr;13(2):139–41

[Studies on an anti–atherosclerotic drug, 4–(cis–p–menthan–8–yloxy) benzanilide (YM–95831)] Ohata I. **Nippon Ika Daigaku Zasshi** 1984 Jun;51(3):302–16 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Experience with flutamide in patients with advanced prostatic cancer without prior endocrine therapy. Sogani PC, et al. **Cancer** 1984 Aug 15;54(4):744–50

Clinical efficacy and electrophysiologic effects of encainide in patients with Wolff–Parkinson–White syndrome. Prystowsky EN, et al. **Circulation** 1984 Feb;69(2):278–87

The acute antiarrhythmic effects of droxicainide and lidocaine in unanesthetized dogs. Aberg G, et al. **J Cardiovasc Pharmacol** 1984 Mar–Apr;6(2):355–60

A pilot study of flutamide. A new agent in the treatment of advanced prostatic cancer. Sarfaty GA, et al. **Med J Aust** 1984 Feb 18;140(4):219–21

[Electrophysiological effects of encainide in man] Cassagneau B, et al. **Arch Mal Coeur** 1984 Jun;77(6):707–11 (Eng. Abstr.) **(Fre)**

TOXICITY

[Hygienic characteristics of propanide manufacture] Russkikh VA, et al. **Gig Tr Prof Zabol** 1984 Mar;(3):13–6 (Eng. Abstr.) **(Rus)**

ANILINE COMPOUNDS

Reporter molecules as probes of DNA conformation: structure of a crystalline complex containing 2–methyl–4–nitroaniline ethylene dimethylammonium hydrobromide—5–iodocytidylyl (3'–5')guanosine. Vyas NK, et al. **Biochem Biophys Res Commun** 1984 May 31; 121(1):188–95

Thin layer chromatography of p–aminophenol in urine after mixed exposure to aniline and toluene. Bieniek G, et al. **Br J Ind Med** 1984 May;41(2):272–4

Peroxidase–catalyzed N–demethylation reactions. Substrate deuterium isotope effects. Kedderis GL, et al. **J Biol Chem** 1984 Mar 25;259(6):3663–8

The nature of heme–aniline interactions during hemin–mediated oxygen activation and insertion reactions. Adams PA, et al. **J Inorg Biochem** 1984 Apr;20(4):291–7

4,4'–Diaminodiphenylmethane: promoting effect on the development of thyroid tumors in rats treated with N–bis(2–hydroxypropyl)nitrosamine. Hiasa Y, et al. **JNCI** 1984 Feb;72(2):471–6

Chemically induced polycystic kidney disease. Crocker JF, et al. **Prog Clin Biol Res** 1983;140:281–96 (45 ref.)

Negative staining method with nigrosin for the detection of cryptosporidial oocysts: a comparative study. Pohjola S. **Res Vet Sci** 1984 Mar;36(2):217–9

Factors affecting the clinical value of microscopy for acid–fast bacilli. Lipsky BA, et al. **Rev Infect Dis** 1984 Mar–Apr;6(2):214–22 (38 ref.)

ADMINISTRATION & DOSAGE

[Potentiation of the antitumor activity of dioxadet by antiestrogen para–aminobenzhydrazide in a model of ovarian ascites tumor] Tret'iakov AV, et al. **Vopr Onkol** 1983;29(12):66–8 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Allergic contact dermatitis from tetryl and trinitrotoluene. Goh CL. **Contact Dermatitis** 1984 Feb;10(2):108

Occupational photosensitivity to diaminodiphenylmethane. LeVine MJ. **Contact Dermatitis** 1983 Nov;9(6):488–90

[Side effects on the nervous system caused by nithiocyamine. Clinical observation of 47 cases] Wu LS, et al. **Chung Hua Nei Ko Tsa Chih** 1983 Aug;22(8):477–9 (Eng. Abstr.) **(Chi)**

ANALYSIS

[Chromatographic methods of determining botran in water, soil and plants] Krasnykh AA, et al. **Gig Sanit** 1984 Jan; (1):50 **(Rus)**

ANTAGONISTS & INHIBITORS

Effect of Japanese seaweed (Laminaria angustata) extracts on the mutagenicity of 7,12–dimethylbenz[a]anthracene, a breast carcinogen, and of 3,2'–dimethyl–4–aminobiphenyl, a colon and breast carcinogen. Reddy BS, et al. **Mutat Res** 1984 Jul;127(2):113–8

Effect of butylated hydroxytoluene and butylated hydroxyanisole on the mutagenicity of 3,2'–dimethyl–4–aminobiphenyl. Reddy BS, et al. **Nutr Cancer** 1983;5(3–4):153–8

BLOOD

The role of hemoglobin in the N–oxidation of 4–chloroaniline. Golly I, et al. **Biochim Biophys Acta** 1983 Oct 4;760(1):69–76

Trace analysis of 2,6–disubstituted anilines in blood by capillary gas chromatography. DeLeon IR, et al. **J Anal Toxicol** 1983 Jul–Aug;7(4):185–7

CHEMICAL SYNTHESIS

[2–(Guanidino)–anilides and related compounds. Synthesis and anthelmintic effect. 3. Anthelmintics] Wollweber H, et al. **Arzneimittelforsch** 1984;34(5):531–42 (Eng. Abstr.) **(Ger)**

METABOLISM

Differentiation of endopeptidases and aminopeptidases by high–performance liquid chromatography of reaction products from chromogenic peptide p–nitroanilines as substrates. Kuwada M, et al. **Anal Biochem** 1984 Jun; 139(2):438–43

The action of chloride peroxidase on 4–chloroaniline. N–oxidation and ring halogenation. Corbett MD, et al. **Biochem J** 1980 Jun 1;187(3):893–903

Effect of acetone on aniline hydroxylation by a reconstituted system. Kitada M, et al. **Biochem Pharmacol** 1983 Nov 1; 32(21):3151–5

The formation of a novel mercapturic acid during the metabolism of an N–methyl aromatic amine, 4–cyano–N,N–dimethylaniline. Logan CJ, et al. **Biochem Pharmacol** 1984 Jul 15;33(14):2345–6

Aniline hydroxylation and 7–ethoxycoumarin O–deethylation activities in solubilized and partially resolved liver cytochromes P–450 from ethanol–fed rats. Plourde V, et al. **Can J Physiol Pharmacol** 1984 Mar;62(3):266–71

Effects of Aroclor 1254 treatment on the in vitro hepatic metabolism of toluene, aniline and aminopyrine in hybrid sunfish. Carter FD, et al. **Comp Biochem Physiol [C]** 1984; 78(1):137–40

Metabolism of 4–nitroaniline by rat liver microsomes. Anderson MM, et al. **Drug Metab Dispos** 1984 Mar–Apr; 12(2):179–85

Disposition and metabolism of p–nitroaniline in the male F–344 rat. Chopade HM, et al. **Fundam Appl Toxicol** 1984 Jun;4(3 Pt 1):485–93

Steady state kinetics of chloroperoxidase–catalyzed N–demethylation reactions. Kedderis GL, et al. **J Biol Chem** 1983 Oct 25;258(20):12413–9

Disposition and metabolism of 4–chloro–2–nitroaniline in the male F344 rat. Chopade HM, et al. **J Toxicol Environ Health** 1983 Aug–Sep;12(2–3):267–82

Enhancement of hepatic microsomal aniline hydroxylation by Habu snake (Trimeresurus flavoviridis) venom fractions. Aniya Y, et al. **Jpn J Pharmacol** 1983 Aug;33(4):795–801

Dietary selenium deficiency causes decreased N–oxygenation of N,N–dimethylaniline and increased mutagenicity of dimethylnitrosamine in the isolated rat liver/cell culture system. Olsson U, et al. **Mutat Res** 1984 Mar;126(1):73–80

Effects of triethyllead chloride on hepatic microsomal N– and C–oxygenation of N,N–dimethylaniline in rats. Odenbro A, et al. **Toxicol Appl Pharmacol** 1984 Jul; 74(3):357–63

Formation and disposition of N–hydroxylated metabolites of aniline and nitrobenzene by isolated rat hepatocytes. Blaauboer BJ, et al. **Xenobiotica** 1983 May;13(5):295–302

The metabolic fate of the herbicide nitralin in the rat. Crayford JV, et al. **Xenobiotica** 1984 Mar;14(3):221–33

The metabolism of 4–substituted N–ethyl–N–methylanilines. III. Effect of various potential inhibitors, activators and inducers on alpha–C– and N–oxidation. Gorrod JW, et al. **Xenobiotica** 1983 Sep;13(9):521–9

The metabolism of 4–substituted–N–ethyl–N–methyl–anilines. II. Some factors influencing alpha–C– and N–oxidation. Gorrod JW, et al. **Xenobiotica** 1983 Sep;13(9):513–20

[Characteristics of the ischemic disorders of xenobiotic metabolism in the liver of rats in the early and late stages of recovery] Grek OR, et al. **Farmakol Toksikol** 1984 May–Jun;47(3):114–8 (Eng. Abstr.) **(Rus)**

[3,4–dichloroaniline—a nitrogen and carbon source for a mixed culture of microorganisms] Surovtseva EG, et al. **Mikrobiologiia** 1984 Jan–Feb;53(1):10–5 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Structure–activity relationships of nitrosamines and nitramines which stimulate UDP–glucuronosyltransferase activities in vitro. Matsui M, et al. **Biochem Pharmacol** 1984 Aug 15;33(16):2647–51

Cysteamine inhibition of prolactin immunoassayability and secretion: studies with aminothiophenols and other analogs. Jacobs LS, et al. **Endocrinology** 1984 Sep;115(3):1210–7

Inhibition of estrogen synthetase (aromatase) by 4–cyclohexylaniline. Kellis JT Jr, et al. **Endocrinology** 1984 Jun;114(6):2128–37

Effects of amoscanate on the utilization of glucose by Brugia pahangi and Litomosoides carinii. Nelson NF, et al. **J Parasitol** 1984 Feb;70(1):194–6

The influence of simple aromatics on benzene clastogenicity. Harper BL, et al. **Mutat Res** 1984 Sep;128(2):105–14

Interaction of amoscanate with the cyclic AMP–phosphodiesterases from Schistosoma mansoni, Onchocerca volvulus and bovine heart. Walter RD, et al. **Tropenmed Parasitol** 1984 Jun;35(2):78–80

[Structure–activity relationship in ring–opened serotonin analogs: 3–(2–aminophenyl)–propanamine and 1–(N–piperidino)–3–(2–aminophenyl)–3–oxopropane] Müller P, et al. **Arzneimittelforsch** 1983;33(12):1628–9 (Eng. Abstr.) **(Ger)**

[Aniline modification of the mutagenic activity of cyclophosphamide in a chronic experiment on mice] Litvinov NN, et al. **Gig Sanit** 1983 Aug;(8):16–8 (9 ref.) (Eng. Abstr.) **(Rus)**

POISONING

New aniline derivatives in cooking oils associated with toxic oil syndrome [letter] Vázquez Roncero A, et al. **Lancet** 1983 Oct 29;2(8357):1024–5

Chemically induced methemoglobinemia from aniline poisoning. Kearney TE, et al. **West J Med** 1984 Feb; 140(2):282–6

THERAPEUTIC USE

Efficacy of amoscanate against experimental schistosomal infections in monkeys. Crawford KA, et al. **Am J Trop Med Hyg** 1983 Sep;32(5):1055–64

Amoscanate as a topically applied chemical for prophylaxis against Schistosoma mansoni infections in mice. Greene LK, et al. **Am J Trop Med Hyg** 1983 Nov;32(6):1356–63

Phenithionate in schistosomiasis japonica. Preliminary report of 463 cases. Liu YH, et al. **Chin Med J [Engl]** 1983 Apr; 96(4):269–74

Comparative efficacy of some benzimidazoles and amoscanate (Go.9333) against experimental filarial infections. Reddy AB, et al. **Tropenmed Parasitol** 1983 Dec; 34(4):259–62

[Clinical observation on schistosomiasis japonica treated with amoscanate and phenithionate in a hyperendemic area] Zhou GX. **Chung Hua Nei Ko Tsa Chih** 1983 Oct; 22(10):634–5 (Eng. Abstr.) **(Chi)**

[Efficacy of amoscanate derivatives in experimental schistosomiasis] Yue WJ, et al. **Yao Hsueh Hsueh Pao** 1983 Jul;18(7):541–4 (Eng. Abstr.) **(Chi)**

TOXICITY

Rat liver DNA damage by the non–hepatocarcinogen 3,2'–dimethyl–4–aminobiphenyl. Hellemann AL, et al. **Cancer Lett** 1984 Mar;22(2):211–8

Modification of the development of N–nitrosomorpholine–induced hepatic lesions by 2–acetylaminofluorene, phenobarbital and 4,4'–diaminodiphenylmethane: a sequential histological and histochemical analysis. Ito N, et al. **Carcinogenesis** 1984 Mar;5(3):335–42

Fate and effects of 3,4–dichloroaniline (DCA) in marine plankton communities in experimental enclosures. Kuiper J, et al. **Ecotoxicol Environ Safety** 1984 Feb;8(1):34–54

The induction of bacterial mutation and hepatocyte unscheduled DNA synthesis by monosubstituted anilines. Thompson CZ, et al. **Environ Mutagen** 1983;5(6):803–11

Subacute toxicity of several ring–substituted dialkylanilines in the rat. Short CR, et al. **Fundam Appl Toxicol** 1983 Jul–Aug;3(4):285–92

Some biological properties of the impure dichloride salt of tetrakis[p–(dimethylamino)phenyl]ethylene and a pinacolone. LePage GA, et al. **J Med Chem** 1983 Nov; 26(11):1645–7

Liver, kidney and small–intestine microsomal–mediated mutagenicity of carcinogenic aromatic amines. Fouarge M, et al. **Mutat Res** 1984 Jan;125(1):23–31

Subchronic oral toxicology of 4–fluoro–3–nitroaniline in the rat. Barbee SJ, et al. **Toxicol Appl Pharmacol** 1984 Mar 15;72(3):400–5

Subacute toxicity of Basalin in rats. Gupta PK, et al. **Toxicol Lett** 1983 Aug;18(1–2):13–8

Early effects of high–dosed absorbable amoscanate on rat brain. Krinke G, et al. **Toxicol Lett** 1983 Dec;19(3):261–6

[Toxic action and deratization effect of acute rodenticide] Kesiakova S, et al. **Vet Med Nauki** 1983;20(8):72–80 (Eng. Abstr.) **(Bul)**

[Characteristics of aniline, lead nitrate, carbon tetrachloride and formaldehyde as modifiers of chemical carcinogenesis] Litvinov NN, et al. **Vopr Onkol** 1984;30(4):56–60 (Eng. Abstr.) **(Rus)**

ANILINE HYDROXYLASE see under **ARYL HYDROCARBON HYDROXYLASES**

ANILINE MUSTARD see under **NITROGEN MUSTARD COMPOUNDS**

ANILINO NAPHTHALENESULFONATES

Fluorescence of actin-bound hydrophobic molecules. Burtnick LD, et al. **Can J Biochem Cell Biol** 1983 Sep; 61(9):981–8

DIAGNOSTIC USE

Modification of actin with 2-(N-methylanilino)naphthalene-6-sulfonyl chloride. Burtnick LD, et al. **Can J Biochem Cell Biol** 1984 Apr; 62(4):191–5

Interaction of native and modified Naja melanoleuca phospholipases A2 with the fluorescent probe 8-anilinonaphtalene-1-sulfonate. van Eijk JH, et al. **Eur J Biochem** 1984 Apr 16;140(2):407–13

Use of the fluorescence probe 1-anilino-8-naphthalenesulfonate in predicting interindividual differences in the plasma protein binding of acidic drugs in rats. Sato J, et al. **J Pharm Sci** 1984 Apr;73(4):519–24

METABOLISM

Location of a binding site for 1-anilinonaphthalene-8-sulfonate on calmodulin. Steiner RF. **Arch Biochem Biophys** 1984 Jan;228(1):105–12

Detection of conformational changes in chloroplast coupling factor 1 by 8-anilino-1-naphthalene-sulphonate fluorescence changes. Pick U, et al. **Eur J Biochem** 1983 Oct 3;135(3):559–67

8-Anilino-1-naphthalenesulphonate, a fluorescent probe for the regulatory light chain binding site of scallop myosin. Bennett AJ, et al. **J Muscle Res Cell Motil** 1984 Apr; 5(2):165–82

Effects of organic anions on the uptake of 1-anilino-8-naphthalenesulfonate by isolated liver cells. Sugiyama Y, et al. **J Pharm Sci** 1983 Aug;72(8):871–6

PHARMACODYNAMICS

Interaction of calf intestinal alkaline phosphatase with 8-anilinonaphthalene-1-sulphonate. Abdolrazghi Z, et al. **Enzyme** 1983;30(2):129–33

[Boundary potentials of lipid membranes in the presence of 1-anilino-8-naphthalene sulfonate ions] Ermakov IuA, et al. **Biofizika** 1983 Nov-Dec;28(6):1010–3 (Eng. Abstr.) **(Rus)**

ANIMAL COMMUNICATION

[Preverbal language of monkeys] Firsov LA. **Zh Evol Biokhim Fiziol** 1983 Jul-Aug;19(4):381–9 (40 ref.) **(Rus)**

ANIMAL DISEASES

Abstracts: annual meetings of the American Society of Animal Science. **J Anim Sci** 1984;59 Suppl 1:1–526

[Trends in research work on the infectious diseases of agricultural animals] Ivanov IN. **Vet Med Nauki** 1983; 20(10):32–9 **(Bul)**

CHEMICALLY INDUCED

Adverse reactions to drugs. Keen P, et al. **In Pract** 1983 Sep;5(5):174–80

Toxicity of organophosphorus compounds. Heavner JE, et al. **J Am Vet Med Assoc** 1984 Jan 1;184(1):30, 32

Toxicity of the ionophores [letter] **Vet Rec** 1984 Mar 17; 114(11):279

DIAGNOSIS

Improved detection of intestinal parasites. Faler K, et al. **Mod Vet Pract** 1984 Apr;65(4):273–6

[Scientific studies and the diagnosis of noninfectious diseases] Simeonov SI. **Vet Med Nauki** 1983;20(10):40–4 **(Bul)**

ECONOMICS

Economics for veterinary farm practice. Erb H. **In Pract** 1984 Mar;6(2):33–7

[Cost of illness insurance for small domestic animals. II] **Tijdschr Diergeneeskd** 1984 Feb 15;109(4):161–3 **(Dut)**

[Sickness insurance for domestic animals. III] de la Lande Cremer RM. **Tijdschr Diergeneeskd** 1984 May 1; 109(9):380–2 **(Dut)**

ETIOLOGY

High levels of ochratoxins A and B in moldy bread responsible for mycotoxicosis in farm animals. Visconti A, et al. **J Agric Food Chem** 1983 Sep-Oct;31(5):1122–3

Spontaneous arterial disease in animals [editorial] Finlayson R. **J R Soc Med** 1983 Oct;76(10):811–3

Indirect effects of soil and water on animal health. Horvath DJ, et al. **Sci Total Environ** 1984 Mar 1;34(1-2):143–56

FAMILIAL & GENETIC

Origin of white tigers at Nandankanan Biological Park, Orissa. Roychoudhury AK, et al. **Indian J Exp Biol** 1983 Jun;21(6):350–2

IMMUNOLOGY

Criteria for evaluating immunosuppression [editorial] Dohms JE, et al. **Avian Dis** 1984 Apr-Jun;28(2):305–10

MICROBIOLOGY

Species of Staphylococcus isolated from animal infections. Cox HU, et al. **Cornell Vet** 1984 Apr;74(2):124–35

Immune rabbit sera do not recognize antigenic variants of caprine arthritis–encephalitis virus isolated during persistent infection. Anderson LW, et al. **Infect Immun** 1983 Nov;42(2):845–7

Naturally occurring pasteurellosis in laboratory rabbits: chemical and serological studies of whole cells and lipopolysaccharides of Pasteurella multocida. Manning PJ. **Infect Immun** 1984 May;44(2):502–7

Isolation and identification of yeasts and yeastlike organisms from clinical veterinary sources. Chengappa MM, et al. **J Clin Microbiol** 1984 Mar;19(3):427–8

A sequential study of virus expression in retrovirus-induced arthritis of goats. Klevjer-Anderson P, et al. **J Gen Virol** 1984 Sep;65 (Pt 9):1519–25

Are seals frequently infected with avian influenza viruses? Hinshaw VS, et al. **J Virol** 1984 Sep;51(3):863–5

Lack of neutralizing antibodies to caprine arthritis–encephalitis lentivirus in persistently infected goats can be overcome by immunization with inactivated Mycobacterium tuberculosis. Narayan O, et al. **J Virol** 1984 Feb;49(2):349–55

Transmission of the hepatitis B virus–associated delta agent to the eastern woodchuck. Ponzetto A, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(7):2208–12

OCCURRENCE

Rabies in Tennessee. Hayne ST, et al. **J Tenn Med Assoc** 1984 Apr;77(4):191–5

PARASITOLOGY

Helminths of the red fox, Vulpes vulpes L., in west central Wisconsin. Dibble ED, et al. **J Parasitol** 1983 Dec; 69(6):1170–2

The epizootiology and pathology of sarcoptic mange in coyotes, Canis latrans, from south Texas. Pence DB, et al. **J Parasitol** 1983 Dec;69(6):1100–15

PHYSIOPATHOLOGY

Influence of body size in animals on health and disease. Kirkwood JK. **Vet Rec** 1983 Sep 24;113(13):287–90

PREVENTION & CONTROL

Agribusiness and animal health [letter] Pout D. **Vet Rec** 1984 Apr 7;114(14):363–4

THERAPY

Alternative veterinary medicine [letter] **Vet Rec** 1984 Mar 10;114(10):251

Alternative veterinary medicine [letter] Jagger DH. **Vet Rec** 1984 Apr 28;114(17):435

TRANSMISSION

Foreign animal disease agent survival in animal products: recent developments. Blackwell JH. **J Am Vet Med Assoc** 1984 Mar 15;184(6):674–9

URINE

Urinalysis. Ford GH. **Mod Vet Pract** 1982 Sep;63(9):741–2

ANIMAL FEED

Cholinesterase in plasma and acetylcholinesterase in erythrocytes from cattle of different breeds and ages and fed different diets. Forslund K, et al. **Acta Vet Scand** 1983; 24(3):328–30

Effects of different diets on viability, and gut morphology and bacteriology in captive willow ptarmigan chicks (Lagopus L. lagopus). Hanssen I, et al. **Acta Vet Scand** 1984;25(1):67–75

Esophagotomy in the pony: comparison of surgical techniques and form of feed. Stick JA, et al. **Am J Vet Res** 1983 Nov;44(11):2123–32

Serum erythromycin concentration in sheep fed two diets. Wilson RC, et al. **Am J Vet Res** 1984 Jun;45(6):1148–50

Farmers' exposure to formic acid vapour in silage making. Liesivuori J, et al. **Ann Occup Hyg** 1983;27(3):327–9

The occurrence of diarrhoea in calves under different management systems. Fallon RJ, et al. **Ann Rech Vet** 1983; 14(4):473–8

Rumen bacterial and fungal degradation of Digitaria pentzii grown with or without sulfur. Akin DE, et al. **Appl Environ Microbiol** 1983 Sep;46(3):738–48

Toxicologic studies with Japanese quail fed winter wheat grown on municipal sludge-amended soil. Stoewsand GS, et al. **Arch Environ Contam Toxicol** 1984 May;13(3):297–301

The association of maize silage with urea: the effect on the ammonia content of the rumen fluid, the N flow in the duodenum, the nitrogen and energy balances and the milk production. Teller E, et al. **Arch Tierernahr** 1984 Mar; 34(3):227–35

The substitution of soybean meal for urea: the effect on the ammonia content of the rumen fluid, the N flow in the duodenum, the nitrogen and energy balances and the milk production. Teller E, et al. **Arch Tierernahr** 1984 Apr; 34(4):286–94

The influence of nutrient density of broiler rations on the effective dose of anticoccidial drugs. McDougald LR, et al. **Avian Dis** 1984 Jan-Mar;28(1):70–8

The susceptibility of chicks to Salmonella montevideo in artificially contaminated poultry feed. Schleifer JH, et al. **Avian Dis** 1984 Apr-Jun;28(2):497–503

The role of condensed tannins in the nutritional value of Lotus pedunculatus for sheep. 2. Quantitative digestion of carbohydrates and proteins. Barry TN, et al. **Br J Nutr** 1984 May;51(3):493–504

The role of condensed tannins in the nutritional value of Lotus pedunculatus for sheep. 1. Voluntary intake. Barry TN, et al. **Br J Nutr** 1984 May;51(3):485–91

The voluntary food intake by growing pigs of diets containing 'treated' rapeseed meals or extracts of rapeseed meal. Lee PA, et al. **Br J Nutr** 1984 Jul;52(1):159–64

Effects of alkali treatment of wheat straw on intake and microbial protein synthesis in cattle. Sriskandarajah N, et al. **Br J Nutr** 1984 Mar;51(2):289–96

Effects of increasing the fibre content of a layer diet. Longe OG. **Br Poult Sci** 1984 Apr;25(2):187–93

A comparison of disease in calves. I. A method of disease recording and its use under different systems of feeding. Andrews AH, et al. **Br Vet J** 1983 Sep-Oct;139(5):423–30

A comparison of disease in calves. II. Effect of different management and feeding systems on one farm. Andrews AH, et al. **Br Vet J** 1983 Sep-Oct;139(5):431–9

Thymic involution in rats given diets containing dioctyltin dichloride. Miller K, et al. **Clin Immunol Immunopathol** 1984 Jan;30(1):62–70

Effects of aflatoxin ingestion on the development of Moraxella bovis infectious bovine keratoconjunctivitis. Pugh GW Jr, et al. **Cornell Vet** 1984 Apr;74(2):96–110

Effects of dietary cadmium on mallard ducklings. Cain BW, et al. **Environ Res** 1983 Dec;32(2):286–97

Standardisation of tracer and type of meal in the evaluation of gastric emptying and colon transit rates in normal beagle dogs. Dormehl IC, et al. **Eur J Nucl Med** 1984;9(1):28–32

Tissue deposition and clearance of aflatoxins from broiler chickens fed a contaminated diet. Chen C, et al. **Food Chem Toxicol** 1984 Jun;22(6):447–51

Effects of dietary cabbage, Brussels sprouts, Illicium verum, Schizandra chinensis and alfalfa on the benzo[alpha]pyrene metabolic system in mouse liver. Hendrich S, et al. **Food Chem Toxicol** 1983 Aug;21(4):479–86

Drug-nutrient interactions and their implications for safety evaluations. Conner MW, et al. **Fundam Appl Toxicol** 1984 Jun;4(3 Pt 2):S341–56

Effects of age at slaughter and feeding regime on slaughter weight and carcass composition in mice. Doolittle DP, et al. **Growth** 1984 Summer;48(2):138–47

Mathematical modeling of the relationship of feed efficiency, days to market weight, and costs of production. Miller GY, et al. **Growth** 1984 Summer;48(2):254–67

Nutrients and toxicants in rapeseed meal: a review. Bell JM. **J Anim Sci** 1984 Apr;58(4):996–1010 (103 ref.)

Effects of dam age, prepartum nutrition and duration of labor on productivity and postpartum reproduction in beef females. Doornbos DE, et al. **J Anim Sci** 1984 Jul; 59(1):1–10

The effect of diet on performance, digestibility, blood composition and intestinal microflora of weaned pigs. Etheridge RD, et al. **J Anim Sci** 1984 Jun;58(6):1396–402

The effect of diet on fecal moisture, osmolarity of fecal extracts, products of bacterial fermentation and loss of minerals in feces of weaned pigs. Etheridge RD, et al. **J Anim Sci** 1984 Jun;58(6):1403–11

Genetic and physiological aspects of growth, body composition and feed efficiency in mice: a review. Malik RC. **J Anim Sci** 1984 Mar;58(3):577–90 (87 ref.)

Effects of breed and intake level on growth and feed efficiency in ram lambs. Notter DR, et al. **J Anim Sci** 1984 Mar;58(3):560–76

Comparative digestion, rumen fermentation and kinetics of forage diets by steers and wethers. Prigge EC, et al. **J Anim Sci** 1984 Jul;59(1):237–45

A comparison of crossbred and straightbred cow-calf pairs. I. Heterosis effects on total feed efficiency. Urick JJ, et al. **J Anim Sci** 1984 May;58(5):1151–9

Observations on the enumeration of moulds in food and feedingstuffs. Jarvis B, et al. **J Appl Bacteriol** 1983 Oct; 55(2):325–36

Effect of ratio of corn silage to grass-legume silage with high concentrate during dry period on milk production

and health of dairy cows. Keys JE, et al. **J Dairy Sci** 1984 Feb;67(2):307–12

Changes of bacterial numbers and carbohydrate fermenting groups during in vitro rumen incubations with feedstuff materials. Leedle JA, et al. **J Dairy Sci** 1984 Apr; 67(4):808–16

Influence of ration physical form and nitrogen availability on ruminal morphology of growing bull calves. Nocek JE, et al. **J Dairy Sci** 1984 Feb;67(2):334–43

Influence of ration form and nitrogen availability on ruminal fermentation patterns and plasma of growing bull calves. Nocek JE, et al. **J Dairy Sci** 1984 May;67(5):1038–42

Production responses of dairy cows fed diets supplemented with ammonium salts of iso C-4 and C-5 acids. Papas AM, et al. **J Dairy Sci** 1984 Feb;67(2):276–93

Effects of propionic acid added to supplemental corn on utilization of complete ensiled diets by lactating dairy cows. Shockey WL, et al. **J Dairy Sci** 1984 May;67(5):969–77

Lead factors for total mixed ration formulation. Stallings CC, et al. **J Dairy Sci** 1984 Apr;67(4):902–7

Effect of excess dietary riboflavin on growth of rainbow trout. Hughes SG. **J Nutr** 1984 Sep;114(9):1660–3

Biotin supplementation of practical diets for channel catfish. Lovell RT, et al. **J Nutr** 1984 Jun;114(6):1092–6

Protein degradation in the rumen of sheep and cattle. Siddons RC, et al. **J Sci Food Agric** 1983 Jul;34(7):701–8

The nutritional value of cassava root meal in laying hen diets. Stevenson MH. **J Sci Food Agric** 1984 Jan;35(1):36–40

The effect on mice of practical diets containing different protein and energy levels. Ford DJ, et al. **Lab Anim** 1983 Oct;17(4):336–9

The effect on rats of practical diets containing different protein and energy levels. Ford DJ, et al. **Lab Anim** 1983 Oct;17(4):330–5

Effects of fibre on digestibility and passage time in callithricidae. Krombach F, et al. **Lab Anim** 1984 Jul; 18(3):275–9

An improved method of diet preparation for toxicological feeding experiments. Morrissey RE, et al. **Lab Anim** 1984 Jul;18(3):271–4

The effect of diet on the incidence of pituitary tumours in female Wistar rats. Pickering RG, et al. **Lab Anim** 1984 Jul;18(3):298–314

A food pelleter for experimental diets for rats. Escott ML, et al. **Lab Anim Sci** 1983 Aug;33(4):366–7

Dietary modulation of estrous cyclicity in singly and multiply housed C57BL/6J mice. Nelson JF, et al. **Lab Anim Sci** 1984 Apr;34(2):173–6

Feeding characteristics of Mongolian gerbils (Meriones unguiculatus). Otken CC, et al. **Lab Anim Sci** 1984 Apr; 34(2):181–4

Daily variations of the biosynthesis and composition of fatty acids in rats fed on complete and fat-free diets. de Gómez Dumm IN, et al. **Lipids** 1984 Feb;19(2):91–5

Influence of culture filtrate of Trichoderma viride and barley on lipid metabolism of laying hens. Qureshi AA, et al. **Lipids** 1984 Apr;19(4):250–7

Drug-resistant Salmonella from animals fed antimicrobials. Holmberg SD, et al. **N Engl J Med** 1984 Sep 6; 311(10):617–22

Playing antibiotic pool: to tally the score [editorial] Levy SB. **N Engl J Med** 1984 Sep 6;311(10):663–5

Rapeseed: constituents and protein products. Part 3. Nutritional value of protein-enriched products. Brückner J, et al. **Nahrung** 1984;28(1):45–81 (260 ref.)

Studies in canine olfaction, taste and feeding: a summing up and some comments on the academic-industrial relationship. Griffin RW, et al. **Neurosci Biobehav Rev** 1984 Summer;8(2):261–3

Heating by microwave, hot air, and flowing steam to eliminate inoculated Salmonella from poultry feed. Burdick D, et al. **Poult Sci** 1983 Sep;62(9):1780–5

Mold inhibitory activity of an N-oxime ether. Burditt SJ, et al. **Poult Sci** 1983 Nov;62(11):2183–6

The effect of feeding a semipurified diet to chickens infected with coccidia. Colnago GL, et al. **Poult Sci** 1984 Apr; 63(4):639–46

Salmonella and other Enterobacteriaceae found in commercial poultry feed. Cox NA, et al. **Poult Sci** 1983 Nov;62(11):2169–75

Correlation of protein content of feedstuffs with the magnitude of nitrogen correction in true metabolizable energy determinations. Dale N, et al. **Poult Sci** 1984 May; 63(5):1008–12

Available biotin content of various feed ingredients. Frigg M. **Poult Sci** 1984 Apr;63(4):750–3

Interrelationship between phosphorus, sodium, and chloride in the diet of laying hens. Junqueira OM, et al. **Poult Sci** 1984 Jun;63(6):1229–36

Influence of nutritional modification on skeletal size of Leghorn and broiler breeder pullets. Leeson S, et al. **Poult Sci** 1984 Jun;63(6):1222–8

Effect of previous diet on feed intake and body weight gain of broiler and Leghorn chicks. Newcombe M, et al. **Poult Sci** 1984 Jun;63(6):1237–42

Effect of diet and early quantitative feed restriction on the minimum weight requirement for onset of sexual maturity in white rock broiler breeders. Soller M, et al. **Poult Sci** 1984 Jun;63(6):1255–61

Fluoride tolerance of the young chick and turkey poult. Suttie JW, et al. **Poult Sci** 1984 Apr;63(4):738–43

Aflatoxicol and aflatoxins B1 and M1 in eggs and tissues of laying hens consuming aflatoxin-contaminated feed. Trucksess MW, et al. **Poult Sci** 1983 Nov;62(11):2176–82

Bioavailability of phosphorus in commercial phosphate supplements for turkeys. Waibel PE, et al. **Poult Sci** 1984 Apr;63(4):730–7

Influence of diet on postweaning malabsorption and diarrhoea in the pig. Miller BG, et al. **Res Vet Sci** 1984 Mar;36(2):187–93

Antibiotics and animal feed: a smoking gun [news] Sun M. **Science** 1984 Sep 21;225(4668):1375

Tiamulin feed premix in the improvement of growth performance of pigs in herds severely affected with enzootic pneumonia. Burch DG. **Vet Rec** 1984 Mar 3; 114(9):209–11

Creep feeding and post weaning diarrhoea in piglets. Miller BG, et al. **Vet Rec** 1984 Mar 24;114(12):296–7

Use of antibiotics [letter] Smith HW. **Vet Rec** 1984 Feb 18; 114(7):174

Review of antimicrobial growth promoting agents available. Droumev D. **Vet Res Commun** 1983 Dec;7(1–4):85–99 (66 ref.)

A radiographic study on the skeletal development in Swedish dairy cattle breeds on different rearing intensities. Holmberg T, et al. **Zentralbl Veterinarmed [A]** 1984 Apr; 31(3):193–204

[Populations of harmful rodents on commercial swine-breeding farms and their effect on the technology of swine feeding] Bildirev N, et al. **Vet Med Nauki** 1983; 20(7):44–8 (Eng. Abstr.) **(Bul)**

[Single-cell bacterial protein in the mixed feeds for early weaned piglets] Bokhorov O, et al. **Vet Med Nauki** 1983; 20(5–6):34–40 (Eng. Abstr.) **(Bul)**

[Amino acid bioconversion in the feed for broilers under different breeding rates] Dzhankov T. **Vet Med Nauki** 1984; 21(1):58–66 (Eng. Abstr.) **(Bul)**

[Effect of movement on feed digestibility and reproduction in pregnant dry cows] Ganovski Kh. **Vet Med Nauki** 1984; 21(1):98–102 (Eng. Abstr.) **(Bul)**

[Effect of different-sized rations on the physiology of the digestive and metabolic processes in sheep] Ganovski Kh. **Vet Med Nauki** 1983;20(3–4):114–9 (Eng. Abstr.) **(Bul)**

[Qualitative indices of the meat of calves fed a diet containing heat-treated manure litter] Kirov KD, et al. **Vet Med Nauki** 1984;21(3):62–6 (Eng. Abstr.) **(Bul)**

[Effect of Bulgarian potassium-calcium zeolites on the assimilation of macro- and trace elements in lambs] Petkova E, et al. **Vet Med Nauki** 1983;20(8):36–40 (Eng. Abstr.) **(Bul)**

[The effect of preventive administration of vitamin A and E to piglets fed a complete mixture] Dvořák M. **Vet Med (Praha)** 1983 Nov;28(11):641–50 (Eng. Abstr.) **(Cze)**

[Increasing the effectiveness of feed mixtures for the early weaning of piglets with the addition of fats or growth stimulators] Dvořák M. **Vet Med (Praha)** 1984 Mar; 29(3):151–62 (Eng. Abstr.) **(Cze)**

[Evaluation of the microbiological contamination of a milk feeding mixture (MKS)—Selasan] Olbrichová D, et al. **Vet Med (Praha)** 1984 Feb;29(2):95–100 (Eng. Abstr.) **(Cze)**

[The effect of feeding silage juices on selected hematologic and biochemical parameters in the blood (serum) and urine of feedlot bulls] Vojtíšek B, et al. **Vet Med (Praha)** 1984 Jan;29(1):19–28 (Eng. Abstr.) **(Cze)**

[Animal feed additives, veterinary drugs and the environment] de Roij TA, et al. **Tijdschr Diergeneeskd** 1983 Sep 1;108(17):665–71 (Eng. Abstr.) **(Dut)**

[Formula and technic starting from local raw materials concerning the nutrition of laboratory mice in tropical climate] Traore I, et al. **Acta Leprol (Geneve)** 1983 Jul–Sep; (92):183–6 **(Fre)**

[Effect of the replacement of a part of the tallow in a milk supply with tricaprylin or coconut oil on the use of energy and nitrogen by the preruminant calf] Aurousseau B, et al. **Reprod Nutr Dev** 1984;24(3):265–79 (Eng. Abstr.) **(Fre)**

[Feeding behavior, rumination, reticulo-ruminal fermentation and plasma volatile fatty acids, compared in goats and sheep; influence of the diet] Focant M. **Reprod Nutr Dev** 1984;24(3):239–50 (Eng. Abstr.) **(Fre)**

[Nitrogen and mineral metabolism of growing lambs fed straw treated in different ways] Becker K, et al. **Arch Tierernahr** 1984 Mar;34(3):219–25 (Eng. Abstr.) **(Ger)**

[Oral and intramuscular ferridextran intervention in male breeding calves. 3. Nutrient and feed uptake during the stay in the weaning range] Bünger U, et al. **Arch Tierernahr** 1984 Jan;34(1):65–81 (Eng. Abstr.) **(Ger)**

[Oral and intramuscular intervention with dextriferron in growing male calves. 4. Development of food intake during the suckling period] Bünger U, et al. **Arch Tierernahr** 1984 Apr;34(4):271–85 (Eng. Abstr.) **(Ger)**

[Comparative studies of the digestibility of wheat straw pellets with different proportions of concentrated feed in sheep and bulls. 2. Rumen fermentation studies] Klenke EF, et al. **Arch Tierernahr** 1984 Mar;34(3):237–46 (Eng. Abstr.) **(Ger)**

[Nitrogen metabolism in growing swine with special reference to the efficacy of lysine from various lysine sources] Liebert F, et al. **Arch Tierernahr** 1984 May–Jun; 34(5–6):379–85 (Eng. Abstr.) **(Ger)**

[Using rumen contents of slaughtered cattle as feed. 2. Urea-preserved rumen contents as cattle fodder] Coenen M, et al. **Berl Munch Tierarztl Wochenschr** 1984 May 1; 97(5):155–62 (Eng. Abstr.) **(Ger)**

[Feeding with the rumen contents of slaughtered cattle. 1. Preservation of partly dehydrated rumen contents with urea and their composition] Meyer H, et al. **Berl Munch Tierarztl Wochenschr** 1984 Apr 1;97(4):123–30 (Eng. Abstr.) **(Ger)**

[Reciprocal sucking behavior of calves raised artificially] Sambraus HH. **Berl Munch Tierarztl Wochenschr** 1984 Apr 1;97(4):119–23 (Eng. Abstr.) **(Ger)**

[Meat hygiene and feed technology studies of the use of industrially dried laying-hen excreta in beef cattle production. 1. Microbiological, feed analysis and residual quality of dried laying-hen excreta and corn silage used as basic feedstuff] Troeger K, et al. **Berl Munch Tierarztl Wochenschr** 1983 Nov 1; 96(11):388–97 (Eng. Abstr.) **(Ger)**

[Follow-up studies of various blood parameters in calves during the fattening period using milk replacers] Schlerka G, et al. **DTW** 1984 Mar 8;91(3):87–92 (Eng. Abstr.) **(Ger)**

[Urticaria and Quincke's edema caused by chironomid larva (Chironomus thummi thummi) as fishfood] Mittelbach F. **Z Hautkr** 1983 Nov 1;58(21):1548–55 (Eng. Abstr.) **(Ger)**

[Silofiller's disease] Hortemo S, et al. **Tidsskr Nor Laegeforen** 1983 Jun 10;103(16):1330–1 (Eng. Abstr.) **(Nor)**

[Chronic respiratory tract diseases in workers in the animal feed processing industry] Swiderski M, et al. **Wiad Lek** 1983 Nov 1;36(21):1763–8 (Eng. Abstr.) **(Pol)**

[Hygienic problems of using excess active sludge in animal husbandry] Kononko LN, et al. **Gig Sanit** 1983 Jun;(6):84–5 **(Rus)**

[Hygienic evaluation of the meat of pigs given a feed concentrate prepared from overflow active sludge] Kononko LN, et al. **Vopr Pitan** 1984 Mar–Apr;(2):55–7 (Eng. Abstr.) **(Rus)**

[Volatile fatty acids in the rumen of sheep fed a synthetic diet] Baran M, et al. **Vet Med (Praha)** 1983 Aug; 28(8):493–501 (Eng. Abstr.) **(Slo)**

[The effect of feeding zeolite (clinoptilolite) on the health status of sheep] Bartko P, et al. **Vet Med (Praha)** 1983 Aug; 28(8):481–92 (Eng. Abstr.) **(Slo)**

[Supplementation of swine feed rations with zeolite during cage rearing] Bartko P, et al. **Vet Med (Praha)** 1983 Jul; 28(7):429–35 (Eng. Abstr.) **(Slo)**

[The effect of a protein-free diet on the submicroscopic structure of striated muscles in Japanese quail] Belák M, et al. **Vet Med (Praha)** 1984 Feb;29(2):121–6 (Eng. Abstr.) **(Slo)**

[The effect of zeolite (clinoptilolite) on the post-feeding dynamics of N metabolism in the portal vein, jugular vein and the rumen fluid of bulls] Jacobi U, et al. **Vet Med (Praha)** 1984 Apr;29(4):207–16 (Eng. Abstr.) **(Slo)**

ADVERSE EFFECTS

Comparative biochemical and pathological studies on acute ruminal acidosis induced by molasses and grain feeding in buffalo calves (Bubalus bubalis). Randhawa SS, et al. **Acta Vet Acad Sci Hung** 1982;30(4):257–64

Indigestion in young calves. VI. Studies of diarrheic calves fed milk replacers made of normal and heat-treated skim milk and whey powder. Landsverk T, et al. **Acta Vet Scand** 1983;24(4):431–45

Dietary regimen, rotavirus, and hemolytic enteropathogenic Escherichia coli in weanling diarrhea of pigs. Lecce JG. **Ann Rech Vet** 1983;14(4):463–8

The role of dietary antigen in the aetiology of post weaning diarrhoea. Miller B, et al. **Ann Rech Vet** 1983;14(4):487–92

Myopathy in sheep fed grain and/or cereal roughage. Peet R, et al. **Aust Vet J** 1983 Oct;60(10):311–2

Diabetes mellitus in sand rats (Psammomys obesus). Metabolic pattern during development of the diabetic syndrome. Marquié G, et al. **Diabetes** 1984 May; 33(5):438–43

Steatitis and fat necrosis in captive alligators. Larsen RE, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1202–4

Some nutritional aspects of colic in horses. Hintz HF. **Mod Vet Pract** 1984 May;65(5):A9–12

Weight loss associated with urea-molasses mixture [letter] Ferens PR. **Vet Rec** 1984 Feb 18;114(7):175

Ketosis in dairy cows caused by low levels of lincomycin in concentrate feed. Rice DA, et al. **Vet Rec** 1983 Nov 19;113(21):495–6

Botulism-like signs in horses fed 'big bale' silage [letter] Ricketts SW, et al. **Vet Rec** 1984 Jan 14;114(2):51

ANALYSIS

Selenium concentrations in feeds and effects of treating pregnant Holstein cows with selenium and vitamin E on blood selenium values and reproductive performance. Kappel LC, et al. **Am J Vet Res** 1984 Apr;45(4):691–4

Determination of ronidazole in animal feeds by high-performance liquid chromatography. **Analyst** 1983 Dec;108(1293):1521–4

Determination of halofuginone hydrobromide in medicated animal feeds. **Analyst** 1983 Oct;108(1291):1252–6

Comparison of three methods for the determination of urea in compound feed and silage. O'Keeffe M, et al. **Analyst** 1983 Nov;108(1292):1374–9

Spectrophotometric method for the quantitative analysis of carbarsone in turkey feed. Hellmann MA. **Bull Environ Contam Toxicol** 1983 Aug;31(2):235–8

Aflatoxin distribution in edible oil–extracting plants and in poultry feedmills. Abalaka JA. **Food Chem Toxicol** 1984 Jun;22(6):461–3

Bromide–ion residues in food and feedstuffs. Greve PA. **Food Chem Toxicol** 1983 Aug;21(4):357–9

II.4.b Determination of volatile nitrosamines in food, animal feed and other biological materials by low–temperature vacuum distillation and chemiluminescence detection. Eisenbrand G, et al. **IARC Sci Publ** 1983;45:181–203

Food and animal feed. General aspects. Eisenbrand G, et al. **IARC Sci Publ** 1983;45:163–9

A versatile method for the determination of volatile nitrosamines in foods, beverages and animal feed. Sen NP. **IARC Sci Publ** 1983;45:170–2

II.6.e Silages. van Broekhoven LW, et al. **IARC Sci Publ** 1983;45:279–82

Vitamin E content of feedstuffs determined by high–performance liquid chromatographic fluorescence. Cort WM, et al. **J Agric Food Chem** 1983 Nov–Dec; 31(6):1330–3

High temperature purge and trap procedure for determining seven volatile N–nitrosamines in animal feed, using gas chromatography/thermal energy analyzer. Billedeau SM, et al. **J Assoc Off Anal Chem** 1984 May–Jun;67(3):557–62

Automated determination of alpha–tocopherol in food and feed. Part 2. Continuous flow technique. Bourgeois CF, et al. **J Assoc Off Anal Chem** 1984 May–Jun;67(3):631–4

Specific determination of alpha–tocopherol in food and feed by fluorometry. Part 1. Manual method. Bourgeois CF, et al. **J Assoc Off Anal Chem** 1984 May–Jun;67(3):627–30

Liquid chromatographic determination of sodium salinomycin in feeds, with post–column reaction. Goras JT, et al. **J Assoc Off Anal Chem** 1984 Jul–Aug;67(4):701–6

Rapid liquid chromatographic determination of aflatoxins in heavily contaminated corn. Hutchins JE, et al. **J Assoc Off Anal Chem** 1983 Nov;66(6):1458–65

Rapid assay for tetracycline in premixes and mixed feeds. Katz JM, et al. **J Assoc Off Anal Chem** 1984 May–Jun; 67(3):576–9

Pad–plate diffusion assay for virginiamycin in mash–type feeds. Katz SE, et al. **J Assoc Off Anal Chem** 1984 May–Jun;67(3):569–72

Gas chromatographic–mass spectrometric detection and quantitation of lincomycin in animal feedingstuffs. McMurray CH, et al. **J Assoc Off Anal Chem** 1984 May–Jun;67(3):582–8

Identification and semiquantitation of monensin sodium in animal feeds by thin layer bioautography. Martinez EE, et al. **J Assoc Off Anal Chem** 1983 Nov;66(6):1506–9

Effects of grinding and storage for one month on retention of vitamin A in premixes and mineral supplements. Parrish DB, et al. **J Assoc Off Anal Chem** 1983 Sep;66(5):1306–8

Liquid chromatographic determination of the plant estrogens coumestrol and isoflavones in animal feed. Pettersson H, et al. **J Assoc Off Anal Chem** 1984 May–Jun;67(3):503–6

Simple colorimetric estimation of cyclopiazonic acid in contaminated food and feeds. Rathinavelu A, et al. **J Assoc Off Anal Chem** 1984 Jan–Feb;67(1):38–40

Ion–pair reverse phase liquid chromatographic determination of sodium acifluorfen in feed. Roy TA, et al. **J Assoc Off Anal Chem** 1983 Nov;66(6):1319–21

Liquid chromatographic determination of oxfendazole in swine feeds. Shah G, et al. **J Assoc Off Anal Chem** 1984 Jul–Aug;67(4):707–14

Liquid chromatographic and ultraviolet spectrophotometric determination of bevantolol and hydrochlorothiazide in feeds. Spurlock CH, et al. **J Assoc Off Anal Chem** 1984 Mar–Apr;67(2):321–4

Rapid thin layer chromatographic method for determination of zearalenone and zearalenol in grains and animal feeds. Swanson SP, et al. **J Assoc Off Anal Chem** 1984 May–Jun; 67(3):580–2

Quantitative determination of ethylenediamine in a laboratory rodent diet by high–performance liquid chromatography. Chu SC, et al. **J Chromatogr** 1983 Dec 16;280(2):394–9

Trace analysis of the antihistamines methapyrilene hydrochloride, pyrilamine maleate and triprolidine hydrochloride monohydrate in animal feed, human urine and wastewater by high–performance liquid chromatography and gas chromatography with nitrogen–phosphorus detection. Thompson HC Jr, et al. **J Chromatogr** 1984 Jan 20;283:251–64

Rapid determination of aflatoxin B1 in Dutch feeding stuffs by high–performance liquid chromatography and post–column derivatization. Tuinstra LG, et al. **J Chromatogr** 1983 Dec 30;282:457–62

Prediction of sheep responses by near infrared reflectance spectroscopy. Eckman DD, et al. **J Dairy Sci** 1983 Sep; 66(9):1983–7

High–performance liquid chromatographic determination of vitamin D in foods, feeds and pharmaceuticals by successive use of reversed–phase and straight–phase columns. Takeuchi A, et al. **J Nutr Sci Vitaminol (Tokyo)** 1984 Feb;30(1):11–25

Tissue lead distribution and hematologic effects in American kestrels (Falco sparverius L.) fed biologically incorporated lead. Custer TW, et al. **J Wildl Dis** 1984 Jan;20(1):39–43

Content of commercial dog foods [letter] Anderson RS, et al. **Vet Rec** 1984 Mar 24;114(12):302–3

Fat, calcium and lead content of some commercial dog foods in Australia. Hamir AN, et al. **Vet Rec** 1984 Feb 11; 114(6):145–6

Mycotoxin detection using a Muscovy duckling bioassay [letter] Shlosberg A, et al. **Vet Rec** 1984 Apr 14;114(15):387

The occurrence of mycotoxins in cereals and animal feed–stuffs. Buckle AE. **Vet Res Commun** 1983 Dec; 7(1–4):171–86

[Chemical composition of the most frequently encountered Black Sea algae and a trial of their biological activity on the laying capacity of hens] Bratova K, et al. **Vet Med Nauki** 1983;20(7):83–8 (Eng. Abstr.) **(Bul)**

[Stability and distribution of oxytetracycline HCl during manufacture and storage of pig feed under field conditions] Counotte GH, et al. **Tijdschr Diergeneeskd** 1984 May 1; 109(9):339–44 (Eng. Abstr.) **(Dut)**

[A comparison of 3 isolation methods for the demonstration of Salmonella bacteria in fryer–chicken feed] Mulder RW, et al. **Tijdschr Diergeneeskd** 1984 Mar 1;109(5):186–9 (Eng. Abstr.) **(Dut)**

[Ion–pair assay of lupanine and sparteine in seeds and meals of lupine with dietary potential] Mérillon JM, et al. **Ann Pharm Fr** 1983;41(2):177–84 (Eng. Abstr.) **(Fre)**

[Evaluation of the stomach contents of slaughtered pigs in animal nutrition] Kamphues J, et al. **Berl Munch Tierarztl Wochenschr** 1984 Jun 1;97(6):202–5 (Eng. Abstr.) **(Ger)**

[Current results of veterinary feed advisement. 4. Composition of green forage and silage for ruminants: studies of single feeds for ruminants in problem stocks (a report of experience)] Drochner W, et al. **DTW** 1984 Feb 7;91(2):61–6 (Eng. Abstr.) **(Ger)**

[Availability and analysis of sulfadimidine from feed] Kreisner M, et al. **DTW** 1984 May 7;91(5):193–7 (Eng. Abstr.) **(Ger)**

[Distribution of calcium contents in commercially–produced feed for laying hens] Hering D. **Nahrung** 1984;28(2):115–24 (Eng. Abstr.) **(Ger)**

[Quantitative determination of toxic elements in microbiologically produced technical protein feeds. 3. Photometric determination of trace amounts of arsenic using silver diethyldithiocarbamate and the atomic absorption spectrometry–hydride technic] Wittig H, et al. **Nahrung** 1984;28(2):191–8 (Eng. Abstr.) **(Ger)**

[Control of the fermentation activity during ensilage of Lolium italicum A. Br. and Medicago sativa L.] Ozino Marletto OI, et al. **G Batteriol Virol Immunol** 1982 Jul–Dec; 75(7–12):211–23 (Eng. Abstr.) **(Ita)**

[Evolution of microflora during the conservation of forage in microsilos] Ozino Marletto OI, et al. **G Batteriol Virol Immunol** 1982 Jan–Jun;75(1–6):69–81 (Eng. Abstr.) **(Ita)**

[Patulin: methods of determination and occurrence] Wiśniewska H, et al. **Przegl Lek** 1983;40(7):591–2 (Eng. Abstr.) **(Pol)**

[Principles and methods of hygienic evaluation of new protein products] Maistruk PN, et al. **Vopr Pitan** 1984 Mar–Apr;(2):3–7 (Eng. Abstr.) **(Rus)**

POISONING

Note the risk for copper poisoning in sheep. Naculér A, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1983 Aug; 91(4):291–2

Acute toxicosis in swine associated with excessive dietary intake of vitamin D. Long GG. **J Am Vet Med Assoc** 1984 Jan 15;184(2):164–70

Iodine toxicosis in six herds of dairy cattle. Olson WG, et al. **J Am Vet Med Assoc** 1984 Jan 15;184(2):179–81

Accidental monensin sodium intoxication of feedlot cattle. Schweitzer D, et al. **J Am Vet Med Assoc** 1984 May 15; 184(10):1273–6

Evaluation of amino acids, B vitamins and butylated hydroxyanisole as protective agents against pyrrolizidine alkaloid toxicity in rats. Garrett BJ, et al. **J Anim Sci** 1984 Jan;58(1):138–44

Hepatic metabolism and bioactivation of mycotoxins and plant toxins. Swick RA. **J Anim Sci** 1984 Apr;58(4):1017–28 (99 ref.)

Loline alkaloids in tall fescue hay and seed and their relationship to summer fescue toxicosis in cattle. Jackson JA Jr, et al. **J Dairy Sci** 1984 Jan;67(1):104–9

Fatal myocarditis in mice fed rancid purified feed. Kusewitt DF, et al. **Lab Anim Sci** 1984 Feb;34(1):70–4

Toxic manifestations in a dairy herd consuming haylage contaminated by lead. Frape DL, et al. **Vet Rec** 1984 Jun 23;114(25):615–6

Haemorrhagic syndrome of cattle associated with the feeding of sweet vernal (Anthoxanthum odoratum) hay containing dicoumarol. Pritchard DG, et al. **Vet Rec** 1983 Jul 23; 113(4):78–84

RADIATION EFFECTS

[Disinfection of small volumes of feed and litter material for laboratory animals in vivaria] Beliakov VA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Feb;(2):52–5 (Eng. Abstr.) **(Rus)**

STANDARDS

[Marginal notes on the admissibility and the application of veterinary drugs and animal feed additives] van Miert AS. **Tijdschr Diergeneeskd** 1983 Sep 1;108(17):653–9 (Eng. Abstr.) **(Dut)**

TOXICITY

Effects of dietary copper and molybdenum on tansy ragwort (Senecio jacobaea) toxicity in sheep. White RD, et al. **Am J Vet Res** 1984 Jan;45(1):159–61

Toxic effects of fermented and unfermented sorghum meal diets naturally contaminated with mycotoxins. Kazanas N, et al. **Appl Environ Microbiol** 1984 May;47(5):1118–25

Apparent lack of toxicity of jute (Corchorus olitorius) seed for poultry. Johnson SJ, et al. **Aust Vet J** 1984 Apr; 61(4):124

Toxic effects of aflatoxin B1 in chickens given feed contaminated with Aspergillus flavus and reduction of the toxicity by activated charcoal and some chemical agents. Dalvi RR, et al. **Avian Dis** 1984 Jan–Mar;28(1):61–9

Selenium toxicity and porcine focal symmetrical poliomyelomalacia: description of a field outbreak and experimental reproduction. Wilson TM, et al. **Can J Comp Med** 1983 Oct;47(4):412–21

Some food additives, feed additives and naturally occurring substances. **IARC Monogr Eval Carcinog Risk Chem Hum** 1983 Jul; 31:1–291

Survey of vomitoxin–contaminated feed grains in midwestern United States, and associated health problems in swine. Côté LM, et al. **J Am Vet Med Assoc** 1984 Jan 15; 184(2):189–92

Toxic factors in tall fescue. Hemken RW, et al. **J Anim Sci** 1984 Apr;58(4):1011–6 (33 ref.)

Summer fescue toxicity in dairy steers fed tall fescue seed. Jackson JA Jr, et al. **J Anim Sci** 1984 May;58(5):1057–61

Influence of molybdenum and sulfate supplementation and withdrawal of diets containing high copper broiler litter on tissue copper levels in ewes. Olson KJ, et al. **J Anim Sci** 1984 Jul;59(1):210–6

Feeding Great Lakes fish to mink: effects on mink and accumulation and elimination of PCBS by mink. Hornshaw TC, et al. **J Toxicol Environ Health** 1983 Apr–Jun; 11(4–6):933–46

Absence of mutagenic activity of fodder proteins in the Ames Salmonella/microsome test. Pahlman R, et al. **Mutat Res** 1983 Sep;121(3–4):177–84

Toxicity of jimson weed seed and cocoa shell meal to broilers. Day EJ, et al. **Poult Sci** 1984 Mar;63(3):466–8

Toxicity of Aspergillus ochraceus contaminated wheat and different chemical forms of ochratoxin A in broiler chicks. Manning RO, et al. **Poult Sci** 1984 Mar;63(3):458–65

Feed associated haemorrhagic disorder in pigs accompanied by pancreatic lesions. Shreeve BJ, et al. **Vet Rec** 1983 Jul 30;113(5):102–4

[Experimental study of the biological action of feed protein dust via inhalational uptake] Nemyria VI, et al. **Gig Sanit** 1984 Feb;(2):26–30 (Eng. Abstr.) **(Rus)**

[Hygienic standard for feed methionine in the atmosphere] Tkachev PG, et al. **Gig Sanit** 1983 Jun;(6):20–2 (Eng. Abstr.) **(Rus)**

[Effect of the meat of farm animals fed new nitrogen–containing food additives on the morphologic features of the internal organs in the rat] Kryshevich LP, et al. **Vopr Pitan** 1984 Jan–Feb;(1):68–70 (Eng. Abstr.) **(Rus)**

ANIMAL HUSBANDRY

see related

VETERINARY MEDICINE

Attempts at aerosol control in a turkey rearing confinement with negative air ionization. Parker S, et al. **Am Ind Hyg Assoc J** 1983 Dec;44(12):911–5

Acute effects of the work environment on pulmonary functions of swine confinement workers. Donham KJ, et al. **Am J Ind Med** 1984;5(5):367–75

Effect of gastric–feeding on feed consumption, growth, organ size, and body composition of swine. Pekas JC. **Appetite** 1983 Jun;4(2):87–95

Behavior of amitraz in cattle dipping baths. McDougall KW, et al. **Aust Vet J** 1984 May;61(5):137–40

Cross–sectional growth of nomadic Turkana pastoralists. Little MA, et al. **Hum Biol** 1983 Dec;55(4):811–30

The utilization of isozymes as gene markers in fisheries management and conservation. Shaklee JB. **Isozymes Curr Top Biol Med Res** 1983;11:213–47

A perspective on animal rights and domestic animals . Jacobs FS. **J Am Vet Med Assoc** 1984 Jun 1;184(11):1344–5

Status of animal welfare awareness of producers and direction of animal welfare research in the future. Albright JL. **J Dairy Sci** 1983 Oct;66(10):2208–20 (77 ref.)

Factors influencing salmonella shedding in broiler chickens. Gustafson RH, et al. **J Hyg (Lond)** 1984 Jun;92(3):385–94

Methods for transport and long–term maintenance of spiny dogfish sharks. Jones RT, et al. **Lab Anim Sci** 1983 Aug; 33(4):388–9

Trapping, care, and laboratory management of the silvered leaf monkey (Presbytis cristatus). Palmieri JR, et al. **Lab Anim Sci** 1984 Apr;34(2):194–7

Causes and control of sow losses. Straw B.

Mod Vet Pract 1984 May;65(5):349–53

Sheep farming in Greenland. Its history, managemental practices and disease problems. Rose CH, et al. **Nord Vet Med** 1984 Mar–Apr;36(3–4):65–76

Maximizing the utilization of the male breeder: a review. Sexton TJ. **Poult Sci** 1983 Aug;62(8):1700–10 (109 ref.)

Reproductive efficiency of exotic dairy cattle under tropical conditions. Fatunmbi OO, et al. **Rev Elev Med Vet Pays Trop** 1983;36(4):403–7

Preliminary observations on relative areas of oocyst concentrations in commercial deep litter houses. Majaro OM. **Rev Elev Med Vet Pays Trop** 1983;36(4):347–50

The Taub case [letter] Morrison AR, et al. **Science** 1984 Aug 31;225(4665):878

The effect of soft-wood sawdust bedding on the maturation of an infection of Schistosoma mansoni in mice exposed to cercariae via the tail or abdominal skin [letter] Wilson RA, et al. **Trans R Soc Trop Med Hyg** 1984;78(3):411–2

Comparative performance of intensively managed Khaki Campbell and native Indonesian ducks. Hetzel DJ. **Trop Anim Health Prod** 1984 Feb;16(1):39–46

The economics of herd health programs. MacKay RD. **Vet Clin North Am [Large Anim Pract]** 1984 Jul;6(2):401–28

Aviculture medicine of psittacine birds. Flammer K. **Vet Clin North Am [Small Anim Pract]** 1984 Mar; 14(2):381–401

Alternate grazing of horses and sheep as control for gastro-intestinal helminthiasis in horses. Eysker M, et al. **Vet Parasitol** 1983 Oct;13(3):273–80

Coccidiosis in preruminating calves the effect of management and short-term treatment on the spread of infection and reinfection. Pavlásek I, et al. **Vet Parasitol** 1984 Jan; 14(1):7–12

The trichostrongylid egg output during spring in feedlot cattle. Schillhorn van Veen TW, et al. **Vet Parasitol** 1984 Mar;14(2):159–63

Animal housing and welfare. Ewbank R. **Vet Rec** 1983 Dec 17;113(25):593–5

Wooldridge memorial lecture. Wild; captive; dead. Harrison RJ. **Vet Rec** 1983 Oct 8;113(15):342–7

Pig housing and environment. Muirhead MR. **Vet Rec** 1983 Dec 17;113(25):587–93

Abomasal displacement in a changing husbandry and its treatment. Sutherland FR. **Vet Rec** 1984 Jul 14;115(2):33–5

Problems concerned with the development of new drugs for the livestock industry. Brander GC. **Vet Res Commun** 1983 Dec;7(1–4):391–7

[Seasonal dynamics of the main helminthiases on a sheep farm pasture] Denev I, et al. **Vet Med Nauki** 1984;21(1):81–8 (Eng. Abstr.) **(Bul)**

[Ecology applied to technologies—a qualitatively new method of service in animal husbandry] Petkov G. **Vet Med Nauki** 1983;20(10):13–22 **(Bul)**

[The present epizootological situation in intensively bred cattle in relation to the morbidity and mortality of calves during their rearing] Menšík J, et al. **Vet Med (Praha)** 1984 Jan;29(1):47–64 (Eng. Abstr.) **(Cze)**

[The effect of feeding silage juices on selected hematologic and biochemical parameters in the blood (serum) and urine of feedlot bulls] Vojtíšek B, et al. **Vet Med (Praha)** 1984 Jan;29(1):19–28 (Eng. Abstr.) **(Cze)**

[Integrated monitoring of the meat production chain and the interest of the stock-farmer] Meijer GA. **Tijdschr Diergeneeskd** 1984 Apr 1;109(7):290–1 (Eng. Abstr.) **(Dut)**

[Endocrinology and animal production] Blum JW. **Schweiz Arch Tierheilkd** 1983 Dec;125(12):827–50 (28 ref.) (Eng. Abstr.) **(Ger)**

[Epidemiology of chronic non-specific lung disease in persons employed in animal production] Bona K, et al. **Z Erkr Atmungsorgane** 1983;161(3):274–8 (Eng. Abstr.) **(Ger)**

[Comparison of the antibiotic resistance of S. aureus strains isolated from humans and industrially bred animals] Witte W, et al. **Z Gesamte Hyg** 1983 Jul;29(7):384–7 (Eng. Abstr.) **(Ger)**

[The nature, importance, and control of hospital infections in animal production] Mayr A. **Zentralbl Veterinarmed [B]** 1983 Oct;30(9):637–59 (Eng. Abstr.) **(Ger)**

[History of the development of laboratory animal science in Japan—recollections of a laboratory animal scientist] Tajima Y. **Jikken Dobutsu** 1984 Jan;33(1):1–23 **(Jpn)**

[Changes in the organs of the lesser pelvis in women employed in dairy cattle breeding farms in the light of the ergonomic evaluation of their work place] Adamski S. **Ann Acad Med Stetin** 1983;29:357–70 (8 ref.) (Eng. Abstr.) **(Pol)**

[Effect of microclimate, supplementary mineral elements Cu, Mn and Zn and vitamins A + D3 on selected blood indicators and piglet rearing] Białkowski Z. **Pol Arch Weter** 1983;23(4):23–35 (Eng. Abstr.) **(Pol)**

[Occurrence of Listeria , Bedsonia, Leptospira and Brucella antibodies in workers on animal husbandry farms in Wielkopolska] Juszczyk J, et al. **Przegl Epidemiol** 1984; 38(1):11–8 (Eng. Abstr.) **(Pol)**

[Serological tests for Brucella among workers occupationally exposed to infection in the Wielkopolska region] Juszczyk J, et al. **Przegl Epidemiol** 1983;37(3–4):315–24 (Eng. Abstr.) **(Pol)**

[Hygienic evaluation of the working conditions on commercial animal husbandry-farm complexes in connection with the use of fields for plowing under] Fokin IuV, et al. **Gig Sanit** 1983 Jun;(6):77–8 **(Rus)**

[Hygienic problems of using excess active sludge in animal husbandry] Kononko LN, et al. **Gig Sanit** 1983 Jun;(6):84–5 **(Rus)**

[Assessment of the sanitary bacteriological effectiveness of the aerobic thermophilic–mesophilic fermentation of animal husbandry effluents] Mishukov BG, et al. **Gig Sanit** 1983 Aug;(8):59–60 (3 ref.) **(Rus)**

[Health and hygiene characteristics of a sheep-breeding farm complex] Shakhbanov AA. **Gig Sanit** 1983 Nov;(11):79–81 **(Rus)**

[Hygienic evaluation of the modern methods of treating and decontaminating sewage from swine-breeding farm complexes] Vlodavets VV, et al. **Gig Sanit** 1983 Nov; (11):70–2 **(Rus)**

[Incidence and etiology of allergic diseases among poultry breeders] Eglite ME. **Gig Tr Prof Zabol** 1983 Jul;(7):4–8 (Eng. Abstr.) **(Rus)**

[Traveling medical team to serve stock breeders on the range] Adzhibekov MB. **Sov Zdravookhr** 1984;(2):30–2 **(Rus)**

[Zooanthroponotic infections on the animal-breeding farm complexes of the northwest region] Dalter AB, et al. **Tr Inst Pastera** 1983;60:39–50 (Eng. Abstr.) **(Rus)**

[Q rickettsiosis on the animal-breeding farm complexes of Siberia] Rudakov NV, et al. **Tr Inst Pastera** 1983;60:58–63 (Eng. Abstr.) **(Rus)**

ECONOMICS

Genetic-economic evaluation of traits in a broiler enterprise: reduction of food intake due to increased growth rate. Pasternak H, et al. **Br Poult Sci** 1983 Oct;24(4):531–6

Genetic-economic evaluation of traits in a broiler enterprise: the relative genetic-economic values. Shalev BA, et al. **Br Poult Sci** 1983 Oct;24(4):521–9

Mathematical modeling of the relationship of feed efficiency, days to market weight, and costs of production. Miller GY, et al. **Growth** 1984 Summer;48(2):254–67

Economics for veterinary farm practice. Erb H. **In Pract** 1984 Mar;6(2):33–7

Economic benefits derived from animal health care expenditures. Kliebenstein JB, et al. **J Am Vet Med Assoc** 1984 Aug 15;185(4):449–50

Economic evaluation of total confinement and open range turkey production systems in Georgia. Lance GC. **Poult Sci** 1983 Jul;62(7):1142–54

Effect of increased bird population in a fixed cage area on production and economic responses of single comb white leghorn laying hens. Roush WB, et al. **Poult Sci** 1984 Jan; 63(1):45–8

[Economic and organizational prerequisites for the successful development of the breeding and specific use of young brood cows on state farms in the People's Republic of Bulgaria] Todorov TA. **Vet Med Nauki** 1983;20(3–4):3–6 **(Bul)**

[The frequency of chromosome abnormalities in farm animals and their economic consequences] Popescu CP, et al. **Ann Genet (Paris)** 1984;27(2):69–72 (Eng. Abstr.) **(Fre)**

HISTORY

Petition for a Federal Veterinary Sanitary Bureau. Miller EB. **J Am Vet Med Assoc** 1984 May 15;184(10):1224–5

Contributions of the Bureau of Animal Industry to the veterinary profession. Stalheim OH. **J Am Vet Med Assoc** 1984 May 15;184(10):1222–4

INSTRUMENTATION

Modification of polycarbonate cages for individual housing of mice. Grossie VB Jr, et al. **Lab Anim Sci** 1983 Aug; 33(4):365

A water valve hole coverplate for reducing traumatic death in mice. Raynor TH, et al. **Lab Anim Sci** 1983 Aug; 33(4):364

[Universal feeder for experimental work with large animals] Kostiaeva OV, et al. **Zh Vyssh Nerv Deiat** 1984 Jan–Feb; 34(1):172–4 **(Rus)**

METHODS

Breeding for immune responsiveness and disease resistance. Gavora JS, et al. **Anim Blood Groups Biochem Genet** 1983; 14(3):159–80

The occurrence of diarrhoea in calves under different management systems. Fallon RJ, et al. **Ann Rech Vet** 1983; 14(4):473–8

Induced farrowing on commercial pig farms. Miller B. **In Pract** 1983 Sep;5(5):181–3

Body condition scoring of sheep. Russel A. **In Pract** 1984 May;6(3):91–3

Isozymes in swine breeding. Rasmusen BA. **Isozymes Curr Top Biol Med Res** 1983;11:249–68

An account of problems experienced during the shipment of cattle from the United States of America to South Africa. Kingsley CC. **J S Afr Vet Assoc** 1983 Jun;54(2):81–2

Role of management in disease prevention. Amstutz HE. **Mod Vet Pract** 1982 Sep;63(9):737–8

Swine management errors. Wallace HM. **Mod Vet Pract** 1984 Mar;65(3):225–6

Food preferences of dogs housed in testing-kennels and in consumers' homes: some comparisons. Griffin RW, et al. **Neurosci Biobehav Rev** 1984 Summer;8(2):253–9

Should we worry about animal growth promoters? Horwitz C, et al. **Nutr Cancer** 1983;5(1):51–4

The effects of geographical area, rearing method, caging density, and lymphoid leukosis infection on adult performance in egg stocks of chickens. Fairfull RW, et al. **Poult Sci** 1983 Dec;62(12):2360–70

The influence of cage versus floor pen management of broiler breeder hens on subsequent performance of cage reared broilers. Petitte JN, et al. **Poult Sci** 1983 Jul;62(7):1241–6

Control of ovine gastrointestinal helminthiasis by the use of 'clean' grazing and strategic dosing in the field. Mitchell GB, et al. **Res Vet Sci** 1983 Jul;35(1):100–5

Poultry coccidiosis: evaluation of management systems on the incidence of coccidia infection in Nigeria. Majaro OM. **Rev Elev Med Vet Pays Trop** 1983;36(4):343–6

Calf rearing in the tropics: behavioural response by Bos indicus calves to an artificial rearing system. Black DH. **Trop Anim Health Prod** 1984 Feb;16(1):47–8

Camel production in Kenya and its constraints. I. Productivity. Schwartz HJ, et al. **Trop Anim Health Prod** 1983 Aug;15(3):169–78

VAMPP: a veterinary automated management and production control programme for dairy farms (the application of MUMPS for data processing). Noordhuizen JP, et al. **Vet Q** 1984 Apr;6(2):66–72

Use of COSREEL, a computerised recording system, for herd health management of two dairy herds. Lucey S, et al. **Vet Rec** 1983 Sep 24;113(13):294–8

Disbudding of goats [letter] Mews A. **Vet Rec** 1984 Jan 21; 114(3):75

Creep feeding and post weaning diarrhoea in piglets. Miller BG, et al. **Vet Rec** 1984 Mar 24;114(12):296–7

The psychological interaction between the stockman and his animals and its influence on performance of pigs and dairy cows. Seabrook MF. **Vet Rec** 1984 Jul 28;115(4):84–7

Type C botulism in intensively farmed turkeys. Smart JL, et al. **Vet Rec** 1983 Aug 27;113(9):198–200

Footbaths on dairy farms in England and Wales. Sumner J, et al. **Vet Rec** 1984 Jan 28;114(4):88

[Populations of harmful rodents on commercial swine-breeding farms and their effect on the technology of swine feeding] Bildirev N, et al. **Vet Med Nauki** 1983; 20(7):44–8 (Eng. Abstr.) **(Bul)**

[Protein fraction changes in swine raised under different conditions] Chenchev I, et al. **Vet Med Nauki** 1983; 20(8):24–7 (Eng. Abstr.) **(Bul)**

[Zoohygienic control problems in industrial animal husbandry] Zhekov R. **Vet Med Nauki** 1983;20(10):45–7 **(Bul)**

[Management and business administration in Mozambique] Keverling Buisman A, et al. **Tijdschr Diergeneeskd** 1984 Jun 1;109(11):470–5 **(Dut)**

[The farm calendar, an aid in veterinary-zootechnical production and health policy of dairy farms] Noordhuizen JP, et al. **Tijdschr Diergeneeskd** 1983 Dec 1;108(23):895–903 (Eng. Abstr.) **(Dut)**

[Characterization of areas at parasitic risk for sheep reared by open grazing on the ranges of the Causses. 2. Protostrongylids] Cabaret J, et al. **Ann Rech Vet** 1983; 14(3):301–10 (Eng. Abstr.) **(Fre)**

[Characterization of areas at parasitic risk for sheep reared under conditions of uncontrolled breeding on the ranges of the Causses. 1. Study methodology and its application to gastrointestinal strongyles] Gruner L, et al. **Ann Rech Vet** 1983;14(3):287–300 (Eng. Abstr.) **(Fre)**

[Calculation of water vapor formation in a swine-fattening stall by determination of the rate of airflow over the carbon dioxide scale] Hilliger HG. **Berl Munch Tierarztl Wochenschr** 1984 Feb 1;97(2):55–7 (Eng. Abstr.) **(Ger)**

[Behavioral disorders in intensively kept fattening bulls] Sambraus HH, et al. **DTW** 1984 Feb 7;91(2):56–60 (Eng. Abstr.) **(Ger)**

[Comparative studies of mortality, morbidity and growth rate in conventional and swine health service farms. II. Course and causes of diseases] Bühlmann J, et al. **Schweiz Arch Tierheilkd** 1983 Nov;125(11):779–88 (Eng. Abstr.) **(Ger)**

[Comparative studies of mortality, morbidity and growth rate in conventional and swine health service farms. I. Introduction and culling rate] Weibel W, et al. **Schweiz Arch Tierheilkd** 1983 Nov;125(11):771–7 (Eng. Abstr.) **(Ger)**

[Comparative studies of mortality, morbidity and growth rate in conventional and swine health service farms. III. Morbidity and fattening rate] Weibel W, et al. **Schweiz Arch Tierheilkd** 1983 Dec;125(12):861–9 (Eng. Abstr.) **(Ger)**

[Interrelation of milk production, health status and fertility and modern maintenance systems for dairy cattle] Ernst E. **Tierarztl Prax** 1983;11(3):313–22 **(Ger)**

[Methodology for the management and clinical control of primate breeding] Ioppolo A, et al. **Ann Ist Super Sanita** 1982;18(4):873–82 (Eng. Abstr.) **(Ita)**

[Planned reproduction of the house musk shrew (Suncus murinus)] Matsuzaki T, et al. **Jikken Dobutsu** 1984 Apr; 33(2):223–6 (Eng. Abstr.) **(Jpn)**

[Effect of animal rearing conditions on their ability to solve extrapolation problems] Sotskaia MN, et al. **Zh Vyssh Nerv Deiat** 1983 Nov–Dec;33(6):1048–53 (Eng. Abstr.) **(Rus)**

[Supplementation of swine feed rations with zeolite during cage rearing] Bartko P, et al. **Vet Med (Praha)** 1983 Jul; 28(7):429–35 (Eng. Abstr.) **(Slo)**

STANDARDS

Preconditioning programs for feeder cattle. Miksch D. **Mod Vet Pract** 1984 May;65(5):341–4
Ethical problems in keeping and breeding farm animals. Ekesbo I. **Prog Clin Biol Res** 1983;128:167–83
Sheep housing and health. Linklater KA, et al. **Vet Rec** 1983 Dec 10;113(24):560–4
Agribusiness and animal health [letter] Pout D. **Vet Rec** 1984 Apr 7;114(14):363–4
Poultry housing and disease. Sainsbury DW. **Vet Rec** 1983 Dec 10;113(24):565–8
Ventilation, air hygiene and animal health. Wathes CM, et al. **Vet Rec** 1983 Dec 10;113(24):554–9
[Drug residues: consequences for stock owners] Meijer GA. **Tijdschr Diergeneeskd** 1984 Feb 1;109(3):90–3 (Eng. Abstr.) **(Dut)**

ANIMAL IDENTIFICATION SYSTEMS

Marking snails with nail varnish as a field experimental technique. Fenwick A, et al. **Ann Trop Med Parasitol** 1983 Aug;77(4):387–90
Identification of possum meat. Slattery WJ, et al. **Aust Vet J** 1984 Apr;61(4):127–8
Immobilization and tagging of muskoxen (Ovibos moschatus) in Jameson Land, northeastern Greenland. Clausen B, et al. **J Wildl Dis** 1984 Apr;20(2):141–5
[Comparative studies of various cattle marking methods with special reference to freeze branding and leather damage therefrom] Gründer HD, et al. **Berl Munch Tierarztl Wochenschr** 1983 Dec 1;96(12):438–44 (Eng. Abstr.) **(Ger)**
[Convenient methods for marking newborn rats] Yamada T, et al. **Jikken Dobutsu** 1984 Apr;33(2):201–7 (Eng. Abstr.) **(Jpn)**

ANIMAL NUTRITION

Vitamin D–deficient rats produce reduced quantities of a nutritionally adequate milk. Brommage R, et al. **Am J Physiol** 1984 Mar;246(3 Pt 1):E221–6
Role of nutrition in the pathogenesis of porcine Escherichia coli enterotoxaemia. Bertschinger HU, et al. **Ann Rech Vet** 1983;14(4):469–72
Nutritional energetics of animals. Baldwin RL, et al. **Annu Rev Nutr** 1984;4:101–14 (61 ref.)
Nutrition of the domestic cat, a mammalian carnivore. MacDonald ML, et al. **Annu Rev Nutr** 1984;4:521–62 (264 ref.)
Transfer of cadmium in a phytoplankton–oyster–mouse food chain. Hardy JT, et al. **Arch Environ Contam Toxicol** 1984 Jul;13(4):419–25
Changes in carbamyl phosphate synthetase and ornithine transcarbamylase levels during development and in response to changes in diet. Application of the electrophoretic transfer technique. McIntyre P, et al. **Biochem Int** 1983 Mar;6(3):365–73
Fatty acid synthesis and ketone body utilization by brown adipose tissue of the rat. Response to cold or nutritional state? Wright J, et al. **Biochim Biophys Acta** 1983 Sep 20; 753(2):244–8
The influence of protein nutrition in early life on growth and development of the pig. 2. Effects on the cellularity of muscle and subcutaneous adipose tissue. Campbell RG, et al. **Br J Nutr** 1983 Nov;50(3):619–26
The influence of protein nutrition in early life on growth and development of the pig. 1. Effects on growth performance and body composition. Campbell RG, et al. **Br J Nutr** 1983 Nov;50(3):605–17
The simultaneous estimation of the amounts of protozoal, bacterial and dietary nitrogen entering the duodenum of steers. Cockburn JE, et al. **Br J Nutr** 1984 Jan;51(1):111–32
The effect of vitamin E and oxidized fish oil on the nutrition of rainbow trout (Salmo gairdneri) grown at natural, varying water temperatures. Cowey CB, et al. **Br J Nutr** 1984 May;51(3):443–51
Studies on the protein requirements of growing cattle. Effects of differing intakes of protein and energy on growth and nitrogen metabolism in young entire males. Griffiths TW. **Br J Nutr** 1984 Jan;51(1):133–43
The efficiency of microbial protein synthesis in the rumen and the degradability of feed nitrogen between the mouth and abomasum in steers given different diets. McAllan AB, et al. **Br J Nutr** 1984 Jan;51(1):77–83
The effect of over–feeding newborn rabbits on somatic and visceral growth, body composition and long–term growth potential. Spencer SA, et al. **Br J Nutr** 1984 May; 51(3):389–402
Effects of alkali treatment of wheat straw on intake and microbial protein synthesis in cattle. Sriskandarajah N, et al. **Br J Nutr** 1984 Mar;51(2):289–96
The nutritive value of rumen micro–organisms in ruminants. 1. Large–scale isolation and chemical composition of rumen micro–organisms. Storm E, et al. **Br J Nutr** 1983 Sep; 50(2):463–70
The nutritive value of rumen micro–organisms in ruminants. 2. The apparent digestibility and net utilization of microbial N for growing lambs. Storm E, et al. **Br J Nutr** 1983 Sep; 50(2):471–8
Winter food restriction and summer compensation in red deer stags (Cervus elaphus). Suttie JM, et al. **Br J Nutr** 1983 Nov;50(3):737–47
The effects of preconception supplementation on the productivity of dairy heifers grazed on medium quality pasture under East African conditions. Kayongo–Male H, et al. **Bull Anim Health Prod Afr** 1982 Mar;30(1):65–72
Seasonal relationships of thyroid, sexual and adrenocortical hormones to nutritional parameters and climatic factors in white–tailed deer (Odocoileus virginianus) of south Texas. Chao CC, et al. **Comp Biochem Physiol [A]** 1984; 77(2):299–306
Influence of nutrition on biochemical sea water adaptation of the rainbow trout (Salmo gairdneri richardson). Jürss K, et al. **Comp Biochem Physiol [B]** 1983;75(4):713–7
Growth and reproduction in the chronically nutrient–deprived rat. Zeman FJ. **Growth** 1984 Summer; 48(2):234–53
Possible role of nutritional factors in the incidence of cerebral lesions in stroke–prone spontaneously hypertensive rats. Yamori Y, et al. **Hypertension** 1984 Jan–Feb;6(1):49–53
Nutritional factors in the etiopathogenesis of amoebic liver abscess in golden hamsters. Raina N, et al. **Indian J Med Res** 1984 Feb;79:216–22
Advances in mineral nutrition in ruminants. Ammerman CB, et al. **J Anim Sci** 1983 Jul;57 Suppl 2:519–33 (112 ref.)
Protein–amino nutrition of nonruminant animals with emphasis on the pig: past, present and future. Baker DH, et al. **J Anim Sci** 1983 Jul;57 Suppl 2:284–99 (183 ref.)
Effects of low–level infections by coccidia and roundworms on the nutritional status of rats fed an adequate diet. Frandsen JC. **J Anim Sci** 1983 Dec;57(6):1487–97
Mineral and vitamin nutrition of swine. Miller ER, et al. **J Anim Sci** 1983 Jul;57 Suppl 2:315–29 (179 ref.)
Reviews of the progress of dairy science: long term effects of plane of nutrition on the performance of the dairy cow. Broster WH, et al. **J Dairy Res** 1984 Feb;51(1):149–96 (325 ref.)
The methionine and choline status of rat diets and their effects on nutrition and myocardial lesions. Farnworth ER, et al. **J Nutr** 1983 Dec;113(12):2442–54
Digestion and absorption of nutrients by beef heifers fed a high concentrate diet. Huntington GB, et al. **J Nutr** 1983 Nov;113(11):2280–8
Factors affecting dietary requirement and deficiency signs of L–tryptophan in rainbow trout. Poston HA, et al. **J Nutr** 1983 Dec;113(12):2568–77
Dietary pantothenic acid requirement of fingerling channel catfish. Wilson RP, et al. **J Nutr** 1983 Oct;113(10):2124–8
Changes in photoperiod and nutrition and their effect on testicular growth of rams. Lindsay DR, et al. **J Reprod Fertil** 1984 Jul;71(2):351–6
A report on the consumption, composition and nutritional adequacy of a mixture of lush green perennial ryegrass (Lolium perenne) and cocksfoot (Dactylis glomerata) fed ad libitum to Thoroughbred mares. Marlow CH, et al. **J S Afr Vet Assoc** 1983 Sep;54(3):155–7
Some nutritional aspects of colic in horses. Hintz HF. **Mod Vet Pract** 1984 May;65(5):A9–12
Nutritional requirements of experimental fish. Dupree HK. **Natl Cancer Inst Monogr** 1984 May;65:201–9
Nutritional influences on plutonium absorption from the gastrointestinal tract of the rat. Sullivan MF, et al. **Radiat Res** 1983 Dec;96(3):580–91
Boluses of controlled release glass for supplementing ruminants with copper. Allen WM, et al. **Vet Rec** 1984 Jul 21;115(3):55–7
Microtus species as new herbivorous laboratory animals: reproduction; bacterial flora and fermentation in the digestive tracts; and nutritional physiology. Kudo H, et al. **Vet Res Commun** 1984 May;8(2):77–91 (33 ref.)
Performance promoters in animal nutrition. I. Quantitative factorial analysis of effectiveness. Rosen GD. **Vet Res Commun** 1983 Dec;7(1–4):73–81
Some aspects of development and nutrition in the monogastric animal during postnatal life. Corring T, et al. **World Rev Nutr Diet** 1982;39:124–90 (239 ref.)
[Diagnostic importance of the manganese content cattle hair. 4. Physiologically based manganese concentration of cattle hair and the critical appraisal of the so–called hair test theory] Mehnert E. **Arch Exp Veterinarmed** 1984 Jan; 38(1):16–20 (Eng. Abstr.) **(Ger)**
[The usefulness of determining urea levels and the acidity of milk for evaluating protein nutrition in cows] Gajdošík D, et al. **Vet Med (Praha)** 1984 Jun;29(6):329–36 (Eng. Abstr.) **(Slo)**

ANIMAL VIRUSES see **VERTEBRATE VIRUSES**

ANIMAL VOCALIZATION see **VOCALIZATION, ANIMAL**

ANIMALS

One–trial long–lasting food–aversion learning in wild Japanese monkeys (Macaca fuscata). Matsuzawa T, et al. **Behav Neural Biol** 1983 Nov;39(2):155–9
Energy allocation and reproductive development in wild and domestic house mice. Bronson FH. **Biol Reprod** 1984 Aug; 31(1):83–8
Medicine and birds. Radford P. **Bristol Med Chir J** 1983 Jul;98(367):130–2
Molar proportions of volatile fatty acids in the gastrointestinal tract of East African wild ruminants. Clemens ET, et al. **Comp Biochem Physiol [A]** 1983; 76(2):217–24
Wild Mexican armadillo with leprosy–like infection [letter] Amezcua ME, et al. **Int J Lepr** 1984 Jun;52(2):254–5
Cutaneous papillomatosis in a beaver. Carlson BL, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1283–4
Wildlife rabies. Fischman H. **J Am Vet Med Assoc** 1984 Mar 1;184(5):532–3
Myelopathy and vitamin E deficiency in six Mongolian wild horses. Liu SK, et al. **J Am Vet Med Assoc** 1983 Dec 1; 183(11):1266–8
Animal rights [letter] Mills MT. **J Am Vet Med Assoc** 1983 Aug 15;183(4):410
Cutaneous fibropapilloma in a pronghorn antelope. Sundberg JP, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1333–4
Myodegeneration in Kentucky white–tailed deer. Tramontin RR, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1263–5
Pneumoperitoneum associated with intestinal volvulus in a sea otter. Williams TD, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1288–9
Nursing enhances the negative effect of estrogen on LH release in the cow. Acosta B, et al. **J Anim Sci** 1983 Dec; 57(6):1530–6
Fatal soft tissue calcification in suckling puppies. Howerth EW. **J S Afr Vet Assoc** 1983 Mar;54(1):21–4
Leptospires in wildlife from Trinidad and Grenada. Everard CO, et al. **J Wildl Dis** 1983 Jul;19(3):192–9
Serologic evidence of arbovirus infections in humans and wild animals in Alaska. Zarnke RL, et al. **J Wildl Dis** 1983 Jul;19(3):175–9
Multiple sclerosis and age at exposure to childhood diseases and animals: cases and their friends. Sullivan CB, et al. **Neurology (NY)** 1984 Sep;34(9):1144–8
Malignant mixed (carcinosarcoma) mammary tumor in a gray squirrel. Shivaprasad HL, et al. **Vet Pathol** 1984 Jan; 21(1):115–7
Wooldridge memorial lecture. Wild; captive; dead. Harrison RJ. **Vet Rec** 1983 Oct 8;113(15):342–7
Capturing wildlife [letter] Jones DM. **Vet Rec** 1984 Mar 31; 114(13):327–8
Chlorpyrifos and wildlife [letter] Simpson VR. **Vet Rec** 1984 Jan 28;114(4):101–2
[Report on wild animal diseases from 1975 to 1982] Burgisser H. **Schweiz Arch Tierheilkd** 1983 Sep;125(9):519–27 (Eng. Abstr.) **(Fre)**
[Current status of rabies in the Federal Republic of Germany] Rojahn A, et al. **DTW** 1983 Jul 6;90(7):250–6 (Eng. Abstr.) **(Ger)**
[Relations between man and animal in recreational and health resorts] Stein W. **Off Gesundheitswes** 1983 Aug; 45(8):407–12 **(Ger)**
[Are there relations between pollution of the grazing grounds of wild animals with lead and cadmium and their residues in game?] Hecht H. **Z Gesamte Hyg** 1984 Jun;30(6):338–42 (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

Comparative study of the effect of hydrocortisone and thyroxine on suckling mouse small intestine in organ culture. Arsenault P, et al. **Comp Biochem Physiol [A]** 1984; 77(4):721–5
Fiber types and metabolic characteristics in muscles of wild boars, normal and halothane sensitive Swedish landrace pigs. Essén–Gustavsson B, et al. **Comp Biochem Physiol [A]** 1984;78(1):67–71
Leprosy in wild armadillos (Dasypus novemcinctus) on the Texas Gulf Coast: anatomic pathology. Folse DS, et al. **J Reticuloendothel Soc** 1983 Nov;34(5):341–57
Morphological studies of the mandible of the Indonesian native pigs and seven types of Asian wild boars. Hayashi Y, et al. **Nippon Juigaku Zasshi** 1984 Feb;46(1):99–104

BLOOD

Acid–base balance and selected hematologic, electrolytic, and blood chemical variables in calves nursing cows: one week through fifteen weeks. Reece WO. **Am J Vet Res** 1984 Apr;45(4):666–9
Effect of thyroid hormones on postnatal fibrinogen levels in the rat. Legrèle CD, et al. **Biol Neonate** 1984;46(2):61–8
Serum thyroid hormone levels in colostrum deprived piglets and calves. Slebodziński AB, et al. **Endocrinol Exp (Bratisl)** 1983 Oct;17(3–4):263–70
Serum chemistry of the diamond–backed water snake (Nerodia rhombifera rhombifera) in Arkansas. McDaniel RC, et al. **J Wildl Dis** 1984 Jan;20(1):44–6

GENETICS

Using the triple test cross to investigate the genetics of behavior in wild populations. III. Activity and reactivity. Hewitt JK, et al. **Behav Genet** 1984 Mar;14(2):125–35
Implications of the genetic divergence between European wild mice with Robertsonian translocations from the viewpoint of mitochondrial DNA. Moriwaki K, et al. **Genet Res** 1984 Jun;43(3):277–87
Genetic similarity between species of Akodon (Rodentia, Cricetidae). Apfelbaum LI, et al. **J Exp Zool** 1984 Jan; 229(1):1–5
Variant class II molecules from H–2 haplotypes in wild

mouse populations: functional characteristics of closely related class II gene products. Peck AB, et al. **J Immunol** 1983 Nov;131(5):2432–9

Recombination and mutation of class II histocompatibility genes in wild mice. Wakeland EK, et al. **J Immunol** 1983 Dec;131(6):3052–7

GROWTH & DEVELOPMENT

Effect of thyroid hormones from maternal milk on some measures of body growth and endocrine system in newborn sucklings. Turakulov YK, et al. **Endocrinol Exp (Bratisl)** 1983 Oct;17(3–4):255–61

Effect of hydrocortisone on the desialylation of intestinal brush-border enzymes of the rat during postnatal development. Kraml J, et al. **FEBS Lett** 1984 Jun 25; 172(1):25–8

Performance of crosses among Hereford, Angus and Simmental cattle with different levels of Simmental breeding. I. Preweaning growth and survival. Lawlor TJ Jr, et al. **J Anim Sci** 1984 Jun;58(6):1321–8

Effects of the withdrawal of solid food on maternal milk intake and the development of young rats. Babický A, et al. **Physiol Bohemoslov** 1984;33(3):217–23

IMMUNOLOGY

Demonstration that milk cells invade the suckling neonatal mouse. Weiler IJ, et al. **Am J Reprod Immunol** 1983 Sep; 4(2):95–8

Neutralising antibodies to lumpy skin disease virus in African wildlife. Hedger RS, et al. **Comp Immunol Microbiol Infect Dis** 1983;6(3):209–13

Serologic survey of California wild hogs for antibodies against selected zoonotic disease agents. Clark RK, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1248–51

Alteration of antibody-mediated responses of suckling mice to T-cell-dependent and independent antigens by maternal marginal zinc deficiency: restoration of responsivity by nutritional repletion. Fraker PJ, et al. **J Nutr** 1984 Jan; 114(1):170–9

Serologic survey for selected microbial pathogens in Alaskan wildlife. Zarnke RL. **J Wildl Dis** 1983 Oct;19(4):324–9

Lymphocyte transformation of peripheral blood lymphocytes and plaque forming cells of the spleen and the mesenteric lymph node in suckling piglets with and without immunopotentiators. Namioka S, et al. **Jpn J Vet Res** 1983 Apr;31(2):53–64

Rotavirus associated diarrhoea in nursing piglets and detection of antibody against rotavirus in colostrum, milk and serum. Askaa J, et al. **Nord Vet Med** 1983 Dec; 35(12):441–7

[Avian chlamydiosis. II. Wild pigeons] Miyake T, et al. **Kansenshogaku Zasshi** 1983 Sep;57(9):788–93 (Eng. Abstr.) **(Jpn)**

METABOLISM

Fructose-1,6-biphosphatase activity in the intestinal mucosa of developing rats. Westbury K, et al. **Am J Physiol** 1984 Jun;246(6 Pt 1):G683–6

Copper storage in the liver of the wild mute swan (Cygnus olor). Its possible relation to pollution of harbor waters by antifouling paints. Molnar JJ. **Arch Pathol Lab Med** 1983 Dec;107(12):629–32

Modifications of carcinogen metabolism in hepatic microsomes of suckling young by 3-methylcholanthrene or beta-naphthoflavone administered to lactating rats. Malejka-Giganti D, et al. **Biochem Pharmacol** 1983 Nov 15;32(22):3335–44

Colonic absorption and secretion of fluids, electrolytes and organic acids in East African wild ruminants. Clemens ET, et al. **Comp Biochem Physiol [A]** 1984;77(1):51–6

Ontogenesis of the rabbit intestinal receptor for 1,25-dihydroxyvitamin D3—evidence for increased receptor content during late suckling and lactating periods. Duncan WE, et al. **Comp Biochem Physiol [A]** 1984; 78(2):333–6

Occurrence and distribution of n-alkanes in sucking-calf tissues. Di Muccio A, et al. **Ecotoxicol Environ Safety** 1984 Jun;8(3):248–53

Absorption of TSH and ACTH in biologically active form from the gastrointestinal tract of suckling rats. Vaucher Y, et al. **Endocrinol Exp (Bratisl)** 1983 Oct;17(3–4):327–33

Relationship between plasma somatomedin-C and liver somatogenic binding sites in neonatal rats during malnutrition and after short and long term refeeding. Maes M, et al. **Endocrinology** 1984 Aug;115(2):786–92

Resistance of the suckling guinea pig to lithocholic acid-induced cholestasis. Lewittes M, et al. **Hepatology** 1984 May-Jun;4(3):486–91

Studies on fat digestion, absorption, and transport in the suckling rat. IV. In vivo rates of triacylglycerol secretion by intestine and liver. Frost SC, et al. **J Lipid Res** 1983 Jul;24(7):899–903

Digestion, absorption and transport of milk fat in the suckling rat. **Nutr Rev** 1984 Feb;42(2):55–7 (6 ref.)

The effect of ketone bodies and fatty acid on intestinal glucose metabolism during development. Kimura RE, et al. **Pediatr Res** 1984 Jul;18(7):575–8

Distribution of metals in tissues of beaver, raccoon and otter from Ontario, Canada. Wren CD. **Sci Total Environ** 1984 Mar 1;34(1–2):177–84

[Mercury and selenium in wild mink (Mustela vision) from Norway] Norheim G, et al. **Nord Vet Med** 1984 Jan-Feb; 36(1–2):43–8 (Eng. Abstr.) **(Nor)**

[Experimental study of the effect of a milk substitute on the secretory activity of the stomach in young rats] Stan EIa, et al. **Vopr Pitan** 1984 Jan-Feb;(1):51–4 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Incidence of paramyxoviruses in free-living birds in 1978–1982. Tumová B, et al. **Acta Virol (Praha)** 1984 Mar; 28(2):114–21

Creutzfeldt-Jakob Disease. Possible transmission to humans by consumption of wild animal brains. Kamin M, et al. **Am J Med** 1984 Jan;76(1):142–5

Rotavirus excretion in suckling pigs followed under field circumstances. Debouck P, et al. **Ann Rech Vet** 1983; 14(4):447–8

The natural history of salmonellae in mammals of the tropical Kimberley region, Western Australia. How RA, et al. **Ecol Dis** 1983;2(1):9–32

Mycoplasma gallisepticum infection in wild-type turkeys living in close contact with domestic fowl. Jessup DA, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1245–7

Prevalence of antibodies to Legionella pneumophila in animal populations. Collins MT, et al. **J Clin Microbiol** 1982 Jan; 15(1):130–6

The role of wild birds and their ectoparasites (ticks) in the circulation and distribution of M. avium and possible formation of natural foci of avian tuberculosis. Kovalev GK. **J Hyg Epidemiol Microbiol Immunol** 1983;27(3):281–8

Evidence of exposure of waterfowl and other aquatic birds to the hemagglutinating duck adenovirus identical to EDS-76 virus. Gulka CM, et al. **J Wildl Dis** 1984 Jan; 20(1):1–5

Ichthyophonus-like infection in newts (Notophthalmus viridescens Rafinesque). Herman RL. **J Wildl Dis** 1984 Jan; 20(1):55–6

Serovar identification of leptospires of the Australis serogroup isolated from free-living and domestic species in the United Kingdom. Hathaway SC, et al. **Res Vet Sci** 1983 Jul;35(1):64–8

New leptospiral serotypes (serovars) from the Western Hemisphere isolated during 1964 through 1970. Sulzer K, et al. **Rev Latinoam Microbiol** 1982 Jan-Mar;24(1):15–7

Isolation of Leptospira from wild forest animals in Amazonian Brazil. Lins ZC, et al. **Trans R Soc Trop Med Hyg** 1984;78(1):124–6

[Campylobacter jejuni, Yersinia enterocolitica and Salmonella in game and poultry] de Boer E, et al. **Tijdschr Diergeneeskd** 1983 Nov 1;108(21):831–6 (Eng. Abstr.) **(Dut)**

[Small wild mammals and arboviruses in Italy] Le Lay-Roguès G, et al. **Bull Soc Pathol Exot Filiales** 1983 Aug-Oct;76(4):333–45 (Eng. Abstr.) **(Fre)**

[Endemic strains of pathogenic Leptospirae isolated in Latin America and the Caribbean] Macedo SL, et al. **Rev Cubana Med Trop** 1983 May-Aug;35(2):186–92 (Eng. Abstr.) **(Spa)**

[Normal bacterial flora of the wild Chinchilla lanigera] Mathieu X, et al. **Rev Latinoam Microbiol** 1982 Apr-Jun; 24(2):77–82 (Eng. Abstr.) **(Spa)**

PARASITOLOGY

Comparative pathologic features and development of Sphaeridiotrema globulus (Trematoda) infections in the mute swan and domestic chicken and chicken chorioallantois. Huffman JE, et al. **Am J Vet Res** 1984 Feb; 45(2):387–91

Nematoda: Trichostrongyloidea parasites of Venezuelan wild mammals. III. The genus Vexillata Travassos, 1937. Guerrero R. **Ann Parasitol Hum Comp** 1984;59(3):253–61

Exposure of calves to taeniid eggs of wild carnivore origin. Gathuma JM, et al. **Bull Anim Health Prod Afr** 1982 Mar; 30(1):55–60

The flea fauna of the tick-borne encephalitis focal region in the eastern part of the Russian Plain. Darskaya NF, et al. **Folia Parasitol (Praha)** 1984;31(1):69–77

Toxoplasmic meningoencephalitis in a West Indian manatee. Buergelt CD, et al. **J Am Vet Med Assoc** 1983 Dec 1; 183(11):1294–6

Dirofilaria immitis infection in a gray fox. Carlson BL, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1275–6

Cytauxzoonosis in bobcats. Glenn BL, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1155–8

Notoedric mange in two fox squirrels. Kazacos EA, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1281–2

Hepatozoon sp infection in bobcats. Lane JR, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1323–4

The natural infection of wild animals in West Malaysia with nymphs of Armillifer moniliformis (Diesing, 1835) Sambon, 1922. Krishnasamy M, et al. **Malays J Pathol** 1981 Aug; 4:29–34

The prevalence of helminth and arthropod parasites of warthog, Phacochoerus aethiopicus, in South West Africa/Namibia. Horak IG, et al. **Onderstepoort J Vet Res** 1983 Jun;50(2):145–8

The prevalence and pathogenicity of Chorioptes bovis (Hering, 1845) and Psoroptes cuniculi (Delafond, 1859) (Acari: Psoroptidae) infestations in feral goats in New Zealand. Heath AC, et al. **Vet Parasitol** 1983 Sep; 13(2):159–69

Anion-exchange separation for neotropical trypanosomes: a preliminary trial and a description of Trypanosoma devei from the tamarin Saguinus midas niger. Lanham SM, et al. **Z Parasitenkd** 1984;70(3):311–9

[Endoparasite infestation of the stomach and intestinal tract of feral rabbits from the Leipzig region] Haupt W, et al. **Angew Parasitol** 1984 May;25(2):65–71 (Eng. Abstr.) **(Ger)**

[Prevalence of ectoparasites, endoparasites, bacteria and anti-Hantaan virus antibodies in wild rats captured in harbor area of Shimizu, Japan] Suzuki S, et al. **Kansenshogaku Zasshi** 1984 Mar;58(3):203–13 (Eng. Abstr.) **(Jpn)**

[Epidemiological importance of wild animals in schistosomiasis mansoni] Kawazoe U, et al. **Rev Saude Publica** 1983 Oct;17(5):345–66 (Eng. Abstr.) **(Por)**

[Toxoplasmas of wild warm-blooded animals in Turkmenia] Berdyev AS, et al. **Parazitologiia** 1984 Mar-Apr; 18(2):160–5 (Eng. Abstr.) **(Rus)**

[Birds infected with Ornithodorus ticks, virus vectors] Cerny V. **Rev Cubana Med Trop** 1983 May-Aug;35(2):181–5 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Effects of gonadotrophin on the ovary of Apodemus flavicollis in winter anoestrus. Eriksson M. **Acta Morphol Neerl Scand** 1984 Mar;22(1):41–52

Further evidence that circadian rhythm of blinded rat pups is entrained by the nursing dam. Takahashi K, et al. **Am J Physiol** 1984 Mar;246(3 Pt 2):R359–63

Reproduction in feral horses: an eight-year study. Keiper R, et al. **Am J Vet Res** 1984 May;45(5):991–5

Cow-calf and sow-piglet behaviour in relation to colostrum ingestion. Broom DM. **Ann Rech Vet** 1983;14(4):342–8

Suckling in the rat: evidence for patterned behavior during sleep. Shair H, et al. **Behav Neurosci** 1984 Apr;98(2):366–70

Factors regulating the specific activity of galactose-1-phosphate uridyltransferase during perfusion of suckling rat liver. Rogers S, et al. **Biochem Med** 1984 Feb;31(1):112–21

Effects of field application of the anti-cholinesterase insecticide methomyl on brain acetylcholinesterase activities in wild Mus musculus. Montz WE Jr, et al. **Bull Environ Contam Toxicol** 1983 Aug;31(2):158–63

Digestive physiology of East African wild ruminants. Clemens ET, et al. **Comp Biochem Physiol [A]** 1983; 76(2):319–33

Food intake in captive leverets before weaning and the composition of the milk of the brown doe-hare (Lepus europaeus). Lhuillery C, et al. **Comp Biochem Physiol [A]** 1984;78(1):73–6

Control enzyme levels in the plasma, brain and liver from wild birds and mammals in Britain. Westlake GE, et al. **Comp Biochem Physiol [C]** 1983;76(1):15–24

Effects of gastric filling and vagotomy on ingestion, nipple attachment, and weight gain by suckling rats. Lorenz DN. **Dev Psychobiol** 1983 Nov;16(6):469–83

Plasma corticosterone in wild starlings (Sturnus vulgaris) immediately following capture and in relation to body weight during the annual cycle. Dawson A, et al. **Gen Comp Endocrinol** 1983 Aug;51(2):303–8

Response of sows and litters to added dietary biotin in environmentally regulated facilities. Hamilton CR, et al. **J Anim Sci** 1984 Jul;59(1):151–7

A comparison of an 8- versus 16-hour photoperiod during lactation on suckling frequency of the baby pig and maternal performance of the sow. Mabry JW, et al. **J Anim Sci** 1983 Aug;57(2):292–5

Yield and composition of milk and weight gain of nursing pigs from sows fed diets containing fructose or dextrose. White CE, et al. **J Anim Sci** 1984 Jul;59(1):141–50

Effects of daily interrupted nursing on body weight and survival of Fischer 344 rat pups. Zelenak JP, et al. **J Appl Toxicol** 1983 Aug;3(4):218–9

The arousal of ingestive behaviors by chemical injection into the brain of the suckling rat. Ellis S, et al. **J Neurosci** 1984 Apr;4(4):945–55

Lactation in the dog: milk composition and intake by puppies. Oftedal OT. **J Nutr** 1984 May;114(5):803–12

Effects of weaning age on maternal reproduction and offspring health in rhesus monkeys (Macaca mulatta). Goo GP, et al. **Lab Anim Sci** 1984 Feb;34(1):66–9

Effects of restricted dietary flavor experience before weaning on postweaning food preference in puppies. Ferrell F. **Neurosci Biobehav Rev** 1984 Summer;8(2):191–8

Taming in wild rats following medial amygdaloid lesions. Kemble ED, et al. **Physiol Behav** 1984 Jan;32(1):131–4

Entrainment of the circadian rhythms of blinded infant rats by nursing mothers. Takahashi K, et al. **Physiol Behav** 1983 Sep;31(3):373–8

Attraction of gerbil pups to maternal nest odors: duration, specificity and ovarian control. Yahr P, et al. **Physiol Behav** 1983 Aug;31(2):241–7

Food intake of suckling rats after administration of glucose and amino acids. Mozeš S, et al. **Physiol Bohemoslov** 1983; 32(5):460–5

Changes in drug action in growing animals. Simunek J. **Vet Res Commun** 1983 Dec;7(1–4):337–48

[Oral and intramuscular intervention with dextriferron in growing male calves. 4. Development of food intake during the suckling period] Bünger U, et al. **Arch Tierernahr** 1984

Apr;34(4):271–85 (Eng. Abstr.) (Ger)
[Study of suckling behavior in the rat: the effects of food deprivation of pups and lactational age of mother] Miyamoto K, et al. **Shinrigaku Kenkyu** 1983 Aug; 54(3):147–52 (Eng. Abstr.) (Jpn)

SURGERY

Surgical correction of a luxated cataractous lens in a barred owl. Brooks DE, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1298–9
Enucleation in birds of prey. Murphy CJ, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1234–7
Dorsal cervical laminectomy and durotomy in a wild white-tailed deer. Snyder WT 2d. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1337–9
Surgical implantation of radiotelemetry devices in the sea otter. Williams TD, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1290–1

ANIMALS, DOMESTIC

Energy allocation and reproductive development in wild and domestic house mice. Bronson FH. **Biol Reprod** 1984 Aug; 31(1):83–8
Extrinsic allergic bronchiolitis in a bird fancier. Harries MG, et al. **Br J Ind Med** 1984 May;41(2):220–3
Sarcocystosis. Dubey JP, et al. **Br Vet J** 1983 Sep–Oct; 139(5):371–7
Elderly and pets are meant for each other. Rapelje DH. **Dimens Health Serv** 1983 Nov;60(11):11–3
Mesothelioma in pet dogs associated with exposure of their owners to asbestos. Glickman LT, et al. **Environ Res** 1983 Dec;32(2):305–13
Pet ownership: a research note. Lawton MP, et al. **Gerontologist** 1984 Apr;24(2):208–10
Helping people adjust to the death of a pet. Quackenbush JE, et al. **Health Soc Work** 1984 Winter;9(1):42–8
Insecticides and dips for farm animals. Kirkwood A. **In Pract** 1983 Nov;5(6):198–201
A new look at pet-facilitated therapy. Beck AM, et al. **J Am Vet Med Assoc** 1984 Feb 15;184(4):414–21 (51 ref.)
A perspective on animal rights and domestic animals . Jacobs FS. **J Am Vet Med Assoc** 1984 Jun 1;184(11):1344–5
Clinical management of lead poisoning. Kowalczyk DF. **J Am Vet Med Assoc** 1984 Apr 1;184(7):858–60
Hepatic metabolism and bioactivation of mycotoxins and plant toxins. Swick RA. **J Anim Sci** 1984 Apr;58(4):1017–28 (99 ref.)
Ivermectin: a review of efficacy and safety. Campbell WC, et al. **J Vet Pharmacol Ther** 1984 Mar;7(1):1–16 (73 ref.)
Prolonged defibrination after a bite from a 'nonvenomous' snake. Cable D, et al. **JAMA** 1984 Feb 17;251(7):925–6
Chloramphenicol use in food-producing animals [letter] Crawford LM. **Mod Vet Pract** 1984 Jun;65(6):419
Amyotrophic lateral sclerosis and pet exposure [letter] Mulder DW, et al. **N Engl J Med** 1983 Dec 1;309(22):1388
Animals do have rights [letter] **Nature** 1984 Mar 8–14; 308(5955):106
Pound animals for research and education. Cohen BJ. **Physiologist** 1984 Aug;27(4):190–1
Ethical problems in keeping and breeding farm animals. Ekesbo I. **Prog Clin Biol Res** 1983;128:167–83
Massachusetts forbids use of impounded pets in labs. [news] Fox JL. **Science** 1984 Jan 13;223(4632):151
Incidence of brucellosis in domestic livestock in Saudi Arabia. Radwan AI, et al. **Trop Anim Health Prod** 1983 Aug;15(3):139–43
Pet health insurance. Swiecki TL. **Vet Clin North Am [Small Anim Pract]** 1983 Nov; 13(4):711–21
Small animal practice: helping the profession to help itself. Bedford P. **Vet Rec** 1984 Apr 7;114(14):332–3
Cyanobacterial poisoning hazard in British freshwaters [letter] Codd GA. **Vet Rec** 1983 Sep 3;113(10):223–4
Wooldridge memorial lecture. Wild; captive; dead. Harrison RJ. **Vet Rec** 1983 Oct 8;113(15):342–7
What do you do with your dead? Turner T. **Vet Rec** 1983 Oct 15;113(16):359–60
Fungal nephrotoxins. Austwick PK. **Vet Res Commun** 1983 Dec;7(1–4):145–54 (28 ref.)
Some aspects of the teratogenicity of veterinary drugs. Delatour P. **Vet Res Commun** 1983 Dec;7(1–4):125–31
Aflatoxicosis in farm animals. Patterson DS. **Vet Res Commun** 1983 Dec;7(1–4):135–40
[Cost of illness insurance for small domestic animals. II] **Tijdschr Diergeneeskd** 1984 Feb 15;109(4):161–3 (Dut)
[The main points in the inventory of the activities of the Commission on Health and Welfare of Pets during the period from August 1979 through December 1983] **Tijdschr Diergeneeskd** 1984 Apr 1;109(7):310–2 (Dut)
[Health insurance for small domestic animals] **Tijdschr Diergeneeskd** 1983 Dec 15;108(24):985–7 (Dut)
[Sickness insurance for domestic animals. III] de la Lande Cremer RM. **Tijdschr Diergeneeskd** 1984 May 1; 109(9):380–2 (Dut)
[Diagnosis of rotavirus-caused enteritis in animals using Enzygnost Rotavirus ELISA] Oldenburg U, et al. **DTW** 1984 Jan 9;91(1):12–5 (Eng. Abstr.) (Ger)
[Current status of rabies in the Federal Republic of Germany] Rojahn A, et al. **DTW** 1983 Jul 6;90(7):250–6 (Eng. Abstr.) (Ger)
[Neuroimmunological diseases in domestic animals] Vandevelde M, et al. **DTW** 1983 Aug 8;90(8):310–3 (32 ref.) (Eng. Abstr.) (Ger)
[Chemical contamination of foodstuffs of animal origin as result of the use of sewage sludge] Hapke HJ. **Schweiz Arch Tierheilkd** 1983 Oct;125(10):685–93 (Ger)

ANATOMY & HISTOLOGY

On the presence, structure and probable functional role of taste buds located on the laryngeal surface of the epiglottis in some domestic animals. Palmieri G, et al. **Arch Anat Histol Embryol (Strasb)** 1983;66:55–66
On the presence and probable functional role of the nervous terminations located within the retractor penis muscle of some mammals. Palmieri G, et al. **Arch Anat Histol Embryol (Strasb)** 1983;66:181–90
Diagnostic ultrasound imaging in domestic animals: fundamental studies on abdominal organs and fetuses. Yamaga Y, et al. **Nippon Juigaku Zasshi** 1984 Apr; 46(2):203–12
[The gastric mucus of domestic animals] Knospe C. **Z Mikrosk Anat Forsch** 1983;97(5):829–48 (Eng. Abstr.) (Ger)

BLOOD

Evaluation of radioimmunoassay and radiocompetition methods of thyroxine estimation in blood serum of farm animals. Bobek S, et al. **Endokrynol Pol** 1983;34(3):205–15
Platelet function, size and yield in whole blood and in platelet-rich plasma prepared using differing centrifugation force and time in domestic and food-producing animals. Clemmons RM, et al. **Thromb Haemost** 1983 Dec 30; 50(4):838–43
Investigation on nuclear markers in the peripheral blood smear cells in nine species of domestic animals and in man. Mayr B, et al. **Zentralbl Veterinarmed [A]** 1983 Dec; 30(10):725–36

GENETICS

[The frequency of chromosome abnormalities in farm animals and their economic consequences] Popescu CP, et al. **Ann Genet (Paris)** 1984;27(2):69–72 (Eng. Abstr.) (Fre)
[Cytogenetic polymorphism in farm animals and its significance in animal production and veterinary medicine] Stranzinger G. **DTW** 1983 Jul 6;90(7):267–9 (Eng. Abstr.) (Ger)

GROWTH & DEVELOPMENT

Mathematical modeling of the relationship of feed efficiency, days to market weight, and costs of production. Miller GY, et al. **Growth** 1984 Summer;48(2):254–67
Growth and development of meat animals. Trenkle A, et al. **J Anim Sci** 1983 Jul;57 Suppl 2:273–83 (85 ref.)
Review of antimicrobial growth promoting agents available. Droumev D. **Vet Res Commun** 1983 Dec;7(1–4):85–99 (66 ref.)
Performance promoters in animal nutrition. I. Quantitative factorial analysis of effectiveness. Rosen GD. **Vet Res Commun** 1983 Dec;7(1–4):73–81
Modes of action of growth promoting agents. Walton JR. **Vet Res Commun** 1983 Dec;7(1–4):1–7

IMMUNOLOGY

Histocompatibility polymorphisms of domestic animals. Newman MJ, et al. **Adv Vet Sci Comp Med** 1983;27:1–76 (307 ref.)
Respiratory tract allergy to household pet birds. Marks MB. **Ann Allergy** 1984 Jan;52(1):56–7
A survey of domestic animals to detect serological responses against Legionella spp. by indirect fluorescent antibody. Barth TC, et al. **Can J Comp Med** 1983 Jul;47(3):341–6
The prevalence and public health significance of Toxoplasma gondii in indigenous meat animals in the Niger Delta. Arene FO. **Tropenmed Parasitol** 1984 Jun;35(2):133–5
[Technical and veterinary aspects of the aerogenic immunization against bacterial infections] Petzoldt K, et al. **DTW** 1983 Jul 6;90(7):291–5 (32 ref.) (Ger)
[Distribution of Coxiella burnetti: a seroepidemiological study of domestic animals and veterinarians] Metzler AE, et al. **Schweiz Arch Tierheilkd** 1983 Sep;125(9):507–17 (Eng. Abstr.) (Ger)

METABOLISM

Disturbances of vitamin A metabolism in animals. Karppan E, et al. **Acta Vet Scand** 1983;24(4):524–7
Cadmium contamination in agriculture and zootechnology. Van Bruwaene R, et al. **Experientia** 1984 Jan 15;40(1):43–52 (72 ref.)
Advances in mineral nutrition in ruminants. Ammerman CB, et al. **J Anim Sci** 1983 Jul;57 Suppl 2:519–33 (112 ref.)
Protein-amino nutrition of nonruminant animals with emphasis on the pig: past, present and future. Baker DH, et al. **J Anim Sci** 1983 Jul;57 Suppl 2:284–99 (183 ref.)
Rumen metabolism. Baldwin RL, et al. **J Anim Sci** 1983 Jul; 57 Suppl 2:461–77 (57 ref.)
Nitrogen metabolism of ruminant animals: historical perspective, current understanding and future implications. Owens FN, et al. **J Anim Sci** 1983 Jul;57 Suppl 2:498–518 (197 ref.)
Nitrogen metabolism in the rumen. Leng RA, et al. **J Dairy Sci** 1984 May;67(5):1072–89 (135 ref.)
[Iron deficiency in domestic animals] Agergaard N, et al. **Nord Vet Med** 1984 May–Jun;36(5–6):137–45 (Eng. Abstr.) (Nor)

MICROBIOLOGY

Serological survey of adenovirus antibodies in domestic animals in Nigeria. Obi TU, et al. **Comp Immunol Microbiol Infect Dis** 1984;7(1):63–8
Mycoplasma gallisepticum infection in wild-type turkeys living in close contact with domestic fowl. Jessup DA, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1245–7
Observations on the in vitro sensitivity and resistance of Gram positive intestinal bacteria of farm animals to growth promoting antimicrobial agents. Dutta GN, et al. **J Appl Bacteriol** 1984 Feb;56(1):117–23
Species distribution of coagulase-positive staphylococci in animals. Biberstein EL, et al. **J Clin Microbiol** 1984 May; 19(5):610–5
Aeromonas hydrophila in livestock: incidence, biochemical characteristics and antibiotic susceptibility. Gray SJ. **J Hyg (Lond)** 1984 Jun;92(3):365–75
Susceptibility of various animals to the vesiculovirus Piry. Wilks CR, et al. **J Hyg (Lond)** 1984 Aug;93(1):147–55
'Caution: pets may be hazardous to your health' [editorial] Hubbert WT. **JAMA** 1984 Feb 17;251(7):934–5
Antibiotic sensitivity patterns of Campylobacter jejuni/coli isolated from laboratory animals and pets. Fox JG, et al. **Lab Anim Sci** 1984 Jun;34(3):264–7
Pet-turtle-associated salmonellosis--Puerto Rico. **MMWR** 1984 Mar 16;33(10):141–2
Saprophytic fungi isolated from the hair of domestic and laboratory animals with suspected dermatophytosis. Aho R. **Mycopathologia** 1983 Nov 21;83(2):65–73
Epizootiological studies on R plasmid with carbadox resistance. Ohmae K, et al. **Nippon Juigaku Zasshi** 1983 Apr;45(2):165–70
Serovar identification of leptospires of the Australis serogroup isolated from free-living and domestic species in the United Kingdom. Hathaway SC, et al. **Res Vet Sci** 1983 Jul;35(1):64–8
A sero-epidemiological survey for certain arboviruses (Togaviridae) in Pakistan. Darwish MA, et al. **Trans R Soc Trop Med Hyg** 1983;77(4):442–5
A sero-epidemiological survey for Bunyaviridae and certain other arboviruses in Pakistan. Darwish MA, et al. **Trans R Soc Trop Med Hyg** 1983;77(4):446–50
A comparison of the effect of tiamulin hydrogen fumarate and tylosin tartrate on mycoplasmas of ruminants and some animal ureaplasmas. Stipkovits L, et al. **Vet Microbiol** 1984 Apr;9(2):147–53
[Activity and minimal inhibitory concentration of turimycin against important pathogens in veterinary medicine] Worseck M, et al. **Arch Exp Veterinarmed** 1983 Jul; 37(4):587–97 (Eng. Abstr.) (Ger)
[Endemic strains of pathogenic Leptospirae isolated in Latin America and the Caribbean] Macedo SL, et al. **Rev Cubana Med Trop** 1983 May–Aug;35(2):186–92 (Eng. Abstr.) (Spa)
[Antibiotic sensitivity of Staphylococcus aureus strains isolated from different animal species] Rojas X, et al. **Zentralbl Veterinarmed [B]** 1983 Jul;30(6):408–14 (Eng. Abstr.) (Spa)

PARASITOLOGY

Natural Entamoeba histolytica infection in domestic animals and rodents in Dakahlia Governorate, Egypt. Abo-Shady AF, et al. **J Egypt Soc Parasitol** 1983 Jun;13(1):125–8
Domestic animals infested by hard ticks in Dakahlia, Egypt. El-Magied SA, et al. **J Egypt Soc Parasitol** 1983 Jun; 13(1):135–8

PHYSIOLOGY

Embryo transfer in domestic animals. Anderson GB. **Adv Vet Sci Comp Med** 1983;27:129–62 (204 ref.)
Physiology of male reproduction. Amann RP, et al. **J Anim Sci** 1983 Jul;57 Suppl 2:380–403 (195 ref.)
Pregnancy and parturition. Bazer FW, et al. **J Anim Sci** 1983 Jul;57 Suppl 2:425–60 (334 ref.)
Ionophores: their effect on production efficiency and mode of action. Bergen WG, et al. **J Anim Sci** 1984 Jun; 58(6):1465–83 (107 ref.)
Physiology of the estrous cycle. Hansel W, et al. **J Anim Sci** 1983 Jul;57 Suppl 2:404–24 (169 ref.)
Effects of synthetic and natural toxicants on livestock. Shull LR, et al. **J Anim Sci** 1983 Jul;57 Suppl 2:330–54 (124 ref.)
Sperm survival and transport in the female reproductive tract. Hawk HW. **J Dairy Sci** 1983 Dec;66(12):2645–60 (104 ref.)
The concept of 'productive adaptability' of domestic animals in tropical and subtropical regions. Horst P. **J S Afr Vet Assoc** 1983 Sep;54(3):159–64
[Sex behavior and reproduction of farm animals] Ganovski Kh, et al. **Vet Med Nauki** 1983;20(8):55–60 (40 ref.) (Eng. Abstr.) (Bul)
[Endocrinology and animal production] Blum JW. **Schweiz Arch Tierheilkd** 1983 Dec;125(12):827–50 (28 ref.) (Eng. Abstr.) (Ger)

ANIMALS, LABORATORY

Animal experimentation. The Jewish view [editorial] Rosner

F. **Arch Intern Med** 1984 May;144(5):927–8

Uniform DC electric field exposure systems for mice and cats. Kobayashi T, et al. **Bioelectromagnetics** 1983; 4(4):303–14

The pathogenicity of Haemophilus somnus in various laboratory animal species. Dewey KJ, et al. **Can J Comp Med** 1984 Jan;48(1):27–9

Prevalence and diagnosis of laboratory animal allergy. Beeson MF, et al. **Clin Allergy** 1983 Sep;13(5):433–42

A computer program for the statistical analysis of disease prevalence data from survival/sacrifice experiments. Mitchell TJ, et al. **Comput Programs Biomed** 1983 Aug–Oct;17(1–2):45–63

Spontaneous eye lesions in laboratory animals: incidence in relation to age. Taradach C, et al. **CRC Crit Rev Toxicol** 1984;12(2):121–47 (114 ref.)

Whole-body and local dosimetry in rats exposed to 2.45-GHz microwave radiation. McRee DI, et al. **Health Phys** 1984 Feb;46(2):315–20

Naturally occurring pasteurellosis in laboratory rabbits: chemical and serological studies of whole cells and lipopolysaccharides of Pasteurella multocida. Manning PJ. **Infect Immun** 1984 May;44(2):502–7

The Sabra rat: definition of a laboratory animal. Lutsky I, et al. **Isr J Med Sci** 1984 Jul;20(7):603–12

Esophageal/gastric leiomyoma in the laboratory Beagle. Culbertson R, et al. **J Am Vet Med Assoc** 1983 Dec 1; 183(11):1168–71

Epizootic of parainfluenza-3 virus infection in gibbons. Martin DP, et al. **J Am Vet Med Assoc** 1983 Dec 1; 183(11):1185–7

Causes of death of infant rhesus and squirrel monkeys. Padovan D, et al. **J Am Vet Med Assoc** 1983 Dec 1; 183(11):1182–4

On statistical tests of significance in studies of survivorship in laboratory animals. Mode CJ, et al. **J Gerontol** 1984 Jan; 39(1):36–42

The National Institutes of Health animal handlers medical surveillance program. Rivera JC, et al. **J Occup Med** 1984 Feb;26(2):115–7

Scientific procedures on animals: discussion paper. Dayan AD. **J R Soc Med** 1984 Feb;77(2):131–4

On the choice of experimental populations for research in neurobehavioral toxicology. Young SS. **J Toxicol Environ Health** 1983 Oct–Dec;12(4–6):841–2

Spontaneous malformations in JW-NIBS rabbits. Matsubara Y, et al. **Jikken Dobutsu** 1984 Apr;33(2):227–32

Spontaneous teratoma in a Wistar rat. Ninomiya H. **Jikken Dobutsu** 1983 Jul;32(3):145–9

Laboratory animal allergy: the measurement of airborne urinary allergens and the effects of different environmental conditions. Edwards RG, et al. **Lab Anim** 1983 Jul; 17(3):235–9

The relief of pain in laboratory animals. Flecknell PA. **Lab Anim** 1984 Apr;18(2):147–60 (90 ref.)

The use of flexible film isolators for housing experimental animals. Pendry A. **Lab Anim** 1984 Apr;18(2):131–4

Euthanasia of small laboratory animals [letter] Battisti GA 3d. **Lab Anim Sci** 1984 Jun;34(3):228

Retro-orbital technique for blood collection from the ferret (Mustela putorius furo). Fox JG, et al. **Lab Anim Sci** 1984 Apr;34(2):198–9

Clinical features of simian acquired immunodeficiency syndrome (SAIDS) in rhesus monkeys. Henrickson RV, et al. **Lab Anim Sci** 1984 Apr;34(2):140–5

Epidemiologic aspects of an outbreak of acquired immunodeficiency in rhesus monkeys (Macaca mulatta). Lerche NW, et al. **Lab Anim Sci** 1984 Apr;34(2):146–50

Seborrheic dermatitis in a rhesus monkey (Macaca mulatta). Newcomer CE, et al. **Lab Anim Sci** 1984 Apr;34(2):185–7

Trapping, care, and laboratory management of the silvered leaf monkey (Presbytis cristatus). Palmieri JR, et al. **Lab Anim Sci** 1984 Apr;34(2):194–7

Sharp decline in animal use in a pharmacological research institute [letter] Jori A. **Lancet** 1984 Jul 28;2(8396):229

Biomedical laboratories and criminal liability for cruelty to animals. Curran WJ. **N Engl J Med** 1983 Dec 22; 309(25):1564–5

Reconciling humane concerns and laboratory animal research [letter] Fox MW. **N Engl J Med** 1984 Feb 2;310(5):325–6

Law-medicine notes: the use of animals in research [letter] Wise SM. **N Engl J Med** 1984 Aug 2;311(5):337

Animals do have rights [letter] **Nature** 1984 Mar 8–14; 308(5955):106

Double-talk on animals. NIH seems more ready to risk its reputation than to meet serious critics on animal care [news] **Nature** 1984 May 3–9;309(5963):2

Animal rights nonsense [news] **Nature** 1983 Oct 13–19; 305(5935):562

Animal welfare: UK compromise and coercion [news] Beardsley T. **Nature** 1984 May 3–9;309(5963):8

Animal legislation: California pounds stay open [news] Blakeslee S. **Nature** 1984 Jun 7–13;309(5968):487

Raid on US baboon laboratory [news] Budiansky S. **Nature** 1984 Jun 7–13;309(5968):487

Laboratory animals. Animal rights lobby cashes in [news] Chown M. **Nature** 1984 Sep 13–19;311(5982):95

Laboratory animals: NIH to lay down the law [news] David P. **Nature** 1984 Apr 19–25;308(5961):680

Commentary on 'Animal research—for and against: a philosophical, social, and historical perspective'. Cooper T, et al. **Perspect Biol Med** 1983 Autumn;27(1):18–21

Animal research—for and against: a philosophical, social, and historical perspective. Rowan AN, et al. **Perspect Biol Med** 1983 Autumn;27(1):1–17

Animal issues [news] **Physiologist** 1983 Oct;26(5):270–4

Pound animals for research and education. Cohen BJ. **Physiologist** 1984 Aug;27(4):190–1

The dog as a research subject. Gay WI. **Physiologist** 1984 Jun;27(3):133–41

Animal legislation by the Congress now rest with the Senate. Samuels WM. **Physiologist** 1984 Feb;27(1):13

Are regulations to protect experimental animals adequate? Obrink KJ. **Prog Clin Biol Res** 1983;128:159–66

Bill proposes added review of animal research [news] Fox JL. **Science** 1984 Apr 6;224(4644):36–7

Changes in animal care policy proposed [news] Fox JL. **Science** 1984 Apr 27;224(4647):364–5

Animal rights bill defeated in California [news] Fox JL. **Science** 1984 Jun 29;224(4656):1414

Lab break-in stirs animal welfare debate [news] Fox JL. **Science** 1984 Jun 22;224(4655):1319–20

Lab animal welfare issue gathers momentum. Fox JL. **Science** 1984 Feb 3;223(4635):468–9

Massachusetts forbids use of impounded pets in labs. [news] Fox JL. **Science** 1984 Jan 13;223(4632):151

Ban on shooting animals for research is lifted [news] Fox JL. **Science** 1984 Feb 10;223(4636):568–9

Animal rights movement [letter] McArdle JE. **Science** 1984 Jul 13;225(4658):114,116

The Taub case [letter] Morrison AR, et al. **Science** 1984 Aug 31;225(4665):878

A pressure chamber for removing cryobiopsies from small laboratory animals. Müller-Klieser W, et al. **Strahlentherapie** 1984 Jul;160(7):436–8

Pain relief in experimental animals [letter] Flecknell PA. **Vet Rec** 1983 Nov 5;113(19):453

[Swiss Academy of Medical Sciences—Swiss Society for Natural Sciences: Ethical principles and rules for scientific animal experiments] **Bull Schweiz Akad Med Wiss** 1982–83 Sep;:103–25 **(Ger, Fre)**

[An ethical code for animal experiment research] Piechowiak H. **Med Welt** 1983 Dec 16;34(50):1445–7 **(Ger)**

[Experimental animal information file: chromosomes of muskrats (Suncus murinus)] Kawamata J. **Gan To Kagaku Ryoho** 1984 Jun;11(6):1345–8 **(Jpn)**

[Experimental animal information file: Ochotona rufescens rufescens] Kawamata J. **Gan To Kagaku Ryoho** 1983 Dec; 10(12):2585–6 **(Jpn)**

[History of the development of laboratory animal science in Japan—recollections of a laboratory animal scientist] Tajima Y. **Jikken Dobutsu** 1984 Jan;33(1):1–23 **(Jpn)**

[Convenient methods for marking newborn rats] Yamada T, et al. **Jikken Dobutsu** 1984 Apr;33(2):201–7 (Eng. Abstr.) **(Jpn)**

[Method for carrying out experiments on laboratory animals] Lebedev MD. **Farmakol Toksikol** 1983 Sep–Oct; 46(5):111–3 (Eng. Abstr.) **(Rus)**

[Anesthesia in laboratory animals during combined treatment with steady and pulsed currents] Lebedev VP, et al. **Fiziol Zh SSSR** 1983 Aug;69(8):1120–3 **(Rus)**

[Microdispenser of gases for treating laboratory animals] Pazynich VM, et al. **Gig Sanit** 1983 Sep;(9):53–4 **(Rus)**

ANATOMY & HISTOLOGY

Echocardiography application in experiments on small laboratory animals. Krajewski A, et al. **Acta Physiol Pol** 1982 Sep–Dec;33(5–6):661–4

Possibilities of correction of stereotaxic coordinates by different skull's sizes of laboratory animals. Rozhold O, et al. **Acta Univ Palacki Olomuc Fac Med** 1976;80:249–57

BLOOD

Activated coagulation time for rhesus monkeys (Macaca mulatta). Schiffer SP, et al. **Lab Anim Sci** 1984 Apr; 34(2):191–3

[Age dependence of some hematological parameters in the Wistar:Schönwalde strain of white laboratory rat] Wolf G. **Folia Haematol (Leipz)** 1984;111(1):86–96 (Eng. Abstr.) **(Ger)**

[Biochemical values in serum of laboratory animals (VI). Variations in the data due to pretreatment and sampling volume] Kaneko T, et al. **Eisei Shikenjo Hokoku** 1983; (101):109–15 (Eng. Abstr.) **(Jpn)**

GENETICS

[The world stock of inbred animals] Dushkin VA, et al. **Vestn Akad Med Nauk SSSR** 1983;(9):7–10 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

[Mineralization and growth of the incisors and molars of laboratory mammals] Radtke G, et al. **Zahn Mund Kieferheilkd** 1983;71(8):804–9 (Eng. Abstr.) **(Ger)**

[Effect of different protein levels on the nutritive value of mixed diets with increased content of soy bean protein. I. Results of studies on the development of laboratory rats] Czarnowska-Misztal E, et al. **Rocz Panstw Zakl Hig** 1983; 34(2):127–34 (Eng. Abstr.) **(Pol)**

IMMUNOLOGY

Skin tests and blood leukocyte histamine release of patients with allergies to laboratory animals. Hook WA, et al. **J Allergy Clin Immunol** 1984 Apr;73(4):457–65

MICROBIOLOGY

Susceptibility of various animals to the vesiculovirus Piry. Wilks CR, et al. **J Hyg (Lond)** 1984 Aug;93(1):147–55

Ten years-long survey on pathogen status of mouse and rat breeding colonies. Nakagawa M, et al. **Jikken Dobutsu** 1984 Jan;33(1):115–20

Isolation of Campylobacter jejuni from experimental dogs and monkeys in Japan. Yoshimura M, et al. **Jikken Dobutsu** 1984 Apr;33(2):209–12

Antibiotic sensitivity patterns of Campylobacter jejuni/coli isolated from laboratory animals and pets. Fox JG, et al. **Lab Anim Sci** 1984 Jun;34(3):264–7

Laboratory rat associated outbreak of haemorrhagic fever with renal syndrome due to Hantaan-like virus in Belgium. Desmyter J, et al. **Lancet** 1983 Dec 24–31; 2(8365–66):1445–8

Saprophytic fungi isolated from the hair of domestic and laboratory animals with suspected dermatophytosis. Aho R. **Mycopathologia** 1983 Nov 21;83(2):65–73

Leptospirosis in laboratory mice [letter] Alexander AD. **Science** 1984 Jun 15;224(4654):1158

[Recent findings on cell wall-free prokaryotes associated with experimental animals] Koshimizu K. **Jikken Dobutsu** 1984 Jan;33(1):25–45 (189 ref.) **(Jpn)**

[Mycotic skin infections transmitted by laboratory animals] Macura AB. **Przegl Epidemiol** 1983;37(3–4):397–402 (Eng. Abstr.) **(Pol)**

[The role of normal microflora for the control of health of laboratory animals] Dushkin VA, et al. **Vestn Akad Med Nauk SSSR** 1983;(9):78–81 (Eng. Abstr.) **(Rus)**

[Gnotobiotic animals in experimental medicine] Zaĭtsev TI, et al. **Vestn Akad Med Nauk SSSR** 1983;(9):57–63 (97 ref.) (Eng. Abstr.) **(Rus)**

PARASITOLOGY

Hymenolepis muris-sylvaticae in laboratory rodents. Van Haeren C, et al. **J Helminthol** 1984 Mar;58(1):31–7

Species and strain differences in sensitivity to Toxoplasma infection among laboratory rodents. Fujii H, et al. **Jpn J Med Sci Biol** 1983 Dec;36(6):343–6

Louse infestations of tree shrews (Tupaia glis). Durden LA, et al. **Lab Anim Sci** 1984 Apr;34(2):188–90

The protective mucosal response against gastrointestinal nematodes in ruminants and laboratory animals. Miller HR. **Vet Immunol Immunopathol** 1984 May;6(1–2):167–259 (341 ref.)

[Prevalence of protozoans helminths among cats purchased for experimental use in the Kanto Area] Fujinami F, et al. **Jikken Dobutsu** 1983 Jul;32(3):133–7 (Eng. Abstr.) **(Jpn)**

[Parasitic diseases of laboratory animals as natural biological models] Poleshchuk VD, et al. **Vestn Akad Med Nauk SSSR** 1983;(9):72–5 (36 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Pain perception and alleviation in animals. Erickson HH, et al. **Fed Proc** 1984 Apr;43(5):1307–12

Drug-nutrient interactions and their implications for safety evaluations. Conner MW, et al. **Fundam Appl Toxicol** 1984 Jun;4(3 Pt 2):S341–56

Feeding characteristics of Mongolian gerbils (Meriones unguiculatus). Otken CC, et al. **Lab Anim Sci** 1984 Apr; 34(2):181–4

Physiological changes in laboratory rats caused by different housing. Klír P, et al. **Physiol Bohemoslov** 1984; 33(2):111–21

Animals in aging research: requirements, pitfalls and a challenge for the laboratory animal specialist. Solleveld HA, et al. **Vet Q** 1984 Apr;6(2):96–101 (30 ref.)

[Problems of non-acclimatized maintenance of laboratory animals] Ankermann H. **Biomed Biochim Acta** 1983; 42(4):417–8 **(Ger)**

[Automatic data recording and analysis of motor activities in the open-field test] Harms K, et al. **Z Versuchstierkd** 1984;26(2):77–9 (Eng. Abstr.) **(Ger)**

[Planned reproduction of the house musk shrew (Suncus murinus)] Matsuzaki T, et al. **Jikken Dobutsu** 1984 Apr; 33(2):223–6 (Eng. Abstr.) **(Jpn)**

SURGERY

Imperforate vagina in mice: per cent incidence and surgical repair. Masangkay JS, et al. **Jikken Dobutsu** 1983 Jul; 32(3):139–44

A closed anesthetic system for small laboratory animals. Mulder JB, et al. **Lab Anim Sci** 1984 Feb;34(1):77–8

ANIMALS, NEWBORN

Correlations between muscle tone and acid-base balance in newborn calves: experimental substantiation of a simple new score system proposed for neonatal status diagnosis. Szenci O. **Acta Vet Acad Sci Hung** 1982;30(1–3):79–84

Influence of induced maternal acidosis on the acid-base

balance of the newborn calf. Szenci O, et al. **Acta Vet Acad Sci Hung** 1982;30(1-3):71-7

An outbreak of excessive neonatal mortality in four Danish mink farms. II. Analytic epidemiological investigations. Bøtner AG, et al. **Acta Vet Scand** 1983;24(4):499-511

An outbreak of excessive neonatal mortality in four Danish mink farms. I. Descriptive epidemiological investigations. Jørgensen PH, et al. **Acta Vet Scand** 1983;24(4):488-98

Nifedipine attenuates acute hypoxic pulmonary vasoconstriction in awake piglets. Redding GJ, et al. **Am Rev Respir Dis** 1984 May;129(5):785-9

Development of the gastrointestinal mucosal barrier. IV. The effect of inhibition of proteolysis on the uptake of macromolecules by the intestine of the newborn rabbit before and after weaning. Udall JN, et al. **Biol Neonate** 1984;45(6):289-95

Litter size, maternal parameters, and brain and body parameters of neonatal rats. Zamenhof S, et al. **Biol Neonate** 1984;45(6):296-8

Anticarcinogenic effect of long-term oral administration of red ginseng on newborn mice exposed to various chemical carcinogens. Yun TK, et al. **Cancer Detect Prev** 1983; 6(6):515-25

Growth of mammary epithelial cells from neonatally sex hormone-exposed mice in serum-free collagen gel culture. Tomooka Y, et al. **Cancer Lett** 1983 Oct;20(3):255-61

Vibratory ventilation decreases filtration of fluid in the lungs of newborn lambs. Raj JU, et al. **Circ Res** 1983 Oct; 53(4):456-63

The influence of ionizing radiation and serotonin on litter size and body weight of newborn C57B mice. Manowska J, et al. **Folia Biol (Krakow)** 1983;31(4):401-6

Neonatal oocyte development and selective oocyte-killing by X-rays in the Chinese hamster, Cricetulus griseus. Tateno H, et al. **Int J Radiat Biol** 1984 Feb;45(2):139-49

Toxic hepatic failure in newborn foals. Divers TJ, et al. **J Am Vet Med Assoc** 1983 Dec 15;183(12):1407-13

Hyperosmotic oral replacement fluid for diarrheic calves. Jones R, et al. **J Am Vet Med Assoc** 1984 Jun 15; 184(12):1501-5

Causes of death of infant rhesus and squirrel monkeys. Padovan D, et al. **J Am Vet Med Assoc** 1983 Dec 1; 183(11):1182-4

Hepatotoxicosis in neonatal foals [letter] Swerczek TW, et al. **J Am Vet Med Assoc** 1983 Aug 15;183(4):388

In-vivo induction of lactation in mammary glands isografted from neonates to pregnant mice. Hoshino K. **J Endocrinol** 1983 Nov;99(2):245-50

Effects of exposure to pups on maternal behaviour, sexual behaviour and serum prolactin concentrations in male rats. Södersten P, et al. **J Endocrinol** 1984 Jul;102(1):115-9

Thymic sensitivity to sex hormones develops post-natally; an in vivo and an in vitro study. Barr IG, et al. **J Immunol** 1984 Mar;132(3):1095-9

Isolation, characterization, and synthesis of alpha-fetoprotein from neonatal rat brain. Mujoo K, et al. **J Neurochem** 1983 Nov;41(5):1223-8

Cerebral blood flow in the newborn lamb with polycythemia and hyperviscosity. Rosenkrantz TS, et al. **J Pediatr** 1984 Feb;104(2):276-80

Intestinal osmoregulation of single component meals in neonatal piglets. Wolf SA, et al. **J Pediatr Surg** 1983 Dec; 18(6):757-61

Experimental partial ureteric obstruction in newborn rats. IV. Do the morphological effects progress continuously? Claesson G, et al. **J Urol** 1983 Dec;130(6):1217-22

Neonatal infection with the Daniels strain of Theiler's murine encephalomyelitis virus. Rodriguez M, et al. **Lab Invest** 1983 Dec;49(6):672-9

Genetically engineered monoclonal antibody for E coli diarrhea in calves. Morter RL. **Mod Vet Pract** 1984 Jun; 65(6):427-8

Further studies on 6-mercaptopurine-induced muscle atrophy in rats, mice, and hamsters treated as neonates. Alleva FR, et al. **Pediatr Pharmacol (New York)** 1984; 4(1):39-48

Lung fluid balance in hypoxic lambs. Hansen TN, et al. **Pediatr Res** 1984 May;18(5):434-40

Changes in responsiveness to newborn pups in pregnant, nulliparous golden hamsters. Buntin JD, et al. **Physiol Behav** 1984 Mar;32(3):437-9

Naturally occurring spleen-associated suppressor activity of the newborn mouse. Requirement for two genetic restrictions in suppression of lethal graft-versus-host disease by newborn spleen cells. Jadus MR, et al. **Scand J Immunol** 1984 Jul;20(1):81-91

The effect of graded hypothermia on hypoxic-ischemic brain damage: a neuropathologic study in the neonatal rat. Young RS, et al. **Stroke** 1983 Nov-Dec;14(6):929-34

Taste aversion learning in preweanling rats exposed to alcohol prenatally. Riley EP, et al. **Teratology** 1984 Jun; 29(3):325-31

Estrogenic activity of zearalenone and zearalanol in the neonatal rat uterus. Sheehan DM, et al. **Teratology** 1984 Jun;29(3):383-92

Toxicity of aluminum exposure during lactation to the maternal and suckling rabbit. Yokel RA. **Toxicol Appl Pharmacol** 1984 Aug;75(1):35-43

Modification of allograft immunogenicity in perinatal islets isolated and purified in vitro. Hegre OD, et al. **Transplantation** 1984 Mar;37(3):227-33

Toxic hepatopathy in neonatal foals. Acland HM, et al. **Vet Pathol** 1984 Jan;21(1):3-9

Mortality, morbidity, and external injuries in piglets housed in two different housing systems. I. Farrowing house. Vellenga L, et al. **Vet Q** 1983 Jul;5(3):101-6

The 'fading puppy complex': an assessment of a paraimmunity inducer as a means of control. Blunden AS. **Vet Rec** 1983 Aug 27;113(9):201

Correction of entropion in newborn lambs. Eales FA, et al. **Vet Rec** 1984 Feb 25;114(8):193

Resuscitation of hypothermic lambs. Eales FA, et al. **Vet Rec** 1982 Feb 6;110(6):121-3

Causes of hypothermia in 89 lambs. Eales FA, et al. **Vet Rec** 1982 Feb 6;110(6):118-20

Neonatal respiratory distress syndrome in the calf. Eigenmann UJ, et al. **Vet Rec** 1984 Feb 11;114(6):141-4

Acceptability of levamisole and oxyclozanide for the post parturient ewe and newborn lamb. Oakley GA, et al. **Vet Rec** 1984 Apr 14;114(15):381-2

Developmental and behavioral effects of maternal alcohol exposure in rats. Iwasaki T, et al. **Yakubutsu Seishin Kodo** 1982 Jul;2(1):39-46

Neonatal gonadal hormone treatments and adult open-field behavior in female rats. Yoshimura H, et al. **Yakubutsu Seishin Kodo** 1982 Dec;2(2):81-5

[A cow with an extremely prolonged gestation period] Matthijsen HF, et al. **Tijdschr Diergeneeskd** 1983 Nov 1; 108(21):829-30 (Eng. Abstr.) **(Dut)**

[Convenient methods for marking newborn rats] Yamada T, et al. **Jikken Dobutsu** 1984 Apr;33(2):201-7 (Eng. Abstr.) **(Jpn)**

[Effect of neonatal sympathectomy on systemic hemodynamics and myocardial contractility in spontaneously hypertensive rats] Markov KhM, et al. **Biull Eksp Biol Med** 1983 Oct;96(10):35-7 (Eng. Abstr.) **(Rus)**

[Treatment of acute liver insufficiency by heterotopic liver transplantation (experimental study)] Dugladze DI, et al. **Khirurgiia (Mosk)** 1983 Jul;(7):47-50 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Arterial anatomy of chicken embryo and hatchling. Levinsohn EM, et al. **Am J Anat** 1984 Apr;169(4):377-405

Autonomic mechanisms in the ductus venosus of the lamb. Coceani F, et al. **Am J Physiol** 1984 Jul;247(1 Pt 2):H17-24

Histochemical survey of the distribution of the epidermal melanoblasts and melanocytes in the mouse during fetal and postnatal periods. Hirobe T. **Anat Rec** 1984 Apr; 208(4):589-94

Ultrastructural aspects after cryoultramicrotomy of bone tissue and sutural cartilage in neonatal mice calvaria. Boivin G, et al. **Biol Cell** 1983;49(3):227-30

Does the early exuberant retinal projection to the superior colliculus in the neonatal rat develop synaptic connections? Jeffery G, et al. **Brain Res** 1984 May;316(1):135-8

The isolated sinoatrial node cell in primary culture from the newborn rat. Marvin WJ Jr, et al. **Circ Res** 1984 Aug; 55(2):253-60

A quantitative morphological study of the optic nerve of pre-weanling rats. Simpson BJ, et al. **Experientia** 1984 Aug 15;40(8):855-6

Degeneration and phagocytosis of smooth muscle cells in the neonatal rat ureter. Hoyes AD, et al. **J Anat** 1983 Oct; 137 (Pt 3):583-9

Isolation and culture of amoeboid microglial cells from the corpus callosum and cavum septum pellucidum in postnatal rats. Ling EA, et al. **J Anat** 1983 Sep;137 (Pt 2):223-33

Intensely fluorescent cells in embryonic and postnatal superior cervical ganglia of the rat cultured with or without hydrocortisone. Soinila S, et al. **J Auton Nerv Syst** 1984 Jul;11(1):43-57

The course of axons of retinal ganglion cells within the optic nerve and tract of the chick (Gallus gallus). Ehrlich D, et al. **J Comp Neurol** 1984 Mar 10;223(4):583-91

The cerebral cortex of the new-born guinea pig. A quantitative Golgi study of the layer V pyramidal cell. Fabregues I, et al. **J Hirnforsch** 1984;25(3):291-4

Comparative and functional morphology of the stomach in the adult and newborn pigmy hippopotamus (Choeropsis liberiensis). Macdonald AA, et al. **J Morphol** 1983 Sep; 177(3):269-76

Perinuclear microtubules in postnatal rat heart. Park RS, et al. **J Morphol** 1984 Jan;179(1):13-9

Taste bud morphology in the fetal and neonatal dog. Ferrell F. **Neurosci Biobehav Rev** 1984 Summer;8(2):175-83

Neonatal retinal ganglion cell cultures of high purity: effect of superior colliculus on their survival. Armson PF, et al. **Neurosci Lett** 1983 Jul 29;38(2):181-6

[Electron microscope studies of the structure and junctions of heart and skeletal muscle capillaries in the rat during pre- and postnatal development] Welt K, et al. **Gegenbaurs Morphol Jahrb** 1983;129(5):593-7 (Eng. Abstr.) **(Ger)**

[Persistence and disappearance of hyaloid artery in newborn cynomolgus monkeys] Suzuki MT, et al. **Jikken Dobutsu** 1984 Apr;33(2):233-5 (Eng. Abstr.) **(Jpn)**

BLOOD

Effects of Escherichia coli endotoxin on leukocyte and platelet counts, fibrinogen concentrations, and blood clotting in colostrum-fed and colostrum-deficient neonatal calves. Deldar A, et al. **Am J Vet Res** 1984 Apr;45(4):670-7

Endocrine reactivity (T3, T4, cortisol) during cold exposure in preterm and full-term lambs. Cabello G. **Biol Neonate** 1983;44(4):224-33

Lipoproteins and lipids in fetal, neonatal and adult rat serum. Johansson MB. **Biol Neonate** 1983;44(5):278-86

Serum erythropoietic activity in the rat around birth. Nagel MD, et al. **Biol Neonate** 1984;46(1):44-7

The evolution of alpha-1 and alpha-2-macroglobulin levels in the serum of rabbit fetus and newborn. Versavel C, et al. **Comp Biochem Physiol [B]** 1983;75(4):701-2

Accumulation of prolactin by maternal milk and its transfer to circulation of neonatal rat—a review. Grosvenor CE, et al. **Endocrinol Exp (Bratisl)** 1983 Oct;17(3-4):271-82

Thyroid hormones and plasma corticosteroid binding globulin capacity in fetal and newborn lambs. Ballard PL, et al. **Endocrinology** 1983 Oct;113(4):1197-200

Hormone ontogeny in the ovine fetus. XVI. Plasma immunoreactive somatomedin C/insulin-like growth factor I in the fetal and neonatal lamb and in the pregnant ewe. Van Vliet G, et al. **Endocrinology** 1983 Nov;113(5):1716-20

Plasma glucose and protein concentrations in rat fetuses and neonates exposed to cataractogenic doses of mirex. Rogers JM, et al. **Environ Res** 1984 Jun;34(1):155-61

Transfer of gamma-glutamyltransferase from mother colostrum to newborn goat and foal. Braun JP, et al. **Enzyme** 1984;31(4):193-6

Maternal transfer and retention of supplemental selenium in neonatal calves. Weiss WP, et al. **J Dairy Sci** 1984 Feb; 67(2):416-20

Parturition-related changes in insulin-like growth factors-I and -II in the perinatal lamb. Gluckman PD, et al. **J Endocrinol** 1983 Nov;99(2):223-32

Neonatal glucocorticoid administration: effect on the diurnal rhythm of serum concentrations of corticosterone, progesterone and LH, and the response to pregnant mare serum gonadotrophin in immature female rats. Mann DR, et al. **J Endocrinol** 1984 Feb;100(2):203-7

Sex differences in the serum concentrations of testosterone in mice and hamsters during their critical periods of neural sexual differentiation. Pang SF, et al. **J Endocrinol** 1984 Jan;100(1):7-11

Pharmacokinetics of chloramphenicol in the neonatal horse. Brumbaugh GW, et al. **J Vet Pharmacol Ther** 1983 Sep; 6(3):219-27

Plasma level of 1,25-dihydroxyvitamin D in neonatal calves. Naito Y, et al. **Nippon Juigaku Zasshi** 1983 Aug;45(4):533-5

Acute respiratory distress syndrome (ARDS) in lambs. Hematology. Ulvund MJ, et al. **Nord Vet Med** 1984 May-Jun;36(5-6):170-8

Effect of caffeine on thyroid and pituitary function in newborn rats. Clozel M, et al. **Pediatr Res** 1983 Jul; 17(7):592-5

The effect of high or low oxygen affinity red cells on tissue oxygenation and myocardial function in hypoxic newborn lambs with or without hypercapnia. Urfer FN, et al. **Pediatr Res** 1983 Jul;17(7):567-72

[Metabolic profile of newborn calves and levels of immunoglobulins in the first days of life] Kudláč E, et al. **Vet Med (Praha)** 1983 Jul;28(7):401-12 (Eng. Abstr.) **(Cze)**

[Relation between blood properties of sows during pregnancy and their litter during parturition] Steinhardt M, et al. **Arch Exp Veterinarmed** 1983 Jul;37(4):559-67 (Eng. Abstr.) **(Ger)**

EMBRYOLOGY

Perinatal development of the lung in rat and spiny mouse: its relation to altricial and precocial timing of birth. Oosterhuis WP, et al. **Biol Neonate** 1984;45(5):236-43

GENETICS

Inheritance of maternal immunoglobulin G1 concentration by the bovine neonate. Muggli NE, et al. **J Anim Sci** 1984 Jul;59(1):39-48

GROWTH & DEVELOPMENT

Postnatal development of sarcolemmal invaginations in right atrial myocardium of the rat. Ferguson DG, et al. **Acta Anat (Basel)** 1983;117(4):289-302

Tooth mineralisation relative to somatic growth retardation in the rat. Park AW. **Acta Morphol Neerl Scand** 1984 Mar; 22(1):53-73

Comparative ototoxicity of four aminoglycosidic antibiotics during the critical period of cochlear development in the rat. A functional and structural study. Lenoir M, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1983;405:1-16

Abnormal distribution of fiber types in the slow-twitch soleus muscle of the C57BL/6J dy2J/dy2J dystrophic mouse during postnatal development. Ovalle WK, et al. **Am J Anat** 1983 Nov;168(3):291-304

Organogenesis of the pituitary, adrenal, and lung at birth in the wallaby, Macropus rufogriseus. Walker MT, et al. **Am J Anat** 1983 Nov;168(3):331-44

1,25-Dihydroxyvitamin D3 normalizes maternal food consumption and pup growth in rats. Brommage R, et al. **Am J Physiol** 1984 Mar;246(3 Pt 1):E227-31

Nutritional modification of rat heart postnatal development. Dowell RT. **Am J Physiol** 1984 Mar;246(3 Pt 2):H332-8

Postnatal development of the bronchiolar Clara cell in rats. Massaro GD, et al. **Am J Physiol** 1984 Sep;247(3 Pt

1):C197-203
Observations on the postnatal morphogenesis of the porcine humeral condyle and the pathogenesis of osteochondrosis. Kincaid SA, et al. **Am J Vet Res** 1983 Nov;44(11):2095-103
Postnatal development of ipsilateral retino-geniculate projections in normal albino rats and the effects of removal of one eye at birth. Manford M, et al. **Anat Embryol (Berl)** 1984;170(1):71-8
Development of the vitamin A-storing cell in mouse liver during late fetal and neonatal periods. Matsumoto E, et al. **Anat Embryol (Berl)** 1984;169(3):249-59
Ectopic photoreceptor cells and cell death in the developing rat retina. Spira A, et al. **Anat Embryol (Berl)** 1984; 169(3):293-301
The development of capillaries in the telencephalon of beagle puppies. Leuschen MP, et al. **Anat Rec** 1984 Mar; 208(3):435-43
Sexual maturation in male rats after centchroman and naphthofuran administration during neonatal period. Dhar JD, et al. **Andrologia** 1983 Sep-Oct;15(5):463-7
Cyproterone acetate induced changes in the behaviour of hydroxysteroid dehydrogenases in rat Leydig cells during perinatal development. Haider SG, et al. **Andrologia** 1983 Sep-Oct;15(5):498-506
Fetal and postnatal development of the lung. Burri PH. **Annu Rev Physiol** 1984;46:617-28 (47 ref.)
A micrometric and cytophotometric study of the simultaneous development of the cerebellar cortex and dental function in the rat during the early post-natal period. Ehrmann O, et al. **Arch Oral Biol** 1984;29(6):407-11
Adaptive changes in lipid composition of rat liver plasma membrane during postnatal development following maternal ethanol ingestion. Rovinski B, et al. **Biochim Biophys Acta** 1983 Nov 23;735(3):407-17
Pre- and postnatal developmental changes in hypothalamic and pituitary content of alpha-melanocyte-stimulating hormone and somatostatin in the rat. Khorram O, et al. **Biol Neonate** 1984;46(2):80-8
Prevention of continuous light-induced anovulation in rats by early exposure to continuous light. Hagino N, et al. **Biol Reprod** 1983 Sep;29(2):355-61
The effect of over-feeding newborn rabbits on somatic and visceral growth, body composition and long-term growth potential. Spencer SA, et al. **Br J Nutr** 1984 May; 51(3):389-402
Segmental motor projections to rat muscles during the loss of polyneuronal innervation. Bennett MR, et al. **Brain Res** 1984 Mar;315(1):1-7
The relationship between nutritional adequacy and brain myelin accumulation: a comparison of varying degrees of well fed and undernourished rats. Fuller GN, et al. **Brain Res** 1984 Jan 2;290(1):195-8
Ontogenesis of adenosine receptors in the central nervous system of the rat. Geiger JD, et al. **Brain Res** 1984 Mar; 315(1):97-104
Bilateral transitory projection to visual areas from auditory cortex in kittens. Innocenti GM, et al. **Brain Res** 1984 May; 316(1):143-8
Transneuronal effects of early eye removal on geniculo-cortical projection cells. Jeffery G. **Brain Res** 1984 Apr;315(2):257-63
The synthesis of myelin and brain subcellular membrane proteins in the offspring of rats fed ethanol during pregnancy. Lancaster FE, et al. **Brain Res** 1982 Mar 4; 235(1):105-13
The development of callosal projections in normal and one-eyed rats. Lund RD, et al. **Brain Res** 1984 May; 316(1):139-42
Estrogen target neurons in the forebrain of the cat during postnatal development. Rees HD, et al. **Brain Res** 1984 Mar;315(1):73-9
Development of steroid-receptor systems in guinea pig brain. I. Cytoplasmic estrogen receptors. Ryer HI, et al. **Brain Res** 1984 Mar;315(1):9-14
Development of steroid-receptor systems in guinea pig brain. III. Nuclear progestin receptors. Ryer HI, et al. **Brain Res** 1984 Mar;315(1):23-7
Development of steroid-receptor systems in guinea pig brain. II. Cytoplasmic progestin receptors. Ryer HI, et al. **Brain Res** 1984 Mar;315(1):15-21
Influences of both thyroid and bovine growth hormones on substance P, thyrotropin-releasing hormone, serotonin and 5-hydroxyindoleacetic acid contents in the lumbar spinal cord of developing rats. Savard P, et al. **Brain Res** 1984 Mar;315(1):105-10
Electrophysiological studies of the development of suprachiasmatic neuronal activity in hypothalamic slice preparations. Shibata S, et al. **Brain Res** 1984 Mar; 315(1):29-35
Reproduction and progeny growth in rats fed clinoptilolite in the presence or absence of dietary cadmium. Pond WG, et al. **Bull Environ Contam Toxicol** 1983 Dec;31(6):666-72
Patterns of vascularization in the developing cerebral cortex. Bär T. **Ciba Found Symp** 1983;100:20-36
New regulatory factors for melanogenesis: developmental changes in neonatal mice of various genotypes. Murray M, et al. **Dev Biol** 1983 Nov;100(1):120-6
Interactions of a phosphodiesterase inhibitor, 3-isobutyl-1-methyl xanthine, with prostaglandin E2, follicle-stimulating hormone, luteinizing hormone, and dibutyryl cyclic 3',5'-adenosine monophosphate (cAMP) in cAMP and steroid production by neonatal rat ovaries in vitro. Reddoch RB, et al. **Endocrinology** 1984 Jul; 115(1):11-8
Pineal N-acetyltransferase activity in 10-day-old rats: a paradigm for studying the developing circadian system. Reppert SM, et al. **Endocrinology** 1984 Sep;115(3):918-25
Evidence for a differential postnatal development of proenkephalin B (= prodynorphin)-derived opioid peptides in the rat hypothalamus. Seizinger BR, et al. **Endocrinology** 1984 Sep;115(3):926-35
Glucose-6-phosphate dehydrogenase activity in individual rat hepatocytes of different ploidy classes. I. Developments during postnatal growth. Van Noorden CJ, et al. **Eur J Cell Biol** 1984 Jan;33(1):157-62
Muscle development: neonatal to adult. Baldwin KM. **Exerc Sport Sci Rev** 1984;12:1-19 (68 ref.)
Effect of denervation at birth on the development of skeletal muscle cell types in the rat. Dhoot GK, et al. **Exp Neurol** 1983 Oct;82(1):131-42
Impact of intermittent prolonged asphyxia in rat sucklings on growth and development. Ferrara A, et al. **Growth** 1984 Spring;48(1):120-33
The uniformity of growth within the litter of the marsupial, Isoodon macrourus. Gemmell RT, et al. **Growth** 1984 Summer;48(2):221-33
Factors affecting growth and survival of neonatal genetically obese and lean swine: cross fostering experiments. Mersmann HJ, et al. **Growth** 1984 Summer;48(2):209-20
Maturation of the ileal epithelium in the young rat. Carlile AE, et al. **J Anat** 1983 Sep;137 (Pt 2):357-69
An autoradiographic study of the postnatal development of sensorimotor and visual components of the corticopontine system. Mihailoff GA, et al. **J Comp Neurol** 1984 Jan 1; 222(1):116-27
The development and postnatal organization of motor nuclei in the rat thoracic spinal cord. Smith CL, et al. **J Comp Neurol** 1983 Oct 10;220(1):16-28
Postnatal development of the inferior olivary complex in the rat. II. Topographic organization of the immature olivocerebellar projection. Sotelo C, et al. **J Comp Neurol** 1984 Jan 10;222(2):177-99
Effects of sensory deprivation on the developing mouse olfactory system: a light and electron microscopic, morphometric analysis. Benson TE, et al. **J Neurosci** 1984 Mar;4(3):638-53
Postnatal development of aminergic projections to frontal cortex: effects of cortical lesions. Beaulieu M, et al. **J Neurosci Res** 1983;10(4):351-61
Early post-natal development of neuronal function in the kitten's visual cortex: a laminar analysis. Albus K, et al. **J Physiol (Lond)** 1984 Mar;348:153-85
Evolution of brain size in neonatal and adult placental mammals: a theoretical approach. Hofman MA. **J Theor Biol** 1983 Nov 21;105(2):317-32
Complete recovery of growth deficits after reversal of PTU-induced postnatal hypothyroidism in the female rat: a model for catch-up growth. Meisami E. **Life Sci** 1984 Apr 9;34(15):1487-96
Developmental effects of alpha-fluoromethylhistidine, an irreversible inhibitor of histidine decarboxylase, on growth and on levels and turnover of catecholamines. Slotkin TA, et al. **Life Sci** 1983 Nov 21;33(21):2137-45
Lead induced alterations in maternal behavior and offspring development in the rat. Barrett J, et al. **Neurobehav Toxicol Teratol** 1983 Sep-Oct;5(5):557-63
Effects of gestational alcohol on the development of neonatal reflexes in the rat. Cogan DC, et al. **Neurobehav Toxicol Teratol** 1983 Sep-Oct;5(5):517-22
Suppression of PGO waves in the kitten: anatomical effects on the lateral geniculate nucleus. Davenne D, et al. **Neurosci Lett** 1984 Mar 9;45(1):33-8
Colostrum-induced enteric mucosal growth in beagle puppies. Heird WC, et al. **Pediatr Res** 1984 Jun;18(6):512-5
Differential effects of selective dopamine, norepinephrine or catecholamine depletion on activity and learning in the developing rat. Raskin LA, et al. **Pharmacol Biochem Behav** 1983 Nov;19(5):743-9
Postnatal development of the beta-adrenergic receptor complex in brown adipose tissue of the rat. Svoboda P, et al. **Physiol Bohemoslov** 1984;33(2):97-103
Boyd Orr memorial lecture. Milk and the newborn animal. Widdowson EM. **Proc Nutr Soc** 1984 Jan;43(1):87-100 (45 ref.)
Tactile and nutritional aspects of maternal care: specific regulators of neuroendocrine function and cellular development. Schanberg SM, et al. **Proc Soc Exp Biol Med** 1984 Feb;175(2):135-46 (18 ref.)
Neonatal methyl mercury exposure: biochemical mechanisms in the developing kidney. Bartolome JV. **Prog Clin Biol Res** 1983;140:357-71
Maturation of the hypothalamic--pituitary--gonadal axis in the male lamb: a review. Collu R, et al. **Psychoneuroendocrinology** 1983;8(2):213-24 (39 ref.)
Somatic development in premature mice from birth to weaning. Loctin J, et al. **Reprod Nutr Dev** 1983; 23(5):915-26
Postnatal ontogeny of metallothionein in various organs of the rat. Waalkes MP, et al. **Toxicol Appl Pharmacol** 1984 Jul;74(3):314-20
[Development of the maximal dipole moment of the heart with respect to postnatal heart growth] Joel A, et al. **Gegenbaurs Morphol Jahrb** 1983;129(4):419-24 (Eng. Abstr.) **(Ger)**
[Effect of oral administration of tris(2-chloroethyl) phosphate to pregnant rats on prenatal and postnatal development] Kawashima K, et al. **Eisei Shikenjo Hokoku** 1983; (101):55-61 (Eng. Abstr.) **(Jpn)**
[Effect of oral administration of sodium dialkyl sulfosuccinate on pre- and post-natal development in mice] Momma J, et al. **Eisei Shikenjo Hokoku** 1983;(101):48-55 (Eng. Abstr.) **(Jpn)**
[Safety evaluation of micronomicin IX. Perinatal and postnatal study by intravenous injection in rats] Hara T, et al. **Jpn J Antibiot** 1983 Nov;36(11):3250-3 (Eng. Abstr.) **(Jpn)**
[Effect of stress experienced before pregnancy on the reproductive ability of the rat and the condition of the progeny] Serova LV, et al. **Patol Fiziol Eksp Ter** 1983 Nov-Dec;(6):38-42 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Effects of immunization of mothers on the immune reaction of their offspring: inhibition of immune responses of offspring caused by antibody imported through the milk. Izuchi K, et al. **Am J Reprod Immunol** 1984 Mar;5(2):66-71
Effect of rotavirus and/or Escherichia coli infection on the aggregated lymphoid follicles in the small intestine of neonatal gnotobiotic calves. Torres-Medina A. **Am J Vet Res** 1984 Apr;45(4):652-60
Cellular constituents of clinically normal foal bronchoalveolar lavage fluid during postnatal maturation. Zink MC, et al. **Am J Vet Res** 1984 May;45(5):893-7
Local immunity in rotaviral infections. Bachmann PA, et al. **Ann Rech Vet** 1983;14(4):502-6
Infection with enterotoxigenic Escherichia coli in calves and protection of the calves by vaccination of the dams. Krogh HV. **Ann Rech Vet** 1983;14(4):522-5
Interferon induction in rotavirus and coronavirus infections: a review of recent results. La Bonnardière C, et al. **Ann Rech Vet** 1983;14(4):507-11
Influence of birth prematurity on colostrum composition and subsequent immunity of piglets. Milon A, et al. **Ann Rech Vet** 1983;14(4):533-40
Genetic and immune factors in the susceptibility of piglets to Escherichia coli diarrhoea. Sellwood R. **Ann Rech Vet** 1983;14(4):512-8
Immunization against Marek's disease transplantable cell lines. Nazerian K, et al. **Avian Dis** 1984 Jan-Mar; 28(1):160-7
Neonatal splenic suppressor cells in the chicken. I. In vivo suppression of the immune response to bovine serum albumin by normal and tolerized neonatal spleen cells. Morgan AS, et al. **Cell Immunol** 1983 Dec;82(2):370-7
The development of intraepithelial and Peyer's patch lymphocyte sub-types in the small intestine of newborn rats. Lyscom N, et al. **Clin Exp Immunol** 1983 Oct; 54(1):158-62
Tolerance induction during ontogeny. II. Distinct unresponsive states in immature mice question the generality of clonal abortion. Waters CA, et al. **Eur J Immunol** 1983 Nov;13(11):928-35
Influence of impairment of the immune system on hepatic biotransformation reactions, their postnatal development and inducibility. Klinger W, et al. **Exp Pathol** 1983; 24(4):219-25
Increase in the number of plaque-forming cells in the spleen of newborns from adoptively immunized mothers. Dorić M, et al. **Folia Biol (Praha)** 1984;30(2):141-4
Role of maternal immunity in the protection of newborn ferrets against infection with a virulent influenza virus. Husseini RH, et al. **Immunology** 1984 Jul;52(3):389-94
Ontogeny of 'macrophage' function. IV. Newborn mouse macrophages strongly suppress tumour cell growth and readily acquire cytolytic activity in comparison with adult macrophages. Ido M, et al. **Immunology** 1984 Jun; 52(2):307-17
Exposure of neonatal female mice to diethylstilbestrol persistently impairs NK activity through reduction of effector cells at the bone marrow level. Kalland T. **Immunopharmacology** 1984 Apr;7(2):127-34
Abnormal T-lymphocyte proliferation and cytotoxic responses induced by a neonatal injection of hydrocortisone: normalization by interleukin-2 addition. Ezine S, et al. **Int J Immunopharmacol** 1984;6(2):125-32
Seasonal variation in passive transfer of immunoglobulin G1 to newborn calves. Gay CC, et al. **J Am Vet Med Assoc** 1983 Sep 1;183(5):566-8
Antigen binding to lymphoid cells from unimmunized mice. VII. Restriction of antigen-binding capacity by maturing B lymphocytes. DeLuca D. **J Immunogenet** 1984 Feb; 11(1):79-96
B lymphocyte lineage cells in newborn and very young NZB mice: evidence for regulatory disorders affecting B cell formation. Jyonouchi H, et al. **J Immunol** 1983 Nov; 131(5):2219-25
Membrane and metabolic requirements for tolerance induction of neonatal B cells. Teale JM, et al. **J Immunol** 1984 Oct;133(4):1811-7
Inefficient in vivo neutrophil migration in neonatal rats. Schuit KE, et al. **J Leukocyte Biol** 1984 Jun;35(6):583-6
Spectrotypic analysis of passively acquired and newly synthesised IgG antibodies in the neonatal and young mouse. Appleby P, et al. **J Reprod Immunol** 1984 May; 6(3):177-86
Immunoglobulins and measles antibody in sera of newborn

cynomolgus monkeys and in milk of their mothers. Fujimoto K, et al. **Jpn J Med Sci Biol** 1983 Aug; 36(4):209–14

Prevention of colibacillosis in neonatal swine with a 4–pilus E coli bacterin. To SC. **Mod Vet Pract** 1984 Jan;65(1):39–41

Ontogenic development and biological role of fetal suppressor cells and newborn contrasuppressor cells in mice. Skowron–Cendrzak A. **Pol J Pharmacol Pharm** 1984 Mar–Jun;36(2–3):177–85 (45 ref.)

Increase in neonatal suppressor cell activity resulting from the graft–versus–host reaction. Argyris BF. **Transplantation** 1984 Sep;38(3):247–51

Immunological status of mice with long–standing allogeneic or xenogeneic neonatal heart grafts. Chernyakhovskaya IYu, et al. **Transplantation** 1984 Sep;38(3):267–72

Ability of neonatally induced tolerance of Ia antigens to overcome adoptive transfer of allo–Ia immunity and to erase its memory. Streilein JW, et al. **Transplantation** 1984 Jan;37(1):106–7

Maximising the absorption of colostral immunoglobulins in the newborn dairy calf. Petrie L. **Vet Rec** 1984 Feb 18; 114(7):157–63

[Ontogenesis and differentiation of IgE B lymphocytes in the rat] Manouvriez P, et al. **Reprod Nutr Dev** 1984; 24(2):167–73 (41 ref.) (Eng. Abstr.) **(Fre)**

[Immunity in the fetus and the newborn infant: a swine model] Salmon H. **Reprod Nutr Dev** 1984;24(2):197–206 (35 ref.) (Eng. Abstr.) **(Fre)**

[The immunoprotein profile of calves raised under extremely healthy conditions] Paulik S, et al. **Vet Med (Praha)** 1983 Nov;28(11):669–78 (Eng. Abstr.) **(Slo)**

[Absorption of colostral immunoglobulins and its interdependence] Paulik S, et al. **Vet Med (Praha)** 1984 Mar;29(3):137–49 (Eng. Abstr.) **(Slo)**

METABOLISM

The role of the endolymphatic sac in statoconial formation and degradation. Imoto T, et al. **Acta Otolaryngol (Stockh)** 1983 Sep–Oct;96(3–4):227–35

Pharmacokinetics and metabolism of sulphadiazine in neonatal and young pigs. Friis C, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 May;54(5):321–6

Local cerebral glucose utilization in fetal and neonatal sheep. Abrams RM, et al. **Am J Physiol** 1984 Apr;246(4 Pt 2):R608–18

Heart cyclic nucleotide responses to sustained aortic constriction in neonatal and adult rats. Dowell RT, et al. **Am J Physiol** 1984 Feb;246(2 Pt 2):H197–206

Renal osmotic effect of mannitol in the neonatal and adult dog. Kleinman LI, et al. **Am J Physiol** 1984 Sep;247(3 Pt 2):F396–402

Effect of ischemia on calcium exchange in the rabbit myocardium. Nishioka K, et al. **Am J Physiol** 1984 Aug; 247(2 Pt 2):H177–84

Oxidation of carbohydrates and palmitate by intact cultured neonatal rat heart cells. Ross PD, et al. **Am J Physiol** 1984 Mar;246(3 Pt 2):H389–97

Chloramphenicol and the neonatal calf. Burrows GE, et al. **Am J Vet Res** 1984 Aug;45(8):1586–91

Regional distribution and variation of gamma–globulin absorption from the small intestine of the neonatal calf. Fetcher A, et al. **Am J Vet Res** 1983 Nov;44(11):2149–54

Enzymhistochemical and morphometrical studies on delta 5–3 beta–hydroxysteroid dehydrogenase during the fetal and neonatal development of rat Leydig cells. Ziegler HG, et al. **Andrologia** 1983 Jul–Aug;15(4):392–7

Molecular mechanism of change in serum alpha–fetoprotein concentration during neonatal development of analbuminemic rats. Makino R, et al. **Ann NY Acad Sci** 1983;417:31–8

The importance of colostral immunoglobulins and their absorption from the intestine of the newborn animals. Kruse PE. **Ann Rech Vet** 1983;14(4):349–53

Development of lipid metabolism. Hahn P. **Annu Rev Nutr** 1982;2:91–111 (163 ref.)

Effects of ATP on various steps controlling the rate of oxidative phosphorylation in newborn rat liver mitochondria. Baggetto L, et al. **Arch Biochem Biophys** 1984 Aug 1;232(2):670–8

Changes in the structure and chemical composition of the mandibular condylar cartilage of the neonatal mouse. Livne E, et al. **Arch Oral Biol** 1983;28(9):805–12

Decline with age in the rate of reduction of progesterone to 20 alpha–hydroxypregn–4–en–3–one in the blood of perinatal ruminants. Nancarrow CD. **Aust J Biol Sci** 1983; 36(2):183–90

Malnutrition and oxygen at high pressure: influence on collagen synthesis in lung and heart of the newborn rat. Nakamoto T, et al. **Aviat Space Environ Med** 1984 Jun; 55(6):528–33

Insulin downregulates neonatal brain insulin receptors. Devaskar SU, et al. **Biochem Biophys Res Commun** 1984 Apr 30;120(2):359–67

Evidence for decreased GDP binding to brown–adipose–tissue mitochondria of obese Zucker (fa/fa) rats in the very first days of life. Bazin R, et al. **Biochem J** 1984 Jul 1;221(1):241–5

Development and regulation of ketogenesis in hepatocytes isolated from newborn rats. Ferré P, et al. **Biochem J** 1983 Sep 15;214(3):937–42

Metallothionein–I in the plasma and liver of neonatal rats. Mehra RK, et al. **Biochem J** 1984 Feb 1;217(3):859–62

Isolation, characterization and synthesis of alpha–foetoprotein from neonatal–rat skin. Mujoo K, et al. **Biochem J** 1983 Oct 15;216(1):227–31

Ventilation–induced release of phosphatidylcholine from neonatal–rat lungs in vitro. Nijjar MS. **Biochem J** 1984 Aug 1;221(3):577–86

Phosphoenolpyruvate carboxykinase from guinea–pig liver mitochondria. Immunological evidence for increase in enzyme amount during neonatal development. Wicheanvonagoon S, et al. **Biochem J** 1984 Jul 1; 221(1):105–11

Effect of maternal pethidine administration on neonatal brain cyclic AMP levels and ornithine decarboxylase activities. Persitz E, et al. **Biochem Pharmacol** 1984 Jun 1; 33(11):1816–8

Abnormal bile acid pool and composition in neonates of spontaneously diabetic Wistar BB rats and its change during development. Subbiah MT, et al. **Biochim Biophys Acta** 1984 Jul 26;794(3):355–60

High phosphate requirement for oxidative phosphorylation and low affinity for phosphate transport in newborn rat liver mitochondria. Baggetto L, et al. **Biochimie** 1983 Nov–Dec;65(11–12):685–90

Evidence that hepatic mitochondrial mass decreases during the first sixteen hours following birth in starved newborn rats. Escrivá F, et al. **Biol Neonate** 1984;45(3):125–8

Effect of colostrum intake on metabolic rate and plasma glucose in the neonatal pig in relation to environmental temperature. Le Dividich J, et al. **Biol Neonate** 1984; 46(2):98–104

Developmental changes in mitochondrial components in liver of newborn rats. Miyahara M, et al. **Biol Neonate** 1984; 45(3):129–41

Development of the lipolytic activity in isolated perfused perinatal rabbit lungs and the influence of maternal cigarette smoke exposure on it. Simberg N, et al. **Biol Neonate** 1983;44(5):264–71

The effects of prenatal exposure to structurally diverse chemicals on the ontogeny of rat dehydrogenases. Stewart JL, et al. **Biol Neonate** 1984;46(2):69–79

Intestinal transmission of macromolecules (BSA and FITC–labelled dextrans) in the neonatal pig. Influence of age of piglet and molecular weight of markers. Weström BR, et al. **Biol Neonate** 1984;46(1):20–6

Conversion of choline to phosphatidylcholine in the isolated–ventilated–perfused neonatal rabbit lung. Zachman RD, et al. **Biol Neonate** 1983;44(3):129–37

Neonatal role of milk folate–binding protein: studies on the course of digestion of goat's milk folate binder in the 6–d–old kid. Salter DN, et al. **Br J Nutr** 1983 Nov; 50(3):589–96

The ontogeny of specific binding sites for the calcium channel antagonist, nitrendipine, in mouse heart and brain. Erman RD, et al. **Brain Res** 1983 Nov 14;278(1–2):327–31

Estrogen induction of progestin receptors in pituitary, hypothalamic and uterine cytosol of androgenized female rats. Kirchhoff J, et al. **Brain Res** 1983 Sep 19;275(1):173–7

The neonatal cerebellum: the highest level of glucocorticoid receptors in the brain. Pavlík A, et al. **Brain Res** 1984 Jan; 314(1):13–20

Maternal diabetes mellitus and changes in neonatal rat lung and alveolar surfactant phospholipids. Koumanov K, et al. **Bull Eur Physiopathol Respir** 1983 Sep–Oct;19(5):447–51

Regulation of phosphoenolpyruvate carboxykinase during postnatal development in the rat. Hahn P, et al. **Can J Biochem Cell Biol** 1983 Jul;61(7):683–7

Characterization of neonatal cardiac myosin heavy chain mRNA and synthesis of complementary DNA. Jandreski M, et al. **Can J Biochem Cell Biol** 1984 Apr;62(4):185–90

Localization of GABA high–affinity binding sites in the pancreas of neonatal rat. Reusens–Billen B, et al. **Cell Tissue Res** 1984;235(3):503–8

Protein–energy malnutrition alters theophylline effect on DNA synthesis in neonatal rat brain in vitro. Quinby GE Jr, et al. **Clin Exp Pharmacol Physiol** 1984 May–Jun; 11(3):327–31

Regulation of hepatic gluconeogenesis by rapid compartmentation of mitochondrial adenine nucleotides in the newborn rabbit. Brennan WA Jr, et al. **Comp Biochem Physiol [B]** 1984;77(1):35–9

Zinc–binding proteins of newborn rat epidermis. Fukuyama K, et al. **Curr Probl Dermatol** 1983;11:327–38

Maternal, fetal, and neonatal elimination of ethanol in nonhuman primates. Hill DE, et al. **Dev Pharmacol Ther** 1983;6(4):259–68

Influence of perinatal nutrition on hepatic drug metabolism in the adult rat. Sonawane BR, et al. **Dev Pharmacol Ther** 1983;6(5):323–32

Postnatal increase in airway surfactant in the premature rabbit exposed in utero to betamethasone. Ward JA, et al. **Dev Pharmacol Ther** 1983;6(6):388–403

Neonatal imprinting of sex differences in the hepatic metabolism of a chlorinated cyclodiene by rat liver microsomes. Finnen MJ, et al. **Drug Metab Dispos** 1984 Jan–Feb;12(1):127–30

Pulmonary absorption of drugs in the neonatal and adult guinea pig. Hemberger JA, et al. **Drug Metab Dispos** 1983 Nov–Dec;11(6):615–6

The effect of 2–deoxy–D–glucose on insulin release by neonatal rat B cells in culture. Shimizu S, et al. **Endocrinol Jpn** 1983 Apr;30(2):255–60

Gonadotropin–releasing hormone agonist analog–induced steroidogenic lesion in the neonatal rat testis: evidence for direct gonadal action. Huhtaniemi IT, et al. **Endocrinology** 1984 Jul;115(1):233–8

Gonadal steroid concentrations in serum and hypothalamus of the rat at birth: aromatization of testosterone to 17 beta–estradiol. Rhoda J, et al. **Endocrinology** 1984 May; 114(5):1754–60

Postnatal development of beta–endorphin–related peptides in rat anterior and intermediate pituitary lobes: evidence for contrasting development of proopiomelanocortin processing. Seizinger BR, et al. **Endocrinology** 1984 Jul; 115(1):136–42

Demonstration of immunoreactive beta–endorphin– and gamma 3–melanocyte–stimulating hormone–related peptides in the ovaries of neonatal, cyclic, and pregnant mice. Shaha C, et al. **Endocrinology** 1984 Jul;115(1):378–84

Dipeptidyl aminopeptidase in neonatal rat brain regions. Imai K, et al. **Experientia** 1984 Mar 15;40(3):263–4

Passage of foreign proteins across the intestinal wall of newborn rabbits. Štěpánková R, et al. **Folia Microbiol (Praha)** 1983;28(6):489–95

Impact of neonatal treatment with cardioactive glycosides (digoxin, ouabain) on receptor binding capacity, blood level and cardiac function in the adult rat. Extension of the imprinting theory. Csaba G, et al. **Gen Pharmacol** 1983; 14(6):709–11

The effect of adrenaline, acetylcholine and histamine on aminotransferase A1AT and AspAT and cholinesterase activity in blood plasma of 1 to 3–day–old chicks. Kołataj A, et al. **Gen Pharmacol** 1984;15(1):71–4

Intestinal permeability to polyethyleneglycol 600 in relation to macromolecular 'closure' in the neonatal pig. Weström B, et al. **Gut** 1984 May;25(5):520–5

Distribution of 35S–taurine in rat neonates and adults. A whole–body autoradiographic study. Shimada M, et al. **Histochemistry** 1984;80(3):225–30

Calmodulin dependency of induced glucose responsiveness in neonatal islets. Dunlop M, et al. **Horm Metab Res** 1983 Oct;15(10):514–5

Intrauterine malnutrition: effect on fetal hepatic size, protein status and related enzymes. Agarwal KN, et al. **Indian Pediatr** 1983 Jun;20(6):409–14

Relationship between inhibition of 3–hydroxy–3–methylglutaryl–CoA reductase by cholesterol feeding and short–term changes in membrane fluidity during neonatal development. Ramirez H, et al. **Int J Biochem** 1984;16(3):291–5

Studies on the regulation of hepatic pyruvate kinase synthesis in neonatal rats. Wu SW, et al. **Int J Biochem** 1984; 16(5):523–7

Pathophysiology of excessive iron storage in mynah birds. Gosselin SJ, et al. **J Am Vet Med Assoc** 1983 Dec 1; 183(11):1238–40

Drug disposition in neonatal animals. Short CR. **J Am Vet Med Assoc** 1984 May 1;184(9):1161–2

Decreased oxidative metabolism in neonatal rat lung exposed to hyperoxia. Kimura RE, et al. **J Appl Physiol** 1983 Nov; 55(5):1501–5

DNA methylation in maternal, fetal and neonatal rat tissues following perinatal administration of procarbazine. Wiestler OD, et al. **J Cancer Res Clin Oncol** 1984;108(1):56–9

Fuel metabolism and energy stores in fasting or suckling newborn guinea pigs. Duée PH, et al. **J Dev Physiol** 1983 Dec;5(6):383–93

Neonatal exposure to a progestin via milk alters subsequent LH cyclicity in the female rat. Holzhausen C, et al. **J Endocrinol** 1984 Feb;100(2):149–54

Immunocytochemical localization of Mullerian inhibiting substance in the rough endoplasmic reticulum and Golgi apparatus in Sertoli cells of the neonatal calf testis using a monoclonal antibody. Hayashi M, et al. **J Histochem Cytochem** 1984 Jun;32(6):649–54

Characterization and quantification of epidermal and dermal glucocorticoid receptors in the rat. Smith K, et al. **J Invest Dermatol** 1984 Jan;82(1):44–8

The relationship between myocardial enzyme release and Ca2+ uptake during hypoxia and reoxygenation in the newborn and adult heart. Nakanishi T, et al. **J Mol Cell Cardiol** 1984 Jun;16(6):519–32

Effect of sow vitamin D status at parturition on the vitamin D status of neonatal piglets. Goff JP, et al. **J Nutr** 1984 Jan;114(1):163–9

Effect of maternal vitamin B–6 restriction on pyridoxal phosphate concentrations in developing regions of the central nervous system in rats. Groziak S, et al. **J Nutr** 1984 Apr;114(4):727–32

A study of the acylcarnitine content of sows' colostrum, milk and newborn piglet tissues: demonstration of high amounts of isovalerylcarnitine in colostrum and milk. Kerner J, et al. **J Nutr** 1984 May;114(5):854–61

Preweaning nutrition and fat development in baboons. Lewis DS, et al. **J Nutr** 1983 Nov;113(11):2253–9

Effect of dietary nickel on growth, urease activity, blood parameters and tissue mineral concentrations in the neonatal pig. Spears JW, et al. **J Nutr** 1984 May; 114(5):845–53

Altered brown adipose tissue mitochondrial function in neonates born to rats overfed foods of various protein content. Tyzbir RS. **J Nutr** 1984 Jan;114(1):234–7

Anti–estrogens in fetal and newborn target tissues. Pasqualini JR, et al. **J Steroid Biochem** 1984 Jan;20(1):121–8

Clearance of penicillin G in the newborn calf. Short CR,

et al. **J Vet Pharmacol Ther** 1984 Mar;7(1):45–8

Delta sleep–inducing peptide (DSIP)–like material is absorbed by the gastrointestinal tract of the neonatal rat. Banks WA, et al. **Life Sci** 1983 Oct 17;33(16):1587–97

Effects of neonatal treatment with diethylstilbestrol and 17 alpha–hydroxyprogesterone caproate on in vitro pituitary prolactin secretion. Lopez J, et al. **Life Sci** 1984 Jun 4; 34(23):2303–11

Influences of maternal caffeine on the neonatal rat brains vary with the nutritional states. Mori M, et al. **Life Sci** 1983 Nov 21;33(21):2091–5

Hypothyroidism in the fetal and neonatal rat does not impair the insulin secretory response to glucose. Swenne I. **Life Sci** 1983 Nov 28;33(22):2207–11

Pathways of acetyl CoA production for lipogenesis from acetoacetate, beta–hydroxybutyrate, pyruvate and glucose in neonatal rat lung. Sheehan PM, et al. **Lipids** 1984 Feb; 19(2):103–8

Ontogeny of N,N–dimethyltryptamine and related indolealkylamine levels in neonatal rats. Beaton JM, et al. **Mech Ageing Dev** 1984 Jun;25(3):343–7

Circulating triacylglycerols, lipoproteins, and tissue lipoprotein lipase activities in rat mothers and offspring during the perinatal period: effect of postmaturity. Ramírez I, et al. **Metabolism** 1983 Apr;32(4):333–41

Absence of gonadotropin–induced desensitization of testosterone production in the neonatal rat testis. Huhtaniemi IT, et al. **Mol Cell Endocrinol** 1983 Sep; 32(1):81–90

Neonatal estrogen affects preoptic/anterior hypothalamic LHRH differently in adult male and female rats. Elkind–Hirsch K, et al. **Neuroendocrinology** 1984 Jan; 38(1):68–74

Effect of norepinephrine on the pituitary adrenocorticotrophic activation by ether stress and on the in vitro release of ACTH by the adenohypophysis of male and female newborn rats. Hary L, et al. **Neuroendocrinology** 1984 Aug;39(2):105–13

Indoleamines in the hypothalamus and area of the midbrain raphe nuclei of male and female rats throughout postnatal development. Watts AG, et al. **Neuroendocrinology** 1984 Jun;38(6):461–6

The piglet as a model for perinatal fatty acid metabolism in man. **Nutr Rev** 1984 Jul;42(7):257–8 (6 ref.)

The effect of tin protoporphyrin on the bilirubin production rate in newborn rats. Cowan BE, et al. **Pediatr Pharmacol (New York)** 1983;3(2):95–100

Development of hepatic fatty acid oxidation and ketogenesis in the newborn guinea pig [letter] Chiodi H. **Pediatr Res** 1984 Mar;18(3):299–300

Ontogeny of insulin and glucagon receptors and the adenylate cyclase system in guinea pig liver. Ganguli S, et al. **Pediatr Res** 1984 Jun;18(6):558–65

Brain water and ion content during progressive water loading in the newborn puppy. Nattie EE, et al. **Pediatr Res** 1983 Jul;17(7):606–7

Pulmonary antioxidant enzyme maturation in the fetal and neonatal rat. I. Developmental profiles. Tanswell AK, et al. **Pediatr Res** 1984 Jul;18(7):584–7

Vitamin E inhibition of the effects of hyperoxia on the pulmonary surfactant system of the newborn rabbit. Ward JA, et al. **Pediatr Res** 1984 Apr;18(4):329–34

Fate of tritium derived from prenatally administered tritiated methadone in dams and neonatal rats. Levitt M, et al. **Pharmacol Biochem Behav** 1983 Dec;19(6):1051–3

Action of PGI2 analogs on the pulmonary and systemic circulations in the conscious newborn lamb. Yokochi K, et al. **Prostaglandins** 1984 Apr;27(4):535–42

Chronic maternal ethanol administration in the rat decreases the stimulation by (–) epinephrine of glycogen phosphorylase a in the livers of the progeny during development. Rovinski B, et al. **Subst Alcohol Actions Misuse** 1984;5(2):77–85

The effect of aminothiadiazole on glycogenesis and glycogenolysis in fetal and neonatal rat liver. Beaudoin AR. **Teratology** 1983 Dec;28(3):369–74

Age–dependent alterations in the formation of cyclic nucleotides caused by various agents in guinea–pig tracheal smooth muscle. Nakagawa H. **Tokushima J Exp Med** 1983 Dec;30(3–4):85–91

Tin distribution in adult and neonatal rat brain following exposure to triethyltin. Cook LL, et al. **Toxicol Appl Pharmacol** 1984 Jan;72(1):75–81

Hepatotoxicity of acetaminophen in neonatal and young rats. II. Metabolic aspects. Green MD, et al. **Toxicol Appl Pharmacol** 1984 Jun 15;74(1):125–33

The development of drug–metabolizing enzymes in the neonatal guinea–pig. Mitchell SC. **Xenobiotica** 1983 Aug; 13(8):453–60

[Effect of glucose and insulin on the resistance of the brain of young rats to anoxia] Schreiber M, et al. **Cas Lek Cesk** 1983 Dec 30;122(52):1620–4 (Eng. Abstr.) **(Cze)**

[Influence of alloxan–diabetes in pregnant sows on body composition, glucose tolerance and insulin reaction of newborn piglets] Emmrich P, et al. **Exp Clin Endocrinol** 1983 Aug;82(2):208–15 (Eng. Abstr.) **(Ger)**

[Features of the metabolism of galacto–, glucocerebrosides and sulfatides in the early period of brain development] Chaeva LS, et al. **Nerv Sist** 1982;23:133–6 **(Rus)**

[Metabolism of fatty acids with an odd number of carbon atoms] Alimova EK, et al. **Ukr Biokhim Zh** 1984 May–Jun; 56(3):309–17 (Eng. Abstr.) **(Rus)**

[Effect of insulin and cortisol on oxidation of (1–14C)glucose, (6–14C)glucose, (1–14C)palmitate and (1–14C)leucine in the tissues of swine during the neonatal period] Snitinskiĭ VV, et al. **Ukr Biokhim Zh** 1984 Mar–Apr;56(2):162–6 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Enterotoxigenic Escherichia coli in the jejunum of piglets with neonatal diarrhea. Olsvik O, et al. **Acta Vet Scand** 1984;25(1):21–8

Relationship of iron administration to susceptibility of newborn pigs to enterotoxic colibacillosis. Kadis S, et al. **Am J Vet Res** 1984 Feb;45(2):255–9

Experimental infection of lambs with ovine adenovirus isolate RTS–151: clinical, microbiological, and serologic responses. Lehmkuhl HD, et al. **Am J Vet Res** 1984 Feb; 45(2):260–2

Effect of combined rotavirus and Escherichia coli in neonatal gnotobiotic calves. Torres–Medina A. **Am J Vet Res** 1984 Apr;45(4):643–51

Implantation and development of the gut flora in the newborn animal. Ducluzeau R. **Ann Rech Vet** 1983;14(4):354–9

Rotavirus infections in calves. McNulty MS. **Ann Rech Vet** 1983;14(4):427–32

The pathology of neonatal enteritis in calves with observations on E. coli, rotavirus and Cryptosporidium. Pearson GR, et al. **Ann Rech Vet** 1983;14(4):422–6

Virulence of beta–hemolytic and non–hemolytic Streptococcus mutans: lethal dose determinations in neonatal mice. Woltjes J, et al. **Antonie Van Leeuwenhoek** 1983 Nov;49(4–5):353–60

Dysentery in gnotobiotic calves caused by atypical Escherichia coli. Chanter N, et al. **Vet Rec** 1984 Jan 21; 114(3):71

Case of Dermatophilus congolensis infection in a two–day–old calf. Ezeh AO, et al. **Vet Rec** 1984 Mar 31; 114(13):321

PARASITOLOGY

Experimental transmission of intestinal coccidiosis to piglets: clinical, parasitological and pathological findings. Robinson Y, et al. **Can J Comp Med** 1983 Oct;47(4):401–7

Absence of cryptosporidium oocysts in faeces of neonatal foals. Reinemeyer CR, et al. **Equine Vet J** 1984 May; 16(3):217–8

Cryptosporidiosis in a neonatal gazella. Fenwick BW. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1331–2

PHYSIOLOGY

Projections of the caudate nucleus in cats and kittens. Nieto A, et al. **Acta Anat (Basel)** 1983;117(3):209–16

Effects of neonatal ovariectomy on the ultrastructure of gonadotrophs in female rats. Shiino M, et al. **Acta Anat (Basel)** 1983;117(3):281–8

Crosscorrelation analysis of intracolumnar neuronal connectivity in area 17 of binocularly deprived cats. Michalski A, et al. **Acta Neurobiol Exp (Warsz)** 1984; 44(1):1–15

Symposium: Perinatal pharmacology and toxicology. Abstracts. **Acta Pharmacol Toxicol (Copenh)** 1983;53 Suppl 1:19–30

Neonatal breathing control mediated via the central chemoreceptors. Wennergren G, et al. **Acta Physiol Scand** 1983;119(2):139–46

Effects of type and intensity of assistance on acid–base balance of newborn calves. Szenci O. **Acta Vet Hung** 1983; 31(1–3):73–9

Developmental changes in cardiac contractility in fetal and postnatal sheep: in vitro and in vivo. Anderson PA, et al. **Am J Physiol** 1984 Sep;247(3 Pt 2):H371–9

A maternal defect is responsible for growth failure in vitamin D–deficient rat pups. Brommage R, et al. **Am J Physiol** 1984 Mar;246(3 Pt 1):E216–20

Pulmonary vascular effects of vasoactive intestinal peptide in conscious newborn lambs. Kulik TJ, et al. **Am J Physiol** 1984 May;246(5 Pt 2):H716–9

Measurement of cardiac output in adult and newborn animals by ascorbic acid dilution. Smallwood JK, et al. **Am J Physiol** 1984 May;246(5 Pt 2):H733–8

Effects of prolonged high–frequency oscillatory ventilation in premature primates with experimental hyaline membrane disease. Truog WE, et al. **Am Rev Respir Dis** 1984 Jul; 130(1):76–80

Lymphocyte proliferation in neonatally thymectomized rats. Granata AL, et al. **Anat Rec** 1984 Mar;208(3):427–33

Immunohistochemical localization of luteinizing hormone–releasing hormone (LHRH) in the hypothalamus of adult female hamsters treated neonatally with monosodium glutamate or hypertonic saline. Lamperti AA, et al. **Anat Rec** 1984 May;209(1):131–41

Morphometric analysis of the remodeling of the rat pulmonary epithelium during early postnatal development. Vidić B, et al. **Anat Rec** 1983 Oct;207(2):317–24

Hemodynamic effects of halothane in the newborn piglet. Boudreaux JP, et al. **Anesth Analg** 1984 Aug;63(8):731–7

Effects of hypoxia–ischemia on monoamine metabolism in the immature brain. Silverstein F, et al. **Ann Neurol** 1984 Apr;15(4):342–7

Cow–calf and sow–piglet behaviour in relation to colostrum ingestion. Broom DM. **Ann Rech Vet** 1983;14(4):342–8

Thermoregulation and energy metabolism in the neonatal pig. Le Dividich J, et al. **Ann Rech Vet** 1983;14(4):375–81

Development of digestive functions in the newborn ruminant. Ruckebusch Y, et al. **Ann Rech Vet** 1983;14(4):360–74

Energy metabolism and thermoregulation in the newborn calf. Vermorel M, et al. **Ann Rech Vet** 1983;14(4):382–9

Hypoxia and respiratory control in early life. Haddad GG, et al. **Annu Rev Physiol** 1984;46:629–43 (95 ref.)

Function of the larynx in the fetus and newborn. Harding R. **Annu Rev Physiol** 1984;46:645–59 (76 ref.)

Regulation of breathing in the newborn during different behavioral states. Read DJ, et al. **Annu Rev Physiol** 1984; 46:675–85 (62 ref.)

Peripheral and central chemoreceptors in the fetus and newborn. Walker DW. **Annu Rev Physiol** 1984;46:687–703 (90 ref.)

Peripheral adrenergic subsensitivity in adult rats undernourished at perinatal age. Keller EA, et al. **Arch Int Pharmacodyn Ther** 1984 Mar;268(1):88–94

Odor–aversion learning in neonate rat pups: the role of duration of exposure to an odor. Smith FJ, et al. **Behav Neural Biol** 1983 Mar;37(2):284–301

Dissociation between peripheral and central heat loss mechanisms induced by neonatal capsaicin. Dib B. **Behav Neurosci** 1983 Oct;97(5):822–5

Neonatal motor cortex lesions in the rat: absence of sparing of motor behaviors and impaired spatial learning concurrent with abnormal cerebral morphogenesis. Kolb B, et al. **Behav Neurosci** 1983 Oct;97(5):697–709

Effect of liquid ventilation on preterm lamb tracheal mechanics. Bhutani VK, et al. **Biol Neonate** 1983; 44(5):257–63

Effects of acute hemorrhage on some physiological parameters of the cardiovascular system in newborn pigs. LeGal YM. **Biol Neonate** 1983;44(4):210–8

The long–term effects of removal of sensorimotor cortex in infant and adult rhesus monkeys. Passingham RE, et al. **Brain** 1983 Sep;106 (Pt 3):675–705

An anatomical study of the effects of unilateral removal of sensorimotor cortex in infant monkeys on the subcortical projections of the contralateral sensorimotor cortex. Sloper JJ, et al. **Brain** 1983 Sep;106 (Pt 3):707–16

Infant lesion effect: III. Anatomical correlates of sparing and recovery of function after spinal cord damage in newborn and adult cats. Bregman BS, et al. **Brain Res** 1983 Aug; 285(2):137–54

Infant lesion effect: II. Sparing and recovery of function after spinal cord damage in newborn and adult cats. Bregman BS, et al. **Brain Res** 1983 Aug;285(2):119–35

Infant lesion effect: I. Development of motor behavior following neonatal spinal cord damage in cats. Bregman BS, et al. **Brain Res** 1983 Aug;285(2):103–17

Postnatal rat neurons form apparent presynaptic elements on polylysine–coated beads in vivo. Burry RW. **Brain Res** 1983 Nov 14;278(1–2):236–9

Embryonic cerebral cortex placed in the occipital region of newborn rats makes connections with the host brain. Chang FL, et al. **Brain Res** 1984 Mar;315(1):164–6

Binocular properties of lateral suprasylvian cortex are not affected by neonatal corpus callosum section. Elberger AJ, et al. **Brain Res** 1983 Nov 14;278(1–2):295–8

Permanent peripheral hearing system alteration following transient neonatal hyperthyroidism in rats. Hébert R, et al. **Brain Res** 1984 Jun;316(2):159–64

Effects of neonatal treatment with clomipramine on adult ethanol related behavior in the rat. Hilakivi LA, et al. **Brain Res** 1984 Jul;317(1):129–32

The effect of development of thermoregulatory function on the biochemical assessment of the ontogeny of neonatal dopaminergic neuronal activity. Horwitz J, et al. **Brain Res** 1982 Mar 11;235(2):245–52

Development of olfactory bulb organization in precocial and altricial rodents. Leon M, et al. **Brain Res** 1984 Jan; 314(1):45–53

Neonatal enucleation alters functional organization in hamster's lateral posterior nucleus. Mooney RD, et al. **Brain Res** 1983 Sep;285(3):399–404

Olfactory and vomeronasal system mediation of maternal recognition in the developing rat. Teicher MH, et al. **Brain Res** 1984 Jan;314(1):97–110

Sex–related difference in substance P level in rat anterior pituitary: a model of neonatal imprinting by testosterone. Yoshikawa K, et al. **Brain Res** 1983 Aug 29;273(2):362–5

Neonatal aspartate treatment: effects on arcuate nucleus morphology, organ weights, and reproductive function. Pasley JN, et al. **Bull Environ Contam Toxicol** 1984 Apr; 32(4):410–6

Load sensitivity of relaxation in the foetal and newborn rabbit heart. Hoerter JA, et al. **Cardiovasc Res** 1984 Sep; 18(9):523–7

Efficacy of cefotaxime and latamoxef for Escherichia coli bacteremia and meningitis in newborn rats. Kim KS, et al. **Chemotherapy** 1984;30(4):262–9

Prenatal and early postnatal exposure to ethanol permanently alters the rat hippocampus. West JR, et al. **Ciba Found Symp** 1984;105:8–25

Patterns of peripheral vasomotor function in near–natural conditions in the calf (Bos taurus). Berman A, et al. **Comp Biochem Physiol [A]** 1984;77(1):143–9

Re–establishment of the stress response in Gallus domesticus after hatching. Freeman BM, et al.

Comp Biochem Physiol [A] 1984;78(2):267–70
The effects of rearing-temperature on body composition in young pigs. Heath ME. **Comp Biochem Physiol** [A] 1983; 76(2):363–6
The effects of a lowered ambient temperature on oxygen consumption and lung ventilation in the perinatal quail (Coturnix c. japonica). Nair G, et al. **Comp Biochem Physiol** [A] 1983;76(2):271–7
Gangliosides accelerate rat neonatal learning and levels of cortical acetylcholinesterases. Karpiak SE, et al. **Dev Neurosci** 1983–84;6(2):127–35
Effect of aminophylline on brain blood flow in the newborn piglet. Stonestreet BS, et al. **Dev Pharmacol Ther** 1983; 6(4):248–58
The development of spontaneous body movement in prenatal and perinatal mice. Kodama N, et al. **Dev Psychobiol** 1984 Mar;17(2):139–50
The renal response to acute asphyxia in spontaneously breathing newborn lambs. Stonestreet BS, et al. **Early Hum Dev** 1984 Jun;9(4):347–61
Increased responsiveness of the hypothalamic–pituitary axis after neurotoxin-induced hypothalamic denervation. Spinedi E, et al. **Endocrinology** 1984 Jul;115(1):267–72
Effects of anticonvulsants on hyperthermia-induced seizures in the rat pup. Olson JE, et al. **Epilepsia** 1984 Feb;25(1):96–9
Two independently regulated secretory systems within the acini of the submandibular gland of the perinatal rat. Ball WD, et al. **Eur J Cell Biol** 1984 Jan;33(1):112–22
Different effects of neonatal vinblastine on peripheral and central noradrenaline neurons. Zieher LM, et al. **Eur J Pharmacol** 1983 Sep 16;93(1–2):101–6
Long-term effects of early postnatal nutrition on subsequently body weight gain, emotionally and learning behaviour in male rats. Hinz G, et al. **Exp Clin Endocrinol** 1983 Jul;82(1):73–7
In vitro studies of erythropoietic progenitors (CFU–E) in marrow from neonatal and young mice. Hall EA, et al. **Exp Hematol** 1984 Aug;12(7):549–57
Differences between adult and neonatal rats in their astroglial response to spinal injury. Barrett CP, et al. **Exp Neurol** 1984 May;84(2):374–85
Absence of hind limb tactile placing in spinal cats and kittens. Bradley NS, et al. **Exp Neurol** 1983 Oct;82(1):73–88
Effects of pontine lesions on brain stem polyneuronal activity during sleep in infant rats. Corner M, et al. **Exp Neurol** 1984 Jun;84(3):489–93
Conduction velocities of nerve fibers proximal to muscle nerve transection in kittens and adult cats. Cullheim S, et al. **Exp Neurol** 1984 May;84(2):484–7
Brain hypomyelination during postnatal undernourishment: a comparison of proteolipid protein synthesis versus assembly into membrane. Fuller GN, et al. **Exp Neurol** 1984 May;84(2):306–13
Early adrenalectomy stimulates subsequent growth and development of the rat brain. Meyer JS. **Exp Neurol** 1983 Nov;82(2):432–46
Ontogeny of cortical and subcortical electroencephalographic events in unrestrained neonatal and infant rats. Snead OC 3d, et al. **Exp Neurol** 1983 Nov; 82(2):249–69
Long term effects of neonatal hypothyroidism on pituitary estradiol binding sites in the female rat. Barbanel G, et al. **Experientia** 1983 Nov 15;39(11):1315–6
Prenatal stress and postnatal androgen: effects on reproduction in female rats. Herrenkohl LR, et al. **Experientia** 1984 Jan 15;40(1):101–3
Colonic compensation in transmissible gastroenteritis of swine. Argenzio RA, et al. **Gastroenterology** 1984 Jun; 86(6):1501–9
Development of innervation in cat gastrointestinal sphincters during the postnatal period. (Functional studies). Mizhorkova Z, et al. **Gen Pharmacol** 1984;15(1):25–30
Maturational and degenerative processes in the organ of Corti after neonatal hypothyroidism. Uziel A, et al. **Hear Res** 1983 Aug;11(2):203–18
Effects of neonatal estrogen treatment of female guinea pigs on mounting behavior in adulthood. Feder HH, et al. **Horm Behav** 1983 Sep;17(3):284–91
Influence of androgen on the development of sexual behavior in the rat. II. Time and dosage of androgen administration during the neonatal period and masculine and feminine copulatory behavior in females. Thomas DA, et al. **Horm Behav** 1983 Sep;17(3):308–15
The hormonal regulation of premeiotic steps of spermatogenesis in the newborn rat. Almirón I, et al. **J Androl** 1984 Jul–Aug;5(4):235–42
Effect of a high fat supplement in late gestation and lactation on piglet survival and performance. Cieslak DG, et al. **J Anim Sci** 1983 Oct;57(4):954–9
Breathing pattern of kittens during hypoxia. Blanco CE, et al. **J Appl Physiol** 1984 Jan;56(1):12–7
Effects of hypoxia on ventilation during postnatal development in conscious kittens. Bonora M, et al. **J Appl Physiol** 1984 Jun;56(6):1464–71
Diphasic ventilatory response to hypoxia in newborn lambs. Bureau MA, et al. **J Appl Physiol** 1984 Jan;56(1):84–90
Natural and artificial lung surfactant replacement therapy in premature lambs. Egan EA, et al. **J Appl Physiol** 1983 Sep;55(3):875–83
Pulmonary vascular effects of bombesin and gastrin-releasing peptide in conscious newborn lambs. Kulik TJ, et al. **J Appl Physiol** 1983 Oct;55(4):1093–7
Pulmonary mechanics during the ventilatory response to hypoxemia in the newborn monkey. LaFramboise WA, et al. **J Appl Physiol** 1983 Sep;55(3):1008–14
Central neural respiratory response to carotid sinus nerve stimulation in newborns. Lawson EE, et al. **J Appl Physiol** 1984 Jun;56(6):1614–20
Central origin of biphasic breathing pattern during hypoxia in newborns. Lawson EE, et al. **J Appl Physiol** 1983 Aug; 55(2):483–8
Interaction of excitatory and inhibitory respiratory afterdischarge mechanisms in piglets. Lawson EE, et al. **J Appl Physiol** 1983 Oct;55(4):1299–304
Postnatal maturation of ventilation and breathing pattern in kittens: influence of sleep. Marlot D, et al. **J Appl Physiol** 1984 Feb;56(2):321–5
Pressure–volume curve of lung and lobes in kittens. Mortola JP, et al. **J Appl Physiol** 1984 Apr;56(4):948–53
Breathing pattern in newborns. Mortola JP. **J Appl Physiol** 1984 Jun;56(6):1533–40
Respiratory effects of progressive asphyxia in rabbit pups and adult rabbits. Trippenbach T, et al. **J Appl Physiol** 1984 Apr;56(4):940–7
GABAB receptor mediated inhibition of field stimulation induced contractions of detrusor muscle strips from newborn rats. Maggi CA, et al. **J Auton Pharmacol** 1984 Mar;4(1):45–51
Control of enzyme activity levels by serum and hydrocortisone in neonatal rat heart cells cultured in serum-free medium. Freerksen DL, et al. **J Cell Physiol** 1984 Aug;120(2):126–34
Surfactant and pulmonary blood flow distributions following treatment of premature lambs with natural surfactant. Jobe A, et al. **J Clin Invest** 1984 Mar;73(3):848–56
Plasticity of the corticospinal tract following midthoracic spinal injury in the postnatal rat. Bernstein DR, et al. **J Comp Neurol** 1983 Dec 20;221(4):382–400
Effects of neonatal whisker lesions on mouse central trigeminal pathways. Durham D, et al. **J Comp Neurol** 1984 Mar 1;223(3):424–47
Neuroanatomical effects of neonatal transection of the corpus callosum in hamsters. Lent R. **J Comp Neurol** 1984 Mar 10;223(4):548–55
Influences of dam on calving difficulty and early calf mortality. Thompson JR, et al. **J Dairy Sci** 1984 Apr; 67(4):847–53
Regulation of breathing rhythm in the newborn. The role of brainstem immaturity and inhibition. Henderson-Smart DJ. **J Dev Physiol** 1984 Feb;6(1):83–92 (53 ref.)
Control of the pulmonary circulation in the perinatal period. Heymann MA. **J Dev Physiol** 1984 Jun;6(3):281–90
Preparation of the respiratory system for the early neonatal period. Maloney JE. **J Dev Physiol** 1984 Feb;6(1):21–30 (36 ref.)
The developmental effects of prostaglandin D2 on the pulmonary and systemic circulations in the newborn lamb. Soifer SJ, et al. **J Dev Physiol** 1983 Aug;5(4):237–50
Synaptic plasticity within the interpeduncular nucleus after unilateral lesions of the habenula in neonatal rats. Hamill GS, et al. **J Neurosci** 1983 Nov;3(11):2128–45
Intraventricular hemorrhage in the premature rabbit pup. Limitations of this animal model. Coulter DM, et al. **J Neurosurg** 1984 Jun;60(6):1243–5
Cardiac effects of esophageal stimulation: possible relationship between gastroesophageal reflux (GER) and sudden infant death syndrome (SIDS). Kenigsberg K, et al. **J Pediatr Surg** 1983 Oct;18(5):542–5
The response to hypoxia of arterial chemoreceptors in fetal sheep and new-born lambs. Blanco CE, et al. **J Physiol (Lond)** 1984 Jun;351:25–37
Influences of neonatal gonadectomy or androgen exposure on the sexual differentiation of the rat ventromedial hypothalamus. Sakuma Y. **J Physiol (Lond)** 1984 Apr; 349:273–86
Effects of neonatal medroxyprogesterone acetate on postnatal sexual differentiation of female rats. Birke LI, et al. **J Reprod Fertil** 1984 May;71(1):309–14
Influence of neonatal treatment with 6-hydroxydopa on clonidine-induced locomotor stimulation in the infant rat. Nomura Y. **Jpn J Pharmacol** 1983 Oct;33(5):1092–5
Plasma and erythrocyte volumes of newborn rabbits delivered after 30 days of gestation. Harris WH, et al. **Lab Anim** 1983 Oct;17(4):294–7
Formation of binucleated myocardial cells in the neonatal rat. An index for growth hypertrophy. Clubb FJ Jr, et al. **Lab Invest** 1984 May;50(5):571–7
Higher sensitivity of cerebral arteries isolated from premature and newborn baboons to adrenergic and cholinergic stimulation. Hayashi S, et al. **Life Sci** 1984 Jul 16; 35(3):253–60
Lethal respiratory disturbance in neonatal rats after arterial chemoreceptor denervation. Hofer MA. **Life Sci** 1984 Jan 30;34(5):489–96
Effect of substance P on neonatally axotomized noradrenaline neurons in rat brain. Jonsson G, et al. **Med Biol** 1983 Jun; 61(3):179–85
Visual evoked response testing method for neonatal rats. Albee RR, et al. **Neurobehav Toxicol Teratol** 1983 Sep–Oct; 5(5):497–501
Neonatal chlordecone exposure impairs early learning and retention of active avoidance in the rat. Mactutus CF, et al. **Neurobehav Toxicol Teratol** 1984 Jan–Feb;6(1):75–83
Evaluation of neonatal chlordecone neurotoxicity during early development: initial characterization. Mactutus CF, et al. **Neurobehav Toxicol Teratol** 1984 Jan–Feb;6(1):67–73
Impairments in analgesic, hypothermic, and glucoprivic stress responses following neonatal monosodium glutamate. Badillo-Martinez D, et al. **Neuroendocrinology** 1984 Jun; 38(6):438–46
Administration of monosodium glutamate to neonatal male rats: alterations in the gonadotrophs and in gonadotrophin secretion. Dada MO, et al. **Neuroendocrinology** 1984 Jun; 38(6):490–7
Postnatal development of functional influences of cortical association areas on the visual cortex in rabbits. Savchenko EI, et al. **Neurosci Behav Physiol** 1983 Jul–Aug;13(4):241–2
Gustatory nerve response to sugars in neonatal puppies. Ferrell F. **Neurosci Biobehav Rev** 1984 Summer;8(2):185–90
Impaired growth of the cerebral cortex of rats treated neonatally with 6-hydroxydopamine under different environmental conditions. Brenner E, et al. **Neurosci Lett** 1983 Nov 21;42(1):13–7
Arousal episodes during sleep in the neonatal rat. Corner M, et al. **Neurosci Lett** 1983 Nov 21;42(1):45–8
Multiple sets of visual cortical neurons projecting transitorily through the corpus callosum. Innocenti GM, et al. **Neurosci Lett** 1983 Oct 31;41(1–2):27–32
The retinal location and fate of ganglion cells which project to the ipsilateral superior colliculus in neonatal albino and hooded rats. Martin PR, et al. **Neurosci Lett** 1983 Nov 11;41(3):219–26
Effects of morphine on superior cervical ganglion and iris of the immature rat. Mattio TG, et al. **Neurosci Lett** 1983 Sep 9;39(3):307–11
Different effects of amino acids, acetylcholine and monoamines on neuronal activity of suprachiasmatic nucleus in rat pups and adults. Shibata S, et al. **Neurosci Lett** 1983 Aug 29;39(2):187–92
Receptive field characteristics of neurones in striate cortex of newborn lambs and adult sheep. Kennedy H, et al. **Neuroscience** 1983 Oct;10(2):295–300
Pre- and postnatal development of granulocytic stem cells in the rat. Christensen RD, et al. **Pediatr Res** 1984 Jul; 18(7):599–602
Increased regional myocardial blood flows and oxygen deliveries during hypoxemia in lambs. Fisher DJ. **Pediatr Res** 1984 Jul;18(7):602–6
A comparison of the sensitivities of neonatal ovine pulmonary and femoral arteries to l-norepinephrine stimulation. Green RS, et al. **Pediatr Res** 1984 Mar;18(3):244–7
The effect of amniotic fluid aspiration on pulmonary function in the adult and newborn rabbit. Jose JH, et al. **Pediatr Res** 1983 Dec;17(12):976–81
Gastrointestinal blood flow and oxygen consumption in the newborn lamb: effect of chronic anemia and acute hypoxia. Nowicki PT, et al. **Pediatr Res** 1984 May;18(5):420–5
Development of the gastrointestinal mucosal barrier V. Comparative effect of calcium binding on microvillus membrane structure in newborn and adult rats. Pang KY, et al. **Pediatr Res** 1983 Nov;17(11):856–61
Vagal control of the breathing pattern and respiratory mechanics in the adult and newborn rabbit. Mortola JP, et al. **Pflugers Arch** 1984 Jul;401(3):281–6
Intrasaccular bubbles of near-zero surface tension stabilize neonatal lungs. Scarpelli EM, et al. **Pflugers Arch** 1984 Jul; 401(3):287–92
Effects of ovariectomy, estrogen treatment and CI-628 on food intake and body weight in female rats treated neonatally with gonadal hormones. Donohoe TP, et al. **Physiol Behav** 1983 Sep;31(3):325–9
Lasting behavioral effects after treating rats with CGS 8216 on postnatal days 9 to 21. File SE, et al. **Physiol Behav** 1984 Mar;32(3):351–5
Postnatal ACTH and corticosterone: effects on reproduction in mice. Politch JA, et al. **Physiol Behav** 1984 Mar; 32(3):447–52
Mating behaviour of male rats following pre- and early postnatal undernutrition: a comparison of two outbred stocks. Tonkiss J, et al. **Physiol Behav** 1984 Mar; 32(3):397–401
Action potentials of the rabbit, guinea pig, dog and albino rat working ventricular myocardium under interpolated extrasystole conditions during postnatal ontogenesis. Pučelík P, et al. **Physiol Bohemoslov** 1984;33(1):49–57
The ontogeny of neurochemical systems for control of feeding and drinking. Epstein AN. **Proc Soc Exp Biol Med** 1984 Feb;175(2):127–34 (33 ref.)
Early stages in the organization of cardiovascular control. Hofer MA. **Proc Soc Exp Biol Med** 1984 Feb;175(2):147–57
The electrocardiogram of fetal and newborn rats and dysrhythmias induced by toxic exposure. Grabowski CT. **Prog Clin Biol Res** 1983;140:185–206 (22 ref.)
Detection of renal dysfunction in neonatal rats: methodologies and applications. Kavlock RJ, et al. **Prog Clin Biol Res** 1983;140:339–56
The cardiac-sympathetic axis as a teratological model. Slotkin TA. **Prog Clin Biol Res** 1983;140:237–55 (26 ref.)
Cardiotoxicity of perinatal lead exposure. Williams BJ, et al. **Prog Clin Biol Res** 1983;140:223–35
Observation on sucking behaviour of Finnsheep lambs with particular reference to the effect of litter size. Atroshi F, et al. **Zentralbl Veterinarmed** [A] 1984 May;31(4):280–6
[Conditioned inhibitory response in the newborn rat: development, role of transmitters] Mysliveček J, et al. **J Physiol (Paris)** 1982–83;78(9):865–6 (Fre)

[Postnatal adaptation of gluconeogenic and liponeogenic areas in the liver parenchyma] Sasse D. **Gegenbaurs Morphol Jahrb** 1983;129(4):409–11 (Eng. Abstr.) **(Ger)**

[Conduction time in the oculomotor nerve during postnatal development of the rabbit] Schönfelder J. **Gegenbaurs Morphol Jahrb** 1983;129(4):431–6 (Eng. Abstr.) **(Ger)**

[Postnatal development of static vestibulo-ocular reactions in the rabbit—electromyographic studies] Tegetmeyer H. **Gegenbaurs Morphol Jahrb** 1983;129(4):413–7 (Eng. Abstr.) **(Ger)**

[Effects of morphine on the successive generation] Suzuki T, et al. **Yakubutsu Seishin Kodo** 1981 Oct;1(1):49–58 (Eng. Abstr.) **(Jpn)**

[Mitotic activity of the myocardium in early ontogenesis of rabbits after minor mechanical injury to the heart] Malyshev II. **Biull Eksp Biol Med** 1984 Jun;97(6):734–6 (Eng. Abstr.) **(Rus)**

[Transmission of excitation through the superior cervical ganglion at an early stage of postnatal development] Ivanov AIa, et al. **Neirofiziologiia** 1983;15(5):540–6 (Eng. Abstr.) **(Rus)**

[Sodium and chlorine reabsorption system in the kidney of fetal and neonatal rats] Reznik LV, et al. **Zh Evol Biokhim Fiziol** 1983 Jul–Aug;19(4):428–31 (Eng. Abstr.) **(Rus)**

[Functional evolution and a hypothesis of functional blocks] Ugolev AM. **Zh Evol Biokhim Fiziol** 1983 Jul–Aug; 19(4):390–9 (63 ref.) **(Rus)**

[Neurologic status of the human fetus during labor and analysis from an evolutionary standpoint] Babkina IP. **Zh Nevropatol Psikhiatr** 1983;83(12):1800–4 (Eng. Abstr.) **(Rus)**

[Ascending effects of the posterior portion of the hypothalamus on electrical activity of the cerebral cortex in the rabbit during postnatal ontogeny] Klimenko EM. **Zh Vyssh Nerv Deiat** 1984 Jan–Feb;34(1):107–14 (Eng. Abstr.) **(Rus)**

[Interneuronal interrelations in the somatosensory cortex in rat pups during the 1st month of postnatal life] Maksimova LN. **Zh Vyssh Nerv Deiat** 1983 Jul–Aug;33(4):770–2 **(Rus)**

[Behavioral reactions of cats to simple models of the acoustic signals of kittens] Movchan VN. **Zh Vyssh Nerv Deiat** 1983 Jul–Aug;33(4):752–4 **(Rus)**

SURGERY

Heart puncture—a simple and safe procedure for infusing fluids into and sampling from the cardiovascular system of infant animals. Zahavi I, et al. **J Surg Res** 1983 Dec; 35(6):531–2

Disbudding of goats [letter] Mews A. **Vet Rec** 1984 Jan 21; 114(3):75

URINE

Excretion of vasopressin in the hypoxic lamb: comparison between fetus and newborn. Daniel SS, et al. **Pediatr Res** 1984 Mar;18(3):227–31

ANIMALS, POISONOUS

Poisonous marine plants and animals. Summary of therapeutic guidelines. Sims JK. **Hawaii Med J** 1984 May;43(5):166, 168

Producers of antivenom sera. Chippaux JP, et al. **Toxicon** 1983;21(6):739–52

ANIMALS, SUCKLING see under **ANIMALS**

ANIMALS, WILD see under **ANIMALS**

ANIMALS, ZOO

Giant verrucous carcinoma in a giraffe. Burgdorf WH, et al. **Am J Dermatopathol** 1984 Feb;6(1):81–5

Pyometra in an African lioness. Baker R, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1314

Bovine viral diarrhea virus infection in captive exotic ruminants. Doyle LG, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1257–9

Corticosteroid-induced death in an opossum. Gandolfi R, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1277–9

Cutaneous gout in an Amazon dolphin. Garman RH, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1292–4

Pyometra in a Pallas's cat. Gillespie D, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1322–3

Ventricular septal defect and bacterial endocarditis in a whistling swan. Harari J, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1296–7

Myelopathy and vitamin E deficiency in six Mongolian wild horses. Liu SK, et al. **J Am Vet Med Assoc** 1983 Dec 1; 183(11):1266–8

Hepatic and gastric amebiasis in black and white colobus monkeys. Loomis MR, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1188–91

Hypothyroidism in a chimpanzee. Miller RE, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1326–8

Toxicity and efficacy of ivermectin in chelonians. Teare JA, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1195–7

Haemoproteus and Leucocytozoon infections in birds of the Oklahoma City Zoo. Halpern N, et al. **J Wildl Dis** 1983 Oct;19(4):330–2

Radiographic studies of exotic species. Aitken V. **Radiography** 1983 Aug;49(584):179–86

Aetiological agents of necrobacillosis in captive wallabies. Oliphant JC, et al. **Res Vet Sci** 1984 May;36(3):382–4

Neurofibromas in a macaw (Ara chloroptera): morphologic and immunocytochemical diagnosis. Bossart GD. **Vet Pathol** 1983 Nov;20(6):773–6

Nocardia asteroides infection in a purple throated sunbird (Nectarinia sperapa). Parnell MJ, et al. **Vet Pathol** 1983 Jul;20(4):497–500

Outbreak of foot-and-mouth disease in deer in the Assam state zoo. Sarma G, et al. **Vet Rec** 1983 Oct 29; 113(18):420–1

Retained cartilage in the ulnar metaphysis with deformation of the forelegs in two litters of captive wolves. Ossent P, et al. **Zentralbl Veterinarmed [A]** 1984 May;31(4):241–50

[Zoo specific crimes] Krumbiegel I. **Arch Kriminol** 1983 Jul–Aug;172(1–2):7–15 **(Ger)**

[Pathology of yersinioses in zoo animals] Schoon HA, et al. **DTW** 1983 Sep 8;90(9):367–70 (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

Sexing penguins by cloacal examination. Samour HJ, et al. **Vet Rec** 1983 Jul 23;113(4):84–5

IMMUNOLOGY

Prevalence of antibody to bovine herpesvirus 1 in wild ruminants captive in United States zoos. Doyle LG, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1255–6

METABOLISM

Pathophysiology of excessive iron storage in mynah birds. Gosselin SJ, et al. **J Am Vet Med Assoc** 1983 Dec 1; 183(11):1238–40

MICROBIOLOGY

Antibiotic-associated colitis due to Clostridium difficile in a Kodiak bear. Orchard JL, et al. **Am J Vet Res** 1983 Aug; 44(8):1547–8

Detection and control of rotavirus infections in zoo animals. Baumeister BM, et al. **J Am Vet Med Assoc** 1983 Dec 1; 183(11):1252–4

Proliferative pleuritis associated with Bacteroides melaninogenicus subsp asaccharolyticus infection in a river otter. Griffith JW, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1287–8

Feline infectious peritonitis in a captive cheetah. Pfeifer ML, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1317–9

Aspergillosis in a red-crowned crane. Stroud RK, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1297–8

Systemic Mycobacterium malmum infection in a European hedgehog. Tappe JP, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1280–1

Septic abortion caused by Salmonella heidelberg in a white-handed gibbon. Thurman JD, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1325–6

Survey of conjunctival flora in the eye of clinically normal, captive exotic birds. Wolf ED, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1232–3

Further isolation of mycoplasmas from zoo-animals. Koshimizu K, et al. **Nippon Juigaku Zasshi** 1984 Feb; 46(1):129–32

Isolation of anthrax bacillus from an elephant in Bangladesh. Mustafa AH. **Vet Rec** 1984 Jun 16;114(24):590

PARASITOLOGY

Cryptosporidiosis in a neonatal gazella. Fenwick BW. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1331–2

Dermatitis caused by Filaria taxideae in a lesser panda. Gardiner CH, et al. **J Am Vet Med Assoc** 1983 Dec 1; 183(11):1285–7

Leucocytozoon simondi infection in European and American eiders. Miller RE, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1241–4

Giardia infection in animals in Poznań Zoo. Peisert W, et al. **Vet Parasitol** 1983 Sep;13(2):183–6

[Mallophaga from birds and mammals in zoological gardens] Zlotorzycka J. **Angew Parasitol** 1983 Aug;24(3):166–78 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Temporal patterns of parturition in mammals in captivity. Rowland DL, et al. **Chronobiologia** 1984 Jan–Mar; 11(1):31–9

Immobilization of mule deer with ketamine and xylazine, and reversal of immobilization with yohimbine. Jessup DA, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1339–40

SURGERY

Prosthetic beak for a salmon-crested cockatoo. Sleamaker TF. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1300–1

ANION EXCHANGE RESINS see under **ION EXCHANGE RESINS**

ANION GAP see **ACID-BASE EQUILIBRIUM**

ANIONS

Surface charges associated with fenestrated brain capillaries. I. In vitro labeling of anionic sites. Thürauf N, et al. **J Ultrastruct Res** 1983 Aug;84(2):103–10

ADMINISTRATION & DOSAGE

Effects of negatively charged aerosol on blood and cerebrospinal fluid parameters in rats. Wehner AP, et al. **Int J Biometeorol** 1983 Nov;27(3):259–69

ANALYSIS

Direct ultrastructural demonstration of negative charges in the glomerular basement membrane with phosphotungstic acid at low pH. Quatacker J. **Acta Histochem [Suppl] (Jena)** 1984;29:137–9

A study of glomerular basement membrane anionic sites and glomerular visceral epithelial cell coat in protein overload proteinuria in the rat. Rollason TP, et al. **J Pathol** 1984 Apr;142(4):301–16

Survey of the methodology for evaluating negative air ions: relevance to biological studies. Pethig R. **Methods Enzymol** 1984;105:238–48

Distribution of anionic sites on the basal lamina of Schwann cells. Yokota R, et al. **Neurosci Lett** 1983 Oct 31; 41(1–2):49–54

BLOOD

Effect of age on anion gap in clinically normal Quarter Horses. Gossett KA, et al. **Am J Vet Res** 1983 Sep; 44(9):1744–5

METABOLISM

Cerebral endothelial surface charge in hypertension. Nag S. **Acta Neuropathol (Berl)** 1984;63(4):276–81

The liver-like anion transport system in the rabbit uvea does not eliminate iodipamide from the eye. Bárány E. **Acta Physiol Scand** 1983;119(2):177–80

Cytochemical analysis of alkaline phosphatase and esterase activities and of lectin-binding and anionic sites in rat and mouse Peyer's patch M cells. Owen RL, et al. **Am J Anat** 1983 Oct;168(2):199–212

Effect of taurocholate pretreatment on the biliary excretion of exogenous organic anions in rats. Fischer E, et al. **Arch Int Pharmacodyn Ther** 1984 Feb;267(2):187–99

The oxidation of glutamine and glutamate in relation to anion transport in enterocyte mitochondria. Evered DF, et al. **Biochem J** 1984 Mar 1;218(2):449–58

Anion secretion by the isolated rabbit pancreas. Kuijpers GA, et al. **Biochim Biophys Acta** 1984 Jul 25;774(2):269–76

The anionic barrier of blood vessel walls and the possible pathologic changes due to the deionization of the barrier and plasma proteins. Seno S, et al. **Biorheology** 1983; 20(5):653–62

The seasonal distribution of anionic binding sites in the basement membrane of the kidney glomerulus of the winter flounder Pseudopleuronectes americanus. Boyd RB, et al. **Cell Tissue Res** 1983;234(2):271–7

Anion transport heterogeneity detected by flow cytometric measurement of NBD-taurine efflux kinetics. Muirhead KA, et al. **Cytometry** 1984 May;5(3):268–74

Cytochemical evaluation of anionic sites on the surface of cultured pigment epithelium cells from normal and dystrophic RCS rats. Cohen D, et al. **Exp Eye Res** 1983 Dec;37(6):575–82

Anion transport activity in the human erythrocyte membrane modulated by proteolytic digestion of the 38,000-dalton fragment in Band 3. Matsuyama H, et al. **J Biol Chem** 1983 Dec 25;258(24):15376–81

Anion requirement and effect of anion transport inhibitors on the response of vero cells to diphtheria toxin and modeccin. Sandvig K, et al. **J Cell Physiol** 1984 Apr; 119(1):7–14

Association of an integral membrane protein with glucose transport and with anion transport. Banyard MR, et al. **J Cell Sci** 1984 Apr;67:45–62

Effects of the transport site conformation on the binding of external NAP-taurine to the human erythrocyte anion exchange system. Evidence for intrinsic asymmetry. Knauf PA, et al. **J Gen Physiol** 1984 May;83(5):683–701

Stainable glomerular basement membrane polyanions and renal hemodynamics during hexadimethrine-induced proteinuria. Bertolatus JA, et al. **J Lab Clin Med** 1984 Apr; 103(4):632–42

The anionic basis of fluid secretion by the rabbit mandibular salivary gland. Case RM, et al. **J Physiol (Lond)** 1984 Apr; 349:619–30

High conductance anion-selective channels in rat cultured Schwann cells. Gray PT, et al. **Proc R Soc Lond [Biol]** 1984 Jun 22;221(1225):395–409

PHARMACODYNAMICS

Synergism of lysozyme, proteases and inorganic monovalent anions in the bacteriolysis of oral Streptococcus mutans GS5. Pollock JJ, et al. **Arch Oral Biol** 1983;28(9):865–71

The effects of anions on phosphoglycerate mutase. Rose ZB, et al. **Biochem Biophys Res Commun** 1984 Jun 29; 121(3):834–41

Solubilization and anionic regulation of cerebral sedative/convulsant receptors labeled with [35S]

tert-butylbicyclophosphorothionate (TBPS). Trifiletti RR, et al. **Biochem Biophys Res Commun** 1984 Apr 30; 120(2):692-9

Effect of the lyotropic series of anions on denaturation and renaturation of 20 beta-hydroxysteroid dehydrogenase. Carrea G, et al. **Biochim Biophys Acta** 1984 Jan 18; 784(1):16-23

Anion-induced increases in the affinity of colcemid binding to tubulin. Ray K, et al. **Eur J Biochem** 1984 Aug 1; 142(3):577-81

Mammalian skeletal muscle: long-lasting contractures and potentiated tetani produced by conditioning with weak acid anions. Lorković H, et al. **Experientia** 1983 Oct 15; 39(10):1072-6

Effect of monovalent anions on the mechanism of phenol hydroxylase. Detmer K, et al. **J Biol Chem** 1984 Sep 25; 259(18):11265-72

Effects of organic anions on the uptake of 1-anilino-8-naphthalenesulfonate by isolated liver cells. Sugiyama Y, et al. **J Pharm Sci** 1983 Aug;72(8):871-6

[Modification of the affinity of actomyosin calcium sites by anions] Brulé G, et al. **Arch Int Physiol Biochim** 1983 Sep; 91(3):165-77 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Interaction of internal anions with potassium channels of the squid giant axon. Adams DJ, et al. **J Gen Physiol** 1983 Oct;82(4):429-48

ANISEIKONIA

DIAGNOSIS

Horopter shifts due to a magnification change. Reading RW. **Am J Optom Physiol Opt** 1984 May;61(5):310-7

Electrophysiological detection of aniseikonia. Lovasik JV, et al. **J Am Optom Assoc** 1984 Jul;55(7):499-504

[Measurement of subjective aniseikonia—comparative study of the results of the haploscope, spacial eikonometer and polatest] Risse JF, et al. **Bull Soc Ophtalmol Fr** 1983 May; 83(5):711-4 (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

[Spatial modulation transfer function of anisometropic amblyopia] Sawada K. **Nippon Ganka Gakkai Zasshi** 1983; 87(10):827-31 (Eng. Abstr.) **(Jpn)**

PREVENTION & CONTROL

Iseikonia and accommodation in the fellow eye in monocular IOL implantation. Wang GJ, et al. **J Am Intraocul Implant Soc** 1983 Fall;9(4):441-4

SURGERY

The ultrastructure of well-healed lenticules in keratomileusis. Yamaguchi T, et al. **Ophthalmology** 1983 Dec; 90(12):1495-506

ANISOLES

ADMINISTRATION & DOSAGE

Effects of dietary supplementation with butylated hydroxyanisole, cysteine, and vitamins B on tansy ragwort (Senecio jacobaea) toxicosis in ponies. Garrett BJ, et al. **Am J Vet Res** 1984 Mar;45(3):459-64

Chemoprotective effects of two dithiolthiones and of butylhydroxyanisole against carbon tetrachloride and acetaminophen toxicity. Ansher SS, et al. **Hepatology** 1983 Nov-Dec;3(6):932-5

Evaluation of amino acids, B vitamins and butylated hydroxyanisole as protective agents against pyrrolizidine alkaloid toxicity in rats. Garrett BJ, et al. **J Anim Sci** 1984 Jan;58(1):138-44

The effects of ascorbic acid and butylated hydroxyanisole in the chemoprevention of 1,2-dimethylhydrazine-induced large bowel neoplasms. Jones FE, et al. **J Surg Oncol** 1984 Jan;25(1):54-60

Effect of various levels of dietary butylated hydroxyanisole on methylazoxymethanol acetate-induced colon carcinogenesis in CF1 mice. Reddy BS, et al. **JNCI** 1983 Dec;71(6):1299-305

ADVERSE EFFECTS

British cosmetic regulations inadequate [letter] Boyle J, et al. **Br Med J [Clin Res]** 1984 Jun 30;288(6435):1998-9

Beware of phenolic antioxidants (BHT and BHA) [letter] Llaurado JG. **West J Med** 1983 Aug;139(2):229-30

BLOOD

Determination of 4-hydroxyanisole in serum using liquid chromatography with electrochemical detection. Buell PE, et al. **Life Sci** 1984 Jun 25;34(26):2605-11

METABOLISM

Interactions of combretastatin, a new plant-derived antimitotic agent, with tubulin. Hamel E, et al. **Biochem Pharmacol** 1983 Dec 15;32(24):3864-7

A new metabolite of butylated hydroxyanisole in man. El-Rashidy R, et al. **Biopharm Drug Dispos** 1983 Oct-Dec; 4(4):389-96

2,2'-dihydroxy-3,3'-di-t-butyl-5,5'-dimethoxydiphenyl, a new metabolite of 2-t-butyl-4-methoxyphenol in the rat. Guarna A, et al. **Drug Metab Dispos** 1983 Nov-Dec; 11(6):581-4

Identification by electron spin resonance of free radicals formed during the oxidation of 4-hydroxyanisole catalyzed by tyrosinase. Nilges MJ, et al. **J Biol Chem** 1984 Feb 25; 259(4):2446-51

PHARMACODYNAMICS

Glutathione S-transferase isozymes of mouse intestine: differential induction by 2(3)-tert-butyl-4-hydroxyanisole. Parchment RE, et al. **Biochem Biophys Res Commun** 1984 Mar 30;119(3):1015-21

Lung strips from guinea pigs as test system for lipoxygenase inhibitors. Inhibition of arachidonic acid-induced contractions by 3-t-butyl-4-hydroxyanisole and nordihydroguaiaretic acid. Siapke J, et al. **Biomed Biochim Acta** 1983;42(10):1309-18

Effects of butylated hydroxyanisole and butylated hydroxytoluene on 7,12-dimethylbenz[a]anthracene-DNA adduct formation in mouse embryo cell cultures. Sawicki JT, et al. **Cancer Lett** 1983 Sep;20(2):165-71

Inhibitory effect of antioxidants ethoxyquin and 2(3)-tert-butyl-4-hydroxyanisole on hepatic tumorigenesis in rats fed ciprofibrate, a peroxisome proliferator. Rao MS, et al. **Cancer Res** 1984 Mar;44(3):1072-6

Effects of butylated hydroxyanisole on the metabolism of benzo(a)pyrene by mouse lung microsomes. Sydor W Jr, et al. **Cancer Res** 1984 Jan;44(1):134-8

Effect of dietary butylated hydroxyanisole on the mouse hepatic monooxygenase system of nuclear and microsomal fractions. Hennig EE, et al. **Carcinogenesis** 1983 Oct; 4(10):1243-6

Induction by butylated hydroxyanisole of specific molecular forms of glutathione S-transferase and UDP-glucuronyltransferase and inhibition of development of gamma-glutamyl transpeptidase-positive foci in rat liver. Sato K, et al. **Carcinogenesis** 1984 Apr;5(4):473-7

Dietary administration of 2(3)-t-butyl-4-hydroxyanisole elevates mouse liver microsome-mediated DNA binding and mutagenicity of aflatoxin B1. Rahimtula AD, et al. **Chem Biol Interact** 1984 Feb;48(2):207-20

Protection against reactive oxygen species by NAD(P)H: quinone reductase induced by the dietary antioxidant butylated hydroxyanisole (BHA). Decreased hepatic low-level chemiluminescence during quinone redox cycling. Wefers H, et al. **FEBS Lett** 1984 Apr 9;169(1):63-6

Inhibitory effect of butylated hydroxyanisole and ethoxyquin on the induction of neoplastic lesions in rat liver after an initial treatment with N-ethyl-N-hydroxyethylnitrosamine. Ito N, et al. **Gann** 1983 Aug;74(4):466-8

Butylated hydroxyanisole-stimulated NADPH oxidase activity in rat liver microsomal fractions. Cummings SW, et al. **J Biol Chem** 1983 Oct 25;258(20):12315-9

Dose-response studies of the effect of dietary butylated hydroxyanisole on colon carcinogenesis induced by methylazoxymethanol acetate in female CF1 mice. Reddy BS, et al. **JNCI** 1984 May;72(5):1181-7

Modifications of microsomal and nuclear fractions by butylated hydroxyanisole and its effect on benzo(a)pyrene metabolites binding to macromolecules. Demkowicz-Dobrzański KK, et al. **Neoplasma** 1984; 31(4):423-30

Residues of polychlorinated phenols and anisoles in broilers raised on contaminated woodshaving litter. Frank R, et al. **Poult Sci** 1983 Aug;62(8):1559-65

THERAPEUTIC USE

Inhibition of 7,12-dimethylbenz(a)anthracene-induced rat mammary carcinogenesis by concomitant or postcarcinogen antioxidant exposure. McCormick DL, et al. **Cancer Res** 1984 Jul;44(7):2858-63

Chemoprotective effects of two dithiolthiones and of butylhydroxyanisole against carbon tetrachloride and acetaminophen toxicity. Ansher SS, et al. **Hepatology** 1983 Nov-Dec;3(6):932-5

Effect of Sialor in treatment of xerostomia in Sjögren's syndrome. Epstein JB, et al. **Oral Surg** 1983 Nov; 56(5):495-9

TOXICITY

The carcinogenic effect of butylated hydroxyanisole on the stratified epithelium of the stomach in rat versus pig. Olsen P. **Cancer Lett** 1983 Nov;21(1):115-6

Induction of hepatic glutathione S-transferase activity by butylated hydroxyanisole and conjugation of benzo[a]pyrene diol-epoxide. Dock L, et al. **Carcinogenesis** 1984 Jun;5(6):841-4

Modifying effects of butylated hydroxyanisole, ethoxyquin and acetaminophen on induction of neoplastic lesions in rat liver and kidney initiated by N-ethyl-N-hydroxyethylnitrosamine. Tsuda H, et al. **Carcinogenesis** 1984 Apr;5(4):525-31

Induction of forestomach hyperplasia by crude butylated hydroxyanisole, a mixture of 3-tert and 2-tert isomers, in Syrian golden hamsters is due to 3-tert-butylated hydroxyanisole. Ito N, et al. **Gann** 1984 Jun;75(6):471-4

Induction of papilloma in the forestomach of hamsters by butylated hydroxyanisole. Ito N, et al. **Gann** 1983 Aug; 74(4):459-61

Effects of butylated hydroxyanisole, butylated hydroxytoluene, and NaCl on gastric carcinogenesis initiated with N-methyl-N'-nitro-N-nitrosoguanidine in F344 rats. Shirai T, et al. **JNCI** 1984 May;72(5):1189-98

Mutagenicity testing of beta-asarone and commercial calamus drugs with Salmonella typhimurium. Göggelmann W, et al. **Mutat Res** 1983 Sep;121(3-4):191-4

Short-term pathological and proliferative effects of butylated hydroxyanisole and other phenolic antioxidants in the forestomach of Fischer 344 rats. Nera EA, et al. **Toxicology** 1984 Sep 14;32(3):197-213

[Toxic properties of anisole aerosols] Uzhdavini ER, et al. **Gig Tr Prof Zabol** 1984 Jun;(6):43-4 **(Rus)**

URINE

Identification and quantitation of a metabolite of anethol dithioltthione in rat and mouse urine using high-performance liquid chromatography. Masoud AN, et al. **J Chromatogr** 1983 Aug 12;276(1):111-9

ANISOMETROPIA see **REFRACTIVE ERRORS**

ANISOMYCIN see under **PYRROLIDINES**

ANISOTROPINE METHYLBROMIDE see under **TROPANES**

ANKLE

Role of nerve blocks in the foot and ankle in cerebral palsy: therapeutic and diagnostic. Carpenter EB. **Foot Ankle** 1983 Nov-Dec;4(3):164-6

Syringoma of the ankle [letter] Port M, et al. **J Am Acad Dermatol** 1984 Feb;10(2 Pt 1):291-3

Ankle valgus. Its relationship to rearfoot instability. Oberling RE. **J Am Podiatry Assoc** 1983 Aug;73(8):405-8

Hypertrophic hemangioma vs. hemangiopericytoma. Bernhard LM, et al. **J Foot Surg** 1983 Winter;22(4):308-13

Peroneal tendon dislocations: a review of the literature. Cohen I, et al. **J Foot Surg** 1983 Spring;22(1):15-20

Peroneus longus tendinitis: a possible biomechanical etiology. Jackson MA, et al. **J Foot Surg** 1982 Winter;21(4):344-8

Benign cavernous hemangioma of the ankle. Midenberg M, et al. **J Foot Surg** 1983 Winter;22(4):294-7

The os trigonum syndrome: use of bone scan in the diagnosis. Johnson RP, et al. **J Trauma** 1984 Aug;24(8):761-4

Case report 262: dysplasia epiphysealis hemimelica (DEH)—Trevor disease. Fisher MR, et al. **Skeletal Radiol** 1984;11(2):147-50

Ankle-level amputation. Nakhgevany KB, et al. **Surgery** 1984 May;95(5):549-52

ANATOMY & HISTOLOGY

Ankle tenography: a key to unexplained symptomatology. Part I: Normal tenographic anatomy. Teng MM, et al. **Radiology** 1984 Jun;151(3):575-80

BLOOD SUPPLY

Evaluation of graft patency utilizing the ankle-brachial pressure index and ankle pulse volume recording amplitude. Samson RH, et al. **Am J Surg** 1984 Jun;147(6):786-7

Thromboembolectomy of arteries explored at the ankle. Youkey JR, et al. **Ann Surg** 1984 Mar;199(3):367-71

The effect of exercise upon cutaneous oxygen delivery in the extremities of patients with claudication and in a human laboratory model of claudication. Matsen FA 3d, et al. **Surg Gynecol Obstet** 1984 Jun;158(6):522-8

INJURIES

Children's ankle fractures. Classification and epidemiology. Landin LA, et al. **Acta Orthop Scand** 1983 Aug; 54(4):634-40

Importance of anatomical reduction for subjective recovery after ankle fracture. Tunturi T, et al. **Acta Orthop Scand** 1983 Aug;54(4):641-7

Roentgenographic skeletal injury patterns in parachute jumping. Petras AF, et al. **Am J Sports Med** 1983 Sep-Oct; 11(5):325-8

Posttraumatic Aeromonas hydrophila osteomyelitis. Karam GH, et al. **Arch Intern Med** 1983 Nov;143(11):2073-4

Frictional forces and ankle fractures in sport. Menck H, et al. **Br J Sports Med** 1983 Dec;17(4):135-6

Perspective on ski fractures of the leg and ankle. Seligson D. **Clin Sports Med** 1982 Jul;1(2):253-62

The spectrum of lower leg injuries in skiing. Trevino SG, et al. **Clin Sports Med** 1982 Jul;1(2):263-76

Nonoperative management of athletic ankle injuries. Vegso JJ, et al. **Clin Sports Med** 1982 Mar;1(1):85-98

Ankle diastasis without fracture. Edwards GS Jr, et al. **Foot Ankle** 1984 May-Jun;4(6):305-12

Tendon lacerations in the foot. Floyd DW, et al. **Foot Ankle** 1983 Jul-Aug;4(1):8-14

Fracture of the posterior process of the talus. A case report. Kavros SJ, et al. **J Am Podiatry Assoc** 1983 Aug; 73(8):421-2

Tetanus complicating an open trimalleolar fracture. A case report. Buchman MT, et al. **J Bone Joint Surg [Am]** 1984 Jan;66(1):139-41

Instability of the distal tibiofibular syndesmosis after

bimalleolar and trimalleolar ankle fractures. Leeds HC, et al. **J Bone Joint Surg [Am]** 1984 Apr;66(4):490–503

Internal fixation of malleolar fractures using the A.O. tension band wiring techniques. Chojnacki DJ, et al. **J Foot Surg** 1983 Spring;22(1):69–72

Varus deformity resulting from a medial malleolar fracture in a child. Case presentation. Connolly JF, et al. **Nebr Med J** 1983 Aug;68(8):270–2

A comparison between fenoprofen calcium and naproxen sodium in the treatment of soft tissue sports injuries. Mann PG. **Pharmatherapeutica** 1983;3(7):499–504

Treatment of inversion injuries of the ankle by early active management. Roycroft S, et al. **Physiotherapy** 1983 Oct 10;69(10):355–6

[Clinical diagnostic certainty in sprained ankles. A controlled blind study of 235 patients from a surgical outpatient department] Christensen MG, et al. **Ugeskr Laeger** 1983 Oct 10;145(41):3164–7 (Eng. Abstr.) **(Dan)**

[Computed tomography in complex fractures of the ankle joint] Friedburg H, et al. **Radiologe** 1983 Sep;23(9):421–5 (Eng. Abstr.) **(Ger)**

[Secondary arthrosis after surgical treatment of ankle fractures] Lange S, et al. **ROFO** 1984 Jan;140(1):69–74 (Eng. Abstr.) **(Ger)**

[Sprain injuries of the foot] Böhnel P. **Schweiz Rundsch Med Prax** 1984 Jul 17;73(29):914–7 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

The ankle stretch reflexes in normal and spastic subjects. The response to sinusoidal movement. Rack PM, et al. **Brain** 1984 Jun;107 (Pt 2):637–54

Pathodynamics of gait alterations in cerebral palsy and the significance of kinetic electromyography in evaluating foot and ankle problems. Hoffer MM, et al. **Foot Ankle** 1983 Nov–Dec;4(3):128–34

Examination of the cerebral palsy patient with foot and ankle problems. Kasser JR, et al. **Foot Ankle** 1983 Nov–Dec; 4(3):135–44

The use of orthotics in foot and ankle problems in cerebral palsy. Rosenthal RK. **Foot Ankle** 1984 Jan–Feb; 4(4):195–200

RADIOGRAPHY

Bone changes after rubella vaccination. Peters ME, et al. **AJR** 1984 Jul;143(1):27–8

Occult injuries of the talus diagnosed by bone scan and tomography. Burkus JK, et al. **Foot Ankle** 1984 May–Jun; 4(6):316–24

Ankle sprains revisited. Horne G, et al. **NZ Med J** 1984 Sep 12;97(763):605–7

Ankle tenography: a key to unexplained symptomatology. Part II: Diagnosis of chronic tendon disabilities. Gilula LA, et al. **Radiology** 1984 Jun;151(3):581–7

Accessory muscles of the lower calf. Nidecker AC, et al. **Radiology** 1984 Apr;151(1):47–8

[Arthrography of the ankle joint] Crespi Porro R, et al. **ROFO** 1984 Feb;140(2):191–5 (Eng. Abstr.) **(Ger)**

[The ankle joint in fibula malformations] Hippe P. **Z Orthop** 1984 Mar–Apr;122(2):201–7 (Eng. Abstr.) **(Ger)**

SURGERY

Island toe flaps in neurotrophic ulcers of the foot and ankle. Morain WD. **Ann Plast Surg** 1984 Jul;13(1):1–8

Postoperative wound infection in foot and ankle surgery. Miller WA. **Foot Ankle** 1983 Sep–Oct;4(2):102–4

Amputations at the ankle. Millard IL. **J Arkansas Med Soc** 1983 Jul;80(2):108–9

ANKLE JOINT

Radiographic instability of the ankle joint after Evans' repair. Orava S, et al. **Acta Orthop Scand** 1983 Oct;54(5):734–8

Cholesterol 'tophus'. Fam AG, et al. **Arthritis Rheum** 1983 Dec;26(12):1525–8

POEMS syndrome with neuroarthropathy and nodular regenerative hyperplasia of the liver. Zea-Mendoza AC, et al. **Arthritis Rheum** 1984 Sep;27(9):1053–7

Myxoid chondrosarcoma of the synovial tissue. A clinicopathologic, histochemical, and ultrastructural analysis. Kindblom LG, et al. **Cancer** 1983 Nov 15; 52(10):1886–95

Lateral ankle ligament injuries. Inversion and anterior stress radiography. Grace DL. **Clin Orthop** 1984 Mar;(183):153–9

Ankle arthroscopy. Pritsch M, et al. **Clin Orthop** 1984 Apr; (184):137–40

Ankle arthroscopy. Technique and indications. Drez D Jr, et al. **Clin Sports Med** 1982 Mar;1(1):35–45

Partial immobilization of the ankle and talar joints complex and its effect on the ground—foot force characteristics. Seliktar R, et al. **Eng Med** 1984 Jan;13(1):5–10

Instability of the ankle due to a separate centre of ossification in the lateral malleolus. Paterson FW, et al. **Injury** 1984 Mar;15(5):330–3

Benign giant cell tumor of the ankle joint. Connor JC, et al. **J Foot Surg** 1983 Winter;22(4):346–8

[Articular ligament rupture of the ankle joint] Bruns J, et al. **Aktuel Traumatol** 1983 Dec;13(6):222–5 (Eng. Abstr.) **(Ger)**

[Experiences in the after treatment of surgically treated ligament rupture of the ankle joint using a special shoe] Riemenschneider J, et al. **Aktuel Traumatol** 1983 Dec; 13(6):226–30 (Eng. Abstr.) **(Ger)**

[Chronic ligament insufficiency of the lateral upper/lower ankle joint] Spirig P. **Helv Chir Acta** 1984 Jun;51(2):195–8 (Eng. Abstr.) **(Ger)**

[Resolution of chronic lateral instability of the ankle by ligamentoplasty (Lee–Castaing tenodesis)] Baciu C, et al. **Rev Chir [Chir]** 1983 Nov–Dec;32(6):435–44 (Eng. Abstr.) **(Rum)**

[Volkov–Oganesian hinged distraction apparatus for restoring the function of the talocrural articulation] Oganesian OV, et al. **Ortop Travmatol Protez** 1984 Jan; (1):54–6 **(Rus)**

[Apparatus correction of contractures of the joints of the lower limbs in patients with infantile cerebral palsy] Krasnov AF, et al. **Vestn Khir** 1984 May;132(5):87–91 (Eng. Abstr.) **(Rus)**

[Clinical study of biomechanical disorders in the ankle joint after fracture of the fibula] Sarić V, et al. **Lijec Vjesn** 1984 Apr;106(4):123–6 (Eng. Abstr.) **(Scr)**

ABNORMALITIES

Lateral talocalcaneal angle in assessment of subtalar valgus: follow-up of seventy Grice–Green arthrodeses. Aronson J, et al. **Foot Ankle** 1983 Sep–Oct;4(2):56–63

Valgus deformity of the ankle in myelodysplastic patients. Correction by stapling of the medial part of the distal tibial physis. Burkus JK, et al. **J Bone Joint Surg [Am]** 1983 Oct; 65(8):1157–62

Valgus deformity of the ankle in children with spina bifida aperta. Malhotra D, et al. **J Bone Joint Surg [Br]** 1984 May;66(3):381–5

[The ankle joint in fibula malformations] Hippe P. **Z Orthop** 1984 Mar–Apr;122(2):201–7 (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

Functional anatomy of the medial collateral ligament of the ankle joint. Quiles M, et al. **Foot Ankle** 1983 Sep–Oct; 4(2):73–82

The tensile strength of the anterior talofibular ligament. St. Pierre RK, et al. **Foot Ankle** 1983 Sep–Oct;4(2):83–5

[Contact surfaces and anatomical joint surfaces of the upper ankle joint—methods for the determination of facet size and case representation] Dörenberg KO. **Morphol Med** 1983 Sep;3(2):97–108 (Eng. Abstr.) **(Ger)**

INJURIES

Post-traumatic growth disturbance of the ankle treated by the Langenskiöld procedure. Evaluation by radiography, roentgen stereophotogrammetry, scintimetry and histology: case report. Kärrholm J, et al. **Acta Orthop Scand** 1983 Oct;54(5):721–9

Lateral ligament injury of the ankle in children. Follow-up results of primary surgical treatment. Vahvanen V, et al. **Acta Orthop Scand** 1984 Feb;55(1):21–5

Posterior compartment fractures of the ankle. A commonly missed athletic injury. Paulos LE, et al. **Am J Sports Med** 1983 Nov–Dec;11(6):439–43

Computerized tomography in the evaluation of peroneal tendon dislocation. A report of two cases. Szczukowski M Jr, et al. **Am J Sports Med** 1983 Nov–Dec;11(6):444–7

Ankle arthrography in acute injuries. Ala-Ketola L, et al. **Ann Clin Res** 1984;16 Suppl 40:10–3

Atypical pronation–eversion ankle joint fractures. Olerud C, et al. **Arch Orthop Trauma Surg** 1984;102(3):201–2

Clinical diagnosis, arthrography, stress examination and surgical findings after inversion trauma of the ankle. van den Hoogenband CR, et al. **Arch Orthop Trauma Surg** 1984; 103(2):115–9

Ruptured fibular ankle ligament: plaster or Pliton brace? Cetti R, et al. **Br J Sports Med** 1984 Jun;18(2):104–9

Pes cavovarus following ankle fracture. A case report. Horne G. **Clin Orthop** 1984 Apr;(184):249–50

Benefits, risks, and costs of alternative approaches to the evaluation and treatment of severe ankle sprain. Soboroff SH, et al. **Clin Orthop** 1984 Mar;(183):160–8

Symposium on ankle and foot problems in the athlete. **Clin Sports Med** 1982 Mar;1(1):1–178

Historical perspectives on injuries of the ligaments of the ankle. Balduini FC, et al. **Clin Sports Med** 1982 Mar; 1(1):3–12 (43 ref.)

Adhesive strapping techniques. Bonci CM. **Clin Sports Med** 1982 Mar;1(1):99–116

Operative management of ligamentous injuries to the ankle. Brand RL, et al. **Clin Sports Med** 1982 Mar;1(1):117–30

Epidemiologic perspective. Garrick JG. **Clin Sports Med** 1982 Mar;1(1):13–8

Foot and ankle problems in the preadolescent and adolescent athlete. Gregg JR, et al. **Clin Sports Med** 1982 Mar; 1(1):131–47

Ankle injuries in athletics. Mack RP. **Clin Sports Med** 1982 Mar;1(1):71–84

Ankle sprains in athletes. Nemeth VA, et al. **Clin Sports Med** 1983 Mar;2(1):217–24

Tendon injuries about the ankle. Scheller AD, et al. **Clin Sports Med** 1983 Nov;2(3):631–41

Occult injuries of the talus diagnosed by bone scan and tomography. Burkus JK, et al. **Foot Ankle** 1984 May–Jun; 4(6):316–24

Displaced fractures of the os calcis involving the subtalar joint: the key role of the superomedial fragment. Stephenson JR. **Foot Ankle** 1983 Sep–Oct;4(2):91–101

A sprained ankle that acted up after it healed. Weiner SR. **Hosp Pract** 1983 Dec;18(12):61, 64

Ruptures of the ligaments about the tibio–fibular syndesmosis. Katznelson A, et al. **Injury** 1983 Nov;15(3):170–2

Fracture–dislocation of the ankle joint: case report of a rare irreducible dislocation. Paccola CA. **Injury** 1984 Sep; 16(2):114–6

The inverted Y approach to the talus and ankle joint. Tauber C, et al. **Injury** 1984 Jul;16(1):53–4

The plantaris tendon: a lateral ankle stabilization procedure. A case report. Ransom RA, et al. **J Am Podiatry Assoc** 1984 Jun;74(6):295–8

Tibiocalcaneal stabilization using reinforced acrylic cement as a substitute for the talus. A case report. Kendrick RE. **J Bone Joint Surg [Am]** 1984 Jun;66(5):788–90

Loss of the medial malleolus in a bimalleolar fracture. A case report. Lindenbaum BL. **J Bone Joint Surg [Am]** 1983 Oct;65(8):1184–5

Acute rupture of the lateral ligament of the ankle. To suture or not to suture? Evans GA, et al. **J Bone Joint Surg [Br]** 1984 Mar;66(2):209–12

A triligamentous reconstruction for lateral ankle instability. Kaplan EG, et al. **J Foot Surg** 1984 May–Jun;23(3):240–7 (33 ref.)

Ankle fracture classification with approaches to surgical repair by AO–ASIF techniques. Knudsen HA, et al. **J Foot Surg** 1983 Summer;22(2):145–52

A surgical approach to a displaced ankle fracture. Sachs W, et al. **J Foot Surg** 1984 Jul–Aug;23(4):302–7

Lauge–Hansen classification: a clockwork injury. Weiss L, et al. **J Foot Surg** 1983 Fall;22(3):192–7

Extensor digitorum brevis transfer in chronic unstable ankles. Mukherjee K, et al. **J R Coll Surg Edinb** 1983 Jul; 28(4):250–5

Ankle instability: current concepts, diagnosis, and treatment. Cass JR, et al. **Mayo Clin Proc** 1984 Mar;59(3):165–70

Medial malleolar fracture in a child—closed or open treatment? Ray SK, et al. **Nebr Med J** 1983 Nov; 68(11):360–2

Ankle injuries in the athlete. Weiker GG. **Primary Care** 1984 Mar;11(1):101–8

Using an Unna's boot in treating ligamentous ankle injuries. Pointer J. **West J Med** 1983 Aug;139(2):257–9

[Ligamentous lesions associated with fractures of the tibial plateau] Koechlin P, et al. **Acta Orthop Belg** 1983; 49(6):751–60 (Eng. Abstr.) **(Fre)**

[An often overlooked ligament rupture: that of the lateral internal ligament of the ankle (letter)] Crespy G. **J Chir (Paris)** 1984 Mar;121(3):221 **(Fre)**

[84 fractures of the lower end of the tibia in adults. Attempt at a classification] Vives P, et al. **Rev Chir Orthop** 1984; 70(2):129–39 (Eng. Abstr.) **(Fre)**

[Fresh injuries of the upper ankle joint. Treatment problems and results] Seyffarth G, et al. **Beitr Orthop Traumatol** 1984 May;31(5):248–56 (Eng. Abstr.) **(Ger)**

[Diagnosis of ligament injuries of the ankle joint using exposures under pressure] Jend HH, et al. **ROFO** 1983 Nov; 139(5):540–3 (Eng. Abstr.) **(Ger)**

[Fibular ligament injury of the ankle joint in children and adolescents] Ehrensperger J. **Ther Umsch** 1983 Nov; 40(11):989–95 (Eng. Abstr.) **(Ger)**

[Isolated luxation of the proximal tibio–fibular joint as a rare sports injury] Halm W, et al. **Unfallchirurgie** 1983 Dec; 9(6):349–53 (Eng. Abstr.) **(Ger)**

[Diagnosis of ligament injuries of the upper ankle joint] Scheuba G, et al. **Unfallchirurgie** 1983 Dec;9(6):341–4 (Eng. Abstr.) **(Ger)**

[Fresh fibular capsular ligament ruptures of the ankle joint. Classification, therapy and prognosis] Paar O, et al. **Unfallheilkunde** 1984 Jan;87(1):27–9 (Eng. Abstr.) **(Ger)**

[Difficulties in supination injuries of the lateral ankle] Rahn G. **Z Arztl Fortbild (Jena)** 1984;78(1):17–9 **(Ger)**

[Late results following surgical treatment of ruptured ligaments of the upper ankle joint in children] Desbiolles M, et al. **Z Kinderchir** 1983 Aug;38(4):243–6 (Eng. Abstr.) **(Ger)**

[Partial epiphysiodesis following an epiphyseal fracture] Blatter R. **Z Unfallchir Versicherungsmed Berufskr** 1983; 76(4):225–6 **(Ger)**

[Carbon fiber ligament replacement in the treatment of chronic instability of the external ankle joint ligament] Kinzl L, et al. **Zentralbl Chir** 1983;108(19):1192–7 (Eng. Abstr.) **(Ger)**

[Reconstructive surgery of malunion of ankle fractures] Fekete G. **Magy Traumatol Orthop Helyreallito Sebesz** 1983;26(4):308–13 (Eng. Abstr.) **(Hun)**

[Comparison of the results of conservative and surgical treatment of injuries of ankle joint ligaments] Bednarek J. **Chir Narzadow Ruchu Ortop Pol** 1983;48(2):121–6 (Eng. Abstr.) **(Pol)**

[Isolated ligamental–capsular injuries of the ankle joint] Bednarek J. **Chir Narzadow Ruchu Ortop Pol** 1982; 47(5–6):471–7 (Eng. Abstr.) **(Pol)**

[Degenerative–deforming processes in the ankle joint after fractures of the malleoli] Malcewicz S. **Chir Narzadow Ruchu Ortop Pol** 1983;48(1):21–5 (Eng. Abstr.) **(Pol)**

[Biomechanics of the ankle joint and pathomorphology of its injuries] Modrzewski K.

Chir Narzadow Ruchu Ortop Pol 1982;47(5–6):461–70 (Eng. Abstr.) (Pol)
[Is non-surgical treatment of fractures of both malleoli permitted in 1982?] Vichard P.
Chir Narzadow Ruchu Ortop Pol 1983;48(1):17–20 (Eng. Abstr.) (Pol)
[Regional blood circulation in bone fractures in the area of the talocrural articulation] Bystrova LG, et al.
Ortop Travmatol Protez 1984 Jan;(1):25–7 (Eng. Abstr.) (Rus)
[Use of the compression method in the treatment of old fracture-dislocations of the talocrural articulation] Rebenko TA, et al. Ortop Travmatol Protez 1984 Jan;(1):48–9 (Rus)
[Our experience using an elastic supporting base under the plaster cast on the lower limb] Shumada IV, et al.
Ortop Travmatol Protez 1984 Feb;(2):33–6 (Eng. Abstr.) (Rus)
[Treatment of luxation fractures of the talocrural joint] Sarić V, et al. Acta Chir Iugosl 1983;30(2):187–95 (Eng. Abstr.) (Ser)
[Ankle joint injuries in children] Kärrholm J, et al.
Lakartidningen 1983 Sep 14;80(37):3294–300 (Swe)

PHYSIOLOGY

Biomechanics of the foot and ankle. Kotwick JE.
Clin Sports Med 1982 Mar;1(1):19–34 (44 ref.)
Biomechanical characteristics of human ankle-joint muscles. Aruin AS, et al. Eur J Applied Physiol 1984;52(4):400–6
Physiological properties of two antagonist human muscle groups. Belanger AY, et al. Eur J Applied Physiol 1983;51(3):381–93
Ankle joint load and leg muscle activity during lifting. Ekholm J, et al. Foot Ankle 1984 May–Jun;4(6):292–300
The role of the interosseous membrane on tibiofibular weightbearing. Skraba JS, et al. Foot Ankle 1984 May–Jun;4(6):301–4
An analysis of the function of the posterior talofibular ligament. Rasmussen O, et al. Int Orthop 1983;7(1):41–8
Planal dominance. Green DR, et al.
J Am Podiatry Assoc 1984 Feb;74(2):98–103
Invariance of ankle dynamic stiffness during fatiguing muscle contractions. Hunter IW, et al. J Biomech 1983;16(12):985–91
Response of the normal human ankle joint to imposed sinusoidal movements. Evans CM, et al.
J Physiol (Lond) 1983 Nov;344:483–502
Reflex responses at the human ankle: the importance of tendon compliance. Rack PM, et al. J Physiol (Lond) 1983 Nov;344:503–24
The effect of taping on ankle mobility following moderate exercise. Morris HH, et al. J Sports Med Phys Fitness 1983 Dec;23(4):422–6
'Forces predicted at the ankle during running' [letter] Paul JP. Med Sci Sports Exerc 1983;15(4):vii
Ankle joint movement—a trigonometric analysis. Matsuda H, et al. Osaka City Med J 1982;28(2):115–37
Alterations in ankle dorsiflexion torque as a result of continuous ultrasound to the anterior tibial compartment. Black KD, et al. Phys Ther 1984 Jun;64(6):910–3
Measurement of selected hip, knee, and ankle joint motions in newborns. Waugh KG, et al. Phys Ther 1983 Oct;63(10):1616–21
[Physiology of the astragalar region] De Doncker E, et al.
Acta Orthop Belg 1983;49(6):633–8 (Fre)
[Muscle function test device for measuring forces in the region of the ankle joint] Beste KW.
Biomed Tech (Berlin) 1983 Jul–Aug;28(7–8):168–73 (Eng. Abstr.) (Ger)
[Experimental studies on load-bearing pressure and contact areas in the ankle joint] Paar O, et al. Unfallheilkunde 1983 Dec;86(12):531–4 (Eng. Abstr.) (Ger)

PHYSIOPATHOLOGY

Factors affecting stabilometry recordings of single limb stance. Tropp H, et al. Am J Sports Med 1984 May–Jun;12(3):185–8
Stabilometry in functional instability of the ankle and its value in predicting injury. Tropp H, et al.
Med Sci Sports Exerc 1984;16(1):64–6
Measurement of torque during passive and active ankle movements in patients with muscle hypertonia. A methodological study. Broberg C, et al.
Scand J Rehabil Med [Suppl] 1983;9:108–17

RADIOGRAPHY

Width of the normal ankle joint. Jonsson K, et al.
Acta Radiol [Diagn] (Stockh) 1984;25(2):147–9
Arthrography of the ankle. Value in diagnosis of rupture of the calcaneofibular ligament. Lindholmer E, et al.
Acta Radiol [Diagn] (Stockh) 1983;24(3):217–23
Skeletal changes in neuromuscular disorders mimicking juvenile rheumatoid arthritis and hemophilia. Richardson ML, et al. AJR 1984 Oct;143(4):893–7
Significance of intraarticular fluid without visible fracture in children. Swischuk LE, et al. AJR 1984 Jun;142(6):1261–2
Ankle and subtalar arthrography. Pavlov H.
Clin Sports Med 1982 Mar;1(1):47–69
Radiological examination of post-adjuvant polyarthritis in steroid-treated or allogeneic pregnant mice. Bubak-Satora M, et al. Folia Biol (Krakow) 1983;31(4):365–72
Calcifications simulating peroneus longus tendinitis. de Carvalho A, et al. Skeletal Radiol 1984;12(1):37–9
[Diagnosis and therapy of fibular ligament injuries in the ankle joint in children] Klotter HJ, et al.
Aktuel Traumatol 1983 Dec;13(6):217–21 (Eng. Abstr.) (Ger)
[Experimental studies on stress x-rays of the ankle joint] Fröhlich H, et al. Unfallheilkunde 1984 Jan;87(1):30–4 (Eng. Abstr.) (Ger)
[Experimental studies on the value of two-level x-ray of the upper ankle joint] Fröhlich H, et al. Unfallheilkunde 1984 Jun;87(6):256–61 (Eng. Abstr.) (Ger)

SURGERY

PC ankle prosthesis. Five year follow-up. Pipino F, et al.
Acta Orthop Belg 1983;49(6):725–35
The Cybex II evaluation of lateral ankle ligamentous reconstructions. St. Pierre RK, et al. Am J Sports Med 1984 Jan–Feb;12(1):52–6
Total ankle replacement in rheumatoid arthritis: a preliminary review of 28 arthroplasties in 24 patients. Kaukonen JP, et al. Ann Chir Gynaecol 1983;72(4):196–9
External fixation for arthrodesis of the knee and ankle. Rothacker GW Jr, et al. Clin Orthop 1983 Nov;(180):101–8
Postoperative wound infection in foot and ankle surgery. Miller WA. Foot Ankle 1983 Sep–Oct;4(2):102–4
A simple operation for correction of chronic lateral instability of the ankle. Hendel D, et al. Injury 1983 Sep;15(2):115–6
Total ankle replacement in rheumatoid arthritis. Lachiewicz PF, et al. J Bone Joint Surg [Am] 1984 Mar;66(3):340–3
Reconstruction for lateral instability of the ankle. Riegler HF. J Bone Joint Surg [Am] 1984 Mar;66(3):336–9
Rotation-plasty. Fixsen JA. J Bone Joint Surg [Br] 1983 Nov;65(5):529–30
The long-term results of Watson-Jones tenodesis. van der Rijt AJ, et al. J Bone Joint Surg [Br] 1984 May;66(3):371–5
Chronic lateral ankle instability: results when treated with the modified Evans procedure. Epstein J. J Foot Surg 1982 Winter;21(4):260–4
Review of postoperative results of the subtalar arthrorisis operation: a preliminary study. Smith SD, et al.
J Foot Surg 1984 May–Jun;23(3):253–60 (26 ref.)
Split peroneus brevis transfer: nonosseous ankle stabilization procedure. Wilson MK, et al. J Foot Surg 1982 Winter;21(4):324–9
Revisional left ankle arthrodesis for pseudoarthrosis. Wright JC, et al. J Foot Surg 1983 Spring;22(1):57–9
Compression arthrodesis of the knee and ankle with the Hoffmann external fixator. Velazco A, et al.
South Med J 1983 Nov;76(11):1393–6
[Surgical results of reconstructive surgery of the fibular ligaments using our modification of Weber's method] Soukup B, et al. Acta Chir Orthop Traumatol Cech 1984 Feb;51(1):33–40 (Eng. Abstr.) (Cze)
[Treatment of chronic laxity of the ankle by retightening of the external ligaments. Apropos of 37 cases] Duquennoy A, et al. Acta Orthop Belg 1983;49(6):736–44 (Eng. Abstr.) (Fre)
[Chronic instability of the ankle. Surgical treatment] Van Innis F, et al. Acta Orthop Belg 1983;49(6):745–50 (Fre)
[Should the lateral peroneus brevis muscle be used for external ligamentoplasties of the ankle?] Loustau C, et al.
Ann Chir 1983 Dec;37(9):671–5 (Eng. Abstr.) (Fre)
[Follow-up results in the treatment of chronic fibular ligament insufficiency. The Watson-Jones and Evans surgical technics] Träger D. Aktuel Traumatol 1983 Dec;13(6):231–4 (Eng. Abstr.) (Ger)
[Results of follow-up studies in the treatment of chronic fibular ligament insufficiency using autologous corium] Träger D. Aktuel Traumatol 1984 Aug;14(4):181–4 (Eng. Abstr.) (Ger)
[Modified ligamentplasty of the external ankle bone] Machan FG. Beitr Orthop Traumatol 1984 May;31(5):256–60 (Eng. Abstr.) (Ger)
[Unusual application of carbon fiber ligaments to joints] Becker D. Unfallheilkunde 1984 Apr;87(4):163–7 (Eng. Abstr.) (Ger)
[Corium interposition in the plastic repair of the ankle joint] Koneczny O, et al. Unfallheilkunde 1985 Sep;86(9):400–6 (Eng. Abstr.) (Ger)
[Treatment of chronic rotary instability of the subtalar joint] Zwipp H, et al. Unfallheilkunde 1984 May;87(5):196–200 (Eng. Abstr.) (Ger)
[Therapy of chronic antero-lateral instability of the upper ankle and its results] Keller E, et al. Zentralbl Chir 1984;109(11):722–30 (Eng. Abstr.) (Ger)
[Congenital underdevelopment of the fibula and formation of the external malleolus] Kostrub AA.
Ortop Travmatol Protez 1983 Sep;(7):63–5 (Rus)

ANKYLOSIS

COMPLICATIONS

Cervical ankylosing hyperostosis and airway obstruction. Hassard AD. Laryngoscope 1984 Jul;94(7):966–8
[Spondylosis hyperostotica (Forestier's disease) – differential diagnosis of dysphagia] Hartwein J, et al.
Laryngol Rhinol Otol (Stuttg) 1984 Jan;63(1):25–26 (Eng. Abstr.) (Ger)
[Clinical studies of ankylosing hyperostosis of the spine in spinal cord injured patients: heterotopic ossification and initial findings] Sugi M. Nippon Geka Hokan 1983 Jan 1;52(1):98–111 (Eng. Abstr.) (Jpn)

DIAGNOSIS

[A case of long-standing limitation in opening the mouth associated with collagenosis with muscular components] Colon JC. Acta Stomatol Belg 1983 Dec;80(4):259–62 (Fre)
[Osteodental ankylosis] Aru G, et al. Minerva Stomatol 1984 Mar–Apr;33(2):253–8 (Eng. Abstr.) (Ita)

ETIOLOGY

Elbow joint ankylosis following thermal injury. Vrbický B, et al. Acta Chir Plast (Prague) 1983;25(4):188–93
Experimental tooth ankylosis in the monkey. Rubin PL, et al. Angle Orthod 1984 Jan;54(1):67–72
[External temporomandibular ankylosis] Lachard J, et al.
Rev Stomatol Chir Maxillofac 1984;85(1):59–62 (Eng. Abstr.) (Fre)

FAMILIAL & GENETIC

The Pena-Shokeir syndrome: report of five cases and further delineation of the syndrome. Chen H, et al.
Am J Med Genet 1983 Oct;16(2):213–24
[Stapes ankylosis as a symptom of autosomal dominant symphalangia] Theunissen EJ, et al.
Ned Tijdschr Geneeskd 1984 Apr 14;128(15):712–4 (Eng. Abstr.) (Dut)
[Regular dominance of thumb ankylosis with mental retardation transmitted over 3 generations] Piussan C, et al. J Genet Hum 1983 Jun;31(2):107–14 (Eng. Abstr.) (Fre)

SURGERY

Range of motion following total knee arthroplasty in ankylosed joints. Mullen JO. Clin Orthop 1983 Oct;(179):200–3
A review of the Liverpool elbow prosthesis from 1974 to 1982. Soni RK, et al. J Bone Joint Surg [Br] 1984 Mar;66(2):248–53
[Comparative analysis of the results of different operative methods in treating 35 cases of ankylosis of the temporomandibular joint] Zhang JS.
Chung Hua Kou Chiang Ko Tsa Chih 1983 Jun;18(2):100–2 (Chi)
[Mobilization of the knee under anesthesia in traumatology] Delaunay C, et al. Ann Chir 1983 May;37(4):296–302 (Eng. Abstr.) (Fre)
[One-stage surgical treatment of temporo-mandibular ankylosis and its facial deformity] Lachard J, et al.
Rev Stomatol Chir Maxillofac 1984;85(1):41–5 (Eng. Abstr.) (Fre)
[Judet's operative knee mobilization in posttraumatic extension stiffness] Grob D, et al. Ther Umsch 1984 Jan;41(1):60–6 (Eng. Abstr.) (Ger)
[Directional osteotomy in the treatment of faulty ankylosis of the hip. Technical note] Boriani S, et al.
Chir Organi Mov 1982–83;68(3):339–43 (Eng. Abstr.) (Ita)

THERAPY

Orthopedic strategies in the management of the adult head-injured patient. Garland DE, et al. Phys Ther 1983 Dec;63(12):2004–9
[New mobilization apparatus for the postoperative treatment of fibrous ankylosis of the TMJ (temporomandibular joint)] Gennari PU, et al. Minerva Stomatol 1984 May–Jun;33(3):521–5 (Eng. Abstr.) (Ita)

ANNELIDA

Allergic contact dermatitis from the shoal worm Arenicola marina (L.). Hausen BM. Contact Dermatitis 1984 Jan;10(1):61

ANALYSIS

Structure and function of hemoglobin from Urechis caupo. Garey JR, et al. Arch Biochem Biophys 1984 Jan;228(1):320–31
Characterization of a large fragment from annelid cuticle collagen and its relationship to the intact molecule. Murray LW, et al. Coll Relat Res 1983 Nov;3(6):445–58

ANATOMY & HISTOLOGY

Haemopoietic tissue in Perinereis cultrifera Grübe: cytological identification and observations after treatment with lead. Lunetta-D'Ancona G, et al.
Basic Appl Histochem 1983;27(4):303–9

ENZYMOLOGY

Enzymatic defenses against oxygen toxicity in the hydrothermal vent animals Riftia pachyptila and Calyptogena magnifica. Blum J, et al.
Arch Biochem Biophys 1984 Feb 1;228(2):617–20

PHYSIOLOGY

Fertilization acid release in Urechis eggs. II. The

stoichiometry of Na+ uptake and H+ release. Gould M, et al. **Dev Biol** 1984 Aug;104(2):329–35
Fertilization acid release in Urechis eggs. I. The nature of the acid and the dependence of acid release and egg activation on external pH. Holland LZ, et al. **Dev Biol** 1984 Jun;103(2):337–42
The cocoon-producing cells of Eisenia foetida (Annelida, Oligochaeta): a histochemical and ultrastructural study. Morris GM. **J Morphol** 1983 Jul;177(1):41–50
[Neuroendocrine control of reproduction in worms] Durchon M, et al. **J Physiol (Paris)** 1982;78(6):532–6 (Eng. Abstr.) **(Fre)**
[Are cephalic regeration and clitellogenesis controlled by the same neurohormone in the lumbricid, Eisenia foetida?] Marcel R, et al. **J Physiol (Paris)** 1982;78(6):574–8 (Eng. Abstr.) **(Fre)**

ULTRASTRUCTURE

An ultrastructural and cytochemical study of the nucleolus–DNA body complex of Amphiporus lactifloreus oocytes. Rué G, et al. **Biol Cell** 1983;49(3):203–12
Ultrastructural studies of neuromuscular junctions in visceral and skeletal muscles of the chaetognath Sagitta setosa. Duvert M, et al. **Cell Tissue Res** 1983;233(3):657–69
An ultrastructural investigation of muscle attachment in the opercular filament of a polychaete annelid. Bubel A. **Tissue Cell** 1983;15(4):555–72

ANNIVERSARIES AND SPECIAL EVENTS see under **PUBLIC RELATIONS**

ANNUAL IMPLEMENTATION PLANS see under **REGIONAL HEALTH PLANNING**

ANNUAL REPORTS see under **ORGANIZATION AND ADMINISTRATION**

ANNULAR GROOVES see **AMNIOTIC BAND SYNDROME**

ANODONTIA

COMPLICATIONS

A congenitally missing canine in association with other dental disturbances: report of two cases. Bazan MT. **ASDC J Dent Child** 1983 Sep–Oct;50(5):382–4
Premature mineralization of permanent canines associated with aplasia of their primary predecessors: report of four cases. Ranta R. **ASDC J Dent Child** 1983 Jul–Aug; 50(4):274–7
[Agenesis of the superior central incisor. Its relation to pituitary nanism] Bretéché F, et al. **Rev Stomatol Chir Maxillofac** 1984;85(1):72–4 (Eng. Abstr.) **(Fre)**

FAMILIAL & GENETIC

The Rieger syndrome. Jorgenson RJ, et al. **Am J Med Genet** 1978;2(3):307–18
[Familial oligodontia with ectodermal dysplasia: a sex-linked recessive hereditary disease] Tong KQ. **Chung Hua Kou Chiang Ko Tsa Chih** 1983 Sep;18(3):151–3 **(Chi)**
[Contribution to the problem of ectodermal dysplasia in children] Remiszewski A. **Pediatr Pol** 1983 Mar; 58(3):299–305 **(Pol)**

OCCURRENCE

Hypodontia, hyperodontia, and double formation of primary teeth in Iceland. An epidemiological study. Magnússon TE. **Acta Odontol Scand** 1984 Jun;42(3):137–9
The Pierre Robin anomalad—comparisons of some disturbances in the formation of the teeth and the lower lip. Ranta R, et al. **Proc Finn Dent Soc** 1983;79(4):155–61

PATHOLOGY

Clinical evaluation of two patients with a single maxillary central incisor. Santoro FP, et al. **ASDC J Dent Child** 1983 Sep–Oct;50(5):379–81
Eyelid cysts, hypodontia, and hypotrichosis. Burket JM, et al. **J Am Acad Dermatol** 1984 May;10(5 Pt 2):922–5
[A case of anhidrotic ectodermal dysplasia in 3 brothers. Dental problems] Moreau JL, et al. **Actual Odontostomatol (Paris)** 1983 Sep;143:469–77 (Eng. Abstr.) **(Fre)**
[Hypohidrotic ectodermal dysplasia—medicodental aspects] Magalhães A, et al. **Rev Port Estomatol Clr Maxilofac** 1981 Jul–Sep;22(3):305–32 (Eng. Abstr.) **(Por)**
[Variation in dentition] Marić D, et al. **Med Pregl** 1982; 35(11–12):447–9 (Eng. Abstr.) **(Scr)**

PHYSIOPATHOLOGY

Root resorption and submergence in retained deciduous second molars. A mixed-longitudinal study of 77 children with developmental absence of second premolars. Rune B, et al. **Eur J Orthod** 1984 May;6(2):123–31

RADIOGRAPHY

Polydactyly associated with missing and supernumerary teeth. Yee AP. **Oral Surg** 1983 Nov;56(5):565
[Clinical X-ray criteria in the differential diagnosis of periodontosis and periodontal pathology in partial anodontia] Vishniak GN, et al. **Stomatologiia (Mosk)** 1984 Mar–Apr;63(2):17–8 (Eng. Abstr.) **(Rus)**

THERAPY

Treatment for hypodontia utilizing custom-made veneers and a resin-bonded bridge. Groper JN. **ASDC J Dent Child** 1983 Sep–Oct;50(5):369–71
[Diagnosis and prosthodontic treatment of congenital ectodermal dysplasia with anodontia] Zhou SM. **Chung Hua Kou Chiang Ko Tsa Chih** 1983 Sep;18(3):179–81 **(Chi)**

ANODYNES see **ANALGESICS**

ANOMIA see under **APHASIA**

ANOMIE

see related
PERSONALITY DISORDERS
SOCIAL BEHAVIOR DISORDERS

Personality, social skills, anomie and delinquency: a self-report study of a group of normal non-delinquent adolescents. Furnham A. **J Child Psychol Psychiatry** 1984 Jul;25(3):409–20
[Basic connections between social degradation and crisis, armament, political development of rights and national debt] Rohland B. **Z Gesamte Hyg** 1983 Oct;29(10):631–3 (Eng. Abstr.) **(Ger)**

ANOPHELES

Laboratory and field investigations on insecticide susceptibility of the anophelines in the previously endemic areas of malaria in the Danube Plain and Dobrudja. Bilbie I, et al. **Arch Roum Pathol Exp Microbiol** 1983 Oct–Dec; 42(4):343–51
The joint action of malathion and IBP against malathion-resistant and -susceptible strains of Anopheles stephensi. Hemingway J. **Bull WHO** 1984;62(3):445–9
Small scale field trials with Bacillus thuringiensis variety israelensis H-14 strain against larvae of anopheline and culicine mosquitoes. Sharma SK, et al. **J Commun Dis** 1983 Dec;15(4):223–34
Laboratory and field evaluation of synthetic pyrethroid decamethrin in controlling mosquito larvae. Bekheit SS. **J Egypt Soc Parasitol** 1983 Dec;13(2):521–8
Effects of ecological changes on the malaria vectors Anopheles funestus and the Anopheles gambiae complex of mosquitoes in Accra, Ghana. Chinery WA. **J Trop Med Hyg** 1984 Apr;87(2):75–81
Biochemical studies on malathion resistance in Anopheles arabiensis from Sudan. Hemingway J. **Trans R Soc Trop Med Hyg** 1983;77(4):477–80
Anopheles labranchiae in Sicily: decrease of susceptibility to insecticides [letter] Lavagnino A. **Trans R Soc Trop Med Hyg** 1983;77(6):883
Reappearance of Anopheles darlingi root and vivax malaria in a controlled area of Guyana, South America. Rambajan I. **Trop Geogr Med** 1984 Mar;36(1):61–6
[Study on an agar gel diffusion method for the identification of mosquito blood meals] Huang WZ, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1984;2(1):39–42 (Eng. Abstr.) **(Chi)**
[Investigation on population composition and nocturnal activities of Anopheles in two prefectures in Bose, Guangxi] Liu ZR. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1983;1(3):190 **(Chi)**
[DDT and malathion sensitivity of 3 Anopheles species in Tadzhikistan] Bondareva NI, et al. **Med Parazitol (Mosk)** 1983 Nov–Dec;(6):67–9 (Eng. Abstr.) **(Rus)**
[Sensitivity of Anopheles sacharovi Favre. mosquitoes to malathion, propoxur and DDT in the Azerbaijan SSR] Kul'kova TA, et al. **Med Parazitol (Mosk)** 1984 Jan–Feb; (1):44–6 (Eng. Abstr.) **(Rus)**
[Field trials of Bac. thuringiensis Berl. preparations on the larvae of Anopheles atroparvus Thiel. and Culex modestus Fic. mosquitoes. 2.] Sokolova EI, et al. **Med Parazitol (Mosk)** 1984 Jan–Feb;(1):28–30 (Eng. Abstr.) **(Rus)**
[Efficacy of bactoculicide in controlling the larvae of malaria mosquitoes] Borisenko IA, et al. **Voen Med Zh** 1984 Mar; (3):44–5 **(Rus)**

ANATOMY & HISTOLOGY

Morphometrical variations in Anopheles annularis. Dash AP, et al. **J Commun Dis** 1983 Mar;15(1):61–4

DRUG EFFECTS

Development of malathion resistance in a DDT, HCH resistant Anopheles culicifacies population in Thane district (Maharashtra). Vittal M, et al. **J Commun Dis** 1983 Jun; 15(2):144–5
[Blood-sucking activity of DDT-resistant populations of Anopheles messeae in the absence and presence of contact with DDT] Alekseev AN, et al. **Med Parazitol (Mosk)** 1983 Sep–Oct;(5):72–7 (Eng. Abstr.) **(Rus)**
[Comparative evaluation of the effect of bisazir and thiophosphamide sterilization on the sexual activity of male mosquitoes] Zakharova NF. **Med Parazitol (Mosk)** 1983 Jul–Aug;(4):38–42 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Genetic and physiochemical studies on beta-hydroxy acid dehydrogenase in Anopheles albimanus. Narang S, et al. **Biochem Genet** 1983 Oct;21(9–10):885–93
In situ inhibition of cholinesterase in Anopheles pharoensis and Culex pipiens by malathion and fenitrothion. El Sawaf BM, et al. **J Egypt Soc Parasitol** 1983 Jun;13(1):43–7
Histochemical localization of cholinesterases in some developmental stages of anopheles pharoensis and Culex pipiens (Diptera: Culicidae). El Sawaf BM, et al. **J Egypt Soc Parasitol** 1983 Jun;13(1):49–58

GENETICS

Genetics of three esterase loci in Anopheles stephensi Liston. Adak T, et al. **Biochem Genet** 1984 Jun;22(5–6):483–94
Genetic mapping and characterization of aldehyde oxidase of Anopheles albimanus (Diptera: Culicidae). Narang S, et al. **Biochem Genet** 1983 Aug;21(7–8):653–60
Biochemical genetic relationship in three taxa of the malaria mosquito Anopheles balabacensis complex. Yong HS, et al. **Comp Biochem Physiol [B]** 1983;76(3):611–3
Sumithione, an organophosphorus insecticide, induces a puff at the locus 43D/42A in the polytene chromosomes of the mosquito Anopheles stephensi. Godbole NN, et al. **FEBS Lett** 1984 Jul 23;173(1):147–50
Genetic observations on the taxon Anopheles (Cellia) pharoensis Theobald (Diptera: Culicidae). Miles SJ, et al. **J Trop Med Hyg** 1983 Aug;86(4):153–7
Experiments in crossing two strains of Anopheles barbirostris van der Wulp 1884 (Diptera: Culicidae) in Thailand. Choochote W, et al. **Southeast Asian J Trop Med Public Health** 1983 Jun; 14(2):204–9
[Comparative observations on the salivary gland chromosomes of the fourth instar larva of Anopheles sinensis in various districts] Xu XF, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1983;1(2):91–4 (Eng. Abstr.) **(Chi)**
[Effect of induced chromosomal rearrangements on the fertility and viability of Anopheles atroparvus] Pleshkova GN. **Genetika (Moskva)** 1984 Jun;20(6):968–73 (Eng. Abstr.) **(Rus)**
[Quantitative dose-effect relationships of the mutagenic action of X-rays on the sex cells of the malaria mosquito Anopheles messeae] Pleshkova GN, et al. **Genetika (Moskva)** 1983 Aug;19(8):1233–7 (Eng. Abstr.) **(Rus)**
[Distribution of the points of breaks in radiation-induced chromosome rearrangements along the polytene chromosomes of Anopheles messeae] Pleshkova GN. **Genetika (Moskva)** 1983 Sep;19(9):1457–62 (Eng. Abstr.) **(Rus)**
[Anopheles atroparvus strains with induced chromosome rearrangements] Pleshkova GN. **Genetika (Moskva)** 1984 Jan;20(1):68–72 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Ecology of Anopheles (Cellia) Sergent II Theobald in the eastern desert, Red Sea Governorate, Egypt. Gad AM, et al. **J Egypt Soc Parasitol** 1984 Jun;14(1):1–6
Studies on the biology of Anopheles pharoensis Theo. in Egypt. Shoukry A, et al. **J Egypt Soc Parasitol** 1984 Jun; 14(1):99–104
Development and survival of immature mosquitoes (Diptera: Culicidae) in Philippine rice fields. Mogi M, et al. **J Med Entomol** 1984 May 30;21(3):283–91

MICROBIOLOGY

The time—mortality response of mosquito larvae infected with the fungus Culicinomyces. Sweeney AW. **J Invertebr Pathol** 1983 Sep;42(2):162–6
The fine structure of Culicinomyces clavisporus invading mosquito larvae. Sweeney AW, et al. **J Invertebr Pathol** 1983 Sep;42(2):224–43

PARASITOLOGY

Identification of malaria-infected mosquitoes by a two-site enzyme-linked immunosorbent assay. Burkot TR, et al. **Am J Trop Med Hyg** 1984 Mar;33(2):227–31
First field trial of an immunoradiometric assay for the detection of malaria sporozoites in mosquitoes. Collins FH, et al. **Am J Trop Med Hyg** 1984 Jul;33(4):538–43
Plasmodium berghei: inhibition of the sporogonous cycle by alpha-difluoromethylornithine. Gillet JM, et al. **Exp Parasitol** 1983 Oct;56(2):190–3
Mermithid nematodes in the Anopheles mosquitoes of Bastar district, Madhya Pradesh. Chirwatkar KR, et al. **J Commun Dis** 1983 Jun;15(2):146–8
A preliminary report on entomological studies under PfCP in Zone-I. Kareem MA, et al. **J Commun Dis** 1983 Sep; 15(3):207–8
The anopheline (Diptera: Culicidae) vectors of malaria and bancroftian filariasis in Flores Island, Indonesia. Lee VH, et al. **J Med Entomol** 1983 Oct 5;20(5):577–8
Observations on the infectivity of two strains of Plasmodium

vivax from Vietnamese refugees to Aotus monkeys and anopheline mosquitoes. Collins WE, et al. **J Parasitol** 1983 Aug;69(4):689–95

Susceptibility of Anopheles punctipennis and other Florida mosquitoes to Plasmodium berghei. Nayar JK, et al. **J Parasitol** 1984 Feb;70(1):192–4

Effect of 60Co-irradiation on the development and immunogenicity of Plasmodium berghei sporozoites in Anopheles stephensi mosquitoes. Smrkovski LL, et al. **J Parasitol** 1983 Oct;69(5):814–7

Comparative susceptibility of two strains of Anopheles barbirostris Van Der Wulp 1884 (Diptera: Culicidae) to infection with Brugia malayi. Choochote W, et al. **Southeast Asian J Trop Med Public Health** 1984 Mar; 15(1):135–6

Infectivity to mosquitoes of Plasmodium falciparum clones grown in vitro from the same isolate. Burkot TR, et al. **Trans R Soc Trop Med Hyg** 1984;78(3):339–41

Anopheles (Cellia) balabacensis Baisas is a vector of Wuchereria bancrofti in Sabah, Malaysia [letter] Hii JL, et al. **Trans R Soc Trop Med Hyg** 1984;78(2):281–2

[Experimental study on susceptibility of Anopheles minimus and Anopheles dirus to Plasmodium vivax and Plasmodium falciparum] He DX, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1983;1(2):83–7 (Eng. Abstr.) **(Chi)**

[Biological characteristics of simian malaria model of Plasmodium cynomolgi-Anopheles stephensi system and its response to antimalarials] Dai ZR, et al. **Yao Hsueh Hsueh Pao** 1983 Dec;18(12):881–6 (Eng. Abstr.) **(Chi)**

[Experimental infection of an indigenous strain of Anopheles atroparvus with imported species of Plasmodium] Teodorescu C. **Arch Roum Pathol Exp Microbiol** 1983 Oct-Dec;42(4):365–70 **(Fre)**

PHYSIOLOGY

Measuring flight activity after DDT-irritation of anopheline mosquitoes. Gerold JL. **Acta Leiden** 1980 Dec;48:47–59

Oviposition by African malaria vector mosquitoes. I. Temporal activity patterns of caged, wild-caught, freshwater Anopheles gambiae Giles sensu lato. McCrae AW. **Ann Trop Med Parasitol** 1983 Dec;77(6):615–25

Biting activity and resting behaviour of Anopheles merus Donitz (Diptera: Culicidae) on the Kenya Coast. Mutero CM, et al. **Ann Trop Med Parasitol** 1984 Feb;78(1):43–7

Trophic connections of the Anopheles genus females in the vicinities of Gdańsk. Lachmajer J. **Bull Inst Marit Trop Med Gdynia** 1982;33(1–2):71–80

Bionomics of Anopheles sinensis Wiedmann in Henan Province. Su SZ, et al. **Chin Med J [Engl]** 1983 Sep; 96(9):701–8

Reproductive history of Anopheles ooustani var. tenebrosus (Dönitz.) in the laboratory. el Said S, et al. **J Egypt Soc Parasitol** 1984 Jun;14(1):301–6

A note on adaptation of Anopheles annularis Van Der Wulp, Kanchanaburi, Thailand to free mating in a 30 X 30 X 30 cm cage. Choochote W, et al. **Southeast Asian J Trop Med Public Health** 1983 Dec; 14(4):559–60

Ecological studies on Anopheles gambiae complex sibling species on the Kenya coast. Mosha FW, et al. **Trans R Soc Trop Med Hyg** 1983;77(3):344–5

[Investigation and quantitative analysis of the components of vectorial capacity of Anopheles sinensis] Qian HL, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1984;2(1):3–8 (Eng. Abstr.) **(Chi)**

[Comparisons on life table characteristics among various geographical strains of Anopheles sinensis from Zhengzhou (Henan), Shanghai and Youxi (Fujian)] Su SZ, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1983;1(3):129–33 (Eng. Abstr.) **(Chi)**

[Changes in the rate of insemination of female Anopheles sacharovi Favre. depending on the caging conditions] Rasnitsyn SP, et al. **Med Parazitol (Mosk)** 1984 Jan–Feb; (1):6–10 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

[Scanning electron microscopic observation of Anopheles sinensis Wied ova of various geographic strains] Zhang YH. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1984;2(1):48 **(Chi)**

ANOPHTHALMOS

EMBRYOLOGY

[2 cases of anophthalmos] Legrand J. **Bull Soc Ophtalmol Fr** 1983 Mar;83(3):357–60 **(Fre)**

FAMILIAL & GENETIC

Sex-linked hereditary bilateral anophthalmos. Pathologic and radiologic correlation. Brunquell PJ, et al. **Arch Ophthalmol** 1984 Jan;102(1):108–13

METABOLISM

The appearance of alpha, beta and gamma crystallins in an anophthalmic strain of mice. Webster EH Jr, et al. **Differentiation** 1984;27(1):53–8

PATHOLOGY

Effects of pinealectomy on reproduction in the Syrian hamster mutant anophthalmic white (Wh). Hagen SC, et al. **Am J Anat** 1983 Aug;167(4):523–38

A comparison of visual callosal organization in normal, bilaterally enucleated and congenitally anophthalmic mice. Rhoades RW, et al. **Exp Brain Res** 1984;56(1):92–105

[A rare case of bilateral anophthalmia in the cat] Sensi MP, et al. **Arch Ital Anat Embriol** 1983 Apr-Jun;88(2):113–8 (Eng. Abstr.) **(Ita)**

SURGERY

Repair of the contracted socket using RTV silicone as a stent for mucosal grafting. Paris GL, et al. **Ophthalmic Surg** 1983 Aug;14(8):671–4

[Prosthesis in micro-orbitism and anophthalmia] Olteanu M, et al. **Rev Chir [Oftalmol]** 1983 Apr-Jun;27(2):121–3 (Eng. Abstr.) **(Rum)**

ANOPLURA

Louse infestations of tree shrews (Tupaia glis). Durden LA, et al. **Lab Anim Sci** 1984 Apr;34(2):188–90

[A case of Phthirus pubis of the eyelid] Du YY. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1983;1(3):153 **(Chi)**

PHYSIOLOGY

Maintenance of the crab louse, Pthirus pubis, in the laboratory and behavioural studies using volunteers. Burgess I, et al. **Community Med** 1983 Aug;5(3):238–41

ANORECTICS see APPETITE DEPRESSANTS

ANOREXIA see under APPETITE DISORDERS

ANOREXIA NERVOSA

Anorexia nervosa: an overview. Gross M. **Cleve Clin Q** 1983 Fall;50(3):371–6

Anorexia nervosa and bulimia. French RN Jr, et al. **Indiana Med** 1984 Apr;77(4):241–5 (38 ref.)

Anorexia nervosa in black adolescents. Silber TJ. **J Natl Med Assoc** 1984 Jan;76(1):29–32 (31 ref.)

Anorexia and the adolescent. McNab WL. **J Sch Health** 1983 Sep;53(7):427–30

[Anorexia nervosa (letter)] van de Merwe TJ. **S Afr Med J** 1983 Dec 3;64(24):928 **(Afr)**

[Anorexia nervosa in adolescence] Martínez Valverde A, et al. **An Esp Pediatr** 1983 Sep;19 Suppl 18:145–51 (Eng. Abstr.) **(Spa)**

[Clinical and bibliographical review of anorexia nervosa] Valbuena Briones A, et al. **Med Clin (Barc)** 1983 May 21; 80(18):805–10 (44 ref.) **(Spa)**

BLOOD

Psychoendocrine interaction in anorexia nervosa, and the retreat from puberty: a study of attitudes to adolescent conflict, and luteinizing hormone response to luteinizing hormone releasing factor, in refed anorexia nervosa subjects. Miles SW, et al. **Br J Med Psychol** 1984 Mar;57 (Pt 1):49–56

Thyroid function in altered nutritional state. de Rosa G, et al. **Exp Clin Endocrinol** 1983 Aug;82(2):173–7

The role of endogenous opiates in the mechanism of inhibited luteinizing hormone (LH) secretion in women with anorexia nervosa: the effect of naloxone on LH, follicle-stimulating hormone, prolactin, and beta-endorphin secretion. Baranowska B, et al. **J Clin Endocrinol Metab** 1984 Sep;59(3):412–6

Platelet hyperaggregability and increased alpha-adrenoceptor density in anorexia nervosa. Luck P, et al. **J Clin Endocrinol Metab** 1983 Nov;57(5):911–4

Diminished prolactin response to thyrotropin and insulin in anorexia nervosa. Waldhauser F, et al. **J Clin Endocrinol Metab** 1984 Sep;59(3):538–41

Thyroxine binding and cellular metabolism of thyroxine in mononuclear blood cells from patients with anorexia nervosa. Kvetny J. **J Endocrinol** 1983 Sep;98(3):343–50

Apparent free cortisol concentrations in patients with anorexia nervosa at different stages of the disease. Rolla M, et al. **J Endocrinol Invest** 1984 Jun;7(3):243–7

[Profile of gonadal hormones in 8 cases of male anorexia nervosa studied before and during weight gain] Buvat J, et al. **Ann Endocrinol (Paris)** 1983;44(4):229–34 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Eruptive neurofibromatosis associated with anorexia nervosa. Fitzpatrick JE, et al. **Arch Dermatol** 1983 Dec; 119(12):1019–21

Diabetes mellitus and anorexia nervosa: another view. Brooks SA. **Br J Psychiatry** 1984 Jun;144:640–2

Anorexia nervosa in Down's syndrome—a case report. Cottrell DJ, et al. **Br J Psychiatry** 1984 Aug;145:195–6

Anorexia nervosa [letter] Brincat M, et al. **Br Med J [Clin Res]** 1983 Oct 29;287(6401):1306

Anorexia nervosa associated with energy-wasting disorders. Sreenivasan U. **Can Med Assoc J** 1984 Jan 1;130(1):45–6

Osteopenia in hypoestrogenic young women with anorexia nervosa. Ayers JW, et al. **Fertil Steril** 1984 Feb;41(2):224–8

Anorexia nervosa and nephrolithiasis. Silber TJ, et al. **J Adolesc Health Care** 1984 Jan;5(1):50–2

Development of Cushing's disease in a patient with anorexia nervosa. Kontula K, et al. **J Endocrinol Invest** 1984 Feb; 7(1):35–40

Caffeine toxicity as a cause of acute psychosis in anorexia nervosa. Shaul PW, et al. **J Pediatr** 1984 Sep;105(3):493–5

Anorexia nervosa presenting as reversible hypoglycaemic coma. Zalin AM, et al. **J R Soc Med** 1984 Mar;77(3):193–5

Hypothermia in a patient with anorexia nervosa. Smith DK, et al. **Metabolism** 1983 Dec;32(12):1151–4

Perimolysis in a patient diagnosed with anorexia nervosa: case report. King TM, et al. **Milit Med** 1983 Aug; 148(8):676–7

Anorexia nervosa and juvenile diabetes mellitus [editorial] Handelsman MB. **NY State J Med** 1984 Feb;84(2):58–9

Anorexia nervosa in a patient with juvenile diabetes [letter] Hardoff D, et al. **NY State J Med** 1984 Feb;84(2):61

Bulimia, anorexia nervosa, and diabetes. Deadly combinations. Hillard JR, et al. **Psychiatr Clin North Am** 1984 Jun;7(2):367–79

Phenomenologic relationship of eating disorders to major affective disorder. Hudson JI, et al. **Psychiatry Res** 1983 Aug;9(4):345–54

[Anorexia nervosa and growth retardation] Jeammet P, et al. **Neuropsychiatr Enfance Adolesc** 1984 May-Jun; 32(5–6):221–39 (Eng. Abstr.) **(Fre)**

[Cerebral and cerebellar atrophy in anorexia nervosa] Berant M, et al. **Harefuah** 1984 Mar 1;106(5):212–3 (Eng. Abstr.) **(Heb)**

[Anorexia nervosa with spontaneous pneumothorax] Motohashi Y, et al. **Horumon To Rinsho** 1983 Sep; 31(9):857–60 **(Jpn)**

[Bilateral asymptomatic enlargement of salivary glands in a male patient with anorexia nervosa] Kano T, et al. **Nippon Naika Gakkai Zasshi** 1984 Jan;73(1):94–9 **(Jpn)**

[Anorexia nervosa and hormonal disorders (review)] Balabolki.. MI, et al. **Zh Nevropatol Psikhiatr** 1984; 84(4):603–6 (33 ref.) **(Rus)**

DIAGNOSIS

Urinary excretion of methylated nucleosides in different states of failure to thrive. Clemens P, et al. **Adv Exp Med Biol** 1984;165 Pt A:297–300

The diagnostic challenge of anorexia nervosa. McSherry JA. **Am Fam Physician** 1984 Feb;29(2):141–5

Hematologic abnormalities simulating anorexia nervosa in an obligatory athlete. Liberman RB, et al. **Am J Med** 1984 May;76(5):950–2

Differentiating anorectic and nonanorectic patients with eating disorders [letter] Ingelmo J, et al. **Am J Psychiatry** 1984 Sep;141(9):1129

Anorexia nervosa and depression—reconsidering diagnostic criteria [letter] Levy AB, et al. **Br J Psychiatry** 1984 Jul; 145:92–3

Anorexia nervosa. Crisp AH. **Br Med J [Clin Res]** 1983 Sep 24;287(6396):855–8 (38 ref.)

Quetelet index in diagnosis of anorexia nervosa [letter] Khosla T. **Br Med J [Clin Res]** 1984 Aug 25;289(6443):497

Quetelet index in diagnosis of anorexia nervosa. Llewellyn-Jones D, et al. **Br Med J [Clin Res]** 1984 Jun 16;288(6433):1800

Anorexia nervosa and bulimia in dancers. Accurate diagnosis and treatment planning. Maloney MJ. **Clin Sports Med** 1983 Nov;2(3):549–55

Anorexia nervosa in a 45-year-old man. Black DW, et al. **J Clin Psychiatry** 1984 Sep;45(9):405–6

Anorexia nervosa and bulimia. Smith MS. **J Fam Pract** 1984 May;18(5):757– (59 ref.)

Over-diagnosis of anorexia nervosa? [letter] Farber IJ. **NY State J Med** 1984 May;84(5):228

Anorexia nervosa and binge vomiting. Collipp PJ. **Pediatr Ann** 1984 Jul;13(7):538–42

Anorexia nervosa—thinness as illness. Provenzale JM. **Postgrad Med** 1983 Oct;74(4):83–9

The basis for the diagnosis of anorexia nervosa. Muñoz RA. **Psychiatr Clin North Am** 1984 Jun;7(2):215–21

The state of research in anorexia nervosa and bulimia. Halmi KA. **Psychiatr Dev** 1983 Autumn;1(3):247–62 (75 ref.)

Screening for abnormal eating attitudes and psychiatric morbidity in an unselected population of 15-year-old schoolgirls. Mann AH, et al. **Psychol Med** 1983 Aug; 13(3):573–80

The significance of subclassification in anorexia nervosa: a comparative study of clinical features in 141 patients. Vandereycken W, et al. **Psychol Med** 1983 Aug;13(3):543–9

Anorexia nervosa in the male: an underdiagnosed disorder. Andersen AE, et al. **Psychosomatics** 1983 Dec; 24(12):1066–75

Anorexia nervosa-like disorders—some suggestions. Swartz L. **S Afr Med J** 1983 Sep 24;64(13):478–80 (30 ref.)

Early onset anorexia nervosa. Irwin M. **South Med J** 1984 May;77(5):611–4

[A case of atypical male anorexia nervosa: a tumor in the area of the 3d ventricle] Biebl W, et al. **Nervenarzt** 1984 May;55(5):265–8 **(Ger)**

DIET THERAPY

Dietary treatment of anorexia nervosa. Huse DM, et al. **J Am Diet Assoc** 1983 Dec;83(6):687–90

DRUG THERAPY

The effect of D-Trp6-LRH upon secretion of gonadotrophin--a possible therapeutic application in anorexia nervosa. Zgliczyński S, et al. **Acta Endocrinol (Copenh)** 1984 Feb;105(2):161–6

Zinc and anorexia nervosa [letter] Safai-Kutti S, et al. **Ann Intern Med** 1984 Feb;100(2):317–8

Neuroleptics in the short-term treatment of anorexia nervosa. A double-blind placebo-controlled study with sulpiride. Vandereycken W. **Br J Psychiatry** 1984 Mar;144:288–92

Anorexia nervosa [letter] Brown S, et al. **Br Med J [Clin Res]** 1983 Nov 19;287(6404):1552

Drug therapy of anorexia nervosa. Ossofsky HJ. **Curr Psychiatr Ther** 1983;22:119–25

Case of anorexia nervosa responding to zinc sulphate [letter] Bryce-Smith D, et al. **Lancet** 1984 Aug 11;2(8398):350

Anorexia nervosa. Current perspectives in research. Rockwell WJ, et al. **Psychiatr Clin North Am** 1984 Jun; 7(2):223–33

[Noradrenergic hypothesis in anorexia nervosa: prospective study using beta-stimulant therapy] Lang F, et al. **Ann Med Psychol (Paris)** 1983 Sep-Oct;141(8):918–25 (Eng. Abstr.) **(Fre)**

[Remarkably improved case of anorexia nervosa with TRH therapy] Ichimura K, et al. **Horumon To Rinsho** 1983 Jun; 31 Suppl:33–7 **(Jpn)**

ETIOLOGY

Anorexia nervosa [letter] Thompson MK. **Br Med J [Clin Res]** 1983 Oct 15;287(6399):1142–3

Stress-induced anorexia: implications for anorexia nervosa. Donohoe TP. **Life Sci** 1984 Jan 16;34(3):203–18 (126 ref.)

Anorexia following use of extension brace [letter] **Psychosomatics** 1984 Jun;25(6):493–4

[Anorexia nervosa as a manifestation of endogenous depression in puberty] Sorokina TT, et al. **Zh Nevropatol Psikhiatr** 1983;83(8):1195–8 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

High frequency of HLA-Bw16 in patients with anorexia nervosa. Biederman J, et al. **Am J Psychiatry** 1984 Sep; 141(9):1109–10

Anorexia nervosa: a transgenerational system perspective. White M. **Fam Process** 1983 Sep;22(3):255–73

Eating attitudes and behaviors of anorexia nervosa patients and their sisters. Maloney MJ, et al. **Gen Hosp Psychiatry** 1983 Dec;5(4):285–8

Bipolar illness preceded by anorexia nervosa in identical twins. Hsu LK, et al. **J Clin Psychiatry** 1984 Jun; 45(6):262–6

A comparison of characteristics in the families of patients with anorexia nervosa and normal controls. Garfinkel PE, et al. **Psychol Med** 1983 Nov;13(4):821–8

HISTORY

Richard Morton, 1637–1698. Limner of anorexia nervosa: his life and times. A tercentenary essay. Silverman JA. **JAMA** 1983 Nov 25;250(20):2830–2

The diseases called chlorosis. Loudon I. **Psychol Med** 1984 Feb;14(1):27–36

METABOLISM

Total body water and total body potassium in anorexia nervosa. Dempsey DT, et al. **Am J Clin Nutr** 1984 Aug; 40(2):260–9

Energy expenditure in primary malnutrition during standardized exercise. Bruce V, et al. **Am J Phys Med** 1984 Aug;63(4):165–74

Abnormalities in CNS monoamine metabolism in anorexia nervosa. Kaye WH, et al. **Arch Gen Psychiatry** 1984 Apr; 41(4):350–5

Endocrine study of anorexia nervosa. de Rosa G, et al. **Exp Clin Endocrinol** 1983 Aug;82(2):160–72

OCCURRENCE

Anorexia nervosa and bulimia among 300 suburban women shoppers. Pope HG Jr, et al. **Am J Psychiatry** 1984 Feb; 141(2):292–4

Male anorexia nervosa: a review of nine patients. Sheppard NP, et al. **Ir Med J** 1984 Jan;77(1):4–8

[Concise data on 1100 clinically treated patients with anorexia nervosa] Hoogendoorn D. **Ned Tijdschr Geneeskd** 1983 Sep 3;127(36):1631–3 (Eng. Abstr.) **(Dut)**

PHYSIOPATHOLOGY

Infant of a pregnancy complicated by anorexia nervosa. Strimling BS. **Am J Dis Child** 1984 Jan;138(1):68–9

Is there a relationship between eating disorder and affective disorder? New evidence from sleep recordings. Katz JL, et al. **Am J Psychiatry** 1984 Jun;141(6):753–9

Electrophysiologic abnormalities in patients with eating disorders. Grebb JA, et al. **Compr Psychiatry** 1984 Mar-Apr;25(2):216–24

Altered exercise performance and abnormal sympathetic responses to exercise in patients with anorexia nervosa. Nudel DB, et al. **J Pediatr** 1984 Jul;105(1):34–7

Hypothalamic dysfunction and symptoms of anorexia nervosa. Casper RC. **Psychiatr Clin North Am** 1984 Jun; 7(2):201–13

Opioid involvement in anorexia nervosa [letter] Gillman MA, et al. **S Afr Med J** 1984 Jan 7;65(1):4

[Endocrine study of growth retardation in anorexia nervosa] Czernichow P. **Neuropsychiatr Enfance Adolesc** 1984 May-Jun;32(5-6):241-3 (Eng. Abstr.) **(Fre)**

[Hypothalamic function in anorexia nervosa] Nakai Y, et al. **Nippon Rinsho** 1983 May;41(5):1041-7 (11 ref.) **(Jpn)**

PSYCHOLOGY

Dietary patterns in anorexia nervosa. Huse DM, et al. **Am J Clin Nutr** 1984 Aug;40(2):251-4

Death from ipecac intoxication in a patient with anorexia nervosa. Friedman EJ. **Am J Psychiatry** 1984 May; 141(5):702-3

Alcohol and food abuse: some comparisons. Scott DW. **Br J Addict** 1983 Dec;78(4):339-49

Hoarding in anorexia nervosa. Frankenburg FR. **Br J Med Psychol** 1984 Mar;57 (Pt 1):57-60

Psychological correlates of weight control among anorexia nervosa patients and normal girls. Huon G, et al. **Br J Med Psychol** 1984 Mar;57 (Pt 1):61-6

Happy families? Heron JM, et al. **Br J Psychiatry** 1984 Aug; 145:136-8

Body image disturbance in anorexia nervosa [letter] Szmukler G. **Br J Psychiatry** 1984 May;144:553

Body shape perception and its disturbance in anorexia nervosa. Touyz SW, et al. **Br J Psychiatry** 1984 Feb; 144:167-71

An overview of the etiology, diagnosis, and management of anorexia nervosa. Golden N, et al. **Clin Pediatr (Phila)** 1984 Apr;23(4):209-14

Anorexia nervosa as a case of complex instrumental conditioning. Wyrwicka W. **Exp Neurol** 1984 Jun; 84(3):579-89

Anorexia nervosa in black adolescents. Pumariega AJ, et al. **J Am Acad Child Psychiatry** 1984 Jan;23(1):111-4

Intellect, perceptual characteristics, and weight gain in anorexia nervosa. Small A, et al. **J Clin Psychol** 1983 Sep; 39(5):780-2

Organization of needs in anorectic, bulimic, and obese college women. Ondercin PA. **J Pers Assess** 1984 Apr;48(2):162-7

Postadolescent onset male anorexia. Kiecolt-Glaser J, et al. **J Psychosoc Nurs Ment Health Serv** 1984 Jan;22(1):11-3, 17-20

Anorexia nervosa--a preventable illness? McSherry JA. **J R Soc Health** 1983 Dec;103(6):207-9

Is running an analogue of anorexia nervosa? An empirical study of obligatory running and anorexia nervosa. Blumenthal JA, et al. **JAMA** 1984 Jul 27;252(4):520-3

Eating disorders: a teen-age epidemic. Brockopp DY, et al. **Nurse Pract** 1984 Apr;9(4):32, 34-5

Anorexic syndromes and affective disorder. Wold PN. **Psychiatr J Univ Ottawa** 1983 Sep;8(3):116-9

A modified video camera for measuring body image distortion: technical description and reliability. Freeman RJ, et al. **Psychol Med** 1984 May;14(2):411-6

A speculative illness model of over-eating and anorexia nervosa. Bachmann M, et al. **Psychol Rep** 1983 Dec;53(3 Pt 1):831-8

Comparison between weight-preoccupied women and anorexia nervosa. Garner DM, et al. **Psychosom Med** 1984 May-Jun;46(3):255-66

Quantitative assessment of psychologic state of patients with anorexia nervosa or bulimia: response to caloric stimulus. Robinson RG, et al. **Psychosom Med** 1983 Aug; 45(4):283-92

Onset of anorexia nervosa after prolonged use of the Milwaukee brace. Bernstein AE, et al. **Psychosomatics** 1983 Nov;24(11):1033-4

Field dependence in young anorectic and obese women. Basseches HI, et al. **Psychother Psychosom** 1984;41(1):33-7

The psychopathology of anorexia nervosa: getting the 'heat' out of the system. Crisp AH. **Res Publ Assoc Res Nerv Ment Dis** 1984;62:209-34

[Anorexia nervosa in boys] Tridon P, et al. **Acta Paedopsychiatr (Basel)** 1983 Dec;49(6):311-9 (Eng. Abstr.) **(Fre)**

[Anorexia nervosa. A clinical and psychometric study] Guelfi JD, et al. **Ann Med Psychol (Paris)** 1983 Apr;141(4):381-403 (Eng. Abstr.) **(Fre)**

[The family in male anorexia nervosa] Albert E, et al. **Neuropsychiatr Enfance Adolesc** 1984 May-Jun; 32(5-6):309-13 (Eng. Abstr.) **(Fre)**

[Anorexia nervosa: body image again] Golse B, et al. **Neuropsychiatr Enfance Adolesc** 1984 May-Jun; 32(5-6):263-5 (Eng. Abstr.) **(Fre)**

[The family of anorexia nervosa patients. The viewpoint of a somatist] Luton JP. **Neuropsychiatr Enfance Adolesc** 1984 May-Jun;32(5-6):305-7 (Eng. Abstr.) **(Fre)**

[Tom Thumb... and daily bread] Puyuelo R. **Neuropsychiatr Enfance Adolesc** 1984 May-Jun; 32(5-6):259-62 (Eng. Abstr.) **(Fre)**

[2 anorexic patients on a single scale: the tare and counterbalance] Rouam F, et al. **Neuropsychiatr Enfance Adolesc** 1984 May-Jun; 32(5-6):315-9 (Eng. Abstr.) **(Fre)**

[Anorexia nervosa in the male adolescent. Observations and theoretical comments] Schmit G, et al. **Neuropsychiatr Enfance Adolesc** 1984 May-Jun; 32(5-6):245-57 (Eng. Abstr.) **(Fre)**

[At a glance it is a question of anorexia nervosa] Thouzery-Loras C. **Neuropsychiatr Enfance Adolesc** 1984 May-Jun;32(5-6):267-79 (Eng. Abstr.) **(Fre)**

[Anorexia nervosa and ethology] Viret C. **Praxis** 1983 Sep 20;72(38):1209-14 (Eng. Abstr.) **(Fre)**

[Late primary anorexias--thoughts on an integrative psychopathology] Böning J. **Psychother Psychosom Med Psychol** 1984 May;34(5):97-105 (Eng. Abstr.) **(Ger)**

[Bulimia nervosa: a syndrome of addictive eating behavior] Brand-Jacobi J. **Psychother Psychosom Med Psychol** 1984 Jul;34(7):151-60 (Eng. Abstr.) **(Ger)**

[Interplay of social, intrapsychological and biological factors for the etiopathogenesis of anorexia nervosa] Ehle G. **Schweiz Arch Neurol Neurochir Psychiatr** 1984; 134(1):81-91 (Eng. Abstr.) **(Ger)**

[Indications for music therapy in psychosomatic diseases] Janicki AG. **Pol Tyg Lek** 1984 Feb 13;39(7):237-41 (42 ref.) **(Pol)**

THERAPY

A prospective study of 133 patients with anorexia nervosa treatment and outcome. Bassøe HH, et al. **Acta Psychiatr Scand** 1982 Feb;65(2):127-33

Weight gain and nutritional efficacy in anorexia nervosa. Dempsey DT, et al. **Am J Clin Nutr** 1984 Feb;39(2):236-42

Eating disorders. Avoiding the power struggle. Sanger E, et al. **Am J Nurs** 1984 Jan;84(1):30-3

Management and outcome in anorexia nervosa. A standardized prognostic study. Morgan HG, et al. **Br J Psychiatry** 1983 Sep;143:282-7

A comparison of lenient and strict operant conditioning programmes in refeeding patients with anorexia nervosa. Touyz SW, et al. **Br J Psychiatry** 1984 May;144:517-20

Anorexia nervosa and bulimia: diagnosis and comprehensive treatment. Andersen AE. **Compr Ther** 1983 Nov;9(11):9-17 (14 ref.)

Total parenteral nutrition in anorexia nervosa. Pertschuk MJ, et al. **Curr Psychiatr Ther** 1983;22:207-14

Correcting perceptual abnormalities, anorexia nervosa and obesity by use of hypnosis. Gross M. **J Am Soc Psychosom Dent Med** 1983;30(4):142-50

Outpatient treatment of primary anorexia nervosa in adult males. Ziesat HA Jr, et al. **J Clin Psychol** 1984 May; 40(3):680-90

An experimental analysis of the interaction of chemotherapy and behavior therapy in anorexia nervosa. Munford PR, et al. **J Nerv Ment Dis** 1984 Apr;172(4):228-31

A one-year followup study of adolescent patients hospitalized with anorexia nervosa. Colligan RC, et al. **JDBP** 1983 Dec;4(4):278-9

An inpatient model for the treatment of eating disorders. Larocca FE. **Psychiatr Clin North Am** 1984 Jun;7(2):287-98

The function of self-help groups in recovery from anorexia nervosa and bulimia. Rubel JA. **Psychiatr Clin North Am** 1984 Jun;7(2):381-94

Outpatient treatment of anorexia nervosa. Sargent J, et al. **Psychiatr Clin North Am** 1984 Jun;7(2):235-45

The role of social work in a model self-help organization. Wempner MP. **Psychiatr Clin North Am** 1984 Jun; 7(2):395-404

Inpatient treatment of anorexia nervosa. Powers PS, et al. **Psychosomatics** 1984 Jul;25(7):512-27

Psychotherapeutic effects by audiovisual heteroconfrontation in a case of anorexia nervosa. Badura HO, et al. **Psychother Psychosom** 1984;41(1):1-6

Current therapy of eating disorders I: Anorexia nervosa. Tan TL, et al. **Ration Drug Ther** 1984 Jan;18(1):1-6

The treatment of anorexia nervosa: do different treatments have different outcomes? Agras WS, et al. **Res Publ Assoc Res Nerv Ment Dis** 1984;62:193-207

[Treatment of anorexia nervosa] Mustajoki P. **Duodecim** 1984; 100(1):46-9 **(Fin)**

[Outcome of anorexia nervosa] Jeammet P, et al. **Neuropsychiatr Enfance Adolesc** 1984 Feb-Mar; 32(2-3):97-113 (Eng. Abstr.) **(Fre)**

[The parents' group: its role in the treatment of anorexia nervosa] Jeammet P. **Neuropsychiatr Enfance Adolesc** 1984 May-Jun;32(5-5):299-303 (Eng. Abstr.) **(Fre)**

[Family therapy and individual therapy in a case of anorexia nervosa] Snakkers J. **Neuropsychiatr Enfance Adolesc** 1984 May-Jun;32(5-6):281-9 (Eng. Abstr.) **(Fre)**

[Psychoanalytic viewpoint on the individual and family treatment of anorexia nervosa] Stelzer J. **Neuropsychiatr Enfance Adolesc** 1984 May-Jun; 32(5-6):291-8 (Eng. Abstr.) **(Fre)**

[A case of anorectic dwarfism, its methods of care and their theories] Rabreau JP. **Sem Hop Paris** 1983 Sep 22-59(33):2317-27 (Eng. Abstr.) **(Fre)**

[Anorexia nervosa. A catamnestic analysis] Kolb S, et al. **Dtsch Med Wochenschr** 1984 May 25;109(21):824-8 (Eng. Abstr.) **(Ger)**

[Long-term course of anorexia nervosa] Steinhausen HC, et al. **Nervenarzt** 1984 May;55(5):236-48 **(Ger)**

[Anorexia nervosa--a therapeutic double-bind? A summary following 13 years of ambulatory therapy] Klessmann E, et al. **Prax Kinderpsychol Kinderpsychiatr** 1983 Oct; 32(7):257-61 (Eng. Abstr.) **(Ger)**

[Anorexia nervosa and psychotherapy: current orientation] Lorini T. **Clin Ter** 1983 Jul 15;106(1):65-8 (Eng. Abstr.) **(Ita)**

URINE

Urinary mhpg in anorexia nervosa patients with and without a concomitant major depressive disorder. Biederman J, et al. **J Psychiatr Res** 1984;18(2):149–60

ANOSMIA

COMPLICATIONS

Kallmann's syndrome. Karandikar NG, et al. **J Assoc Physicians India** 1983 Sep;31(9):608–9

[Intermittent small dosage administration of LH-RH in Kallmann syndrome] Fujieda K, et al. **Hormon To Rinsho** 1983 Jun;31 Suppl:51–4 **(Jpn)**

[Annulo-aortic ectasia associated with Kallmann's syndrome] Tobe M, et al. **Kyobu Geka** 1983 Sep;36(9):745–8 (Eng. Abstr.) **(Jpn)**

[Kallmann's (olfacto-genital) syndrome—a case report] Koike H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Jun;36(6):973–6 **(Jpn)**

DIAGNOSIS

Clinical evaluation of olfaction. Cain WS, et al. **Am J Otolaryngol** 1983 Jul–Aug;4(4):252–6

Assessment of anosmia. Soni NK, et al. **J Assoc Physicians India** 1983 Jan;31(1):25–6

University of Pennsylvania Smell Identification Test: a rapid quantitative olfactory function test for the clinic. Doty RL, et al. **Laryngoscope** 1984 Feb;94(2 Pt 1):176–8

Olfactometry in Japan. Zusho H. **Rhinology** 1983 Sep; 21(3):281–5

Clinical testing of taste and olfaction. Lawless H, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1983 Fall; 36(2):190–6

[Objective olfactory test using CNV (contingent negative variation)] Suzuki H. **Nippon Jibiinkoka Gakkai Kaiho** 1984 Jan;87(1):1–15 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Reversible anosmia after pituitary irradiation. Carmichael KA, et al. **Ann Intern Med** 1984 Apr;100(4):532–3

Olfactory meningiomas. The missed diagnosis. Bakay L. **JAMA** 1984 Jan 6;251(1):53–5

Olfactory functioning in temporal lobectomy patients. Eskenazi B, et al. **Neuropsychologia** 1983;21(4):365–74

[Anosmia as a symptom of incipient Pick's atrophy?] Kretschmar JH. **Z Gerontol** 1984 May–Jun;17(3):126–7 (Eng. Abstr.) **(Ger)**

[Occupational damage of the sense of smell] Szmeja Z, et al. **Med Pr** 1984;35(1):47–9 (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

Effect of zinc sulphate–induced anosmia on estrous cycle of the laboratory mice. Gangrade BK, et al. **Indian J Exp Biol** 1983 Aug;21(8):425–7

ANOVULATION

Graafian follicle growth and replacement in anovulatory ovaries of ageing C57BL/6J mice. Gosden RG, et al. **J Reprod Fertil** 1983 Nov;69(2):453–62

BLOOD

The prevalence and significance of elevated dehydroepiandrosterone sulfate levels in anovulatory women. Hoffman DI, et al. **Fertil Steril** 1984 Jul; 42(1):76–81

CHEMICALLY INDUCED

Anovulation in female rats induced by neonatal administration of the catechol estrogens, 2–hydroxy–estradiol and 4–hydroxy–estradiol. MacLusky NJ, et al. **Neuroendocrinology** 1983 Nov;37(5):321–7

COMPLICATIONS

Reduced pregnancy rates in AID women with unsuspected ovulatory failure. Dalrymple JC, et al. **Clin Reprod Fertil** 1983 Mar;2(1):27–32

Anovulation and cancer [letter] Speroff L. **Obstet Gynecol** 1984 [illegible];63(2):269–70

DIAGNOSIS

Interpretation of single progesterone measurement in diagnosis of anovulation and defective luteal phase [letter] Jeffcoate SL. **Br Med J [Clin Res]** 1984 Mar 17; 288(6420):864

Interpretation of single progesterone measurement in diagnosis of anovulation and defective luteal phase: observations on analysis of the normal range. Wathen NC, et al. **Br Med J [Clin Res]** 1984 Jan 7;288(6410):7–9

[Clinical and hormonal changes in women with anovulatory cycles] Ivanov S, et al. **Akush Ginekol (Sofiia)** 1983; 22(3):189–95 (Eng. Abstr.) **(Bul)**

[Hormone levels, celioscopy and ovarian histology in the hirsutism–anovulation syndrome] Buvat J, et al. **Presse Med** 1983 Dec 17;12(46):2919–23 (Eng. Abstr.) **(Fre)**

[Study on human pituitary gonadotropin synthesis and release in amenorrhea and anovulation by LH–RH two step test] Yokokura T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 May; 36(5):719–26 (Eng. Abstr.) **(Jpn)**

DRUG THERAPY

Induction of luteal phase defect with clomiphene citrate. Cook CL, et al. **Am J Obstet Gynecol** 1984 Jul 15; 149(6):613–6

Clomiphene citrate: nuances of clinical application. Corson SL, et al. **Clin Reprod Fertil** 1983 Mar;2(1):1–17

A randomized study of dexamethasone in ovulation induction with clomiphene citrate. Daly DC, et al. **Fertil Steril** 1984 Jun;41(6):844–8

Current status of ovulation induction with clomiphene citrate. Thorneycroft IH. **Fertil Steril** 1984 Jun;41(6):806–8

[Use of lisuride in the treatment of anovulatory disorders with prolactinemia] Uzel R, et al. **Cesk Gynekol** 1984 Apr; 49(3):186–90 (Eng. Abstr.) **(Cze)**

[Anovulatory sterility. Treatment with human menopausal gonadotropin and human chorionic gonadotropin] Espersen T, et al. **Ugeskr Laeger** 1984 Feb 27;146(9):640–3 (Eng. Abstr.) **(Dan)**

[Studies on the induction of ovulation by metergoline in women with normoprolactinemic anovulation] Ohkura T, et al. **Nippon Naibunpi Gakkai Zasshi** 1983 May 20; 59(5):756–73 (Eng. Abstr.) **(Jpn)**

[Evaluation of the effectiveness of Epimestrol (Stimovul–Organon) in the treatment of anovulation in group II female sterility according to the WHO classification] Zrubek H, et al. **Ginekol Pol** 1983 Apr; 54(4):281–4 (Eng. Abstr.) **(Pol)**

ETIOLOGY

Anovulatory uterine bleeding. Poindexter AN, et al. **Compr Ther** 1983 Dec;9(12):65–71 (10 ref.)

Anovulation presumably due to the gonadotrophin–resistant ovary syndrome. Lim HT, et al. **Eur J Obstet Gynecol Reprod Biol** 1984 Jan;16(5):327–37

METABOLISM

Correlation of inhibin and follicle regulatory protein activities with follicular fluid steroid levels in anovulatory patients. diZerega GS, et al. **Fertil Steril** 1984 Jun;41(6):849–55

PATHOLOGY

Unexplained infertility: a new syndrome: multiple immature luteinized follicles (MILF) syndrome. Delafontaine D, et al. **Acta Eur Fertil** 1983 Jul–Aug;14(4):285–6

PHYSIOPATHOLOGY

Nature of the light stimulus producing Aschoff's intensity effect and anovulation. Ferraro JS, et al. **Am J Physiol** 1984 Aug;247(2 Pt 2):R296–301

Primary hyperprolactinaemia and chronic anovulation: pathophysiology and management. Judd SJ. **Clin Reprod Fertil** 1982 Jun;1(2):95–116 (152 ref.)

The relationship of exercise to anovulatory cycles in female athletes: hormonal and physical characteristics. Russell JB, et al. **Obstet Gynecol** 1984 Apr;63(4):452–6

THERAPY

[Effect of mud therapy at Pomoriye on tubal and anovulatory sterility] Trepechov S, et al. **Akush Ginekol (Sofiia)** 1984; 23(2):148–51 (Eng. Abstr.) **(Bul)**

VETERINARY

Clinical and endocrinological investigation of possible ovulatory failure in a dairy cow. Watson ED, et al. **Vet Rec** 1984 Apr 28;114(17):424–5

ANOXEMIA

BLOOD

The effect of insulin on ovine fetal oxygen extraction. Milley JR, et al. **Am J Obstet Gynecol** 1984 Jul 15;149(6):673–8

Plasma catecholamines during hypoxemia and hypercapnia [letter] O'Brodovich H. **Am J Physiol** 1984 Aug;247(2 Pt 2):H341–2

Influence of hypercapnia and/or hypoxemia and metabolic acidosis on theophylline kinetics in the conscious rabbit. Letarte L, et al. **Am Rev Respir Dis** 1984 May;129(5):762–6

Dialysis hypoxemia: the role of fibronectin and its pathophysiological implication. Schwarz HP, et al. **Contrib Nephrol** 1984;37:107–10

Factors controlling aldosterone secretion during hypoxemia in fetal lambs. Robillard JE, et al. **Pediatr Res** 1984 Jul; 18(7):607–11

CHEMICALLY INDUCED

Relation of inspired oxygen fraction to hypoxemia in mechanically ventilated adults. Baigelman W, et al. **Crit Care Med** 1984 Jun;12(6):486–8

Chest pain and hypoxemia from inhalation of a trichloroethane aerosol product. Woo OF, et al. **J Toxicol Clin Toxicol** 1983 Jun;20(4):333–41

[Bronchial asthma and bronchodilators: paradoxic hypoxemia. Mechanism of action and clinical importance] Rodríguez–Roisin R. **Med Clin (Barc)** 1984 Jan 21; 82(2):77–82 **(Spa)**

COMPLICATIONS

Mechanisms underlying pulmonary hypertension by hypoxemia. Condorelli M, et al. **Adv Exp Med Biol** 1984; 164:309–23

Platelets, hypoxemia and pulmonary hypertension. Nenci GG. **Adv Exp Med Biol** 1984;164:325–33

Does chronic hypoxemia cause brain injury? Volpe BT. **Arch Intern Med** 1983 Oct;143(10):1866–7

Hypoxemia in attack free asthmatic children: relationship with lung volumes and lung mechanics. Wolf B, et al. **Bull Eur Physiopathol Respir** 1983 Sep–Oct;19(5):471–6

Hypoxemia during apnea in normal subjects: mechanisms and impact of lung volume. Findley LJ, et al. **J Appl Physiol** 1983 Dec;55(6):1777–83

[The effect of variable periods of anoxemia on the longitudinal growth of bone] Graf P, et al. **Unfallheilkunde** 1984 Jun;87(6):251–5 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Clinical and echocardiographic evidence suggesting afterload reduction as a mechanism of action of tolazoline in neonatal hypoxemia. Sandor GG, et al. **Pediatr Cardiol** 1984 Apr–Jun;5(2):93–9

[Postero–lateral hernia of the left diaphragmatic coupola in the newborn. Recovery from refractory hypoxemia with nifedipine (letter)] Durand JP, et al. **Presse Med** 1983 Oct 1;12(34):2114 **(Fre)**

ETIOLOGY

Respiratory complications following surgery. Improved prediction with preoperative spirometry. Wirén JE, et al. **Acta Anaesthesiol Scand** 1983 Dec;27(6):476–9

Hypoxemia associated with feeding in the preterm infant and full–term neonate. Rosen CL, et al. **Am J Dis Child** 1984 Jul;138(7):623–8

The effect of lumbar puncture position in sick neonates. Weisman LE, et al. **Am J Dis Child** 1983 Nov; 137(11):1077–9

Arterial hypoxemia in patients with hepatic cirrhosis. Furukawa T, et al. **Am J Med Sci** 1984 May–Jun; 287(3):10–3

Hypoxemia during hemodialysis using acetate versus bicarbonate dialysate. Abu–Hamdan DK, et al. **Am J Nephrol** 1984;4(4):248–53

Postural hypoxemia in the postpneumonectomy patient. Franco DP, et al. **Am Rev Respir Dis** 1984 Jun; 129(6):1021–2

The mechanisms of arterial hypoxemia during hemodialysis. Romaldini H, et al. **Am Rev Respir Dis** 1984 May; 129(5):780–4

Air travel hypoxemia with chronic obstructive pulmonary disease. Schwartz JS, et al. **Ann Intern Med** 1984 Apr; 100(4):473–7

Leukopenia, hypoxemia, and complement activation during a single hemoperfusion. Taccone–Gallucci M, et al. **Artif Organs** 1984 May;8(2):145–50

Observations on the mechanism of hypoxaemia in acute minor pulmonary embolism. Burton GH, et al. **Br Med J [Clin Res]** 1984 Aug 4;289(6440):276–9

Hypoxemia during hemodialysis: effect of different membranes and dialysate compositions. De Backer WA, et al. **Contrib Nephrol** 1984;37:134–41

Leukopenia, hypoxemia and complement activation during a single hemoperfusion. Perricone R, et al. **Contrib Nephrol** 1984;37:101–6

Mechanisms producing hypoxemia during hemodialysis. Quebbeman EJ, et al. **Crit Care Med** 1984 Apr;12(4):359–63

Hypoxemia during hemodialysis. Nath CR. **J Natl Med Assoc** 1984 Jun;76(6):627–9

Dangerous hypoxaemia during continuous positive airway pressure treatment of obstructive sleep apnoea [letter] Krieger J, et al. **Lancet** 1983 Dec 17;2(8364):1429–30

Dialysis–induced hypoxemia. Continuous monitoring of blood oxygen and carbon dioxide tension in children. Schurr D, et al. **Nephron** 1984;37(2):105–7

Panting in the emu causes arterial hypoxemia. Jones JH, et al. **Respir Physiol** 1983 Nov;54(2):189–95

[Hypoxemia in hemodialysis: hemodynamic mechanism? Hemodynamic and spirometric study using acetate and bicarbonate buffers] Branger B, et al. **Nephrologie** 1983; 4(4–5):190–3 (Eng. Abstr.) **(Fre)**

[Pulmonary shunt in the genesis of postoperative hypoxemia in late middle–aged and elderly patients] Petrova MM. **Anesteziol Reanimatol** 1984 May–Jun;(3):19–23 (Eng. Abstr.) **(Rus)**

[Pathogenesis and treatment of hypoxemia in acute pneumonia] Dukov LG. **Sov Med** 1984;(1):68–72 (66 ref.) **(Rus)**

[Central hypoventilation as a cause of hypoxemia during hemodialysis. Effects of acetazolamide administration] Gómez Fernández P, et al. **Rev Clin Esp** 1983 Dec 15; 171(5):309–12 (Eng. Abstr.) **(Spa)**

METABOLISM

Erythropoietin and intrarenal oxygenation in hypercapnic versus normocapnic hypoxemia. Baker R, et al. **Adv Exp Med Biol** 1984;169:597–609

Renal oxygen delivery and consumption during progressive

hypoxemia in the anesthetized dog. Gotshall RW, et al. **Proc Soc Exp Biol Med** 1983 Dec;174(3):363–7

PHYSIOPATHOLOGY

Responses of the growth-retarded fetus to acute hypoxemia. Block BS, et al. **Am J Obstet Gynecol** 1984 Apr 1; 148(7):878–85

Circulatory and humoral responses of sympathectomized fetal sheep to hypoxemia. Iwamoto HS, et al. **Am J Physiol** 1983 Nov;245(5 Pt 1):H767–72

Antidiuresis and vasopressin release with hypoxemia and hypercapnia in conscious dogs. Rose CE Jr, et al. **Am J Physiol** 1984 Jul;247(1 Pt 2):R127–34

Acute hypoxemia and hypercapnia: increase in plasma catecholamines in conscious dogs. Rose CE Jr, et al. **Am J Physiol** 1983 Dec;245(6):H924–9

Developmental changes in oxygenation and circulatory responses to hypoxemia in lambs. Sidi D, et al. **Am J Physiol** 1983 Oct;245(4):H674–82

Chronic hypoxemia depresses global ventricular function and predisposes to the depletion of high-energy phosphates during cardioplegic arrest: implications for surgical repair of cyanotic congenital heart defects. Silverman NA, et al. **Ann Thorac Surg** 1984 Apr;37(4):304–8

Severe hypoxemia without evidence of tissue hypoxia in adult respiratory distress syndrome. Lund T, et al. **Crit Care Med** 1984 Jan;12(1):75–6

Clinical use of the arterial/alveolar oxygen tension ratio. Peris LV, et al. **Crit Care Med** 1983 Nov;11(11):888–91

Positional hypoxemia during artificial ventilation. Rivara D, et al. **Crit Care Med** 1984 May;12(5):436–8

Haemodialysis-induced arterial hypoxaemia. Pathophysiology and clinical implications. A review. Knudsen F, et al. **Dan Med Bull** 1984 Apr;31(2):154–7 (30 ref.)

Adrenal secretion of catecholamines during hypoxemia in fetal lambs. Cohen WR, et al. **Endocrinology** 1984 Feb; 114(2):383–90

Response of the bronchial circulation to acute hypoxemia and hypercarbia in the dog. Baile EM, et al. **J Appl Physiol** 1983 Nov;55(5):1474–9

Pulmonary mechanics during the ventilatory response to hypoxemia in the newborn monkey. LaFramboise WA, et al. **J Appl Physiol** 1983 Sep;55(3):1008–14

Role of arginine vasopressin and angiotensin II in cardiovascular responses to combined acute hypoxemia and hypercapnic acidosis in conscious dogs. Rose CE Jr, et al. **J Clin Invest** 1984 Aug;74(2):321–31

Cutaneous venodilation in response to systemic hypoxemia in dogs. Britton SL. **J Surg Res** 1984 Jan;36(1):9–16

Gravity, posture, and cardiopulmonary function [editorial] Rehder K, et al. **Mayo Clin Proc** 1984 Apr;59(4):280–1

Increased regional myocardial blood flows and oxygen deliveries during hypoxemia in lambs. Fisher DJ. **Pediatr Res** 1984 Jul;18(7):602–6

Fetal cardiovascular and catecholamine responses to hypoxemia after chemical sympathectomy. Lewis AB, et al. **Pediatr Res** 1984 Apr;18(4):318–22

Effects of marginal hypoxemia on recovery from oxygen-induced retinopathy in the kitten model. Phelps DL, et al. **Pediatrics** 1984 Jan;73(1):1–6

Detection of cerebral lactate in vivo during hypoxemia by 1H NMR at relatively low field strengths (1.9 T). Behar KL, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(8):2517–9

Cardiac output and regional oxygen transport in the acutely hypoxic conscious sheep. Nesarajah MS, et al. **Respir Physiol** 1983 Aug;53(2):161–72

The effect of relative hypoxemia on the pattern of breathing movements in fetal lambs. Rurak DW, et al. **Respir Physiol** 1984 Jan;55(1):23–37

Effects of verapamil on pulmonary haemodynamics during hypoxaemia, at rest, and during exercise in patients with chronic obstructive pulmonary disease. Brown SE, et al. **Thorax** 1983 Nov;38(11):840–4

[The pathophysiology of hemodialysis treatment] Stummvoll HK. **Acta Med Austriaca [Suppl]** 1983;28:1–22 (Eng. Abstr.) **(Ger)**

[The role of shunts in arterial hypoxemia and the interconnection of shunts with other lung function parameters] Steinmetz KO, et al. **Prax Klin Pneumol** 1983 Jul;37(7):278–82 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Effects of oxygen administration on the manifestation of acetate intolerance in dialysis patients. Ahmad S, et al. **Am J Nephrol** 1982;2(5):256–60

[Avoiding hypoxemia during anesthesia] Mihic DN, et al. **Anaesthesist** 1983 Nov;32(11):554–9 (Eng. Abstr.) **(Ger)**

[The avoidance of hypoxemia during anesthesia (letter)] Novatsek A. **Anaesthesist** 1984 Jun;33(6):296–7 **(Ger)**

PSYCHOLOGY

Quality of life and its predictors in patients with mild hypoxemia and chronic obstructive pulmonary disease. Prigatano GP, et al. **Arch Intern Med** 1984 Aug; 144(8):1613–9

THERAPY

Unilateral pulmonary oedema. Management of severe hypoxaemia by endobronchial intubation and ventilation in a five-year-old child. So AP, et al. **Anaesth Intensive Care** 1984 May;12(2):168–71

Long-term oxygen therapy. Anthonisen NR. **Ann Intern Med** 1983 Oct;99(4):519–27

Psychologic effects of continuous and nocturnal oxygen therapy in hypoxemic chronic obstructive pulmonary disease. Heaton RK, et al. **Arch Intern Med** 1983 Oct; 143(10):1941–7

Trendelenburg positioning to correct hypoxemia from chest trauma [letter] Marcum RF, et al. **Chest** 1984 May;85(5):716

Efficacy and neurologic outcome of profound hypocapneic alkalosis for the treatment of persistent pulmonary hypertension in infancy. Ferrara B, et al. **J Pediatr** 1984 Sep;105(3):457–61

[Long-term oxygen therapy] Anthonisen NR. **Rev Fr Mal Respir** 1983;11(5):657–65 **(Fre)**

[Immediate effect of hyperbaric oxygenation on oxygen supply to the body] Buravtsov VI, et al. **Anesteziol Reanimatol** 1984 Jan–Feb;(1):20–1 (Eng. Abstr.) **(Rus)**

ANOXIA

Sectional analysis of tumor colony growth in the soft-agar assay: effects of oxygen. Fan D, et al. **J Cancer Res Clin Oncol** 1984;108(2):181–5

Hypoxia, exercise, and altitude. Proceedings of the Third Banff International Hypoxia Symposium, Banff, Alberta, Canada, January 25–28, 1983. **Prog Clin Biol Res** 1983; 136:1–495

Hypoxia research in China: an overview. Hu ST. **Prog Clin Biol Res** 1983;136:157–71 (20 ref.)

Acute mountain sickness [editorial] Milledge JS. **Thorax** 1983 Sep;38(9):641–5

[Tissue hypoxia due to stored blood] Zatelli R, et al. **Riv Emoter Immunoematol** 1983;30(3):288–303 (Eng. Abstr.) **(Ita)**

BLOOD

Renin and ACTH responses to hypercapnia and hypoxia after chronic carotid chemodenervation. Raff H, et al. **Am J Physiol** 1984 Sep;247(3 Pt 2):R412–7

Angiotensin converting enzyme response to hypoxia in man: its role in altitude acclimatization. Milledge JS, et al. **Clin Sci** 1984 Oct;67(4):453–6

Enhanced erythropoiesis induced by hypoxia in hypertransfused, post-hypoxic mice. Alippi RM, et al. **Exp Hematol** 1983 Oct;11(9):878–83

Hypoxia alters blood coagulation during acute decompression in humans. O'Brodovich HM, et al. **J Appl Physiol** 1984 Mar;56(3):666–70

Measurement of hormones and blood gases during hypoxia in conscious cannulated rats. Raff H, et al. **J Appl Physiol** 1984 May;56(5):1426–30

Inadequate erythroid response to hypoxia in cystic fibrosis. Vichinsky EP, et al. **J Pediatr** 1984 Jul;105(1):15–21

The effect of high or low oxygen affinity red cells on tissue oxygenation and myocardial function in hypoxic newborn lambs with or without hypercapnia. Urfer FN, et al. **Pediatr Res** 1983 Jul;17(7):567–72

Sex hormone suppression and sexual impotence in hypoxic pulmonary fibrosis. Semple PD, et al. **Thorax** 1984 Jan; 39(1):46–51

[Relationship between hemoglobin concentration and red cell count of the immigrants in Tibet] Pei SX. **Chung Hua Nei Ko Tsa Chih** 1983 Dec;22(12):771–3 (Eng. Abstr.) **(Chi)**

[The magic mountain] Beyeler Y. **Praxis** 1983 Oct 25; 72(43):1349–50 **(Fre)**

[Animal experiments on the behavior of selected criteria for hypoxia (serum lactate, glucose, hypoxanthine and creatine kinase, acid–base balance) in the arterial and venous blood of the skull in newborn piglets following experimental normobaric hypoxia] Menzel K, et al. **Kinderarztl Prax** 1984 May;52(5):223–31 (Eng. Abstr.) **(Ger)**

[Correlations among hypoxia, hypercapnia and hyperammonemia in patients with cor pulmonale decompensatum] Szám I. **Z Gesamte Inn Med** 1983 Aug 1;38(15):410–3 (Eng. Abstr.) **(Ger)**

[Free and protein-bound corticosterone levels of the plasma of white rats under hypoxia and after administration of adrenocorticotropic hormone] Abasheva GK, et al. **Kosm Biol Aviakosm Med** 1983 Jul–Aug;17(4):47–50 (Eng. Abstr.) **(Rus)**

[Comparative characteristics of erythron reaction to the effects of hypoxic hypoxia, immobilization and constant high-intensity magnetic field] Grebennikov SA, et al. **Kosm Biol Aviakosm Med** 1983 Nov–Dec;17(6):68–71 (Eng. Abstr.) **(Rus)**

[The effect of hypoxia of various duration on the hematocrit and 2,3-diphosphoglycerate level in the erythrocytes of rats] Belegu M, et al. **Acta Med Iugosl** 1983;37(5):385–91 (Eng. Abstr.) **(Scr)**

CEREBROSPINAL FLUID

Effects of hypoxia on vasopressin concentrations in cerebrospinal fluid and plasma of sheep. Stark RI, et al. **Neuroendocrinology** 1984 Jun;38(6):453–60

CHEMICALLY INDUCED

Oxygen transport during hemodilution in normoxic and hypoxic dogs treated with verapamil. Scherer R, et al. **Acta Anaesthesiol Scand** 1983 Dec;27(6):495–500

Small bowel and liver pO2 during vasopressin infusion into the superior mesenteric artery. Korsbäck C, et al. **Ann Chir Gynaecol** 1984;73(1):50–3

Analytical aspects of hypoxic cell radiosensitizing drugs. Tonelli D, et al. **Boll Chim Farm** 1984 Mar;123(3):117–23

COMPLICATIONS

Growth retardation in the early developing rat exposed to continuous hypobaric hypoxia. Alippi RM, et al. **Acta Physiol Lat Am** 1983;33(1):1–5

Prevention and reversal of hypoxic pulmonary hypertension by calcium antagonists. Stanbrook HS, et al. **Am Rev Respir Dis** 1984 Jul;130(1):81–5

Post-hypoxic leukoencephalopathy with late recovery. Wainapel SF, et al. **Arch Phys Med Rehabil** 1984 Apr; 65(4):201–2

The sickle cell trait in relation to the training and assignment of duties in the armed forces: II. Aseptic splenic necrosis. Diggs LW. **Aviat Space Environ Med** 1984 Apr;55(4):271–6

Cognitive impairment of acute mountain sickness and acetazolamide. White AJ. **Aviat Space Environ Med** 1984 Jul;55(7):598–603

Autoradiographic analysis of cell proliferation and protein synthesis in the pulmonary trunk of rats during the early development of hypoxia-induced pulmonary hypertension. McKenzie JC, et al. **Blood Vessels** 1984;21(2):80–9

Hyperaemic hypoxia in venous ulceration [letter] Partsch H. **Br J Dermatol** 1984 Feb;110(2):249–51

Hypoxia-induced cardiac hypertrophy in rabbits treated with verapamil and nifedipine. Dukes ID, et al. **Br J Pharmacol** 1983 Oct;80(2):241–7

Chronic mountain sickness at an elevation of 2,000 meters. Gronbeck C 3d. **Chest** 1984 Apr;85(4):577–8

Cardiac injury in short duration anoxia and modification by diltiazem, a calcium channel blocking agent. Ashraf M, et al. **J Am Coll Cardiol** 1984 May;3(5):1237–44

Congenital heart disease and pulmonary artery hypertension. I. Pulmonary vasoreactivity to 15% oxygen before and after surgery. Waldman JD, et al. **J Am Coll Cardiol** 1983 Dec;2(6):1158–64

The effect of neonatal guanethidine administration on hemodynamic and physical alterations in the adult rat pulmonary artery during the development of hypoxia-induced pulmonary hypertension. McKenzie JC, et al. **J Auton Nerv Syst** 1984 Apr;10(2):199–203

Periventricular leukomalacia related to neonatal anoxia: recognition by computed tomography. Di Chiro G, et al. **J Comput Assist Tomogr** 1978 Jul;2(3):352–5

Clinical observation on high altitude polycythemia treated with modified Longdan Xiegan Tang. Zou XD, et al. **J Tradit Chin Med** 1983 Dec;3(4):303–4

Threshold of intermittent hypoxia-induced right ventricular hypertrophy in the rat. Nattie EE, et al. **Respir Physiol** 1984 May;56(2):253–9

The effect of graded hypothermia on hypoxic-ischemic brain damage: a neuropathologic study in the neonatal rat. Young RS, et al. **Stroke** 1983 Nov–Dec;14(6):929–34

[Regression of myocardial hypertrophy caused by acute or chronic hypobaric hypoxia] De Alfieri W, et al. **Boll Soc Ital Cardiol** 1982;27(6):593–99 **(Ita)**

[Left ventricular hypertrophy caused by acute or chronic hypobaric hypoxia in the rat] Genovese A, et al. **Minerva Cardioangiol** 1983 Oct;31(10):583–6 (Eng. Abstr.) **(Ita)**

[Case of high-altitude illness with pulmonary and cerebral infarction] Aoki T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Aug; 21(8):770–4 (Eng. Abstr.) **(Jpn)**

[Early postanoxic changes in the neuronal and neuropil ultrastructure of the cerebral cortex in cats] Malunova LB, et al. **Arkh Anat Gistol Embriol** 1984 Jan;86(1):46–9 (Eng. Abstr.) **(Rus)**

[Change in the anti-inflammatory activity of nonsteroidal antiphlogistics in conditions of acute hypoxic hypoxia] Berezniakova AI, et al. **Farmakol Toksikol** 1983 Sep–Oct; 46(5):59–61 (Eng. Abstr.) **(Rus)**

[Effect of an artificial mountain climate on the development of pneumoconiosis and catecholamine content of the adrenal glands in albino rats] Gridneva NV. **Gig Tr Prof Zabol** 1984 Apr;(4):22–6 (Eng. Abstr.) **(Rus)**

[Hypoxia, an important pathogenetic factor in hyaline membrane disease in the newborn infant] Ambrosius-Diener K. **Bol Med Hosp Infant Mex** 1984 Mar; 41(3):140–6 (Eng. Abstr.) **(Spa)**

CONGENITAL

Hypobaric hypoxia-induced intrauterine growth retardation. Chang JH, et al. **Biol Neonate** 1984;46(1):10–3

DIAGNOSIS

Procedures for the measurement of acute mountain sickness. Sampson JB, et al. **Aviat Space Environ Med** 1983 Dec; 54(12 Pt 1):1063–73

Platypnea-orthodeoxia: clinical profile, diagnostic workup, management, and report of seven cases. Seward JB, et al. **Mayo Clin Proc** 1984 Apr;59(4):221–31

Graphic analysis of the Fick equation to evaluate oxygen transport. Boyle J 3d. **Respiration** 1984;45(4):353–9

[Medicine of the Andes (chronic mountain sickness)] Ryn Z. **Actas Luso Esp Neurol Psiquiatr** 1983 Sep-Oct; 11(5):403-6 **(Spa)**

DRUG THERAPY

Effect of naloxone on the respiratory responses to hypoxia in chronic obstructive pulmonary disease. Santiago TV, et al. **Am Rev Respir Dis** 1984 Aug;130(2):183-6

Effect of digoxin on serum and urinary cation changes on acute induction to high altitude. Ohri VC, et al. **Aviat Space Environ Med** 1984 Apr;55(4):287-90

Acetazolamide for acute mountain sickness. **FDA Drug Bull** 1983 Nov;13(3):27

Naloxone reduces decrease in ventilation induced by hypoxia in newborn infants. De Boeck C, et al. **J Appl Physiol** 1984 Jun;56(6):1507-11

Effect of acetazolamide on normoxic and hypoxic exercise in humans at sea level. Schoene RB, et al. **J Appl Physiol** 1983 Dec;55(6):1772-6

Study on the anti-hypoxic effect of some drugs used in the pharmacotherapy of cerebrovascular disease. Milanova D, et al. **Methods Find Exp Clin Pharmacol** 1983 Nov; 5(9):607-12

Study on the anti-hypoxic effect of cinnarizine and its interaction with prostacyclin. Nikolov R, et al. **Methods Find Exp Clin Pharmacol** 1984 Mar;6(3):135-8

Arachidonic acid cascade and anti-hypoxic drugs. Nikolov R. **Methods Find Exp Clin Pharmacol** 1984 May;6(5):231-4

[Study of 2 antianoxic agents by a method of decreased barometric pressure: demonstration of a different rate of action] Truchaud M. **Ann Pharm Fr** 1983;41(4):321-6 (Eng. Abstr.) **(Fre)**

[Therapeutic effect of theophylline-ethylenediamines on nocturnal hypoxic attacks associated with the sleep apnea syndrome.] Wülker G, et al. **Prax Klin Pneumol** 1984 Jun; 38(6):220-4 (Eng. Abstr.) **(Ger)**

[Radiosensitization of hypoxic tumor cells with special reference to head and neck cancers] Kogelnik HD. **Wien Klin Wochenschr** 1983 Aug 5;95(15):515-8 (Eng. Abstr.) **(Ger)**

[Anti-anoxic effect of 4-(o-benzlphenoxy)-N-methylbutylamine hydrochloride (MCI-2016)] Tobe A, et al. **Nippon Yakurigaku Zasshi** 1983 May;81(5):421-9 (Eng. Abstr.) **(Jpn)**

[Nootropic and anxiolytic properties of endogenous ligands of benzodiazepine receptors and their structural analogs] Akhundov RA, et al. **Biull Eksp Biol Med** 1984 Feb; 97(2):174-7 (Eng. Abstr.) **(Rus)**

[Effect of riboxine on myocardial metabolism in conditions of altitude hypoxia] Kononova VA, et al. **Biull Eksp Biol Med** 1984 Apr;97(4):484-6 (Eng. Abstr.) **(Rus)**

[Nootropic properties of gamma-aminobutyric acid derivatives] Ostrovskaia RU, et al. **Biull Eksp Biol Med** 1984 Feb;97(2):170-2 (Eng. Abstr.) **(Rus)**

[New possibilities for monitoring beta-adrenoblocker treatment of hypoxic states in young children with the tetralogy of Fallot] Ivanov AA. **Pediatriia** 1984 Apr; (4):20-2 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Brain mechanisms, hypoxia and fetal breathing. Walker DW. **J Dev Physiol** 1984 Jun;6(3):225-36

ENZYMOLOGY

Effect of wood combustion smoke inhalation on angiotensin-1-converting enzyme in the dog. Brizio-Molteni L, et al. **Ann Clin Lab Sci** 1984 Sep-Oct; 14(5):381-9

Increased phosphofructokinase content during chronic hypoxia in cultured skeletal muscle (L8) cells. Ptashne KA, et al. **Biochim Biophys Acta** 1983 Sep 22;763(2):169-74

Effect of locally released catecholamines on lipolysis and injury of the hypoxic isolated rabbit heart. Karwatowska-Kryńska E, et al. **J Mol Cell Cardiol** 1983 Aug;15(8):523-36

The relationship between myocardial enzyme release and Ca2+ uptake during hypoxia and reoxygenation in the newborn and adult heart. Nakanishi T, et al. **J Mol Cell Cardiol** 1984 Jun;16(6):519-32

Relation between enzyme release and metabolic changes in reversible anoxic injury of myocardial cells. Piper HM, et al. **Life Sci** 1984 Jul 9;35(2):127-34

[cAMP-dependent protein kinase activity and phospholamban phosphorylation of the heart in circulatory hypoxia. The effect of trypsin on the capacity for phosphorylation] Antipenko AE, et al. **Dokl Akad Nauk SSSR** 1984;275(2):490-3 **(Rus)**

[Metabolism of xenobiotics in the liver in acute hypoxia of intact mice and mice adapted to oxygen deficiency] Grek OR, et al. **Farmakol Toksikol** 1984 Jan-Feb;47(1):98-101 (Eng. Abstr.) **(Rus)**

[Glucose-6-phosphate dehydrogenase activity in rat serum in hyperoxia, hypoxia, and cooling] Goroshinskaia IA, et al. **Vopr Med Khim** 1984 Jan-Feb;30(1):60-4 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Oxygen flush as a cause of hypoxia [letter] McShane AJ. **Anaesthesia** 1983 Sep;38(9):912

Hypoxia caused by a leaking Rotameter-the value of an oxygen analyser [letter] Moore JK, et al. **Anaesthesia** 1984 Apr;39(4):380-1

Air travel hypoxemia with chronic obstructive pulmonary disease. Schwartz JS, et al. **Ann Intern Med** 1984 Apr; 100(4):473-7

Nocturnal hypoxia and prolactin secretion in obese women. Kopelman PG, et al. **Br Med J [Clin Res]** 1983 Sep 24; 287(6396):859-61

Extracranial insults and outcome in patients with acute head injury--relationship to the Glasgow Coma Scale. Kohi YM, et al. **Injury** 1984 Jul;16(1):25-9

Platypnea and orthodeoxia: a report of three cases and hypothesis in pathogenesis. Limthongkul S, et al. **J Med Assoc Thai** 1983 Jul;66(7):417-24

Sickle cell trait and scuba diving [letter] Adams JG 3d. **JAMA** 1984 Apr 6;251(13):1681-2

Venipuncture fits: a form of reflex anoxic seizure. Roddy SM, et al. **Pediatrics** 1983 Nov;72(5):715-8

[Right pulmonary artery-left atrium communication : a rare cause of refractory hypoxia in newborn infants] Sassolas F, et al. **Pediatrie** 1984 Apr-May;39(3):203-8 (Eng. Abstr.) **(Fre)**

[Follow-up study of children with hypoxia following pneumothorax] Haberfellner H, et al. **Padiatr Padol** 1984; 19(1):51-7 (Eng. Abstr.) **(Ger)**

[Pneumothorax as a cause of acute and recurrent neonatal hypoxia] Luz O, et al. **Padiatr Padol** 1984;19(1):43-9 (Eng. Abstr.) **(Ger)**

[Studies on hemorheology as causative factors of tissue hypoxia in renal failure] Oimomi M, et al. **Nippon Jinzo Gakkai Shi** 1983 Apr;25(4):415-9 (Eng. Abstr.) **(Jpn)**

[Role of hypoxia in the etiology of postresuscitation blood circulation insufficiency] Lanovenko II. **Fiziol Zh** 1984 Mar-Apr;30(2):173-80 (Eng. Abstr.) **(Rus)**

[Role of cyclic nucleotides in the pathogenesis of acute hypoxia] Buravkova LB, et al. **Patol Fiziol Eksp Ter** 1983 Sep-Oct;(5):40-3 (Eng. Abstr.) **(Rus)**

[Oxygen-transport function of the blood in decompensated diabetes mellitus before and after complex therapy including hyperbaric oxygenation] Kakhnovskiĭ IM, et al. **Ter Arkh** 1983;55(8):79-84 (Eng. Abstr.) **(Rus)**

METABOLISM

Membrane perturbations in myocardium: oxygen radicals mediate injuries in experiments. Török B, et al. **Acta Chir Hung** 1984;25(3):185-92

Effect of substance P antagonist on the hypoxia-induced carotid chemoreceptor activity. Prabhakar NR, et al. **Acta Physiol Scand** 1984 Jul;121(3):301-3

Metabolic adaptation in response to intermittent hypoxia in rat skeletal muscles. Elander A, et al. **Adv Exp Med Biol** 1984;169:507-13

Studies on the ability of kidney cells to recover after periods of anoxia. Gronow G, et al. **Adv Exp Med Biol** 1984; 169:589-95

Microcirculation and Po2 in skeletal muscle during respiratory hypoxia and stimulation. Harrison DK, et al. **Adv Exp Med Biol** 1984;169:477-85

On the seemingly diminished CO2-Bohr effect in hypoxic chemodenervated rabbits. Kiwull-Schöne H, et al. **Adv Exp Med Biol** 1984;169:163-73

Improved O2 transfer to tissues during deep hypoxia in rats with a left-shifted blood O2 dissociation curve. Turek Z, et al. **Adv Exp Med Biol** 1984;169:199-208

Human red cell glycolysis in high altitude chronic hypoxia. Arnaud J, et al. **Am J Phys Anthropol** 1984 Mar; 63(3):307-14

Sarcolemmal enzymes and Na+ -Ca2+ exchange in hypoxic, ischemic, and reperfused rat hearts. Daly MJ, et al. **Am J Physiol** 1984 Aug;247(2 Pt 2):H237-43

Effect of T4-induced cardiac hypertrophy on O2 supply-consumption balance during normoxia and hypoxia. Talafih K, et al. **Am J Physiol** 1984 Mar;246(3 Pt 2):H374-9

Effect of hypoxia and reoxygenation on mitochondrial function in neonatal myocardium. Young HH, et al. **Am J Physiol** 1983 Dec;245(6):H998-1006

Time course and responses of sustained hypoxic pulmonary vasoconstriction in the dog. Domino KB, et al. **Anesthesiology** 1984 Jun;60(6):562-6

Effects of hypoxia-ischemia on monoamine metabolism in the immature brain. Silverstein F, et al. **Ann Neurol** 1984 Apr;15(4):342-7

Improvement of the anoxia-induced mitochondrial dysfunction by membrane modulation. Miyahara M, et al. **Arch Biochem Biophys** 1984 Aug 15;233(1):139-50

On the mechanism of hepatic glycogenolysis induced by anoxia or cyanide. Bollen M, et al. **Biochem Biophys Res Commun** 1983 Sep 30;115(3):1033-9

Platelet activating factor (PAF-acether) is released into rat pulmonary alveolar fluid as a consequence of hypoxia. Prevost MC, et al. **Biochem Biophys Res Commun** 1984 Feb 29;119(1):58-63

Protein synthesis in the rat pulmonary trunk during the early development of hypoxia-induced pulmonary hypertension. McKenzie JC, et al. **Blood Vessels** 1983;20(6):283-94

Alterations in CNS amine levels by acclimatization to hypobaric hypoxia. Hughes MJ, et al. **Brain Res Bull** 1983 Aug;11(2):255-8

Hypobaric hypoxia does not affect lung fluid or protein exchange in awake adult sheep at rest. Coates G, et al. **Can J Physiol Pharmacol** 1983 Jul;61(7):714-6

ATP-MgCl2 treatment prior to hypoxic-hypotension. Proctor HJ, et al. **Circ Shock** 1983;11(1):65-71

Hypoxia elicits liberation of anti-aggregatory substances from isolated rabbit hearts. Edlund A, et al. **Clin Physiol** 1983 Oct;3(5):399-409

Factors in the release of vasopressin by the hypoxic fetus. Daniel SS, et al. **Endocrinology** 1983 Nov;113(5):1623-8

Effects of accumulation of phosphocreatine on utilization and restoration of high-energy phosphates during anoxia and recovery in thin hippocampal slices from the guinea pig. Yoneda K, et al. **Exp Neurol** 1983 Oct;82(1):215-22

Differential effects of hypoxia on the disposition of propranolol and sodium taurocholate by the isolated perfused rat liver. Jones DB, et al. **Hepatology** 1984 May-Jun;4(3):461-6

Total and hindlimb oxygen deficit and 'repayment' in hypoxic anesthetized dogs. Adams RP, et al. **J Appl Physiol** 1983 Sep;55(3):913-22

In vivo comparison of cytochrome aa3 redox state and tissue PO2 in transient anoxia. Kariman K, et al. **J Appl Physiol** 1983 Oct;55(4):1057-63

Pulmonary metabolic function in the awake lamb: effect of development and hypoxia. Pitt BR, et al. **J Appl Physiol** 1983 Aug;55(2):383-91

Effects of hypoxia on norepinephrine release and metabolism in dog pulmonary artery. Rorie DK, et al. **J Appl Physiol** 1983 Sep;55(3):750-8

Coordinate regulation of glycolysis by hypoxia in mammalian cells. Robin ED, et al. **J Cell Physiol** 1984 Mar; 118(3):287-90

Release of vasopressin in response to hypoxia and the effect of aminergic and opioid antagonists. Forsling ML, et al. **J Endocrinol** 1983 Oct;99(1):77-86

Biologic and immunologic erythropoietin in extracts from hypoxic whole rat kidneys and in their glomerular and tubular fractions. Caro J, et al. **J Lab Clin Med** 1984 Jun; 103(6):922-31

Measurements of intracellular calcium concentration in heart muscle: the effects of inotropic interventions and hypoxia. Allen DG, et al. **J Mol Cell Cardiol** 1984 Feb;16(2):117-28 (38 ref.)

Possible mechanisms for reoxygenation-induced recovery of myocardial high-energy phosphates after hypoxia. Takeo S, et al. **J Mol Cell Cardiol** 1983 Sep;15(9):577-94

A simple cranial window technique for optical monitoring of cerebrocortical microcirculation and NAD/NADH redox state. Effect of mitochondrial electron transport inhibitors and anoxic anoxia. Dóra E. **J Neurochem** 1984 Jan;42(1):101-8

Synaptosomal calcium metabolism during hypoxia and 3,4-diaminopyridine treatment. Peterson C, et al. **J Neurochem** 1984 Jan;42(1):248-53

Effects of hypoxia and reoxygenation on tissue ATP level and electrical and mechanical function of isolated guinea pig ventricular muscles. Asano T, et al. **J Pharmacobiodyn** 1984 Jan;7(1):63-6

The effects of cyclic AMP and cyclic GMP on redox state and energy state in hypoxic rat atria. Vuorinen P, et al. **Life Sci** 1984 Jul 9;35(2):155-61

Antioxidant defence in hypoxic regions of tumours. Capel ID. **Med Biol** 1984;62(2):119-21

A hypothesis on the pathogenesis of rheumatoid and other non-specific synovitides. IV A. The possible intermediate role of local hypoxia and metabolic alterations. Ahlqvist J. **Med Hypotheses** 1984 Mar;13(3):257-302 (150 ref.)

Development of hepatic fatty acid oxidation and ketogenesis in the newborn guinea pig [letter] Chiodi H. **Pediatr Res** 1984 Mar;18(3):299-300

Purine metabolites and lactate as parameters of hypoxia in the newborn infant. Ruth V, et al. **Pediatr Res** 1984 Apr; 18(4):355-8

Metabolism and nutrition at altitude. Blume FD. **Prog Clin Biol Res** 1983;136:311-6 (15 ref.)

Metabolic arrest: the most effective means of protecting tissues against hypoxia. Hochachka PW, et al. **Prog Clin Biol Res** 1983;136:297-309 (42 ref.)

Intracellular and extracellular acid-base and electrolyte status of submerged anoxic turtles at 3 degrees C. Jackson DC, et al. **Respir Physiol** 1983 Aug;53(2):187-201

Monoamine neurotransmitter metabolism during acclimatization to hypoxia in rats. Olson EB Jr, et al. **Respir Physiol** 1983 Oct;54(1):79-96

Hypoxia induced preferential ketone utilization by rat brain slices. Kirsch JR, et al. **Stroke** 1984 Mar-Apr;15(2):319-23

Role of tissue lactate and substrate availability in 1,3-butanediol-enhanced hypoxic survival in the mouse. Kirsch JR, et al. **Stroke** 1983 Nov-Dec;14(6):971-6

Release of ribonuclease from anoxic pancreas. Warshaw AL, et al. **Surgery** 1984 May;95(5):537-41

Hypoxia; metabolism and regulatory mechanisms in different organs and different clinical conditions. Advanced training course, Uppsala, March 8-12, 1982. Abstracts. **Ups J Med Sci [Suppl]** 1983;38:1-124

[Changes in biogenic amine contents during hypobaric hypoxia] Yan YZ. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1983 Aug;6(4):216-7 (Eng. Abstr.) **(Chi)**

[The effect of vaporization with thermal sulfurous water on phospholipids in the broncho-alveolar lavage solution following hypobaric hypoxia in the rat] Prévost MC, et al. **Arch Int Physiol Biochim** 1983 Sep;91(3):197-203 (Eng.

Abstr.) (Fre)
[Aminergic correlations in the rat brain exposed to hypobaric hypoxia] Cohen Y. **Bull Mem Acad R Med Belg** 1983; 138(5):336–46 (Eng. Abstr.) (Fre)
[Effects of muscular exertion in a hypoxic and hypoxic–hypercapnic respiratory environment on acid–base equilibrium and blood lactic acid in the albino rat raised in hypoxic hypoxia from birth] Quatrini U, et al. **Boll Soc Ital Biol Sper** 1984 Mar 30;60(3):625–31 (Eng. Abstr.) (Ita)
[Acid–base equilibrium, blood lactic acid and pyruvic acid in albino rats after muscular exertion under conditions of normal oxygen, hypoxia and hypoxia–hypercapnia] Quatrini U, et al. **Boll Soc Ital Biol Sper** 1984 Mar 30; 60(3):617–23 (Eng. Abstr.) (Ita)
[Effects of halothane on the recovery of hypoxia–depleted ATP in the canine liver] Horikawa H, et al. **Masui** 1983 Dec;32(12):1453–8 (Eng. Abstr.) (Jpn)
[Effects of ubiquinone (CoQ10) on hypoxic hypoxia] Sakai Y. **Masui** 1983 Jul;32(7):818–28 (Eng. Abstr.) (Jpn)
[Experimental study of brain development in the perinatal period—effects of anoxia and dexamethasone on thymidine kinase activity and DNA synthesis] Takagi Y, et al. **No To Hattatsu** 1983 Sep;15(5):381–9 (Eng. Abstr.) (Jpn)
[Cell reaction to hypoxia] Shakhlamov VA, et al. **Arkh Anat Gistol Embriol** 1983 Jul;85(7):12–25 (109 ref.) (Rus)
[Oxidation–reduction processes in the rat myocardium in acute hypoxia] Donchenko GV, et al. **Fiziol Zh** 1984 Mar–Apr;30(2):180–5 (Eng. Abstr.) (Rus)
[Phospholipid content of the rat lung and surfactant during the administration of hydrocortisone or insulin and in hypoxic hypoxia] Dimitrova AI, et al. **Vopr Med Khim** 1984 Mar–Apr;30(2):126–9 (Eng. Abstr.) (Rus)

MORTALITY

Environmental parameters in the experimental evaluation of a respiratory aggression. Stupfel M, et al. **Ecol Dis** 1983; 2(1):67–73
Altitude–related deaths in seven trekkers in the Himalayas. Dickinson J, et al. **Thorax** 1983 Sep;38(9):646–56

OCCURRENCE

A five–year survey of hypobaric chamber physiological incidents in the Canadian Forces. Crowell LB. **Aviat Space Environ Med** 1983 Nov;54(11):1034–6
High–altitude pulmonary edema among visitors to Summit County, Colorado. Sophocles AM Jr, et al. **J Fam Pract** 1983 Dec;17(6):1015–7

PATHOLOGY

Ultrastructure of cultured adult myocardial cells during anoxia and reoxygenation. Schwartz P, et al. **Am J Pathol** 1984 Jun;115(3):349–61
Mechanism of protection by verapamil and nifedipine from anoxic injury in isolated cardiac myocytes. Cheung JY, et al. **Am J Physiol** 1984 Mar;246(3 Pt 1):C323–9
Impairment of hypoxic pulmonary artery remodeling by heparin in mice. Hales CA, et al. **Am Rev Respir Dis** 1983 Oct;128(4):747–51
Comparison of the effect of ischaemia and anoxia on the sarcolemma of the dog heart. Jennings RB, et al. **Eur Heart J** 1983 Dec;4 Suppl H:123–37
Development of new hypoxic cell sensitizers: amides of nitrobenzoic acid with spermidine and spermine. Nagao Y, et al. **Experientia** 1983 Oct 15;39(10):1116–8
Platelets and leukocytes in the lungs after acute hypobaric hypoxia. Coates G, et al. **J Appl Physiol** 1983 Nov; 55(5):1536–41
Selective vulnerability of the medullary thick ascending limb to anoxia in the isolated perfused rat kidney. Brezis M, et al. **J Clin Invest** 1984 Jan;73(1):182–90
Morphometric studies of the spleen of the hypoxic mouse. Clegg EJ. **J Microsc** 1983 Aug;131 (Pt 2):155–61
Significance of fluid flow for morphology of acute hypoxic–ischaemic brain cell injury. Paljärvi L, et al. **Neuropathol Appl Neurobiol** 1984 Jan–Feb;10(1):43–52
Chronic changes in the receptive field of the pyramidal cells of the rat hippocampus after intermittent postnatal hypoxia. Pokorný J, et al. **Physiol Bohemoslov** 1983;32(5):393–402
The enlarged carotid body of the chronically hypoxic and chronically hypoxic and hypercapnic rat: a morphometric analysis. Dhillon DP, et al. **Q J Exp Physiol** 1984 Apr; 69(2):301–17
Intermittent high altitude hypoxia – induced structural changes in the pulmonary myocardium in young mice. Jarkovská D, et al. **Virchows Arch [Cell Pathol]** 1983; 43(3):327–36
[Sequelae of hypoxia in the hippocampal structure] Pokorný J, et al. **Sb Lek** 1983 Sep;85(7–8):193–200 (Eng. Abstr.) (Cze)
[Capillary changes in acute normobaric hypoxia] Józsa L, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1984; 27(2):127–32 (Eng. Abstr.) (Hun)
[Effects of neonatal hypoxia on brain development 2. A quantitative histological study] Yoshioka H. **No To Hattatsu** 1983 Jul;15(4):328–37 (Eng. Abstr.) (Jpn)
[Effects of neonatal hypoxia on brain development. 1. An autoradiographic study] Yoshioka H. **No To Hattatsu** 1983 Jul;15(4):317–27 (Eng. Abstr.) (Jpn)
[Changes in the respiratory muscles and their microcirculatory bed during exposure of the body to chronic hypoxia and its aftereffects] Ragimova OA. **Arkh Anat Gistol Embriol** 1984 Mar;86(3):68–75 (Eng. Abstr.) (Rus)
[Pathomorphology of the mucous membrane of the human nose exposed to high altitudes] Rostovshchikov AS. **Arkh Patol** 1983;45(9):23–30 (Eng. Abstr.) (Rus)
[Study of tissue leukocytosis in forensic and pathological practice] Gol'dburt NN, et al. **Sud Med Ekspert** 1984 Apr–Jun;27(2):28–31 (Eng. Abstr.) (Rus)
[Ultrastructure of the cerebral cortex of the cat in the early recovery period after short–term anoxia] Malunova LB, et al. **Tsitologiia** 1983 Nov;25(11):1259–63 (Eng. Abstr.) (Rus)
[Mountain sickness] Mateu Ratera M. **Med Clin (Barc)** 1983 May 21;80(18):796–8 (Spa)

PHYSIOPATHOLOGY

The role of histamine in acute hypoxic pulmonary hypertension in dogs. Zou AP, et al. **Acta Acad Med Wuhan** 1984;4(1):50–5
A case of near–miss SIDS developing an abnormal respiratory reaction to hypoxia. Wennergren G, et al. **Acta Paediatr Scand** 1983 Sep;72(5):793–5
Investigations of exercise adaptation of the cardiovascular system in pilots breathing an oxygen–poor gas mixture. Part I. Analysis of haemodynamic parameters. Mazurek K. **Acta Physiol Pol** 1983 May–Jun;34(3):277–83
Investigations of exercise adaptation of the cardiovascular system in pilots breathing an oxygen–poor gas mixture. Part II. Analysis of polycardiographic parameters. Mazurek K. **Acta Physiol Pol** 1983 May–Jun;34(3):285–91
Cerebral circulatory responses to hypercapnia and hypoxia in the recovery period following complete and incomplete cerebral ischemia in the rat. Kågström E, et al. **Acta Physiol Scand** 1983 Jul;118(3):281–91
Local cerebral blood flow in the rat brain during hypercapnia and hypoxia. Smith ML, et al. **Acta Physiol Scand** 1983 Aug;118(4):439–40
Effect of hypoxia and exercise on nucleotide metabolism in man. Harkness RA, et al. **Adv Exp Med Biol** 1984;165 Pt B:437–42
Hypoxic reduction in blood flow velocity in pulmonary arterioles and capillaries. Koyama T, et al. **Adv Exp Med Biol** 1984;169:651–60
The effect of hypoxic and histotoxic hypoxia on contractility and blood flow of the langendorff guinea pig heart preparation. Lübbers DW, et al. **Adv Exp Med Biol** 1983; 159:225–30
Reactions of carotid baroreceptors to anoxia and ischaemia. Müller U, et al. **Adv Exp Med Biol** 1984;169:689–701
Involvement of calcium in coronary vasoconstriction due to prolonged hypoxia. Karmazyn M, et al. **Am Heart J** 1984 Feb;107(2):293–7
Fetal malformations associated with maternal hypoxia. Goodlin RC, et al. **Am J Obstet Gynecol** 1984 May 15; 149(2):228–9
Sympathetic nerves reduce cerebral blood flow during hypoxia in awake rabbits. Busija DW. **Am J Physiol** 1984 Sep;247(3 Pt 2):H446–51
Oxygen delivery to the heart and brain during hypoxia: Pekin duck vs. bar–headed goose. Faraci FM, et al. **Am J Physiol** 1984 Jul;247(1 Pt 2):R69–75
Attenuated pulmonary pressor response to hypoxia in bar–headed geese. Faraci FM, et al. **Am J Physiol** 1984 Aug;247(2 Pt 2):R402–3
Purkinje–muscle coupling and endocardial response to hyperkalemia, hypoxia, and acidosis. Gilmour RF Jr, et al. **Am J Physiol** 1984 Aug;247(2 Pt 2):H303–11
Role of O2–hemoglobin affinity on cerebrovascular response to carbon monoxide hypoxia. Koehler RC, et al. **Am J Physiol** 1983 Dec;245(6):H1019–23
Dopaminergic efferent inhibition of carotid body chemoreceptors in chronically hypoxic cats. Lahiri S, et al. **Am J Physiol** 1984 Jul;247(1 Pt 2):R24–8
Efferent inhibition of carotid body chemoreception in chronically hypoxic cats. Lahiri S, et al. **Am J Physiol** 1983 Nov;245(5 Pt 1):R678–83
Response of 31P–nuclear magnetic resonance spectra of frog skin to variations in PCO2 and hypoxia. Nunnally RL, et al. **Am J Physiol** 1983 Dec;245(6):F792–800
Renal function in rats chronically exposed to high altitude. Ou LC, et al. **Am J Physiol** 1984 Jul;247(1 Pt 2):F45–9
Vasopressin, ACTH, and blood pressure during hypoxia induced at different rates. Raff H, et al. **Am J Physiol** 1983 Nov;245(5 Pt 1):E489–93
Splanchnic vasomotor and metabolic adjustments to hypoxia and exercise in humans. Rowell LB, et al. **Am J Physiol** 1984 Aug;247(2 Pt 2):H251–8
Anoxia and capillary filtration coefficient in the isolated cat hindlimb. Watson PD, et al. **Am J Physiol** 1984 Feb;246(2 Pt 2):H312–5
Protective effect of hypoxia on bleomycin lung toxicity in the rat. Berend N. **Am Rev Respir Dis** 1984 Aug; 130(2):307–8
Hydralazine does not inhibit canine hypoxic pulmonary vasoconstriction. Bishop MJ, et al. **Am Rev Respir Dis** 1983 Dec;128(6):998–1001
Nifedipine inhibits hypoxic pulmonary vasoconstriction during rest and exercise in patients with cystic fibrosis and cor pulmonale. Michael JR, et al. **Am Rev Respir Dis** 1984 Sep;130(3):516–9
Effect of acute hypoxia on airway and vascular exchangeable lung water spaces in dogs. Peterson BT, et al. **Am Rev Respir Dis** 1984 May;129(5):772–9
Nifedipine attenuates acute hypoxic pulmonary vasoconstriction in awake piglets. Redding GJ, et al. **Am Rev Respir Dis** 1984 May;129(5):785–9
Determinants of the ventilatory responses to hypoxia during sleep. Santiago TV, et al. **Am Rev Respir Dis** 1984 Aug; 130(2):179–82
Influence of lidocaine and bupivacaine on isolated guinea pig atria in the presence of acidosis and hypoxia. Sage DJ, et al. **Anesth Analg** 1984 Jan;63(1):1–7
Stimulation of hypoxic ventilatory drive by droperidol. Ward DS. **Anesth Analg** 1984 Feb;63(2):106–10
Naloxone: effects on hypoxic pulmonary vasoconstriction. Bar–Or D, et al. **Ann Emerg Med** 1984 Jul;13(7):495–8
Hypoxia and respiratory control in early life. Haddad GG, et al. **Annu Rev Physiol** 1984;46:629–43 (95 ref.)
Effect of hypoxia and pharmacological treatment on some enzyme activities in dog brain areas. Arrigoni E, et al. **Arch Int Pharmacodyn Ther** 1984 May;269(1):111–40
Effect of Ca2+–entry blockade and serotonergic antagonism on contractions of hypoxic isolated canine coronary arteries. Van Nueten JM, et al. **Arch Int Pharmacodyn Ther** 1983 Sep;265(1):172–6
Effect of hypoxia on the synthesis of glycosaminoglycans and collagen by rabbit aortic smooth muscle cells in culture. Pietilä K, et al. **Atherosclerosis** 1984 Feb;50(2):183–90
Effects of extended hypoxia on night vision. Kobrick JL, et al. **Aviat Space Environ Med** 1984 Mar;55(3):191–5
Modification by sulpiride, pimozide, or domperidone of apomorphine's effects on learning in hypoxic rats. Saligaut C, et al. **Aviat Space Environ Med** 1983 Aug;54(8):725–9
Sex–related factors in acute hypoxia survival in one strain of mice. Stupfel M, et al. **Aviat Space Environ Med** 1984 Feb;55(2):136–40
Hypoxic and nycthemeral responses by the adrenal cortex of partially hepatectomized rats. Witek–Janusek L, et al. **Aviat Space Environ Med** 1984 Jun;55(6):538–41
Dietary trans–fatty acid effects on mitochondrial functionality and phospholipid composition in rat perfused hearts in oxygenation and anoxia. Biagi PL, et al. **Boll Soc Ital Biol Sper** 1984 May 30;60(5):1029–35
hsp70: nuclear concentration during environmental stress and cytoplasmic storage during recovery. Velazquez JM, et al. **Cell** 1984 Mar;36(3):655–62
Cardiac asystole during an hypoxic drive study in a normal subject. Aitken ML, et al. **Chest** 1984 Jun;85(6):818–9
The effects of lidocaine and quinidine on impulse propagation across the canine Purkinje–muscle junction during combined hyperkalemia, hypoxia, and acidosis. Evans JJ, et al. **Circ Res** 1984 Aug;55(2):185–96
Effect of hypoxia and hypercapnic acidosis on renal autoregulation in the dog: role of renal nerves. Anderson RJ, et al. **Clin Sci** 1983 Nov;65(5):533–8
Hypoxia–induced cardiovascular changes and plasma electrolytes before and after beta–adrenoceptor blockade. Mengesha YA, et al. **Clin Sci** 1983 Nov;65(5):463–8
Ventilatory changes in the golden hamster, Mesocricetus auratus, compared with the laboratory rat, Rattus norvegicus, during hypercapnia and/or hypoxia. Holloway DA, et al. **Comp Biochem Physiol [A]** 1984;77(2):267–73
Alveolar contractile interstitial cells. Their morphology and reactions to hypoxia and to epinephrine stimulation. Kapanci Y, et al. **Curr Probl Clin Biochem** 1983;13:134–41
Effect of ischemia and temperature on fetal mouse pancreas. Insulin production in vitro, and function after isotransplantation. Mandel TE, et al. **Diabetes** 1984 Apr; 33(4):376–82
Feedback inhibition of adrenocorticotropin and vasopressin responses to hypoxia by physiological increases in endogenous plasma corticosteroids in dogs. Raff H, et al. **Endocrinology** 1984 Apr;114(4):1245–9
Diltiazem and nitrendipine suppress hypoxic contracture in quiescent ventricular myocardium. Henry PD, et al. **Eur Heart J** 1983 Nov;4(11):819–22
Ventilatory and heart rate responses to hypoxia in well–trained judo athletes. Ohyabu Y, et al. **Eur J Applied Physiol** 1984;52(4):451–6
Spontaneous impulse generation in normal and denervated dorsal root ganglia: sensitivity to alpha–adrenergic stimulation and hypoxia. Burchiel KJ. **Exp Neurol** 1984 Aug;85(2):257–72
Failure to produce germinal matrix or intraventricular hemorrhage by hypoxia, hypo–, or hypervolemia. Ting P, et al. **Exp Neurol** 1984 Mar;83(3):449–60
Is hypoxia involved in the mechanism of alcohol–induced liver injury? Thurman RG, et al. **Fundam Appl Toxicol** 1984 Apr;4(2 Pt 1):125–33
Correlation between parameters of the cardiac rhythm and physical working capacity in man during adaptation to high mountain hypoxia. Akhmedov KYu, et al. **Hum Physiol** 1982 Nov–Dec;8(6):421–7
Effect of hypoxia on external respiratory function in old age. Ivanov LA. **Hum Physiol** 1983 Mar–Apr;9(2):126–33
Adaptation of the heart to chronic high–mountain hypoxia. Mirrakhimov MM, et al. **Hum Physiol** 1982 Nov–Dec; 8(6):417–20
Regulation of canine mucus secretion by a novel leukotriene synthesis inhibitor (U–60,257). Johnson HG, et al.

Int Arch Allergy Appl Immunol 1984;75(2):97–101
Breathing pattern of kittens during hypoxia. Blanco CE, et al. **J Appl Physiol** 1984 Jan;56(1):12–7
Effects of hypoxia on ventilation during postnatal development in conscious kittens. Bonora M, et al. **J Appl Physiol** 1984 Jun;56(6):1464–71
Diphasic ventilatory response to hypoxia in newborn lambs. Bureau MA, et al. **J Appl Physiol** 1984 Jan;56(1):84–90
Interacting effects of hypoxia adaptation and acute hypercapnia on oxygen tolerance in rats. Clark JM. **J Appl Physiol** 1984 May;56(5):1191–8
Polycythemia and the acute hypoxic response in awake rats following chronic hypoxia. Fried R, et al. **J Appl Physiol** 1983 Oct;55(4):1167–72
Ventilatory response of intact cats to carbon monoxide hypoxia. Gautier H, et al. **J Appl Physiol** 1983 Oct; 55(4):1064–71
Hypoxic pulmonary vasoconstriction during steady and pulsatile flow in ferrets. Gregory TJ, et al. **J Appl Physiol** 1984 Jul;57(1):205–12
Hypocapnia and sustained hypoxia blunt ventilation on arrival at high altitude. Huang SY, et al. **J Appl Physiol** 1984 Mar;56(3):602–6
Effects of unilateral hypoxia on neuroepithelial bodies in rabbit lungs. Lauweryns JM, et al. **J Appl Physiol** 1983 Dec;55(6):1665–8
Central origin of biphasic breathing pattern during hypoxia in newborns. Lawson EE, et al. **J Appl Physiol** 1983 Aug; 55(2):483–8
Effects of hypercapnia and hypoxia on abdominal expiratory nerve activity. Ledlie JF, et al. **J Appl Physiol** 1983 Nov; 55(5):1614–22
Influence of ischemia and hypoxia on breathing in ducks. Lillo RS, et al. **J Appl Physiol** 1983 Aug;55(2):400–8
Neurotransmitters and biphasic respiratory response to hypoxia. Long WA, et al. **J Appl Physiol** 1984 Jul; 57(1):213–22
Effect of catecholamine depletion on ventilatory control in unanesthetized normoxic and hypoxic rats. McCrimmon DR, et al. **J Appl Physiol** 1983 Aug;55(2):522–8
Angiotensin is not required for hypoxic constriction in salt solution–perfused rat lungs. McMurtry IF. **J Appl Physiol** 1984 Feb;56(2):375–80
Metabolic and respiratory hydrogen ion effects on hypoxic pulmonary vasoconstriction. Marshall C, et al. **J Appl Physiol** 1984 Aug;57(2):545–50
Site and sensitivity for stimulation of hypoxic pulmonary vasoconstriction. Marshall C, et al. **J Appl Physiol** 1983 Sep;55(3):711–6
Interaction between norepinephrine and hypoxia on carotid body chemoreception in rabbits. Milsom WK, et al. **J Appl Physiol** 1983 Dec;55(6):1893–8
Variable inhibition by falling CO2 of hypoxic ventilatory response in humans. Moore LG, et al. **J Appl Physiol** 1984 Jan;56(1):207–10
Metabolic acids and [H+] regulation in brain tissue during acclimatization to chronic hypoxia. Musch TI, et al. **J Appl Physiol** 1983 Nov;55(5):1486–95
Effect of alveolar hypoxia on regional pulmonary perfusion. Neumann PH, et al. **J Appl Physiol** 1984 Feb;56(2):338–42
Effects of chronic hypoxia on pulmonary vascular responses to biogenic amines. Porcelli RJ, et al. **J Appl Physiol** 1983 Aug;55(2):534–40
Relationship of hypoxic ventilatory response to exercise performance on Mount Everest. Schoene RB, et al. **J Appl Physiol** 1984 Jun;56(6):1478–83
Inhibition of glycolysis potentiates hypoxic vasoconstriction in rat lungs. Stanbrook HS, et al. **J Appl Physiol** 1983 Nov; 55(5):1467–73
Responses in cutaneous vascular tone to transient hypoxia in man. Kollai M. **J Auton Nerv Syst** 1983 Nov; 9(2–3):497–512
Effect of topical adenosine deaminase treatment on the functional hyperemic and hypoxic responses of cerebrocortical microcirculation. Dóra E, et al. **J Cereb Blood Flow Metab** 1984 Sep;4(3):447–57
Comparison of cerebrovascular response to hypoxic and carbon monoxide hypoxia in newborn and adult sheep. Koehler RC, et al. **J Cereb Blood Flow Metab** 1984 Mar; 4(1):115–22
Effects of exercise on lung lymph flow in sheep and goats during normoxia and hypoxia. Coates G, et al. **J Clin Invest** 1984 Jul;74(1):133–41
Systemic circulatory adjustments to acute hypoxia and reoxygenation in unanesthetized sheep. Role of renin, angiotensin II, and catecholamine interactions. Davidson D, et al. **J Clin Invest** 1984 Feb;73(2):317–28
Regulation of breathing rhythm in the newborn. The role of brainstem immaturity and inhibition. Henderson-Smart DJ. **J Dev Physiol** 1984 Feb;6(1):83–92 (53 ref.)
Respiration during chronic hypoxia and hyperoxia in larval and adult bullfrogs (Rana catesbeiana). I. Morphological responses of lungs, skin and gills. Burggren W, et al. **J Exp Biol** 1983 Jul;105:191–203
Changes in activity and ventilation in response to hypoxia in unrestrained, unoperated dogfish (Scyliorhinus canicula L.). Metcalfe JD, et al. **J Exp Biol** 1984 Jan;108:411–8
Respiration during chronic hypoxia and hyperoxia in larval and adult bullfrogs (Rana catesbeiana). II. Changes in respiratory properties of whole blood. Pinder A, et al. **J Exp Biol** 1983 Jul;105:205–13
Enhanced suppression of myocardial slow action potentials during hypoxia by free fatty acids. Harada H, et al. **J Mol Cell Cardiol** 1984 Mar;16(3):261–76
Combined effects of hypoxia, hyperkalemia and acidosis on membrane action potential and excitability of guinea-pig ventricular muscle. Kodama I, et al. **J Mol Cell Cardiol** 1984 Mar;16(3):247–59
Effects of hypoxia and altered K0 on the membrane potential of rabbit ventricle. Ruiz-Ceretti E, et al. **J Mol Cell Cardiol** 1983 Dec;15(12):845–54
Differential response of the pulmonary circulation to prostaglandins E2 and F2 alpha in the presence of unilateral alveolar hypoxia. Sprague RS, et al. **J Pharmacol Exp Ther** 1984 Apr;229(1):38–43
Reduction of maximum heart rate in acute, severe hypoxia. Mori S, et al. **Jpn J Physiol** 1983;33(3):503–6
Flunarizine and verapamil: effects on central nervous system and peripheral consequences of cytotoxic hypoxia in rats. Dubinsky B, et al. **Life Sci** 1984 Mar 26;34(13):1299–306
The role of prostacyclin in the hypercapnic and hypoxic cerebrovascular dilations. McCalden TA, et al. **Life Sci** 1984 May 7;34(19):1801–7
A comparison of breathing pattern between transient and steady state hypoxia in awake dogs. Lee LY, et al. **Lung** 1984;162(1):15–26
Effects of accumulation of phosphocreatine on the survival time of thin hippocampal slices from the guinea pig during deprivation of both oxygen and glucose. Okada Y, et al. **Neurosci Lett** 1983 Oct 31;41(1–2):119–24
Effect of hypoxia on laryngeal reflex apnea—implications for sudden infant death. Lanier B, et al. **Otolaryngol Head Neck Surg** 1983 Dec;91(6):597–604
Lung fluid balance in hypoxic lambs. Hansen TN, et al. **Pediatr Res** 1984 May;18(5):434–40
Oxygen transport in the intact hypoxic newborn lamb: acute effects of increasing P50. Lister G. **Pediatr Res** 1984 Feb; 18(2):172–7
Retinal and choroidal blood flows in hypoxic and hypercarbic newborn lambs. Milley JR, et al. **Pediatr Res** 1984 May;18(5):410–4
Gastrointestinal blood flow and oxygen consumption in the newborn lamb: effect of chronic anemia and acute hypoxia. Nowicki PT, et al. **Pediatr Res** 1984 May;18(5):420–5
The effect of hypoxia on neurohypophyseal hormone release in fetal and maternal sheep. Stegner H, et al. **Pediatr Res** 1984 Feb;18(2):188–91
Characterization of the stimulus–response curve for hypoxic pulmonary vasoconstriction. Marshall C, et al. **Pflugers Arch** 1983 Jul;398(2):93–5
Vascular membrane permeability during hypoxia. Ebeigbe AB. **Pharmacol Res Commun** 1984 Apr;16(4):351–8
Protective effects of Ca++-antagonist agents on the cerebral electrical activity during anoxia in the rat. Tolu E, et al. **Pharmacol Res Commun** 1983 Oct;15(9):833–42
Comparison of cardiopulmonary responses of male and female rats to intermittent high altitude hypoxia. Oštádal B, et al. **Physiol Bohemoslov** 1984;33(2):129–38
The role of vagal nerves in changes of functional residual lung capacity during acute hypoxia. Vízek M, et al. **Physiol Bohemoslov** 1983;32(4):318–23
Response of rat coronary circulation to carbon monoxide and nitrogen hypoxia. McGrath JJ, et al. **Proc Soc Exp Biol Med** 1984 Oct;177(1):132–6
Human muscle adaptations to chronic hypoxia. Boutellier U, et al. **Prog Clin Biol Res** 1983;136:273–85
Ventilatory regulation in hypoxic sleep: introduction. Dempsey JA. **Prog Clin Biol Res** 1983;136:61–3 (2 ref.)
Hypoxic fraction determinations with the BA1112 rat sarcoma: variation within and among assay techniques. Moulder JE, et al. **Radiat Res** 1984 Jun;98(3):536–48
Factors associated with the preincubation effect of hypoxic cell sensitizers in vitro and their possible implications in chemosensitization. Roizin-Towle L, et al. **Radiat Res** 1984 Jun;98(3):506–18
The role of hypoxia in sleep, and its function as a precursory etiologic mechanism for the REM state: a hypothesis. Siva Sankar DV. **Res Commun Chem Pathol Pharmacol** 1984 May;44(2):335–6
Response of the left ventricular connective tissue to hypoxia. Genovese A, et al. **Res Exp Med (Berl)** 1983;183(2):111–5
Effects of hypoxia on lung volume in the garter snake. Bartlett D Jr, et al. **Respir Physiol** 1983 Jul;53(1):63–70
Hypoxic pulmonary vasoconstriction in chronically hypoxic rats. Bee D, et al. **Respir Physiol** 1984 Apr;56(1):91–103
The effects of unilateral carotid body excision on ventilatory control in goats. Busch MA, et al. **Respir Physiol** 1983 Dec;54(3):353–61
Factors affecting the respiratory and cardiovascular responses to hypercapnic hypoxia, in mallard ducks. Butler PJ, et al. **Respir Physiol** 1983 Jul;53(1):109–27
Stimulation of tracheal slowly adapting stretch receptors by hypercapnia and hypoxia. Fisher JT, et al. **Respir Physiol** 1983 Sep;53(3):325–39
The effects of hypercapnia and hypoxia on single hypoglossal nerve fiber activity. Mitra J, et al. **Respir Physiol** 1983 Oct; 54(1):55–66
Probable strain differences of rats in susceptibilities and cardiopulmonary responses to chronic hypoxia. Ou LC, et al. **Respir Physiol** 1983 Sep;53(3):367–77
Dynamic changes of hypoglossal and phrenic activities by hypoxia and hypercapnia. St. John WM, et al. **Respir Physiol** 1984 May;56(2):237–44
Modification of the 'dividing bradycardia' by hypoxia or exercise. Smeland EB, et al. **Respir Physiol** 1984 May; 56(2):245–51
Reflex hypoxic drive to respiration during the menstrual cycle. Takano N. **Respir Physiol** 1984 May;56(2):229–35
Cardiopulmonary response to acute altitude exposure: water loading and denitrogenation. Tucker A, et al. **Respir Physiol** 1983 Dec;54(3):363–80
Zymosan activation of plasma reduces hypoxic pulmonary vasoconstriction. Weir EK, et al. **Respir Physiol** 1983 Sep; 53(3):295–306
Hypoxic pressor responses in lungs from rats acutely exposed to simulated high altitude. Greenlees KJ, et al. **Respiration** 1984;45(3):169–74
Restoration of hypoxic pulmonary vasoconstriction following normoxia in isolated dog lungs occurs in the presence but not in the absence of prostaglandin synthesis inhibitors. Littner MR, et al. **Respiration** 1983;44(6):450–9
Human physiology at extreme altitudes on Mount Everest. West JB. **Science** 1984 Feb 24;223(4638):784–8
Butanediol induced cerebral protection from ischemic-hypoxia in the instrumented Levine rat. Lundy EF, et al. **Stroke** 1984 May–Jun;15(3):547–52
Physicians on Mount Everest. A clinical account of the 1981 American Medical Research Expedition to Everest. Sarnquist FH. **West J Med** 1983 Oct;139(4):480–5
[Decompression during lowered air pressure] Bühlmann AA. **Schweiz Med Wochenschr** 1984 Jun 30;114(26):942–7 (Eng. Abstr.) **(Ger)**
[Effects of chronic hypoxia on microcirculation of the central nervous system during embryonic development] Roncali L, et al. **Boll Soc Ital Biol Sper** 1984 Jan 30;60(1):37–43 (Eng. Abstr.) **(Ita)**
[Influence of hypoxia on experimental inflammation tests] Cerrati A, et al. **Riv Med Aeronaut Spaz** 1982 Jan–Dec; 47(1–4):79–84 (Eng. Abstr.) **(Ita)**
[Low responders and hypoxic depression in hypoxic ventilatory responses] Nishimura M, et al. **Kokyu To Junkan** 1984 Apr;32(4):349–56 (38 ref.) **(Jpn)**
[New therapeutic agents and hypoxic pulmonary vasoconstriction] Watanabe S. **Kokyu To Junkan** 1983 Aug; 31(8):820–7 (63 ref.) **(Jpn)**
[The effects of nocturnal hypoxia on pulmonary hemodynamics] Naito M, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Nov; 21(11):1075–82 (Eng. Abstr.) **(Jpn)**
[The FHR variability of 'Shiba goats' in acute hypoxic state] Okai T. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Apr; 36(4):539–48 (Eng. Abstr.) **(Jpn)**
[Theoretical basis of physiopathological aspects of disorders of homeostasis in parturients in relation to their physical condition and fetal risk factors] Brodziński W. **Ginekol Pol** 1983 Jul;54(7):471–6 (Eng. Abstr.) **(Pol)**
[Spleen and thymus lymphoid tissue in hypoxia (a biometric study)] Fedulov OI. **Arkh Anat Gistol Embriol** 1984 Feb; 86(2):81–5 (Eng. Abstr.) **(Rus)**
[Effect of an emotionally painful stress on the resistance of the portal vein contractile function to changes in calcium concentration and the effect of anoxia] Meerson FZ, et al. **Biull Eksp Biol Med** 1983 Oct;96(10):12–4 (Eng. Abstr.) **(Rus)**
[Effect of a hypoxic-hypercapnic gaseous medium and lowered temperature on the functional state of the rat hypothalamo-hypophyseal-thyroid system] Mogutov SS, et al. **Biull Eksp Biol Med** 1984 Feb;97(2):136–9 (Eng. Abstr.) **(Rus)**
[Coronary circulation in cats exposed to different gaseous media] Sanotskaia NV, et al. **Biull Eksp Biol Med** 1984 Mar;97(3):280–2 (Eng. Abstr.) **(Rus)**
[Changes in oxidation-reduction processes in rats with anemia, caused by alkylating preparations, in mountainous climatic conditions] Krasiuk AN. **Fiziol Zh** 1984 Mar–Apr; 30(2):222–6 **(Rus)**
[Evaluation of the efficiency of intrapulmonary gas exchange during muscular work under hypoxic hypoxia] Nizovtsev VP, et al. **Fiziol Zh** 1984 Jul–Aug;30(4):494–8 **(Rus)**
[Various results of studies on the problem of hypoxia] Seredenko MM. **Fiziol Zh** 1984 May–Jun;30(3):355–62 (Eng. Abstr.) **(Rus)**
[Distribution of blood flow in the brain, kidney, intestine, spleen and hindlimb of cats with acute hypoxia] Iripkhanov BB, et al. **Fiziol Zh SSSR** 1984 May;70(5):728–31 **(Rus)**
[Reaction of the supraoptic and paraventricular hypothalamic nuclei to cooling in rats in an altered gaseous environment] Sergeeva ES, et al. **Fiziol Zh SSSR** 1983 Sep;69(9):1238–43 **(Rus)**
[Resistive, capacitive and metabolic functions of the vessels of the small intestine in acute hypoxic hypoxia] Tkachenko BI, et al. **Fiziol Zh SSSR** 1984 May;70(5):659–66 (Eng. Abstr.) **(Rus)**
[Health assessment of the biological effects of oxygen deficiency in the environment] Shandala MG, et al. **Gig Sanit** 1983 Sep;(9):65–7 **(Rus)**
[Effectiveness of training animals to adapt to hypoxia during sleep] Malkin VB, et al. **Kosm Biol Aviakosm Med** 1984 Mar–Apr;18(2):67–70 (Eng. Abstr.) **(Rus)**
[Reactions of the adreno-hypothalamo-hypophyseal system in rats chilled in a hypoxic-hypercapnic gaseous medium] Mogutov SS, et al. **Kosm Biol Aviakosm Med** 1984 May–Jun;18(3):61–5 (Eng. Abstr.) **(Rus)**
[Effect of long-term adaptation of rats to hypoxia on the proliferation of bone marrow erythroid cells. I. An increase in cell flows and a decrease in the duration of mitosis]

Gushchin VA, et al. **Tsitologiia** 1984 Feb;26(2):215–23 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Oxygen deficiency hazards associated with liquefied gas systems: derivation of a program of controls. Miller TM, et al. **Am Ind Hyg Assoc J** 1984 May;45(5):293–8

A simple, fool–proof method to prevent hypoxic accidents [letter] Zorab JS. **Anesthesiology** 1984 May;60(5):515–6

Changes in the rheologic properties of blood after a high altitude expedition. Palareti G, et al. **Angiology** 1984 Jul; 35(7):451–8

Phenytoin: ineffective against acute mountain sickness. Burse RL, et al. **Aviat Space Environ Med** 1982 Mar;53(3):221–5

Mild hypoxia and the use of oxygen in flight. Ernsting J. **Aviat Space Environ Med** 1984 May;55(5):407–10

The anti–hypoxaemic effect of cyclandelate in man measured in human volunteers using computer–assisted oculodynamic methodology. Schaffler K. **Br J Clin Pract [Symp Suppl]** 1984;34:51–7

The effects of acetazolamide and spironolactone on the body water distribution of rabbits during acute exposure to simulated altitude. Jain SC, et al. **Int J Biometeorol** 1984 May;28(2):101–7

Prevention of acute mountain sickness by dexamethasone. Johnson TS, et al. **N Engl J Med** 1984 Mar 15;310(11):683–6

[Peculiarities of respiration mechanics in spontaneously breathing newborn infants. 1. Principles of the measurement technics] Wauer RR, et al. **Z Erkr Atmungsorgane** 1983; 161(3):306–18 (Eng. Abstr.) **(Ger)**

[Comparison of the antihypoxic effect of alpha–tocopherol, NAD and inosine during prolonged artificial circulation] Stupin IV, et al. **Farmakol Toksikol** 1984 Jan–Feb; 47(1):88–93 (Eng. Abstr.) **(Rus)**

[Effect of long–term obzidan administration on hypoxic resistance and thrombocyte aggregation in rats adapting to moderate altitude (1600 m)] Aliev MA, et al. **Kosm Biol Aviakosm Med** 1983 Jul–Aug;17(4):88–90 **(Rus)**

[Effect of sodium hydroxybutyrate on resistance to hypoxia and thrombocyte aggregation in the rat in different ecological situations] Aliev MA, et al. **Patol Fiziol Eksp Ter** 1983 Nov–Dec;(6):15–8 (Eng. Abstr.) **(Rus)**

[Effect of chronic hemolytic anemia on myocardial contraction and increase of the resistance of the heart to hypoxia] Meerson FZ, et al. **Patol Fiziol Eksp Ter** 1983 Sep–Oct;(5):25–9 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

Hyperactive and hypoxic children: signal detection, sustained attention, and behavior. O'Dougherty M, et al. **J Abnorm Psychol** 1984 May;93(2):178–91

Evidence bearing on the generalizability of laboratory findings relating to high–altitude mountaineering. Milne D, et al. **Percept Mot Skills** 1983 Aug;57(1):172–4

RADIOTHERAPY

The radiation response of hypoxic cells in EMT6 spheroids in suspension culture does model data from EMT6 tumors. Franko AJ, et al. **Radiat Res** 1983 Dec;96(3):497–504

THERAPY

Infant oxygen administration by modified nasal cannula. Kloor TH Jr, et al. **Clin Pediatr (Phila)** 1984 Sep; 23(9):477–9

Tissue hypoxia in patients with idiopathic fibrosing alveolitis and the effect of oxygen therapy. Daum S, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:954–7

The change in hypoxic and chronically hypoxic cell fraction in murine tumors treated with hyperthermia. Urano M, et al. **Radiat Res** 1983 Dec;96(3):549–59

[Optimal oxygen therapy for newborn infants] Duc G. **Arch Fr Pediatr** 1984 May;41(5):359–67 **(Fre)**

[Differentiated approach to the treatment of hypoxia in newborn infants] Shabalov NP, et al. **Akush Ginekol (Mosk)** 1984 Mar;(3):16–23 **(Rus)**

URINE

Excretion of vasopressin in the hypoxic lamb: comparison between fetus and newborn. Daniel SS, et al. **Pediatr Res** 1984 Mar;18(3):227–31

VETERINARY

Cardiovascular adjustments to various degrees of acute isocapnic hypoxia in dogs. Tucker A, et al. **Am J Vet Res** 1984 Jan;45(1):104–8

[Respiratory complications during anesthesia in the horse] Schatzmann U. **Berl Munch Tierarztl Wochenschr** 1983 Sep 1;96(9):311–2 (Eng. Abstr.) **(Ger)**

ANOXIA, FETAL see **FETAL ANOXIA**

ANSERINE see under **DIPEPTIDES**

ANT VENOMS see under **ARTHROPOD VENOMS**

ANTACIDS

Acid aspiration: recurring myths [letter] Crawford JS. **Anesth Analg** 1984 Jul;63(7):699–700

Physiochemical interpretation of pH–stat titration of amorphous aluminum hydroxycarbonate. Scholtz EC, et al. **J Pharm Sci** 1983 Aug;72(8):973–5

[Antacids: study of potentiation, neutralization kinetics and financial cost] Leal SS, et al. **AMB** 1983 Sep–Oct; 29(9–10):149–54 (Eng. Abstr.) **(Por)**

[Antacid capacity, sodium content and osmolarity of various antacids] Csendes A, et al. **Rev Med Chil** 1983 Nov; 111(11):1134–8 (Eng. Abstr.) **(Spa)**

ADMINISTRATION & DOSAGE

15 (R)–15–methyl prostaglandin E2 does not prevent gastrointestinal bleeding in seriously ill patients. Skillman JJ, et al. **Am J Surg** 1984 Apr;147(4):451–5

Does twice the volume of antacid have twice the effect in pregnant women at term? O'Sullivan GM, et al. **Anesth Analg** 1984 Aug;63(8):752–6

Cimetidine–antacid combination as premedication for elective cesarean section [letter] Toung TJ, et al. **Can Anaesth Soc J** 1984 May;31(3 Pt 1):342

Single–drug and combined medication with cimetidine, antacids and pirenzepine in the prophylaxis of acute upper gastrointestinal bleeding. Tryba M, et al. **Hepatogastroenterology** 1983 Aug;30(4):154–7

Two antacid regimens in the treatment of chronic duodenal ulcer. Pan S, et al. **Taiwan I Hsueh Hui Tsa Chih** 1984 Apr;83(4):373–80

[Effect of various therapeutic schedules of antacids on the pH of gastric contents in patients with duodenal ulcer] Ribeiro T de C, et al. **Arq Gastroenterol** 1983 Jan–Mar; 20(1):3–7 (Eng. Abstr.) **(Por)**

ADVERSE EFFECTS

Ranitidine and theophylline [letter] Dobbs JH, et al. **Ann Intern Med** 1984 May;100(5):769

Increased vomiting induced by an antiemetic drug. Sinaasappel M, et al. **Arch Dis Child** 1984 Mar;59(3):272–4

Amphojeloma: antacid impaction in a critically ill patient. Girotti MJ, et al. **Can J Surg** 1984 Jul;27(4):379–80, 382

The effect of antacids or cimetidine on the oropharyngeal flora of outpatients in a gastroenterology clinic (letter). Jones B, et al. **Chest** 1984 Feb;85(2):295–6

Magnesium load induced by ingestion of magnesium–containing antacids. Lembcke B, et al. **Contrib Nephrol** 1984;38:185–94

Antacid use in an ambulatory elderly population. A report from Dunedin Program. Stewart RB, et al. **Dig Dis Sci** 1983 Dec;28(12):1062–9

Daonil versus diovol [letter] Agarwal BD. **J Assoc Physicians India** 1983 Apr;31(4):259

Silicate urolithiasis. Farrer JH, et al. **J Urol** 1984 Oct; 132(4):739–40

[Adverse side–effects of calcium carbonate containing antacids (letter)] **Tidsskr Nor Laegeforen** 1983 Dec 10; 103(34–36):2354–6 **(Nor)**

[Severe adverse effects after using calcium carbonate antacids] Ulrichsen H, et al. **Tidsskr Nor Laegeforen** 1983 Oct 30;103(30):2052–5 **(Nor)**

[Osteomalacia and severe backache as a complication of long–term intake of Novalucol] Fredstorp L, et al. **Lakartidningen** 1984 Feb 1;81(5):359–60 **(Swe)**

ANALYSIS

Simultaneous determination of methyl, ethyl, propyl, and butyl 4–hydroxybenzoates and 4–hydroxybenzoic acid in liquid antacid formulations by gas chromatography. Schieffer GW, et al. **J Pharm Sci** 1984 Jan;73(1):128–31

Antacid tablets strength and neutralization rate. Dondi G, et al. **Pharm Acta Helv** 1983;58(9–10):259–62

Effect of composition on the neutralizing properties of antacid preparations. Pawlaczyk J, et al. **Pharmazie** 1984 May;39(5):334–6

[Spectrophotometric determination of aldioxa in pharmaceutical preparations] Sato K, et al. **Yakugaku Zasshi** 1983 Oct;103(10):1100–2 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

The effect of sodium citrate on the pH and the amount of gastric contents before general anaesthesia. Schmidt JF, et al. **Acta Anaesthesiol Scand** 1984 Jun;28(3):263–5

Antacids and theophylline–ranitidine interaction [letter] Fernandes E, et al. **Ann Intern Med** 1984 Aug;101(2):279

Comparison of antacids on the binding of bile salts. Cousar GD, et al. **Arch Surg** 1984 Sep;119(9):1018–20

Effect of antacid on the bioavailability of lithium carbonate. Goode DL, et al. **Clin Pharm** 1984 May–Jun;3(3):284–7

Acid–neutralizing capacity and sodium content of antacid products from Belgium. Gombatz VW. **Clin Ther** 1984; 6(2):151–4

Effect of aluminium phosphate on the bioavailability of cimetidine and prednisolone. Albin H, et al. **Eur J Clin Pharmacol** 1984;26(2):271–3

Effect of pirenzepine and antacids on postprandial intragastric pH. Weberg R, et al. **Hepatogastroenterology** 1983 Oct;30(5):202–4

A comparative assessment of a new antacid formulation based on magaldrate. McCafferty DF, et al. **J Clin Hosp Pharm** 1983 Dec;8(4):349–55

Absolute bioavailability and effect of food and antacid on diazepam absorption from a slow–release preparation. Locniskar A, et al. **J Clin Pharmacol** 1984 May–Jun; 24(5–6):255–63

Effect of antacids on the dissolution behaviour of methacycline and doxycycline. Sultana N, et al. **JPMA** 1984 Mar;34(3):59–63

The effects of antacid and propantheline on the absorption of oral ranitidine. Donn KH, et al. **Pharmacotherapy** 1984 Mar–Apr;4(2):89–92

Oral absorption of chlortetracycline in turkeys: influence of citric acid and Pasteurella multocida infection. Pollet RA, et al. **Poult Sci** 1984 Jun;63(6):1110–4

[In vitro study of the neutralizing effect of the most frequently used antacids] Matincheva R, et al. **Vutr Boles** 1983;22(5):43–7 (Eng. Abstr.) **(Bul)**

[In vitro studies on effect of particle size of bismuth subcarbonate on antacid effectiveness] Liu CT, et al. **Yao Hsueh Hsueh Pao** 1983 Aug;18(8):630–2 (Eng. Abstr.) **(Chi)**

[Effect of an antacid (Dimalan) on the gastric pH. Continuous 12–hour recording in the healthy subject (letter)] Aumais G, et al. **Gastroenterol Clin Biol** 1983 Nov;7(11):931–2 **(Fre)**

[Effects of a shielding antacid on changes in the gastric potential difference induced by aspirin in man] Florent C, et al. **Gastroenterol Clin Biol** 1984 Apr;8(4):359–63 (Eng. Abstr.) **(Fre)**

[Effect of 3 antacids on the bioavailability of pirprofen] Sioufi A, et al. **Therapie** 1984 Jan–Feb;39(1):23–7 (Eng. Abstr.) **(Fre)**

[Antacids—how do they work?] **Fortschr Med** 1983 Oct 27; 101(40):1846 **(Ger)**

[The effect of 4 different antacids on the gastrointestinal tract and mineral metabolism] Matzkies F, et al. **Fortschr Med** 1984 Jun 28;102(24):661–5 (Eng. Abstr.) **(Ger)**

[The effect pf antacids on the tissue histamine and prostaglandin (PGE2) content of the gastric mucosa] Reimann HJ, et al. **Fortschr Med** 1984 Jul 12; 102(25–26):697–700 (Eng. Abstr.) **(Ger)**

[A comparison of liquid antacids] Peled Y, et al. **Harefuah** 1983 Sep;105(5–6):110–2 (Eng. Abstr.) **(Heb)**

THERAPEUTIC USE

Efficacy of clear antacid prophylaxis in obstetrics. Abboud TK, et al. **Acta Anaesthesiol Scand** 1984 Jun;28(3):301–4

Controlled trial of medical therapy for active upper gastrointestinal bleeding and prevention of rebleeding. Zuckerman G, et al. **Am J Med** 1984 Mar;76(3):361–6

Treating pressure sores with or without antacid. Becker L, et al. **Am J Nurs** 1984 Mar;84(3):351–2

Sodium citrate as a pre–operative antacid [letter] Banning A, et al. **Anaesthesia** 1984 Aug;39(8):843

Magnesium trisilicate mixture BP. Its physical characteristics and effectiveness as a prophylactic. Crawford JS, et al. **Anaesthesia** 1984 Jun;39(6):535–9

Ranitidine and single–dose antacid therapy as prophylaxis against acid aspiration syndrome in obstetric practice. Gillett GB, et al. **Anaesthesia** 1984 Jul;39(7):638–44

Antacid prophylaxis in the pregnant patient [letter] Laishley RS. **Anaesthesia** 1984 Aug;39(8):833

Antacid prophylaxis in the pregnant patient [letter] O'Sullivan G, et al. **Anaesthesia** 1983 Oct;38(10):998–9

Effectiveness of Bicitra as a preoperative antacid. Gibbs CP, et al. **Anesthesiology** 1984 Jul;61(1):97–9

Medical management of gastric ulcer. LaBrooy SJ. **Ann Acad Med Singapore** 1983 Oct;12(4):548–54 (67 ref.)

Cimetidine – antacid combination as premedication for elective Caesarean section. Okasha AS, et al. **Can Anaesth Soc J** 1983 Nov;30(6):593–7

Medical and surgical treatment of chronic gastric ulcer. Kelly KA, et al. **Clin Gastroenterol** 1984 May;13(2):621–34 (44 ref.)

Antacids and anticholinergics in the treatment of duodenal ulcer. Walan A. **Clin Gastroenterol** 1984 May;13(2):473–99 (117 ref.)

Effect of antacids on intragastric pH in healthy subjects and duodenal ulcer patients. Influence of the size of the antacid dose and of anticholinergics. Uusitalo A, et al. **Clin Physiol** 1983 Dec;3(6):503–11

A new series of oral medications for chronic (cancer) pain relief. Baker JP. **Compr Ther** 1984 May;10(5):48–54

Giant duodenal ulcers [letter] Bianchi Porro G, et al. **Dig Dis Sci** 1984 Aug;29(8):781

Oral rehydration therapy: efficacy of sodium citrate equals to sodium bicarbonate for correction of acidosis in diarrhoea. Islam MR, et al. **Gut** 1984 Aug;25(8):900–4

Low dose antacid therapy for duodenal ulcer. Kumar N, et al. **Indian J Gastroenterol** 1983 Jul;2(2):83–4

Ranitidine, cimetidine and antacids in the prevention of recurrence after healed duodenal ulcer: one–year experience. Bresci G, et al. **Int J Tissue React** 1983; 5(4):345–8

Comparison of dicyclomine with antacid and without antacid in dyspepsia. Kagan G, et al. **J Int Med Res** 1984; 12(3):174–8

Open safety–in–use trial of a new high–potency antacid product. Pawlowski GJ, et al. **J Int Med Res** 1983; 11(4):239–42

Oral antacid treatment in clinical rumen acidosis. Van Amstel SR. **J S Afr Vet Assoc** 1983 Dec;54(4):265–6

Relapse rates in duodenal ulcer patients formerly treated with bismuth subcitrate or maintained with cimetidine [letter] Bianchi Porro G, et al. **Lancet** 1984 Sep 22;2(8404):698
A comparison of 4-week peptic ulcer healing rates following treatment with antacids and ranitidine. Bezuidenhout DJ, et al. **S Afr Med J** 1984 Jun 23;65(25):1007-9
Additional antacid does not increase the effect of cimetidine in gastric ulcer disease. Rune SJ, et al.
Scand J Gastroenterol 1984 Jan;19(1):56-8
[Treatment of duodenal ulcer with herbazol] Chakürski I. **Vutr Boles** 1984;23(1):18-23 (Eng. Abstr.) **(Bul)**
[Comparative studies of the therapeutic effect of a herbazol preparation with and without an antacid component in duodenal peptic ulcer patients] Chakürski I. **Vutr Boles** 1984;23(3):35-9 (Eng. Abstr.) **(Bul)**
[The choice of an antacid in therapy: use of in vivo methods (letter)] Caulin C, et al. **Gastroenterol Clin Biol** 1983 Nov; 7(11):931 **(Fre)**
[Intragastric pH increase using antacids or secretin for stress ulcer prevention in surgical risk patients] Lehmann L, et al. **Chirurg** 1984 Jul;55(7):455-60 (Eng. Abstr.) **(Ger)**
[Therapy of duodenal ulcer with low-dose antacids (letter)] Rohner HG, et al. **Dtsch Med Wochenschr** 1984 Mar 30; 109(13):517-8 **(Ger)**
[Changes in the transmural electric potential difference in the region of stomach ulcer. Local effect of sucralfate, aluminum hydroxide and magnesium trisilicate] Möckel W, et al. **Fortschr Med** 1984 Jul 12;102(25-26):709-12 (Eng. Abstr.) **(Ger)**
[Pathogenesis, diagnosis and therapy of ulcer diseases. 6. Therapy. Pharmacologic principles and antacid therapy] **Med Welt** 1983 Nov 25;34(47):14-8 **(Ger)**
[Pharmacoprophylaxis of hemorrhage in stress ulcer] Dammann HG, et al. **Clin Ter** 1983 Nov 15;107(3):167-75 (Eng. Abstr.) **(Ita)**
[Choline antagonists and antacids for the treatment of peptic ulcer] Saito T. **Nippon Rinsho** 1984 Jan;42(1):158-62 **(Jpn)**
[Neutralizing properties of alkalies produced by the Polish pharmaceutical industry] Mach T, et al. **Pol Tyg Lek** 1983 Nov 21;38(47):1477-80 **(Pol)**
[Current aspects of the therapy of gastroduodenal peptic ulcer] Castro L de P.
Rev Hosp Clin Fac Med Sao Paulo 1983 Mar-Apr; 38(2):90-102 (27 ref.) **(Por)**
[Antacid bifilact and its effectiveness in the treatment of chronic gastroduodenitis and ulcer disease in children] Dorofeichuk VG, et al. **Vopr Pitan** 1983 Nov-Dec;(6):30-3 (Eng. Abstr.) **(Rus)**
[Cimetidine or antacids?] Solís Herruzo JA, et al.
Med Clin (Barc) 1983 Sep 10;81(6):270-4 **(Spa)**

ANTAMANIDE see under **PEPTIDES, CYCLIC**

ANTAZOLINE see under **IMIDAZOLES**

ANTELOPES see under **ARTIODACTYLA**

ANTERIOR CHAMBER

Scleral trephination for subchoroidal effusion. Dellaporta A. **Arch Ophthalmol** 1983 Dec;101(12):1917-9
Secondary anterior chamber lens implantation. Lindstrom RL, et al. **CLAO J** 1984 Apr-Jun;10(2):133-6
Complications of intracapsular cataract extraction with anterior chamber implants. Shirley SY. **CLAO J** 1984 Apr-Jun;10(2):140-2
Rabbit immunization to xenogeneic red blood cells following anterior eye chamber inoculation. Dennis MW.
Experientia 1984 Mar 15;40(3):271-3
Fine structure of the pars intermedia of the pituitary gland autotransplanted into the anterior chamber of the frog eye. Nishiyama K, et al. **Fukushima J Med Sci** 1982 Dec; 29(1-2):33-44
Glass membrane in anterior chamber. Srivastava US, et al. **Indian J Ophthalmol** 1983 Mar;31(2):79-80
Scleral retraction forceps for anterior chamber lens implantation. Frey JL. **J Am Intraocul Implant Soc** 1983 Summer;9(3):343
Organization of the nervous tissue (hippocampus and septum) developing in the anterior eye chamber. I. General characteristic and non-neural elements. Zhuravleva ZN, et al. **J Hirnforsch** 1984;25(3):313-30
Sodium hyaluronate use during lens expression in extracapsular cataract surgery in rabbits. Rappazzo JA, et al. **Ophthalmic Surg** 1984 Feb;15(2):123-5
Enucleation-induced metastasis of intraocular melanomas in mice. Niederkorn JY. **Ophthalmology** 1984 Jun; 91(6):692-700
[A case of secondary ghost cell glaucoma with pseudohypopyon after cataract extraction] Psilas K, et al. **J Fr Ophtalmol** 1984;7(2):133-5 (Eng. Abstr.) **(Fre)**
[Pharmacokinetic studies after gentamicin injections into the anterior chamber of rabbits] Härting F, et al.
Fortschr Ophthalmol 1983;80(2):152-4 (Eng. Abstr.) **(Ger)**
[Iris angiography and endothelium microscopy in dysgenesis mesodermalis iridis et corneae] Bernsmeier H, et al.
Klin Monatsbl Augenheilkd 1983 Aug;183(2):128-31 (Eng. Abstr.) **(Ger)**
[Cellular immunity in influenza and enterovirus diseases of the anterior chamber of the eye] Savchuk LN, et al.
Oftalmol Zh 1983;38(3):180-3 (Eng. Abstr.) **(Rus)**
[Leukemic hypopyon in a patient in hematologic remission of acute leukemia] Vásquez LF, et al. **Sangre (Barc)** 1983; 28(3):358-9 (Eng. Abstr.) **(Spa)**

ABNORMALITIES

The Rieger syndrome. Jorgenson RJ, et al.
Am J Med Genet 1978;2(3):307-18
Anterior segment anomalies associated with the fetal alcohol syndrome. Miller MT, et al.
J Pediatr Ophthalmol Strabismus 1984 Jan-Feb;21(1):8-18
[Trisomy 7. Internal intersexuality (masculine uterus) and severe abnormality of the anterior chamber of the eye] Turleau C, et al. **Ann Genet (Paris)** 1984;27(2):115-7 (Eng. Abstr.) **(Fre)**

ANALYSIS

[Study of fibronectin in the angle of the anterior chamber by PAP method] Ogino T, et al.
Nippon Ganka Gakkai Zasshi 1984 Jan;88(1):85-90 (Eng. Abstr.) **(Jpn)**

ANATOMY & HISTOLOGY

Anterior chamber dimensions in patients with narrow angles and angle-closure glaucoma. Lee DA, et al.
Arch Ophthalmol 1984 Jan;102(1):46-50
Measurements of axial and peripheral anterior chamber depth: accuracy of a photographic method. Hitchings RA, et al. **Br J Ophthalmol** 1984 Mar;68(3):212-4
A method for measuring the anterior chamber. Manchester PT Jr. **J Am Intraocul Implant Soc** 1983 Summer;9(3):341-2

BLOOD SUPPLY

The effect of cataract surgery on the blood—aqueous barrier. Liesegang TJ, et al. **Ophthalmology** 1984 Apr;91(4):399-402
[Effects of anterior chamber irrigation on blood-aqueous barrier] Chou A, et al. **Nippon Ganka Gakkai Zasshi** 1983; 87(10):795-802 (Eng. Abstr.) **(Jpn)**

CYTOLOGY

The shift of Schlemm's canal during the remodelling of the chamber angle in the developing rat eye. Urner U, et al. **Doc Ophthalmol** 1984 May 30;57(3):263-77

EMBRYOLOGY

[Embryologic development of the angle of the anterior chamber of the human eye] Niu YJ.
Chung Hua Yen Ko Tsa Chih 1983 Sep;19(5):287-90 **(Chi)**

GROWTH & DEVELOPMENT

The occurrence of cell death during the remodelling of the chamber angle recess in the developing rat eye. Remé C, et al. **Graefes Arch Clin Exp Ophthalmol** 1983;221(3):113-21

IMMUNOLOGY

Intracameral inoculation of herpes simplex virus type I induces anterior chamber associated immune deviation. Whittum JA, et al. **Curr Eye Res** 1982-83;2(10):691-7
Anterior chamber-associated immune deviation induced by TNP-splenocytes (TNP-ACAID). II. Suppressor T-cell networks. Waldrep JC, et al. **Invest Ophthalmol Vis Sci** 1983 Oct;24(10):1339-45
Cyclophosphamide-sensitive contrasuppression in TNP-anterior chamber associated immune deviation (TNP-ACAID). Waldrep JC, et al. **J Immunol** 1983 Dec; 131(6):2746-50
Abrogation of anterior-chamber-induced suppression of delayed-type hypersensitivity responses by monoclonal anti-I-J antibodies. Niederkorn JY, et al.
Transplantation 1984 Jun;37(6):623-5
[Local immune responses in rabbit eyes sensitized with lens proteins] Sunakawa M, et al.
Nippon Ganka Gakkai Zasshi 1983;87(9):627-32 (Eng. Abstr.) **(Jpn)**

INNERVATION

Survival and growth of neurons with enkephalin-like immunoreactivity in fetal brain areas grafted to the anterior chamber of the eye. Björklund H, et al. **Neuroscience** 1983 Dec;10(4):1387-98

METABOLISM

Clearance from the anterior chamber of RBCs from human diabetics. Williams GA, et al. **Arch Ophthalmol** 1984 Jun; 102(6):930-1
Aqueous outflow pathway complex carbohydrate synthesis in vitro. Knepper PA, et al. **Invest Ophthalmol Vis Sci** 1983 Dec;24(12):1546-51
Kinetics of intraocular penetration of topical fluorescein: analysis by new method. Araie M. **Jpn J Ophthalmol** 1983; 27(3):421-33
Effect of timolol on the movement of water in the anterior chamber of the rabbit eye. Sopranzi N.
Methods Find Exp Clin Pharmacol 1983 Dec;5(10):715-7
[Metabolite-, total-protein and temperature behavior in the anterior segment and in the vitreous after vitreous elimination without lensectomy of the rabbit eye] Schelenz J, et al. **Fortschr Ophthalmol** 1983;80(2):155-8 (Eng. Abstr.) **(Ger)**

PARASITOLOGY

Intraocular filaria, a Loaina species, from man in Colombia. Botero D, et al. **Am J Trop Med Hyg** 1984 Jul;33(4):578-82
Ocular onchocerciasis with living microfilariae in the anterior chamber in two Dutch boys. Koppert HC.
Doc Ophthalmol 1983 Dec 15;56(1-2):161-4

PATHOLOGY

The endothelium in primary angle-closure glaucoma. Markowitz SN, et al. **Am J Ophthalmol** 1984 Jul 15; 98(1):103-4
Post-keratoplasty non-formation of anterior chamber. Mohan M, et al. **Indian J Ophthalmol** 1983 Sep;31(5):603-6
Ocular disease induced in mice by anterior chamber inoculation of herpes simplex virus. Whittum JA, et al. **Invest Ophthalmol Vis Sci** 1984 Sep;25(9):1065-73
Pathological and scanning electron microscopic evaluation of the 91Z intraocular lens. Mamalis N, et al.
J Am Intraocul Implant Soc 1984 Spring;10(2):191-9
Congenital aniridia: a histopathologic study of the anterior segment in children. Margo CE.
J Pediatr Ophthalmol Strabismus 1983 Sep-Oct;20(5):192-8
[Echography of foreign bodies in the anterior chamber] Loffredo A, et al. **Bull Mem Soc Fr Ophtalmol** 1983; 95:123-6 **(Fre)**
[Attempted treatment of the complications of epithelial invasion using the Krupin-Denver valve] Bacin F, et al. **Bull Soc Ophtalmol Fr** 1983 Apr;83(4):519-21 (Eng. Abstr.) **(Fre)**
[Thymoxamine and angle-closure glaucoma] Etienne R.
J Fr Ophtalmol 1983;6(12):971-4 (Eng. Abstr.) **(Fre)**
[Diffuse endothelialization of a cyclodialysis cleft: a light and electron microscopic study] Völcker HE, et al.
Klin Monatsbl Augenheilkd 1983 Sep;183(3):195-200 (Eng. Abstr.) **(Ger)**
[Histopathological study of anterior chamber angle after laser trabeculoplasty in cynomolgus monkeys (Macaca irus)] Masuyama Y. **Nippon Ganka Gakkai Zasshi** 1984 Jun; 88(6):1007-20 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Effect on the retina of an air cushion in the anterior chamber and coaxial illumination [letter] Aymond DK.
Am J Ophthalmol 1984 Mar;97(3):399-400
Ocular hypothermia: anterior chamber perfusion. May DR, et al. **Br J Ophthalmol** 1983 Dec;67(12):808-13
The arterially perfused enucleated rabbit eye as a model for studying aqueous humor formation. Kodama T, et al.
Ophthalmic Res 1983;15(5):225-33
[Development of mammalian nervous tissue transplanted into the brain and anterior chamber of the eye: problems and prospects] Vinogradova OS. **Ontogenez** 1984 May-Jun; 15(3):229-51 (147 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Fluorophotometric study of anterior segment barrier functions after extracapsular cataract extraction and posterior chamber intraocular lens implantation. Sawa M, et al. **Am J Ophthalmol** 1984 Feb;97(2):197-204
[The role of the parathalamus in covered sclerectomy] Lambrou N, et al. **Klin Monatsbl Augenheilkd** 1984 Apr; 184(4):259-60 (Eng. Abstr.) **(Ger)**

SURGERY

Anterior chamber membranectomy in pseudophakic endophthalmitis [letter] Marcus DF, et al.
Am J Ophthalmol 1984 Aug 15;98(2):239-40
Copeland radial pan-chamber lens for anterior and posterior chamber implantation. Praeger DL. **Ann Ophthalmol** 1984 May;16(5):427-33
Anterior segment viscosurgery with Healon. Proceedings of Australian seminars, May 1983. **Aust J Ophthalmol** 1983 Aug;11(3 Suppl):1-26
Artificial anterior chamber for the growing of membranes on lens implants. Wolter JR, et al.
Graefes Arch Clin Exp Ophthalmol 1983;221(2):55-60
A review of 100 cases of flexible anterior chamber lens implantation. Beehler CC. **J Am Intraocul Implant Soc** 1984 Spring;10(2):188-90
External trabeculotomy in the treatment of primary congenital glaucoma in Ghana. Bentsi-Enchill KO.
J R Coll Surg Edinb 1983 Sep;28(5):304-7
A system for variable aspiration of material dissected from the posterior chamber. Helfgott MA. **Ophthalmic Surg** 1984 Jun;15(6):529-30
Complications of rigid anterior chamber implants. Moses L.
Ophthalmology 1984 Jul;91(7):819-25
Secondary implantation of anterior chamber lenses. Leiske LG. **Trans New Orleans Acad Ophthalmol** 1984;:164-9
Anterior chamber implants: theoretical and practical considerations. Leiske LG.
Trans New Orleans Acad Ophthalmol 1984;:75-7
Chondroitin sulphate in anterior segment surgery. Carty JB.
Trans Ophthalmol Soc UK 1983;103 (Pt 3):263-4
[Development and complications of Kelman anterior chamber implants] Chatellier P, et al.
Bull Mem Soc Fr Ophtalmol 1983;95:59-62 **(Fre)**

[Anterior chamber implants with flexible loops (Simcoe anterior chamber implant)] de Laage P. **Bull Mem Soc Fr Ophtalmol** 1983;95:63–9 **(Fre)**

[Study of 100 cataract eyes operated on and the placement of a Kelman implant in the anterior chamber] Haut J, et al. **Bull Mem Soc Fr Ophtalmol** 1983;95:55–8 **(Fre)**

[Astigmatism and anterior chamber implants] Lemagne JM, et al. **Bull Mem Soc Fr Ophtalmol** 1983;95:52–4 **(Fre)**

[Comparison of a series of pupillary implants and a series of anterior chamber implants from the viewpoint of visual acuity] Massin M, et al. **Bull Mem Soc Fr Ophtalmol** 1983; 95:70–2 **(Fre)**

[Choyce's Mk IX implants after intracapsular extraction. Short and middle-term results] Girard P, et al. **J Fr Ophtalmol** 1984;7(1):5–9 (Eng. Abstr.) **(Fre)**

[Reconstruction of the anterior segment] Alberth B. **Fortschr Ophthalmol** 1983;80(3):218–9 (Eng. Abstr.) **(Ger)**

[Intracapsular cataract extraction using cyclodialysis. A useful method] McAllister JA, et al. **Klin Monatsbl Augenheilkd** 1984 Apr;184(4):283–6 (Eng. Abstr.) **(Ger)**

[Histological studies of the effects of argon laser irradiation on the anterior chamber angle of monkey eyes. 2. Observation in coronal sections] Kurosawa A, et al. **Nippon Ganka Gakkai Zasshi** 1984 Jan;88(1):167–72 (Eng. Abstr.) **(Jpn)**

[Permeability of rabbit uveal vessels following filtering surgery. 2. Effect of anti-inflammatory drugs] Tsuchisaka H, et al. **Nippon Ganka Gakkai Zasshi** 1983;87(9):661–5 (Eng. Abstr.) **(Jpn)**

[Goniotrephination by the Elliot–Fronimopoulos method. Personal experiences] Chrzanowska–Srzednicka K, et al. **Klin Oczna** 1983 May;85(5):221–3 (Eng. Abstr.) **(Pol)**

[Indications and therapeutic importance of paracentesis of the anterior chamber in inflammatory diseases of the anterior pole of the eyeball] Bănacu I, et al. **Rev Chir [Oftalmol]** 1983 Oct–Dec;27(4):285–8 (Eng. Abstr.) **(Rum)**

[Comparison of traditional surgery and transciliary vitrectomy in treating aphakic glaucoma with vitreal block and a shallow anterior chamber] Movshovich AI, et al. **Vestn Oftalmol** 1983 Jul–Aug;(4):13–5 (Eng. Abstr.) **(Rus)**

[Immediate and late results in variants of sinusotrabeculectomy] Perlamutrova VV, et al. **Vestn Oftalmol** 1983 Jul–Aug;(4):16–8 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

[Specular and electron microscopic studies of Chandler's syndrome: corneal endothelium and anterior chamber angle] Hamada R, et al. **Nippon Ganka Gakkai Zasshi** 1983; 87(10):751–9 (Eng. Abstr.) **(Jpn)**

ANTERIOR COMPARTMENT SYNDROME see under **COMPARTMENT SYNDROMES**

ANTERIOR HORN CELLS see under **MOTOR NEURONS**

ANTERIOR HYPOTHALAMIC AREA see **HYPOTHALAMIC AREA, ANTERIOR**

ANTERIOR HYPOTHALAMIC NUCLEUS see **HYPOTHALAMIC AREA, ANTERIOR**

ANTHELMINTICS

see related
ANTI-INFECTIVE AGENTS
ANTIPROTOZOAL AGENTS

Anthelmintic activity of ivermectin in pigs naturally infected with Ascaris and Trichuris. Schillhorn van Veen TW, et al. **Am J Vet Res** 1983 Sep;44(9):1732–3

Fasciola hepatica: the flukicidal effect of some anaesthetics and analgesics in common use. Burden DJ, et al. **Res Vet Sci** 1983 Sep;35(2):251–2

[3-substituted derivatives of 5-methylisoxazole with antiparasitic effects] Sváb A, et al. **Cesk Farm** 1983 Dec; 32(9–10):316–22 (Eng. Abstr.) **(Cze)**

[Diagnosis and anthelminthic action of Alsidium helminthocorton Kützing (Corsican moss), of Jania rubens Lamour and of Corallina officinalis L.] Balansard G, et al. **Ann Pharm Fr** 1983;41(1):77–86 (Eng. Abstr.) **(Fre)**

ADMINISTRATION & DOSAGE

Efficacy of ivermectin in oral paste formulation against immature gastrointestinal and pulmonary nematodes in cattle. Alva-Valdes R, et al. **Am J Vet Res** 1984 Apr; 45(4):685–6

Anthelmintic effect of febantel/praziquantel paste in dogs and cats. Corwin RM, et al. **Am J Vet Res** 1984 Jan; 45(1):154–5

Efficacy of ivermectin in injectable and oral paste formulations against eight-week-old Strongylus vulgaris larvae in ponies. Klei TR, et al. **Am J Vet Res** 1984 Jan; 45(1):183–5

Anthelmintic efficacy of avermectin B1a and dihydroavermectin B1a against ovine gastrointestinal nematodes in 1977. Todd KS Jr, et al. **Am J Vet Res** 1984 May;45(5):976–7

The efficacy of ivermectin against helminth and arthropod parasites of impala. Horak IG, et al. **J S Afr Vet Assoc** 1983 Dec;54(4):251–3

Control of ovine gastrointestinal helminthiasis by the use of 'clean' grazing and strategic dosing in the field. Mitchell GB, et al. **Res Vet Sci** 1983 Jul;35(1):100–5

Field studies with in-feed medication of pigs in the Netherlands using the anthelmintic thiophanate with particular reference to efficacy against Ascaris suum. Evans P, et al. **Vet Q** 1984 Jan;6(1):27–30

[Two cases of Ostertagia spp. in sheep showing resistance to benzimidazole anthelmintics] Van Schalkwyk PC, et al. **J S Afr Vet Assoc** 1983 Jun;54(2):93–8 (Eng. Abstr.) **(Afr)**

[Efficacy of albendazole as a pellet formulation against Ostertagia ostertagi and Cooperia oncophora in experimentally infected calves] Bauer C, et al. **DTW** 1984 Mar 8;91(3):96–8 (Eng. Abstr.) **(Ger)**

ANTAGONISTS & INHIBITORS

Triphasic locomotor response of a plant-parasitic nematode to avermectin: inhibition by the GABA antagonists bicuculline and picrotoxin. Wright DJ, et al. **Parasitology** 1984 Apr;88 (Pt 2):375–82

BLOOD

An HPLC procedure for the quantification of five metabolites of febantel in sheep serum. Delatour P, et al. **J Vet Pharmacol Ther** 1983 Sep;6(3):233–5

CHEMICAL SYNTHESIS

Synthesis of new 1-[5-(substituted phenoxymethyl)-1,3,4-oxadiazol-2-yl] -5-(substituted benzylidene)hydantoins as potential anthelminthic agents. Shukla JS, et al. **Arch Pharm (Weinheim)** 1983 Sep; 316(9):796–801

Syntheses and anthelmintic activity of alkyl 5(6)-(substituted-carbamoyl)- and 5(6)-(disubstituted-carbamoyl)benzimidazole-2-carbamate and related compounds. Kumar S, et al. **J Med Chem** 1984 Aug;27(8):1083–9

Synthesis of potential antifilarial agents. 1-(5-Benzoylbenzimidazol-2-yl)-3-alkyl- and -arylureas. Ram S, et al. **J Med Chem** 1984 Jul;27(7):914–7

CNS, anthelmintic and antiinflammatory activities of some 1-[2/3-(2-phenyl benzimidazole)]2-methyl/phenyl-4-(3,4-disubstituted benzylidene)5-oxo-imidazoles. Mohan RR, et al. **Pharmacol Res Commun** 1984 Apr;16(4):321–38

[2-(Guanidino)-anilides and related compounds. Synthesis and anthelmintic effect. 3. Anthelmintics] Wollweber H, et al. **Arzneimittelforsch** 1984;34(5):531–42 (Eng. Abstr.) **(Ger)**

ISOLATION & PURIFICATION

Anthelmintic coumarin from Ethulia conyzoides var. gracilis Asch. & Schweinf. Mahmoud ZF, et al. **Pharmazie** 1983 Jul;38(7):486–7

METABOLISM

Drug metabolism and tropical disease. Breckenridge A, et al. **Biochem Soc Trans** 1984 Feb;12(1):90–5

[Pharmacokinetics and urinary metabolism of albendazole in man] Penicaut B, et al. **Bull Soc Pathol Exot Filiales** 1983 Nov;76(5):698–708 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Anthelmintic studies on Setaria cervi: histochemical alterations in glucose-6-phosphatase, adenosine triphosphatase and malic dehydrogenase. Khatoon H, et al. **Acta Vet Acad Sci Hung** 1982;30(4):271–6

Histopathologic features of canine heartworm microfilarial infection after treatment with ivermectin. McManus EC, et al. **Am J Vet Res** 1984 Jan;45(1):91–7

Efficacy of albendazole against Fascioloides magna in sheep. Stromberg BE, et al. **Am J Vet Res** 1984 Jan;45(1):80–2

Efficacy of ivermectin against Dirofilaria immitis microfilariae in naturally infected dogs. Suderman MT, et al. **Am J Vet Res** 1984 May;45(5):1031–2

Antiparasitic efficacy of ivermectin in naturally parasitized sheep. Yazwinski TA, et al. **Am J Vet Res** 1983 Nov; 44(11):2186–7

The influence of some anthelmintics on the bioenergetic metabolism of Trichinella spiralis and Trichinella pseudospiralis. Boczon K, et al. **Biochem Pharmacol** 1984 Aug 1;33(15):2523–5

A comparison of the interaction of anthelmintic benzimidazoles with tubulin isolated from mammalian tissue and the parasitic nematode Ascaridia galli. Dawson PJ, et al. **Biochem Pharmacol** 1984 Apr 1;33(7):1069–74

Fasciola hepatica: motility response to fasciolicides in vitro. Fairweather I, et al. **Exp Parasitol** 1984 Jun;57(3):209–24

Angiostrongylus cantonensis: paralysis due to avermectin B1a and ivermectin. Terada M, et al. **Exp Parasitol** 1984 Apr; 57(2):149–57

In vitro studies of antibiotic (KT-199) on the hatching of eggs and survival of larvae of Meloidogyne incognita (Kofoid & White) Chitwood. Gowda DN, et al. **Hindustan Antibiot Bull** 1983 Aug-Nov;25(3-4):122–4

Studies on the efficacy of the antihelminthic antibiotic (KT-199) in the control of root-knot nematode Meloidogyne incognita (Kofoid and White) Chitwood on tomato. Nanje Gowda D, et al. **Hindustan Antibiot Bull** 1984 Feb-May;26(1-2):14–7

Action of three filaricides on adult Litomosoides carinii. Rathaur S, et al. **Indian J Med Res** 1983 Jun;77:808–12

Epidemiologic approach to the control of sheep nematodes. Herd RP, et al. **J Am Vet Med Assoc** 1984 Mar 15; 184(6):680–7

Studies of alkaline phosphatase inhibition by p-bromotetramisole in non-mineralizing and mineralizing neonatal hamster tooth germs in vitro. Lyaruu DM, et al. **J Biol Buccale** 1983 Dec;11(4):347–53

The role of food additives in the control of some parasites contaminating vegetables. Hamdy EI, et al. **J Egypt Soc Parasitol** 1983 Dec;13(2):539–45

The relevance of in vitro anthelmintic screening tests employing the free-living stages of trichostrongylid nematodes. Ibarra OF, et al. **J Helminthol** 1984 Jun; 58(2):107–12

Cotugnia digonopora: carbohydrate metabolism and effect of anthelmintics on immature worms. Pampori NA, et al. **J Helminthol** 1984 Mar;58(1):39–47

Ivermectin interactions with benzodiazepine receptors in rat cortex and cerebellum in vitro. Williams M, et al. **J Neurochem** 1984 Mar;42(3):745–53

Effects of amoscanate on the utilization of glucose by Brugia pahangi and Litomosoides carinii. Nelson NF, et al. **J Parasitol** 1984 Feb;70(1):194–6

Interaction of Fasciola hepatica with albendazole and its metabolites. Fetterer RH, et al. **J Vet Pharmacol Ther** 1984 Jun;7(2):113–8

Energy metabolism in Cotugnia digonopora and the effect of anthelmintics. Pampori NA, et al. **Mol Biochem Parasitol** 1984 Apr;11:205–13

The benzimidazole anthelmintics—chemistry and biological activity. Sharma S, et al. **Prog Drug Res** 1983;27:85–161 (655 ref.)

Anthelmintic effect of levamisole, ivermectin, albendazole and fenbendazole on larval Toxocara canis infection in mice. Abo-Shehada MN, et al. **Res Vet Sci** 1984 Jan; 36(1):87–91

The microfilaricidal activity of ivermectin in vitro and in vivo. Devaney E, et al. **Tropenmed Parasitol** 1984 Mar; 35(1):47–49

Evaluation of selected anthelmintic compounds for activity against Opisthorchis viverrini. Tawatsin A, et al. **Tropenmed Parasitol** 1984 Jun;35(2):85–90

Interaction of amoscanate with the cyclic AMP-phosphodiesterases from Schistosoma mansoni, Onchocerca volvulus and bovine heart. Walter RD, et al. **Tropenmed Parasitol** 1984 Jun;35(2):78–80

In vitro activity of various anthelmintic compounds against Haemonchus contortus larvae. Boisvenue RJ, et al. **Vet Parasitol** 1983 Nov;13(4):341–7

Efficacy of triclabendazole against Fasciola hepatica in sheep and goats. Wolff K, et al. **Vet Parasitol** 1983 Sep; 13(2):145–50

Effect of anthelmintic treatment on milk yield [letter] Michel JF, et al. **Vet Rec** 1983 Oct 8;113(15):355

Effect of anthelmintic treatment on milk yield [letter] Theodorides VJ, et al. **Vet Rec** 1983 Sep 10;113(11):248

Anthelmintic efficacy of triclabendazole against Fasciola hepatica in sheep. Turner K, et al. **Vet Rec** 1984 Jan 14; 114(2):41–2

Nematospiroides dubius: response of the late fourth-stage larva to anthelmintics in vitro. Jenkins DC, et al. **Z Parasitenkd** 1984;70(3):395–402

[Field study of anthelmintic resistance of strongylids in horses] Bauer C, et al. **Berl Munch Tierarztl Wochenschr** 1983 Sep 1;96(9):312–6 (Eng. Abstr.) **(Ger)**

[Effect of anthelmintic preparations on the carbohydrate metabolism of the trematode Eurytrema pancreaticum] Vykhrestiuk NP, et al. **Med Parazitol (Mosk)** 1984 Jan-Feb; (1):64–8 (Eng. Abstr.) **(Rus)**

[Cytosol malate dehydrogenase in Calicophoron ijimai trematodes and the effect of antiparasitic preparations on its activity] Vykhrestiuk NP, et al. **Parazitologiia** 1983 Sep-Oct;17(5):397–402 (22 ref.) (Eng. Abstr.) **(Rus)**

POISONING

Toxicity and efficacy of ivermectin in chelonians. Teare JA, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1195–7

THERAPEUTIC USE

Albendazole: a new single dose anthelmintic. Study in 1455 patients. Coulaud JP, et al. **Acta Trop (Basel)** 1984 Mar; 41(1):87–90

Albendazole, an effective single dose, broad spectrum anthelmintic drug. Ramalingam S, et al. **Am J Trop Med Hyg** 1983 Sep;32(5):984–9

Effects of serum from treated patients on antibody-dependent cell adherence to the infective larvae of Brugia malayi. Sim BK, et al. **Am J Trop Med Hyg** 1983 Sep;32(5):1002–12

Anthelmintic activities of ivermectin against immature and adult Dictyocaulus viviparus. Benz GW, et al. **Am J Vet Res** 1984 Apr;45(4):771–2

Efficacy of triclabendazole against Fasciola hepatica and Fascioloides magna in naturally infected calves. Craig TM, et al. **Am J Vet Res** 1984 Aug;45(8):1644–5

Benzimidazole resistance of equine strongyles: critical tests of several classes of compounds against population B strongyles from 1977 to 1981. Drudge JH, et al. **Am J Vet Res** 1984 Apr;45(4):804–9

Efficacy of a benzenedisulfonamide against experimental Fasciola hepatica infections in calves. Wyckoff JH 3d, et al. **Am J Vet Res** 1983 Nov;44(11):2203–4

Treatment of ancylostomiasis and ascariasis with Albendazole. Bassily S, et al. **Ann Trop Med Parasitol** 1984 Feb;78(1):81–2

The effects of 22, 23–dihydroavermectin B1 on Strongyloides ratti and S. stercoralis infections in mice. Grove DI. **Ann Trop Med Parasitol** 1983 Aug;77(4):405–10

Oxfendazole treatment of horses. Guinan JJ. **Aust Vet J** 1983 Jun;60(6):193–4

The activity of triclabendazole against immature and adult Fasciola hepatica infections in sheep. Smeal MG, et al. **Aust Vet J** 1983 Nov;60(11):329–31

Drug treatment of helminthic infections. Glover SC. **Br J Hosp Med** 1983 Sep;30(3):169–170, 172, 174 (22 ref.)

Anthelmintics for dogs, cats and horses. Bogan JA, et al. **Br Vet J** 1984 Jul–Aug;140(4):361–7

Study of albendazole in the treatment of intestinal helminthiasis in Zimbabwe. Chandiwana SK, et al. **Cent Afr J Med** 1983 Nov;29(11):213–5

Abdominal hydatid disease: computed tomographic and ultrasound changes during albendazole therapy. Morris DL, et al. **Clin Radiol** 1984 Jul;35(4):297–300

Onchocerca gibsoni: increase of circulating egg antigen with chemotherapy in bovines. Forsyth KP, et al. **Exp Parasitol** 1984 Aug;58(1):41–55

Heligmosomoides polygyrus: time of anthelmintic treatment and infection parameters in mice exposed to increasing doses of larvae. Kerboeuf D, et al. **Exp Parasitol** 1984 Jun; 57(3):307–15

Albendazole: a new concept in the control of intestinal helminthiasis. Rossignol JF, et al. **Gastroenterol Clin Biol** 1984 Jun–Jul;8(6–7):569–76 (17 ref.)

Helminths of the dog: treatment and control. Jacobs D. **In Pract** 1984 Jan;6(1):10, 12–3, 16–8

Oxfendazole: regimen–dependent expression of drug efficacy against Trichinella spiralis. McCracken RO, et al. **Int J Parasitol** 1984 Jun;14(3):277–81

Absence of shock–like reactions to ivermectin in dogs infected with Dirofilaria immitis. Boreham PF, et al. **J Helminthol** 1983 Sep;57(3):279–81

Trematodiasis in Turkey: comparative efficacy of triclabendazole and niclofolan against natural infections of Fasciola hepatica and F. gigantica in sheep. Güralp N, et al. **J Helminthol** 1984 Jun;58(2):113–6

Effects of various anthelmintics on larval stages of Nematospiroides dubius (Nematoda). Sayles PC, et al. **J Parasitol** 1983 Dec;69(6):1079–83

Persistent anthelmintic effect of ivermectin in cattle. Swan GE, et al. **J S Afr Vet Assoc** 1983 Dec;54(4):249–50

Ivermectin: a review of efficacy and safety. Campbell WC, et al. **J Vet Pharmacol Ther** 1984 Mar;7(1):1–16 (73 ref.)

Albendazole: worms and hydatid disease [editorial] **Lancet** 1984 Sep 22;2(8404):675–6

Ivermectin in onchocerciasis [letter] Coulaud JP, et al. **Lancet** 1984 Sep 1;2(8401):526–7

Ivermectin and an ivermectin–penicillin combination: a comparison of anthelmintic efficacy in horses. DiPietro JA, et al. **Mod Vet Pract** 1984 May;65(5):A14–6

Selective primary health care: strategies for control of disease in the developing world. XII. Ascariasis and trichuriasis. Arfaa F. **Rev Infect Dis** 1984 May–Jun;6(3):364–73 (41 ref.)

Albendazole in the treatment of opisthorchiasis and concomitant intestinal helminthic infections. Pungpark S, et al. **Southeast Asian J Trop Med Public Health** 1984 Mar; 15(1):44–50

The anthelmintic effects of flubendazole on Trichuris trichiura and Ascaris lumbricoides. Kan SP. **Trans R Soc Trop Med Hyg** 1983;77(5):668–70

Albendazole: placebo–controlled study in 870 patients with intestinal helminthiasis. Rossignol JF, et al. **Trans R Soc Trop Med Hyg** 1983;77(5):707–11

Broad–action anthelminthics against intestinal helminthiases. Sharma P. **Trop Gastroenterol** 1983 Jul–Sep;4(3):137–54 (218 ref.)

Comparative efficacy of some benzimidazoles and amoscanate (Go.9333) against experimental filarial infections. Reddy AB, et al. **Tropenmed Parasitol** 1983 Dec; 34(4):259–62

Therapeutics in avian medicine. Flock vs. individual bird treatment regimens. Clubb SL. **Vet Clin North Am [Small Anim Pract]** 1984 Mar; 14(2):345–61

A comparison between the efficacy of thiabendazole and febantel on experimental trichinellosis in rats. Alcaíno HA, et al. **Vet Parasitol** 1984 Mar;14(2):153–7

Persistent anthelmintic effect of ivermectin in cattle. Barth D. **Vet Rec** 1983 Sep 24;113(13):300

Treatment of taenia with albendazole [letter] Kassai T, et al. **Vet Rec** 1984 Mar 24;114(12):303

Protection against lungworm [letter] Lomax SK. **Vet Rec** 1984 Apr 14;114(15):388

[Clinical observations on treatment of Dipetalonema perstans and loa loa filariasis with furapyrimidone] Ren YF, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1984;2(1):49–51 (Eng. Abstr.) **(Chi)**

[Clinical observations on the use of domestic oxantel pamoate in the treatment of trichuriasis] **Chung Hua I Hsueh Tsa Chih** 1983 Apr;63(4):235–7 (Eng. Abstr.) **(Chi)**

[Treatment of human onchocerciasis with ivermectin] Coulaud JP, et al. **Bull Soc Pathol Exot Filiales** 1983 Nov; 76(5):681–8 (Eng. Abstr.) **(Fre)**

[Management in Senegal of the 1st efficacy and tolerability studies of ivermectin (MK 933) in human onchocerciasis] Diallo S, et al. **Bull Soc Pathol Exot Filiales** 1984 Mar–Apr; 77(2):196–205 (Eng. Abstr.) **(Fre)**

[Medical treatment of human echinococcosis: current status] Saimot AG. **Gastroenterol Clin Biol** 1984 Apr;8(4):305–7 **(Fre)**

[Imidazoles in larval cestode infections] Bouree P, et al. **Pathol Biol (Paris)** 1984 Jun;32(5 Pt 2):651–3 (Eng. Abstr.) **(Fre)**

[Prospective trends in the chemotherapy of trematodiasis] Baiandina DG, et al. **Med Parazitol (Mosk)** 1983 Sep–Oct; (5):78–81 (50 ref.) (Eng. Abstr.) **(Rus)**

[Experimental chemotherapy of alveolar hydatid disease. VIII. The comparative effectiveness and toxicity of nocodazole and mebendazole] Dzhabarova VI, et al. **Med Parazitol (Mosk)** 1983 Sep–Oct;(5):65–8 (Eng. Abstr.) **(Rus)**

[Anthelmintic activity of niclofolan and closantel against Fasciola hepatica in sheep] González H, et al. **Bol Chil Parasitol** 1983 Jul–Dec;38(3–4):42–9 (Eng. Abstr.) **(Spa)**

[Massive trichocephaliasis and other helminthiasis in children and its treatment with pyrantel pamoate/oxantel] Aponte A, et al. **GEN** 1982 Apr–Sep;36(2–3):162–76 (Eng. Abstr.) **(Spa)**

TOXICITY

Pyrvinium pamoate lacks in vivo genotoxicity in the colon. Goldberg MT. **Toxicol Appl Pharmacol** 1984 Jun 30; 74(2):293–5

[Sister chromatid exchange induced by antitumor and antiparasitic drugs before and after activation by microsomal enzyme S–9] Cai YY, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1983 Jun; 5(3):161–4 (Eng. Abstr.) **(Chi)**

ANTHOCYANINS

ANALYSIS

Droplet counter–current chromatography of anthocyanins. Francis GW, et al. **J Chromatogr** 1984 Jan 20;283:445–8

ANTHRACENES

Photo–induced dimerization of anthracene phospholipids for the study of the lateral distribution of lipids in membranes. de Bony J, et al. **Eur J Biochem** 1984 Sep 3;143(2):373–9

Tumor–producing activity of dithranol (anthralin) and two of its 10–acyl analogs in the dorsal skin of female NMRI mice. Männistö PT, et al. **J Pharmacol Exp Ther** 1984 Apr; 229(1):255–60

ADMINISTRATION & DOSAGE

Treatment of depressive anxiety states associated with psychosomatic symptoms. A double–blind multicentre clinical study: mianserin versus melitracen–flupentixol. Van Moffaert M, et al. **Acta Psychiatr Belg** 1983 Sep–Oct; 83(5):525–39

Paper–tape occlusion of anthralin paste. A new outpatient therapy for psoriasis. Pearlman DL, et al. **Arch Dermatol** 1984 May;120(5):625–30

Short–contact dithranol therapy—a comparison with the Ingram regime. Statham BN, et al. **Br J Dermatol** 1984 Jun;110(6):703–8

Short–duration dithranol therapy for psoriasis. Hindryckx P, et al. **Dermatologica** 1983;167(6):304–6

A comparative study of dithranol cream, 0.25% and 0.1%, and dithranol ointment 0.25% in the treatment of psoriasis. Fredriksson T. **Pharmatherapeutica** 1983;3(7):496–8

[Dithranol–stick prescription for simplified ambulatory psoriasis therapy] Wätzig V. **Dermatol Monatsschr** 1983; 169(8):533–4 **(Ger)**

[Effect of the treatment of psoriasis with dithranol in comparison with a combination of dithranol and a corticosteroid] Gloor M, et al. **Hautarzt** 1983 Oct; 34(10):500–3 (Eng. Abstr.) **(Ger)**

[Experiences with high–dosage short–term dithranol therapy of psoriasis] Göring HD, et al. **Hautarzt** 1984 Mar; 35(3):148–51 (Eng. Abstr.) **(Ger)**

[The effect of a tar admixture to dithranol–salicylic–acid–white–petrolatum therapy on the cytokinetics of psoriasis] Schulze HJ, et al. **Z Hautkr** 1984 Mar 1;59(5):288–90, 295–7 (Eng. Abstr.) **(Ger)**

[Experience with the 'minute treatment' of psoriasis vulgaris] Marosi I, et al. **Orv Hetil** 1984 May 27;125(22):1323–5 (Eng. Abstr.) **(Hun)**

[Selective phototherapy (SUP) and cygnoline in the treatment of psoriasis] Nowak A, et al. **Przegl Dermatol** 1983 Jul–Aug;70(4):403–12 (Eng. Abstr.) **(Pol)**

ADVERSE EFFECTS

Irritation and staining by dithranol (anthralin) and related compounds. V. Short–contact and tape–stripping experiments with dithranol and butantrone. Göransson AM, et al. **Acta Derm Venereol (Stockh)** 1984;64(2):134–9

Q–T prolongation and torsades de pointes ventricular tachycardia produced by maprotiline [letter] Abinader EG. **Am J Cardiol** 1984 Feb 1;53(4):654

Arachidonic acid and prostaglandin levels in dithranol erythema: time course study. Barr RM, et al. **Br J Clin Pharmacol** 1983 Dec;16(6):715–7

Effect of coal tar on cutaneous aryl hydrocarbon hydroxylase induction and anthralin irritancy. Lawrence CM, et al. **Br J Dermatol** 1984 Jun;110(6):671–5

Relationship between skin type and erythemal response to anthralin. Maurice PD, et al. **Br J Dermatol** 1983 Sep; 109(3):337–41

Irritancy of anthralin in patients with psoriasis and widespread vitiligo [letter] Roberts DL. **Br J Dermatol** 1984 Feb;110(2):247–8

Seizures associated with high maprotiline serum concentrations. Molnar G. **Can J Psychiatry** 1983 Nov; 28(7):555–6

The inflammatory response to anthralin. Lawrence CM, et al. **Clin Exp Dermatol** 1984 Jul;9(4):336–41

Contact dermatitis to coal tar. Gonçalo S, et al. **Contact Dermatitis** 1984 Jan;10(1):57–8

Maprotiline and impotence: a case report. Makhija VN. **Del Med J** 1984 Mar;56(3):183–5

Hepatotoxicity associated with maprotiline therapy: case report. Moldawsky RJ. **J Clin Psychiatry** 1984 Apr; 45(4):178–9

Atrial flutter and maprotiline: case report. Tollefson G, et al. **J Clin Psychiatry** 1984 Jan;45(1):31–3

Maprotiline hydrochloride associated with a clinical state of catatonic stupor and epileptic encephalogram. Atri PB, et al. **J Clin Psychopharmacol** 1984 Aug;4(4):207–9

[Anthralin erythema: effect of concentration, contact time, oxidation products and corticosteroids. Clinical, reflection photometry and electron microscopy studies] Puschmann M. **Z Hautkr** 1983 Nov 15;58(22):1646–7 (Eng. Abstr.) **(Ger)**

[Suppression of cignolin–induced erythema by tar] Schulze HJ. **Z Hautkr** 1984 May 15;59(10):659–62 (Eng. Abstr.) **(Ger)**

ANALYSIS

Fate of anthracene in an artificial stream: a case study. Landrum PF, et al. **Ecotoxicol Environ Safety** 1984 Apr; 8(2):183–201

Determination of maprotiline and N–desmethylmaprotiline from biological fluids by HPLC. Salonen JS, et al. **J Anal Toxicol** 1983 Jul–Aug;7(4):175–7

Fluorimetric determination of maprotiline in urine and plasma after thin–layer chromatographic separation. Prinoth M, et al. **J Chromatogr** 1984 Feb 10;305(2):508–11

Comparison of UV and fluorescence spectrophotometry for the quantification of a potent myotonia inducer: anthracene–9–carboxylic acid, in plasma, urine, and saline perfusion fluids. Villegas–Navarro A, et al. **J Pharm Sci** 1983 Oct;72(10):1221–3

BLOOD

Gas chromatography–mass spectrometry of maprotiline in serum [letter] Skrinska V, et al. **Clin Chem** 1984 Jul; 30(7):1276–7

Liquid chromatographic separation of antidepressant drugs: II. Amoxapine and maprotiline. Beierle FA, et al. **Ther Drug Monit** 1983;5(3):293–301

Analysis of amoxapine, 8–hydroxyamoxapine, and maprotiline by high–pressure liquid chromatography. Ketchum C, et al. **Ther Drug Monit** 1983;5(3):309–12

CHEMICAL SYNTHESIS

Preparation of 9–diazomethylanthracene. Barker SA, et al. **Anal Biochem** 1983 Jul 15;132(2):456

DIAGNOSTIC USE

Irritation and staining by dithranol (anthralin) and related compounds. IV. Visual estimation of erythema compared with contact thermometry and laser Doppler flowmetry. Mustakallio KK, et al. **Acta Derm Venereol (Stockh)** 1983; 63(6):513–8

[Use of the anthrone method for analyzing the pharmacokinetics of hydroxyethyl starch] Prostakova TM, et al. **Lab Delo** 1984;(6):365–7 (Eng. Abstr.) **(Rus)**

METABOLISM

Effect of propranolol on maprotiline clearance [letter] Tollefson G, et al. **Am J Psychiatry** 1984 Jan;141(1):148–9

Stereoselective metabolism of anthracene and phenanthrene by the fungus Cunninghamella elegans. Cerniglia CE, et al. **Appl Environ Microbiol** 1984 Jan;47(1):119–24

Dermal absorption and metabolism of the antipsoriatic drug dithranol triacetate. Wiegrebe W, et al. **Arzneimittelforsch** 1984;34(1):48–51

Steady–state levels of phosphorylated intermediates of (Na,K)–ATPase monitored with oligomycin and anthroyloubain. Fortes PA, et al. **J Biol Chem** 1984 Sep 25;259(18):11176–9

Stereoselectivity of cytochrome P–450c in the formation of naphthalene and anthracene 1,2–oxides. van Bladeren PJ,

et al. **J Biol Chem** 1984 Jul 25;259(14):8966–73

Distribution, retention, and fate of 2-aminoanthracene in rats after inhalation. Mitchell CE, et al. **Toxicol Appl Pharmacol** 1984 Aug;75(1):52–9

The metabolic fate of [14C]oxaprotiline.HCl in man. I. Disposition and preliminary pharmacokinetics. Dieterle W, et al. **Xenobiotica** 1984 Apr;14(4):303–10

PHARMACODYNAMICS

The effect on epidermal DNA synthesis of a combination of topical steroid with either dithranol or tar as used for psoriasis. Clement M, et al. **Br J Dermatol** 1983 Sep; 109(3):327–35

Effect of 1,8-dihydroxy-9-anthrone (anthralin) on rat hepatic ornithine decarboxylase activity in vivo. Bisschop A, et al. **Cancer Lett** 1984 Jun;23(2):151–7

Lack of interaction between the tetracyclic antidepressant maprotiline and the centrally acting antihypertensive drug clonidine. Gundert-Remy U, et al. **Eur J Clin Pharmacol** 1983;25(5):595–9

Anthralin inhibition of mouse epidermal arachidonic acid lipoxygenase in vitro. Bedord CJ, et al. **J Invest Dermatol** 1983 Dec;81(6):566–71

Anthracene-9-carboxylic acid inhibits an apical membrane chloride conductance in canine tracheal epithelium. Welsh MJ. **J Membr Biol** 1984;78(1):61–71

Electrocardiographic changes during treatment with maprotiline and mianserin. Goldie A, et al. **Neuropharmacology** 1984 Feb;23(2B):273–5

Anthracene-9-carboxylic acid inhibits renal chloride reabsorption. Oberleithner H, et al. **Pflugers Arch** 1983 Jul; 398(2):172–4

The effects of single and repeated doses of maprotiline, oxaprotiline and its enantiomers on foot-shock induced fighting in rats. Mogilnicka E, et al. **Pharmacol Biochem Behav** 1983 Oct;19(4):719–23

[Anxiolytic effect of the beta1-receptor blocker metoprolol. Comparative study with oxazepam in patients receiving concomitant basic antidepressive therapy] Seeler W, et al. **MMW** 1984 Jan 20;126(3):65–8 (Eng. Abstr.) **(Ger)**

[Pharmacological studies on anthracene derivative - compound A12] Modzelewski J, et al. **Acta Pol Pharm** 1983;40(2):235–43 (Eng. Abstr.) **(Pol)**

POISONING

Seizures due to maprotiline overdose. Northup L, et al. **Ann Emerg Med** 1984 Jun;13(6):468–70

Effects of self poisoning with maprotiline. Knudsen K, et al. **Br Med J [Clin Res]** 1984 Feb 25;288(6417):601–3

Maprotiline poisoning: a case of cardiotoxicity and myoclonic seizures. Parker J, et al. **J Clin Psychiatry** 1984 Jul; 45(7):312–4

[The child who is suddenly confused and hallucinating] Stapert WG. **Ned Tijdschr Geneeskd** 1983 Aug 20; 127(34):1513–6 **(Dut)**

THERAPEUTIC USE

Short contact anthralin therapy of psoriasis with and without UV-irradiation and maintenance schedule to prevent relapses. Brun P, et al. **Acta Derm Venereol (Stockh)** 1984; 64(2):174–7

Wart treatment with anthralin. Flindt-Hansen H, et al. **Acta Derm Venereol (Stockh)** 1984;64(2):177–9

Antipsoriatic activity of 10-acyl analogues of dithranol (anthralin). I. Phase I clinical trial of 10-propionyl dithranol and 10-butyryl dithranol (butantrone). Mustakallio KK, et al. **Acta Derm Venereol (Stockh)** 1984; 64(1):63–6

Mianserin versus maprotiline in patients with a depressive syndrome. Indaco A, et al. **Acta Neurol (Napoli)** 1984 Apr; 6(2):140–6

Effect of sleep deprivation as a predictor of treatment response to antidepressant medication. Fähndrich E. **Acta Psychiatr Scand** 1983 Nov;68(5):341–4

Does UV-A potentiate 'short contact' dithranol therapy? Reshad H, et al. **Br J Dermatol** 1984 Aug;111(2):155–8

Multicenter evaluation of maprotiline hydrochloride for treatment of depression. **Clin Ther** 1984;6(2):155–62

Anthralin for psoriasis: short-contact anthralin therapy compared with topical steroid and conventional anthralin. Lowe NJ, et al. **J Am Acad Dermatol** 1984 Jan;10(1):69–72

Therapeutic superiority of maprotiline versus doxepin in geriatric depression. Gwirtsman HE, et al. **J Clin Psychiatry** 1983 Dec;44(12):449–53

Free radicals and the treatment of psoriasis with special reference to dithranol. Mustakallio KK, et al. **Med Biol** 1984;62(2):155–8

Clinical and biological parameters as predictors for antidepressant drug responses in depressed patients. Fähndrich E. **Pharmacopsychiatria** 1983 Nov;16(6):179–85

Treatment of psoriasis with dithranol cream in general practice. Ellis JP, et al. **Practitioner** 1984 Feb; 228(1388):219–26

The efficacy of amoxapine, maprotiline, and trazodone in comparison to imipramine and amitriptyline: a review of the literature. Kane JM, et al. **Psychopharmacol Bull** 1984 Spring;20(2):240–9 (61 ref.)

[A profile of the clinical effectiveness of second generation antidepressive agents] Kabeš J, et al. **Cesk Psychiatr** 1984 Feb;80(1):12–20 (Eng. Abstr.) **(Cze)**

[A preventive study using maprotiline in patients with periodic endogenous depression] Náhunek K, et al. **Cesk Psychiatr** 1984 Apr;80(2):91–6 (Eng. Abstr.) **(Cze)**

[Modern psoriasis therapy] Mahrle G. **Z Hautkr** 1984 May 15;59(10):645–6 **(Ger)**

[Suppression of cignolin-induced erythema by tar] Schulze HJ. **Z Hautkr** 1984 May 15;59(10):659–62 (Eng. Abstr.) **(Ger)**

[Experiences in half-side treatment with tar additive to cignolin-salicylic-acid-white-vaseline therapy of psoriasis vulgaris] Schulze HJ, et al. **Z Hautkr** 1984 May 15; 59(10):654–6 (Eng. Abstr.) **(Ger)**

[A new Cologne therapy scheme--addition of tar to cignoline-salicylic acid-white vaseline therapy in psoriasis vulgaris] Steigleder GK, et al. **Z Hautkr** 1984 Feb 1; 59(3):188, 191–2 (Eng. Abstr.) **(Ger)**

[Management of therapy-resistant depression with Ludiomil] Pethő B, et al. **Orv Hetil** 1983 Oct 30;124(44):2683–5 (Eng. Abstr.) **(Hun)**

[Use of maprotiline in primary and secondary anxio-depressive syndromes in the aged] Volpi F. **Clin Ter** 1983 Jul 31;106(2):95–101 (Eng. Abstr.) **(Ita)**

TOXICITY

Skin irritation by dithranol (anthralin) and its 10-acyl analogues in 3 animal models. Männistö P, et al. **Contact Dermatitis** 1984 Mar;10(3):140–5

Anthracene. **IARC Monogr Eval Carcinog Risk Chem Hum** 1983 Dec; 32:105–21

9-Nitroanthracene. **IARC Monogr Eval Carcinog Risk Chem Hum** 1984 Apr; 33:179–85

Relative acute cardiovascular toxicity induced by maprotiline, mianserin and nomifensine in conscious rabbits. Desager JP, et al. **J Toxicol Clin Toxicol** 1983 May; 20(3):255–69

Action spectrum for anthracene-induced photosensitization of human skin. Kaidbey KH, et al. **Photochem Photobiol** 1984 Mar;39(3):375–8

URINE

The metabolic fate of [14C]oxaprotiline.HCl in man. II. Isolation and identification of metabolites. Dieterle W, et al. **Xenobiotica** 1984 Apr;14(4):311–9

ANTHRACOSILICOSIS

COMPLICATIONS

[Hemoptysis in silicotic cicatricial emphysema] Friemann J, et al. **Schweiz Rundsch Med Prax** 1984 Feb 28;73(9):269–71 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

[T and B lymphocyte levels in the peripheral blood of coal miners with anthracosilicosis] Shelygin SI. **Vrach Delo** 1983 Aug;(8):107–9 (Eng. Abstr.) **(Rus)**

METABOLISM

[Metabolism of various vitamins in the bodies of rats with experimental anthracosis against a background of qualitatively dietary fats] Pichkhadze GM, et al. **Gig Sanit** 1984 Apr;(4):83–5 **(Rus)**

PATHOLOGY

[Course of coniotuberculosis in coal mine workers] Sokolik LI, et al. **Probl Tuberk** 1983 Nov;(11):36–9 (Eng. Abstr.) **(Rus)**

ANTHRALIN see under **ANTHRACENES**

ANTHRAMYCIN see under **BENZODIAZEPINONES**

ANTHRANILATE PHOSPHORIBOSYLTRANSFERASE see under **PENTOSYLTRANSFERASES**

ANTHRANILATE SYNTHASE

GENETICS

Nucleotide sequence of the Bacillus subtilis trpE and trpD genes. Band L, et al. **Gene** 1984 Jan;27(1):55–65

Nucleotide sequence of Escherichia coli pabB indicates a common evolutionary origin of p-aminobenzoate synthetase and anthranilate synthetase. Goncharoff P, et al. **J Bacteriol** 1984 Jul;159(1):57–62

Nucleotide sequence of Saccharomyces cerevisiae genes TRP2 and TRP3 encoding bifunctional anthranilate synthase: indole-3-glycerol phosphate synthase. Zalkin H, et al. **J Biol Chem** 1984 Mar 25;259(6):3985–92

ANTHRANILATE SYNTHETASE see **ANTHRANILATE SYNTHASE**

ANTHRANILIC ACIDS

ADMINISTRATION & DOSAGE

Effect of N-5' on histamine release from rat peritoneal exudate cells induced by calcium ionophore and ATP. Ujiie A, et al. **Jpn J Pharmacol** 1984 Jan;34(1):9–14

[Comparative study of the analgesic activity of glafenine and a paracetamol-codeine combination in post-operative dental pain] Mayer R, et al. **Bull Group Int Rech Sci Stomatol Odontol** 1984 Jan; 27(1):53–64 (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

Pulmonary infiltrates with eosinophilia due to glafenine. Gheysens B, et al. **Eur J Respir Dis** 1984 Aug;65(6):456–9

Hepatic injury due to glafenine. Report of two cases and review of the literature. Verhamme M, et al. **Neth J Med** 1984;27(2):35–9

[Fatal acute hepatitis after taking glafenine (letter)] Boyer J, et al. **Gastroenterol Clin Biol** 1984 Jan;8(1):91–2 **(Fre)**

[Intravascular coagulation and immunoallergic complication after ingestion of glafenine (letter)] Ducroix JP, et al. **Presse Med** 1984 May 5;13(19):1220 **(Fre)**

[Acute myocardial ischemia in an anaphylactic reaction of drug origin (letter)] Fischbein L, et al. **Presse Med** 1984 Apr 21;13(17):1100 **(Fre)**

[Rhabdomyolysis and glafenine (letter)] Rouveix B, et al. **Therapie** 1984 Jan-Feb;39(1):53–4 **(Fre)**

ANALYSIS

Role of anthranilic acid in background levels of sulfonamide in porcine livers when determined by the Tishler method. Parks OW. **J Assoc Off Anal Chem** 1983 Sep;66(5):1226–9

DIAGNOSTIC USE

Anthraniloyl-tyrosine 411 as a spectroscopic probe of fatty acid binding to human serum albumin. Hagag N, et al. **J Biol Chem** 1984 May 10;259(9):5411–3

METABOLISM

Anaerobic degradation of 2-aminobenzoate (anthranilic acid) by denitrifying bacteria. Braun K, et al. **Appl Environ Microbiol** 1984 Jul;48(1):102–7

Effect of superoxide dismutase on hydroxylase activity and hydrogen peroxide formation in anthranilamide hydroxylation by a rat liver microsomal monooxygenase system. Ohta Y, et al. **Biochem Int** 1984 May;8(5):617–27

Effects of migraine attack and metoclopramide on the absorption of tolfenamic acid. Tokola RA, et al. **Br J Clin Pharmacol** 1984 Jan;17(1):67–75

Acyl pentapeptide lactone synthesis in actinomycin-producing streptomycetes by feeding with structural analogs of 4-methyl-3-hydroxyanthranilic acid. Keller U. **J Biol Chem** 1984 Jul 10;259(13):8226–31

PHARMACODYNAMICS

Effects of meclofenamate on the renin response to aortic constriction in the rat. Villarreal D, et al. **Am J Physiol** 1984 Sep;247(3 Pt 2):R546–51

Role of Tromaril as anti-prostaglandin drug on blood aqueous barrier. Mehra KS, et al. **Ann Ophthalmol** 1984 Mar;16(3):272–3

Effects of cyclooxygenase inhibitors on plasma and urinary kallikrein. Schor N, et al. **Hypertension** 1983 Nov-Dec;5(6 Pt 3):V48–52

Influence of non-steroidal anti-inflammatory agents on tolbutamide hypoglycaemia. Diwan PV, et al. **Indian J Med Res** 1983 Jul;78:147–50

In vitro inhibition of histamine release from mouse mast cells and human basophils by an anthranilic acid derivative. Zampini P, et al. **Int J Immunopharmacol** 1983;5(5):431–5

Carboxyphenyl chloroanthranilic acid (CCA) in the modulation of immune response in mice. Nakazawa T, et al. **Int J Tissue React** 1984;6(1):23–34

A drug interaction between clonidine and enphenamic acid. Kshirsagar NA, et al. **J Assoc Physicians India** 1983 Dec; 31(12):805–7

Prostaglandins inhibit renal ammoniagenesis in the rat. Jones ER, et al. **J Clin Invest** 1984 Sep;74(3):992–1002

Effects of enfenamic acid on renal electrolyte excretion in hypertensive patients. Dange SV, et al. **J Clin Pharmacol** 1984 May-Jun;24(5-6):267–70

Effect of cyclooxygenase inhibitors on PGE2-sensitive human lymphocyte receptors. Misefari A, et al. **J Immunopharmacol** 1983;5(1-2):117–27

Studies on the mechanisms of the inhibitory effect of N-5' on histamine release from rat peritoneal exudate cells. Kubota T, et al. **Jpn J Pharmacol** 1983 Aug;33(4):837–43

Effect of N-(2-carboxyphenyl)-4-chloroanthranilic acid disodium salt (CCA) on the induction of helper and suppressor T cells in vitro and in vivo. Yamamoto I, et al. **Jpn J Pharmacol** 1983 Aug;33(4):859–66

Studies on search for a promising immunopotentiative substance for treatment of leprosy. III. With special reference to an immunomodulative drug CCA, a BCG vaccine and the significance of an improved rabbit red blood cell rosette formation test. Gidoh M, et al. **Nippon Rai Gakkai Zasshi** 1983 Jul-Sep;52(3):165–79

Effects of meclofenamate on pulmonary vascular resistance correlate with postnatal age in young piglets. Redding GJ, et al. **Pediatr Res** 1984 Jul;18(7):579–83

[Effect of tranilast on the release of slow reacting substance of anaphylaxis (SRS-A) and contraction of the smooth muscle] Komatsu H, et al. **Nippon Yakurigaku Zasshi** 1983 Jul;82(1):47–55 (Eng. Abstr.) **(Jpn)**

[Effects of CCA on abnormalities of T-lymphocytes in patients with rheumatoid arthritis] Sonozaki H, et al. **Ryumachi** 1984 Feb;24(1):3-8 (Eng. Abstr.) **(Jpn)**

POISONING

[Anti-glafenine circulating antibodies: demonstration and frequency in acute renal insufficiency following intake of glafenine in toxic doses] Poirier JC, et al. **Nephrologie** 1983; 4(3):107-10 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

A clinical evaluation of N-5' with perennial-type allergic rhinitis—a test by the multi-clinic, intergroup, double-blind comparative method. Okuda M, et al. **Ann Allergy** 1984 Aug;53(2):178-85

Role of tromaril—a new anti-inflammatory drug in eye diseases. Mehra KS, et al. **Ann Ophthalmol** 1984 Feb; 16(2):132-3

Meclofenamate for psoriasis [letter] Paller AS, et al. **Arch Dermatol** 1984 Apr;120(4):438

Tiapride versus glafenine: a double-blind comparative study in the management of acute rheumatic pain. Ginsberg F, et al. **Curr Med Res Opin** 1983;8(8):562-9

Meclofenamate and the nephrotic syndrome: the use of the right drug in the right patient by the right physician [editorial] Anderson CF. **Mayo Clin Proc** 1984 Mar; 59(3):206-7

Meclofenamate treatment of recurrent idiopathic nephrotic syndrome with focal segmental glomerulosclerosis after renal transplantation. Torres VE, et al. **Mayo Clin Proc** 1984 Mar;59(3):146-52

TOXICITY

Cinnamyl anthranilate. **IARC Monogr Eval Carcinog Risk Chem Hum** 1983 Jul; 31:133-9

The effect of N-phenylanthranilic acid-induced renal papillary necrosis on urinary acidification and renal electrolyte handling. Hardy TL, et al. **Toxicol Appl Pharmacol** 1984 Sep 15;75(2):265-77

ANTHRAQUINONES

Free radical formation from anthracycline antitumour agents and model systems--I. Model naphthoquinones and anthraquinones. Dodd NJ, et al. **Biochem Pharmacol** 1984 Feb 1;33(3):379-85

Experimental and computer graphics simulation analyses of the DNA interaction of 1,8-bis-(2-diethylaminoethylamino)-anthracene-9,10-dion a compound modelled on doxorubicin. Islam SA, et al. **Biochem Pharmacol** 1983 Sep 15;32(18):2801-8

Raising monospecific antibodies by use of protein components prestained with Remazol Brilliant Blue and separated by disc electrophoresis on polyacrylamide gel. Saoji AM, et al. **Clin Chem** 1984 Jul;30(7):1252-4

Interactions of the antitumor agents mitoxantrone and bisantrene with deoxyribonucleic acids studied by electron microscopy. Lown JW, et al. **Mol Pharmacol** 1984 Jan; 25(1):178-84

[Proton magnetic resonance spectra of 12 anthraquinone compounds] Song GQ, et al. **Yao Hsueh Hsueh Pao** 1983 May;18(5):345-50 (Eng. Abstr.) **(Chi)**

ADMINISTRATION & DOSAGE

Phase I investigation of ametantrone. Loesch DM, et al. **Cancer Treat Rep** 1983 Nov;67(11):987-91

Phase II study of mitoxantrone in patients with metastatic breast carcinoma: a Southeastern Cancer Study Group project. Smalley R, et al. **Cancer Treat Rep** 1983 Nov; 67(11):1039-40

Mitoxantrone hydrochloride in lymphoma. Coltman CA Jr, et al. **Cancer Treat Rev** 1983 Dec;10 Suppl B:73-6

Mitoxantrone in malignant lymphomas. Gams RA, et al. **Cancer Treat Rev** 1983 Dec;10 Suppl B:69-72

Combination chemotherapy with cyclophosphamide, mitoxantrone and 5-fluorouracil in patients with metastatic breast cancer. Yap HY, et al. **Cancer Treat Rev** 1983 Dec; 10 Suppl B:53-5

ADVERSE EFFECTS

Fatal congestive heart failure following mitoxantrone treatment in two children previously treated with doxorubicin and cisplatin. Pratt CB, et al. **Cancer Treat Rep** 1983 Jan;67(1):85-8

Clinical safety and tolerance of mitoxantrone (Novantrone). Crossley RJ. **Cancer Treat Rev** 1983 Dec;10 Suppl B:29-36

A cutaneous complication of Dorbanex therapy. Barth JH, et al. **Clin Exp Dermatol** 1984 Jan;9(1):95-6

Laxative eruption [letter] Verbov J. **Clin Exp Dermatol** 1984 Jul;9(4):435

Prospective study of left ventricular function using radionuclide scans in patients receiving mitoxantrone. Aapro MS, et al. **Invest New Drugs** 1983;1(4):341-7

Cardiotoxicity associated with mitoxantrone [letter] Stuart-Harris R, et al. **Lancet** 1984 Jul 28;2(8396):219-20

Unusual side effect of mitoxantrone [letter] Leyden MJ, et al. **Med J Aust** 1983 Nov 12;2(10):514

Selective alopecia with mitoxantrone [letter] Arlin ZA, et al. **N Engl J Med** 1984 May 31;310(22):1464

[Measurement of the intestinal clearance of alpha 1-antitrypsin and the exchangeable potassium pool in elderly patients treated with anthraquinone glycosides] Emeriau JP, et al. **Gastroenterol Clin Biol** 1983 Oct; 7(10):799-801 (Eng. Abstr.) **(Fre)**

ANALYSIS

Determination of residues of dithianon in apples by high-performance liquid chromatography. Baker PG, et al. **Analyst** 1984 Jan;109(1):81-3

Dothistromin as a metabolite of Cercospora arachidicola. Stoessl A. **Mycopathologia** 1984 Jun 30;86(3):165-8

[High performance liquid chromatography of the evolution of sennosides A and B in solution] Merle J, et al. **Farmaco [Prat]** 1984 Jul;39(7):233-42 (Eng. Abstr.) **(Fre)**

[Occurrence and analysis of the mycotoxin emodin] Gross M, et al. **Nahrung** 1984;28(1):31-44 (Eng. Abstr.) **(Ger)**

CHEMICAL SYNTHESIS

5-[(Aminoalkyl)amino]-substituted anthra[1,9-cd]pyrazol-6(2H)-ones as novel anticancer agents. Synthesis and biological evaluation. Showalter HD, et al. **J Med Chem** 1984 Mar;27(3):253-5

DIAGNOSTIC USE

Parathyroid surgery: the role of chief cell intracellular fat staining with osmium carmine in the intraoperative management of patients with primary hyperparathyroidism. Monchik JM, et al. **Surgery** 1983 Dec;94(6):877-86

ISOLATION & PURIFICATION

Identification of a mutagenic substance, in Rubia tinctorum L. (madder) root, as lucidin. Yasui Y, et al. **Mutat Res** 1983 Sep;121(3-4):185-90

[Isolation and study of the biological properties of a protease biosynthesis stimulating factor in an associative fungal culture] Buiak LI, et al. **Mikrobiologiia** 1983 Sep-Oct; 52(5):750-4 (Eng. Abstr.) **(Rus)**

METABOLISM

Mitoxantrone metabolism in the isolated perfused rat liver. Ehninger G, et al. **Cancer Chemother Pharmacol** 1984; 12(1):50-2

Pharmacological disposition of 1,4-dihydroxy-5-8-bis[[2 [(2-hydroxyethyl)amino]ethyl]amino]-9,10-anthracenedion dihydrochloride in the dog. Lu K, et al. **Cancer Chemother Pharmacol** 1984;13(1):63-6

Detection and quantification of mitoxantrone in human organs. A case report. Roboz J, et al. **Cancer Chemother Pharmacol** 1984;13(1):67-8

Disposition of mitoxantrone in patients. Alberts DS, et al. **Cancer Treat Rev** 1983 Dec;10 Suppl B:23-7

Microbial transformation of aklanonic acid, a potential early intermediate in the biosynthesis of anthracyclines. Wagner C, et al. **J Antibiot (Tokyo)** 1984 Jun;37(6):691-2

Microsomal transformation of emodin into a direct mutagen. Masuda T, et al. **Mutat Res** 1984 Feb;125(2):135-44

PHARMACODYNAMICS

Averufin, an anthraquinone mycotoxin possessing a potent uncoupling effect on mitochondrial respiration. Kawai K, et al. **Appl Environ Microbiol** 1984 Mar;47(3):481-3

Comparative cardiac oxygen radical metabolism by anthracycline antibiotics, mitoxantrone, bisantrene, 4'-(9-acridinylamino)-methanesulfon-m-anisidide, and neocarzinostatin. Doroshow JH, et al. **Biochem Pharmacol** 1983 Oct 1;32(19):2935-9

Synthesis of simian virus 40 chromosomes in nuclear extracts from dihydroxyanthraquinone-treated cells. Ma X, et al. **Biochim Biophys Acta** 1984 Feb 24;781(1-2):173-82

Acute effects of mitoxantrone on the template activity of isolated nuclei from the T-47D human breast tumor cell line. Chegini N, et al. **Cancer Lett** 1984 Jan;21(3):329-36

Molecular and biochemical pharmacology of mitoxantrone. Durr FE, et al. **Cancer Treat Rev** 1983 Dec;10 Suppl B:3-11 (26 ref.)

Relationship between cytotoxicity and DNA damage in mammalian cells treated with anthracenedione derivatives. Locher SE, et al. **Chem Biol Interact** 1983 Sep 15; 46(3):369-79

The mutagenic effect in bacteriophage T4D of a hair dye, 1,4 diaminoanthraquinone, and of two solvents, dimethylsulfoxide and ethanol. Kvelland I. **Hereditas** 1983; 99(2):209-13

Sensitivity of cultured human pancreatic carcinoma cells to dihydroxyanthracenedione. Fountzilas G, et al. **Int J Cancer** 1984 Mar 15;33(3):347-53

Comparative cytotoxicity of adriamycin, mitoxantrone and bisantrene as measured by a human tumor cloning system. Cowan JD, et al. **Invest New Drugs** 1983;1(2):139-44

Influence of mitoxantrone on nucleic acid synthesis on the T-47D breast tumor cell line. Safa AR, et al. **J Cell Biochem** 1983;22(2):111-20

Effect of indomethacin on aloin and 1,8 dioxianthraquinone-induced production of prostaglandins in rat isolated colon. Capasso F, et al. **Prostaglandins** 1983 Oct;26(4):557-62

THERAPEUTIC USE

Effect of dihydroxyanthraquinone on the response of a rat solid tumor to radiation therapy. Kimler BF, et al. **Am J Clin Oncol** 1984 Apr;7(2):141-4

Phase II clinical evaluation of dihydroxyanthracenedione in patients with advanced lung cancer. Valdivieso M, et al. **Am J Clin Oncol** 1984 Jun;7(3):241-4

Mitoxantrone: a promising new chemotherapeutic agent. Dalton WS, et al. **Ariz Med** 1984 Feb;41(2):96-8

Mitoxantrone treatment in advanced breast cancer. Leyden M, et al. **Aust NZ J Surg** 1984 Feb;54(1):21-4

Mitoxantrone: an active new agent in the treatment of advanced breast cancer. Stuart-Harris RC, et al. **Cancer Chemother Pharmacol** 1984;12(1):1-4

Use of a human tumor cloning system to evaluate analogs of methotrexate and mitoxantrone. Lathan B, et al. **Cancer Treat Rep** 1984 May;68(5):733-8

Mitoxantrone: modest activity in a phase II trial in advanced prostate cancer. Osborne CK, et al. **Cancer Treat Rep** 1983 Dec;67(12):1133-5

Treatment of metastatic sarcomas with mitoxantrone. Presant CA, et al. **Cancer Treat Rep** 1984 May;68(5):813-4

Mitoxantrone in malignant melanoma. Presant CA, et al. **Cancer Treat Rep** 1984 Jun;68(6):903-5

Phase II clinical trial of mitoxantrone in patients with advanced renal cell carcinoma: a Southwest Oncology Group study. Taylor SA, et al. **Cancer Treat Rep** 1984 Jun; 68(6):919-20

Mitoxantrone—a critique. Holland JF. **Cancer Treat Rev** 1983 Dec;10 Suppl B:77-9

Mitoxantrone as first line cytotoxic therapy in advanced breast cancer: preliminary results of a phase II study. Mouridsen HT, et al. **Cancer Treat Rev** 1983 Dec;10 Suppl B:47-52

Mitoxantrone versus doxorubicin in advanced breast cancer: a randomized cross-over trial. Neidhart JA, et al. **Cancer Treat Rev** 1983 Dec;10 Suppl B:41-6

Mitoxantrone in acute lymphoblastic leukemia. Paciucci PA, et al. **Cancer Treat Rev** 1983 Dec;10 Suppl B:65-8

Sequential studies on the role of mitoxantrone in the treatment of acute leukaemia. Prentice HG, et al. **Cancer Treat Rev** 1983 Dec;10 Suppl B:57-63

Therapeutic activity of mitoxantrone and ametantrone against murine tumors. Schabel FM Jr, et al. **Cancer Treat Rev** 1983 Dec;10 Suppl B:13-21 (21 ref.)

Mitoxantrone (Novantrone) as single agent and in combination chemotherapy in the treatment of advanced breast cancer. Smith IE, et al. **Cancer Treat Rev** 1983 Dec; 10 Suppl B:37-40

Mitoxantrone: a replacement for doxorubicin? Conner CS. **Drug Intell Clin Pharm** 1984 Jun;18(6):479-80

Mitoxantrone in advanced breast cancer—a phase II study with special attention to cardiotoxicity. Coleman RE, et al. **Eur J Cancer Clin Oncol** 1984 Jun;20(6):771-6

Cross-resistance of vincristine-resistant sublines of P388 leukemia to mitoxantrone with special emphasis on the relationship between in vitro and in vivo cross-resistance. Inaba M, et al. **Gann** 1984 Jul;75(7):625-30

Mitoxantrone hydrochloride (NSC-310739) in lymphoma. A Southwest Oncology Group study. Coltman CA Jr, et al. **Invest New Drugs** 1983;1(1):65-70

Mitoxantrone in advanced breast cancer: a phase II trial of the Southwest Oncology Group. Knight WA 3d, et al. **Invest New Drugs** 1983;1(2):181-4

Mitozantrone [editorial] **Lancet** 1984 Aug 4;2(8397):265-6

Dihydroxyanthraquinone and related bis(substituted) aminoanthraquinones: a novel class of antitumor agents. Traganos F. **Pharmacol Ther** 1983;22(2):199-214 (62 ref.)

The design, synthesis and development of a new class of potent antineoplastic anthraquinones. Cheng CC, et al. **Prog Med Chem** 1983;20:83-118 (254 ref.)

Laxatives as colonic preparation for barium enema: the patient's viewpoint. Coombs BM. **Radiography** 1983 Sep; 49(585):221-2

[Mitoxantrone in the primary treatment of metastasizing breast cancer] Lenzhofer R, et al. **Wien Klin Wochenschr** 1984 Apr 27;96(9):319-26 (Eng. Abstr.) **(Ger)**

[Phase II study of mitoxantrone for acute leukemia] Oguma S, et al. **Gan To Kagaku Ryoho** 1984 Mar;11(3):497-501 (Eng. Abstr.) **(Jpn)**

[Phase II study of mitoxantrone] Tada A, et al. **Gan To Kagaku Ryoho** 1984 Aug;11(8):1649-54 (Eng. Abstr.) **(Jpn)**

[Effects of 4'-Epi-adriamycin, THP-adriamycin and mitoxantrone on patients with advanced and recurrent breast cancer] Tominaga T, et al. **Gan To Kagaku Ryoho** 1984 Aug;11(8):1669-74 (Eng. Abstr.) **(Jpn)**

[Anti-tumor effects of adriamycin, 4'-Epi-adriamycin, THP-adriamycin and mitoxantrone on rat mammary cancer induced by 7,12-dimethyl benz (A) anthracene] Tominaga T, et al. **Gan To Kagaku Ryoho** 1984 Aug; 11(8):1663-8 (Eng. Abstr.) **(Jpn)**

[Phase II study of mitoxantrone for hematologic malignancies] Ueoka H, et al. **Gan To Kagaku Ryoho** 1983 Nov;10(11):2399-402 (Eng. Abstr.) **(Jpn)**

[A case of refractory acute lymphocytic leukemia who achieved a complete remission by mitoxantrone] Yoshikawa H, et al. **Gan To Kagaku Ryoho** 1984 Mar; 11(3):515-20 (Eng. Abstr.) **(Jpn)**

TOXICITY

The acute toxicity of 1-methylaminoanthraquinone in dogs and rabbits and its metabolism in sheep. Martin BW, et al. **Arch Environ Contam Toxicol** 1983 Jul;12(4):499-507

Effect of temperature on the cytotoxicity of vindesine, amsacrine, and mitoxantrone. Herman TS. **Cancer Treat Rep** 1983 Nov;67(11):1019-22

Myocardial effects of mitoxantrone and doxorubicin in the mouse and guinea pig. Perkins WE, et al. **Cancer Treat Rep** 1984 Jun;68(6):841-7

Ultrastructural evidence of cardiac damage resulting from thoracic irradiation and anthracyclines in the rat. Kimler BF, et al. **Int J Radiat Oncol Biol Phys** 1984 Aug; 10(8):1465-9

Interaction of radiation, dihydroxyanthraquinone, and adriamycin on the induction of acute lethality in mice. Kimler BF, et al. **Int J Radiat Oncol Biol Phys** 1984 Aug; 10(8):1459-63

Correlation of the structure of amino-substituted anthraquinones to cytotoxicity in cultured Chinese hamster cells. Kimler BF, et al. **Invest New Drugs** 1983;1(3):213-8

Acute cardiovascular and renal changes induced by mitoxantrone in rabbits. A pharmacokinetic approach. Hulhoven R, et al. **Toxicol Lett** 1983 Aug;18(1-2):19-26

A comparative study on cytotoxicities and biochemical properties of anthraquinone mycotoxins emodin and skyrin from Penicillium islandicum Sopp. Kawai K, et al. **Toxicol Lett** 1984 Feb;20(2):155-60

ANTHRAX

Anthrax of the hand: case report. Wylock P, et al. **J Hand Surg** 1983 Sep;8(5 Pt 1):576-8

DIAGNOSIS

[Renal anthrax. Apropos of 3 cases] Regadera Sejas FJ, et al. **Arch Esp Urol** 1983 Nov-Dec;36(6):433-8 (Eng. Abstr.) **(Spa)**

OCCURRENCE

Outbreak of oral-oropharyngeal anthrax: an unusual manifestation of human infection with Bacillus anthracis. Sirisanthana T, et al. **Am J Trop Med Hyg** 1984 Jan; 33(1):144-50

[World incidence of anthrax (morbidity in foreign countries)] Cherkasskiĭ BL. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Nov;(11):3-7 **(Rus)**

[Mapping method in the epidemiological study of infections and infestations. II. Soil characteristics in localities permanently at risk for anthrax] Kas'ianenko AM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Jan;(1):90-5 (Eng. Abstr.) **(Rus)**

VETERINARY

Isolation of anthrax bacillus from an elephant in Bangladesh. Mustafa AH. **Vet Rec** 1984 Jun 16;114(24):590

ANTHROPOIDEA

Monkey-caused injuries in the region served by the Beer Sheva District Health Office, 1978-82. Gross EM, et al. **Isr J Med Sci** 1984 Aug;20(8):725-6

Geochronology, stratigraphy and geochemistry of Cindery Tuff in Pliocene hominid-bearing sediments of the Middle Awash, Ethiopia. Hall CM, et al. **Nature** 1984 Mar 1-7; 308(5954):26-31

33,000-yr old chert mining site and related Homo in the Egyptian Nile Valley. Vermeersch PM, et al. **Nature** 1984 May 24-30;309(5966):342-4

A gathering of our ancestors [news] Wood B. **Nature** 1984 May 17-23;309(5965):208

Ethopharmacology: primate models of neuropsychiatric disorders. Proceedings of the symposium on primate ethopharmacology, IX congress of the International Primatological Society. Atlanta, Georgia, August 1982. **Prog Clin Biol Res** 1983;131:1-334

Benign prostatic hyperplasia in the nonhuman primate. Lewis RW. **Prog Clin Biol Res** 1984;145:235-55 (33 ref.)

Is the orangutan a living fossil? Molecular biology and paleontology have combined recently to arrive at a consensus on human/ape evolution; a new Kenyan fossil stirs the debate once more [news] Lewin R. **Science** 1983 Dec 16;222(4629):1222-3

The Taub case [letter] Morrison AR, et al. **Science** 1984 Aug 31;225(4665):878

[Prolactin and paternal behavior in male monkeys] Presl J. **Cesk Gynekol** 1983 Aug;48(7):499-500 **(Cze)**

ANATOMY & HISTOLOGY

Additional fossil Theropithecus from Hopefield, South Africa: a comparison with other African sites and a reevaluation of its taxonomic status. Dechow PC, et al. **Am J Phys Anthropol** 1984 Apr;63(4):405-35

Dental formulae and dental eruption patterns in Parapithecidae (Primates, Anthropoidea). Kay RF, et al. **Am J Phys Anthropol** 1983 Dec;62(4):363-75

A morphometric and taxonomic assessment of a hominine femur from the lower member, Koobi Fora, Lake Turkana. Kennedy GE. **Am J Phys Anthropol** 1983 Aug;61(4):429-36

Variation in the pattern of cranial venous sinuses and hominid phylogeny. Kimbel WH. **Am J Phys Anthropol** 1984 Mar; 63(3):243-63

The capitate of Australopithecus afarensis and A. africanus. McHenry HM. **Am J Phys Anthropol** 1983 Oct; 62(2):187-98

A hominine hip bone, KNM-ER 3228, from East Lake Turkana, Kenya. Rose MD. **Am J Phys Anthropol** 1984 Apr;63(4):371-8

A comment on Feldesman's analysis of the distal humerus. Washburn SL. **Am J Phys Anthropol** 1984 Jan;63(1):85-9

Computerized x-ray tomography of fossil hominid skulls. Wind J. **Am J Phys Anthropol** 1984 Mar;63(3):265-82

Reflections on the footprints of the hominids found at Laetoli. Capecchi V. **Anthropol Anz** 1984 Jun;42(2):81-6

Retinotopy and orientation columns in the monkey: a new model. Dow BM, et al. **Biol Cybern** 1984;49(3):189-200

Australopithecus and the origin of the genus Homo: aspects of biometry and systematics with accompanying catalog of tooth metric data. Blumenberg B, et al. **Biosystems** 1983; 16(2):127-67 (97 ref.)

An immunohistochemical study of the middle ear muscles of some carnivores and primates, with special reference to the IIM and slow-tonic fibre types. Mascarello F, et al. **J Anat** 1983 Aug;137 (Pt 1):95-108

The evolutionary relationships of man and orang-utans. Schwartz JH. **Nature** 1984 Apr 5-11;308(5959):501-5 (53 ref.)

Holocene age of the Yuha burial: direct radiocarbon determinations by accelerator mass spectrometry. Stafford TW Jr, et al. **Nature** 1984 Mar 29-Apr 4;308(5958):446-7

Ramapithecines from China: evidence from tooth dimensions. Wu RK, et al. **Nature** 1983 Nov 17-23;306(5940):258-60

[Wearing of the teeth in Australopithecus afarensis: microscopic examination of the superior canine/lower first premolar complex] Puech PF, et al. **C R Seances Acad Sci [III]** 1983;296(23):1083-8 (Eng. Abstr.) **(Fre)**

[A reconstruction of the skeleton of A.L. 288-1 (Hadar) and its consequences] Schmid P. **Folia Primatol (Basel)** 1983; 40(4):283-306 (Eng. Abstr.) **(Ger)**

[Descriptive equations of the frontal-facial profile of Australopithecus africanus STS5 (Plesianthropus transvaalensis)] Pesce Delfino V, et al. **Boll Soc Ital Biol Sper** 1984 Jan 30;60(1):9-15 (Eng. Abstr.) **(Ita)**

[Analytical description and comparison of profiles and sections of the skull by polynomial equations. Illustration of the procedure] Pesce Delfino V, et al. **Boll Soc Ital Biol Sper** 1984 Jan 30;60(1):1-7 (Eng. Abstr.) **(Ita)**

[Evolutional aspects of changes in the configuration of the foot] Kozlov AI. **Arkh Anat Gistol Embriol** 1983 Jul; 85(7):78-82 (Eng. Abstr.) **(Rus)**

BLOOD

NCA: a differentiation antigen of myelopoietic cells in humans and hominoid monkeys. Wahren B, et al. **Ann NY Acad Sci** 1983;417:344-58

CLASSIFICATION

[Remarks apropos of Pliocene hominoid humerus from Chemeron (basin of Lake Baringo, Kenya] Senut B. **Folia Primatol (Basel)** 1983;41(3-4):267-76 (Eng. Abstr.) **(Fre)**

GENETICS

The phylogeny of the hominoid primates, as indicated by DNA-DNA hybridization. Sibley CG, et al. **J Mol Evol** 1984;20(1):2-15 (87 ref.)

The descent of hominoids and hominids. Pilbeam D. **Sci Am** 1984 Mar;250(3):84-96

IMMUNOLOGY

Delineation of lymphocyte subsets in lymph nodes of nonhuman primates. Chalifoux LV, et al. **Clin Immunol Immunopathol** 1984 Apr;31(1):96-101

Immunoelectrophoretic analyses of common antigens between human and monkey sera. Iwasa M, et al. **Tohoku J Exp Med** 1984 May;143(1):117-24

METABOLISM

Comparative studies on the localization of esteroproteases and kallikrein-like activity in primate organs. Arnold WH. **Histochem J** 1984 Jul;16(7):755-69

PARASITOLOGY

[Enterobius gregorii (Oxyuridae, Nematoda), a new human parasite] Hugot JP. **Ann Parasitol Hum Comp** 1983; 58(4):403-4 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Stride length and speed for adults, children, and fossil hominids. Alexander RM. **Am J Phys Anthropol** 1984 Jan; 63(1):23-7

Comparison of carotid sinus baroreceptors in dogs, cats, monkeys, and rabbits. Gilmore JP, et al. **Am J Physiol** 1984 Jul;247(1 Pt 2):R52-6

Involvement of alpha- and beta-adrenoreceptors in the central action of norepinephrine on temperature, metabolism, heart and respiratory rates of the conscious primate. Mora F, et al. **Brain Res Bull** 1983 Nov;11(5):613-6

Qualities and drawbacks of radiotransmitted vocalizations of monkeys through laryngophones: new perspectives in analysis. Gautier JP. **Folia Primatol (Basel)** 1983; 41(3-4):218-30

Taste thresholds for tryptophan in seven nonhuman primate species. Hobi G, et al. **Folia Primatol (Basel)** 1983; 41(1-2):124-8

A comparative evaluation of the cognitive skills of the chimpanzee and the monkey. Ettlinger G. **Int J Neurosci** 1983 Dec;22(1-2):7-19

Columnar aggregation of prefrontal and anterior cingulate cortical cells projecting to the thalamic mediodorsal nucleus in the monkey. Arikuni T, et al. **J Comp Neurol** 1983 Oct 10;220(1):116-25

[Preverbal language of monkeys] Firsov LA. **Zh Evol Biokhim Fiziol** 1983 Jul-Aug;19(4):381-9 (40 ref.) **(Rus)**

ANTHROPOLOGY

Population and health in the developing world: research perspectives for medical anthropologists. Ford TR, et al. **Soc Sci Med** 1984;18(10):855-9

Anthropological research perspectives on health problems in developing countries. Foster GM. **Soc Sci Med** 1984; 18(10):847-54

The challenge of comparative health policy research for applied medical anthropology. Hill CE. **Soc Sci Med** 1984; 18(10):861-71

[Hypothetical link between ape and man. The early fossil-poor history in paleoanthropology] Schmutz HK. **Sudhoffs Arch** 1984;68(1):77-83 **(Ger)**

[Anthropology and reconstitution] Baran D. **Rev Med Chir Soc Med Nat Iasi** 1983 Jul-Sep;87(3):505-7 **(Rum)**

HISTORY

Freud and anthropology. A history and reappraisal. Wallace ER 4th. **Psychol Issues** 1983;(55):1-306 (350 ref.)

[Anthropologic medicine in transition. From Viktor von Weizsäcker to Dieter Wyss] Zacher A. **Nervenarzt** 1983 Nov;54(11):598-603 **(Ger)**

ANTHROPOLOGY, CULTURAL

Anthropology and mental retardation: research approaches and opportunities. Edgerton RB. **Cult Med Psychiatry** 1984 Mar;8(1):25-48

Concepts from medical anthropology for clinicians. Parry KK. **Phys Ther** 1984 Jun;64(6):929-33

Contributions from anthropology to the study of alcoholism. Overview. Bennett LA. **Recent Dev Alcohol** 1984;2:303-11

Alcohol use in the perspective of cultural ecology. Gordon AJ. **Recent Dev Alcohol** 1984;2:355-75

Selected contexts of anthropological studies in the alcohol field. Introduction. Heath DB. **Recent Dev Alcohol** 1984; 2:377-81

Ethnohistory and alcohol studies. Hill TW. **Recent Dev Alcohol** 1984;2:313-37

Psychiatric pluralism in Bengal, India. Bhattacharyya DP. **Soc Sci Med** 1983;17(14):947-56

L'éternel couteau: review of female circumcision. Fourcroy JL. **Urology** 1983 Oct;22(4):458-61

[Sigmund Freud and Dieter Wyss. The relation of psychoanalysis to anthropologic-integrative psychotherapy] Zacher A, et al. **Z Klin Psychol Psychopathol Psychother** 1983; 31(3):197-216 **(Ger)**

[Socio-anthropology of the alcoholization process in Latin America, 1970-1980 (1)] Menéndez EL. **Acta Psiquiatr Psicol Am Lat** 1983 Dec;29(4):247-56 (Eng. Abstr.) **(Spa)**

[The alcoholization process in Latin America. Critical analysis of biomedical and sociological production, 1970-1980 (2)] Menéndez EL. **Acta Psiquiatr Psicol Am Lat** 1984 Mar;30(1):29-40 (Eng. Abstr.) **(Spa)**

TRENDS

[The atmosphere in H. Tellenbach's phenomenologic anthropology] Fernandes B. **Ann Med Psychol (Paris)** 1983 Apr;141(4):415-22 (Eng. Abstr.) **(Fre)**

ANTHROPOLOGY, PHYSICAL

see related
ANTHROPOMETRY
BIOMETRY
GENETICS, MEDICAL

Abstracts of papers to be presented at the fifty-third annual meeting of the American Association of Physical Anthropologists. Philadelphia, Pennsylvania April 11-14, 1984. **Am J Phys Anthropol** 1984 Feb;63(2):133-242

Genetics, evolution, and disease. A collection of papers from symposia from the fifty-first annual meeting of the American Association of Physical Anthropologists. Eugene, Oregon, April 1-3, 1982. **Am J Phys Anthropol** 1983 Sep;62(1):1-127

EDUCATION

Graduate education and the role of the physical anthropologist in biomedical teaching and research. Burr DB, et al. **Am J Phys Anthropol** 1984 Jun;64(2):155–9

The advantages of simulated crime scenes in teaching forensic anthropology [letter] Berryman HE, et al. **J Forensic Sci** 1984 Jul;29(3):699–700

METHODS

Effects of burning on human bone microstructure: a preliminary study. Bradtmiller B, et al. **J Forensic Sci** 1984 Apr;29(2):535–40

Estimating the date of bone remains: a multivariate study. Castellano MA, et al. **J Forensic Sci** 1984 Apr;29(2):527–34

TRENDS

The emergence of biomedical anthropology and its implications for the future. Wienker CW. **Am J Phys Anthropol** 1984 Jun;64(2):141–6

[Critique of methodologic errors in the theory of anthropogenesis] Nikitiuk BA, et al. **Arkh Anat Gistol Embriol** 1983 Sep;85(9):5–13 (33 ref.) **(Rus)**

ANTHROPOMETRY

see related

CEPHALOMETRY

Anthropometric studies in Norwegian children. Waaler PE. **Acta Paediatr Scand [Suppl]** 1983;308:1–41

Bone mineral content in 70- and 75-year-old men and women: an analysis of some anthropometric background factors. Rundgren A, et al. **Age Ageing** 1984 Jan;13(1):6–13

The National Evaluation of School Nutrition Programs: program impact on anthropometric measures. Vermeersch J, et al. **Am J Clin Nutr** 1984 Aug;40(2 Suppl):414–24

An anthropometric study of males with the fragile-X syndrome. Meryash DL, et al. **Am J Med Genet** 1984 Jan; 17(1):159–74

A family study of anthropometric traits in a Punjabi community: II. An investigation of familial transmission. Byard PJ, et al. **Am J Phys Anthropol** 1984 Jun;64(2):97–104

Assortative marriage for physical characteristics in newlyweds. Pennock-Roman M. **Am J Phys Anthropol** 1984 Jun;64(2):185–90

Effects of X chromosome on size and shape of body: an anthropometric investigation in 47,XXY males. Varrela J. **Am J Phys Anthropol** 1984 Jul;64(3):233–42

Anthropometry and numerical taxonomy in clinical genetics: an example of applied biological anthropology. Ward RE, et al. **Am J Phys Anthropol** 1984 Jun;64(2):147–54

Obesity prognosis: a longitudinal study of children from the age of 6 months to 9 years. Shapiro LR, et al. **Am J Public Health** 1984 Sep;74(9):968–72

Heritability of body measurements among the Jalari population in Visakhapatnam. Devi MR, et al. **Ann Hum Biol** 1983 Sep–Oct;10(5):483–5

Climate-associated anthropometric variation between populations of the Niger bend. Froment A, et al. **Ann Hum Biol** 1984 May–Jun;11(3):189–200

Anthropometric survey of high-altitude Bolivian porters. Leatherman TL, et al. **Ann Hum Biol** 1984 May–Jun; 11(3):253–6

Body dimensions of Québecois children. Shephard RJ, et al. **Ann Hum Biol** 1984 May–Jun;11(3):243–52

Biochemical heterozygosity as a predictor of developmental homeostasis in man. Livshits G, et al. **Ann Hum Genet** 1984 May;48 (Pt 2):173–84

Body size and shape in 46,XX males: an anthropometric investigation. Varrela J. **Ann Hum Genet** 1984 Jul;48 (Pt 3):261–7

Objective assessment of standard nostril types--a morphometric study. Farkas LG, et al. **Ann Plast Surg** 1983 Nov;11(5):381–9

Anthropometric norms in the elderly. Burr ML, et al. **Br J Nutr** 1984 Mar;51(2):165–9

A simplistic approach to structural dysplasia assessment: description and validation. Battinelli T. **Br J Sports Med** 1984 Mar;18(1):22–5

A comparative study of rural athletes of four states of India. Bhatnagar DP, et al. **Br J Sports Med** 1984 Mar;18(1):34–7

Physical characteristics of novice and experienced women marathon runners. Christensen CL, et al. **Br J Sports Med** 1983 Sep;17(3):166–71

Some anthropometric characteristics of the National Junior Hammer Squad. Kidd D, et al. **Br J Sports Med** 1983 Dec; 17(4):152–3

The impact of oedema on anthropometric measurements in nutritional surveys: a case study from Zaire. Franklin RR, et al. **Bull WHO** 1984;62(1):145–50

Differential diagnosis of the Williams and the Noonan syndromes. Preus M. **Clin Genet** 1984 May;25(5):429–34

The Williams syndrome: objective definition and diagnosis. Preus M. **Clin Genet** 1984 May;25(5):422–8

Anthropometric nutritional assessment is of value in colorectal patients. de la Hunt MN, et al. **Dis Colon Rectum** 1984 May;27(5):296–8

Anthropometric standards for term neonates. Dangerfield PH, et al. **Early Hum Dev** 1983 Oct;8(3–4):225–33

Simple anthropometry in malnourished children. van der Haar F, et al. **East Afr Med J** 1983 Mar;60(3):171–8

The relationship between size, strength and task demands. Celentano EJ, et al. **Ergonomics** 1984 May;27(5):481–8

Hong Kong female hand dimensions and machine guarding. Courtney AJ, et al. **Ergonomics** 1984 Feb;27(2):187–93

Prediction of body volume by a stepwise linear regression technique. Verma SS, et al. **Eur J Applied Physiol** 1983; 52(1):126–30

Methods for comparing groups of growth curves when patterns of observation times vary among subjects. de With C, et al. **Growth** 1984 Summer;48(2):187–91

Correlations between measurements in preschool children living on a former island. Griffioen FM, et al. **Growth** 1984 Spring;48(1):93–100

Body size, body form, and nutritional intake of Black girls age 9 years living in rural and urban regions of eastern North Carolina. Steele MF, et al. **Growth** 1983 Summer; 47(2):207–16

Maternal anthropometric changes during pregnancy and lactation in a rural Taiwanese population. Adair LS, et al. **Hum Biol** 1983 Dec;55(4):771–87

Role of longitudinal change and secular trend in age differences in male body dimensions. Borkan GA, et al. **Hum Biol** 1983 Sep;55(3):629–41

Sibling correlations for weight/stature and calf circumference: age changes and possible sex linkage. Byard PJ, et al. **Hum Biol** 1983 Sep;55(3):677–85

Anthropometric traits, balanced selection and fertility. Goldstein MS, et al. **Hum Biol** 1984 Feb;56(1):35–46

Ethnic and social class differences in selected anthropometric characteristics of Mexican American and Anglo adults: the San Antonio Heart Study. Malina RM, et al. **Hum Biol** 1983 Dec;55(4):867–83

Correlation analysis of distance measures based on geography, anthropometry, and isonymy. Relethford JH, et al. **Hum Biol** 1983 Sep;55(3):653–65

Anthropometric characteristics of elite adolescent competitive swimmers. Thorland WG, et al. **Hum Biol** 1983 Dec;55(4):735–48

Anthropometric variation among Koyas. Ravindranath D, et al. **Hum Hered** 1984;34(2):131–2

Impact of pre-school supplementary feeding programme on anthropometry. Chawla P, et al. **Indian Pediatr** 1983 May; 20(5):363–7

Physiologic and anthropometric factors underlying endurance performance in children. Palgi Y, et al. **Int J Sports Med** 1984 Apr;5(2):67–73

Tracking of cardiovascular disease risk factor variables in school-age children. Webber LS, et al. **J Chronic Dis** 1983; 36(9):647–60

Age changes in body composition revealed by computed tomography. Borkan GA, et al. **J Gerontol** 1983 Nov; 38(6):673–7

Anthropometric relationship with blood pressure in normal Thai adults. Suvachittanont O, et al. **J Med Assoc Thai** 1983 Aug;66(8):439–42

Clinical outcome as assessed by anthropometric parameters, albumin, and cellular immune function in high-risk infants receiving parenteral nutrition. Helms RA, et al. **J Pediatr Surg** 1983 Oct;18(5):564–9

Influence of the recipient's size upon renal function following kidney transplantation. An experimental and clinical investigation. Provoost AP, et al. **J Pediatr Surg** 1984 Feb; 19(1):63–7

An evaluation of intertester variability in anthropometry and body composition assessment. Housh TJ, et al. **J Sports Med Phys Fitness** 1983 Sep;23(3):311–4

Anthropometric, training and menstrual differences of three groups of American collegiate female runners. Webb JL, et al. **J Sports Med Phys Fitness** 1983 Jun;23(2):201–9

The binocular distance: a new way to estimate fetal age. Jeanty P, et al. **J Ultrasound Med** 1984 Jun;3(6):241–3

A body measurement to evaluate the pattern of fat distribution in central obesity. A screening and monitoring technique for Cushing's syndrome. Hiramatsu R, et al. **JAMA** 1983 Dec 16;250(23):3174–8

Use of the hand-held calculator in office ultrasound. Christenson D, et al. **Obstet Gynecol** 1984 Sep;64(3):427–30

The relationship between birth weight and a number of body measurements of neonates at Dr. Pirngadi Hospital Medan. Hamid N, et al. **Paediatr Indones** 1983 May–Jun; 23(5–6):95–102

Clinical use of 'somatometric profiles' and the effect of polygenic inheritance for stature in patients with bone dysplasias. Guizar-Vázquez J, et al. **Rev Invest Clin** 1983 Jul–Sep;35(3):231–5

Early bone grafting in complete cleft lip and palate cases following maxillofacial orthopedics. VI. Assessments from photographs and anthropometric measurements. Larson O, et al. **Scand J Plast Reconstr Surg** 1983;17(3):209–23

Machakos project studies No. XXIV. Anthropometric changes during pregnancy in rural African women. Jansen AA, et al. **Trop Geogr Med** 1984 Mar;36(1):91–7

[Personal experience with gravidometry] Heloňa J, et al. **Cesk Gynekol** 1983 Jul;48(6):411–6 (Eng. Abstr.) **(Cze)**

[Determination of palatal height in children in the 8th grade in Prague] Nováková A, et al. **Sb Lek** 1983 Sep; 85(7–8):233–8 (Eng. Abstr.) **(Cze)**

[Anthropometric analysis of the 1980–1981 Belgian school population. I. Description of the survey project. II. Initial results] Beckers R, et al. **Arch Belg** 1983;41(3–4):89–123 (Eng. Abstr.) **(Fre)**

[Nutritional rehabilitation and evaluation of the nutritional state. Validity of anthropometric measures for following, in hospitalized patients, the course of nutritional status and of body compartments during nutritional recovery] Vázquez PE, et al. **Arch Latinoam Nutr** 1983 Dec; 33(4):755–69 (Eng. Abstr.) **(Fre)**

[Prediction of postoperative parameters in calculating intraocular lenses] Huber C. **Bull Mem Soc Fr Ophtalmol** 1983;95:201–6 **(Fre)**

[Preparing growth and development standards: a response to Yeung, Pennell, Hall and Leung] Thibault HW, et al. **Can J Public Health** 1984 May–Jun;75(3):245–7 (Eng. Abstr.) **(Fre)**

[Body and craniofacial biometric study of 26 Klinefelter patients compared to 307 controls] Gueguen A, et al. **J Genet Hum** 1983 Jun;31(2):141–56 (Eng. Abstr.) **(Fre)**

[Anthropometric measurements of children with phenylketonuria under diet therapy] Cobet G, et al. **Arztl Jugendkd** 1984 Feb;75(1):20–8 (Eng. Abstr.) **(Ger)**

[Additional recommendations for dimensions of environmental structures and articles based on the size of the child or adolescent] Grimm H. **Arztl Jugendkd** 1984 Feb;75(1):1–6 (Eng. Abstr.) **(Ger)**

[The dynamics of physical development (height and weight) in relation to sex maturation in girls observed continuously between the ages of 6 and 17 in longitudinal studies. IV. Aspects of the constitutional type; evaluation of chest and abdominal circumference] Barghini G. **Minerva Pediatr** 1983 Sep 15;35(17):821–3 (Eng. Abstr.) **(Ita)**

[Anthropometry of the distance from the incisor to the carina under endotracheal intubation] Tsuji S. **Masui** 1983 Sep; 32(9):1053–9 (Eng. Abstr.) **(Jpn)**

[Human body density to estimated by anthropometric factors--with special reference to male college students] Ogawa M. **Nippon Eiseigaku Zasshi** 1984 Feb;38(6):914–22 (Eng. Abstr.) **(Jpn)**

[New parameters for nutritional evaluation--preliminary research] Faintuch J, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1983 Aug;38(4):164–6 (Eng. Abstr.) **(Por)**

[Recent proposed changes in the anthropometric evaluation of the nutritional status of children: a critical evaluation] Monteiro CA. **Rev Saude Publica** 1984 Feb;18(1):56–63 (Eng. Abstr.) **(Por)**

[Anthropometric nutritional study of preschool children in low income areas of the State of São Paulo, Brazil] Monteiro CA, et al. **Rev Saude Publica** 1984 Feb;18(1):1–18 (Eng. Abstr.) **(Por)**

[Somatometric characteristics of obese adolescent females] Grebova DP. **Pediatriia** 1984 May;(5):51–3 (Eng. Abstr.) **(Rus)**

[Constancy of body proportions in children] Shaposhnikov EA. **Pediatriia** 1983 Jun;(6):53–6 **(Rus)**

[Critical analysis of the validity of arm circumference as an indicator of protein-energy nutritional status in preschool children] Delgado HL, et al. **Arch Latinoam Nutr** 1983 Mar;33(1):170–88 (Eng. Abstr.) **(Spa)**

[Reference tables of arm circumference from birth to 12 years of age for Argentinian girls and boys] Lejarraga H, et al. **Arch Latinoam Nutr** 1983 Mar;33(1):139–57 (Eng. Abstr.) **(Spa)**

[Uterine height as a method of predicting fetal growth] Fescina RH, et al. **Bol Of Sanit Panam** 1984 May; 96(5):377–86 (Eng. Abstr.) **(Spa)**

[Evaluation of nutritional status in clinical practice] Jaurrieta Mas E. **Med Clin (Barc)** 1983 Oct 29;81(13):584–8 **(Spa)**

INSTRUMENTATION

Further development in infant weighing scales. Morley D. **Trans R Soc Trop Med Hyg** 1983;77(4):555

[Isokinetic muscle strength measurement] Hjeltnes N, et al. **Tidsskr Nor Laegeforen** 1983 Sep 20;103(26):1822–6 **(Nor)**

METHODS

Testing of two score systems for the diagnosis of malnutrition. Amador M, et al. **Acta Paediatr Hung** 1983; 24(3):231–45

A novel format for a growth chart. Sorva R, et al. **Acta Paediatr Scand** 1984 Jul;73(4):527–9

Accuracy of TOBEC method questioned [letter] Mazess RB. **Am J Clin Nutr** 1984 Jan;39(1):157–9

Estimation of total water and fatness from weight and height: inaccurate for lean women. Scott EC. **Am J Phys Anthropol** 1984 May;64(1):83–7

Body potassium by four-pi 40K counting: an anthropometric correction. Pierson RN Jr, et al. **Am J Physiol** 1984 Feb; 246(2 Pt 2):F234–9

Ontogenetic development of skinfold thickness of the trunk in childhood and its relation to Rohrer's index. Hajniš K, et al. **Anthropol Anz** 1983 Dec;41(4):241–57

Physical properties of the human trunk as determined by computed tomography. Reid JG. **Arch Phys Med Rehabil** 1984 May;65(5):246–50

Statistical assessment of two methods of measuring scoliosis before treatment. Robinson EF, et al. **Can Med Assoc J** 1983 Oct 15;129(8):839–41

Iowa anatomical position system. A method of assessing posture. Smidt GL, et al. **Eur J Applied Physiol** 1984; 52(4):407–13

Biological age and its estimation. III. Introduction of a correction to the multiple regression model of biological

age in cross-sectional and longitudinal studies. Dubina TL, et al. **Exp Gerontol** 1984;19(2):133–43
Lack of consistency in the indirect methods of estimating percent body fat. Cumming DC, et al. **Fertil Steril** 1984 May;41(5):739–42
Roentgenological measurement of physiological vocal cord length. An analysis of 59 opera singers. Neng Run W, et al. **Folia Phoniatr (Basel)** 1983;35(6):289–93
Identification of personal height from the somatometry of the hand in Punjabi males. Bhatnagar DP, et al. **Forensic Sci Int** 1984 Feb;24(2):137–41
A new automated approach to high-density facial measurement. Part 1: The image capturing and processing hardware. Dowideit GR, et al. **Int J Biomed Comput** 1983 Sep;14(5):403–9
Evaluating upper arm anthropometric measurements. Bishop CW, et al. **J Am Diet Assoc** 1984 Mar;84(3):330–5
Head orientation measured with a video system. Bechtold JE, et al. **J Biomech Eng** 1983 Nov;105(4):404–6
Generation of surface model of human trunk and its applications. Nagashima S, et al. **J Hum Ergol (Tokyo)** 1983 Sep;12(1):27–38
New method for the estimation of lean body mass in infants (EMME instrument): validation in nonhuman models. Klish WJ, et al. **J Pediatr Gastroenterol Nutr** 1984 Mar; 3(2):199–204
A comparison of anthropometric methods for assessing nutritional status of preschool children: the Philippines study. Johnson MD, et al. **J Trop Pediatr** 1984 Apr; 30(2):96–104
Validity of anthropometric equations for the estimation of body density in adolescent athletes. Thorland WG, et al. **Med Sci Sports Exerc** 1984;16(1):77–81
An optical method of studying the shape and movement of the chest wall in recumbent patients. Morgan MD, et al. **Thorax** 1984 Feb;39(2):101–6
Optical mapping of the thoracoabdominal wall. Peacock AJ, et al. **Thorax** 1984 Feb;39(2):93–100
[Fetal growth and repeated measurement of the thoracic circumference. 1. Are measurements of the thoracic circumference made in the beginning of the third trimester of pregnancy useful?] Chef R. **J Gynecol Obstet Biol Reprod (Paris)** 1983;12(5):495–500 (Eng. Abstr.) **(Fre)**
[Fetal biometry: review and application of sex determination] Levi S, et al. **Ultrasound Med Biol** 1984 Jan-Feb;10(1):51–9 (Eng. Abstr.) **(Fre)**
[Formation of mean values in growth spurts and incremental growth humps] Sager G. **Anat Anz** 1984;155(1–5):283–96 (Eng. Abstr.) **(Ger)**
[Chest circumference of East German children in mathematical analysis] Sager G. **Anat Anz** 1984; 156(1):65–74 (Eng. Abstr.) **(Ger)**
[Determination of the size of the left atrium (letter)] Friedmann G, et al. **Dtsch Med Wochenschr** 1984 Aug 3; 109(31–32):1221–2 **(Ger)**
[Ultrasonic biometry of the optic nerve diameter] Horikoshi J, et al. **Nippon Ganka Gakkai Zasshi** 1984 Jan;88(1):91–7 (Eng. Abstr.) **(Jpn)**
[Improved methodology for detecting flatfoot by the M. O. Fridland method] Bulanova IV. **Arkh Anat Gistol Embriol** 1983 Sep;85(9):82–6 (9 ref.) **(Rus)**
[Chief factors in the system of women's physical dimensions] Kaarma KhT. **Arkh Anat Gistol Embriol** 1983 Sep; 85(9):67–70 (18 ref.) (Eng. Abstr.) **(Rus)**
[Evaluation and comparison of means taking into account the variability of primary measurable objects and individual differences] Potapova IG, et al. **Arkh Anat Gistol Embriol** 1983 Sep;85(9):86–92 (4 ref.) **(Rus)**

STANDARDS

[Differential approach to the development of physiologic standards and its significance for preventive cardiology] Oganov RG, et al. **Kardiologiia** 1984 Apr;24(4):52–6 (Eng. Abstr.) **(Rus)**

ANTI-SHOCK TROUSERS see **G SUITS**

ANTIADRENERGIC AGENTS see **SYMPATHOLYTICS**

ANTIANDROGENS see **ANDROGEN ANTAGONISTS**

ANTI-ANTIBODIES

Histamine release from whole blood induced by anti-IgE: relationship to patient age, age at onset and serum IgE levels. Tanizaki Y, et al. **Acta Med Okayama** 1984 Jun; 38(3):275–80
Anti-IgG binding test to assay circulating IgG-containing immune complexes from polyethylene glycol precipitates. Levinson SS, et al. **Clin Chem** 1984 Sep;30(9):1502–6
Production, isolation, and characterization of rabbit anti-idiotypic antibodies directed against human antithyrotrophin receptor antibodies. Baker JR Jr, et al. **J Clin Invest** 1984 Aug;74(2):488–95
Direct depletion and purification of monoclonal antibody defined cells from unfractionated human mononuclear leukocytes using antibody coated polystyrene Petri dishes. Cooper KD, et al. **J Clin Lab Immunol** 1984 Feb; 13(2):97–100
Immunohistological screening in the selection of monoclonal antibodies: the use of isotype-specific antiglobulins. Aqel NM, et al. **J Immunol Methods** 1984 Apr 27;69(2):207–14
Determination of immunoglobulin class by pattern of absorption to protein A–sepharose coupled with immunoglobulin class specific antibodies. Russell SH, et al. **J Immunol Methods** 1984 Feb 10;66(2):323–6
Quantitative capacities of glutaraldehyde and sodium m-periodate coupled peroxidase-anti-human IgG conjugates in enzyme-linked immunoassays. Tsang VC, et al. **J Immunol Methods** 1984 May 11;70(1):91–100
Ultrastructural analysis of human plasmacytoma cells prepared on affinity beads after exposure to anti-idiotype antibodies. Renau-Piqueras J, et al. **Leuk Res** 1984; 8(3):491–500
Suppression of autoimmune diseases with anti-idiotypic antibodies: murine lupus nephritis as a model. Hahn BH. **Springer Semin Immunopathol** 1984;7(1):25–34 (51 ref.)
[Relation between polymerized anti-albumin antibodies and hepatitis B virus in chronic liver disease] Buligescu L, et al. **Rev Med Interna [Med Interna]** 1983 Sep-Oct; 35(5):449–52 **(Rum)**

ADMINISTRATION & DOSAGE

Selective suppression by auto-anti-idiotypic antibody of B-cell idiotype repertoires generated after stimulation with the same hapten on T-dependent and T-independent carriers. Szewczuk MR. **Cell Immunol** 1983 Dec; 82(2):282–91
Effects of anti-idiotypic immunizations on autoimmune uveitis induced with isologous lens proteins. Sunakawa M, et al. **Int Arch Allergy Appl Immunol** 1984;73(1):71–6
Enhancement of the immune response to hepatitis B surface antigen. In vivo administration of antiidiotype induces anti-HBs that expresses a similar idiotype. Kennedy RC, et al. **J Exp Med** 1984 Mar 1;159(3):655–65
Anti-mu induces lymphoma in germfree congenitally athymic (nude) but not in heterozygous (nu/+) mice. Gershwin ME, et al. **J Immunol** 1983 Oct;131(4):2069–73
Induction of 'latent a2' allotype in a1a1 homozygous rabbits as the major part of a bidirectional immune response to immunization with anti-a2 antibody. Kazdin DS, et al. **J Immunol** 1984 Apr;132(4):1909–16
Polyclonal activation of the murine immune system by an antibody to IgD. IV. In vivo activation of B lymphocytes from immune defective CBA/N mice. Muul LM, et al. **J Immunol** 1983 Nov;131(5):2226–31
Cutaneous leishmaniasis in anti-IgM-treated mice: enhanced resistance due to functional depletion of a B cell–dependent T cell involved in the suppressor pathway. Sacks DL, et al. **J Immunol** 1984 Apr;132(4):2072–7
The localization of B lymphocytes in mouse bone marrow: radioautographic studies after in vivo perfusion of radiolabelled anti-IgM antibody. Batten SJ, et al. **J Immunol Methods** 1984 Sep 4;72(2):381–99
Effects of anti-epsilon treatment on serum IgE in immunized and Nippostronglyus brasiliensis-infected mice. Lehrer SB, et al. **Monogr Allergy** 1983;18:246–8
[Rhesus prevention and course following amniocentesis in early pregnancy] Herrmann U, et al. **Gynakol Rundsch** 1983;23(3):153–9 **(Ger)**

ANALYSIS

Serum IgE levels in patients with bullous pemphigoid and its correlation to the activity of the disease and anti-basement membrane zone antibodies. Asbrink E, et al. **Acta Derm Venereol (Stockh)** 1984;64(3):243–6
Solid-phase radioimmunoassay for the measurement of IgG antibodies specific for the house dust mite, Dermatophagoides farinae. Sakamoto Y, et al. **Ann Allergy** 1984 Apr;52(4):303–8
Prospects and problems in the definition and standardization of immunofluorescence. II. A quantitative assay for antibody protein of FITC-labeled anti-IgG conjugates. Huang JG, et al. **Ann NY Acad Sci** 1983;420:55–61
Antibodies against conjunctival basement membrane zone. Occurrence in cicatricial pemphigoid. Franklin RM, et al. **Arch Ophthalmol** 1983 Oct;101(10):1611–3
Anti-Fab' antibodies in rheumatoid arthritis. Measurement of the relative quantities incorporated in soluble immune complexes in sera and supernatants from cultured peripheral blood lymphocytes. Birdsall HH, et al. **Arthritis Rheum** 1983 Dec;26(12):1481–92
A community survey of IgG4 antibody levels. Merrett J, et al. **Clin Allergy** 1983 Sep;13(5):397–407
Anti-globulins and circulating complexes in early rheumatoid arthritis. Hay FC, et al. **Clin Exp Immunol** 1983 Dec; 54(3):723–30
Enzyme-linked immunosorbent assays (ELISA) for total serum IgG4 and specific IgG4 antibodies. Sainte-Laudy J. **Clin Rev Allergy** 1983 Jun;1(2):225–9
Anti-insulin antibody titers do not influence control or insulin requirements in early pregnancy. Jovanovic LG, et al. **Diabetes Care** 1984 Jan-Feb;7(1):68–71
Visualization of anti-histone antibodies on SV40 minichromosomes by scanning transmission electron microscopy (STEM). Ghose D, et al. **Exp Cell Res** 1983 Aug;147(1):135–42
Detection of varicella-zoster virus-specific IgA antibodies in varicella and zoster patients and in healthy adults of various ages by solid-phase radioimmunoassay. Levy E, et al. **Intervirology** 1983;20(2–3):123–8
Parameters influencing the expression of IgA antibodies in tears. Montgomery PC, et al. **Invest Ophthalmol Vis Sci** 1984 Mar;25(3):369–73
Measurement of specific IgE and IgG antibodies against Aspergillus fumigatus antigen in patient sera by use of enzyme immunoassays: influence of different procedures of antigen immobilization. van der Heide S, et al. **J Allergy Clin Immunol** 1984 Jun;73(6):813–8
Enhanced survival in Pseudomonas aeruginosa septicemia associated with high levels of circulating antibody to Escherichia coli endotoxin core. Pollack M, et al. **J Clin Invest** 1983 Dec;72(6):1874–81
Characterization of human serum strain-specific antihemagglutinin antibody to A/Port Chalmers/73 (H3N2) influenza virus by radioimmunoprecipitation assays. Six HR, et al. **J Clin Microbiol** 1982 Jan;15(1):87–92
Hemadsorption immunosorbent technique for determination of mumps immunoglobulin M antibody. van der Logt JT, et al. **J Clin Microbiol** 1982 Jan;15(1):82–6
Detection of immunoglobulin G antibody to purified protein derivative in patients with tuberculosis by radioimmunoassay and enzyme-linked immunosorbent assay. Zeiss CR, et al. **J Clin Microbiol** 1982 Jan;15(1):93–6
Radioimmunoassay of IgE and IgE antibody and its clinical application. Johansson SG. **J Clin Pathol [Suppl] (Ass Clin Path)** 1975;6:33–7 (30 ref.)
'Nonspecific' immunoenhancing T cells in tumor-bearing mice include anti-idiotypic subsets. Behforouz N, et al. **J Immunol** 1983 Nov;131(5):2576–9
Lack of pokeweed mitogen-induced IgE formation in vitro by human peripheral blood mononuclear cells: detection of cross-reacting idiotypic determinants on polyclonal Ig by antibodies to a single IgE myeloma protein. Spiegelberg HL, et al. **J Immunol** 1983 Dec;131(6):3001–5
IgG antibodies to secretory component in normal human serum. Splawski JB, et al. **J Immunol** 1984 Oct; 133(4):2111–5
Analysis of the reactivity of four anti-mouse IgM allotype antibodies with mu+ B lineage cells at various stages of differentiation. Velardi A, et al. **J Immunol** 1984 Oct; 133(4):2098–103
Double immunofluorescence staining of pokeweed mitogen differentiated plasma cells--a sensitive assay to ascertain purity of anti-human Ig reagents as each cell produces only one isotype. Lobo PI. **J Immunol Methods** 1983 Dec 30; 65(3):383–7
Antigen-independent binding of rat immunoglobulins in a radioimmunoassay. Solutions to an unusual background problem. Nilsson R, et al. **J Immunol Methods** 1984 Jan 20;66(1):17–25
Spectrotypic analysis of passively acquired and newly synthesised IgG antibodies in the neonatal and young mouse. Appleby P, et al. **J Reprod Immunol** 1984 May; 6(3):177–86
Autologous anti-antiidiotypic clones in human beings [letter] Zouali M, et al. **N Engl J Med** 1984 Aug 30;311(9):603
Neuropathy and anti-MAG antibodies without detectable serum M-protein. Nobile-Orazio E, et al. **Neurology (NY)** 1984 Feb;34(2):218–21
Anti-human thyroglobulin autoantibodies assayed by an enzyme-linked immunosorbent assay. Bagnasco M, et al. **Ric Clin Lab** 1983 Apr-Jun;13(2):247–54
IgM and IgG platelet antibodies in a case of infectious mononucleosis and severe thrombocytopenia. Kappers-Klunne MC, et al. **Scand J Haematol** 1984 Feb; 32(2):145–8
Different fate of antibodies to surface IgM and IgD in germinal centre cell-associated lymphomas. Ruud E, et al. **Scand J Immunol** 1984 May;19(5):447–55
Virus-binding receptors: similarities to immune receptors as determined by anti-idiotypic antibodies. Nepom JT, et al. **Surv Immunol Res** 1982;1(3):255–61 (18 ref.)
Application of radioimmunological methods for checking the quality of class-specific antibodies against bovine and porcine immunoglobulins. Rodák L. **Vet Immunol Immunopathol** 1984 Mar;5(4):377–87
[Sero-epidemiologic studies of acute hepatitis A in Umbria: behavior of IgM anti-HAV antibodies] Merletti L, et al. **Boll Ist Sieroter Milan** 1983 Jul;62(3):238–41 (Eng. Abstr.) **(Ita)**
[Anti-IgE antibody in the sera from asthmatic patients. (II) Establishment of enzyme immunoassay] Nawata Y, et al. **Arerugi** 1984 Jan;33(1):35–42 (Eng. Abstr.) **(Jpn)**
[Anti-human IgG factors in the sera of chickens and other animals] Chin A. **Nippon Hoigaku Zasshi** 1983 Aug; 37(4):369–83 (Eng. Abstr.) **(Jpn)**
[Cross-reactive auto-anti-idiotypic antibody against anti-DNA antibody in systemic lupus erythematosus] Taniguchi O. **Nippon Naika Gakkai Zasshi** 1983 Oct; 72(10):1353–9 **(Jpn)**

BIOSYNTHESIS

Subclass restriction of the antiidiotypic antibody response in the rat. Rousseaux-Prévost R, et al. **Ann Immunol (Paris)** 1983 Sep-Oct;134D(2):167–79
Analysis of nondominant idiotypes expressed during alloimmune responses. Klinman DM. **Cell Immunol** 1984 Aug;87(1):126–36
Strain differences in the development of auto-anti-idiotypic antibody regulation with age: genetic linkage to the Igh-C locus. Szewczuk MR. **Cell Immunol** 1984 Apr 1;

84(2):393–402
Factors affecting severity of injury during nephrotoxic nephritis in rabbits. Van Zyl Smit R, et al. **Clin Exp Immunol** 1983 Nov;54(2):366–72
Lack of a requirement for idiotype matching: T cells from mice which cannot produce idiotype support idiotype-positive antibody response. Etlinger HM, et al. **Eur J Immunol** 1983 Oct;13(10):851–5
Rheumatoid factors and secondary immune responses in the mouse. I. Frequent occurrence of hybridomas secreting IgM anti-IgG1 autoantibodies after immunization with protein antigens. Van Snick J, et al. **Eur J Immunol** 1983 Nov;13(11):890–4
Antibodies against Fc receptors to aggregated IgG of mouse spleen cells: selective blocking of the receptors of splenocytes and peritoneal macrophages, and abolition of the phagocytosis enhancement produced by the opsonizing IgG antibodies. Kulberg AJ, et al. **Immunology** 1983 Nov; 50(3):335–41
Antiidiotypic immunity in interstitial nephritis. II. Rats developing anti-tubular basement membrane disease fail to make an antiidiotypic regulatory response: the modulatory role of an RT7.1+, OX8- suppressor T cell mechanism. Neilson EG, et al. **J Exp Med** 1984 Apr 1;159(4):1009–26
Anti-idiotypic antibodies in a patient with monoclonal rheumatoid factor after pneumococcal bacteremia. Abe T, et al. **J Immunol** 1984 May;132(5):2381–5
Regulation of antibody release by naturally occurring anti-immunoglobulins in cultures of pokeweed mitogen-stimulated human peripheral blood lymphocytes. Birdsall HH, et al. **J Immunol** 1984 Sep;133(3):1257–64
Preferential induction of specific lambda-isotypic antibodies in mice. Ju ST, et al. **J Immunol** 1984 Sep;133(3):1404–9
Anti-immunoglobulin antibodies. V. Age-dependent variation of clones stimulated by polysaccharide TI-2 antigens in 129 and MRL mice spontaneously producing anti-gamma-globulin antibodies. Manheimer AJ, et al. **J Immunol** 1984 Aug;133(2):562–8
Strategies for production of monoclonal anti-idiotype antibodies against human B cell lymphomas. Thielemans K, et al. **J Immunol** 1984 Jul;133(1):495–501
Unregulated production of virus and/or sperm specific anti-idiotypic antibodies as a cause of AIDS. Hsia S, et al. **Lancet** 1984 Jun 2;1(8388):1212–4
Anti-idiotypic regulation of IgA expression in myeloma cells. Milburn GL, et al. **Mol Immunol** 1983 Sep;20(9):931–40
Attack stress and IgE antibody production in rats. Ito Y, et al. **Pharmacol Biochem Behav** 1983 Nov;19(5):883–6
[Dynamics of the formation of anti-idiotypic antibodies in the course of the immune response] Kositskaia LS, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Apr;(4):83–6 (Eng. Abstr.) **(Rus)**

DIAGNOSTIC USE

[How anti-antibodies can render the tumor picture more precise] Newell J. **Minerva Med** 1983 Oct 6;74(38):2262–3 **(Ita)**

GENETICS

Anti-immunoglobulin-induced proliferation of B cells. Parallelism in the inhibition by chloroquine, monensin and immunoglobulin. Ramanadham M, et al. **Exp Cell Res** 1983 Oct 15;148(2):303–9
A major anti-myoglobin idiotype. Influence of H-2-linked Ir genes on idiotype expression. Kawamura H, et al. **J Exp Med** 1984 Sep 1;160(3):659–78
Cross-reactive idiotypes on heterologous anti-allotype antibody. Roux KH, et al. **J Immunol** 1984 Mar; 132(3):1341–5
[Levels of anti-nDNA using immunofluorescence on Crithidia luciliae. II. Prognostic value of complement-fixing anti-nDNA. Longitudinal study of 16 lupus disorders] Meyer O, et al. **Rev Rhum Mal Osteoartic** 1984 May;51(5):243–9 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Idiotype network interactions in tumor immunity. Schreiber H. **Adv Cancer Res** 1984;41:291–321 (185 ref.)
Inhibition of the late phase reaction to anti-IgE by previous mast cell activation with compound 48/80. Grönneberg R. **Allergy** 1984 Feb;39(2):119–23
Symmetry and asymmetry in idiotypic interactions. Rajewsky K. **Ann Immunol (Paris)** 1983 Jul-Aug;134D(1):133–41 (41 ref.)
Anti-immunoglobulins and their idiotypes: are they part of the immune network? Kunkel HG, et al. **Ann NY Acad Sci** 1983;418:324–9
Future development of immunologic reference preparations. Norberg R. **Ann NY Acad Sci** 1983;420:65–7
Use of anti-idiotypic antibodies to demonstrate rheumatoid factor producing bone marrow cells in essential mixed cryoglobulinaemia. Gharavi AE, et al. **Ann Rheum Dis** 1984 Aug;43(4):651–2
Cellular handling of a monoclonal anti-idiotypic antibody in IgA-producing MOPC 315 mouse myeloma cells. Marks A, et al. **Anticancer Res** 1984 May-Jun;4(3):183–8
Nonresponsiveness of immature B lymphocytes to anti-immunoglobulin is reversed by pronase. Gollapudi SV, et al. **Biochem Biophys Res Commun** 1984 Feb 29;119(1):1–5
Anti-IgA-mediated transfusion reactions in Canada. Laschinger C, et al. **Can Med Assoc J** 1984 Jan 15; 130(2):141–4
Activation of mouse lymphocytes by anti-immunoglobulin. IV. Stimulation with soluble heterologous anti-delta antibodies. Sieckmann DG, et al. **Cell Immunol** 1984 Apr 15;85(1):1–14
Anti-IgM antibodies may regulate the humoral response to paternal HLA antigens in pregnant women. Jakobisiak M, et al. **Clin Invest Med** 1984;7(2):123–5
A graft-versus-host-like reaction as the cause of anti-ds-DNA antibody in chronic active hepatitis [letter] Cheung CY. **Clin Rheumatol** 1983 Sep;2(3):303
Characterization and comparative immunoreactivity of antibody to newt (T. cristatus) globins. Kowalski LA, et al. **Comp Biochem Physiol [A]** 1984;78(2):393–9
Antibodies specific for different T15 idiotopes induce neonatal suppression of the T15 idiotype. Berek C. **Eur J Immunol** 1983 Sep;13(9):766–72
Anti-immunoglobulin antibodies IV. Cross-reaction of anti-idiotypic antibodies specific for rabbit and murine anti-a1 allotype antibodies with Fc fragment of human immunoglobulins. Bona CA, et al. **Eur J Immunol** 1984 Jun;14(6):548–52
Polyclonal activation of the murine immune system by an antibody to IgD V. Effect on germinal centers. Flotte TJ, et al. **Eur J Immunol** 1984 Aug;14(8):725–8
Reactions among IgM antibodies derived from normal, neonatal mice. Holmberg D, et al. **Eur J Immunol** 1984 May;14(5):435–41
Induction of resting B cells to DNA synthesis by soluble monoclonal anti-immunoglobulin. Julius MH, et al. **Eur J Immunol** 1984 Aug;14(8):753–7
Cross-protection in mice infected with influenza A virus by the respiratory route is correlated with local IgA antibody rather than serum antibody or cytotoxic T cell reactivity. Liew FY, et al. **Eur J Immunol** 1984 Apr;14(4):350–6
The immune response against anti-idiotope antibodies II. The induction of antibodies bearing the target idiotope (Ab3 beta) depends on the frequency of the corresponding B cells. Tesch H, et al. **Eur J Immunol** 1983 Sep;13(9):726–32
Polyclonal B cell responses in the presence of defined filler cells: complementary effects of lipopolysaccharide and anti-immunoglobulin antibodies. Zubler RH. **Eur J Immunol** 1984 Apr;14(4):357–63
Third example of anti-Tar and segregation of the Tar (Targett, Rh 40) antigen in a Danish family. Lylloff K, et al. **Hum Hered** 1984;34(3):194–6
Monoclonal antibodies specific for the b5 allotype of rabbit kappa light chains. McCormack WT, et al. **Hybridoma** 1983;2(1):97–107
Monoclonal antibodies to murine immunoglobulin isotypes. Weiss S, et al. **Hybridoma** 1983;2(1):49–54
Influence of subclass-specific anti-idiotypic antibodies on the kinetics of the immune response to BCG. Daus H, et al. **Immunology** 1984 Aug;52(4):697–702
Anti-immunoglobulin inhibits DNA synthesis in Epstein-Barr virus-transformed lymphoblastoid cell lines. Gordon J, et al. **Immunology** 1984 May;52(1):79–85
Expression of immunoglobulin-cross-reactive molecules by neoplastic human T cells. I. Surface detection and isolation of molecules reactive with chicken anti-F(ab')2, anti-alpha and anti-mu antibodies. Haegert DG, et al. **Immunology** 1983 Nov;50(3):447–59
Transmethylation reactions in human basophils induced by anti-IgE or specific antigen. Garcia R, et al. **Int Arch Allergy Appl Immunol** 1984;73(3):237–41
Cross-reactivity of IgE antibodies with allergens in birch pollen, fruits and vegetables. Haimepuro L, et al. **Int Arch Allergy Appl Immunol** 1984;74(3):235–40
IgG antibodies to purified Aspergillus fumigatus antigens determined by enzyme-linked immunosorbent assay. Schønheyder H, et al. **Int Arch Allergy Appl Immunol** 1984; 74(3):262–9
Allergen- and anti-IgE-induced histamine release from whole blood. Tanizaki Y, et al. **Int Arch Allergy Appl Immunol** 1984;73(2):141–5
Antigens and allergens from the common house dust mite Dermatophagoides pteronyssinus. Part II. Identification of the major IgE-binding antigens by crossed radioimmunoelectrophoresis. Krilis S, et al. **J Allergy Clin Immunol** 1984 Aug;74(2):142–6
Aliergic bronchopulmonary aspergillosis: reactivity of IgE and IgG antibodies with antigenic components of Aspergillus fumigatus (IgE/IgG antigen complexes). Longbottom JL. **J Allergy Clin Immunol** 1983 Dec; 72(6):668–75
An exact procedure for the analysis of heterogeneous kinetics in polyclonal antibody populations. Herron JN, et al. **J Biochem Biophys Methods** 1983 Nov;8(3):189–204
Use of antipeptide antibodies to demonstrate external orientation of the NH2-terminus of the low density lipoprotein receptor in the plasma membrane of fibroblasts. Schneider WJ, et al. **J Cell Biol** 1983 Nov;97(5 Pt 1):1635–40
Sendai virus-specific T cell clones. V. Induction of a virus-specific response by antiidiotypic antibodies directed against a T helper cell clone. Ertl HC, et al. **J Exp Med** 1984 Jun 1;159(6):1778–83
Idiotypic determinants on human T cells and modulation of human T cell responses by anti-idiotypic antibodies. Geha RS. **J Immunol** 1984 Oct;133(4):1846–51
Cell receptors for the mammalian reovirus. I. Syngeneic monoclonal anti-idiotypic antibody identifies a cell surface receptor for reovirus. Noseworthy JH, et al. **J Immunol** 1983 Nov;131(5):2533–8
Fixation of complement by anti-F(ab')2 antibodies or ssDNA when added to systemic lupus erythematosus sera. Shrier DA, et al. **J Rheumatol** 1984 Apr;11(2):182–7
Auto-anti-anti-DNA antibodies from SLE patients and normals. Taniguchi O, et al. **J Rheumatol** 1984 Jun; 11(3):291–7
Anti-idiotypic antibodies induce neutralizing antibodies to rabies virus glycoprotein. Reagan KJ, et al. **J Virol** 1983 Dec;48(3):660–6
Production and characterization of anti-idiotype reagents for the analysis of viral antigen systems. Kennedy RC, et al. **J Virol Methods** 1983 Aug;7(2):103–15
Autoantibodies are anti-idiotype antibodies to antiviral antibodies. Plotz PH. **Lancet** 1983 Oct 8;2(8354):824–6
Mechanism of effector cell blockade—IV. Induction by monoclonal anti-mu or anti-idiotypic antibody, role of secreted IgM and mechanism of decreased secretion. Boyd AW, et al. **Mol Immunol** 1984 Feb;21(2):119–26
A bi-directional immune network mechanism: simultaneous induction of idiotype and anti-anti-idiotype in rabbits immunized with antibody to a common idiotypic specificity of anti-VHa2-allotype antibodies. Kazdin DS, et al. **Mol Immunol** 1983 Aug;20(8):819–26
Fc-dependent effector functions of idiotype-anti-idiotype immune complexes. Rajnavölgyi E, et al. **Mol Immunol** 1984 Feb;21(2):127–36
Anti-hypervariable region antibody induced by a defined peptide: an approach for studying the structural correlates of idiotypes. Chen PP, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(6):1784–8
Induction of immunity to a human tumor marker by in vivo administration of anti-idiotypic antibodies in mice. Nepom GT, et al. **Proc Natl Acad Sci USA** 1984 May;81(9):2864–7
Chronic treatment with rabbit anti-mouse mu-chain antibody alters the characteristic immunoglobulin heavy-chain restriction of murine suppressor T-cell factors. Sy MS, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(12):3846–50
Idiotypic and anti-idiotypic determinants on lymphocytes during anti-Rh immunization. de Saint Martin J, et al. **Rev Fr Transfus Immunohematol** 1983 Dec;26(6):573–83
Anti-IgA in selective IgA deficiency. In vitro effects and Ig subclass pattern of human anti-IgA. Hammarström L, et al. **Scand J Immunol** 1983 Dec;18(6):509–13
Internal images of antigens within the immune network. Augustin AA, et al. **Surv Immunol Res** 1983;2(1):78–87 (27 ref.)
Enhancement of viral hepatitis B antibody (Anti-HBs) response to a synthetic cyclic peptide by priming with anti-idiotype antibodies. Kennedy RC, et al. **Virology** 1984 Jul 15;136(1):247–52
[Clinical studies on 'late onset' asthma. 1. Anti-IgE induced release of histamine from whole blood] Tanizaki Y, et al. **Arerugi** 1983 Nov;32(11):1093–8 (Eng. Abstr.) **(Jpn)**
[Clinico-immunological characteristics of partial red-cell aplasia associated with monoclonal gammopathies] Idel'son LI, et al. **Ter Arkh** 1983;55(8):75–9 **(Rus)**
[Separation of B, T, T-gamma and T-mu lymphocytes using rosettes of various types of erythrocytes and polyacrylamide. Comparative study] de Dios I, et al. **Rev Esp Fisiol** 1983 Dec;39(4):417–22 (Eng. Abstr.) **(Spa)**

ISOLATION & PURIFICATION

The idiotypic characteristics of human antibodies to factor VIII. de la Fuente B, et al. **Blood** 1984 Sep;64(3):672–8
Identification and characterization of an apparent germline set of auto-anti-idiotypic regulatory B lymphocytes. Pollok BA, et al. **J Immunol** 1984 Jan;132(1):114–21
[Anti-Gm and anti-Km antibodies in Japanese sera. Incidence, specificity, occurrence and physicochemical characteristics of antibodies to Gm and Km antigens] Ota T. **Fukuoka Igaku Zasshi** 1983 Nov;74(11):744–58 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Plasma of normal, but not atopic persons reducing basophil degranulation induced by anti-IgE. Miadonna A, et al. **Clin Allergy** 1984 Jan;14(1):29–35

PHYSIOLOGY

Anti-IgE-and ConA-induced histamine release from human basophilic leukocytes: the existence of differences in relative responses within individuals. Bergstrand H, et al. **Agents Actions** 1984 Jun;14(5–6):602–5
Contraction of guinea pig trachea with antibodies to guinea pig IgE. An in vitro model for asthma. II. Reactivity of guinea pig tracheas to anti IgG1 and anti IgG2 in comparison with anti IgE. Ito K, et al. **Ann Allergy** 1984 May;52(5):375–8
The use of radiolabeled and fluorescein-labeled antiglobulins in assays to predict platelet transfusion outcome. Ware R, et al. **Blood** 1984 May;63(5):1245–8
Activation and proliferation signals in mouse B cells. I. A comparison of the capacity of anti-Ig antibodies or phorbol myristic acetate to activate B cells from CBA/N or normal mice into G1. Hawrylowicz CM, et al. **Eur J Immunol** 1984 Mar;14(3):244–50
Human B cell activation and cell cycle progression:

stimulation with anti-mu and Staphylococcus aureus Cowan strain I. Kehrl JH, et al. **Eur J Immunol** 1984 Feb; 14(2):115–21

Polyclonal activation of the murine immune system by an antibody to IgD. III. Ontogeny. Muul LM, et al. **Eur J Immunol** 1983 Nov;13(11):900–5

Amiloride inhibits anti-Ig induction of proliferation in a human B-lymphoma cell population. Heikkilä R, et al. **Exp Cell Res** 1983 Nov;149(1):299–302

Effect of 15-hydroxyeicosatetraenoic acid (15-HETE) on anti-immunoglobulin E- and calcium ionophore-induced histamine release from human leukocytes. Comparison with the effects of eicosatetraynoic acid and nordihydroguaiaretic acid. Dorsch W, et al. **Int Arch Allergy Appl Immunol** 1984;73(3):274–9

Induction of idiotope suppression in the anti-azophenylarsonate response of T-depleted A/J mice. Rothstein TL, et al. **J Exp Med** 1984 Apr 1;159(4):1283–8

B cell activation. V. Differentiation signaling of B cell membrane depolarization, increased I-A expression, G0 to G1 transition, and thymidine uptake by anti-IgM and anti-IgD antibodies. Cambier JC, et al. **J Immunol** 1984 Aug;133(2):576–81

Ontogeny of B lymphocyte function. XV. A role for thymus cells in the maturation of the capacity of a subpopulation of B cells to re-express surface immunoglobulin after treatment with anti-immunoglobulin. Chen YW, et al. **J Immunol** 1984 Sep;133(3):1209–14

Polyclonal activation of the murine immune system by an antibody to IgD. VII. Demonstration of the role of nonantigen-specific T help in in vivo B cell activation. Finkelman FD, et al. **J Immunol** 1984 Aug;133(2):550–5

Selective elimination of a B cell subset having acceptor site(s) for T cell-replacing factor (TRF) with biotinylated antibody to the acceptor site(s) and avidin-ricin A-chain conjugate. Hashimoto N, et al. **J Immunol** 1984 Jan; 132(1):129–35

Immunoselection of B cell hybridomas with anti-idiotypic antisera to study the role of heavy and light chains for idiotype expression and antibody activity. Ju ST, et al. **J Immunol** 1984 May;132(5):2485–90

Cell receptors for the mammalian reovirus. II. Monoclonal anti-idiotypic antibody blocks viral binding to cells. Kauffman RS, et al. **J Immunol** 1983 Nov;131(5):2539–41

Lyb-5- B cells of CBA/N mice can be induced to synthesize DNA by culture with insolubilized but not soluble anti-Ig. Mond JJ, et al. **J Immunol** 1983 Nov;131(5):2107–9

Sequential requirements for cell cycle progression of resting human B cells after activation by anti-Ig. Muraguchi A, et al. **J Immunol** 1984 Jan;132(1):176–80

Cross-linking of B lymphocyte Fc gamma receptors and membrane immunoglobulin inhibits anti-immunoglobulin-induced blastogenesis. Phillips NE, et al. **J Immunol** 1984 Feb;132(2):627–32

Anti-idiotypic regulation of an insulin-reactive T cell clone. Shapiro DN, et al. **J Immunol** 1984 Oct;133(4):1740–7

Anti-idiotype stimulation of antigen-specific antigen-independent antibody responses in vitro. II. Triggering of B lymphocytes by idiotype plus anti-idiotype in the absence of T lymphocytes. Shenk RR, et al. **J Immunol** 1984 Jun;132(6):2709–14

Anti-idiotype antibodies to the 9.1C3 blocking antibody used to probe the lethal hit stage of NK cell-mediated cytolysis. Werkmeister JA, et al. **J Immunol** 1984 Sep;133(3):1385–90

Induction of autoantibodies to thyroglobulin by anti-idiotypic antibodies. Zanetti M, et al. **J Immunol** 1984 Jul;133(1):240–3

A human monoclonal IgG1 with anti-idiotypic activity against anti-human thyroglobulin autoantibody. Zouali M, et al. **J Immunol** 1984 Jul;133(1):190–4

Interaction of rheumatoid factor with immune complexes in experimental glomerulonephritis—possible role of antiglobulins in chronicity. Ford PM. **J Rheumatol** 1983 Dec;10 Suppl 11:81–4

Mechanisms of idiotype suppression: role of anti-idiotype antibody. Kim BS. **Surv Immunol Res** 1982;1(2):126–32 (22 ref.)

[Correlation between serum IgE level and human basophil degranulation by anti-IgE antibodies] Chabane MH, et al. **Ann Immunol (Paris)** 1983 May-Jun;134C(3):355–64 (Eng. Abstr.) **(Fre)**

[Influence of anti-DNP antibody on the inactivation of factor B by DNP-carrier] Saito K, et al. **Ryumachi** 1984 Feb; 24(1):25–31 (Eng. Abstr.) **(Jpn)**

ANTIANXIETY AGENTS see **TRANQUILIZING AGENTS, MINOR**

ANTI-ARRHYTHMIA AGENTS

Antiarrhythmic effects of tocainide and lidocaine in dogs. Aberg G, et al. **Acta Pharmacol Toxicol (Copenh)** 1983 Aug; 53(2):146–52

Symposium on flecainide acetate. **Am J Cardiol** 1984 Feb 27;53(5):1B–122B

Symposium on the management of ventricular dysrhythmias. Antifibrillatory versus antiectopic therapy. Anderson JL. **Am J Cardiol** 1984 Jul 30;54(2):7A–13A (39 ref.)

Antiarrhythmic and electrophysiologic actions of bethanidine sulfate in primary ventricular fibrillation or life-threatening ventricular tachycardia. Benditt DG, et al. **Am J Cardiol** 1984 May 1;53(9):1268–74

Antiarrhythmic and electrophysiologic actions of flecainide in animal models. Kvam DC, et al. **Am J Cardiol** 1984 Feb 27;53(5):22B–25B

Enterobacter cloacae-contaminated cardioplegic solution. Discovery and eradication of a pharmacy reservoir. Talbot GH, et al. **Am J Infect Control** 1984 Aug;12(4):239–44

Efficacy of intravenous sotalol on ventricular arrhythmias occurring during maximal exercise stress testing. Stroobandt R, et al. **Arch Int Pharmacodyn Ther** 1983 Aug; 264(2):290–7

Antiarrhythmic, hemodynamic and cardiac electrophysiological evaluation of N-(2,6-dimethylphenyl)-N'-[3-(1-methylethylamino)prop (Wy-42,362). Bergey JL, et al. **Arzneimittelforsch** 1983; 33(9):1258–68

Effects of flecainide on atrial and ventricular stimulation thresholds to repetitive extrasystoles and fibrillation and on '2nd Phase' ventricular arrhythmias in dogs. Heuer H, et al. **Arzneimittelforsch** 1983;33(12):1651–4

The effect of beta-adrenoceptor blocking agents, with differing ancillary properties, on the arrhythmias resulting from acute coronary artery ligation in anaesthetized rats. Campbell CA, et al. **Br J Pharmacol** 1983 Aug;79(4):939–46

Anti-arrhythmic effects of (-)-carnitine chloride and its acetyl analogue on canine late ventricular arrhythmia induced by ligation of the coronary artery as related to improvement of mitochondrial function. Imai S, et al. **Br J Pharmacol** 1984 Jun;82(2):533–42

Cetamolol: a new cardioselective beta-adrenoceptor blocking agent without membrane-stabilizing activity. Beaulieu G, et al. **Can J Physiol Pharmacol** 1984 Mar;62(3):302–8

Investigational antiarrhythmic agents: pirmenol. Reiter MJ, et al. **Clin Cardiol** 1984 Jun;7(6):330–4

Electrophysiological effects of ethmozin on sinus nodal function in patients with and without sinus node dysfunction. Rakovec P, et al. **Eur Heart J** 1984 Mar; 5(3):243–6

Subgroups of class 1 antiarrhythmic drugs. Vaughan Williams EM. **Eur Heart J** 1984 Feb;5(2):96–8 (14 ref.)

Antiarrhythmic actions of adenosine in the early stages of experimental myocardial ischaemia. Fagbemi O, et al. **Eur J Pharmacol** 1984 Apr 20;100(2):243–4

Prevention by a carbacyclin analogue (ZK 36 374) of digoxin-induced ventricular extrasystoles in guinea-pig myocardium. Metin M, et al. **Eur J Pharmacol** 1984 Feb 10;98(1):125–8

Comparison of three beta-amino anilides: IQB-M-81, lidocaine and tocainide, on isolated rat atria. Tejerina T, et al. **Eur J Pharmacol** 1983 Nov 11;95(1-2):93–9

Study on the antiarrhythmic effects of some centrally acting drugs—benzodiazepines. Kuruvilla A, et al. **Indian J Exp Biol** 1983 Jan;21(1):23–6

Spinal site of antiarrhythmic action of morphine and pethidine in normal and spinal cord transected dogs. Pant KK, et al. **J Auton Pharmacol** 1984 Mar;4(1):11–5

Antiarrhythmic and cardiovascular effects of MP 115. Allen JD, et al. **J Cardiovasc Pharmacol** 1983 Nov-Dec; 5(6):937–44

Comparative effects of fast- and slow-ion channel blocking agents on reperfusion-induced arrhythmias in the isolated perfused rat heart. Winslow E, et al. **J Cardiovasc Pharmacol** 1983 Nov-Dec;5(6):928–36

The effect of disopyramide phosphate on ventricular fibrillation threshold of normal and ischemic ventricles. Tajima T, et al. **Jpn Heart J** 1983 Nov;24(6):985–93

Lack of direct antiarrhythmic electrophysiological effects of salicylate on isolated guinea-pig myocardium. Brasch H. **Naunyn Schmiedebergs Arch Pharmacol** 1983 Aug; 323(4):343–9

Antiarrhythmic and cardiovascular actions of the new antibiotic agent pirlimycin adenylate. Kopia GA, et al. **Pharmacology** 1983;27(5):255–66

Antifibrillatory properties of the beta-adrenergic receptor antagonists, nadolol, sotalol, atenolol and propranolol, in the anesthetized dog. Patterson E, et al. **Pharmacology** 1984; 28(3):121–9

Further evidence of the antiarrhythmic efficacy of taurine in the rat heart. Hernández J, et al. **Res Commun Chem Pathol Pharmacol** 1984 Feb;43(2):343–6

Arrhythmogenic and antiarrhythmic effects of lipolytic factors on cultured heart cells. Wenzel DG, et al. **Res Commun Chem Pathol Pharmacol** 1983 Sep; 41(3):383–96

[Classification and application of anti-arrhythmia agents] Seipel L, et al. **Schweiz Rundsch Med Prax** 1984 Jan 17; 73(3):75–9 (Eng. Abstr.) **(Ger)**

[Role of lipid peroxidation in the pathogenesis of arrhythmias and the anti-arrhythmogenic action of antioxidants] Meerson FZ, et al. **Kardiologiia** 1984 May;24(5):61–8 (Eng. Abstr.) **(Rus)**

[Antiarrhythmic effect of cardiac glycosides in the preclinical stages of heart failure in children with ectopic rhythm disorders] Ternova TI, et al. **Pediatriia** 1984 Apr;(4):13–6 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Ethmozin. II. Effects of intravenous drug administration on atrioventricular nodal reentrant tachycardia. Chazov EI, et al. **Am Heart J** 1984 Sep;108(3 Pt 1):483–9

Ethmozin. I. Effects of intravenous drug administration on paroxysmal supraventricular tachycardia in the ventricular preexcitation syndrome. Chazov EI, et al. **Am Heart J** 1984 Sep;108(3 Pt 1):475–82

Pirmenol for control of ventricular arrhythmias: oral dose-ranging and short-term maintenance study. Anderson JL, et al. **Am J Cardiol** 1984 Feb 1;53(4):522–7

Electrophysiologic and clinical effects of intravenous and oral encainide in accessory atrioventricular pathway. Kunze KP, et al. **Am J Cardiol** 1984 Aug 1;54(3):323–9

Clinical and electrophysiologic assessment of oral flecainide acetate for recurrent ventricular tachycardia: evidence for exacerbation of electrical instability. Oetgen WJ, et al. **Am J Cardiol** 1983 Oct 1;52(7):746–50

Role of electrophysiologic techniques in the selection of antiarrhythmic drug regimens for ventricular arrhythmias. Ruskin JN, et al. **Am J Cardiol** 1983 Sep 22;52(6):41C–46C (65 ref.)

Flecainide dose-response relations in stable ventricular arrhythmias. Woosley RL, et al. **Am J Cardiol** 1984 Feb 27;53(5):59B–65B

The appropriate dosage regime for the transition from intravenous lignocaine to oral tocainide after acute myocardial infarction. Upward JW, et al. **Eur J Clin Pharmacol** 1983;25(5):589–94

A nursing perspective of the invasive electrophysiologic approach to treatment of ventricular arrhythmias. Tyndall A. **Heart Lung** 1983 Nov;12(6):620–9

Pharmacokinetic study of digoxin-benzamide interaction in the rat. Metivier B, et al. **Int J Nucl Med Biol** 1984; 11(1):103–5

Electrophysiologic and hemodynamic effects of intravenous propafenone in patients with recurrent ventricular tachycardia. Shen EN, et al. **J Am Coll Cardiol** 1984 May; 3(5):1291–7

Flecainide acetate [editorial] **Lancet** 1984 Jan 14;1(8368):85–6

Induction of cardioplegia with blood and crystalloid potassium solutions during prolonged aortic cross-clamping. Nwaneri NJ, et al. **Surgery** 1983 Nov; 94(5):836–41

[Effect of intravenous flecainide in the treatment of acute ventricular arrhythmia] Aliot E, et al. **Ann Cardiol Angeiol (Paris)** 1983 Oct;32(6):417–23 **(Fre)**

[Comparative clinical study of the effectiveness of the new anti-arrhythmia agents, trimecaine and pyrromecaine] Pavlova TS, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1983;6(2):67–72 (Eng. Abstr.) **(Rus)**

[Results of prolonged ethmozine treatment in patients with ventricular arrhythmias] Kurbanov RD, et al. **Kardiologiia** 1983 Nov;23(11):51–5 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Proarrhythmic effects of the new antiarrhythmic agent flecainide acetate. Nathan AW, et al. **Am Heart J** 1984 Feb;107(2):222–8

Extracardiac adverse effects of flecainide. Gentzkow GD, et al. **Am J Cardiol** 1984 Feb 27;53(5):101B–105B

Flecainide: its proarrhythmic effect and expected changes on the surface electrocardiogram. Morganroth J, et al. **Am J Cardiol** 1984 Feb 27;53(5):89B–94B

Aromatic amines and the pathogenesis of lupus erythematosus. Reidenberg MM. **Am J Med** 1983 Dec; 75(6):1037–42

Drug interactions in antiarrhythmic therapy. Bigger JT Jr, et al. **Ann NY Acad Sci** 1984;427:140–62 (114 ref.)

Proarrhythmic effects of antiarrhythmic drugs. Goldstein RE, et al. **Ann NY Acad Sci** 1984;427:94–100

Paranoid psychosis induced by tocainide. Currie P, et al. **Br Med J [Clin Res]** 1984 Feb 25;288(6417):606–7

Sinusoidal ventricular tachycardia associated with flecainide acetate. Sellers TD, et al. **Chest** 1984 May;85(5):647–9

Antiarrhythmic drugs and cardiac arrest [letter] Cobb LA, et al. **N Engl J Med** 1984 Apr 26;310(17):1122

Antiarrhythmic drugs: a possible cause of out-of-hospital cardiac arrest. Ruskin JN, et al. **N Engl J Med** 1983 Nov 24;309(21):1302–6

Failure to pace following high dose antiarrhythmic therapy—reversal with isoproterenol. Levick CE, et al. **PACE** 1984 Mar;7(2):252–6

Fatal ventricular tachycardia in association with propafenone, a new class IC antiarrhythmic agent. Nathan AW, et al. **Postgrad Med J** 1984 Feb;60(700):155–6

Arrhythmogenicity of anti-arrhythmic therapy [editorial] Millar RN, et al. **S Afr Med J** 1983 Sep 17;64(12):422–3

[Interstitial and alveolar lung changes following treatment with amiodarone] Schrijver G, et al. **Ned Tijdschr Geneeskd** 1983 Oct 15;127(42):1926–8 (Eng. Abstr.) **(Dut)**

[Paradoxical reaction after flecainide (letter)] Wehr M, et al. **Dtsch Med Wochenschr** 1984 Jan 20;109(3):117–8 **(Ger)**

[Effect of anti-arrhythmia agents and nitroglycerin on enzyme activities of the liver] Engels I, et al. **Fortschr Med** 1984 Jan 19;102(3):53–6 (Eng. Abstr.) **(Ger)**

[Effect of membrane-effective drugs (anti-arrhythmia agents) on acoustically evoked brain-stem potentials] Lenarz T, et al. **Laryngol Rhinol Otol (Stuttg)** 1984 Feb;63(2):92–7 (Eng. Abstr.) **(Ger)**

[Side effects of anti-arrhythmia drugs] Neugebauer A. **Z Gesamte Inn Med** 1984 Jun 1;39(11):249–52 (Eng. Abstr.) **(Ger)**

[Arrhythmogenesis of anti-arrhythmia drugs (editorial)] Bayés de Luna A. **Rev Esp Cardiol** 1984 Jul-Aug;

37(4):233-5 (Spa)

ANALYSIS

Improved liquid chromatographic assay for the analysis of pirmenol in plasma and urine. Johnson EL, et al. **J Pharm Sci** 1984 Jun;73(6):754-6

The effect of pH on electronic spectra of butobendin (Craviten) and its spectrophotometric and spectrofluorometric assay in tablets. Zommer-Urbańska S, et al. **Pol J Pharmacol Pharm** 1984 Jan-Feb;36(1):13-8

BLOOD

Plasma level monitoring of antiarrhythmic drugs. Kates RE. **Am J Cardiol** 1983 Sep 22;52(6):8C-13C

Isovolumetric indices and humoral cardioactive substance bioassay during clinical and experimentally induced gastric dilatation-volvulus in dogs. Orton EC, et al. **Am J Vet Res** 1983 Aug;44(8):1516-20

Dynamic variability of binding of antiarrhythmic drugs during the evolution of acute myocardial infarction. Kessler KM, et al. **Circulation** 1984 Sep;70(3):472-8

Monitoring of S- and R-tocainide in human plasma after heptafluorobutyrylation, separation on Chirasil-Val and electron-capture detection. Antonsson AM, et al. **J Chromatogr** 1984 Jun 8;308:181-7

Assay of the antiarrhythmic compound stirocainide in plasma by fused-silica gas-liquid chromatography and nitrogen-selective detection. Backhaus J, et al. **J Chromatogr** 1984 Apr 13;307(1):190-3

High-performance liquid chromatographic method for the measurement of mexiletine and flecainide in blood plasma or serum. Bhamra RK, et al. **J Chromatogr** 1984 May 11; 307(2):439-44

Pharmacokinetics and hemodynamic effects of tiapamil: exercise performance, thallium stress scintigraphy, and radionuclide ventriculography. Eckert M, et al. **J Clin Pharmacol** 1984 Apr;24(4):165-73

[Determination of the concentration of a new antiarrhythmic, flecainide, in plasma using high pressure liquid chromatography (HPLC): sample preparation with extraction columns] Becker JU. **J Clin Chem Clin Biochem** 1984 May;22(5):389-93 (Eng. Abstr.) (Ger)

[Pharmacokinetics of the new Soviet anti-arrhythmia preparation etacizin] Gneushev ET, et al. **Farmakol Toksikol** 1984 Mar-Apr;47(2):52-4 (Eng. Abstr.) (Rus)

CHEMICAL SYNTHESIS

Synthesis, conformational analysis, and antiarrhythmic properties of 7-benzyl-3-thia-7-azabicyclo[3.3.1]nonan-9-one, 7-benzyl-3-thia-7-azabicyclo[3.3.1]nonane hydroperchlorate, and 7-benzyl-9-phenyl-3-thia-7-azabicyclo[3.3.1]nonan-9-ol hydroperchlorate and derivatives: single-crystal X-ray diffraction analysis and evidence for chair-chair and chair-boat conformers in the solid state. Bailey BR 3d, et al. **J Med Chem** 1984 Jun;27(6):758-67

Synthesis and antiarrhythmic activity of new 1-[1-[2-[3-(alkylamino)-2-hydroxypropoxy]phenyl]vinyl] H-imidazoles and related compounds. Ogata M, et al. **J Med Chem** 1984 Sep;27(9):1142-9

Synthesis of benzofurancarboxylic acids and their aminoesters, potential circulatory drugs. Zawadowski T, et al. **Pol J Pharmacol Pharm** 1982 Nov-Dec; 34(5-6):433-40

Ent-16 alpha-methylamino-3-methoxy-1,3,5(10)-estratrien-17 beta-ol hydrochloride, a selective anti-arrhytmic enantiosteroid. Boyd A, et al. **Steroids** 1982 Dec; 40(6):615-23

CLASSIFICATION

A classification of antiarrhythmic actions reassessed after a decade of new drugs. Vaughan Williams EM. **J Clin Pharmacol** 1984 Apr;24(4):129-47 (86 ref.)

IMMUNOLOGY

Molecular basis for the antigenicity of lidocaine analogs: tocainide and mexiletine. Duff HJ, et al. **Am Heart J** 1984 Mar;107(3):585-9

METABOLISM

Metabolism of flecainide. Conard GJ, et al. **Am J Cardiol** 1984 Feb 27;53(5):41B-51B (48 ref.)

Clinical importance of metabolites of antiarrhythmic drugs. Kates RE, et al. **Am J Cardiol** 1984 Jan 1;53(1):248-51

Pharmacodynamics of the initiation of antiarrhythmic therapy with lorcainide. Winkle RA, et al. **Am J Cardiol** 1984 Feb 1;53(4):544-51

Importance of metabolites in antiarrhythmic therapy. Woosley RL, et al. **Am J Cardiol** 1983 Sep 22;52(6):3C-7C

Propafenone disposition kinetics in cardiac arrhythmia. Connolly S, et al. **Clin Pharmacol Ther** 1984 Aug; 36(2):163-8

Lorcainide kinetics and protein binding in patients with end-stage renal disease. Somani P, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 Mar;22(3):121-5

Myocardial uptake of encainide and its two major metabolites, O-demethyl encainide and 3-methoxy-O-demethyl encainide, in the dog. Latini R, et al. **J Cardiovasc Pharmacol** 1984 Jul-Aug;6(4):663-7

Influence of genetic polymorphism on the metabolism and disposition of encainide in man. Wang T, et al. **J Pharmacol Exp Ther** 1984 Mar;228(3):605-11

Sublingual absorption of the quaternary ammonium antiarrhythmic agent, UM-272. Patterson E, et al. **Pharmacology** 1983;27(4):192-6

Biotransformation of cibenzoline to 2-(2,2-diphenylcyclopropyl)-1H-imidazole. Leinweber FJ, et al. **Xenobiotica** 1983 May;13(5):287-94

[Clinical pharmacology of propafenone] Ambrosioni E, et al. **G Ital Cardiol** 1984 Apr;14(4):285-92 (Eng. Abstr.) (Ita)

PHARMACODYNAMICS

Acute effects of anti-arrhythmic drugs on cardiac pacing threshold. Mohan JC, et al. **Acta Cardiol (Brux)** 1984; 39(3):191-201

Potential antiarrhythmic agents. I. Antiarrhythmic activity of basic N-(alpha, alpha-dimethylbenzyl)acylamines. Akerman B, et al. **Acta Pharm Suec** 1984;21(2):103-8

Electrophysiologic and hemodynamic effects of propafenone, a new antiarrhythmic agent, on the anesthetized, closed-chest dog: comparative study with lidocaine. Karagueuzian HS, et al. **Am Heart J** 1984 Mar; 107(3):418-24

Antidysrhythmic actions of meobentine sulfate. Zimmerman JM, et al. **Am Heart J** 1984 Jun;107(6):1117-24

Hemodynamic effects of antiarrhythmic drugs. Block PJ, et al. **Am J Cardiol** 1983 Sep 22;52(6):14C-23C (137 ref.)

Differential effects of O-demethyl encainide on induced and spontaneous arrhythmias in the conscious dog. Dawson AK, et al. **Am J Cardiol** 1984 Sep 1;54(6):654-8

Electrophysiologic properties of flecainide acetate. Estes NA 3d, et al. **Am J Cardiol** 1984 Feb 27;53(5):26B-29B

Effect of antiarrhythmic drugs on mortality after myocardial infarction. Furberg CD. **Am J Cardiol** 1983 Sep 22; 52(6):32C-36C (25 ref.)

Methods for documenting antiarrhythmic efficacy. Harrison DC. **Am J Cardiol** 1983 Sep 22;52(6):37C-40C

Discovery and development of flecainide. Hudak JM, et al. **Am J Cardiol** 1984 Feb 27;53(5):17B-20B

Pharmacology of lorcainide. Keefe DL. **Am J Cardiol** 1984 Aug 13;54(4):18B-21B

Clinical profiles of newer class I antiarrhythmic agents--tocainide, mexiletine, encainide, flecainide and lorcainide. Pottage A. **Am J Cardiol** 1983 Sep 22; 52(6):24C-31C (83 ref.)

Electrophysiologic effects of bepridil in the anesthetized dog studied by endocardiac electrodes. Sassine A, et al. **Am J Cardiol** 1984 Jun 1;53(11):1707-11

Electrophysiologic effects of propafenone on canine ischemic cardiac cells. Zeiler RH, et al. **Am J Cardiol** 1984 Aug 1;54(3):424-9

Selectivity of antiarrhythmic drugs and ionic channels: a historical overview. Carmeliet E. **Ann NY Acad Sci** 1984; 427:1-15

Antiarrhythmic agents: the modulated receptor mechanism of action of sodium and calcium channel-blocking drugs. Hondeghem LM, et al. **Annu Rev Pharmacol Toxicol** 1984; 24:387-423 (278 ref.)

Influence of arrhythmogenic and antiarrhythmic agents on alternating current-induced arrhythmias in guinea-pig heart preparations. Borchard U, et al. **Arch Int Pharmacodyn Ther** 1984 May;269(1):83-93

Electrophysiological effects of carocainide (770207) on the dog heart. Huerta F, et al. **Arch Int Pharmacodyn Ther** 1984 Feb;267(2):289-98

Effects of carocainide (770207) on canine cardiac automaticity. Huerta F, et al. **Arch Int Pharmacodyn Ther** 1984 Apr;268(2):216-24

Effects of cibenzoline, a novel antiarrhythmic drug, on action potential and transmembrane currents in frog atrial muscle. Masse C, et al. **Arch Int Pharmacodyn Ther** 1984 Jun; 269(2):219-35

Electrophysiological effects of carocainide (770207) on canine ventricular muscle and Purkinje fibers. Pourrias B, et al. **Arch Int Pharmacodyn Ther** 1983 Sep;265(1):85-95

Cardiac electrophysiological effects of cibenzoline by acute and chronic administration in the anesthetized dog. Sassine A, et al. **Arch Int Pharmacodyn Ther** 1984 Jun; 269(2):201-18

Effects of 4 antiarrhythmic drugs on sinoatrial conduction time in isolated and blood-perfused dog atria. Shimotori M, et al. **Arch Int Pharmacodyn Ther** 1984 Jan;267(1):67-79

Effects of bepridil on Ca2+ uptake by cardiac mitochondria. Younes A, et al. **Biochem Pharmacol** 1984 Apr 15; 33(8):1363-6

Local anaesthetic effect of antiarrhythmic drugs and human sperm immobilization: mechanism and application of the interrelationship. Hong CY, et al. **Br J Clin Pharmacol** 1984 Jun;17(6):687-90

Electromechanical effects of bepridil on rabbit isolated hearts. Anno T, et al. **Br J Pharmacol** 1984 Jan;81(1):41-7

Effects of bepridil on the electrophysiological properties of guinea-pig ventricular muscles. Anno T, et al. **Br J Pharmacol** 1984 Apr;81(4):589-97

Studies on the bradycardia induced by bepridil. Beaughard M, et al. **Br J Pharmacol** 1982 Feb;75(2):293-300

Importance of physico-chemical properties in determining the kinetics of the effects of Class I antiarrhythmic drugs on maximum rate of depolarization in guinea-pig ventricle. Campbell TJ. **Br J Pharmacol** 1983 Sep;80(1):33-40

Antiarrhythmic effects of Org 6001 in rats: correlation with plasma and tissue drug concentrations. Kane K, et al. **Br J Pharmacol** 1982 Feb;75(2):319-23

An investigation into the characteristics of reperfusion-induced arrhythmias in the anaesthetized rat and their susceptibility to antiarrhythmic agents. Kane KA, et al. **Br J Pharmacol** 1984 Jun;82(2):349-57

Pharmacological mapping of regional effects in the rabbit heart of some new antiarrhythmic drugs. Millar JS, et al. **Br J Pharmacol** 1983 Jul;79(3):701-9

Responses to ligation of a coronary artery in conscious rats and the actions of antiarrhythmics. Johnston KM, et al. **Can J Physiol Pharmacol** 1983 Nov;61(11):1340-53

Acute effects of lignocaine, procainamide, metoprolol, digoxin and atropine on human myocardial refractoriness. Edvardsson N, et al. **Cardiovasc Res** 1984 Aug;18(8):463-70

Effect of methuenine on the fast inward sodium current in frog atrial fibres. Sauviat MP. **Chung Kuo Yao Li Hsueh Pao** 1984 Jun;5(2):92-7

Effects of three bradycardiac drugs on regional myocardial blood flow and function in areas distal to a total or partial coronary occlusion in dogs. Gross GJ, et al. **Circulation** 1984 Feb;69(2):391-9

Lorcainide. A preliminary review of its pharmacodynamic properties and therapeutic efficacy. Eiriksson Ce, et al. **Drugs** 1984 Apr;27(4):279-300 (60 ref.)

The multiple modes of action of propafenone. Dukes ID, et al. **Eur Heart J** 1984 Feb;5(2):115-25

Class 1 antiarrhythmic drugs--characteristic electrocardiographic differences when assessed by atrial and ventricular pacing. Milne JR, et al. **Eur Heart J** 1984 Feb;5(2):99-107

The effect of a new antiarrhythmic agent, flecainide acetate, on systolic time intervals. Muhiddin KA, et al. **Eur J Clin Pharmacol** 1983;25(1):13-8

Haemodynamic effects of intravenous cibenzoline in patients with coronary heart disease. van den Brand M, et al. **Eur J Clin Pharmacol** 1984;26(3):297-302

Depression of automaticity of the rabbit SA node by bepridil and nifedipine. Goto J, et al. **Eur J Pharmacol** 1984 Mar 23;99(2-3):227-31

The interaction of cycle length with the electrophysiological effect of lidocaine, tocainide and verapamil on canine Purkinje fibers. Kinnaird AA, et al. **Eur J Pharmacol** 1984 Mar 16;99(1):63-71

Effect of propafenone on the membrane currents of rabbit sino-atrial node cells. Satoh H, et al. **Eur J Pharmacol** 1984 Mar 23;99(2-3):185-91

Mechanism of action of dimethyl quaternary propranolol (UM-272) in isoproterenol-induced cardiomyopathy in rats. Gupta M, et al. **Indian J Med Res** 1983 Jun;77:886-94

Cardiac effects of cibenzoline. Dangman KH. **J Cardiovasc Pharmacol** 1984 Mar-Apr;6(2):300-11

Electrophysiological effects of encainide (MJ9067) on canine subendocardial Purkinje fibers surviving infarction. King BW, et al. **J Cardiovasc Pharmacol** 1984 Jul-Aug; 6(4):547-54

Electrophysiology of O-demethyl encainide in a canine model of sustained ventricular tachycardia. Roden DM, et al. **J Cardiovasc Pharmacol** 1984 Jul-Aug;6(4):588-95

Electrophysiological studies of indecainide hydrochloride, a new antiarrhythmic agent, in canine cardiac tissues. Steinberg MI, et al. **J Cardiovasc Pharmacol** 1984 Jul-Aug; 6(4):614-21

Membrane action of ethmozin on normoxic and hypoxic canine Purkinje fibers. Tsuji Y, et al. **J Cardiovasc Pharmacol** 1983 Nov-Dec;5(6):961-7

Quantifying antiarrhythmic drug blocking during action potentials in guinea-pig papillary muscle. Courtney KR. **J Mol Cell Cardiol** 1983 Nov;15(11):749-57

PK 10139 and quinidine: interactions with digoxin concentrations in rats and dogs. Rougeot C, et al. **J Pharm Pharmacol** 1984 May;36(5):347-9

Influence of the restoration of vagal tone by intracisternal injection of dextromoramide on the cardiac effects of the antiarrhythmic drugs. Bertrix L, et al. **J Pharmacol** 1983 Jul-Sep;14(3):361-72

Antiarrhythmic effects of ethmozin in cardiac Purkinje fibers: suppression of automaticity and abolition of triggering. Dangman KH, et al. **J Pharmacol Exp Ther** 1983 Dec; 227(3):578-86

Effect of encainide and its two major metabolites on cardiac conduction. Dresel PE. **J Pharmacol Exp Ther** 1984 Jan; 228(1):180-6

Effects on calmodulin of bepridil, an antianginal agent. Itoh H, et al. **J Pharmacol Exp Ther** 1984 Sep;230(3):737-41

Demonstration of beta adrenoceptor blockade by propafenone hydrochloride: clinical pharmacologic, radioligand binding and adenylate cyclase activation studies. McLeod AA, et al. **J Pharmacol Exp Ther** 1984 Feb;228(2):461-6

Frequency-dependent effects of antiarrhythmic drugs on action potential duration and refractoriness of canine cardiac Purkinje fibers. Nattel S, et al. **J Pharmacol Exp Ther** 1984 Apr;229(1):283-91

Electrophysiological profile of the antiarrhythmic compound asocainol studied on perfused guinea-pig hearts and on isolated cardiac preparations. Langenfeld H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Jun;

326(2):155–62

Effects of a new antiarrhythmic compound SUN 1165 [N-(2,6-dimethylphenyl)-8-pyrrolizidineacetamide hydrochloride] on the sodium currents in isolated single rat ventricular cells. Yatani A, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Jun; 326(2):163–8

Retrograde gap in fast pathway conduction accentuated by the class I antiarrhythmic agent, flecainide. Bexton RS, et al. **PACE** 1983 Nov;6(6):1273–7

Class I antiarrhythmic agents: quinidine, procainamide and N-acetylprocainamide, disopyramide. Roden DM, et al. **Pharmacol Ther** 1983;23(2):179–91 (79 ref.)

Methods for the detection and assessment of antiarrhythmic activity. Winslow E. **Pharmacol Ther** 1984;24(3):401–33 (195 ref.)

Inotropic and electrophysiological effects of AB—2, a new antiarrhythmic agent, on isolated cardiac preparations. Bereşewicz A, et al. **Pol J Pharmacol Pharm** 1983 May-Jun; 35(3):223–32

Investigation of new benzofurane, benzopiran and furanochromone derivatives—potential antiarrhythmic and hypotensive agents. Jędrych Z, et al. **Pol J Pharmacol Pharm** 1983 Sep–Oct;35(5):397–403

[Electrophysiologic studies on the antiarrhythmic effect of tetrandrine] Zhang GQ, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1983 Sep; 11(3):224–6 (Eng. Abstr.) **(Chi)**

[Anti-arrhythmia effects of guan-fu base A] Chen WZ, et al. **Chung Kuo Yao Li Hsueh Pao** 1983 Dec;4(4):247–50 (Eng. Abstr.) **(Chi)**

[Effects of changrolin on electrophysiological properties of canine Purkinje fibers] Gu PK, et al. **Chung Kuo Yao Li Hsueh Pao** 1983 Sep;4(3):170–2 (Eng. Abstr.) **(Chi)**

[Effects of changrolin on contractility and excitability of isolated cat papillary muscle] Li RS, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Mar;5(1):26–9 (Eng. Abstr.) **(Chi)**

[Anti-arrhythmic effect of total saponins of Panax notoginseng] Liu S, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Jun;5(2):100–3 (Eng. Abstr.) **(Chi)**

[Effects of intravenous infusion of changrolin on cardiac function of patients with arrhythmia] Shen YT, et al. **Chung Kuo Yao Li Hsueh Pao** 1983 Dec;4(4):251–3 (Eng. Abstr.) **(Chi)**

[Anti-arrhythmic effects of sodium selenite] Tang FZ, et al. **Chung Kuo Yao Li Hsueh Pao** 1983 Dec;4(4):244–7 (Eng. Abstr.) **(Chi)**

[Animal experimental studies on the pharmacology of a new anti-arrhythmic of the imino-cycloheptane series, stirocainide] Borchard U, et al. **Arzneimittelforsch** 1984; 34(4):416–22 (Eng. Abstr.) **(Ger)**

[Electrophysiologic effects of propafenone in patients with sinus node dysfunction] Alboni P, et al. **G Ital Cardiol** 1984 Apr;14(4):297–303 (Eng. Abstr.) **(Ita)**

[Experimental characterization of propafenone. Hemodynamic effects] Botti G, et al. **G Ital Cardiol** 1984 May;14(5):373–6 (Eng. Abstr.) **(Ita)**

[Electrophysiologic characterization of propafenone in man] Masini G, et al. **G Ital Cardiol** 1984 Apr;14(4):293–6 (Eng. Abstr.) **(Ita)**

[Electrophysiologic effects of propafenone in subjects with pre-existing excito-conduction disorders] Rizzo A, et al. **G Ital Cardiol** 1984 May;14(5):377–8 (Eng. Abstr.) **(Ita)**

[Experimental studies on the antiarrhythmic mechanism of mexiletine in guinea pig ventricular muscles using microelectrode techniques] Matsuo S. **Nippon Ika Daigaku Zasshi** 1984 Apr;51(2):208–23 **(Jpn)**

[Inhibiting action of anti-arrhythmia agents of the phenothiazine series—etmozin and its diethylamino analog—on platelet aggregation and metabolism of endogenous arachidonic acid] Mazurov AV, et al. **Biull Eksp Biol Med** 1984 Jan;97(1):63–5 (Eng. Abstr.) **(Rus)**

[Effect of ethmozine on kidney function] Ul'ianov GP. **Biull Eksp Biol Med** 1984 Jul;97(7):51–3 (Eng. Abstr.) **(Rus)**

[Pharmacological study of quaternary trimecaine derivatives] Gendenshtein EI, et al. **Farmakol Toksikol** 1983 Jul-Aug; 46(4):36–40 (Eng. Abstr.) **(Rus)**

[Action of obsidan on platelet hemostasis in patients with atrial fibrillation] Antiuf'ev VF, et al. **Klin Med (Mosk)** 1983 Oct;61(10):64–7 **(Rus)**

[Effect of tricyclic antidepressants on automatism induced in the isolated rat ventricle: comparison of adrenergic beta-blockers and calcium antagonists] Laorden ML, et al. **Arch Farmacol Toxicol** 1983 Dec;9(3):243–50 (Eng. Abstr.) **(Spa)**

[Clinical pharmacology of anti-arrhythmia agents] Azanza Perea JR, et al. **Rev Med Univ Navarra** 1984 Mar; 28(1):37–43 **(Spa)**

POISONING

Management of cardiac drug overdose. Volans GN, et al. **Resuscitation** 1984 Mar;11(3–4):207–16

STANDARDS

[Method of evaluating antiarrhythmic therapy in patients with paroxysms of supraventricular tachycardia] Smetnev AS, et al. **Kardiologiia** 1984 May;24(5):25–31 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Comparative study of tocainide and lidocaine in patients admitted for suspected acute myocardial infarction. Rehnqvist N, et al. **Acta Med Scand** 1983;214(1):21–7

Arrhythmias and antiarrhythmic drugs. Urthaler F. **Ala J Med Sci** 1984 Jul;21(3):275–83

Effect of propafenone in patients with stable ventricular arrhythmias. de Soyza N, et al. **Am Heart J** 1984 Aug; 108(2):285–9

Suppression of high-grade ventricular ectopic activity by antiarrhythmic drug treatment as a marker for survival in patients with chronic coronary artery disease. Hoffmann A, et al. **Am Heart J** 1984 Jun;107(6):1103–8

Pacing termination of ventricular tachycardia: influence of antiarrhythmic-slowed ectopic rate. Keren G, et al. **Am Heart J** 1984 Apr;107(4):638–43

Electrophysiologic effects of ethmozin in patients with ventricular tachycardia. Mann DE, et al. **Am Heart J** 1984 Apr;107(4):674–9

Ventricular arrhythmias: mechanisms and actions of antiarrhythmic drugs. Wellens HJ, et al. **Am Heart J** 1984 May;107(5 Pt 2):1053–7

A proposal for the clinical use of flecainide. Anderson JL, et al. **Am J Cardiol** 1984 Feb 27;53(5):112B–119B (37 ref.)

Experience with electrophysiologically guided therapy of ventricular tachycardia with flecainide: summary of long-term follow-up. Anderson JL. **Am J Cardiol** 1984 Feb 27;53(5):79B–86B

Perspectives on the current treatment of cardiac arrhythmias. Bigger JT Jr. **Am J Cardiol** 1984 Aug 13;54(4):2B–7B

Antiarrhythmic treatment: an overview. Bigger JT Jr. **Am J Cardiol** 1984 Feb 27;53(5):8B–16B (72 ref.)

Differentiation of septal from free wall accessory pathway location: observations during bundle branch block in reciprocating tachycardia in the presence of type I antiarrhythmic drugs. Broughton A, et al. **Am J Cardiol** 1983 Oct 1;52(7):751–4

Electropharmacology of nonsustained ventricular tachycardia: effects of class I antiarrhythmic agents, verapamil and propranolol. Buxton AE, et al. **Am J Cardiol** 1984 Mar 1;53(6):738–44

Clinical efficacy and electrophysiology of oral propafenone for ventricular tachycardia. Connolly SJ, et al. **Am J Cardiol** 1983 Dec 1;52(10):1208–13

Management of recurrent ventricular tachycardia: economic impact of therapeutic alternatives. Ferguson D, et al. **Am J Cardiol** 1984 Feb 1;53(4):531–6

Electrophysiologic effects of flecainide acetate on sinus node function, anomalous atrioventricular connections, and pacemaker thresholds. Hellestrand KJ, et al. **Am J Cardiol** 1984 Feb 27;53(5):30B–38B

Flecainide versus quinidine: results of a multicenter trial. Hodges M, et al. **Am J Cardiol** 1984 Feb 27;53(5):66B–71B

Effects of flecainide on ventricular function: clinical and experimental correlations. Josephson MA, et al. **Am J Cardiol** 1984 Feb 27;53(5):95B–100B

A double-blind, crossover comparison of flecainide acetate and disopyramide phosphate in the treatment of ventricular premature complexes. Kjekshus J, et al. **Am J Cardiol** 1984 Feb 27;53(5):72B–78B

Bepridil for recurrent sustained ventricular tachycardias: assessment using electrophysiologic testing. Levy S, et al. **Am J Cardiol** 1984 Sep 1;54(6):579–81

Rationale of therapy in the patient with acute myocardial infarction and life-threatening arrhythmias: a focus on bretylium. Lucchesi BR. **Am J Cardiol** 1984 Jul 30; 54(2):14A–19A (68 ref.)

Long-term antiarrhythmic therapy with flecainide. Meinertz T, et al. **Am J Cardiol** 1984 Jul 1;54(1):91–6

Management of malignant ventricular arrhythmia—experience with lorcainide. Podrid PJ, et al. **Am J Cardiol** 1984 Aug 13;54(4):29B–36B

Evaluation of flecainide acetate in the management of patients at high risk of sudden cardiac death. Reid PR, et al. **Am J Cardiol** 1984 Feb 27;53(5):108B–111B

A controlled trial of propafenone for treatment of frequent and repetitive ventricular premature complexes. Salerno DM, et al. **Am J Cardiol** 1984 Jan 1;53(1):77–83

Effect of moricizine hydrochloride in reducing chronic high-frequency ventricular arrhythmia: results of a prospective, controlled trial. Singh SN, et al. **Am J Cardiol** 1984 Mar 1;53(6):745–50

Lorcainide for high-frequency ventricular arrhythmia: preliminary results of a short-term double-blind and placebo-controlled crossover study and long-term follow-up. Singh SN, et al. **Am J Cardiol** 1984 Aug 13; 54(4):22B–28B

Evaluation of lorcainide in patients with symptomatic ventricular tachycardia. Somberg JC, et al. **Am J Cardiol** 1984 Aug 13;54(4):43B–48B

New directions in antiarrhythmic drug therapy: the development of a promising new agent, lorcainide. Somberg JC, et al. **Am J Cardiol** 1984 Aug 13;54(4):1B

Lorcainide therapy for the high-risk patient post myocardial infarction. Somberg JC, et al. **Am J Cardiol** 1984 Aug 13; 54(4):37B–42B

New directions in antiarrhythmic drug therapy. Somberg JC. **Am J Cardiol** 1984 Aug 13;54(4):8B–17B

Comparison of noninvasive arrhythmia induction techniques with electrophysiologic studies and evaluation of lorcainide in patients with symptomatic ventricular tachycardia. Somberg JC, et al. **Am J Cardiol** 1984 Aug 13; 54(4):49B–54B

Lorcainide in the prophylaxis of ventricular arrhythmias in acute myocardial infarction. Leinonen H, et al. **Ann Clin Res** 1984;16(1):18–22

Antiarrhythmic effects of stirocainide in acute myocardial infarction. Gülker H, et al. **Arzneimittelforsch** 1984; 34(5):559–62

Pharmacological observations in patients with nodoventricular pathways. Strasberg B, et al. **Br Heart J** 1984 Jan;51(1):84–90

Encircling endocardial resection for sustained drug-resistant ventricular tachycardia. Landymore RW, et al. **Can J Surg** 1984 Jan;27(1):24–6

Oral flecainide for suppression of ventricular arrhythmias. Vanhaleweyk G, et al. **Cardiology** 1984;71(1):30–9

The clinical pharmacology of antiarrhythmic drugs. Adams PC, et al. **Cardiovasc Clin** 1984;14(3):153–90

Management of serious cardiac arrhythmias with drugs. Echt DS, et al. **Cardiovasc Clin** 1984;14(3):191–209

Drugs and pacemaker therapy. Horowitz LN. **Cardiovasc Clin** 1983;14(2):177–87 (26 ref.)

Effectiveness of antiarrhythmic agents in preventing death in ventricular fibrillation induced by isoprenaline in desoxycorticosterone-pretreated rats. Green M, et al. **Cardiovasc Res** 1983 Sep;17(9):562–7

Studies on heart. XXIV. Inhibitory effect of antiarrhythmic peptide (AAP) on experimental thromboses. Aonuma S, et al. **Chem Pharm Bull (Tokyo)** 1984 Jan;32(1):219–27

Direct endocardial recording from an accessory atrioventricular pathway: localization of the site of block, effect of antiarrhythmic drugs, and attempt at nonsurgical ablation. Jackman WM, et al. **Circulation** 1983 Nov; 68(5):906–16

Sustained ventricular tachycardia in patients with idiopathic dilated cardiomyopathy: electrophysiologic testing and lack of response to antiarrhythmic drug therapy. Poll DS, et al. **Circulation** 1984 Sep;70(3):451–6

Comparative effect of disopyramide and ethmozine in suppressing complex ventricular arrhythmias by use of a double-blind, placebo-controlled, longitudinal crossover design. Pratt CM, et al. **Circulation** 1984 Feb;69(2):288–97

Clinical efficacy and electrophysiologic effects of encainide in patients with Wolff-Parkinson-White syndrome. Prystowsky EN, et al. **Circulation** 1984 Feb;69(2):278–87

Antiarrhythmic use of cibenzoline, a new class I antiarrhythmic agent with class 3 and 4 properties, in patients with recurrent ventricular tachycardia. Cocco G, et al. **Eur Heart J** 1984 Feb;5(2):108–14

Professional nursing issues in the administration of investigational antiarrhythmic medications. Corbett KM, et al. **Heart Lung** 1984 Jul;13(4):395–9

Clinical studies with propafenone—a new antiarrhythmic agent. Prabhakaran SN, et al. **Indian Heart J** 1984 Mar-Apr;36(2):107–10

Abolishing advanced grades of ventricular premature beats protects patients with recurring malignant ventricular arrhythmias. Lown B, et al. **Int J Cardiol** 1983 Oct; 4(3):345–50

Antiarrhythmic drugs for the prevention of potentially lethal arrhythmias—assessment of current approaches. Myerburg RJ, et al. **Int J Cardiol** 1983 Oct;4(3):350–6

Antiarrhythmic activity of esmolol (ASL-8052)—a novel ultra-short acting beta-adrenoreceptor blocking agent. Klein G, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 Feb;22(2):112–7

Clinical efficacy and electrophysiologic effects of cibenzoline therapy in patients with ventricular arrhythmias. Browne KF, et al. **J Am Coll Cardiol** 1984 Mar;3(3):857–64

Nadolol and supraventricular tachycardia: an electrophysiologic study. Chang MS, et al. **J Am Coll Cardiol** 1983 Nov;2(5):894–903

Lorcainide in patients with refractory ventricular tachyarrhythmia. Chesnie B, et al. **J Am Coll Cardiol** 1984 Jun;3(6):1531–9

Limited role of intravenous propafenone hydrochloride in the treatment of sustained ventricular tachycardia: electrophysiologic effects and results of programmed ventricular stimulation. Doherty JU, et al. **J Am Coll Cardiol** 1984 Aug;4(2):378–81

Cibenzoline for treatment of ventricular arrhythmias: a double-blind placebo-controlled study. Kostis JB, et al. **J Am Coll Cardiol** 1984 Aug;4(2):372–7

Propafenone: a new agent for ventricular arrhythmia. Podrid PJ, et al. **J Am Coll Cardiol** 1984 Jul;4(1):117–25

The acute antiarrhythmic effects of droxicainide and lidocaine in unanesthetized dogs. Aberg G, et al. **J Cardiovasc Pharmacol** 1984 Mar-Apr;6(2):355–60

The antiarrhythmic activity of meobentine sulfate in man. Duff HJ, et al. **J Cardiovasc Pharmacol** 1984 Jul-Aug; 6(4):650–6

Oral tocainide versus disopyramide: a double-blind, randomized, crossover study of outpatients with stable ventricular premature beats. McLaran CJ, et al. **J Cardiovasc Pharmacol** 1984 Jul-Aug;6(4):657–62

The electrophysiologic effects of oral cibenzoline. Kushner M, et al. **J Electrocardiol** 1984 Jan;17(1):15–23

Does treatment of ventricular premature beats prevent sudden cardiac death? Whitlock RR Jr. **J Med Assoc Ga** 1983 Dec;72(12):859–61

Antagonistic effect of dauricine of experimental arrhythmias. Li GR, et al. **J Tradit Chin Med** 1984 Mar;4(1):25–8
Newer antiarrhythmic drugs. Coumel P, et al. **PACE** 1978 Oct;1(4):521–8
Treatment of life-threatening ventricular arrhythmias by a combination of antiarrhythmic drugs and right ventricular pacing. Ector H, et al. **PACE** 1984 Jul;7(4):622–7
Effects of propafenone on induction and maintenance of atrioventricular nodal reentrant tachycardia. Garcia-Civera R, et al. **PACE** 1984 Jul;7(4):649–55
Effect of the antiarrhythmic agent flecainide acetate on acute and chronic pacing thresholds. Hellestrand KJ, et al. **PACE** 1983 Sep;6(5 Pt 1):892–9
Self-conversion of drug resistant ventricular tachycardia by rapid atrial pacing. Waxman MB, et al. **PACE** 1983 Sep; 6(5 Pt 1):900–7
Chemistry, pharmacology, antiarrhythmic efficacy and adverse effects of tocainide hydrochloride, an orally active structural analog of lidocaine. Alpert JS, et al. **Pharmacotherapy** 1983 Nov-Dec;3(6):316–23 (48 ref.)
Regression analysis applied to PVC histories: a statistical procedure for evaluating antiarrhythmic drug efficacy. Berry DA, et al. **Stat Med** 1983 Jul-Sep;2(3):331–43
[Effects of thioproline on experimental arrhythmia] Zhao HP, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Mar;5(1):30–2 (Eng. Abstr.) **(Chi)**
[Anti-arrhythmic effect of sophocarpine hydrobromide] Zhao ZY, et al. **Chung Kuo Yao Li Hsueh Pao** 1983 Sep; 4(3):173–6 (Eng. Abstr.) **(Chi)**
[The effect of dimethyltrilobine iodide on experimental arrhythmia and its electrophysiological action on myocardium] Ming Z, et al. **Yao Hsueh Hsueh Pao** 1984 Jan;19(1):12–5 (Eng. Abstr.) **(Chi)**
[Personal experience with the use of Lorcainide in the treatment of Wolff-Parkinson-White syndrome in infants and older children] Bartáková H, et al. **Cesk Pediatr** 1983 Jul;38(7):421–6 (Eng. Abstr.) **(Cze)**
[Treatment of atrial fibrillation with fenoxedil hydrochloride. Apropos of 112 cases] Allal J, et al. **Arch Mal Coeur** 1984 Jan;77(1):85–91 (Eng. Abstr.) **(Fre)**
[Electrophysiological effects of encainide in man] Cassagneau B, et al. **Arch Mal Coeur** 1984 Jun;77(6):707–11 (Eng. Abstr.) **(Fre)**
[Hyperaldosteronism in the acute phase of myocardial infarction. Effects of its treatment on the prevention of ventricular fibrillation] Denis B, et al. **Arch Mal Coeur** 1984 Apr;77 Spec No:35–40 (Eng. Abstr.) **(Fre)**
[Flecainide: a new antiarrhythmic agent] Leclercq JF, et al. **Arch Mal Coeur** 1983 Oct;76(10):1218–30 (Eng. Abstr.) **(Fre)**
[Secondary prevention of myocardial infarction using anti-arrhythmia agents and beta-receptor blockers] Mösslacher H. **Acta Med Austriaca** 1984;11(1):1–8 (Eng. Abstr.) **(Ger)**
[Comparative studies of tocainide and propafenone in the treatment of ventricular arrhythmias] Gebhardt A, et al. **Arzneimittelforsch** 1984;34(3):303–6 (Eng. Abstr.) **(Ger)**
[Dangers of and indications for anti-arrhythmia therapy in the aged] Follath F. **Fortschr Med** 1983 Sep 1; 101(33):1460–4 (Eng. Abstr.) **(Ger)**
[Sudden heart death in ventricular heart rhythm disorders: possibilities and limits of long-term therapy] Lüderitz B, et al. **Internist (Berlin)** 1984 Jul;25(7):415–20 **(Ger)**
[Comparative studies on the cardiodepressant effect of disopyramide, mexiletine and propafenon] Angermann C, et al. **Z Kardiol** 1983 Nov;72(11):665–74 (Eng. Abstr.) **(Ger)**
[Drug-induced cardioversion. Advances in chronic atrial fibrillation and flutter] Beck OA. **ZFA (Stuttgart)** 1983 Jul 20;59(20):1122–7 **(Ger)**
[Paroxysmal supraventricular tachycardia: mechanisms and treatment] Strasberg B, et al. **Harefuah** 1984 Mar 15; 106(6):272–4 **(Heb)**
[Unusual mechanism of reciprocating tachycardia in a case of ventricular preexcitation resistant to preventive anti-arrhythmia therapy] Anastasio R, et al. **G Ital Cardiol** 1983 Aug;13(8):133–7 (Eng. Abstr.) **(Ita)**
[Combinations of some anti-arrhythmia drugs] Di Marcotullio G, et al. **G Ital Cardiol** 1984 May;14(5):360–6 (Eng. Abstr.) **(Ita)**
[Hemodynamic effects of propafenone in acute myocardial infarct] Finzi A, et al. **G Ital Cardiol** 1984 May;14(5):367–72 (Eng. Abstr.) **(Ita)**
[Clinical experience with propafenone in paroxysmal supraventricular reciprocating tachycardias] Furlanello F, et al. **G Ital Cardiol** 1984 May;14(5):379–80 (Eng. Abstr.) **(Ita)**
[How and why treat ventricular hyperkinetic arrhythmias] Leclercq JF, et al. **G Ital Cardiol** 1984 Apr;14(4):273–8 (Eng. Abstr.) **(Ita)**
[Electrophysiologic and anti-arrhythmia properties of propafenone deducible from experimental studies in vitro] Ledda F, et al. **G Ital Cardiol** 1984 Apr;14(4):279–84 (Eng. Abstr.) **(Ita)**
[Comparative evaluation of mexiletine and propafenone by dynamic electrocardiography] Marzegalli M, et al. **G Ital Cardiol** 1984 May;14(5):352–6 (Eng. Abstr.) **(Ita)**
[Pharmacological treatment of supraventricular hyperkinetic arrhythmia in sinus node disease: an alternative to electric treatment] Pagnoni F, et al. **G Ital Cardiol** 1983; 13(5):408–11 **(Ita)**
[Comparative study on the efficacy of disopyramide and propafenone in the prevention of the recurrence of ventricular tachycardia] Palmieri M, et al. **G Ital Cardiol** 1984 May;14(5):357–9 (Eng. Abstr.) **(Ita)**
[Propafenone in refractory supraventricular arrhythmias] Palumbo E, et al. **G Ital Cardiol** 1984 May;14(5):381–2 (Eng. Abstr.) **(Ita)**
[Comparison of the efficacy of propafenone and hydroquinidine in stabilized extrasystolic ventricular arrhythmia by means of dynamic electrocardiographic Holter monitoring] Rizzon P, et al. **G Ital Cardiol** 1984 May;14(5):345–51 (Eng. Abstr.) **(Ita)**
[Studies on the heart (22). Inhibitory effect of an atrial peptide (AAP) on drug-induced arrhythmia] Aonuma S, et al. **Yakugaku Zasshi** 1983 Jun;103(6):662–6 (Eng. Abstr.) **(Jpn)**
[Nadolol in the treatment of arrhythmia] Goch JH, et al. **Wiad Lek** 1984 Mar 1;37(5):329–33 (Eng. Abstr.) **(Pol)**
[Anti-arrhythmia properties of marcaine] Dzhaparidze MM, et al. **Biull Eksp Biol Med** 1983 Sep;96(9):64–7 (Eng. Abstr.) **(Rus)**
[Anti-arrhythmic action of preparations of the dihydropyridine series] Frol'kis VV, et al. **Farmakol Toksikol** 1983 Nov-Dec;46(6):20–4 (Eng. Abstr.) **(Rus)**
[Analysis of the mechanisms of the anti-arrhythmic action of marcaine and lidocaine] Kaverina NV, et al. **Farmakol Toksikol** 1984 May-Jun;47(3):46–50 (Eng. Abstr.) **(Rus)**
[Various aspects of the anti-arrhythmia action of trimecaine and its effect on hemodynamics] Kostin IaV, et al. **Farmakol Toksikol** 1984 Jan-Feb;47(1):47–50 **(Rus)**
[Anti-arrhythmic activity of a new selenium-derivative preparation] Ventslavskaia TA, et al. **Farmakol Toksikol** 1984 Mar-Apr;47(2):38–41 (Eng. Abstr.) **(Rus)**
[Anti-arrhythmia properties of pyromecaine] Zakusov VV, et al. **Farmakol Toksikol** 1983 Sep-Oct;46(5):32–7 (Eng. Abstr.) **(Rus)**
[Effect of etmozin and ethacizin (diethylamino analog of etmozin) on local microcardiac blood flow and the fibrillation threshold of the heart] Aniukhovskiĭ EP, et al. **Kardiologiia** 1984 May;24(5):58–61 (Eng. Abstr.) **(Rus)**
[Drug treatment of heart rhythm disorders: the choice of anti-arrhythmia therapy and control of its efficacy] Golitsyn SP, et al. **Kardiologiia** 1983 Nov;23(11):5–8 **(Rus)**
[Ethacizin: pharmacologic properties and prospects for clinical application] Kaverina NV, et al. **Kardiologiia** 1984 May;24(5):52–7 (Eng. Abstr.) **(Rus)**
[A new Soviet drug, ethacizine, in the treatment of ventricular rhythm disorders] Kukes VG, et al. **Kardiologiia** 1983 Nov;23(11):45–7 (Eng. Abstr.) **(Rus)**
[Objective evaluation of anti-arrhythmia therapy with the treatment effectiveness coefficient] Maĭsuradze MZ, et al. **Kardiologiia** 1983 Sep;23(9):99–100 **(Rus)**
[Effect of ethmozine on the automatic function of the sinus node and sinoatrial conduction in patients with normal and impaired function of the sinus node] Rozenshtraukh LV, et al. **Kardiologiia** 1983 Nov;23(11):47–51 (Eng. Abstr.) **(Rus)**
[Comparative characteristics of the antiarrhythmic activity of lidocaine, trimecaine and pyromecaine] Orlov VM, et al. **Sov Med** 1984;(3):82–4 **(Rus)**
[Current concepts of the ionic mechanisms of cardiac arrhythmias and the possible mechanisms of action of cardiac anti-arrhythmia agents] Porotikov VI, et al. **Usp Fiziol Nauk** 1984 Jul-Sep;15(3):42–63 (133 ref.) **(Rus)**
[Use of a nomogram in treating cardiac arrhythmias with cordarone] Frenkel' VI, et al. **Vrach Delo** 1984 Mar;(3):54–6 (Eng. Abstr.) **(Rus)**
[Anti-arrhythmic effect of competitive aldosterone antagonists] Merzon AK, et al. **Vrach Delo** 1984 Apr; (4):18–22 (Eng. Abstr.) **(Rus)**
[Electrophysiological evaluation of anti-arrhythmia therapy in patients with recurrent supraventricular and ventricular tachycardia] Fajuri A, et al. **Rev Med Chil** 1983 Nov; 111(11):1117–22 (Eng. Abstr.) **(Spa)**

TOXICITY

Chronic oral toxicity and oncogenicity studies of flecainide, an antiarrhythmic, in rats and mice. Case MT, et al. **Toxicol Appl Pharmacol** 1984 Apr;73(2):232–42

ANTI-AUSTRALIA ANTIGENS see **HEPATITIS B ANTIBODIES**

ANTIBIOSIS

Alternative prey: a mechanism for elimination of bacterial species by protozoa. Mallory LM, et al. **Appl Environ Microbiol** 1983 Nov;46(5):1073–9
Evaluation of turkey cecal microflora in protecting day-old poults from Salmonella typhimurium challenge. Reid CR, et al. **Avian Dis** 1983 Jul-Sep;27(3):632–43
The susceptibility of bovine udder quarters colonized with Corynebacterium bovis to experimental infection with Staphylococcus aureus or Streptococcus agalactiae. Brooks BW, et al. **Can J Comp Med** 1984 Apr;48(2):146–50
Mechanism of poliovirus inactivation by cell-free filtrates of marine bacteria. Toranzo AE, et al. **Can J Microbiol** 1983 Nov;29(11):1481–6
Antagonistic activity of Debaryomyces hansenii towards Clostridium tyrobutyricum and Cl. butyricum. Fatichenti F, et al. **J Dairy Res** 1983 Nov;50(4):449–57
In vitro interactions between lactobacilli and other microorganisms occurring in the vaginal flora. Mårdh PA, et al. **Scand J Infect Dis [Suppl]** 1983;40:47–51
Barrier effect of Bifidobacterium longum on a pathogenic Escherichia coli strain by gut colonization in the germ-free rat. Faure JC, et al. **Z Ernahrungswiss** 1984 Mar;23(1):41–51
Interference of alpha-hemolytic streptococci isolated from tonsillar surface on beta-hemolytic streptococci (Streptococcus pyogenes)—a methodological study. Grahn E, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Jul; 254(4):459–68
[Growth inhibition of Mycobacterium lepraemurium in a cell-free medium by adding a suspension of M. leprae] Nakamura M. **Nippon Rai Gakkai Zasshi** 1983 Apr-Jun; 52(2):111–6 (Eng. Abstr.) **(Jpn)**
[Antagonism between hospital strains of Staphylococcus aureus and lactic acid bacteria in vitro and the use of the latter as a sanitary agent] Ambartsumian AD, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Aug;(8):36–8 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Effect of erythromycin on microbial antagonisms: a study in gnotobiotic mice associated with a human fecal flora. Andremont A, et al. **J Infect Dis** 1983 Sep;148(3):579–87
The effect of iron on mixed infection of Bacteroides fragilis and Escherichia coli in mice. Ward CG, et al. **J Surg Res** 1983 Oct;35(4):351–3

ANTIBIOTIC X 5108 see under **ANTIBIOTICS**

ANTIBIOTICS

Effect of aminoglycoside-use restrictions on drug cost. DeTorres OH, et al. **Am J Hosp Pharm** 1984 Jun; 41(6):1137–9
Compatibility of magnesium sulfate solutions with various antibiotics during simulated Y-site injection. Souney PF, et al. **Am J Hosp Pharm** 1984 Feb;41(2):323–4
Stability of gentamicin, tobramycin, and amikacin in combination with four beta-lactam antibiotics. Glew RH, et al. **Antimicrob Agents Chemother** 1983 Oct;24(4):474–7
Circular dichroism study of the interaction between aromatic heptaene antibiotics and small unilamellar vesicles. Mazerski J, et al. **Biochem Biophys Res Commun** 1983 Oct 31;116(2):520–6
Interactions of aminoglycoside antibiotics with negatively charged lipid layers. Biochemical and conformational studies. Brasseur R, et al. **Biochem Pharmacol** 1984 Feb 15;33(4):629–37
Structure of alamethicin in solution: nuclear magnetic resonance relaxation studies. Banerjee U, et al. **Biochemistry** 1983 Jul 19;22(15):3709–13
Dissociation kinetics and equilibrium binding properties of polyene antibiotic complexes with phosphatidylcholine/sterol vesicles. Witzke NM, et al. **Biochemistry** 1984 Apr 10;23(8):1668–74
A difference infrared spectroscopic study of gramicidin A, alamethicin and bacteriorhodopsin in perdeuterated dimyristoylphosphatidylcholine. Lee DC, et al. **Biochim Biophys Acta** 1984 Jan 11;769(1):49–56
Pressure effects on alamethicin conductance in bilayer membranes. Bruner LJ, et al. **Biophys J** 1983 Oct; 44(1):39–47
Alamethicin. A rich model for channel behavior. Hall JE, et al. **Biophys J** 1984 Jan;45(1):233–47
Controlling Xanthomonas phaseoli (Smith) Dowsen of moong seed through chemotherapy and heat therapy. Gaur RB, et al. **Hindustan Antibiot Bull** 1984 Feb-May; 26(1-2):23–6
Antibiotics literature index-a select bibliography. Purandare GM, et al. **Hindustan Antibiot Bull** 1983 Aug-Nov; 25(3-4):135–49
Toxic effect of the peroxidase-hydrogen peroxide-halide antimicrobial system on Mycobacterium leprae. Klebanoff SJ, et al. **Infect Immun** 1984 May;44(2):534–6
Protected 1-3 segment of the peptaibol antibiotics alamethicin and hypelcin. Solid-state and solution study of a stereochemically constrained linear peptide. Benedetti E, et al. **Int J Pept Protein Res** 1983 Oct;22(4):385–97
Correlation of structure and activity in ansamycins: molecular structure of cyclized rifamycin SV. Arora SK, et al. **J Antibiot (Tokyo)** 1984 Feb;37(2):178–81
Chemical and spectroscopic characterization of monobactams. Cooper R. **J Antibiot (Tokyo)** 1983 Oct; 36(10):1258–62
Constitution and absolute stereochemistry of the antibiotic sarubicin A. Eckardt K, et al. **J Antibiot (Tokyo)** 1983 Aug; 36(8):976–9
Epimerization and stereochemistry of avoparcin. Ellestad GA, et al. **J Antibiot (Tokyo)** 1983 Dec;36(12):1683–90
Segmental motion in pseudomonic acid A: a carbon-13 spin-lattice relaxation time study at two field strengths. Everett JR, et al. **J Antibiot (Tokyo)** 1984 Apr;37(4):363–7
Studies on peptide antibiotics, leucinostatins. II. The structures of leucinostatins A and B. Fukushima K, et al. **J Antibiot (Tokyo)** 1983 Dec;36(12):1613–30
The structure of decilorubicin. Ishii K, et al. **J Antibiot (Tokyo)** 1984 Apr;37(4):344–53
The absolute configuration of cytovaricin: isolation of methyl

beta-D-cymaroside by methanolysis. Kihara T, et al. **J Antibiot (Tokyo)** 1983 Sep;36(9):1236

Studies on a new antibiotic FR-900109. 2. X-ray structure determination of FR-900109 p-bromophenyl ester. Koda S, et al. **J Antibiot (Tokyo)** 1983 Sep;36(9):1237-8

Structural studies on pyrrolomycins C, D and E. Koyama M, et al. **J Antibiot (Tokyo)** 1983 Nov;36(11):1483-9

X-14885A, a novel divalent cation ionophore produced by a Streptomyces culture: discovery, fermentation, biological as well as ionophore properties and taxonomy of the producing culture. Liu CM, et al. **J Antibiot (Tokyo)** 1983 Sep;36(9):1118-22

Milbemycins, a new family of macrolide antibiotics. Structure determination of milbemycins D, E, F, G, H, J and K. Mishima H, et al. **J Antibiot (Tokyo)** 1983 Aug;36(8):980-90

Structure of leucinostatin B, an uncoupler on mitochondria. Mori Y, et al. **J Antibiot (Tokyo)** 1983 Aug;36(8):1084-6

Deepoxidation of 16-membered epoxyenone macrolide antibiotics. II. Chemical deepoxidation by dissolving metal reduction. Mutoh Y, et al. **J Antibiot (Tokyo)** 1984 Feb; 37(2):127-9

The absolute structures of rubeomycins A and A1 (carminomycins II and III) and rubeomycins B and B1 (4-hydroxybaumycinols A1 and A2). Ogawa Y, et al. **J Antibiot (Tokyo)** 1984 Jan;37(1):44-56

The structure of arphamenines A and B. Ohuchi S, et al. **J Antibiot (Tokyo)** 1983 Nov;36(11):1576-80

Structure of a new antibacterial antibiotic, thiotetromycin. Omura S, et al. **J Antibiot (Tokyo)** 1983 Dec;36(12):1781-2

The structure of virustomycin A. Omura S, et al. **J Antibiot (Tokyo)** 1983 Dec;36(12):1783-6

In vitro activity of U-57930E against anaerobic bacteria and its comparison with clindamycin, ampicillin, carbenicillin and tetracycline. Qadri SM, et al. **J Antibiot (Tokyo)** 1983 Jan;36(1):42-6

The revised structure of bottromycin A2. Schipper D. **J Antibiot (Tokyo)** 1983 Aug;36(8):1076-7

Studies on the biosynthesis of pentalenolactone VI. The X-ray crystal structure investigation of pentalenolactone G and structural revision of pentalenolactone F. Seto H, et al. **J Antibiot (Tokyo)** 1984 Jul;37(7):816-7

Structure of FA-2097, a new member of the dioxopiperazine antibiotics. Yokose K, et al. **J Antibiot (Tokyo)** 1984 Jun; 37(6):667-9

Structures of OA-6129D and E, new carbapenam antibiotics. Yoshioka T, et al. **J Antibiot (Tokyo)** 1984 Mar;37(3):211-7

Computer-assisted determination of antibiotic susceptibility in photometer-read microtiter plates. Turner A, et al. **J Clin Microbiol** 1983 Oct;18(4):996-8

Novel amino-substituted 3-quinolinecarboxylic acid antibacterial agents: synthesis and structure-activity relationships. Wentland MP, et al. **J Med Chem** 1984 Sep; 27(9):1103-8

Crystallization and preliminary X-ray diffraction results of trichorzianine A I, a peptide with nineteen residues from Trichoderma harzianum. Bachet B, et al. **J Mol Biol** 1983 Nov 5;170(3):795-6

Tunicamycins, streptovirudins, and corynetoxins, a special subclass of nucleoside antibiotics. Eckardt K. **J Nat Prod** 1983 Jul-Aug;46(4):544-50

Design and construction of a dedicated clinical supply facility: an example of effective project management. Rothrock C. **J Parenter Sci Technol** 1983 Sep-Oct; 37(5):186-90

Unprescribed use of antibiotics in common childhood infections. Cunningham DG, et al. **J Pediatr** 1983 Nov; 103(5):747-9

Allium sativum (garlic)--a natural antibiotic. Adetumbi MA, et al. **Med Hypotheses** 1983 Nov;12(3):227-37 (56 ref.)

Antibiotic advertising campaign [letter] Berbatis CG, et al. **Med J Aust** 1984 Feb 18;140(4):245-6

Use and abuse of antibiotics [letter] Wooller HO. **Med J Aust** 1984 Mar 17;140(6):382

Determination of microbial damage caused by oxygen free radicals, and the protective role of superoxide dismutase. Hassan HM. **Methods Enzymol** 1984;105:404-12

Antimicrobial activity of myeloperoxidase. Klebanoff SJ, et al. **Methods Enzymol** 1984;105:399-403

Nuclear magnetic resonance studies on the antibiotic avoparcin, Conformational properties in relation to antibacterial activity. Fesik SW, et al. **Mol Pharmacol** 1984 Mar;25(2):275-80

Nuclear magnetic resonance studies on the interaction of avoparcin with model receptors of bacterial cell walls. Fesik SW, et al. **Mol Pharmacol** 1984 Mar;25(2):281-6

The solvation contribution to the binding energy of DNA with non-intercalating antibiotics. Zakrzewska K, et al. **Nucleic Acids Res** 1984 Aug 24;12(16):6559-74

Antipyretic and antibacterial actions of Teucrium polium (L.). Autore G, et al. **Pharmacol Res Commun** 1984 Jan; 16(1):21-9

Antibiotics: the medium is the message [letter] Musher DM. **Rev Infect Dis** 1983 Jul-Aug;5(4):809-12

Abuse of antibiotics by abusers of parenteral heroin or cocaine. Novick DM, et al. **South Med J** 1984 Mar; 77(3):302-3

The Swann report in the 1980s. Lloyd-Evans LP. **Vet Res Commun** 1983 Dec;7(1-4):101-5

[Field desorption mass spectrometry. II. Aminoglycosides] Wang CH, et al. **Yao Hsueh Hsueh Pao** 1983 May; 18(5):378-83 (Eng. Abstr.) **(Chi)**

[Antibacterial substances in urine and cerebral spinal fluid] Siegmund I. **Z Arztl Fortbild (Jena)** 1984;78(13):543-4 **(Ger)**

[Possibilities and prospects of immunoprophylaxis and immunotherapy of pyocyanic infections under supervision of these infections using epidemiological markers] Meitert E, et al. **Rev Ig [Pneumoftiziol]** 1983 Oct-Dec; 32(4):289-302 (29 ref.) **(Rum)**

[Identification of antibiotics 1072A and 1072B as antibiotics of the toromycin group] Frolova VI, et al. **Antibiotiki** 1984 May;29(5):329-32 (Eng. Abstr.) **(Rus)**

[Use of antibiotics in primary care in Barcelona] Drobnic L, et al. **Med Clin (Barc)** 1984 Apr 7;82(13):567-71 (Eng. Abstr.) **(Spa)**

[The Scandinavian pharmaceutical statistics show noteworthy differences in the sale of antibiotics and psychopharmaceuticals in Scandinavia] Sjöblom T, et al. **Nord Med** 1984;99(5):132-5 (Eng. Abstr.) **(Swe)**

ADMINISTRATION & DOSAGE

Environment and costs in surgical intensive care unit. The implication of selective decontamination of the digestive tract (SDD). Miranda DR, et al. **Acta Anaesthesiol Belg** 1983 Sep;34(3):223-32

A new technique of infection prevention in the intensive care unit by selective decontamination of the digestive tract. Stoutenbeek CP, et al. **Acta Anaesthesiol Belg** 1983 Sep; 34(3):209-21

Statistical error [letter] Lorin M, et al. **Am J Dis Child** 1984 Feb;138(2):206-7

Antibiotic preparation time in a horizontal laminar-airflow hood and in a biological-safety cabinet. Hamm JL, et al. **Am J Hosp Pharm** 1984 Jul;41(7):1349-51

Aminoglycoside dosing service provided by baccalaureate-level pharmacists. Moore RA, et al. **Am J Hosp Pharm** 1984 Jan;41(1):98-105

Unit dose packaging for ophthalmic ointments [letter] Wyatt BK. **Am J Hosp Pharm** 1984 Apr;41(4):654-5

Antibiotic therapy at home. May C. **Am J Nurs** 1984 Mar; 84(3):348-9

Combined topical and systemic antibiotic prophylaxis in experimental wound infection. Bergamini TM, et al. **Am J Surg** 1984 Jun;147(6):753-6

Antimicrobial prophylaxis in elective colon surgery. Experience of 1,035 operations in a community hospital. Peck JJ, et al. **Am J Surg** 1984 May;147(5):633-7

Combined topical and systemic antibiotic prophylaxis in surgical wound infection [editorial] Pollock AV. **Am J Surg** 1984 Jun;147(6):838-9

Antimicrobial monotherapy: a 1984 phoenix [editorial] Sanford JP. **Ann Intern Med** 1984 Oct;101(4):557-8

Prospective randomized trial of piperacillin monotherapy versus carboxypenicillin-aminoglycoside combination regimens in the empirical treatment of serious bacterial infections. Gribble MJ, et al. **Antimicrob Agents Chemother** 1983 Sep;24(3):388-93

Oral or parenteral antibiotic treatment in serious infections. Symonds J. **Arch Dis Child** 1984 Jun;59(6):501-3

Antibiotic cover for endocarditis [letter] Cawson RA. **Br Dent J** 1983 Oct 22;155(8):257

Endodontic treatment [letter] Seymour MS. **Br Dent J** 1983 Jul 9;155(1):5

Two dose Augmentin treatment of acute gonorrhoea in men. Lim KB, et al. **Br J Vener Dis** 1984 Jun;60(3):161-3

Staphylococcus aureus bacteremia [letter] Finch R. **Br Med J [Clin Res]** 1984 Apr 21;288(6425):1236

Prophylactic antibiotics during cesarean section: an overview of prior clinical investigations. Rayburn WF. **Clin Perinatol** 1983 Jun;10(2):461-72 (48 ref.)

Restricted use of antibiotics in Black Lion Hospital [letter] Gedebou M. **Ethiop Med J** 1984 Jan;22(1):71-2

The effect of selective decontamination of the digestive tract on colonisation and infection rate in multiple trauma patients. Stoutenbeek CP, et al. **Intensive Care Med** 1984; 10(4):185-92

Prophylactic antibiotics. Control of implant contamination. Hunter WN, et al. **J Am Podiatry Assoc** 1984 Jun; 74(6):284-90

A randomized study comparing clinical efficacy and safety of thienamycin formamidine (MK0787)/renal dipeptidase inhibitor (MK0791) and cefazolin. Ribner BS, et al. **J Antimicrob Chemother** 1983 Oct;12(4):387-91

Is pre-operative intra-incisional intra-parietal injection of antibiotics the ideal mode of administration as prophylaxis in abdominal surgery? Tanner AG. **J Antimicrob Chemother** 1984 Apr;13(4):305-8 (25 ref.)

Administration of antibiotics in combination. The antibacterial activity of blood serum and urine after a simultaneous administration of aminoglycosides and ampicillin. Janovská D, et al. **J Hyg Epidemiol Microbiol Immunol** 1984;28(1):33-9

875 cases of bacterial meningitis: diagnostic procedures and the impact of preadmission antibiotic therapy. Part III of a three-part series. Bohr V, et al. **J Infect** 1983 Nov; 7(3):193-202

Antibiotic-impregnated beads in orthopedic infectious problems. Seligson D. **J Ky Med Assoc** 1984 Jan;82(1):25-9

Prevention of dry socket [letter] Whinery JG. **J Oral Maxillofac Surg** 1984 Feb;42(2):73

Dental responsibility for the medically compromised patient. Fay JT, et al. **J Oral Med** 1984 Jan-Mar;39(1):12-21

Antibiotic therapy in pediatric dentistry: a survey. Schuman NJ, et al. **J Oral Med** 1983 Jul-Sep;38(3):123-6

Intravenous antibiotics, avoiding complications. Smith RA, et al. **J Oral Med** 1984 Jan-Mar;39(1):22-32

Compatibility of several antibiotics or hydrocortisone when added to metronidazole solution for intravenous infusion. Bisaillon S, et al. **J Parenter Sci Technol** 1983 Jul-Aug; 37(4):129-32

Use of antibiotics and psychoactive preparations. Keele G, et al. **J R Coll Gen Pract** 1983 Oct;33(255):621-7

Continual postoperative antibiotic peritoneal lavage in diffuse peritonitis complicating cesarean section. Rivlin ME, et al. **J Reprod Med** 1984 Mar;29(3):173-8

Open window thoracostomy in the management of postpneumonectomy empyema with or without bronchopleural fistula. Shamji FM, et al. **J Thorac Cardiovasc Surg** 1983 Dec;86(6):818-22

Apparent failures of endocarditis prophylaxis. Analysis of 52 cases submitted to a national registry. Durack DT, et al. **JAMA** 1983 Nov 4;250(17):2318-22

Use of prophylactic antibiotics by drug abusers [letter] Schaffer SR, et al. **JAMA** 1984 Sep 21;252(11):1410

Intramuscular or intravenous antibiotics? [editorial] **Lancet** 1984 Mar 24;1(8378):660-2

Intramuscular antibiotics for children? [letter] **Lancet** 1984 Apr 21;1(8382):911

Endocarditis prophylaxis [letter] **Lancet** 1984 May 12; 1(8385):1074-5

Intramuscular or intravenous antibiotics? [letter] **Lancet** 1984 May 19;1(8386):1129-30

Infective endocarditis [letter] George RH, et al. **Lancet** 1984 May 5;1(8384):1018

Chemoprophylaxis for endocarditis [letter] Gould IM. **Lancet** 1984 Apr 7;1(8380):802-3

Bronchoscopy, a risk factor for infective endocarditis [letter] Lewis LD, et al. **Lancet** 1984 Jun 16;1(8390):1353

Prevention of infective endocarditis in dental care: not by antibiotics alone [letter] Tzukert A, et al. **Lancet** 1984 May 26;1(8387):1190-1

Self-administered home intravenous antibiotic therapy in bronchiectasis and adult cystic fibrosis. Winter RJ, et al. **Lancet** 1984 Jun 16;1(8390):1338-9

Otorhinological brain abscess therapy--past and present. Brand B, et al. **Laryngoscope** 1984 Apr;94(4):483-7

Use of antibiotic agents in a large teaching hospital [letter] Williams AJ. **Med J Aust** 1983 Dec 10-24;2(12):603

Nebulization for avian respiratory disease. Miller TA. **Mod Vet Pract** 1984 Apr;65(4):309-11

Playing antibiotic pool: to tally the score [editorial] Levy SB. **N Engl J Med** 1984 Sep 6;311(10):663-5

Implementation of a computer assisted drug monitoring program in a community hospital. Boon SE, et al. **Nebr Med J** 1983 Oct;68(10):334-7

Are we overusing antibiotics? [editorial] Holyoke EA Jr. **Nebr Med J** 1983 Aug;68(8):249

Antimicrobial prescribing [letter] **NZ Med J** 1984 Jan 11; 97(747):21-2

Antimicrobial prescribing errors in children. Grimwood K, et al. **NZ Med J** 1983 Oct 26;96(742):785-7

Antibiotic prescribing [letter] Hudson J. **NZ Med J** 1983 Nov 23;96(744):987-8

Antibiotic prescribing errors: are the services of the microbiology laboratory being properly utilised? [letter] Smith JM, et al. **NZ Med J** 1984 Apr 11;97(753):240-1

Antimicrobial prophylaxis in pediatric surgical patients. American Academy of Pediatrics. Committee on infectious diseases, committee on drugs and section on surgery. **Pediatrics** 1984 Sep;74(3):437-9

Antibiotics for intraabdominal sepsis. Selection of an effective combination. Bubrick MP. **Postgrad Med** 1984 Jun; 75(8):237-9, 242-3

Effect of Lactobacillus inoculation and antibiotic feeding of chickens on availability of dietary biotin. Buenrostro JL, et al. **Poult Sci** 1983 Oct;62(10):2022-9

Selective decontamination of alimentary tract microbial flora in patients treated with bone marrow transplantation. A microbiological study. Heimdahl A, et al. **Scand J Infect Dis** 1984;16(1):51-60

Patterns of antimicrobial therapy for pediatric patients. Kjellman B, et al. **Scand J Infect Dis** 1984;16(1):103-9

Antimicrobial prophylaxis of infections in head and neck cancer surgery. Piccart M, et al. **Scand J Infect Dis [Suppl]** 1983;39:92-6

Rational basis for the choice of regimens for empirical therapy of sepsis in granulocytopenic patients. A report of the EORTC International Antimicrobial Therapy Project Group. Gaya H. **Schweiz Med Wochenschr [Suppl]** 1983;14:49-57

Low morbidity and mortality from infection in neutropenic patients, a possible result of multiple measures of infection prevention. Grob JP, et al. **Schweiz Med Wochenschr [Suppl]** 1983;14:70-5

Antibiotic combinations for the empiric treatment of the febrile neutropenic patient. Walsh TJ, et al. **Schweiz Med Wochenschr [Suppl]** 1983;14:58-63

Prophylaxis of bacterial infections with oral antibiotics in neutropenic patients. Lessons from the last two EORTC trials and prospects for the future. Zinner SH. **Schweiz Med Wochenschr [Suppl]** 1983;14:7-14

Short-course parenteral antibiotic therapy for pyelonephritis in pregnancy. Faro S, et al. **South Med J** 1984 Apr; 77(4):455-7

Systemic antibiotic therapy in surgical patients. Geelhoed GW, et al. **South Med J** 1984 Mar;77(3):355-9 (33 ref.)

Oral is superior to systemic antibiotic prophylaxis in operations upon the colon and rectum. Figueras-Felip J, et al. **Surg Gynecol Obstet** 1984 Apr;158(4):359–62
Intraoperative antibiotic wound irrigation. Lord JW Jr. **Surg Gynecol Obstet** 1983 Oct;157(4):357–61
Perioperative infection prophylaxis in vascular surgery—a randomized prospective study. Salzmann G. **Thorac Cardiovasc Surg** 1983 Aug;31(4):239–42
Use of antibiotics [letter] Smith HW. **Vet Rec** 1984 Feb 18; 114(7):174
[Bacteriologic management of patients with decreased resistance] Hendriks WD, et al. **Ned Tijdschr Geneeskd** 1984 Feb 18;128(7):305–10 (55 ref.) **(Dut)**
[Topical antibiotics in acne?] van der Meeren HL, et al. **Ned Tijdschr Geneeskd** 1984 Jul 7;128(27):1281–4 (52 ref.) **(Dut)**
[Use and limitations of antibiotics] van Sluijs FJ. **Tijdschr Diergeneeskd** 1984 Jan 1;109(1):16–9 (Eng. Abstr.) **(Dut)**
[Role of corticoid–antibiotic combinations in local treatments. Critical study] Revuz J, et al. **Ann Dermatol Venereol** 1983;110(12):1007–10 (15 ref.) (Eng. Abstr.) **(Fre)**
[Results of a comparative therapeutic trial of single-dose treatment of non-complicated acute male gonorrhea] Ancelle R, et al. **Pathol Biol (Paris)** 1983 May;31(5):419–24 (Eng. Abstr.) **(Fre)**
[Primacy of medical treatment of cerebral abscesses (19 cases)] Petit H, et al. **Rev Neurol (Paris)** 1983; 139(10):575–81 (Eng. Abstr.) **(Fre)**
[Antibiotic- containing implants with a polymethacrylate base. 2. Relation between drug solubility, particle size and liberation] Dittgen M, et al. **Pharmazie** 1984 Jan;39(1):70 **(Ger)**
[Antibiotic implants with a polymethacrylate base. 1. Relationship of adjuvants concentration and drug diffusion] Dittgen M, et al. **Pharmazie** 1983 Sep;38(9):629 **(Ger)**
[Treatment possibilities and treatment results in pneumoconioses] Ulmer WT. **Schweiz Med Wochenschr [Suppl]** 1983;15:47–50 (Eng. Abstr.) **(Ger)**
[Oral administration of antibiotics] Berger H, et al. **Wien Med Wochenschr** 1983;133 Suppl 1:10–7 **(Ger)**
[Antibiotic treatment—old and new] Raz R, et al. **Harefuah** 1983 Mar 1;104(5):211–3 **(Heb)**
[Antibiotic prophylaxis in transrectal prostatic needle-biopsy] Bonatti PL, et al. **Minerva Urol** 1983 Jul–Sep;35(3):205–8 (Eng. Abstr.) **(Ita)**
[Aerosol administration in antibiotic therapy of cystic fibrosis] Battistini A, et al. **Pediatr Med Chir** 1983 Jul–Aug; 5(4):161–9 (Eng. Abstr.) **(Ita)**
[Clinical studies on combination chemotherapy with fosfomycin and dibekacin in complicated urinary tract infection] Amano M, et al. **Hinyokika Kiyo** 1983 Aug; 29(8):947–52 (Eng. Abstr.) **(Jpn)**
[Comparative study on intravenous drip infusion of dibekacin once daily and twice daily in treatment of complicated urinary tract infections] Kishi H, et al. **Hinyokika Kiyo** 1984 Jan;30(1):103–20 (Eng. Abstr.) **(Jpn)**
[Clinical studies of intravenous drip infusion of micronomicin. Internal field infections] Ikemoto H. **Jpn J Antibiot** 1984 Jan;37(1):111–21 (Eng. Abstr.) **(Jpn)**
[Pharmacokinetic studies on micronomicin in dogs. Comparison of intramuscular and drip intravenous administration models] Inoue A, et al. **Jpn J Antibiot** 1983 Nov;36(11):3262–7 (Eng. Abstr.) **(Jpn)**
[Clinical studies of intravenous drip infusion of micronomicin. Urinary tract infections] Kawamura N. **Jpn J Antibiot** 1984 Jan;37(1):122–35 (Eng. Abstr.) **(Jpn)**
[Clinical study on drip infusion of micronomicin in the fields of surgery and gynecology] Kikuchi K, et al. **Jpn J Antibiot** 1983 Nov;36(11):3312–20 (Eng. Abstr.) **(Jpn)**
[Clinical study on intravenous infusion of micronomicin] Okada K, et al. **Jpn J Antibiot** 1983 Nov;36(11):3302–11 (Eng. Abstr.) **(Jpn)**
[Therapeutic effects of micronomicin on experimental infections in mice by intravenous administration] Sato K, et al. **Jpn J Antibiot** 1983 Nov;36(11):3277–82 (Eng. Abstr.) **(Jpn)**
[Pharmacokinetic studies of micronomicin using a continuous intravenous infusion method] Yamasaku F. **Jpn J Antibiot** 1983 Nov;36(11):3283–90 (Eng. Abstr.) **(Jpn)**
[Combined effect of intravenous human immunoglobulin (GV-523) and antibiotics in severe infections in the fields of internal medicine and surgery] Mashimo K. **Kansenshogaku Zasshi** 1983 Aug;57(8):724–49 (Eng. Abstr.) **(Jpn)**
[A case of brain abscess treatment with a long-term administration of antibiotics] Satoh A, et al. **Nippon Naika Gakkai Zasshi** 1984 Jan;73(1):39–42 **(Jpn)**
[Antibiotics in the treatment of osteomyelitis] Zawadziński S. **Chir Narzadow Ruchu Ortop Pol** 1982;47(5–6):399–403 (Eng. Abstr.) **(Pol)**
[Intermittent antimicrobial therapy in septicemias. Comparative study in 132 cases] Căruntu F, et al. **Rev Med Interna [Med Interna]** 1982 May–Jun;34(3):267–74 (Eng. Abstr.) **(Rum)**
[Etiologic aspects of puerperal endometritis and its etiotropic treatment] Emel'ianova AI, et al. **Akush Ginekol (Mosk)** 1983 Dec;(12):62–4 (Eng. Abstr.) **(Rus)**
[Effective antibiotic therapy in multimodal treatment of patients with chronic nonspecific endometritis] Medvedev BI, et al. **Akush Ginekol (Mosk)** 1984 May;(5):42–4 (Eng. Abstr.) **(Rus)**
[Chemotherapeutic effectiveness of antibiotics in combination with papain in experimental septicemia] Baskanchiladze GSh, et al. **Antibiotiki** 1984 Jan;29(1):33–5 (Eng. Abstr.) **(Rus)**
[Potentiation of the antimicrobial action of antibiotics in combination with oxytocin] Bukharin OV, et al. **Antibiotiki** 1984 May;29(5):365–9 (Eng. Abstr.) **(Rus)**
[Antibacterial therapy of peritonitis] Tsatsanidi KN, et al. **Antibiotiki** 1984 Apr;29(4):291–5 (Eng. Abstr.) **(Rus)**
[Biocompatible biodestructible polyurethanes with antibacterial action] Chuprina LN, et al. **Klin Khir** 1984 Jan;(1):33–6 (Eng. Abstr.) **(Rus)**
[Local use of antibacterial agents with dimexide in the combined prophylaxis of purulent complications of open wounds of the hand] Fil' IuIa, et al. **Klin Khir** 1984 Jan; (1):49–52 (Eng. Abstr.) **(Rus)**
[Endolymphatic administration of antibiotics in the combined treatment of peritonitis] Mil'kov BO, et al. **Klin Khir** 1984 Jan;(1):20–2 (Eng. Abstr.) **(Rus)**
[Aerosol therapy in the complex preparation of patients with tuberculosis and nonspecific inflammatory diseases of the lungs for surgical treatment] Protsiuk RG. **Probl Tuberk** 1984 Feb;(2):51–5 (Eng. Abstr.) **(Rus)**
[Antibiotic therapy in the prevention of postoperative infectious complications] Lukomskiĭ GI, et al. **Sov Med** 1984;(3):95–6 **(Rus)**
[Clinical effectiveness and morphological basis for using the transthoracic intrapulmonary method of antibiotic administration by jet and syringe injectors for treating acute pneumonias] Provotorov VM, et al. **Ter Arkh** 1984; 56(3):115–8 (Eng. Abstr.) **(Rus)**
[Prolonged intra-arterial infusions of antibiotics and plastic operations in the treatment of severe injuries of the extremities complicated by infection] Kazarezov MV, et al. **Vestn Khir** 1983 Sep;131(9):90–4 (Eng. Abstr.) **(Rus)**
[Intra-arterial infusion in the treatment of severe injuries and suppurative-inflammatory processes in the upper limb] Radushkevich VL, et al. **Vestn Khir** 1984 May;132(5):78–80 (Eng. Abstr.) **(Rus)**
[Combined effect of propolis and different antibiotics on Staphylococci] Sytnik IA, et al. **Vestn Otorinolaringol** 1983 Nov–Dec;(6):47–50 (Eng. Abstr.) **(Rus)**
[Use of semisynthetic penicillins and ceporin in neurosurgery] Podkolzin IuN, et al. **Voen Med Zh** 1983 Nov;(11):31–3 **(Rus)**
[Penetration of antibiotics into prostatic secretion during rectal iontophoresis in patients with chronic nonspecific prostatitis] Karpukhin IV. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 Sep–Oct;(5):50–2 **(Rus)**
[Reports on side effects of drugs based on questionnaires] **Lakartidningen** 1984 Feb 8;81(6):429–30 **(Swe)**

ADVERSE EFFECTS

Autopsy study of pseudomembranous colitis. Characteristics of the affected population and antibiotics involved. Pesce CM, et al. **Acta Gastroenterol Belg** 1984 Jan–Feb; 47(1):58–63
Clostridium difficile in young children. Association with antibiotic usage. Vesikari T, et al. **Acta Paediatr Scand** 1984 Jan;73(1):86–91
Clinical teratology. McCormack MK. **Am Fam Physician** 1983 Dec;28(6):153–61
Impact of antimicrobial agents on the gastrointestinal microflora and the risk of infections. Nord CE, et al. **Am J Med** 1984 May 15;76(5A):99–106 (29 ref.)
Detection of aminoglycoside ototoxicity by high-frequency auditory evaluation: selected case studies. Fausti SA, et al. **Am J Otolaryngol** 1984 May–Jun;5(3):177–82
Clostridium difficile colitis in surgical patients. Rosenberg JM, et al. **Am J Surg** 1984 Apr;147(4):486–91
Antibiotic-associated colitis due to Clostridium difficile in a Kodiak bear. Orchard JL, et al. **Am J Vet Res** 1983 Aug; 44(8):1547–8
Drug use in pregnancy. Whipkey RR, et al. **Ann Emerg Med** 1984 May;13(5):346–54 (98 ref.)
Liver disease, creatinine clearance, and aminoglycoside nephrotoxicity [letter] Finn WF, et al. **Ann Intern Med** 1984 Aug;101(2):277–8
Risk factors for nephrotoxicity in patients treated with aminoglycosides. Moore RD, et al. **Ann Intern Med** 1984 Mar;100(3):352–7
Aminoglycoside nephrotoxicity and creatinine clearance [letter] Moss AH, et al. **Ann Intern Med** 1984 Jul; 101(1):143–4
Does incubator noise increase risks of aminoglycoside ototoxicity? Bernard PA, et al. **Audiology** 1984;23(3):309–20
Bilateral cortical cataracts in sows. Cargill CF, et al. **Aust Vet J** 1983 Oct;60(10):312–3
Additive toxicity in patients receiving vancomycin and aminoglycosides [letter] Rybak MJ, et al. **Clin Pharm** 1983 Nov–Dec;2(6):508
Contact sensitivity to antibiotics. Rudzki E, et al. **Contact Dermatitis** 1984 Jul;11(1):41–2
Lack of aminoglycoside-induced nephrotoxicity in cystic fibrosis [letter] Schofield DH, et al. **Drug Intell Clin Pharm** 1984 Feb;18(2):153–5
Adverse effects of antibiotics. Cunha BA, et al. **Heart Lung** 1984 Sep;13(5):465–72
Drug eruptions: an up to date survey. Kauppinen K. **Indian J Pediatr** 1983 Sep–Oct;50(406):541–4
Urinary alanine aminopeptidase and beta 2-microglobulin as measurements of aminoglycoside-associated renal impairment. Trollfors B, et al. **Infection** 1984 Jan–Feb; 12(1):20–2
Ototoxicity of aminoglucoside antibiotics in long-term treatment for cystic fibrosis. Crifo S, et al. **Int J Pediatr Otorhinolaryngol** 1980 Sep;2(3):251–3
Aminoglycoside toxicity – a review of clinical studies published between 1975 and 1982. Kahlmeter G, et al. **J Antimicrob Chemother** 1984 Jan;13 Suppl A:9–22 (140 ref.)
Clinical significance of renal changes engendered by aminoglycosides in man. Luft FC. **J Antimicrob Chemother** 1984 Jan;13 Suppl A:23–30 (30 ref.)
Recent otological evaluation of aminoglycoside antibiotics. Wersäll J. **J Antimicrob Chemother** 1984 Jan;13 Suppl A:31–6 (22 ref.)
Specificity of renal tubular damage criteria for aminoglycoside nephrotoxicity in critically ill patients. Schentag JJ. **J Clin Pharmacol** 1983 Oct;23(10):473–83
Medical practice and limitations of ear drops. Patil BB. **J Indian Med Assoc** 1983 Oct;81(7–8):127–8
Hypoprothrombinemia in febrile, neutropenic patients with cancer: association with antimicrobial suppression of intestinal microflora. Conly JM, et al. **J Infect Dis** 1984 Aug;150(2):202–12
Epidemiology of colitis induced by Clostridium difficile in hamsters: application of a bacteriophage and bacteriocin typing system. Hawkins CC, et al. **J Infect Dis** 1984 May; 149(5):775–80
Coagulopathy associated with broad spectrum antibiotic therapy. Lee AW, et al. **J Ky Med Assoc** 1984 Mar; 82(3):125–6
Immunochemical fingerprinting of Clostridium difficile strains isolated from an outbreak of antibiotic-associated colitis and diarrhoea. Poxton IR, et al. **J Med Microbiol** 1984 Jun;17(3):317–24
Nephrotoxicity associated with vancomycin–aminoglycoside therapy in four children. Odio C, et al. **J Pediatr** 1984 Sep; 105(3):491–3
Enterotoxigenic Clostridium perfringens: a possible cause of antibiotic-associated diarrhoea. Borriello SP, et al. **Lancet** 1984 Feb 11;1(8372):305–7
Antibiotic agents and coagulation. Roeser P. **Med J Aust** 1984 Jul 21;141(2):77
Side effects and toxicity of antimicrobial agents and development of resistant bacteria to drugs. Peter G. **Pediatr Ann** 1984 May;13(5):370–6
Lack of relationship of Clostridium difficile to antibiotic-associated diarrhea in children. Elstner CL, et al. **Pediatr Infect Dis** 1983 Sep–Oct;2(5):364–6
Treatment of antibiotic-associated pseudomembranous colitis. Bartlett JG. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl 1:S235–41
Antimicrobial agent–associated colitis and diarrhea: historical background and clinical aspects. George WL. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl 1:S208–13 (41 ref.)
Inciting and etiologic agents of colitis. Silva J, et al. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl 1:S214–21
Functional and morphological pathology of vestibular end organs. Anniko M. **Rev Laryngol Otol Rhinol (Bord)** 1984; 105(2 Suppl):205–17 (88 ref.)
Antibiotic-associated colitis. Frøland SS. **Scand J Gastroenterol [Suppl]** 1983;85:74–82 (25 ref.)
Antibiotics and animal feed: a smoking gun [news] Sun M. **Science** 1984 Sep 21;225(4668):1375
Fifty-six year old Caucasian female with infection of knee and acute renal failure [clinical conference] Ulrich RC, et al. **SD J Med** 1983 Nov;36(11):5–8
Hypomagnesemia is a common complication of aminoglycoside therapy. Zaloga GP, et al. **Surg Gynecol Obstet** 1984 Jun;158(6):561–5
Prolonged excretion of antibiotics [letter] Milligan WA. **Vet Rec** 1984 Jul 14;115(2):46
Antibiotic-associated colitis [editorial] Silva J Jr. **West J Med** 1984 Feb;140(2):275–6
Antibiotic-associated colitis. Stergachis A, et al. **West J Med** 1984 Feb;140(2):217–9
[Colitis caused by Clostridium difficile not associated with antibiotic therapy] Van Gossum A, et al. **Acta Gastroenterol Belg** 1984 Jan–Feb;47(1):55–7 (Eng. Abstr.) **(Fre)**
[Toxicity of the intrathecal administration of aminoglycosides. 3 cases of paraplegia] Morcamp D, et al. **Agressologie** 1983 Apr;24(5):187–9 (Eng. Abstr.) **(Fre)**
[Ototoxic antibiotics (mechanisms of ototoxicity—guidelines for prescription)] Amsallem P, et al. **LARC Med** 1983 Nov; 3(9):646–8 (Eng. Abstr.) **(Fre)**
[Antibiotics-induced disorders of hemostasis and hemorrhagic diatheses] Duda D, et al. **Dtsch Med Wochenschr** 1984 Mar 9;109(10):388–92 (31 ref.) **(Ger)**
[Iatrogenic and environmentally-induced hearing disorders in advanced age] Albegger K. **Fortschr Med** 1984 Mar 15; 102(10):247–51 (Eng. Abstr.) **(Ger)**
[Topically induced ototoxicity] Federspil P. **HNO** 1984 Feb; 32(2):81–3 (Eng. Abstr.) **(Ger)**
[Clostridium difficile and antibiotic-associated colitis in risk

patients: 2-month epidemiologic study in an intensive care unit] Loeschke K, et al. **Klin Wochenschr** 1983 Nov 2; 61(21):1081-7 (Eng. Abstr.) **(Ger)**

[Damage caused by antibiotics and chemotherapeutic agents] Tauchnitz C, et al. **Z Gesamte Inn Med** 1983 Dec 15; 38(24):653-9 (Eng. Abstr.) **(Ger)**

[Pseudomembranous rectocolitis caused by antibiotics (case report)] Di Piazza V. **G Clin Med** 1984 May-Jun; 65(5-6):269-76 (Eng. Abstr.) **(Ita)**

[Ototoxicity of micronomicin sulfate--audiometric assessment] Hohzawa K, et al. **Jpn J Antibiot** 1983 Oct; 36(10):2921-4 (Eng. Abstr.) **(Jpn)**

[Bronchospasm caused by intrabronchial injection of antibiotics and its prevention by hydrocortisone and salbutamol hemisulfate] Noguchi Y, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Apr;21(4):321-6 (Eng. Abstr.) **(Jpn)**

[Antibiotics and vitamin K deficiency] Inamatsu T, et al. **Nippon Ronen Igakkai Zasshi** 1983 Mar;20(2):133-7 **(Jpn)**

[Urinary enzyme determination and its clinical significance. C. Enzyme derived from the kidney tubular epithelium--N-acetyl-beta-D-glucosaminidase. 10. Clinical significance of urinary NAG activity in patients with kidney diseases, with special reference to nephrotic syndrome and antibiotic treatment] Ishimoto F, et al. **Rinsho Byori** 1983 Sep;Spec No 56:147-59 **(Jpn)**

[Effect of antibiotics on morphological structure of the small-intestinal mucosa in children] Wąsowska-Królikowska K, et al. **Pediatr Pol** 1983 Jul; 58(7):637-41 (Eng. Abstr.) **(Pol)**

[Is it possible to avoid undesirable, harmful side effects in the use of antibacterial antibiotics?] **Przegl Lek** 1983; 40(11):827-8 **(Pol)**

[Mechanism of the nephrotoxic action of aminoglycoside antibiotics] Sigulia EE. **Klin Med (Mosk)** 1983 Oct; 61(10):18-9 **(Rus)**

[Nucleic acid content of the blood of patients with pulmonary tuberculosis as a function of the adverse effects of antibacterial preparations] Khaiutina ES. **Probl Tuberk** 1983 Nov;(11):45-9 (Eng. Abstr.) **(Rus)**

[Morphological changes in the sensory epithelium and nerve elements of the guinea pig cochlea as affected by aminoglycoside antibiotics] Neschetnaia LB, et al. **Vestn Otorinolaringol** 1984 May-Jun;(3):16-22 (Eng. Abstr.) **(Rus)**

[Drugs and myasthenia gravis] Jusić A. **Lijec Vjesn** 1984 Jan; 106(1):42-3 **(Scr)**

[Prolonged neuromuscular paralysis following simultaneous administration of amikacin and pancuronium] Castillo Monsegur J, et al. **Rev Esp Anestesiol Reanim** 1984 Jan-Feb;31(1):30-3 (Eng. Abstr.) **(Spa)**

ANALYSIS

Determination of aminoglycosides in rat renal tissue by enzyme immunoassay. Provoost AP, et al. **Antimicrob Agents Chemother** 1984 Apr;25(4):497-8

Antibiotic residues in milk. Booth J. **In Pract** 1982 Jul; 4(4):100, 102-3, 105, 107-9

Penitricin, a new class of antibiotic produced by Penicillium aculeatum. III. Structural confirmation by chemical synthesis and biological activity. Okuda T, et al. **J Antibiot (Tokyo)** 1984 Jul;37(7):723-7

Special techniques of fast atom bombardment mass spectrometry for the study of oligosaccharide containing macrotetronolide antibiotic, kijanimicin. Pramanik BN, et al. **J Antibiot (Tokyo)** 1984 Jul;37(7):818-21

A note on inhibition test and electrophoretic detection limits of antibiotics used in British animal husbandry. Bates ML, et al. **J Appl Bacteriol** 1983 Dec;55(3):495-8

A new rapid and sensitive bioluminescence assay for antibiotics that inhibit protein synthesis. Naveh A, et al. **J Appl Bacteriol** 1984 Jun;56(3):457-63

Pad-plate diffusion assay for virginiamycin in mash-type feeds. Katz SE, et al. **J Assoc Off Anal Chem** 1984 May-Jun;67(3):569-72

High-performance liquid chromatographic methods for antibiotics admixed with intravenous infusates. Athanikar NK, et al. **J Parenter Sci Technol** 1983 Jul-Aug;37(4):125-8

Quantitation of amikacin, kanamycin, neomycin, and tobramycin in pharmaceutical dosage forms using the Hantzsch reaction. Gupta VD, et al. **J Pharm Sci** 1983 Dec;72(12):1470-1

An experimental model to determine the level of antibiotics in irradiated tissues. Cruz NI, et al. **Plast Reconstr Surg** 1984 May;73(5):811-7

[Photometric analysis of aminoglycosides antibiotics] Alykov NM. **Antibiotiki** 1984 May;29(5):336-8 (Eng. Abstr.) **(Rus)**

[Determination of several antibiotics using voltamperometry at the interface of nitrobenzene and water] Koryta I, et al. **Antibiotiki** 1983 Nov;28(11):810-4 (Eng. Abstr.) **(Rus)**

[Methods of determining antibiotic levels in body fluids. Review] Ploczeková C. **Cesk Epidemiol Mikrobiol Imunol** 1983 Sep;32(5):295-304 (Eng. Abstr.) **(Slo)**

ANTAGONISTS & INHIBITORS

Effect of chlorination on antibiotic resistance profiles of sewage-related bacteria. Murray GE, et al. **Appl Environ Microbiol** 1984 Jul;48(1):73-7

Comparative study of the ability of four aminoglycoside assay techniques to detect the inactivation of aminoglycosides by beta-lactam antibiotics. Pfaller MA, et al. **Diagn Microbiol Infect Dis** 1984 Apr;2(2):93-100

[Can fosfomycin reduce the nephrotoxicity of aminoglycosides?] Morin JP, et al. **Pathol Biol (Paris)** 1984 May;32(5):338-42 (Eng. Abstr.) **(Fre)**

[Significance of the antibiotic resistance of the causative agents of salmonellosis in its epidemiology and the procedure for controlling the infection] Blokhina IN, et al. **Antibiotiki** 1984 Feb;29(2):112-6 (Eng. Abstr.) **(Rus)**

[Incompatibility properties of pKMR plasmids determining antibiotic resistance and the capacity to produce colonization antigen] Dorokhina OV, et al. **Antibiotiki** 1984 Feb;29(2):91-5 (Eng. Abstr.) **(Rus)**

[Physicochemical properties of the pKMR plasmids controlling antibiotic resistance and the capacity to produce colonization antigen] Dorokhina OV, et al. **Antibiotiki** 1984 Jan;29(1):24-8 (Eng. Abstr.) **(Rus)**

[Epidemiological aspects of antibiotic resistance in hospital microorganisms] Genchikov LA, et al. **Antibiotiki** 1984 Feb;29(2):99-104 (Eng. Abstr.) **(Rus)**

[Screening of effective agents for decreasing microorganism resistance to antibiotics] Klimniuk SI. **Antibiotiki** 1984 Mar; 29(3):182-4 (Eng. Abstr.) **(Rus)**

[Fatty acid composition of variant Staphylococcus aureus 209 P resistant to antibiotic AL-87] Smirnov VV, et al. **Antibiotiki** 1984 Mar;29(3):201-5 (Eng. Abstr.) **(Rus)**

[Yeast resistance to polyene antibiotics. II. An analysis of the sterol composition of Saccharomyces cerevisiae yeasts resistant to nystatin] Levchenko AB, et al. **Genetika (Moskva)** 1984 Jul;20(7):1088-93 (Eng. Abstr.) **(Rus)**

[Isolation of a yeast vector marked by the mutation of multiple resistance to antibiotics] Nevzgliadova OV, et al. **Genetika (Moskva)** 1984 Feb;20(2):212-8 (Eng. Abstr.) **(Rus)**

[Yeast resistance to polyene antibiotics. III. Phenotypic analysis of polyene-resistant sterol mutants of Saccharomyces cerevisiae yeasts] Rodina LV, et al. **Genetika (Moskva)** 1984 Jul;20(7):1094-8 (Eng. Abstr.) **(Rus)**

[Spread and survival of antibiotic-resistant salmonellae in water] Iakovleva ON, et al. **Gig Sanit** 1983 Jul;(7):75-7 **(Rus)**

[Isolation of nonlysogenic bacteria from lysogenic ones using a phage carrying resistance to antibiotics] Kordium VA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Oct; (10):32-5 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Peptide antibiotic subtilin is synthesized via precursor proteins. Nishio C, et al. **Biochem Biophys Res Commun** 1983 Oct 31;116(2):751-8

Improving the production of monensin by Streptomyces cinnamonensis. Královcová E, et al. **Folia Microbiol (Praha)** 1984;29(1):35-42

Utilization of a lipid substrate for submerged fermentation of Streptomyces albus. Procházka P, et al. **Folia Microbiol (Praha)** 1983;28(5):406-8

Mutational cloning in Streptomyces and the isolation of antibiotic production genes. Chater KF, et al. **Gene** 1983 Dec;26(1):67-78

3-Amino-5-hydroxybenzoic acid in antibiotic biosynthesis. VI. Directed biosynthesis studies with ansamycin antibiotics. Becker AM, et al. **J Antibiot (Tokyo)** 1983 Oct; 36(10):1323-8

N-demethylvancomycin, a novel antibiotic produced by a strain of Nocardia orientalis. Taxonomy and fermentation. Boeck LD, et al. **J Antibiot (Tokyo)** 1984 May;37(5):446-53

Pyrrolomycins F1, F2a, F2b and F3, new metabolites produced by the addition of bromide to the fermentation. Ezaki N, et al. **J Antibiot (Tokyo)** 1983 Nov;36(11):1431-8

Amino acid precursors of Myxococcus xanthus antibiotic TA. Fytlovitch S, et al. **J Antibiot (Tokyo)** 1983 Nov; 36(11):1525-30

Relationship between antibiotic resistance and antibiotic productivity in actinomycetes which produce aminoglycoside antibiotics. Hotta K, et al. **J Antibiot (Tokyo)** 1983 Dec;36(12):1789-91

Peptide antibiotic K-582 production in relation to amino acid metabolism in Metarrhizium anisopliae. Ito-Kagawa M, et al. **J Antibiot (Tokyo)** 1984 May;37(5):487-93

Stigmatellin, a new antibiotic from Stigmatella aurantiaca (Myxobacterales). I. Production, physico-chemical and biological properties. Kunze B, et al. **J Antibiot (Tokyo)** 1984 May;37(5):454-61

A new species of Actinomadura producing a polyether antibiotic, cationomycin. Nakamura G, et al. **J Antibiot (Tokyo)** 1983 Nov;36(11):1468-72

Penitricin, a new class of antibiotic produced by Penicillium aculeatum. I. Taxonomy of the producer strain and fermentation. Okuda T, et al. **J Antibiot (Tokyo)** 1984 Jul; 37(7):712-7

Milbemycins, a new family of macrolide antibiotics. Studies on the biosynthesis of milbemycins alpha 2, alpha 4 and D using 13C labeled precursors. Ono M, et al. **J Antibiot (Tokyo)** 1983 Aug;36(8):991-1000

The use of doubly-labeled 13C-acetate in the study of streptolydigin biosynthesis. Pearce CJ, et al. **J Antibiot (Tokyo)** 1983 Nov;36(11):1536-8

Cell-free synthesis of the depsipeptide beauvericin. Peeters H, et al. **J Antibiot (Tokyo)** 1983 Dec;36(12):1762-6

Production of the cephalosporate C-2 by a Streptomyces lactamdurans mutant defective in cephamycin C biosynthesis. Rein A, et al. **J Antibiot (Tokyo)** 1984 Jun; 37(6):664-6

Studies on the biosynthesis of bialaphos (SF-1293). 2. Isolation of the first natural products with a C-P-H bond and their involvement in the C-P-C bond formation [letter] Seto H, et al. **J Antibiot (Tokyo)** 1983 Jan;36(1):96-8

Plasmid variability in the istamycin producing strains of Streptomyces tenjimariensis. Shigyo T, et al. **J Antibiot (Tokyo)** 1984 Jun;37(6):635-40

Isolation of a Streptomyces rochei idiotroph requiring beta-lysine for production of streptothricin. Singh K, et al. **J Antibiot (Tokyo)** 1983 Dec;36(12):1770-3

Microbial transformation of aklanonic acid, a potential early intermediate in the biosynthesis of anthracyclines. Wagner C, et al. **J Antibiot (Tokyo)** 1984 Jun;37(6):691-2

Obafluorin, a novel beta-lactone produced by Pseudomonas fluorescens. Taxonomy, fermentation and biological properties. Wells JS, et al. **J Antibiot (Tokyo)** 1984 Jul; 37(7):802-3

Terminal steps in the biosynthesis of herbicidins, nucleoside antibiotics. Yoshikawa H, et al. **J Antibiot (Tokyo)** 1983 Jan;36(1):30-5

Regulatory mutants of Streptomyces clavuligerus affected in free diaminopimelic acid content and antibiotic biosynthesis. Aharonowitz Y, et al. **J Bacteriol** 1984 Jan; 157(1):337-40

CDA is a new chromosomally-determined antibiotic from Streptomyces coelicolor A3(2). Hopwood DA, et al. **J Gen Microbiol** 1983 Dec;129 (Pt 12):3575-9

A new channel-forming antibiotic from Streptomyces coelicolor A3(2) which requires calcium for its activity. Lakey JH, et al. **J Gen Microbiol** 1983 Dec;129 (Pt 12):3565-73

Restoration of aerial mycelium and antibiotic production in a Streptomyces griseoflavus arginine auxotroph. Ochi K, et al. **J Gen Microbiol** 1984 Aug;130 (Pt 8):2007-13

Aspergillic acids produced by mixed cultures of Aspergillus flavus and Aspergillus nidulans. Perry MJ, et al. **J Gen Microbiol** 1984 Feb;130 (Pt 2):319-23

Pigments with antibiotic activity from Myxococcus coralloides. Arias JM, et al. **Microbios** 1983;38(151):27-32

Antibacterial activity of different Zymomonas mobilis strains. Skotnicki ML, et al. **Microbios** 1984;39(157-158):187-92

Molecular cloning of the whole biosynthetic pathway of a Streptomyces antibiotic and its expression in a heterologous host. Malpartida F, et al. **Nature** 1984 May 31-Jun 6; 309(5967):462-4

Genetics, strain selection and improvement with particular respect to antibiotic producing microorganisms. Holt G, et al. **Riv Biol** 1983 Summer;76(2):183-93 (52 ref.)

Inducers of both cytodifferentiation and anthracycline biosynthesis of Streptomyces griseus and their occurrence in actinomycetes and other microorganisms. Eritt I, et al. **Z Allg Mikrobiol** 1984;24(1):3-12

ATP levels in phosphate-deregulated and arsenate-resistant mutants of Streptomyces noursei. Hänel F, et al. **Z Allg Mikrobiol** 1984;24(4):239-45

Model aided dynamic process analysis and optimization for the nourseothricin fermentation. Peissker M, et al. **Z Allg Mikrobiol** 1984;24(7):467-77

[Studies on plasmid of the chuangxinmycin-producing strain. III. Screening of a non-producing mutant, HT52, of the chuangxinmycin-producing strain and identification of the plasmid by nitrocellulose membrane filters hybridization] Zhou XZ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1983 Jun; 5(3):165-8 (Eng. Abstr.) **(Chi)**

[A statistical method for the determination of the yield correlation of antibiotic-producing microorganisms] Horn M, et al. **Z Allg Mikrobiol** 1984;24(7):443-9 (Eng. Abstr.) **(Ger)**

[Significance of antibiotic-forming microorganisms in biological waste water clarification] Schomburg I, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1984 May; 179(2):162-9 (Eng. Abstr.) **(Ger)**

[Sporogenesis, antibiotic biosynthesis and the systematic position of Fusidium coccineum] Bartoshevich IuE, et al. **Antibiotiki** 1983 Jul;28(7):483-6 (Eng. Abstr.) **(Rus)**

[Ultrastructure of the spores of fungal strains, producers of fusidic acid, varying in antibiotic activity] Bartoshevich IuE, et al. **Antibiotiki** 1983 Aug;28(8):563-6 (Eng. Abstr.) **(Rus)**

[New species of Actinomadura recticatena sp. nov. and its antibiotic properties] Gauze GF, et al. **Antibiotiki** 1984 Jan; 29(1):3-7 (Eng. Abstr.) **(Rus)**

[Use of the protoplast fusion method in the selection of Streptomyces griseus--the producer of the streptothricin antibiotic grisin] Kuklin VV, et al. **Antibiotiki** 1983 Dec; 28(12):883-9 (Eng. Abstr.) **(Rus)**

[Sporulation and spore germination in Bacillus brevis var. G.-B. in relation to antibiotic formation] Markelova SI, et al. **Antibiotiki** 1984 Jan;29(1):63-72 (87 ref.) **(Rus)**

[New species of actinomycete Streptomyces variegatus sp. nov. synthesizing an antibiotic of the alpha-hydroxyketopentaene group] Sveshnikova MA, et al. **Antibiotiki** 1983 Oct;28(10):723-8 (Eng. Abstr.) **(Rus)**

BLOOD

Improved recovery of microorganisms from patients receiving antibiotics with the antimicrobial removal device. Peterson LR, et al. **Am J Clin Pathol** 1983 Nov;80(5):692–6

Evaluation of the BACTEC resin blood–culture medium. Strand CL, et al. **Am J Clin Pathol** 1983 Nov;80(5):706–10

A matter of timing: serum samples for aminoglycoside determination [letter] Mioduch J. **Am J Hosp Pharm** 1984 Apr;41(4):655

Assay of antimicrobial agents. Pezzlo M. **Am J Med Technol** 1983 Nov;49(11):779–82

Determination of serum concentrations of some aminoglycoside antibiotics by use of the fluorescent immunoassay method. Dzierżanowska D, et al. **Arch Immunol Ther Exp (Warsz)** 1983;31(3):389–94

Plasma concentration and disposition of antimicrobial agents in the dog. English PB. **Aust Vet J** 1983 Dec;60(12):353–61 (104 ref.)

Pharmacokinetics of phosphomycin during haemofiltration. Fernandez Lastra C, et al. **Br J Clin Pharmacol** 1984 Apr; 17(4):477–80

Antibiotics and p–aminohippurate [letter] Karlmar KE. **Clin Chem** 1983 Dec;29(12):2121

Initial aminoglycoside levels in the critically ill. Summer WR, et al. **Crit Care Med** 1983 Dec;11(12):948–50

Aminoglycoside inactivation by penicillins and cephalosporins and its impact on drug–level monitoring. Tindula RJ, et al. **Drug Intell Clin Pharm** 1983 Dec; 17(12):906–8

Studies on 6–acetylmethylenepenicillanic acid (Ro 15–1903). III. Relationship between in vitro activity and chemical stability. Arisawa M, et al. **J Antibiot (Tokyo)** 1983 Oct; 36(10):1372–9

A simple system for studying antibiotic binding to leukocytes. Gray GD, et al. **J Antibiot (Tokyo)** 1984 Mar;37(3):267–74

An automated high–performance liquid chromatographic method for the determination of aminoglycosides in serum using pre–column sample clean–up and derivatization. Essers L. **J Chromatogr** 1984 Feb 10;305(2):345–52

Determination of sisomicin, netilmicin, astromicin and micronomicin in serum by high–performance liquid chromatography. Kawamoto T, et al. **J Chromatogr** 1984 Feb 10;305(2):373–9

Determination of ampicillin, amoxicillin, cephalexin, and cephradine in plasma by high–performance liquid chromatography using fluorometric detection. Miyazaki K, et al. **J Chromatogr** 1983 Sep 9;276(2):478–82

Measurement of levels of aminoglycosides and vancomycin in serum in the presence of new beta–lactam antibiotics. Calderwood SB, et al. **J Clin Microbiol** 1984 May; 19(5):707–9

Is the antimicrobial removal device a cost–effective addition to conventional blood cultures? Munro R, et al. **J Clin Pathol** 1984 Mar;37(3):348–51

Penetration of antibiotics into human leukocytes and dermal suction blisters. Solberg CO, et al. **Rev Infect Dis** 1983 Jul–Aug;5 Suppl 3:S468–73

CEREBROSPINAL FLUID

[Diffusion of antibiotics in the cerebrospinal fluid] Korinek AM. **Agressologie** 1983 Apr;24(4):161–4 (Eng. Abstr.) **(Fre)**

[Cerebrospinal fluid diffusion kinetics of cefotaxime and fosfomycin in Staphylococcus aureus meningitis with otorrhea] Tremeaux JC, et al. **Pathol Biol (Paris)** 1984 Jun; 32(5 Pt 2):556–8 (Eng. Abstr.) **(Fre)**

CHEMICAL SYNTHESIS

Side chain modifications in lankacidin group antibiotics. McFarland JW, et al. **Antimicrob Agents Chemother** 1984 Feb;25(2):226–33

The C–nucleoside antibiotics. Buchanan JG. **Fortschr Chem Org Naturst** 1983;44:243–99 (176 ref.)

N–(functionalized alkyl) derivatives of 6–aminopenicillanic acid: a new series of specific inhibitors of beta–lactamase from Enterobacter cloacae P99. Calverley MJ, et al. **J Antibiot (Tokyo)** 1983 Nov;36(11):1507–15

Total synthesis of edeine D. Czerwiński A, et al. **J Antibiot (Tokyo)** 1983 Aug;36(8):1001–6

A new class of penems, the 2–heterocyclyl(thio)methyl derivatives. Franceschi G, et al. **J Antibiot (Tokyo)** 1984 Jun;37(6):685–8

Synthesis of pseudotrisaccharides related to ribostamycin. Girodeau JM, et al. **J Antibiot (Tokyo)** 1984 Feb; 37(2):150–8

Synthesis of sisamine and of pseudodisaccharide analogues. Girodeau JM, et al. **J Antibiot (Tokyo)** 1984 Feb; 37(2):143–9

Synthesis of the decarboxy analog of edeine D. Gumieniak J, et al. **J Antibiot (Tokyo)** 1983 Sep;36(9):1239–41

Chemical modification of tylosin: synthesis of amino derivatives at C–20 position of tylosin and demycarosyltylosin. Matsubara H, et al. **J Antibiot (Tokyo)** 1983 Dec;36(12):1713–21

Synthesis and in vitro activity of a new carbapenem, RS–533. Miyadera T, et al. **J Antibiot (Tokyo)** 1983 Aug; 36(8):1034–9

Chemical modification of erythromycins. I. Synthesis and antibacterial activity of 6–O–methylerythromycins A. Morimoto S, et al. **J Antibiot (Tokyo)** 1984 Feb;37(2):187–9

Synthetic cephalosporins. The synthesis and antibacterial activities of 7–[2–(2–(amino–1,3,4–thiadiazol–5–yl)acetamido]–cephalos
Sakagami K, et al. **J Antibiot (Tokyo)** 1983 Sep; 36(9):1205–10

Chemical modification of spiramycins. II. Synthesis and antimicrobial activity of 4''–deoxy derivatives of neospiramycin I and their 12–(Z)–isomers. Sano H, et al. **J Antibiot (Tokyo)** 1984 Jul;37(7):738–49

Chemical modification of spiramycins. I. Synthesis of the acetal derivatives of neospiramycin I. Sano H, et al. **J Antibiot (Tokyo)** 1983 Oct;36(10):1336–44

Synthesis and biological evaluation of a 4–fluoromethyl monobactam analog. Skotnicki JS, et al. **J Antibiot (Tokyo)** 1983 Sep;36(9):1201–4

New semisynthetic fluorinated 'hybrid' macrolides. Toscano L, et al. **J Antibiot (Tokyo)** 1983 Nov;36(11):1585–8

Syntheses and biological activities of thiotetromycin analogs. Tsuzuki K, et al. **J Antibiot (Tokyo)** 1983 Nov; 36(11):1589–91

Synthesis of arphamenine A and epi–arphamenine A. Umezawa H, et al. **J Antibiot (Tokyo)** 1983 Dec; 36(12):1787–8

Preparation, properties and biological activity of natural and semisynthetic urethanes of monensin. Westley JW, et al. **J Antibiot (Tokyo)** 1983 Sep;36(9):1195–200

Synthesis and antibacterial activity of triazole and isoxazole derivatives of ampicillin. Yasuda N, et al. **J Antibiot (Tokyo)** 1983 Nov;36(11):1516–24

Chloralanyl and propargylglycyl dipeptides. Suicide substrate containing antibacterials. Cheung KS, et al. **J Med Chem** 1983 Dec;26(12):1733–41

Pyridonecarboxylic acids as antibacterial agents. 2. Synthesis and structure–activity relationships of 1,6,7–trisubstituted 1,4–dihydro–4–oxo–1,8–naphthyridine–3–carboxylic acids, including enoxacin, a new antibacterial agent. Matsumoto J, et al. **J Med Chem** 1984 Mar;27(3):292–301

Synthesis and substituent effects on antibacterial activity, alkaline hydrolysis rates, and infrared absorption frequencies of some cephem analogues related to latamoxef (moxalactam). Narisada M, et al. **J Med Chem** 1983 Nov; 26(11):1577–82

Benzisoxazolones: antimicrobial and antileukemic activity. Wierenga W, et al. **J Med Chem** 1984 Sep;27(9):1212–5

[Aminoglycoside antibiotics today and tomorrow] Hejzlar M. **Cas Lek Cesk** 1984 Jan 20;123(3):70–2 (Eng. Abstr.) **(Cze)**

[Synthesis and antibacterial activity of perchlorylchloramphenicol] Ziebell G, et al. **Pharmazie** 1983 Sep;38(9):587–9 (Eng. Abstr.) **(Ger)**

[Antibacterial peptides (XX). Synthesis and antibacterial activity of alpha–acyltetrapeptides containing basic amino acids (IX)] Ito H, et al. **Jpn J Antibiot** 1983 Dec; 36(12):3349–54 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

[Various aspects of the immunobiological action of preparation K] Smirnov VV, et al. **Vrach Delo** 1984 Feb; (2):108–11 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Improved procedure for extracting aminoglycosides from renal cortical tissue. Giuliano RA, et al. **Antimicrob Agents Chemother** 1984 Jun;25(6):783–4

Microcin 7: purification and properties. García–Bustos JF, et al. **Biochem Biophys Res Commun** 1984 Mar 15; 119(2):779–85

Studies on metabolites produced by Aspergillus terreus var. aureus. I. Chemical structures and antimicrobial activities of metabolites isolated from culture broth. Inamori Y, et al. **Chem Pharm Bull (Tokyo)** 1983 Dec;31(12):4543–8

Isolation of neocopiamycin A from Streptomyces hygroscopicus var. crystallogenes, the copiamycin source. Arai T, et al. **J Antibiot (Tokyo)** 1984 Feb;37(2):103–9

Teichomycins, new antibiotics from Actinoplanes teichomyceticus nov. sp. IV. Separation and characterization of the components of teichomycin (teicoplanin). Borghi A, et al. **J Antibiot (Tokyo)** 1984 Jun; 37(6):615–20

MM 14201, a new epoxyquinone derivative with antibacterial activity produced by a species of Streptomyces. Box SJ, et al. **J Antibiot (Tokyo)** 1983 Dec;36(12):1631–7

U–56,407, a new antibiotic related to asukamycin: isolation and characterization. Brodasky TF, et al. **J Antibiot (Tokyo)** 1983 Aug;36(8):950–6

A–16686, a new antibiotic from Actinoplanes. I. Fermentation, isolation and preliminary physico–chemical characteristics. Cavalleri B, et al. **J Antibiot (Tokyo)** 1984 Apr;37(4):309–17

[R–(Z)]–4–amino–3–chloro–2–pentenedioic acid, a new antibiotic. Fermentation, isolation and characterization. Chaiet L, et al. **J Antibiot (Tokyo)** 1984 Mar;37(3):207–10

Two new monobactam antibiotics produced by a Flexibacter sp. I. Taxonomy, fermentation, isolation and biological properties. Cooper R, et al. **J Antibiot (Tokyo)** 1983 Oct; 36(10):1252–7

Teicoplanin, antibiotics from Actinoplanes teichomyceticus nov. sp. V. Aromatic constituents. Coronelli C, et al. **J Antibiot (Tokyo)** 1984 Jun;37(6):621–6

Actaplanin, new glycopeptide antibiotics produced by Actinoplanes missouriensis. The isolation and preliminary chemical characterization of actaplanin. Debono M, et al. **J Antibiot (Tokyo)** 1984 Feb;37(2):85–95

New antibiotic U–64846: fermentation, isolation and characterization. Dolak LA, et al. **J Antibiot (Tokyo)** 1984 Feb;37(2):96–102

Desertomycin: purification and physical–chemical properties. Dolak LA, et al. **J Antibiot (Tokyo)** 1983 Jan;36(1):13–9

Pyrrolomycins C, D and E, new members of pyrrolomycins. Ezaki N, et al. **J Antibiot (Tokyo)** 1983 Oct;36(10):1263–7

A new naphthaquinone antibiotic from a new species of yeast. Flegel TW, et al. **J Antibiot (Tokyo)** 1984 Apr;37(4):325–9

Studies on peptide antibiotics, leucinostatins. I. Separation, physico–chemical properties and biological activities of leucinostatins A and B. Fukushima K, et al. **J Antibiot (Tokyo)** 1983 Dec;36(12):1606–12

The myxalamids, new antibiotics from Myxococcus xanthus (Myxobacterales). I. Production, physico–chemical and biological properties, and mechanism of action. Gerth K, et al. **J Antibiot (Tokyo)** 1983 Sep;36(9):1150–6

A new carbapenam No. 17927 D substance. Haneishi T, et al. **J Antibiot (Tokyo)** 1983 Nov;36(11):1581–4

Studies on a new antibiotic FR–900336 taxonomy, isolation and characterization. Hino M, et al. **J Antibiot (Tokyo)** 1984 Apr;37(4):303–8

Aculeximycin, a new antibiotic from Streptosporangium albidum. I. Taxonomy of producing organism and fermentation. Ikemoto T, et al. **J Antibiot (Tokyo)** 1983 Sep;36(9):1093–6

Aculeximycin, a new antibiotic from Streptosporangium albidum. II. Isolation, physicochemical and biological properties. Ikemoto T, et al. **J Antibiot (Tokyo)** 1983 Sep; 36(9):1097–100

The myxovalargins, new peptide antibiotics from Myxococcus fulvus (Myxobacterales). I. Cultivation, isolation, and some chemical and biological properties. Irschik H, et al. **J Antibiot (Tokyo)** 1983 Jan;36(1):6–12

Ascamycin and dealanylascamycin, nucleoside antibiotics from Streptomyces sp. Isono K, et al. **J Antibiot (Tokyo)** 1984 Jun;37(6):670–2

Arugomycin, a new anthracycline antibiotic. Kawai H, et al. **J Antibiot (Tokyo)** 1983 Nov;36(11):1569–71

New antibiotics, algacidins A and B. Kihara T, et al. **J Antibiot (Tokyo)** 1983 Dec;36(12):1777–80

Components and degradation compounds of the avoparcin complex. McGahren WJ, et al. **J Antibiot (Tokyo)** 1983 Dec;36(12):1671–82

The hazimicins, a new class of antibiotics. Taxonomy, fermentation, isolation, characterization and biological properties. Marquez JA, et al. **J Antibiot (Tokyo)** 1983 Sep; 36(9):1101–8

The discovery, fermentation, isolation, and structure of antibiotic A33853 and its tetraacetyl derivative. Michel KH, et al. **J Antibiot (Tokyo)** 1984 May;37(5):441–5

The fermentation, isolation and characterization of macromolecular peptide antibiotics: AN–7A, –7B and –7D. Miyashiro S, et al. **J Antibiot (Tokyo)** 1984 Jan;37(1):20–6

The fermentation, isolation and characterization of a macromolecular peptide antibiotic: AN–1. Miyashiro S, et al. **J Antibiot (Tokyo)** 1984 Jan;37(1):27–32

The fermentation, isolation and characterization of a macromolecular peptide antibiotic: AN–3. Miyashiro S, et al. **J Antibiot (Tokyo)** 1983 Sep;36(9):1136–43

Sakyomicins A, B, C and D: new quinone–type antibiotics produced by a strain of Nocardia. Taxonomy, production, isolation and biological properties. Nagasawa T, et al. **J Antibiot (Tokyo)** 1984 Jul;37(7):693–9

Studies on a new nucleoside antibiotic, dapiramicin. II. Isolation, physico–chemical and biological characterization. Nishizawa N, et al. **J Antibiot (Tokyo)** 1984 Jan;37(1):1–5

Penitricin, a new class of antibiotic produced by Penicillium aculeatum. II. Isolation and characterization. Okuda T, et al. **J Antibiot (Tokyo)** 1984 Jul;37(7):718–22

Takaokamycin, a new peptide antibiotic produced by Streptomyces sp. Omura S, et al. **J Antibiot (Tokyo)** 1984 Jul;37(7):700–5

A macrocyclic antibiotic M–230B produced by Myxococcus xanthus. Isolation and characterization. Onishi N, et al. **J Antibiot (Tokyo)** 1984 Jan;37(1):13–9

Cepacin A and cepacin B, two new antibiotics produced by Pseudomonas cepacia. Parker WL, et al. **J Antibiot (Tokyo)** 1984 May;37(5):431–40

Fusidane antibiotics produced by dermatophytes. Perry MJ, et al. **J Antibiot (Tokyo)** 1983 Dec;36(12):1659–63

A new aminoglycoside antibiotic G–367 S1, 2''–N–formylsisomicin fermentation, isolation and characterization. Satoi S, et al. **J Antibiot (Tokyo)** 1983 Jan;36(1):1–5

The isolation and structures of hygrolidin amide and defumarylhygrolidin. Seto H, et al. **J Antibiot (Tokyo)** 1984 May;37(5):610–3

Isolation and structure of oxirapentyn. Takahashi S, et al. **J Antibiot (Tokyo)** 1983 Oct;36(10):1418–20

New antitumor antibiotics, ditrisarubicins A, B and C. Uchida T, et al. **J Antibiot (Tokyo)** 1983 Aug;36(8):1080–3

Arphamenines A and B, new inhibitors of aminopeptidase B, produced by bacteria. Umezawa H, et al. **J Antibiot (Tokyo)** 1983 Nov;36(11):1572–5

Metabolic products of microorganisms. 224. Bafilomycins, a new group of macrolide antibiotics. Production, isolation, chemical structure and biological activity. Werner G, et al. **J Antibiot (Tokyo)** 1984 Feb;37(2):110–7

Isolation and characterization of antibiotic X–14931A, the

naturally occurring 19-deoxyaglycone of dianemycin. Westley JW, et al. **J Antibiot (Tokyo)** 1984 Jul;37(7):813–5

Isolation and characterization of a novel polyether antibiotic of the pyrrolether class, antibiotic X-14885A. Westley JW, et al. **J Antibiot (Tokyo)** 1983 Oct;36(10):1275–8

Northienamycin and 8-epi-thienamycin, new carbapenems from Streptomyces cattleya. Wilson KE, et al. **J Antibiot (Tokyo)** 1983 Sep;36(9):1109–17

Studies on a new antibiotic FR-900109. 1. Taxonomy, isolation and characterization. Yamashita M, et al. **J Antibiot (Tokyo)** 1983 Sep;36(9):1123–8

FR-900318, a novel penicillin with beta-lactamase inhibitory activity. Yamashita M, et al. **J Antibiot (Tokyo)** 1983 Dec; 36(12):1774–6

Structures of OA-6129A, B1, B2 and C, new carbapenem antibiotics produced by Streptomyces sp. OA-6129. Yoshioka T, et al. **J Antibiot (Tokyo)** 1983 Nov; 36(11):1473–82

Production and partial purification of a peptide antibiotic from Staphylococcus epidermidis. Eady EA, et al. **J Appl Bacteriol** 1983 Dec;55(3):461–72

Study of antibacterial and antiinflammatory components of Achillea alpina. Liu ML, et al. **J Tradit Chin Med** 1983 Sep;3(3):213–6

Edeine A, edeine B, and guanidospermidine. Kurylo-Borowska Z, et al. **Methods Enzymol** 1983; 94:441–51

Purification and properties of the inhibitory protein isolated from Lactobacillus acidophilus AC1. Mehta AM, et al. **Microbios** 1983;38(152):73–81

[Progress of antibiotics and research on antiviral agent] Hata T. **Nippon Saikingaku Zasshi** 1983 Jul;38(4):677–81 (12 ref.) **(Jpn)**

[Purification of antibiotics by ultrafiltration through semi-permeable membranes] Ustiuzhanina IIu, et al. **Antibiotiki** 1983 Nov;28(11):818–22 (Eng. Abstr.) **(Rus)**

METABOLISM

Metal ion-tetracycline interactions in biological fluids. Part 3. Formation of mixed-metal ternary complexes of tetracycline, oxytetracycline, doxycycline and minocycline with calcium and magnesium, and their involvement in the bioavailability of these antibiotics in blood plasma. Lambs L, et al. **Agents Actions** 1984 Jun;14(5–6):743–50

The pharmacokinetics of antibiotics used to treat peritoneal dialysis-associated peritonitis. Johnson CA, et al. **Am J Kidney Dis** 1984 Jul;4(1):3–17 (94 ref.)

Changing patterns of hospital infections: implications for therapy. Changing concepts and new applications of antibiotic pharmacokinetics. Craig WA, et al. **Am J Med** 1984 Jul 31;77(1B):24–8 (19 ref.)

Pharmacologic considerations in the treatment of upper respiratory tract infections. Nelson JD. **Am J Otolaryngol** 1983 Nov-Dec;4(6):412–3

Uptake of antibiotics by human alveolar macrophages. Hand WL, et al. **Am Rev Respir Dis** 1984 Jun;129(6):933–7

Disposition of phosphomycin in patients with pleural effusion. Lastra CF, et al. **Antimicrob Agents Chemother** 1984 Apr;25(4):458–62

Correlation of antibiotic resistance with Vmax/Km ratio of enzymatic modification of aminoglycosides by kanamycin acetyltransferase. Radika K, et al. **Antimicrob Agents Chemother** 1984 Apr;25(4):479–82

Inability of purified Pseudomonas aeruginosa exopolysaccharide to bind selected antibiotics. Tannenbaum CS, et al. **Antimicrob Agents Chemother** 1984 Jun;25(6):673–5

Purification and characterization of aminoglycoside-modifying enzymes from Staphylococcus aureus and Staphylococcus epidermidis. Ubukata K, et al. **Antimicrob Agents Chemother** 1984 Jun;25(6):754–9

Backbone-modified analogues of small peptides: transport and antibacterial activity. Morley JS, et al. **Biochem Soc Trans** 1983 Dec;11(6):798–800

The pharmacokinetics of clofoctol in healthy neonates and adults studied by an original HPLC technique. del Tacca M, et al. **Bioi Res Pregnancy Perinatol** 1983;4(4):166–8

Transfer of antibiotics into maternal milk. Matsuda S. **Biol Res Pregnancy Perinatol** 1984;5(2):57–60

Multiple-dose non-linear regression analysis program. Aminoglycoside dose prediction. Koup JR, et al. **Clin Pharmacokinet** 1983 Sep-Oct;8(5):456–62

Considerations about the relationship of inhibitory concentrations and the pharmacologic and toxic properties of antimicrobial agents. Neu HC. **Diagn Microbiol Infect Dis** 1983 Mar;1(1):41–7

The elongation factor Tu.kirromycin complex has two binding sites for tRNA molecules. van Noort JM, et al. **EMBO J** 1982;1(10):1199–205

The influence of uremia on the accessibility of phosphomycin into interstitial tissue fluid. Fernandez Lastra C, et al. **Eur J Clin Pharmacol** 1983;25(3):333–8

Pharmacokinetics of antimicrobial agents. Norris SM, et al. **Infect Control** 1984 Feb;5(2):95–7

Conversion of triostins to quinomycins by protoplasts of Streptomyces echinatus. Cornish A, et al. **J Antibiot (Tokyo)** 1983 Dec;36(12):1664–70

Microbial conversion of grisorixin, a monovalent cation ionophorous antibiotic. Cuer A, et al. **J Antibiot (Tokyo)** 1983 Jan;36(1):20–4

Microbial conversion of anthracycline antibiotics. II. Characterization of the microbial conversion products of auramycinone by Streptomyces coeruleorubidus ATCC 31276. Hoshino T, et al. **J Antibiot (Tokyo)** 1983 Nov; 36(11):1463–7

Microbial conversion of anthracycline antibiotics. I. Microbial conversion of aclacinomycin B to aclacinomycin A. Hoshino T, et al. **J Antibiot (Tokyo)** 1983 Nov; 36(11):1458–62

Bacterial uptake of habekacin, a novel aminoglycoside antibiotic. Matsunaga K, et al. **J Antibiot (Tokyo)** 1984 May; 37(5):596–601

Microbial transformation of rubeomycin A to rubeomycin B. Ogawa Y, et al. **J Antibiot (Tokyo)** 1983 Nov; 36(11):1561–3

Taxonomy of actinomycetes capable of hydroxylation of ML-236B (compactin). Okazaki T, et al. **J Antibiot (Tokyo)** 1983 Sep;36(9):1176–83

Deepoxidation of 16-membered epoxyenone macrolide antibiotics. III. In vitro and in vivo evaluation of deepoxidation products of carbomycin A, deltamycin A1, 4'-phenylacetyldeltamycin, angolamycin and rosamicin. Sakamoto M, et al. **J Antibiot (Tokyo)** 1984 Feb;37(2):130–5

Aminoglycoside antibiotics. XV Chemical conversion of neomycin B to paromomycin I, 6"-deamino-6"-hydroxyneomycin B and 6"-deamino-6"-hydroxy-paromomycin I. Toda S, et al. **J Antibiot (Tokyo)** 1983 Jan;36(1):87–91

Binding of antibiotics by non-albumin proteins. Hamilton-Miller JM. **J Antimicrob Chemother** 1984 Apr; 13(4):303–5

Interactions of antibiotics and phagocytes. Hand WL, et al. **J Antimicrob Chemother** 1983 Oct;12 Suppl C:1–11

Intracellular penetration and antimicrobial activity of antibiotics. Jacobs RF, et al. **J Antimicrob Chemother** 1983 Oct;12 Suppl C:13–20

Tissue penetration of antibiotics. Rolinson GN. **J Antimicrob Chemother** 1984 Jun;13(6):593–602

Amoxycillin/clavulanic acid: the effect of probenecid. Staniforth DH, et al. **J Antimicrob Chemother** 1983 Sep; 12(3):273–5

Antibiotics in bile. Thomas M. **J Antimicrob Chemother** 1983 Nov;12(5):419–22

Pharmacokinetics of N-formimidoyl thienamycin and influence of a renal dipeptidase inhibitor in experimental meningitis. Washburn DE, et al. **J Antimicrob Chemother** 1983 Jul;12(1):39–45

Intracellular activation of albomycin in Escherichia coli and Salmonella typhimurium. Braun V, et al. **J Bacteriol** 1983 Oct;156(1):308–15

Pharmacokinetic interaction of aztreonam with other antibiotics. Creasey WA, et al. **J Clin Pharmacol** 1984 Apr; 24(4):174–80

Retention data for antibiotics commonly used for bovine infections. Bishop JR, et al. **J Dairy Sci** 1984 Feb; 67(2):437–40

Depletion of antibiotics from the mammary gland of goats. Long PE, et al. **J Dairy Sci** 1984 Mar;67(3):707–12

Microcin-mediated interactions between Klebsiella pneumoniae and Escherichia coli strains. de Lorenzo V, et al. **J Gen Microbiol** 1984 Feb;130 (Pt 2):391–400

Effects of phagocytosis on antibiotic and nucleoside uptake by human polymorphonuclear leukocytes. Steinberg TH, et al. **J Infect Dis** 1984 Mar;149(3):397–403

Antibiotic excretion into the bile [letter] Hitch DC, et al. **J Pediatr Surg** 1983 Dec;18(6):963

Bioavailability of oral antibiotics in children with short-bowel syndrome. Menardi G, et al. **J Pediatr Surg** 1984 Feb;19(1):84–6

The effects of the administration routes on the biliary excretion of antibiotics. Toya H, et al. **J Pharmacobiodyn** 1984 Mar;7(3):212–6

Factors affecting the entry of antibiotics into Escherichia coli. Clark D. **Microbios** 1984;41(160):107–15

Antibiotic distribution in normal and osteomyelitic bone. Fitzgerald RH Jr. **Orthop Clin North Am** 1984 Jul; 15(3):537–46

The excretion of antibiotics by the biliary tract. Nagar H, et al. **Surg Gynecol Obstet** 1984 Jun;158(6):601–7 (96 ref.)

Penetration of some antibiotics into the lacrimal fluid of sheep. Nouws JF, et al. **Vet Q** 1983 Jul;5(3):114–21

Transport of aminoglycosides in Escherichia coli. Dalhoff A. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 May; 254(3):379–87

Aminoglycoside accumulation by membrane vesicles of Escherichia coli and Streptococcus faecalis. Dalhoff A. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 May; 254(3):333–42

Penetration of antimicrobial agents into tissue cage fluid in cattle. Luthman J, et al. **Zentralbl Veterinarmed [A]** 1984 May;31(4):303–13

[Pharmacokinetic study of Fosfomycin] Wu PD, et al. **Yao Hsueh Hsueh Pao** 1983 Apr;18(4):247–50 (Eng. Abstr.) **(Chi)**

[Possibilities of the preclinical assessment of changes in pharmacokinetics as a result of renal failure] Schück O, et al. **Cas Lek Cesk** 1983 Jul 22;122(29):897–900 (Eng. Abstr.) **(Cze)**

[Changes in the ventricular and serum levels of fosfomycin during treatment of 5 cases of coagulase-negative staphylococcal ventriculitis] Scontrini G, et al. **Agressologie** 1983 Apr;24(4):165–7 (Eng. Abstr.) **(Fre)**

[Can fosfomycin reduce the nephrotoxicity of aminoglycosides?] Morin JP, et al. **Pathol Biol (Paris)** 1984 May;32(5):338–42 (Eng. Abstr.) **(Fre)**

[Risk estimation of antimicrobial residues in the chicken egg] Siegmann O, et al. **Berl Munch Tierarztl Wochenschr** 1984 Feb 1;97(2):51–4 (Eng. Abstr.) **(Ger)**

[Protective effect of fosfomycin against renal accumulation of aminoglycoside antibiotics] Fujita K, et al. **Jpn J Antibiot** 1983 Dec;36(12):3392–4 (Eng. Abstr.) **(Jpn)**

[Transfer of fosfomycin sodium into the pelvic organs] Takase Z, et al. **Jpn J Antibiot** 1983 Jul;36(7):1581–92 (Eng. Abstr.) **(Jpn)**

[Clinical studies of intravenous drip infusion of micronomicin. 1. Absorption and excretion] Watanabe M, et al. **Jpn J Antibiot** 1983 Nov;36(11):3291–301 (Eng. Abstr.) **(Jpn)**

[Intestinal absorption of antibiotics in children with intestinal wall damage (flat mucosa syndrome)] Zalewski T, et al. **Pediatr Pol** 1983 Nov;58(11):843–51 (Eng. Abstr.) **(Pol)**

[Excretion of antibiotics into the pancreatic juice] Slukhai IuF, et al. **Vestn Khir** 1983 Sep;131(9):66–8 **(Rus)**

[Pharmacokinetics in renal insufficiency] Arancibia A, et al. **Rev Med Chil** 1984 Mar;112(3):267–75 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

Multiresistant lipophilic corynebacteria from clinical specimens. Biochemical reactions and antimicrobial agents susceptibility. Ersgaard H, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1984 Feb; 92(1):39–43

Antibiotic susceptibility pattern and capsular types of Haemophilus influenzae recovered from clinical specimens in northern Norway. Melby K, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1983 Dec; 91(6):383–7

Resistance types in Citrobacter freundii. Occurrence and resistance to ampicillin, carbenicillin, cephalothin and mecillinam. Transfer of ampicillin resistance. Søgaard P. **Acta Pathol Microbiol Immunol Scand [B]** 1984 Apr; 92(2):79–83

Effects of saliva and alpha-amylase on antibiotic sensitivity of bacteria. Eke PI, et al. **Afr J Med Med Sci** 1984 Mar-Jun; 13(1-2):15–20

Inability to control selected drugs on commercially obtained microdilution MIC panels. Kellogg JA. **Am J Clin Pathol** 1984 Oct;82(4):455–8

Aminoglycoside resistance in Pseudomonas aeruginosa isolated from cystic fibrosis patients. McNeill WF, et al. **Am J Clin Pathol** 1984 Jun;81(6):742–7

Control of antibiotic-resistant bacteria: memorandum from a WHO meeting. World Health Organization Scientific Working Group on Antimicrobial Resistance. **Am J Hosp Pharm** 1984 Jul;41(7):1329–37

Antibiotic activity in peritoneal dialysate. Rubin J, et al. **Am J Kidney Dis** 1983 Nov;3(3):205–8

Stability of single and combination antimicrobial agents in various peritoneal dialysates in the presence of insulin and heparin. Sewell DL, et al. **Am J Kidney Dis** 1983 Nov; 3(3):209–12

Susceptibility testing of anaerobic bacteria. Citron D. **Am J Med Technol** 1983 Nov;49(11):769–72

Strategies for antimicrobial susceptibility testing of fastidious aerobic bacteria. Hindler J. **Am J Med Technol** 1983 Nov; 49(11):761–7

Laboratory tests for antimicrobial synergy. Peterson E. **Am J Med Technol** 1983 Nov;49(11):775–7

Susceptibility profiles of potential aerobic and anaerobic pathogens isolated from hysterectomy patients. Heard ML, et al. **Am J Obstet Gynecol** 1984 May 15;149(2):133–43

Antibiotic resistance of members of the genus Salmonella isolated from chickens, turkeys, cattle, and swine in the United States during October 1981 through September 1982. Blackburn BO, et al. **Am J Vet Res** 1984 Jun; 45(6):1245–9

In vitro susceptibility of Escherichia coli of swine origin to carbadox and other antimicrobials. Das NK. **Am J Vet Res** 1984 Feb;45(2):252–4

Antimicrobial susceptibility of Prototheca zopfii isolated from bovine intramammary infections. McDonald JS, et al. **Am J Vet Res** 1984 Jun;45(6):1079–80

Presence of aminoglycoside acetyltransferase and plasmids in Mycobacterium fortuitum. Lack of correlation with intrinsic aminoglycoside resistance. Hull SI, et al. **Am Rev Respir Dis** 1984 Apr;129(4):614–8

Antibiotic susceptibility and serotype distribution of Streptococcus pneumoniae. Stable incidence of antibiotic-resistant isolates and common serotypes. Perlino CA, et al. **Am Rev Respir Dis** 1984 Jun;129(6):1018–20

In vivo and in vitro emergence of simultaneous resistance to both beta-lactam and aminoglycoside antibiotics in a strain of Serratia marcescens. Goldstein FW, et al. **Ann Microbiol (Paris)** 1983 May-Jun;134(3):329–37

Antimicrobial susceptibility of Bifidobacterium. Matteuzzi D, et al. **Ann Microbiol (Paris)** 1983 May-Jun;134(3):339–49

Phage type and antibiogram of calf-virulent salmonella strains in The Netherlands. Guinée PA, et al. **Ann Rech Vet** 1983;14(4):420–1

Salmonella infections in calves and piglets. Lintermans P, et al. **Ann Rech Vet** 1983;14(4):412–9

Evaluation of a range of antimicrobial agents against the parasitic protozoa, Plasmodium falciparum, Babesia rodhaini and Theileria parva in vitro. McColm AA, et al.

Ann Trop Med Parasitol 1984 Aug;78(4):345–54
Self-transmissible plasmids in staphylococci that encode resistance to aminoglycosides. Archer GL, et al.
Antimicrob Agents Chemother 1983 Jul;24(1):70–7
In vitro activities of aztreonam, piperacillin, and ticarcillin combined with amikacin against amikacin-resistant Pseudomonas aeruginosa and P. cepacia isolates from children with cystic fibrosis. Aronoff SC, et al.
Antimicrob Agents Chemother 1984 Feb;25(2):279–80
Antibiotic resistance of degraded strains of Bordetella pertussis. Bannatyne RM, et al.
Antimicrob Agents Chemother 1984 Apr;25(4):537–8
In vitro comparison of the activity of RU 28965, a new macrolide, with that of erythromycin against aerobic and anaerobic bacteria. Barlam T, et al.
Antimicrob Agents Chemother 1984 Apr;25(4):529–31
Relation between aminoglycoside 2'-O-nucleotidyltransferase activity and aminoglycoside resistance. Bongaerts GP, et al.
Antimicrob Agents Chemother 1984 Feb;25(2):234–7
Synergism between penicillin, clindamycin, or metronidazole and gentamicin against species of the Bacteroides melaninogenicus and Bacteroides fragilis groups. Brook I, et al. **Antimicrob Agents Chemother** 1984 Jan;25(1):71–7
Broad host range of streptococcal macrolide resistance plasmids. Buu-Hoï A, et al.
Antimicrob Agents Chemother 1984 Feb;25(2):289–91
Susceptibility studies of multiply resistant Haemophilus influenzae isolated from pediatric patients and contacts. Campos J, et al. **Antimicrob Agents Chemother** 1984 Jun; 25(6):706–9
Comparative in vitro activities of ten antimicrobial agents against bacterial enteropathogens. Carlson JR, et al.
Antimicrob Agents Chemother 1983 Oct;24(4):509–13
In vitro activity of enoxacin, a quinolone carboxylic acid, compared with those of norfloxacin, new beta-lactams, aminoglycosides, and trimethoprim. Chin NX, et al.
Antimicrob Agents Chemother 1983 Nov;24(5):754–63
In vitro antimicrobial susceptibility of penicillinase-producing and intrinsically resistant Neisseria gonorrhoeae strains. Cohen MS, et al.
Antimicrob Agents Chemother 1983 Oct;24(4):597–9
Interaction of cefotaxime and aminoglycosides against enterococci in vitro. Elliott AM, et al.
Antimicrob Agents Chemother 1983 Dec;24(6):847–50
Mechanisms of action of aminoglycoside antibiotics in eucaryotic protein synthesis. Eustice DC, et al.
Antimicrob Agents Chemother 1984 Jul;26(1):53–60
Bactericidal activities of five antibiotics during short-term exposure to coagulase-negative staphylococci. Fischer PR, et al. **Antimicrob Agents Chemother** 1984 Apr;25(4):502–3
In vitro activities of norfloxacin and ciprofloxacin against Mycobacterium tuberculosis, M. avium complex, M. chelonei, M. fortuitum, and M. kansasii. Gay JD, et al.
Antimicrob Agents Chemother 1984 Jul;26(1):94–6
In vitro synergistic activities of aminoglycosides and new beta-lactams against multiresistant Pseudomonas aeruginosa. Giamarellou H, et al.
Antimicrob Agents Chemother 1984 Apr;25(4):534–6
Synergism of imipenem and amikacin in combination with other antibiotics against Nocardia asteroides. Gombert ME, et al. **Antimicrob Agents Chemother** 1983 Nov;24(5):810–1
Antibiotic susceptibilities and auxotypes of Neisseria gonorrhoeae strains from women with pelvic inflammatory disease or uncomplicated infections. Jacques M, et al.
Antimicrob Agents Chemother 1983 Dec;24(6):952–4
Comparative in vitro activities of teichomycin and other antibiotics against JK diphtheroids. Jadeja L, et al.
Antimicrob Agents Chemother 1983 Aug;24(2):145–6
In vitro evaluation of HR810, a new wide-spectrum aminothiazolyl alpha-methoxyimino cephalosporin. Jones RN, et al. **Antimicrob Agents Chemother** 1984 Jun; 25(6):710–8
Antiviral effects of hygromycin B, a translation inhibitor nonpermeant to uninfected cells. Lacal JC, et al.
Antimicrob Agents Chemother 1983 Aug;24(2):273–5
Effect of inoculum size on Haemophilus influenzae type b susceptibility to new and conventional antibiotics. Laferriere C, et al. **Antimicrob Agents Chemother** 1983 Aug; 24(2):287–9
Fosfomycin inactivates its target enzyme in Escherichia coli cells carrying a fosfomycin resistance plasmid. León J, et al. **Antimicrob Agents Chemother** 1983 Aug;24(2):276–8
Potentiation of antiviral activity of acyclovir by polyene macrolide antibiotics. Malewicz B, et al.
Antimicrob Agents Chemother 1984 Jun;25(6):772–4
Effect of N, N'-dicyclohexylcarbodiimide and nigericin on Staphylococcus aureus susceptibility to gentamicin. Mandel LJ, et al. **Antimicrob Agents Chemother** 1983 Sep; 24(3):440–2
Minimal inhibitory concentrations of lucknomycin, a new polyenic derivative, for Candida and Aspergillus spp. Martínez-Quesada J, et al.
Antimicrob Agents Chemother 1983 Jul;24(1):132–3
Antibacterial activity of cefoperazone alone and in combination against cephalosporinase-producing Enterobacter cloacae. Minami S, et al.
Antimicrob Agents Chemother 1983 Jul;24(1):123–5
Determination of imipenem and cilastatin in serum by high-pressure liquid chromatography. Myers CM, et al.
Antimicrob Agents Chemother 1984 Jul;26(1):78–81
Antibiotic susceptibility patterns in Rochalimaea quintana, the agent of trench fever. Myers WF, et al.
Antimicrob Agents Chemother 1984 Jun;25(6):690–3
Antibacterial activity of coumermycin alone and in combination with other antibiotics. Neu HC, et al.
Antimicrob Agents Chemother 1984 Jun;25(6):687–9
In vitro activity of teichomycin compared with those of other antibiotics. Neu HC, et al.
Antimicrob Agents Chemother 1983 Sep;24(3):425–8
In vitro susceptibilities of five Leptospira strains to 16 antimicrobial agents. Oie S, et al.
Antimicrob Agents Chemother 1983 Dec;24(6):905–8
Resistance trends of Neisseria gonorrhoeae in the Republic of Korea. Piziak MV, et al.
Antimicrob Agents Chemother 1984 Jan;25(1):7–9
In vitro susceptibilities of 393 recent clinical isolates to WIN 49375, cefotaxime, tobramycin, and piperacillin. Pohlod DJ, et al. **Antimicrob Agents Chemother** 1984 Mar; 25(3):377–9
Bactericidal activities of chloramphenicol and eleven other antibiotics against Salmonella spp. Preblud SR, et al.
Antimicrob Agents Chemother 1984 Mar;25(3):327–30
Subinhibitory concentrations of antibiotics alter fibronectin binding to Staphylococcus aureus. Proctor RA, et al.
Antimicrob Agents Chemother 1983 Nov;24(5):823–6
Genetic and enzymatic basis of hygromycin B resistance in Escherichia coli. Rao RN, et al.
Antimicrob Agents Chemother 1983 Nov;24(5):689–95
Identification of an envelope mutation (env-10) resulting in increased antibiotic susceptibility and pyocin resistance in a clinical isolate of Neisseria gonorrhoeae. Shafer WM, et al. **Antimicrob Agents Chemother** 1984 Jun;25(6):767–9
Agar disk elution method for susceptibility testing of Mycobacterium marinum and Mycobacterium fortuitum complex to sulfonamides and antibiotics. Stone MS, et al.
Antimicrob Agents Chemother 1983 Oct;24(4):486–93
Antibiotic resistance of Erysipelothrix rhusiopathiae isolated from pigs with chronic swine erysipelas. Takahashi T, et al. **Antimicrob Agents Chemother** 1984 Mar;25(3):385–6
Mechanism of action of habekacin, a novel amino acid-containing aminoglycoside antibiotic. Tanaka N, et al. **Antimicrob Agents Chemother** 1983 Nov;24(5):797–802
Susceptibilities of enterococci to twelve antibiotics. Tofte RW, et al. **Antimicrob Agents Chemother** 1984 Apr; 25(4):532–3
Comparative in vitro activities of teichomycin and vancomycin alone and in combination with rifampin and aminoglycosides against staphylococci and enterococci. Tuazon CU, et al. **Antimicrob Agents Chemother** 1984 Apr; 25(4):411–2
Polycations sensitize enteric bacteria to antibiotics. Vaara M, et al. **Antimicrob Agents Chemother** 1983 Jul;24(1):107–13
Susceptibility of gram-negative bacteria to polymyxin B nonapeptide. Viljanen P, et al.
Antimicrob Agents Chemother 1984 Jun;25(6):701–5
Antibiotic action on phagocytosed bacteria measured by a new method for determining viable bacteria. Vosbeck K, et al. **Antimicrob Agents Chemother** 1984 Jun;25(6):735–41
In vitro comparison of Pseudomonas aeruginosa isolates with various susceptibilities to aminoglycosides and ten beta-lactam antibiotics. Wu DH, et al.
Antimicrob Agents Chemother 1984 Apr;25(4):488–90
Association of metal tolerance with multiple antibiotic resistance of bacteria isolated from drinking water. Calomiris JJ, et al. **Appl Environ Microbiol** 1984 Jun; 47(6):1238–42
Susceptibility of Saccharomyces spp. and Schwanniomyces spp. to the aminoglycoside antibiotic G418. Panchal CJ, et al. **Appl Environ Microbiol** 1984 May;47(5):1164–6
Self-transmissible plasmid in Zymomonas mobilis carrying antibiotic resistance. Walia SK, et al.
Appl Environ Microbiol 1984 Jan;47(1):198–200
Effect of the membrane active ionophore, nigericin, on motility of ram spermatozoa. Breitbart H. **Arch Androl** 1984;12(1):39–43
Growth inhibitory effect of antibiotic tetaine on yeast and mycelial forms of Candida albicans. Milewski S, et al.
Arch Microbiol 1983 Aug;135(2):130–6
Antibiotics and corneal epithelial wound healing. Petroutsos G, et al. **Arch Ophthalmol** 1983 Nov;101(11):1775–8
Inhibition by acarbose, nojirimycin and 1-deoxynojirimycin of glucosyltransferase produced by oral streptococci. Newbrun E, et al. **Arch Oral Biol** 1983;28(6):531–6
Surface water Salmonellae: serotypes and antibiotic resistance. Schwartzbrod J, et al.
Arch Roum Pathol Exp Microbiol 1983 Apr–Sep; 42(2–3):179–89
Effect of rifamycin derivatives and coumermycin A1 on in vitro RNA synthesis by African swine fever virus. Brief report. Salas ML, et al. **Arch Virol** 1983;77(1):77–80
The combined activity of ampicillin with streptomycin or chloramphenicol against Pseudomonas aeruginosa. Ghobashy AA, et al. **Arzneimittelforsch** 1984;34(3):255–7
The resistance to chemotherapeutic agents of Escherichia coli from domestic dogs and cats. Moss S, et al.
Aust Vet J 1984 Mar;61(3):82–4
Evaluation and use of a micro-broth dilution procedure for testing sensitivity of fermentative avian mycoplasmas to antibiotics. Whithear KG, et al. **Avian Dis** 1983 Oct–Dec; 27(4):937–49
Mechanism of action of the antibiotic thiolactomycin inhibition of fatty acid synthesis of Escherichia coli. Hayashi T, et al. **Biochem Biophys Res Commun** 1983 Sep 30;115(3):1108–13
Increased surface binding sites of insulin in ML236B (compactin)-resistant mutants of Chinese hamster cell line. Sato Y, et al. **Biochem Biophys Res Commun** 1983 Nov 30;117(1):13–21
Inhibition of initiation of DNA synthesis by aminoglycoside antibiotics. Tanaka N, et al.
Biochem Biophys Res Commun 1984 Jul 18;122(1):460–5
Transport and processing of beta-hexosaminidase in normal and mucolipidosis-II cultured fibroblasts. Effect of monensin and nigericin. Vladutiu GD. **Biochem J** 1984 Feb 15;218(1):261–8
Further studies of the response of kidney lysosomes to aminoglycosides and other cations. Powell JH, et al.
Biochem Pharmacol 1983 Nov 1;32(21):3213–20
Fidelity of the eukaryotic codon-anticodon interaction: interference by aminoglycoside antibiotics. Eustice DC, et al. **Biochemistry** 1984 Mar 27;23(7):1462–7
G-418, an elongation inhibitor of 80 S ribosomes. Bar-Nun S, et al. **Biochim Biophys Acta** 1983 Oct 13;741(1):123–7
The activity of rosoxacin, fosfomycin, cefotiam, and spectinomycin on beta-lactamase producing Neisseria gonorrhoeae. Dickgiesser N, et al. **Br J Vener Dis** 1984 Jun;60(3):154–6
Antibiotic resistance in Serratia marcescens [editorial] Sleigh JD. **Br Med J [Clin Res]** 1983 Dec 3;287(6406):1651–2
The effect of antibiotics against bovine mycoplasmas and ureaplasmas. Truscott RB, et al. **Can J Comp Med** 1984 Apr;48(2):171–4
Effects of chetomin on growth and acidic fermentation products of rumen bacteria. Jen WC, et al.
Can J Microbiol 1983 Oct;29(10):1399–404
Isolation of nonlysogenic bacteria from lambda-lysogenized strains using antibiotic-resistant phage. Kordyum VA, et al. **Can J Microbiol** 1984 Jan;30(1):74–6
Aquatic and clinical staphylococcal characterization and associated antibiotic, heavy metal, and chlorine sensitivities. Brown NE, et al. **Can J Public Health** 1984 Jan–Feb; 75(1):32–42
Effects of aminoglycoside antibiotics on lysosomal enzymes of rat kidney. Aramaki Y, et al.
Chem Pharm Bull (Tokyo) 1983 Sep;31(9):3277–83
Activity of cefsulodin, other beta-lactams, and aminoglycosides against Pseudomonas aeruginosa. Chandrasekar PH, et al. **Chemotherapy** 1984;30(3):165–9
Ceftazidime: in vitro comparison with cephalothin, cefuroxime, and netilmicin. A Norwegian study. Digranes A, et al. **Chemotherapy** 1984;30(2):113–8
Antibiotic susceptibility of community hospital blood culture isolates of gram-negative bacilli. Gordon RC, et al.
Chemotherapy 1984;30(1):40–3
Enhancement of R-plasmid-determined resistance to aminoglycoside antibiotics by R-plasmid nitrofurantoin resistance in Escherichia coli. Obaseiki-Ebor EE, et al.
Chemotherapy 1984;30(2):92–6
The activity of ceftazidime, other beta-lactams, and aminoglycosides against Pseudomonas aeruginosa. Rolston KV, et al. **Chemotherapy** 1984;30(1):31–4
Fosfomycin-induced protoplasts and L-forms of Staphylococcus aureus. Schmid EN. **Chemotherapy** 1984; 30(1):35–9
In vitro antibiotic susceptibility of Legionellaceae: search for alternative antimicrobial drugs. Traub WH, et al.
Chemotherapy 1984;30(3):182–7
Gentamicin- and methicillin-resistant, clinical isolates of Staphylococcus aureus: comparative in vitro and in vivo efficacy of alternative antimicrobial drugs. Traub WH, et al. **Chemotherapy** 1984;30(2):102–12
Bacterial resistance to antibiotics. Datta N.
Ciba Found Symp 1984;102:204–18
Evolutionary relationships among genes for antibiotic resistance. Davies J, et al. **Ciba Found Symp** 1984; 102:219–32
Experimental study of antibiotic-induced immunosuppression in mice. 1. Humoral and cell-mediated immune responsiveness related to in vivo antibiotic treatment. Voiculescu C, et al.
Comp Immunol Microbiol Infect Dis 1983;6(4):291–9
Experimental study of antibiotic-induced immunosuppression in mice. II. Th, Ts and NC cell involvement. Voiculescu C, et al. **Comp Immunol Microbiol Infect Dis** 1983; 6(4):301–12
The effect of cotrimoxazole on oral contraceptive steroids in women. Grimmer SF, et al. **Contraception** 1983 Jul; 28(1):53–9
Translational attenuation: the regulation of bacterial resistance to the macrolide-lincosamide-streptogramin B antibiotics. Dubnau D. **CRC Crit Rev Biochem** 1984; 16(2):103–32 (142 ref.)
Clinical evaluation of new AMS GSC plus card. Dudley M, et al. **Diagn Microbiol Infect Dis** 1983 Jun;1(2):139–43
Susceptibility testing of anaerobic bacteria. Finegold SM, et al. **Diagn Microbiol Infect Dis** 1983 Mar;1(1):33–40
Emergence of Streptococcus faecalis isolates with high-level resistance to multiple aminocyclitol aminoglycosides. Ikeda DP, et al. **Diagn Microbiol Infect Dis** 1984 Jun;2(3):171–7
Discrepancies between in vitro activity of and in vivo response to antimicrobial agents. Washington JA 2d.
Diagn Microbiol Infect Dis 1983 Mar;1(1):25–31
Comparison of virginiamycin and salinomycin as growth promoters in growing-fattening pigs. De Wilde RO.
DTW 1984 Jan 9;91(1):22–4

Purine de novo synthesis in liver and developing rat brain, and the effect of some inhibitors of purine nucleotide interconversion. Allsop J, et al. **Enzyme** 1983;30(3):172–80

Drug susceptibility of mycobacterium tuberculosis isolates in Asmara. Lemma E, et al. **Ethiop Med J** 1984 Apr; 22(2):105–6

In vitro activity of ticarcillin plus clavulanic acid against bacteria isolated in three centers. Barry AL, et al. **Eur J Clin Microbiol** 1984 Jun;3(3):203–6

In vitro activity of ceftizoxime combined with aminoglycosides against clinical bacterial strains [letter] Diez Enciso M, et al. **Eur J Clin Microbiol** 1984 Jun; 3(3):219–20

In vitro activity of teicoplanin and vancomycin against anaerobes [letter] Glupczynski Y, et al. **Eur J Clin Microbiol** 1984 Feb;3(1):50–1

In vitro phagocytosis of Candida albicans by human polymorphonuclear phagocyte monolayers pretreated with anti-pseudomonal antibiotics [letter] Hawkey PM, et al. **Eur J Clin Microbiol** 1983 Aug;2(4):358–9

A modified method for testing the antimicrobial susceptibility of anaerobic gram-positive cocci [letter] Kaufman A, et al. **Eur J Clin Microbiol** 1984 Jun;3(3):217–9

Antibiotics and phagocytosis. Milatovic D. **Eur J Clin Microbiol** 1983 Oct;2(5):414–25 (33 ref.)

Detection of resistant isolates of Campylobacter jejuni by the disc susceptibility method [letter] Rogol M, et al. **Eur J Clin Microbiol** 1984 Feb;3(1):40–2

In vitro susceptibility of Eikenella corrodens to thirteen beta-lactam antibiotics and fosfomycin [letter] Schröter G, et al. **Eur J Clin Microbiol** 1983 Dec;2(6):608–9

Comparison of the antibacterial in vitro and in vivo activity of ofloxacin (HOE 280 DL 8280) and nalidixic acid analogues. Seibert G, et al. **Eur J Clin Microbiol** 1983 Dec; 2(6):548–53

Elimination of mycoplasmas from cell cultures and establishment of mycoplasma-free cell lines. Schmidt J, et al. **Exp Cell Res** 1984 Jun;152(2):565–70

Effect of nigericin on distribution of sodium, potassium and calcium ion in rabbit lens. Horiuchi M, et al. **Exp Eye Res** 1983 Nov;37(5):439–45

Ionophoric activity of the antibiotic X.14547 A in the mitochondrial membrane. Guyot J, et al. **Experientia** 1984 Jun 15;40(6):551–3

Antimicrobial effects of esters and amides of 3-(5-nitro-2-furyl)acrylic acid. Kellová G, et al. **Folia Microbiol (Praha)** 1984;29(1):23–34

The instability of plasmid pON5300 after its transformation into Escherichia coli K 12. Navrátil O, et al. **Folia Microbiol (Praha)** 1983;28(4):249–52

Potentiation of mitomycin C, 6-mercaptopurine, bleomycin, cis-diamminedichloroplatinum and 5-fluorouracil by mycotrienins and mycotrienols. Kuwano M, et al. **Gann** 1983 Oct;74(5):759–66

Plasmid-encoded hygromycin B resistance: the sequence of hygromycin B phosphotransferase gene and its expression in Escherichia coli and Saccharomyces cerevisiae. Gritz L, et al. **Gene** 1983 Nov;25(2-3):179–88

Expression in Streptomyces ambofaciens of an Escherichia coli K-12 gene which confers resistance to hygromycin B. Kuhstoss S, et al. **Gene** 1983 Dec;26(2-3):295–9

Drug-resistant H influenzae: a growing geriatric problem. Gleckman RA, et al. **Geriatrics** 1984 Sep;39(9):51–3, 56–8, 60

Long term effect of antibiotics on glutathione and ceruloplasmin content in the rat. Deshmukh VK, et al. **Hindustan Antibiot Bull** 1983 Feb-May;25(1-2):57–9

In vitro studies of antibiotic (KT-199) on the hatching of eggs and survival of larvae of Meloidogyne incognita (Kofoid & White) Chitwood. Gowda DN, et al. **Hindustan Antibiot Bull** 1983 Aug-Nov;25(3-4):122–4

Studies on the efficacy of the antihelminthic antibiotic (KT-199) in the control of root-knot nematode Meloidogyne incognita (Kofoid and White) Chitwood on tomato. Nanje Gowda D, et al. **Hindustan Antibiot Bull** 1984 Feb-May;26(1-2):14–7

Polysaccharide production by certain antibiotic resistant mutants of Rhizobium sp (Cowpea miscellany). Papavinasasundaram KG, et al. **Hindustan Antibiot Bull** 1983 Feb-May;25(1-2):25–8

Effect of antibiotics on certain cell wall degrading enzymes of Rhizopus nodosus and Phytophthora nicotianae. Saxena N, et al. **Hindustan Antibiot Bull** 1983 Feb-May; 25(1-2):21–4

Transferable multiple drug resistance in Klebsiella pneumoniae. Bhatia R, et al. **Indian J Med Res** 1983 Jul; 78:7–11

Transfer of antimicrobial resistance in Serratia marcescens. Bhujwala RA, et al. **Indian J Med Res** 1984 Jan;79:22–7

Antibiotic resistance of urease & phosphatase producing Gram negative bacilli. Rao RR, et al. **Indian J Med Res** 1983 Jun;77:798–801

Beta-lactamases of five multiresistant Staphylococcus aureus. Ray B, et al. **Indian J Med Res** 1984 Jan;79:41–5

Klebocin types & antimicrobial resistance of clinical isolates of Klebsiella pneumoniae at Bombay. Telang VP, et al. **Indian J Med Res** 1983 Sep;78:331–6

In vitro susceptibility of Pseudomonas aeruginosa to new antibiotics. Baveja UK, et al. **Indian J Med Sci** 1983 Aug; 37(8):129–32

Antimicrobial susceptibility tests on Clostridia. Kinariwala G, et al. **Indian J Pathol Microbiol** 1983 Oct;26(4):229–33

Comparison of a rapid antibiotic sensitivity testing using tetrazolium dyes with standard Kirby-Bauer technique. Setty CR, et al. **Indian J Pathol Microbiol** 1983 Jul; 26(3):205–8

Antibiotic resistance in intensive care unit areas. Daschner F, et al. **Infect Control** 1983 Sep-Oct;4(5):382–7

The pharmacology of aminoglycosides: II. Distinctions among the agents. Geller RJ, et al. **Infect Control** 1984 Jun;5(6):298–302 (43 ref.)

Environmental factors contributing to antibiotic resistance. Phillips I. **Infect Control** 1983 Nov-Dec;4(6):448–51

Mechanisms of antibiotic resistance and their dissemination of resistance genes in the hospital environment. Wiedemann B. **Infect Control** 1983 Nov-Dec;4(6):444–7

Antibiotic susceptibility of bacteria commonly isolated from the upper respiratory tract [letter] Brorson JE, et al. **Infection** 1983 Sep-Oct;11(5):287–8

Antibacterial activity and kill kinetics of amoxicillin-clavulanic acid combinations against Escherichia coli and Klebsiella aerogenes. Fuglesang JE, et al. **Infection** 1983 Nov-Dec;11(6):329–35

Effects of macrolide antibiotics on drug metabolism in rats and in humans. Pessayre D. **Int J Clin Pharmacol Res** 1983; 3(6):449–58 (39 ref.)

New antibiotics. New hopes and new problems. Eng RH. **Int J Dermatol** 1984 Apr;23(3):153–65 (82 ref.)

In vitro sensitivity of virulent Acanthamoeba culbertsoni to a variety of drugs and antibiotics. Ferrante A, et al. **Int J Parasitol** 1984 Feb;14(1):53–6

Occurrence of Haemophilus influenzae strains in children with respiratory tract infections. Gutkowska J, et al. **Int J Pediatr Otorhinolaryngol** 1983 Dec;6(3):279–83

Susceptibility of Bacteroides nodosus to various antimicrobial agents. Gradin JL, et al. **J Am Vet Med Assoc** 1983 Aug 15;183(4):434–7

In vitro susceptibilities of canine urinary bacteria to selected antimicrobial agents. Rohrich PJ, et al. **J Am Vet Med Assoc** 1983 Oct 15;183(8):863–7

Effect of space allowance and antibiotic feeding on performance of nursery pigs. NCR-89 committee on confinement management of swine. **J Anim Sci** 1984 Apr; 58(4):801–4

Multiple antibiotic resistance in fecal, cecal and colonic coliforms from pigs fed therapeutic and subtherapeutic concentrations of chlortetracycline. Dawson KA, et al. **J Anim Sci** 1983 Nov;57(5):1225–34

Tiamulin feed medication for the maintenance of weight gains in the presence of mycoplasmal pneumonia in swine. Hsu FS, et al. **J Anim Sci** 1983 Dec;57(6):1474–8

Antibiotic resistance of fecal coliforms from swine fed subtherapeutic and therapeutic levels of chlortetracycline. Langlois BE, et al. **J Anim Sci** 1984 Mar;58(3):666–74

An effect of fosfomycin on the pharmacokinetics of amikacin. Fujita K. **J Antibiot (Tokyo)** 1984 Apr;37(4):408–12

Inhibition of DNA replication and membrane transport of some nutrients by clazamycin in Escherichia coli. Hori M, et al. **J Antibiot (Tokyo)** 1984 Mar;37(3):260–6

Aminoglycoside-induced modifications of membrane phosphoinositide metabolism. A comparative study. Marche P, et al. **J Antibiot (Tokyo)** 1984 Jul;37(7):809–12

Ribosome-binding activities and antimicrobial activities of tylosin and its related compounds. Omura S, et al. **J Antibiot (Tokyo)** 1983 Dec;36(12):1709–12

Comparison of tube dilution and microtitre methods for the detection of antibiotic tolerance in strains of Staphylococcus aureus. Ampel NM, et al. **J Antimicrob Chemother** 1984 May;13(5):417–21

International collaborative study on standardization of bacterial sensitivity to fosfomycin. Andrews JM, et al. **J Antimicrob Chemother** 1983 Oct;12(4):357–61

Comparative activity of imipenem (N-formimidoyl thienamycin) on enterococci and its interactions with aminoglycosides. Aznar J, et al. **J Antimicrob Chemother** 1984 Feb;13(2):129–32

Synergy with double and triple antibiotic combinations compared. Berenbaum MC, et al. **J Antimicrob Chemother** 1983 Dec;12(6):555–63

Synergy of azlocillin with aminoglycosides. Chin NX, et al. **J Antimicrob Chemother** 1983 May;11 Suppl B:33–8

An evaluation of recently developed antibiotics. Fernandes CJ, et al. **J Antimicrob Chemother** 1983 Dec;12(6):577–85

Potentiation of phagocytosis of pathogenic bacteria by exposure to low concentrations of antibiotics. Gemmell CG. **J Antimicrob Chemother** 1984 May;13(5):407–9

Regulation of protein A biosynthesis in Staphylococcus aureus by certain antibiotics: its effect on phagocytosis by leukocytes. Gemmell CG, et al. **J Antimicrob Chemother** 1983 Dec;12(6):587–97

Species identification and antibiotic sensitivity of coagulase-negative staphylococci from CAPD peritonitis. Gruer LD, et al. **J Antimicrob Chemother** 1984 Jun; 13(6):577–83

Providencia stuartii: a review of a multiply antibiotic-resistant bacterium. Hawkey PM. **J Antimicrob Chemother** 1984 Mar;13(3):209–26 (118 ref.)

Impact of phenoxymethylpenicillin, erythromycin, clindamycin and doxycycline on Streptococcus salivarius in the oropharynx. Heimdahl A, et al. **J Antimicrob Chemother** 1984 May;13(5):505–9

The effects of subinhibitory concentrations of various antibiotics on phagocytosis of Streptococcus faecalis. Kennedy EM, et al. **J Antimicrob Chemother** 1983 Oct;12 Suppl C:69–74

In-vitro evaluation of miokamycin: bactericidal activity against streptococci. Lacey RW, et al. **J Antimicrob Chemother** 1984 Jan;13(1):5–13

Non-specific host defence stimulation and antibiotic-resistant infection. Lamont PM, et al. **J Antimicrob Chemother** 1983 Oct;12 Suppl C:117–22

Antibiotic resistance amongst various types of Haemophilus species. Mehtar S, et al. **J Antimicrob Chemother** 1983 Dec; 12(6):565–70

Aspects of the biochemistry of antimicrobial action. Nichols WW. **J Antimicrob Chemother** 1984 Mar;13(3):200–4

Effects of antibiotics on polymorphonuclear leukocyte chemiluminescence and chemotaxis. Oleske JM, et al. **J Antimicrob Chemother** 1983 Oct;12 Suppl C:35–8

Antibiotic resistance and Haemophilus influenzae. Philpott-Howard J. **J Antimicrob Chemother** 1984 Mar; 13(3):199–200

Effects of subinhibitory concentrations of antibiotics on Staphylococcus aureus interactions with fibronectin. Proctor RA, et al. **J Antimicrob Chemother** 1983 Oct;12 Suppl C:85–95

The activity of miokamycin (MOM) against Chlamydia trachomatis and mycoplasmas in vitro. Ridgway GL, et al. **J Antimicrob Chemother** 1983 Nov;12(5):511–4

Antimicrobial tolerance in group C and group G streptococci. Rolston KV, et al. **J Antimicrob Chemother** 1984 Apr;13(4):389–92

Effects of subinhibitory antibiotics on bactericidal activity of chronic granulomatous disease granulocytes in vitro. Silva J Jr, et al. **J Antimicrob Chemother** 1983 Oct;12 Suppl C:21–7

Aminoglycoside resistance [letter] Spencer RC, et al. **J Antimicrob Chemother** 1984 Mar;13(3):301

Susceptibility to mecillinam and other antibiotics and serogroups of enterotoxigenic Escherichia coli from children in Addis Ababa. Stintzing G, et al. **J Antimicrob Chemother** 1983 Nov;12(5):469–74

Branhamella catarrhalis: antibiotic sensitivities and beta-lactamases. Stobberingh EE, et al. **J Antimicrob Chemother** 1984 Jan;13(1):55–64

Observations on the in vitro sensitivity and resistance of Gram positive intestinal bacteria of farm animals to growth promoting antimicrobial agents. Dutta GN, et al. **J Appl Bacteriol** 1984 Feb;56(1):117–23

Performance of a semi-automated antibiotic susceptibility testing system (ABAC). Lamp RP, et al. **J Appl Bacteriol** 1983 Oct;55(2):209–14

A note on the determination of antibiotic susceptibility of invasive strains of Proteus by a simple agar dilution method. Zemelman R, et al. **J Appl Bacteriol** 1983 Oct;55(2):371–2

Esterastin: a potent inhibitor of lysosomal acid lipase. Imanaka T, et al. **J Biochem (Tokyo)** 1983 Sep; 94(3):1017–20

The action of virginiamycin M on the acceptor, donor, and catalytic sites of peptidyltransferase. Chinali G, et al. **J Biol Chem** 1984 Aug 10;259(15):9563–8

Analysis of fluorescence quenching of ribosome-bound virginiamycin S. Di Giambattista M, et al. **J Biol Chem** 1984 May 25;259(10):6334–9

Cathepsin D and beta-hexosaminidase synthesized in the presence of 1-deoxynojirimycin accumulate in the endoplasmic reticulum. Lemansky P, et al. **J Biol Chem** 1984 Aug 25;259(16):10129–35

Inhibition of clathrin-coated vesicle acidification by duramycin. Stone DK, et al. **J Biol Chem** 1984 Mar 10; 259(5):2701–3

A simple distribution scheme for a two antibiotic combination. Cantet PY, et al. **J Biol Stand** 1984 Jan; 12(1):25–8

Rapid antimicrobial susceptibility testing of Gram-negative clinical isolates with the AutoMicrobic system. Backes BA, et al. **J Clin Microbiol** 1984 Jun;19(6):744–7

Proposed zone standards for interpretation of fortimicin A disk diffusion tests. Barry AL, et al. **J Clin Microbiol** 1983 Aug;18(2):440–2

Disk diffusion antimicrobial susceptibility testing of members of the family Legionellaceae including erythromycin-resistant variants of Legionella micdadei. Dowling JN, et al. **J Clin Microbiol** 1984 Jun;19(6):723–9

Aminoglycoside resistance among blood culture isolates. Huovinen P, et al. **J Clin Microbiol** 1984 Jul;20(1):65–9

Rapid identification of antibiotic-resistant corynebacteria with the API 20S system. Kelly MC, et al. **J Clin Microbiol** 1984 Feb;19(2):245–7

Evaluation of the Precept microdilution MIC system for single-drug testing in individual trays. Lairscey RG, et al. **J Clin Microbiol** 1984 Mar;19(3):318–20

Inoculum preparation for anaerobic susceptibility tests. Murray PR, et al. **J Clin Microbiol** 1983 Sep;18(3):733–4

Identification, clinical distribution, and susceptibility to methicillin and 18 additional antibiotics of clinical Staphylococcus isolates: nationwide investigation in Italy. Varaldo PE, et al. **J Clin Microbiol** 1984 Jun;19(6):838–43

Effectiveness of the antimicrobial removal device, BACTEC 16B medium, and thiol broth in neutralizing antibacterial activities of imipenem, norfloxacin, and related agents. Weinberg E, et al. **J Clin Microbiol** 1984 Feb;19(2):207–9

Unusual susceptibility of methicillin-resistant Staphylococcus aureus to erythromycin, clindamycin, gentamicin, and tetracycline at 30 degrees C but not at 35 degrees C. Welch WD, et al. **J Clin Microbiol** 1984 Jun;19(6):831–3

Accuracy of methods used for susceptibility testing of Haemophilus influenzae in United Kingdom laboratories. Philpott-Howard J, et al. **J Clin Pathol** 1983 Oct; 36(10):1105–10

Comparison of antibiotic susceptibility results obtained with Adatab and disc methods. Snell JJ, et al. **J Clin Pathol** 1984 Sep;37(9):1059–65

Hare-grouping and antibiotic sensitivity of anaerobic streptococci isolated from genital tract. Gupta S, et al. **J Commun Dis** 1983 Jun;15(2):80–5

Comparison of disc diffusion and agar plate dilution method of antibiotic sensitivity test for Staphylococcus aureus strains. Ray K, et al. **J Commun Dis** 1983 Mar;15(1):20–5

Evidence for intravesicular beta-adrenergic receptors in membrane fractions from desensitized cells: binding of the hydrophilic ligand CGP-12177 only in the presence of alamethicin. Hertel C, et al. **J Cyclic Nucleotide Protein Phosphor Res** 1983;9(2):119–28

Contribution of molecular biology to the understanding and control of microbial infections. Pittard AJ. **J Dent Res** 1984 Mar;63(3):374–7

Characterization of high-level aminoglycoside resistance in a strain of Streptococcus pneumoniae. Collatz E, et al. **J Gen Microbiol** 1984 Jul;130 (Pt 7):1665–71

Chromosomal loci associated with antibiotic hypersensitivity in pulmonary isolates of Pseudomonas aeruginosa. Fyfe JA, et al. **J Gen Microbiol** 1984 Apr;130 (Pt 4):825–34

Resistance to apramycin in Escherichia coli isolated from animals: detection of a novel aminoglycoside-modifying enzyme. Hedges RW, et al. **J Gen Microbiol** 1984 Mar;130 (Pt 3):473–82

Interactions of ribosomal antibiotics and informational suppressors of Aspergillus nidulans. Martinelli SD. **J Gen Microbiol** 1984 Mar;130 (Pt 3):575–82

Identification of Tn2401, a transposon encoding multiresistance to aminoglycosides. Schmidt F, et al. **J Gen Microbiol** 1983 May;129 (Pt 5):1527–36

Antibiotic susceptibility of Legionella pneumophia Philadelphia–1 in cultured guinea–pig peritoneal macrophages. Yoshida S, et al. **J Gen Microbiol** 1984 Apr; 130 (Pt 4):901–6

Efficacy of transfer of antibiotic resistance determinants in Staphylococcus aureus strains in mixed culture of donor and recipient cells. Janošek J. **J Hyg Epidemiol Microbiol Immunol** 1984;28(2):223–8

R plasmids in the newborns: transfer of multiple antibiotic resistance from Pseudomonas aeruginosa to Enterobacteria. Sečkárová A, et al. **J Hyg Epidemiol Microbiol Immunol** 1984;28(2):229–33

R plasmids conferring multiple drug resistance from shigella isolated in Korea. Chun D, et al. **J Hyg (Lond)** 1984 Apr; 92(2):153–60

Antibiotic sensitivity of enteropathogenic bacteria isolated from patients in a Sharjah hospital. Damjanovic V, et al. **J Hyg (Lond)** 1984 Apr;92(2):205–8

Resistance of Escherichia coli in faeces and the use of antimicrobial agents in the treatment of hospital patients. Degener JE, et al. **J Hyg (Lond)** 1983 Dec;91(3):491–8

Stability of aminoglycoside resistance in vitro in gentamicin–resistant Staphylococcus aureus. Dixson S, et al. **J Hyg (Lond)** 1984 Aug;93(1):43–9

Interspecific co–transfer of antibiotic resistance plasmids in staphylococci in vivo. Naidoo J. **J Hyg (Lond)** 1984 Aug; 93(1):59–66

Transferable plasmid–mediated drug resistance among non–O1 Vibrio cholerae and rough strains of Vibrio cholerae from Tamilnadu, India. Sundaram S, et al. **J Hyg (Lond)** 1984 Feb;92(1):59–65

Some newer antibiotics. Kohler RB, et al. **J Indiana State Med Assoc** 1983 Sep;76(9):573–8

Antibiotic resistance of Corynebacterium diphtheriae in West Africa [letter] Denis F, et al. **J Infect** 1983 Nov;7(3):279–81

Comparison of enzyme–mediated aminoglycoside resistance in gram–negative bacilli isolated in Turkey and the United States. Akalin HE, et al. **J Infect Dis** 1983 Dec;148(6):1128

Synergy assessment with growth curves [letter] Berenbaum MC. **J Infect Dis** 1984 Aug;150(2):304

Antibiotic selection pressure resulting in multiple antibiotic resistance and localization of resistance determinants to conjugative plasmids in streptococci. Christie PJ, et al. **J Infect Dis** 1984 Jan;149(1):74–82

Influence of bacterial–antibiotic interactions on subsequent antimicrobial activity of alveolar macrophages. Hand WL, et al. **J Infect Dis** 1984 Feb;149(2):271–6

Plasmids mediating resistance to chloramphenicol, trimethoprim, and ampicillin in Salmonella typhi strains isolated in the Southeast Asian region. Ling J, et al. **J Infect Dis** 1984 Apr;149(4):652

Bactericidal effect of polymorphonuclear neutrophils on antibiotic–induced filaments of gram–negative bacilli. Lorian V, et al. **J Infect Dis** 1984 May;149(5):719–27

Toxicity of cyclic peptide antibiotics to larvae of Aedes aegypti. Nickerson KW, et al. **J Invertebr Pathol** 1983 Nov; 42(3):407–9

The influence of aminoglycoside antibiotics on the in vitro function of rat liver ribosomes. Loveless MO, et al. **J Lab Clin Med** 1984 Feb;103(2):294–303

An in vitro study of new antibiotic: thienamycin. Patamasucon P, et al. **J Med Assoc Thai** 1983 Nov; 66(11):708–12

Inhibition of aminopeptidases by amastatin and bestatin derivatives. Effect of inhibitor structure on slow–binding processes. Rich DH, et al. **J Med Chem** 1984 Apr; 27(4):417–22

Antibiotic susceptibilities and plasmid profiles of nosocomial methicillin–resistant Staphylococcus aureus: a retrospective study. Gillespie MT, et al. **J Med Microbiol** 1984 Jun; 17(3):295–310

Molecular epidemiology of multiresistant Staphylococcus aureus in Australian hospitals. Lyon BR, et al. **J Med Microbiol** 1984 Feb;17(1):79–89

Correlation of penicillinase production with phage type and susceptibility to antibiotics and heavy metals in Staphylococcus aureus. Rosdahl VT, et al. **J Med Microbiol** 1983 Nov;16(4):391–9

Modulation of production of hepatitis B surface antigen by a human hepatoma cell line. Clementi M, et al. **J Med Virol** 1984;13(2):117–23

Tunicamycins, streptovirudins, and corynetoxins, a special subclass of nucleoside antibiotics. Eckardt K. **J Nat Prod** 1983 Jul–Aug;46(4):544–50

Comparative effects of selected phenothiazine tranquilizers and antihistaminics on bacterial cells and possible interactions with antibiotics. Shibl AM, et al. **J Pharm Sci** 1984 Jun;73(6):841–3

Quantum mechanical calculations useful for determining the mechanism of action of fosfomycin. Smeyers YG, et al. **J Pharm Sci** 1983 Sep;72(9):1011–4

Impairment of membrane phosphoinositide metabolism by aminoglycoside antibiotics: streptomycin, amikacin, kanamycin, dibekacin, gentamicin and neomycin. Marche P, et al. **J Pharmacol Exp Ther** 1983 Nov;227(2):415–20

Correlation of antibiogram, phage typing and penicillinase production of Staphylococcus aureus isolated from clinical material. Sunderrajan P, et al. **J Postgrad Med** 1984 Jan; 30(1):33–7

The effects of combinations of selected antibiotics on the growth of Corynebacterium equi. Prescott JF, et al. **J Vet Pharmacol Ther** 1984 Mar;7(1):61–4

The effect of antibiotics on mannose–resistant haemagglutination by K88– and K99–positive Escherichia coli strains. Søgaard H, et al. **J Vet Pharmacol Ther** 1983 Sep;6(3):187–93

Alterations of the intestinal microflora by diet, oral antibiotics, and Lactobacillus: decreased production of free amines from aromatic nitro compounds, azo dyes, and glucuronides. Goldin BR, et al. **JNCI** 1984 Sep; 73(3):689–95

Antibiotic sensitivity pattern in bacterial endocarditis. Haq G, et al. **JPMA** 1983 Jun;33(6):129–32

In vitro investigation regarding the antibacterial effects of immunoglobulin alone and in combination with antibiotics. Katsunuma H. **Kansenshogaku Zasshi** 1984 Mar;58(3):230–8

Antibiotic sensitivity patterns of Campylobacter jejuni/coli isolated from laboratory animals and pets. Fox JG, et al. **Lab Anim Sci** 1984 Jun;34(3):264–7

Ansamycin activity against rifampicin–resistant Mycobacterium leprae [letter] Hastings RC, et al. **Lancet** 1984 May 19;1(8386):1130

Activity of ansamycin against Mycobacterium leprae in mice [letter] Hastings RC, et al. **Lancet** 1983 Nov 5; 2(8358):1079–80

Quinolones and raised plasma concentrations of theophylline [letter] Maesen FP, et al. **Lancet** 1984 Sep 1;2(8401):530

Resistant Shigella dysenteriae [letter] Panhotra BR, et al. **Lancet** 1983 Dec 17;2(8364):1420

Serratia marcescens: biochemical characteristics, antimicrobial sensitivity and clinical significance. Puthucheary SD, et al. **Malays J Pathol** 1981 Aug;4:35–41

Inhibitors of glycoprotein synthesis. Elbein AD. **Methods Enzymol** 1983;98:135–54

Antibacterial activity of aztreonam: a synthetic monobactam. A comparative study with thirteen other antibiotics. Paradelis AG, et al. **Methods Find Exp Clin Pharmacol** 1983 Jul–Aug;5(6):375–83

DNA sequence and regulation of ermD, a macrolide–lincosamide–streptogramin B resistance element from Bacillus licheniformis. Gryczan T, et al. **MGG** 1984; 194(3):349–56

Induction of macrolide–lincosamide–streptogramin B resistance requires ribosomes able to bind inducer. Gryczan TJ, et al. **MGG** 1984;194(3):357–61

Evolutionary relationships of the Bacillus licheniformis macrolide–lincosamide–streptogramin B resistance elements. Israeli–Reches M, et al. **MGG** 1984;194(3):362–7

Mechanism of antibiotic resistance in Mycobacterium intracellulare. Mizuguchi Y, et al. **Microbiol Immunol** 1983; 27(5):425–31

Sensitivities of wild–type and envelope–defective strains of Escherichia coli and Pseudomonas aeruginosa to antibacterial agents. El–Falaha BM, et al. **Microbios** 1983; 38(152):99–105

Simple devices for measuring antibiotic zone inhibition. Mates A. **Microbios** 1983;38(151):43–9

The mechanism of action of quinone antibiotics. Lown JW. **Mol Cell Biochem** 1983;55(1):17–40 (107 ref.)

Action of oligomycin on cultured mammalian cells. Permeabilization to translation inhibitors. Otero MJ, et al. **Mol Cell Biochem** 1984;61(2):183–91

In vitro activity of ribostamycin against Prototheca sp. Casal M, et al. **Mycopathologia** 1983;83(1):21–3

Drug–resistant Salmonella from animals fed antimicrobials. Holmberg SD, et al. **N Engl J Med** 1984 Sep 6; 311(10):617–22

Plasmids of the same Inc groups in Enterobacteria before and after the medical use of antibiotics. Datta N, et al. **Nature** 1983 Dec 8–14;306(5943):616–7

The identity and in vitro antibiotic sensitivity of aerobic gram–negative rods in a community hospital. Ellenbogen C, et al. **NC Med J** 1984 Jan;45(1):19–22

Drug susceptibility of Haemophilus pleuropneumoniae strains isolated from pigs. Inoue A, et al. **Nippon Juigaku Zasshi** 1984 Apr;46(2):175–80

Drug–resistance and distribution of conjugative R plasmids in Escherichia coli strains isolated from healthy adult animals and humans. Kanai H. **Nippon Juigaku Zasshi** 1983 Apr;45(2):171–8

Conversion of cryptic plasmids into R plasmids in drug sensitive Escherichia coli isolated from laboratory mice and rats. Shimoda K, et al. **Nippon Juigaku Zasshi** 1984 Apr; 46(2):181–7

Analysis of a bacterial hygromycin B resistance gene by transcriptional and translational fusions and by DNA sequencing. Kaster KR, et al. **Nucleic Acids Res** 1983 Oct 11;11(19):6895–911

Antibiotic resistance among Staphylococcus aureus in New Zealand [letter] Heffernan HM, et al. **NZ Med J** 1984 Jun 27;97(758):418–9

Disinfection of human heart valve allografts with antibiotics in low concentration. Strickett MG, et al. **Pathology** 1983 Oct;15(4):457–62

Antibiotic resistance in Haemophilus influenzae. Smith AL. **Pediatr Infect Dis** 1983 Sep–Oct;2(5):352–5 (29 ref.)

Activity of antibiotics in chronic granulomatous disease leukocytes. Jacobs RF, et al. **Pediatr Res** 1983 Nov; 17(11):916–9

Amastatin potentiates the behavioral effects of vasopressin and oxytocin in mice. Meisenberg G, et al. **Peptides (Fayetteville)** 1984 May–Jun;5(3):535–9

Antiarrhythmic and cardiovascular actions of the new antibiotic agent pirlimycin adenylate. Kopia GA, et al. **Pharmacology** 1983;27(5):255–66

Cloning and expression in minicells of the determinant of resistance to fosfomycin from the transposon Tn2921. García–Lobo JM, et al. **Plasmid** 1984 May;11(3):243–7

Broiler chick growth response to antibiotics, 1981–1982. Dafwang II, et al. **Poult Sci** 1984 May;63(5):1027–32

The effect of feeding diets containing avoparcin and monensin on the occurrence of Salmonella in caecum and liver in experimentally infected chickens. Holmberg T, et al. **Poult Sci** 1984 Jun;63(6):1144–8

Long–term broiler performance with bambermycins and bambermycins plus roxarsone. Johnston NL, et al. **Poult Sci** 1983 Jul;62(7):1189–94

Virginiamycin and broiler performance. Miles RD, et al. **Poult Sci** 1984 Jun;63(6):1218–21

In vitro and in vivo evaluations of the antibiotic efrotomycin. Stutz MW, et al. **Poult Sci** 1983 Aug;62(8):1612–8

Effect of the antibiotic thiopeptin on Clostridium perfringens and growth and feed efficiency of broiler chicks. Stutz MW, et al. **Poult Sci** 1983 Aug;62(8):1633–8

The use of a human donor flora for recontamination following antibiotic decontamination. Heidt PJ, et al. **Prog Food Nutr Sci** 1983;7(3–4):53–63

Comparison of susceptibilities of anaerobic bacteria determined by agar dilution and by a microbroth method. Baron EJ, et al. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl 1:S249–53

The impact of different antimicrobial agents on the normal gastrointestinal microflora of humans. Nord CE, et al. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl 1:S270–5

Antimicrobial susceptibility testing of anaerobic bacteria. Rosenblatt JE. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl 1:S242–8 (43 ref.)

Evaluation of rifampin and other antibiotics against Listeria monocytogenes in vitro and in vivo. Scheld WM. **Rev Infect Dis** 1983 Jul–Aug;5 Suppl 3:S593–9

Effect of antibiotics on production of enzymes and toxins by microorganisms. Shibl AM. **Rev Infect Dis** 1983 Sep–Oct;5(5):865–75

Mechanisms of resistance and resistance transfer in anaerobic bacteria: factors influencing antimicrobial therapy. Tally FP, et al. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl 1:S260–9 (66 ref.)

Approaches to new antibacterial and antiviral antibiotics. Thrum H. **Riv Biol** 1983 Summer;76(2):349–57 (25 ref.)

A laboratory assessment of the activities of four aminoglycosides. Schrire L, et al. **S Afr Med J** 1984 Jun 9;65(23):922–4

Development of resistance following the use of antibiotics. Wiedemann B. **Scand J Gastroenterol [Suppl]** 1984;90:21–7

Frequency and type distribution of pneumococcal strains in the Stockholm region with resistance or reduced susceptibility to antibiotics. Kalin M, et al. **Scand J Infect Dis** 1984;16(1):73–8

Sensitivity of 523 blood culture isolates to 33 antibiotics. Ode B, et al. **Scand J Infect Dis** 1984;16(1):61–71

Antibiotic sensitivity of Haemophilus influenzae, Streptococcus pneumoniae, Streptococcus pyogenes and Branhamella catarrhalis isolated from upper respiratory tract infections in Sweden. Kallings I, et al. **Scand J Infect Dis [Suppl]** 1983;39:100–5

Antibacterial activity of nine oral antibiotics against Streptococcus pneumoniae, Haemophilus influenzae and Branhamella catarrhalis. Renkonen OV. **Scand J Infect Dis [Suppl]** 1983;39:106–8

Animal-to-man transmission of antimicrobial-resistant Salmonella: investigations of U.S. outbreaks, 1971-1983. Holmberg SD, et al. **Science** 1984 Aug 24;225(4664):833-5

In search of Salmonella's smoking gun [news] Sun M. **Science** 1984 Oct 5;226(4670):30-2

Antimicrobial resistance and conjugative R plasmids in Escherichia coli strains isolated from animals in Peninsular Malaysia. Koh CL, et al. **Southeast Asian J Trop Med Public Health** 1984 Mar; 15(1):37-43

Conjugal transfer of multiple antibiotic resistance from hospital isolates of Klebsiella to Escherichia coli. Koh CL, et al. **Southeast Asian J Trop Med Public Health** 1983 Sep; 14(3):336-40

Preparation of amniotic membranes for surgical use with antibiotic solutions. Gannaway WL, et al. **Surgery** 1984 May;95(5):580-5

Sequential mutagenesis of drug resistance in Streptococcus mutans during synchronous replication. Rikiishi H, et al. **Tohoku J Exp Med** 1983 Oct;141(2):155-61

Nasal carrier rates and antibiotic resistance of Staphylococcus aureus isolates from hospital and non-hospital populations, Addis Ababa. Tewodros W, et al. **Trans R Soc Trop Med Hyg** 1984;78(3):314-8

A comparison of the effect of tiamulin hydrogen fumarate and tylosin tartrate on mycoplasmas of ruminants and some animal ureaplasmas. Stipkovits L, et al. **Vet Microbiol** 1984 Apr;9(2):147-53

Effect of biologically active compounds (anthracyclines and ethidium bromide) on some membrane-mediated processes in the course of viral infection. Investigations on a prokaryotic (bacteriophage-bacterium) system. Mihalache O, et al. **Virologie** 1984 Apr-Jun;35(2):119-25

N-methyl-1-deoxynojirimycin, a novel inhibitor of glycoprotein processing, and its effect on fowl plague virus maturation. Romero PA, et al. **Virology** 1983 Oct 15; 130(1):238-42

Antimicrobial resistance in clinical isolates of Staphylococcus aureus at the University Hospital of the West Indies. Bodonaik NC, et al. **West Indian Med J** 1984 Mar; 33(1):8-13

Aminoglycoside resistance in clinical isolates of gram-negative bacilli at the University Hospital of the West Indies. Bodonaik NC. **West Indian Med J** 1983 Sep; 32(3):130-9

Bactericidal activity of antimicrobial drugs in simulated urine specimens at various temperatures of incubation. Traub WH, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Nov;255(4):494-502

The effect of dietary zinc bacitracin on the resistance status of intestinal Escherichia coli and enterococci from broiler chickens. Walton JR. **Zentralbl Veterinarmed [B]** 1984 Feb; 31(1):1-8

[Sensitivity of Pasteurella multocida strains to antibiotics and chemotherapeutic agents] Karaivanov L. **Vet Med Nauki** 1983;20(9):81-6 (Eng. Abstr.) **(Bul)**

[Antibiotic susceptibility of Pseudomonas aeruginosa] Huang PC, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1983 Nov;16(4):291-9 (Eng. Abstr.) **(Chi)**

[The sensitivity of group B streptococci (Streptococcus agalactiae) to antibacterial substances] Jedličková Z, et al. **Cesk Pediatr** 1984 May;39(5):297-9 (Eng. Abstr.) **(Cze)**

[Characterization of antibiotic resistance plasmids in 2 strains of Salmonella typhi isolated in Belgium] Chasseur-Libotte ML, et al. **Ann Microbiol (Paris)** 1983 Sep-Oct; 134(2):285-91 (Eng. Abstr.) **(Fre)**

[Fosfomycin resistance in Staphylococcus saprophyticus and other species of coagulase-negative staphylococci] Loulergue J, et al. **Ann Microbiol (Paris)** 1984 Mar-Apr; 135(2):239-47 (Eng. Abstr.) **(Fre)**

[Antibiogram of bacteria of the Clostridium genus] Magot M. **Ann Microbiol (Paris)** 1984 May-Jun;135(3):443-56 (Eng. Abstr.) **(Fre)**

[Sensitivity to fosfomycin of bacteria isolated at the Pitié-Salpétrière Hospital in 1982 and 1983] Bismuth R, et al. **Pathol Biol (Paris)** 1984 Jun;32(5 Pt 2):520-4 (Eng. Abstr.) **(Fre)**

[Antibiotic sensitivity of Streptococcus group B] Borderon JC, et al. **Pathol Biol (Paris)** 1984 Jan;32(1):35-9 (Eng. Abstr.) **(Fre)**

[Antibiotic sensitivity of meningococci isolated from patients and carriers] Dabernat H, et al. **Pathol Biol (Paris)** 1984 Jun;32(5 Pt 2):532-5 (Eng. Abstr.) **(Fre)**

[Sensitivity of Campylobacter jejuni/coli to 11 antibiotics] Elharrif Z, et al. **Pathol Biol (Paris)** 1984 Jun;32(5 Pt 2):536-9 (Eng. Abstr.) **(Fre)**

[In vitro study of the cefamandole-fosfomycin combination against methicillin-resistant staphylococci] Fosse T, et al. **Pathol Biol (Paris)** 1984 Jun;32(5 Pt 2):528-31 (Eng. Abstr.) **(Fre)**

[Evaluation of the modulatory effects of in vivo antibiotics on phagocytosis in mice using various methods] Gillissen G, et al. **Pathol Biol (Paris)** 1984 May;32(5):355-8 (Eng. Abstr.) **(Fre)**

[In vitro study of the synergistic effect of cefmenoxime-aminoglycoside combinations apropos of 148 strains of Enterobacteriaceae] Husson MO, et al. **Pathol Biol (Paris)** 1984 May;32(5):396-8 (Eng. Abstr.) **(Fre)**

[Incidence of isolation and antibiotic resistance of E. coli responsible for urinary infections outside hospitals, in specialized hospitals and in general hospitals] Lionsquy G, et al. **Pathol Biol (Paris)** 1984 May;32(5):389-92 (Eng. Abstr.) **(Fre)**

[Antibiotic susceptibility testing by the disk method. Comparative evaluation of 5 commercial systems] Margalejo H, et al. **Pathol Biol (Paris)** 1984 Jun;32(5 Pt 2):483-7 (Eng. Abstr.) **(Fre)**

[Changes in antibiotic resistance of organisms isolated from blood cultures in a recently built hospital] Pierard D, et al. **Pathol Biol (Paris)** 1984 Jun;32(5 Pt 2):525-7 (Eng. Abstr.) **(Fre)**

[Antibiotic sensitivity of strains of Brucella] Shir Y, et al. **Pathol Biol (Paris)** 1984 May;32(5):381-3 (Eng. Abstr.) **(Fre)**

[Serotype and antibiotic resistance of pneumococci isolated at the Aix-en-Provence Hospital Center] Chardon H, et al. **Poumon Coeur** 1983;39(6):287-90 (Eng. Abstr.) **(Fre)**

[Antibacterial effects of the combinations of azlocillin with other antibiotics] Courtieu AL, et al. **Presse Med** 1984 Mar 29;13(13):785-7 (Eng. Abstr.) **(Fre)**

[Development and current status of Pseudomonas aeruginosa sensitivity to antibiotics] Duval J, et al. **Presse Med** 1984 Mar 29;13(13):763-7 (Eng. Abstr.) **(Fre)**

[Dynamics of antibiotic resistance of strains of Escherichia coli isolated from feces of weaned piglets (the case of the Lwanika- Lubumbashi (Zaire) farm] Mposhy M, et al. **Rev Elev Med Vet Pays Trop** 1983;36(3):247-50 (Eng. Abstr.) **(Fre)**

[Effect of various antibiotics on the TRIC agent (M R C4 strain) cultivated on chick embryos] Belabbas N, et al. **Rev Int Trach Pathol Ocul Trop Subtrop Sante Publique** 1981;(3-4):87-96 (Eng. Abstr.) **(Fre)**

[Methods of studying the sensitivity of Chlamydia trachomatis to antibiotics] Laurans G, et al. **Rev Int Trach Pathol Ocul Trop Subtrop Sante Publique** 1982;(2-3):93-106 (Eng. Abstr.) **(Fre)**

[In vitro study of strains of Staphylococcus: choice of an antibiotic] Messmer JC, et al. **Sem Hop Paris** 1984 May 3;60(19):1329-32 (Eng. Abstr.) **(Fre)**

[Antibiotic activity and synergism of ceftazidime and netilmicin against gram-negative pathogenic bacteria] Baumgärtner M, et al. **Arzneimittelforsch** 1983; 33(12):1615-9 (Eng. Abstr.) **(Ger)**

[The current state of staphylococcal resistance to chemotherapeutics] Busch U, et al. **Arzneimittelforsch** 1983; 33(8):1081-3 (Eng. Abstr.) **(Ger)**

[Comparison of the activity of cefaclor with amoxicillin, erythromycin and doxycycline in an in vitro model] Wiedemann B. **Arzneimittelforsch** 1983;33(9):1232-5 (Eng. Abstr.) **(Ger)**

[Antibiotic sensitivity of bacterial flora of ram semen] Köhler-Samouilidis G. **DTW** 1984 Mar 8;91(3):106, 111 (Eng. Abstr.) **(Ger)**

[Stability of activity levels of various antibiotics in the blood plasma and milk of cattle] Mölle G, et al. **DTW** 1984 Jun 8;91(6):225-7 (Eng. Abstr.) **(Ger)**

[Antibiotic resistance of Salmonella in developing countries. An example: Papua New Guinea (brief report)] Wernery U. **DTW** 1984 Mar 8;91(3):96 **(Ger)**

[Epidemiology of resistance to mastitis pathogens in Switzerland] Schifferli D, et al. **Schweiz Arch Tierheilkd** 1984 Feb;126(2):83-90 (Eng. Abstr.) **(Ger)**

[Determination of antibiotic activity in vitro: sense or nonsense?] Gerber AU. **Schweiz Med Wochenschr** 1984 Feb 4;114(5):154-5 **(Ger)**

[The significance of jumping genes in the development of antibiotic resistance of bacteria] Meyer J. **Schweiz Med Wochenschr** 1983 Oct 15;113(41):1494-500 (Eng. Abstr.) **(Ger)**

[Current status of determining bacteria and resistance in urinary tract infections] Ritzerfeld W, et al. **Urologe [Ausg A]** 1984 May;23(3):130-3 (Eng. Abstr.) **(Ger)**

[The aerobic bacteria spectrum of pyogenic infections in the maxillofacial region and its change as affected by antimicrobial chemotherapy] Schulz S, et al. **Z Gesamte Hyg** 1984 May;30(5):273-5 (Eng. Abstr.) **(Ger)**

[Comparison of the antibiotic resistance of S. aureus strains isolated from humans and industrially bred animals] Witte W, et al. **Z Gesamte Hyg** 1983 Jul;29(7):384-7 (Eng. Abstr.) **(Ger)**

[Effect of different cytostatic agents and antibiotics on the biology of Trichomonas in vitro] Szarmach H, et al. **Z Hautkr** 1983 Aug 15;58(16):1183-90 (Eng. Abstr.) **(Ger)**

[Epidemiological study of a multiresistant Enterobacter cloacae causing iatrogenic infection in a surgical unit] Baumgartner A, et al. **Zentralbl Veterinarmed [B]** 1984 Feb; 31(1):73-7 (Eng. Abstr.) **(Ger)**

[Pathogenic role and antibiotic sensitivity of Propionibacterium acnes] Fabbri A, et al. **Ann Sclavo** 1982 Jul-Aug;24(4):414-22 (Eng. Abstr.) **(Ita)**

[Antibiotic sensitivity of 147 strains of Mycoplasma from human sources] Montagna MT. **Ann Sclavo** 1982 Jul-Aug; 24(4):377-83 (Eng. Abstr.) **(Ita)**

[In vitro sensitivity of 320 bacterial strains, isolated from urine culture, to 12 microbial agents] Riviera L, et al. **Ann Sclavo** 1982 Sep-Oct;24(5):503-12 (Eng. Abstr.) **(Ita)**

[Comparison of the antibacterial activity of 5 aminoglycosides and 5 cephalosporins on Proteus and Pseudomonas strains] Scioli C, et al. **Ann Sclavo** 1982 Sep-Oct;24(5):456-65 (Eng. Abstr.) **(Ita)**

[Comparative analysis of the inhibiting activity of various antibiotics on anaerobic microorganisms] Dessi S, et al. **Boll Ist Sieroter Milan** 1983 May 31;62(2):153-6 (Eng. Abstr.) **(Ita)**

[Occurrence of chemical and antibiotic resistance of non-human Salmonella serotypes] Pontello M, et al. **G Batteriol Virol Immunol** 1982 Jan-Jun;75(1-6):135-50 (Eng. Abstr.) **(Ita)**

[Sensitivity of various species of Proteus to antimicrobial drugs] Cellini L, et al. **G Ital Chemioter** 1983 May-Dec; 30(2-3):85-90 (Eng. Abstr.) **(Ita)**

[Effect of subinhibitory amounts of antibiotics on E. coli adhesion] Chiarini F, et al. **G Ital Chemioter** 1984 Jan-Aug; 31(1-2):17-21 (Eng. Abstr.) **(Ita)**

[Epidemiology and chemo-antibiotic sensitivity of Salmonella isolated in the province of Rome during the years 1976-78. Comparison with current data] Faraone P, et al. **G Ital Chemioter** 1982 Jul-Dec;29(2):87-93 (Eng. Abstr.) **(Ita)**

[Profile of resistance to antibiotics in Salmonella isolated from a Milanese population in 1981] Gelosa L, et al. **G Ital Chemioter** 1982 Jul-Dec;29(2):95-101 (Eng. Abstr.) **(Ita)**

[Evaluation of the bactericidal activity of the combination of fosfomycin with other antibiotics by 2 different methods (checkboard and bactericidal curves)] Gialdroni Grassi G, et al. **G Ital Chemioter** 1983 May-Dec;30(2-3):77-84 **(Ita)**

[Comparative evaluation of the speed of bactericidal activity of cephalosporin and other antibiotics on Serratia marcescens strains isolated from an epidemic focus] Michelone G, et al. **G Ital Chemioter** 1982 Jul-Dec; 29(2):103-7 (Eng. Abstr.) **(Ita)**

[Sensitivity of strains of Chlamydia trachomatis to various chemo-antibiotics. Additional observations] Milici M, et al. **G Ital Chemioter** 1984 Jan-Aug;31(1-2):37-40 (Eng. Abstr.) **(Ita)**

[Activity of the ansamycins LM 427 and FCE 22250 on atypical mycobacteria in vitro] Ungheri D, et al. **G Ital Chemioter** 1983 May-Dec;30(2-3):97-100 (Eng. Abstr.) **(Ita)**

[Recent prospects in the use of new antibiotics in childhood] Caramia G, et al. **Minerva Pediatr** 1983 Jun 15; 35(11):597-609 (Eng. Abstr.) **(Ita)**

[Sensitivity tests to antibiotics for aerobes and anaerobes in clinical practice] Brenciaglia MI, et al. **Nuovi Ann Ig Microbiol** 1982 Mar-Jun;33(2-3):349-74 **(Ita)**

[Membrane proteins and lipids of strains of Pseudomonas aeruginosa multiresistant to antibiotics] Catalanotti P, et al. **Nuovi Ann Ig Microbiol** 1983 Nov-Dec;34(6):497-507 (Eng. Abstr.) **(Ita)**

[Antibacterial activity of cholane derivatives. III. Amidie and amine derivatives of cholic, desoxycholic, chenodesoxycholic and ursodesoxycholic acids] Cavazzini G, et al. **Nuovi Ann Ig Microbiol** 1982 Mar-Jun; 33(2-3):419-33 (Eng. Abstr.) **(Ita)**

[Occurrence of non-fermenting bacteria in the respiratory tract: etiopathogenetic role and sensitivity to antibiotics of strains found in hospitalized patients with chronic bronchopneumonia] Palmas F, et al. **Nuovi Ann Ig Microbiol** 1982 Jul-Dec;33(4-6):773-84 (Eng. Abstr.) **(Ita)**

[Comparison of AMS and MS-2 in the identification and antibiotic sensitivity of clinically isolated bacterial strains] Chiaradia V, et al. **Quad Sclavo Diagn** 1983 Jun; 19(2):176-91 (Eng. Abstr.) **(Ita)**

[Chemobiotic sensitivity of common Gram-negative bacteria in urinary tract infections, 1981-1982] Mastandrea P, et al. **Quad Sclavo Diagn** 1983 Dec;19(4):455-62 (Eng. Abstr.) **(Ita)**

[Pseudomonas: considerations on its in vitro sensitivity to antibiotics] Monaci E. **Quad Sclavo Diagn** 1983 Jun; 19(2):219-22 (Eng. Abstr.) **(Ita)**

[Identification and sensitivity of Streptococci to antibiotics] Monaci E. **Quad Sclavo Diagn** 1983 Jun;19(2):223-9 (Eng. Abstr.) **(Ita)**

[Urine culture and antibiogram in 2 different populations (ambulatory and hospitalized). Considerations on 2155 tests performed consecutively] Monaci E, et al. **Quad Sclavo Diagn** 1983 Jun;19(2):285-95 (Eng. Abstr.) **(Ita)**

[Evaluation of a new system for the simultaneous identification and antibiotic sensitivity testing of gram-negative bacilli by automation] Nicolosi VM, et al. **Quad Sclavo Diagn** 1983 Mar;19(1):147-54 (Eng. Abstr.) **(Ita)**

[Evaluation of a simplified method of preparation of the inoculum for making antibiograms with the ABAC system. Comparison with the standard method in 100 cases] Ricci E, et al. **Quad Sclavo Diagn** 1982 Dec;18(4):377-82 (Eng. Abstr.) **(Ita)**

[Comparison of the Sensititre diagnostic system and the Bauer-Kirby test of sensitivity to chemotherapeutic agents in agar, on bacterial strains isolated from urinary infections] Zitelli A, et al. **Quad Sclavo Diagn** 1982 Dec;18(4):463-71 (Eng. Abstr.) **(Ita)**

[Bacterial species recently isolated from urinary tract infections and their antibiotic susceptibility, with special reference to acute cystitis] Arai T, et al. **Jpn J Antibiot**

1983 Oct;36(10):2750–6 (Eng. Abstr.) (Jpn)

[Fosfomycin susceptibility of clinical isolates from otorhinolaryngological infections] Deguchi K. **Jpn J Antibiot** 1983 Oct;36(10):2844–8 (Eng. Abstr.) (Jpn)

[Protective effect of fosfomycin against renal accumulation of aminoglycoside antibiotics] Fujita K, et al. **Jpn J Antibiot** 1983 Dec;36(12):3392–4 (Eng. Abstr.) (Jpn)

[Chronological variations in blood isolates and their susceptibility to various antibiotics] Fujita S, et al. **Jpn J Antibiot** 1983 Dec;36(12):3399–404 (Eng. Abstr.) (Jpn)

[Susceptibility of bacteria isolated from lower respiratory tract infections to antibiotics (1981)] Ikemoto H, et al. **Jpn J Antibiot** 1983 Nov;36(11):2925–50 (Eng. Abstr.) (Jpn)

[Disc sensitivity test for micronomicin] Kanazawa Y, et al. **Jpn J Antibiot** 1983 Oct;36(10):2913–20 (Eng. Abstr.) (Jpn)

[Comparative studies of antimicrobial agents against causative organisms isolated from urinary tract infections (1982). I. Susceptibility distribution] Kosakai N, et al. **Jpn J Antibiot** 1984 Apr;37(4):680–722 (Eng. Abstr.) (Jpn)

[Comparative studies of antimicrobial agents against causative organisms isolated from urinary tract infections (1982). III. Secular changes in susceptibility] Kosakai N, et al. **Jpn J Antibiot** 1984 Apr;37(4):734–74 (Eng. Abstr.) (Jpn)

[Comparison of antibacterial potencies of oral and parenteral antibiotic preparations against Escherichia coli, Klebsiella, Citrobacter, and Proteus isolated from urinary tract infections (3. 1981). 3. Patient backgrounds and bacterial sensitivities] Kosakai N, et al. **Jpn J Antibiot** 1983 Jun; 36(6):1521–43 (Eng. Abstr.) (Jpn)

[Comparison of antibacterial potencies of oral and parenteral antibiotic preparations against Escherichia coli, Klebsiella, Citrobacter, and Proteus isolated from urinary tract infections (3: 1981) 1. Susceptibility distribution] Kosakai N, et al. **Jpn J Antibiot** 1983 Jun;36(6):1469–503 (Eng. Abstr.) (Jpn)

[Comparison of antibacterial potencies of oral and parenteral antibiotic preparations against Escherichia coli, Klebsiella, Citrobacter, and Proteus isolated from urinary tract infections (3: 1981). 2. Changes in bacterial sensitivities] Kosakai N, et al. **Jpn J Antibiot** 1983 Jun;36(6):1504–20 (Eng. Abstr.) (Jpn)

[MIC test of Campylobacter jejuni/coli] Saku K, et al. **Jpn J Antibiot** 1983 Oct;36(10):2757–62 (Eng. Abstr.) (Jpn)

[Muscle-relaxant effects of intravenously administered micronomicin] Tanaka H, et al. **Jpn J Antibiot** 1983 Nov; 36(11):3268–76 (Eng. Abstr.) (Jpn)

[Evaluation of in vitro antibacterial potencies of oral antibiotics against sputum isolates] Yamada H, et al. **Jpn J Antibiot** 1983 Aug;36(8):2103–8 (Eng. Abstr.) (Jpn)

[An epidemiological survey of group A, B, C and G hemolytic streptococci isolated from elementary school children. Part II. Susceptibility to antibiotics] Nakajima K, et al. **Kansenshogaku Zasshi** 1983 Dec;57(12):1083–90 (Eng. Abstr.) (Jpn)

[Antibiotic susceptibility and beta-lactamase activities of Neisseria gonorrhoeae isolated in 1981] Okazaki T, et al. **Kansenshogaku Zasshi** 1983 Mar;57(3):205–11 (Eng. Abstr.) (Jpn)

[Classification and antibiotic sensitivity of coagulase-negative staphylococci isolated from urinary tract infections] Okuda T, et al. **Kansenshogaku Zasshi** 1983 Nov;57(11):964–70 (Eng. Abstr.) (Jpn)

[Bacteriological study on specimens from the Department of Critical Care Medicine (DCCM), Nippon Medical School. II. Serotype and drug-sensitivity of Pseudomonas aeruginosa] Satsuta K, et al. **Kansenshogaku Zasshi** 1983 Mar;57(3):195–204 (Eng. Abstr.) (Jpn)

[In vitro susceptibility of atypical mycobacteria to Cephem and other antibiotics] Sakurai N. **Kekkaku** 1983 Jun; 58(6):355–62 (Eng. Abstr.) (Jpn)

[Bacterial aerosols. 9. Antibiotic sensitivity of air-borne bacteria originating from health subjects] Terayama K, et al. **Nippon Eiseigaku Zasshi** 1983 Aug;38(3):677–82 (Eng. Abstr.) (Jpn)

[Clinical studies on urinary tract infections caused by Serratia marcescens. I. Clinical and bacteriological studies on urinary tract infections caused by Serratia marcescens] Sakai S, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Apr; 74(4):467–84 (Eng. Abstr.) (Jpn)

[Responses of El Tor cholera Vibrio to antibiotics in relation to intestinal flora: antibiotic sensitivity and behaviors in mixed culture with resistant E. coli] Kino I. **Nippon Ika Daigaku Zasshi** 1983 Oct;50(5):702–15 (Eng. Abstr.) (Jpn)

[Protective effect of fosfomycin against aminoglycoside induced ototoxicity] Ohtsuki K, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1983 Dec;86(12):1487–96 (Eng. Abstr.) (Jpn)

[Drug resistance of bacteria—the current status and future prospect. 2. Staphylococcus] Hashimoto H, et al. **Nippon Rinsho** 1984 Mar;42(3):658–63 (Jpn)

[Future development of antibiotics. 5. Macrolide antibiotics] Inoue M. **Nippon Rinsho** 1984 Mar;42(3):553–9 (20 ref.) (Jpn)

[Drug resistance of bacteria—the current status and future prospect. 4. Serratia] Kimura S. **Nippon Rinsho** 1984 Mar; 42(3):671–5 (22 ref.) (Jpn)

[Future development of antibiotics. 3. Aminoglycoside antibiotics] Mitsuhashi S, et al. **Nippon Rinsho** 1984 Mar; 42(3):540–6 (16 ref.) (Jpn)

[Drug resistance of bacteria—the current status and future prospect. 5. Pseudomonas aeruginosa] Nishimura T, et al. **Nippon Rinsho** 1984 Mar;42(3):676–89 (17 ref.) (Jpn)

[Drug resistance of bacteria—the present status and the future prospect. 1. Streptococcus pneumoniae] Oguri T. **Nippon Rinsho** 1984 Mar;42(3):651–7 (Jpn)

[Drug resistance of bacteria—the current status and future prospect. 6. Bacteroides] Okada J. **Nippon Rinsho** 1984 Mar; 42(3):690–5 (Jpn)

[Trends in the development of antibiotics] Tanaka N. **Nippon Rinsho** 1984 Mar;42(3):517–23 (Jpn)

[Changes of antibiotics: a clinical viewpoint] Ueda Y, et al. **Nippon Rinsho** 1984 Mar;42(3):502–6 (Jpn)

[Resistance of Pseudomonas aeruginosa strains to selected aminoglycoside antibiotics depending on their serological type] Lipnicki D, et al. **Pol Tyg Lek** 1983 May 9; 38(19):599–602 (Eng. Abstr.) (Pol)

[Preliminary evaluation of the sensitivity of selected bacteria to amoxicillin and augmentin in comparison with other antibiotics used to date] Ruczkowska J, et al. **Przegl Lek** 1984;41(4):321–4 (Eng. Abstr.) (Pol)

[Effect of antibiotics and disinfectants present in the sewage from anti-tuberculosis hospitals on the effectiveness of its purification by the active sediment method] Jędrzejewska K, et al. **Rocz Panstw Zakl Hig** 1983;34(3):305–12 (Eng. Abstr.) (Pol)

[Antibiotic sensitivity of Haemophilus influenzae isolated from patients with chronic bronchitis 1974–1980] Burcoveanu C, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Jan–Mar;87(1):61–5 (Eng. Abstr.) (Rum)

[Drug resistance of pathogenic Staphylococcus in the hospital environment and in the general population, as an indicator of the negative implications of modern etiological therapy] Teodorovici G, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Jan–Mar;87(1):67–9 (Eng. Abstr.) (Rum)

[Bacterial tolerant to antibiotics with action on the wall] Timoşca S, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Jan–Mar;87(1):21–4 (Rum)

[Antibiotic sensitivity of bacteria of the family Vibrionaceae isolated from the intestines of swine] Andrusenko IT, et al. **Antibiotiki** 1983 Aug;28(8):592–5 (Eng. Abstr.) (Rus)

[Effect of antibiotic AL-87 on the fatty acid composition of microorganisms in different taxonomic groups] Churkina LN, et al. **Antibiotiki** 1983 Jul;28(7):489–94 (Eng. Abstr.) (Rus)

[Methods for the rapid determination of microbial sensitivity to antibiotics] D'iakov SI, et al. **Antibiotiki** 1983 Jul; 28(7):545–54 (82 ref.) (Rus)

[Interrelation of the antibiotic sensitivity (resistance) of staphylococci, clinical forms of the infection and production of protein A] Fomenko GA. **Antibiotiki** 1984 Jun;29(6):421–7 (Eng. Abstr.) (Rus)

[Conjugative R-plasmid resistance of Salmonella] Gridnev VA. **Antibiotiki** 1984 Apr;29(4):249–53 (Eng. Abstr.) (Rus)

[Effect of conjugative R plasmids on the virulence of antibiotic-sensitive Salmonella strains and their streptomycin-resistant mutants] Gridnev VA, et al. **Antibiotiki** 1983 Sep;28(9):671–5 (Eng. Abstr.) (Rus)

[Antibiotic sensitivity of Yersinia enterocolitica strains isolated from rodents and sick persons in Krasnodar Territory] Gurleva GG, et al. **Antibiotiki** 1984 Mar; 29(3):195–7 (Eng. Abstr.) (Rus)

[Achievements in the study of streptothricin antibiotics] Khokhlov AS. **Antibiotiki** 1983 Aug;28(8):613–22 (Rus)

[Resistance to antibiotics of Proteus strains from various sources] Korneva EP, et al. **Antibiotiki** 1984 Apr; 29(4):263–71 (Eng. Abstr.) (Rus)

[Surface-active properties of antibiotics] Maidanov VV, et al. **Antibiotiki** 1983 Sep;28(9):663–5 (Eng. Abstr.) (Rus)

[Comparative sensitivity of the main causative agents of suppurative infection to antibacterial preparations and their combinations] Makarenkova RV, et al. **Antibiotiki** 1983 Dec;28(12):908–11 (Eng. Abstr.) (Rus)

[Research results and prospects for development in the field of semisynthetic antibiotics] Navashin SM, et al. **Antibiotiki** 1984 Feb;29(2):136–42 (15 ref.) (Rus)

[Aminoglycoside activity in relation to gram-negative microflora isolated from heart surgery patients] Ostrovskaia EA, et al. **Antibiotiki** 1983 Sep;28(9):693–8 (Eng. Abstr.) (Rus)

[Microflora of the burned, its sensitivity to antibiotics and bacteriophages] Panchenkov NR, et al. **Antibiotiki** 1983 Oct;28(10):767–71 (Eng. Abstr.) (Rus)

[Sensitivity of nonfermenting gram-negative bacteria of clinical origin to antibacterial preparations] Shchenderov BA, et al. **Antibiotiki** 1984 Mar;29(3):191–5 (Eng. Abstr.) (Rus)

[Effect of bile and bile acids on bacterial resistance to antibiotics] Tvorko MS, et al. **Antibiotiki** 1984 Apr; 29(4):257–60 (Eng. Abstr.) (Rus)

[Growth of test microorganisms used in determining antibiotic activity on synthetic nutrient media] Vasil'eva NG, et al. **Antibiotiki** 1984 Jun;29(6):403–7 (Eng. Abstr.) (Rus)

[Microflora of the gallbladder in chronic calculous cholecystitis and its antibiotic sensitivity] Veselov AIa, et al. **Antibiotiki** 1984 Jan;29(1):52–6 (Eng. Abstr.) (Rus)

[Inhibition by antibiotics of the incorporation of labelled amino acids into the nuclear matrix proteins of the Zajdela hepatoma] Bazarnova TM, et al. **Biokhimiia** 1984 Feb; 49(2):254–60 (Eng. Abstr.) (Rus)

[Sensitivity of pathogenic gram-negative microflora, isolated from patients in a surgical clinic, to the principal antibiotics, antiseptics, and disinfectants] Iakimova VG, et al. **Gig Sanit** 1983 Dec;(12):73–4 (Rus)

[Standardization of methods of determining microbial sensitivity to antibiotics] Chaĭkovskaia SM, et al. **Lab Delo** 1984;(5):299–302 (Rus)

[Interlaboratory quality control of the agar diffusion test for determining sensitivity of microorganisms to antibiotics] Garanina EN, et al. **Lab Delo** 1984;(1):43–6 (Eng. Abstr.) (Rus)

[Effect of antibiotics on 5'-inosinic acid biosynthesis by a Brevibacterium ammoniagenes mutant] Balabushevich MI, et al. **Prikl Biokhim Mikrobiol** 1983 Sep–Oct;19(5):590–8 (Eng. Abstr.) (Rus)

[Antiviral activity of pentaene macrolides] Shtil'bans EB. **Tr Inst Pastera** 1982;58:131–4 (Rus)

[Standardization of the diffusion method of determining the biological activity of polyene antibiotics] Vasil'eva NG, et al. **Tr Inst Pastera** 1982;58:117–9 (Rus)

[Bacterial flora of the conjunctiva and their sensitivity to antibiotics] Karanadze NA, et al. **Vestn Oftalmol** 1984 May–Jun;(3):54–7 (Eng. Abstr.) (Rus)

[Antibiotic sensitivity of Streptococcus pneumoniae strains isolated from the bronchial contents of patients with inflammatory lung diseases] Shkirmantova IV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Jan;(1):47–50 (Eng. Abstr.) (Rus)

[Presence of bacteria of the genus Haemophilus in the nasopharynx and their susceptibility to antibiotics] Vujošević M, et al. **Srp Arh Celok Lek** 1983 Jun; 111(6):753–60 (Scc)

[Antibiotic sensitivity of bacteria isolated from the urine of ambulatory care patients with infections of the urinary tract, with special emphasis on the sensitivity of E. coli serotypes] Tambić T, et al. **Lijec Vjesn** 1982 Nov–Dec; 104(11–12):501–4 (Eng. Abstr.) (Scr)

[Transfer of resistance in Shigellae to azlocillin and other antibiotics] Antal M, et al. **Bratisl Lek Listy** 1984 Feb; 81(2):196–200 (Eng. Abstr.) (Slo)

[Resistance to antibiotics in bacteria in the Enterobacteriaceae family isolated from Bratislava's natural bathing beaches] Krčméry V, et al. **Bratisl Lek Listy** 1983 Nov;80(5):587–93 (Eng. Abstr.) (Slo)

[Isolation of multiresistant pneumococci from clinical material] Moravčík P, et al. **Bratisl Lek Listy** 1983 Aug; 80(2):176–84 (Eng. Abstr.) (Slo)

[In vitro sensitivity of Clostridium perfringens to 11 antimicrobial drugs] Fernández Jaramillo H, et al. **Rev Clin Esp** 1983 Jul 15–31;170(1–2):23–6 (Eng. Abstr.) (Spa)

[Activity of various semisynthetic aminoglycoside antibiotics on gentamicin-sensitive and gentamicin-resistant bacterial populations] Zemelman R, et al. **Rev Med Chil** 1983 Mar; 111(3):255–61 (Eng. Abstr.) (Spa)

[Meningococcal meningitis in Spain (1978–1981). III. Susceptibility of the meningococcal strains isolated from patients and carriers to the main agents used in the treatment and chemoprophylaxis of meningococcal infections] Sáez Nieto JA, et al. **Rev Sanid Hig Publica (Madr)** 1983 May–Jun; 57(5–6):587–602 (Eng. Abstr.) (Spa)

[Antibiotic sensitivity of Staphylococcus aureus strains isolated from different animal species] Rojas X, et al. **Zentralbl Veterinarmed** [B] 1983 Jul;30(6):408–14 (Eng. Abstr.) (Spa)

[Relation between the resistance of Proteus to antibacterials and R plasmids] Akin A. **Mikrobiyol Bul** 1983 Jul; 17(3):163–71 (Tur)

[Effect of chemotherapy on certain species of the Cohn Bacillus] Tamer AU, et al. **Mikrobiyol Bul** 1984 Apr; 18(2):119–22 (Eng. Abstr.) (Tur)

POISONING

Salinomycin poisoning in turkeys [letter] Horrox NE. **Vet Rec** 1984 Jan 14;114(2):52

STANDARDS

A comparison of the old and new antibiotics. Hinthorn DR. **J Arkansas Med Soc** 1983 Nov;80(6):243–8

[Basic principles of developing national standards for antibiotics] Grigor'eva VM, et al. **Antibiotiki** 1983 Aug; 28(8):595–600 (Eng. Abstr.) (Rus)

SUPPLY & DISTRIBUTION

Antibiotics over the counter and across the border [letter] Casner PR. **Ann Intern Med** 1984 Mar;100(3):462–3

THERAPEUTIC USE

Epidemic of multiresistant Staphylococcus aureus in an intensive care unit. Gordts B. **Acta Anaesthesiol Belg** 1983 Sep;34(3):175–8

Outcome of bacteremia in a surgical intensive care unit. Hemmer R, et al. **Acta Anaesthesiol Belg** 1983 Sep; 34(3):173–4

Prophylactic antibiotics in surgery. Naessens A, et al. **Acta Anaesthesiol Belg** 1983 Sep;34(3):163–71

Acute epiglottitis in adults. A management protocol based on a 17-year material. Andreassen UK, et al. **Acta Anaesthesiol Scand** 1984 Apr;28(2):155–7

The effect of one prophylactic dosage of antibiotics on experimentally induced lethal intraabdominal sepsis. Brolin J, et al. **Acta Chir Scand** 1984;150(3):239–44

Comparison of systemic prophylaxis with metronidazole/placebo and metronidazole/fosfomycin in colorectal surgery. A clinical study demonstrating the need for additional anti-aerobic prophylactic cover. Lindhagen J, et al. **Acta Chir Scand** 1984;150(4):317–23

Intensive maintenance chemotherapy for cystic fibrosis [letter] Hennequet A. **Acta Paediatr Scand** 1984 Mar; 73(2):267

Frequent antibiotic therapy improves survival of cystic fibrosis patients with chronic Pseudomonas aeruginosa infection. Szaff M, et al. **Acta Paediatr Scand** 1983 Sep; 72(5):651–7

School-achievement test in evaluation of the students' knowledge of the antibiotic therapy. Majer P, et al. **Acta Univ Palacki Olomuc Fac Med** 1983;105:203–14

Managing odontogenic infections. Johnson WT. **Am Fam Physician** 1984 May;29(5):167–72

Drug therapy for bacterial osteomyelitis. Lefrock JL, et al. **Am Fam Physician** 1984 Jul;30(1):213–6

Choosing antibiotic therapy for pneumonia. Rosenberg M, et al. **Am Fam Physician** 1983 Nov;28(5):246–51

Campylobacter jejuni enteritis: efficacy of antimicrobial and antimotility drugs. Nolan CM, et al. **Am J Gastroenterol** 1983 Oct;78(10):621–6

Antibiotic restriction in hospitals associated with medical schools. Klapp DL, et al. **Am J Hosp Pharm** 1983 Nov; 40(11):1957–60

Impact of the patient at risk on current and future antimicrobial therapy. **Am J Med** 1984 May 15; 76(5A):1–243

Experimental aspects of intraabdominal abscess. Bartlett JG. **Am J Med** 1984 May 15;76(5A):91–8

Prevention of central nervous system infections in patients at risk. Durack DT. **Am J Med** 1984 May 15;76(5A):231–7 (39 ref.)

Treatment of intraabdominal infection. Gorbach SL. **Am J Med** 1984 May 15;76(5A):107–10 (24 ref.)

Symposium on infectious complications of neoplastic disease (Part II). Chemoprophylaxis of bacterial infections in granulocytopenic patients. Henry SA. **Am J Med** 1984 Apr; 76(4):645–51 (29 ref.)

Can antibacterial therapy be discontinued in persistently febrile granulocytopenic cancer patients? Joshi JH, et al. **Am J Med** 1984 Mar;76(3):450–7

Management of bacterial meningitis in infants and children. Current status and future prospects. McCracken GH Jr. **Am J Med** 1984 May 15;76(5A):215–23 (29 ref.)

Current mechanisms of resistance to antimicrobial agents in microorganisms causing infection in the patient at risk for infection. Neu HC. **Am J Med** 1984 May 15;76(5A):11–27 (120 ref.)

Prevention of infection in high risk gastrointestinal surgery. Nichols RL. **Am J Med** 1984 May 15;76(5A):111–9 (42 ref.)

Host defense abnormalities predisposing the patient to infection. Peterson PK. **Am J Med** 1984 May 15; 76(5A):2–10 (47 ref.)

Treatment of skin and skin structure infections in the patient at risk. Sheagren JN. **Am J Med** 1984 May 15;76(5A):180–6 (26 ref.)

Advances in the treatment of urinary tract infection. Sheehan G, et al. **Am J Med** 1984 May 15;76(5A):141–7 (43 ref.)

Principles in the treatment of bacterial meningitis. Täuber MG, et al. **Am J Med** 1984 May 15;76(5A):224–30 (63 ref.)

Clinical importance of 'breakthrough' bacteremia. Weinstein MP, et al. **Am J Med** 1984 Feb;76(2):175–80

Prevention of infections of skin and skin structures. Wheat LJ, et al. **Am J Med** 1984 May 15;76(5A):187–90 (17 ref.)

Treatment of respiratory infections in the patient at risk. Young LS. **Am J Med** 1984 May 15;76(5A):61–8 (47 ref.)

Therapy for acute pelvic inflammatory disease: a critique of recent treatment trials. Brunham RC. **Am J Obstet Gynecol** 1984 Feb 1;148(3):235–40

Patient costs in the prevention and treatment of post-cesarean section infection. Iams JD, et al. **Am J Obstet Gynecol** 1984 Jun 15;149(4):363–6

The use of prophylactic antibiotics in patients undergoing emergency primary cesarean section. Wallace RL, et al. **Am J Obstet Gynecol** 1983 Nov 1;147(5):533–6

Extraperitoneal cesarean section: a surgical form of infection prophylaxis? Wallace RL, et al. **Am J Obstet Gynecol** 1984 Jan 15;148(2):172–7

Prophylaxis in surgical procedures. Johnson JT. **Am J Otolaryngol** 1983 Nov-Dec;4(6):433–4

Preoperative antibiotics for abdominal gunshot wounds. A prospective, randomized study. Moore FA, et al. **Am J Surg** 1983 Dec;146(6):762–5

Antibiotic treatment of louse-borne relapsing fever in Ethiopia: a report of 377 cases. Perine PL, et al. **Am J Trop Med Hyg** 1983 Sep;32(5):1096–100

Treatment of metritis with antibiotics or prostaglandin F2 alpha and influence of ovarian cyclicity in dairy cows. Steffan J, et al. **Am J Vet Res** 1984 Jun;45(6):1090–4

Prophylactic antibiotic usage in clean surgical procedures. Hoffman E. **Am Surg** 1984 Mar;50(3):161–4

Evaluation of antibiotic therapy and surgical techniques in cases of homicidal wounds of the colon. Mandal AK, et al. **Am Surg** 1984 May;50(5):254–7

Single-dose antibiotic therapy of urinary tract infection: is it appropriate in the emergency department? McCabe JB, et al. **Ann Emerg Med** 1984 Jun;13(6):432–9 (60 ref.)

Five-year surveillance of aminoglycoside usage in a university hospital. Betts RF, et al. **Ann Intern Med** 1984 Feb;100(2):219–22

Antibiotic resistance—a world health problem we cannot ignore [editorial] Kunin CM. **Ann Intern Med** 1983 Dec; 99(6):859–60

Enigmatic enterococcal endocarditis. Scheld WM, et al. **Ann Intern Med** 1984 Jun;100(6):904–5

Local monitoring of antibiotic resistance [letter] Sheehan JP. **Ann Intern Med** 1984 May;100(5):771

Management of infectious endophthalmitis by combined vitrectomy and intraocular injection. Chen CJ. **Ann Ophthalmol** 1983 Oct;15(10):968–74, 977–79

New issues in the prevention and treatment of ophthalmia neonatorum. Raucher HS, et al. **Ann Ophthalmol** 1983 Nov; 15(11):1004, 1006–9

The place of antibiotics in preventing wound infection after clean operations in an Indian hospital: a prospective, randomised, controlled clinical trial. Nundy S, et al. **Ann R Coll Surg Engl** 1983 Nov;65(6):400–2

Antibiotic treatment in Reiter's syndrome. Ford DK. **Ann Rheum Dis** 1979;38 Suppl 1:suppl 98–9

Antibiotic trials in intra-abdominal infections. A critical evaluation of study design and outcome reporting. Solomkin JS, et al. **Ann Surg** 1984 Jul;200(1):29–39 (70 ref.)

Effects of antibiotic treatment of nonlactating dairy cows on antibiotic resistance patterns of bovine mastitis pathogens. Berghash SR, et al. **Antimicrob Agents Chemother** 1983 Nov;24(5):771–6

Teicoplanin versus nafcillin and vancomycin in the treatment of experimental endocarditis caused by methicillin-susceptible or -resistant Staphylococcus aureus. Chambers HF, et al. **Antimicrob Agents Chemother** 1984 Jul;26(1):61–4

Value of serum tests in combined drug therapy of endocarditis. Drake TA, et al. **Antimicrob Agents Chemother** 1983 Nov;24(5):653–7

Antibiotic prophylaxis against streptomycin-resistant and -susceptible Streptococcus faecalis endocarditis in rabbits. Guze PA, et al. **Antimicrob Agents Chemother** 1983 Oct; 24(4):514–7

Aztreonam, cefoperazone, and gentamicin in the treatment of experimental Enterobacter aerogenes endocarditis in rabbits. Kobasa WD, et al. **Antimicrob Agents Chemother** 1983 Sep;24(3):321–4

Comparative efficacies of piperacillin, azlocillin, ticarcillin, aztreonam, and tobramycin against experimental Pseudomonas aeruginosa pneumonia. Schiff JB, et al. **Antimicrob Agents Chemother** 1984 Jan;25(1):49–52

Comparative activities of ciprofloxacin, ticarcillin, and tobramycin against experimental Pseudomonas aeruginosa pneumonia. Schiff JB, et al. **Antimicrob Agents Chemother** 1984 Jul;26(1):1–4

Juvenile discitis [letter] Shah MP, et al. **Arch Dis Child** 1984 Jun;59(6):595–6

Endotoxaemia in cystic fibrosis: response to antibiotics. Taylor G, et al. **Arch Dis Child** 1983 Oct;58(10):826–8

Progressive increase in antibiotic resistance of gram-negative bacterial isolates. Walter Reed Hospital, 1976 to 1980: specific analysis of gentamicin, tobramycin, and amikacin resistance. Cross AS, et al. **Arch Intern Med** 1983 Nov; 143(11):2075–80

Peace of mind and the cost of treating infections [editorial] DeMaria A Jr. **Arch Intern Med** 1984 Jul;144(7):1369–70

Transient bacteremia and endocarditis prophylaxis [editorial] Simon GL. **Arch Intern Med** 1984 Jan;144(1):34–5

Posttraumatic endophthalmitis. Brinton GS, et al. **Arch Ophthalmol** 1984 Apr;102(4):547–50

Modified tissue culture medium for corneal storage I. Investigation of the effect of antibiotics on bacterial contamination. Liesegang TJ, et al. **Arch Ophthalmol** 1984 Apr;102(4):619–24

Prophylaxis of experimental tetanus with erythromycin. Bittner J, et al. **Arch Roum Pathol Exp Microbiol** 1983 Oct-Dec;42(4):289–96

Trials on trial. A review of trials of antibiotic prophylaxis. Evans M, et al. **Arch Surg** 1984 Jan;119(1):109–13

Systemic prophylactic antibiotics in elective biliary surgery. Kaufman Z, et al. **Arch Surg** 1984 Sep;119(9):1002–4

Nimesulide and antibiotics in the treatment of acute urinary tract infections. Pfändner K. **Arzneimittelforsch** 1984; 34(1):77–9

The use of antibiotics in upper respiratory tract infection. Crome MA, et al. **Aust Fam Physician** 1983 Aug; 12(8):585–7

Antimicrobial management of intracranial abscess. Gillet GR, et al. **Aust NZ J Surg** 1984 Jun;54(3):253–5

Effective control of a gentamicin-resistant Salmonella arizonae infection in turkey poults. Ekperigin HE, et al. **Avian Dis** 1983 Jul-Sep;27(3):822–9

Augmentin therapy in the treatment of urinary tract infections in general practice. Abbas AM, et al. **Br J Clin Pract** 1984 Feb;38(2):49–51

The effect of augmentin on sputum beta-lactamase activity in patients with cystic fibrosis. Penketh AR, et al. **Br J Clin Pract** 1984 May;38(5):188–9

Treatment of Pseudomonas aeruginosa infection. Eykyn SJ. **Br J Hosp Med** 1984 Feb;31(2):136–40

Antibiotic prophylaxis after instrumentation for urodynamic testing. Bergman A, et al. **Br J Urol** 1983 Oct;55(5):568–9

Controlled trial of medical treatment of active chronic otitis media. Browning GG, et al. **Br Med J [Clin Res]** 1983 Oct 8;287(6398):1024

Augmentin (amoxycillin-clavulanic acid) compared with co-trimoxazole in urinary tract infections. Fancourt GJ, et al. **Br Med J [Clin Res]** 1984 Jul 14;289(6437):82–3

Staphylococcus aureus bacteraemia: 400 episodes in St Thomas's Hospital. Gransden WR, et al. **Br Med J [Clin Res]** 1984 Jan 28;288(6413):300–3

Policies on antibiotics of south east London general practitioners for managing acute otitis media in children. Mills RP. **Br Med J [Clin Res]** 1984 Apr 21; 288(6425):1199–201

Antibiotic guidelines [editorial] Williams JD. **Br Med J [Clin Res]** 1984 Feb 4;288(6414):343–4

Current status of antibiotic prophylaxis in surgical patients. Gilbert DN. **Bull NY Acad Med** 1984 May;60(4):340–57 (64 ref.)

How the microbiology laboratory can improve antimicrobial therapy. Washington JA 2d. **Bull NY Acad Med** 1984 May; 60(4):314–26

Endophthalmitis and pars plana vitrectomy. Majerovics A, et al. **Can J Ophthalmol** 1984 Feb;19(1):25–8

Treatment guidelines for selected sexually transmitted diseases. Romanowski B, et al. **Can J Public Health** 1983 May-Jun;74(3):166–72

Streptococcal pharyngitis: is 10 days of therapy still mandatory? [letter] Shuper A, et al. **Can Med Assoc J** 1984 Aug 15;131(4):278–9

The therapy for infective endocarditis. Ramphal R, et al. **Cardiovasc Clin** 1984;14(3):285–98

Rifampicin and rifapentine in treatment of experimental listeriosis in normal mice and athymic (nude) mice. Bakker-Woudenberg IA, et al. **Chemotherapy** 1984; 30(3):194–204

Activity of eleven antimicrobial agents against methicillin-, methicillin- and rifampin-resistant Staphylococcus aureus. Chokkavelu V, et al. **Chemotherapy** 1984;30(2):97–101

Fosfomycin, piperacillin, azlocillin. Correlation between therapeutic response of mice infected with Pseudomonas aeruginosa and in vitro data. Haag R. **Chemotherapy** 1984; 30(4):227–36

Chemotherapeutic efficacy of cefotaxime and failure of fosfomycin in murine Salmonella typhimurium infection. Traub WH, et al. **Chemotherapy** 1984;30(3):148–57

Pathogenesis and treatment of enterococcal infections. Gross MH, et al. **Clin Pharm** 1984 Mar-Apr;3(2):161–6 (49 ref.)

Evaluation of a new aminoglycoside antibiotic in the treatment of infections in neonates, infants, and children. Chiu TA, et al. **Clin Ther** 1983;6(1):94–102

Anaerobic bacteria isolated from foot infections in diabetic patients: in vitro susceptibility to nine antibiotics. Ginunas VJ, et al. **Clin Ther** 1984;6(4):457–60

Oral antibiotics in pediatric patients. Malian M, et al. **Compr Ther** 1983 Dec;9(12):24–30 (12 ref.)

The role of infection in asthma: implications for antibiotic therapy. Pichurko BM, et al. **Compr Ther** 1984 Mar; 10(3):32–6

Pyogenic liver abscess: needle aspiration and antibiotic therapy. Hawkins HB, et al. **Conn Med** 1984 Jul;48(7):420–2

A prospective trial of operative versus non-operative treatment of severe vesico-ureteric reflux: 2 years' observation in 96 children. The Birmingham Reflux Study Group. **Contrib Nephrol** 1984;39:169–85

Nimesulide and antibiotics in the treatment of acute infections of the respiratory tract. Reiner M. **Curr Med Res Opin** 1983;8(7):487–92

Therapeutic considerations in special patients. Little JW, et al. **Dent Clin North Am** 1984 Jul;28(3):455–69

Principles of anti-infective therapy. Montgomery EH, et al. **Dent Clin North Am** 1984 Jul;28(3):423–32

Use of antibiotics in dental practice. Montgomery EH, et al. **Dent Clin North Am** 1984 Jul;28(3):433–53

Successful medical management of a Yersinia enterocolitica liver abscess. Alberti-Flor JJ, et al. **Digestion** 1984; 29(4):250–2

Keratomycosis caused by Acremonium Recifei, treated with keratoplasty, Miconazole and Ketoconazole. Simonsz HJ. **Doc Ophthalmol** 1983 Dec 15;56(1–2):131–5

Epidemiology and therapy of Chlamydia trachomatis infections. Bowie WR. **Drugs** 1984 May;27(5):459–68

Antimicrobial drugs used in the management of anaerobic infections in children. Brook I. **Drugs** 1983 Dec;26(6):520–9 (61 ref.)

Sexually transmitted diseases [editorial] Owili PM. **East Afr Med J** 1983 May;60(5):281

Causes of death in febrile granulocytopenic cancer patients receiving empiric antibiotic therapy. Sculier JP, et al. **Eur J Cancer Clin Oncol** 1984 Jan;20(1):55–60

Role of antimicrobial synergism in infected granulocytopenic patients. Standiford HC, et al. **Eur J Cancer Clin Oncol** 1984 Aug;20(8):1007–10

Fosfomycin in the treatment of cystic fibrosis [letter] Katznelson D, et al. **Eur J Clin Microbiol** 1984 Jun;3(3):213

Experimental animal model of surgical wound infection applicable to antibiotic prophylaxis. Moesgaard F, et al. **Eur J Clin Microbiol** 1983 Oct;2(5):459–62
Septic shock in the elderly. Holloway WA, et al. **Geriatrics** 1984 Jul;39(7):48–54
Nonbacterial and unusual pneumonias in the elderly. Weitekamp MR, et al. **Geriatrics** 1984 Mar;39(3):87–9, 92–3, 96–100
Antibiotics in the treatment of biliary infection. Dooley JS, et al. **Gut** 1984 Sep;25(9):988–98 (71 ref.)
Antibiotic use is source of deviance from standards. Affeldt JE. **Hospitals** 1984 Aug 16;58(16):74
Antimicrobial therapy in newborn infants. Bhat M. **Indian J Pediatr** 1983 Mar–Apr;50(403):183–93
The cost analysis of antibiotics in pediatric practice [letter] Gupta AP. **Indian Pediatr** 1983 Jul;20(7):531–2
The cost implications of clean air systems and antibiotic prophylaxis in operations for total joint replacement. Lidwell OM. **Infect Control** 1984 Jan;5(1):36–7
Role of aminoglycosides in face of introduction of new beta-lactam antibiotics in treatment of nosocomial infection. McGowan JE Jr, et al. **Infect Control** 1983 Nov–Dec;4(6):440–3
Infections in burned patients. Mayhall CG, et al. **Infect Control** 1983 Nov–Dec;4(6):454–9
Legal aspects of antibiotic audit. Nottebart HC Jr. **Infect Control** 1984 Feb;5(2):93–4
Significance of encapsulated Bacteroides melaninogenicus and Bacteroides fragilis groups in mixed infections. Brook I, et al. **Infect Immun** 1984 Apr;44(1):12–5
Therapy with antibiotics in leukemic patients. Klastersky J. **Infection** 1983;11 Suppl 2:S97–101
The prognostic value of the antibiogram. Stille W. **Infection** 1983;11 Suppl 2:S66–70
Therapy of anaerobic infections. Wilkins TD, et al. **Infection** 1983;11 Suppl 2:S105–8
Antibiotic coverage for bowel surgery. Condon RE. **Int Adv Surg Oncol** 1984;7:1–31
Survival of Mycobacterium leprae in mice administered several antibiotics per Os [letter] Levy L, et al. **Int J Lepr** 1983 Jun;51(2):254–5
The control of postoperative infection in general surgery. Ferraz EM, et al. **Int Surg** 1984 Jan–Mar;69(1):5–11
The use and misuse of antibiotics in surgery. Li Voti P, et al. **Ital J Surg Sci** 1984;14(2):149–50
Periodontal results [letter] Keyes PH. **J Am Dent Assoc** 1984 Apr;108(4):466
Isolation of mastitis pathogens from quarters of cows recently treated with antimicrobial agents. Stem ES 3d, et al. **J Am Vet Med Assoc** 1984 Jan 15;184(2):161–3
Comparative clinical trials of antimicrobial drugs. Davey P. **J Antimicrob Chemother** 1984 Mar;13(3):204–8
Antimicrobial chemotherapy in the treatment of brain abscess [editorial] de Louvois J. **J Antimicrob Chemother** 1983 Sep; 12(3):205–7
Treatment of peritonitis complicating continuous ambulatory peritoneal dialysis. Fenton P. **J Antimicrob Chemother** 1984 May;13(5):411–3
Therapy of infections caused by 'atypical' mycobacteria. Grange JM. **J Antimicrob Chemother** 1984 Apr; 13(4):308–10
The results of a randomized trial of empirical antibiotic treatment in febrile neutropenic patients with four beta-lactam/aminoglycoside combinations. Hann I, et al. **J Antimicrob Chemother** 1983 May;11 Suppl C:57–63
The key role of aminoglycosides in antibacterial therapy and prophylaxis. Jackson GG. **J Antimicrob Chemother** 1984 Jan;13 Suppl A:1–7 (15 ref.)
The clinical versatility of aminoglycosides. Jackson GG. **J Antimicrob Chemother** 1984 Jan;13 Suppl A:47–9
Pharmacokinetic and bacteriological correlations between antimicrobial therapy of experimental meningitis in rabbits and meningitis in humans: a review. McCracken GH Jr. **J Antimicrob Chemother** 1983 Dec;12 Suppl D:97–108 (22 ref.)
Alternative antibiotics for the treatment of Pseudomonas infections in cystic fibrosis. Mastella G, et al. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:297–311
Netilmicin in the treatment of immunocompromised patients. Noone P. **J Antimicrob Chemother** 1984 Jan;13 Suppl A:51–8
The use of antibiotics in pregnancy [editorial] Philipson A. **J Antimicrob Chemother** 1983 Aug;12(2):101–2
Pseudomonic acid—a new antibiotic for skin infections. Reilly GD, et al. **J Antimicrob Chemother** 1984 Mar; 13(3):295–8
Management of staphylococcal endocarditis in drug addicts. Combined therapy with oral rifampicin and aminoglycosides. Suter F, et al. **J Antimicrob Chemother** 1984 Jun;13 Suppl C:57–60
Future perspectives of aminoglycoside therapy. Waldvogel FA. **J Antimicrob Chemother** 1984 Jan;13 Suppl A:73–8
Prophylactic antibiotic therapy for endophthalmitis with intraocular lens implantation. Newton NL Jr, et al. **J Arkansas Med Soc** 1983 Nov;80(6):249–52
A comparative study of various antibacterial drugs in lower respiratory tract infections and pneumonias in adults. Kamat SR, et al. **J Assoc Physicians India** 1983 Apr; 31(4):209–15
Management of acute diarrhea. Gertler S, et al. **J Clin Gastroenterol** 1983 Dec;5(6):523–34 (107 ref.)
Bacteraemia during prostatectomy and other transurethral operations: influence of timing of antibiotic administration. Murphy DM, et al. **J Clin Pathol** 1984 Jun;37(6):673–6
Assay of antibiotics in urine from patients with urinary tract infection under antibiotic therapy. Das NK, et al. **J Commun Dis** 1983 Sep;15(3):178–82
Effectiveness of a dental school program in the prevention of infective endocarditis and other related infections. Jaspers MT, et al. **J Dent Educ** 1984 Mar;48(3):159–63
Antibiotic effects on bacterial counts in skin lesions of experimental staphylococcal skin infections in the hamster. Ikeda M, et al. **J Dermatol (Tokyo)** 1984 Feb;11(1):67–72
Clinical features and treatment of acute bronchitis. Dunlay J, et al. **J Fam Pract** 1984 May;18(5):719–22
Indications and uses of prophylactic antibiosis in podiatric surgery. Till KE, et al. **J Foot Surg** 1984 Mar–Apr; 23(2):166–72
Eikenella corrodens in hand infections. Goldstein EJ, et al. **J Hand Surg** 1983 Sep;8(5 Pt 1):563–7
Antibiotic therapy of experimental airborne Legionnaires' disease. Gibson DH, et al. **J Infect** 1983 Nov;7(3):210–7
Erythromycin compared with a combination of ampicillin and amoxycillin as initial therapy for adults with pneumonia including Legionnaires' disease. Macfarlane JT, et al. **J Infect** 1983 Sep;7(2):111–7
Studies of in vitro synergy between several beta-lactam and aminoglycoside antibiotics against endocarditis strains of Pseudomonas aeruginosa. Reyes MP, et al. **J Infect** 1984 Mar;8(2):110–7
Antibiotic synergism in experimental Pseudomonas aeruginosa infections [letter] Davis SD, et al. **J Infect Dis** 1983 Dec;148(6):1172–3
Experimental pneumonia due to Haemophilus influenzae: observations on pathogenesis and treatment. Esposito AL, et al. **J Infect Dis** 1984 May;149(5):728–34
Laboratory tests for defining bactericidal activity as predictors of antibiotic efficacy in the treatment of endocarditis due to Staphylococcus aureus in rabbits. Fass RJ. **J Infect Dis** 1984 Jun;149(6):904–12
Prophylactic antibiotic regimens in patients with acute leukemia [letter] Gurwith M. **J Infect Dis** 1983 Dec; 148(6):1171–2
Single versus combination aatibiotic therapy for pneumonia due to Pseudomonas aeruginosa in neutropenic guinea pigs. Rusnak MG, et al. **J Infect Dis** 1984 Jun;149(6):980–5
Antimicrobial prophylaxis. Positano RG, et al. **J Natl Med Assoc** 1984 Jul;76(7):729, 732–6
Current concepts of bacterial infections of the central nervous system. Bacterial meningitis and bacterial brain abscess. Garvey G. **J Neurosurg** 1983 Nov;59(5):735–44 (51 ref.)
Antibiotic prophylaxis in neurosurgery. A randomized controlled trial. Geraghty J, et al. **J Neurosurg** 1984 Apr; 60(4):724–6
Antibiotic prophylaxis in neurosurgery [letter] Hudson SJ, et al. **J Neurosurg** 1984 Sep;61(3):618–9
Antibiotics, sore throats and acute nephritis. Taylor JL, et al. **J R Coll Gen Pract** 1983 Dec;33(257):783–6
Sexually transmitted diseases: treatment guidelines: 1982. U.S. Department of Health and Human Services. **J Reprod Med** 1983 Oct;28(10 Suppl):727–39
The staging of acute salpingitis and its therapeutic ramifications. Monif GR. **J Reprod Med** 1983 Oct;28(10 Suppl):712–5
Current concepts of antimicrobial therapy. I. Pickering LK, et al. **J Trop Pediatr** 1984 Apr;30(2):119–22
Re: Antimicrobial agents for the prevention of urinary tract infection in transurethral surgery [letter] Desautels RE. **J Urol** 1984 Jun;131(6):1188
Prophylactic antibiotics and Foley catheter use in transperineal needle biopsy of the prostate. Packer MG, et al. **J Urol** 1984 Apr;131(4):687–9
Apparent failure in endocarditis prophylaxis [letter] **JAMA** 1984 Jun 22–29;251(24):3221–2
Potentiation of cytotoxicity of anticancer agents by several different polyene antibiotics. Valeriote F, et al. **JNCI** 1984 Feb;72(2):435–9
External application of antibiotic to improve survival of adult laboratory frogs (Rana pipiens). Menard MR. **Lab Anim Sci** 1984 Feb;34(1):94–6
Imipenem/cilastatin versus gentamicin/clindamycin for treatment of serious bacterial infections. Report from a Scandinavian Study Group. **Lancet** 1984 Apr 21; 1(8382):868–71
Pseudomonic acid and control of methicillin-resistant staphylococci [letter] Casewell MW, et al. **Lancet** 1983 Dec 3;2(8362):1312
Successful treatment of legionella pneumonia with imipenem [letter] Chiodini PL, et al. **Lancet** 1984 Feb 18;1(8373):401
Nasal carriage of gentamicin and methicillin resistant Staphylococcus aureus treated with topical pseudomonic acid [letter] Dacre JE, et al. **Lancet** 1983 Oct 29; 2(8357):1036
Antibiotic doses for bronchiectasis of cystic fibrosis [letter] Knight RK. **Lancet** 1983 Oct 22;2(8356):970–1
Antimicrobial prophylaxis for contaminated head and neck surgery. Johnson JT, et al. **Laryngoscope** 1984 Jan; 94(1):46–51
Elective colo-rectal surgery [letter] Askew AR. **Med J Aust** 1984 Jan 7;140(1):53
Antibiotic treatment in large bowel cancer [letter] Barss P. **Med J Aust** 1983 Jul 23;2(2):64
Use of antibiotic agents in a large teaching hospital. The impact of Antibiotic Guidelines. Harvey K, et al. **Med J Aust** 1983 Sep 3;2(5):217–21
Antibiotic guidelines and antibiotic policies [editorial] Shaw J. **Med J Aust** 1983 Sep 3;2(5):204–5
Prophylaxis of bacterial endocarditis. Awareness of need. Sholler GF, et al. **Med J Aust** 1984 May 26;140(11):650–2
Today's antibiotics—the way ahead. Lacey RW. **Med Lab Sci** 1984 Apr;41(2):173–8
Prevention of bacterial endocarditis. **Med Lett Drugs Ther** 1984 Jan 6;26(652):3–4
An outpatient audit of antibiotic usage. Moriarty RA. **Milit Med** 1984 Jan;149(1):9–11
Improved prognosis of malignant external otitis. Case report. Mechlin NJ, et al. **Mo Med** 1984 Jun;81(6):312–5, 319
Clinical pharmacology of aminoglycosides. Part 2. Houdeshell JW, et al. **Mod Vet Pract** 1982 Sep;63(9):707–10
Treatment for Neisseria gonorrhoeae and Chlamydia trachomatis [letter] **N Engl J Med** 1984 Jul 12;311(2):124–6
Salmonella choleraesuis endocarditis. Cohen JI. **NC Med J** 1984 Jul;45(7):431–3
Antimicrobial prescribing errors in children [letter] **NZ Med J** 1983 Dec 14;96(745):1027–9
Blood culture isolates at Green Lane Hospital, 1972–1982. Sage MJ, et al. **NZ Med J** 1984 Aug 8;97(761):531–3
The asplenic patient: a consideration for antimicrobial prophylaxis. Terezhalmy GT, et al. **Oral Surg** 1984 Jan; 57(1):114–7
Antimicrobial therapy in musculoskeletal surgery. Thompson RL, et al. **Orthop Clin North Am** 1984 Jul;15(3):547–64 (49 ref.)
Clinical experiences in neonatal salmonellosis with particular reference to diarrhea and septicemia. Monintja HE, et al. **Paediatr Indones** 1983 Nov–Dec;23(11–12):201–16
Controversies in antimicrobial agents for otitis media. Introduction: goals and definitions. Bluestone CD, et al. **Pediatr Ann** 1984 May;13(5):361–3
Chronic suppurative otitis media: antimicrobial therapy or surgery? Bluestone CD, et al. **Pediatr Ann** 1984 May; 13(5):417–21
Antimicrobial therapy for otitis media with effusion ('secretory' otitis media). Bluestone CD. **Pediatr Ann** 1984 May;13(5):405–10
Antibiotic ear drop use in the nonintact tympanic membrane. Fairbanks DN. **Pediatr Ann** 1984 May;13(5):411–5
Antimicrobial prophylaxis for recurrent acute otitis media. Klein JO. **Pediatr Ann** 1984 May;13(5):398–403
Otitis media: a perennial problem. Levine MI. **Pediatr Ann** 1984 May;13(5):357–8
The correlation of in vitro tests with the outcome of antimicrobial therapy for otitis media. McCabe WR. **Pediatr Ann** 1984 May;13(5):365–8
Inadequate resolution of acute otitis media following antimicrobial therapy. Paradise JL. **Pediatr Ann** 1984 May; 13(5):382–90
Indication and duration of antimicrobial agents for acute otitis media. Wright PF. **Pediatr Ann** 1984 May;13(5):377–9
Medical and surgical therapy of sinusitis. Bluestone CD. **Pediatr Infect Dis** 1984 May–Jun;3(3 Suppl):S13–8
The use of antibiotics in pediatric abdominal surgery. Chang JH. **Pediatr Infect Dis** 1984 May–Jun;3(3):195–8
Antimicrobial therapy of febrile children with malignancies and possible sepsis. Frazier JP, et al. **Pediatr Infect Dis** 1984 Jan–Feb;3(1):40–5
Antibiotics for streptococcal pharyngitis [letter] Kaplan EL. **Pediatr Infect Dis** 1984 Jul–Aug;3(4):372
New developments in the management of children with bacterial meningitis. McCracken GH Jr. **Pediatr Infect Dis** 1984 May–Jun;3(3 Suppl):S32–4
New antibiotics and new ways of using older drugs. Nelson JD. **Pediatr Infect Dis** 1984 May–Jun;3(3 Suppl):S2–5
Antibiotics and pharyngitis [letter] Shulman ST. **Pediatr Infect Dis** 1984 May–Jun;3(3):285
Prophylactic antibiotics. Siegel JD. **Pediatr Infect Dis** 1984 May–Jun;3(3 Suppl):S37–41
The management of central intravenous catheter infections. Wang EE, et al. **Pediatr Infect Dis** 1984 Mar–Apr; 3(2):110–3
Antibiotic drug therapy in the newborn. Eichenwald HF. **Pediatr Pharmacol (New York)** 1983;3(3–4):181–7
Renal toxicity of aminoglycosides in the neonatal period. Heimann G. **Pediatr Pharmacol (New York)** 1983; 3(3–4):251–7
Antibiotic therapy of fulminant E. coli K1 sepsis in infant rabbits. Law BJ, et al. **Pediatr Res** 1984 Apr;18(4):314–7
Newer antibiotics: implications for clinicians. Schlossberg D. **Penn Med** 1983 Dec;86(12):58–60
Community-acquired bacterial pneumonia in the elderly. Gleckman RA, et al. **Pharmacotherapy** 1984 Mar–Apr; 4(2):81–8 (89 ref.)
Amoxicillin and potassium clavulanate: an antibiotic combination. Mechanism of action, pharmacokinetics, antimicrobial spectrum, clinical efficacy and adverse effects. Weber DJ, et al. **Pharmacotherapy** 1984 May–Jun; 4(3):122–36
Aminoglycoside therapy. Improving patient response and safety. Ackerman BH, et al. **Postgrad Med** 1984 Feb 1; 75(2):177–86
Acute hematogenous osteomyelitis. A challenge to clinical acumen. Zack BG. **Postgrad Med** 1984 Feb 1;75(2):103–12
The use of antibiotics in acute-on-chronic bronchitis. Anderson G. **Postgrad Med J** 1983;59 Suppl 3:179–80
Cost reductions for IV antibiotics in a 150-bed hospital. Baughman TL. **QRB** 1984 Feb;10(2):41–4

A pharmacy-based antibiotic UR program. Cohen SS. **QRB** 1984 Jan;10(1):22–5

Diagnosis and treatment of bacterial meningitis. Thys JP. **Resuscitation** 1984 Mar;11(3–4):243–8

Analysis of 1,186 episodes of gram-negative bacteremia in non-university hospitals: the effects of antimicrobial therapy. Bryan CS, et al. **Rev Infect Dis** 1983 Jul–Aug; 5(4):629–38 (29 ref.)

Prospective, randomized, comparative trials in the therapy for intraabdominal and female genital tract infections. Harding GK, et al. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl 1:S283–92

Antimicrobial resistance in hospital organisms and its relation to antibiotic use. McGowan JE Jr. **Rev Infect Dis** 1983 Nov–Dec;5(6):1033–48 (144 ref.)

Prophylaxis for intraabdominal surgery. Nichols RL. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl 1:S276–82 (38 ref.)

A critical review of antibiotic prophylaxis in orthopedic surgery. Norden CW. **Rev Infect Dis** 1983 Sep–Oct; 5(5):928–32 (12 ref.)

Experimental chronic staphylococcal osteomyelitis in rabbits: treatment with rifampin alone and in combination with other antimicrobial agents. Norden CW. **Rev Infect Dis** 1983 Jul–Aug;5 Suppl 3:S491–4

Antibiotic therapy in acute infections of bone and joints in children. Learmonth ID, et al. **S Afr Med J** 1984 Jan 28; 65(4):121–2

Infections as a problem in the intensive care unit. Andersen R. **Scand J Gastroenterol [Suppl]** 1984;90:83–8

Microbial spectrum and antimicrobial susceptibility in infections after gastrointestinal surgery. Bergan T. **Scand J Gastroenterol [Suppl]** 1984;90:1–14

Penetration of antibiotics to tissues and infected foci. Bergan T, et al. **Scand J Gastroenterol [Suppl]** 1984;90:29–34

Cholecystitis—etiology and treatment—microbiological aspects. Bjorvatn B. **Scand J Gastroenterol [Suppl]** 1984; 90:65–70

Antimicrobial prophylaxis in biliary and gastrointestinal surgery. Giercksky KE. **Scand J Gastroenterol [Suppl]** 1983; 85:104–10

Chemotherapeutic prophylaxis in intestinal surgery. Grüner OP, et al. **Scand J Gastroenterol [Suppl]** 1983;85:93–7 (22 ref.)

Management of surgical infections. Kosmidis J. **Scand J Gastroenterol [Suppl]** 1984;90:71–5

Efficacy of metronidazole and fosfomycin alone and in combination in the treatment of experimentally induced intra-abdominal infections. Nord CE, et al. **Scand J Gastroenterol [Suppl]** 1984;90:15–9

Antimicrobial therapy of infections following abdominal surgery. Schreiner A. **Scand J Gastroenterol [Suppl]** 1984; 90:77–81

Anaerobic infections—the most important antimicrobial drugs and their clinical profile. Solberg CO. **Scand J Gastroenterol [Suppl]** 1983;85:14–22 (12 ref.)

Monitoring antimicrobial therapy in bacterial endocarditis. Dornbusch K, et al. **Scand J Infect Dis [Suppl]** 1983; 41:173–6

Treatment of maxillary sinusitis. Ekedahl C. **Scand J Infect Dis [Suppl]** 1983;39:56–8

Respiratory tract infections at a community care centre—with emphasis on group A streptococci. Hovelius B, et al. **Scand J Infect Dis [Suppl]** 1983;39:59–67

Some non-bacteriological determinants and implications of antibiotic use in upper respiratory tract illness. Howie JG. **Scand J Infect Dis [Suppl]** 1983;39:68–72

Frequency, phage types and antibiotic resistance of Staphylococcus aureus isolated from blood cultures in Denmark 1975–1981. Rosendal K, et al. **Scand J Infect Dis [Suppl]** 1983;41:19–29

Therapy of staphylococcal septicaemia in compromised hosts. Solberg CO, et al. **Scand J Infect Dis [Suppl]** 1983; 41:177–86

Comments on tolerant staphylococci. Sörén L. **Scand J Infect Dis [Suppl]** 1983;41:158–60

Antibiotic treatment of staphylococcal septicaemia and endocarditis in a Swedish hospital. Svanbom M. **Scand J Infect Dis [Suppl]** 1983;41:161–72

A general survey of antibiotic treatment of staphylococcal septicaemia and endocarditis. Watanakunakorn C. **Scand J Infect Dis [Suppl]** 1983;41:151–7

Advances in the prophylaxis and treatment of infections in immunocompromised patients (a symposium). Lausanne, 11. 3. 1983. **Schweiz Med Wochenschr [Suppl]** 1983;14:1–75

Prophylactic antibiotics in urologic surgery. Russo P, et al. **Semin Urol** 1983 May;1(2):155–63

Comparison of rosaramicin and erythromycin stearate for treatment of cervical infection with Chlamydia trachomatis. Robson HG, et al. **Sex Transm Dis** 1983 Jul–Sep;10(3):130–4

Antibiotic susceptibility and beta-lactamase production of faecal and clinical isolates of bacteroides species in Singapore. Soong TW, et al. **Singapore Med J** 1984 Apr; 25(2):87–91

Augmentin (Amoxycillin and clavulanic acid) in the treatment of urinary tract infections and skin and soft tissue infections. Tan TH, et al. **Singapore Med J** 1983 Oct; 24(5):299–302

Antibiotic prophylaxis in surgery: improvement after a multihospital educational program. Crossley KB. **South Med J** 1984 Jul;77(7):864–7

Antibiotics in surgery. Hau T, et al. **Surg Annu** 1983; 15:177–205 (187 ref.)

Effect of antibiotic treatment on sputum elastase in bronchiectatic outpatients in a stable clinical state. Stockley RA, et al. **Thorax** 1984 Jun;39(6):414–9

Management of the infected hemodialysis access grafts. Nghiem DD, et al. **Trans Am Soc Artif Intern Organs** 1983; 29:360–2

Treatment of mastitis. Moore GA, et al. **Vet Clin North Am [Large Anim Pract]** 1984 Jul;6(2):323–33

Therapeutics in avian medicine. Flock vs. individual bird treatment regimens. Clubb SL. **Vet Clin North Am [Small Anim Pract]** 1984 Mar; 14(2):345–61

'Pink eye' or 'zere oogjes' or keratoconjunctivitis infectiosa ovis (KIO). Clinical efficacy of a number of antimicrobial therapies. König CD. **Vet Q** 1983 Jul;5(3):122–7

Criteria for selection of antibiotics. Knifton A. **Vet Rec** 1984 Apr 7;114(14):357–60

Selection of antibiotics in small animal practice. Knifton A. **Vet Rec** 1984 Jul 14;115(2):38–40

Selection of antibiotics for use in equine practice. Ricketts SW, et al. **Vet Rec** 1984 Jun 2;114(22):544–6

In-vitro activity of augmentin against clinically important gram-positive and gram-negative bacteria in comparison with other antibiotics. Focht J, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 Apr; 256(4):523–30

Studies on the activity of Obioactin with acetylspiramycin on mice infected with Toxoplasma gondii. Suzuki N, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 Mar; 256(3):367–80

[Antibiotic prophylaxis in obstetrics] Katsulov A. **Akush Ginekol (Sofiia)** 1983;22(5):394–400 (16 ref.) **(Bul)**

[Case of candidal sepsis during treatment of bacterial postoperative urosepsis with broad-spectrum antibiotics and glucocorticoid hormones] Ashkov S, et al. **Khirurgiia (Sofiia)** 1983;36(4):373–5 **(Bul)**

[Complex biochemical analysis of cicatricial connective tissue after implantation of the synthetic Bulgarian antimicrobial polyamide sheet into the abdominal wall of rabbits] Prodanov K, et al. **Khirurgiia (Sofiia)** 1984;37(2):101–7 **(Bul)**

[Experience with the use of a Bulgarian antimicrobial polyamide sheet in the surgical treatment of postoperative and recurrent hernias of the anterior abdominal wall] Zlatanov Z, et al. **Khirurgiia (Sofiia)** 1984;37(2):153–5 **(Bul)**

[Trials using drugs in diseases of the silkworm (Bombyx mori L.)] Manchev M, et al. **Vet Med Nauki** 1984;21(3):91–5 (Eng. Abstr.) **(Bul)**

[Drug treatment of sinusitis] Van Cauwenberge P. **Acta Otorhinolaryngol Belg** 1983;37(4):614–23 (Eng. Abstr.) **(Dut)**

[The use of antimicrobial agents in a nursing home] Cools HJ. **Ned Tijdschr Geneeskd** 1984 Feb 18;128(7):299–302 (Eng. Abstr.) **(Dut)**

[Fewer postoperative wound infections following a change of policy] Oostvogel HJ, et al. **Ned Tijdschr Geneeskd** 1984 May 12;128(19):896–9 (Eng. Abstr.) **(Dut)**

[Trial prevention of the risk of infection during treatment of hydrocephalus in children by cerebrospinal fluid shunts] Duret N, et al. **Agressologie** 1983 May;24(6):239–42 (Eng. Abstr.) **(Fre)**

[Nontraumatic cerebral abscesses and empyema. Bacteriologic diagnosis and management of antibiotic treatment (41 cases)] Felten-Papaiconomou A, et al. **Agressologie** 1983 Apr;24(5):197–9 (Eng. Abstr.) **(Fre)**

[Peroperative prophylactic antibiotics in neurosurgery] Goldstein A, et al. **Agressologie** 1983 May;24(6):233–6 (Eng. Abstr.) **(Fre)**

[Importance of the cefotaxime-fosfomycin combination. Apropos of a case of meningitis due to heterogeneously resistant Staphylococcus aureus] Tremeaux JC, et al. **Agressologie** 1983 Apr;24(4):169–71 (Eng. Abstr.) **(Fre)**

[Antibiotic prophylaxis of postoperative infectious complications in neurosurgery] Urciuoli R, et al. **Agressologie** 1983 May;24(6):237–8 (Eng. Abstr.) **(Fre)**

[Current concepts in the treatment of severe bacterial meningitis] Veyssier P. **Agressologie** 1983 Apr;24(5):183–5 (Eng. Abstr.) **(Fre)**

[Indications for antibiotic therapy and stool culture during acute diarrhea in the child] Omanga U, et al. **Ann Pediatr (Paris)** 1984 May;31(5):423–30 (Eng. Abstr.) **(Fre)**

[Fosfomycin in severe infection in neonatology] Rossignol S, et al. **Ann Pediatr (Paris)** 1984 May;31(5):437–44 (Eng. Abstr.) **(Fre)**

[Diffuse recto-colic malacoplakia: association with cryptogenic colitis and remission following long-term antibiotic therapy] Le Bourgeois P, et al. **Gastroenterol Clin Biol** 1984 May;8(5):426–9 (Eng. Abstr.) **(Fre)**

[Should preventive antibiotics be prescribed in surgery of the appendix, biliary tract, stomach and duodenum?] Molkhou JM, et al. **J Chir (Paris)** 1983 Dec;120(12):721–8 (37 ref.) (Eng. Abstr.) **(Fre)**

[Evaluation of systemic antibiotic preventive treatment in colorectal surgery] Monrozies X, et al. **J Chir (Paris)** 1983 Jun–Jul;120(6–7):393–6 (Eng. Abstr.) **(Fre)**

[Analysis of infectious sequelae of 1000 neurosurgical operations. Effects of prophylactic antibiotherapy] Ragguenau JL, et al. **Neurochirurgie** 1983;29(4):229–33 (Eng. Abstr.) **(Fre)**

[Can fosfomycin reduce the nephrotoxicity of aminoglycosides?] Morin JP, et al. **Pathol Biol (Paris)** 1984 May;32(5):338–42 (Eng. Abstr.) **(Fre)**

[A method for evaluating the activity of antibiotics during the early phase of syphilitic infection] Poitevin M, et al. **Pathol Biol (Paris)** 1984 Jun;32(5 Pt 2):576–80 (Eng. Abstr.) **(Fre)**

[Empiric antibiotic therapy in granulopenic patients] Klastersky J. **Presse Med** 1984 Apr 21;13(17):1067–9 **(Fre)**

[Current therapeutic indications of aminoglycosides] Modai J. **Presse Med** 1984 Apr 14;13(16):991–5 (20 ref.) (Eng. Abstr.) **(Fre)**

[Treatment of non-gonococcal urethritis] Hubrechts JM. **Rev Int Trach Pathol Ocul Trop Subtrop Sante Publique** 1982;(2–3):149–55 (Eng. Abstr.) **(Fre)**

[Antibiotics and chemotherapy—from research to practice. IX. Remarks directed to practitioners on the characteristics of semi-synthetic penicillins and various other recently discovered beta-lactamases] Pilloud M. **Schweiz Arch Tierheilkd** 1984 Feb;126(2):65–81 (Eng. Abstr.) **(Fre)**

[Gram negative infections and antibiotic monotherapy] Ekoe JM, et al. **Schweiz Rundsch Med Prax** 1984 Jan 24; 73(4):115–9 (Eng. Abstr.) **(Fre)**

[Treatment of severe renal infections] Meyrier A. **Schweiz Rundsch Med Prax** 1984 Apr 3;73(14):433–5 **(Fre)**

[The right choice of antibiotics in practice outside the hospital] Rapin M, et al. **Sem Hop Paris** 1983 Oct 20; 59(37–38):2587–9 **(Fre)**

[Treatment of urinary tract infections] Glauser MP. **Ther Umsch** 1984 May;41(5):330–4 (Eng. Abstr.) **(Fre)**

[The practicing physician faced with an infectious pulmonary lesion] Regamey C. **Ther Umsch** 1984 May;41(5):324–9 (Eng. Abstr.) **(Fre)**

[Antibiotic therapy in severe infections] Vogel F. **Anasth Intensivther Notfallmed** 1983 Oct;18(5):250–7 (Eng. Abstr.) **(Ger)**

[Current antibiotic therapy in ORL treatment - principles, possibilities, limitations] Naumann P. **Arch Otorhinolaryngol [Suppl]** 1983;2:260–73 **(Ger)**

[10 years' antibiotic prophylaxis in hip surgery] Reichel F. **Beitr Orthop Traumatol** 1983 Sep;30(9):450–8 (Eng. Abstr.) **(Ger)**

[Preventive use of antibiotics in surgery of the gastrointestinal tract] Hamelmann H, et al. **Chirurg** 1984 Apr;55(4):218–21 **(Ger)**

[Preventive use of antibiotics in the surgery of injuries] Hierholzer S, et al. **Chirurg** 1984 Apr;55(4):222–6 **(Ger)**

[Diagnosis and antibiotic treatment of infectious diseases in general practice. Results of an inquiry] Kemmerich B, et al. **Dtsch Med Wochenschr** 1983 Dec 23;108(51–52):1943–7 (Eng. Abstr.) **(Ger)**

[Rational and economic antibiotics therapy in medical practice and outpatient clinics] Münch R, et al. **Dtsch Med Wochenschr** 1984 May 25;109(21):834–40 **(Ger)**

[In which operations is antibiotic prevention carried out with only a a single dose? Results of a survey among chief physicians in general surgery in German-speaking Switzerland] Mindermann T, et al. **Fortschr Med** 1984 Mar 15;102(10):253–4 (Eng. Abstr.) **(Ger)**

[Effectiveness of pre-operative antibiotic prevention in hysterectomies and cesarean section] Hirsch HA, et al. **Geburtshilfe Frauenheilkd** 1984 Jan;44(1):8–13 (Eng. Abstr.) **(Ger)**

[Antibiotic therapy in infectious endocarditis] Adam D. **Herz** 1983 Dec;8(6):311–9 (Eng. Abstr.) **(Ger)**

[Pretreatment before microsurgical interventions in the middle ear with reference to the current bacteriological and antibiotic situation] Luckhaupt H, et al. **HNO** 1983 Dec;31(12):420–2 (Eng. Abstr.) **(Ger)**

[Fosfomycin—a new antibiotic in rhinootolaryngology] Stammberger H. **HNO** 1983 Dec;31(12):436–9 (Eng. Abstr.) **(Ger)**

[High-dosage combination antibiotic treatment in severe therapy-resistant uveitis and necrotizing (chorio)retinitis] Fricke HJ, et al. **Klin Monatsbl Augenheilkd** 1983 Sep; 183(3):173–9 (Eng. Abstr.) **(Ger)**

[Release delay of various antibiotics from resorbable tricalcium phosphate ceramic granules with soluble coating for local treatment of osteomyelitis. An animal experiment study] Eitenmüller J, et al. **Langenbecks Arch Chir** 1983; 360(3):193–206 (Eng. Abstr.) **(Ger)**

[Antibiotic therapy in kidney failure] Lode H, et al. **Med Welt** 1983 Nov 25;34(47):1356–9 **(Ger)**

[Treatment of opportunistic infections in AIDS] Staszewski S, et al. **MMW** 1983 Sep 30;125(39):841–4 (Eng. Abstr.) **(Ger)**

[Neuroradiological follow-up studies of conservatively treated brain abscesses] Schroth G, et al. **Radiologe** 1983 Oct;23(10):463–70 (Eng. Abstr.) **(Ger)**

[Acute osteomyelitis in childhood. A follow-up of predominantly conservatively treated children] Bamberger T, et al. **Schweiz Med Wochenschr** 1983 Sep 3; 113(35):1219–28 (Eng. Abstr.) **(Ger)**

[Microbiologic principles of antibiotic therapy] Gerber AU. **Schweiz Med Wochenschr** 1984 Apr 14;114(15):506–14 (Eng. Abstr.) **(Ger)**

[Recommendations for the systemic perioperative prevention

of infections in gynecology and obstetrics] Kunz J, et al. **Schweiz Med Wochenschr** 1984 Jun 30;114(26):956–60 (Eng. Abstr.) **(Ger)**

[Antibiotic therapy of surgical infections] Aeberhard P. **Ther Umsch** 1984 May;41(5):342–8 (Eng. Abstr.) **(Ger)**

[Role of the microbiology laboratory in antibiotic therapy] Auckenthaler R. **Ther Umsch** 1984 May;41(5):313–7 (Eng. Abstr.) **(Ger)**

[Basic aspects of antibiotic therapy] Gerber AU. **Ther Umsch** 1984 May;41(5):306–12 (Eng. Abstr.) **(Ger)**

[Anti-infective therapy of upper respiratory tract infections] Gnehm HE. **Ther Umsch** 1984 May;41(5):318–23 (Eng. Abstr.) **(Ger)**

[Antibiotic therapy of acute bacterial diarrheal diseases] Keller H. **Ther Umsch** 1984 May;41(5):349–53 (Eng. Abstr.) **(Ger)**

[Antibiotic therapy of bacterial meningitis] Schaad UB. **Ther Umsch** 1984 May;41(5):335–41 (Eng. Abstr.) **(Ger)**

[Therapy of genital contact infections] Gschnait F. **Wien Med Wochenschr** 1983;133 Suppl 1:21–6 **(Ger)**

[The value of targeted antibiotic therapy based on the example of streptococcal infections with special reference to late side effects] Zechner G. **Wien Med Wochenschr** 1983;133 Suppl 1:17–21 **(Ger)**

[Treatment of sick children in nurseries—a prospective analysis of the incidence of use of antibiotics] Friedrich W. **Z Arztl Fortbild (Jena)** 1984;78(1):21–4 **(Ger)**

[Sporeless anaerobic bacteria with special reference to resistance testing and resistance behavior] Wolter M. **Z Arztl Fortbild (Jena)** 1983;77(22):919–23 **(Ger)**

[Use of antibiotics—principles and possibilities] Dittmer A. **Z Gesamte Hyg** 1984 Jan;30(1):2–7 (0 ref.) (Eng. Abstr.) **(Ger)**

[Colonization resistance of the digestive tract—significance and implications for the prevention of hospital infections] Günther I, et al. **Z Gesamte Hyg** 1984 Jan;30(1):14–20 (Eng. Abstr.) **(Ger)**

[Influence of sanitary and antibiotic regimes on the bacterial flora of premature and newborn infants under hor dal care] Handrick W, et al. **Z Gesamte Hyg** 1984 Jan;30(1):8–13 (Eng. Abstr.) **(Ger)**

[Experiences with perioperative short-term prevention in thoracic wall and colorectal surgery in children] Dietz HG, et al. **Z Kinderchir** 1984 Feb;39(1):3–5 (Eng. Abstr.) **(Ger)**

[Antibiotic prophylaxis in orthopedics with special reference to spinal operations] Ecker J, et al. **Z Orthop** 1983 Nov–Dec;121(6):738–40 (Eng. Abstr.) **(Ger)**

[Use of antibiotics in newborn infants following premature rupture of fetal membranes] Grauel EL, et al. **Zentralbl Gynakol** 1984;106(11):771–3 **(Ger)**

[The therapeutic approach to the granulocytopenic patient with fever (editorial)] Aderka D. **Harefuah** 1984 May 1; 106(9):429–31 **(Heb)**

[Results of the application of some suspensions and topical formulations to the treatment of the mucous membrane of the mouth in clinical practice] Tornyos Z, et al. **Acta Pharm Hung** 1983 Jul;53(4):154–8 (Eng. Abstr.) **(Hun)**

[The use of antibiotics in dento-alveolar surgery] Simon G, et al. **Fogorv Sz** 1983 Oct;76(10):289–94 (Eng. Abstr.) **(Hun)**

[The treatment of respiratory infections in patients with acute blood diseases] Di Marco P, et al. **Arch Monaldi** 1982 May–Jun;37(3–4):249–52 **(Ita)**

[Usefulness of antibiotic prophylaxis in emergency abdominal surgery] Pesce GL, et al. **Arch Sci Med (Torino)** 1983 Oct–Dec;140(4):361–3 (Eng. Abstr.) **(Ita)**

[Therapy of ictero-hemorrhagic leptospirosis] Fanelli V. **Clin Ter** 1984 Feb 29;108(4):345–9 **(Ita)**

[The bacterial agents responsible for urinary tract infections. II: Study of variations in time of the sensitivity of the bacterial agents to various types of chemoantibiotics] Mendicino A, et al. **Clin Ter** 1983 Oct 15;107(1):29–35 (Eng. Abstr.) **(Ita)**

[Ribostamycin use in otomastoiditis] Colletti V, et al. **G Clin Med** 1983 Jul–Aug;64(7–8):284–94 (Eng. Abstr.) **(Ita)**

[Effects of ribostamycin in bronchopulmonary affections] Zmajevich G, et al. **G Clin Med** 1983 Jul–Aug; 64(7–8):278–83 (Eng. Abstr.) **(Ita)**

[Use of cofosfolactamine in localized bacterial infections] Scalzini A, et al. **G Ital Chemioter** 1984 Jan–Aug; 31(1–2):205–6 **(Ita)**

[Antibiotic prevention in surgery of the large intestine] Dionigi R, et al. **Minerva Chir** 1983 Jul 15–31; 38(13–14):1085–8 (Eng. Abstr.) **(Ita)**

[Update on antibiotic therapy. 17) A combination of fosfomycin and cephalexin (cefemic cofosfolactamine)] Di Nola F. **Minerva Med** 1983 May 12;74(20):1217–22 **(Ita)**

[Statistical analysis of antibiograms: indications for therapy and research] Hanau C, et al. **Nuovi Ann Ig Microbiol** 1982 Jan–Feb;33(1):83–105 (Eng. Abstr.) **(Ita)**

[Our experience with antibiotic therapy in children hospitalized between 1979 and 1981] Bartolozzi G, et al. **Pediatr Med Chir** 1983 Jul–Aug;5(4):171–8 (Eng. Abstr.) **(Ita)**

[Antibiotic treatment of lung disease in cystic fibrosis] Biasini GC, et al. **Pediatr Med Chir** 1983 Jul–Aug;5(4):157–60 (Eng. Abstr.) **(Ita)**

[The treatment of otitis media] Chaput de Saintonge DM, et al. **Recenti Prog Med** 1984 Mar;75(3):303–20 (89 ref.) (Eng. Abstr.) **(Ita)**

[Chemotherapy for bacterial infections in renal transplantation and recent antibacterial agents] Ohkoshi M. **Hinyokika Kiyo** 1983 Dec;29(12):1567–77 (11 ref.) (Eng. Abstr.) **(Jpn)**

[Evaluation of fosfomycin in Campylobacter jejuni enteritis] Fuchigami T, et al. **Jpn J Antibiot** 1983 Oct;36(10):2849–55 (Eng. Abstr.) **(Jpn)**

[Effects of antibiotics in the prevention of infections following vaginal and abdominal hysterectomy: an evaluation by febrile morbidity and fever index] Tabei T. **Jpn J Antibiot** 1983 Jul;36(7):1569–80 (55 ref.) (Eng. Abstr.) **(Jpn)**

[Clinical experience with fosfomycin sodium for bacterial infections in obstetrics and gynecology] Yamamoto T, et al. **Jpn J Antibiot** 1983 Aug;36(8):2109–14 (Eng. Abstr.) **(Jpn)**

[Clinical experience with fosfomycin sodium for infectious diseases in obstetrics and gynecology] Yamazaki T, et al. **Jpn J Antibiot** 1983 Aug;36(8):2115–9 (Eng. Abstr.) **(Jpn)**

[Chemotherapy of epididymitis] Kaneko H, et al. **Nippon Hinyokika Gakkai Zasshi** 1984 Jan;75(1):89–95 (Eng. Abstr.) **(Jpn)**

[A study of antibiotic prophylaxis in cardiac surgery] Hirooka Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Jan; 32(1):1–7 (Eng. Abstr.) **(Jpn)**

[Antibiotic therapy against respiratory infections in diffuse panbronchiolitis] Nakamori Y, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Aug; 21(8):693–8 (Eng. Abstr.) **(Jpn)**

[Future of antibiotic therapy in various fields of medicine. 5. Otorhinolaryngology] Baba S. **Nippon Rinsho** 1984 Mar; 42(3):605–11 (11 ref.) **(Jpn)**

[Future of antibiotic therapy in various medical fields. 1. Internal medicine. b. Respiratory tract infections] Hara K, et al. **Nippon Rinsho** 1984 Mar;42(3):566–72 (23 ref.) **(Jpn)**

[Future of antibiotic therapy in various medical fields. 2. Surgery. a. Therapy of postoperative infections] Ishibiki K, et al. **Nippon Rinsho** 1984 Mar;42(3):576–81 **(Jpn)**

[Future of antibiotic therapy in various fields of medicine. 6. Urology. Present status and problems in the therapy of urinary tract infections] Kawada Y. **Nippon Rinsho** 1984 Mar;42(3):612–7 **(Jpn)**

[Future of antibiotic therapy in various fields of medicine. 1. Internal medicine. a. Septicemia] Kobayashi Y, et al. **Nippon Rinsho** 1984 Mar;42(3):560–5 (16 ref.) **(Jpn)**

[Future of antibiotic therapy in various fields of medicine. 4. Pediatrics] Kobayashi Y, et al. **Nippon Rinsho** 1984 Mar; 42(3):598–604 (25 ref.) **(Jpn)**

[Reflections on antibiotic therapy] Mashimo K. **Nippon Rinsho** 1984 Mar;42(3):696–8 **(Jpn)**

[Future of antibiotic therapy in various fields of medicine. 2. Surgery. b. Prophylactic administration of antibiotics] Nakayama I, et al. **Nippon Rinsho** 1984 Mar;42(3):582–6 (19 ref.) **(Jpn)**

[Future of antibiotic therapy in various fields of medicine. 7. Ophthalmology] Ooishi M, et al. **Nippon Rinsho** 1984 Mar;42(3):618–23 **(Jpn)**

[Future of antibiotic therapy in various fields of medicine. 8. Dentistry and oral surgery] Tamai K. **Nippon Rinsho** 1984 Mar;42(3):624–8 **(Jpn)**

[Future of antibiotic therapy in various medical fields. 1. Internal medicine. c. Biliary tract infections] Urayama K, et al. **Nippon Rinsho** 1984 Mar;42(3):573–5 (8 ref.) **(Jpn)**

[Criteria for the estimation of clinical effect of antimicrobial drugs in the treatment of infections associated with granulocytopenia] Takaku F, et al. **Rinsho Ketsueki** 1984 Apr;25(4):588–92 (Eng. Abstr.) **(Jpn)**

[Pyogenic liver abscesses. Alternatives to surgical treatment] Bugge JF, et al. **Tidsskr Nor Laegeforen** 1984 Jan 20; 104(2):106–8 (Eng. Abstr.) **(Nor)**

[Effect of various antibiotics and encorton on the phagocytic capacity of peripheral granulocytes] Matusiewicz R. **Pneumonol Pol** 1983 Apr;51(4):225–9 (Eng. Abstr.) **(Pol)**

[Economic aspects of the use of antibiotics in hospital (general aspects)] Januszkiewicz J. **Pol Tyg Lek** 1984 Mar 5;39(10):315–7 **(Pol)**

[Economic aspect of the biological indications for antibiotic therapy] Januszkiewicz J. **Pol Tyg Lek** 1984 Mar 5; 39(10):313 **(Pol)**

[Economic aspects of antibiotic use in hospitals (specific aspects)] Januszkiewicz J. **Pol Tyg Lek** 1984 Mar 5; 39(10):319–24 **(Pol)**

[Problems concerning the use of antibiotics] **Przegl Lek** 1983; 40(11):821–6 **(Pol)**

[Various problems of antibiotic interaction] Chruściel TL. **Przegl Lek** 1984;41(3):285–6 **(Pol)**

[What is the role of clinical pharmacology in the present-day selection of antibacterial antibiotics?] Chruściel TL. **Przegl Lek** 1984;41(4):347–50 **(Pol)**

[Can we utilize current bacteriological diagnostic methods for the purpose of drug selection?] Dzierżanowska D. **Przegl Lek** 1984;41(3):287–91 **(Pol)**

[Monitoring of antibacterial therapy] Dzierżanowska D. **Przegl Lek** 1984;41(2):247–51 **(Pol)**

[Treatment of respiratory tract diseases with antibiotics] Rowińska-Zakrzewska E. **Przegl Lek** 1984;41(5):401–4 **(Pol)**

[Antibiotics in neurology] Kotowicz J, et al. **Wiad Lek** 1984 Jan 1;37(1):35–41 (30 ref.) (Eng. Abstr.) **(Pol)**

[Physiopathology and prevention of infections in patients with multiple trauma] Younes RN, et al. **Rev Paul Med** 1983 Mar–Apr;101(2):68–73 **(Por)**

[Sensitivity of some bacterial species isolated from urinary infections to antimicrobial agents] Meitert E, et al. **Rev Ig [Bacteriol]** 1984 Apr–Jun;29(2):145–54 (Eng. Abstr.) **(Rum)**

[Immunotherapy with monovalent Pseudomonas aeruginosa vaccine in chronic bronchopulmonary infections] Popescu C, et al. **Rev Ig [Pneumoftiziol]** 1983 Jul–Sep;32(3):261–72 (Eng. Abstr.) **(Rum)**

[Correlations between candidiasis of the buccal cavity and various drug treatments] Patraş E. **Rev Med Chir Soc Med Nat Iasi** 1983 Oct–Dec; 87(4):609–11 (Eng. Abstr.) **(Rum)**

[Use of antibiotics for the prevention of postoperative suppurative complications in planned surgery] Kuzin MI, et al. **Antibiotiki** 1983 Jul;28(7):535–9 (Eng. Abstr.) **(Rus)**

[Microbiological aspects of the elaboration of effective antibiotic therapy of bacterial lesions of the biliary tract] Sytnik IA. **Antibiotiki** 1984 Feb;29(2):95–9 (Eng. Abstr.) **(Rus)**

[Resistance to antibiotics of Vibrio cholerae and its possible prognostic significance] Ved'mina EA, et al. **Antibiotiki** 1984 Apr;29(4):260–3 (Eng. Abstr.) **(Rus)**

[Use of antibiotics and nitrofurans in treating acute and chronic cholecystitis] Venger IK. **Antibiotiki** 1984 Feb; 29(2):129–32 (Eng. Abstr.) **(Rus)**

[Theoretical substantiation of methods for limiting the circulation of drug-resistant staphylococci] Zueva VS. **Antibiotiki** 1984 Apr;29(4):299–311 (31 ref.) **(Rus)**

[Prevention of postoperative purulent-inflammatory complications in cancer of the colon and rectum] Knysh VI, et al. **Khirurgiia (Mosk)** 1983 Sep;(9):103–6 **(Rus)**

[Atypical forms of osteomyelitis in children] Prokopova LV, et al. **Khirurgiia (Mosk)** 1984 Jan;(1):81–4 (Eng. Abstr.) **(Rus)**

[Chemotherapy of erysipelatous inflammation and other streptococcal infections] Chernomordik AB. **Klin Khir** 1984 Jan;(1):56–8 (Eng. Abstr.) **(Rus)**

[Early effective antibacterial therapy of suppurative processes and purulent complications after surgery] Furmanenko NF, et al. **Klin Khir** 1984 Jan;(1):68–70 (Eng. Abstr.) **(Rus)**

[Use of KL-3 glue in combination with antibiotics in emergency and selective abdominal surgery] Mikuliak RV. **Klin Khir** 1984 Jan;(1):25–7 (Eng. Abstr.) **(Rus)**

[Treatment of burn wounds with microcide in combination with heparin] Tanasienko ID, et al. **Klin Khir** 1984 Mar; (3):40–1 (Eng. Abstr.) **(Rus)**

[Value of laboratory methods for elaboration of rational tactics in antibiotic therapy] Navashin SM, et al. **Lab Delo** 1984;(5):295–9 (Eng. Abstr.) **(Rus)**

[Means and prospects for the experimental study of antibiotics in treating and preventing viral infections] Shneider MA. **Tr Inst Pastera** 1982;58:125–31 **(Rus)**

[Principles of antibiotic therapy in surgical infection] Navashin SM, et al. **Vestn Akad Med Nauk SSSR** 1983; (8):49–57 (Eng. Abstr.) **(Rus)**

[Original Soviet complex of substances cidizol-KV for individual prevention of venereal diseases] Kravchenko VG. **Vestn Dermatol Venerol** 1984 Jun;(6):34–8 (Eng. Abstr.) **(Rus)**

[Preventive use of antibiotics in planned abdominal surgery (review of foreign literature)] Kuzin MI, et al. **Vestn Khir** 1983 Nov;131(11):131–5 (39 ref.) **(Rus)**

[Major trends in the treatment of patients with septic shock] Lytkin MI, et al. **Vestn Khir** 1983 Jul;131(7):3–10 (Eng. Abstr.) **(Rus)**

[Microbial flora of ulcer and its significance in the surgical treatment of the ulcer of the stomach and duodenum] Rychagov GP. **Vestn Khir** 1983 Sep;131(9):36–40 (Eng. Abstr.) **(Rus)**

[Method of intravitreal antibiotic therapy for traumatic endophthalmitis] Nurmamedov NN, et al. **Vestn Oftalmol** 1984 Jul–Aug;(4):37–40 (Eng. Abstr.) **(Rus)**

[Microbial sensitivity to antibiotics and dioxidine in pyoderma and microbial eczema] Artem'ev IuK, et al. **Voen Med Zh** 1983 Dec;(12):64–5 **(Rus)**

[Antibiotics in the therapy of microbial eczema] Shaposhnikov OK, et al. **Voen Med Zh** 1983 Nov;(11):52–3 **(Rus)**

[Antibiotic interaction with surface-active substances (a review of the literature)] Gudz' OV, et al. **Vrach Delo** 1983 Nov;(11):103–8 (50 ref.) **(Rus)**

[The role of antibiotic-resistance of Shigella in the epidemiology of dysentery (literature review)] Popovich GG, et al. **Vrach Delo** 1983 Aug;(8):111–5 (25 ref.) **(Rus)**

[Vasilenkov's paste in the treatment of acute diseases of the pulp] Hillier-Kolarov V. **Med Pregl** 1982;35(11–12):421–4 (Eng. Abstr.) **(Scr)**

[Analysis of resistance transfer in bacterial strains of Escherichia coli and its significance in the antibiotic treatment of newborn infants] Sečkárová A, et al. **Bratisl Lek Listy** 1984 Jan;81(1):49–55 (Eng. Abstr.) **(Slo)**

[Treatment of infectious bronchopulmonary processes] Liñán Cortés S. **An Esp Pediatr** 1983 Sep;19 Suppl 19:6–12 **(Spa)**

[Characteristics of the prescription and dispensation of

antibiotics in the city of Concepcion, Chile] Brieva J, et al. **Bol Of Sanit Panam** 1983 Sep;95(3):261–70 (Eng. Abstr.) **(Spa)**

[Current antimicrobial treatment of brucellosis] Ariza J. **Med Clin (Barc)** 1983 Dec 10;81(19):870–6 (91 ref.) **(Spa)**

[Changing patterns in the use of antibiotics in a general hospital. Comparative study (1978–1982). Based on a policy concerning antibiotics] Gómez J, et al. **Med Clin (Barc)** 1984 Jul 14;83(6):232–5 (Eng. Abstr.) **(Spa)**

[Urinary tract infection. Rules of the Nephrology Branch of the Chilean Society of Pediatrics] **Rev Chil Pediatr** 1983 Mar–Apr;54(2):139–41 **(Spa)**

[Prevention of post-appendectomy infections] Aguilar Luque J, et al. **Rev Esp Enferm Apar Dig** 1983 Aug;64(2):121–5 (Eng. Abstr.) **(Spa)**

[Pyogenic hepatic abscesses treated medically. Report of a case and brief review of the literature] del Real Mora O, et al. **Rev Gastroenterol Mex** 1983 Apr–Jun;48(2):95–7 (Eng. Abstr.) **(Spa)**

[Analysis of the use of antibiotics in a teaching hospital] Wolff M. **Rev Med Chil** 1984 Mar;112(3):218–27 (Eng. Abstr.) **(Spa)**

[Current status of chemoprophylaxis in bacterial diseases] Viviente López E. **Rev Sanid Hig Publica (Madr)** 1983 May–Jun;57(5–6):551–61 (Eng. Abstr.) **(Spa)**

TOXICITY

Comparative ototoxicity of four aminoglycosidic antibiotics during the critical period of cochlear development in the rat. A functional and structural study. Lenoir M, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1983;405:1–16

Gentamicin, netilmicin, dibekacin, and amikacin nephrotoxicity and its relationship to tubular reabsorption in rabbits. Brion N, et al. **Antimicrob Agents Chemother** 1984 Feb;25(2):168–72

Antibacterial effect of the scandium complex of enterochelin. Studies of the mechanism of action. Plaha DS, et al. **Biochim Biophys Acta** 1983 Oct 18;760(2):246–55

A catabolite-resistance mutation is localized in the rpo operon of Bacillus subtilis. Sun DX, et al. **Can J Microbiol** 1984 Apr;30(4):423–9

Tumorigenicity in vivo and induction of mutagenesis and DNA repair in vitro by aclacinomycin A and marcellomycin: structure–activity relationship and predictive value of short-term tests. Westendorf J, et al. **Cancer Res** 1983 Nov;43(11):5248–51

Evaluation of cochlear toxicity of aminoglycoside antibiotics in guinea pigs by scanning electron microscopy. Sato K. **Clin Ther** 1983;5(5):488–94

An edeine resistant mRNA-dependent protein synthesis system from a Saccharomyces cerevisiae mutant. Herrera F, et al. **FEBS Lett** 1984 Aug 20;174(1):47–9

Inhibitory activity of cardiotoxin II of the Indian cobra & certain antibiotics on lysis of bacteria promoted by lysozyme. Shashidharan P, et al. **Indian J Biochem Biophys** 1983 Jun;20(3):132–5

Studies on the mechanism of action of imipenem (N-formimidoylthienamycin) in vitro: binding to the penicillin-binding proteins (PBPs) in Escherichia coli and Pseudomonas aeruginosa, and inhibition of enzyme activities due to the PBPs in E. coli. Hashizume T, et al. **J Antibiot (Tokyo)** 1984 Apr;37(4):394–400

Inhibition of nucleic acid biosynthesis in procaryotic and eucaryotic cells by cyanocycline A. Hayashi T, et al. **J Antibiot (Tokyo)** 1983 Sep;36(9):1228–35

Multiple resistance to aminoglycoside antibiotics in actinomycetes. Hotta K, et al. **J Antibiot (Tokyo)** 1983 Dec; 36(12):1748–54

The myxopyronins, new inhibitors of bacterial RNA synthesis from Myxococcus fulvus (Myxobacterales). Irschik H, et al. **J Antibiot (Tokyo)** 1983 Dec;36(12):1651–8

The 6′-amidine derivatives of amikacin and dibekacin. Iwasawa H, et al. **J Antibiot (Tokyo)** 1984 Apr;37(4):428–30

MIC values do not predict the intraphagocytic killing of Staphylococcus aureus by naphthalenic ansamycins. Marshall VP, et al. **J Antibiot (Tokyo)** 1983 Nov; 36(11):1549–60

Timed bacteriostatic and bactericidal activities of selected antimicrobial agents against Bacteroides fragilis isolated from clinical specimens. Masuda G. **J Antibiot (Tokyo)** 1984 Apr;37(4):401–7

New streptothricin-group antibiotics, AN-201 I and II. Screening, fermentation, isolation, structure and biological activity. Miyashiro S, et al. **J Antibiot (Tokyo)** 1983 Dec; 36(12):1638–43

Cloning of antibiotic-resistance genes in Streptomyces. Murakami T, et al. **J Antibiot (Tokyo)** 1983 Oct; 36(10):1305–11

In vitro synergy of actithiazic acid, an antimetabolite of biotin, combined with cephalexin. Nadkarni SR, et al. **J Antibiot (Tokyo)** 1983 Nov;36(11):1567–8

Resistance to macrolide antibiotics in Staphylococcus aureus susceptible to lincomycin and mikamycin B. Nakajima Y, et al. **J Antibiot (Tokyo)** 1984 Jun;37(6):675–9

The mode of action of a novel 18-membered macrolide, virustomycin A (AM-2604 A), on Trichomonas foetus. Omura S, et al. **J Antibiot (Tokyo)** 1983 Dec;36(12):1755–61

A-16686, a new antibiotic from Actinoplanes. II. Biological properties. Pallanza R, et al. **J Antibiot (Tokyo)** 1984 Apr; 37(4):318–24

Antibacterial activity of palmitoyltuberactinamine N and di-beta-lysylcapreomycin IIA. Yamada T, et al. **J Antibiot (Tokyo)** 1983 Dec;36(12):1729–34

Peplomycin sulfate and pulmonary fibrosis: hydroxyproline, uronic acid, proline hydroxylase and glucosamine 6-phosphate synthetase in lungs of hamsters treated with peplomycin. Yoshida A, et al. **J Antibiot (Tokyo)** 1983 Aug; 36(8):1067–75

Change in the surface hydrophobicity of substrate cells during bdelloplast formation by Bdellovibrio bacteriovorus 109J. Cover WH, et al. **J Bacteriol** 1984 Feb;157(2):391–7

Chinese hamster ovary cells resistant to borrelidin overproduce threonyl-tRNA synthetase. Gerken SC, et al. **J Biol Chem** 1984 Jul 25;259(14):9202–6

Site of action of a ribosomal RNA methylase responsible for resistance to erythromycin and other antibiotics. Skinner R, et al. **J Biol Chem** 1983 Oct 25;258(20):12702–6

The involvement of the proteinase of Streptococcus faecium ATCC 9790 in the stimulation of its autolysin activity by dodecylglycerol. Ved HS, et al. **J Biol Chem** 1984 Jul 10; 259(13):8122–4

Dodecylglycerol. A new type of antibacterial agent which stimulates autolysin activity in Streptococcus faecium ATCC 9790. Ved HS, et al. **J Biol Chem** 1984 Jul 10; 259(13):8115–21

Unraveling aminoglycoside nephrotoxicity using animal models. Porter GA, et al. **J Clin Pharmacol** 1983 Oct; 23(10):445–52

Pathophysiologic mechanisms in aminoglycoside nephrotoxicity. Whelton A, et al. **J Clin Pharmacol** 1983 Oct;23(10):453–60

Effect of aminoglycoside antibiotics on cellular functions of kidney epithelial cell line (LLC-PK1): a model system for aminoglycoside nephrotoxicity. Hori R, et al. **J Pharmacol Exp Ther** 1984 Sep;230(3):724–8

Nephrotoxic effects of aminoglycoside treatment on renal protein reabsorption and accumulation. Cojocel C, et al. **Nephron** 1984;37(2):113–9

Muramyl dipeptide-induced enhancement of phagocytosis of antibiotic pretreated Escherichia coli by macrophages. Friedman H, et al. **Proc Soc Exp Biol Med** 1984 Sep; 176(4):366–70

Increased toxicity of oral antibiotics in sodium-deficient rats. Will PC. **Toxicol Lett** 1983 Sep;18(3):307–13

[Current concepts of the mechanisms of the nephrotoxic action of aminoglycosides and cephalosporins] Krusteva R, et al. **Vutr Boles** 1983;22(3):1–4 (13 ref.) **(Bul)**

[Assessment of drug nephrotoxicity by the excretion of tubule-specific membrane antigens and enzymes] Scherberich JE, et al. **Z Gesamte Inn Med** 1983 Nov 1; 38(21):571–80 (59 ref.) (Eng. Abstr.) **(Ger)**

[Safety evaluation of micronomicin VI. Subacute toxicity in rabbits after drip intravenous infusion] Hara T, et al. **Jpn J Antibiot** 1983 Nov;36(11):3226–38 (Eng. Abstr.) **(Jpn)**

[Safety evaluation of micronomicin VII. Fertility study by intravenous injection in rats] Hara T, et al. **Jpn J Antibiot** 1983 Nov;36(11):3239–42 (Eng. Abstr.) **(Jpn)**

[Safety evaluation of micronomicin V. Subacute toxicity in rats after intravenous injection] Hara T, et al. **Jpn J Antibiot** 1983 Nov;36(11):3208–25 (Eng. Abstr.) **(Jpn)**

[Safety evaluation of micronomicin VIII. Teratogenicity studies in rabbits after intravenous injection] Hara T, et al. **Jpn J Antibiot** 1983 Nov;36(11):3243–9 (Eng. Abstr.) **(Jpn)**

[Safety evaluation of micronomicin IV. Acute toxicity in rats, rabbits and dogs after drip intravenous infusion] Hara T, et al. **Jpn J Antibiot** 1983 Nov;36(11):3204–7 (Eng. Abstr.) **(Jpn)**

[Safety evaluation of micronomicin IX. Perinatal and postnatal study by intravenous injection in rats] Hara T, et al. **Jpn J Antibiot** 1983 Nov;36(11):3250–3 (Eng. Abstr.) **(Jpn)**

[Experimental study on the effect of acetylspiramycin on the fertilized ova] Suzuki S, et al. **Jpn J Antibiot** 1983 Jun; 36(6):1562–8 (Eng. Abstr.) **(Jpn)**

[Electron microscopic evaluation of the renal tubular damage in rats after aminoglycoside administration] Kinura S, et al. **Nippon Hinyokika Gakkai Zasshi** 1984 Feb;75(2):181–96 (Eng. Abstr.) **(Jpn)**

URINE

In vitro effect of new penicillins and aminoglycosides on tests for glycosuria. Parker WA, et al. **Am J Hosp Pharm** 1984 Jan;41(1):125–8

[Control of medication in chemotherapy. Examination of the urine for antibacterial activity] Ansorg R. **Dtsch Med Wochenschr** 1984 Mar 30;109(13):488–91 (Eng. Abstr.) **(Ger)**

[Determination of antibacterial substances in urine using reagent strips] Kaltwasser F, et al. **MMW** 1983 Aug 5; 125(31):694–6 **(Ger)**

ANTIBIOTICS, ANTIFUNGAL

Activity of herbicolin A against Mycoplasma, Acholeplasma, Ureaplasma, and Spiroplasma species. Freundt EA, et al. **Antimicrob Agents Chemother** 1984 Jul;26(1):112–4

Minimal inhibitory concentrations of lucknomycin, a new polyenic derivative, for Candida and Aspergillus spp. Martínez-Quesada J, et al. **Antimicrob Agents Chemother** 1983 Jul;24(1):132–3

Circular dichroism study of the interaction between aromatic heptaene antibiotics and small unilamellar vesicles. Mazerski J, et al. **Biochem Biophys Res Commun** 1983 Oct 31;116(2):520–6

Changes in phospholipid vesicles size induced by amphipathic antibiotics of iturin group. Quentin MJ, et al. **Biochem Int** 1983 Jul;7(1):63–70

Dissociation kinetics and equilibrium binding properties of polyene antibiotic complexes with phosphatidylcholine/sterol vesicles. Witzke NM, et al. **Biochemistry** 1984 Apr 10;23(8):1668–74

Role of carbohydrate in the composition of Aureofungin A & B. Swami MB, et al. **Hindustan Antibiot Bull** 1983 Feb–May;25(1–2):1–5

Action of the antibiotics of the iturin group on artificial membranes. Besson F, et al. **J Antibiot (Tokyo)** 1984 Jun; 37(6):646–51

The structure of candidoin a component of the candidin antibiotic complex. Synak R, et al. **J Antibiot (Tokyo)** 1983 Oct;36(10):1415–7

Free radical damage to polyene antifungal antibiotics: changes in biological activity and thiobarbituric acid reactivity. Gutteridge JM, et al. **J Appl Biochem** 1983 Feb–Apr;5(1–2):53–8

ADMINISTRATION & DOSAGE

[Combined action of polyene antibiotics and biologically active substances on C. albicans] Potyl'chanskaia OL, et al. **Vestn Dermatol Venerol** 1984 Jun;(6):64–7 (Eng. Abstr.) **(Rus)**

ANALYSIS

Mycoversilin, a new antifungal antibiotic. II. Structure elucidation. Samanta AK, et al. **J Antibiot (Tokyo)** 1984 Jul;37(7):733–7

BIOSYNTHESIS

Fractionation of the mycobacillin-synthesizing enzyme system. Ghosh SK, et al. **Biochem J** 1983 Dec 1; 215(3):539–43

A new antifungal antibiotic produced by Streptomyces galbus. Paul AK, et al. **Folia Microbiol (Praha)** 1983; 28(5):386–96

Determination of optimum conditions for antibiotic production by Streptomyces galbus. Paul AK, et al. **Folia Microbiol (Praha)** 1983;28(5):397–405

Cloning and expression of a p-aminobenzoic acid synthetase gene of the candicidin-producing Streptomyces griseus. Gil JA, et al. **Gene** 1983 Nov;25(1):119–32

Antifungal actinomycetes in soils of West Bengal. Paul AK, et al. **Hindustan Antibiot Bull** 1984 Feb–May;26(1–2):18–22

New nikkomycins by mutasynthesis and directed fermentation. Delzer J, et al. **J Antibiot (Tokyo)** 1984 Jan; 37(1):80–2

Biosynthesis of brefeldin A. Introduction of oxygen at the C-7 position. Sunagawa M, et al. **J Antibiot (Tokyo)** 1983 Jan;36(1):25–9

The biosynthesis of brominated pyrrolnitrin derivatives by Pseudomonas aureofaciens. van Pée KH, et al. **J Antibiot (Tokyo)** 1983 Dec;36(12):1735–42

[Biosynthesis of levorin and activity of several enzyme systems of Streptomyces levoris depending on culture conditions] Kuznetsova OS, et al. **Antibiotiki** 1983 Oct; 28(10):734–8 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

Design of anticandidal agents: synthesis and biological properties of analogues of polyoxin L. Shenbagamurthi P, et al. **J Med Chem** 1983 Oct;26(10):1518–22

IMMUNOLOGY

[Various aspects of the immunobiological action of preparation K] Smirnov VV, et al. **Vrach Delo** 1984 Feb; (2):108–11 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Mycoversilin, a new antifungal antibiotic from a mutant derivative of Aspergillus versicolor. Samanta AK, et al. **Indian J Exp Biol** 1983 Oct;21(10):577–8

Fermentation, isolation, characterization and structure of nitrosofungin. Dolak LA, et al. **J Antibiot (Tokyo)** 1983 Nov;36(11):1425–30

Histidinomycin, a new antifungal antibiotic. Ishimaru K, et al. **J Antibiot (Tokyo)** 1983 Dec;36(12):1644–50

OM-173, new nanaomycin-type antibiotics produced by a strain of Streptomyces. Taxonomy, production, isolation and biological properties. Iwai Y, et al. **J Antibiot (Tokyo)** 1983 Oct;36(10):1268–74

Studies on macrocyclic lactone antibiotics. VII. Structure of a phytotoxin 'rhizoxin' produced by Rhizopus chinensis. Iwasaki S, et al. **J Antibiot (Tokyo)** 1984 Apr;37(4):354–62

Oxanthromicin, a novel antibiotic from Actinomadura. Patel M, et al. **J Antibiot (Tokyo)** 1984 Apr;37(4):413–5

Mycoversilin, a new antifungal antibiotic. I. Fermentation, isolation and biological properties. Samanta AK, et al. **J Antibiot (Tokyo)** 1984 Jul;37(7):728–32

Studies on a new nucleoside antibiotic, dapiramicin. I. Producing organism, assay method and fermentation. Shomura T, et al. **J Antibiot (Tokyo)** 1983 Oct;

36(10):1300–4
Metabolic products of microorganisms. 224. Bafilomycins, a new group of macrolide antibiotics. Production, isolation, chemical structure and biological activity. Werner G, et al. **J Antibiot (Tokyo)** 1984 Feb;37(2):110–7
Iturin AL—a new long chain iturin a possessing an unusual high content of C16–beta–amino acids. Winkelmann G, et al. **J Antibiot (Tokyo)** 1983 Nov;36(11):1451–7
Streptomyces maghwi, a new species producing roflamycoin. Afzal M, et al. **Z Allg Mikrobiol** 1983;23(7):411–8

METABOLISM

[Oxidative destruction of the heptaene antibiotic levorin] Severinets LIa, et al. **Antibiotiki** 1983 Jul;28(7):497–502 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Effect of oxafun on the antibiosis between Bacillus subtilis and Phoma betae. Balicka N, et al. **Acta Microbiol Pol** 1983; 32(2):185–9
Inhibitory effect of cerulenin and sodium butyrate on germination of Candida albicans. Hoberg KA, et al. **Antimicrob Agents Chemother** 1983 Sep;24(3):401–8
Anti–Candida activity of polyoxin: example of peptide transport in yeasts. Mehta RJ, et al. **Antimicrob Agents Chemother** 1984 Mar;25(3):373–4
Novel synergism of two antifungal agents, copiamycin and imidazole. Uno J, et al. **Antimicrob Agents Chemother** 1983 Oct;24(4):552–9
Haemolytic activity of aromatic heptaenes. A group of polyene macrolide antifungal antibiotics. Cybulska B, et al. **Biochem Pharmacol** 1984 Jan 1;33(1):41–6
The biochemical action of the azasteroid antibiotics. Parks LW, et al. **Biochem Soc Trans** 1983 Dec;11(6):656
Biological properties of acmycin, a new polyene antibiotic. Chakrabarti S, et al. **Folia Microbiol (Praha)** 1983; 28(4):282–6
Lysis of growing cells of Saccharomyces cerevisiae induced by papulacandin B. Kopecká M. **Folia Microbiol (Praha)** 1984;29(2):115–9
Effect of Hamycin on prostatatic secretion and serum testosterone levels in the rabbit. Naik SR. **Hindustan Antibiot Bull** 1983 Aug–Nov;25(3–4):123–30
Hypocholesterolemic and prostate gland reduction activity of hamycin. Naik SR. **Hindustan Antibiot Bull** 1984 Feb–May;26(1–2):1–8
Action of antifungal peptidolipids from Bacillus subtilis on the cell membrane of Saccharomyces cerevisiae. Besson F, et al. **J Antibiot (Tokyo)** 1984 Feb;37(2):172–7
Effect of cerulenin on macromolecule synthesis in chemoheterotrophically and photoheterotrophically grown Rhodopseudomonas sphaeroides. Shepherd WD, et al. **J Bacteriol** 1983 Dec;156(3):1322–31
An inhibitor of mitochondrial respiration which binds to cytochrome b and displaces quinone from the iron–sulfur protein of the cytochrome bc1 complex. von Jagow G, et al. **J Biol Chem** 1984 May 25;259(10):6318–26
Membrane perturbation by cerulenin modulates glucosyltransferase secretion and acetate uptake by Streptococcus salivarius. Jacques NA. **J Gen Microbiol** 1983 Nov;129 (Pt 11):3293–302
[Effect of decamethoxine, decamine and levorin on the content of cholesterol, phospholipids and triglycerides in albino rat liver] Kovtuniak NA, et al. **Farmakol Toksikol** 1983 Sep–Oct;46(5):72–5 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Symposium on infectious complications of neoplastic disease (Part II). Chemoprophylaxis of fungal infections. Meunier–Carpentier F. **Am J Med** 1984 Apr;76(4):652–6 (26 ref.)
Experimental murine aspergillosis. Comparison of amphotericin B and a new polyene antifungal drug, SCH 28191. Graybill JR, et al. **Am Rev Respir Dis** 1984 Feb; 129(2):292–5
[Antibiotic therapy of fungal infections] Schädelin J. **Ther Umsch** 1984 May;41(5):354–8 (Eng. Abstr.) **(Ger)**
[Cryptococcus neoformans meningoencephalitis] Langberg CW, et al. **Tidsskr Nor Laegeforen** 1984 May 20; 104(14):968–70 (Eng. Abstr.) **(Nor)**
[The production of antimycotic tablets with nystatin–polyvidone] Gafiţanu E, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Jan–Mar;87(1):107–8 **(Rum)**

TOXICITY

A–19, a new antifungal antibiotic. De S, et al. **Indian J Exp Biol** 1983 Jan;21(1):31–3
Isolation and partial characterization of a cerulenin–sensitive mutant of Pseudomonas aeruginosa. Kawahara K, et al. **J Antibiot (Tokyo)** 1983 Oct;36(10):1329–35
Neo–enactins A, B1 and B2, new antifungal antibiotics potentiating polyene antifungal antibiotics. Nishio M, et al. **J Antibiot (Tokyo)** 1983 Oct;36(10):1399–401

ANTIBIOTICS, ANTINEOPLASTIC

Neocarzinostatin abstracts a hydrogen during formation of nucleotide 5'–aldehyde on DNA. Charnas RL, et al. **Biochem Biophys Res Commun** 1984 Jul 31;122(2):642–8
Free radical formation from anthracycline antitumour agents and model systems—I. Model naphthoquinones and anthraquinones. Dodd NJ, et al. **Biochem Pharmacol** 1984 Feb 1;33(3):379–85
3'–(3–Cyano–4–morpholinyl)–3'–deaminoadriamycin: a new anthracycline with intense potency. Johnston JB, et al. **Biochem Pharmacol** 1983 Nov 1;32(21):3255–8
Sequence specificity of heat–labile sites in DNA induced by mitomycin C. Ueda K, et al. **Biochemistry** 1984 Apr 10; 23(8):1634–40
Mechanism of action of didemnin B, a depsipeptide from the sea. Li LH, et al. **Cancer Lett** 1984 Jul;23(3):279–88
Antitumor activity of cell wall from Streptoverticillium cinnamoneum. Okawa Y, et al. **Chem Pharm Bull (Tokyo)** 1984 Feb;32(2):786–90
Specific binding of chartreusin, an antitumor antibiotic, to DNA. Uramoto M, et al. **FEBS Lett** 1983 Mar 21; 153(2):325–8
Terrecyclic acid A, a new antibiotic from Aspergillus terreus. III. 13C NMR spectrum of terrecyclic acid A. Hirota A, et al. **J Antibiot (Tokyo)** 1984 May;37(5):475–8
Safracins, new antitumor antibiotics. II. Physicochemical properties and chemical structures. Ikeda Y, et al. **J Antibiot (Tokyo)** 1983 Oct;36(10):1284–9
Interaction of anthracycline antibiotics with biopolymers. VIII. Binding parameters of aclacinomycin A to DNA. Katenkamp U, et al. **J Antibiot (Tokyo)** 1983 Sep; 36(9):1222–7
Chicamycin, a new antitumor antibiotic. II. Structure determination of chicamycins A and B. Konishi M, et al. **J Antibiot (Tokyo)** 1984 Mar;37(3):200–6
Structure and conformation of saframycin R determined by high field 1H and 13C NMR and its interactions with DNA in solution. Lown JW, et al. **J Antibiot (Tokyo)** 1983 Sep; 36(9):1184–94
Incorporation of 18O2 into thymidine 5'–aldehyde in neocarzinostatin chromophore–damaged DNA. Chin DH, et al. **J Biol Chem** 1984 Aug 25;259(16):9975–8
A revised primary structure for neocarzinostatin based on fast atom bombardment and gas chromatographic–mass spectrometry. Gibson BW, et al. **J Biol Chem** 1984 Sep 10;259(17):10801–6
Structure–activity relationships of sparsomycin and its analogues. Octylsparsomycin: the first analogue more active than sparsomycin. Liskamp RM, et al. **J Med Chem** 1984 Mar;27(3):301–6
Biological activity and a modified synthesis of 8–amino–3–beta–D–ribofuranosyl–1,2,4–triazolo[4,3–a]pyr an isomer of formycin. Schneller SW, et al. **J Med Chem** 1984 Jul;27(7):924–8
Protective effect of biological response modifiers on murine cytomegalovirus infection. Ebihara K, et al. **J Virol** 1984 Jul;51(1):117–22
Nitroaromatic radiation sensitizers substitute for oxygen in neocarzinostatin–induced DNA damage. Kappen LS, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(11):3312–6

ADMINISTRATION & DOSAGE

Totally implantable venous access system for cyclic administration of cytotoxic chemotherapy. Bland KI, et al. **Am J Surg** 1984 Jun;147(6):815–6
Production of a macromomycin (MCR)–monoclonal antibody conjugate and its biological activity. Manabe Y, et al. **Biochem Pharmacol** 1984 Jul 1;33(13):2143–5
Novel mode of cytotoxicity obtained by coupling inactive anthracycline to a polymer. Rogers KE, et al. **Biochem Pharmacol** 1984 Feb 15;33(4):605–8
Experimental and clinical activity of mitomycin C and cis–diamminedichloroplatinum in malignant mesothelioma. Chahinian AP, et al. **Cancer Res** 1984 Apr;44(4):1688–92
Use of oily contrast medium for selective drug targeting to tumor: enhanced therapeutic effect and X–ray image. Iwai K, et al. **Cancer Res** 1984 May;44(5):2115–21
Enhanced lymphatic delivery of mitomycin C conjugated with dextran. Takakura Y, et al. **Cancer Res** 1984 Jun; 44(6):2505–10
Phase II study of weekly low–dose 4'–epi–doxorubicin in advanced postmenopausal breast cancer. Jones WG, et al. **Cancer Treat Rep** 1984 Apr;68(4):675–7
Effect of arterial administration of high–molecular–weight anticancer agent SMANCS with lipid lymphographic agent on hepatoma: a preliminary report. Konno T, et al. **Eur J Cancer Clin Oncol** 1983 Aug;19(8):1053–65
Host–mediated antitumor effect of DMG, a degraded D–manno–D–glucan from Microellobosporia grisea culture fluid. Nakajima H, et al. **Gann** 1984 Mar;75(3):253–9
Protective effect of vitamin E against immunosuppression induced by adriamycin, mitomycin C and 5–fluorouracil in mice. Yasunaga T, et al. **Nippon Geka Hokan** 1983 Sep 1;52(5):591–601
Arterial chemoembolization of hepatocellular carcinoma with mitomycin C microcapsules. Ohnishi K, et al. **Radiology** 1984 Jul;152(1):51–5
[Therapeutic results with aclacinomycin A in recurring acute leukemias] Mitrou PS. **Onkologie** 1983 Aug;6(4):192–4 (Eng. Abstr.) **(Ger)**
[Combined treatment with intra–arterial administration of oily anti–cancer agents and transcatheter arterial embolization—clinical and pathological study on 2 cases with resected small hepatoma] Tokuyama K, et al. **Gan No Rinsho** 1984 Jul;30(8):955–64 (Eng. Abstr.) **(Jpn)**
[Pre–operative endoscopic infusions of an adsorbent containing mitomycin C (MMC–CH44) in stomach cancer] Hagiwara A, et al. **Gan To Kagaku Ryoho** 1983 Dec; 10(12):2558–64 (Eng. Abstr.) **(Jpn)**
[Combination chemotherapy of mitomycin C and cytosine arabinoside in superficial bladder tumors. 1. Evaluation of intravesical infusion therapy] Ikeuchi T, et al. **Gan To Kagaku Ryoho** 1983 Oct;10(10):2145–51 (Eng. Abstr.) **(Jpn)**
[Tumor selective drug delivery with lipid contrast medium (smancs/lipiodol): sustained antitumor effect, enhanced diagnostic value and quantification of dosage regimen] Maeda H, et al. **Gan To Kagaku Ryoho** 1984 Apr; 11(4):814–26 (Eng. Abstr.) **(Jpn)**
[Combination of intra–arterial administration of anticancer agent and hemocarboperfusion in treatment of advanced cancer] Yamagata J, et al. **Gan To Kagaku Ryoho** 1983 Oct;10(10):2139–44 (Eng. Abstr.) **(Jpn)**
[Treatment of prostatic cancer by intramuscular administration and intratumor injection of peplomycin] Fujimoto Y, et al. **Hinyokika Kiyo** 1983 Nov; 29(11):1433–41 (Eng. Abstr.) **(Jpn)**
[Immunopotentiating effect of a chemotherapeutic agent (Neocarzinostatin). Accumulation of macrophages during intrathecal administration] Kuratsu JI, et al. **Neurol Med Chir (Tokyo)** 1983 Nov;23(11):856–9 (Eng. Abstr.) **(Jpn)**
[Arterial administration of high molecular weight antitumor agent, SMANCS dissolved in ethiodol for various malignant solid tumors] Konno T, et al. **Nippon Gan Chiryo Gakkai Shi** 1983 Oct 20;18(7):1845–51 (Eng. Abstr.) **(Jpn)**
[Clinical study on chemo–embolization in malignant urogenital cancer. II. Intra–arterial injection of mitomycin C microcapsules in advanced prostatic cancer] Nemoto R, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Mar; 74(3):390–400 (Eng. Abstr.) **(Jpn)**
[Intracavitary instillation for bladder tumor with antitumor agent. 5th Report: Difference of the action of mitomycin C on normal bladder and tumor of the bladder (experimental and clinical study)] Ogawa H, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Apr;74(4):596–607 (Eng. Abstr.) **(Jpn)**
[MMC–oil suspension (MOS) as a new chemoembolic agent] Kajiya Y, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1984 Apr 25;44(4):624–7 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Radioangiocardiogram monitoring in patients receiving bisantrene. Myers JW, et al. **Am J Clin Oncol** 1984 Apr; 7(2):129–30
Cardiotoxicity of anthracyclines. Green MD, et al. **Eur J Cancer Clin Oncol** 1984 Feb;20(2):293–6
Pepleomycin–induced pneumonitis resulting in death. Watanabe I, et al. **J Maxillofac Surg** 1984 Jun;12(3):114–7
QT interval prolongation associated with anthracycline cardiotoxicity. Bender KS, et al. **J Pediatr** 1984 Sep; 105(3):442–4
Local erythema multiforme–like drug reaction following intravenous mitomycin C and 5–fluorouracil. Spencer HJ. **J Surg Oncol** 1984 May;26(1):47–50
Anthracycline–induced cardiomyopathy in children: a report of six cases. Dearth J, et al. **Med Pediatr Oncol** 1984; 12(1):54–8
Mitomycin C–induced pulmonary and renal toxicities. Loprinzi CL. **Wis Med J** 1984 Mar;83(3):16–7
[Immediate cardiac toxicity of rubidazone. A case reversible by isoproterenol] Larmignat P, et al. **Ann Med Interne (Paris)** 1983;134(7):647–50 (Eng. Abstr.) **(Fre)**
[Cytogenetic examinations in lymphocyte cultures of children treated with cytotoxic agents] Dobos M, et al. **Orv Hetil** 1983 Jul 24;124(30):1791–5 (Eng. Abstr.) **(Hun)**
[Antineoplastic drug–induced pneumonitis–fibrosis] Oizumi K, et al. **Gan No Rinsho** 1984 Jul;30(9 Suppl):1217–24 (Eng. Abstr.) **(Jpn)**
[The injurious effect of granulocytes and mitomycin C added to cultured human vascular endothelium] Murasawa K. **Nippon Geka Hokan** 1983 Nov 1;52(6):818–27 (Eng. Abstr.) **(Jpn)**
[Pulmonary fibrogenetic activities of pepleomycin] Kiuchi H. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Sep; 21(9):823–8 (Eng. Abstr.) **(Jpn)**

ANALYSIS

[Blood and tissue levels of mitomycin C after intravesical instillation] Flüchter SH, et al. **Urol Int** 1983;38(6):321–8 (Eng. Abstr.) **(Ger)**

BIOSYNTHESIS

Prumycin produced by Bacillus cereus. Hamada M, et al. **J Antibiot (Tokyo)** 1983 Jan;36(1):86
Gilvocarcins, new antitumor antibiotics. 5. Biosynthesis of gilvocarcins: incorporation of 13C–labeled compounds into gilvocarcin aglycones. Takahashi K, et al. **J Antibiot (Tokyo)** 1983 Nov;36(11):1531–5
[Formation of an antibiotic of the siomycin group by a Streptomyces corchorusii 1401 culture] Gauze GF, et al. **Antibiotiki** 1983 Sep;28(9):643–7 (Eng. Abstr.) **(Rus)**

BLOOD

Effects of total body irradiation followed by bone marrow transplantation on the disposition kinetics of mitomycin-C in the rat. Buice RG, et al.
Res Commun Chem Pathol Pharmacol 1984 Jun; 44(3):401-10

CHEMICAL SYNTHESIS

The C-nucleoside antibiotics. Buchanan JG.
Fortschr Chem Org Naturst 1983;44:243-99 (176 ref.)
14-esters of 7-O-(3,4-di-O-acetyl-2,6-dideoxy-alpha-L-lyxo-hexopy synthesis and antitumor activity. Horton D, et al.
J Antibiot (Tokyo) 1983 Sep;36(9):1211-5
A total synthesis of chicamycin A a new pyrrolo[1,4]benzodiazepine antitumor agent [letter] Kaneko T, et al. **J Antibiot (Tokyo)** 1984 Mar;37(3):300-2
Chemical modification of ravidomycin and evaluation of biological activities of its derivatives. Rakhit S, et al.
J Antibiot (Tokyo) 1983 Nov;36(11):1490-4
Studies on tomaymycin. III. Synthesis and antitumor activity of tomaymycin analogs. Tozuka Z, et al.
J Antibiot (Tokyo) 1983 Dec;36(12):1699-708
Quinone modified derivatives of cyanonaphthyridinomycin. Zmijewski MJ Jr, et al. **J Antibiot (Tokyo)** 1983 Dec; 36(12):1767-9
Intensely potent morpholinyl anthracyclines. Acton EM, et al. **J Med Chem** 1984 May;27(5):638-45
Pyrazolo[4,3-d]pyrimidine nucleosides. Synthesis and antiviral activity of 1-beta-D-ribofuranosyl-3-methyl-6-substituted-7H-pyra imi din-7-ones. Baraldi PG, et al. **J Med Chem** 1984 Aug; 27(8):986-90
Synthesis and biological evaluation of sparsomycin analogues. Duke SS, et al. **J Med Chem** 1983 Nov; 26(11):1556-61
Mitomycin C analogues with secondary amines at position 7. Iyengar BS, et al. **J Med Chem** 1983 Oct;26(10):1453-7
Mitomycin C analogues with aryl substituents on the 7-amino group. Sami SM, et al. **J Med Chem** 1984 May;27(5):701-8
beta-Lapachone: synthesis of derivatives and activities in tumor models. Schaffner-Sabba K, et al. **J Med Chem** 1984 Aug;27(8):990-4
5-[(Aminoalkyl)amino]-substituted anthra[1,9-cd]pyrazol-6(2H)-ones as novel anticancer agents. Synthesis and biological evaluation. Showalter HD, et al. **J Med Chem** 1984 Mar;27(3):253-5
Benzisoxazolones: antimicrobial and antileukemic activity. Wierenga W, et al. **J Med Chem** 1984 Sep;27(9):1212-5

IMMUNOLOGY

Enzyme immunoassay with high sensitivity and accuracy for specific antibody to neocarzinostatin. Kitagawa T, et al.
J Immunol Methods 1984 Aug 3;72(1):297-303

ISOLATION & PURIFICATION

Safracins, new antitumor antibiotics. I. Producing organism, fermentation and isolation. Ikeda Y, et al.
J Antibiot (Tokyo) 1983 Oct;36(10):1279-83
Akrobomycin, a new anthracycline antibiotic. Imamura K, et al. **J Antibiot (Tokyo)** 1984 Jan;37(1):83-4
Chicamycin, a new antitumor antibiotic. I. Production, isolation and properties. Konishi M, et al.
J Antibiot (Tokyo) 1984 Mar;37(3):191-9
Novel antitumor agents CI-920, PD 113,270 and PD 113,271. II. Isolation and characterization. Stampwala SS, et al.
J Antibiot (Tokyo) 1983 Dec;36(12):1601-5
Novel antitumor agents CI-920, PD 113,270 and PD 113,271. I. Taxonomy, fermentation and biological properties. Tunac JB, et al. **J Antibiot (Tokyo)** 1983 Dec; 36(12):1595-600
Oxazinomycin produced by a Pseudomonas species. Tymiak AA, et al. **J Antibiot (Tokyo)** 1984 Apr;37(4):416-8
A new antitumor antibiotic, kazusamycin. Umezawa I, et al.
J Antibiot (Tokyo) 1984 Jul;37(7):706-11
A new antitumor antibiotic, awamycin. Umezawa I, et al.
J Antibiot (Tokyo) 1983 Sep;36(9):1144-9
A new antitumor antibiotic, dioxolamycin. Zhu B, et al.
J Antibiot (Tokyo) 1984 Jun;37(6):673-4
Application of analytical and semi-preparative high-performance liquid chromatography to anthracyclines and bis-anthracycline derivatives. Scourides PA, et al.
J Chromatogr 1984 Apr 20;288(1):127-36
Isolation and fast purification of neocarzinostatin by FPLC-ion exchange chromatography. Denklau D, et al.
Z Naturforsch [C] 1983 Nov-Dec;38(11-12):939-42
[Isolation and study of the antibiotics produced by a culture of Str. iverini (Gause et al., 1957) Pridham et al., 1958] Frolova VI, et al. **Antibiotiki** 1984 Jan;29(1):7-14 (Eng. Abstr.) **(Rus)**

METABOLISM

Mode of action of calcium antagonists which alter anthracycline resistance. Kessel D, et al.
Biochem Pharmacol 1984 Apr 1;33(7):1157-60
Monophosphates of formycin B and allopurinol riboside. Interactions with leishmanial and mammalian succino-AMP synthetase and GMP reductase. Spector T, et al. **Biochem Pharmacol** 1984 May 15;33(10):1611-7
Pharmacokinetics of mitomycin C in non-oat cell carcinoma of the lung. Buice RG, et al.
Cancer Chemother Pharmacol 1984;13(1):1-4
Sensitive and specific determination of the new anthracycline analog 4'-epidoxorubicin and its metabolites by high pressure liquid chromatography. Deesen PE, et al.
Drug Metab Dispos 1984 Jan-Feb;12(1):9-13
The disposition of the new anthracycline antibiotic, menogarol, in mice. Dodion P, et al.
Drug Metab Dispos 1984 May-Jun;12(3):365-70
Metabolism of 4'-modified analogs of doxorubicin. unique glucuronidation pathway for 4'-epidoxorubicin. Weenen H, et al. **Eur J Cancer Clin Oncol** 1984 Jul;20(7):919-26
Cellular pharmacology of detorubicin and doxorubicin in L1210 cells. Zenebergh A, et al.
Eur J Cancer Clin Oncol 1984 Jan;20(1):115-21
Acivicin: a new glutamine antagonist in clinical trials. O'Dwyer PJ, et al. **J Clin Oncol** 1984 Sep;2(9):1064-71
Effect of adjuvants on the rectal absorption and lymphatic uptake of pepleomycin in rats. Nishihata T, et al.
J Pharmacobiodyn 1984 May;7(5):278-85
Cellular pharmacology of amino acid derivatives of daunorubicin and doxorubicin in suspension of renal proximal tubules. Hjelle JT, et al.
J Pharmacol Exp Ther 1984 May;229(2):372-80
Studies of mitomycin C absorption after intravesical treatment of superficial bladder tumors. Wajsman Z, et al.
J Urol 1984 Jul;132(1):30-3
[Comparative study on the physiological disposition of 3H-indirubin and its derivatives, 3H-79002 and 3H-79005, in animals] Li CL, et al. **Yao Hsueh Hsueh Pao** 1983 May; 18(5):332-8 (Eng. Abstr.) **(Chi)**
[Pharmacokinetics of 57Co-bleomycin A5 in the body of animals with various inoculated tumors] Petriev VM, et al. **Radiobiol Radiother (Berl)** 1983;24(6):769-77 (Eng. Abstr.) **(Ger)**
[Characteristics of 57Co-bleomycetin accumulation in the primary tumor and in its metastases to the lungs in mice with Lewis carcinoma] Vatin OE, et al. **Antibiotiki** 1983 Sep;28(9):686-9 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Importance of the hydrophobic sulfoxide substituent on nontoxic analogs of sparsomycin. Ash RJ, et al.
Antimicrob Agents Chemother 1984 Apr;25(4):443-5
Improved genetically modified Escherichia coli strain for prescreening antineoplastic agents. Bartus HR, et al.
Antimicrob Agents Chemother 1984 May;25(5):622-5
Immunosuppression as a desired pharmacological effect. Dickneite G, et al. **Behring Inst Mitt** 1984 May;(74):250-7
Aclacinomycin inhibits suppressor cells in vivo and in vitro. Orbach-Arbouys S, et al. **Behring Inst Mitt** 1984 May; (74):258-61
Coordinate inhibition of DNA synthesis and thymidylate synthase activity following DNA damage and repair. Boorstein RJ, et al. **Biochem Biophys Res Commun** 1983 Nov 30;117(1):30-6
Deoxynucleoside triphosphate pool of mouse FM3A cell lines unaffected by mutagen treatment. Hyodo M, et al.
Biochem Biophys Res Commun 1984 Aug 16;122(3):1160-5
Comparative cardiac oxygen radical metabolism by anthracycline antibiotics, mitoxantrone, bisantrene, 4'-(9-acridinylamino)-methanesulfon-m-anisidide, and neocarzinostatin. Doroshow JH, et al.
Biochem Pharmacol 1983 Oct 1;32(19):2935-9
Clavines. New antibiotics with cytostatic activity. Eich E, et al. **Biochem Pharmacol** 1984 Feb 15;33(4):523-6
m-AMSA as a probe for transport phenomena associated with anthracycline resistance. Kessel D, et al.
Biochem Pharmacol 1984 Apr 1;33(7):991-3
Formycin B resistance in Leishmania. Rainey P, et al.
Biochem Pharmacol 1984 Apr 15;33(8):1374-7
Deoxyribonucleic acid damage by neocarzinostatin chromophore: strand breaks generated by selective oxidation of C-5' of deoxyribose. Kappen LS, et al.
Biochemistry 1983 Oct 11;22(21):4872-8
Mutagenic and cytotoxic activity of doxorubicin and daunorubicin derivatives on prokaryotic and eukaryotic cells. Babudri N, et al. **Br J Cancer** 1984 Jul;50(1):91-6
Effect of human fibroblast interferon on the antiviral activity of mammalian cells treated with bleomycin, vincristine, or mitomycin C. Suhadolnik RJ, et al. **Cancer Res** 1983 Nov; 43(11):5462-6
Reversal of acquired resistance to vinca alkaloids and anthracycline antibiotics. Tsuruo T. **Cancer Treat Rep** 1983 Oct;67(10):889-94 (15 ref.)
Studies on the biological activities of islandic acid and related compounds. Fujimoto Y, et al.
Chem Pharm Bull (Tokyo) 1984 Apr;32(4):1583-6
Identification of a serum glycoprotein whose content is increased in PSK-treated mice as haptoglobin. Mitsuno T, et al. **Chem Pharm Bull (Tokyo)** 1983 Oct;31(10):3617-24
Modulation of the cytotoxicity of the antitumor antibiotic peplomycin by membrane-interacting drugs and by increased levels of calcium ions. Mizuno S, et al. **Gann** 1983 Oct;74(5):767-76
Immunopotentiation by a new antitumor polysaccharide, DMG, a degraded D-manno-D-glucan from Microellobosporia grisea culture fluid. Nakajima H, et al.
Gann 1984 Mar;75(3):260-8
C-band-like effect produced by mitomycin C on mouse ascites tumour chromosomes in vivo. Pal AK, et al.
Indian J Exp Biol 1984 Jan;22(1):61-2
Studies on the mechanism of action of ravidomycin (AY-25,545). Singh K. **J Antibiot (Tokyo)** 1984 Jan; 37(1):71-3
Isolation, drug sensitivity, and some biochemical and genetical properties of macromomycin-resistant mouse lymphoblastoma L5178Y cells. Suzuki H, et al.
J Antibiot (Tokyo) 1984 May;37(5):602-9
Neplanocin A. A potent inhibitor of S-adenosylhomocysteine hydrolase and of vaccinia virus multiplication in mouse L929 cells. Borchardt RT, et al. **J Biol Chem** 1984 Apr 10;259(7):4353-8
Survival and induction of recA protein in mitomycin C-treated Escherichia coli rec, lex, or uvr strains. Giacomoni PU. **J Biol Chem** 1983 Nov 25;258(22):13653-7
Identification of the uvrD gene product of Escherichia coli as DNA helicase II and its induction by DNA-damaging agents. Kumura K, et al. **J Biol Chem** 1984 Feb 10; 259(3):1560-5
Biochemical genetic analysis of formycin B action in Leishmania donovani. Robinson N, et al. **J Biol Chem** 1984 Jun 25;259(12):7637-43
Increased uptake of thymidine in the activation of sea urchin eggs. III. Effects of aphidicolin. Nishioka D, et al.
J Cell Physiol 1984 Jan;118(1):27-33
Effect of L-alanosine on immune response. Mistrello G, et al. **J Immunopharmacol** 1984;6(1-2):25-41
Wilms' tumour: association with cellular sensitivity to mitomycin C in patients and first-degree relatives. Imray FP, et al. **Lancet** 1984 May 26;1(8387):1148-51
Antitumor anthracyclines: recent developments. Arcamone F. **Med Res Rev** 1984 Apr-Jun;4(2):153-88 (167 ref.)
Formycin B-resistant mutants of Chinese hamster ovary cells: novel genetic and biochemical phenotype affecting adenosine kinase. Mehta KD, et al. **Mol Cell Biol** 1983 Aug;3(8):1468-77
In vitro translational activity of messenger RNA following treatment of human colon carcinoma cells with sangivamycin. Glazer RI, et al. **Mol Pharmacol** 1983 Nov; 24(3):509-12
Aclarubicin (aclacinomycin A) and irradiation: evaluation using HeLa cells. Miyamoto T, et al. **Radiology** 1983 Dec; 149(3):835-9
Activation of antitumor agent gilvocarcins by visible light. Elespuru RK, et al. **Science** 1984 Jan 6;223(4631):69-71
Decrease in saturation density of mammalian carcinoma cell culture during exposure to bestatin, a clinically applicable agent. Okuyama S, et al. **Tohoku J Exp Med** 1984 Mar; 142(3):349-50
[Effects of bleomycin A5 on cell cycle of Chinese hamster ovary cells] Xue SB, et al.
Chung Kuo Yao Li Hsueh Pao 1984 Jun;5(2):112-4 (Eng. Abstr.) **(Chi)**
[Effect of PSK on the recovery of macrophage function in tumor-bearing mice] Ando T, et al.
Gan To Kagaku Ryoho 1984 Apr;11(4):827-34 (Eng. Abstr.) **(Jpn)**
[Influence of PSK on the metabolism of FT-207] Maehara Y, et al. **Gan To Kagaku Ryoho** 1984 Sep;11(9):1843-7 (Eng. Abstr.) **(Jpn)**
[Reversal of acquired resistance to vinca alkaloids and anthracycline antibiotics by calcium channel blockers and calmodulin inhibitors] Tsuruo T. **Gan To Kagaku Ryoho** 1984 Mar;11(3 Pt 2):750-9 (Eng. Abstr.) **(Jpn)**
[Enhancing effect of mitomycin C on hematogenous metastases of ascites hepatoma in rat] Murasawa K.
Nippon Geka Hokan 1983 Sep 1;52(5):670-9 (Eng. Abstr.) **(Jpn)**

RADIATION EFFECTS

Gamma-radiolysis study of the reductive activation of neocarzinostatin by the carboxyl radical. Favaudon V.
Biochimie 1983 Nov-Dec;65(11-12):593-607

THERAPEUTIC USE

Phase II trial of piperazinedione (NSC 135758) in the treatment of advanced or recurrent carcinoma of the ovary. A Gynecologic Oncology Group study. Thigpen JT, et al. **Am J Clin Oncol** 1984 Jun;7(3):261-3
Cytotoxicity of mitomycin C on clonogenic human carcinoma cells is not enhanced by hypoxia. Ludwig CU, et al. **Cancer Chemother Pharmacol** 1984;12(3):146-50
A phase-II clinical trial of 4'-epi-doxorubicin in advanced solid tumors. Martoni A, et al.
Cancer Chemother Pharmacol 1984;12(3):179-82
Anticancer activity of the structurally novel antibiotic CI-920 and its analogues. Leopold WR, et al. **Cancer Res** 1984 May;44(5):1928-32
Phase I-II study of aclarubicin for treatment of acute myeloid leukemia. Machover D, et al. **Cancer Treat Rep** 1984 Jun; 68(6):881-6
Phase II clinical trial with bisantrene in patients with advanced refractory small cell lung cancer. Myers JW, et al. **Cancer Treat Rep** 1984 Jun;68(6):927-8
Bisantrene, an active drug in patients with advanced breast cancer. Osborne CK, et al. **Cancer Treat Rep** 1984 Feb; 68(2):357-60
Antitumor antibiotics and low molecular weight immunomodifiers of microbial origin. Umezawa H.
Cancer Treat Rep 1984 Jan;68(1):137-44
Phase II trial of epirubicin in advanced squamous, adeno- and large cell carcinoma of the lung. Joss RA, et al.

Eur J Cancer Clin Oncol 1984 Apr;20(4):495–9
Leishmania donovani: oral efficacy and toxicity of formycin B in the infected hamster. Berman JD, et al. Exp Parasitol 1983 Oct;56(2):215–21
Effect of bestatin on syngeneic tumors in mice. Abe F, et al. Gann 1984 Jan;75(1):89–94
Phase I trial of aclacinomycin–A. A clinical and pharmacokinetic study. Karanes C, et al. Invest New Drugs 1983;1(2):173–9
Phase II trial of bisantrene in patients with intermediate and high grade diffuse non–Hodgkin's lymphomas. Miller TP, et al. Invest New Drugs 1984;2(1):75–7
The treatment of acute leukemia with continuous infusion L–Alanosine. Weick JK, et al. Invest New Drugs 1983; 1(3):249–51
Antitumor activity of kijanimicin. Bradner WT, et al. J Antibiot (Tokyo) 1983 Aug;36(8):1078–9
Phase–II clinical trial of 4'–epi–doxorubicin in metastatic solid tumors. Kolarić K, et al. J Cancer Res Clin Oncol 1983;106(2):148–52
Neocarzinostatin versus m–AMSA or doxorubicin in hepatocellular carcinoma. Falkson G, et al. J Clin Oncol 1984 Jun;2(6):581–4
Structure–activity relationships of sparsomycin and its analogues. Octylsparsomycin: the first analogue more active than sparsomycin. Liskamp RM, et al. J Med Chem 1984 Mar;27(3):301–6
Antitumor activity of lipophilic prodrugs of mitomycin C entrapped in liposome or O/W emulsion. Sasaki H, et al. J Pharmacobiodyn 1984 Feb;7(2):120–30
Progress in indirubin treatment of chronic myelocytic leukemia. Ma MZ, et al. J Tradit Chin Med 1983 Sep; 3(3):245–8 (20 ref.)
Mitomycin C reused: an in vitro cost–effectiveness study. Carroll PR, et al. J Urol 1984 Sep;132(3):583–6
Long–term mitomycin C instillation after transurethral resection of superficial bladder carcinoma: influence on recurrence, progression and survival. Huland H, et al. J Urol 1984 Jul;132(1):27–9
Phase II evaluation of 4'epi–doxorubicin in patients with metastatic colorectal carcinoma. Ferrazzi E, et al. Tumori 1984 Jun 30;70(3):297–300
[Our initial experience with mitomycin C in anticancer chemotherapy] Andrysek O. Cas Lek Cesk 1983 Jul 1; 122(26):813–8 (Eng. Abstr.) (Cze)
[The treatment of cancer by anthracyclines (editorial)] Brenner J, et al. Harefuah 1983 Mar 1;104(5):205–7 (Heb)
[Therapeutic activity of epirubicin in malignant melanoma and non–Hodgkin's lymphoma] Lopez M, et al. Clin Ter 1984 Apr 15;109(1):31–5 (Eng. Abstr.) (Ita)
[Stage P–1 primary neoplasia of the bladder. Critical evaluation of results obtained with the use of adriamycin and mitomycin C in the prevention of recurrences] Liberti M, et al. Minerva Med 1984 Feb 28;75(8):391–4 (Eng. Abstr.) (Ita)
[Phase I–II study of 7–N–(P–hydroxyphenyl)–mitomycin C (KW2083, M83)] Meguro S, et al. Gan To Kagaku Ryoho 1984 Sep;11(9):1818–22 (Eng. Abstr.) (Jpn)
[A phase I trial of 4'–epiadriamycin] Ogawa M, et al. Gan To Kagaku Ryoho 1984 Apr;11(4):926–9 (Eng. Abstr.) (Jpn)
[Estimation of drug effects and prediction of clinical states of acute leukemia] Takekawa A, et al. Iyodenshi To Seitai Kogaku 1984 Feb;22(1):7–12 (Eng. Abstr.) (Jpn)
[Antitumor effect of bestatin combined with bleomycin against hepatoma AH 66 subcutaneously transplanted in rats] Abe F, et al. Jpn J Antibiot 1984 Apr;37(4):589–92 (Eng. Abstr.) (Jpn)
[Biological effect of bestatin against rat ascites hepatomas and enhancement of interferon production] Satoh H. Jpn J Antibiot 1984 Apr;37(4):593–6 (Eng. Abstr.) (Jpn)
[Clinical evaluation of bestatin (NK–421) supplementing radiotherapy in the treatment of lung cancer] Hamada F, et al. Nippon Gan Chiryo Gakkai Shi 1983 Aug 20; 18(5):1175–80 (Eng. Abstr.) (Jpn)
[Therapeutic effect of peplomycin in cervical cancer, with special reference to pathohistological studies] Noda K, et al. Nippon Gan Chiryo Gakkai Shi 1983 Oct 20; 18(7):1921–31 (Eng. Abstr.) (Jpn)
[Experimental combination chemo–radiotherapy on human breast carcinoma (MX–1) transplanted into nude mice] Tsuyuki K. Nippon Geka Gakkai Zasshi 1984 May; 85(5):421–32 (Eng. Abstr.) (Jpn)
[Use of bleomycetin in malignant testicular tumors and the problem of studying bleomycin analogs] Lichinitser MR, et al. Antibiotiki 1984 Jun;29(6):468–73 (Eng. Abstr.) (Rus)
[Belomycetin in the combined chemotherapy of testicular tumors] Manziuk LV, et al. Antibiotiki 1983 Aug; 28(8):632–4 (Eng. Abstr.) (Rus)
[Potentiation by blastolysin of the effect of cyclophosphamide in preventing recurrence in mouse T–cell leukemia] Chertkova AI, et al. Biull Eksp Biol Med 1984 Jul; 97(7):57–9 (Eng. Abstr.) (Rus)

TOXICITY

Single cell cloning of Leishmania parasites in purine–defined medium: isolation of drug–resistant variants. Iovannisci DM, et al. Adv Exp Med Biol 1984;165 Pt A:239–43
Toxicity of the Alternaria metabolites alternariol, alternariol methyl ether, altenuene, and tenuazonic acid in the chicken embryo assay. Griffin GF, et al. Appl Environ Microbiol 1983 Dec;46(6):1420–2
Enhancement of the sensitivity of human colon cancer cells to growth inhibition by acivicin achieved through inhibition of nucleic acid precursor salvage by dipyridamole. Fischer PH, et al. Cancer Res 1984 Aug; 44(8):3355–9
Neocarzinostatin–mediated DNA damage and repair in wild–type and repair–deficient Chinese hamster ovary cells. Kuo WL, et al. Cancer Res 1984 May;44(5):1748–51
Inhibition of glycoprotein biosynthesis by the inducers of HL–60 cell differentiation, aclacinomycin A and marcellomycin. Morin MJ, et al. Cancer Res 1984 Jul; 44(7):2807–12
Induction and repair of DNA cross–links in chinese hamster ovary cells treated with various platinum coordination compounds in relation to platinum binding to DNA, cytotoxicity, mutagenicity, and antitumor activity. Plooy AC, et al. Cancer Res 1984 May;44(5):2043–51
Experimental pharmacology of auromomycin in L1210 tumor cells in vitro and in vivo. Samy TS, et al. Cancer Res 1984 Aug;44(8):3202–7
Lethal effect of bleomycin and peplomycin on HeLa cells in multicell tumor spheroids. Sasaki T, et al. Cancer Res 1984 Apr;44(4):1374–9
Light, fluorescent, and electron microscopic analysis of cultured breast tumor cells (T–47D) treated with 9,10–anthracenedicarboxaldehyde bis[(4,5–dihydro–1H–imidazol–2–yl)hydrazone] dihydrochloride. Tseng MT, et al. Cancer Res 1983 Dec; 43(12 Pt 1):5910–4
Activation of tumor–cytostatic macrophages with the antitumor agent 9,10–anthracenedicarboxaldehyde bis[(4,5–dihydro–1H–imidazole–2–yl)hydrazone] dihydrochloride (bisantrene). Wang BS, et al. Cancer Res 1984 Jun;44(6):2363–7
Anaphase–telophase analysis of chromosomal damage induced by chemicals. Dulout FN, et al. Environ Mutagen 1984;6(3):299–310
Comparison of methods for detecting mitomycin C– and ethyl nitrosourea–induced germ cell damage in mice: sperm enzyme activities, sperm motility, and testis weight. Ficsor G, et al. Environ Mutagen 1984;6(3):287–98
Two types of lethal damage induced by pepleomycin in cultured Chinese hamster V79 cells. Saito T, et al. Gann 1984 Feb;75(2):143–50
Effect of oxygen concentration on pulmonary fibrosis caused by peplomycin in mice. Ekimoto H, et al. J Antibiot (Tokyo) 1984 Jun;37(6):659–63
Antitumor activity of trioxacarcin C. Fujimoto K, et al. J Antibiot (Tokyo) 1983 Sep;36(9):1216–21
Safracins, new antitumor antibiotics. III. Biological activity. Ikeda Y, et al. J Antibiot (Tokyo) 1983 Oct;36(10):1290–4
Preliminary toxicity studies with the DNA–binding antibiotic, CC–1065. McGovren JP, et al. J Antibiot (Tokyo) 1984 Jan;37(1):63–70
New streptothricin–group antibiotics, AN–201 I and II. Screening, fermentation, isolation, structure and biological activity. Miyashiro S, et al. J Antibiot (Tokyo) 1983 Dec; 36(12):1638–43
The genetic activity of anthramycin, tomaymycin and sibiromycin in bacterial forward– and reverse–mutation assays and in the mouse bone–marrow micronucleus test. Gairola C, et al. J Appl Toxicol 1983 Dec;3(6):317–20
Amplification of the UMP synthase gene and enzyme overproduction in pyrazofurin–resistant rat hepatoma cells. Molecular cloning of a cDNA for UMP synthase. Kanalas JJ, et al. J Biol Chem 1984 Feb 10;259(3):1848–53
Cytotoxicity and sister chromatid exchanges induced in vitro by six anticancer drugs developed in the People's Republic of China. Huang CC, et al. JNCI 1983 Oct;71(4):841–7
Toxicological studies on bestatin. II. Subacute toxicity test and recovery study in beagle dogs. Ito K, et al. Jpn J Antibiot 1983 Nov;36(11):2985–3052
Toxicological studies on bestatin. III. Chronic toxicity test and recovery study in beagle dogs. Ito K, et al. Jpn J Antibiot 1983 Nov;36(11):3053–193
Toxicological studies on bestatin. I. Acute toxicity test in mice, rats and dogs. Sakakibara T, et al. Jpn J Antibiot 1983 Nov;36(11):2971–84
Toxicological studies on bestatin. IV. Studies on antigenicity, ocular mucosal irritation and mutagenicity. Sakakibara T, et al. Jpn J Antibiot 1983 Nov;36(11):3194–203
Mutagenicity of neocarzinostatin in Neurospora crassa. DeGraff WG. Mutat Res 1984 Sep;128(2):127–35
Influence of various mitogens on the yield of sister–chromatid exchanges, induced by chemicals, in human lymphocytes. Deknudt G, et al. Mutat Res 1983 Oct;111(2):161–70
Morphological and cytogenetic studies of dominant lethality induced by mitomycin C and cyclophosphamide in female germ cells. The use of Robertsonian translocations as a 'marker system' to identify the zygote pronuclei. Jacquet P, et al. Mutat Res 1984 Sep;128(2):181–94
Effect of L–ethionine on spontaneous and MMC–induced SCEs in G0 and G1 human lymphocytes under liquid–holding recovery conditions. Perticone P, et al. Mutat Res 1984 Sep;128(2):153–9
Dominant lethal mutations induced by MMS and mitomycin C in the fish Oryzias latipes. Shimada A, et al. Mutat Res 1984 Feb;125(2):221–7
Expression of the SOS response following simultaneous treatment with methyl–nitrosoguanidine and mitomycin C in Escherichia coli. Vericat JA, et al. Mutat Res 1984 Jul–Aug;132(1–2):15–20
Carcinogenicity of bleomycin sulfate and peplomycin sulfate after repeated subcutaneous application to rats. Habs M, et al. Oncology 1984;41(2):114–9
Potentiating effects of methylxanthines on teratogenicity of mitomycin C in mice. Nakatsuka T, et al. Teratology 1983 Oct;28(2):243–7
Acute treatment with pyrrolo(1,4)benzodiazepine antitumor antibiotics alters in vitro hepatic drug metabolizing activity in rats. Atkinson JE, et al. Toxicol Lett 1983 Sep; 18(3):337–42

URINE

Continuous extraction of urinary anthracycline antitumor antibiotics with the horizontal flow–through coil planet centrifuge. Nakazawa H, et al. J Chromatogr 1984 May 11;307(2):323–33

ANTIBIOTICS, ANTITUBERCULAR

PHARMACODYNAMICS

Tuberculostatic effect in vitro of certain new antibiotics (amikin, dalacin C, clindamycin, netromycin, tobramycin, lincomycin) on mycobacteria, particularly on M. avium. Sula L, et al. Czech Med 1984;7(2):122–8
[Electron microscopic observations on the ultrastructure of tubercle bacilli after isobutyl piperazine rifamycin treatment] Mei GH. Chung Hua I Hsueh Tsa Chih 1983 Dec;63(12):734–6 (Eng. Abstr.) (Chi)

THERAPEUTIC USE

[Drug therapy of tuberculosis in 1983] Chaulet P. Bull Int Union Tuberc 1983 Mar;58(1):26–36 (Fre)
[Expectations for newly developed antitubercular agents—antitubercular activity of 27753RP] Toyohara M. Kekkaku 1983 Sep;58(9):504–7 (Jpn)

ANTIBIOTICS, BETA–LACTAM see ANTIBIOTICS, LACTAM

ANTIBIOTICS, LACTAM

Conformational flexibility of the methyltetrazolethiomethyl side chain of beta–lactam antibiotics. A computer graphics study. Boyd DB. J Antibiot (Tokyo) 1984 Mar;37(3):227–34
Chemical and spectroscopic characterization of monobactams. Cooper R. J Antibiot (Tokyo) 1983 Oct; 36(10):1258–62
Quaternary heterocyclylamino beta–lactams. V. L–640,876 treatment of induced enterotoxigenic colibacillosis (scours) in calves and piglets. Jacks TM, et al. J Antibiot (Tokyo) 1983 Jan;36(1):70–5
Mechanism of action of the new orally active cephalosporin FK027. Shigi Y, et al. J Antibiot (Tokyo) 1984 Jul; 37(7):790–6

ADMINISTRATION & DOSAGE

Review of single– and multiple–dose pharmacokinetics of the monobactam, aztreonam (SQ 26,776) in healthy subjects. Swabb EA, et al. Chemotherapy 1983;2 (5):313–21
Combination therapy with beta–lactam antibiotics [editorial] Lode H. J Antimicrob Chemother 1983 Sep;12(3):200–3

ADVERSE EFFECTS

Toxic and adverse reactions encountered with new beta–lactam antibiotics. Parry MF. Bull NY Acad Med 1984 May;60(4):358–68
Neutropenia associated with beta–lactam antibiotics. Kirkwood CF, et al. Clin Pharm 1983 Nov–Dec; 2(6):569–78
Thrombocytosis: an acute–phase reactant, not an adverse reaction to the new beta–lactam antibiotics. Parry MF, et al. Diagn Microbiol Infect Dis 1984 Jun;2(3):229–31
Coagulation abnormalities induced by beta–lactam antibiotics in cancer patients. Fainstein V, et al. J Infect Dis 1983 Oct;148(4):745–50
[Hemorrhagic syndrome from acquired platelet disorders. Role of beta–lactams] Fogliani J, et al. Agressologie 1983 Dec;24(12):615–6 (Eng. Abstr.) (Fre)

ANALYSIS

A problem in the interpretation of beta–lactam antibiotic levels in tissues. Ryan DM, et al. J Antimicrob Chemother 1983 Sep;12(3):281–4
Sodium content of injectable beta–lactam antibiotics. Baron DN, et al. Lancet 1984 May 19;1(8386):1113–4

ANTAGONISTS & INHIBITORS

Antagonism by chloramphenicol of broad–spectrum beta–lactam antibiotics against Klebsiella pneumoniae. Brown TH, et al. Antimicrob Agents Chemother 1984 Apr; 25(4):405–7
Antagonism between cefoxitin and other beta–lactams: a new perspective [letter] Fromtling RA, et al. J Antimicrob Chemother 1983 Oct;12(4):411–2
[Significance of beta lactamase on polymicrobial urinary tract

infection and in-vitro microbiological studies] Kanematsu M. **Nippon Hinyokika Gakkai Zasshi** 1983 Jul;74(7):1140–60 (Eng. Abstr.) **(Jpn)**

[Effect of the cell wall permeability of Klebsiella spp. on beta-lactam antibiotic resistance] Prokopenko VM, et al. **Antibiotiki** 1983 Dec;28(12):902–4 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Repression of beta-lactam production in Cephalosporium acremonium by nitrogen sources. Shen YQ, et al. **J Antibiot (Tokyo)** 1984 May;37(5):503–11

beta-lactam antibiotic production by Streptomyces clavuligerus mutants impaired in regulation of aspartokinase. Mendelovitz S, et al. **J Gen Microbiol** 1983 Jul;129 (Pt 7):2063–9

[Screening of beta-lactamase inhibitors among representatives of the genus Micromonospora and the genus Streptoverticillium] Bibikova MV, et al. **Antibiotiki** 1983 Sep;28(9):665–71 (Eng. Abstr.) **(Rus)**

BLOOD

Pharmacology of aztreonam after intravenous infusion. Scully BE, et al. **Antimicrob Agents Chemother** 1983 Jul; 24(1):18–22

[Effect of storage time at -20 degrees C on the determination of serum concentrations of tobramycin in the presence of 6 beta-lactams] Forey F, et al. **Pathol Biol (Paris)** 1983 May;31(5):404–12 (Eng. Abstr.) **(Fre)**

[Focus and value of the assay of 5 beta-lactams using high-performance liquid chromatography] Jehl F, et al. **Pathol Biol (Paris)** 1983 May;31(5):370–4 (Eng. Abstr.) **(Fre)**

CHEMICAL SYNTHESIS

Comparative biological properties of some synthetic olivanic acid analogues. Basker MJ, et al. **J Antibiot (Tokyo)** 1983 Oct;36(10):1357–71

Synthesis of sulfazecin-type 2-azetidinones with a carbon substituent at the 4-position. Kishimoto S, et al. **J Antibiot (Tokyo)** 1983 Oct;36(10):1421–4

Syntheses and biological activities of new carbapenem derivatives. Shiozaki M, et al. **J Antibiot (Tokyo)** 1984 Jan; 37(1):57–62

Synthesis and biological evaluation of a 4-fluoromethyl monobactam analog. Skotnicki JS, et al. **J Antibiot (Tokyo)** 1983 Sep;36(9):1201–4

[Synthesis of 3-amino-3-methyl-2-azetidinone-1-sulfonic acid and its derivatives] Hirose T, et al. **Yakugaku Zasshi** 1983 Nov;103(11):1210–4 (Eng. Abstr.) **(Jpn)**

[Desulfurization of 7-aminodeacetoxycephalosporanic acid] Hirose T, et al. **Yakugaku Zasshi** 1984 Mar;104(3):302–7 (Eng. Abstr.) **(Jpn)**

CLASSIFICATION

[Classification of beta-lactams] Bryskier A. **Pathol Biol (Paris)** 1984 Jun;32(5 Pt 2):658–67 (Eng. Abstr.) **(Fre)**

[Beta-lactams: present status and perspectives] Pechère JC. **Presse Med** 1984 Jun 9;13(24):1485–9 **(Fre)**

IMMUNOLOGY

Immunology of the monobactam aztreonam. Adkinson NF Jr, et al. **Antimicrob Agents Chemother** 1984 Jan;25(1):93–7

Neutropenia due to beta lactamine antibodies [letter] Murphy MF, et al. **Br Med J [Clin Res]** 1984 Mar 10;288(6419):795

Lack of cross-reactivity between aztreonam , a monobactam antibiotic, and penicillin in penicillin-allergic subjects. Saxon A, et al. **J Infect Dis** 1984 Jan;149(1):16–22

ISOLATION & PURIFICATION

Two new monobactam antibiotics produced by a Flexibacter sp. I. Taxonomy, fermentation, isolation and biological properties. Cooper R, et al. **J Antibiot (Tokyo)** 1983 Oct; 36(10):1252–7

SQ 28,332, a new monobactam produced by a Flexibacter sp. Taxonomy, fermentation, isolation, structure determination and biological properties. Singh PD, et al. **J Antibiot (Tokyo)** 1983 Oct;36(10):1245–51

METABOLISM

Synergy between acylureidopenicillins and immunoglobulin G in experimental animals. Dalhoff A. **Am J Med** 1984 Mar 30;76(3A):91–100

Pharmacokinetics of aztreonam in rabbit eyes. Barza M, et al. **Antimicrob Agents Chemother** 1983 Oct;24(4):468–73

Aztreonam concentrations in human prostatic tissue. Madsen PO, et al. **Antimicrob Agents Chemother** 1984 Jul;26(1):20–1

Biliary excretion of aztreonam in patients with biliary tract disease. Martinez OV, et al. **Antimicrob Agents Chemother** 1984 Mar;25(3):358–61

Pharmacokinetics of aztreonam in patients with various degrees of renal dysfunction. Mihindu JC, et al. **Antimicrob Agents Chemother** 1983 Aug;24(2):252–61

Pharmacokinetics and therapeutic efficacy of imipenem, ceftazidime, and ceftriaxone in experimental meningitis due to an ampicillin- and chloramphenicol-resistant strain of Haemophilus influenzae type b. Sakata Y, et al. **Antimicrob Agents Chemother** 1984 Jan;25(1):29–32

Metabolism and pharmacokinetics of aztreonam in healthy subjects. Swabb EA, et al. **Antimicrob Agents Chemother** 1983 Sep;24(3):394–400

Penicillin acylase from the hybrid strains Escherichia coli 5K(pHM12): enzyme formation and hydrolysis of beta-lactam antibiotics with whole cells. Schömer U, et al. **Appl Environ Microbiol** 1984 Feb;47(2):307–12

Beta-lactamase stability of cefoxitin in comparison with other beta-lactam compounds. Neu HC. **Diagn Microbiol Infect Dis** 1983 Dec;1(4):313–6

Labelling and cross-linking of Escherichia coli penicillin-binding proteins with bis-beta-lactam antibiotics. Rodríguez-Tébar A, et al. **Eur J Biochem** 1984 Mar 1; 139(2):287–93

The interaction of nocardicin A with the penicillin-binding proteins of Bacillus megaterium KM. Todd JA, et al. **Eur J Biochem** 1983 Nov 15;136(3):545–51

Labelling of penicillin-binding proteins from Escherichia coli with photoreactive derivatives of beta-lactam antibiotics. Arán V, et al. **FEBS Lett** 1983 Mar 21;153(2):431–7

The influence of beta-lactamases on minimal inhibitory concentrations. Wiedemann B, et al. **Infection** 1983;11 Suppl 2:S71–3

Enzymatic acylation of monobactams. O'Sullivan J, et al. **J Antibiot (Tokyo)** 1984 Jul;37(7):804–6

Binding of 125I-labeled beta-lactam antibiotics to the penicillin binding proteins of Escherichia coli. Rojo F, et al. **J Antibiot (Tokyo)** 1984 Apr;37(4):389–93

Influence of beta-lactamase-producing strains of Branhamella catarrhalis and Haemophilus influenzae on certain beta-lactam antibiotics. Johnsson J, et al. **J Antimicrob Chemother** 1983 Sep;12(3):269–71

3-Dimensional susceptibility testing of beta-lactam antibiotics. Thomson KS, et al. **J Antimicrob Chemother** 1984 Jan;13(1):45–54

Protein binding of beta-lactams: the effects on activity and pharmacology particularly tissue penetration. I. Wise R. **J Antimicrob Chemother** 1983 Jul;12(1):1–18

Protein binding of beta-lactams: the effects on activity and pharmacology particularly tissue penetration. II. Studies in man. Wise R. **J Antimicrob Chemother** 1983 Aug; 12(2):105–18

Pharmacokinetic interaction of aztreonam with other antibiotics. Creasey WA, et al. **J Clin Pharmacol** 1984 Apr; 24(4):174–80

Dependence of beta-lactamase stability on substructures within beta-lactam antibiotics. Cimarusti CM. **J Med Chem** 1984 Mar;27(3):247–53

Physiologically based pharmacokinetic model for beta-lactam antibiotics I: Tissue distribution and elimination in rats. Tsuji A, et al. **J Pharm Sci** 1983 Nov; 72(11):1239–52

Prediction of aztreonam pharmacokinetics in humans based on data from animals. Swabb EA, et al. **J Pharmacokinet Biopharm** 1983 Jun;11(3):215–23

Microbiology: proteins that bind the beta-lactam antibiotics [news] Coulson AF. **Nature** 1984 Jun 21-27;309(5970):668

Investigations on beta-lactamase stability of recently developed beta-lactam compounds: study of enzyme kinetics. Cullmann W, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 May; 254(3):413–22

[Intraocular penetration of ceftriaxone in man. Comparison with other beta-lactamins] Adenis JP, et al. **J Fr Ophtalmol** 1984;7(2):137–41 (Eng. Abstr.) **(Fre)**

[Bronchial diffusion of new anti-pseudomonal beta-lactams. Clinical significance] Bergogne-Berezin E, et al. **Pathol Biol (Paris)** 1984 May;32(5):421–5 (Eng. Abstr.) **(Fre)**

[In vitro activity of beta-lactam antibiotics and their sensitivity to beta-lactamase] Esposito S, et al. **Boll Soc Ital Biol Sper** 1983 Nov 30;59(11):1674–7 (Eng. Abstr.) **(Ita)**

[Sensitivity of 5 beta-lactam antibiotics to beta-lactamase isolated from E. coli and its respective transconjugates] Galante D, et al. **Boll Soc Ital Biol Sper** 1983 Nov 30; 59(11):1678–82 (Eng. Abstr.) **(Ita)**

[Transplacental passage of antibiotics] Bergogne-Bérézin E, et al. **Clin Ter** 1983 Jun 30;105(6):455–64 (Eng. Abstr.) **(Ita)**

[Penicillinase from B. licheniformis. Determination of the ionization constants of the enzymatic hydrolysis products of beta-lactam antibiotics] Satarova DE, et al. **Antibiotiki** 1984 Jan;29(1):14–9 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

In vitro susceptibility of group G streptococci with regard to tolerance [letter] Rolston KV, et al. **Am J Med** 1984 Jul;77(1):A72, A77

Effect of aztreonam on the growth of Pasteurella multocida in the lung. Collins FM. **Am J Vet Res** 1984 May; 45(5):972–5

In vivo and in vitro emergence of simultaneous resistance to both beta-lactam and aminoglycoside antibiotics in a strain of Serratia marcescens. Goldstein FW, et al. **Ann Microbiol (Paris)** 1983 May-Jun;134(3):329–37

Synergistic antibacterial activity between L-norvalyl-L-1-aminoethylphosphonic acid and nocardicin A. Angehrn P, et al. **Antimicrob Agents Chemother** 1984 May;25(5):607–11

Resistance of Pseudomonas aeruginosa mutants with altered control of chromosomal beta-lactamase to piperacillin, ceftazidime, and cefsulodin. Bryan LE, et al. **Antimicrob Agents Chemother** 1984 Mar;25(3):382–4

In vitro activity of aztreonam in combination with newer beta-lactams and amikacin against multiply resistant gram-negative bacilli. Buesing MA, et al. **Antimicrob Agents Chemother** 1984 Feb;25(2):283–5

In vitro activity of enoxacin, a quinolone carboxylic acid, compared with those of norfloxacin, new beta-lactams, aminoglycosides, and trimethoprim. Chin NX, et al. **Antimicrob Agents Chemother** 1983 Nov;24(5):754–63

Inoculum effect of new beta-lactam antibiotics on Pseudomonas aeruginosa. Eng RH, et al. **Antimicrob Agents Chemother** 1984 Jul;26(1):42–7

Multiply resistant viridans streptococci: susceptibility to beta-lactam antibiotics and comparison of penicillin-binding protein patterns. Farber BF, et al. **Antimicrob Agents Chemother** 1983 Nov;24(5):702–5

In vitro activities of new beta-lactam antibiotics against Acinetobacter spp. Garcia I, et al. **Antimicrob Agents Chemother** 1983 Aug;24(2):297–9

In vitro synergistic activities of aminoglycosides and new beta-lactams against multiresistant Pseudomonas aeruginosa. Giamarellou H, et al. **Antimicrob Agents Chemother** 1984 Apr;25(4):534–6

Effect of clavulanic acid on the activities of ten beta-lactam agents against members of the Bacteroides fragilis group. Lamothe F, et al. **Antimicrob Agents Chemother** 1984 May; 25(5):662–5

In vitro activity and beta-lactamase stability of a monobactam, SQ 26,917, compared with those of aztreonam and other agents. Neu HC, et al. **Antimicrob Agents Chemother** 1983 Aug;24(2):227–32

Mechanism of resistance of an ampicillin-resistant, beta-lactamase-negative clinical isolate of Haemophilus influenzae type b to beta-lactam antibiotics. Parr TR Jr, et al. **Antimicrob Agents Chemother** 1984 Jun;25(6):747–53

Comparative activities of aztreonam and cefotaxime against Escherichia coli and Bacteroides spp. in pure and mixed cultures. Soriano F, et al. **Antimicrob Agents Chemother** 1984 Jul;26(1):39–41

Activities of aztreonam and new cephalosporins against infrequently isolated gram-negative bacilli. Strandberg DA, et al. **Antimicrob Agents Chemother** 1983 Aug; 24(2):283–6

In vitro antimicrobial activity of aztreonam alone and in combination against bacterial isolates from pediatric patients. Stutman HR, et al. **Antimicrob Agents Chemother** 1984 Feb;25(2):212–5

Effect of temocillin in combination with other beta-lactam antibiotics. Verbist L, et al. **Antimicrob Agents Chemother** 1984 Jan;25(1):142–4

Comparison of in vitro activity of FCE 22101, a new penem, with those of other beta-lactam antibiotics. Wise R, et al. **Antimicrob Agents Chemother** 1983 Dec;24(6):909–14

Novel carbapenem derivative SF2103A: studies on the mode of beta-lactamase inactivation. Yamaguchi A, et al. **Antimicrob Agents Chemother** 1984 Mar;25(3):348–53

Bactericidal activities of new beta-lactam antibiotics against Bacteroides fragilis. Yu PK, et al. **Antimicrob Agents Chemother** 1983 Jul;24(1):1–4

Disc sensitivity of gonococci to rosoxacin, tetracycline and beta-lactam antibiotics. Mason PR, et al. **Cent Afr J Med** 1983 Nov;29(11):216–7

Susceptibility of 324 nonfermentative gram-negative rods to 6 cephalosporins and azthreonam. Appelbaum PC, et al. **Chemotherapy** 1983;29(5):337–44

Susceptibility of intestinal anaerobes to new beta-lactam antibiotics. Bansal MB, et al. **Chemotherapy** 1984; 30(4):237–43

Azthreonam activity against gram-negative bacilli. Bremner DA. **Chemotherapy** 1984;30(1):44–8

Activity of cefsulodin, other beta-lactams, and aminoglycosides against Pseudomonas aeruginosa. Chandrasekar PH, et al. **Chemotherapy** 1984;30(3):165–9

Comparison of in vitro activities of eight new beta-lactam compounds against cephalothin-resistant Enterobacteriaceae from hospital patients. Costopoulos C, et al. **Chemotherapy** 1984;30(3):158–64

Influence of spontaneous and inducible beta-lactamase production on the antimicrobial activity of recently developed beta-lactam compounds. Cullmann W, et al. **Chemotherapy** 1984;30(3):175–81

Pseudomonas aeruginosa and Acinetobacter calcoaceticus: in vitro susceptibility of 150 clinical isolates to five beta-lactam antibiotics and tobramycin. Dibb WL, et al. **Chemotherapy** 1983;29(5):332–6

The activity of ceftazidime, other beta-lactams, and aminoglycosides against Pseudomonas aeruginosa. Rolston KV, et al. **Chemotherapy** 1984;30(1):31–4

A novel method for determination of beta-lactamase using the agar dilution method. Tsuji H. **Chemotherapy** 1983; 29(6):401–7

Conformation and activity of beta-lactam antibiotics. Rao VS, et al. **CRC Crit Rev Biochem** 1983;14(3):173–206 (110 ref.)

Activity of beta-lactamase inhibitors in combination with new beta-lactam antibiotics against resistant gram-negative organisms. Bolivar R, et al. **Diagn Microbiol Infect Dis** 1984 Jun;2(3):255–60

Minimal inhibitory concentrations of broad spectrum beta-lactam antibiotics for bacterial control strains. Fass RJ, et al. **Diagn Microbiol Infect Dis** 1983 Mar;1(1):85–8

Antimicrobial susceptibility testing (AST): a review of changing trends, quality control guidelines, test accuracy, and recommendation for the testing of beta-lactam drugs. Jones RN. **Diagn Microbiol Infect Dis** 1983 Mar;1(1):1–24 (65 ref.)

Antimicrobial activity, beta-lactamase stability and beta-lactamase inhibition of cefotetan and other 7-alpha-methoxy beta-lactam antimicrobials. Jones RN, et al. **Diagn Microbiol Infect Dis** 1983 Mar;1(1):71–83

In vitro activity of newer beta-lactam agents in combination with amikacin against Pseudomonas aeruginosa, Klebsiella pneumoniae, and Serratia marcescens. Meyer RD, et al. **Diagn Microbiol Infect Dis** 1983 Dec;1(4):287–93

Comparative study of the ability of four aminoglycoside assay techniques to detect the inactivation of aminoglycosides by beta-lactam antibiotics. Pfaller MA, et al. **Diagn Microbiol Infect Dis** 1984 Apr;2(2):93–100

The in vitro antimicrobial activity of desacetylcefotaxime compared to other related beta-lactams. Schrinner E, et al. **Diagn Microbiol Infect Dis** 1984 Jun;2(3 Suppl):13S–20S

Effect of ten new beta-lactam antibiotics on urine glucose test methods. LeBel M, et al. **Drug Intell Clin Pharm** 1984 Jul-Aug;18(7–8):617–20

Lack of interference of five new beta-lactam antibiotics with serum creatinine determination. LeBel M, et al. **Drug Intell Clin Pharm** 1983 Dec;17(12):908–10

In vitro susceptibility of Eikenella corrodens to thirteen beta-lactam antibiotics and fosfomycin [letter] Schröter G, et al. **Eur J Clin Microbiol** 1983 Dec;2(6):608–9

In vitro and in vivo evaluation of the penem FCE 22101 and its orally absorbed ester FCE 22891. Bruna CD, et al. **G Ital Chemioter** 1983 May-Dec;30(2–3):125–30

Quaternary heterocyclylamino beta-lactams. IV. Comparison of the in vivo antibacterial activities of L-640,876, mecillinam, cefoxitin and cefotaxime. Celozzi E, et al. **J Antibiot (Tokyo)** 1983 Jan;36(1):64–9

Quaternary heterocyclylamino beta-lactams. III. The mode of action of L-640,876 and the effect of NaCl on membrane permeability and binding. Koupal LR, et al. **J Antibiot (Tokyo)** 1983 Jan;36(1):54–63

Quaternary heterocyclylamino beta-lactams. II. The in vitro antibacterial properties of L-640,876, a new type of beta-lactam antibiotic. Koupal LR, et al. **J Antibiot (Tokyo)** 1983 Jan;36(1):47–53

Structure-activity relations of 5,6-cis carbapenem antibiotics and role of factors determining susceptibility of Escherichia coli to beta-lactam antibiotics. Nozaki Y, et al. **J Antibiot (Tokyo)** 1984 Mar;37(3):218–26

Release of lipoteichoic acid from Staphylococcus aureus by treatment with cefmetazole and other beta-lactam antibiotics. Utsui Y, et al. **J Antibiot (Tokyo)** 1983 Oct; 36(10):1380–o

In-vitro activity of aztreonam in combination with four other antibiotics against gram-negative bacilli and Staphylococcus aureus [letter] Ampel NM, et al. **J Antimicrob Chemother** 1984 Apr;13(4):398–9

Clavulanic acid in combination with ticarcillin: an in-vitro comparison with other beta-lactams. Clarke AM, et al. **J Antimicrob Chemother** 1984 Feb;13(2):121–8

The permeability barrier of Haemophilus influenzae type b against beta-lactam antibiotics. Coulton JW, et al. **J Antimicrob Chemother** 1983 Nov;12(5):435–49

In-vitro activity of azlocillin and other beta-lactam antibiotics against enterococci. Grimm H. **J Antimicrob Chemother** 1983 May;11 Suppl B:43–9

Reduced sensitivity to beta-lactam antibiotics arising during ceftazidime treatment of Pseudomonas aeruginosa infections. King A, et al. **J Antimicrob Chemother** 1983 Oct;12(4):363–70

Susceptibility of penicillin-resistant pneumococci to eighteen antimicrobials: implications for treatment of meningitis. Tweardy DJ, et al. **J Antimicrob Chemother** 1983 Aug; 12(2):133–9

Measurement of levels of aminoglycosides and vancomycin in serum in the presence of new beta-lactam antibiotics. Calderwood SB, et al. **J Clin Microbiol** 1984 May; 19(5):707–9

Penicillin-binding proteins and the future of beta-lactam antibiotics. The Seventh Fleming Lecture. Spratt BG. **J Gen Microbiol** 1983 May;129 (Pt 5):1247–60 (55 ref.)

Resistance of Clostridium perfringens to beta-lactam antibiotics mediated by a decreased affinity of a single essential penicillin-binding protein. Williamson R. **J Gen Microbiol** 1983 Aug;129 (Pt 8):2339–42

Endocarditis due to methicillin-resistant Staphylococcus aureus in rabbits: expression of resistance to beta-lactam antibiotics in vivo and in vitro. Chambers HF, et al. **J Infect Dis** 1984 Jun;149(6):894–903

Antibacterial activity of beta-lactam antibiotics in experimental meningitis due to Streptococcus pneumoniae. Täuber MG, et al. **J Infect Dis** 1984 Apr;149(4):568–74

The morphological response of Pseudomonas aeruginosa to aztreonam, cefoperazone, ceftazidime and N-formimidoyl thienamycin. Elliott TS, et al. **J Med Microbiol** 1984 Apr; 17(2):159–69

Mechanisms of beta-lactam resistance in British isolates of Pseudomonas aeruginosa. Williams RJ, et al. **J Med Microbiol** 1984 Jun;17(3):283–93

Failure of beta-lactam antibiotics to eradicate Chlamydia trachomatis in the endometrium despite apparent clinical cure of acute salpingitis. Sweet RL, et al. **JAMA** 1983 Nov 18;250(19):2641–5

Salt dependent beta-lactam antibiotic susceptibility of Vibrio parahaemolyticus. Arai T, et al. **Kitasato Arch Exp Med** 1983 Sep;56(3):89–97

Monocylic beta-lactam antibiotics. Cimarusti CM, et al. **Med Res Rev** 1984 Jan-Mar;4(1):1–24 (42 ref.)

Antibacterial activity of aztreonam: a synthetic monobactam. A comparative study with thirteen other antibiotics. Paradelis AG, et al. **Methods Find Exp Clin Pharmacol** 1983 Jul-Aug;5(6):375–83

Azthreonam: in vitro activity. Gobernado M, et al. **Microbiol Esp** 1983 Jul-Dec;36(3–4):123–32

Epidemiology and susceptibility of resistant Bacteroides fragilis group organisms to new beta-lactam antibiotics. Heseltine PN, et al. **Rev Infect Dis** 1984 Mar-Apr;6 Suppl 1:S254–9

Emergence of resistance during therapy with the newer beta-lactam antibiotics: role of inducible beta-lactamases and implications for the future. Sanders CC, et al. **Rev Infect Dis** 1983 Jul-Aug;5(4):639–48 (83 ref.)

[Influence of the inoculum effect on the MIC and MBC of 5 beta-lactams against Pseudomonas aeruginosa] Croize J, et al. **Pathol Biol (Paris)** 1984 May;32(5):412–4 (Eng. Abstr.) **(Fre)**

[Application of a millipore membrane transfer method to the study of the activity of 4 beta-lactams on Pseudomonas aeruginosa] Denis C, et al. **Pathol Biol (Paris)** 1984 May; 32(5):415–20 (Eng. Abstr.) **(Fre)**

[Enterobacter cloacae. In vivo emergence of a variant resistant to new beta-lactams during treatment with lamoxactam-gentamicin] Jarlier V, et al. **Pathol Biol (Paris)** 1984 May;32(5):399–403 (Eng. Abstr.) **(Fre)**

[Cefotaxime, moxalactam and ceftriaxone: comparison of in vitro activity against hospital strains of Enterobacteriaceae belonging to the 4 principal phenotypes of sensitivity to beta-lactams] Jarlier V, et al. **Pathol Biol (Paris)** 1983 May; 31(5):336–42 (Eng. Abstr.) **(Fre)**

[In vitro comparative activity of 4 beta-lactams against Pseudomonas aeruginosa. Role of cefoperazone] Joly-Guillou ML, et al. **Pathol Biol (Paris)** 1984 May; 32(5):408–11 (Eng. Abstr.) **(Fre)**

[Comparative in vitro activity of 6 recent beta-lactams against hospital strains of Acinetobacter calcoaceticus: role of the monobactam SQ 26,776] Joly-Guillou ML, et al. **Pathol Biol (Paris)** 1983 May;31(5):392–5 (Eng. Abstr.) **(Fre)**

[Comparative in vitro activity of 5 beta-lactams (cefoperazone, cefsulodin, ceftazidime, azthreonam, N-formimidoyl-thienamycin) on 90 strains of Pseudomonas aeruginosa with various levels of resistance to ticarcillin] Le Noc P, et al. **Pathol Biol (Paris)** 1984 May;32(5):404–7 (Eng. Abstr.) **(Fre)**

[Pseudomonas aeruginosa: acquired in vitro resistance to beta-lactams] Thabaut A, et al. **Pathol Biol (Paris)** 1983 May;31(5):387–91 (Eng. Abstr.) **(Fre)**

[Comparative activity of azlocillin on Pseudomonas species excluding Pseudomonas aeruginosa] Monteil H, et al. **Presse Med** 1984 Mar 29;13(13):780–4 (Eng. Abstr.) **(Fre)**

[Comparative effect of beta-lactam activity on Pseudomonas aeruginosa as a function of resistance phenotypes] Thabaut A, et al. **Presse Med** 1984 Mar 29;13(13):768–71 (Eng. Abstr.) **(Fre)**

[Mechanism of action of beta-lactam antibiotics and problems concerning the development of resistance in antibacterial chemotherapy] Semenitz E. **Wien Klin Wochenschr [Suppl]** 1983;142:7–11 (Eng. Abstr.) **(Ger)**

[Comparative study of the activities of beta lactamase inhibitors by nuclear magnetic resonance spectrometry] O'hara K, et al. **Jpn J Antibiot** 1983 Oct;36(10):2763–8 (Eng. Abstr.) **(Jpn)**

[Combination action of sisomicin, dibekacin and cefotetan, cefotaxime, latamoxef, and cefsulodin against Escherichia coli, Serratia marcescens, and Pseudomonas aeruginosa] Saito M, et al. **Jpn J Antibiot** 1983 Oct;36(10):2833–43 (Eng. Abstr.) **(Jpn)**

[Actions of beta-lactam antibiotics against Pseudomonas aeruginosa: their effects on penicillin-binding proteins and on bactericidal activity of macrophages] Nakamuta S. **Nippon Hinyokika Gakkai Zasshi** 1983 Dec;74(12):2031–42 (Eng. Abstr.) **(Jpn)**

[Future development of antibiotics. 1. beta-Lactam antibiotics] Sawai T. **Nippon Rinsho** 1984 Mar;42(3):524–30 **(Jpn)**

[Bacterial tolerant to antibiotics with action on the wall] Timoşca S, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Jan-Mar;87(1):21–4 **(Rum)**

[In vitro activity of azthreonam (SQ 26.776) against Gram-negative bacteria] Landínez RJ, et al. **Med Clin (Barc)** 1984 Jan 28;82(3):106–9 (Eng. Abstr.) **(Spa)**

[Azthreonam stability against Enterobacteriaceae beta-lactamases] Roy C, et al. **Med Clin (Barc)** 1984 Feb 4;82(4):145–8 (Eng. Abstr.) **(Spa)**

[Bacterial resistance to beta-lactam antibiotics (editorial)] Roy C. **Med Clin (Barc)** 1983 Sep 17;81(7):299–301 **(Spa)**

THERAPEUTIC USE

Hemophilus influenzae type b meningitis in infant rabbits. Pathogenesis and therapy. San Joaquin VH, et al. **Am J Dis Child** 1984 May;138(5):455–8

Efficacy of aztreonam in treatment of experimental syphilis in rabbits. Lukehart SA, et al. **Antimicrob Agents Chemother** 1984 Mar;25(3):390–1

Comparison of azlocillin, ceftizoxime, cefoxitin, and amikacin alone and in combination against Pseudomonas aeruginosa in a neutropenic-site rabbit model. Peterson LR, et al. **Antimicrob Agents Chemother** 1984 May;25(5):545–52

Evaluation of Sch 29,482 in the eradication of Neisseria meningitidis from nasopharyngeal carriers. Pugsley MP, et al. **Antimicrob Agents Chemother** 1984 Apr;25(4):494–6

Evaluation of aztreonam in experimental bacterial meningitis and cerebritis. Scheld WM, et al. **Antimicrob Agents Chemother** 1983 Nov;24(5):682–8

Combinations of beta lactam antibiotics [editorial] Pedler SJ, et al. **Br Med J [Clin Res]** 1984 Apr 7;288(6423):1022–4

The role of the newer beta-lactam antibiotics in the treatment of infection in compromised hosts. Greene WH. **Bull NY Acad Med** 1984 May;60(4):426–38 (34 ref.)

A perspective on new beta-lactam antibiotics in pediatric patients. Nelson JD. **Bull NY Acad Med** 1984 May; 60(4):374–9 (32 ref.)

Multiresistant Serratia marcescens peritonitis in a patient on continuous ambulatory peritoneal dialysis (CAPD) successfully treated with Azthreonam (S26,776) a new monobactam antibiotic [letter] Hortling L, et al. **Clin Nephrol** 1984 Jun;21(6):355

Role of aminoglycosides in face of introduction of new beta-lactam antibiotics in treatment of nosocomial infection. McGowan JE Jr, et al. **Infect Control** 1983 Nov-Dec;4(6):440–3

Relevance of in vitro antibacterial activities and pharmacokinetic properties of antipseudomonal beta-lactam antibiotics to their therapeutic effects on urinary tract infection caused by Pseudomonas aeruginosa P 9 in mice. Nakao M, et al. **J Antibiot (Tokyo)** 1984 Mar; 37(3):275–84

Therapeutic activity of ceftazidime and eleven other beta-lactam antibiotics against experimental Haemophilus influenzae, type b meningitis. McColm AA, et al. **J Antimicrob Chemother** 1984 May;13(5):517–20

Treatment of a Salmonella carrier with aztreonam [letter] Righter J, et al. **J Antimicrob Chemother** 1984 Apr;13(4):403

Combination therapy with beta-lactam antibiotics [letter] Shah PM. **J Antimicrob Chemother** 1984 Apr;13(4):402–3

Broad spectrum beta-lactam combinations--a new principle of antibacterial treatment. Stille W. **J Antimicrob Chemother** 1983 May;11 Suppl B:149–51

Studies of in vitro synergy between several beta-lactam and aminoglycoside antibiotics against endocarditis strains of Pseudomonas aeruginosa. Reyes MP, et al. **J Infect** 1984 Mar;8(2):110–7

Effectiveness of aztreonam, a new monobactam antibiotic, against penicillin-resistant gonococci. Miller LK, et al. **J Infect Dis** 1983 Sep;148(3):612

Single versus combination antibiotic therapy for pneumonia due to Pseudomonas aeruginosa in neutropenic guinea pigs. Rusnak MG, et al. **J Infect Dis** 1984 Jun;149(6):980–5

Recent developments in antimicrobial therapy with beta-lactam antibiotics. Beam TR Jr. **J Med** 1983; 14(4):307–36 (15 ref.)

Aztreonam compared with gentamicin for treatment of serious urinary tract infections. Sattler FR, et al. **Lancet** 1984 Jun 16;1(8390):1315–8

Comparative study of aztreonam and cefamandole in the treatment of serious urinary tract infections. Tsouroutsoglou W, et al. **Methods Find Exp Clin Pharmacol** 1983 Jul-Aug; 5(6):385–90

[Clinical evaluation of azthreonam in severe urinary tract infections] Guibert J, et al. **Pathol Biol (Paris)** 1984 May; 32(5):446–9 (Eng. Abstr.) **(Fre)**

[Introduction to the colloquium on 18 June 1982: New beta-lactam antibiotics and their clinical value] Spitzy KH. **Wien Klin Wochenschr [Suppl]** 1983;142:3 **(Ger)**

[Study with azthreonam in patients with acute gonococcal urethritis] Negosanti M, et al. **G Ital Dermatol Venereol** 1983 Mar-Apr;118(2):XXXI–XXXIII (Eng. Abstr.) **(Ita)**

[Future of antibiotic therapy in various fields of medicine. 3. Gynecology and obstetric] Takase Z. **Nippon Rinsho** 1984 Mar;42(3):587–97 **(Jpn)**

[Progress in chemotherapy: beta-lactam antibiotics] Jeljaszewicz J, et al. **Pol Tyg Lek** 1983 Dec 19–26; 38(51–52):1669–73 **(Pol)**

[Beta-lactamase inhibitors and their possible therapeutic significance] Fomina IP, et al. **Antibiotiki** 1984 Feb; 29(2):142–8 (36 ref.) **(Rus)**

ANTIBODIES

see related
ANTIGEN-ANTIBODY REACTIONS

Present status of the immunology of gangliosides. Rapport MM, et al. **Adv Exp Med Biol** 1984;174:15–25

Use of anti-basement membrane antibodies to distinguish blood vessel capillaries from lymphatic capillaries. Barsky SH, et al. **Am J Surg Pathol** 1983 Oct;7(7):667–77

Immobilization of antibodies and enzyme-labeled antibodies by radiation polymerization. Kumakura M, et al. **Appl Biochem Biotechnol** 1983 Apr;8(2):87–96

Specific polyclonal antibodies to the carboxyl terminus of [Met]enkephalin-Arg6-Gly7-Leu8. Lahm HW, et al.

Arch Biochem Biophys 1983 Sep;225(2):422–9

Fine specificity of antibodies to the synthetic polypeptide poly(L–tyrosine, L–glutamic acid)–poly(DL–alanine)—poly(L–lysine) and its ordered analogs as followed by solid–phase radioimmunoassay. Parhami–Seren B, et al. **Arch Biochem Biophys** 1983 Sep; 225(2):446–50

In vitro stimulation of T–cell rosette formation by antiserum to thymus factor in Hodgkin's disease. Zółtowska A, et al. **Arch Immunol Ther Exp (Warsz)** 1984;32(1):51–7

Antibodies against highly purified B–subunit of the chick oviduct progesterone receptor. Tuohimaa P, et al. **Biochem Biophys Res Commun** 1984 Mar 15;119(2):433–9

Antibody–nucleic acid complexes. Antigenic domains within nucleosides as defined by solid–phase immunoassay. Munns TW, et al. **Biochemistry** 1984 Jun 19;23(13):2958–64

Inhibition of the O2– –generating NADPH oxidase of guinea–pig polymorphonuclear leukocytes by rabbit antibody to homologous liver NADPH–cytochrome c (P–450) reductase. Takayama H, et al. **Biochim Biophys Acta** 1984 Jun 15;799(2):151–7

Potentiation of the antibody induced platelet aggregation in vitro. Elendt D, et al. **Biomed Biochim Acta** 1984; 43(1):131–4

Electroimmunoassay. A new competitive protein–binding assay using antibody–sensitive electrodes. Connell GR, et al. **Biophys J** 1983 Oct;44(1):123–6

Specific and nonspecific macromolecule–drug conjugates for the improvement of cancer chemotherapy. Hurwitz E. **Biopolymers** 1983 Jan;22(1):557–67

Effect of antiplatelet antibody on the development of pulmonary metastases following injection of CT26 colon adenocarcinoma, Lewis lung carcinoma, and B16 amelanotic melanoma tumor cells into mice. Pearlstein E, et al. **Cancer Res** 1984 Sep;44(9):3884–7

Antibodies to dehistonized chromatin of normal and fetal rat liver. Kilianska Z, et al. **Cell Differ** 1983 Nov; 13(3):225–31

Antibody interference with biochemical tests and its clinical significance. Pudek MR, et al. **Clin Biochem** 1983 Oct; 16(5):275–80 (80 ref.)

Comparison of the EMIT phenytoin procedure with old and new antibodies [letter] McClellan AC, et al. **Clin Chem** 1984 May;30(5):808–9

Immobilization of antibody to a plastic surface by toluene 2,4–diisocyanate and its application to radioimmunoassay. Saito T, et al. **Clin Chim Acta** 1983 Oct 14;133(3):301–10

Development of a simple procedure for the preparation of semipermeable antibody–containing microcapsules and their analytical performance in a radioimmunoassay for 17–hydroxyprogesterone. Wallace AM, et al. **Clin Chim Acta** 1984 Jul 16;140(2):203–12

Gamma scintigraphy using Tc–99m labeled antibody to human chorionic gonadotropin. Morrison RT, et al. **Clin Nucl Med** 1984 Jan;9(1):20–4

Antibody to mannose 6–phosphate specific receptor induces receptor deficiency in human fibroblasts. von Figura K, et al. **EMBO J** 1984 Jun;3(6):1281–6

Differential biological activities between mono– and bivalent fragments of anti–prolactin receptor antibodies. Dusanter–Fourt I, et al. **Endocrinology** 1984 Mar; 114(3):1021–7

Antibodies to growth hormone–releasing factor inhibit somatic growth. Wehrenberg WB, et al. **Endocrinology** 1984 Sep;115(3):1218–20

Evidence for a structural relationship between apoB75kDa and human plasma apolipoprotein B 100, from translation of human liver mRNA in vitro and immunochemical studies with monoclonal and polyclonal antibodies. Boström K, et al. **Eur J Biochem** 1984 Aug 15;143(1):101–7

A synthetic hapten for induction of thymine–dimer–specific antibodies. Klocker H, et al. **Eur J Biochem** 1984 Jul 16; 142(2):313–6

Frequency of lambda light chain subtypes in mouse antibodies to the 2,4–dinitrophenyl (DNP) group. Liu T, et al. **Eur J Immunol** 1984 Jul;14(7):667–72

Association of ganglioside–protein conjugates into cell and Sendai virus. Requirement for the HN subunit in viral fusion. Heath TD, et al. **Exp Cell Res** 1983 Nov; 149(1):163–75

Flow–cytometric analysis of mixed cell populations using intermediate filament antibodies. Ramaekers FC, et al. **Exp Cell Res** 1984 Jul;153(1):249–53

The effect of specific antibodies on oxygen uptake and H+ pumping by cytochrome c oxidase vesicles. Chan SH, et al. **FEBS Lett** 1983 Oct 17;162(2):344–8

Antibody against globular domain of H10 histone. Yasuda H, et al. **FEBS Lett** 1984 Jan 30;166(2):263–6

Monoclonal and anti–idiotypic antibodies as probes for receptor structure and function. Venter JC, et al. **Fed Proc** 1984 Jul;43(10):2532–9

131–iodine conjugated antibody cell kill enhanced by bromodeoxyuridine. Morstyn G, et al. **Int J Radiat Oncol Biol Phys** 1984 Aug;10(8):1437–40

Specificity and kinetics defining the interaction between a murine monoclonal autoantibody and DNA. Ballard DW, et al. **J Biol Chem** 1984 Mar 25;259(6):3492–8

Analysis of yeast RNA polymerases with subunit–specific antibodies. Bréant B, et al. **J Biol Chem** 1983 Oct 10; 258(19):11968–73

Antibodies against human chorionic gonadotropin convert the deglycosylated hormone from an antagonist to an agonist. Rebois RV, et al. **J Biol Chem** 1984 Jul 10; 259(13):8087–90

Complement C1q binding affects spin–labeled heterosaccharides of rabbit antibodies in immune but not artificial immunoglobulin G aggregates. Winkelhake JL, et al. **J Biol Chem** 1984 Feb 25;259(4):2171–8

Immunoprecipitation of nonerythrocyte spectrin within live cells following microinjection of specific antibodies: relation to cytoskeletal structures. Mangeat PH, et al. **J Cell Biol** 1984 Apr;98(4):1363–77

A rapid procedure for preparing fluorescein–labeled specific antibodies from whole antiserum: its use in analyzing cytoskeletal architecture. Talian JC, et al. **J Cell Biol** 1983 Oct;97(4):1277–82

An antibody that inhibits fibronectin–independent adhesion of fibroblasts to extracellular matrix material. Kelleher PJ, et al. **J Cell Physiol** 1984 Sep;120(3):329–34

Immobilisation of antibodies and antigens on macro solid phases—a comparison between adsorptive and covalent binding. A critical study of macro solid phases for use in immunoassay systems. Part I. Wood WG, et al. **J Clin Chem Clin Biochem** 1983 Dec;21(12):789–97

DNA–anti–DNA immune complexes. Antibody protection of a discrete DNA fragment from DNase digestion in vitro. Emlen W, et al. **J Clin Invest** 1984 Jul;74(1):185–90

Antibody structure. Cohen S. **J Clin Pathol [Suppl] (Ass Clin Path)** 1975;6:1–7

Unlabeled antibody methods in electron microscopy: a comparison of single and multistep procedures using colloidal gold. Gosselin EJ, et al. **J Histochem Cytochem** 1984 Aug;32(8):799–804

Preembedding labeling with biotinylated antibodies and subsequent visualization of the biotin groups exposed on thin sections. Nir I, et al. **J Histochem Cytochem** 1984 Jun; 32(6):643–8

Antibodies to dopamine: radioimmunological study of specificity in relation to immunocytochemistry. Geffard M, et al. **J Neurochem** 1984 Jun;42(6):1593–9

Analysis of radioimmunodetection of tumors by the subtraction technique. Green AJ, et al. **J Nucl Med** 1984 Jan;25(1):96–100

Factors influencing DTPA conjugation with antibodies by cyclic DTPA anhydride. Paik CH, et al. **J Nucl Med** 1983 Dec;24(12):1158–63

Covalent binding of antibodies to liposomes using a novel lipid derivative. Goundalkar A, et al. **J Pharm Pharmacol** 1984 Jul;36(7):465–6

Improvement of specificity of anti–testosterone and anti–5 alpha–dihydrotestosterone rabbit antibodies by immunotolerance techniques. Dupret J, et al. **J Steroid Biochem** 1984 Jun;20(6A):1345–52

Characterization of antibodies against oestrone–azo–protein conjugates using 3H and 125I radioligands. Fránek M, et al. **J Steroid Biochem** 1983 Sep;19(3):1363–70

Characteristics of antibodies against 17 beta–oestradiol in homologous and heterologous systems of radioimmunoassay. Fránek M, et al. **J Steroid Biochem** 1983 Sep;19(3):1371–4

Production of polyclonal and monoclonal antibodies to calmodulin and utilization of these immunological probes. Chafouleas JG, et al. **Methods Enzymol** 1983;102:104–10

Preparation and use of specific antibodies for immunohistochemistry of neuropeptides. Jennes L, et al. **Methods Enzymol** 1983;103:448–59

Preparation and use of antibodies against insoluble membrane proteins. Suissa M, et al. **Methods Enzymol** 1983;97:305–11

Correlation between segmental flexibility and effector function of antibodies. Oi VT, et al. **Nature** 1984 Jan 12–18; 307(5947):136–40

Inhibition of transcription in somatic cells by microinjection of antibodies to chromosomal proteins. Einck L, et al. **Proc Natl Acad Sci USA** 1983 Nov;80(22):6735–9

Antibody against the insulin receptor causes disappearance of insulin receptors in 3T3–L1 cells: a possible explanation of antibody–induced insulin resistance. Grunfeld C. **Proc Natl Acad Sci USA** 1984 Apr;81(8):2508–11

Antibodies against synthetic peptides of the B subunit of cholera toxin: crossreaction and neutralization of the toxin. Jacob CO, et al. **Proc Natl Acad Sci USA** 1983 Dec; 80(24):7611–5

On the use of antibodies in studies on glucocorticoid receptor structure. Gustafsson JA, et al. **Prog Clin Biol Res** 1984; 142:207–22

Panel discussion on the treatment of patients with factor VIII inhibitors. Lusher JM, et al. **Prog Clin Biol Res** 1984; 150:323–35

Origin of the terms 'antibody' and 'antigen'. Lindenmann J. **Scand J Immunol** 1984 Apr;19(4):281–5

Increased numbers of thoracic dorsal root axons in rats given antibodies to nerve growth factor. Hulsebosch CE, et al. **Science** 1984 Aug 3;225(4661):525–6

Immunological approaches to the nervous system. Reichardt LF. **Science** 1984 Sep 21;225(4668):1294–9 (91 ref.)

Antibody–mediated inhibition of effector B and T cell function. Woodland RT. **Surv Immunol Res** 1984; 3(2–3):111–4

Hydrogen peroxide–mediated antagonism against serratia marcescens by Streptococcus mitis. Traub WH, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 May; 254(3):326–32

[Treatment of severe digitalis intoxication with digoxin antibody] Ye ZC. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1983 Dec; 11(4):242–5 (Eng. Abstr.) **(Chi)**

[Changes in catecholamine metabolism in the brains of rabbits after treatment with anti–brain antibodies and lithium ions] Vilkov GA, et al. **Zh Nevropatol Psikhiatr** 1983; 83(9):1395–8 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Acute antibody–mediated rejection of skin grafts without involvement of granulocytes or complement. Bogman MJ, et al. **Am J Pathol** 1984 May;115(2):194–203

Antibody–directed liposomes. Determination of affinity constants for soluble and liposome–bound antifluorescein. Heath TD, et al. **Biochim Biophys Acta** 1984 Mar 14; 770(2):148–58

The effects of nerve growth factor and its antibodies on axonal numbers in the medial gastrocnemius nerve of the rat. Jenq CB, et al. **Brain Res** 1984 May 7;299(1):9–14

Modulation of stimulatory effects of poly(I:C) on natural cytotoxicity by anti–interferon. Droller MJ, et al. **Cell Immunol** 1984 Jun;86(1):242–50

Mesangial immune deposits induced in rats by antibodies to fibronectin. Zanetti M, et al. **Clin Immunol Immunopathol** 1984 Jun;31(3):353–63

Enhancement of immune function and tumor growth inhibition by antibodies against prostaglandin E2. Young MR, et al. **Immunol Commun** 1983;12(1):11–23

Protective antibodies to fenitrooxon. Padki MM, et al. **Indian J Med Res** 1984 Jan;79:137–41

Antibodies to a nucleolar protein are localized in the nucleolus after red blood cell–mediated microinjection. Bennett FC, et al. **J Cell Biol** 1983 Nov;97(5 Pt 1):1566–72

Release of platelet activating factor in rabbits with antibody–mediated injury of the lung: the role of leukocytes and of pulmonary endothelial cells. Camussi G, et al. **J Immunol** 1983 Oct;131(4):1802–7

In vitro and in vivo studies on protective and inhibitory antibodies against Plasmodium falciparum in the Saimiri monkey. Fandeur T, et al. **J Immunol** 1984 Jan;132(1):432–7

Perchlorate blocking for radioimmunodetection [letter] Bradwell AR, et al. **J Nucl Med** 1983 Nov;24(11):1081–2

Acupuncture mechanisms in rabbits studied with microinjection of antibodies against beta–endorphin, enkephalin and substance P. Han JS, et al. **Neuropharmacology** 1984 Jan;23(1):1–5

Antibody L1 ejected from a micropipette identifies neurons without altering electrical activity. Kettenmann H, et al. **Neurosci Lett** 1983 Oct 31;41(1–2):85–90

Serotherapy of AFP–producing tumors with the purified antibody to AFP. Kusumoto Y, et al. **Oncodev Biol Med** 1983;4(6):C95–100

Targeting potential of antibody conjugates. Edwards DC. **Pharmacol Ther** 1983;23(1):147–77 (227 ref.)

The use of antilipopolysaccharide (anti–LPS) antibodies in the management of septic shock. A preliminary report. Gaffin SL, et al. **S Afr Med J** 1984 Feb 4;65(5):158–61

Clinical studies of prostatic cancer imaging with radiolabeled antibodies against prostatic acid phosphatase. Goldenberg DM, et al. **Urol Clin North Am** 1984 May;11(2):277–81

[Report of experiences in the treatment of 16 cases of severe glycoside poisoning with digitalis antibody fragments (Fab)] Smolarz A, et al. **Z Kardiol** 1984 Feb;73(2):113–9 (Eng. Abstr.) **(Ger)**

[Antidotes: possible classification of anti–digitalis antibodies] Milletti M, et al. **G Clin Med** 1983 Dec;64(12):579–82 (Eng. Abstr.) **(Ita)**

[Specific in vitro effects of methotrexate entrapped into liposomes bearing antibody fragments against human chorionic gonadotropin on cell growth of cultured human choriocarcinoma cells] Mano H, et al. **Gan To Kagaku Ryoho** 1984 Sep;11(9):1775–80 (Eng. Abstr.) **(Jpn)**

[Preparation of conjugates of adriamycin with antibodies to alpha–fetoprotein and their properties] Nishiwaki S, et al. **Gan To Kagaku Ryoho** 1984 Aug;11(8):1591–7 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Correlations between the presence of islet cell surface antibodies in human serum and the cytotoxic effects on rat islet beta–cells. Jahr H, et al. **Acta Biol Med Ger** 1982; 41(12):1099–1103

Is there a relationship between islet cell surface antibodies and clinical, biochemical, hormonal, and immunogenetic parameters in newly diagnosed type I diabetics? Michaelis D, et al. **Acta Biol Med Ger** 1982;41(12):1093–8

Thyroid antibodies in blood donors: prevalence and clinical significance. Bjøro T, et al. **Acta Endocrinol (Copenh)** 1984 Mar;105(3):324–9

Anti–TSH receptor antibodies in Graves' disease modulate the kinetic behaviour of autologous thyroid TSH receptors. Evidence of the IgG–induced cross–linkage of autologous TSH receptors. de Bruin TW, et al. **Acta Endocrinol (Copenh)** 1984 Mar;105(3):330–40

Influence of antiganglioside antibodies on thyrotrophin binding and adenyl cyclase activity of thyroid plasma membranes. Gardas A, et al. **Acta Endocrinol (Copenh)** 1983 Nov;104(3):333–9

Cervical factors and immunological problems: diagnosis and treatment. Shulman S. **Acta Eur Fertil** 1983 Mar–Apr; 14(2):101–5

Detection of factor IX inhibitors by immunoradiometric assay. Ljung R, et al. **Acta Haematol (Basel)** 1983; 70(5):307–11

Induced tolerance in hemophilia patients with antibodies against IX:C. Hedner U, et al. **Acta Med Scand** 1983; 214(3):191–7

Dextran-reactive antibodies in children. Appearance during the first 4 years of life and relation to E. coli infections in the urinary tract. Hattevig G, et al. **Acta Paediatr Scand** 1983 Nov;72(6):849–51

Characterization of two strains of selectively bred guinea-pigs. 3. Homocytotropic antibodies in guinea-pig lines with high or low susceptibility to respiratory anaphylaxis. Clausen JT, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1983 Dec; 91(6):377–82

Different suitability of 3 filarial antigens (Litomosoides carinii, Dipetalonema viteae, Dirofilaria immitis) to act as allergens in the Passive Cutaneous Anaphylaxis Test and to serve as antigens in an ELISA in the course of experimental filarial infections (L. carinii, D. viteae, Brugia malayi, B. pahangi) of Mastomys natalensis. Zahner H, et al. **Acta Trop (Basel)** 1984 Mar;41(1):51–60

Antibodies to glycosphingolipids in patients with multiple sclerosis and SLE. Endo T, et al. **Adv Exp Med Biol** 1984; 174:455–61

A clinical and immunological study of allergy to hen's egg white. IV. Specific IGE-antibodies to individual allergens in hen's egg white related to clinical and immunological parameters in egg-allergic patients. Langeland T. **Allergy** 1983 Oct;38(7):493–500

The detection of platelet antibodies using a modified platelet immunofluorescence test. Boisvert A, et al. **Am J Clin Pathol** 1983 Dec;80(6):839–43

Reappraisal of the specificity of the Crithidia luciliae assay for nDNA antibodies: evidence for histone antibody kinetoplast binding. Deng JS, et al. **Am J Clin Pathol** 1984 Oct;82(4):448–52

Immunofluorescent antigluten antibody test. Titer and profile of gluten antibodies in celiac disease. Rosenthal E, et al. **Am J Dis Child** 1984 Jul;138(7):659–62

Spontaneous disappearance of an IgA anti-factor IX inhibitor in a child with Christmas disease. Carroll RR, et al. **Am J Hematol** 1984 Oct;17(3):321–5

Idiopathic thrombocytopenic purpura. Burns TR, et al. **Am J Med** 1983 Dec;75(6):1001–7

Humoral immune reactions in uremic pericarditis. Maisch B, et al. **Am J Nephrol** 1983 Sep-Oct;3(5):264–71

Monoclonal versus polyclonal antibody radioimmunoassay against the beta-subunit of human chorionic gonadotropin in patients with gestational trophoblastic neoplasia. Wu T, et al. **Am J Obstet Gynecol** 1983 Dec 1;147(7):821–5

Detection of antispermatozoal antibodies of IgA class in cervical mucus. Clarke GN, et al. **Am J Reprod Immunol** 1984 Mar;5(2):61–5

Are sperm immobilizing antibodies in cervical mucus an explanation for a poor postcoital test? Jager S, et al. **Am J Reprod Immunol** 1984 Mar;5(2):56–60

Seroepidemiological survey of toxoplasmosis in La Guadeloupe, French West Indies. Barbier D, et al. **Am J Trop Med Hyg** 1983 Sep;32(5):935–42

Cell-mediated and humoral immune responses in capuchin monkeys infected with Schistosoma japonicum or Schistosoma mansoni. Barral-Netto M, et al. **Am J Trop Med Hyg** 1983 Nov;32(6):1335–43

The indirect immunofluorescence (IIF) test in detection of imported Plasmodium vivax malaria in the Sutter-Yuba County area of California, U.S.A., 1975–1979. Hornstein JH, et al. **Am J Trop Med Hyg** 1983 Nov;32(6):1195–202

Evaluation of promastigote and amastigote antigens in the indirect fluorescent antibody test for American cutaneous leishmaniasis. Pappas MG, et al. **Am J Trop Med Hyg** 1983 Nov;32(6):1260–7

Serologic tests for diagnosis and post-treatment evaluation of patients with alveolar hydatid disease (Echinococcus multilocularis). Schantz PM, et al. **Am J Trop Med Hyg** 1983 Nov;32(6):1381–6

Anti-sporozoite antibodies induced by natural infection. Tapchaisri P, et al. **Am J Trop Med Hyg** 1983 Nov; 32(6):1203–8

The seroepidemiology of malaria in Middle America. V. Antibody responses in an indicator population from an endemic area with attack phase antimalaria activities. Warren M, et al. **Am J Trop Med Hyg** 1983 Nov; 32(6):1209–15

Application of the enzyme-linked immunosorbent assay to detect canine erythrocyte antibodies. Campbell KL, et al. **Am J Vet Res** 1984 Apr;45(4):747–50

A rapid, sensitive method for detection of alkaline phosphatase-conjugated anti-antibody on Western blots. Blake MS, et al. **Anal Biochem** 1984 Jan;136(1):175–9

Potentiometric digoxin antibody measurements with antigen-ionophore based membrane electrodes. Keating MY, et al. **Anal Chem** 1984 Apr;56(4):801–6

Rapid alterations of the axon membrane in antibody-mediated demyelination. Saida K, et al. **Ann Neurol** 1984 Jun;15(6):581–9

Measurement of variation and significance in serologic tests. Taylor RN. **Ann NY Acad Sci** 1983;420:13–21

Serum antibodies to type II collagen in rheumatoid arthritis: comparison of 6 immunological methods and clinical features. Clague RB, et al. **Ann Rheum Dis** 1983 Oct; 42(5):537–44

Antibodies to cultured rat heart cells in sera of patients with rheumatoid arthritis. More R, et al. **Ann Rheum Dis** 1984 Jun;43(3):483–6

The use of Eriochrome Black A (diamond black) as a counterstain in fluorescent antibody staining techniques for the detection of antibodies to haemoprotozoa. Jones TW, et al. **Ann Trop Med Parasitol** 1983 Oct;77(5):535–6

Polyamide resin: a novel immunoadsorbent. I. Preparation of polyamide resin-antigen conjugates for use in a solid phase assay for radiolabeled antibody synthesized in vitro. Gooch GT, et al. **Appl Biochem Biotechnol** 1983 Apr; 8(2):105–14

Possible drug-induced pemphigus-like antibodies with the clinical manifestation of erythema multiforme. Ansel J, et al. **Arch Dermatol** 1983 Dec;119(12):1006–9

Gluten-free diet in patients with dermatitis herpetiformis. Effect on the occurrence of antibodies to reticulin and gluten. Ljunghall K, et al. **Arch Dermatol** 1983 Dec; 119(12):970–4

Intradermal implantation of bovine collagen. Humoral immune responses associated with clinical reactions. Siegle RJ, et al. **Arch Dermatol** 1984 Feb;120(2):183–7

Sequential studies of gliadin antibodies in patients with dermatitis herpetiformis. Kieffer M, et al. **Arch Dermatol Res** 1984;276(2):74–7

Antibody and immunoglobulin levels in aged humans. Bátory G, et al. **Arch Gerontol Geriatr** 1984 Jul;3(2):175–88

Antibodies to vimentin intermediate filaments in sera from patients with systemic lupus erythematosus. Alcover A, et al. **Arthritis Rheum** 1984 Aug;27(8):922–8

Absence of an effect of tolerance to milk protein on experimental atherosclerosis in rabbits. Notley JR, et al. **Atherosclerosis** 1984 Aug;52(2):199–202

Natural antibodies against phospholipids and liposomes in humans. Alving CR. **Biochem Soc Trans** 1984 Apr; 12(2):342–4

Clinical experience with polyelectrolyte-fractionated porcine factor VIII concentrate in the treatment of hemophiliacs with antibodies to factor VIII. Kernoff PB, et al. **Blood** 1984 Jan;63(1):31–41

Comparison of ELISA and indirect immunofluorescence in the detection of IgG and IgM antitoxoplasma antibodies. Filice G, et al. **Boll Ist Sieroter Milan** 1983 Nov 30; 62(5):445–50

Determination of immunity against tetanus infection by passive haemagglutination assay. Marconi P, et al. **Boll Ist Sieroter Milan** 1983;62(6):567–74

Toxocaral antibodies in personnel occupationally concerned with dogs. Slovak AJ. **Br J Ind Med** 1984 Aug;41(3):419

Longitudinal study of serum antibody responses to bovine retinal S-antigen in endogenous granulomatous uveitis. Abrahams IW, et al. **Br J Ophthalmol** 1983 Oct; 67(10):681–4

Enzyme linked immunosorbent assay for detecting antibody to Trichomonas vaginalis: use of whole cells and aqueous extract as antigen. Alderete JF. **Br J Vener Dis** 1984 Jun; 60(3):164–70

Gliadin antibody levels in screening tests for coeliac disease [letter] **Br Med J [Clin Res]** 1984 Jan 7;288(6410):69–71

Degos' disease: association with anticardiolipin antibodies and the lupus anticoagulant. Englert HJ, et al. **Br Med J [Clin Res]** 1984 Sep 8;289(6445):576

Insulin receptor antibodies causing steroid responsive diabetes mellitus in a patient with myositis. Fonseca V, et al. **Br Med J [Clin Res]** 1984 May 26;288(6430):1578

The epidemiology of ovine toxoplasmosis. I. The interpretation of data for the prevalence of antibody in sheep and other host species. Blewett DA. **Br Vet J** 1983 Nov-Dec;139(6):537–45

Identification of antibodies in anti-CNS and anti-PNS myelin sera by immunoblot, characterization by immunohistochemistry, and their effect in tissue culture. Agrawal HC, et al. **Brain Res** 1984 Jul 30;307(1-2):191–200

First demonstration of highly specific and sensitive antibodies against dopamine. Geffard M, et al. **Brain Res** 1984 Feb 27;294(1):161–5

Retrograde transport of dopamine beta-hydroxylase antibodies in sympathetic neurons: effects of drugs modifying noradrenergic transmission. Lees GJ, et al. **Brain Res** 1984 Jun 3;301(2):281–6

Antibody titers to Toxoplasma gondii in renal transplant patients. Figueiredo JF, et al. **Braz J Med Biol Res** 1983 Oct;16(3):235–9

Antibodies against synthetic peptides as a tool for functional analysis of the transforming protein pp60src. Tamura T, et al. **Cell** 1983 Sep;34(2):587–96

Long-term falls in antibodies to dust mite and pollen allergens in patients with asthma or hay fever. Rawle FC, et al. **Clin Allergy** 1983 Sep;13(5):409–17

Therapeutic doses of vitamin B12 give false-positive values for intrinsic-factor-blocking antibodies [letter] Muckerheide M. **Clin Chem** 1984 Sep;30(9):1579

Direct and quantitative measurement by immunoprecipitation assay of anti-thyrotrophin receptor antibodies in sera of patients with Graves' disease. de Bruin TW, et al. **Clin Endocrinol (Oxf)** 1984 Feb;20(2):143–51

A receptor assay for the measurement of TSH receptor antibodies in unextracted serum. Southgate K, et al. **Clin Endocrinol (Oxf)** 1984 May;20(5):539–48

Parietal cell antibodies in relation to basal serum gastrin in a normal population. Bins M, et al. **Clin Exp Immunol** 1983 Sep;53(3):619–22

Circulating antibodies to the surface antigens on colon epithelial cells in ulcerative colitis. Hibi T, et al. **Clin Exp Immunol** 1983 Oct;54(1):163–8

Detection of antibodies to Chang liver cell in sera from patients with chronic liver diseases by 125I-labelled protein A binding assay and the effect of prednisolone and 6-mercaptopurine treatment on the level of the antibodies. Inagaki Y, et al. **Clin Exp Immunol** 1984 Jul;57(1):79–84

Anti-phospholipid antibodies and biological false positive serological test for syphilis in patients with systemic lupus erythematosus. Koike T, et al. **Clin Exp Immunol** 1984 Apr; 56(1):193–9

Antibodies to gliadin, gluten and reticulin glycoprotein in rheumatic diseases: elevated levels in Sjögren's syndrome. Teppo AM, et al. **Clin Exp Immunol** 1984 Jul;57(1):73–8

Liver cell membrane antibody detected by protein A and isolated rabbit liver plasma membrane in sera of patients with chronic liver diseases. Toda G, et al. **Clin Exp Immunol** 1983 Dec;54(3):661–70

Antibodies to cardiac conducting tissue and abnormalities of cardiac conduction in rheumatoid arthritis. Villecco AS, et al. **Clin Exp Immunol** 1983 Sep;53(3):536–40

Characterization of the humoral immune response in Plasmodium falciparum malaria. I. Estimation of antibodies to P. falciparum or human erythrocytes by means of microELISA. Wahlgren M, et al. **Clin Exp Immunol** 1983 Oct;54(1):127–34

Characterization of the humoral immune response in Plasmodium falciparum malaria. II. IgG subclass levels of anti-P. falciparum antibodies in different sera. Wahlgren M, et al. **Clin Exp Immunol** 1983 Oct;54(1):135–42

The role of RNP, Sm, and SS-A/Ro-specific antisera from patients with lupus erythematosus in inducing antibody-dependent cellular cytotoxicity (ADCC) of targets coated with nonhistone nuclear antigens. Norris DA, et al. **Clin Immunol Immunopathol** 1984 Jun; 31(3):311–20

The effect of immunization route and sequence of stimulation on the induction of IgA antibodies in tears. Montgomery PC, et al. **Curr Eye Res** 1984 Jun;3(6):861–5

Non-insulin-treated ICA positive and negative diabetics are equally insulin resistant. Gray RS, et al. **Diabete Metab** 1983 Dec;9(4):292–6

Glucosylated collagen is antigenic. Bassiouny AR, et al. **Diabetes** 1983 Dec;32(12):1182–4

Complement-fixing islet cell antibodies in the spontaneously diabetic BB rat. Martin DR, et al. **Diabetes** 1984 Jan; 33(1):93–6

Clinical time-course and characteristics of islet cell cytoplasmatic antibodies in childhood diabetes. Bruining GJ, et al. **Diabetologia** 1984 Jan;26(1):24–9

Immune abnormalities in diabetic patients not requiring insulin at diagnosis. Di Mario U, et al. **Diabetologia** 1983 Nov;25(5):392–5

Analysis of islet cell antibodies on frozen sections of human pancreas. Marner B, et al. **Diabetologia** 1983 Aug;25(2):93–6

Antibody measurement in extrinsic allergic alveolitis. McSharry C, et al. **Eur J Respir Dis** 1984 May;65(4):259–65

Islet cell antibodies in individuals at increased risk for IDDM. Schulz B, et al. **Exp Clin Endocrinol** 1984 Apr;83(2):192–8

Nippostrongylus brasiliensis: local humoral responses in the lungs and intestines of rats following vaccination with irradiated larvae. Wedrychowicz H, et al. **Exp Parasitol** 1984 Feb;57(1):25–33

An immunosorption assay for antibodies to spermatozoa: comparison with agglutination and immobilization tests. Alexander NJ, et al. **Fertil Steril** 1984 Feb;41(2):270–6

Sperm antibodies: their role in infertility. Bronson R, et al. **Fertil Steril** 1984 Aug;42(2):171–83 (78 ref.)

Absence of antibodies to ethinyl estradiol in users of oral contraceptive steroids. Huang NH, et al. **Fertil Steril** 1984 Apr;41(4):587–92

Comparison of two supravital stains in examination of human semen and in tests for cytotoxic antibodies to human spermatozoa. Jager S, et al. **Fertil Steril** 1984 Feb; 41(2):294–7

Specific antibodies to porcine zona pellucida detected by quantitative radioimmunoassay in both fertile and infertile women. Kurachi H, et al. **Fertil Steril** 1984 Feb;41(2):265–9

Evaluations of antibody levels in Toxoplasma infection by the immunofluorescent antibody test and ELISA test. Azab ME, et al. **Folia Parasitol (Praha)** 1983;30(4):303–7

Comparison of counterimmunoelectrophoresis with indirect haemagglutination test in the detection of antibodies in rabbits experimentally infected with various species of ascarids. Lukeš S, et al. **Folia Parasitol (Praha)** 1984; 31(2):157–62

Hepatocyte plasma membrane antigens. I. Determination of antibodies bound to the hepatocyte plasma membrane by 125I-protein A binding assay. Sakaguchi K. **Gastroenterol Jpn** 1983 Aug;18(4):330–8

Circulating antibodies against human chorionic gonadotropin following trophoblastic disease. de Bruijn HW, et al. **Gynecol Oncol** 1984 Sep;19(1):114–9

Clinical diagnosis of primary biliary cirrhosis: a classification based on major and minor criteria. Taal BG, et al. **Hepatogastroenterology** 1983 Oct;30(5):178–82

Identification of large cell undifferentiated tumours in lymph nodes using leucocyte common and keratin antibodies. Lauder I, et al. **Histopathology** 1984 Mar;8(2):259–72

Detection of platelet antibodies by anti-kappa light chain

facilitation of C-FDA (KC-FDA) thrombocytotoxicity. Lizak GE, et al. **Hum Immunol** 1983 Dec;8(4):265–71

Gluten antibodies in patients with multiple sclerosis. Hunter AL, et al. **Hum Nutr Appl Nutr** 1984 Apr;38(2):142–3

Detection of precipitating and complement consuming antibodies by enzyme linked immune sorbent assay in pigeon breeders' disease. Huizinga M, et al. **Immunobiology** 1984 Mar;166(2):168–76

Use of enzyme-linked immunosorbent assay to detect antibodies to staphylococcal protein A in the rabbit. Muehlestein S, et al. **Immunol Lett** 1984;8(2):79–81

Primary infection sera and IgG1 do not block host-protective immunity to Nematospiroides dubius. Pritchard DI, et al. **Immunology** 1984 Jan;51(1):73–81

Deoxycytidylate antibodies: elicitation, purification & studies on interaction with ligands. Reddy MV, et al. **Indian J Biochem Biophys** 1983 Dec;20(6):321–6

Comparative evaluation of Plasmodium knowlesi and P. cynomolgi antigens in the indirect fluorescent antibody test for human malaria. Agarwal SS, et al. **Indian J Med Res** 1983 May;77:616–22

Relative efficacy of Wuchereria bancrofti microfilarial & infective larval antigens in the detection of filarial antibodies. Dhanvantari Naidu Y, et al. **Indian J Med Res** 1984 Jan;79:50–4

Lewis antibodies in pregnant Indian, British & Pakistani women. Pasricha S. **Indian J Med Res** 1983 Jun;77:850–3

Antibodies to laminin in American cutaneous leishmaniasis. Avila JL, et al. **Infect Immun** 1984 Jan;43(1):402–6

Polyethylene glycol reactive antibodies in man: titer distribution in allergic patients treated with monomethoxy polyethylene glycol modified allergens or placebo, and in healthy blood donors. Richter AW, et al. **Int Arch Allergy Appl Immunol** 1984;74(1):36–9

The optimal age for vaccination against measles in an Asiatic city, Taipei, Taiwan: reduction of vaccine induced titre by residual transplacental antibody. Lee YL, et al. **Int J Epidemiol** 1983 Sep;12(3):340–3

Measles epidemiology in Italy. Santoro R, et al. **Int J Epidemiol** 1984 Jun;13(2):201–9

Testicular biopsy in antispermatozoal antibody positive tuberculoid leprosy patients [letter] Gupta SC, et al. **Int J Lepr** 1984 Jun;52(2):255

Toxoplasma antibodies in polo horses of Nigeria. Aganga AO, et al. **Int J Zoonoses** 1983 Dec;10(2):155–8

Antiacetylcholine receptor antibodies and myasthenia gravis. Fulpius BW. **Int Rev Neurobiol** 1983;24:1–14 (40 ref.)

Profiles of antibodies to poly(ADP-ribose), left-handed Z-DNA, and other nuclear constituents in systemic lupus erythematosus and progressive systemic sclerosis. Kanai Y, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1983; 13:93–100

Antibody responses following change-over to mixed species (porcine/bovine) insulins. Drury MI, et al. **Ir J Med Sci** 1983 Sep;152(9):325–8

The relationship of total serum IgE and blocking antibody in trimellitic anhydride—induced occupational asthma. Bernstein DI, et al. **J Allergy Clin Immunol** 1983 Dec; 72(6):714–9

Antibodies against toluene diisocyanate protein conjugates. Three methods of measurement. Patterson R, et al. **J Allergy Clin Immunol** 1983 Dec;72(6):676–80

Serologic survey of California wild hogs for antibodies against selected zoonotic disease agents. Clark RK, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1248–51

Abortion and stillbirth associated with Chlamydia psittaci var ovis in dairy goats with high titers to Toxoplasma gondii. Gunson DE, et al. **J Am Vet Med Assoc** 1983 Dec 15;183(12):1447–50

The determination of the potency of human tetanus immunoglobulins by an enzyme-linked immunosorbent assay. Gentili G, et al. **J Biol Stand** 1984;12(2):167–73

The standardization of a 'spot-test' ELISA for the rapid screening of sera and hybridoma cell products I. The determination of the optimum buffering system. McCullough KC, et al. **J Biol Stand** 1984 Jan;12(1):67–74

The standardization of a 'spot-test' ELISA for the rapid screening of sera and hybridoma cell products II. The determination of binding capacity, binding ratio and coefficient of variation of different ELISA plates in sandwich and indirect ELISA. McCullough KC, et al. **J Biol Stand** 1984 Jan;12(1):75–86

Studies on the antigenicity of bone. II. Donor-specific anti-HLA antibodies in human recipients of freeze-dried allografts. Friedlaender GE, et al. **J Bone Joint Surg [Am]** 1984 Jan;66(1):107–12

Synthesis and evaluation of luminescent tracers and hapten-protein conjugates for use in luminescence immunoassays with immobilised antibodies and antigens. A critical study of macro solid phases for use in immunoassay systems, Part II. Gadow A, et al. **J Clin Chem Clin Biochem** 1984 May;22(5):337–47

Development of anti-human chorionic gonadotropin antibodies in patients with hypogonadotropic hypogonadism. A study of four patients. Claustrat B, et al. **J Clin Endocrinol Metab** 1983 Nov;57(5):1041–7

Functionality of thyroid-stimulating antibodies assessed by cryopreserved human thyroid cell bioassay. Davies TF, et al. **J Clin Endocrinol Metab** 1983 Nov;57(5):1021–7

Methodological aspects and clinical results of an assay for thyroid-stimulating antibodies: correlation with thyrotropin binding-inhibiting antibodies. Hensen J, et al. **J Clin Endocrinol Metab** 1984 Jun;58(6):980–7

Association of serum antithyroid antibodies with lymphocytic infiltration of the thyroid gland: studies of seventy autopsied cases. Yoshida H, et al. **J Clin Endocrinol Metab** 1978 Jun;46(6):859–62

Pregnancy-associated changes in the thyroid-stimulating antibody of Graves' disease and the relationship to neonatal hyperthyroidism. Zakarija M, et al. **J Clin Endocrinol Metab** 1983 Nov;57(5):1036–40

Distribution of serum antibodies to wheat gliadin and bovine milk in atopic and non-atopic healthy adults. Barnes RM, et al. **J Clin Lab Immunol** 1983 Dec;12(4):175–8

Circulating anti-insulin receptor antibodies in a patient suffering from lupus nephritis and hypoinsulinemic hypoglycaemia. Tardella L, et al. **J Clin Lab Immunol** 1983 Nov;12(3):159–65

Reactivity of Dade rapid plasma reagin card test with low-titer sera. Fischer GS, et al. **J Clin Microbiol** 1984 Mar;19(3):435

Microvolume, kinetic-dependent enzyme-linked immunosorbent assay for amoeba antibodies. Mathews HM, et al. **J Clin Microbiol** 1984 Feb;19(2):221–4

Evaluation of various plastic microtiter plates with measles, toxoplasma, and gamma globulin antigens in enzyme-linked immunosorbent assays. Shekarchi IC, et al. **J Clin Microbiol** 1984 Feb;19(2):89–96

Liver membrane antibodies in alcoholic liver disease. II. Antibodies to ethanol-altered hepatocytes. Anthony RS, et al. **J Clin Pathol** 1983 Nov;36(11):1302–8

The effect of treatment on resistance to reinfection with Schistosoma haematobium in hamsters and the measures of the antibody levels by the ELISA. Ismail MM, et al. **J Egypt Soc Parasitol** 1983 Dec;13(2):355–67

Studies on the correlation between intestinal bilharzial egg reaction and specific antiegg antibodies. Massoud AM, et al. **J Egypt Soc Parasitol** 1983 Jun;13(1):165–72

The presence of leishmaniasis antibodies in children in Tanta, Gharbiya Governorate, Egypt. Rifaat MA, et al. **J Egypt Soc Parasitol** 1983 Jun;13(1):1–7

Response of human sera from Faiyum governorate, Egypt, to three plasmodium antigens using the IFA technique. El Sawaf BM, et al. **J Egypt Soc Parasitol** 1983 Jun; 13(1):285–9

The prognostic value of parallel measurements of thyrotropin binding inhibiting immunoglobulins (TBII) and thyroid adenylate cyclase stimulating antibodies (TSAb) in Graves' disease after longterm antithyroid treatment. Bliddal H, et al. **J Endocrinol Invest** 1983 Aug;6(4):259–62

Soluble antigens and antibodies in the sera of mice infected with Trichinella spiralis, detected by a modified double counterimmunoelectrophoresis technique. Smith HV, et al. **J Helminthol** 1984 Mar;58(1):71–8

Theoretical analysis of the Farr antibody assay with a computer model: importance of antigen concentration and antibody affinity. Griswold WR, et al. **J Immunoassay** 1984; 5(1–2):71–86

Antibodies to glycosphingolipids in patients with multiple sclerosis and SLE. Endo T, et al. **J Immunol** 1984 Apr; 132(4):1793–7

Preparation of goat antibodies against interleukin 1: use of an immunoadsorbent to purify interleukin 1. Mizel SB, et al. **J Immunol** 1983 Oct;131(4):1834–7

Generation, characterization and ELISA of monospecific antibodies against the subunits of a Ca2+-dependent protein kinase and a Ca2+-transport ATPase from rabbit skeletal muscle. Böhm H, et al. **J Immunol Methods** 1984 May 25;70(2):193–209

Measurement of specific antibodies in human intestinal aspirate: effect of the protease inhibitor phenylmethylsulphonyl fluoride. Hohmann A, et al. **J Immunol Methods** 1983 Nov 11;64(1–2):199–204

Enzyme immunoassay with high sensitivity and accuracy for specific antibody to neocarzinostatin. Kitagawa T, et al. **J Immunol Methods** 1984 Aug 3;72(1):297–303

Use of ATPase-associated antigen (M2) for detection of antimitochondrial antibodies in primary biliary cirrhosis by fluorometric immunoassay. Klein R, et al. **J Immunol Methods** 1983 Nov 11;64(1–2):227–38

Development of a micro enzyme-linked immunosorbent assay for antibodies against liver-specific membrane lipoprotein. McFarlane IG, et al. **J Immunol Methods** 1983 Nov 11;64(1–2):215–25

Correlation of murine anti-dinitrophenyl antibody content as determined by ELISA, passive cutaneous anaphylaxis and passive hemolysis. Maekawa S, et al. **J Immunol Methods** 1984 Jul 6;71(2):229–39

Enzyme-linked crossed immunoelectrophoresis: a technique for detection of allergens and their respective antibodies in human schistosomiasis. Reiner G, et al. **J Immunol Methods** 1984 Aug 3;72(1):289–95

Antibody-dependent lymphocyte-mediated granulocytotoxicity (ADLG) for the detection of granulocyte antibodies. Richards K, et al. **J Immunol Methods** 1983 Sep 30;63(1):93–102

A solid-phase radioimmunoassay for IgG gliadin antibodies using 125I-labelled staphylococcal protein A. Troncone R, et al. **J Immunol Methods** 1983 Oct 14;63(2):163–70

Quantification of antimyosin antibodies in experimental myocarditis by a new solid phase fluorometric assay. Wittner B, et al. **J Immunol Methods** 1983 Nov 11; 64(1–2):239–47

Serological specificity of the liposome lysis test for measurement of anti-ganglioside antibodies. A comparison with hemagglutination inhibition. Zemmour J, et al. **J Immunol Methods** 1984 Feb 10;66(2):331–40

Human antibody response to Schistosoma mansoni surface antigens defined by protective monoclonal antibodies. Dissous C, et al. **J Infect Dis** 1984 Feb;149(2):227–33

Seroepidemiology of malaria in Karnataka State: longitudinal study of a population from an area with high incidence at Kolar, South India. Gupta MM, et al. **J Infect Dis** 1983 Sep;148(3):609

Immune response of mice to ingested Toxoplasma gondii: a model of toxoplasma infection acquired by ingestion. McLeod R, et al. **J Infect Dis** 1984 Feb;149(2):234–44

Toxocara canis infection: clinical and epidemiological associations with seropositivity in kindergarten children. Worley G, et al. **J Infect Dis** 1984 Apr;149(4):591–7

Paternal histocompatibility (HLA) antigens and maternal anti-HLA antibodies in herpes gestationis. Shornick JK, et al. **J Invest Dermatol** 1983 Nov;81(5):407–9

Anti-Trypanosoma cruzi antibodies among domestic dogs in New Orleans. Vakalis N, et al. **J La State Med Soc** 1983 Aug;135(8):14–5

Rebound and overshoot after plasma exchange in humans. Derksen RH, et al. **J Lab Clin Med** 1984 Jul;104(1):35–43

Neonatal myasthenia gravis. Anti-acetylcholine receptor antibodies in the amniotic fluid. Morel E, et al. **J Neuroimmunol** 1984 Aug;6(5):313–7

Endogenous myelin basic protein-serum factors (MBP-SFS) and anti-MBP antibodies in a patient with post-herpes simplex virus acute disseminated encephalomyelitis. Rabinowitz SG, et al. **J Neurol Sci** 1983 Aug-Sep; 60(3):393–400

High titer of interferon (IFN)-neutralizing antibody in a patient with glioblastoma treated with IFN-alpha. Case report. Otsuka S, et al. **J Neurosurg** 1984 Sep;61(3):591–3

Optimization of the DTPA mixed-anhydride reaction with antibodies at low concentration. Paik CH, et al. **J Nucl Med** 1983 Oct;24(10):932–6

Antibodies to Trypanosoma cruzi in coyotes in texas. Grögl M, et al. **J Parasitol** 1984 Feb;70(1):189–91

Induction of tolerance to factor VIII in a child with a high-titer inhibitor: in vitro and in vivo observations. Gomperts ED, et al. **J Pediatr** 1984 Jan;104(1):70–5

Giardia lamblia infections in a cohort of Bangladeshi mothers and infants followed for one year. Islam A, et al. **J Pediatr** 1983 Dec;103(6):996–1000

Serum IgG antibodies to gliadin in children with celiac disease as measured by an immunofluorescence method. Blazer S, et al. **J Pediatr Gastroenterol Nutr** 1984 Mar; 3(2):205–9

Mathematical immunogenetics II. Antibody incidence structure. Markowsky G, et al. **J Theor Biol** 1983 Jun 7; 102(3):425–37

Elective cardiac operation in a patient with severe hemophilia and acquired factor VIII antibodies. Leggett PL, et al. **J Thorac Cardiovasc Surg** 1984 Apr;87(4):556–60

Serologic testing of wild roe deer (Capreolus capreolus L.) from the Trois Fontaines forest region of eastern France. Blancou J. **J Wildl Dis** 1983 Jul;19(3):271–3

Prothrombin complex concentrates and inhibitors. A reappraisal [editorial] Kasper CK. **JAMA** 1984 Jan 6; 251(1):68–9

Circulating anti-heart antibodies in heart diseases detected using an immunofluorescent technique. Yamakawa K, et al. **Jpn Circ J** 1983 Oct;47(10):1173–8

Highly sensitive-beta-D-galactosidase-linked immunosorbent assay for anti-myelin basic protein antibody. Akiyama K. **Jpn J Exp Med** 1983 Aug; 53(4):181–5

Evaluation of micro-ELISA for schistosomiasis japonica using crude egg antigen. Tanaka H, et al. **Jpn J Exp Med** 1983 Jun;53(3):147–54

Diagnostic value of intermediate filament antibodies in clinical cytology. Altmannsberger M, et al. **Klin Wochenschr** 1984 Feb 1;62(3):114–23

Protective antibodies and spontaneous abortion [letter] Beard RW, et al. **Lancet** 1983 Nov 5;2(8358):1090

Anti-cardiolipin antibodies in neurological diseases [letter] Colaco CB, et al. **Lancet** 1984 Jan 21;1(8369):164

Thyroid-stimulating antibody in Graves' disease [letter] Davies TF. **Lancet** 1984 Jun 23;1(8391):1417–8

Fluctuating islet-cell autoimmunity in unaffected relatives of patients with insulin-dependent diabetes. Spencer KM, et al. **Lancet** 1984 Apr 7;1(8380):764–6

Severe pulmonary hypersensitivity associated with passive transfusion of a neutrophil-specific antibody. Yomtovian R, et al. **Lancet** 1984 Feb 4;1(8371):244–6

In-vitro fertilisation of oocytes from women with serum antisperm antibodies. Yovich JL, et al. **Lancet** 1984 Feb 18;1(8373):369–70

Immune manipulations and brain-reactive antibody formation in aging mice. Nandy K, et al. **Mech Ageing Dev** 1983 Jul-Aug;22(3–4):287–93

Detection of antibodies to Toxoplasma gondii: a comparison of three test kits. Lester J. **Med Lab Sci** 1983 Oct; 40(4):387–9

Antibodies to ribonucleoprotein and congenital heart block [letter] Clauvel JP, et al. **N Engl J Med** 1983 Dec 22; 309(25):1583

Indirect immunofluorescent antibody test in chicken leucocytozoonosis. Isobe T, et al.

Natl Inst Anim Health Q (Tokyo) 1982 Winter;22(4):163–9

Myasthenia gravis: difference between thymoma-associated antibodies and cross-striational skeletal muscle antibodies. Gilhus NE, et al. **Neurology (NY)** 1984 Feb;34(2):246–9

Evaluation of the enzyme-linked immunosorbent assay for detecting antibodies to Toxocara canis in dogs. Matsumura K, et al. **Nippon Juigaku Zasshi** 1983 Oct;45(5):683–5

Circulating antigens and antibodies of Dirofilaria immitis in the dog detected by counterimmunoelectrophoresis. Tagawa M, et al. **Nippon Juigaku Zasshi** 1983 Jun; 45(3):323–9

Autoimmune phenomena in infertile patients with endometriosis. Badawy SZ, et al. **Obstet Gynecol** 1984 Mar; 63(3):271–5

A case of hydralazine-induced lupus erythematosus with circulating antibodies to native DNA. Ohe A, et al. **Osaka City Med J** 1982;28(2):149–51

Systemic humoral factors participating in the course of spinal cord injury. Mizrachi Y, et al. **Paraplegia** 1983 Oct; 21(5):287–93

Interference with anti-trypanosome immune responses in rabbits infected with cyclically-transmitted Trypanosoma congolense. Luckins AG, et al. **Parasite Immunol** 1983 Nov; 5(6):547–56

Specific antibody responses to the variable surface glycoproteins of Trypanosoma congolense in infected cattle. Masake RA, et al. **Parasite Immunol** 1983 Jul; 5(4):345–55

Antibodies to coccidia: detection by the enzyme-linked immunosorbent assay (ELISA). Rose ME, et al. **Parasite Immunol** 1983 Sep;5(5):479–89

Serological diagnosis and post-operative surveillance of human hydatid disease. II. The enzyme-linked immunosorbent assay (ELISA) using various antigens. Rickard MD, et al. **Pathology** 1984 Apr;16(2):211–5

Serological diagnosis and post-operative surveillance of human hydatid disease. I. Latex agglutination and immunoelectrophoresis using crude cyst fluid antigen. Rickard MD. **Pathology** 1984 Apr;16(2):207–10

Neutralizing antibodies to non-polio enteroviruses in human immune serum globulin. Dagan R, et al. **Pediatr Infect Dis** 1983 Nov–Dec;2(6):454–6

Detection of teichoic acid antibodies in children with staphylococcal infections. Thisyakorn U, et al. **Pediatr Infect Dis** 1984 May–Jun;3(3):222–5

Virus receptors for polymerized human serum albumin and anti-receptor antibody in hepatitis B virus infection. Alberti A, et al. **Prog Clin Biol Res** 1983;143:327–36

Extracorporeal protein A–sepharose and specific affinity chromatography for removal of antibodies. Nilsson IM, et al. **Prog Clin Biol Res** 1984;150:225–41

Immunodiagnostic confirmation of hydatid disease in patients with a presumptive diagnosis of infection. Varela-Díaz VM, et al. **Rev Inst Med Trop Sao Paulo** 1984 Mar–Apr; 26(2):87–96

Frequency and clinical significance of anticentromere and anti scl-70 antibodies in an English connective tissue disease population [letter] Giordano M. **Rheumatol Int** 1983;3(4):187

Evaluation of gliadin antibodies for detection of coeliac disease. Kilander AF, et al. **Scand J Gastroenterol** 1983 May;18(3):377–83

Studies of antibodies to lipid A and Tamm–Horsfall in patients with inflammatory bowel disease. Mattsby-Baltzer I, et al. **Scand J Gastroenterol** 1983 Mar;18(2):305–11

Overcoming factor VIII inhibitors: a possible new approach. Barrowcliffe TW, et al. **Scand J Haematol [Suppl]** 1984; 40:207–12

Suppression of secondary antibody response by intravenous immunoglobulin and development of tolerance in a patient with haemophilia B and antibodies. Nilsson IM, et al. **Scand J Haematol [Suppl]** 1984;40:203–6

The management of haemophiliacs who have antibodies to factor VIII. Rizza CR. **Scand J Haematol [Suppl]** 1984; 40:187–93

Markers for the factor VIII antibody response in hemophilia A. Shapiro SS. **Scand J Haematol [Suppl]** 1984;40:181–5

Immunogenic properties of alpha (1——6) dextran, its protein conjugates, and conjugates of its breakdown products in mice. Mäkelä O, et al. **Scand J Immunol** 1984 Jun; 19(6):541–50

Determination of IgG, IgM and IgA antibody responses in human toxoplasmosis by enzyme-linked immunosorbent assay (ELISA). Turunen H, et al. **Scand J Infect Dis** 1983; 15(3):307–11

A double antibody sandwich micro-ELISA kit for the rapid diagnosis of snake bite. Dhaliwal JS, et al. **Southeast Asian J Trop Med Public Health** 1983 Sep; 14(3):367–73

Seroepidemiology of malaria in northern Thailand. Jacobs BB, et al. **Southeast Asian J Trop Med Public Health** 1983 Jun;14(2):235–42

Prevalence of Toxoplasma antibodies in Chiang Mai population. Morakote N, et al. **Southeast Asian J Trop Med Public Health** 1984 Mar; 15(1):80–5

Multiple strains of Plasmodium falciparum are necessary for the growth inhibition assay. Patarapotikul J, et al. **Southeast Asian J Trop Med Public Health** 1983 Jun; 14(2):149–53

Detection of antibodies in cats infected with filarial parasites by the indirect immunofluorescence technique. Prasomsitti P, et al. **Southeast Asian J Trop Med Public Health** 1983 Sep;14(3):353–6

Humoral immune responses in hamsters infected with Opisthorchis viverrini. Sirisinha S, et al. **Southeast Asian J Trop Med Public Health** 1983 Jun; 14(2):243–51

Analysing antibody response based on data obtained from serial dilution methods. Chan LS, et al. **Stat Med** 1983 Oct–Dec;2(4):447–54 (21 ref.)

HLA–DR and Factor VIII antibodies in hemophilia A [letter] Mayr WR, et al. **Thromb Haemost** 1984 Apr 30;51(2):293

Anti–type II collagen antibodies in rheumatoid arthritis. The influence of HLA phenotype. Wooley PH, et al. **Tissue Antigens** 1984 May;23(5):263–9

Islet cell surface antibodies in diabetes and their possible influence on glucose tolerance. Ohgawara H, et al. **Tohoku J Exp Med** 1984 Feb;142(2):211–6

Anti–laminin antibodies in workers exposed to mercury vapour. Lauwerys R, et al. **Toxicol Lett** 1983 Jun; 17(1–2):113–6

Anti–laminin antibodies in Sprague–Dawley and brown Norway rats chronically exposed to cadmium. Bernard A, et al. **Toxicology** 1984 Jun;31(3–4):307–13

Detection of antibodies to myotoxin a and prairie rattlesnake (Crotalus viridis viridis) venom in three antisera using enzyme–linked immunosorbent assay and immunodiffusion. Ownby CL, et al. **Toxicon** 1983;21(6):849–55

The relationship of the possible allergic response to jellyfish envenomation and serum antibody titers. Russo AJ, et al. **Toxicon** 1983;21(4):475–80

Anti–Ia reactivity in sera from subjects with Entamoeba histolytica infection. De Simone C, et al. **Trans R Soc Trop Med Hyg** 1984;78(1):64–8

A microtiter plate technique for the detection of platelet antibodies and platelet antigen typing. Kickler TS, et al. **Transfusion** 1984 May–Jun;24(3):247–51

Prevalence of Toxoplasma antibodies in sheep and goats in India. Srivastava AK, et al. **Trop Anim Health Prod** 1983 Nov;15(4):207–8

Seroepidemiology of amoebiasis using finger prick blood samples. Sharma P, et al. **Trop Gastroenterol** 1984 Jan–Mar; 5(1):49–52

Detection of amoebic antibodies using fractionated antigen in TIA and IHA tests. Sharma A, et al. **Trop Geogr Med** 1984 Mar;36(1):51–6

Serum antibodies to Giardia intestinalis detected by immunofluorescence using trophozoites as antigen. Winiecka J, et al. **Tropenmed Parasitol** 1984 Mar;35(1):20–2

Application of an indirect carbon immunoassay (CIA) for the rapid diagnosis of antibody to Toxoplasma gondii in sheep. Waller T, et al. **Vet Immunol Immunopathol** 1983 Dec;5(2):203–8

Development of serum antibody activity as determined by enzyme–linked immunosorbent assay to Psoroptes ovis (Acarina:Psoroptidae) antigens in cattle infested with P. ovis. Fisher WF. **Vet Parasitol** 1983 Nov;13(4):363–73

Antibodies to Fasciola hepatica antigens during experimental infections in cattle measured by ELISA. Oldham G. **Vet Parasitol** 1983 Sep;13(2):151–8

Pemphigus vulgaris and plasma exchange. Role of intercellular antibodies. Johnson DW, et al. **West J Med** 1983 Nov;139(5):708–10

Targeting immunologic infertility [letter] Messer RH, et al. **West J Med** 1983 Oct;139(4):537

Time courses of antibody levels in Mastomys natalensis after infections with Litomosoides carinii, Dipetalonema viteae, Brugia malayi or B. pahangi, Determined by ELISA. Tandon A, et al. **Z Parasitenkd** 1983;69(5):681–92

Immunodiagnosis of Schistosomiasis haematobium and schistosomiasis mansoni in man. Application of crude extracts from adult worms and cercariae in the IHA and the ELISA. Feldmeier H, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Sep; 255(2–3):413–21

Preliminary study on the follow–up observations of the antibodies and circulating antigens in canine toxocariasis. Matsumura K, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Dec; 256(2):244–8

[Quantitative determination of the activity of anti–sheep erythrocyte antibodies with 51Cr–labelled erythrocytes] Phan FF, et al. **Eksp Med Morfol** 1983;22(3):28–30 **(Bul)**

[Seroepidemiology of schistosomiasis japonica. I. Age distribution in antibody response of populations living in three areas of varied endemicity] Chen SZ, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1984;2(1):13–6 (Eng. Abstr.) **(Chi)**

[A solid enzyme immunoassay using nylon disc for the detection of specific antibodies of Schistosoma japonicum] Li YH. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1984;2(1):56 **(Chi)**

[Value of serum IgE anti–mite antibody (IgEAM) and IgG anti–mite blocking antibody (IgGAM) estimation in monitoring the treatment of allergic asthma] Shen QY. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1983 Oct;6(5):274–7 (Eng. Abstr.) **(Chi)**

[Changes in antibody levels in patients after treatment of Clonorchis sinensis infection] Qu ZQ. **Chung Hua I Hsueh Tsa Chih** 1983 Apr;63(4):241–3 **(Chi)**

[Study on antibody against liver–specific membrane lipoprotein with solid phase enzyme immunoassay in patients with viral hepatitis] Fang GD. **Chung Hua Nei Ko Tsa Chih** 1983 Sep;22(9):558–60 **(Chi)**

[Detection of anti–LSP antibody in sera of hepatitis patients by staphylococcal protein A ELISA] Hao LJ, et al. **Chung Hua Nei Ko Tsa Chih** 1983 Aug;22(8):502–4 (Eng. Abstr.) **(Chi)**

[Determination of anti–double stranded DNA antibodies by the Crithidia Luciliae immunofluorescence method and its clinical significance] Hu DW. **Chung Hua Nei Ko Tsa Chih** 1983 Jun;22(6):336–8 (Eng. Abstr.) **(Chi)**

[The value of enzyme–linked immunosorbent assay (ELISA) in the diagnosis and evaluation of the prevention–cure effect in schistosomiasis] Lu XE. **Chung Hua Nei Ko Tsa Chih** 1983 Jul;22(7):422–5 (Eng. Abstr.) **(Chi)**

[Anti–Sm antibody assay and its value in the diagnosis of systemic lupus erythematosus] Tang FL, et al. **Chung Hua Nei Ko Tsa Chih** 1983 Aug;22(8):488–90 (Eng. Abstr.) **(Chi)**

[An appraisal of the significance of parietal cell antibody (PCA) as a criterion on the classification of chronic atrophic gastritis (CAG)] Zhang Z. **Chung Hua Nei Ko Tsa Chih** 1983 May;22(5):276–8 (Eng. Abstr.) **(Chi)**

[Detection of sarcocystosis in heifers and pigs using the indirect immunofluorescence method and trypsinization of muscle tissue] Lukešová D, et al. **Vet Med (Praha)** 1984 May;29(5):307–12 (Eng. Abstr.) **(Cze)**

[Immunologic study in bone marrow transplantation. Results of the analysis of 3 cases] Májský A, et al. **Vnitr Lek** 1984 Feb;30(2):105–15 (Eng. Abstr.) **(Cze)**

[Radioimmunologic study of antidigitoxin antibodies in the liquid phase and after fixation in the solid phase] Collignon A, et al. **Ann Pharm Fr** 1983;41(6):531–40 (Eng. Abstr.) **(Fre)**

[Heterogeneity of antibodies blocking the binding of bungarotoxin to the acetylcholine receptor in myasthenia] Vernet–der–Garabédian B, et al. **C R Seances Acad Sci [III]** 1984;298(16):449–56 (Eng. Abstr.) **(Fre)**

[Detection of anti–collagen antibodies by a solid phase radioimmunologic technic] Charrière G, et al. **C R Soc Biol (Paris)** 1984;178(2):160–70 (Eng. Abstr.) **(Fre)**

[Anti–glafenine circulating antibodies: demonstration and frequency in acute renal insufficiency following intake of glafenine in toxic doses] Poirier JC, et al. **Nephrologie** 1983; 4(3):107–10 (Eng. Abstr.) **(Fre)**

[Immunological selection of donors and recipients in renal grafts: antibodies] Seignalet J, et al. **Nephrologie** 1984; 5(1):33–9 (Eng. Abstr.) **(Fre)**

[Computer analysis of anti–HLA sera: ANASER. Its application in kidney transplantation] Busson M, et al. **Pathol Biol (Paris)** 1983 Dec;31(10):833–8 (Eng. Abstr.) **(Fre)**

[Hyperuricemia resistant to urate oxidase. Role of anti–serum urate oxidase precipitating antibodies (letter)] Sibony G, et al. **Presse Med** 1984 Feb 18;13(7):443 **(Fre)**

[Comparison of various types of islet cell antibodies in diabetes as a function of its cause and duration] Vialettes B, et al. **Presse Med** 1983 Oct 22;12(37):2303–6 (Eng. Abstr.) **(Fre)**

[A case of hemolytic disease in a newborn associated with anti–Wra (WRIGHT) antibodies] Monestier M, et al. **Rev Fr Transfus Immunohematol** 1984 Apr;27(2):271–5 (Eng. Abstr.) **(Fre)**

[Antibody detection (IFAT, ELISA) in experimental Schistosoma japonicum–infected goats] von Schumann N, et al. **Berl Munch Tierarztl Wochenschr** 1984 Feb 1; 97(2):61–5 (Eng. Abstr.) **(Ger)**

[Antibody–controlled cytostatic therapy of malignant thymoma with concomitant myasthenia gravis] Schumm F, et al. **Dtsch Med Wochenschr** 1984 Aug 17; 109(33):1244–6 (Eng. Abstr.) **(Ger)**

[What contribution can radioimmunoassays make?] Panitz N. **MMW** 1983 Sep 16;125(37):799–802 (Eng. Abstr.) **(Ger)**

[Acquired hemophilia A due to factor VIIIC inhibitor: detection of circulating immune complexes containing factor VIIIC but not factor VIIIR] Pfyffer M, et al. **Schweiz Med Wochenschr** 1983 Oct 8;113(40):1456–9 (Eng. Abstr.) **(Ger)**

[Extrinsic allergic alveolitis: comparison of 2 methods (Ouchterlony gel precipitation and ELISA) for antibody detection in routine diagnosis] Obexer G, et al. **Wien Klin Wochenschr** 1983 Nov 25;95(22):789–91 (Eng. Abstr.) **(Ger)**

[Frequency of pulmonary function disorders as a function of the degree of sensitization. Studies in a poultry farm] Wuthe H, et al. **Z Erkr Atmungsorgane** 1983;161(2):159–62 (Eng. Abstr.) **(Ger)**

[Immunofluorescent optical detection of antibodies against skeletal muscles in isolated myofibrils] Baumann I, et al. **Z Med Lab Diagn** 1984;25(1):38–40 **(Ger)**

[Serologic toxoplasmosis control in pregnancy using enzyme immunoassay (EIA). 1st experiences] Tiller FW, et al. **Zentralbl Gynakol** 1983;105(17):1101–3 **(Ger)**

[Demonstration of anti–lipid A antibodies and endotoxic complexes in gestosis patients] Manganelli F, et al.

Ann Ostet Ginecol Med Perinat 1983 Jul–Aug;104(4):243–7 (Eng. Abstr.) **(Ita)**

[Standardization and stability of reagents for the titration of anti–tetanus antibodies by means of the passive hemagglutination technic] Bella G, et al. **Boll Ist Sieroter Milan** 1983;62(6):559–66 (Eng. Abstr.) **(Ita)**

[Specific antibodies against lymphocytes and monocytes in multiple–transfused uremic patients] Torlone N, et al. **Boll Soc Ital Biol Sper** 1983 Jul 30;59(7):990–4 (Eng. Abstr.) **(Ita)**

[Acid elution method in dermatosis with suspected autoimmune pathogenesis. II. Acid elution of mononucleate cells in suspension in psoriasis patients] Fattorossi A, et al. **G Ital Dermatol Venereol** 1983 Jan–Feb;118(1):1–3 (Eng. Abstr.) **(Ita)**

[Levels of anti–diphtheria and anti–tetanus antibodies in a sample of Neapolitan children] Schioppa F, et al. **Nuovi Ann Ig Microbiol** 1982 Jan–Feb;33(1):33–40 (Eng. Abstr.) **(Ita)**

[Determination of IgM anti–Toxoplasma gondii antibodies with the immunoenzymatic (IE) method] Aggazzotti G, et al. **Quad Sclavo Diagn** 1982 Dec;18(4):472–8 (Eng. Abstr.) **(Ita)**

[Evaluation of the rate of anti–toxoplasma antibodies in the population of Val di Chiana] Gabrielli L, et al. **Quad Sclavo Diagn** 1983 Sep;19(3):369–76 (Eng. Abstr.) **(Ita)**

[Antiplatelet antibodies. Evaluation of a method of indirect immunofluorescence] Piani M, et al. **Quad Sclavo Diagn** 1983 Mar;19(1):90–7 (Eng. Abstr.) **(Ita)**

[Analysis of anti–pigeon antibody in the sera of residents of an area inhabited by pigeons] Akimoto T, et al. **Arerugi** 1983 Mar;32(3):149–57 (Eng. Abstr.) **(Jpn)**

[ICSA (islet cell surface antibody) in Hashimoto's disease associated with low glucose tolerance] Okumoto T, et al. **Horumon To Rinsho** 1983 Jun;31 Suppl:171–3 **(Jpn)**

[Studies on the skin test of cefotiam and anti–cefotiam antibody] Muranaka M, et al. **Jpn J Antibiot** 1984 Feb; 37(2):198–208 (Eng. Abstr.) **(Jpn)**

[A solid phase radioimmunoassay using 125I–protein A for the detection of anti–human thyroglobulin antibodies] Sakata S, et al. **Nippon Naibunpi Gakkai Zasshi** 1983 May 20;59(5):815–23 (Eng. Abstr.) **(Jpn)**

[Serum antibody levels and the course of anemia–parasitemia in dogs inoculated with Babesia gibsoni] Ogitani T, et al. **Nippon Saikingaku Zasshi** 1983 Jul;38(4):687–93 (Eng. Abstr.) **(Jpn)**

[Clinical significance of intrinsic factor antibody in gastric and various other disease] Kurokawa K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Mar;81(3):926 **(Jpn)**

[Detection of human circulating islet cell surface antibodies by dispersed rat pancreatic islet cells. II. The standard to estimate the results of the indirect immunofluorescence assay] Maruyama S, et al. **Rinsho Byori** 1983 Oct; 31(10):1111–6 **(Jpn)**

[Detection of human circulating islet cell surface antibodies by dispersed rat pancreatic islet cells (III). Examination of clinical significance] Maruyama S, et al. **Rinsho Byori** 1984 Mar;32(3):291–8 **(Jpn)**

[Detection of the circulating antibody against human islet cell membrane using isolated rat islet cells (1). Separation of the antigenic cells and fractionation of serum IgG] Maruyama S, et al. **Rinsho Byori** 1983 Sep;31(9):1006–11 **(Jpn)**

[Quantification of serum antibodies against liver cell membrane (anti–LM) in patients with liver diseases by ELISA—fixation of the antibody on a microplate using protein A and the significance of anti–LM detection] Tsuji T. **Rinsho Byori** 1983 Jun;31(6):641–5 **(Jpn)**

[Effect of transplacentally transferred gastric antibody on infant's gastric mucosa] Jogamoto M, et al. **Rinsho Ketsueki** 1983 Dec;24(12):1641–4 (Eng. Abstr.) **(Jpn)**

[Plasma exchange in the management of a patient with anti–L–asparaginase antibody] Sasaki T, et al. **Rinsho Ketsueki** 1983 Dec;24(12):1699–703 (Eng. Abstr.) **(Jpn)**

[Use of the circumlarval precipitation test for the diagnosis and epidemiological survey of trichinosis] Marinov R, et al. **Rev Ig [Bacteriol]** 1984 Jan–Mar;29(1):47–9 (Eng. Abstr.) **(Rum)**

[Incidence of antitoxoplasma antibodies in subjects with lymph node diseases] Stefănoiu V, et al. **Rev Ig [Bacteriol]** 1983 Oct–Dec;28(4):371–6 (Eng. Abstr.) **(Rum)**

[Effect of plasma substitute solutions on the immunologic indices of pregnant women with spontaneous abortions] Shcherbakova VV, et al. **Akush Ginekol (Mosk)** 1984 Mar; (3):68–71 (Eng. Abstr.) **(Rus)**

[Antitissue antibodies in patients with severe mechanical injury during the post–traumatic period] Red'kin IuV, et al. **Anesteziol Reanimatol** 1983 Jul–Aug;(4):44–7 (Eng. Abstr.) **(Rus)**

[Luminescence parameters of nuclear blood cells during the immune response process] Karnaukhova NA. **Biofizika** 1984 Mar–Apr;29(2):276–9 (Eng. Abstr.) **(Rus)**

[Evaluation of the effectiveness of the latex agglutination reaction and the passive hemagglutination reaction using different echinococcal diagnostic agents] Kuz'min IuA, et al. **Med Parazitol (Mosk)** 1984 May–Jun;(3):34–7 (Eng. Abstr.) **(Rus)**

[Antibodies to deoxyribonucleic acid and DNA–binding proteins in the blood sera of patients with Lamblia infection] Nurieva GB, et al. **Med Parazitol (Mosk)** 1983 Sep–Oct;(5):18–21 (Eng. Abstr.) **(Rus)**

[Lymphocytotoxic and antibrain antibodies in patients with systemic lupus erythematosus with nervous system involvement] Folomeeva OM, et al. **Ter Arkh** 1983; 55(7):28–32 (Eng. Abstr.) **(Rus)**

[Elaboration of erythrocyte preparations for antigen and antibody detection in the indirect hemagglutination test] Konikova RE, et al. **Tr Inst Pastera** 1981;56:13–31 (23 ref.) **(Rus)**

[Prognostic significance of antilymphocyte antibodies in a perivital kidney allograft] Savchenko NE, et al. **Urol Nefrol (Mosk)** 1984 Jul–Aug;(4):3–6 (Eng. Abstr.) **(Rus)**

[Significance of blocking antibodies in the mechanism of specific desensitization therapy in patients with diffuse neurodermatitis] Kalamkarian AA, et al. **Vestn Dermatol Venerol** 1984 May;(5):8–12 (Eng. Abstr.) **(Rus)**

[Experimental study of the response to exposure to permanent magnetic field (ultrastructural changes in the central nervous system neurons and various neuroimmune phenomena)] Matiushkin VA, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 Sep–Oct;(5):12–6 (Eng. Abstr.) **(Rus)**

[The incidence of antibodies against Echinococcus, Taeniarhyncus, Toxocara, Trichinella and Toxoplasma antigens in citizens of Cuba] Szilágyiová M, et al. **Cas Lek Cesk** 1983 Aug 19;122(32–33):1003–5 (Eng. Abstr.) **(Slo)**

[Incidence of the appearance of factor VIII inhibitor in patients with hemophilia A at the Hemophilia Center of the Clinical Hospital Center in Zagreb] Ficović P, et al. **Lijec Vjesn** 1983 Oct;105(10):410–1 (Eng. Abstr.) **(Slo)**

[Antiribonucleoprotein antibodies. Is it detection obliged for the diagnosis of mixed connective tissue disease? (letter)] Font J, et al. **Med Clin (Barc)** 1983 Jul 2;81(4):188 **(Spa)**

[Thyroid–stimulating antibodies in Graves' ophthalmopathy] Gómez Sáez JM, et al. **Med Clin (Barc)** 1983 Nov 26; 81(17):755–7 (Eng. Abstr.) **(Spa)**

[Antimelanin antibodies in vitiligo] Vignale RA, et al. **Med Cutan Iber Lat Am** 1983;11(4):271–6 (Eng. Abstr.) **(Spa)**

[Immunodiagnosis of human hydatidosis. Detection of anti–antigen 5 antibodies by the electrosyneresis test in cellulose acetate] Coltorti EA. **Medicina (B Aires)** 1983;43(6 Pt 1):625–8 (Eng. Abstr.) **(Spa)**

[Antithyroid antibodies and the iodine–potassium perchlorate test in school children with and without endemic goiter. Chronic thyroiditis as a cause of goiter?] Michaud P, et al. **Rev Med Chil** 1983 Oct;111(10):1029–32 (Eng. Abstr.) **(Spa)**

CEREBROSPINAL FLUID

CSF antibodies to myelin basic protein and to myelin–associated glycoprotein in multiple sclerosis. Evidence of the intrathecal production of antibodies. Wajgt A, et al. **Acta Neurol Scand** 1983 Nov;68(5):337–43 (22 ref.)

Devic's syndrome: antibody to glial fibrillary acidic protein in cerebrospinal fluid. Chou CH, et al. **Neurology (NY)** 1984 Jan;34(1):86–8

CLASSIFICATION

Homocytotropic and heterocytotropic activity of mouse IgG1 antibodies. Mota I, et al. **Int Arch Allergy Appl Immunol** 1983;72(3):199–205

Distinctive subpopulations of catfish serum antibody and immunoglobulin. Lobb CJ, et al. **Mol Immunol** 1983 Aug; 20(8):811–8

DIAGNOSTIC USE

A critical investigation of the Oxford tumour marker Ca1 in the histological diagnosis of breast cancer and pre–cancer. Simpson HW, et al. **Histopathology** 1984 May; 8(3):481–99

The use of alkaline–phosphatase–conjugated second antibody for the visualization of electrophoretically separated proteins recognized by monoclonal antibodies. Turner BM. **J Immunol Methods** 1983 Sep 30;63(1):1–6

[Observation of primary cutaneous amyloidosis by an immunoenzyme technic (PAP method)—negative anti–keratin antibody reaction of amyloid] Ishii M, et al. **Nippon Hifuka Gakkai Zasshi** 1983 Oct;93(11):1227–31 **(Jpn)**

[Staining of the cutaneous nervous system of man by anti–S–100 protein antibodies] Mori O, et al. **Nippon Hifuka Gakkai Zasshi** 1983 Oct;93(11):1241–3 **(Jpn)**

GENETICS

Human antibody genes. Evolutionary and molecular genetic perspectives. Ellison JW, et al. **Adv Hum Genet** 1983; 13:113–47 (148 ref.)

Molecular genetics of anti–carbohydrate antibodies. Perlmutter RM, et al. **Ann Immunol (Paris)** 1984 Jan–Feb; 135C(1):83–8

Helper activity for antibody synthesis encoded by mRNA extracted from human peripheral blood mononuclear cells. Sénik A, et al. **Biochem Biophys Res Commun** 1984 Mar 30;119(3):868–75

Human antibody genes in normal and abnormal lymphocytes. Rabbitts TH, et al. **Biochem Soc Trans** 1983 Aug;11(4):441

Genetic regulation of the class conversion of dsDNA–specific antibodies in (NZB X NZW)F1 hybrid. Kohno A, et al. **Immunogenetics** 1983;18(5):513–24

Subpopulations of antibodies to phosphocholine in human serum. Brown M, et al. **J Immunol** 1984 Mar;132(3):1323–8

Influence of genetic factors on the serum levels of antigliadin antibodies in celiac disease. Mearin ML, et al. **J Pediatr Gastroenterol Nutr** 1984 Jun;3(3):373–7

Assembly of functional antibodies from immunoglobulin heavy and light chains synthesised in E. coli. Boss MA, et al. **Nucleic Acids Res** 1984 May 11;12(9):3791–806

[Production of antithyroid hormone antibodies. 2. Genetic control of the production of anti–human thyroglobulin and antithyroid hormone antibodies in mice immunized with human thyroglobulin] Sakata S, et al. **Nippon Naibunpi Gakkai Zasshi** 1983 Nov 20; 59(11):1729–37 (Eng. Abstr.) **(Jpn)**

HISTORY

Recognition of antibodies as labeled globulins. Heidelberger M. **Ann NY Acad Sci** 1983;420:1–4

IMMUNOLOGY

Cytotoxic effects of islet cell surface antibodies. Hehmke B, et al. **Acta Biol Med Ger** 1982;41(12):1117–22

Induction of leukocyte adherence at the basement membrane zone with subsequent activation of their metabolic pathway by pemphigoid antibodies and complement. Iwatsuki K, et al. **Acta Derm Venereol (Stockh)** 1983;63(4):290–5

Pemphigus antibodies mediate the development of an inflammatory change in the epidermis. A possible mechanism underlying the feature of eosinophilic spongiosis. Iwatsuki K, et al. **Acta Derm Venereol (Stockh)** 1983;63(6):495–500

Reticulin antibodies in coeliac disease. Henker J, et al. **Acta Paediatr Hung** 1983;24(4):349–53

Lysis of sheep red cells in neat autologous serum as a source of antibody and complement. Borsos T, et al. **Acta Pathol Microbiol Immunol Scand [Suppl]** 1984;284:5–9

Effect of antibodies to light meromyosin on glycerinated muscle fibres and on actomyosin adenosinetriphosphatases. Szöör A, et al. **Acta Physiol Hung** 1983;61(1–2):69–75

Variables affecting the tumor localization of 131I–antiferritin in experimental hepatoma. Rostock RA, et al. **Am J Clin Oncol** 1984 Feb;7(1):9–18

Human monocyte interaction with antibody–coated platelets. I. General characteristics. Court WS, et al. **Am J Hematol** 1984 Oct;17(3):225–36

Cross–reactivity of eluted antibodies from renal tissues of patients with henoch–Schönlein purpura nephritis and IgA nephropathy. Tomino Y, et al. **Am J Nephrol** 1983 Nov–Dec;3(6):315–8

Experimental autoimmune glomerulonephritis induced by anti–glomerular basement membrane antibody. II. Effects of injecting heterologous, homologous, or autologous glomerular basement membranes and complete Freund's adjuvant into sheep. Steblay RW, et al. **Am J Pathol** 1983 Nov;113(2):125–33

Susceptibility of insect–borne, metacyclic forms of Trypanosoma cruzi to antibody–mediated mechanisms of destruction. Kierszenbaum F, et al. **Am J Trop Med Hyg** 1983 Nov;32(6):1236–41

Immunity to malarial antigens on the surface of Plasmodium falciparum–infected erythrocytes. Mendis KN, et al. **Am J Trop Med Hyg** 1983 Sep;32(5):926–30

Host defenses in murine malaria: humoral immunity to Plasmodium berghei in mice. Murphy JR, et al. **Am J Trop Med Hyg** 1984 May;33(3):347–56

Effects of serum from treated patients on antibody–dependent cell adherence to the infective larvae of Brugia malayi. Sim BK, et al. **Am J Trop Med Hyg** 1983 Sep;32(5):1002–12

Plasmodium falciparum strain–specific human antibody inhibits merozoite invasion of erythrocytes. Vernes A, et al. **Am J Trop Med Hyg** 1984 Mar;33(2):197–203

Bovine anaplasmosis: in utero transmission and the immunologic significance of ingested colostral antibodies. Zaugg JL, et al. **Am J Vet Res** 1984 Mar;45(3):440–3

Double immunocytochemical evidence for a clonal development of specific antibody–containing cells in the rabbit spleen. van Rooijen N, et al. **Anat Rec** 1984 Jul; 209(3):385–90

Anti–phosphorylcholine antibodies with a preferred reactivity for either PC or PC–phenyl represent independent expressions. Heusser CH, et al. **Ann Immunol (Paris)** 1984 Jan–Feb;135C(1):123–9

Human alpha–fetoprotein–rich fraction inhibits galactocerebroside antibody–mediated lysis of oligodendrocytes in vitro. Lubetzki–Korn I, et al. **Ann Neurol** 1984 Feb;15(2):171–80

A monoclonal antibody that recognizes anti–DNA antibodies in patients with systemic lupus. Diamond B, et al. **Ann NY Acad Sci** 1983;418:379–85

Induction of multi–specific antibodies to bovine serum albumin after production of anti–idiotype antibodies to an albumin–specific monoclonal antibody. Krieger NJ, et al.

Ann NY Acad Sci 1983;418:305–12

Idiotype connection between anti–arsonate and anti–dinitrophenyl responses in BALB/c mice. Lewis GK, et al. **Ann NY Acad Sci** 1983;418:282–9

The internal image of catecholamines: expression and regulation of a functional network. Lü BZ, et al. **Ann NY Acad Sci** 1983;418:240–7

Shared and nonshared idiotypes on rabbit anti–allotype antibodies. Metzger DW. **Ann NY Acad Sci** 1983;418:313–6

Antibody–specific regulation of primary and secondary B–cell responses. Pierce SK, et al. **Ann NY Acad Sci** 1983; 418:177–88

Cross–reactivity of anti–idiotypic antibodies as a tool to study nonimmunoglobulin proteins. Sege K. **Ann NY Acad Sci** 1983;418:248–56

Anti–idiotypic antibodies and autoantibodies. Zanetti M. **Ann NY Acad Sci** 1983;418:363–78

Protective effect of snake venom antibodies in sera of previous snake bite victims. Theakston RD, et al. **Ann Trop Med Parasitol** 1983 Jun;77(3):311–4

Suppression of the antibody response to sulfolipids in leprosy patients by 4,4'–diaminodiphenyl sulfone (DDS). Malik U, et al. **Antonie Van Leeuwenhoek** 1983 Dec;49(6):579–83

Anti–hapten antibodies and autoantibodies in Japanese patients with lepromatous leprosy. Furukawa F, et al. **Arch Dermatol Res** 1984;276(3):195–8

Effect of some chemical modifications of basic pancreatic trypsin inhibitor (BPTI) on its reaction with specific antibody. Prusak E, et al. **Arch Immunol Ther Exp (Warsz)** 1984;32(1):103–9

Granulocytotoxic antibodies in a patient with propylthiouracil–induced agranulocytosis. Guffy MM, et al. **Arch Intern Med** 1984 Aug;144(8):1687–8

Antibodies reactive with intermediate filament proteins: new tools for the pathologist. Nagle RB. **Ariz Med** 1984 Mar; 41(3):177–9

Demonstration of antibody and cellular immune response to brain extract in West and Lennox–Gastaut syndromes. Mota NG, et al. **Arq Neuropsiquiatr** 1984 Jun;42(2):126–31

Evaluation of risk factors associated with vascular thrombosis in women on oral contraceptives. Possible role of anti–sex steroid hormone antibodies. Beaumont V, et al. **Artery** 1983;11(5):331–44

Veno–occlusive disease in systemic lupus erythematosus: possible association with anticardiolipin antibodies? [letter] Hughes GR, et al. **Arthritis Rheum** 1984 Sep;27(9):1071

Cellular mechanism of DNA–specific antibody synthesis by lymphocytes from systemic lupus erythematosus patients. Takeuchi T, et al. **Arthritis Rheum** 1984 Jul;27(7):766–73

Subcellular location of polypeptides that react with anti–Sm and anti–RNP antibodies. Symington J, et al. **Biochem Biophys Res Commun** 1984 Apr 16;120(1):81–7

Measurement of antibody–dependent binding, proteolysis, and turnover of C1s on liposomal antigens localizes the fluidity–dependent step in C1 activation. Parce JW, et al. **Biochim Biophys Acta** 1983 Dec 7;736(1):92–8

Immunological comparison of antibodies to porcine zonae pellucidae in rats and rabbits. Drell DW, et al. **Biol Reprod** 1984 Mar;30(2):435–44

Glucagon antibodies alter Langerhans' islets. Fuchs U, et al. **Biomed Biochim Acta** 1984;43(5):691–3

Absence of cytotoxicity of islet cell surface antibodies in vivo despite complement–mediated cytotoxic effects to islet cells in vitro. Kohnert KD, et al. **Biomed Biochim Acta** 1984; 43(5):663–73

The effect of corticosteroids, dapsone and gold upon plasminogen activator synthesis and secretion by human epidermal cells cultured with pemphigus antibody. Hashimoto K, et al. **Br J Dermatol** 1984 Mar;110(3):293–7

Fractionation of human antibody to factor VIII:C: and IRMA for phospholipid binding sites on factor VIII C:Ag. Kemball–Cook G, et al. **Br J Haematol** 1984 Aug; 57(4):633–6

Occupational asthma from nickel sensitivity: II. Factors influencing the interaction of Ni2+, HSA, and serum antibodies with nickel related specificity. Nieboer E, et al. **Br J Ind Med** 1984 Feb;41(1):56–63

Quantitation of O6–ethyldeoxyguanosine in ENU alkylated DNA by polyclonal and monoclonal antibodies. Wani AA, et al. **Carcinogenesis** 1984 Sep;5(9):1145–50

The leader RNA of vesicular stomatitis virus is bound by a cellular protein reactive with anti–La lupus antibodies. Kurilla MG, et al. **Cell** 1983 Oct;34(3):837–45

Suppression of rabbit lymphocyte functions by antibodies specific for allotypic membrane determinants. Ohama Y, et al. **Cell Immunol** 1984 Jul;86(2):429–38

Diffuse pulmonary interstitial fibrosis. Evidence of humoral antibody mediated pathogenesis. Fan K, et al. **Chest** 1984 Feb;85(2):150–5

Effects of antisera raised against native and denatured human alpha–glucosidase and beta–hexosaminidases on native enzyme activity. Besançon AM, et al. **Clin Chim Acta** 1984 Jul 31;140(3):239–46

A serum antibody in patients with rheumatoid arthritis stimulates cathepsin B activity in peritoneal mouse macrophages. Ostensen M, et al. **Clin Exp Immunol** 1983 Nov;54(2):397–404

The role of antibody and complement in the cellular response to Trypanosoma congolense. Schmitz B, et al. **Clin Exp Immunol** 1984 Apr;56(1):73–80

Failure of R1 type anti–reticulin antibody to react with fibronectin, collagen type III or the non–collagenous reticulin component (NCRC). Unsworth DJ, et al. **Clin Exp Immunol** 1984 Sep;57(3):609–13

Glomerular and vascular IgG deposits in HgCl2 nephritis: role of circulating antibodies and of immune complexes. Houssin D, et al. **Clin Immunol Immunopathol** 1983 Nov; 29(2):167–80

The mechanisms of destruction of antibody–altered cells. Rosse WF. **Clin Lab Med** 1982 Mar;2(1):211–9

Nonreaginic anaphylactic and/or blocking antibodies: introduction. Halpern GM. **Clin Rev Allergy** 1983 Jun; 1(2):179–81

Nonreaginic anaphylactic and/or blocking antibodies: conclusion. Halpern GM. **Clin Rev Allergy** 1983 Jun; 1(2):303–8

Interactions of food antigens, antibodies, and antigen–antibody complexes in health and disease. Paganelli R, et al. **Clin Rev Allergy** 1984 Feb;2(1):69–78 (55 ref.)

Clinical relevance of antikeratin antibodies in rheumatoid arthritis. Miossec P, et al. **Clin Rheumatol** 1982 Sep; 1(3):185–9

Characterization of a human anti–hCG antiserum: a proposed standard for laboratories involved with the development of hCG vaccines. Thau RB, et al. **Contraception** 1983 Jun; 27(6):627–37

Thermodynamics of hapten–antibody interactions. Mukkur TK. **CRC Crit Rev Biochem** 1984;16(2):133–67 (79 ref.)

Characterization of the serum from a patient with insulin resistance and hypoglycemia. Evidence for multiple populations of insulin receptor antibodies with different receptor binding and insulin–mimicking activities. De Pirro R, et al. **Diabetes** 1984 Mar;33(3):301–4

Islet cell cytoplasmic antibodies in Macaca nigra. Howard CF Jr, et al. **Diabetes** 1984 Mar;33(3):219–23

A prospective analysis of islet–cell cytotoxic antibodies in insulin–dependent diabetic children. Transient effects of plasmapheresis. Rabinovitch A, et al. **Diabetes** 1984 Mar; 33(3):224–8

Adhesion–blocking antibodies prepared against gp150 react with gp80 of Dictyostelium. Loomis WF, et al. **Exp Cell Res** 1983 Aug;147(1):231–4

Prevalence of islet cell antibodies (ICA) and islet cell surface antibodies (ICSA) in children and adolescents with antecedent mumps infection). Ratzmann KP, et al. **Exp Clin Endocrinol** 1984 Apr;83(2):199–202

Antibodies from patients with liver diseases and from normal human or animal sera against glutaraldehyde–polymerized albumins: lack of species specificity. Călugăru A, et al. **Experientia** 1983 Oct 15;39(10):1139–41

Antibodies to human spermatozoa impede sperm penetration of cervical mucus or hamster eggs. Alexander NJ. **Fertil Steril** 1984 Mar;41(3):433–9

Prevention of monkey sperm penetration of zona–free hamster ova by sperm antibody obtained from vasectomized cynomolgus monkeys. Hoffman ML, et al. **Fertil Steril** 1984 Jul;42(1):108–11

Diverse humoral and cell–mediated effects of antisperm antibodies on reproduction. London SN, et al. **Fertil Steril** 1984 Jun;41(6):907–12

Relationship between genital tract infections, sperm antibodies in seminal fluid, and infertility. Witkin SS, et al. **Fertil Steril** 1983 Dec;40(6):805–8

Antibodies to alcohol altered liver cell determinants in patients with alcoholic liver disease. Neuberger J, et al. **Gut** 1984 Mar;25(3):300–4

Use of antibodies to intermediate filaments in the diagnosis of metastatic amelanotic malignant melanoma. Huszar M, et al. **Hum Pathol** 1983 Nov;14(11):1006–8

Defence of mucous membranes by antibodies, receptor analogues and non–specific host factors. Hanson LA, et al. **Infection** 1984 Mar–Apr;12(2):111–5

Autoimmune thyroid disease—antibodies that promote thyroid growth. Fine RM. **Int J Dermatol** 1984 Jun; 23(5):314–5

Distribution of and physiologic factors that affect 131I–antiferritin tumor localization in experimental hepatoma. Rostock RA, et al. **Int J Radiat Oncol Biol Phys** 1984 Jul;10(7):1135–41

Mouse antibodies to the insulin receptor developing spontaneously as anti–idiotypes. II. Effects on glucose homeostasis and the insulin receptor. Elias D, et al. **J Biol Chem** 1984 May 25;259(10):6416–9

Construction of fusogenic vesicles bearing specific antibodies. Targeting of reconstituted Sendai virus envelopes towards neuraminidase–treated human erythrocytes. Gitman AG, et al. **J Biol Chem** 1984 Aug 10;259(15):9813–20

Size heterogeneity of the largest subunit of nuclear RNA polymerase II. An immunological analysis. Guilfoyle TJ, et al. **J Biol Chem** 1984 Jan 10;259(1):649–53

Mouse antibodies to the insulin receptor developing spontaneously as anti–idiotypes. I. Characterization of the antibodies. Shechter Y, et al. **J Biol Chem** 1984 May 25; 259(10):6411–5

Analysis of metastatic spread and growth of tumor cells in mice with depressed natural killer activity by anti–asialo GM1 antibody or anticancer agents. Saijo N, et al. **J Cancer Res Clin Oncol** 1984;107(3):157–63

Biochemical studies on the excitable membrane of paramecium tetraurelia. IX. Antibodies against ciliary membrane proteins. Eisenbach L, et al. **J Cell Biol** 1983 Nov;97(5 Pt 1):1412–20

Antibodies to the ciliary membrane of Paramecium tetraurelia alter membrane excitability. Ramanathan R, et al. **J Cell Biol** 1983 Nov;97(5 Pt 1):1421–8

Characterization of antihuman chorionic gonadotropin serum antibody appearing after ovulation induction. Braunstein GD, et al. **J Clin Endocrinol Metab** 1983 Dec;57(6):1164–72

Inhibition of insulin release after passive transfer of immunoglobulin from insulin–dependent diabetic children to mice. Svenningsen A, et al. **J Clin Endocrinol Metab** 1983 Dec;57(6):1301–4

Relationship between systemic lupus erythematosus T cell subsets, anti–T cell antibodies, and T cell functions. Morimoto C, et al. **J Clin Invest** 1984 Mar;73(3):689–700

Enzyme–linked immunosorbent assays based on polyclonal and monoclonal antibodies for rotavirus detection. Beards GM, et al. **J Clin Microbiol** 1984 Feb;19(2):248–54

Evaluation of the Ca 1 antibody in the diagnosis of invasive breast cancer. Clough DG, et al. **J Clin Pathol** 1984 Jan; 37(1):10–3

Suppressor T cell activity and antibodies to alcohol altered hepatocytes [letter] Pons Romero F, et al. **J Clin Pathol** 1984 May;37(5):598

Fibronectin enhances the opsonic and protective activity of monoclonal and polyclonal antibody against group B streptococci. Hill HR, et al. **J Exp Med** 1984 Jun 1; 159(6):1618–28

Galactan–binding antibodies. Diversity and structure of idiotypes. Rudikoff S, et al. **J Exp Med** 1983 Nov 1; 158(5):1385–400

Antigens of Dirofilaria immitis which are immunogenic in the canine host: detection by immuno–staining of protein blots with the antibodies of occult dogs. Boto WM, et al. **J Immunol** 1984 Aug;133(2):975–80

A simple general method of exactly comparing different binding activities and antigenic properties of antibodies by obtaining duplicate copies from a single isoelectric focusing gel. Friedenson B, et al. **J Immunol Methods** 1984 Mar 16;67(2):235–42

Excess antibody immunoassay for rat glandular kallikrein. Measurement of kallikrein complexed with inhibitors and in plasma. Johansen L, et al. **J Immunol Methods** 1984 Apr 27;69(2):253–66

A novel radioimmunoassay for human erythropoietin using a synthetic NH2–terminal polypeptide and anti–peptide antibodies. Sytkowski AJ, et al. **J Immunol Methods** 1984 Apr 27;69(2):181–6

Experimental bullous pemphigoid in guinea pigs: the role of pemphigoid antibodies, complement, and migrating cells. Naito K, et al. **J Invest Dermatol** 1984 Mar;82(3):227–30

Myasthenia gravis. Antibodies to skeletal muscle cell surface antigens. Gilhus NE, et al. **J Neuroimmunol** 1983 Dec; 5(3):239–49

Immunohistochemical study with an anti–myelin serum. A marker for all glial cells except 'dark' oligodendrocytes. Roussel G, et al. **J Neuroimmunol** 1983 Dec;5(3):209–26

Role of antibody in the elimination of trypanosomes after DL–alpha–difluoromethylornithine chemotherapy. de Gee AL, et al. **J Parasitol** 1983 Oct;69(5):818–22

Thyroid stimulating immunoglobulins. The Watson Smith lecture 1983. Munro DS. **J R Coll Physicians Lond** 1984 Jul;18(3):155–60 (70 ref.)

Fulminant fatal myositis associated with anti–ribonucleoprotein and anti–SM antibodies. Lichtenstein MJ, et al. **J Tenn Med Assoc** 1984 Jan; 77(1):9–11

Spontaneously acquired anti–factor VIII antibodies: report of a patient with adenocarcinoma of the prostate. Preminger GM, et al. **J Urol** 1984 Jun;131(6):1182–4

Failure of activated prothrombin complex concentrates in a hemophiliac with an anti–factor VIII antibody. Blatt PM, et al. **JAMA** 1984 Jan 6;251(1):67

Tumor selection in vivo for reduced sensitivity to natural resistance and natural antibodies. Chow DA. **JNCI** 1984 Feb;72(2):339–46

Maternal blocking antibodies, the fetal allograft, and recurrent abortion. **Lancet** 1983 Nov 19;2(8360):1175–6

Antibodies to spiroperidol and their anti–idiotypes as probes for studying dopamine receptors. Schreiber M, et al. **Life Sci** 1983 Oct 10;33(15):1519–26

Protective effects of various compounds on lysis of antibody–coated sheep erythrocytes by hypotonic shock or complement. Müller–Peddinghaus R, et al. **Methods Find Exp Clin Pharmacol** 1984 Jun;6(6):287–92

Specificity of antibody and helper T–cell responses to the isologous myeloma protein W3129 and its subunits. Bogen B, et al. **Mol Immunol** 1984 Jul;21(7):653–61

The effect of alternate substrates and substrate concentration on the antibody–mediated inhibition of horseradish peroxidase. Clark SK Jr, et al. **Mol Immunol** 1983 Dec; 20(12):1379–84

Antisera against catecholamines: specificity studies and physicochemical data for anti–dopamine and anti–p–tyramine antibodies. Geffard M, et al. **Mol Immunol** 1984 Jun;21(6):515–22

Effect of specific antibodies on acetylcholine receptor turnover: increased degradation controls low density of cell surface receptor. Sher E, et al. **Neurology (NY)** 1984 Feb;34(2):208–11

Transition of precipitating antibodies against antigens from adult flukes and metacercariae of Fasciola sp. in the infected rabbits. Yoshihara S, et al. **Nippon Juigaku Zasshi** 1983 Jun;45(3):431–4

Accumulation of radioactively labeled antithyroglobulin antibody by thyroid carcinoma. Hirayu H, et al.

Oncodev Biol Med 1983;4(6):C63–70

Localizing properties of antibody to alphafetoprotein (AFP) to AFP-producing tumor cells. Kono K, et al. **Oncodev Biol Med** 1983;4(6):C87–94

Immunological characterization and possible origin of plasminogen activator in human tear fluid. Thörig L, et al. **Ophthalmic Res** 1983;15(5):268–76

Dental management of the classic hemophiliac with inhibitors. Redding SW, et al. **Oral Surg** 1983 Aug; 56(2):145–8

Antibody-dependent ingestion of P. falciparum merozoites by human blood monocytes. Khusmith S, et al. **Parasite Immunol** 1983 Jul;5(4):357–68

The study of molecular functions of the transforming protein PP60SRC of Rous sarcoma virus by the use of monospecific antibodies. Bauer H, et al. **Prog Clin Biol Res** 1983;132B:19–33

Immune haemolytic anaemia associated with ampicillin dependent warm antibodies and high titre cold agglutinins in a patient with Mycoplasma pneumonia. Mickley H, et al. **Scand J Haematol** 1984 Mar;32(3):323–6

Inhibition of in vitro growth of Plasmodium falciparum by purified antimalarial human IgG antibodies. Isolation of target antigens from culture supernatants. Jepsen S. **Scand J Immunol** 1983 Dec;18(6):567–71

Heterogeneity of human procoagulant factor VIII (VIIIC) antibodies in their reaction with factor VIII related antigen (VIIIRAG). Furlong RA, et al. **Thromb Res** 1984 Jun 1; 34(5):379–87

Factor VIII inhibitor treatment with high doses of F VIII. Stenbjerg S, et al. **Thromb Res** 1984 Jun 15;34(6):533–9

Antibodies directed against HLA-DR gene products exhibit the CYNAP phenomenon. Gebel HM, et al. **Tissue Antigens** 1984 Mar;23(3):135–40

Target sites for antibodies and cytotoxic T lymphocytes on H-2 molecules. Rüsch E, et al. **Transplant Proc** 1983 Dec; 15(4):2093–6

Enhancement of rat kidney allografts using haptenated alloantigens and antihapten antibody. Barber WH, et al. **Transplantation** 1983 Nov;36(5):475–9

Absence of requirement for polymorphonuclear granulocytes in the acute antibody-mediated rejection of murine skin allografts. Bogman MJ, et al. **Transplantation** 1984 Apr; 37(4):402–5

New approaches to donor crossmatching and successful transplantation of highly sensitized patients. Delmonico FL, et al. **Transplantation** 1983 Dec;36(6):629–33

Successful kidney transplantation after loss of specific antidonor HLA antibodies. Schweizer RT, et al. **Transplantation** 1983 Dec;36(6):731–2

H-Y antibodies recognize the H-Y transplantation antigen. Wachtel GM, et al. **Transplantation** 1984 Jan;37(1):8–13

Immunocytochemical studies on several developmental stages of Dipetalonema viteae (Filarioidea). Prüsse A, et al. **Tropenmed Parasitol** 1983 Sep;34(3):169–73

Characterization of B-cell non-Hodgkin's lymphomas. A study using a panel of monoclonal and heterologous antibodies. van der Valk P, et al. **Virchows Arch [A]** 1983; 401(3):289–305

Insulin binding sites induced in the Tetrahymena by rat liver receptor antibody. Csaba G, et al. **Z Naturforsch [C]** 1984 Jan-Feb;39(1-2):183–5

Rat mononuclear cells and neutrophils are more effective than eosinophils in antibody-mediated stage-specific killing of Trichinella spiralis in vitro. Ruitenberg EJ, et al. **Z Parasitenkd** 1983;69(6):807–15

[Sterility of immunologic origin] De Muylder X, et al. **Can Med Assoc J** 1984 May 15;130(10):1296–301 (Eng. Abstr.) **(Fre)**

[Entamoeba histolytica: II. Effect of humoral immune mechanisms on cytotoxic activity] Hudler H, et al. **Tropenmed Parasitol** 1984 Mar;35(1):5–8 (Eng. Abstr.) **(Ger)**

[Subacute idiopathic polymyositis with rare antiribosomal antibodies in the serum – clinical course during immunosuppressive long-term therapy] Göpel W, et al. **Z Gesamte Inn Med** 1983 Oct 1;38(19):518–24 (Eng. Abstr.) **(Ger)**

[Clinical significance of anti-DNA antibodies] Shoenfeld Y, et al. **Harefuah** 1983 Dec 1;105(11):371–3 **(Heb)**

[Immunofluorescent staining properties of amyloid substance in primary localized cutaneous amyloidosis using anti-keratin antibody] Yoneda K, et al. **Nippon Hifuka Gakkai Zasshi** 1984 Feb;94(2):151–5 **(Jpn)**

[Nature of the inhibitory serum factor in mice injected with isologous antibodies conjugated with cellulose] Rubakova EI, et al. **Biull Eksp Biol Med** 1983 Dec;96(12):65–7 (Eng. Abstr.) **(Rus)**

[Serological studies in patients with chronic Chagas' disease] Carbonetto CH, et al. **Medicina (B Aires)** 1983;43(2):131–6 (Eng. Abstr.) **(Spa)**

[Immunologic study of the infertile male] Mazzolli AB, et al. **Medicina (B Aires)** 1983;43(3):241–9 (Eng. Abstr.) **(Spa)**

[Immunoprotection in rats by cultured epimastigotes of Trypanosoma cruzi] Rodríguez AM, et al. **Medicina (B Aires)** 1983;43(4):383–90 (Eng. Abstr.) **(Spa)**

ISOLATION & PURIFICATION

Microisolation of DABITC-derivatized protein by gel electrophoresis: application to the purification of antibody heavy and light chains. Aebersold R, et al. **Anal Biochem** 1984 Feb;136(2):465–9

Characteristics of antibodies to the epidermal growth factor receptor-kinase. Stoscheck CM, et al. **Arch Biochem Biophys** 1983 Dec;227(2):457–68

Antibodies to a synthetic peptide corresponding to the N-terminal end of mouse gamma interferon (IFN gamma). Langford MP, et al. **Biochem Biophys Res Commun** 1983 Dec 28;117(3):866–71

Human liver lysosomal alpha-glucosidase modified by chemical galactosylation and isolation of specific antibodies. Belenky DM. **Biochim Biophys Acta** 1984 May 17;786(3):197–203

Affinity chromatography of antibodies directed against soybean lipoxygenase-1 and -2 and an enzyme-linked immunosorbent assay (ELISA) for antibodies and lipoxygenases. Vernooy-Gerritsen M, et al. **Biochim Biophys Acta** 1983 Oct 17;748(1):148–52

The human platelet receptor(s) for quinine/quinidine-dependent antibodies. Kunicki TJ, et al. **Blood Cells** 1983;9(2):293–301

Characterization of anti-N-acetyl-D-glucosamine antibodies elicited through haptenated liposomes. Das MK, et al. **Carbohydr Res** 1984 Jun 1;128(2):335–40

Antibody to rabbit macrophage type V collagenase/gelatinase and its use to further characterize the enzyme. Mainardi CL, et al. **Coll Relat Res** 1984 May; 4(3):209–17

Pneumococcal cell wall phosphorylcholine elicits polyclonal antibody secretion in mice. Bach MA, et al. **Eur J Immunol** 1984 Jul;14(7):589–94

Antibodies to dpApT sequence: purification & studies on their specificity & affinity to different ligands. Reddy MV, et al. **Indian J Biochem Biophys** 1983 Aug;20(4):183–7

In vitro culture as a source of Plasmodium falciparum antigen in micro-ELISA in malaria. Ray K, et al. **Indian J Med Res** 1983 Aug;78:205–9

Antiactin and antitubulin antibodies in canine visceral leishmaniasis. Pateraki E, et al. **Infect Immun** 1983 Nov; 42(2):496–500

A new method for purification of anti-glycosphingolipid antibody. Avian anti-hematoside (NeuGc) antibody. Hirabayashi Y, et al. **J Biochem (Tokyo)** 1983 Jul; 94(1):327–30

Anti-protein kinase NII antibodies in rheumatic autoimmune diseases. Stetler DA, et al. **J Biol Chem** 1984 Feb 25; 259(4):2077–9

Identification, developmental regulation, and response to heat shock of two antigenically related forms of a major nuclear envelope protein in Drosophila embryos: application of an improved method for affinity purification of antibodies using polypeptides immobilized on nitrocellulose blots. Smith DE, et al. **J Cell Biol** 1984 Jul;99(1 Pt 1):20–8

Simple method for development of sensitive and specific antiinsulin antisera for laboratory use. Havrankova J, et al. **J Immunoassay** 1984;5(1-2):131–44

Rapid method of extraction of antibodies from hen egg yolk. Bade H, et al. **J Immunol Methods** 1984 Sep 4;72(2):421–6

Characterization of a specific anti-human urokinase antibody: development of a sensitive competition radioimmunoassay for urokinase antigen. Huber K, et al. **J Lab Clin Med** 1984 May;103(5):684–94

Affinity-purified antibody as a probe of RNA polymerase II subunit structure. Robbins A, et al. **J Mol Appl Genet** 1984;2(4):343–53

[Detection of antibodies against ovum antigens in Schistosoma mansoni bilharziasis] Tribouley J, et al. **Bull Soc Pathol Exot Filiales** 1983 Nov;76(5):514–25 (Eng. Abstr.) **(Fre)**

[Obtaining highly purified fibrinogen preparations and fibrinogen antibodies] Zorin NA, et al. **Gematol Transfuziol** 1983 Aug;28(8):61–3 **(Rus)**

[Erythrocyte diagnostic agents from pure antibodies] Noskov FS, et al. **Tr Inst Pastera** 1981;56:3–12 (6 ref.) **(Rus)**

METABOLISM

Islet cell surface antibodies in spontaneously diabetic BB rats. Dyrberg T, et al. **Acta Biol Med Ger** 1982;41(12):1105–9

Retrograde axonal transport of antibodies to synaptic membrane components. Wenthold RJ, et al. **Brain Res** 1984 Jun 18;304(1):162–5

[Dissociation, by chloroquine, of antibodies bound to the erythrocyte membrane] Oyonarte S, et al. **Sangre (Barc)** 1983;28(6):731–7 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

Enhanced N-acylation of palmitic acid in sphingomyelin of antibody-stimulated L cells. Ulrich RG, et al. **Biochem Biophys Res Commun** 1984 Jun 15;121(2):605–11

Modulation of metabolism of cytosine arabinoside in L cells by antibody and complement. Shearer WT, et al. **Immunopharmacology** 1983 Oct;6(3):203–14

Staphylococcus aureus protein A antibody-mediated haemagglutination assay. A study on the interaction between protein A-bound specific antibodies and red-cell-bound specific antigens. Jagannath C, et al. **Int Arch Allergy Appl Immunol** 1984;73(4):296–302

[Effect of antibody to rat alpha-fetoprotein (AFP) on protein and DNA synthesis of rat ascites hepatoma AH66 cells] Ohkawa K, et al. **Gan To Kagaku Ryoho** 1984 Feb; 11(2):227–34 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

The similarity between tuftsin (Thr-Lys-Pro-Arg) receptors and tuftsin antibody: a case of induced molecular mimicry. Chaudhuri MK, et al. **Ann NY Acad Sci** 1983;419:135–42

Passage of host serum components, including antibodies specific for Theileria sergenti, across the digestive tract of argasid and ixodid ticks. Fujisaki K, et al. **Ann Trop Med Parasitol** 1984 Aug;78(4):449–50

Binding of anti-acetylcholine receptor antibodies inhibits the acetylcholine receptor mediated cation flux. Gonzalez-Ros JM, et al. **Biochem Biophys Res Commun** 1984 Apr 30; 120(2):368–75

Antibodies as specific renin inhibitors: studies with polyclonal and monoclonal antibodies and Fab fragments. Dzau VJ, et al. **Clin Exp Hypertens [A]** 1983;5(7-8):1207–20

Role of islet cell antibodies in the pathogenesis of type I diabetes. Brogren CH, et al. **Curr Probl Clin Biochem** 1983; 12:65–85 (52 ref.)

Anchorage and lymphocyte function. Antibodies as adhesion and spreading factors for human T lymphocytes. Wanger L, et al. **Immunology** 1984 Jul;52(3):519–23

Antibodies to interleukin 2. Effects on immune responses in vitro and in vivo. Granelli-Piperno A, et al. **J Exp Med** 1984 Sep 1;160(3):738–50

Neutralization of the infectivity of sporozoites of Plasmodium knowlesi by antibodies to a synthetic peptide. Gysin J, et al. **J Exp Med** 1984 Sep 1;160(3):935–40

Naturally occurring anti-interferon antibodies in Lou/c rats. De Maeyer-Guignard J, et al. **J Immunol** 1984 Aug; 133(2):775–8

Regenerative capacity of the goldfish visual system is affected by antibodies specific to gangliosides injected intraocularly. Spirman N, et al. **J Neuroimmunol** 1984 Jun;6(3):197–207

The production of antibodies which function like enzymes and the treatment of hereditary diseases. Korkut E. **Med Hypotheses** 1984 May;14(1):27–8

Antibodies that promote thyroid growth. A distinct population of thyroid-stimulating autoantibodies. Valente WA, et al. **N Engl J Med** 1983 Oct 27;309(17):1028–34

The role of antibody and complement in the reticuloendothelial clearance of pneumococci from the bloodstream. Brown EJ, et al. **Rev Infect Dis** 1983 Sep-Oct; 5 Suppl 4:S797–805 (20 ref.)

The role of antibody in the activation of the alternative complement pathway. Ratnoff WD, et al. **Springer Semin Immunopathol** 1983;6(4):361–71 (54 ref.)

[The function of antibodies] Morell A. **Beitr Infusionther Klinis Ernahr** 1983;11:1–5 **(Ger)**

STANDARDS

Antibody levels in reduced/alkylated intravenous immune globulin. Rousell RH, et al. **Am J Med** 1984 Mar 30; 76(3A):40–5

THERAPEUTIC USE

[Analysis of antibiotic therapy in 500-bed hospital: indications, administration and possibilities of cost reduction] Schaefer K, et al. **Schweiz Med Wochenschr** 1983 Nov 19;113(46):1714–9 (Eng. Abstr.) **(Ger)**

ANTIBODIES, ALLOTYPIC see **IMMUNOGLOBULIN ALLOTYPES**

ANTIBODIES, ANTINUCLEAR see **ANTINUCLEAR FACTORS**

ANTIBODIES, BACTERIAL

Detection of mycoplasma contamination lymphoblastoid cell lines by monoclonal antibodies. Radka SF, et al. **Hum Immunol** 1984 Feb;9(2):111–6

Resistance of bovine colostral anti-cholera toxin antibody to in vitro and in vivo proteolysis. McClead RE, et al. **Infect Immun** 1984 May;44(2):474–8

Characterization of the cytochrome d terminal oxidase complex of Escherichia coli using polyclonal and monoclonal antibodies. Kranz RG, et al. **J Biol Chem** 1984 Jun 25;259(12):7998–8003

Interaction between the legionnaires' disease bacterium (Legionella pneumophila) and human alveolar macrophages. Influence of antibody, lymphokines, and hydrocortisone. Nash TW, et al. **J Clin Invest** 1984 Sep; 74(3):771–82

Protective efficacy of hybridoma type-specific antibody against experimental infection with group-B Streptococcus. Shigeoka AO, et al. **J Infect Dis** 1984 Mar; 149(3):363–72

Antibody-coated bacteria in ejaculate in bacterial prostatitis. Riedasch G, et al. **Urology** 1984 Mar;23(3):252–5

ADMINISTRATION & DOSAGE

Comparative anti-Pseudomonas aeruginosa activity of chemically modified and native immunoglobulin G (human), and potentiation of antibiotic protection against Pseudomonas aeruginosa and group B Streptococcus in vivo. Collins MS, et al. **Am J Med** 1984 Mar 30; 76(3A):155–60

Protective activity of an intravenous immune globulin (human) enriched in antibody against lipopolysaccharide

antigens of Pseudomonas aeruginosa. Collins MS, et al. **Am J Med** 1984 Mar 30;76(3A):168–74

Anti-Pseudomonas immunoglobulin. III. Preliminary clinical evaluation. Sakiel S, et al. **Arch Immunol Ther Exp (Warsz)** 1983;31(4):517–21

ANALYSIS

Experimental study of enzyme-linked immunosorbent assay (ELISA) for detection of Q fever antibody. Ying PK, et al. **Acta Acad Med Wuhan** 1983;3(3):137–42

Diagnostic experience in two cases of legionellosis. Bán E, et al. **Acta Microbiol Hung** 1984;31(1):35–41

Immunoserology of Pseudomonas aeruginosa infections in man. II. effect of natural and immune anti-LPS antibodies on pseudomonas colonization and infection. Petrás G, et al. **Acta Microbiol Hung** 1984;31(2):101–8

Serial determination of complement and specific antibody titres in Pseudomonas aeruginosa infection. Petrás G, et al. **Acta Microbiol Hung** 1984;31(2):141–51

Immunoserology of Pseudomonas aeruginosa infections in man. III. Site of infection, duration of the presence of Pseudomonas aeruginosa and antibody response. Petrás G, et al. **Acta Microbiol Hung** 1984;31(2):109–16

Immunoserology of Pseudomonas aeruginosa infections in man. I. Four types of interaction between host and bacterium. Petrás G, et al. **Acta Microbiol Hung** 1984; 31(2):91–100

Antibodies to Escherichia coli O antigens and the in-vitro bacteriostatic properties of human milk and its IgA. Dolby JM, et al. **Acta Paediatr Scand** 1983 Jul;72(4):577–82

In-vivo immune responses of breast- and bottle-fed infants to tetanus toxoid antigen and to normal gut flora. Stephens S, et al. **Acta Paediatr Scand** 1984 Jul;73(4):426–32

Immunoglobulin concentrations and bacterial antibody titres in breast milk from mothers of 'preterm' and 'term' infants. Suzuki S, et al. **Acta Paediatr Scand** 1983 Sep;72(5):671–7

Solid-phase radioimmunoassay of immunoglobulin G antibodies to Staphylococcus aureus peptidoglycan in patients with staphylococcal infections. Christensson B, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1983 Dec; 91(6):401–6

Comparison of enzyme-linked immunosorbent assay and radioimmunoassay for determination of anti-pneumococcal polysaccharide antibodies. Pedersen FK, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1983 Aug; 91(4):251–5

Immunoglobulin classes and persistence of anti-pneumococcal antibodies in splenectomized adults and adolescents after pneumococcal vaccination. Pedersen FK, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1983 Aug; 91(4):245–9

In vivo effect of polymyxin B on pertussis vaccine. Larter WE, et al. **Am J Dis Child** 1984 Mar;138(3):281–3

Antibody responses to meningococcal polysaccharide vaccine in adults without a spleen. Ruben FL, et al. **Am J Med** 1984 Jan;76(1):115–21

Rapidly progressive glomerulonephritis in a patient with syphilis. Identification of antitreponemal antibody and treponemal antigen in renal tissue. Walker PD, et al. **Am J Med** 1984 Jun;76(6):1106–12

Status of immunity of newborns against Yersinia enterocolitica: a preliminary report. Chiesa C, et al. **Am J Med Sci** 1984 Mar–Apr;287(2):18–20

Persistence of protective pneumococcal antibody following vaccination in patients with the nephrotic syndrome. Tejani A, et al. **Am J Nephrol** 1984 Jan–Feb;4(1):32–7

The relationship of maternal antibody levels to post-cesarean section endometritis. Grunebaum AN, et al. **Am J Obstet Gynecol** 1983 Dec 15;147(8):919–22

Diagnostic criteria for scrub typhus: probability values for immunofluorescent antibody and Proteus OXK agglutinin titers. Brown GW, et al. **Am J Trop Med Hyg** 1983 Sep; 32(5):1101–7

Rickettsial antibody prevalence in southern Israel: IgG antibodies to Coxiella burnetii, Rickettsia typhi, and spotted fever group rickettsiae among urban- and rural-dwelling and Bedouin women. Gross EM, et al. **Am J Trop Med Hyg** 1983 Nov;32(6):1387–91

Hemolysis in gel test for detection of bovine antibodies to Brucella abortus: comparison of antigens and test modifications. Dillender MJ, et al. **Am J Vet Res** 1984 Jun; 45(6):1222–4

Serologic diagnosis of infectious cyclic thrombocytopenia in dogs using an indirect fluorescent antibody test. French TW, et al. **Am J Vet Res** 1983 Dec;44(12):2407–11

Indirect immunoperoxidase test for the diagnosis of paratuberculosis. Nguyen HT, et al. **Am J Vet Res** 1983 Nov;44(11):2173–4

Brucella antibody identification [letter] Nielsen K. **Am J Vet Res** 1983 Aug;44(8):1612

Evaluation of various serotests to detect antibodies in ponies and horses infected with contagious equine metritis bacteria. Sahu SP, et al. **Am J Vet Res** 1983 Aug; 44(8):1405–9

Enzyme-linked immunosorbent assay for detection of bovine immunoglobulin G1 antibody to a protoplasmic antigen of Mycobacterium paratuberculosis. Yokomizo Y, et al. **Am J Vet Res** 1983 Nov;44(11):2205–7

Prevalence of antibodies to Mycoplasma hyopneumoniae in Iowa swine. Young TF, et al. **Am J Vet Res** 1983 Oct; 44(10):1946–8

MPB70, a unique antigen of Mycobacterium bovis BCG. Harboe M, et al. **Am Rev Respir Dis** 1984 Mar; 129(3):444–52

Immune responses in yersinia-associated reactive arthritis. Aho K, et al. **Ann Rheum Dis** 1979;38 Suppl 1:suppl 123–6

Guidelines for the use of the teichoic acid antibody assay [editorial] Sheagren JN. **Arch Intern Med** 1984 Feb; 144(2):250–2

Commercially available (ENDO-STAPH) assay for teichoic acid antibodies. Evaluation in patients with serious Staphylococcus aureus infections and in controls. Wheat J, et al. **Arch Intern Med** 1984 Feb;144(2):261–4

Natural antibodies in man to a protein antigen from the bacterium Streptococcus mutans related to dental caries experience. Challacombe SJ, et al. **Arch Oral Biol** 1984; 29(3):179–84

Human serum precipitins to oral bacteria related to dental caries. Levine M, et al. **Arch Oral Biol** 1984;29(3):191–4

ELISA in the Q fever diagnosis. Crăcea E, et al. **Arch Roum Pathol Exp Microbiol** 1983 Oct-Dec; 42(4):283–8

Attempts for determining the infecting serogroup by means of agglutinin absorption from the leptospirosis patients' sera. Nicolescu M, et al. **Arch Roum Pathol Exp Microbiol** 1983 Oct-Dec; 42(4):249–54

Enzyme-linked immunoassays for antibodies against Vibrio cholerae. Cooper GN, et al. **Aust J Exp Biol Med Sci** 1983 Dec;61 (Pt 6):713–25

Comparison of different antigenic preparations for the detection of ovine serum antibodies against Brucella ovis by ELISA. Chin JC. **Aust Vet J** 1983 Sep;60(9):261–4

Fluctuations in antibody levels in infection with Treponema pertenue. A four-year follow-up of Karkar islanders with early yaws. Reid MS, et al. **Australas J Dermatol** 1983 Aug; 24(2):71–8

An enzyme-linked immunosorbent assay for detecting antibodies to Pasteurella multocida in chickens. Briggs DJ, et al. **Avian Dis** 1984 Jan–Mar;28(1):208–15

Indirect micro-enzyme-linked immunosorbent assay for the detection of antibodies to Mycoplasma synoviae and M. gallisepticum. Opitz HM, et al. **Avian Dis** 1983 Jul–Sep; 27(3):773–86

Comparison of enzyme-linked immunosorbent assay and indirect hemagglutination test for quantitating antibody responses in chickens against Pasteurella multocida. Solano W, et al. **Avian Dis** 1983 Oct–Dec;27(4):1034–42

Serotypes of antibodies against chlamydiae [letter] Hunter JM, et al. **Br J Vener Dis** 1983 Oct;59(5):341

An indirect enzyme-linked immunosorbent assay for the detection of antibodies to Brucella abortus in procine sera. Brewer RA, et al. **Br Vet J** 1983 Nov–Dec;139(6):495–500

Antibody response of turkeys to clinical infection with Salmonella typhimurium. Sári I, et al. **Br Vet J** 1984 Jan–Feb;140(1):70–5

Comparison of the enzyme-linked immunosorbent assay and the indirect hemagglutination and complement fixation tests for detecting antibodies to Mycoplasma hyopneumoniae. Armstrong CH, et al. **Can J Comp Med** 1983 Oct; 47(4):464–70

A survey of domestic animals to detect serological responses against Legionella spp. by indirect fluorescent antibody. Barth TC, et al. **Can J Comp Med** 1983 Jul;47(3):341–6

Comparison of the 2-mercaptoethanol and dithiothreitol tests for determining Brucella immunoglobulin G agglutinating antibody in bovine serum. McMahon KJ. **Can J Comp Med** 1983 Jul;47(3):370–2

An enzyme-linked immunosorbent assay for the detection of Clostridium perfringens enterotoxin antibody. Niilo L, et al. **Can J Comp Med** 1984 Jan;48(1):111–2

Detecting anti-Treponema hyodysenteriae antibodies in swine serum using immunofluorometry. Schlink GT, et al. **Can J Comp Med** 1983 Jul;47(3):320–7

Prevalence of antibodies to Chlamydia trachomatis in healthy population groups in Manitoba. Kordová N, et al. **Can Med Assoc J** 1983 Nov 15;129(10):1111–4

Immunoblastic lymphadenopathy with a high serum Yersinia enterocolitica titer. A case report. Karttunen T, et al. **Cancer** 1983 Dec 15;52(12):2281–4

Rapid enzyme-linked immunosorbent assay (ELISA) for the detection of IgG antibodies against Micropolyspora faeni and Thermoactinomyces vulgaris. Khan ZU, et al. **Clin Allergy** 1984 May;14(3):295–305

Immunological characterization of renal glycosuria patients. De Paoli P, et al. **Clin Exp Immunol** 1984 May;56(2):289–94

Plasma anti-pneumococcal antibody activity of the IgG class and subclasses in otitis prone children. Freijd A, et al. **Clin Exp Immunol** 1984 May;56(2):233–8

Antibody to streptococcal cell wall peptidoglycan-polysaccharide polymers in seropositive and seronegative rheumatic disease. Johnson PM, et al. **Clin Exp Immunol** 1984 Jan;55(1):115–24

Serum and secretory IgA immune response to Klebsiella pneumoniae in ankylosing spondylitis. Trull AK, et al. **Clin Rheumatol** 1983 Dec;2(4):331–7

Comparison of three serologic techniques for detection of antibody to Mycoplasma pulmonis. Vincent EV, et al. **Cornell Vet** 1984 Jan;74(1):21–9

Circulating lipid A antibodies despite absence of systemic endotoxemia in patients with Crohn's disease. Kruis W, et al. **Dig Dis Sci** 1984 Jun;29(6):502–7

An international study of agglutinins to Eubacterium, Peptostreptococcus and Coprococcus species in Crohn's disease, ulcerative colitis and control subjects. Wensinck F, et al. **Digestion** 1983;27(2):63–9

Alpha-1-antitrypsin phenotypes, serum immunoglobulins and circulating bacterial antibodies in Nigerians with chronic obstructive pulmonary disease. Olusi SO, et al. **East Afr Med J** 1983 Jul;60(7):506–11

An association between epileptic seizures and increased serum bacterial antibody levels. Iivanainen M, et al. **Epilepsia** 1983 Oct;24(5):584–7

Use of the enzyme-linked immunosorbent assay for the early diagnosis of Mycoplasma pneumoniae infection. van Griethuysen AJ, et al. **Eur J Clin Microbiol** 1984 Apr; 3(2):116–21

Correlation between serum antibody-levels against group B streptococci and gestational age in newborns. Christensen KK, et al. **Eur J Pediatr** 1984 Jun;142(2):86–8

Patients with active Crohn's disease have elevated serum antibodies to antigens of seven enteric bacterial pathogens. Blaser MJ, et al. **Gastroenterology** 1984 Oct;87(4):888–94

Natural antibodies in man to Streptococcus mutans: specificity and quantification. Challacombe SJ, et al. **Immunology** 1984 May;52(1):143–50

Circulating antisomatic antibody response in Shiga dysentery & IgM & IgG activities after 2-mercaptoethanol treatment. Ahmed A, et al. **Indian J Med Res** 1984 Feb;79:163–70

Antibodies to purified tuberculin (PPD) in pulmonary tuberculosis & their correlation with PPD skin sensitivity. Gupta AK, et al. **Indian J Med Res** 1983 Oct;78:484–8

Counterimmunoelectrophoresis for Salmonella typhi antigen & antibody detection in typhoid. Harish BN, et al. **Indian J Med Res** 1983 Jun;77:781–4

Latex agglutination test for pertussis antibody status of children before & after vaccination. Ray K, et al. **Indian J Med Res** 1984 Feb;79:180–6

Crossed immunoelectrophoretic analysis of anti-Salmonella typhi antibodies in sera of typhoid patients and carriers: demonstration of the presence of typhoid-specific antibodies to a non-O, non-H, non-Vi antigen. Chau PY, et al. **Infect Immun** 1984 Mar;43(3):1110–3

Study of heart-reactive antibody in antisera and hybridoma culture fluids against group A streptococci. Cunningham MW, et al. **Infect Immun** 1983 Nov;42(2):531–8

Longitudinal study of immune response to Pseudomonas aeruginosa antigens in cystic fibrosis. Döring G, et al. **Infect Immun** 1983 Oct;42(1):197–201

Class specificity of naturally acquired and vaccine-induced antibody to type III group B streptococcal capsular polysaccharide: determination with a radioimmunoprecipitin assay. Edwards MS, et al. **Infect Immun** 1984 May;44(2):257–61

Isotype of protective anti-Salmonella antibodies in experimental mouse salmonellosis. Saxén H, et al. **Infect Immun** 1984 Jun;44(3):633–6

Detection of anti-teichoic acid immunoglobulin G antibodies in experimental Staphylococcus epidermidis endocarditis. West TE, et al. **Infect Immun** 1983 Dec;42(3):1020–6

Antibodies against an acid extract from a single campylobacter strain in hospitalized campylobacter patients. Kosunen TU, et al. **Infection** 1983 Jul–Aug; 11(4):189–91

Pneumococcal antibodies in families with recurrent otitis media. Kalm O, et al. **Int Arch Allergy Appl Immunol** 1984; 75(2):139–42

Antibodies to mycobacterial arabinomannan in leprosy: correlation with reactional states and variation during treatment. Miller RA, et al. **Int J Lepr** 1984 Jun;52(2):133–9

Relation between anti-Mycobacterium leprae antibody activity and clinical features in borderline tuberculoid (BT) leprosy. Touw Langendijk EJ, et al. **Int J Lepr** 1983 Sep; 51(3):305–11

Pneumococcal antibodies and complement during and after periods of recurrent otitis. Prellner K, et al. **Int J Pediatr Otorhinolaryngol** 1984 Mar;7(1):39–49

Use of enzyme linked immunosorbent assay (ELISA) in the quantitation of Clostridium perfringens type A enterotoxin and antienterotoxin antibodies. Narayan KG, et al. **Int J Zoonoses** 1983 Dec;10(2):105–10

A longitudinal study of antibody titres to Antigen 6 in patients with bone and joint tuberculosis. Lau JH, et al. **Int Orthop** 1983;7(3):205–8

Agglutinins to bacteria as a discriminatory test in Crohn's disease. McCoy GF, et al. **Ir J Med Sci** 1984 Apr; 153(4):133–6

Septicemia due to Corynebacterium haemolyticum. Ben-Yaacob D, et al. **Isr J Med Sci** 1984 May;20(5):431–3

Clinical failure of streptokinase due to an unsuspected high titer of antistreptokinase antibody. Lew AS, et al. **J Am Coll Cardiol** 1984 Jul;4(1):183–5

Rocky Mountain spotted fever in an urban canine population. Smith RC, et al. **J Am Vet Med Assoc** 1983 Dec 15; 183(12):1451–3

A solid-phase radioimmunoassay for detection of antibodies against Mycoplasma pneumoniae. Hu PC, et al. **J Clin Lab Immunol** 1983 Aug;11(4):209–13

Detection of Rickettsia rickettsii antibodies in human sera by crossed immunoelectrophoresis. Anacker RL, et al. **J Clin Microbiol** 1983 Sep;18(3):569–77

Assay of antibody to group A streptococcal carbohydrate by enzyme-linked immunosorbent assay. Barrett DJ, et al. **J Clin Microbiol** 1983 Sep;18(3):622–7

Comparative evaluation of commercial fluorescent treponemal antibody-absorbed test kits. Beebe JL, et al.

J Clin Microbiol 1984 Jun;19(6):789–93
Detection and characterization of mouse monoclonal antibodies to epidemic typhus rickettsiae. Black CM, et al. J Clin Microbiol 1983 Sep;18(3):561–8
Development of an enzyme-linked immunosorbent assay for studying Pseudomonas aeruginosa cell surface antigens. Borowski RS, et al. J Clin Microbiol 1984 Jun;19(6):736–41
Detection of antibodies to Pseudomonas aeruginosa alginate extracellular polysaccharide in animals and cystic fibrosis patients by enzyme-linked immunosorbent assay. Bryan LE, et al. J Clin Microbiol 1983 Aug;18(2):276–82
Enzyme-linked immunosorbent assay for serodiagnosis of Mycoplasma pneumoniae infections. Busolo F, et al. J Clin Microbiol 1983 Aug;18(2):432–5
Detection of antibody to staphylococcal lipoteichoic acid with a microenzyme-linked immunosorbent assay. Carruthers MM, et al. J Clin Microbiol 1984 Apr; 19(4):552–4
Methodological aspects of Staphylococcus aureus peptidoglycan serology: comparisons between solid-phase radioimmunoassay and enzyme-linked immunosorbent assay. Christensson B, et al. J Clin Microbiol 1984 May; 19(5):680–6
Agglutinating antibody titers to members of the family Legionellaceae in cystic fibrosis patients as a result of cross-reacting antibodies to Pseudomonas aeruginosa. Collins MT, et al. J Clin Microbiol 1984 Jun;19(6):757–62
Prevalence of antibodies to Legionella pneumophila in animal populations. Collins MT, et al. J Clin Microbiol 1982 Jan; 15(1):130–6
Comparative analysis of serum antibody responses to Pseudomonas aeruginosa exotoxin A by cystic fibrosis and intensive care unit patients. Cukor G, et al. J Clin Microbiol 1983 Sep;18(3):457–62
Reactivity of Dade rapid plasma reagin card test with low-titer sera. Fischer GS, et al. J Clin Microbiol 1984 Mar;19(3):435
Evaluation of latex-Rickettsia rickettsii test for Rocky Mountain spotted fever in 11 laboratories. Hechemy KE, et al. J Clin Microbiol 1983 Oct;18(4):938–46
Comparison of a new enzyme-linked immunosorbent assay method with counterimmunoelectrophoresis for detection of teichoic acid antibodies in sera from patients with Staphylococcus aureus infections. Herzog C, et al. J Clin Microbiol 1984 Apr;19(4):511–5
Enzyme-linked immunosorbent assay for detection of capsular antibodies against Haemophilus influenzae type b: comparison with radioimmunoassay. Kaplan SL, et al. J Clin Microbiol 1983 Nov;18(5):1201–4
Immune response to Bacteroides ureolyticus in a patient with brain abscess. Lalitha MK, et al. J Clin Microbiol 1983 Aug;18(2):428–9
Evaluation of screening tests for the detection of antistreptolysin O antibodies. Lue YA, et al. J Clin Microbiol 1983 Sep;18(3):628–30
Detection of antichlamydial immunoglobulin G and M antibodies by enzyme-linked immunosorbent assay. Mahony JB, et al. J Clin Microbiol 1983 Aug;18(2):270–5
Serum antibodies to enterotoxins produced by Staphylococcus aureus with special reference to enterotoxin F and toxic shock syndrome. Notermans S, et al. J Clin Microbiol 1983 Nov;18(5):1055–60
Kinetic-dependent enzyme-linked immunosorbent assay for detection of antibodies to Legionella pneumophila. Sampson JS, et al. J Clin Microbiol 1983 Dec;18(6):1340–4
Enzyme immunoassay for detection of antibody to toxins A and B of Clostridium difficile. Viscidi RP, et al. J Clin Microbiol 1983 Aug;18(2):242–7
Enzyme-linked immunosorbent assay for detection of specific antibodies to Ureaplasma urealyticum serotypes. Wiley CA, et al. J Clin Microbiol 1984 Mar;19(3):421–6
Serum specific IgA antibody to Chlamydia trachomatis in patients with chlamydial infections detected by ELISA and an immunofluorescence test. Cevenini R, et al. J Clin Pathol 1984 Jun;37(6):686–91
Microimmunofluorescence technique for detection of antibody to Mycoplasma genitalium. Furr PM, et al. J Clin Pathol 1984 Sep;37(9):1072–4
Detection of antibodies against Legionella pneumophila serogroups 1 to 6 and the Leiden-1 strain by micro ELISA and immunofluorescence assay. Herbrink P, et al. J Clin Pathol 1983 Nov;36(11):1246–52
Estimation of IgG and IgM brucella antibodies in infected and non-infected persons by a radioimmune technique. Hewitt WG, et al. J Clin Pathol 1984 Jun;37(6):692–6
Antiadhesive properties of a quaternary structure-specific hybridoma antibody against type 1 fimbriae of Escherichia coli. Abraham SN, et al. J Exp Med 1983 Oct 1; 158(4):1114–28
Exposure to Leptospira icterohaemorrhagiae in inner-city and suburban children: a serologic comparison. Demers RY, et al. J Fam Pract 1983 Dec;17(6):1007–11
Antibodies to meningococcus polysaccharides in nonspecific gamma-globulins from different regions of the world. Demina AA, et al. J Hyg Epidemiol Microbiol Immunol 1983;27(4):437–44
Chlamydiosis in cattle and in man: an epidemiologic and serologic study. Stěpánek O, et al. J Hyg Epidemiol Microbiol Immunol 1983;27(4):445–59
The use of the microagglutination technique to determine the antibody status of healthy New Zealanders to Brucella abortus. Bettelheim KA, et al. J Hyg (Lond) 1984 Jun; 92(3):401–10
A prevalence study of antibodies to Legionella spp. in geriatric institutions. Boldur I, et al. J Hyg (Lond) 1984 Feb;92(1):37–43
Psittacosis/ornithosis in Cambridgeshire 1975–1983. Nagington J. J Hyg (Lond) 1984 Feb;92(1):9–19
Exposure of water consumers to mesophilic actinomycetes. Ojanen TH, et al. J Hyg (Lond) 1983 Dec;91(3):535–41
Serology and tissue lesions in rabbits immunized with Streptococcus mutans. Stinson MW, et al. J Immunol 1983 Dec;131(6):3021–7
Whole organisms and purified cell walls compared as immunosorbents for the detection of IgE antibodies to Staphylococcus aureus. Friedman SJ, et al. J Immunol Methods 1984 Feb 10;66(2):369–75
Development of a sensitive solid-phase radioimmunoassay technique for quantification of class-specific Escherichia coli antibodies. Stephens S. J Immunol Methods 1984 Jul 6;71(2):203–10
A new rapid semi-quantitative enzyme immunoassay suitable for determining immunity to tetanus. Chandler HM, et al. J Infect 1984 Mar;8(2):137–44
Comparison of anti-alpha-haemolysin and teichoic acid antibody tests in patients with Staphylococcus aureus endocarditis or bacteraemia. Larinkari U, et al. J Infect 1984 May;8(3):221–6
The protective level of serum antibodies to the capsular polysaccharide of Haemophilus influenzae type b [letter] Anderson P. J Infect Dis 1984 Jun;149(6):1034–5
Spread of a toxic-shock syndrome-associated strain of Staphylococcus aureus and measurement of antibodies to staphylococcal enterotoxin F. Arnow PM, et al. J Infect Dis 1984 Jan;149(1):103–7
Serodiagnosis of Rocky Mountain spotted fever: comparison of IgM and IgG enzyme-linked immunosorbent assays and indirect fluorescent antibody test. Clements ML, et al. J Infect Dis 1983 Nov;148(5):876–80
Antibody response in Lyme disease: evaluation of diagnostic tests. Craft JE, et al. J Infect Dis 1984 May;149(5):789–95
Serological evidence of group Y Neisseria meningitidis infections prior to isolation and identification of the organism [letter] Edwards EA. J Infect Dis 1984 Jun; 149(6):1036–7
Detection and persistence of specific IgM antibody to Coxiella burnetii by enzyme-linked immunosorbent assay: a comparison with immunofluorescence and complement fixation tests. Field PR, et al. J Infect Dis 1983 Sep; 148(3):477–87
Quantitation and identification of antibodies to outer-membrane proteins of Pseudomonas aeruginosa in sera of patients with cystic fibrosis. Hancock RE, et al. J Infect Dis 1984 Feb;149(2):220–6
Class-specific antibody response to Haemophilus influenzae type b capsular polysaccharide vaccine. Käyhty H, et al. J Infect Dis 1983 Oct;148(4):767
Estimation of the protective level of human IgG antibody to the type-specific polysaccharide of group B Streptococcus type Ia. Klegerman ME, et al. J Infect Dis 1983 Oct;148(4):648–55
Assessment of the microimmunofluorescence test for antibodies to Chlamydia trachomatis in adults with respiratory disorders [letter] Kuritsky JN, et al. J Infect Dis 1983 Dec;148(6):1167–8
Immunologic responses of children to serious infections with Streptococcus pneumoniae. Prober CG, et al. J Infect Dis 1983 Sep;148(3):427–35
Class-specific human bactericidal antibodies to capsular and noncapsular surface antigens of Neisseria meningitidis. Skevakis L, et al. J Infect Dis 1984 Mar;149(3):387–96
Serology of Staphylococcus aureus infections using multiple antigens and serial serum samples. Verbrugh HA, et al. J Infect Dis 1983 Sep;148(3):608
Prevalence of serum antibody to staphylococcal enterotoxin F among Wisconsin residents: implications for toxic-shock syndrome. Vergeront JM, et al. J Infect Dis 1983 Oct; 148(4):692–8
Enzyme-linked immunosorbent assay (ELISA) with bacterial sonicate antigen for IgM, IgA, and IgG antibodies to Francisella tularensis: comparison with bacterial agglutination test and ELISA with lipopolysaccharide antigen. Viljanen MK, et al. J Infect Dis 1983 Oct; 148(4):715–20
Humans respond predominantly with IgM immunoglobulin to the species-specific glycolipid of Mycobacterium leprae. Young DB, et al. J Infect Dis 1984 Jun;149(6):870–3
Antigenic variation during infection with Neisseria gonorrhoeae: detection of antibodies to surface proteins in sera of patients with gonorrhea. Zak K, et al. J Infect Dis 1984 Feb;149(2):166–74
Enzyme-linked immunosorbent assay for the detection of antibody to Chlamydia trachomatis and Chlamydia psittaci. Levy NJ, et al. J Lab Clin Med 1983 Dec;102(6):918–25
Parasitism by Ixodes dammini (Acari: Ixodidae) and antibodies to spirochetes in mammals at Lyme disease foci in Connecticut, USA. Magnarelli LA, et al. J Med Entomol 1984 Jan 26;21(1):52–7
Absence of bactericidal antibodies against Group-I lipopolysaccharide determinants of Neisseria gonorrhoeae during human infection. Blackwell CC, et al. J Med Microbiol 1984 Jun;17(3):353–6
Agglutinins to anaerobic bacteria in Crohn's disease and in Indian patients with diarrhoea. Howells B, et al. J Med Microbiol 1984 Apr;17(2):207–9
M-associated protein antibodies in patients with rheumatic fever. Martin DR, et al. J Med Microbiol 1984 Apr; 17(2):189–99
Serum IgA antibody to Bordetella pertussis as an indicator of infection. Nagel J, et al. J Med Microbiol 1983 Nov; 16(4):417–26
Reactions of extracts of Reiter treponeme with syphilitic and non-syphilitic human sera in the single radial haemolysis technique. Al-Qudah AA, et al. J Med Microbiol 1984 Jun;17(3):273–82
Appearance of secretory IgM and IgA antibodies to Escherichia coli in saliva during early infancy and childhood. Mellander L, et al. J Pediatr 1984 Apr; 104(4):564–8
Gingival crevicular fluid antibody to oral microorganisms. I. Method of collection and analysis of antibody. Ebersole JL, et al. J Periodont Res 1984 Mar;19(2):124–32
Bacterial IgG and IgM antibody titers in acute necrotizing ulcerative gingivitis. Chung CP, et al. J Periodontol 1983 Sep;54(9):557–62
Persistence of pneumococcal antibodies after immunization in patients with systemic lupus erythematosus. McDonald E, et al. J Rheumatol 1984 Jun;11(3):306–8
Longitudinal studies of prostatic fluid immunoglobulin in men with bacterial prostatitis. Fowler JE Jr, et al. J Urol 1984 Feb;131(2):363–9
Prevention of pyelonephritis by immunization with P-fimbriae. Roberts JA, et al. J Urol 1984 Mar;131(3):602–7
Antibodies to spirochetes in white-tailed deer and prevalence of infected ticks from foci of Lyme disease in Connecticut. Magnarelli LA, et al. J Wildl Dis 1984 Jan;20(1):21–6
Antideoxyribonuclease B distribution in healthy individuals. Igari J, et al. Jpn Circ J 1983 Nov;47(11):1287–9
Opsonic antibodies of healthy human sera against some opportunistic pathogens. Arai T, et al. Kitasato Arch Exp Med 1983 Sep;56(3):63–71
An enzyme linked immunosorbent assay for detection of antibodies to Corynebacterium kutscheri in experimentally infected rats. Ackerman JI, et al. Lab Anim Sci 1984 Feb; 34(1):38–43
Antigens in whooping cough vaccine and antibody levels induced by vaccination of children. Ashworth LA, et al. Lancet 1983 Oct 15;2(8355):878–81
Chlamydial serology in fertile and infertile women. Conway D, et al. Lancet 1984 Jan 28;1(8370):191–3
Antibody to spiral organisms on gastric mucosa [letter] Eldridge J, et al. Lancet 1984 Jun 2;1(8388):1237
Serological evidence implicating Mycoplasma genitalium in pelvic inflammatory disease. Møller BR, et al. Lancet 1984 May 19;1(8386):1102–3
Pertussis antibodies in vaccinated children [letter] Preston NW. Lancet 1983 Nov 19;2(8360):1197
An ELISA study of the antibody response after vaccination with a combined meningococcal group B polysaccharide and serotype 2 outer membrane protein vaccine. Rosenqvist E, et al. NIPH Ann 1983 Dec;6(2):139–49
Leptospira interrogans serovar hardjo infection in cows of Hokkaido, Japan—serological evidence. Tsuchimoto M, et al. Nippon Juigaku Zasshi 1983 Dec;45(6):811–4
Detection of antibodies in sera of leprosy patients and contacts by enzyme linked immunoabsorbent assay (ELISA). Samuel NM, et al. Nippon Rai Gakkai Zasshi 1984 Jan-Mar;53(1):32–7
Prevalence of antibodies to Chlamydia trachomatis in Japanese persons determined by microimmunofluorescence using reticulate bodies as single antigen. Numazaki K, et al. Pediatr Infect Dis 1984 Mar-Apr;3(2):105–9
Human IgG antibodies to carbohydrate and protein antigens in mouse protection tests with group B streptococci. Christensen KK, et al. Pediatr Res 1984 May;18(5):478–82
Antibody to Pseudomonas aeruginosa mucoid exopolysaccharide and to sodium alginate in cystic fibrosis serum. Speert DP, et al. Pediatr Res 1984 May;18(5):431–3
Interaction of specifically purified isotypes of bovine antibody to Brucella abortus in the haemolysis in gel test and enzyme-linked immunosorbent assay. Nielsen KH, et al. Res Vet Sci 1983 Jul;35(1):14–8
Enzyme-linked immunosorbent assay for Brucella ovis specific antibody in ram sera. Spencer TL, et al. Res Vet Sci 1984 Mar;36(2):194–8
Antibodies to lipid A: occurrence in humans. Mattsby-Baltzer I, et al. Rev Infect Dis 1984 Jul-Aug; 6(4):553–7
Selected bacterial antibodies in Crohn's disease and ulcerative colitis. Auer IO, et al. Scand J Gastroenterol 1983 Mar; 18(2):217–23
Escherichia coli antibodies in alcoholic liver disease. Correlation to alcohol consumption, alcoholic hepatitis, and serum IgA. Staun-Olsen P, et al. Scand J Gastroenterol 1983 Oct;18(7):889–96
Serum antibodies to Bacteroides species in chronic inflammatory bowel disease. Tvede M, et al. Scand J Gastroenterol 1983 Sep;18(6):783–9
The clinical significance of serological methods in the diagnosis of staphylococcal septicaemia and endocarditis. Christensson B, et al. Scand J Infect Dis [Suppl] 1983; 41:140–3
Serological diagnosis of Staphylococcus aureus septicaemia and endocarditis by means of crossed immuno-electrophoresis. Espersen F, et al. Scand J Infect Dis [Suppl] 1983;41:97–104

Serological diagnosis of deep Staphylococcus aureus infections by enzyme-linked immunosorbent assay (ELISA) for staphylococcal hemolysins and teichoic acid. Granström M, et al. **Scand J Infect Dis [Suppl]** 1983; 41:132–9

Comparison of anti-alpha-hemolysin and teichoic acid antibody tests in patients with endocarditis and septicaemia caused by Staphylococcus aureus. Larinkari U, et al. **Scand J Infect Dis [Suppl]** 1983;41:144–7

Antibodies to Staphylococcus aureus peptidoglycan and lipoteichoic acid in staphylococcal infections. Oeding P, et al. **Scand J Infect Dis [Suppl]** 1983;41:126–9

Biology and clinical significance of peptidoglycan antibody response in staphylococcal infections. Verbrugh HA, et al. **Scand J Infect Dis [Suppl]** 1983;41:117–25

Diagnostic and therapeutic significance of staphylococcal teichoic acid antibodies. White A, et al. **Scand J Infect Dis [Suppl]** 1983;41:105–16

IgA antibodies to Klebsiella pneumoniae in ankylosing spondylitis. Trull AK, et al. **Scand J Rheumatol** 1983; 12(3):249–53

Enzyme immunoassay for serum antibody to Mycoplasma hominis in women with acute pelvic inflammatory disease. Miettinen A, et al. **Sex Transm Dis** 1983 Oct–Dec;10(4 Suppl):289–93

A serological test for leprosy based on competitive inhibition of monoclonal antibody binding to the MY2a determinant of Mycobacterium leprae. Sinha S, et al. **Trans R Soc Trop Med Hyg** 1983;77(6):869–71

Serology of tuberculosis. II. Measurement of antibodies to Mycobacterium tuberculosis by a passive haemagglutination test in human tuberculosis. Jagannath C, et al. **Tuberele** 1983 Sep;64(3):201–10

Solid-phase enzyme immunoassay of bovine antibody responses following immunization against and natural infection with Pasteurella haemolytica. Smith PH, et al. **Vet Immunol Immunopathol** 1983 Nov;5(1):33–45

Isolation of Pasteurella haemolytica and correlation with serum antibody response in clinically normal beef calves. Confer AW, et al. **Vet Microbiol** 1983 Nov;8(6):601–10

Evaluation of the indirect hemagglutination assay as a practical serodiagnostic test for mycoplasmal pneumonia of swine. Freeman MJ, et al. **Vet Microbiol** 1984 Jul; 9(3):259–70

Serologic comparisons of 4 Anaplasma isolates as measured by the complement-fixation test. Kuttler KL, et al. **Vet Microbiol** 1984 Apr;9(2):181–6

The anamnestic response to Brucella abortus-infected and vaccinated cattle. Sutherland SS. **Vet Microbiol** 1983 Aug; 8(4):405–9

Serological survey of leptospiral antibodies in sheep from England and Wales. Hathaway SC, et al. **Vet Rec** 1982 Jan 30;110(5):99–101

Comparison of the enzyme-linked immunosorbent assay and complement fixation test for detecting Brucella ovis antibodies in sheep. Rahaley RS, et al. **Vet Rec** 1983 Nov 12;113(20):467–70

Serodiagnosis of M. pneumoniae infections by enzyme-linked immunosorbent assay (ELISA). Busolo F, et al. **Yale J Biol Med** 1983 Sep-Dec;56(5–6):517–21

Serological evidence of Ureaplasma urealyticum infection in neonatal respiratory disease. Quinn PA, et al. **Yale J Biol Med** 1983 Sep–Dec;56(5–6):565–72

Significance of Yersinia enterocolitica isolates and antibody titers. A prospective study in patients with enteritis and healthy controls under bacteriological, serological, epidemiological and clinical aspects. Bitzan M, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Mar; 254(1):78–88

Experience with heat-killed antigens of L. longbeachae serogroups 1 and 2, and L. jordanis in the indirect fluorescence antibody test. Fallon RJ, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Jul;255(1):8–14

Protein and antibody in lavage fluid of guinea pigs with Legionella pneumophila pneumonia. Gump DW, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Jul; 255(1):145–9

The pattern of immunoglobulins with special reference to IgM in Legionnaires' disease patients during a 2 year follow-up period. Kallings I, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Jul; 255(1):27–32

Differentiation of recent and past infections with Legionella pneumophila by determination of specific IgM. Krech TU, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Jul; 255(1):44–7

Legionella microagglutination test. A serological study of Danish patients. Lind K, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Jul; 255(1):115–9

Antibodies against Legionellaceae in the population of West Germany and their methodical determination. Müller HE. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Jul; 255(1):84–90

Comparative evaluation of the enzyme immunoassay and the immunofluorescence test for the detection of chlamydial group antibodies in human sera. Rai A, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 May; 254(3):435–40

Indirect immunofluorescence assay (IFA), microagglutination test (MA) and enzyme-linked-immunosorbent assay (ELISA) in diagnosis of legionellosis. Stanek G, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Jul; 255(1):108–14

Serological tests for Legionella pneumophila serogroup 1 infections. Taylor AG, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Jul;255(1):20–6

Antigenic analysis of Barber's protein antigen prepared from Salmonella typhi and demonstration of protein-specific antibodies in sera of typhoid patients. Tsang RS, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Apr; 254(2):244–52

Sero-epidemiology of legionellosis in Austria. Wewalka G. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Jul;255(1):15–9

Status of serologic tests for Legionella antigen and antibody at the Centers for Disease Control. Wilkinson HW. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Jul;255(1):3–7

Prevalence of antibodies to Anaplasma marginale in cattle from various African biotopes in central Morocco, north Cameroon and southeastern Zaïre. Verhulst A, et al. **Zentralbl Veterinarmed [B]** 1983 Aug;30(7):537–40

[Determination of anti-PPD antibody by enzyme-linked immunosorbent assay] Pan XZ. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1983 Apr;6(2):68–70 (Eng. Abstr.) **(Chi)**

[Comparison of three methods in determining the antibody against diphtheria toxin] Cheng MJ. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1984 Feb; 5(1):55–7 (Eng. Abstr.) **(Chi)**

[Microagglutination with Rickettsia of Q fever] Yu GQ. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1983 Dec; 4(6):359–61 (Eng. Abstr.) **(Chi)**

[Levels of tetanus antibodies in sera from population groups in Czechoslovakia divided by age and sex] Kyselová M, et al. **Cesk Epidemiol Mikrobiol Imunol** 1983 Sep; 32(5):268–74 (Eng. Abstr.) **(Cze)**

[Quantitative determination of FTA abs IgM in different stages of syphilis before and after treatment] Lefèvre JC, et al. **Ann Dermatol Venereol** 1983;110(5):425–30 (Eng. Abstr.) **(Fre)**

[Assay of rabbit anti-thermolabile enterotoxin antibodies from Escherichia coli by an immunoenzyme technic] Germani Y, et al. **Ann Immunol (Paris)** 1984 Mar–Apr; 135C(2):251–60 (Eng. Abstr.) **(Fre)**

[Anti-Gram-negative bacterial antibodies in alcoholic cirrhosis. Study of 58 patients] Bercoff E, et al. **Gastroenterol Clin Biol** 1984 Jun–Jul;8(6–7):503–6 (Eng. Abstr.) **(Fre)**

[Screening of carriers of antitetanus antibodies in blood donors] Hoang B, et al. **Rev Fr Transfus Immunohematol** 1984 Feb;27(1):91–5 (Eng. Abstr.) **(Fre)**

[Biological diagnosis of Legionnaire's disease] Edelstein PH. **Rev Mal Respir** 1984;1(1):11–4 (28 ref.) (Eng. Abstr.) **(Fre)**

[Ankylosing spondylarthritis, HLA B27 and the theory of crossed tolerance] Ebringer A. **Rev Rhum Mal Osteoartic** 1983 Nov;50(11):763–9 (Eng. Abstr.) **(Fre)**

[Kinetic study of the antibodies in OF 1 and C57Bl mice infected with Chlamydia trachomatis and Chlamydia psittaci. Its application to the interpretation of the serological results in human chlamydioses] Eb F, et al. **Virologie** 1984 Apr–Jun;35(2):109–17 (Eng. Abstr.) **(Fre)**

[Etiology of atrophic rhinitis (a.r.) in swine. 4. Serological cross-test with 10 Bordetella bronchiseptica strains and 161 field sera] Ferstl T, et al. **DTW** 1983 Jul 6;90(7):279–82 (Eng. Abstr.) **(Ger)**

[Renal tuberculosis with reference to therapy, immunology, ultrasound diagnosis and hemodialysis treatment] Strauss I. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:470–2 (Eng. Abstr.) **(Ger)**

[Incidence and diagnostic significance of reactive syphilis antibodies in systemic lupus erythematodes and other immunologic diseases] Hagedorn HJ, et al. **Z Hautkr** 1984 Mar 1;59(5):301–2, 305–7, 310–2 (Eng. Abstr.) **(Ger)**

[1st results with the Treponema pallidum hemagglutination (TPHA) test in blood stains] Keil W, et al. **Z Rechtsmed** 1984;91(4):247–53 (Eng. Abstr.) **(Ger)**

[Comparison of the ELISA (lipopolysaccharide) and Widal reactions (O antigen) in the diagnosis of Salmonella infections] Hirschl A, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Sep; 255(2–3):247–57 (Eng. Abstr.) **(Ger)**

[Enzyme-linked immunosorbent assay (ELISA) for IgG- and IgM antibodies in chlamydial infections of humans] Schmeer N, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Nov; 256(1):119–31 (Eng. Abstr.) **(Ger)**

[Differential serodiagnosis of pigeon salmonellosis by determination of IgG and IgM antibodies using immunoenzyme test] Schmeer N, et al. **Zentralbl Veterinarmed [B]** 1983 Jul;30(6):415–24 (Eng. Abstr.) **(Ger)**

[Assay of anti-Yersinia enterocolitica antibodies in an open population sample of the town of Messina] Delia SA, et al. **Ann Sclavo** 1982 Jul–Aug;24(4):429–39 (Eng. Abstr.) **(Ita)**

[Streptococcal seroepidemiology: comparison of 3 methods] Angela GC, et al. **Boll Ist Sieroter Milan** 1983 Sep 30; 62(4):333–43 (Eng. Abstr.) **(Ita)**

[Study of antitetanus immunity in a population sample] Cavani E, et al. **Boll Ist Sieroter Milan** 1983 Mar 31; 62(1):91–5 (Eng. Abstr.) **(Ita)**

[Anti-Legionella pneumophila antibody titers in blood from children and adults with lung diseases of unknown etiology] Munno I, et al. **Boll Ist Sieroter Milan** 1984 May 31; 63(2):167–70 (Eng. Abstr.) **(Ita)**

[Antitetanus immunity in children] Prete C, et al. **Boll Ist Sieroter Milan** 1983 Mar 31;62(1):96–9 (Eng. Abstr.) **(Ita)**

[Methods of evaluating antibody response after oral vaccination with killed enteropathogenic strains of E. coli] Santiano M, et al. **G Ital Chemioter** 1984 Jan–Aug; 31(1–2):201–3 **(Ita)**

[Importance of monitoring specific antibody serum titers for optimal passive immune protection in the tetanic patient] Pitzurra M, et al. **Minerva Anestesiol** 1983 Oct; 49(10):597–604 (Eng. Abstr.) **(Ita)**

[Serological studies of Chlamydia trachomatis infections in Japan] Kobayashi Y, et al. **Kansenshogaku Zasshi** 1983 Oct; 57(10):839–45 (Eng. Abstr.) **(Jpn)**

[Avian chlamydiosis. II. Wild pigeons] Miyake T, et al. **Kansenshogaku Zasshi** 1983 Sep;57(9):788–93 (Eng. Abstr.) **(Jpn)**

[Anti-streptococcal esterase (ASE) and ASO in streptococcal infections in children] Nakamura Y, et al. **Kansenshogaku Zasshi** 1983 Sep;57(9):771–5 (Eng. Abstr.) **(Jpn)**

[Study of serum AHD and ANAD titers in healthy children and patients with streptococcal infectious disease] Okuyama M, et al. **Kansenshogaku Zasshi** 1983 Dec; 57(12):1095–107 (Eng. Abstr.) **(Jpn)**

[Prevalence of antibody to Legionella spp. in healthy Japanese] Tanaka H, et al. **Kansenshogaku Zasshi** 1983 Apr; 57(4):289–96 (Eng. Abstr.) **(Jpn)**

[Determination of agglutinin titer to group A streptococcal cells in sera of healthy school children: comparison of trypsin- and pepsin-digested bacterial cells with ASP reagent] Yoshihara K, et al. **Kansenshogaku Zasshi** 1983 Dec;57(12):1091–4 (Eng. Abstr.) **(Jpn)**

[Studies on the measurement of antibody against an extracellular protein associated with nephritogenic streptococci by using the enzyme-linked immunosorbent assay (ELISA)] Quan JW, et al. **Nippon Ika Daigaku Zasshi** 1984 Jun;51(3):339–45 (Eng. Abstr.) **(Jpn)**

[Studies on circulation immune complexes and anti-M. leprae antibody in patients with leprosy] Suzuki H, et al. **Nippon Rai Gakkai Zasshi** 1984 Jan–Mar;53(1):15–22 (Eng. Abstr.) **(Jpn)**

[Method for the titration of bactericidal activity in multiple samples] Ihara I. **Nippon Saikingaku Zasshi** 1984 Jan; 39(1):47–9 **(Jpn)**

[Comparative determination of lymphocyte functional activity and serum O-antibody titers in acute dysentery patients] Bunin KV, et al. **Klin Med (Mosk)** 1984 Feb; 62(2):50–3 (Eng. Abstr.) **(Rus)**

[Modified counterimmunoelectrophoretic method for the simultaneous study of glanders and melioidosis antigens and antibodies] Kalei GM, et al. **Lab Delo** 1983;(12):41–3 (Eng. Abstr.) **(Rus)**

[Construction of a suspension diagnosticum to test for Yersinia pestis endotoxin and homologous antibodies] Veĭnblat VI, et al. **Lab Delo** 1983;(8):43–5 **(Rus)**

[Use of the indirect hemagglutination test for detecting antibodies in the saliva in the diagnosis and epidemiological analysis of dysentery] Kolesnikova EN. **Tr Inst Pastera** 1981;56:62–6 (9 ref.) **(Rus)**

[Elaboration and trial of an erythrocyte immunoglobulin diagnostic preparation for detecting Coxiella burnetii] Tokarevich NK, et al. **Tr Inst Pastera** 1981;56:106–11 (10 ref.) **(Rus)**

[Elaboration and trial of an immunoglobulin erythrocyte diagnostic agent for detecting the causative agent of pseudotuberculosis and its antibodies] Tseneva GIa, et al. **Tr Inst Pastera** 1981;56:71–4 **(Rus)**

[Diagnostic value of the Treponema pallidum immobilization test (by a quantitative technic)] Eloian AG. **Vestn Dermatol Venerol** 1984 Jun;(6):25–6 (Eng. Abstr.) **(Rus)**

[Antibodies to vaccinal antigens in patients with viral hepatitis and acute intestinal infections] Granitov VM, et al. **Vrach Delo** 1983 Nov;(11):110–2 (Eng. Abstr.) **(Rus)**

[Antibodies to Bacteroides antigens in the blood serum] Tyshko AG, et al. **Vrach Delo** 1984 Feb;(2):111–2 **(Rus)**

[Use of an immunoenzyme method for detecting specific antibodies to Pseudomonas aeruginosa in patients with acute and chronic lung diseases] Dubeĭkovskaia ZA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Aug;(8):53–7 (Eng. Abstr.) **(Rus)**

[Detection of immunological shifts with respect to Chlamydia in patients with urogenital pathology] Gorovits ES, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Feb;(2):89–91 (Eng. Abstr.) **(Rus)**

[Analysis of the discrete structure of antibodies by affinity and antigen-binding capacity] Levi MI. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Oct;(10):71–6 (Eng. Abstr.) **(Rus)**

[Characteristics of regression interrelations between the immune reactions to different staphylococcal strains in chronic inflammatory diseases of the upper respiratory tracts] Poniakina ID, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 May;(5):92–5 (Eng. Abstr.) **(Rus)**

[Antibody dynamics of carnivorous mammals and corvine birds infected with Francisella tularensis] Sukhanov NA. **Zh Mikrobiol Epidemiol Immunobiol** 1984 May;(5):105–8 (Eng. Abstr.) **(Rus)**

[Determination of tularemia antibodies by an immunoenzyme method on a solid-phase carrier (ELISA)] Umnova NS, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Apr; (4):79–83 (Eng. Abstr.) **(Rus)**

[Indirect immunofluorescence reaction of systemic and local humoral immunity in patients with inflammatory lung diseases. III. Secretory IgA antibodies to S. pneumoniae and H. influenzae autostrains] Vishniakova LA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Jan;(1):75–80 (Eng. Abstr.) **(Rus)**

[Determination of tetanus antitoxin in human serum] Kamenická L, et al. **Cesk Epidemiol Mikrobiol Imunol** 1984 May;33(3):136–41 (Eng. Abstr.) **(Slo)**

[Indirect immunofluorescence for detecting antibodies against M. leprae. Application to a group of patients and persons living with them] González-Abreu Castells E, et al. **Rev Cubana Med Trop** 1983 Sep–Dec;35(3):251–6 (Eng. Abstr.) **(Spa)**

[Diagnosis of chronic pulmonary tuberculosis by the enzymatic immunoassay method (ELISA)] García-Ortigoza E, et al. **Rev Latinoam Microbiol** 1982 Jul–Sep;24(3):193–203 (Eng. Abstr.) **(Spa)**

[Anti-Shigella dysenteriae 1 antibodies in the Mexican population. Their possible relation to the Central American outbreaks of 1968–70] González Bonilla C, et al. **Rev Latinoam Microbiol** 1982 Jul–Sep;24(3):141–9 (Eng. Abstr.) **(Spa)**

BIOSYNTHESIS

Analysis of the immune response to papain digestion products of tetanus toxin. Helting TB, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1984 Feb; 92(1):59–63

The value of skin test in Q fever convalescents and vaccinees as indicator of antigen exposure and inducer of antibody recall. Kazár J, et al. **Acta Virol (Praha)** 1984 Mar; 28(2):134–40

Leptospiral vaccines: immunogenicity of protein-free medium cultivated whole cell bacterins in swine. Bey RF, et al. **Am J Vet Res** 1983 Dec;44(12):2299–301

Response of cattle upon reexposure to Anaplasma marginale after elimination of chronic carrier infections. Magonigle RA, et al. **Am J Vet Res** 1984 Apr;45(4):695–7

Infectious bovine keratoconjunctivitis: enhancement of Moraxella bovis pili immunogenicity with diphtheria–tetanus toxoids and pertussis vaccine. Pugh GW Jr, et al. **Am J Vet Res** 1984 Apr;45(4):661–5

Transient immunoglobulin and antibody production. Occurrence in two patients with common varied immunodeficiency. Zielinski CC, et al. **Arch Intern Med** 1983 Oct;143(10):1937–40

Correlation between intestinal immune response to colonization factor antigen I (CFA/I) and acquired resistance to enterotoxigenic Escherichia coli diarrhea in an adult rabbit model. de la Cabada FJ, et al. **Arch Invest Med (Mex)** 1983 Oct–Dec;14(4):407–21 **(Eng, Spa)**

Correlation of titer, preservation method, and storage of Mycoplasma gallisepticum F strain and the immune response in chickens. Lin MY, et al. **Avian Dis** 1984 Jan–Mar;28(1):273–7

Antibody responses elicited by a polyvalent vaccine containing synthetic diphtheric, streptococcal and hepatitis peptides coupled to the same carrier. Chedid L, et al. **Biochem Biophys Res Commun** 1983 Dec 28;117(3):908–15

Difficulties in producing antibodies to purified Propionibacterium acnes exocellular enzymes. Ingham E, et al. **Br J Dermatol** 1984 Jan;110(1):61–6

Studies of rabbit testes infected with Treponema pallidum. II Local synthesis of antibodies. Wicher V, et al. **Br J Vener Dis** 1983 Dec;59(6):359–63

Evaluation of test immunisation in the assessment of antibody deficiency syndromes. Webster AD, et al. **Br Med J [Clin Res]** 1984 Jun 23;288(6434):1864–6

Mouse immune response to meningococcal antigens. Micusan VV, et al. **Can J Microbiol** 1983 Oct;29(10):1323–30

Human thymus-independent antibody response in vitro: III. Precursor frequencies and fine specificity of human B cells stimulated by TNP-Ba in the presence and absence of Con A. Golding B, et al. **Cell Immunol** 1984 May;85(2):309–17

Epstein–Barr virus induced pneumococcal antibody production in man. A comparison of different lymphoid organs. Freijd A, et al. **Clin Exp Immunol** 1984 Jan; 55(1):204–10

Spontaneous and pokeweed mitogen-induced in vitro IgG production specific for S. aureus cell wall determinants in man. Hauser C, et al. **Clin Exp Immunol** 1984 Jul; 57(1):227–33

HLA–B27 and the immune response to enterobacterial antigens in ankylosing spondylitis. Trull A, et al. **Clin Exp Immunol** 1984 Jan;55(1):74–80

Human–human hybrids secreting pneumococcal antibodies. Schwaber JF, et al. **Hum Immunol** 1984 Mar;9(3):137–43

The transient appearance of IgM antibodies in the bile of rats injected with Salmonella enteritidis. Jackson GD, et al. **Immunol Lett** 1983;7(1):41–5

The interaction of specific T-cell help and non-specific B-cell growth factors in the production of anti-tetanus antibody by human B cells grown in serum-free microcultures. Brenner MK, et al. **Immunology** 1983 Nov; 50(3):377–85

Defective regulation of the immune response to tetanus toxoid in Hashimoto's disease. Fawcett J, et al. **Immunology** 1984 Jul;52(3):525–8

Weak serum and intestinal antibody responses to Vibrio cholerae soluble hemagglutinin in cholera patients. Svennerholm AM, et al. **Infect Immun** 1984 Sep;45(3):792–4

Human immune responses to oral microorganisms. II. Serum antibody responses to antigens from Actinobacillus actinomycetemcomitans and the correlation with localized juvenile periodontitis. Ebersole JL, et al. **J Clin Immunol** 1983 Oct;3(4):321–31

Regulation of the antibody response to type III pneumococcal polysaccharide by contrasuppressor T cells. Braley-Mullen H. **J Exp Med** 1984 Jul 1;160(1):42–54

NK and T cell subsets regulate antibody production by human in vivo antigen-induced lymphoblastoid B cells. Brieva JA, et al. **J Immunol** 1984 Feb;132(2):611–5

Humoral immune response in experimental syphilis to polypeptides of Treponema pallidum. Hanff PA, et al. **J Immunol** 1983 Oct;131(4):1973–7

Murine immune responses to Salmonella lipopolysaccharide: oral administration of whole bacteria to C3H/HeJ mice induces secondary anti-LPS responses, especially of the IgA isotype. Jirillo E, et al. **J Immunol** 1984 Apr; 132(4):1702–11

Human anti-pneumococci antibody produced by an Epstein Barr virus (EBV)-immortalized cell line. Steinitz M, et al. **J Immunol** 1984 Feb;132(2):877–82

Characteristics of amplifier T cells involved in the antibody response to the capsular polysaccharide of type III Streptococcus pneumoniae. Taylor CE, et al. **J Immunol** 1984 Jun;132(6):3103–8

LPS regulation of the immune response: Bacteroides endotoxin induces mitogenic, polyclonal, and antibody responses in classical LPS responsive but not C3H/HeJ mice. Wannemuehler MJ, et al. **J Immunol** 1984 Jul; 133(1):299–305

Specific antibody synthesis in vitro. I. Technical considerations. Moore AL, et al. **J Immunol Methods** 1984 May 11;70(1):13–21

Immunogenicity of a Haemophilus influenzae type b vaccine in combination with diphtheria–pertussis–tetanus vaccine in infants. Coulehan JL, et al. **J Infect Dis** 1983 Sep; 148(3):530–4

Immune response of infants and children to disseminated infections with Neisseria meningitidis. Griffiss JM, et al. **J Infect Dis** 1984 Jul;150(1):71–9

Response of infants to Haemophilus influenzae type b polysaccharide and diphtheria–tetanus–pertussis vaccines in combination. Lepow ML, et al. **J Infect Dis** 1984 Jun; 149(6):950–5

Immune response of owl monkeys to topical vaccination with irradiated Chlamydia trachomatis. MacDonald AB, et al. **J Infect Dis** 1984 Mar;149(3):439–42

Mucosal antitoxic and antibacterial immunity after cholera disease and after immunization with a combined B subunit–whole cell vaccine. Svennerholm AM, et al. **J Infect Dis** 1984 Jun;149(6):884–93

Large-scale production of anti-gram-negative bacterial antibodies [letter] Gaffin SL. **Lancet** 1983 Dec 17; 2(8364):1420–1

Effect of pilus dose and type of Freund's adjuvant on the antibody and protective responses of vaccinated sheep to Bacteroides nodosus. Stewart DJ, et al. **Res Vet Sci** 1983 Sep;35(2):130–7

In vitro plaque-forming cell responses induced by Streptococcus pneumoniae in humans. Beckmann E, et al. **Scand J Immunol** 1984 Jan;19(1):1–10

Opsonic and antibody responses to pneumococcal polysaccharide types 6A, 19F and 23F after vaccination of immunocompromised patients. Braconier JH, et al. **Scand J Infect Dis** 1984;16(2):161–7

Serology of tuberculosis. I. Standardization of passive haemagglutination test for the measurement of antibodies to Mycobacterium tuberculosis. Jagannath C, et al. **Tubercle** 1983 Sep;64(3):193–200

Immunogenicity of a soluble antigen against Pasteurella haemolytica-associated pneumonia in calves. Matsumoto M, et al. **Vet Res Commun** 1984 May;8(2):117–30

[Antibody formation in rabbits after vaccination with Streptococcus pyogenes cultured in the presence of subinhibitory concentrations of erythromycin] Ferne M, et al. **Pathol Biol (Paris)** 1984 May;32(5):369–71 (Eng. Abstr.) **(Fre)**

[Primary and secondary antibody reaction in acute radiation syndrome in the calf following parenteral and oral immunization with Salmonella antigen] Koch F, et al. **Arch Exp Veterinarmed** 1984 Jan;38(1):92–100 (Eng. Abstr.) **(Ger)**

[Local production of antibiotics in the CNS as a specific parameter in the immunologic diagnosis of neurosyphilis] Müller F, et al. **Z Hautkr** 1983 Aug 15;58(16):1191–9 (Eng. Abstr.) **(Ger)**

[Immune response of the biliary tract of rabbits vaccinated orally with inactivated bacterial antigens] Negretti F, et al. **Farmaco [Prat]** 1984 Aug;39(8):253–9 (Eng. Abstr.) **(Ita)**

CEREBROSPINAL FLUID

A sensitive and specific method for diagnosis of tubercular meningitis. Samuel AM, et al. **Indian J Med Res** 1983 May; 77:752–7

GENETICS

Influence of multiple genes on the magnitude of the antibody response to bacterial polysaccharide antigens. Baker PJ, et al. **Infect Immun** 1984 Jul;45(1):56–61

Multiple VH gene segments encode murine antistreptococcal antibodies. Perlmutter RM, et al. **J Exp Med** 1984 Jan 1; 159(1):179–92

IMMUNOLOGY

A monoclonal antibody against Mycobacterium lepraemurium which recognizes a cross-reacting mycobacterial antigen. Bach MA, et al. **Ann Immunol (Paris)** 1983 May–Jun;134C(3):301–9

Serum bactericidal effect on capsulated and non-capsulated Haemophilus influenzae in chronic sinusitis. Harada T, et al. **Arch Otorhinolaryngol** 1984;240(1):79–83

Prevalence of arbovirus antibodies in sera of animals in Sri Lanka. Bárdoš V, et al. **Bull WHO** 1983;61(6):987–90

Pneumococcal vaccine in elderly patients with COPD. Landesman SH, et al. **Chest** 1983 Oct;84(4):433–5

Cross-reacting opsonic antibodies to clinically important pneumococcal serotypes after pneumococcal vaccination. Braconier JH, et al. **Eur J Clin Microbiol** 1983 Oct; 2(5):453–8

The immunomodulatory effect of anti-Micrococcus luteus antibodies. I. Effect on in vitro rabbit T cell functions. Vaeck M, et al. **Eur J Immunol** 1983 Sep;13(9):772–8

Effect of streptomycin on antibody response to mannophosphoinositides in experimental tuberculosis. Malik U, et al. **Indian J Exp Biol** 1983 Sep;21(9):513–4

Immune serum confers protection against syphilitic infection on hamsters. Azadegan AA, et al. **Infect Immun** 1983 Oct; 42(1):42–7

Circulating immune complexes in experimental syphilis: identification of treponemal antigens and specific antibodies to treponemal antigens in isolated complexes. Baughn RE, et al. **Infect Immun** 1983 Nov;42(2):585–93

Characterization of monoclonal antibodies to heat-labile enterotoxin encoded by a plasmid from a clinical isolate of Escherichia coli. Belisle BW, et al. **Infect Immun** 1984 Mar;43(3):1027–32

Protective levels of human immunoglobulin G antibody to group B streptococcus type Ib. Boyer KM, et al. **Infect Immun** 1984 Sep;45(3):618–24

Classical complement pathway activation by antipneumococcal antibodies leads to covalent binding of C3b to antibody molecules. Brown EJ, et al. **Infect Immun** 1983 Nov;42(2):594–8

Specific inhibition of adsorption of Actinomyces viscosus T14V to saliva-treated hydroxyapatite by antibody against type 1 fimbriae. Clark WB, et al. **Infect Immun** 1984 Feb; 43(2):497–501

Reaction of human colostral and early milk antibodies with oral streptococci. Eggert FM, et al. **Infect Immun** 1984 Jun;44(3):660–4

Function of anti-Streptococcus mutans antibodies: anti-ribosomal antibodies inhibit acid production, growth, and glucose phosphotransferase activity. Gregory RL, et al. **Infect Immun** 1984 Jul;45(1):286–9

Effect of immune serum on infectivity of Rickettsia tsutsugamushi. Hanson BA. **Infect Immun** 1983 Oct; 42(1):341–9

A macromolecular structure produced by Pseudomonas aeruginosa is recognized by antibody to exotoxin A. Klinger KW, et al. **Infect Immun** 1984 Mar;43(3):912–9

Immunogenicity of Pseudomonas aeruginosa outer membrane antigens examined by crossed immunoelectrophoresis. Lam JS, et al. **Infect Immun** 1983 Oct;42(1):88–98

Amount and avidity of salivary and serum antibodies against Streptococcus mutans in two groups of human subjects with different dental caries susceptibility. Lehtonen OP, et al. **Infect Immun** 1984 Jan;43(1):308–13

Common and isolate-restricted antigens of Anaplasma marginale detected with monoclonal antibodies. McGuire TC, et al. **Infect Immun** 1984 Sep;45(3):697–700

Immunoglobulin A from bronchopulmonary secretions blocks bactericidal and opsonizing effects of antibody to nontypable Haemophilus influenzae. Musher DM, et al. **Infect Immun** 1984 Jul;45(1):36–40

Monoclonal antibodies specific for Escherichia coli J5 lipopolysaccharide: cross-reaction with other gram-negative bacterial species. Mutharia LM, et al. **Infect Immun** 1984 Sep;45(3):631–6

Analysis of antigenicity of Clostridium botulinum type C1 and D toxins by polyclonal and monoclonal antibodies. Oguma K, et al. **Infect Immun** 1984 Feb;43(2):584–8

Serum sensitivity of a Pseudomonas aeruginosa mucoid strain. Schiller NL, et al. **Infect Immun** 1984 Sep;45(3):748–55

Further studies of the role of noncapsular antibody in protection against experimental Haemophilus influenzae type b bacteremia. Shenep JL, et al. **Infect Immun** 1983 Oct;42(1):257–63

Antibody-dependent alternative pathway killing of Haemophilus influenzae type b. Steele NP, et al. **Infect Immun** 1984 May;44(2):452–8

Antibody in host defense against mouse pneumonitis agent

(murine Chlamydia trachomatis). Williams DM, et al. **Infect Immun** 1984 Sep;45(3):674–8

Gut mucosal, salivary and serum antitoxic and antibacterial antibody responses in Swedes after oral immunization with B subunit–whole cell cholera vaccine. Jertborn M, et al. **Int Arch Allergy Appl Immunol** 1984;75(1):38–43

Effect of treatment on antibody activity against Mycobacterium leprae antigen 7 in tuberculoid leprosy. Dahle JS, et al. **Int J Lepr** 1983 Sep;51(3):312–20

Development of an ELISA for detection of antibody in leprosy. Douglas JT, et al. **Int J Lepr** 1984 Mar;52(1):19–25

Field evaluation of an ELISA to detect antibody in leprosy patients and their contacts. Douglas JT, et al. **Int J Lepr** 1984 Mar;52(1):26–33

Specific identification of Salmonella serogroup E antigen O3 by immunofluorescence and coagglutination with antiserum elicited by a synthetic trisaccharide–bovine serum albumin glycoconjugate. Ekwall E, et al. **J Clin Microbiol** 1984 May;19(5):699–702

Fluorescent-antibody reagents for the identification of Clostridium botulinum. Glasby C, et al. **J Clin Microbiol** 1983 Dec;18(6):1378–83

Adhesion of leptospires to mouse fibroblasts (L929) and its enhancement by specific antibody. Vinh T, et al. **J Med Microbiol** 1984 Aug;18(1):73–85

Resistance and susceptibility of mice to bacterial infection. IV. Functional specificity in natural resistance to facultative intracellular bacteria. Cheers C, et al. **J Reticuloendothel Soc** 1983 Oct;34(4):299–309

A Streptococcus mutans immunogen that reacts equally with S. mutans antibody of all serotypes. Everhart DL, et al. **Med Microbiol Immunol (Berl)** 1984;172(4):215–22

Establishment of hybridoma cell lines secreting anti-Legionella pneumophila serogroup 1 monoclonal antibodies with immunodiagnostic potential. Sethi KK, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Sep; 255(2–3):294–8

[Demonstration of envelope-containing viruses by the agglutination of antibody-coated Staphylococcus aureus] Dumanova L, et al. **Vet Med Nauki** 1984;21(5):12–7 (Eng. Abstr.) **(Bul)**

[Anti-BCG titers of healthy and tuberculous Africans. Use of the indirect immunoperoxidase test] Agius G, et al. **Rev Mal Respir** 1984;1(1):19–23 (Eng. Abstr.) **(Fre)**

[Serum antibodies against Ixodes ricinus Spirochaeta in acrodermatitis chronica atrophicans (Herxheimer)] Ackermann R, et al. **Dtsch Med Wochenschr** 1984 Jan 6; 109(1):6–10 (Eng. Abstr.) **(Ger)**

[The problem of determining Treponema-specific IgM-antibodies with the TPHA test in primary syphilis] Müller F, et al. **Hautarzt** 1983 Sep;34(9):448–52 (Eng. Abstr.) **(Ger)**

[Bacterial antibodies and isoagglutinins in intravenous immunoglobulin preparations] Haase M, et al. **Immun Infekt** 1983 Jun;11(4):135–9 (Eng. Abstr.) **(Ger)**

[Treponema pallidium IgM enzyme-linked immunosorbent assay (TP-IgM-ELISA). Determination of organism-specific Treponema IgM antibodies in the serum of syphilis patients with and without central nervous system involvement of the infection] Müller F. **Z Hautkr** 1983 Dec 1;58(23):1689–708 (Eng. Abstr.) **(Ger)**

[Analysis of protective mechanisms against infection by Pseudomonas aeruginosa. The synergistic contribution of polymorphonuclear leucocytes and antibody] Ogata N. **Fukuoka Igaku Zasshi** 1983 Jun;74(6):335–50 (Eng. Abstr.) **(Jpn)**

ISOLATION & PURIFICATION

Antibodies to Rickettsia rickettsii in Peromyscus leucopus from a focus of Rocky Mountain spotted fever in Connecticut. Magnarelli LA, et al. **Can J Microbiol** 1984 Apr;30(4):491–4

High prevalence of antibodies to Chlamydia trachomatis in a Northern Canadian community. Kordová N, et al. **Can J Public Health** 1983 Jul–Aug;74(4):246–9

Isolation and characterization of a monoclonal antibody directed against type 1 fimbriae organelles from Escherichia coli. Eisenstein BI, et al. **Infect Immun** 1983 Oct;42(1):333–40

Physician utilization of a gonococcal antibody screening test. Beebe JL. **Sex Transm Dis** 1983 Oct–Dec;10(4):195–7

[Serological response of rabbits to low doses of Mycoplasma antigen] Kałużewski S, et al. **Med Dosw Mikrobiol** 1983; 35(3–4):223–33 (Eng. Abstr.) **(Pol)**

[Detection of incomplete anti-Brucella antibodies by a modified coagglutination method] Galiński J, et al. **Przegl Epidemiol** 1983;37(3–4):325–30 (Eng. Abstr.) **(Pol)**

[Occurrence of Listeria , Bedsonia, Leptospira and Brucella antibodies in workers on animal husbandry farms in Wielkopolska] Juszczyk J, et al. **Przegl Epidemiol** 1984; 38(1):11–8 (Eng. Abstr.) **(Pol)**

[Means for increasing the preparation of immune antistaphylococcal plasma for production of immunoglobulins] Timofeev GA, et al. **Gematol Transfuziol** 1984;29(5):55–7 **(Rus)**

[Elaboration and trial of meningococcal erythrocyte antibody diagnostic agents of serogroups A and C] Zhebrun AB, et al. **Tr Inst Pastera** 1981;56:82–8 (6 ref.) **(Rus)**

METABOLISM

Transplacental passage of IgG antibody to group B streptococcus serotype Ia. Boyer KM, et al. **J Pediatr** 1984 Apr;104(4):618–20

PHYSIOLOGY

Antibody-mediated bacterial adhesion to cytomegalovirus-induced Fc receptors. Potential relationship to secondary infections complicating herpesvirus infections. Mackowiak PA, et al. **J Clin Invest** 1984 Apr;73(4):987–91

Antigenic modulation induced by monoclonal antibodies: antibodies to measles virus hemagglutinin alters expression of other viral polypeptides in infected cells. Fujinami RS, et al. **J Immunol** 1984 May;132(5):2618–21

IgA-dependent cell-mediated activity against enteropathogenic bacteria: distribution, specificity, and characterization of the effector cells. Tagliabue A, et al. **J Immunol** 1984 Aug;133(2):988–92

Antibody-independent C1 activation by E. coli. Tenner AJ, et al. **J Immunol** 1984 Aug;133(2):886–91

URINE

Antigens of Mycobacterium leprae and anti-M. leprae antibodies in the urine of leprosy patients. Olcén P, et al. **Lepr Rev** 1983 Sep;54(3):203–16

Anti-Mycobacterium leprae antibodies in urine from lepromatous patients examined by crossed immunoelectrophoresis and radioimmunoassay. Olcén P, et al. **Scand J Immunol** 1984 Jun;19(6):521–8

[Detection of antibody-coated bacteria in the urine of adults with chronic pyelonephritis] Naumann G, et al. **Immun Infekt** 1983 Mar;11(2):51–4 (Eng. Abstr.) **(Ger)**

ANTIBODIES, FUNGAL

ANALYSIS

Antigenemia in primary coccidioidomycosis. Galgiani JN, et al. **Am J Trop Med Hyg** 1984 Jul;33(4):645–9

Antigen-specific immunoglobulins in patients with acute pulmonary, chronic pulmonary, or disseminated histoplasmosis. Caldwell CW, et al. **Diagn Microbiol Infect Dis** 1983 Mar;1(1):49–57

Preliminary evaluation of a passive hemagglutination assay and enzyme-linked immunosorbent assay for actinomycetoma caused by Nocardia brasiliensis [letter] Zlotnik H, et al. **Eur J Clin Microbiol** 1984 Feb;3(1):48–50

Evaluation of a rapid enzyme-linked immunosorbent assay for IgG antibodies to Aspergillus fumigatus in the serological diagnosis of allergic aspergillosis. Khan ZU, et al. **Int Arch Allergy Appl Immunol** 1984;73(3):205–11

Comparison of immunodiffusion techniques with standard complement fixation assay for quantitation of coccidioidal antibodies. Wieden MA, et al. **J Clin Microbiol** 1983 Sep; 18(3):529–34

Antigen and antibody attachment in ELISA for Aspergillus fumigatus IgG antibodies. Richardson MD, et al. **J Immunol Methods** 1984 Jan 20;66(1):119–32

Effects of bovine serum albumin on antibody determination by the enzyme-linked immunosorbent assay. Schønheyder H, et al. **J Immunol Methods** 1984 Aug 3;72(1):251–9

Human nail dust in chiropodial practice: irritant, allergen and source of antibodies to Trichophyton rubrum. Davies RR. **J R Soc Health** 1984 Feb;104(1):1–5 (18 ref.)

Immunohistopathological studies of blastomycosis: the use of labeled specific antigens in a hamster model of disease. Korkij W, et al. **Mycopathologia** 1984 Mar 15;85(1–2):17–20

Does IgM-class rheumatoid factor disturb Candida-specific IgM- diagnostics? Schrenker T, et al. **Mykosen** 1984 Apr; 27(4):185–90

Serological tests in the diagnosis of pulmonary aspergillosis. Smith JM, et al. **Pathology** 1984 Apr;16(2):184–8

The use of Histolyn CYL in an enzyme immunoassay to detect Histoplasma capsulatum antibodies. Boyer MJ, et al. **Sabouraudia** 1983 Dec;21(4):303–15

Titration of antibodies to Paracoccidioides brasiliensis by erythro-immunoassay (EIA). de Camargo ZP, et al. **Sabouraudia** 1984;22(1):73–7

Heated histoplasmin as a control for non-specificity in the complement fixation test for histoplasmosis. Pine L, et al. **Sabouraudia** 1983 Sep;21(3):233–7

IgA and IgG serum antibodies to Candida albicans in women of child-bearing age. Schønheyder H, et al. **Sabouraudia** 1983 Sep;21(3):223–31

Significance of serum antibodies to Histoplasma capsulatum in endemic areas. George RB, et al. **South Med J** 1984 Feb;77(2):161–3

Prevalence of antibodies to Dermatophilus congolensis in sheep and goats in Nigeria. Oyejide A, et al. **Vet Q** 1984 Jan;6(1):44–5

[Determination of Candida albicans antibody in the saliva and serum of leukoplakia patients] Yang L. **Chung Hua Kou Chiang Ko Tsa Chih** 1983 Dec;18(4):250–2 **(Chi)**

[Indirect immunofluorescence and cell agglutination for the detection of antibodies against Candida albicans] Kühn G. **Dermatol Monatsschr** 1983;169(7):452–61 (Eng. Abstr.) **(Ger)**

[Quantitative determination of serum antibodies to Candida albicans with the Mancini technic. A comparison with the double diffusion test and the immunofluorescence test] Schwartze G, et al. **Dermatol Monatsschr** 1983; 169(11):719–22 (Eng. Abstr.) **(Ger)**

[Comparative clinico-serologic studies of humoral antibodies against Candida using indirect immunofluorescence and microimmunodiffusion] Kühn G. **Mykosen** 1983 Aug; 26(8):400–12 (Eng. Abstr.) **(Ger)**

[Measurement of IgE and IgG antibody levels specific for Candida albicans in asthmatic children] Hida Y, et al. **Arerugi** 1983 Oct;32(10):1019–28 (Eng. Abstr.) **(Jpn)**

[Measurement of IgE and IgG antibodies against Candida albicans by RAST and ELISA, respectively, using yeast cell as solid phase] Urisu A, et al. **Arerugi** 1983 May; 32(5):282–8 (Eng. Abstr.) **(Jpn)**

[Detection of anti-aspergillus IgG type antibody in the sera by solid phase immunoradiometric assay—comparison with gel precipitation test in cases of pulmonary aspergilloma] Danbara T. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Aug;21(8):745–52 (Eng. Abstr.) **(Jpn)**

[Nature of precipitating specific antibodies of paracoccidioidomycosis (South American blastomycosis) detected by counterimmunoelectrophoresis] Fiorillo AM, et al. **Rev Inst Med Trop Sao Paulo** 1984 Jan–Feb; 26(1):25–30 (Eng. Abstr.) **(Por)**

[Immunologic indices in superficial, infiltrative and purulent forms of zooanthroponotic trichophytosis] Medvedev IuA, et al. **Vestn Dermatol Venerol** 1984 Jun;(6):62–4 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

The role of complement and antibody in opsonization and intracellular killing of Candida albicans. Pereira HA, et al. **Clin Exp Immunol** 1984 Aug;57(2):307–14

Measurement of specific IgE and IgG antibodies against Aspergillus fumigatus antigen in patient sera by use of enzyme immunoassays: influence of different procedures of antigen immobilization. van der Heide S, et al. **J Allergy Clin Immunol** 1984 Jun;73(6):813–8

Diagnostic possibilities of serology in diseases caused by members of the genus Candida berkhout. Manych J. **J Hyg Epidemiol Microbiol Immunol** 1984;28(2):207–16

A novel antibody overlay technique for two-dimensional immunoelectrophoresis. Lebecq JC, et al. **J Immunol Methods** 1984 Feb 10;66(2):219–26

Chronic dermatophyte infection: evaluation of the Ig class-specific antibody response reactive with polysaccharide and peptide antigens derived from Trichophyton mentagrophytes. Honbo S, et al. **J Invest Dermatol** 1984 Mar;82(3):287–90

ISOLATION & PURIFICATION

Monoclonal anti-glycoprotein antibody that blocks cell adhesion in Polysphondylium pallidum. Toda K, et al. **Eur J Biochem** 1984 Apr 2;140(1):73–81

Production and characterization of three monoclonal antibodies to Candida albicans proteins. Strockbine NA, et al. **Infect Immun** 1984 Mar;43(3):1012–8

Comparison of antigens and serological methods in Aspergillus fumigatus antibody detection. Kurup VP, et al. **Mykosen** 1984 Jan;27(1):43–50

Antibodies against the alpha-factor pheromone of Saccharomyces cerevisiae. Tillmann U, et al. **Z Naturforsch [C]** 1983 Nov–Dec;38(11–12):1069–71

PHYSIOLOGY

Mucormycotic infection in mice following prolonged incubation of spores in vivo and the role of spore agglutinating antibodies on spore germination. Waldorf AR, et al. **Sabouraudia** 1984;22(2):101–8

ANTIBODIES, HETEROPHILE see **ANTIBODIES, HETEROTYPIC**

ANTIBODIES, HETEROTYPIC

ANALYSIS

Immunological studies on Kawasaki disease. I. Appearance of Hanganutziu–Deicher antibodies. Takiguchi M, et al. **Clin Exp Immunol** 1984 May;56(2):345–52

Heterotypic reactions in a radioimmunoassay for coxsackie B virus specific IgM. Pugh SF. **J Clin Pathol** 1984 Apr; 37(4):433–9

Problems associated with the presence of immunofluorescent heterophile antibody in sera submitted for autoantibody screening. Scott-Morgan L, et al. **J Immunol Methods** 1984 Jan 20;66(1):69–74

Pseudohypergonadotropinemia and pseudohyperprolactinemia induced by heterophilic antibodies? Dericks-Tan JS, et al. **Klin Wochenschr** 1984 Mar 15;62(6):265–73

Characterization of human heterophil hemolysins induced by Schistosoma mansoni infection. Chamone M, et al. **Mem Inst Oswaldo Cruz** 1983 Jul–Sep;78(3):257–67

The nature of infectious mononucleosis and the role of Downey cells. Fjelde A. **Prog Clin Biol Res** 1983; 133:215–20

[Circulating immune complexes and heterophilic hemolysins in burn injury] Pashutin SB, et al. **Biull Eksp Biol Med** 1984 Mar;97(3):324–6 (Eng. Abstr.) **(Rus)**

[Effect of 5-fluorouracil on immunologic reactivity of patients with destructive pancreatitis] Belyĭ IS, et al. **Khirurgiia (Mosk)** 1983 Jul;(7):30–2 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

[Induction of antibody biosynthesis in rat spleen cells by murine immunogenic RNA] Sikorska EJ. **Med Dosw Mikrobiol** 1983;35(3–4):277–84 (Eng. Abstr.) (Pol)

CLASSIFICATION

Classification of human heterophile antibodies. Kano K, et al. **Int Arch Allergy Appl Immunol** 1984;73(4):373–7

GENETICS

Heterogeneity of the human phosphocholine-specific B cell repertoire. Stein LD, et al. **J Immunol** 1984 Mar; 132(3):1329–35

IMMUNOLOGY

Stimulation of Na+–K+ pump in sheep red blood cells by heteroimmune anti-sheep red cell antibodies. Dunham PB, et al. **Am J Physiol** 1984 Jul;247(1 Pt 1):C120–3

Circulating human antibodies as a cause of falsely depressed ferritin values. Howanitz PJ, et al. **Clin Biochem** 1983 Dec; 16(6):341–3

Heterophile antibodies in sera of patients with Chediak–Higashi syndrome. Tamura T, et al. **Int Arch Allergy Appl Immunol** 1984;73(2):186–8

Heterophile antigen common to human tissues and bovine erythrocytes. Saez L, et al. **Prog Clin Biol Res** 1983; 133:221–5

Specificity of transplantation heterophile antibodies. Tamura T, et al. **Transplantation** 1984 May;37(5):475–8

[Falsely elevated TSH value due to the presence of heterophilic antibodies] Kaihola HL, et al. **Duodecim** 1983; 99(18):1294–5 (Fin)

[The Paul–Bunnell test of maternal and cord sera] Cengiz L, et al. **Mikrobiyol Bul** 1983 Jul;17(3):191–7 (Eng. Abstr.) (Tur)

ISOLATION & PURIFICATION

Heterophile antibodies to rabbit erythrocytes in human sera and identification of the antigen as a glycolipid. Suzuki E, et al. **J Biochem (Tokyo)** 1984 Jan;95(1):103–8

ANTIBODIES, IDIOTYPIC see **IMMUNOGLOBULIN IDIOTYPES**

ANTIBODIES, MONOCLONAL

see related
HYBRIDOMAS

Monoclonal antibodies to glial fibrillary acidic protein in the cytologic diagnosis of brain tumors. Collins VP. **Acta Cytol (Baltimore)** 1984 Jul–Aug;28(4):401–6

An analysis of T-lymphocyte subpopulations in psoriasis using monoclonal antibodies. Kokelj F, et al. **Acta Derm Venereol (Stockh)** 1983;63(5):422–4

Concerning the presence of an insulin-related peptide in the human brain: an immunohistochemical reinvestigation by use of monoclonal insulin antibodies. Dorn A, et al. **Acta Histochem (Jena)** 1984;74(1):81–4

Induction of the morphologic changes of both acute and chronic experimental myasthenia by monoclonal antibody directed against acetylcholine receptor. Gomez CM, et al. **Acta Neuropathol (Berl)** 1984;63(2):131–43

Effect of single oral doses of prednisone and deflazacort on human lymphocyte distribution and functions. Analysis with monoclonal antibodies. Scudeletti M, et al. **Adv Exp Med Biol** 1984;171:335–44

Use of monoclonal antibodies to assess antigenic relationships of avian infectious bronchitis virus serotypes in the United States. Snyder DB, et al. **Adv Exp Med Biol** 1984; 173:109–13

Decreased T cell ecto-5'-nucleotidase activity in agammaglobulinemia patients is not due to altered proportions of helper and suppressor T cells as defined by the monoclonal antibodies OKT4 and OKT8. Thompson LF, et al. **Adv Exp Med Biol** 1984;165 Pt B:153–8

Immunohistologic identification of trophoblast populations in early human pregnancy with the use of monoclonal antibodies. Bulmer JN, et al. **Am J Obstet Gynecol** 1984 Jan 1;148(1):19–26

Quantitative human chorionic gonadotropin analysis. I. Comparison of an immunoradiometric assay and a radioimmunoassay. Shapiro AI, et al. **Am J Obstet Gynecol** 1984 Jan 1;148(1):72–6

Monoclonal antibodies against gastric H+ + K+ ATPase. Smolka A, et al. **Am J Physiol** 1983 Oct;245(4):G589–96

Monoclonal sperm antibodies: their potential for investigation of sperms as target of immunological contraception. Mettler L, et al. **Am J Reprod Immunol** 1984 Apr–May;5(3):125–8

Monoclonal antibody inducing human sperm agglutination. Yan YC, et al. **Am J Reprod Immunol** 1983 Oct–Nov; 4(3):111–5

Use of monoclonal antibodies directed against Eimeria tenella sporozoites to determine stage specificity and in vitro effect on parasite penetration and development. Danforth HD. **Am J Vet Res** 1983 Sep;44(9):1722–7

Xenogeneic monoclonal antibodies to cell surface antigens of equine lymphocytes. Newman MJ, et al. **Am J Vet Res** 1984 Apr;45(4):626–32

A probe of the human plasmin–alpha 2–macroglobulin interaction utilizing monoclonal antibodies to human plasmin. Cummings HS, et al. **Ann NY Acad Sci** 1983; 421:143–8

Analysis of antigenic variation of human alpha 2–macroglobulin with monoclonal antibodies. Eager KB, et al. **Ann NY Acad Sci** 1983;421:154–5

Human monoclonal antibody to a neuroectodermal tumor antigen (OFA–I–2). Katano M, et al. **Ann NY Acad Sci** 1983;417:427–34

Ceramic–supported hybridomas for continuous production of monoclonal antibodies. Marcipar A, et al. **Ann NY Acad Sci** 1983;413:416–20

Monoclonal antibodies as probes of human breast disorders. Neville AM, et al. **Ann NY Acad Sci** 1983;417:251–61

Monoclonal antibodies against AFP: application in immunoassay and affinity chromatography. Nishi S, et al. **Ann NY Acad Sci** 1983;417:452–8

Monoclonal antibodies toward the receptor–recognition site on alpha 2–macroglobulin complexes. Van Leuven F, et al. **Ann NY Acad Sci** 1983;421:434–41

The isolation of proteins from complex mixtures by immobilized monoclonal antibodies. Vetterlein DA, et al. **Ann NY Acad Sci** 1983;413:294–6

Human gastric cancer–associated antigens and carcinoembryonic antigen detected by monoclonal antibodies. Yachi A, et al. **Ann NY Acad Sci** 1983; 417:158–68

Utilization of monoclonal antibodies for antigenic characterization of coronaviruses. Vautherot JF, et al. **Ann Rech Vet** 1983;14(4):437–44

Applications of monoclonal antibodies in enzyme genetics. Harris H. **Annu Rev Genet** 1983;17:279–314 (56 ref.)

Lewis blood group antigens defined by monoclonal anti–colon carcinoma antibodies. Blaszczyk M, et al. **Arch Biochem Biophys** 1984 Aug 15;233(1):161–8

Immunoassay for bovine serum thymopoietin: discrimination from splenin by monoclonal antibodies. Fuccello A, et al. **Arch Biochem Biophys** 1984 Jan;228(1):292–8

Binding of monoclonal antibody to cathepsin M located on the external surface of rabbit lysosomes. Pontremoli S, et al. **Arch Biochem Biophys** 1984 Aug 15;233(1):267–71

Epitopes in human growth hormone and chorionic somatomammotropin studied with monoclonal antibodies. Vita N, et al. **Arch Biochem Biophys** 1983 Sep;225(2):436–45

Monoclonal antibodies against BLV–transformed sheep cells. Brief report. Hamada K, et al. **Arch Virol** 1984; 81(1–2):171–5

The characterization and purification of DNA binding proteins present within herpes simplex virus infected cells using monoclonal antibodies. la Thangue NB, et al. **Arch Virol** 1984;79(1–2):13–33

Tumour visualisation using a radiolabelled monoclonal antibody. Zalcberg JR, et al. **Aust NZ J Med** 1983 Dec; 13(6):571–7

Monoclonal antitumour antibodies for tumour detection and therapy. Baldwin RW, et al. **Behring Inst Mitt** 1984 May; (74):3–13

Identification of the native form of chicken gizzard myosin light chain kinase with the aid of monoclonal antibodies. Adachi K, et al. **Biochem Biophys Res Commun** 1983 Sep 30;115(3):855–63

Monoclonal antibody–directed immunopurification and identification of cytochromes P–450. Friedman FK, et al. **Biochem Biophys Res Commun** 1983 Nov 15;116(3):859–65

Binding of monoclonal antibody A2B5 to gangliosides. Kundu SK, et al. **Biochem Biophys Res Commun** 1983 Nov 15;116(3):836–42

Preparation and characterization of monoclonal antibodies against phenobarbital–inducible cytochrome P–450. Letawe–Goujon F, et al. **Biochem Biophys Res Commun** 1984 Mar 15;119(2):744–50

Inhibition of complement–induced [14C]sucrose release by intracellular and extracellular monoclonal antibodies to C9: evidence that C9 is a transmembrane protein. Morgan BP, et al. **Biochem Biophys Res Commun** 1984 Jan 30; 118(2):616–22

Development of a radioligand immunoassay for 1,25–dihydroxycholecalciferol receptors utilizing monoclonal antibody. Dokoh S, et al. **Biochem J** 1984 Jul 1;221(1):129–36

Production of a macromomycin (MCR)–monoclonal antibody conjugate and its biological activity. Manabe Y, et al. **Biochem Pharmacol** 1984 Jul 1;33(13):2143–5

Monoclonal antibodies reveal saccharide structures of glycoproteins and glycolipids as differentiation and tumour–associated antigens. Feizi T. **Biochem Soc Trans** 1984 Jun;12(3):545–9

Carbohydrate differentiation and cancer–associated antigens detected by monoclonal antibodies. Magnani JL. **Biochem Soc Trans** 1984 Jun;12(3):543–5

Structural and functional influence of enzyme–antibody interactions: effects of eight different monoclonal antibodies on the enzymatic activity of Escherichia coli tryptophan synthase. Djavadi–Ohaniance L, et al. **Biochemistry** 1984 Jan 3;23(1):97–104

Monoclonal antibodies to alpha–chain regions of human fibrinogen that participate in polymer formation. Ehrlich PH, et al. **Biochemistry** 1983 Aug 30;22(18):4184–92

Evidence for membrane–associated calpain I in human erythrocytes. Detection by an immunoelectrophoretic blotting method using monospecific antibody. Hatanaka M, et al. **Biochemistry** 1984 Jul 3;23(14):3272–6

Monoclonal antibody specific for yeast elongation factor 3. Hutchison JS, et al. **Biochemistry** 1984 Jun 19; 23(13):3055–63

Monoclonal antibody to the region of fibronectin involved in cross–linking to human fibrin. Sobel JH, et al. **Biochemistry** 1983 Aug 30;22(18):4175–83

Monoclonal antibodies against subunits of yeast mitochondrial H+–ATPase. Hadikusumo RG, et al. **Biochim Biophys Acta** 1984 Jun 26;765(3):258–67

Proteolysis of rat IgG subclasses by Staphylococcus aureus V8 proteinase. Rousseaux J, et al. **Biochim Biophys Acta** 1983 Oct 28;748(2):205–12

Monoclonal antibodies to rabbit and pig zonae pellucidae distinguish species–specific and shared antigenic determinants. Drell DW, et al. **Biol Reprod** 1984 Mar; 30(2):445–57

Immunoenzymatic staining of haematological samples with monoclonal antibodies. Moir DJ, et al. **Br J Haematol** 1983 Nov;55(3):395–410

Visualisation of tumours using labelled antibodies [letter] Ott RJ, et al. **Br J Radiol** 1984 Apr;57(676):353

Immunopurification. Parkhouse RM. **Br Med Bull** 1984 Jul; 40(3):297–301 (17 ref.)

Human monoclonal antibodies. Sikora K. **Br Med Bull** 1984 Jul;40(3):209–12 (37 ref.)

Monoclonal antibodies to the rat olfactory sustentacular cell. Hempstead JL, et al. **Brain Res** 1983 Dec 12; 288(1–2):289–95

Specific localization of In–111–labeled monoclonal antibody versus 67–Ga–labeled immunoglobulin in mice bearing human breast carcinoma xenografts. Haisma H, et al. **Cancer Immunol Immunother** 1984;17(1):62–5

Membrane antigen in small cell carcinoma of the lung defined by monoclonal antibody SM1. Bernal SD, et al. **Cancer Res** 1984 Jan;44(1):265–70

Identification of a human cancer–associated antigen defined with monoclonal antibody. Bhattacharya M, et al. **Cancer Res** 1984 Oct;44(10):4528–34

A monoclonal antibody to a human breast tumor protein released in response to estrogen. Brabon AC, et al. **Cancer Res** 1984 Jun;44(6):2704–10

A strategy for the production of human monoclonal antibodies reactive with lung tumor cell lines. Cole SP, et al. **Cancer Res** 1984 Jul;44(7):2750–3

Altered tumor growth in vivo after immunization of mice with antitumor antibodies. Gorczynski RM, et al. **Cancer Res** 1984 Aug;44(8):3291–8

Monoclonal antibody MCS–2 as the marker of phorbol diester–induced myeloid differentiation in acute undifferentiated leukemia. Gregg SL, et al. **Cancer Res** 1984 Jun;44(6):2724–30

Stability, characterization, and kinetics of 111In–labeled monoclonal antitumor antibodies in normal animals and nude mouse–human tumor models. Halpern SE, et al. **Cancer Res** 1983 Nov;43(11):5347–55

Monoclonal antibodies reacting with normal rat liver cells as probes in hepatocarcinogenesis. Holmes CH, et al. **Cancer Res** 1984 Apr;44(4):1611–24

A cytotoxic monoclonal antibody to colon adenocarcinoma. Kaszubowski PA, et al. **Cancer Res** 1984 Mar;44(3):1194–9

Mouse monoclonal antibody (WI–MN–1) against malignant melanoma. Khan A, et al. **Cancer Res** 1983 Dec;43(12 Pt 1):5868–72

Monoclonal antibody immunoradiometric assay for an antigenic determinant (CA 125) associated with human epithelial ovarian carcinomas. Klug TL, et al. **Cancer Res** 1984 Mar;44(3):1048–53

Tumor localization in patients by radiolabeled monoclonal antibodies against colon carcinoma. Mach JP, et al. **Cancer Res** 1983 Nov;43(11):5593–600

Identification of the gastrointestinal and pancreatic cancer–associated antigen detected by monoclonal antibody 19–9 in the sera of patients as a mucin. Magnani JL, et al. **Cancer Res** 1983 Nov;43(11):5489–92

Interaction of monoclonal antibodies with cell surface antigens of human ovarian carcinomas. Masuho Y, et al. **Cancer Res** 1984 Jul;44(7):2813–9

Growth inhibition of human tumor cells in athymic mice by anti–epidermal growth factor receptor monoclonal antibodies. Masui H, et al. **Cancer Res** 1984 Mar; 44(3):1002–7

Toxicity of a monoclonal F(ab')2:ricin A conjugate for retinoblastoma in vitro. Merriam JC, et al. **Cancer Res** 1984 Aug;44(8):3178–83

In vivo radiolocalization of antiosteogenic sarcoma monoclonal antibodies in osteogenic sarcoma xenografts. Nakamura T, et al. **Cancer Res** 1984 May;44(5):2078–83

Binding of monoclonal antibodies that inhibit spleen colony formation to leukemic cell lines. Ralph SJ, et al. **Cancer Res** 1984 Sep;44(9):3825–30

Analysis of human small cell lung cancer differentiation antigens using a panel of rat monoclonal antibodies. Rosen ST, et al. **Cancer Res** 1984 May;44(5):2052–61

Specific killing of human T–leukemia cells by immunotoxins prepared with ricin A chain and monoclonal anti–human T–cell leukemia antibodies. Seon BK. **Cancer Res** 1984 Jan; 44(1):259–64

Blocking of the response by human T–lymphocytes to extracts of autologous cancer by monoclonal antibody to Class–I major histocompatibility complex gene products in the leukocyte adherence inhibition assay. Shenouda G, et al. **Cancer Res** 1984 Jul;44(7):2762–8

Elimination of clonogenic T-leukemic cells from human bone marrow using anti-Mr 65,000 protein immunotoxins. Stong RC, et al. **Cancer Res** 1984 Jul;44(7):3000–6

Immunohistochemical study with monoclonal antibodies on immune response in human lung cancers. Watanabe S, et al. **Cancer Res** 1983 Dec;43(12 Pt 1):5883–9

The importance of traditional methods of measuring tracer biodistributions. Williams LE. **Cancer Res** 1984 Jun; 44(6):2731–2

Characterization of monoclonal antibodies directed against the envelope proteins of feline leukemia virus. Youngren SD, et al. **Cancer Res** 1984 Aug;44(8):3512–7

Monoclonal antibodies to DNA modified by a benzo[a]pyrene diol epoxide. Santella RM, et al. **Carcinogenesis** 1984 Mar;5(3):373–7

The identification of a tissue-restricted plasma membrane marker in Xenopus laevis embryos by using a monoclonal antibody. Jones EA, et al. **Cell Differ** 1984 Apr;14(1):73–83

Natural killer-like function of activated T lymphocytes: differential blocking effects of monoclonal antibodies specific for a 90-kDa clonotypic structure. Hercend T, et al. **Cell Immunol** 1984 Jul;86(2):381–92

Marked enhancement of macrophage activation induced by synthetic muramyl dipeptide (MDP) conjugate using monoclonal anti-MDP antibodies. Leclerc C, et al. **Cell Immunol** 1984 Jul;86(2):269–77

Monoclonal antibodies to the contractile proteins. Payne MR. **Cell Muscle Motil** 1983;4:137–77 (149 ref.)

Cell-cycle analysis using a monoclonal antibody to BrdUrd. Dean PN, et al. **Cell Tissue Kinet** 1984 Jul;17(4):427–36

Recognition of sodium- and potassium-dependent adenosine triphosphatase in organs of the mouse by means of a monoclonal antibody. Gorvel JP, et al. **Cell Tissue Res** 1983;234(3):619–32

Monoclonal antibodies against spermatozoa of the common carp (Cyprinus carpio L.). I. A study germ cell antigens in adult males and females. Parmentier HK, et al. **Cell Tissue Res** 1984;236(1):99–105

Clinical uses of monoclonal antibodies. Shuster J. **Clin Biochem** 1984 Apr;17(2):108–11

Comparison of monoclonal and polyclonal antibodies in a two-site binding enzyme immunoassay for alphafetoprotein (AFP). Porstmann T, et al. **Clin Chim Acta** 1983 Nov 30; 135(1):13–22

Distinct populations of class II molecules identified by monoclonal antibodies. Brickell PM, et al. **Clin Exp Immunol** 1983 Oct;54(1):117–26

Generation of monoclonal antibodies against human spermatozoa and seminal plasma constituents. Paul S, et al. **Clin Reprod Fertil** 1982 Sep;1(3):235–40

Monoclonal antibodies that label discrete cell types in the mammalian nervous system. Barnstable CJ, et al. **Cold Spring Harbor Symp Quant Biol** 1983;48 Pt 2:863–76

Use of monoclonal antibodies to study acetylcholine receptors from electric organs, muscle, and brain and the autoimmune response to receptor in myasthenia gravis. Lindstrom J, et al. **Cold Spring Harbor Symp Quant Biol** 1983;48 Pt 1:89–99

The molecular organization of the leech nervous system. McKay RD, et al. **Cold Spring Harbor Symp Quant Biol** 1983;48 Pt 2:599–610

The production of a monoclonal antibody that blocks the action of a neurite outgrowth-promoting factor. Matthew WD, et al. **Cold Spring Harbor Symp Quant Biol** 1983;48 Pt 2:625–31

Do monoclonal antibodies stain sets of functionally related leech neurons? Zipser B, et al. **Cold Spring Harbor Symp Quant Biol** 1983;48 Pt 2:551–6

Analysis of macrophage differentiation and function with monoclonal antibodies. Springer TA, et al. **Contemp Top Immunobiol** 1984;13:1–31 (150 ref.)

Monoclonal antibodies to the major protein of the murine zona pellucida: effects on fertilization and early development. East IJ, et al. **Dev Biol** 1984 Jul;104(1):49–56

Stage-specific expression of three cell surface carbohydrate antigens during murine spermatogenesis detected with monoclonal antibodies. Fenderson BA, et al. **Dev Biol** 1984 May;103(1):117–28

Monoclonal antibodies against developmentally regulated corneal antigens. Zak NB, et al. **Dev Biol** 1983 Oct; 99(2):373–81

Monoclonal antibodies against brain antigens. Adinolfi M, et al. **Dev Med Child Neurol** 1983 Oct;25(5):651–4 (25 ref.)

Monoclonal antibodies for the rapid diagnosis of respiratory syncytial virus infection by immunofluorescence. Kao CL, et al. **Diagn Microbiol Infect Dis** 1984 Jun;2(3):199–206

Expression of epithelial antigens in primary cultures of normal human breast analysed with monoclonal antibodies. Edwards PA, et al. **Differentiation** 1984;25(3):247–58

Basement membrane diversity detected by monoclonal antibodies. Hessle H, et al. **Differentiation** 1984;26(1):49–54

Monoclonal antibodies against the native or denatured forms of muscarinic acetylcholine receptors. André C, et al. **EMBO J** 1984 Jan;3(1):17–21

The glycosidic antigen recognised by a novel monoclonal antibody, 75.12, is developmentally regulated on mouse embryonal carcinoma cells. Blaineau C, et al. **EMBO J** 1983;2(12):2217–22

Immunohistochemical localization of mouse testis-specific phosphoglycerate kinase (PGK-2) by monoclonal antibodies. Blüthmann H, et al. **EMBO J** 1982;1(4):479–84

A monoclonal antibody against a 135-K Golgi membrane protein. Burke B, et al. **EMBO J** 1982;1(12):1621–8

Dissection of the human erythrocyte spectrin molecule using monoclonal antibodies. Burke BE, et al. **EMBO J** 1982; 1(4):505–8

Monoclonal cytokeratin antibodies that distinguish simple from stratified squamous epithelia: characterization on human tissues. Debus E, et al. **EMBO J** 1982;1(12):1641–7

Monoclonal antibodies to desmin, the muscle-specific intermediate filament protein. Debus E, et al. **EMBO J** 1983;2(12):2305–12

Production of specific antisera and monoclonal antibodies to choline acetyltransferase: characterization and use for identification of cholinergic neurons. Eckenstein F, et al. **EMBO J** 1982;1(3):363–8

Detection of a cytokeratin determinant common to diverse epithelial cells by a broadly cross-reacting monoclonal antibody. Gigi O, et al. **EMBO J** 1982;1(11):1429–37

Properties of a monoclonal antibody to epidermal growth factor receptor with implications for the mechanism of action of EGF. Gregorou M, et al. **EMBO J** 1984 May; 3(5):929–37

Probing yeast RNA polymerase A subunits with monospecific antibodies. Huet J, et al. **EMBO J** 1982; 1(10):1193–8

A monoclonal antibody to the heavy chain of clathrin. Louvard D, et al. **EMBO J** 1983;2(10):1655–64

Monoclonal antibodies as probes of the antigenic structure of tobacco mosaic virus. Al Moudallal Z, et al. **EMBO J** 1982;1(8):1005–10

Anti-cell surface monoclonal antibodies which antagonize the action of VIP in a human adenocarcinoma cell line (HT 29 cells). Pichon J, et al. **EMBO J** 1983;2(7):1017–22

Specificity of monoclonal antibodies against human thyroglobulin; comparison with autoimmune antibodies. Ruf J, et al. **EMBO J** 1983;2(10):1821–6

Early regenerative responses induced by monoclonal antibodies directed against a surface glycoprotein of goldfish retinal ganglion cells. Schwartz M, et al. **EMBO J** 1984 Jun;3(6):1287–93

Monoclonal antibody against the carboxy terminal peptide of pp60src of Rous sarcoma virus reacts with native pp60src. Tamura T, et al. **EMBO J** 1982;1(12):1479–85

Amino acid sequence requirements in the epitope recognized by the alpha-tubulin-specific rat monoclonal antibody YL 1/2. Wehland J, et al. **EMBO J** 1984 Jun;3(6):1295–300

Monoclonal antibodies to the rat liver glucocorticoid receptor. Westphal HM, et al. **EMBO J** 1982;1(11):1467–71

Characterization of a monoclonal antibody to the rat liver glucocorticoid receptor. Gametchu B, et al. **Endocrinology** 1984 Jan;114(1):274–9

Immunocytochemical localization of estrogen receptors in the macaque reproductive tract with monoclonal antiestrophilins. McClellan MC, et al. **Endocrinology** 1984 Jun;114(6):2002–14

Characterization of monoclonal antibody 3G5 and utilization of this antibody to immobilize pancreatic islet cell gangliosides in a solid phase radioassay. Powers AC, et al. **Endocrinology** 1984 Apr;114(4):1338–43

Evidence for a structural relationship between apoB75kDa and human plasma apolipoprotein B 100, from translation of human liver mRNA in vitro and immunochemical studies with monoclonal and polyclonal antibodies. Boström K, et al. **Eur J Biochem** 1984 Aug 15;143(1):101–7

Antigenic determinants of human placental and testicular placental-like alkaline phosphatases as mapped by monoclonal antibodies. Millán JL, et al. **Eur J Biochem** 1983 Oct 17;136(1):1–7

Binding sites for monoclonal antibodies and for mRNPs on SV40 large T-antigen determined with a cleavage map. Schwyzer M, et al. **Eur J Biochem** 1983 Dec 1; 137(1–2):303–9

Human monoclonal antibody to ganglioside GD2-inhibited human melanoma xenograft. Katano M, et al. **Eur J Cancer Clin Oncol** 1984 Aug;20(8):1053–9

Viral glycoproteins at different stages of intracellular transport can be distinguished using monoclonal antibodies. Burke B, et al. **Eur J Cell Biol** 1983 Sep;31(2):315–24

Axonal sub-populations in the central nervous system demonstrated using monoclonal antibodies against alpha-tubulin. Cumming R, et al. **Eur J Cell Biol** 1983 Sep; 31(2):241–8

Monoclonal antibodies specific for vimentin. Osborn M, et al. **Eur J Cell Biol** 1984 May;34(1):137–43

Chromosome assignment of monoclonal antibody-defined determinants on human leukemic cells. Katz F, et al. **Eur J Immunol** 1983 Dec;13(12):1008–13

Allotypic restriction of the expression of MOPC460 idiotope after immunization with either anti-2,4-dinitrophenyl (DNP) or anti-idiotypic antibodies. Sanchez P, et al. **Eur J Immunol** 1983 Dec;13(12):999–1003

Public and individual idiotopes in the anti-poly(Glu60, Ala30, Tyr10) response: analysis by monoclonal antibodies. Somme G, et al. **Eur J Immunol** 1983 Dec;13(12):1023–30

Specificity, duration and mechanism of idiotype suppression induced by neonatal injection of monoclonal anti-idiotope antibodies into mice. Takemori T, et al. **Eur J Immunol** 1984 Jul;14(7):656–67

Analysis of proportion regulation in slugs of Dictyostelium discoideum using a monoclonal antibody and a FACS-IV. Krefft M, et al. **Exp Cell Res** 1983 Aug;147(1):235–9

Monoclonal antibodies against diphtheria toxin fragment A. Characterization and introduction into living cells. Yoshimori T, et al. **Exp Cell Res** 1984 Apr;151(2):344–53

Identification of Mr variants of prolactin with monoclonal antibodies. Aston R, et al. **FEBS Lett** 1984 Jun 11; 171(2):192–6

Characteristics of platelet aggregation induced by the monoclonal antibody ALB6 (acute lymphoblastic leukemia antigen p 24). Inhibition of aggregation by ALB6Fab. Boucheix C, et al. **FEBS Lett** 1983 Sep 19;161(2):289–95

Monoclonal antibodies block the trypsin cleavage site on human placental alkaline phosphatase. Jemmerson R, et al. **FEBS Lett** 1984 Aug 6;173(2):357–9

Immunochemical characterization of charge isomers of bacteria-derived human growth hormone with monoclonal antibodies. Jónsdóttir I, et al. **FEBS Lett** 1984 Feb 13; 167(1):15–8

Isolation of (a subunit of) the Na+/D-glucose cotransporter(s) of rabbit intestinal brush border membranes using monoclonal antibodies. Schmidt UM, et al. **FEBS Lett** 1983 Sep 19;161(2):279–83

Monoclonal antibodies which prevent experimental lung metastases. Interference with the adhesion of tumour cells to laminin. Vollmers HP, et al. **FEBS Lett** 1984 Jun 25; 172(1):17–20

Analysis of epithelial cell surface polarity with monoclonal antibodies. Ojakian GK, et al. **Fed Proc** 1984 May 15; 43(8):2208–16

Monoclonal and anti-idiotypic antibodies as probes for receptor structure and function. Venter JC, et al. **Fed Proc** 1984 Jul;43(10):2532–9

Monoclonal antibody reactive with the sialyl-sugar residue of a high molecular weight glycoprotein in sera of cancer patients. Hirohashi S, et al. **Gann** 1984 Jun;75(6):485–8

Analysis of leukemic cells by monoclonal antibodies [letter] Delfini C, et al. **Haematologica (Pavia)** 1984 Mar-Apr; 69(2):238–40

Development and application of a monoclonal rat peroxidase antiperoxidase (PAP) immunocytochemical reagent. Cuello AC, et al. **Histochemistry** 1984;80(3):257–61

Preparation of monoclonal antibody-ferritin conjugates of high specific activity. Rudick RA, et al. **Histochemistry** 1984;80(3):269–72

Monoclonal antibody against cytoplasmic lectins of Dictyostelium discoideum: cross-reactivity with a membrane glycoprotein, contact site A, and with E. coli beta-galactosidase and lac repressor. Stadler J, et al. **Hoppe Seylers Z Physiol Chem** 1984 Mar;365(3):283–8

Detection of mycoplasma contamination lymphoblastoid cell lines by monoclonal antibodies. Radka SF, et al. **Hum Immunol** 1984 Feb;9(2):111–6

Analysis of monoclonal antibodies reactive with human class II beta chains by two-dimensional electrophoresis and Western blotting. Radka SF, et al. **Hum Immunol** 1984 Jul; 10(3):177–86

Enhancement of idiotype-anti-idiotype T cell interactions by monoclonal OKT11A antibody. Rohowsky-Kochan C, et al. **Hum Immunol** 1984 Feb;9(2):103–10

Monoclonal antibody analysis of responder and stimulator cells in the human autologous mixed lymphocyte reaction. Nikaein A, et al. **Immunobiology** 1984 Mar;166(2):190–202

A matrix approach to human class II histocompatibility antigens: reactions of four monoclonal antibodies with the products of nine haplotypes. Brodsky FM. **Immunogenetics** 1984;19(3):179–94

A monoclonal antibody recognizing HLA-DR2 on malignant and activated cells. Fuggle SV, et al. **Immunogenetics** 1983; 18(4):415–28

Monoclonal antibodies reactive with H-2 determinants. Harmon RC, et al. **Immunogenetics** 1983;18(5):541–5

The Ly-25.1 specificity: definition with a monoclonal antibody. Hogarth PM, et al. **Immunogenetics** 1984; 19(1):83–6

Genetic characterization of mouse immunoglobulin allotypic determinants (allotopes) defined by monoclonal antibodies. Huang CM, et al. **Immunogenetics** 1983;18(4):311–21

Structural polymorphism of human Ia antigens recognized by the monoclonal antibody I2 and by cross-reacting I-Ek-specific alloantibodies. Igarashi M, et al. **Immunogenetics** 1984;19(3):249–55

Serologic dissection of HLA-D specificities by the use of monoclonal antibodies. II. Distinction between HLA-Dw2 and HLA-Dw12. Kasahara M, et al. **Immunogenetics** 1983; 18(5):525–36

Structural characterization of mouse immunoglobulin allotypic determinants (allotopes) defined by monoclonal antibodies. Parsons M, et al. **Immunogenetics** 1983; 18(4):323–34

HLA-DR7-specific monoclonal antibodies and a chimpanzee anti-DR7 serum detect different epitopes on the same molecule. Radka SF, et al. **Immunogenetics** 1984; 19(1):63–76

Studies on the lymphocyte subpopulation in systemic lupus erythematosus by monoclonal antibodies. Surányi P, et al. **Immunol Lett** 1983;7(2):57–60

Monoclonal antibody against a genus-specific antigen of Chlamydia species: location of the epitope on chlamydial lipopolysaccharide. Caldwell HD, et al. **Infect Immun** 1984 May;44(2):306–14

Study of heart-reactive antibody in antisera and hybridoma culture fluids against group A streptococci. Cunningham MW, et al. **Infect Immun** 1983 Nov;42(2):531–8

Specificity of Mycobacterium tuberculosis antigen 5 determined with mouse monoclonal antibodies. Daniel TM,

et al. **Infect Immun** 1984 Jul;45(1):52–5

Production and characterization of monoclonal antibodies to exotoxin A from Pseudomonas aeruginosa. Galloway DR, et al. **Infect Immun** 1984 May;44(2):262–7

Antigenic heterogeneity of Bacteroides intermedius as recognized by monoclonal antibodies. Gmür R, et al. **Infect Immun** 1983 Nov;42(2):459–70

A set of two monoclonal antibodies specific for the cell surface-exposed 39K major outer membrane protein of Haemophilus influenzae type b defines all strains of this pathogen. Gulig PA, et al. **Infect Immun** 1983 Nov; 42(2):516–24

Antigenic analysis of Japanese encephalitis virus by using monoclonal antibodies. Kobayashi Y, et al. **Infect Immun** 1984 Apr;44(1):117–23

Monoclonal antibodies to subgroup 1 rotavirus. Singh N, et al. **Infect Immun** 1983 Nov;42(2):835–7

Specific and common antigens of Trichomonas vaginalis detected by monoclonal antibodies. Torian BE, et al. **Infect Immun** 1984 Jan;43(1):270–5

Monoclonal antibodies distinguish phase variants of Coxiella burnetii. Williams JC, et al. **Infect Immun** 1984 Jan; 43(1):421–8

Generation and characterization of monoclonal antibodies to the phenolic glycolipid of Mycobacterium leprae. Young DB, et al. **Infect Immun** 1984 Jan;43(1):183–8

Tumour localisation of 211At-labelled monoclonal antibody to a sub-cutaneous human heterograft in the nude mouse II. Bateman WJ, et al. **Int J Nucl Med Biol** 1983;10(4):241–4

A comparative study between animals and monoclonal anti-digitoxin antibodies. Collignon A, et al. **Int J Nucl Med Biol** 1984;11(1):97–101

Absence of human leukocyte antigen molecules in skin tumors and some cutaneous appendages: evidence using monoclonal antibodies. Holden CA, et al. **J Am Acad Dermatol** 1983 Dec;9(6):867–71

The monoclonal antibody directed to difucosylated type 2 chain (Fuc alpha 1 leads to 2Gal beta 1 leads to 4[Fuc alpha 1 leads to 3]GlcNAc; Y Determinant). Abe K, et al. **J Biol Chem** 1983 Oct 10;258(19):11793–7

Specificity and kinetics defining the interaction between a murine monoclonal autoantibody and DNA. Ballard DW, et al. **J Biol Chem** 1984 Mar 25;259(6):3492–8

Monoclonal antibodies to human terminal transferase. Bollum FJ, et al. **J Biol Chem** 1984 May 10;259(9):5848–50

A monoclonal antibody modulates the interaction of nerve growth factor with PC12 cells. Chandler CE, et al. **J Biol Chem** 1984 Jun 10;259(11):6882–9

Inhibition of embryonic neural retina cell-substratum adhesion with a monoclonal antibody. Cole GJ, et al. **J Biol Chem** 1984 Apr 10;259(7):4031–4

Monoclonal antibodies against rat brain hexokinase. Effects on catalytic function and binding to the outer mitochondrial membrane. Finney KG, et al. **J Biol Chem** 1984 Jul 10;259(13):8232–7

Evidence for the platelet-derived growth factor-stimulated tyrosine phosphorylation of the platelet-derived growth factor receptor in vivo. Immunopurification using a monoclonal antibody to phosphotyrosine. Frackelton AR Jr, et al. **J Biol Chem** 1984 Jun 25;259(12):7909–15

Monoclonal antibody-directed phenotyping of cytochrome P-450-dependent aryl hydrocarbon hydroxylase and 7-ethoxycoumarin deethylase in mammalian tissues. Fujino T, et al. **J Biol Chem** 1984 Jul 25;259(14):9044–50

A monoclonal antibody directed to N-acetylneuraminosyl-alpha 2 leads to 6-galactosyl residue in gangliosides and glycoproteins. Hakomori S, et al. **J Biol Chem** 1983 Oct 10;258(19):11819–22

Type VI collagen. Studies on its localization, structure, and biosynthetic form with monoclonal antibodies. Hessle H, et al. **J Biol Chem** 1984 Mar 25;259(6):3955–61

Immunologic characterization of the photoreceptor outer segment cyclic GMP phosphodiesterase. Hurwitz RL, et al. **J Biol Chem** 1984 Jul 10;259(13):8612–8

Three molecular weight forms of natural human interferon-gamma revealed by immunoprecipitation with monoclonal antibody. Kelker HC, et al. **J Biol Chem** 1984 Apr 10;259(7):4301–4

The use of monoclonal antibodies for the characterization of a 5 S gene-specific transcription factor (IIIA) from Xenopus laevis. Krämer A, et al. **J Biol Chem** 1983 Oct 10;258(19):11915–23

Characterization of the cytochrome d terminal oxidase complex of Escherichia coli using polyclonal and monoclonal antibodies. Kranz RG, et al. **J Biol Chem** 1984 Jun 25;259(12):7998–8003

Monoclonal antibodies to heterogeneous nuclear RNA-protein complexes. The core proteins comprise a conserved group of related polypeptides. Leser GP, et al. **J Biol Chem** 1984 Feb 10;259(3):1827–33

The effect of monoclonal antibodies to the human transferrin receptor on transferrin and iron uptake by rat and rabbit reticulocytes. McArdle HJ, et al. **J Biol Chem** 1984 Feb 10;259(3):1398–400

Monoclonal antibodies to alpha 2u-globulin and immunocytofluorometric analysis of alpha 2u-globulin-synthesizing hepatocytes during androgenic induction and aging. Motwani NM, et al. **J Biol Chem** 1984 Mar 25;259(6):3653–7

Interaction of AP-2, a monoclonal antibody specific for the human platelet glycoprotein IIb-IIIa complex, with intact platelets. Pidard D, et al. **J Biol Chem** 1983 Oct 25; 258(20):12582–6

Three monoclonal antibodies to rabbit microsomal cytochrome P-450 1 recognize distinct epitopes that are shared to different degrees among other electrophoretic types of cytochrome P-450. Reubi I, et al. **J Biol Chem** 1984 May 10;259(9):5887–92

A monoclonal antibody to an oocyte-specific poly(A) RNA-binding protein. Richter JD, et al. **J Biol Chem** 1984 Feb 25;259(4):2190–4

Monoclonal antibodies directed against mammalian RNA polymerase I. Identification of the catalytic center. Rose KM, et al. **J Biol Chem** 1983 Nov 10;258(21):12976–81

Regulation of the insulin receptor by a monoclonal anti-receptor antibody. Evidence that receptor down regulation can be independent of insulin action. Roth RA, et al. **J Biol Chem** 1983 Oct 25;258(20):12094–7

Topology of phage lambda receptor protein. Mapping targets of proteolytic cleavage in relation to binding sites for phage or monoclonal antibodies. Schenkman S, et al. **J Biol Chem** 1984 Jun 25;259(12):7570–6

Anti-apoprotein B monoclonal antibodies detect human low density lipoprotein polymorphism. Schumaker VN, et al. **J Biol Chem** 1984 May 25;259(10):6423–30

Monoclonal antibody-directed radioimmunoassay of specific cytochromes P-450. Song BJ, et al. **J Biol Chem** 1984 Feb 10;259(3):1394–7

Monoclonal antibodies to rabbit skeletal muscle protein phosphatases C-I and C-II. Speth M, et al. **J Biol Chem** 1984 Mar 25;259(6):3475–81

Monoclonal antibody specific for lactosylceramide. Symington FW, et al. **J Biol Chem** 1984 May 10; 259(9):6008–12

Characterization of nine monoclonal antibodies against rat hepatic cytochrome P-450c. Delineation of at least five spatially distinct epitopes. Thomas PE, et al. **J Biol Chem** 1984 Mar 25;259(6):3890–9

Generation of monoclonal antibodies to RNA polymerase II for the identification of transcriptional factors. Tsai SY, et al. **J Biol Chem** 1984 Sep 25;259(18):11587–93

Lipid-dependent recovery of alpha-bungarotoxin and monoclonal antibody binding to the purified alpha-subunit from Torpedo marmorata acetylcholine receptor. Enhancement by noncompetitive channel blockers. Tzartos SJ, et al. **J Biol Chem** 1984 Sep 25;259(18):11512–9

A monoclonal antibody showing cross-reactivity toward three calmodulin-dependent enzymes. Wang KC, et al. **J Biol Chem** 1983 Oct 25;258(20):12110–3

Isolation of human erythropoietin with monoclonal antibodies. Yanagawa S, et al. **J Biol Chem** 1984 Mar 10; 259(5):2707–10

Intracellular localization of two distinct Ca2+-proteases (calpain I and calpain II) as demonstrated by using discriminative antibodies. Yoshimura N, et al. **J Biol Chem** 1984 Aug 10;259(15):9847–52

Monoclonal antibodies in diagnostic pathology: techniques and applications. Gatter KC, et al. **J Biol Response Mod** 1983;2(4):369–95

Localization of C-protein isoforms in chicken skeletal muscle: ultrastructural detection using monoclonal antibodies. Dennis JE, et al. **J Cell Biol** 1984 Apr; 98(4):1514–22

Peripheral proteins of postsynaptic membranes from Torpedo electric organ identified with monoclonal antibodies. Froehner SC. **J Cell Biol** 1984 Jul;99(1 Pt 1):88–96

Inhibition of acanthamoeba actomyosin-II ATPase activity and mechanochemical function by specific monoclonal antibodies. Kiehart DP, et al. **J Cell Biol** 1984 Sep; 99(3):1024–33

Immunoprecipitation of nonerythrocyte spectrin within live cells following microinjection of specific antibodies: relation to cytoskeletal structures. Mangeat PH, et al. **J Cell Biol** 1984 Apr;98(4):1363–77

Monoclonal antibody analysis of keratin expression in epidermal diseases: a 48- and 56-kdalton keratin as molecular markers for hyperproliferative keratinocytes. Weiss RA, et al. **J Cell Biol** 1984 Apr;98(4):1397–406

Verapamil enhances the toxicity of conjugates of epidermal growth factor with Pseudomonas exotoxin and antitransferrin receptor with Pseudomonas exotoxin. Akiyama S, et al. **J Cell Physiol** 1984 Sep;120(3):271–9

Characterization of monoclonal antibodies derived from lymphocytes from Graves' disease patients in a cytochemical bioassay for thyroid stimulators. Ealey PA, et al. **J Clin Endocrinol Metab** 1984 May;58(5):909–14

Hereditary abnormalities of the OKT4 human lymphocyte epitope in two families. Karol RA, et al. **J Clin Immunol** 1984 Jan;4(1):71–4

Anti-DNA autoantibody-producing hybridomas of normal human lymphoid cell origin. Cairns E, et al. **J Clin Invest** 1984 Sep;74(3):880–7

Pseudomonas exotoxin-anti-TAC. Cell-specific immunotoxin active against cells expressing the human T cell growth factor receptor. FitzGerald DJ, et al. **J Clin Invest** 1984 Sep;74(3):966–71

Direct depletion and purification of monoclonal antibody defined cells from unfractionated human mononuclear leukocytes using antibody coated polystyrene Petri dishes. Cooper KD, et al. **J Clin Lab Immunol** 1984 Feb; 13(2):97–100

Use of monoclonal antibodies to human immunoglobulin M in 'capture' assays for measles and rubella immunoglobulin M. Forghani B, et al. **J Clin Microbiol** 1983 Sep;18(3):652–7

Serogrouping and subtyping of Legionella pneumophila with monoclonal antibodies. Joly JR, et al. **J Clin Microbiol** 1983 Nov;18(5):1040–6

Immunocytochemical staining of cells in pleural and peritoneal effusions with a panel of monoclonal antibodies. Ghosh AK, et al. **J Clin Pathol** 1983 Oct;36(10):1154–64

Simple immunocytochemical staining procedure for lymphoid cell surface markers done on cell smears. Hui PK, et al. **J Clin Pathol** 1984 Jun;37(6):708–9

Precursors of T cell growth factor producing cells in the thymus: ontogeny, frequency, and quantitative recovery in a subpopulation of phenotypically mature thymocytes defined by monoclonal antibody GK-1.5. Ceredig R, et al. **J Exp Med** 1983 Nov 1;158(5):1654–71

The distribution of fibronectin in rat tooth and periodontal tissues: an immunofluorescence study using a monoclonal antibody. Connor NS, et al. **J Histochem Cytochem** 1984 Jun;32(6):565–72

Immunoenzymatic labeling of monoclonal antibodies using immune complexes of alkaline phosphatase and monoclonal anti-alkaline phosphatase (APAAP complexes). Cordell JL, et al. **J Histochem Cytochem** 1984 Feb;32(2):219–29

Characterization and immunocytochemical application of monoclonal antibodies against enkephalins. Cuello AC, et al. **J Histochem Cytochem** 1984 Sep;32(9):947–57

Radioimmunocytochemical localization of retinal S-antigen with monoclonal antibodies. Das ND, et al. **J Histochem Cytochem** 1984 Aug;32(8):834–8

Immunocytochemical localization of Mullerian inhibiting substance in the rough endoplasmic reticulum and Golgi apparatus in Sertoli cells of the neonatal calf testis using a monoclonal antibody. Hayashi M, et al. **J Histochem Cytochem** 1984 Jun;32(6):649–54

Human natural killer cell recognition of herpes simplex virus type 1 glycoproteins: specificity analysis with the use of monoclonal antibodies and antigenic variants. Bishop GA, et al. **J Immunol** 1984 Oct;133(4):2206–14

A human monoclonal antibody to cytomegalovirus (CMV). Emanuel D, et al. **J Immunol** 1984 Oct;133(4):2202–5

The use of conventional antisera in the production of specific monoclonal antibodies. Eager KB, et al. **J Immunol Methods** 1983 Nov 11;64(1–2):157–64

A two-site sandwich radioimmunoassay of human fibroblast (beta-) interferon with monoclonal antibodies. Sano T, et al. **J Immunol Methods** 1983 Nov 11;64(1–2):31–7

The measurement of antibody affinity: a comparison of five techniques utilizing a panel of monoclonal anti-DNP antibodies and the effect of high affinity antibody on the measurement of low affinity antibody. Stanley C, et al. **J Immunol Methods** 1983 Nov 11;64(1–2):119–32

Serological classification of Neisseria gonorrhoeae with use of monoclonal antibodies to gonococcal outer membrane protein I. Knapp JS, et al. **J Infect Dis** 1984 Jul;150(1):44–8

Protective efficacy of hybridoma type-specific antibody against experimental infection with group-B Streptococcus. Shigeoka AO, et al. **J Infect Dis** 1984 Mar; 149(3):363–72

Preliminary crystallographic study of the Fab fragment of a monoclonal anti-phenylarsonate antibody possessing a major idiotypic specificity [letter] Amit AG, et al. **J Mol Biol** 1983 Sep 15;169(2):637–8

Preliminary crystallographic study of the complex between the Fab fragment of a monoclonal anti-lysozyme antibody and its antigen. Mariuzza RA, et al. **J Mol Biol** 1983 Nov 15;170(4):1055–8

Preliminary crystallographic data for a monoclonal Fab fragment specific for HPr of the phosphoenolpyruvate: sugar phosphotransferase system of Escherichia coli. Vandonselaar M, et al. **J Mol Biol** 1984 Aug 5; 177(2):369–71

Identification of several forms of the glial fibrillary acidic protein, or alpha-albumin, by a specific monoclonal antibody. Gheuens J, et al. **J Neurochem** 1984 Oct; 43(4):964–70

18B1: an axon-specific antigen associated with many proteins. Hawkes R, et al. **J Neurochem** 1984 Feb;42(2):587–9

A library of monoclonal antibodies to Torpedo cholinergic synaptosomes. Kushner PD. **J Neurochem** 1984 Sep; 43(3):775–86

Production and characterization of monoclonal antibodies to peripheral and central nervous system myelin. Miller SL, et al. **J Neurochem** 1984 Aug;43(2):394–400

The stability of solubilized mammalian muscle acetylcholine receptors during purification by monoclonal immunoadsorption. Momoi MY, et al. **J Neurochem** 1984 Jan;42(1):59–64

Localisation of the MRC OX-2 glycoprotein on the surfaces of neurones. Webb M, et al. **J Neurochem** 1984 Oct; 43(4):1061–7

Mumps virus infection of the developing mouse brain--appearance of structural virus proteins demonstrated with monoclonal antibodies. Kristensson K, et al. **J Neuropathol Exp Neurol** 1984 Mar;43(2):131–40

Monoclonal antibodies to specific astroglial and neuronal antigens reveal the cytoarchitecture of the Bergmann glia fibers in the cerebellum. de Blas AL. **J Neurosci** 1984 Jan; 4(1):265–73

Tissue distribution of poly(hexyl 2-cyanoacrylate) nanoparticles coated with monoclonal antibodies in mice bearing human tumor xenografts. Illum L, et al. **J Pharmacol Exp Ther** 1984 Sep;230(3):733–6

Reversal of lethal digoxin toxicity in guinea pigs using

monoclonal antibodies and Fab fragments. Lechat P, et al. **J Pharmacol Exp Ther** 1984 Apr;229(1):210–3
Monoclonal antibody to the hen oviduct progesterone receptor produced following in vitro immunization. Dicker PD, et al. **J Steroid Biochem** 1984 Jan;20(1):43–50
Production of high affinity monoclonal antibodies to deoxycorticosterone. Al-Dujaili EA, et al. **J Steroid Biochem** 1984 Apr;20(4A):849–52
Characterisation of monoclonal antibodies raised against testosterone. Fantl VE, et al. **J Steroid Biochem** 1983 Nov; 19(5):1605–10
Immunobiochemical characterization with monoclonal antibodies of Epstein-Barr virus-associated early antigens in chemically induced cells. Epstein AL. **J Virol** 1984 May; 50(2):372–9
Monoclonal antibodies to the transforming protein of Fujinami avian sarcoma virus discriminate between different fps-encoded proteins. Ingman-Baker J, et al. **J Virol** 1984 May;50(2):572–8
Neutralization of Newcastle disease virus by monoclonal antibodies to the hemagglutinin-neuraminidase glycoprotein: requirement for antibodies to four sites for complete neutralization. Iorio RM, et al. **J Virol** 1984 Aug; 51(2):445–51
Monoclonal antibodies suppress replication of herpes simplex virus type 1 in trigeminal ganglia. Oakes JE, et al. **J Virol** 1984 Sep;51(3):656–61
Monoclonal antibodies to Rous sarcoma virus pp60src react with enzymatically active cellular pp60src of avian and mammalian origin. Parsons SJ, et al. **J Virol** 1984 Aug; 51(2):272–82
Antibodies to a synthetic oligopeptide that react with herpes simplex virus type 1 and 2 glycoprotein C. Zweig M, et al. **J Virol** 1984 Aug;51(2):430–6
Monoclonal antibodies reactive with small cell carcinoma of the lung. Ball ED, et al. **JNCI** 1984 Mar;72(3):593–8
Phenotyping of lesions of melanocyte origin with monoclonal antibodies to melanoma-associated antigens and to HLA antigens. Natali PG, et al. **JNCI** 1984 Jul;73(1):13–24
Determination of cell surface membrane antigens common to both human neuroblastoma and leukemia-lymphoma cell lines by a panel of 38 monoclonal antibodies. Sugimoto T, et al. **JNCI** 1984 Jul;73(1):51–7
Human monoclonal antibody against ganglioside GD2: use in development of enzyme-linked immunosorbent assay for the monitoring of anti-GD2 in cancer patients. Tai T, et al. **JNCI** 1984 Sep;73(3):627–33
Monoclonal antibodies to human mammary carcinoma associated antigens and their potential uses for diagnosis, prognosis, and therapy. Colcher D, et al. **Lab Res Methods Biol Med** 1983;8:215–58
Rapid detection of Chlamydia trachomatis with monoclonal antibodies [letter] **Lancet** 1984 Jul 7;2(8393):38
Rapid detection of Chlamydia trachomatis with monoclonal antibodies [letter] Mallinson H, et al. **Lancet** 1984 May 26; 1(8387):1180–1
Location of metastatic breast carcinoma by a monoclonal antibody chelate labelled with indium-111. Rainsbury RM, et al. **Lancet** 1983 Oct 22;2(8356):934–8
Elimination of graft-versus-host disease by in-vitro depletion of alloreactive lymphocytes with a monoclonal rat anti-human lymphocyte antibody (CAMPATH-1). Waldmann H, et al. **Lancet** 1984 Sep 1;2(8401):483–6
Generating monoclonal antibodies to the opioid receptor. Bidlack JM, et al. **Life Sci** 1983;33 Suppl 1:151–4
Production of monoclonal antibodies reacting with the cytoplasm and surface of differentiated cells. Scearce RM, et al. **Methods Enzymol** 1983;103:459–69
A monoclonal antibody that detects vimentin-related proteins in invertebrates. Walter MF, et al. **Mol Cell Biochem** 1984;60(2):99–108
Characterization of heterogeneous nuclear RNA-protein complexes in vivo with monoclonal antibodies. Dreyfuss G, et al. **Mol Cell Biol** 1984 Jun;4(6):1104–14
Inhibition of antigen-induced T-cell clone proliferation by antigen-specific antibodies. Corradin G, et al. **Nature** 1984 Apr 5–11;308(5959):547–8
Monoclonal antibodies identify blastemal cells derived from dedifferentiating limb regeneration. Kintner CR, et al. **Nature** 1984 Mar 1–7;308(5954):67–9
Monoclonal antibody production by receptor-mediated electrically induced cell fusion. Lo MM, et al. **Nature** 1984 Aug 30–Sep 5;310(5980):792–4
HLA class II antigens and monoclonal antibodies [news] Shaw S, et al. **Nature** 1983 Dec 8–14;306(5943):538–9
Monoclonal antibodies distinguish between storage and secreted forms of eosinophil cationic protein. Tai PC, et al. **Nature** 1984 May 10–16;309(5964):182–4
Monoclonal cryoglobulins and pyroglobulins. Tichý M, et al. **Neoplasma** 1984;31(4):381–4
Human glioma associated and related antigens, identified by monoclonal antibodies. Yoshida J, et al. **Neurosurg Rev** 1984;7(1):23–8
Serotyping of meningococci by coagglutination with monoclonal antibodies. Frøholm LO, et al. **NIPH Ann** 1983 Dec;6(2):125–31
Monoclonal antibodies against pregnancy-specific beta 1-glycoprotein (SP1) in immunohistochemistry and radioimmunoassay. Wahlström T, et al. **Oncodev Biol Med** 1983;4(6):423–7
Immune complexes of IgG1 and IgG3 subclasses in human breast cancer sera detected by monoclonal antibodies in an indirect immunoenzymatic assay. Manzo C, et al. **Oncology** 1983;40(6):395–9
Monoclonal antibody neutralizes the sporozoite stage of different Theileria parva stocks. Dobbelaere DA, et al. **Parasite Immunol** 1984 Jul;6(4):361–70
Reactivity of histiocytosis X cells with monoclonal antibodies. Rousseau-Merck MF, et al. **Pathol Res Pract** 1983 Jun;177(1):8–12
Production of human monoclonal IgG antibodies against Rhesus (D) antigen. Bron D, et al. **Proc Natl Acad Sci USA** 1984 May;81(10):3214–7
Use of monoclonal antibodies as sensitive and specific probes for biologically active human gamma-interferon. Chang TW, et al. **Proc Natl Acad Sci USA** 1984 Aug; 81(16):5219–22
Cell surface antigens of human bladder cancer defined by mouse monoclonal antibodies. Fradet Y, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(1):224–8
Shared antigenic determinant between the Electrophorus acetylcholine receptor and a synaptic component on chicken ciliary ganglion neurons. Jacob MH, et al. **Proc Natl Acad Sci USA** 1984 May;81(10):3223–7
Immunological evidence for the in vivo occurrence of (2'-5')adenylyladenosine oligonucleotides in eukaryotes and prokaryotes. Laurence L, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(8):2322–6
Monoclonal antibodies to purified muscarinic receptor display agonist-like activity. Leiber D, et al. **Proc Natl Acad Sci USA** 1984 Jul;81(14):4331–4
Use of a monoclonal antibody as a substrate for mature neurons in vitro. MacLeish PR, et al. **Proc Natl Acad Sci USA** 1983 Nov;80(22):7014–8
Monoclonal antibody cross-reactions between Drosophila and human brain. Miller CA, et al. **Proc Natl Acad Sci USA** 1983 Dec;80(24):7641–5
Characterization of monoclonal antibodies to serum galactosyltransferase. Podolsky DK, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(8):2529–33
Monoclonal antibodies against murine gamma interferon. Prat M, et al. **Proc Natl Acad Sci USA** 1984 Jul;81(14):4515–9
Murine monoclonal antibody to a single protein neutralizes the infectivity of human cytomegalovirus. Rasmussen LE, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(3):876–80
Inhibition of the mitogenic effects of plasma by a monoclonal antibody to somatomedin C. Russell WE, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(8):2389–92
Monoclonal antibodies to human urokinase identify the single-chain pro-urokinase precursor. Salerno G, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(1):110–4
Monoclonal antibodies against the antigen receptor on a cloned T-cell hybrid. Samelson LE, et al. **Proc Natl Acad Sci USA** 1983 Nov;80(22):6972–6
A monoclonal anti-platelet antibody with decreased reactivity for autoimmune thrombocytopenic platelets. Varon D, et al. **Proc Natl Acad Sci USA** 1983 Nov; 80(22):6992–5
Monoclonal antibodies that prevent adhesion of B 16 melanoma cells and reduce metastases in mice: crossreaction with human tumor cells. Vollmers HP, et al. **Proc Natl Acad Sci USA** 1983 Nov;80(22):6863–7
Hepatitis B viral antigenic structure: signature analysis by monoclonal radioimmunoassays. Wands JR, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(7):2237–41
Brain cell surface glycoproteins identified by monoclonal antibodies. Goridis C, et al. **Prog Brain Res** 1983;58:201–8
Treatment of aplastic anemia: results with bone marrow transplantation, antithymocyte globulin, and a monoclonal anti-T cell antibody. Champlin R, et al. **Prog Clin Biol Res** 1984;148:227–38
Metastatic colon carcinoma detected with radiolabeled F(ab')2 monoclonal antibody fragments. Moldofsky PJ, et al. **Radiology** 1983 Nov;149(2):549–55
An overview of safety and regulatory aspects of the new biotechnology. Petricciani JC. **Regul Toxicol Pharmacol** 1983 Dec;3(4):428–33
Scanning immuno-electron microscopy of a monoclonal, Epstein-Barr Virus(EBV) transformed human cell line producing rheumatoid factor in-vitro. Gamliel H, et al. **Scan Electron Microsc** 1983;(Pt 1):271–8
Inhibition of platelet aggregation by monoclonal antibody reactive with beta 2-microglobulin chain of HLA complex. Curry RA, et al. **Science** 1984 May 4;224(4648):509–11
Wistar denied monoclonal antibody patent in U.K. [news] Dickson D. **Science** 1983 Dec 23;222(4630):1309
Fly antibodies mark human brain [news] Kolata G. **Science** 1984 Mar 2;223(4639):919
Inhibition of human acute lymphoblastic leukemia cells by immunotoxins: potentiation by chloroquine. Ramakrishnan S, et al. **Science** 1984 Jan 6;223(4631):58–61
Anti-T-cell reagents for human bone marrow transplantation: ricin linked to three monoclonal antibodies. Vallera DA, et al. **Science** 1983 Nov 4;222(4623):512–5
Heterogeneity of natural killer lymphocyte abnormalities in colon cancer patients. Balch CM, et al. **Surgery** 1984 Jan; 95(1):63–70
Monoclonal antibodies and mononuclear phagocytes. An update. LeBlanc PA. **Surv Immunol Res** 1983;2(3):252–4
Uses of monoclonal antibodies: 1983. LeBlanc PA. **Surv Immunol Res** 1984;3(2–3):135–7
Monoclonal and anti-idiotypic antibodies and the elucidation of receptor structure. Venter JC. **Surv Immunol Res** 1983; 2(3):302–5
A rapid one-step immunoradiometric assay for factor VIII-procoagulant antigen utilizing monoclonal antibodies. Stel HV, et al. **Thromb Haemost** 1983 Dec 30;50(4):860–3
An antiplatelet monoclonal antibody that inhibits ADP and epinephrine-induced aggregation. Vilella R, et al. **Thromb Haemost** 1984 Feb 28;51(1):93–6
Monoclonal antibodies to factor IX: characterization and use in immunoassays for factor IX. Smith KJ, et al. **Thromb Res** 1984 Jan 15;33(2):211–24
Inhibition or acceleration of fibrin polymerization by monoclonal immunoglobulins and immunoglobulin fragments. Wisløff F, et al. **Thromb Res** 1984 Jul 1; 35(1):81–90
Two monoclonal antibodies detecting allotypic determinants of HLA-A. Minami S, et al. **Tissue Antigens** 1983 Oct; 22(4):239–45
A mouse monoclonal antibody detecting the allospecificity HLA-A3. Trabace S, et al. **Tissue Antigens** 1984 Jan; 23(1):12–6
Monitoring and monoclonal antibodies. **Transplant Proc** 1983 Sep;15(3):1937–92
Structural changes in class I MHC molecules influencing recognition by allo- or self + TNP-reactive cytotoxic T-cell clones and by monoclonal antibodies. Davignon JL, et al. **Transplant Proc** 1983 Dec;15(4):2080–5
Identification of differentiation antigens of melanoma and melanocytes by mouse and human monoclonal antibodies. Houghton AN. **Transplant Proc** 1984 Apr;16(2):351–4
Cellular immunoabsorption using monoclonal antibodies. Selective removal of T cells from peripheral blood and bone marrow. Berenson RJ, et al. **Transplantation** 1984 Aug;38(2):136–42
A radiobinding assay for human H-Y antigen using monoclonal antibodies. Nagamine C, et al. **Transplantation** 1984 Jan;37(1):13–7
Monoclonal antibody-toxin conjugates reactive against human T lymphocytes. A comparison of antibody linked to intact ricin toxin with antibody linked to ricin A chain. Vallera DA, et al. **Transplantation** 1984 Apr;37(4):387–92
Application of hybridoma technology to the diagnosis of parasitic disease. Gamble HR. **Vet Parasitol** 1984 Jun; 14(3–4):251–61 (29 ref.)
Identification of the binding sites to monoclonal antibodies on A/USSR/90/77 (H1N1) hemagglutinin and their involvement in antigenic drift in H1N1 influenza viruses. Nakajima S, et al. **Virology** 1983 Nov;131(1):116–27
Monoclonal antibodies specific for the avian sarcoma virus transforming protein pp60src. Tanaka T, et al. **Virology** 1984 Feb;133(1):202–10
Antigenic and biological characterization of influenza virus neuraminidase (N2) with monoclonal antibodies. Webster RG, et al. **Virology** 1984 May;135(1):30–42
Use of monoclonal anti-C3 antibodies to characterise the fragments of C3 that are found on erythrocytes. Lachmann PJ, et al. **Vox Sang** 1983;45(5):367–72
A new monoclonal anti-A. Culture supernatants with the performance of hyperimmune human reagents. Lowe AD, et al. **Vox Sang** 1984;46(1):29–35
Schistosoma mansoni: detection and characterization of schistosome derived antigens by inhibition enzyme-linked immunosorbent assay (IELISA) utilizing monoclonal antibodies. Abdel-Hafez SK, et al. **Z Parasitenkd** 1984; 70(1):105–17
[Monoclonal antibodies and the detection of hCG] Presl J, et al. **Cesk Gynekol** 1983 Jul;48(6):450–1 **(Cze)**
[Immunologic classification of hematopoietic cells using monoclonal antibodies in relation to elucidating the origin of certain blood diseases] Koubek K, et al. **Vnitr Lek** 1984 Jan;30(1):66–79 (Eng. Abstr.) **(Cze)**
[Scintigraphic studies in the detection of cancer using anti-tumor monoclonal antibodies] Pauwels EK, et al. **Ned Tijdschr Geneeskd** 1984 Apr 28;128(17):805–9 (Eng. Abstr.) **(Dut)**
[The application of monoclonal antibodies in clinical medicine] Vroom M. **Ned Tijdschr Geneeskd** 1984 Apr 28; 128(17):816–7 **(Dut)**
[Abstracts of papers presented at the First Biotechnology Colloquium at the University of Montreal, 25–26 March 1983] **Rev Can Biol Exp** 1983 Nov;42(3):303–13 **(Fre)**
[Immunohistological detection of T lymphocytes with monoclonal antibody BL-T2] Kupper H, et al. **Acta Histochem (Jena)** 1983;73(2):283–7 (Eng. Abstr.) **(Ger)**
[Principles of monoclonal antibodies] Müller-Ruchholtz W. **Verh Dtsch Ges Pathol** 1983;67:32–53 (60 ref.) (Eng. Abstr.) **(Ger)**
[Immunohistochemical study on brain macrophages by monoclonal antibody—localization in fetuses and neonates] Matsumoto Y. **No To Shinkei** 1983 Dec;35(12):1247–54 (Eng. Abstr.) **(Jpn)**
[Immunologic studies of various diseases with monoclonal antibody (OKT 3, 4, 8)] Ninomiya M, et al. **Rinsho Ketsueki** 1983 Jul;24(7):965–8 **(Jpn)**
[Preparation and use of monoclonal antibodies] Russ G. **Bratisl Lek Listy** 1983 Sep;80(3):257–66 (Eng. Abstr.) **(Slo)**

ADMINISTRATION & DOSAGE

Monoclonal antibodies in the treatment of human leukemias and lymphomas: applications of flow cytometry. Miller RA, et al. **Ann NY Acad Sci** 1984;428:49–56
Clinical applications of monoclonal antibodies in acute

leukemia. Ritz J, et al. **Ann NY Acad Sci** 1984;428:308–17

Monoclonal antibodies for the diagnosis and treatment of transplant rejection. Russell PS, et al. **Annu Rev Med** 1984; 35:63–81 (58 ref.)

Production of a monoclonal antibody–bleomycin conjugate utilizing dextran T–40 and the antigen–targeting cytotoxicity of the conjugate. Manabe Y, et al. **Biochem Biophys Res Commun** 1983 Sep 30;115(3):1009–14

Monoclonal antibodies to myeloid differentiation antigens: in vivo studies of three patients with acute myelogenous leukemia. Ball ED, et al. **Blood** 1983 Dec;62(6):1203–10

Selective in vitro toxicity of purothionin conjugated to the monoclonal antibody 225.28S to a human high–molecular–weight melanoma–associated antigen. Imai K, et al. **Cancer Immunol Immunother** 1983;15(3):206–9

Interferon–alpha conjugation to human osteogenic sarcoma monoclonal antibody 791T/36. Pelham JM, et al. **Cancer Immunol Immunother** 1983;15(3):210–6

Antitumor monoclonal antibodies for radioimmunodetection of tumors and drug targeting. Baldwin RW, et al. **Cancer Metastasis Rev** 1983;2(1):89–106 (44 ref.)

Lack of radioimmunodetection and complications associated with monoclonal anticarcinoembryonic antigen antibody cross–reactivity with an antigen on circulating cells. Dillman RO, et al. **Cancer Res** 1984 May;44(5):2213–8

Antitumor effect of actinomycin D entrapped in liposomes bearing subunits of tumor–specific monoclonal immunoglobulin M antibody. Hashimoto Y, et al. **Cancer Res** 1983 Nov;43(11):5328–34

Selective antitumor effect on L10 hepatocarcinoma cells of a potent immunoconjugate composed of the A chain of abrin and a monoclonal antibody to a hepatoma–associated antigen. Hwang KM, et al. **Cancer Res** 1984 Oct; 44(10):4578–86

Prevention of growth of leukemia cells in mice by monoclonal antibodies directed against Thy 1.1 antigen disulfide linked to two ribosomal inhibitors:pokeweed antiviral protein or ricin A chain. Ramakrishnan S, et al. **Cancer Res** 1984 Apr;44(4):1398–404

Monoclonal antitumor antibodies in the lymphatics. Weinstein JN, et al. **Cancer Treat Rep** 1984 Jan;68(1):257–64

Use of monoclonal antibodies in autologous and allogeneic bone marrow transplantation. Ritz J. **Clin Haematol** 1983 Oct;12(3):813–32 (69 ref.)

Potential for therapy of monoclonal antibodies coupled with toxins. Laurent JC, et al. **Dev Biol Stand** 1983;55:181

In vitro and in vivo cytotoxic activity of native and ricin conjugated monoclonal antibodies to HBs antigen for Alexander primary liver cell carcinoma cells and tumours. Oladapo JM, et al. **Gut** 1984 Jun;25(6):619–23

Murine monoclonal anti–T cell antibodies for treatment of steroid–resistant acute graft–versus–host disease. Remlinger K, et al. **Hum Immunol** 1984 Jan;9(1):21–35

Protection of calves against fatal enteric colibacillosis by orally administered Escherichia coli K99–specific monoclonal antibody. Sherman DM, et al. **Infect Immun** 1983 Nov;42(2):653–8

Preparation of four daunomycin–monoclonal antibody 791T/36 conjugates with anti–tumour activity. Gallego J, et al. **Int J Cancer** 1984 Jun 15;33(6):737–44

Binding of murine immunoglobulin to human tissues after immunotherapy with anticolorectal carcinoma monoclonal antibody. Shen JW, et al. **Int J Cancer** 1984 Apr 15; 33(4):465–8

Interactions of immunoliposomes with target cells. Huang A, et al. **J Biol Chem** 1983 Nov 25;258(22):14034–40

Effects of monoclonal antibody immunotherapy on patients with gastrointestinal adenocarcinoma. Sears HF, et al. **J Biol Response Mod** 1984;3(2):138–50

Localisation of human osteosarcoma by antitumour monoclonal antibody. Farrands PA, et al. **J Bone Joint Surg [Br]** 1983 Nov;65(5):638–40

Monoclonal antibodies in cancer therapy. Oldham RK. **J Clin Oncol** 1983 Sep;1(9):582–90 (28 ref.)

Immunotherapy using monoclonal antibodies. Estabrook A, et al. **J Cutan Pathol** 1983 Dec;10(6):559–66 (17 ref.)

Action of anti–progesterone monoclonal antibody in blocking pregnancy after postcoital administration in mice. Wang MY, et al. **J Endocrinol** 1984 Apr;101(1):95–100

Treatment of (NZB x NZW)F1 disease with anti–I–A monoclonal antibodies. Adelman NE, et al. **J Exp Med** 1983 Oct 1;158(4):1350–5

Idiotope regulation by isotype switch variants of two monoclonal antiidiotope antibodies. Müller CE, et al. **J Exp Med** 1984 Mar 1;159(3):758–72

Idiotype–antiidiotype regulation. V. The requirement for immunization with antigen or monoclonal antiidiotypic antibodies for the activation of beta 2 leads to 6 and beta 2 leads to 1 polyfructosan–reactive clones in BALB/c mice treated at birth with minute amounts of anti–A48 idiotype antibodies. Rubinstein LJ, et al. **J Exp Med** 1983 Oct 1; 158(4):1129–44

Anti I–A antibody suppresses active encephalomyelitis: treatment model for diseases linked to IR genes. Sriram S, et al. **J Exp Med** 1983 Oct 1;158(4):1362–7

In vivo protection against Leishmania mexicana mediated by monoclonal antibodies. Anderson S, et al. **J Immunol** 1983 Oct;131(4):1616–8

Experimental allergic encephalomyelitis: successful treatment in vivo with a monoclonal antibody that recognizes T helper cells. Brostoff SW, et al. **J Immunol** 1984 Oct; 133(4):1938–42

In vivo administration of anti–I–A antibody induces the internalization of B cell surface I–A and I–E without affecting the expression of surface immunoglobulin. Fultz M, et al. **J Immunol** 1984 Jul;133(1):91–7

Suppression of murine lupus nephritis by administration of an anti–idiotypic antibody to anti–DNA. Hahn BH, et al. **J Immunol** 1984 Jan;132(1):187–90

Passive immunization against murine malaria with an IgG3 monoclonal antibody. Majarian WR, et al. **J Immunol** 1984 Jun;132(6):3131–7

Elucidation of the topography and determination of the protective epitopes on the E glycoprotein of Saint Louis encephalitis virus by passive transfer with monoclonal antibodies. Mathews JH, et al. **J Immunol** 1984 Mar; 132(3):1533–7

In vivo effects of antibodies against a high frequency idiotype of anti–DNA antibodies in MRL mice. Teitelbaum D, et al. **J Immunol** 1984 Mar;132(3):1282–5

Potential of palladium–109–labeled antimelanoma monoclonal antibody for tumor therapy. Fawwaz RA, et al. **J Nucl Med** 1984 Jul;25(7):796–9

Sequential imaging of indium–111–labeled monoclonal antibody in human mammary tumors hosted in nude mice. Khaw BA, et al. **J Nucl Med** 1984 May;25(5):592–603

Relationship between antigen density and immunotherapeutic response elicited by monoclonal antibodies against solid tumors. Capone PM, et al. **JNCI** 1984 Mar;72(3):673–7

Tumor immunotherapy in the mouse with the use of 131I–labeled monoclonal antibodies. Zalcberg JR, et al. **JNCI** 1984 Mar;72(3):697–704

Localization of human colorectal tumor xenografts in the nude mouse with the use of radiolabeled monoclonal antibody. Zalcberg JR, et al. **JNCI** 1983 Oct;71(4):801–8

Antibody–guided irradiation of malignant lesions: three cases illustrating a new method of treatment. A report from the Hammersmith Oncology Group and the Imperial Cancer Research Fund. **Lancet** 1984 Jun 30;1(8392):1441–3

Anti–B1 monoclonal antibody and complement treatment in autologous bone–marrow transplantation for relapsed B–cell non–Hodgkin's lymphoma. Nadler LM, et al. **Lancet** 1984 Aug 25;2(8400):427–31

Depletion of T lymphocytes in donor marrow prevents significant graft–versus–host disease in matched allogeneic leukaemic marrow transplant recipients. Prentice HG, et al. **Lancet** 1984 Mar 3;1(8375):472–6

Monoclonal antibodies protect against respiratory syncytial virus [letter] Taylor G, et al. **Lancet** 1983 Oct 22; 2(8356):976

Genetically engineered monoclonal antibody for E coli diarrhea in calves. Morter RL. **Mod Vet Pract** 1984 Jun; 65(6):427–8

Therapeutic potential of monovalent monoclonal antibodies. Cobbold SP, et al. **Nature** 1984 Mar 29–Apr 4; 308(5958):460–2

The effect of hybridoma antibody administration upon neutrophil kinetics during experimental type III group B streptococcal sepsis. Christensen RD, et al. **Pediatr Res** 1983 Oct;17(10):795–9

Experimental tumoricidal effects of monoclonal antibody against solid breast tumors. Capone PM, et al. **Proc Natl Acad Sci USA** 1983 Dec;80(23):7328–32

The detection of ovarian cancer using 123J monoclonal antibody. Granowska M, et al. **Radiobiol Radiother (Berl)** 1984;25(1):153–60

Immunotoxins. Collier RJ, et al. **Sci Am** 1984 Jul;251(1):56–64

Monoclonal antibodies in the lymphatics: selective delivery to lymph node metastases of a solid tumor. Weinstein JN, et al. **Science** 1983 Oct 28;222(4622):423–6

Immunotherapy of mouse leukemia with monoclonal antibodies directed against type–C virus structural proteins. Boiocchi M, et al. **Tumori** 1984 Feb 29;70(1):9–16

[Therapeutic use of monoclonal antilymphocyte antibodies] Bach JF, et al. **Presse Med** 1983 Nov 17;12(41):2615–8 **(Fre)**

[Value of monoclonal antibodies in the diagnosis and treatment of cancer] Bron D. **Rev Med Brux** 1984 Feb; 5(2):77–81 (Eng. Abstr.) **(Fre)**

[Recent progress in radioimmunodetection for cancer using radio–labeled monoclonal antibodies] Toshihiko K, et al. **Gan To Kagaku Ryoho** 1983 Oct;10(10):2230–41 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Fatal Epstein–Barr–virus–associated proliferation of donor B cells after treatment of acute graft–versus–host disease with a murine anti–T–cell antibody. Martin PJ, et al. **Ann Intern Med** 1984 Sep;101(3):310–5

ANALYSIS

Alzheimer neurofibrillary tangles: monoclonal antibodies to inherent antigen(s). Wang GP, et al. **Acta Neuropathol (Berl)** 1984;62(4):268–75

The influence of formalin and paraffin embedding on the immunohistochemical reaction of monoclonal antibodies applied to female breast tissue. Rasmussen BB, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1984 May; 92(3):167–75

Gonococcal W serogroups in Scandinavia. A study with polyclonal and monoclonal antibodies. Bygdeman S, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1983 Oct; 91(5):293–305

Lymphocyte subsets studied with monoclonal antibodies in liver tissues of patients with alcoholic liver disease. Si L, et al. **Alcoholism (NY)** 1983 Fall;7(4):431–5

Use of monoclonal antibodies to assign phenotypes to placental alkaline phosphatase from cultured human cell lines derived from tumors. Wray LK, et al. **Am J Hum Genet** 1984 Mar;36(2):471–6

Monoclonal versus polyclonal antibody radioimmunoassay against the beta–subunit of human chorionic gonadotropin in patients with gestational trophoblastic neoplasia. Wu T, et al. **Am J Obstet Gynecol** 1983 Dec 1;147(7):821–5

Monoclonal antibodies to human intermediate filament proteins. II. Distribution of filament proteins in normal human tissues. Gown AM, et al. **Am J Pathol** 1984 Feb; 114(2):309–21

Human teratomas express differentiated neural antigens. An immunohistochemical study with anti–neurofilament, anti–glial filament, and anti–myelin basic protein monoclonal antibodies. Trojanowski JQ, et al. **Am J Pathol** 1984 Jun;115(3):383–9

Detection of chromogranin in neuroendocrine cells with a monoclonal antibody. Wilson BS, et al. **Am J Pathol** 1984 Jun;115(3):458–68

Analysis of mouse sperm isoantigens using specific monoclonal antibodies. Lee CY, et al. **Am J Reprod Immunol** 1984 Jul–Aug;6(1):37–43

Monoclonal antibody to human cytotrophoblast. Loke YW, et al. **Am J Reprod Immunol** 1984 Apr–May;5(3):106–8

Course of feline leukemia virus infection and its detection by enzyme–linked immunosorbent assay and monoclonal antibodies. Lutz H, et al. **Am J Vet Res** 1983 Nov; 44(11):2054–9

Frequency of calcium binding by monoclonal immunoglobulins in multiple myeloma. Smith BJ, et al. **Ann Clin Lab Sci** 1984 Jul–Aug;14(4):261–4

Crystallocryoglobulinemia resulting from human monoclonal antibodies to albumin. Mills LE, et al. **Ann Intern Med** 1983 Nov;99(5):601–4

Monoclonal antibody analysis of mononuclear cells in myopathies. I: Quantitation of subsets according to diagnosis and sites of accumulation and demonstration and counts of muscle fibers invaded by T cells. Arahata K, et al. **Ann Neurol** 1984 Aug;16(2):193–208

Monoclonal antibody analysis of mononuclear cells in myopathies. II: Phenotypes of autoinvasive cells in polymyositis and inclusion body myositis. Engel AG, et al. **Ann Neurol** 1984 Aug;16(2):209–15

Monoclonal antibody localization in subcutaneous and intracranial human glioma xenografts: paired–label and imaging analysis. Bourdon MA, et al. **Anticancer Res** 1984 May–Jun;4(3):133–40

A simple and sensitive solid–phase radioimmunoassay for the assay of human TSH antibody. Use in screening hybridoma cell lines. Iwasa S, et al. **Appl Biochem Biotechnol** 1983 Aug;8(4):305–14

Monoclonal antibodies against antigens of the human mammary carcinoma cell line MCF–7. Karsten U, et al. **Arch Geschwulstforsch** 1983;53(6):529–36

IgD amyloid in IgD–lambda monoclonal conjunctival amyloidosis. A case report. Schaldenbrand JD, et al. **Arch Pathol Lab Med** 1983 Dec;107(12):626–8

Application of a solid–phase immunofluorometric assay to the selection of monoclonal antibody specific for the adenovirus group–reactive hexon antigen. Hierholzer JC, et al. **Arch Virol** 1984;80(1):1–10

Decrease of the OKT8 positive T cell subset in polymyalgia rheumatica. Lack of correlation with disease activity. Benlahrache C, et al. **Arthritis Rheum** 1983 Dec; 26(12):1472–80

Further characterisation of a human monoclonal antibody to the rhesus D antigen produced in vitro. Crawford DH, et al. **Behring Inst Mitt** 1984 May;(74):55–60

Antibody–nucleic acid complexes. Conformational and base specificities associated with spontaneously occurring poly– and monoclonal anti–DNA antibodies from autoimmune mice. Munns TW, et al. **Biochemistry** 1984 Jun 19; 23(13):2964–70

Monoclonal antibodies to rabbit sperm autoantigens. II. Inhibition of human sperm penetration of zona–free hamster eggs. O'Rand MG, et al. **Biol Reprod** 1984 Apr;30(3):731–6

Monoclonal antibodies to rabbit sperm autoantigens. I. Inhibition of in vitro fertilization and localization on the egg. O'Rand MG, et al. **Biol Reprod** 1984 Apr;30(3):721–9

Production and characterization of monoclonal antibodies to the sperm acrosome stabilizing factor (ASF): utilization for purification and molecular analysis of ASF. Reynolds AB, et al. **Biol Reprod** 1984 Apr;30(3):775–86

Immunolocalization of the murine monoclonal antibody, 791T/36 within primary human colorectal carcinomas and identification of the target antigen. Price MR, et al. **Br J Cancer** 1984 Jun;49(6):809–12

The localization of an anti–tumour monoclonal antibody (791T/36) in gastrointestinal tumours. Armitage NC, et al. **Br J Surg** 1984 Jun;71(6):407–12

Generation and biological properties of a monoclonal antibody to galactocerebroside. Rostami A, et al. **Brain Res** 1984 Apr 30;298(2):203–8

Generation of a monoclonal antibody (Epenl) which binds selectively to murine ependymal cells. Tardieu M, et al. **Brain Res** 1983 Oct 31;277(2):339–46

Monoclonal antibody against microtubule associated protein–1 produces immunofluorescent spots in the nucleus

and centrosome of cultured mammalian cells. Sato C, et al. **Cell Struct Funct** 1983 Sep;8(3):245–54

Production of hybrid cell lines secreting monoclonal antibodies against poliovirus Type 2. Guo R, et al. **Chin Med J [Engl]** 1983 Sep;96(9):669–74

Six approaches to routine quantification of human monoclonal immunoglobulin M compared. Pontet F, et al. **Clin Chem** 1984 May;30(5):774–7

A screening assay for monoclonal antibodies based on the availability of a polyclonal antiserum. Brock DJ, et al. **Clin Chim Acta** 1984 Jan 31;136(2–3):179–85

Monoclonal 7S IgM: a rapid screening technique. Pontet F, et al. **Clin Chim Acta** 1984 Aug 15;141(1):85–91

Spectrotypic analysis of antibodies to acetylcholine receptors in experimental autoimmune myasthenia gravis. Bionda A, et al. **Clin Exp Immunol** 1984 Jul;57(1):41–50

Monoclonal antibodies to human leucocyte antigens in polymyositis and muscular dystrophy. Rowe D, et al. **Clin Exp Immunol** 1983 Nov;54(2):327–36

Monoclonal antibody investigation in rheumatoid arthritis: presence of a T cell subpopulation bearing a double marker. Lapadula G, et al. **Clin Rheumatol** 1984 Jun;3(2):137–44

Production and characterization of a monoclonal antibody to bovine beta-crystallin. Carper D, et al. **Curr Eye Res** 1984 Mar;3(3):501–7

Production and specificity of monoclonal antibodies to retinal S antigen. Faure JP, et al. **Curr Eye Res** 1984 Jun; 3(6):867–72

Syngeneic monoclonal antibodies directed against chemically induced murine fibrosarcomas. Gallagher WJ, et al. **Curr Surg** 1983 Sep–Oct;40(5):361–4

Mycosis fungoides. Peripheral T cell subsets defined by specific monoclonal antibodies. Valsecchi R, et al. **Dermatologica** 1984;169(1):12–7

Quantitative evaluation of the localization of a monoclonal antibody (791T/36) in human osteogenic sarcoma xenografts. Pimm MV, et al. **Eur J Cancer Clin Oncol** 1984 Apr;20(4):515–24

Monoclonal antibodies to rabbit sperm autoantigens. Lee CY, et al. **Fertil Steril** 1984 Jan;41(1):131–8

An automatic fluorescence micro-ELISA system for quantitative screening of hybridoma supernatants using a protein-A–beta-galactosidase conjugate. Van Soest PL, et al. **Histochem J** 1984 Jan;16(1):21–35

Direct immunoenzyme double staining applicable for monoclonal antibodies. Boorsma DM. **Histochemistry** 1984; 80(2):103–6

Characterization of monoclonal antibodies that react with unique and cross-reacting determinants of cholera enterotoxin and its subunits. Holmes RK, et al. **Infect Immun** 1983 Dec;42(3):914–23

Monoclonal antibodies as probes of tetanus toxin structure and function. Kenimer JG, et al. **Infect Immun** 1983 Dec; 42(3):942–8

Monoclonal antibodies against Neisseria meningitidis lipopolysaccharide. Sugasawara RJ, et al. **Infect Immun** 1983 Dec;42(3):863–8

Monoclonal hybridoma antibodies in human melanoma: current status. Burk MW. **Int Adv Surg Oncol** 1984; 7:241–70

Identification of a surface antigen, common to murine lung and Lewis lung carcinoma, by monoclonal antibody. Hadas E, et al. **Int J Cancer** 1984 Mar 15;33(3):369–74

Monoclonal antibody to human T-cell leukemia virus p19 defines polypeptide antigen in human choriocarcinoma cells and syncytiotrophoblasts of first-trimester placentas. Suni J, et al. **Int J Cancer** 1984 Mar 15;33(3):293–8

The prognostic significance of two epithelial membrane antigens expressed by human mammary carcinomas. Wilkinson MJ, et al. **Int J Cancer** 1984 Mar 15; 33(3):299–304

Monoclonal antibodies to Müller's cells of the retina. Chan CC, et al. **Invest Ophthalmol Vis Sci** 1984 Sep;25(9):1007–12

The value of elevated gamma globulins in the diagnosis of monoclonal gammopathy and multiple myeloma. Mitchell EB, et al. **Ir J Med Sci** 1983 Sep;152(9):349–52

A genetic and monoclonal analysis of high-yielding reassortants of influenza A virus used for human vaccines. Downie JC. **J Biol Stand** 1984 Jan;12(1):101–10

Monoclonal lupus autoantibody secretion by human-human hybridomas. Selection of hybrids by conventional and novel techniques. Littman BH, et al. **J Clin Invest** 1983 Dec;72(6):1987–94

Detection and characterization of mouse monoclonal antibodies to epidemic typhus rickettsiae. Black CM, et al. **J Clin Microbiol** 1983 Sep;18(3):561–8

Detection and identification of serum monoclonal immunoglobulin by immunoisoelectric focusing. Limits of sensitivity and use during relapse of multiple myeloma. Sinclair D, et al. **J Clin Pathol** 1984 Mar;37(3):255–62

Cells reactive with anti-T-cell monoclonal antibodies in malignant cutaneous B-cell lymphomas and pseudolymphomas. Kaudewitz P, et al. **J Dermatol Surg Oncol** 1984 Apr;10(4):313–4

Identification of human blood with hybridoma-derived antibody to human immunoglobulin G. Tamaki Y, et al. **J Forensic Sci** 1984 Jul;29(3):885–8

Herpes simplex virus non-structural proteins. IV. Purification of the virus-induced deoxyribonuclease and characterization of the enzyme using monoclonal antibodies. Banks L, et al. **J Gen Virol** 1983 Oct;64 (Pt 10):2249–60

Identification of infected cell-specific monoclonal antibodies and their role in host resistance to ocular herpes simplex virus type 1 infection. Rector JT, et al. **J Gen Virol** 1984 Mar;65 (Pt 3):657–61

Antigenic variation of HVJ (Sendai virus) HN glycoprotein detectable by monoclonal antibodies during persistent infection. Sato H, et al. **J Gen Virol** 1984 Jan;65 (Pt 1):185–9

Stepwise amplified immunoperoxidase (PAP) staining. I. Cellular morphology in relation to membrane markers. Lansdorp PM, et al. **J Histochem Cytochem** 1984 Feb; 32(2):172–8

Idiotypes on monoclonal antibodies to bovine insulin. I. Two public idiotypes on anti-bovine insulin hybridomas define idiotypically distinct families of hybridomas. Bender TP, et al. **J Immunol** 1983 Dec;131(6):2882–9

Monoclonal antibodies specific for beta-adrenergic ligands. Chamat S, et al. **J Immunol** 1984 Sep;133(3):1547–52

Further characterization of cooperative interactions of monoclonal antibodies. Ehrlich PH, et al. **J Immunol** 1983 Oct;131(4):1906–12

Monoclonal antibodies demonstrate multiple epitopes on the O antigens of Salmonella typhimurium LPS. Elkins K, et al. **J Immunol** 1984 Oct;133(4):2255–60

Generation and characterization of monoclonal antibodies reactive with human B lymphocytes. Mittler RS, et al. **J Immunol** 1983 Oct;131(4):1754–61

Measurement of affinity constants of monoclonal antibodies [letter] Singh V. **J Immunol** 1983 Oct;131(4):2094

Detection of monoclonal antibodies against cell surface antigens: the use of antiglobulins coupled to red blood cells. Clark MR, et al. **J Immunol Methods** 1984 Jan 20;66(1):81–7

Mycoplasma contamination: a hazard of screening hybridoma supernatants for inhibition of [3H]thymidine incorporation. Jakway JP, et al. **J Immunol Methods** 1984 Mar 16; 67(2):337–45

The effect of epitope density and antibody affinity on the ELISA as analysed by monoclonal antibodies. Lew AM. **J Immunol Methods** 1984 Aug 3;72(1):171–6

Determination of the immunoreactive fraction of radiolabeled monoclonal antibodies by linear extrapolation to binding at infinite antigen excess. Lindmo T, et al. **J Immunol Methods** 1984 Aug 3;72(1):77–89

Immunodot assay for determining the isotype and light chain type of murine monoclonal antibodies in unconcentrated hybridoma culture supernates. McDougal JS, et al. **J Immunol Methods** 1983 Oct 28;63(3):281–90

Typing of subclasses and light chains of human monoclonal immunoglobulins by particle counting immunoassay (PACIA). Magnusson CG, et al. **J Immunol Methods** 1984 Apr 27;69(2):229–41

Characterization of monoclonal antibodies against human chorionic somatomammotropin: competitive screening and determination of the affinity constants. Mariani M, et al. **J Immunol Methods** 1984 Jun 8;71(1):43–8

Relation between avidity and specificity of monoclonal anti-chlamydial antibodies in culture supernatants and ascitic fluids determined by enzyme immunoassay. Matikainen MT, et al. **J Immunol Methods** 1984 Sep 4; 72(2):341–7

An ELISA to detect monoclonal antibodies specific for lipid determinants of Mycoplasma pneumoniae. Morrison-Plummer J, et al. **J Immunol Methods** 1983 Nov 11;64(1–2):165–78

Influence of antibody affinity on the performance of different antibody assays. Nimmo GR, et al. **J Immunol Methods** 1984 Aug 3;72(1):177–87

A rapid, automated colorimetric assay for measuring antibody binding to cell surface antigens. O'Neill HC, et al. **J Immunol Methods** 1983 Nov 25;64(3):257–68

Optimal conditions for the preparation of Fab and F(ab')2 fragments from monoclonal IgG of different rat IgG subclasses. Rousseaux J, et al. **J Immunol Methods** 1983 Nov 11;64(1–2):141–6

Dot-blotting—a novel screening assay for antibodies in hybridoma cultures. Sternberg J, et al. **J Immunol Methods** 1983 Nov 11;64(1–2):39–43

A biotin-avidin technique for the localisation of membrane-bound monoclonal antibodies by low power transmission electron microscopy. Volsen SG. **J Immunol Methods** 1984 Aug 3;72(1):119–26

Reactivity pattern of a monoclonal antikeratin antibody (KL1). Viac J, et al. **J Invest Dermatol** 1983 Oct;81(4):351–4

Syngeneic monoclonal antibodies against melanoma antigens with species specificity and interspecies cross-reactivity. Wakabayashi S, et al. **J Invest Dermatol** 1984 Aug; 83(2):128–33

Immunoscintigraphy of colon carcinoma. Chatal JF, et al. **J Nucl Med** 1984 Mar;25(3):307–14

High-level iodination of monoclonal antibody fragments for radiotherapy. Ferens JM, et al. **J Nucl Med** 1984 Mar; 25(3):367–70

Ultrastructural localization of monoclonal IgG antibodies for antigenic sites of Eimeria tenella oocysts, sporocysts, and sporozoites. Speer CA, et al. **J Protozool** 1983 Aug; 30(3):548–54

Production and preliminary characterization of monoclonal antibodies directed at two surface proteins of rhesus rotavirus. Greenberg HB, et al. **J Virol** 1983 Aug; 47(2):267–75

Expanded T gamma cell populations with the morphology of large granular lymphocytes — I. Immunological, clinical and morphological characterization. Herrmann F, et al. **Leuk Res** 1983;7(5):667–80

Biochemical characterization of monoclonal T-cell suppressor factors specific for the antigen L-glutamic acid60-L-alanine30-L-tyrosine10 (GAT). Webb DR, et al. **Lymphokine Res** 1983;2(3):103–7

Identification of shared antigenic determinants of different polypeptides from Davis and Towne cytomegalovirus strains with monoclonal antibodies. Chardonnet Y, et al. **Med Microbiol Immunol (Berl)** 1983;172(3):171–80

Heterogeneity of type 1 skeletal muscle fibers revealed by monoclonal antibody to slow myosin. Shafiq SA, et al. **Muscle Nerve** 1984 Jun;7(5):380–7

Immunochemical and immunohistochemical studies on the specificity of a monoclonal antibody to choline acetyltransferase of rat brain. Ishida I, et al. **Neurosci Lett** 1983 Dec 11;42(3):267–71

Monoclonal antibody to neural cell surface protein: identification of a glycoprotein family of restricted cellular localization. Rougon G, et al. **Neuroscience** 1983 Oct; 10(2):511–20

Systemic lupus erythematosus developing malignant lymphoma with monoclonal IgM: case report. Sugai S, et al. **Nippon Ketsueki Gakkai Zasshi** 1984 Feb;47(1):113–22

Lymphocyte subsets in endometriosis. Gleicher N, et al. **Obstet Gynecol** 1984 Apr;63(4):463–6

The occurrence of antibodies to hidden and exposed determinants of surface antigens of Trichinella spiralis. Ortega-Pierres G, et al. **Parasitology** 1984 Apr;88 (Pt 2):359–69

Production of monoclonal antibodies to fibronectin, type IV collagen and other antigens of the human glomerulus. Hancock WW, et al. **Pathology** 1984 Apr;16(2):197–206

Identification and characterization of a monoclonal antibody to an antigen expressed on activated macrophages. Koestler TP, et al. **Proc Natl Acad Sci USA** 1984 Jul;81(14):4505–9

Epitopes in myelin basic protein reactive with monoclonal antibodies. Hruby S, et al. **Prog Clin Biol Res** 1984; 146:271–6

Pre-inflammatory expression of fibronectin (Fn) and Ia in acute experimental allergic encephalomyelitis (EAE): modulation of endothelial cells (EC) in the immune response detected by quantitative immunoperoxidase studies using monoclonal antibodies (MAb). Sobel RA, et al. **Prog Clin Biol Res** 1984;146:81–6

Monoclonal antibodies as diagnostic reagents for the identification and characterization of human tumor antigens. Fink LM, et al. **Prog Clin Pathol** 1984;9:121–33 (73 ref.)

Why monoclonals? Sternberger NH. **Prog Neuropsychopharmacol Biol Psychiatry** 1983; 7(4–6):427–31

Antiretinoblastoma monoclonal antibodies. Char DH, et al. **Retina** 1983;3(3):200–5

Lymphocyte subpopulations in rheumatoid arthritis. An immunological, enzyme histochemical and morphological study. de Vries F, et al. **Rheumatol Int** 1984;4(2):91–4

The tissue architecture of synovial membranes in inflammatory and non-inflammatory joint diseases. II. The localization of mononuclear cells as detected by monoclonal antibodies directed against T-lymphocyte subsets and natural killer cells. Koch B, et al. **Rheumatol Int** 1984;4(2):79–85

A new case of gamma-heavy chain disease (LIA protein) with deletion of the hinge region. Santoro C, et al. **Ric Clin Lab** 1984 Jan–Mar;14(1):21–8

Scintigraphy of normal mouse ovaries with monoclonal antibodies to ZP-2, the major zona pellucida protein. East IJ, et al. **Science** 1984 Aug 31;225(4665):938–41

Report of the working party on hybridoma-derived monoclonal antibodies to platelets. Coller BS. **Thromb Haemost** 1984 Apr 30;51(2):169–73

Application of sepharose-linked monoclonal antibodies for the immunoradiometric measurement of factor VIII-procoagulant antigen. Veerman EC, et al. **Thromb Res** 1984 Jan 1;33(1):89–93

Cellular enzyme-linked immunospecific assay (CELISA). III. Use of the CELISA to quantitate monoclonal antibodies bound to HLA antigens and to subset-specific antigens on cell surfaces. Morris RE. **Transplantation** 1983 Dec; 36(6):719–25

The distribution of cells expressing a natural killer cell marker (HNK-1) in normal human lymphoid organs and malignant lymphomas. Mori S, et al. **Virchows Arch [Cell Pathol]** 1983; 43(3):253–63

Antigenic relationships of murine coronaviruses: analysis using monoclonal antibodies to JHM (MHV-4) virus. Fleming JO, et al. **Virology** 1983 Dec;131(2):296–307

Protective monoclonal antibodies define maturational and pH-dependent antigenic changes in Sindbis virus E1 glycoprotein. Schmaljohn AL, et al. **Virology** 1983 Oct 15; 130(1):144–54

Electron microscopy of influenza haemagglutinin-monoclonal antibody complexes. Wrigley NG, et al. **Virology** 1983 Dec;131(2):308–14

Use of immunologic markers in obscure hematologic disease. Miller CH, et al. **West J Med** 1983 Oct;139(4):475–9

[Determination of circulating lymphocyte subpopulations in atopic dermatitis using monoclonal antibodies] De Maubeuge J, et al. **Dermatologica** 1984;169(1):6–11 (Eng. Abstr.) **(Fre)**

[Interview with Dr. M. Herlyn, Philadelphia. The new magic

formula: monoclonal antibodies] Herlyn M. **MMW** 1983 Jul 22;125(29–30):16–18, 21 **(Ger)**

[Monoclonal cold agglutinins as differentiation markers for lung tumors] Ebert W, et al. **Prax Klin Pneumol** 1983 Oct; 37 Suppl 1:748–50 (Eng. Abstr.) **(Ger)**

[Identification of Leptospira responsible for Weil's disease by monoclonal antibody] Kobayashi Y, et al. **Kansenshogaku Zasshi** 1983 Oct;57(10):846–52 (Eng. Abstr.) **(Jpn)**

[Influence of anesthesia on immune system—studies on the fluctuation of lymphocyte subpopulations] Tokutomi Y, et al. **Masui** 1983 Dec;32(12):1523–8 (Eng. Abstr.) **(Jpn)**

[Flow-cytometric analysis of change of OKT6+-lymphocytes in blood of cancer patients drug radiation therapy] Ogawa Y, et al. **Nippon Gan Chiryo Gakkai Shi** 1983 Dec 20;18(8):2072–8 (Eng. Abstr.) **(Jpn)**

[Classification of non-Hodgkin's lymphoma by monoclonal antibody] Fujimoto N, et al. **Nippon Rinsho** 1983 Nov; 41(11):2511–24 (61 ref.) **(Jpn)**

[Monoclonal antibodies for the diagnosis of non-Hodgkin's lymphoma and lymphatic leukemia] Tsuge I, et al. **Nippon Rinsho** 1983 Nov;41(11):2578–85 **(Jpn)**

[Immunohistological studies of Hodgkin cells] Watanabe S. **Nippon Rinsho** 1983 Nov;41(11):2460–8 **(Jpn)**

[A case of OKT11+, OKT3-, OKM1-, T-CLL with diffuse infiltration of leukemic cells around the cerebral vessels] Hagiwara N, et al. **Rinsho Ketsueki** 1983 Oct; 24(10):1431–41 (Eng. Abstr.) **(Jpn)**

[IgGkappa monoclonal gammopathy in patients with chronic myeloproliferative processes] Kraj M, et al. **Nowotwory** 1983 Jan–Mar;33(1):35–9 (Eng. Abstr.) **(Pol)**

[Selection of antigenic variants of H1N1 influenza viruses by means of monoclonal antibodies] Iamnikova SS, et al. **Vopr Virusol** 1984 Mar–Apr;29(2):207–10 (Eng. Abstr.) **(Rus)**

[Monoclonal antibodies. The new possibilities in diagnosing hepatitis B] Novokhatskil AS, et al. **Vopr Virusol** 1984 Mar–Apr;29(2):132–7 (18 ref.) **(Rus)**

[Changes in the antigenic composition of virus A (H1N1) hemagglutinin in 1977–1982 detected by using monoclonal antibodies] Zakstel'skaia LIa, et al. **Vopr Virusol** 1984 Jan–Feb;29(1):62–6 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Monoclonal antibodies to surface antigens of rabbit type II pneumocytes. Fraser CM, et al. **Am Rev Respir Dis** 1984 Sep;130(3):505–7

Monoclonal antibodies against plasma protease inhibitors: II. Production and characterization of 25 monoclonal antibodies against human alpha 1-antitrypsin. Correlation between antigenic structure and functional sites. Hérion P, et al. **Biosci Rep** 1984 Feb;4(2):139–47

Monoclonal antibodies against plasma protease inhibitors: I. Production and characterization of 23 monoclonal antibodies against human alpha 2-antiplasmin. Herion P, et al. **Biosci Rep** 1984 Jan;4(1):39–48

Hybridoma antibodies to human von Willebrand factor. I. Characterization of seven clones. Meyer D, et al. **Br J Haematol** 1984 Aug;57(4):597–608

An improved in vitro immunization procedure for the production of monoclonal antibodies against neural and other antigens. Boss BD. **Brain Res** 1984 Jan 16; 291(1):193–6

Differential binding to human mammary and nonmammary tumors of monoclonal antibodies reactive with carcinoembryonic antigen. Colcher D, et al. **Cancer Invest** 1983;1(2):127–38

Use of monoclonal antibodies in an enzyme immunoassay for factor VIII-related antigen. Bradley LA, et al. **Clin Chem** 1984 Jan;30(1):87–92

Use of monoclonal antibodies in a radioimmunoassay for human transcortin. Faict D, et al. **Clin Chem** 1984 Mar; 30(3):369–72

Raising monospecific antibodies by use of protein components prestained with Remazol Brilliant Blue and separated by disc electrophoresis on polyacrylamide gel. Saoji AM, et al. **Clin Chem** 1984 Jul;30(7):1252–4

Mitogenic stimulation of malignant B cells. Chronic lymphocytic leukaemia: secretion of monoclonal IgM by in vitro-induced plasmablasts. Bloem AC, et al. **Clin Exp Immunol** 1984 Mar;55(3):636–42

A monoclonal antibody to brush border and passive Heymann nephritis. Ronco P, et al. **Clin Exp Immunol** 1984 Feb;55(2):319–32

Monoclonal antibodies to normal and abnormal epithelial antigens. Goldsmith LA, et al. **Curr Probl Dermatol** 1983; 11:3–25

Early screening for hybrid antibodies. Loevborg U. **Dev Biol Stand** 1983;55:173–9

Entrapment of animal cells for the production of biomolecules such as monoclonal antibodies. Scheirer W, et al. **Dev Biol Stand** 1983;55:155–61

Development, screening and quality specifications of hybridomas synthesizing anti-polypeptide hormone antibodies to be used for diagnostic tests and in-process control. Schönherr OT, et al. **Dev Biol Stand** 1983; 55:163–71

Production of monoclonal antibodies to islet cell surface antigens using hybridization of spleen lymphocytes from non-obese diabetic mice. Yokono K, et al. **Diabetologia** 1984 May;26(5):379–85

Monoclonal antibodies to human prolyl 4-hydroxylase. Höyhtyä M, et al. **Eur J Biochem** 1984 Jun 15;141(3):472–82

Preparation of monoclonal antibodies against glycoprotein IIIa of human platelets. Their effect on platelet aggregation. Melero JA, et al. **Eur J Biochem** 1984 Jun 1;141(2):421–7

Monoclonal antibodies to rat brain alpha-adrenoceptors. Dausse JP, et al. **Eur J Pharmacol** 1983 Nov 11; 95(1–2):135–7

Analysis of human monoclonal antibodies derived from lymphocytes of patients with cancer. Cote RJ, et al. **Fed Proc** 1984 Jun;43(9):2465–9

Production and characterization of monoclonal antibodies against human transferrin. Bártek J, et al. **Folia Biol (Praha)** 1984;30(2):137–40

The specificity of human liver membrane lipoprotein: studies with monoclonal antibodies. Murakami H, et al. **Hepatology** 1984 Mar-Apr;4(2):192–8

A monoclonal antibody, NCRC-11, raised to human breast carcinoma. 1. Production and immunohistological characterization. Ellis IO, et al. **Histopathology** 1984 May; 8(3):501–16

Human X (mouse X human) hybridomas stably producing human antibodies. Ostberg L, et al. **Hybridoma** 1983; 2(4):361–7

Novel approach to construction of human 'myeloma analogues' for production of human monoclonal antibodies. Posner MR, et al. **Hybridoma** 1983;2(4):369–81

Production and characterization of monoclonal antibodies recognizing the alpha-chain subunits of human Ia alloantigens. Adams TE, et al. **Immunology** 1983 Dec; 50(4):613–24

Production and characterization of monoclonal antibodies against rat brush border antigens of the proximal convoluted tubule. Ronco P, et al. **Immunology** 1984 Sep; 53(1):87–95

Monoclonal antibodies to rat renal antigens. Shimizu F, et al. **Immunology** 1984 Jun;52(2):319–23

Monoclonal antibodies. Millikan LE, et al. **Int J Dermatol** 1984 Jun;23(5):318–9

In vivo and in vitro production and detection of monoclonal antibodies to surface components on metastatic variants of murine tumor cells. Miner KM, et al. **Invasion Metastasis** 1981;1(3):158–74

A novel method for generating region-specific monoclonal antibodies to modified proteins. Application to the identification of human glucosylated low density lipoproteins. Curtiss LK, et al. **J Clin Invest** 1983 Oct; 72(4):1427–38

Production of monoclonal antibodies to Legionella pneumophila serogroups 1 and 6. Para MF, et al. **J Clin Microbiol** 1983 Oct;18(4):895–900

Simultaneous production of monoclonal antibodies to dehydroepiandrosterone, oestradiol, progesterone and testosterone. Fantl VE, et al. **J Endocrinol** 1984 Mar; 100(3):367–76

The production of monoclonal antibodies to human chorionic gonadotrophin and its subunits. Stuart MC, et al. **J Endocrinol** 1983 Sep;98(3):323–30

Antibody producing human-human hybridomas. II. Derivation and characterization of an antibody specific for human leukemia cells. Olsson L, et al. **J Exp Med** 1984 Feb 1;159(2):537–50

Production of anti-thymulin (FTS) monoclonal antibodies by immunization against human thymic epithelial cells. Berrih S, et al. **J Histochem Cytochem** 1984 Apr;32(4):432–8

Production of large quantities of human immunoglobulin in the ascites of athymic mice: implications for the development of anti-human idiotype monoclonal antibodies. Abrams PG, et al. **J Immunol** 1984 Apr; 132(4):1611–3

Amino acid sequence of a phosphocholine-binding antibody from an immune defective CBA/N mouse employing the T15 VH region associated with unusual DH, JH, and V kappa segments. Clarke SH, et al. **J Immunol** 1984 Mar; 132(3):1544–9

Autoimmune mice develop antibodies to thymic hormone: production of anti-thymulin monoclonal autoantibodies from diabetic (db/db) and B/W mice. Dardenne M, et al. **J Immunol** 1984 Aug;133(2):740–3

Murine hybridomas secreting natural monoclonal antibodies reacting with self antigens. Dighiero G, et al. **J Immunol** 1983 Nov;131(5):2267–72

Production and characterization of species-specific monoclonal antibodies against Leishmania donovani for immunodiagnosis. Jaffe CL, et al. **J Immunol** 1984 Jul; 133(1):440–7

Monoclonal anti-parasite and anti-RBC antibodies produced by stable EBV-transformed B cell lines from malaria patients. Lundgren K, et al. **J Immunol** 1983 Oct; 131(4):2000–3

Preparation and characterization of monoclonal antibodies reactive with porcine PBL. Pescovitz MD, et al. **J Immunol** 1984 Jul;133(1):368–75

Production and characterization of monoclonal antibodies to human interleukin 2: strategy and tactics. Smith KA, et al. **J Immunol** 1983 Oct;131(4):1808–15

Human anti-pneumococci antibody produced by an Epstein Barr virus (EBV)-immortalized cell line. Steinitz M, et al. **J Immunol** 1984 Feb;132(2):877–82

Strategies for production of monoclonal anti-idiotype antibodies against human B cell lymphomas. Thielemans K, et al. **J Immunol** 1984 Jul;133(1):495–501

Preparation and characterization of monoclonal antibodies recognizing three distinct differentiation antigens (BL1, BL2, BL3) on human B lymphocytes. Wang CY, et al. **J Immunol** 1984 Aug;133(2):684–91

Parameters affecting ascites tumour formation in mice and monoclonal antibody production. Brodeur BR, et al. **J Immunol Methods** 1984 Jul 6;71(2):265–72

Rescue of human monoclonal antibody production from an EBV-transformed B cell line by fusion to a human-mouse hybridoma. Foung SK, et al. **J Immunol Methods** 1984 May 11;70(1):83–90

A freezing method for cell fusions to distribute and reduce labor and permit more thorough early evaluation of hybridomas. Harwell LW, et al. **J Immunol Methods** 1984 Jan 20;66(1):59–67

Monoclonal antibodies to the chemotherapeutic agent methotrexate: production, properties and comparison with polyclonal antibodies. Kato Y, et al. **J Immunol Methods** 1984 Mar 16;67(2):321–36

Radioimmunoassay of a glucose-containing tetrasaccharide using a monoclonal antibody. Lundblad A, et al. **J Immunol Methods** 1984 Mar 30;68(1–2):217–26

Establishment of human monoclonal anti-DNA antibody producing cell lines. Sasaki T, et al. **J Immunol Methods** 1984 Aug 3;72(1):157–65

Intrasplenic primary immunization for the production of monoclonal antibodies. Spitz M, et al. **J Immunol Methods** 1984 May 11;70(1):39–43

Development of monoclonal antibodies to proteins separated by two-dimensional gel electrophoresis. Tracy RP, et al. **J Immunol Methods** 1983 Dec 16;65(1–2):97–107

Reproducible production of protective human monoclonal antibodies by fusion of peripheral blood lymphocytes with a mouse myeloma cell line. Gigliotti F, et al. **J Infect Dis** 1984 Jan;149(1):43–7

Characterization of three restricted specificity monoclonal antibodies raised against the human glioma cell line D-54 MG. Wikstrand CJ, et al. **J Neuroimmunol** 1984 Jun; 6(3):169–86

Production and characterization of monoclonal antibodies to the myelin glycolipid sulfatide. Hofstetter W, et al. **J Neurosci Res** 1984;11(4):341–50

Analysis of HLA-B27 antigen with monoclonal antibodies. Engleman EG, et al. **J Rheumatol** 1983 Nov;10 Suppl 10:59–61

Preparation and properties of monoclonal antibodies to the anabolic agent zeranol. Carter AP, et al. **J Vet Pharmacol Ther** 1984 Mar;7(1):17–21

Monoclonal antibodies to Escherichia coli heat-stable enterotoxin [letter] Giannella RA, et al. **Lancet** 1984 Jun 16;1(8390):1360

Production of a monoclonal antibody against heat-stable enterotoxin produced by human strain of enterotoxigenic Escherichia coli [letter] Hemelhof W, et al. **Lancet** 1984 May 5;1(8384):1011–2

Hybridomas from lymphocytes of normal mice produce monoclonal autoantibodies [letter] Yoon JW, et al. **Lancet** 1984 Sep 15;2(8403):641

Production and preliminary characterization of monoclonal antibodies to human liver-specific lipoprotein (LSP). Lambert KJ, et al. **Liver** 1984 Apr;4(2):122–7

Production of polyclonal and monoclonal antibodies to calmodulin and utilization of these immunological probes. Chafouleas JG, et al. **Methods Enzymol** 1983;102:104–10

Production, isolation and characterization of monoclonal antibodies to cytochromes c of beef heart and Paracoccus denitrificans. Kuo LM, et al. **Mol Immunol** 1983 Aug; 20(8):827–38

Monoclonal antibodies to membrane components of human breast cancer cell line MDA-MB-231. Production and reactivity with various cells in culture. Kovařík J, et al. **Neoplasma** 1984;31(1):75–8

Generation of antibody activity from immunoglobulin polypeptide chains produced in Escherichia coli. Cabilly S, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(11):3273–7

A novel approach to production of antitumor monoclonal antibodies: antibody to a cell surface glycoprotein associated with transformation by a human oncogene. Roth JA, et al. **Surgery** 1984 Aug;96(2):264–72

Monoclonal antibodies to hepatitis B surface antigen (HBsAg) produced by somatic cell hybrids. Lee SC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1984 Feb;83(2):142–8

Anti-HLA-A2 and -A28 monoclonal antibody: production and study of the cross-reaction. Bourel D, et al. **Tissue Antigens** 1984 May;23(5):274–9

Production and characterization of monoclonal bovine immunoglobulins G1, G2 and M from bovine x murine hybridomas. Srikumaran S, et al. **Vet Immunol Immunopathol** 1984 Mar;5(4):323–42

A monoclonal antibody raised against adult Schistosoma mansoni which recognizes a surface antigen on schistosomula. Tavares CA, et al. **Z Parasitenkd** 1984; 70(2):189–97

[Monoclonal antibodies: fundamental principles and application] Cormont F, et al. **Acta Clin Belg** 1983; 38(4):246–52 (Eng. Abstr.) **(Fre)**

[Production of monoclonal antibodies against human cytomegalovirus] Mazeron MC, et al. **C R Seances Acad Sci [III]** 1983;297(6):305–8 (Eng. Abstr.) **(Fre)**

[Monoclonal antibodies from the hybridization of lymphocytes] Ax W. **Ric Clin Lab** 1983;13 Suppl 2:1–9

(Ita)
[Monoclonal antibodies to human erythrocytes] Teshima R, et al. **Eisei Shikenjo Hokoku** 1983;(101):95–7 (Eng. Abstr.)
(Jpn)
[Monoclonal antibodies produced by human–human hybridomas] Chida J. **Gan To Kagaku Ryoho** 1984 Jan; 11(1):157–64 (Eng. Abstr.) (Jpn)
[Human monoclonal antibodies with human–mouse hybridomas] Naoe T, et al. **Gan To Kagaku Ryoho** 1983 Dec;10(12):2575–81 (Eng. Abstr.) (Jpn)

CEREBROSPINAL FLUID

Cerebrospinal fluid monoclonal gammopathy in multiple myeloma and Waldenström's macroglobulinemia. Hansotia P, et al. **Neurology (NY)** 1983 Nov;33(11):1411–5

CLASSIFICATION

The distribution of the CR3 receptor on human cells and tissue as revealed by a monoclonal antibody. Eddy A, et al. **Clin Immunol Immunopathol** 1984 Jun;31(3):371–89
The use of monoclonal antibodies in demonstrating the effect of antibody heterogeneity on immune complex size. Hosoi S, et al. **Clin Immunol Immunopathol** 1984 Sep;32(3):378–86
A new and rapid method for immunoglobulin class and subclass determination of mouse monoclonal antibodies using a solid-phase immunoradiometric assay. Storch MJ, et al. **J Immunol Methods** 1984 Mar 30;68(1–2):305–9

DIAGNOSTIC USE

Immunohistochemical analysis of T-cell subsets in the peribulbar and intrabulbar infiltrates of alopecia areata. Perret C, et al. **Acta Derm Venereol (Stockh)** 1984; 64(1):26–30
Immunohistochemical identification of inflammatory cells in secretory and chronic otitis media and cholesteatoma using monoclonal antibodies. Kähönen K, et al. **Acta Otolaryngol (Stockh)** 1984 May–Jun;97(5–6):431–6
Monoclonal antibodies to T-helper/inducer and T-suppressor/cytotoxic lymphocyte subsets recognize antigens on splenic sinusoidal lining cells. Buckley PJ, et al. **Am J Clin Pathol** 1984 Aug;82(2):167–72
The differential diagnosis of routinely processed anaplastic tumors using monoclonal antibodies. Gatter KC, et al. **Am J Clin Pathol** 1984 Jul;82(1):33–43
Identity of the neoplastic alkaline phosphatase as revealed with monoclonal antibodies to the placental form of the enzyme. Loose JH, et al. **Am J Clin Pathol** 1984 Aug; 82(2):173–7
Double immunostaining of lymph node sections by monoclonal antibodies using phycoerythrin labeling and haptenated reagents. Pizzolo G, et al. **Am J Clin Pathol** 1984 Jul;82(1):44–7
Dual immunofluorescent analysis of human peripheral blood lymphocytes. Thornthwaite JT, et al. **Am J Clin Pathol** 1984 Jul;82(1):48–56
Diagnosis of pulmonary histiocytosis X by immunodetection of Langerhans cells in bronchoalveolar lavage fluid. Chollet S, et al. **Am J Pathol** 1984 May;115(2):225–32
Silver stains and immunocytochemical analysis with monoclonal serotonin antibodies for liver metastases of endocrine tumors. A study on percutaneous biopsy specimens. Lindgren PG, et al. **Am J Surg** 1984 Sep; 148(3):353–6
Monoclonal antibodies for successful tumour imaging. Burchell J, et al. **Behring Inst Mitt** 1984 May;(74):87–93
Specificity of murine monoclonal antibodies induced by a choriocarcinoma cell-line (BEWO). Katoh T, et al. **Behring Inst Mitt** 1984 May;(74):49–54
Immunoscintigraphy in human squamous lung cancer using monoclonal antibodies. Mathieu A, et al. **Behring Inst Mitt** 1984 May;(74):72–9
Immunoscintigraphy of tumours: possibilities and limitations. Pimm MV, et al. **Behring Inst Mitt** 1984 May;(74):61–71
Immunoscintigraphy of colorectal carcinoma with monoclonal antibody 791T/36. Pimm MV, et al. **Behring Inst Mitt** 1984 May;(74):80–6
Surface phenotype of clonogenic cells in acute myeloid leukemia defined by monoclonal antibodies. Lange B, et al. **Blood** 1984 Sep;64(3):693–700
Subpopulation heterogeneity in human acute myeloid leukemia determined by monoclonal antibodies. Pessano S, et al. **Blood** 1984 Jul;64(1):275–81
Changes of adult T cell leukemia cell surface antigens at relapse or at exacerbation phase after chemotherapy defined by use of monoclonal antibodies. Yamada Y, et al. **Blood** 1984 Aug;64(2):440–4
Monoclonal antibodies detecting antigenic determinants with restricted expression on erythroid cells: from the erythroid committed progenitor level to the mature erythroblast. Yokochi T, et al. **Blood** 1984 Jun;63(6):1376–84
Subtyping of chronic lymphocytic leukemia of T-type by dipeptidylaminopeptidase IV (DAP IV), monoclonal antibodies, and Fc-receptors. Feller AC, et al. **Cancer** 1983 Nov 1;52(9):1609–12
Immunohistochemical and histochemical tools in the diagnosis of amelanotic melanoma. van Duinen SG, et al. **Cancer** 1984 Apr 1;53(7):1566–73
Radioimmunodiagnosis of ovarian cancer using 123I-labelled, tumor-associated monoclonal antibodies. Epenetos AA, et al. **Cancer Detect Prev** 1984;7(1):45–9
Monoclonal antibodies to intermediate filament proteins. Use in diagnostic surgical pathology. Vogel AM, et al. **Cell Muscle Motil** 1984;5:379–403 (36 ref.)
Enzyme-linked immunoassay of monoclonal and serum microsomal autoantibodies. Weetman AP, et al. **Clin Chim Acta** 1984 Apr 27;138(3):237–44
Evaluation of a monoclonal antibody (TB72) based serological test for tuberculosis. Ivanyi J, et al. **Clin Exp Immunol** 1983 Nov;54(2):337–45
Evaluation of the Cal antibody in the detection of malignant cells in fine needle aspirates from breast lumps. Holley MP, et al. **Clin Oncol** 1983 Dec;9(4):325–30
Enumeration of T-lymphocytes and T-lymphocyte subsets in rheumatoid arthritis using monoclonal antibodies. Raeman F, et al. **Clin Rheumatol** 1982 Sep;1(3):194–8
The use of monoclonal antibodies in skin basement membrane research. Fine JD. **Coll Relat Res** 1984 Jan;4(1):75–81
Immunofluorescence studies of chondroitin sulfate proteoglycan biosynthesis: the use of monoclonal antibodies. Vertel BM, et al. **Coll Relat Res** 1984 Jan; 4(1):1–20
Chicken thymocyte-specific antigen identified by monoclonal antibodies: ontogeny, tissue distribution and biochemical characterization. Chen CH, et al. **Eur J Immunol** 1984 May;14(5):385–91
Heterogeneity of Igh-linked allotypic determinants expressed on functional T cell subsets as detected by monoclonal antibodies. Karasuyama H, et al. **Eur J Immunol** 1984 May; 14(5):413–20
Peripheral blood T lymphocyte subpopulations defined by monoclonal antibodies in rheumatoid arthritis: distribution in patients untreated and treated by oral gold therapy. Mathieu A, et al. **Eur J Rheumatol Inflamm** 1983;6(2):182–6
Monoclonal antibody studies in B-cell chronic lymphocytic leukemia and allied disorders. Aisenberg AC, et al. **Hematol Oncol** 1983 Jan–Mar;1(1):13–9
Characterization of immature sinus histiocytes (monocytoid cells) in reactive lymph nodes by use of monoclonal antibodies. Cardoso De Almeida P, et al. **Hum Pathol** 1984 Apr;15(4):330–5
Distinction between Burkitt lymphoma subgroups by monoclonal antibodies: relationships between antigen expression and type of chromosomal translocation. Ehlin-Henriksson B, et al. **Int J Cancer** 1984 Apr 15; 33(4):459–63
Monoclonal antibodies against human milk-fat globule membranes detecting differentiation antigens of the mammary gland and its tumors. Hilkens J, et al. **Int J Cancer** 1984 Aug 15;34(2):197–206
Expression of gastrointestinal carcinoma-associated antigen (GICA) detected in human fetal tissues by monoclonal antibody NS-19-9. Olding LB, et al. **Int J Cancer** 1984 Aug 15;34(2):187–92
Preparation and properties of mouse monoclonal antibody (W14A) to human chorionic gonadotropin. Searle F, et al. **Int J Cancer** 1984 Apr 15;33(4):429–34
Immunoperoxidase examination of cutaneous infiltrates of mycosis fungoides and large-plaque atrophic parapsoriasis with OKT10. McMillan EM, et al. **J Am Acad Dermatol** 1984 Mar;10(3):457–61
Mononuclear-cell subsets in human idiopathic crescentic glomerulonephritis (ICGN): analysis in tissue sections with monoclonal antibodies. Stachura I, et al. **J Clin Immunol** 1984 May;4(3):202–8
Evaluation of class II antigen positive T cells: a simple double staining method using monoclonal antibodies. Di Mario U, et al. **J Clin Lab Immunol** 1984 Apr;13(4):203–4
A method to facilitate the reading of up to 60 samples of monoclonal antibody-fluorescence stained cells using Medicell HLA-DR plates. Sensi M, et al. **J Clin Lab Immunol** 1984 Feb;13(2):101–2
Detection of rotavirus in human stools by using monoclonal antibody. Cukor G, et al. **J Clin Microbiol** 1984 Jun; 19(6):888–92
Comparison of monoclonal and polyclonal antibody for confirmation of cytomegalovirus isolates by fluorescent staining. Fiacco V, et al. **J Clin Microbiol** 1984 Jun; 19(6):928–30
Rapid detection of cytomegalovirus in MRC-5 cells inoculated with urine specimens by using low-speed centrifugation and monoclonal antibody to an early antigen. Gleaves CA, et al. **J Clin Microbiol** 1984 Jun;19(6):917–9
Indirect immunofluorescence staining of Chlamydia trachomatis inclusions in microculture plates with monoclonal antibodies. Zapata M, et al. **J Clin Microbiol** 1984 Jun;19(6):937–9
Nature of non-B, non-T lymphomas: an immunohistological study on frozen tissues using monoclonal antibodies. Pallesen G, et al. **J Clin Pathol** 1984 Aug;37(8):911–8
Transcriptional control of HLA-A,B,C antigen in human placental cytotrophoblast isolated using trophoblast- and HLA-specific monoclonal antibodies and the fluorescence-activated cell sorter. Kawata M, et al. **J Exp Med** 1984 Sep 1;160(3):633–51
T cell antiidiotypic antibodies reveal differences between two human leukemias. Posnett DN, et al. **J Exp Med** 1984 Aug 1;160(2):494–505
Use of immunogold electron microscopy and monoclonal antibodies in the identification of nuclear substructures. Clevenger CV, et al. **J Histochem Cytochem** 1984 Jul; 32(7):757–65
Two new monoclonal antibodies (LN-1, LN-2) reactive in B5 formalin-fixed, paraffin-embedded tissues with follicular center and mantle zone human B lymphocytes and derived tumors. Epstein AL, et al. **J Immunol** 1984 Aug;133(2):1028–36
Expression of C3d receptors during human B cell differentiation: immunofluorescence analysis with the HB-5 monoclonal antibody. Tedder TF, et al. **J Immunol** 1984 Aug;133(2):678–83
A solid-phase fibrin immunoassay for the specific detection of monoclonal antibodies against different epitopic determinants of tissue-plasminogen activators. Angles-Cano E, et al. **J Immunol Methods** 1984 Apr 13; 69(1):115–27
Immunohistological screening in the selection of monoclonal antibodies: the use of isotype-specific antiglobulins. Aqel NM, et al. **J Immunol Methods** 1984 Apr 27;69(2):207–14
Enumeration of human lymphocyte subsets by monoclonal antibodies and flow cytometry: a comparative study using whole blood or mononuclear cells separated by density gradient centrifugation. De Paoli P, et al. **J Immunol Methods** 1984 Sep 4;72(2):349–53
A rapid and highly sensitive solid-phase enzyme immunoassay specific for human fibronectin using a characterized monoclonal antibody. Salonen EM, et al. **J Immunol Methods** 1984 Aug 3;72(1):145–56
Assay for the specificity of monoclonal antibodies in crossed immunoelectrophoresis. Skjødt K, et al. **J Immunol Methods** 1984 Aug 3;72(1):243–9
Molecular characterization of a membrane protein by a simple immunobinding procedure with monoclonal antibodies. Sonnenberg A, et al. **J Immunol Methods** 1984 Sep 4;72(2):443–50
Use of monoclonal antibodies and F(ab')2 enzyme conjugates in ELISA for IgM, IgA and IgG rheumatoid factors. Teitsson I, et al. **J Immunol Methods** 1984 Jul 6; 71(2):149–61
Monoclonal antibodies against bovine immunoglobulins and their use in isotype-specific ELISAs for rotavirus antibody. van Zaane D, et al. **J Immunol Methods** 1984 Sep 4; 72(2):427–41
Monoclonal antibody testing of lymphocytes after overnight storage. Weiblen BJ, et al. **J Immunol Methods** 1984 May 25;70(2):179–83
Comparison of S-100 and OKT6 antisera in human skin. Modlin RL, et al. **J Invest Dermatol** 1984 Sep;83(3):206–9
Monoclonal antibody 4F2 reactive with basal layer keratinocytes: studies in the normal and a hyperproliferative state. Patterson JA, et al. **J Invest Dermatol** 1984 Sep;83(3):210–3
Immunolocalization of neuroblastoma using radiolabeled monoclonal antibody UJ13A. Goldman A, et al. **J Pediatr** 1984 Aug;105(2):252–6
Varicella pneumonitis: immunodiagnosis with a monoclonal antibody. Weigle KA, et al. **J Pediatr** 1984 Aug; 105(2):265–9
Identification of sperm antigenic determinants with phylogenetically diverse and limited distribution using monoclonal antibodies. Koyama YI, et al. **J Reprod Immunol** 1984 May;6(3):141–50
Detection of IgG antibodies to measles virus using monoclonal antibodies for antigen-capture in enzyme immunoassay. Kramer SM, et al. **J Virol Methods** 1984 May;8(3):255–63
Invading squamous cell carcinoma can retain a basal lamina. An immunohistochemical study using a monoclonal antibody to type IV collagen. Gusterson BA, et al. **Lab Invest** 1984 Jul;51(1):82–7
Segmental staining of the murine nephron by monoclonal antibodies directed against the GP-2 subunit of laminin. Jaffe R, et al. **Lab Invest** 1984 Jul;51(1):88–96
Use of monoclonal antibody panel to identify malignant cells in cerebrospinal fluid. Coakham HB, et al. **Lancet** 1984 May 19;1(8386):1095–8
Detection of heat-stable enterotoxin from Escherichia coli by ELISA based on monoclonal antibody [letter] De Mol P, et al. **Lancet** 1984 Aug 4;2(8397):285
Tumour imaging using an improved method of DTPA-coupled monoclonal antibodies radiolabelled with metallic radionuclides [letter] Epenetos AA, et al. **Lancet** 1984 Jul 21;2(8395):169
Freeze-dried paraffin-embedded human tissue for antigen labelling with monoclonal antibodies. Stein H, et al. **Lancet** 1984 Jul 14;2(8394):71–3
Detection of metastatic tumor in normal-sized retroperitoneal lymph nodes by monoclonal-antibody imaging. Moldofsky PJ, et al. **N Engl J Med** 1984 Jul 12; 311(2):106–7
The use of monoclonal antibodies in the immunohistological diagnosis of cerebral and spinal tumours. Coakham HB, et al. **S Afr J Surg** 1984 Feb–Mar;22(1):13–22
The use of monoclonal antibodies in clinical haematology—the art of limitation. Hokland P. **Scand J Haematol** 1984 Jul;33(1):5–8
Reactivity of the monoclonal antibody RFB1 in chronic B-cell leukaemias. Melo JV, et al. **Scand J Haematol** 1984 Apr;32(4):417–22
The great majority of childhood lymphoblastic leukaemias are identified by monoclonal antibodies as neoplasias of the B-cell progenitor compartment. Melsom H, et al. **Scand J Haematol** 1984 Jul;33(1):27–34
Comparison of platelet fibrinogen receptors on intact and proteolytically-treated platelets by use of an anti-glycoprotein IIIa monoclonal antibody (MA 123).

Kornecki E, et al. **Thromb Res** 1984 Apr 1;34(1):35–49
Use of monoclonal antibodies to quantitate T lymphocyte subpopulations in human cardiac allografts. Rose ML, et al. **Transplantation** 1984 Sep;38(3):230–4
Immunoelectron microscopic demonstration of tissue antigens with monoclonal antibodies. Hansmann ML, et al. **Virchows Arch [Cell Pathol]** 1984;46(1–2):1–12
[Application of monoclonal antibodies in endocrinology] Li WX. **Sheng Li Ko Hsueh Chin Chan** 1983 Oct;14(4):308–12 **(Chi)**
[Detection of tumors by radiolabelled monoclonal antibodies in tomoscintigraphy] Chatal JF. **Presse Med** 1983 Oct 29; 12(38):2361–3 **(Fre)**
[Analysis of T lymphocyte subsets by monoclonal antibodies in gastric cancer patients] Aoike A, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Apr;81(4):1099 **(Jpn)**
[Monoclonal anti-tumor antibodies and their clinical application] Taniguchi M. **Rinsho Byori** 1983 Dec; 31(12):1303–7 **(Jpn)**
[Flow cytometric analysis of changes of OKT9+-lymphocytes in the blood of cancer patients during radiation therapy] Ogawa Y, et al. **Rinsho Hoshasen** 1984 Mar;29(3):387–92 (Eng. Abstr.) **(Jpn)**
[Study of the structural and functional properties of fibronectin—a high molecular weight plasma glycoproteins—by using monoclonal antibodies] Chernousov MA, et al. **Mol Biol (Mosk)** 1984 May–Jun; 18(3):643–52 (Eng. Abstr.) **(Rus)**

GENETICS

A case of T-cell chronic lymphocytic leukemia (T-CLL) expressing a peculiar phenotype (E+, OKM1+, Leu 1+, OKT3- and IgG EA-). Tagawa S, et al. **Cancer** 1983 Oct 15;52(8):1378–84
V kappa gene family in (Glu60 Ala30 Tyr10)n (GAT)-specific antibodies that express CGAT (or pGAT) public idiotypic specificities. Protein and mRNA sequencing of eight monoclonal V kappa chains. Tonnelle C, et al. **J Exp Med** 1983 Nov 1;158(5):1415–27
Immunologic memory to phosphocholine. IV. Hybridomas representative of Group I (T15-like) and Group II (non-T15-like) antibodies utilize distinct VH genes. Chang SP, et al. **J Immunol** 1984 Mar;132(3):1550–5
Idiotypic analysis of a monoclonal anti-Sm antibody. II. Strain distribution of a common idiotypic determinant and its relationship to anti-Sm expression. Pisetsky DS, et al. **J Immunol** 1984 Oct;133(4):2085–9
Regulation of azophenylarsonate-specific repertoire expression. II. Fine specificity and isotype heterogeneity of anti-arsonate antibodies. Sigal NH. **J Immunol** 1983 Oct; 131(4):1889–94
Use of JH4 joining segment gene by an anti-arsonate antibody that bears the major A-strain cross-reactive idiotype but displays diminished antigen binding. Slaughter CA, et al. **J Immunol** 1984 Jun;132(6):3164–71
Phenotypic and genotypic characterization of monoclonal anti-digoxin antibodies. Pincus SH, et al. **Life Sci** 1984 Jul 23;35(4):433–40
Assignment of gene(s) coding for antigen defined by monoclonal antibody 2B2. Suomalainen HA, et al. **Somatic Cell Genet** 1983 Nov;9(6):745–56
Genetic analysis of reactivities of allospecific monoclonal antibodies to rat histocompatibility antigens. Fuks A, et al. **Transplantation** 1983 Nov;36(5):568–71

IMMUNOLOGY

T-lymphocytes and the subpopulations of T-helper and T-suppressor cells measured by monoclonal antibodies (T11, T4, and T8) in relation to surgery under epidural and general anaesthesia. Hole A, et al. **Acta Anaesthesiol Scand** 1984 Jun;28(3):296–300
Patterns of reactivity of four novel monoclonal antibodies (B72.3, DF3, B1.1 and B6.2) with cells in human malignant and benign effusions. Szpak CA, et al. **Acta Cytol (Baltimore)** 1984 Jul–Aug;28(4):356–67
Introducing a monoclonal antibody to insulin: the islets of Langerhans as a model for immunocytochemistry. Dorn A, et al. **Acta Histochem (Jena)** 1983;73(2):293–5
Production of a macromomycin (MCR)-monoclonal antibody conjugate and its biological activity. Manabe Y, et al. **Acta Med Okayama** 1984 Apr;38(2):117–24
Monoclonal antibody-defined T-cell surface phenotypes in blood and cerebrospinal fluid from children with acute aseptic meningitis or meningoencephalitis. Bertotto A, et al. **Acta Neurol (Napoli)** 1984 Apr;6(2):91–6
Purification of tick-borne encephalitis virus by affinity chromatography using monoclonal antibody. Grešíková M, et al. **Acta Virol (Praha)** 1984 Mar;28(2):141–3
Multiple myeloma, Waldenström's macroglobulinemia, and benign monoclonal gammopathy: characteristics of the B cell clone, immunoregulatory cell populations and clinical implications. Mellstedt H, et al. **Adv Cancer Res** 1984; 41:257–89 (146 ref.)
Lymphocyte subpopulations in bronchoalveolar lavage fluid of Balb/c-mice defined by monoclonal antibodies. Bergmann KC, et al. **Allerg Immunol (Leipz)** 1983; 29(4):204–8
Lymphocyte subpopulations and T-cell subsets in human oral cancer tissues: immunohistologic analysis by monoclonal antibodies. Hiratsuka H, et al. **Am J Clin Pathol** 1984 Apr; 81(4):464–70
Utility of monoclonal antibodies directed against B and T lymphocytes and monocytes in paraffin-embedded sections. Hsu SM, et al. **Am J Clin Pathol** 1983 Oct; 80(4):415–20
Hairy cell leukemia: a B cell neoplasm with a unique antigenic phenotype. Hsu SM, et al. **Am J Clin Pathol** 1983 Oct; 80(4):421–8
A comparison of ABC, unlabeled antibody and conjugated immunohistochemical methods with monoclonal and polyclonal antibodies—an examination of germinal center of tonsils. Hsu SM, et al. **Am J Clin Pathol** 1983 Oct; 80(4):429–35
Pan-leukocyte monoclonal antibody L3B12. Characterization and application to research and diagnostic problems. Wood GS, et al. **Am J Clin Pathol** 1984 Feb; 81(2):176–83
Glycophorin A expression in malignant hematopoiesis. Liszka K, et al. **Am J Hematol** 1983 Nov;15(3):219–26
Suppressor cells in end-stage renal disease. Functional assays and monoclonal antibody analysis. Raskova J, et al. **Am J Med** 1984 May;76(5):847–53
Choriocarcinoma: blocking factor and monoclonal antibody iodine 131 imaging. Pattillo RA, et al. **Am J Obstet Gynecol** 1984 Apr 1;148(7):1040–8
Immunohistochemical distinction of human carcinomas by cytokeratin typing with monoclonal antibodies. Debus E, et al. **Am J Pathol** 1984 Jan;114(1):121–30
The immunologic characterization of 95 nodal and extranodal diffuse large cell lymphomas in 89 patients. Doggett RS, et al. **Am J Pathol** 1984 May;115(2):245–52
Differential staining of cytoid bodies and skin-limited amyloids with monoclonal anti-keratin antibodies. Eto H, et al. **Am J Pathol** 1984 Sep;116(3):473–81
Phenotypic expression of B-lymphocytes. 1. Identification with monoclonal antibodies in normal lymphoid tissues. Hsu SM, et al. **Am J Pathol** 1984 Mar;114(3):387–95
Identity of immune cells in graft-versus-host disease of the skin. Analysis using monoclonal antibodies by indirect immunofluorescence. Kaye VN, et al. **Am J Pathol** 1984 Sep;116(3):436–40
Reactivity of a monoclonal antibody with tissues and tumors from the human breast. Immunohistochemical localization of a new antigen and clinicopathologic correlations. Mariani-Costantini R, et al. **Am J Pathol** 1984 Apr; 115(1):47–56
Immunohistochemical studies of the spleen in hairy-cell leukemia. Meijer CJ, et al. **Am J Pathol** 1984 May; 115(2):266–74
Immunoperoxidase staining of early human melanoma colonies with monoclonal antibodies. A new method for in vitro antigenic-morphologic correlation. Nakano GM, et al. **Am J Pathol** 1984 Mar;114(3):380–6
Monoclonal antibodies with different specificities against cytokeratins. An immunohistochemical study of normal tissues and tumors. van Muijen GN, et al. **Am J Pathol** 1984 Jan;114(1):9–17
Effect of pregnancy plasma and monoclonal antibodies to HLA and DR antigens on leukocyte migration. Hegde UC, et al. **Am J Reprod Immunol** 1984 Jan–Feb;5(1):25–7
A monoclonal antibody to surface antigens on microfilariae of Brugia malayi reduces microfilaremia in infected jirds. Canlas M, et al. **Am J Trop Med Hyg** 1984 May;33(3):420–4
Mosquito cell cultures and specific monoclonal antibodies in surveillance for dengue viruses. Gubler DJ, et al. **Am J Trop Med Hyg** 1984 Jan;33(1):158–65
Antigenic diversity found in isolates of Plasmodium falciparum from Papua New Guinea by using monoclonal antibodies. Knowles G, et al. **Am J Trop Med Hyg** 1984 Mar;33(2):204–11
Yellow fever monoclonal antibodies: type-specific and cross-reactive determinants identified by immunofluorescence. Monath TP, et al. **Am J Trop Med Hyg** 1984 Jul;33(4):695–8
Different monoclonal antibodies against the component 5 specific for Trypanosoma cruzi. Orozco O, et al. **Am J Trop Med Hyg** 1984 Jul;33(4):560–8
Monoclonal antibody-purified antigen for the immunodiagnosis of trichinosis. Gamble HR, et al. **Am J Vet Res** 1984 Jan;45(1):67–74
Development and characterization of a hybridoma-derived antibody (Aby 1A1) with specificity to canine thymocytes and peripheral T lymphocytes. Krawiec DR, et al. **Am J Vet Res** 1984 Mar;45(3):491–8
Development and characterization of a monoclonal antibody (Aby 6C6) that distinguishes medullary from cortical thymocytes. Krawiec DR, et al. **Am J Vet Res** 1984 Mar; 45(3):499–505
Monoclonal antibodies to Brucella surface antigens associated with the smooth lipopolysaccharide complex. Schurig GG, et al. **Am J Vet Res** 1984 May;45(5):967–71
Monoclonal antibody to an alveolar macrophage surface antigen in hamsters. Godleski JJ, et al. **Am Rev Respir Dis** 1984 Aug;130(2):249–55
Studies of kidney epithelial cell surfaces using monoclonal antibodies. Ojakian GK, et al. **Anat Rec** 1983;Suppl 1:85–102
A monoclonal antibody against Mycobacterium lepraemurium which recognizes a cross-reacting mycobacterial antigen. Bach MA, et al. **Ann Immunol (Paris)** 1983 May–Jun;134C(3):301–9
Grouping of haemolytic streptococci by monoclonal antibodies: determinant specificity, cross-reactivity and affinity. Herbst H, et al. **Ann Immunol (Paris)** 1983 Nov–Dec;134D(3):349–71
Public idiotopes and/or internal images in the anti-poly(Glu60Ala30Tyr10) response: analysis by monoclonal antibodies. Sommé G, et al. **Ann Immunol (Paris)** 1984 Jan–Feb;135C(1):57–62
Monoclonal antibodies in immunoenzyme studies of breast cancer. Cardiff RD, et al. **Ann NY Acad Sci** 1983;420:140–6
A monoclonal antibody that recognizes anti-DNA antibodies in patients with systemic lupus. Diamond B, et al. **Ann NY Acad Sci** 1983;418:379–85
Comparison of colon-, lung-, and breast-derived carcinoembryonic antigen and cross-reacting antigens by monoclonal antibodies and fingerprint analysis. Grunert F, et al. **Ann NY Acad Sci** 1983;417:75–85
Studies of the arsonate system using monoclonal antibodies. Hiernaux J, et al. **Ann NY Acad Sci** 1983;418:9–15
A conjugate of adriamycin and monoclonal antibodies to Thy-1 antigen inhibits human neuroblastoma cells in vitro. Hurwitz E, et al. **Ann NY Acad Sci** 1983;417:125–36
Antibody-dependent cell-mediated cytotoxicity using monoclonal antibodies reacting with CEA. Imai K, et al. **Ann NY Acad Sci** 1983;417:443–51
Analysis of idiotypic heterogeneity in the anti-alpha 1-3 dextran and anti-phosphorylcholine responses using monoclonal anti-idiotype antibodies. Kearney JF, et al. **Ann NY Acad Sci** 1983;418:151–70
Typing of leukemic cells with monoclonal antibodies. Knapp W, et al. **Ann NY Acad Sci** 1983;420:251–60
Induction of multi-specific antibodies to bovine serum albumin after production of anti-idiotype antibodies to an albumin-specific monoclonal antibody. Krieger NJ, et al. **Ann NY Acad Sci** 1983;418:305–12
The level of expression and the molecular distribution of ABPC 48 idiotopes in levan- or anti-idiotope-primed BALB/c mice. Legrain P, et al. **Ann NY Acad Sci** 1983; 418:290–5
Single and double immunoenzymatic techniques for labeling tissue sections with monoclonal antibodies. Mason DY, et al. **Ann NY Acad Sci** 1983;420:127–33
Idiotypes of anti-major histocompatibility complex antibodies. Sachs DH, et al. **Ann NY Acad Sci** 1983; 418:265–71
Effect of a conjugate of daunomycin and purified polyclonal or monoclonal antibodies to rat alpha-fetoprotein on the growth of alpha-fetoprotein-producing tumor cells. Tsukada Y, et al. **Ann NY Acad Sci** 1983;417:262–9
Description of two differently distributed central nervous system antigens with single monoclonal antibody and different methods of fixation. Zipser B, et al. **Ann NY Acad Sci** 1983;420:100–6
Difference between monoclonal antibodies against the common acute leukemia antigen from two different hybridomas. Canon C, et al. **Anticancer Res** 1983 Nov–Dec; 3(6):407–8
Cellular handling of a monoclonal anti-idiotypic antibody in IgA-producing MOPC 315 mouse myeloma cells. Marks A, et al. **Anticancer Res** 1984 May–Jun;4(3):183–8
Gentamicin substrate-labeled fluorescent immunoassay containing monoclonal antibody. Place JD, et al. **Antimicrob Agents Chemother** 1983 Aug;24(2):246–51
Development of a monoclonal antibody capable of interacting with five serotypes of Staphylococcus aureus enterotoxin. Meyer RF, et al. **Appl Environ Microbiol** 1984 Feb;47(2):283–7
Monoclonal antibodies in allergen standardization. Aalberse RC. **Arb Paul Ehrlich Inst Georg Speyer Haus Ferdinand Blum Inst** 1983;(78):137–40
Interspecies cross-reactivity of monoclonal antibodies to various epitopes of human plasminogen. Cummings HS, et al. **Arch Biochem Biophys** 1984 Apr;230(1):306–15
T cells and T-cell subsets in mycosis fungoides and parapsoriasis. A study of 18 cases with anti-human T-cell monoclonal antibodies and histochemical techniques. Buechner SA, et al. **Arch Dermatol** 1984 Jul;120(7):897–905
ATPase, antigens detected by monoclonal antibodies, ultrastructural characters: which is the best marker for Langerhans cells? De Panfilis G. **Arch Dermatol Res** 1983; 275(6):407–11 (32 ref.)
Monoclonal antibodies to tumor-associated antigens. Zotter S, et al. **Arch Geschwulstforsch** 1984;54(1):1–12
Application of series of monoclonal antibodies against human white cell differentiation antigens and the common ALL antigen in the characterization of leukemia cells. Holowiecki J, et al. **Arch Immunol Ther Exp (Warsz)** 1984; 32(1):43–9
Production of a monoclonal antibody to bovine tooth enamel proteins. Christner PJ, et al. **Arch Oral Biol** 1983; 28(8):773–9
Diagnostic applications of monoclonal antibodies to human cancer. Borowitz MJ, et al. **Arch Pathol Lab Med** 1984 Feb;108(2):101–5
Monoclonal antibodies to E92, an endothelial cell surface antigen. Kaplan KL, et al. **Arteriosclerosis** 1983 Sep–Oct; 3(5):403–12
Application of monoclonal antibodies to the characterization of cells eluted from human articular cartilage. Expression of Ia antigens in certain diseases and identification of an 85-kD cell surface molecule accumulated in the pericellular

matrix. Burmester GR, et al. **Arthritis Rheum** 1983 Oct; 26(10):1187–95

Lymphocyte infiltrations of the gastric mucosa in Sjögren's syndrome. An immunoperoxidase study using monoclonal antibodies in the avidin–biotin–peroxidase method. Kilpi A, et al. **Arthritis Rheum** 1983 Oct;26(10):1196–200

Specificity analysis of monoclonal anti–DNA antibodies from B6–lpr/lpr mice. Warren RW, et al. **Arthritis Rheum** 1984 May;27(5):545–51

Diagnosis of enteric fever by inhibition assay using peroxidase–labelled monoclonal antibody and Salmonella typhi lipopolysaccharide. Lim PL, et al. **Aust J Exp Biol Med Sci** 1983 Dec;61 (Pt 6):687–704

T cells, T cell subsets and immunoregulation. Gatenby PA, et al. **Aust NZ J Med** 1984 Feb;14(1):89–96 (54 ref.)

Cell subpopulations in the paracortical area of the normal human lymphnode defined by monoclonal antibodies. Manara GC, et al. **Basic Appl Histochem** 1983;27(4):267–76

Immunotoxins—theoretical and practical aspects. Hofstaetter T, et al. **Behring Inst Mitt** 1984 May;(74):113–21 (26 ref.)

Elucidation of the antigenic determinant in lipotropin for two monoclonal antibodies. Austen BM, et al. **Biochem Biophys Res Commun** 1983 Oct 31;116(2):527–33

Cross–reacting material to monoclonal anti–G6PD in the absence of catalytic activity. Dao ML, et al. **Biochem Biophys Res Commun** 1984 Feb 14;118(3):854–8

Characterization of two monoclonal antibodies obtained after immunization with human liver mitochondrial membrane preparations. Billett EE, et al. **Biochem J** 1984 Aug 1; 221(3):765–76

Production and characterization of monoclonal antibodies to beta–galactoside–binding lectin of bovine heart muscle. Direct evidence that haemagglutinating activity is associated with a 13kDa protein. Carding SR, et al. **Biochem J** 1984 May 15;220(1):253–60

A monoclonal antibody to human brain–type creatine kinase. Increased avidity with mercaptans. Jackson AP, et al. **Biochem J** 1983 Dec 1;215(3):505–12

Characterization of a monoclonal antibody to bovine xanthine oxidase. Kaetzel CS, et al. **Biochem J** 1984 May 1;219(3):917–25

The effect of mitogenic lectins and monoclonal antibodies on intracellular free calcium concentration in human T–lymphocytes. O'Flynn K, et al. **Biochem J** 1984 Apr 15;219(2):661–6

Studies of mammalian ornithine oecarboxylase using a monoclonal antibody. Pegg AE, et al. **Biochem J** 1984 Jan 1;217(1):123–8

The reactivities of human erythrocyte autoantibodies anti–Pr2, anti–Gd, Fl and Sa with gangliosides in a chromatogram binding assay. Uemura K, et al. **Biochem J** 1984 May 1;219(3):865–74

Monoclonal antibody against the N–terminal end of human plasma fibronectin. Vartio T, et al. **Biochem J** 1983 Oct 1;215(1):147–51

The binding of monoclonal antibodies to cell–surface molecules. A quantitative analysis with immunoglobulin G against two alloantigenic determinants of the human transplantation antigen HLA–A2. Ways JP, et al. **Biochem J** 1983 Nov 15;216(2):423–32

Monoclonal antibodies to phenobarbital–induced rat liver cytochrome P–450. Park SS, et al. **Biochem Pharmacol** 1984 Jul 1;33(13):2071–81

A monoclonal antibody to the estrogen receptor discriminates between the nonactivated and activated estrogen– and anti–estrogen–receptor complexes. Borgna JL, et al. **Biochemistry** 1984 May 8;23(10):2162–8

Mapping the binding of monoclonal antibodies to the acetylcholine receptor from Torpedo californica. Gullick WJ, et al. **Biochemistry** 1983 Jul 5;22(14):3312–20

Monoclonal antibodies specific for poly(dG) X poly(dC) and poly(dG) X poly(dm5C). Lee JS, et al. **Biochemistry** 1984 Jul 3;23(14):3277–81

Properties and application to immunoassay of monoclonal antibodies to neuron–specific gamma gamma enolase. Kimura S, et al. **Biochim Biophys Acta** 1984 Jun 29; 799(3):252–9

Phenotypic immaturity of T and B lymphocytes in cord blood of full–term normal neonates. Analysis of cell surface markers by using conventional techniques and monoclonal antibodies. Lucivero G, et al. **Biol Neonate** 1983;44(5):303–8

Interspecies cross–reactivity of monoclonal antibodies directed against human sperm antigens. Isahakia M, et al. **Biol Reprod** 1984 May;30(4):1015–26

Characterization of human sperm surface antigens with monoclonal antibodies. Wolf DP, et al. **Biol Reprod** 1983 Oct;29(3):713–23

Monoclonal antibodies to human insulin and their antigen binding behaviour. Ziegler M, et al. **Biomed Biochim Acta** 1984;43(5):695–701

Monoclonal antibodies specific for differentiation antigens of human myelomonocytic cells. Perussia B. **Biomed Pharmacother** 1983;37(3):113–8 (53 ref.)

Monoclonal antibody reactive with the human epidermal–growth–factor receptor recognizes the blood–group–A antigen. Gooi HC, et al. **Biosci Rep** 1983 Nov;3(11):1045–52

Monoclonal antibodies against the complement control protein factor H (beta 1 H). Sim E, et al. **Biosci Rep** 1983 Dec;3(12):1119–31

Selective deficiency of OKT4+ lymphocytes in a child with combined immunodeficiency. Duse M, et al. **Birth Defects** 1983;19(3):105–6

Monoclonal antibodies specific for platelet glycoproteins react with human monocytes. Bai Y, et al. **Blood** 1984 Jul; 64(1):139–46

J–5 antibody and prolymphocytic leukemia [letter] Berrebi A, et al. **Blood** 1983 Nov;62(5):1150–1

Characterization of a monoclonal antibody that reacts with an activation antigen on human B cells: reactions on mitogen–stimulated blood lymphocytes and cells of normal lymph nodes. Frisman D, et al. **Blood** 1983 Dec; 62(6):1224–9

Antigenic heterogeneity of human mononuclear phagocytes: immunohistologic analysis using monoclonal antibodies. Hancock WW, et al. **Blood** 1983 Dec;62(6):1271–9

A cytotoxic monoclonal antibody detecting a novel B cell membrane antigen expressed predominantly on cells bearing surface membrane immunoglobulin. Jephthah J, et al. **Blood** 1984 Feb;63(2):319–25

Distribution of antigens defined by OKB monoclonal antibodies on benign and malignant lymphoid cells and on nonlymphoid tissues. Knowles DM 2d, et al. **Blood** 1984 Apr;63(4):886–96

Monoclonal antibodies differentiating between monocytic and nonmonocytic variants of AML. Linch DC, et al. **Blood** 1984 Mar;63(3):566–73

Anti–HEL cell monoclonal antibodies recognize determinants that are also present in hemopoietic progenitors. Papayannopoulou T, et al. **Blood** 1984 Feb; 63(2):326–34

A murine monoclonal antibody that blocks fibrinogen binding to normal platelets also inhibits fibrinogen interactions with chymotrypsin–treated platelets. Peerschke EI, et al. **Blood** 1984 Jul;64(1):59–63

Coincidence of B–cell chronic lymphocytic leukemia and cutaneous T–cell lymphoma (mycosis fungoides): immunologic characterization by monoclonal antibodies. Sheibani K, et al. **Blood** 1983 Dec;62(6):1176–81

Characterization of 25 monoclonal antibodies to factor VIII–von Willebrand factor: relationship between ristocetin–induced platelet aggregation and platelet adherence to subendothelium. Stel HV, et al. **Blood** 1984 Jun;63(6):1408–15

Monoclonal antibody to an epitope on the heavy chain of factor IX missing in three hemophilia–B patients. Thompson AR. **Blood** 1983 Nov;62(5):1027–34

Correlation of two in vitro tests with clinical response to immunosuppressive therapy in 54 patients with severe aplastic anemia. Torok–Storb B, et al. **Blood** 1984 Feb; 63(2):349–55

A granulocyte reactive monoclonal antibody, 1G10, identifies the Gal beta 1–4 (Fuc alpha 1–3)GlcNAc (X determinant) expressed in HL–60 cells on both glycolipid and glycoprotein molecules. Urdal DL, et al. **Blood** 1983 Nov; 62(5):1022–6

A monoclonal antibody (WT1) for detecting leukemias of T–cell precursors (T–ALL). Vodinelich L, et al. **Blood** 1983 Nov;62(5):1108–13

Phenotypic analysis of established diffuse histiocytic lymphoma cell lines utilizing monoclonal antibodies and cytochemical techniques. Winter JN, et al. **Blood** 1984 Jan; 63(1):140–6

Immunofluorescence with monoclonal antibodies on poly–L–lysine coated slides: an alternative to conventional methods. Mehta MM, et al. **Blut** 1983 Oct;47(4):237–42

Platelet surface antigens: analysis by monoclonal antibodies. I. Antibodies. I. Immunological and biochemical studies. Santoso S, et al. **Blut** 1984 Mar;48(3):161–70

Monoclonal antibodies against differentiation antigens of lymphopoiesis. Thiel E. **Blut** 1983 Nov;47(5):247–61

Antigenicity and drug susceptibility of human osteogenic sarcoma cells 'escaping' a cytotoxic methotrexate–albumin–monoclonal antibody conjugate. Embleton MJ, et al. **Br J Cancer** 1984 May;49(5):559–65

Antibody–dependent–cellular–cytotoxicity against cultured human breast cancer cells mediated by human effector cells using monoclonal and polyclonal antibodies. Gore ME, et al. **Br J Cancer** 1983 Dec;48(6):877–9

Carcinoembryonic antigen (CEA) expression and heterogeneity in primary and autologous metastatic gastric tumours demonstrated by a monoclonal antibody. Hockey MS, et al. **Br J Cancer** 1984 Feb;49(2):129–33

Characterisation of breast cancer infiltrates using monoclonal antibodies to human leucocyte antigens. Rowe DJ, et al. **Br J Cancer** 1984 Feb;49(2):149–59

Consumption of monoclonal anti–idiotypic antibody by neoplastic B lymphocytes: a guide for immunotherapy. Stevenson FK, et al. **Br J Cancer** 1984 Sep;50(3):407–13

Elastic fibres: histological correlation with orcein and a new monoclonal antibody, HB8. Dawson JF, et al. **Br J Dermatol** 1984 May;110(5):539–46

Anti–D47: a monoclonal antibody reacting with the secretory cells of human eccrine sweat glands. Kanitakis J, et al. **Br J Dermatol** 1983 Nov;109(5):509–13

GM 58/8: a monoclonal antibody that identifies a new lineage–specific determinant expressed by myeloid progenitors (CFU–GM) and their progeny. Das Gupta A, et al. **Br J Haematol** 1984 Sep;58(1):147–58

Immunohistological analysis of human bone marrow trephine biopsies using monoclonal antibodies. Falini B, et al. **Br J Haematol** 1984 Mar;56(3):365–86

Monoclonal antibody specific for granulocytic–lineage cells and reactive with human pluripotent and committed haematopoietic progenitor cells. Janowska–Wieczorek A, et al. **Br J Haematol** 1984 Sep;58(1):159–68

A monoclonal antibody binding to human medulloblastoma cells and to the platelet glycoprotein IIB–IIIA complex. Jones D, et al. **Br J Haematol** 1984 Aug;57(4):621–31

Hybridoma antibodies to human von Willebrand factor. II. Relative role of intramolecular loci in mediation of platelet adhesion to the subendothelium. Meyer D, et al. **Br J Haematol** 1984 Aug;57(4):609–20

Monoclonal antibodies against human platelet glycoprotein IIIa. Tetteroo PA, et al. **Br J Haematol** 1983 Nov; 55(3):509–22

Monoclonal antibodies for the histopathological diagnosis of cervical neoplasia. Jha RS, et al. **Br J Obstet Gynaecol** 1984 May;91(5):483–8

Monoclonal antibodies to HLA–B27. Grumet FC. **Br J Rheumatol** 1983 Nov;22(4 Suppl 2):110–8 (11 ref.)

Hybridomas, monoclonal cells and analysis of the immune system. Beverley PC. **Br Med Bull** 1984 Jul;40(3):213–7 (37 ref.)

Monoclonal antibodies to HLA determinants. Bodmer JG, et al. **Br Med Bull** 1984 Jul;40(3):267–75 (106 ref.)

Monoclonal antibodies to neural antigens. Brockes J. **Br Med Bull** 1984 Jul;40(3):229–32 (34 ref.)

Monoclonal antibodies in parasitic infectious diseases. Cohen S. **Br Med Bull** 1984 Jul;40(3):291–6 (65 ref.)

Applications of monoclonal antibodies in cancer therapy. Dillman RO, et al. **Br Med Bull** 1984 Jul;40(3):240–6 (84 ref.)

Inhibition of human T lymphocyte function with monoclonal antibodies. Dongworth DW, et al. **Br Med Bull** 1984 Jul; 40(3):254–61 (66 ref.)

'Purging' of bone marrow and immunosuppression. Janossy G. **Br Med Bull** 1984 Jul;40(3):247–53 (67 ref.)

Viral and bacterial infectious diseases. Porterfield JS, et al. **Br Med Bull** 1984 Jul;40(3):283–90 (92 ref.)

Clinical assays of products of normal and malignant cells. Siddle K. **Br Med Bull** 1984 Jul;40(3):276–82 (69 ref.)

Tumour imaging and drug targeting. Sikora K, et al. **Br Med Bull** 1984 Jul;40(3):233–9 (80 ref.)

Carcinomatous meningitis diagnosed with monoclonal antibodies. Coakham HB, et al. **Br Med J [Clin Res]** 1984 Apr 28;288(6426):1272

Detection by monoclonal antibody of carbohydrate antigen CA 50 in serum of patients with carcinoma. Holmgren J, et al. **Br Med J [Clin Res]** 1984 May 19;288(6429):1479–82

Selective groups of neuronal and mesodermal cells recognized early in grasshopper embryogenesis by a monoclonal antibody. Chang S, et al. **Brain Res** 1983 Sep; 285(3):297–304

Generating monoclonal antibodies against excised gel bands to correlate immunocytochemical and biochemical data. Flaster MS, et al. **Brain Res** 1983 Oct 24;277(1):196–9

The monoclonal antibody A2B5 is specific to ganglioside GQ1c. Kasai N, et al. **Brain Res** 1983 Oct 24;277(1):155–8

Interaction of [3H] estradiol – and [3H] monohydroxytamoxifen–estrogen receptor complexes with a monoclonal antibody. Tate AC, et al. **Breast Cancer Res Treat** 1983;3(3):267–77

Characterization of anti–Citrobacter 036 specific polysaccharide monoclonal antibodies. Shearman PJ, et al. **Can J Microbiol** 1984 Jan;30(1):91–7

T–suppressor cell chronic lymphocytic leukemia. Phenotypic characterization by monoclonal antibodies. Bakri K, et al. **Cancer** 1984 Jul 15;54(2):284–92

Reactivity of monoclonal antibodies Leu 1 and OKT1 with malignant human lymphoid cells. Correlation with conventional cell markers. Knowles DM 2d, et al. **Cancer** 1983 Oct 15;52(8):1369–77

Increased proportion of suppressor/cytotoxic (OKT8+) cells in patients with Hodgkin's disease in long–lasting remission. Lauria F, et al. **Cancer** 1983 Oct 15;52(8):1385–8

Imaging of human tumor xenografts in nude mice with radiolabeled monoclonal antibodies. Limitations of specificity due to nonspecific uptake of antibody. Mann BD, et al. **Cancer** 1984 Oct 1;54(7):1318–27

Acid phosphatase localization in prostatic carcinoma. A comparison of monoclonal antibody to heteroantisera. Shevchuk MM, et al. **Cancer** 1983 Nov 1;52(9):1642–6

Demonstration of cells bearing the OKT6 determinant in human tonsil and lymph node. McMillan EM, et al. **Cancer Immunol Immunother** 1983;15(3):221–6

Characterization of prostate–tissue–directed monoclonal antibody, alpha–Pro 13. Webb KS, et al. **Cancer Immunol Immunother** 1984;17(1):7–17

Production and characterization of monoclonal antibodies against human malignant melanoma. Herlyn M, et al. **Cancer Invest** 1983;1(3):215–24

Enzyme immunoassay of benzo[a]pyrene conjugated to DNA, RNA and microsomal proteins using a monoclonal antibody. Wallin H, et al. **Cancer Lett** 1984 Mar; 22(2):163–70

Unusually efficient tumor cell lysis by human effectors of antibody–dependent cellular cytotoxicity mediated by monoclonal antibodies. Christiaansen JE, et al. **Cancer Res** 1984 Sep;44(9):3712–8

Reactivity of monoclonal antibody F36/22 with human ovarian adenocarcinomas. Croghan GA, et al. **Cancer Res** 1984 May;44(5):1954–62

Inhibition of human melanoma cell growth in vitro by monoclonal anti–GD3–ganglioside antibody. Dippold WG, et al. **Cancer Res** 1984 Feb;44(2):806–10

Characterization of a monoclonal antibody to ligandin. Oxenham EA, et al. **Cancer Res** 1984 Feb;44(2):772–6

Antigens associated with a human lung adenocarcinoma defined by monoclonal antibodies. Varki NM, et al. **Cancer Res** 1984 Feb;44(2):681–7

Quantitation of O6-ethyldeoxyguanosine in ENU alkylated DNA by polyclonal and monoclonal antibodies. Wani AA, et al. **Carcinogenesis** 1984 Sep;5(9):1145–50

Differential labelling of trypanosome microtubules using tubulin subunit monoclonal antibodies. Cumming R, et al. **Cell Biol Int Rep** 1984 Jan;8(1):2

A class of large polysaccharides contains the antigenic determinants for the cytotoxic antibodies in a conventional syngeneic anti-F9 serum as well as a monoclonal antibody prepared against F9 cells. Iwakura Y, et al. **Cell Differ** 1983 Sep;13(1):41–8

Characterization of a monoclonal antibody reactive with rabbit T lymphocytes and neutrophils. Chen Z, et al. **Cell Immunol** 1984 May;85(2):297–308

Target level blocking of T-cell cytotoxicity for human malignant melanoma by monoclonal antibodies. Knuth A, et al. **Cell Immunol** 1984 Feb;83(2):398–403

Effects of monoclonal antibodies against lymphocyte surface antigens on interleukin 2 excretion by Epstein-Barr virus-specific human T-cell hybridomas. Lakow ES, et al. **Cell Immunol** 1984 Apr 15;85(1):67–74

Lymphokine-mediated activation of human monocytes: neutralization by monoclonal antibody to interferon-gamma. Le J, et al. **Cell Immunol** 1984 Apr 15; 85(1):278–83

Mononuclear phagocyte maturation: a cytotoxic monoclonal antibody reactive with postmonoblast stages. LeBlanc PA, et al. **Cell Immunol** 1984 Feb;83(2):242–54

Characterization of cytostatic effector lymphocytes during the development of a syngeneic lymphosarcoma in C3H mice: use of monoclonal reagents to identify T-cell subsets. Matossian-Rogers A, et al. **Cell Immunol** 1983 Dec; 82(2):292–307

Effector activity of OKT4+ and OKT8+ T-cell subsets in lectin-dependent cell-mediated cytotoxicity against adherent HEp-2 cells. Perl A, et al. **Cell Immunol** 1984 Mar;84(1):185–93

Human natural cytotoxic lymphocytes: definition by a monoclonal antibody of a subset which kills an anchorage-dependent target cell line but not the K-562 cell line. Rola-Pleszczynski M, et al. **Cell Immunol** 1983 Dec;82(2):326–33

Regulation of natural killer cell activity by anti-I-region monoclonal antibodies. Sharma SD, et al. **Cell Immunol** 1984 Apr 15;85(1):125–34

Inhibition of lymphocyte proliferation by monoclonal antibody directed against the T3 antigen on human T cells. Van Wauwe JP, et al. **Cell Immunol** 1984 Jul;86(2):525–34

Monoclonal antibodies to human plasma low-density lipoproteins. I. Enhanced binding of 125I-labeled low-density lipoproteins by combined use of two monoclonal antibodies. Mao SJ, et al. **Clin Chem** 1983 Nov; 29(11):1890–7

Monoclonal antibodies can precipitate human plasma low-density-lipoprotein in gel [letter] Marcovina S. **Clin Chem** 1984 Jun;30(6):1101

Monoclonal antibodies to human plasma low-density lipoproteins. II. Evaluation for use in radioimmunoassay for apolipoprotein B in patients with coronary artery disease. Patton JG, et al. **Clin Chem** 1983 Nov; 29(11):1898–903

Characterisation of monoclonal antibodies for human luteinising hormone, and mapping of antigenic determinants on the hormone. Soos M, et al. **Clin Chim Acta** 1983 Oct 14;133(3):263–74

Phenotype study with monoclonal antibodies of T lymphocyte colonies in normal individuals and in patients with chronic OKT8+ lymphocytic leukaemia. Andre C, et al. **Clin Exp Immunol** 1983 Nov;54(2):515–24

Modulation of human B cell responses by a monoclonal antibody to an activation antigen 4F2. Gerrard TL, et al. **Clin Exp Immunol** 1984 Jul;57(1):155–62

Triggering of monoclonal human lymphoma B cells with antibodies to IgM heavy chains: differences of response obtained with monoclonal as compared to polyclonal antibodies. Godal T, et al. **Clin Exp Immunol** 1983 Dec; 54(3):756–64

Detection of a circulating gastrointestinal cancer antigen in sera of patients with gastrointestinal malignancies by a double determinant immunoassay with monoclonal antibodies against human blood group determinants. Herlyn M, et al. **Clin Exp Immunol** 1984 Jan;55(1):23–35

Activation of immune regulatory circuits among OKT4+ cells by autologous mixed lymphocyte reactions. Kotani H, et al. **Clin Exp Immunol** 1984 May;56(2):390–8

Glomerulonephritis induced by pre-formed immune complexes containing monoclonal antibodies of defined affinity and isotype. Lew AM, et al. **Clin Exp Immunol** 1984 Aug;57(2):413–22

Characterization and idiotypic analysis of an anti-RNP monoclonal antibody. Pisetsky DS, et al. **Clin Exp Immunol** 1984 Jun;56(3):593–600

Reactivity of presumed anti-natural killer cell antibody Leu 7 with intrafollicular T lymphocytes. Poppema S, et al. **Clin Exp Immunol** 1983 Dec;54(3):834–7

Production of a monoclonal antibody to autoantigenic components of human glomerular basement membrane. Pressey A, et al. **Clin Exp Immunol** 1983 Oct;54(1):178–84

Murine anti-lymphocyte monoclonal antibodies fail to act as opsonins for allogeneic human peripheral blood polymorphonuclear phagocytes. Roberton DM, et al. **Clin Exp Immunol** 1984 Feb;55(2):444–50

Analysis of T cell subsets by monoclonal antibodies in patients with tuberculosis after in vitro stimulation with purified protein derivative of tuberculin. Shiratsuchi H, et al. **Clin Exp Immunol** 1984 Aug;57(2):271–8

A monoclonal antibody with specificity for Trypanosoma cruzi, central and peripheral neurones and glia. Snary D, et al. **Clin Exp Immunol** 1983 Dec;54(3):617–24

The skin test antigen stimulated killer (STAK) cell mediating NK like CMC is OKM1 positive and OKT3 negative. Tartof D, et al. **Clin Exp Immunol** 1983 Nov;54(2):561–6

Monoclonal antibody (WT 1) directed against a T cell surface glycoprotein: characteristics and immunosuppressive activity. Tax WJ, et al. **Clin Exp Immunol** 1984 Feb; 55(2):427–36

The use of a peroxidase-anti-peroxidase complex for the visualization of monoclonal antibodies on the ultrastructural level. van der Weij JP, et al. **Clin Exp Immunol** 1983 Dec;54(3):819–26

Binding of cytoskeletal proteins by monoclonal anti-DNA lupus autoantibodies. André-Schwartz J, et al. **Clin Immunol Immunopathol** 1984 May;31(2):261–71

Human monocyte-histiocyte differentiation antigens identified by monoclonal antibodies. Kamoun M, et al. **Clin Immunol Immunopathol** 1983 Nov;29(2):181–95

Human monoclonal antibodies to cytokeratins associated with squamous cell carcinoma. Pickering JW, et al. **Clin Immunol Immunopathol** 1984 Aug;32(2):253–60

Idiotypic cross-reaction between MRL monoclonal autoantibodies with different antigen specificity. Pisetsky DS, et al. **Clin Immunol Immunopathol** 1984 Mar; 30(3):461–8

Administration of prednisolone in vivo affects the ratio of OKT4/OKT8 and the LDH-isoenzyme pattern of human T lymphocytes. ten Berge RJ, et al. **Clin Immunol Immunopathol** 1984 Jan;30(1):91–103

The phenotype of lymphocytes in a thymoma as studied with monoclonal antibodies. Woda BA, et al. **Clin Immunol Immunopathol** 1984 Feb;30(2):197–201

Observations in the study of T-lymphocyte subsets by monoclonal antibodies and flow cytometric analysis in intracranial neoplastic disorders. Kril MP, et al. **Clin Neurosurg** 1983;30:125–36

Monoclonal antibodies as probes for differentiating tropoelastin a and b. Karr SR, et al. **Coll Relat Res** 1983 Nov;3(6):459–67

The clinical use of specific monoclonal antibodies to human IgE in allergy diagnosis. Gillcash RS, et al. **Conn Med** 1984 Feb;48(2):73–7

Monoclonal antibodies to rabbit corneal keratan sulfate proteoglycan. Funderburgh JL, et al. **Curr Eye Res** 1982–83;2(11):769–76

Selective cytotoxicity of monoclonal antibodies against fibroblasts: application in growth of human corneal epithelial cells in culture. SundarRaj N, et al. **Curr Eye Res** 1984 Apr;3(4):637–44

Immunohistochemical localization of two monoclonal antibody-defined carbohydrate antigens during early murine embryogenesis. Fenderson BA, et al. **Dev Biol** 1983 Dec;100(2):318–27

Monoclonal antibodies to HBsAg: a study of their specificities for eight different HBsAg subtypes. Couroucé AM, et al. **Dev Biol Stand** 1983;54:527–34

Use of a monoclonal antibody in the detection of HBsAg in the liver by immunofluorescence. Hadziyannis SJ. **Dev Biol Stand** 1983;54:517–21

Suppressive effect of antibodies to immune response gene products on the development of low-dose streptozotocin-induced diabetes. Kiesel U, et al. **Diabetes** 1983 Sep;32(9):869–71

Monoclonal antibodies specific for glial fibrillary acidic (GFA) protein and for each of the neurofilament triplet polypeptides. Debus E, et al. **Differentiation** 1983; 25(2):193–203

A monoclonal antibody specific for the 200 K polypeptide of the neurofilament triplet. Debus E, et al. **EMBO J** 1982; 1(1):41–5

A monoclonal antibody against a synthetic peptide is specific for the free native human chorionic gonadotropin beta-subunit. Bellet D, et al. **Endocrinology** 1984 Jul; 115(1):330–6

The production and characterization of monoclonal antibodies specific for human proinsulin using a sensitive microdot assay procedure. Madsen OD, et al. **Endocrinology** 1983 Dec;113(6):2135–44

Characterization of monoclonal antibodies against beta-bungarotoxin and their use as structural probes for related phospholipase A2 enzymes and presynaptic phospholipase neurotoxins. Strong PN, et al. **Eur J Biochem** 1984 Jul 2;142(1):145–51

Immunomodulation: NK cells activated by interferon-conjugated monoclonal antibody against human osteosarcoma. Flannery GR, et al. **Eur J Cancer Clin Oncol** 1984 Jun;20(6):791–8

Monoclonal antibodies to different epitopes of human alpha-fetoprotein (AFP). Micheel B, et al. **Eur J Cancer Clin Oncol** 1983 Sep;19(9):1239–46

Human lymphocyte response to CEA: titration of different CEA samples and neutralization experiments with monoclonal anti-CEA antibodies. Müller M, et al. **Eur J Cancer Clin Oncol** 1983 Oct;19(10):1421–9

Monoclonal antibodies reactive with glioma cell lines derived from experimental brain tumors. Stavrou D, et al. **Eur J Cancer Clin Oncol** 1983 Oct;19(10):1439–49

MRC OX-19: a monoclonal antibody that labels rat T lymphocytes and augments in vitro proliferative responses. Dallman MJ, et al. **Eur J Immunol** 1984 Mar;14(3):260–7

Rabbit leukocyte surface antigens defined by monoclonal antibodies. De Smet W, et al. **Eur J Immunol** 1983 Nov; 13(11):919–28

A monoclonal antibody which differentiates between bound and free human secretory component. Gore ME, et al. **Eur J Immunol** 1984 Apr;14(4):344–9

Identification of an anti-monocyte monoclonal antibody that is specific for membrane complement receptor type one (CR1). Hogg N, et al. **Eur J Immunol** 1984 Mar; 14(3):236–43

Monoclonal antibodies to polymorphic epitopes on Ia antigens: three independent groups of determinants expressed on DRw6 homozygous cells. Johnson JP, et al. **Eur J Immunol** 1984 Aug;14(8):739–44

Induction of resting B cells to DNA synthesis by soluble monoclonal anti-immunoglobulin. Julius MH, et al. **Eur J Immunol** 1984 Aug;14(8):753–7

Mechanism of T lymphocyte activation by OKT3 antibodies. A general model for T cell induction. Landegren U, et al. **Eur J Immunol** 1984 Apr;14(4):325–8

Monoclonal autoantibodies to histones from autoimmune NZB/NZW F1 mice. Laskov R, et al. **Eur J Immunol** 1984 Jan;14(1):74–81

Absence of cell surface fixation of a monoclonal antibody detectable by conventional immunoassays does not exclude expression of and interaction with the corresponding antigenic determinant. Layet C, et al. **Eur J Immunol** 1984 Jan;14(1):99–102

Monoclonal antibodies specific for murine IgM I. Characterization of antigenic determinants on the four constant domains of the mu heavy chain. Leptin M, et al. **Eur J Immunol** 1984 Jun;14(6):534–42

A mouse monoclonal antibody against rabbit VH allotype shares the predominant idiotype with a rabbit antibody of the same specificity. Metzger DW. **Eur J Immunol** 1984 Apr;14(4):304–8

The expressed lysozyme-specific B cell repertoire. I. Heterogeneity in the monoclonal anti-hen egg white lysozyme specificity repertoire, and its difference from the in situ repertoire. Metzger DW, et al. **Eur J Immunol** 1984 Jan;14(1):87–93

Restriction fine specificity of long-term, hapten-specific cytotoxic T cell clones: analysis with H-2Kbm-mutant mice and H-2Kb-specific monoclonal antibodies. Pircher H, et al. **Eur J Immunol** 1984 Feb;14(2):144–52

Monoclonal anti-cardiolipin antibodies bind to DNA. Rauch J, et al. **Eur J Immunol** 1984 Jun;14(6):529–34

Mapping epitopes on the insulin molecule using monoclonal antibodies. Schroer JA, et al. **Eur J Immunol** 1983 Sep; 13(9):693–700

Human lymphoblastoid cell line producing protective monoclonal IgG1, kappa anti-tetanus toxin. Tiebout RF, et al. **Eur J Immunol** 1984 May;14(5):399–404

Monoclonal antibodies to stromal cell types of the mouse thymus. Van Vliet E, et al. **Eur J Immunol** 1984 Jun; 14(6):524–9

Characterization of a major human antibody clonotype (1A) by monoclonal antibodies to combining site-associated idiotopes. Zenke G, et al. **Eur J Immunol** 1984 Feb; 14(2):164–70

Influence of operative trauma on circulating blood mononuclear cells: analysis using monoclonal antibodies. Grzelak I, et al. **Eur Surg Res** 1984;16(2):105–12

Monoclonal antibodies to the collagen binding domain of human plasma fibronectin. Tarone G, et al. **Exp Cell Biol** 1984;52(4):225–36

Monoclonal antibodies to the sea urchin egg vitelline layer inhibit fertilization by blocking sperm adhesion. Gache C, et al. **Exp Cell Res** 1983 Aug;147(1):75–84

A monoclonal antibody to myelogenous leukemia: isolation and characterization. Malcolm AJ, et al. **Exp Hematol** 1984 Aug;12(7):539–47

Double fluorochrome analysis of human bone marrow lymphoid cells: studies with terminal transferase and anti-T-cell monoclonal antibodies. Neudorf SM, et al. **Exp Hematol** 1984 Jan;12(1):69–73

Monoclonal antibodies to L-asparaginase. Kitao T, et al. **Experientia** 1984 Feb 15;40(2):200–1

Characterization of a monoclonal antibody to human sex hormone binding globulin. Hammond GL, et al. **FEBS Lett** 1984 Mar 26;168(2):307–12

Functional groups on 'Z' DNA recognized by monoclonal antibodies. Lee JS, et al. **FEBS Lett** 1984 Mar 26; 168(2):303–6

Epitopes of human intestinal alkaline phosphatases, defined by monoclonal antibodies. Ray K, et al. **FEBS Lett** 1984 Sep 3;174(2):294–9

The effect of monoclonal antibodies on Schistosoma mansoni cercarial penetration of mouse skin. Abdel-Hafez SK, et al. **Folia Parasitol (Praha)** 1983;30(4):351–5

A monoclonal antibody that defines p24, a core protein of adult T-cell leukemia virus, and its precursor. Fujii M, et al. **Gann** 1984 Jul;75(7):595–602

A proliferation-associated rat cell surface antigen recognized by a murine monoclonal antibody. Hashimoto Y, et al. **Gann** 1983 Dec;74(6):819-21

A monoclonal antibody reactive with gastric carcinoma. Sekine T, et al. **Gann** 1984 Feb;75(2):106-8

Cytomegalovirus hepatitis: evidence for direct hepatic viral infection using monoclonal antibodies. Sacks SL, et al. **Gastroenterology** 1984 Feb;86(2):346-50

Analysis of cell surface antigens expressed on a human lung carcinoma by monoclonal antibodies. Kasai M. **Hokkaido Igaku Zasshi** 1983 Jul;58(4):376-89

Protein A radio-assay of H-Y antigen on human leukocytes using mouse and rat antisera and monoclonal antibodies. Savikurki H, et al. **Hum Genet** 1983;65(2):190-4

Characterization and expression of the HLA-DC antigens defined by anti-Leu 10. Chen YX, et al. **Hum Immunol** 1984 Aug;10(4):221-35

A 55,000 Mr surface antigen on activated human T lymphocytes defined by a monoclonal antibody. Hemler ME, et al. **Hum Immunol** 1983 Oct;8(2):153-65

A mouse monoclonal antibody detecting a DR-related MT2-like specificity: serology and biochemistry. Koning F, et al. **Hum Immunol** 1984 Apr;9(4):221-30

Characterization of a murine monoclonal antibody specific for human early lymphohemopoietic cells. Malavasi F, et al. **Hum Immunol** 1984 Jan;9(1):9-20

Binding of monoclonal antibodies inhibits dissociation but not exchange of HLA and beta 2-microglobulin. Parham P. **Hum Immunol** 1983 Nov;8(3):207-15

Isolation of heavy chain class switch variants of a monoclonal anti-DC1 hybridoma cell line: effective conversion of noncytotoxic IgG1 antibodies to cytotoxic IgG2 antibodies. Parham P, et al. **Hum Immunol** 1983 Oct;8(2):141-51

Analysis of the repertoire of anti-HLA antibodies with anti-idiotypes to a murine anti-HLA-A2,A28 monoclonal antibody. Russo C, et al. **Hum Immunol** 1984 May; 10(1):57-67

A monoclonal antibody that blocks class II histocompatibility-related immune interactions. Todd RF 3d, et al. **Hum Immunol** 1984 May;10(1):23-40 (72 ref.)

Monoclonal antibodies to the human mammary gland: III. Monoclonal antibody LICR-LON-M18 identifies impaired expression and excess sialylation of the I(Ma) cell-surface antigen by primary breast carcinoma cells. Foster CS, et al. **Hum Pathol** 1984 Jun;15(6):502-13

An immunohistochemical study of human central and peripheral nervous system tumors, using monoclonal antibodies against neurofilaments and glial filaments. Trojanowski JQ, et al. **Hum Pathol** 1984 Mar;15(3):248-57

Two monoclonal antibodies recognizing determinants on human embryonal carcinoma cells react specifically with the liver isozyme of human alkaline phosphatase. Andrews PW, et al. **Hybridoma** 1984;3(1):33-9

Distribution of monoclonal antibody-defined monosialoganglioside in normal and cancerous human tissues: an immunoperoxidase study. Arends JW, et al. **Hybridoma** 1983;2(2):219-29

Target antigen of monoclonal reagent S5.7: comparison with T3 antigen. Borst J, et al. **Hybridoma** 1983;2(3):265-74

Characterization of a monoclonal antibody (A12) that defines a human acute lymphoblastic leukemia-associated differentiation antigen. Carrel S, et al. **Hybridoma** 1983; 2(2):149-60

Monoclonal antibody to human eosinophils recognizing 95 kD surface membrane antigen. Foon KA, et al. **Hybridoma** 1983;2(4):393-402

Monoclonal antibody which recognizes a common antigenic determinant on intermediate filament proteins, actin, and myosin. Franklin RM, et al. **Hybridoma** 1983;2(3):275-85

Detection of carcinoembryonic antigen and related antigens in sera of patients with gastrointestinal tumors using monoclonal antibodies in double-determinant radioimmunoassays. Herlyn M, et al. **Hybridoma** 1983; 2(3):329-39

Monoclonal antibodies directed against human lymphoid, monocytic, and granulocytic cells: reactivities with other tissues. Hsu SM, et al. **Hybridoma** 1983;2(4):403-12

Monoclonal antibody to cardiac myosin: imaging of experimental myocardial infarction. Khaw BA, et al. **Hybridoma** 1984;3(1):11-23

Selection of monoclonal antibody to hCG which localizes in human choriocarcinoma growing in the Syrian hamster cheek pouch. Khazaeli MB, et al. **Hybridoma** 1984;3(1):41-8

Lym 7.3: new murine specificity defining third allele of the Ly 7 locus. Lanier LL, et al. **Hybridoma** 1983;2(2):177-85

Characterization of murine hemopoietic cells using rat anti-mouse monoclonal antibodies. Loken MR, et al. **Hybridoma** 1983;2(1):55-68

Monoclonal antibodies specific for the b5 allotype of rabbit kappa light chains. McCormack WT, et al. **Hybridoma** 1983;2(1):97-107

Monoclonal antibodies to three widely distributed human cell surface antigens. Mattes MJ, et al. **Hybridoma** 1983; 2(3):253-64

Monoclonal autoantibody directed toward histone and capable of inducing LE cell formation. Miller MM, et al. **Hybridoma** 1983;2(2):201-9

Monoclonal antibody to human epidermal growth factor. Moriarity DM, et al. **Hybridoma** 1983;2(3):321-7

Monoclonal antibodies directed against human fibroblast interferon: characterization and functional studies. Nyari LJ, et al. **Hybridoma** 1983;2(1):79-86

Mouse monoclonal antibody with specificity for human interferon gamma. Oleszak E, et al. **Hybridoma** 1983; 2(4):439-49

Identification and isolation of Lewis blood group antigens from human saliva using monoclonal antibodies. Pak KY, et al. **Hybridoma** 1984;3(1):1-10

Monoclonal antibody (F5) to human prostate antigen. Papsidero LD, et al. **Hybridoma** 1983;2(2):139-47

Monoclonal antibodies specific for the virion polypeptide, p27, of avian retroviruses. Parsons SJ, et al. **Hybridoma** 1984;3(1):25-31

Monoclonal antibodies against chicken lymphocyte surface antigens. Pink JR, et al. **Hybridoma** 1983;2(3):287-96

Monoclonal antibody specific to the beta subunit of human chorionic gonadotropin (hCG) and capable of agglutinating hCG-coated red blood cells. Rahamim N, et al. **Hybridoma** 1984;3(1):49-55

In vivo and in vitro binding of iodinated monoclonal antibody A2B5 to RIN insulinoma cells. Shimizu K, et al. **Hybridoma** 1983;2(1):69-77

Comparison of target antigens of monoclonal reagents OKT5, OKT8, and Leu2A, which inhibit effector function of human cytotoxic T lymphocytes. Snow P, et al. **Hybridoma** 1983;2(2):187-99

Characterization of monoclonal antibodies against cell surface molecules associated with cytotoxic activity of natural and activated killer cells and cloned CTL lines. Spits H, et al. **Hybridoma** 1983;2(4):423-37

Hypothesis: macrophages as effector cells for human tumor destruction mediated by monoclonal antibody. Steplewski Z, et al. **Hybridoma** 1983;2(1):1-5

Monoclonal antibody against human macrophages/monocytes and granulocytes. Taniyama T, et al. **Hybridoma** 1983;2(2):161-8

Monoclonal antibodies to murine immunoglobulin isotypes. Weiss S, et al. **Hybridoma** 1983;2(1):49-54

Testing of monoclonal antibody specificity. Wright JF, et al. **Hybridoma** 1983;2(3):351-3

Induction of proliferation and differentiation of murine B cells bearing surface Ig lambda by rat monoclonal antibody to lambda chain. Yagawa K, et al. **Hybridoma** 1983; 2(2):169-75

Development and properties of a monoclonal antibody specific for human ecto-5'-nucleotidase. Kummer U, et al. **Immunobiology** 1984 Mar;166(2):203-11

Plasma cells and their precursors. IV. Cross-reacting and non-cross-reacting, sheep erythrocyte lysing IgG antibody clones induced in rabbits immunized with rat- and chicken-erythrocytes. Veenhoff E, et al. **Immunobiology** 1984 Jan;166(1):72-83

Monoclonal antibodies to mouse MHC antigens. I. Serologic characterization of ten anti-H-2 and anti-Ia reagents. Hauptfeld V, et al. **Immunogenetics** 1984;19(2):169-73

An anti-lymphocyte monoclonal antibody (HB8) which cross reacts with human dermal elastic fibers. Brochier J, et al. **Immunol Lett** 1984;7(5):279-83

Generation of hybridoma antibodies to double-stranded DNA from non-autoimmune BALB/c strain: studies on anti-idiotype. Monier JC, et al. **Immunol Lett** 1984; 8(2):61-8

Immunoregulatory T cell subpopulations in man: dissection by monoclonal antibodies and Fc-receptors. Ballieux RE, et al. **Immunol Rev** 1983;74:5-28 (66 ref.)

Characterization of the murine antigenic determinant, designated L3T4a, recognized by monoclonal antibody GK1.5: expression of L3T4a by functional T cell clones appears to correlate primarily with class II MHC antigen-reactivity. Dialynas DP, et al. **Immunol Rev** 1983; 74:29-56 (67 ref.)

Functions of rat T-lymphocyte subsets isolated by means of monoclonal antibodies. Mason DW, et al. **Immunol Rev** 1983;74:57-82 (65 ref.)

Non-activated guinea-pig T cells and thymocytes express Ia antigens: FACS analysis with alloantibodies and monoclonal antibodies. Burger R, et al. **Immunology** 1984 Jan;51(1):93-102

Differential effect of two monoclonal anti-Lyt-1 alloantibodies on lymphocyte distribution in vivo. Carroll AM, et al. **Immunology** 1984 Jun;52(2):325-30

A murine monoclonal antibody against blood group H type-1 and -2 structures. Doinel C, et al. **Immunology** 1983 Oct; 50(2):215-21

Differing effects of monoclonal anti-hapten antibodies on humoral responses to soluble or particulate antigens. Enriquez-Rincon F, et al. **Immunology** 1984 May; 52(1):129-36

Cellular bases of the production of and response to interleukin-2 in man: role of autologous rosette-forming T-cell subsets defined with monoclonal antibodies. Fishbein E, et al. **Immunology** 1983 Oct;50(2):223-7

Generation of cytotoxic T cells in the rat mixed lymphocyte reaction is blocked by monoclonal antibody MRC OX-8. Green JR. **Immunology** 1984 Jun;52(2):253-60

Monoclonal antibodies reactive with idiotypic and variable-region specific determinants on human immunoglobulins. Greenstein JL, et al. **Immunology** 1984 Jan;51(1):17-25

In vivo modulation of thymus-derived lymphocytes with monoclonal antibodies in mice. III. Spontaneous and natural cytotoxic effector cells. Herbert AG, et al. **Immunology** 1984 Feb;51(2):377-85

Binding properties of monoclonal anti-IgG antibodies: analysis of binding curves in monoclonal antibody systems. Jacobsen C, et al. **Immunology** 1984 Mar;51(3):423-30

Inhibition of autologous mixed lymphocyte reaction by monoclonal antibodies specific for the beta chain of HLA-DR antigens. Kasahara M, et al. **Immunology** 1984 Sep;53(1):79-86

In-vivo modulation of thymus-derived lymphocytes with monoclonal antibodies in mice. I. Effect of anti-Thy-1 antibody on the tissue distribution of lymphocytes. Le Gros GS, et al. **Immunology** 1983 Dec;50(4):537-46

In vivo modulation of thymus-derived lymphocytes with monoclonal antibodies in mice. II. Separation of natural killer cells and cytotoxic T cells. Le Gros GS, et al. **Immunology** 1984 Jan;51(1):103-13

The role of rabbit Ia molecules in immune functions as determined with the use of an anti-Ia monoclonal antibody. Lobel SA, et al. **Immunology** 1984 Jan;51(1):35-43

Preparation and characterization of a monoclonal anti-T helper factor antibody. Malley A, et al. **Immunology** 1984 Apr;51(4):765-72

An anti-mouse macrophage monoclonal antibody reacting with T-derived leukaemic cells. Martin A, et al. **Immunology** 1984 Jul;52(3):539-46

The quantification of erythrocyte antigen sites with monoclonal antibodies. Merry AH, et al. **Immunology** 1984 Apr;51(4):793-800

Immunolocalization of complement component C9 on necrotic and non-necrotic muscle fibres in myositis using monoclonal antibodies: a primary role of complement in autoimmune cell damage. Morgan BP, et al. **Immunology** 1984 May;52(1):181-8

Serological analysis of idiotypic determinants on monoclonal antibodies specific to poly(Tyr,Glu)-poly(DLAla)—poly(Lys) and its ordered analogue (Tyr-Tyr-Glu-Glu)-poly(DLAla)—poly(Lys). Parhami-Seren B, et al. **Immunology** 1984 Feb;51(2):367-76

Monoclonal antibodies protect against respiratory syncytial virus infection in mice. Taylor G, et al. **Immunology** 1984 May;52(1):137-42

Characterization of monoclonal antibodies to heat-labile enterotoxin encoded by a plasmid from a clinical isolate of Escherichia coli. Belisle BW, et al. **Infect Immun** 1984 Mar;43(3):1027-32

Monoclonal antibodies reactive with all strains of Haemophilus ducreyi. Hansen EJ, et al. **Infect Immun** 1984 Apr;44(1):196-8

Monoclonal antibodies to immunodeterminants of lipoteichoic acids. Jackson DE, et al. **Infect Immun** 1984 Mar;43(3):800-3

Common and isolate-restricted antigens of Anaplasma marginale detected with monoclonal antibodies. McGuire TC, et al. **Infect Immun** 1984 Sep;45(3):697-700

Monoclonal antibody analysis of specific antigenic similarities among pathogenic Treponema pallidum subspecies. Marchitto KS, et al. **Infect Immun** 1984 Sep;45(3):660-6

Monoclonal antibodies specific for Escherichia coli J5 lipopolysaccharide: cross-reaction with other gram-negative bacterial species. Mutharia LM, et al. **Infect Immun** 1984 Sep;45(3):631-6

Surface localization of Pseudomonas aeruginosa outer membrane porin protein F by using monoclonal antibodies. Mutharia LM, et al. **Infect Immun** 1983 Dec;42(3):1027-33

Immunoenzymatic detection of three kinds of 43,000-molecular-weight antigens by monoclonal antibodies in the insoluble fraction of Toxoplasma gondii. Ogata K, et al. **Infect Immun** 1984 Mar;43(3):1047-53

Analysis of antigenicity of Clostridium botulinum type C1 and D toxins by polyclonal and monoclonal antibodies. Oguma K, et al. **Infect Immun** 1984 Feb;43(2):584-8

Production and characterization of monoclonal antibodies to tetanus toxin. Sheppard AJ, et al. **Infect Immun** 1984 Feb;43(2):710-4

Phosphorylcholine determinants in six pneumococcal capsular polysaccharides detected by monoclonal antibody. Sørensen UB, et al. **Infect Immun** 1984 Mar;43(3):876-8

Chlamydia trachomatis species-specific epitope detected on mouse biovar outer membrane protein. Stephens RS, et al. **Infect Immun** 1984 Sep;45(3):790-1

Inhibition of Neisseria gonorrhoeae attachment to HeLa cells with monoclonal antibody directed against a protein II. Sugasawara RJ, et al. **Infect Immun** 1983 Dec;42(3):980-5

Neutralization of tetanus toxin by distinct monoclonal antibodies binding to multiple epitopes on the toxin molecule. Volk WA, et al. **Infect Immun** 1984 Sep; 45(3):604-9

Protection from respiratory syncytial virus infection in cotton rats by passive transfer of monoclonal antibodies. Walsh EE, et al. **Infect Immun** 1984 Feb;43(2):756-8

Monoclonal hybridoma antibodies against human IgE and their use in a rapid and sensitive enzyme immunoassay for the semiquantitative assessment of total IgE levels in human blood. Chandler HM, et al. **Int Arch Allergy Appl Immunol** 1983;72(3):267-72

Development of monoclonal mouse antibodies specific for allergenic components in ryegrass (Lolium perenne) pollen. Smart IJ, et al. **Int Arch Allergy Appl Immunol** 1983; 72(3):243-8

Location of human T-cell leukemia virus (HTLV) p19 antigen on virus-producing cells. Aoki T, et al. **Int J Cancer** 1984 Feb 15;33(2):161-5

Monoclonal antibodies directed against rat tracheal epithelial cells transformed in vitro. Braslawsky GR, et al.

Int J Cancer 1984 Jan 15;33(1):131–8

Monoclonal antibodies identify a CEA crossreacting antigen of 95 kD (NCA–95) distinct in antigenicity and tissue distribution from the previously described NCA of 55 kD. Buchegger F, et al. **Int J Cancer** 1984 May 15;33(5):643–9

Monoclonal antibody against a cryptic carbohydrate antigen of murine and human lymphocytes. I. Antigen expression in non–cryptic or unsubstituted form on certain murine lymphomas, on a spontaneous murine mammary carcinoma, and on several human adenocarcinomas. Longenecker BM, et al. **Int J Cancer** 1984 Jan 15;33(1):123–9

Monoclonal antibody against an antigen selectively assembled into vesicular stomatitis virus virions from HeLa cells. Poláková K, et al. **Int J Cancer** 1984 Jul 15;34(1):91–4

Preparation and characterization of monoclonal antibodies against placental alkaline phosphatase and other human trophoblast–associated determinants. Travers P, et al. **Int J Cancer** 1984 May 15;33(5):633–41

Binding of five monoclonal anti–CEA antibodies with different epitope specificities to various carcinoma tissues. Wagener C, et al. **Int J Cancer** 1984 Apr 15;33(4):469–75

Tissue distribution of a coelomic–epithelium–related antigen recognized by the monoclonal antibody OC125. Kabawat SE, et al. **Int J Gynecol Pathol** 1983;2(3):275–85

Monoclonal antibodies to drugs—digoxin. Zalcberg JR, et al. **Int J Immunopharmacol** 1983;5(5):397–402

T cell subsets in the tonsil in relation to age analyzed with monoclonal antibodies (anti–leu antibodies) and fluorescence activated cell sorter (FACS). Sugiyama M, et al. **Int J Pediatr Otorhinolaryngol** 1983 Nov;6(2):195–204

Monoclonal antibodies to polioviruses. Comparison of intratypic strain differentiation of poliovirus type 1 using monoclonal antibodies versus cross–absorbed antisera. Osterhaus AD, et al. **Intervirology** 1983;20(2–3):129–36

Retinoblastoma: tissue culture lines and monoclonal antibody studies. Char DH, et al. **Invest Ophthalmol Vis Sci** 1984 Jan;25(1):30–40

Use of monoclonal antibodies to confirm vaccine–induced rabies in ten dogs, two cats, and one fox. Whetstone CA, et al. **J Am Vet Med Assoc** 1984 Aug 1;185(3):285–8

A monoclonal antibody recognizes an O–acylated sialic acid in a human melanoma–associated ganglioside. Cheresh DA, et al. **J Biol Chem** 1984 Jun 25;259(12):7453–9

Monoclonal anti–epidermal growth factor receptor antibodies which are inhibitors of epidermal growth factor binding and antagonists of epidermal growth factor binding and antagonists of epidermal growth factor–stimulated tyrosine protein kinase activity. Gill GN, et al. **J Biol Chem** 1984 Jun 25;259(12):7755–60

Monoclonal antibody to RNA polymerase I of the silkworm. Gowda S, et al. **J Biol Chem** 1983 Dec 10;258(23):14532–8

A monoclonal antibody to a membrane glycoprotein binds only to activated platelets. McEver RP, et al. **J Biol Chem** 1984 Aug 10;259(15):9799–804

Monoclonal antibodies against the human epidermal growth factor receptor from A431 cells. Isolation, characterization, and use in the purification of active epidermal growth factor receptor. Parker PJ, et al. **J Biol Chem** 1984 Aug 10;259(15):9906–12

Monoclonal antibodies to chick intestinal receptors for 1,25–dihydroxyvitamin D3. Interaction and effects of binding on receptor function. Pike JW. **J Biol Chem** 1984 Jan 25;259(2):1167–73

Characterization of a monoclonal antibody that reacts with activated/proliferating cells and subsets of leukemia cells. Dillman RO, et al. **J Biol Response Mod** 1984;3(1):26–38

Presence and absence of virus particles in hybridomas secreting monoclonal antibodies against gliomas. Stavrou D, et al. **J Cancer Res Clin Oncol** 1983;106(1):77–80

A monoclonal antibody recognizes an epitope common to an avian–specific nuclear antigen and to cytokeratins. Franklin RM, et al. **J Cell Biochem** 1984;24(1):1–14

4F2 monoclonal antibody recognizes a surface antigen on spread human fibroblasts of embryonic but not of adult origin. Azzarone B, et al. **J Cell Biol** 1984 Mar;98(3):1133–7

Monoclonal antibodies against chicken type IV and V collagens: electron microscopic mapping of the epitopes after rotary shadowing. Mayne R, et al. **J Cell Biol** 1984 May;98(5):1637–44

Monoclonal antibodies prepared against Dictyostelium actin: characterization and interactions with actin. Simpson PA, et al. **J Cell Biol** 1984 Jul;99(1 Pt 1):287–95

An intermediate filament–associated protein, p50, recognized by monoclonal antibodies. Wang E, et al. **J Cell Biol** 1983 Nov;97(5 Pt 1):1507–14

A rat monoclonal antibody reacting specifically with the tyrosylated form of alpha–tubulin. II. Effects on cell movement, organization of microtubules, and intermediate filaments, and arrangement of Golgi elements. Wehland J, et al. **J Cell Biol** 1983 Nov;97(5 Pt 1):1476–90

A rat monoclonal antibody reacting specifically with the tyrosylated form of alpha–tubulin. I. Biochemical characterization, effects on microtubule polymerization in vitro, and microtubule polymerization and organization in vivo. Wehland J, et al. **J Cell Biol** 1983 Nov;97(5 Pt 1):1467–75

Utilization of monoclonal antibodies and immuno–scanning electron microscopy for the positive identification of human leukemic cells. Gamliel H, et al. **J Clin Immunol** 1983 Oct;3(4):399–407

Functional heterogeneities among concanavalin A–activated OKT4+ and OKT8+ cells by using autologous erythrocyte rosette technique. Takada S, et al. **J Clin Invest** 1983 Dec;72(6):2060–71

Characterization of human effector and suppressor T cells by their activity in mixed lymphocyte reaction and by monoclonal antibody phenotyping. Talpaz M, et al. **J Clin Lab Immunol** 1983 Dec;12(4):217–20

Use of the biotin–avidin system to study the specificity of antibodies against respiratory syncytial virus. Anderson LJ, et al. **J Clin Microbiol** 1984 Jun;19(6):934–6

Enzyme–linked immunosorbent assays based on polyclonal and monoclonal antibodies for rotavirus detection. Beards GM, et al. **J Clin Microbiol** 1984 Feb;19(2):248–54

Monoclonal antibodies specific for O–antigenic polysaccharides of Shigella flexneri: clones binding to II, II:3,4, and 7,8 epitopes. Carlin NI, et al. **J Clin Microbiol** 1983 Nov;18(5):1183–9

Monoclonal antibody capture enzyme–linked immunosorbent assay for detection of bovine enteric coronavirus. Crouch CF, et al. **J Clin Microbiol** 1984 Mar;19(3):388–93

Monoclonal antibodies against group– and type–specific lipopolysaccharide antigens of Vibrio cholerae O:1. Gustafsson B, et al. **J Clin Microbiol** 1983 Sep;18(3):480–5

Production and characterization of monoclonal antibodies specific for a glycosylated polypeptide of human cytomegalovirus. Kim KS, et al. **J Clin Microbiol** 1983 Aug;18(2):331–43

Analysis of Campylobacter jejuni antigens with monoclonal antibodies. Kosunen TU, et al. **J Clin Microbiol** 1984 Feb;19(2):129–33

Monoclonal antibodies against hepatitis A virus. MacGregor A, et al. **J Clin Microbiol** 1983 Nov;18(5):1237–43

Monoclonal antibody enzyme–linked immunosorbent assay for identification of K99–positive Escherichia coli isolates from calves. Mills KW, et al. **J Clin Microbiol** 1984 Apr;19(4):498–501

Rapid detection of group B streptococcal antigen by monoclonal antibody sandwich enzyme assay. Morrow DL, et al. **J Clin Microbiol** 1984 Apr;19(4):457–9

Enzyme–linked immunosorbent assay with a monoclonal antibody for detecting group A meningococcal antigens in cerebrospinal fluid. Sugasawara RJ, et al. **J Clin Microbiol** 1984 Feb;19(2):230–4

Relative frequency of rotavirus subgroups 1 and 2 in Venezuelan children with gastroenteritis as assayed with monoclonal antibodies. White L, et al. **J Clin Microbiol** 1984 Apr;19(4):516–20

Evaluation of the Ca 1 antibody in the diagnosis of invasive breast cancer. Clough DG, et al. **J Clin Pathol** 1984 Jan;37(1):10–3

Use of NK1 C3 monoclonal antibody in the assessment of benign and malignant melanocytic lesions. Mackie RM, et al. **J Clin Pathol** 1984 Apr;37(4):367–72

Monoclonal antibody to cytokeratin for use in routine histopathology. Makin CA, et al. **J Clin Pathol** 1984 Sep;37(9):975–83

Peripheral blood of patients with cutaneous T–cell lymphoma: studies using monoclonal antibodies. Berger CL, et al. **J Cutan Pathol** 1983 Dec;10(6):467–78 (65 ref.)

The use of monoclonal antibodies in the in situ identification of T–cell subpopulations in cutaneous T–cell lymphoma. Chu AC. **J Cutan Pathol** 1983 Dec;10(6):479–98 (44 ref.)

Anti–keratin monoclonal antibodies: production, specificities and applications. Hashimoto K, et al. **J Cutan Pathol** 1983 Dec;10(6):529–39

Investigation of human T–cell biology with monoclonal antibodies. Kung PC. **J Cutan Pathol** 1983 Dec;10(6):457–66 (53 ref.)

The impact of monoclonal antibodies on the study of human malignant melanoma. Natali PG, et al. **J Cutan Pathol** 1983 Dec;10(6):514–28 (79 ref.)

Immunochemical characterization with monoclonal antibodies of three major caseins and alpha–lactalbumin from rat milk. Kaetzel CS, et al. **J Dairy Sci** 1984 Jan;67(1):64–75

Multiple functional sites on a single Ia molecule defined using T cell clones and antibodies with chain–determined specificity. Frelinger JG, et al. **J Exp Med** 1984 Mar 1;159(3):704–15

The antigen–specific, major histocompatibility complex–restricted receptor on T cells. VI. An antibody to a receptor allotype. Haskins K, et al. **J Exp Med** 1984 Aug 1;160(2):452–71

Fibronectin enhances the opsonic and protective activity of monoclonal and polyclonal antibody against group B streptococci. Hill HR, et al. **J Exp Med** 1984 Jun 1;159(6):1618–28

Identification of the membrane receptor for the complement fragment C3d by means of a monoclonal antibody. Iida K, et al. **J Exp Med** 1983 Oct 1;158(4):1021–33

HNK–1 antibody detects an antigen expressed on neuroectodermal cells. Lipinski M, et al. **J Exp Med** 1983 Nov 1;158(5):1775–80

Non–dinitrophenyl–binding immunoglobulin that bears a dominant idiotype (Id460) associated with antidinitrophenyl antibody is specific for an antigen on Pasteurella pneumotropica. Marion TN, et al. **J Exp Med** 1984 Jan 1;159(1):221–33

The major histocompatibility complex–restricted antigen receptor on T cells. IV. An antiidiotypic antibody predicts both antigen and I–specificity. Marrack P, et al. **J Exp Med** 1983 Nov 1;158(5):1635–46

Monoclonal antibodies against human T cell leukemia–lymphoma virus (HTLV) p24 internal core protein. Use as diagnostic probes and cellular localization of HTLV. Palker TJ, et al. **J Exp Med** 1984 Apr 1;159(4):1117–31

Activation specificity of arsonate–reactive T cell clones. Structural requirements for hapten recognition and comparison with monoclonal antibodies. Rao A, et al. **J Exp Med** 1984 Feb 1;159(2):479–94

Serologic cross–reactivity between Class I MHC molecules and an H–2–linked differentiation antigen as detected by monoclonal antibodies. Sharrow SO, et al. **J Exp Med** 1984 Jan 1;159(1):21–40

Activation of B lymphocytes by monovalent anti–Lyb–2 antibodies. Subbarao B, et al. **J Exp Med** 1984 Jun 1;159(6):1796–801

Monoclonal antibody against mouse sperm blocks a specific event in the fertilization process. Saling PM, et al. **J Exp Zool** 1983 Sep;227(3):481–6

Immunological properties of monoclonal antibodies specific for meningococcal polysaccharides: the protective capacity of IgM antibodies specific for polysaccharide group B. Moreno C, et al. **J Gen Microbiol** 1983 Aug;129 (Pt 8):2451–6

Antigenic cross–reactivity of Neisseria pili: investigations with type– and species–specific monoclonal antibodies. Virji M, et al. **J Gen Microbiol** 1983 Sep;129 (Pt 9):2761–8

Monoclonal antibodies to gonococcal pili: studies on antigenic determinants on pili from variants of strain P9. Virji M, et al. **J Gen Microbiol** 1983 Jun;129 (Pt 6):1965–73

Monoclonal antibodies to hepatitis Be antigen (HBeAg) derived from hepatitis B core antigen (HBcAg): their use in characterization and detection of HBeAg. Ferns RB, et al. **J Gen Virol** 1984 May;65 (Pt 5):899–908

Production of monoclonal antibodies to viruses in the potyvirus group: use in radioimmunoassay. Hill EK, et al. **J Gen Virol** 1984 Mar;65 (Pt 3):525–32

Biological activity of a monoclonal antibody to a measles virus haemagglutinin epitope detected late in infection. Kramer SM, et al. **J Gen Virol** 1984 Mar;65 (Pt 3):577–83

Monoclonal antibodies to the major capsid protein of human papillomavirus type 1. Roseto A, et al. **J Gen Virol** 1984 Aug;65 (Pt 8):1319–24

Newcastle disease virus: the effect of monoclonal antibody in the overlay on virus penetration and the immunoselection of variants. Russell PH. **J Gen Virol** 1984 Apr;65 (Pt 4):795–8

Monoclonal antibodies reactive with different sites of N and H antigenic particles of poliovirus. Taniguchi K, et al. **J Gen Virol** 1983 Dec;64 (Pt 12):2803–8

The reaction of the anti–interferon–alpha monoclonal antibody, NK2, with different interferons. Whittall JT, et al. **J Gen Virol** 1984 Mar;65 (Pt 3):629–33

Antigenic subsets of human breast epithelial cells distinguished by monoclonal antibodies. Edwards PA, et al. **J Histochem Cytochem** 1984 May;32(5):531–7

Species–specific second antibodies reduce spurious staining in immunocytochemistry. Houser CR, et al. **J Histochem Cytochem** 1984 Apr;32(4):395–402

Monoclonal antibodies against amyloid fibril protein AA. Production, specificity, and use for immunohistochemical localization and classification of AA–type amyloidosis. Linke RP. **J Histochem Cytochem** 1984 Mar;32(3):322–8

Immunocytochemistry with monoclonal anti–immunoglobulin as a developing reagent: application to immunoperoxidase staining and radioimmunocytochemistry. MacMillan FM, et al. **J Histochem Cytochem** 1984 Jan;32(1):76–82

An interesting monoclonal anti–N produced following immunization with human group O, NN erythrocytes. Fletcher A, et al. **J Immunogenet** 1984 Apr;11(2):121–6

Murine monoclonal antibodies against Gerbich antigens. Rouger P, et al. **J Immunogenet** 1983 Aug;10(4):333–5

The antibody specific to type 1 chain blood group A determinant. Abe K, et al. **J Immunol** 1984 Apr;132(4):1951–4

A monoclonal antibody with reactivity restricted to normal and neoplastic plasma cells. Anderson KC, et al. **J Immunol** 1984 Jun;132(6):3172–9

A novel human leukocyte differentiation antigen: monoclonal antibody anti–D44 defines a 28 Kd molecule present on immature hematologic cells and a subpopulation of mature T cells. Bernard A, et al. **J Immunol** 1984 May;132(5):2338–44

Stage–specific and common antigens of Brugia malayi identified with monoclonal antibodies. Canlas MM, et al. **J Immunol** 1984 Jun;132(6):3138–41

Antigenic analysis of hematopoiesis. III. A hematopoietic progenitor cell surface antigen defined by a monoclonal antibody raised against KG–1a cells. Civin CI, et al. **J Immunol** 1984 Jul;133(1):157–65

Sex steroid receptors in peripheral T cells: absence of androgen receptors and restriction of estrogen receptors to OKT8–positive cells. Cohen JH, et al. **J Immunol** 1983 Dec;131(6):2767–71

Selective killing of target cells by antibody–ricin A chain or antibody–gelonin hybrid molecules: comparison of cytotoxic potency and use in immunoselection procedures. Colombatti M, et al. **J Immunol** 1983 Dec;131(6):3091–5

Six antigenic determinants in the surface layer of the archaebacterium Methanococcus vannielii revealed by monoclonal antibodies. Conway de Macario E, et al. **J Immunol** 1984 Feb;132(2):883–7

Monoclonal antibodies against T cell differentiation antigens initiate stimulation of monocyte/macrophage oxidative metabolism. Descamps-Latscha B, et al. J Immunol 1983 Nov;131(5):2500–7

Shared idiotope on monoclonal anti-Ia.7 antibodies reactive with determinants in a structural domain of the I-E molecules. Devaux C, et al. J Immunol 1984 Mar; 132(3):1353–60

Characterization of the murine T cell surface molecule, designated L3T4, identified by monoclonal antibody GK1.5: similarity of L3T4 to the human Leu-3/T4 molecule. Dialynas DP, et al. J Immunol 1983 Nov; 131(5):2445–51

Localized conformational changes induced in a class I major histocompatibility antigen by the binding of monoclonal antibodies. Diamond AG, et al. J Immunol 1984 Mar; 132(3):1169–75

The interaction of monoclonal antibodies with MHC class I antigens on mouse spleen cells. I. Analysis of the mechanism of binding. Dower SK, et al. J Immunol 1984 Feb;132(2):751–8

A new lymphocyte surface antigen defined by a monoclonal antibody (9F3) to the T cell population expanding in MRL/Mp-lpr/lpr mice. Dumont FJ, et al. J Immunol 1984 Aug;133(2):809–15

Dissociation of autologous and allogeneic mixed lymphocyte reactivity by using a monoclonal antibody specific for human T helper cells. Ellis TM, et al. J Immunol 1983 Nov;131(5):2323–7

Analysis of structural properties and cellular distribution of avian Ia antigen by using monoclonal antibody to monomorphic determinants. Ewert DL, et al. J Immunol 1984 May;132(5):2524–30

In vitro interaction with antigen suppresses the differentiation of chronic lymphocytic leukemia cells secreting monoclonal anti-sheep red blood cell antibody. Fiorilli M, et al. J Immunol 1983 Oct;131(4):2046–9

Ta1, a novel 105 KD human T cell activation antigen defined by a monoclonal antibody. Fox DA, et al. J Immunol 1984 Sep;133(3):1250–6

Cell cycle analysis of a cell proliferation-associated human nuclear antigen defined by the monoclonal antibody Ki-67. Gerdes J, et al. J Immunol 1984 Oct;133(4):1710–5

Feline leukemia virus envelope gp70 of subgroups B and C defined by monoclonal antibodies with cytotoxic and neutralizing functions. Grant CK, et al. J Immunol 1983 Dec;131(6):3042–8

Characterization of monoclonal antibody 155.8 and partial characterization of its proteoglycan antigen on human melanoma cells. Harper JR, et al. J Immunol 1984 Apr; 132(4):2096–104

Monoclonal antibody defines human cell surface protein p80 on intrathymic T cells [letter] Haynes BF, et al. J Immunol 1984 May;132(5):2678

Monoclonal anti-mouse macrophage antibodies recognize the globular portions of C1q, a subcomponent of the first component of complement. Heinz HP, et al. J Immunol 1984 Jul;133(1):400–4

Activation of the first component of complement, C1, by a monoclonal antibody recognizing the C chain of C1q. Heinz HP, et al. J Immunol 1984 Feb;132(2):804–8

Immunologic characterization and molecular profile of carcinoembryonic antigen detected by monoclonal antibodies. Imai K, et al. J Immunol 1984 Jun;132(6):2992–7

Delineation of suppressor and helper activity within the OKT4-defined T lymphocyte subset in human newborns. Jacoby DR, et al. J Immunol 1983 Oct;131(4):1765–70

Monoclonal antibodies specific for Leishmania tropica. I. Characterization of antigens associated with stage- and species-specific determinants. Jaffe CL, et al. J Immunol 1983 Oct;131(4):1987–93

Monoclonal antibodies specific for Ia glycoproteins raised by immunization with activated T cells: possible role of T cellbound Ia antigens as targets of immunoregulatory T cells. Janeway CA Jr, et al. J Immunol 1984 Feb; 132(2):662–7

Monoclonal antibodies reactive with swine lymphocytes. I. Antibodies to membrane structures that define the cytolytic T lymphocyte subset in the swine. Jonjić S, et al. J Immunol 1984 Aug;133(2):647–52

Identification of stage-specific sporozoite antigens of Toxoplasma gondii by monoclonal antibodies. Kasper LH, et al. J Immunol 1984 Jan;132(1):443–9

Monoclonal anti-human monocyte antibodies OKM1 and OKM5 possess distinctive tissue distributions including differential reactivity with vascular endothelium. Knowles DM 2d, et al. J Immunol 1984 May;132(5):2170–3

A DC-specific cytolytic T lymphocyte line is OKT8+1. Krensky AM, et al. J Immunol 1983 Dec;131(6):2777–80

Monoclonal antibodies to carcinoembryonic antigen: a systematic analysis of antibody specificities by using related normal antigens and evidence for allotypic determinants on carcinoembryonic antigen. Kuroki M, et al. J Immunol 1984 Oct;133(4):2090–7

Subpopulations of human natural killer cells defined by expression of the Leu-7 (HNK-1) and Leu-11 (NK-15) antigens. Lanier LL, et al. J Immunol 1983 Oct; 131(4):1789–96

Lymphocyte activation antigens. I. A monoclonal antibody, anti-Act I, defines a new late lymphocyte activation antigen. Lazarovits AI, et al. J Immunol 1984 Oct; 133(4):1857–62

Natural and recombinant Escherichia coli-derived interferon-gamma differ in their reactivity with monoclonal antibody. Le J, et al. J Immunol 1984 Mar; 132(3):1300–4

Two-dimensional gel analysis of a second family of class II molecules by polymorphic HLA-DR4,5, and w9 monoclonal antibodies. Maeda H, et al. J Immunol 1984 May;132(5):2478–84

Rat T lymphocyte antigens comparable with mouse Lyt-1 and Lyt-2,3 antigenic systems: characterization by monoclonal antibodies. Matsuura A, et al. J Immunol 1984 Jan;132(1):316–22

The use of monoclonal antibodies as probes of the three-dimensional structure of human complement factor D. Niemann MA, et al. J Immunol 1984 Feb;132(2):809–15

Cell receptors for the mammalian reovirus. I. Syngeneic monoclonal anti-idiotypic antibody identifies a cell surface receptor for reovirus. Noseworthy JH, et al. J Immunol 1983 Nov;131(5):2533–8

The murine IL 2 receptor. I. Monoclonal antibodies that define distinct functional epitopes on activated T cells and react with activated B cells. Ortega G, et al. J Immunol 1984 Oct;133(4):1970–5

The reactions of monoclonal antibodies with structural proteins of mumps virus. Orvell C. J Immunol 1984 May; 132(5):2622–9

Photobleaching recovery studies of T-independent antigen mobility on antibody-bearing liposomes. Peacock JS, et al. J Immunol 1983 Dec;131(6):2924–9

The Fc receptor for IgG on human natural killer cells: phenotypic, functional, and comparative studies with monoclonal antibodies. Perussia B, et al. J Immunol 1984 Jul;133(1):180–9

Antibody 3G8, specific for the human neutrophil Fc receptor, reacts with natural killer cells. Perussia B, et al. J Immunol 1984 Mar;132(3):1410–5

Altered cell surface antigen expression in bladder carcinoma detected by a new hemagglutinating monoclonal antibody. Rearden A, et al. J Immunol 1983 Dec;131(6):3073–7

Use of monoclonal antibodies against factor H to investigate the role of a membrane-associated protein antigenically related to H in C3b-receptor function. Schulz TF, et al. J Immunol 1984 Jan;132(1):392–8

Monoclonal antibody SN2 defining a human T cell leukemia-associated cell surface glycoprotein. Seon BK, et al. J Immunol 1984 Apr;132(4):2089–95

Two Ia.17-specific monoclonal antibodies detect the same epitope but do not share idiotype. Sher MR, et al. J Immunol 1984 Jul;133(1):338–44

Human granulocyte surface molecules identified by murine monoclonal antibodies. Skubitz KM, et al. J Immunol 1983 Oct;131(4):1882–8

VL-VH expression by monoclonal antibodies recognizing avian lysozyme. Smith-Gill SJ, et al. J Immunol 1984 Feb; 132(2):963–7

IgG antibodies to secretory component in normal human serum. Splawski JB, et al. J Immunol 1984 Oct; 133(4):2111–5

Allotypic specificities of murine IgD and IgM recognized by monoclonal antibodies. Stall AM, et al. J Immunol 1984 Feb;132(2):787–95

A novel differentiation antigen on proliferating murine thymocytes identified by a rat monoclonal antibody. Takei F. J Immunol 1984 Feb;132(2):766–71

Characterization with monoclonal antibodies of T lymphocytes bearing Fc receptors for IgE (T epsilon cells) and IgG (T gamma cells) in atopic patients. Thompson LF, et al. J Immunol 1983 Dec;131(6):2772–6

Immunologic memory to phosphocholine. V. Hybridomas representative of group II antibodies utilize V kappa 1-3 gene(s). Todd I, et al. J Immunol 1984 Mar;132(3):1556–60

Regulation of immune responses by I-J gene products. V. Heterogeneity of I-J gene products as detected by anti-I-J monoclonal antibodies. Waltenbaugh C, et al. J Immunol 1984 Oct;133(4):1730–4

Characterization of mouse and human monoclonal antibodies cross-reactive with SLE serum antibodies to guanosine. Weisbart RH, et al. J Immunol 1984 Jun;132(6):2909–12

Anti-idiotype antibodies to the 9.1C3 blocking antibody used to probe the lethal hit stage of NK cell-mediated cytolysis. Werkmeister JA, et al. J Immunol 1984 Sep;133(3):1385–90

Evidence implicating L3T4 in class II MHC antigen reactivity; monoclonal antibody GK1.5 (anti-L3T4a) blocks class II MHC antigen-specific proliferation, release of lymphokines, and binding by cloned murine helper T lymphocyte lines. Wilde DB, et al. J Immunol 1983 Nov; 131(5):2178–83

Separation and isolation of rat natural killer (NK) cells from T cells with monoclonal antibodies. Woda BA, et al. J Immunol 1984 May;132(5):2183–4

Immunohistochemical distribution of the antigenic determinants detected by monoclonal antibodies to carcinoembryonic antigen. Yachi A, et al. J Immunol 1984 Jun;132(6):2998–3004

High degree of idiotypic cross-reactivity among murine monoclonal antibodies to thyroglobulin. Zanetti M, et al. J Immunol 1983 Nov;131(5):2452–7

A monoclonal antibody detecting a 39,000 m.w. molecule that is present on B lymphocytes and chronic lymphocytic leukemia cells but is rare on acute lymphocytic leukemia blasts. Zipf TF, et al. J Immunol 1983 Dec;131(6):3064–72

The antigen of mature human B cells detected by the monoclonal antibody FMC7: studies on the nature of the antigen and modulation of its expression. Zola H, et al. J Immunol 1984 Jul;133(1):321–6

A 'dot-immunobinding assay' on nitrocellulose membrane for the determination of the immunoglobulin class of mouse monoclonal antibodies. Beyer CF. J Immunol Methods 1984 Feb 24;67(1):79–87

The influence of common variables on T cell subset analysis by monoclonal antibodies. Bongers V, et al. J Immunol Methods 1984 Mar 16;67(2):243–53

Production and characterization of monoclonal antibodies to guinea pig lymphoid differentiation antigens. Chiba J, et al. J Immunol Methods 1983 Oct 14;63(2):247–61

Simultaneous enzyme-immunocytochemical detection of antigens in monocellular specimens with monoclonal antibodies. Feller AC, et al. J Immunol Methods 1983 Oct 14;63(2):273–9

Affinity purification of a glucose-containing oligosaccharide using a monoclonal antibody. Lundblad A, et al. J Immunol Methods 1984 Mar 30;68(1-2):227–34

Immunoaffinity purification of human complement component C9 using monoclonal antibodies. Morgan BP, et al. J Immunol Methods 1983 Nov 25;64(3):269–81

Extraction of circulating gastrointestinal cancer antigen using solid-phase immunoadsorption system of monoclonal antibody-coupled membrane. Pak KY, et al. J Immunol Methods 1984 Jan 20;66(1):51–8

A monoclonal antibody directed against an organ-specific liver cell membrane antigen in rabbits. Poralla T, et al. J Immunol Methods 1984 Mar 30;68(1-2):341–8

An antibody chimera technique applied to enzyme immunoassay for human alpha-1-fetoprotein with monoclonal and polyclonal antibodies. Porstmann B, et al. J Immunol Methods 1984 Jan 20;66(1):179–85

Characterization by Scatchard plots of monoclonal antibody enzyme conjugates directed against alpha-1-foetoprotein. Porstmann T, et al. J Immunol Methods 1984 Feb 10; 66(2):277–84

The use of alkaline-phosphatase-conjugated second antibody for the visualization of electrophoretically separated proteins recognized by monoclonal antibodies. Turner BM. J Immunol Methods 1983 Sep 30;63(1):1–6

Use of biotin-labeled monoclonal antibodies and avidin-peroxidase conjugates for the determination of epitope specificities in a solid-phase competitive enzyme immunoassay. Wagener C, et al. J Immunol Methods 1984 Mar 30;68(1-2):269–74

Human antibody response to Schistosoma mansoni surface antigens defined by protective monoclonal antibodies. Dissous C, et al. J Infect Dis 1984 Feb;149(2):227–33

Absolute requirement for complement in monoclonal IgM antibody-mediated protection against experimental infection with type III group B streptococci. Shigeoka AO, et al. J Infect Dis 1984 Jul;150(1):63–70

Monoclonal antibodies to various morphologic components of human skin. Aiba S, et al. J Invest Dermatol 1983 Dec; 81(6):498–502

Monoclonal antibodies to anchoring fibrils for the diagnosis of epidermolysis bullosa. Goldsmith LA, et al. J Invest Dermatol 1983 Nov;81(5):464–6

Langerhans cells react with pan-leukocyte monoclonal antibody: ultrastructural documentation using a live cell suspension immunoperoxidase technique. Wood GS, et al. J Invest Dermatol 1984 Apr;82(4):322–5

A human natural killer cell-associated antigen defined by monoclonal antibody anti-Leu (NKP-15): functional and two-color flow cytometry analysis. Lanier LL, et al. J Leukocyte Biol 1984 Jan;35(1):11–7

Monoclonal antibody to human granulocytes: cellular specificity and functional studies. Martin LS, et al. J Leukocyte Biol 1984 Mar;35(3):265–79

Cooperation of IgG monoclonal antibodies in macrophage antibody-dependent cellular cytotoxicity (ADCC) to tumor targets. Ralph P, et al. J Leukocyte Biol 1984 Jan; 35(1):131–9

Monoclonal antibodies directed against human Ia antigens detect an evolutionary conserved epitope on guinea pig Ia antigens with unique functional properties. Zweig SE, et al. J Leukocyte Biol 1984 Jan;35(1):101–13

Differential reactivity of human low density lipoproteins with monoclonal antibodies. Tikkanen MJ, et al. J Lipid Res 1983 Nov;24(11):1494–9

Monoclonal antibodies to hepatitis A virus. Dawson GJ, et al. J Med Virol 1984;14(1):1–8

Monoclonal antibodies to herpes simplex virus type 1 glycoproteins show that epitope location influences virus neutralization. La Thangue NB, et al. J Med Virol 1984; 13(3):227–42

Use of monoclonal antibodies in immuno-electron microscopy for the determination of subunit stoichiometry in oligomeric enzymes. There are three alpha-subunits in the F1-ATPase of Escherichia coli. Lünsdorf H, et al. J Mol Biol 1984 Feb 15;173(1):131–6

Mouse monoclonal antibodies reacting with human brain glial fibrillary acidic protein. Albrechtsen M, et al. J Neurochem 1984 Jan;42(1):86–93

Monoclonal antibodies to gel-excised glial filament protein and their reactivities with other intermediate filament proteins. Lee VM, et al. J Neurochem 1984 Jan;42(1):25–32

Antigenic determinant recognized by a monoclonal antibody to human myelin basic protein. Carnegie PR, et al. J Neuroimmunol 1983 Oct;5(2):125–34

Solid phase radioimmunoassay for human myelin basic protein using a monoclonal antibody. Dowse CA, et al. **J Neuroimmunol** 1983 Oct;5(2):135–44

A two-label microfluorometric analysis of the expression of OKT5 and Leu 2a antigens on peripheral blood lymphocytes in patients with multiple sclerosis. Kastrukoff LF, et al. **J Neuroimmunol** 1984 Apr;6(2):85–92

High affinity monoclonal antibodies to luteinizing hormone-releasing hormone. Preparation and binding studies. Knapp RJ, et al. **J Neuroimmunol** 1984 Aug; 6(5):361–71

Surface markers on lymphocytes from human cerebrospinal fluid. Identification by monoclonal antibodies. Marrosu MG, et al. **J Neuroimmunol** 1983 Dec;5(3):325–31

Disease activity markers in multiple sclerosis. Another look at suppressor cells defined by monoclonal antibodies OKT4, OKT5, and OKT8. Rice GP, et al. **J Neuroimmunol** 1984 Apr;6(2):75–84

Human monoclonal antibodies to myelin-associated glycoprotein. Comparison of specificity and use for immunocytochemical localisation of the antigen. Steck AJ, et al. **J Neuroimmunol** 1983 Oct;5(2):145–56

Monoclonal antibodies recognising cell surface molecules expressed by rat cerebellar interneurons. Webb M, et al. **J Neuroimmunol** 1984 Jul;6(4):283–300

Mononuclear lymphoid populations infiltrating the microenvironment of primary CNS tumors. Characterization of cell subsets with monoclonal antibodies. von Hanwehr RI, et al. **J Neurosurg** 1984 Jun; 60(6):1138–47

Adenolymphoma: an immunohistochemical study with monoclonal antibodies against lymphocyte antigens. Caselitz J, et al. **J Oral Pathol** 1984 Aug;13(4):438–47

Effects of monoclonal IgG antibodies on Eimeria tenella (coccidia) sporozoites. Speer CA, et al. **J Parasitol** 1983 Aug;69(4):775–7

The use of monoclonal antibodies for the diagnosis of intracranial malignancies and the small round cell tumours of childhood. Kemshead JT, et al. **J Pathol** 1983 Nov; 141(3):249–57

The reactivity of Reed-Sternberg cells with monoclonal antisera at thin section and ultrastructural levels. Stuart AE, et al. **J Pathol** 1983 Sep;141(1):71–82

Monoclonal antibodies to Toxoplasma cell membrane surface antigens protect mice from toxoplasmosis. Johnson AM, et al. **J Protozool** 1983 May;30(2):351–6

A monoclonal antibody to an antigen present on the microvillous membrane of the trophectoderm of the preimplantation blastocyst of the pig. Whyte A, et al. **J Reprod Fertil** 1984 Jul;71(2):599–605

Monoclonal antibodies to porcine zona pellucida antigens and their inhibitory effects on fertilization. Isojima S, et al. **J Reprod Immunol** 1984 Feb;6(2):77–87

The reactivity of a monoclonal antibody against cells of the monocyte-macrophage series in sections of normal and inflamed human tissues. Seymour GJ, et al. **J Reticuloendothel Soc** 1983 Dec;34(6):463–73

Characterization of the inflammatory infiltrate in lupus erythematosus lesions using monoclonal antibodies. Synkowski DR, et al. **J Rheumatol** 1983 Dec;10(6):920–4

Recognition of two forms of the estrogen receptor in the guinea-pig uterus at different stages of development by a monoclonal antibody to the human estrogen receptor. Dynamics of the translocation of these two forms to the nucleus. Giambiagi N, et al. **J Steroid Biochem** 1984 Jan; 20(1):397–400

Monoclonal antibodies against human DNA polymerase-alpha do not cross-react with glucocorticoid receptors. Lan NC, et al. **J Steroid Biochem** 1984 Jan; 20(1):251–4

Immunohistochemical detection of carcinoembryonic antigen in benign hyperplasia and adenocarcinoma of the prostate with monoclonal antibody. Ghazizadeh M, et al. **J Urol** 1984 Mar;131(3):501–3

A human monoclonal antibody reactive with human prostate. Lowe DH, et al. **J Urol** 1984 Oct;132(4):780–5

Murine hybridoma antibodies against human transitional carcinoma-associated antigens. Messing EM, et al. **J Urol** 1984 Jul;132(1):167–72

Monoclonal antibodies that inhibit attachment of group B coxsackieviruses. Campbell BA, et al. **J Virol** 1983 Nov; 48(2):561–4

Identification with monoclonal antibodies of glycoproteins of Marek's disease virus and herpesvirus of turkeys related to virus neutralization. Ikuta K, et al. **J Virol** 1984 Mar; 49(3):1014–7

Monoclonal antibodies to newcastle disease virus: delineation of four epitopes on the HN glycoprotein. Iorio RM, et al. **J Virol** 1983 Nov;48(2):440–50

Uukuniemi virus maturation: immunofluorescence microscopy with monoclonal glycoprotein-specific antibodies. Kuismanen E, et al. **J Virol** 1984 Jul; 51(1):137–46

Monoclonal antibodies directed against different antigenic determinants of rotavirus. Lambert JP, et al. **J Virol** 1984 Jul;51(1):47–51

Protection against lethal viral infection by neutralizing and nonneutralizing monoclonal antibodies: distinct mechanisms of action in vivo. Lefrancois L. **J Virol** 1984 Jul;51(1):208–14

Intertypic cross-reactions of nonneutralizing, monoclonal poliovirus antibodies. Vrijsen R, et al. **J Virol** 1984 Mar; 49(3):1002–4

Production and characterization of monoclonal antibodies specific to sweet clover necrotic mosaic virus. Hiruki C, et al. **J Virol Methods** 1984 Jul;8(4):301–8

Monoclonal antibodies against human pancreatic adenocarcinoma: distribution of DU-PAN-2 antigen on glandular epithelia and adenocarcinomas. Borowitz MJ, et al. **JNCI** 1984 May;72(5):999–1005

Thy 1.2+ leukemia cells eradicated from in vitro leukemia-bone marrow cell mixtures by antibody-toxin conjugates. Colombatti M, et al. **JNCI** 1984 May; 72(5):1095–9

Modulation of cell surface antigens induced by 12-O-tetradecanoyl-phorbol 13-acetate in two myeloblastic cell lines, a promyelocytic cell line, and a monoblastic cell line: detection with five monoclonal antibodies. Sugimoto T, et al. **JNCI** 1984 Apr;72(4):923–8

B-cell malignancies and differentiation antigens defined with monoclonal antibodies. Kikuchi K, et al. **Jpn J Clin Oncol** 1983 Sep;13(3):517–31

Monoclonal antibody studies in B(non-T)-cell malignancies. Shimoyama M, et al. **Jpn J Clin Oncol** 1983 Sep; 13(3):477–88

Analysis by monoclonal antibodies of H3N2 subtype of influenza A viruses in Japan and South East Asia during 1980–1982. Yamazi Y, et al. **Kansenshogaku Zasshi** 1984 Feb;58(2):113–20

Monoclonal antibodies to human renal basement membranes: heterogenic and ontogenic changes. Michael AF, et al. **Kidney Int** 1983 Jul;24(1):74–86

Lymphocyte subsets in the peripheral blood of patients with multiple myeloma and benign monoclonal gammopathy. Herrmann F, et al. **Klin Wochenschr** 1983 Aug 15; 61(16):819–21

Heterogeneity of T-cell neoplasias as defined by monoclonal antibodies. Herrmann F, et al. **Klin Wochenschr** 1983 Aug 15;61(16):807–12

Monoclonal antibodies against the GP-2 subunit of laminin. Chung AE, et al. **Lab Invest** 1983 Nov;49(5):576–81

Monoclonal antibody localization of Lewis antigens in fixed tissue. Ernst C, et al. **Lab Invest** 1984 Apr;50(4):394–400

An immunocytochemical method for demonstrating estrogen receptor in human uterus using monoclonal antibodies to human estrophilin. Press MF, et al. **Lab Invest** 1984 Apr; 50(4):480–6

Monoclonal antibody to type IV collagen with selective basement membrane localization. Scheinman JI, et al. **Lab Invest** 1984 Jan;50(1):101–12

Radiolabelled antibody for localising metastases [letter] **Lancet** 1983 Dec 10;2(8363):1368–9

Ex-vivo treatment of donor bone marrow with anti-T-cell immunotoxins for prevention of graft-versus-host disease. Filipovich AH, et al. **Lancet** 1984 Mar 3;1(8375):469–72

Hirschsprung's disease studied with monoclonal antineurofilament antibodies on tissue sections. Klück P, et al. **Lancet** 1984 Mar 24;1(8378):652–4

Human complement in treatment of bone marrow cells with monoclonal antibody [letter] Mugishima H, et al. **Lancet** 1983 Nov 19;2(8360):1194–5

Rapid detection with monoclonal antibodies of Chlamydia trachomatis in urethral smears and urine sediments [letter] Ruijs G, et al. **Lancet** 1984 Apr 28;1(8383):960–1

Reversal of transplant rejection by monoclonal antiblast antibody. Takahashi H, et al. **Lancet** 1983 Nov 19; 2(8360):1155–8

Removal of neuroblastoma cells from bone marrow with monoclonal antibodies conjugated to magnetic microspheres. Treleaven JG, et al. **Lancet** 1984 Jan 14; 1(8368):70–3

Application of monoclonal antibodies towards immunological studies in leprosy. Ivanyi J. **Lepr Rev** 1984 Mar;55(1):1–9

A monoclonal antibody reactive with normal and leukemic human myeloid progenitor cells. Griffin JD, et al. **Leuk Res** 1984;8(4):521–34

A monoclonal antibody (SJ-9A4) to P24 present on common alls, neuroblastomas and platelets - I. Characterization and development of a unique radioimmunometric assay. Komada Y, et al. **Leuk Res** 1983;7(4):487–98

Candidate counterparts of Sézary cells and adult T-cell lymphoma-leukaemia cells in normal peripheral blood: an ultrastructural study with the immunogold method and monoclonal antibodies. Matutes E, et al. **Leuk Res** 1983; 7(6):787–801

A monoclonal antibody reactive with human hepatocytes. Holmes CH, et al. **Liver** 1983 Oct;3(5):295–302

Analysis with OKT monoclonal antibodies of T-lymphocyte subsets present in blood and liver of patients with chronic active hepatitis. Mariani E, et al. **Liver** 1984 Feb;4(1):22–8

Monoclonal antibodies point to carbohydrate structures as tumour-associated antigens. Feizi T. **Med Biol** 1983 Jun; 61(3):144–6

Automated blood grouping with Autogrouper 16C: inter-channel variations and the effect on detection of A2B with monoclonal anti-A. Hurd CM, et al. **Med Lab Sci** 1984 Jan;41(1):12–8

Characterization of monoclonal antibodies against etiological agents of Weil's disease. Kobayashi Y, et al. **Microbiol Immunol** 1984;28(3):359–70

Mouse alloantibodies capable of blocking cytotoxic T cell function. IV. Comparative analysis of the blocking effects of anti-Lyt-2 and anti-H-2 antibodies on allogeneic and PHA-mediated killing. Kojima M, et al. **Microbiol Immunol** 1983;27(12):1093–105

Human monoclonal antibodies. Cole SP, et al. **Mol Cell Biochem** 1984 Jun;62(2):109–20 (140 ref.)

Monoclonal antibodies specific for the M- and N-forms of human glycophorin A. Bigbee WL, et al. **Mol Immunol** 1983 Dec;20(12):1353–62

A common idiotope on human rheumatoid factors identified by a hybridoma antibody. Carson DA, et al. **Mol Immunol** 1983 Oct;20(10):1081–7

Symmetry of effector function in the immune system network. Cooper-Willis A, et al. **Mol Immunol** 1983 Aug; 20(8):865–70

Determinants of ryegrass pollen cytochrome c recognized by human IgE and murine monoclonal antibodies. Ekramoddoullah AK, et al. **Mol Immunol** 1984 May; 21(5):375–82

Monoclonal antibody against a cross-reactive idiotypic determinant found on human autoantibodies with anti-I and -i specificities. Evans SW, et al. **Mol Immunol** 1983 Oct;20(10):1127–31

Characterization of a monoclonal antibody defining a macrophage activation-specific cell surface antigen. Fox BA, et al. **Mol Immunol** 1984 Jul;21(7):681–4

Some monoclonal antibodies raised with a native protein bind preferentially to the denatured antigen. Friguet B, et al. **Mol Immunol** 1984 Jul;21(7):673–7

Monoclonal antibodies to rat liver cell membrane glycoproteins. Fukumoto T, et al. **Mol Immunol** 1984 Apr; 21(4):285–91

Properties of murine anti-morphine antibodies. Glasel JA, et al. **Mol Immunol** 1983 Dec;20(12):1419–22

Physicochemical studies on the antigen-antibody complexes of two monoclonal antibodies against rabbit thymocytes. Guillet JG, et al. **Mol Immunol** 1983 Oct;20(10):1059–68

Lack of cross-reactivity of a monoclonal antibody against the neurotransmitter site of Torpedo nicotinic acetylcholine receptor with muscle receptors from several sources. James RW, et al. **Mol Immunol** 1983 Dec;20(12):1363–8

Comparative study of pituitary and bacteria-derived human growth hormone by monoclonal antibodies. Jónsdóttir I, et al. **Mol Immunol** 1983 Aug;20(8):871–6

Monoclonal antibodies to hog thyroglobulin recognizing disulfide-dependent conformational structures. Kondo E, et al. **Mol Immunol** 1984 Jul;21(7):581–8

Idiotypic analysis of monoclonal anti-fluorescyl antibodies: localization and characterization of idiotypic determinants. Kranz DM, et al. **Mol Immunol** 1983 Dec;20(12):1301–12

Specificity of a monoclonal antibody for the NH2-terminal region of fibrin. Kudryk B, et al. **Mol Immunol** 1984 Jan; 21(1):89–94

A monoclonal antibody with ability to distinguish between NH2-terminal fragments derived from fibrinogen and fibrin. Kudryk B, et al. **Mol Immunol** 1983 Nov; 20(11):1191–200

Epitope diversity of monoclonal antibodies revealed by cross-species reactivity. López AF, et al. **Mol Immunol** 1984 May;21(5):371–4

One antigen may form two precipitin lines and two spurs when tested with two monoclonal antibodies by gel diffusion assays. Molinaro GA, et al. **Mol Immunol** 1984 Feb;21(2):181–4

Identification and isolation of a common tumor-associated molecule using monoclonal antibody. Pak KY, et al. **Mol Immunol** 1983 Dec;20(12):1369–77

Mouse monoclonal antibodies against rabbit b6 allotype and their use for characterization of light-chain subpopulations. Petit-Koskas E, et al. **Mol Immunol** 1983 Nov; 20(11):1209–14

Idiotypic studies of monoclonal anti-tobacco mosaic virus antibodies from one mouse. Slaoui M, et al. **Mol Immunol** 1983 Oct;20(10):1073–80

Interaction of carboxypeptidase A with monoclonal antibodies. Solomon B, et al. **Mol Immunol** 1984 Jan; 21(1):1–11

Monoclonal antibodies to thymosin alpha 1. Stähli C, et al. **Mol Immunol** 1983 Oct;20(10):1095–7

Antigenic sites of human growth hormone and related molecules detected by monoclonal antibodies to human growth hormone. Surowy TK, et al. **Mol Immunol** 1984 May;21(5):345–52

Hematopoietic subpopulations express cross-reactive, lineage-specific molecules detected by monoclonal antibody. Symington FW, et al. **Mol Immunol** 1984 Jun; 21(6):507–14

An antigenic map of the haemagglutinin of the influenza Hong Kong subtype (H3N2), constructed using mouse monoclonal antibodies. Underwood PA. **Mol Immunol** 1984 Jul;21(7):663–71

Cell surface glycoproteins of rabbit lymphocytes: characterization with monoclonal antibodies. Wilkinson JM, et al. **Mol Immunol** 1984 Jan;21(1):95–103

VEP 10 and VEP 13: two monoclonal antibodies raised against human large granular lymphocytes. Kraft D, et al. **Monogr Allergy** 1983;18:174–7

Rapid enumeration of S-phase cells by means of monoclonal antibodies [letter] Raza A, et al. **N Engl J Med** 1984 Apr 12;310(15):991

Deficient OKT4 epitope on helper T cells in patient with SLE: confusion with AIDS [letter] Stohl W. **N Engl J Med** 1984 Jun 7;310(23):1531

Culture-independent diagnosis of Chlamydia trachomatis

using monoclonal antibodies. Tam MR, et al. **N Engl J Med** 1984 May 3;310(18):1146–50

Diagnosis of human lymphoma with monoclonal antileukocyte antibodies. Warnke RA, et al. **N Engl J Med** 1983 Nov 24;309(21):1275–81

Monoclonal antibody that identifies subsets of neurones in the central visual system of monkey and cat. Hendry SH, et al. **Nature** 1984 Jan 19–25;307(5948):267–9

Recognition of myelin-associated glycoprotein by the monoclonal antibody HNK-1. McGarry RC, et al. **Nature** 1983 Nov 24–30;306(5941):376–8

Study of B and T lymphocyte surface markers in breast cancer patients using anti-B and anti-T cell monoclonal antibodies. Nowak JS, et al. **Neoplasma** 1984;31(3):281–9

Production and characterization of monoclonal antibodies against avian myeloblastosis virus. Poláková K, et al. **Neoplasma** 1983;30(6):625–35

Use of monoclonal antibodies against avian retroviral protein p19 for competitive radioimmunoassay and immunodiffusion. Poláková K, et al. **Neoplasma** 1983; 30(6):637–41

Peripheral neuropathy with IgM kappa monoclonal immunoglobulin directed against myelin-associated glycoprotein. Melmed C, et al. **Neurology (NY)** 1983 Nov; 33(11):1397–405

Analysis of antigenic drifts of H3N2 subtype of influenza type A viruses by monoclonal antibodies. Yamazi Y, et al. **Nippon Ika Daigaku Zasshi** 1983 Aug;50(4):625–9

Monoclonal antibody-defined peripheral blood T lymphocyte subpopulations in patients with mycosis fungoides. Fiorini G, et al. **Oncology** 1983;40(6):400–3

Fasciola hepatica: development of monoclonal antibodies and their use to characterize a glycocalyx antigen in migrating flukes. Hanna RE, et al. **Parasite Immunol** 1983 Jul; 5(4):409–25

A pomona serogroup-specific, agglutinating antigen in Leptospira, identified by monoclonal antibodies. Adler B, et al. **Pathology** 1983 Jul;15(3):247–50

A unique T-cell monoclonal antibody with potential uses in autologous bone marrow transplantation. Meyer BF, et al. **Pathology** 1983 Jul;15(3):315–20

Monoclonal antibodies against antigens of the human platelet surface: preparation and properties. Zola H, et al. **Pathology** 1984 Jan;16(1):73–8

Specificity and crossreactivity of immune serum and hybridoma antibodies to various species of avian coccidia. Danforth HD, et al. **Poult Sci** 1983 Nov;62(11):2145–51

Monoclonal antibodies as probes for unique antigens in secretory cells of mixed exocrine organs. Basbaum CB, et al. **Proc Natl Acad Sci USA** 1984 Jul;81(14):4419–23

UC 729–6, a human lymphoblastoid B-cell line useful for generating antibody-secreting human-human hybridomas. Glassy MC, et al. **Proc Natl Acad Sci USA** 1983 Oct; 80(20):6327–31

A monoclonal anti-DNA antibody also binds to cell-surface protein(s). Jacob L, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(12):3843–5

Characterization of human hybridomas secreting antibody to tetanus toxoid. Larrick JW, et al. **Proc Natl Acad Sci USA** 1983 Oct;80(20):6376–80

Stimulation of human granulocyte function by monoclonal antibody WEM-G1. López AF, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(6):1818–21

Cell surface antigens of human ovarian and endometrial carcinoma defined by mouse monoclonal antibodies. Mattes MJ, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(2):568–72

Characterization of monoclonal antibodies against mitochondrial F1-ATPase. Moradi-Ameli M, et al. **Proc Natl Acad Sci USA** 1983 Oct;80(20):6167–71

Shared idiotopes among monoclonal antibodies specific for A/PR/8/34 (H1N1) and X-31(H3N2) influenza viruses. Moran T, et al. **Proc Natl Acad Sci USA** 1984 Mar; 81(6):1809–12

Biological significance of carbohydrate chains on monoclonal antibodies. Nose M, et al. **Proc Natl Acad Sci USA** 1983 Nov;80(21):6632–6

Method to map antigenic determinants recognized by monoclonal antibodies: localization of a determinant of virus neutralization on the feline leukemia virus envelope protein gp70. Nunberg JH, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(12):3675–9

Monoclonal antibodies against the rat liver glucocorticoid receptor. Okret S, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(6):1609–13

Monoclonal antibodies specific for a murine cytotoxic T-lymphocyte clone. Staerz UD, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(6):1799–803

Monoclonal antibodies to native noncollagenous bone-specific proteins. Stenner DD, et al. **Proc Natl Acad Sci USA** 1984 May;81(9):2868–72

Anti-K562 monoclonal antibodies that recognize antigens on immature hematopoietic cells. Young NS, et al. **Prog Clin Biol Res** 1983;134:293–304

Immunisation against East Coast fever: correlation between monoclonal antibody profiles of Theileria parva stocks and cross immunity in vivo. Irvin AD, et al. **Res Vet Sci** 1983 Nov;35(3):341–6

Characterisation of stocks of Theileria parva by monoclonal antibody profiles. Minami T, et al. **Res Vet Sci** 1983 Nov; 35(3):334–40

Antigenic variation of poliovirus studied by means of monoclonal antibodies. Crainic R, et al. **Rev Infect Dis** 1984 May-Jun;6 Suppl 2:S535–9

Antigenic characterization of poliovirus type 3 using monoclonal antibodies. Ferguson M, et al. **Rev Infect Dis** 1984 May-Jun;6 Suppl 2:S510–3

PHM 14: a novel monoclonal antibody that reacts with both normal and neoplastic human B cells but not B-CLL. Barr IG, et al. **Scand J Haematol** 1984 Aug;33(2):187–96

A common epitope identified by a monoclonal antibody, MID 2, present on all leucocytes and associated with a group of high molecular weight glycopeptides. Banga JP, et al. **Scand J Immunol** 1984 Jan;19(1):11–21

Characterization by monoclonal antibodies of the cytotoxic effector cells in human peripheral blood mononuclear cells reactive against anchorage-dependent tumour cell lines. Chang ZL, et al. **Scand J Immunol** 1983 Nov;18(5):451–9

Hybridoma monoclonal antibodies to human fetal haemoglobin. Cucina A, et al. **Scand J Immunol** 1984 Apr; 19(4):307–13

An OKT4+ T-cell population with suppressor activity in Sézary syndrome. Farnarier-Seidel C, et al. **Scand J Immunol** 1983 Nov;18(5):389–98

Kinetic analysis of subset growth and B-cell activation in pokeweed mitogen-stimulated cultures of peripheral blood mononuclear cells depleted of or enriched for OKT8+ cells. Jones BM. **Scand J Immunol** 1983 Nov;18(5):399–406

Identification of an anti-human osteogenic sarcoma monoclonal-antibody-defined antigen on mitogen-stimulated peripheral blood mononuclear cells. Price MR, et al. **Scand J Immunol** 1983 Nov;18(5):411–20

Monoclonal antibodies to a synthetic fibrin-like peptide bind to human fibrin but not fibrinogen. Hui KY, et al. **Science** 1983 Dec 9;222(4628):1129–32

Specific endocrine tissue marker defined by a monoclonal antibody. Lloyd RV, et al. **Science** 1983 Nov 11; 222(4624):628–30

Monoclonal antibody to a human germ cell membrane glycoprotein that inhibits fertilization. Naz RK, et al. **Science** 1984 Jul 20;225(4659):342–4

Monoclonal antibodies reveal the structural basis of antibody diversity. Teillaud JL, et al. **Science** 1983 Nov 18; 222(4625):721–6 (53 ref.)

Removal of neoplastic cells from autologous bone marrow grafts with monoclonal antibodies. Jansen J, et al. **Semin Hematol** 1984 Jul;21(3):164–81 (170 ref.)

Monoclonal antibodies as diagnostic probes in the etiology of hepatitis. Ben-Porath E, et al. **Semin Liver Dis** 1984 Feb;4(1):76–88

Characterization of cell surface antigens of human mammary epithelial cells with monoclonal antibodies prepared against human milk fat globule. Ceriani RL, et al. **Somatic Cell Genet** 1983 Jul;9(4):415–27

Further studies on a hybrid cell-surface antigen associated with human chromosome 11 using a monoclonal antibody. Jones C, et al. **Somatic Cell Genet** 1983 Jul;9(4):489–96

Human lymphocyte function-associated antigens. Krensky AM, et al. **Surv Immunol Res** 1984;3(1):39–44

Measurement of crosslinked fibrin degradation products – an immunoassay using monoclonal antibodies. Elms MJ, et al. **Thromb Haemost** 1983 Aug 30;50(2):591–4

An immunoassay for human D dimer using monoclonal antibodies. Rylatt DB, et al. **Thromb Res** 1983 Sep 15; 31(6):767–78

Monoclonal anti thymic cell antibodies detecting epidermal cells. Yonish-Rouach E, et al. **Thymus** 1984;6(1–2):67–78

HLA monoclonal antibody registry: second listing. Colombani J, et al. **Tissue Antigens** 1983 Aug;22(2):97–106

T-cell subsets analyzed by monoclonal antibodies in patients with primary immunodeficiency diseases. Minegishi M, et al. **Tohoku J Exp Med** 1984 Mar;142(3):231–8

Zymodeme and species specificities of monoclonal antibodies raised against Trypanosoma cruzi. Flint JE, et al. **Trans R Soc Trop Med Hyg** 1984;78(2):193–202

Reactivity of pancreas islet cells with antisera of known specificity. Ulrichs K, et al. **Transplant Proc** 1984 Jun; 16(3):857–60

Leukocyte subsets in first-set rat cardiac allograft rejection. A serial immunohistologic study using monoclonal antibodies. Forbes RD, et al. **Transplantation** 1983 Dec; 36(6):681–6

Antibody-facilitated chimeras. Stem cell allotransplantation using antihost major histocompatibility complex monoclonal antibodies instead of lethal irradiation for host conditioning. Gambel P, et al. **Transplantation** 1984 Aug; 38(2):152–8

Pregnancy-induced monoclonal antibody to a unique fetal antigen. Ghani A, et al. **Transplantation** 1984 May; 37(5):503–6

Potent ability of anti-LFA-1 monoclonal antibody to prolong allograft survival. Heagy W, et al. **Transplantation** 1984 May;37(5):520–3

Treatment of acute renal allograft rejection with monoclonal anti-T12 antibody. Kirkman RL, et al. **Transplantation** 1983 Dec;36(6):620–6

Glucocorticoid inhibitory action on OKT3-stimulated peripheral blood lymphocytes from renal transplant patients. Musiani P, et al. **Transplantation** 1984 Sep; 38(3):309–12

A monoclonal antibody detecting a new human T cell antigen, HuLy-m2. Thurlow PJ, et al. **Transplantation** 1984 Aug;38(2):143–7

Monoclonal anti-Ia murine alloantibodies crossreactive with the Ia-homologues of other mammalian species including humans. Watanabe M, et al. **Transplantation** 1983 Dec; 36(6):712–8

Immunohistochemical reactivity of a monoclonal antibody prepared against human breast carcinoma. Mariani-Costantini R, et al. **Virchows Arch [A]** 1984; 402(4):389–404

In situ immunological characterization of Langerhans cells with monoclonal antibodies: comparison with other dendritic cells in skin and lymph nodes. Ralfkiaer E, et al. **Virchows Arch [A]** 1984;403(4):401–12

Murine hepatitis virus-4 (strain JHM)-induced neurologic disease is modulated in vivo by monoclonal antibody. Buchmeier MJ, et al. **Virology** 1984 Jan 30;132(2):261–70

Biological activities of monoclonal antibodies reactive with antigenic sites mapped on the G1 glycoprotein of La Crosse virus. Kingsford L, et al. **Virology** 1983 Sep;129(2):443–55

Monoclonal antibodies to the HN glycoprotein of Newcastle disease virus. Biological characterization and use for strain comparisons. Nishikawa K, et al. **Virology** 1983 Oct 30; 130(2):318–30

Characterization of monoclonal antibodies and polyclonal immune sera directed against human cytomegalovirus virion proteins. Nowak B, et al. **Virology** 1984 Jan 30; 132(2):325–38

Mouse monoclonal anti-HBs and its use in the screening of donated blood by Elisa. Els MC, et al. **Vox Sang** 1984; 46(3):165–74

Immunochemical characterization of a monoclonal anti-Leb blood grouping reagent. Messeter L, et al. **Vox Sang** 1984; 46(2):66–74

Mouse monoclonal antibodies with anti-A, anti-B and anti-A,B specificities; some superior to human polyclonal ABO reagents. Messeter L, et al. **Vox Sang** 1984; 46(4):185–94

Cold agglutinin Vo. An IgM lambda monoclonal human antibody recognizing a sialic acid determined antigen fully expressed on newborn erythrocytes. Roelcke D, et al. **Vox Sang** 1984;47(3):236–41

Monoclonal antibodies to Mycoplasma hyorhinis surface antigens: tools for analyzing mycoplasma-lymphoid cell interactions. Wise KS, et al. **Yale J Biol Med** 1983 Sep-Dec;56(5–6):623–9

Monoclonal antibodies to Legionella pneumophila serogroup 1: possible applications in diagnostic tests and epidemiologic studies. McKinney RM, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Jul;255(1):91–5

Establishment of hybridoma cell lines secreting anti-Legionella pneumophila serogroup 1 monoclonal antibodies with immunodiagnostic potential. Sethi KK, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Sep; 255(2–3):294–8

[Monoclonal antibody against aflatoxin B1 and its potential application] Sun ZT. **Chung Hua Chung Liu Tsa Chih** 1983 Nov;5(6):401–5 (Eng. Abstr.) **(Chi)**

[Monoclonal antibody against human AFP from LACA mice and its characterization] Wang YF. **Chung Hua Chung Liu Tsa Chih** 1984 Jan;6(1):8–11 (Eng. Abstr.) **(Chi)**

[Preliminary study on the monoclonal antibody to a human IgM cryoglobulin] Yao GB. **Chung Hua I Hsueh Tsa Chih** 1984 Apr;64(4):197–9 (Eng. Abstr.) **(Chi)**

[Monoclonal antibodies specific to dengue virus type-4] Chen BQ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1983 Aug; 5(4):215–8 (Eng. Abstr.) **(Chi)**

[Production of monoclonal antibodies against Japanese B encephalitis by a mouse hybridoma technic] Chen BQ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1983 Aug;5(4):210–4 (Eng. Abstr.) **(Chi)**

[Monoclonal antibodies] Ge XR. **Sheng Li Ko Hsueh Chin Chan** 1983 Jul;14(3):199–203 **(Chi)**

[Immunodiagnosis using monoclonal antibodies in patients with occult primary tumors] de Graaf PW, et al. **Ned Tijdschr Geneeskd** 1983 Sep 17;127(38):1715–21 (Eng. Abstr.) **(Dut)**

[Possibilities and limitations of monoclonal antibodies] Schröder J. **Duodecim** 1983;99(15):963–71 (39 ref.) **(Fin)**

[Value of correlated immunofluorescence and immunoperoxidase study of monoclonal markers in 2 adult cases of histiocytosis X] Dreno B, et al. **Ann Dermatol Venereol** 1984;111(1):31–6 (Eng. Abstr.) **(Fre)**

[A new specificity for anti-DNA antibodies] Jacob L, et al. **C R Seances Acad Sci [III]** 1984;298(17):481–2 (Eng. Abstr.) **(Fre)**

[Chromosomal R-banding with an anti-native DNA (dG-dC specificity) monoclonal antibody] Magaud JP, et al. **C R Seances Acad Sci [III]** 1984;299(6):135–8 (Eng. Abstr.) **(Fre)**

[Unexpected tissue antigens identified by monoclonal antibodies] Thivolet J. **Pathol Biol (Paris)** 1983 Sep; 31(7):565–7 **(Fre)**

[Prevention of graft-versus-host disease. Elimination of T-lymphocytes from bone marrow cells by complement-dependent cytolysis with a combination of pan-T monoclonal antibodies (letter)] Herve P, et al. **Presse Med** 1984 Mar 31;13(14):886–7 **(Fre)**

[Monoclonal antibodies in hematology] Knapp W. **Verh Dtsch Ges Pathol** 1983;67:54–64 (60 ref.) (Eng. Abstr.) **(Ger)**

[Characterization of GvH-related skin lesions using monoclonal antibodies on frozen sections] Müller C. **Verh Dtsch Ges Pathol** 1983;67:362–6 (Eng. Abstr.) **(Ger)**

[Use of monoclonal antibody 225.28S in the study of nevus cells in culture] Raffaelli M, et al. **Boll Soc Ital Biol Sper** 1984 Mar 30;60(3):467–71 (Eng. Abstr.) **(Ita)**

[T-lymphocyte populations studied with monoclonal antibodies in atopic dermatitis] Valsecchi R, et al. **G Ital Dermatol Venereol** 1983 Nov–Dec;118(6):349–53 (Eng. Abstr.) **(Ita)**

[Benign monoclonal gammopathies: probable antibody specificity of monoclonal immunoglobulins] Vento S, et al. **Minerva Med** 1983 Oct 27;74(41):2439–45 (Eng. Abstr.) **(Ita)**

[Enumeration of T cell subsets in patients with MCLS using monoclonal antibodies] Seto S, et al. **Arerugi** 1983 Sep; 32(9):970–8 (Eng. Abstr.) **(Jpn)**

[Preparation and characterization of monoclonal antibodies to human monocytes] Sugiyama T, et al. **Arerugi** 1984 Feb; 33(2):96–101 **(Jpn)**

[Analysis of concanavalin A-induced suppressor and helper cells by autologous erythrocyte rosette formation and monoclonal antibody methods] Takada S, et al. **Arerugi** 1983 Apr;32(4):213–20 (Eng. Abstr.) **(Jpn)**

[Culture of TCGF-dependent immunosuppressor T cells in gastric cancer patients and phenotypic characterization of the cell surface, using monoclonal antibodies and a fluorescence-activated cell sorter (FACS)] Koyama S, et al. **Gan No Rinsho** 1984 Jul;30(8):912–24 (Eng. Abstr.) **(Jpn)**

[A monoclonal antibody reactive with scirrhous carcinoma of the stomach] Sekine T. **Gan No Rinsho** 1984 May;30(6 Suppl):552–7 (Eng. Abstr.) **(Jpn)**

[Tumor-specific immunotherapy: active immunotherapy by augmenting the induction of tumor-specific effector T cells through a T-T cell interaction mechanism] Kosugi A, et al. **Gan To Kagaku Ryoho** 1984 Aug;11(8):1527–35 (Eng. Abstr.) **(Jpn)**

[Studies on serum CEA levels measured by enzyme immunoassay using monoclonal CEA-antibodies] Takada S, et al. **Gan To Kagaku Ryoho** 1984 Jul;11(7):1487–91 (Eng. Abstr.) **(Jpn)**

[Two-dimensional gel analyses of HLA-D region antigens by the use of monoclonal antibodies] Takenouchi T. **Hokkaido Igaku Zasshi** 1983 May;58(3):279–91 (Eng. Abstr.) **(Jpn)**

[Influenza B outbreak in pediatrics and HA antigen analysis by monoclonal antibody] Sugaya N, et al. **Kansenshogaku Zasshi** 1984 Mar;58(3):181–6 (Eng. Abstr.) **(Jpn)**

[Characterization of monoclonal antibodies against Leptospira causing Weil's disease] Tamai T. **Kansenshogaku Zasshi** 1983 May;57(5):394–404 (Eng. Abstr.) **(Jpn)**

[Immunohistological evaluation of melanoma using anti-human melanoma monoclonal antibody] Kageshita T, et al. **Nippon Hifuka Gakkai Zasshi** 1983 Apr;93(5):537–40 **(Jpn)**

[Case of adult T-cell leukemia—in situ characterization of lymphoid cells using monoclonal antibodies] Sudo S, et al. **Nippon Hifuka Gakkai Zasshi** 1983 Dec;93(14):1537–9 **(Jpn)**

[Demonstration of seminal stains by sandwich ELISA using monoclonal gamma-seminoprotein antibody bound to acrylbutadienestyrene beads. Forensic immunological studies of body fluids and secretion. Report XXIII] Tsuda R, et al. **Nippon Hoigaku Zasshi** 1984 Feb;38(1):83–7 (Eng. Abstr.) **(Jpn)**

[Monoclonal antibodies reactive with human granulocytes and monocytes] Yamada K, et al. **Nippon Ketsueki Gakkai Zasshi** 1983 Nov;46(6):1185–91 (Eng. Abstr.) **(Jpn)**

[Induction of differentiation of human myelomonocytic cell lines by chemical inducers: analysis of surface antigens with monoclonal antibodies] Yamada K, et al. **Nippon Ketsueki Gakkai Zasshi** 1984 May;47(3):703–8 (Eng. Abstr.) **(Jpn)**

[Studies on distribution if immune cells in the decidua basalis of early pregnancy by immunoperoxidase technic using monoclonal antibodies] Honma S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Jul;36(7):1113–4 **(Jpn)**

[Studies of early pregnancy factor by rosette inhibition test using monoclonal antibody] Igarashi S. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Apr; 36(4):519–24 (Eng. Abstr.) **(Jpn)**

[Monoclonal antibody-defined tumor marker CA19-9: evaluation of its clinical usefulness, using the radioimmunometric assay for CA19-9] Oguchi H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Jun;81(6):1430–5 (Eng. Abstr.) **(Jpn)**

[Subsets of peripheral blood lymphocytes studied with monoclonal antibodies, with special reference to chronic hepatitis] Oomori K. **Nippon Shokakibyo Gakkai Zasshi** 1983 Oct;80(10):2208–15 (Eng. Abstr.) **(Jpn)**

[Serum levels of CA19-9 in various diseases of digestive system and its clinical significance] Yamanaka T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Jun;80(6):1352 **(Jpn)**

[Mitogenic effect of OKT 3 (monoclonal anti-T lymphocyte antibody) on activation of human T lymphocytes] Funato T, et al. **Rinsho Byori** 1983 Dec;31(12):1340–4 **(Jpn)**

[Monoclonal antibodies] Matuhasi T. **Rinsho Byori** 1984 Feb; 32(2):140–4 **(Jpn)**

[The reaction specificity of Coulter clone against human hematopoietic cell line cells and normal human blood cells] Matsuo Y, et al. **Rinsho Ketsueki** 1983 Dec;24(12):1650–62 (Eng. Abstr.) **(Jpn)**

[Use of monoclonal antibodies. A new era in hematology] Oblakowski P. **Acta Haematol Pol** 1983 Jul–Dec; 14(3–4):219–27 (37 ref.) **(Pol)**

[Monoclonal antibodies as diagnostic reagents of a new type] Cheredeev AN. **Lab Delo** 1984;(6):323–7 (34 ref.) **(Rus)**

[Clinico-immunological characteristics of partial red-cell aplasia associated with monoclonal gammopathies] Idel'son LI, et al. **Ter Arkh** 1983;55(8):75–9 **(Rus)**

[Use of monoclonal antibodies in virology] Lashkevich VA. **Vopr Virusol** 1983 Nov–Dec;28(6):648–54 (99 ref.) **(Rus)**

[Antiviral action of monoclonal antibodies] Novokhatskiĭ AS, et al. **Vopr Virusol** 1983 Sep–Oct;28(5):567–70 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

In vitro immunization of mouse spleen cells and the production of monoclonal antibodies. Borrebaeck CA. **Acta Chem Scand [B]** 1983;37(7):647–8

Vasectomy-induced autoimmunity: antisperm and antinuclear autoimmune monoclonal antibodies. Isahakia M, et al. **Am J Reprod Immunol** 1984 Apr–May;5(3):117–24

Functional heterogeneity of monoclonal antibodies obtained using different screening assays. Mierendorf RC Jr, et al. **Anal Biochem** 1983 Nov;135(1):221–9

Monoclonal antibody screening: two methods using antigens immobilized on nitrocellulose. Smith E, et al. **Anal Biochem** 1984 Apr;138(1):119–24

Purification and characterization of rat dopamine beta-monooxygenase and monoclonal antibodies to the enzyme. Okuno S, et al. **Biochim Biophys Acta** 1984 Jun 29;799(3):260–9

Hybridomas for production of monoclonal antibodies to human erythropoietin. Yanagawa S, et al. **Blood** 1984 Aug; 64(2):357–64

Purification of monoclonal antibodies from mouse ascites eliminates contaminating infectious mouse type C viruses and nucleic acids. Levy JA, et al. **Clin Exp Immunol** 1984 Apr;56(1):114–20

Monoclonal antibodies to a recombinant human leukocyte interferon (rIFN-alpha B). Osheroff PL, et al. **Clin Immunol Immunopathol** 1984 Feb;30(2):188–96

Properties of monoclonal antibodies to nicotinic acetylcholine receptor from chick muscle. Mehraban F, et al. **Eur J Biochem** 1984 Jan 2;138(1):53–61

Monoclonal anti-glycoprotein antibody that blocks cell adhesion in Polysphondylium pallidum. Toda K, et al. **Eur J Biochem** 1984 Apr 2;140(1):73–81

Immunoperoxidase staining on frozen tissue sections as a first screening assay in the preparation of monoclonal antibodies directed against small cell carcinoma of the lung. de Leij L, et al. **Eur J Cancer Clin Oncol** 1984 Jan;20(1):123–8

Direct binding of radioiodinated monoclonal antibody to tumor cells: significance of antibody purity and affinity for drug targeting or tumor imaging. Kennel SJ, et al. **Hybridoma** 1983;2(3):297–310

Purification of hog kidney renin with immobilized monoclonal antirenin. Dorer FE, et al. **Hypertension** 1984 May-Jun;6(3):374–82

Isolation and characterization of a monoclonal antibody directed against type 1 fimbriae organelles from Escherichia coli. Eisenstein BI, et al. **Infect Immun** 1983 Oct;42(1):333–40

Production and characterization of three monoclonal antibodies to Candida albicans proteins. Strockbine NA, et al. **Infect Immun** 1984 Mar;43(3):1012–8

Proximity of reactive lysyl residue to the antigenic site in rabbit skeletal myosin against the monoclonal antibody (MF-18) generated to chicken skeletal myosin. Katayama E, et al. **J Biochem (Tokyo)** 1984 Mar;95(3):721–7

Crystallization of the fab fragments of monoclonal anti-p-azophenylarsonate antibodies and their complexes with haptens. Mariuzza RA, et al. **J Biol Chem** 1984 May 10;259(9):5954–8

Studies on the syngeneic mixed lymphocyte reaction. III. Development of a monoclonal antibody with specificity for autoreactive T cells. Hausman PB, et al. **J Exp Med** 1983 Oct 1;158(4):1307–18

Monoclonal antibodies to DNA and RNA from NZB/NZW F1 mice: antigenic specificities and NH2 terminal amino acid sequences. Eilat D, et al. **J Immunol** 1984 Jul; 133(1):489–94

On the fragmentation of monoclonal IgG1, IgG2a, and IgG2b from BALB/c mice. Parham P. **J Immunol** 1983 Dec; 131(6):2895–902

Rat monoclonal antibodies. II. A rapid and efficient method of purification from ascitic fluid or serum. Bazin H, et al. **J Immunol Methods** 1984 Jun 8;71(1):9–16

Rat monoclonal antibodies. I. Rapid purification from in vitro culture supernatants. Bazin H, et al. **J Immunol Methods** 1984 Feb 10;66(2):261–9

A modified gel filtration technique producing an unusual exclusion volume of IgM: a simple way of preparing monoclonal IgM. Bouvet JP, et al. **J Immunol Methods** 1984 Feb 10;66(2):299–305

Rapid and efficient purification of mouse monoclonal antibodies from ascites fluid using high performance liquid chromatography. Burchiel SW, et al. **J Immunol Methods** 1984 Apr 13;69(1):33–42

A filtration double antibody radioimmunoassay that simplifies and semi-automates the isolation of immune precipitates. Jou YH, et al. **J Immunol Methods** 1983 Dec 30; 65(3):285–92

Monoclonal antibodies to human immune interferon and their application for affinity chromatography. Le J, et al. **J Immunol Methods** 1984 Apr 13;69(1):61–70

Re.: Purification of IgG monoclonal antibody by caprylic acid precipitation [letter] Russo C, et al. **J Immunol Methods** 1983 Dec 16;65(1–2):269–71

Isolation of monoclonal antibodies that recognize the transforming proteins of avian sarcoma viruses. Lipsich LA, et al. **J Virol** 1983 Nov;48(2):352–60

Characterization of a monoclonal antibody, KR-P8, that detects a new prostate-specific marker. Raynor RH, et al. **JNCI** 1984 Sep;73(3):617–25

Monoclonal antibodies to human chorionic gonadotropin and its beta-subunit. Furuhashi Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1983 Dec; 35(12):2415–20

Construction and testing of mouse—human heteromyelomas for human monoclonal antibody production. Teng NN, et al. **Proc Natl Acad Sci USA** 1983 Dec;80(23):7308–12

Isolation and serological characterization of a monoclonal antibody recognizing the N blood group antigen. Allen RW, et al. **Transfusion** 1984 Mar–Apr;24(2):136–40

Characterization of human p53 antigens employing primate specific monoclonal antibodies. Thomas R, et al. **Virology** 1983 Dec;131(2):502–17

[Production of anti-L-histidine decarboxylase monoclonal antibodies] Pollard H, et al. **C R Seances Acad Sci [III]** 1983;297(12):553–6 (Eng. Abstr.) **(Fre)**

[Production of monoclonal antibodies to insulin] Dietz H, et al. **Radiobiol Radiother (Berl)** 1984;25(1):161–7 (Eng. Abstr.) **(Ger)**

[Monoclonal antibody against term-placental alkaline phosphatase] Nozawa S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1983 Dec; 35(12):2427–8 **(Jpn)**

[Isolation of monoclonal antibodies to antigen Lyt-3.2] Filatov AV, et al. **Biull Eksp Biol Med** 1984 Aug; 97(8):223–6 (Eng. Abstr.) **(Rus)**

[Monoclonal antibodies to the surface antigens of long-term cultivated smooth-muscle vascular cells] Printseva OIu, et al. **Dokl Akad Nauk SSSR** 1983;273(5):1268–70 **(Rus)**

[Monoclonal antibodies to group-specific antigens of human erythrocytes] Lemeneva LN, et al. **Gematol Trasfuziol** 1984 Feb;29(2):32–9 (Eng. Abstr.) **(Rus)**

METABOLISM

Binding of mouse monoclonal antibodies to human leukaemic cells via the Fc receptor: a possible source of 'false positive' reactions in specificity screening. Gadd SJ, et al. **Clin Exp Immunol** 1983 Dec;54(3):811–8

The interaction of neurotoxin derivatives with either acetylcholine receptor or a monoclonal antibody. An electron-spin-resonance study. Rousselet A, et al. **Eur J Biochem** 1984 Apr 2;140(1):31–7

Production of a monoclonal antibody-methotrexate conjugate utilizing dextran T-40 and its biologic activity. Manabe Y, et al. **J Lab Clin Med** 1984 Sep;104(3):445–54

PHARMACODYNAMICS

Thyroglobulin-induced T-cell in vitro proliferation in Hashimoto's thyroiditis: identification of the responsive subset and effect of monoclonal antibodies directed to Ia antigens. Canonica GW, et al. **Clin Immunol Immunopathol** 1984 Aug;32(2):132–41

Studies using a monoclonal antibody against soman. Lenz DE, et al. **Fundam Appl Toxicol** 1984 Apr;4(2 Pt 2):S156–64

PHYSIOLOGY

Antibodies against osteosarcoma and colon cancer. Embleton MJ, et al. **Behring Inst Mitt** 1984 May;(74):35–8

Experience in the preparation and experimental use of immunocytostatics. Embleton MJ, et al. **Behring Inst Mitt** 1984 May;(74):108–12

Antibody-ricin conjugates: a method of linkage which blocks the galactose binding site of ricin. Foxwell BM, et al. **Behring Inst Mitt** 1984 May;(74):101–7

Complement-dependent killing of human hematopoietic progenitor cells with noncomplement-fixing monoclonal antibodies in an antiglobulin assay. Fitchen JH, et al. **Blood** 1984 Apr;63(4):873–7

An immunotoxin with therapeutic potential in T cell leukemia: WT1-ricin A. Myers CD, et al. **Blood** 1984 May; 63(5):1178–85

In vitro cytodestruction of human leukemic cells using murine monoclonal antibodies and human complement. Stepan DE, et al. **Blood** 1984 May;63(5):1120–4

Ricin A-chain conjugated with monoclonal anti-L1210 antibody. In vitro and in vivo antitumor activity. Kishida K, et al. **Cancer Immunol Immunother** 1983;16(2):93–7

Mouse monoclonal antibodies can nonspecifically inhibit the proliferation of human T-cell growth factor-dependent T cells. Burns GF, et al. **Cell Immunol** 1983 Dec;82(2):426–31

Differential effect of monoclonal anti-DR antibody on

monocytes in antigen- and mitogen-stimulated responses: mechanism of inhibition and relationship to interleukin 1 secretion. Gerrard TL, et al. **Cell Immunol** 1983 Dec; 82(2):394–402

Interleukin 2-driven T lymphocyte proliferation is dependent upon a surface antigen distinct from the interleukin 2 receptor: requirements for inhibition of T-cell proliferation by monoclonal antibody 5C3. Malek TR, et al. **Cell Immunol** 1984 Mar;84(1):85–93

Monoclonal antibody against K562 cell line accelerates killing of the target cells by large granular lymphocytes. Park MM, et al. **Cell Immunol** 1984 Mar;84(1):94–103

Monoclonal antibodies against poly(ADP-ribose) recognize different structures of poly(ADP-ribose). Kawamitsu H, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1983; 13:41–7

Suppression of in vitro monoclonal human rheumatoid factor synthesis by antiidiotypic antibody. Target cells and molecular requirements. Koopman WJ, et al. **J Clin Invest** 1983 Oct;72(4):1410–9

A monoclonal antibody to rhesus erythrocyte band 3 inhibits invasion by malaria (Plasmodium knowlesi) merozoites. Miller LH, et al. **J Clin Invest** 1983 Oct;72(4):1357–64

Ethnic differences in the lymphocyte proliferative response induced by a murine IgG1 antibody, Leu-4, to the T3 molecule. AboT, et al. **J Exp Med** 1984 Jul 1;160(1):303–9

T cell-activating properties of an anti-Thy-1 monoclonal antibody. Possible analogy to OKT3/Leu-4. Gunter KC, et al. **J Exp Med** 1984 Mar 1;159(3):716–30

Schistosoma mansoni. Anti-egg monoclonal antibodies protect against cercarial challenge in vivo. Harn DA, et al. **J Exp Med** 1984 May 1;159(5):1371–87

Heterogeneity among human collagenases demonstrated by monoclonal antibody that selectively recognizes and inhibits human neutrophil collagenase. Hasty KA, et al. **J Exp Med** 1984 May 1;159(5):1455–63

Monoclonal anti-Lyt-2.2 antibody blocks lectin-dependent cellular cytotoxicity of H-2-negative target cells. Hünig T. **J Exp Med** 1984 Feb 1;159(2):551–8

The Fab fragment of a directly activating monoclonal antibody that precipitates a disulfide-linked heterodimer from a helper T cell clone blocks activation by either allogeneic Ia or antigen and self-Ia. Kaye J, et al. **J Exp Med** 1984 May 1;159(5):1397–412

Induction of idiotope suppression in the anti-azophenylarsonate response of T-depleted A/J mice. Rothstein TL, et al. **J Exp Med** 1984 Apr 1;159(4):1283–8

Multiple autoantigen binding capabilities of mouse monoclonal antibodies selected for rheumatoid factor activity. Rubin RL, et al. **J Exp Med** 1984 May 1; 159(5):1429–40

Monoclonal antibody to murine gamma interferon inhibits lymphokine-induced antiviral and macrophage tumoricidal activities. Spitalny GL, et al. **J Exp Med** 1984 May 1; 159(5):1560–5

Lymphokine regulation of activated (G1) lymphocytes. II. Glucocorticoid and anti-Tac-induced inhibition of human T lymphocyte proliferation. Bettens F, et al. **J Immunol** 1984 Jan;132(1):261–5

Characteristics of a spontaneous monoclonal thymocytotoxic antibody from New Zealand Black mice: recognition of a specific NTA determinant. Bray KR, et al. **J Immunol** 1984 Sep;133(3):1318–24

Expression and regulation of two idiotype families and subsets within an idiotype family among BALB/c antibodies against p-azophenylarsonate. Brown AR. **J Immunol** 1984 Jun;132(6):2715–23

Preferential elimination of NK and CTL functions by anti-D44 monoclonal antibody. Calvo CF, et al. **J Immunol** 1984 May;132(5):2345–9

Monoclonal antibodies to Salmonella lipopolysaccharide: anti-O-polysaccharide antibodies protect C3H mice against challenge with virulent Salmonella typhimurium. Colwell DE, et al. **J Immunol** 1984 Aug;133(2):950–7

Stabilization of the amplification convertase of complement by monoclonal antibodies directed against human factor B. Daha MR, et al. **J Immunol** 1984 May;132(5):2538–42

The role of I-A/E molecules in B lymphocyte activation. I. Inhibition of lipopolysaccharide-induced responses by monoclonal antibodies. Forsgren S, et al. **J Immunol** 1984 Oct;133(4):2104–10

Antigenic modulation induced by monoclonal antibodies: antibodies to measles virus hemagglutinin alters expression of other viral polypeptides in infected cells. Fujinami RS, et al. **J Immunol** 1984 May;132(5):2618–21

Blocking activity of rat monoclonal antibodies in experimental schistosomiasis. Grzych JM, et al. **J Immunol** 1984 Aug;133(2):998–1004

Heterogeneity of infection enhancement of dengue 2 strains by monoclonal antibodies. Halstead SB, et al. **J Immunol** 1984 Mar;132(3):1529–32

Monoclonal antibodies against SSEA-1 antigen: binding properties and inhibition of human natural killer cell activity against target cells bearing SSEA-1 antigen. Harris JF, et al. **J Immunol** 1984 May;132(5):2502–9

Immunoregulation by monoclonal sheep erythrocyte-specific IgG antibodies: suppression is correlated to level of antigen binding and not to isotype. Heyman B, et al. **J Immunol** 1984 Mar;132(3):1136–43

Inhibition of entry of Plasmodium falciparum and P. vivax sporozoites into cultured cells; an in vitro assay of protective antibodies. Hollingdale MR, et al. **J Immunol** 1984 Feb;132(2):909–13

Induction of T cell responses in nonresponder mice by abolishing suppression with monoclonal antibodies recognizing A region-controlled, T cell-specific determinants. Ikezawa Z, et al. **J Immunol** 1983 Oct; 131(4):1646–9

Monoclonal antibodies as functional probes of the HN glycoprotein of Newcastle disease virus: antigenic separation of the hemagglutinating and neuraminidase sites. Iorio RM, et al. **J Immunol** 1984 Oct;133(4):2215–9

Altered surface distribution of both C3b receptors and Fc receptors on neutrophils induced by anti-C3b receptor or aggregated IgG. Jack RM, et al. **J Immunol** 1984 Jun; 132(6):3028–33

Cell receptors for the mammalian reovirus. II. Monoclonal anti-idiotypic antibody blocks viral binding to cells. Kauffman RS, et al. **J Immunol** 1983 Nov;131(5):2539–41

Monoclonal antibodies against surface determinants on gametes of Plasmodium gallinaceum block transmission of malaria parasites to mosquitoes. Kaushal DC, et al. **J Immunol** 1983 Nov;131(5):2557–62

Growth of a cloned helper T cell line induced by a monoclonal antibody specific for the antigen receptor: interleukin 1 is required for the expression of receptors for interleukin 2. Kaye J, et al. **J Immunol** 1984 Sep; 133(3):1339–45

Specific inhibition of in vitro lymphocyte transformation by an anti-pan T cell (gp67) ricin A chain immunotoxin. Kernan NA, et al. **J Immunol** 1984 Jul;133(1):137–46

An immunoprotective monoclonal antibody to lipopolysaccharide. Kirkland TN, et al. **J Immunol** 1984 May;132(5):2590–2

The blockade of Fc receptor-mediated clearance of immune complexes in vivo by a monoclonal antibody (2.4G2) directed against Fc receptors on murine leukocytes. Kurlander RJ, et al. **J Immunol** 1984 Aug;133(2):855–62

Effects of monoclonal antibodies directed against murine T lymphocyte cell surface antigens on lymphokine production by cloned T lymphocytes reactive with class I MHC or Mls alloantigens. Lancki DW, et al. **J Immunol** 1984 Oct;133(4):2051–7

The Fc portion of intact IgG blocks stimulation of human PBMC by anti-T3. Looney RJ, et al. **J Immunol** 1984 Jul; 133(1):154–6

Characterization of a monoclonal antibody directed to a T cell suppressor factor. Maier T, et al. **J Immunol** 1983 Oct; 131(4):1843–8

The murine IL 2 receptor. II. Monoclonal anti-IL 2 receptor antibodies as specific inhibitors of T cell function in vitro. Malek TR, et al. **J Immunol** 1984 Oct;133(4):1976–82

Monoclonal antibodies to a 140,000-m.w. protein on Plasmodium knowlesi merozoites inhibit their invasion of rhesus erythrocytes. Miller LH, et al. **J Immunol** 1984 Jan; 132(1):438–42

A circular antibody-antigen complex is responsible for increased affinity shown by mixtures of monoclonal antibodies to human chorionic gonadotropin. Moyle WR, et al. **J Immunol** 1983 Oct;131(4):1900–5

Blockade of NK cell lysis is a property of monoclonal antibodies that bind to distinct regions of T-200. Newman W, et al. **J Immunol** 1983 Oct;131(4):1742–7

A rat monoclonal antibody that binds specifically to mouse T lymphoblasts and inhibits IL 2 receptor functions: a putative anti-IL 2 receptor antibody. Osawa H, et al. **J Immunol** 1984 May;132(5):2445–50

Changes in conformation with loss of alloantigenic determinants of a histocompatibility antigen (HLA-B7) induced by monoclonal antibodies. Parham P. **J Immunol** 1984 Jun;132(6):2975–83

Antigenic structure of hepatitis B surface antigen: identification of the 'd' subtype determinant by chemical modification and use of monoclonal antibodies. Peterson DL, et al. **J Immunol** 1984 Feb;132(2):920–7

A rat anti-mouse T4 monoclonal antibody (H129.19) inhibits the proliferation of Ia-reactive T cell clones and delineates two phenotypically distinct (T4+, Lyt-2,3-, and T4-, Lyt-2,3+) subsets among anti-Ia cytolytic T cell clones. Pierres A, et al. **J Immunol** 1984 Jun;132(6):2775–82

Anti-T cell monoclonal antibodies conjugated to ricin as potential reagents for human GVHD prophylaxis: effect on the generation of cytotoxic T cells in both peripheral blood and bone marrow. Quinones RR, et al. **J Immunol** 1984 Feb;132(2):678–83

Homologous monoclonal antibodies induce idiotope-specific suppression in neonates through maternal influence and in adults exposed during fetal and neonatal life. Rothstein TL, et al. **J Immunol** 1984 Sep;133(3):1151–4

Antigenic regions defined by monoclonal antibodies correspond to structural domains of avian lysozyme. Smith-Gill SJ, et al. **J Immunol** 1984 Jul;133(1):384–93

Influence of HLA class I- and class II-specific monoclonal antibodies on DR-restricted lymphoproliferative responses. I. Unseparated populations of effector cells. Sterkers G, et al. **J Immunol** 1983 Dec;131(6):2735–40

OKT4+ cytotoxic T cells can lyse targets via class I molecules and can be blocked by monoclonal antibody against T4 molecules. Strassman G, et al. **J Immunol** 1984 Oct;133(4):1705–9

Monoclonal antibody to L3T4 blocks the function of T cells specific for class 2 major histocompatibility complex antigens. Swain SL, et al. **J Immunol** 1984 Mar; 132(3):1118–23

Fc receptors for mouse IgG1 on human monocytes: polymorphism and role in antibody-induced T cell proliferation. Tax WJ, et al. **J Immunol** 1984 Sep; 133(3):1185–9

Differential inhibition of human antigen-specific T cell clone proliferative responses by distinct monoclonal anti-HLA-DR antibodies. Triebel F, et al. **J Immunol** 1984 Apr;132(4):1773–8

Human T cell clones exerting multiple cytolytic activities show heterogeneity in susceptibility to inhibition by monoclonal antibodies. van de Griend RJ, et al. **J Immunol** 1984 Sep;133(3):1222–9

Human T lymphocyte activation by monoclonal antibodies; OKT3, but not UCHT1, triggers mitogenesis via an interleukin 2-dependent mechanism. Van Wauwe JP, et al. **J Immunol** 1984 Jul;133(1):129–32

OKT8 antibody inhibits OKT3-induced IL 2 production and proliferation in OKT8+ cells. Welte K, et al. **J Immunol** 1983 Nov;131(5):2356–61

A human monoclonal IgG1 with anti-idiotypic activity against anti-human thyroglobulin autoantibody. Zouali M, et al. **J Immunol** 1984 Jul;133(1):190–4

Increase in the complement-fixing ability of murine IgG anti-lymphocyte antibodies by addition of monoclonal IgM rheumatoid factors. Carson DA. **J Immunol Methods** 1984 Mar 30;68(1-2):103–8

Advantage of monoclonal vs. polyclonal antisera in a beta 2-microglobulin radioimmunoassay. Gerity E, et al. **J Immunol Methods** 1984 Mar 30;68(1-2):131–5

Reacting mouse sperm with monoclonal H-Y antibodies does not influence sex ratio of eggs fertilized in vitro. Hoppe PC, et al. **J Reprod Immunol** 1984 Jan;6(1):1–9

Characterisation of renal antigens on distinct parts of the human nephron by monoclonal antibodies. Müller GA, et al. **Klin Wochenschr** 1983 Sep 15;61(18):893–902

Monoclonal antibody 2-2-B kills K1-positive Escherichia coli in conjunction with cord blood neutrophils and sera, but not with spinal fluid. Cross AS, et al. **Pediatr Res** 1984 Aug;18(8):770–2

Receptor-like activity of a monoclonal anti-idiotypic antibody against an anti-acetylcholine receptor antibody. Lefvert AK, et al. **Scand J Immunol** 1984 May;19(5):485–9

Monoclonal antibody to Thy-1 enhances regeneration of processes by rat retinal ganglion cells in culture. Leifer D, et al. **Science** 1984 Apr 20;224(4646):303–6

Abrogation of anterior-chamber-induced suppression of delayed-type hypersensitivity responses by monoclonal anti-I-J antibodies. Niederkorn JY, et al. **Transplantation** 1984 Jun;37(6):623–5

THERAPEUTIC USE

Treatment of a murine leukemia with chlorambucil bound monoclonal antibodies. Feinerman B, et al. **Adv Exp Med Biol** 1983;166:59–66

Monoclonal antibodies as anticancer agents. Oldham RK. **Adv Exp Med Biol** 1983;166:45–57

Present potential of immunotoxins. Poncelet P, et al. **Behring Inst Mitt** 1984 May;(74):94–100

Monoclonal antibody therapeutic trials in seven patients with T-cell lymphoma. Miller RA, et al. **Blood** 1983 Nov; 62(5):988–95

Therapy with monoclonal antibodies. Conner CS. **Drug Intell Clin Pharm** 1984 Jan;18(1):65–6

Therapy of chronic lymphocytic leukemia and cutaneous T-cell lymphoma with T101 monoclonal antibody. Dillman RO, et al. **J Clin Oncol** 1984 Aug;2(8):881–91

Monoclonal antibodies against protease-sensitive pneumococcal antigens can protect mice from fatal infection with Streptococcus pneumoniae. McDaniel LS, et al. **J Exp Med** 1984 Aug 1;160(2):386–97

T65 antigen modulation in a phase I monoclonal antibody trial with chronic lymphocytic leukemia patients. Schroff RW, et al. **J Immunol** 1984 Sep;133(3):1641–8

Monoclonal antibody 791T/36 for tumor detection and therapy for metastases. Baldwin RW, et al. **Symp Fundam Cancer Res** 1983;36:437–55 (31 ref.)

ANTIBODIES, NEOPLASM

Lewis blood group antigens defined by monoclonal anti-colon carcinoma antibodies. Blaszczyk M, et al. **Arch Biochem Biophys** 1984 Aug 15;233(1):161–8

Imaging the tumour uptake of radiolabelled antibodies [letter] Perkins AC, et al. **Br J Radiol** 1984 Jul;57(679):652–3

Characteristics of platelet aggregation induced by the monoclonal antibody ALB6 (acute lymphoblastic leukemia antigen p 24). Inhibition of aggregation by ALB6Fab. Boucheix C, et al. **FEBS Lett** 1983 Sep 19;161(2):289–95

The detection of squamous cell tumours of the head and neck using radio-labelled antibodies. Tranter RM, et al. **J Laryngol Otol** 1984 Jan;98(1):71–4

Nuclear imaging techniques with radiolabelled antibodies. Fairweather DS, et al. **J Pathol** 1983 Nov;141(3):363–78 (47 ref.)

Scanning for tumours with radiolabelled antibodies: a review. Dykes PW, et al. **J R Soc Med** 1983 Nov;76(11):957–60 (28 ref.)

ADMINISTRATION & DOSAGE

Interferon-alpha conjugation to human osteogenic sarcoma monoclonal antibody 791T/36. Pelham JM, et al.

Cancer Immunol Immunother 1983;15(3):210–6

Antitumor monoclonal antibodies for radioimmunodetection of tumors and drug targeting. Baldwin RW, et al. **Cancer Metastasis Rev** 1983;2(1):89–106 (44 ref.)

Monoclonal antitumor antibodies in the lymphatics. Weinstein JN, et al. **Cancer Treat Rep** 1984 Jan;68(1):257–64

Effects of monoclonal antibody immunotherapy on patients with gastrointestinal adenocarcinoma. Sears HF, et al. **J Biol Response Mod** 1984;3(2):138–50

Distribution of oncodevelopmental markers in neoplastic cells: therapeutic implications. Nakane PK, et al. **J Histochem Cytochem** 1984 Aug;32(8):894–8

Antibody-guided irradiation of malignant lesions: three cases illustrating a new method of treatment. A report from the Hammersmith Oncology Group and the Imperial Cancer Research Fund. **Lancet** 1984 Jun 30;1(8392):1441–3

In vivo suppression of Ehrlich ascites carcinoma by human antibody-dependent splenocytes. Dobaczewska H. **Neoplasma** 1984;31(2):165–8

ANALYSIS

Antibodies to different intermediate filaments as histogenetic tumormarkers. Schauer A, et al. **Acta Histochem [Suppl] (Jena)** 1984;29:129–36

Seropositivity of a blood recipient from a donor with positive adult T-cell leukemia-associated antigens. Miyamoto K, et al. **Acta Med Okayama** 1983 Dec;37(6):521–3

Studies on the specificity of human antibodies reacting with GP70 and P15 antigens of baboon endogenous (BaEV) and gibbon ape leukaemia (GaLV) viruses. Tóth FD, et al. **Acta Virol (Praha)** 1984 May;28(3):191–7

A new serologic diagnostic method for malignant ovarian germ cell tumors: detection of antibodies to large glycopeptides. Higaki K, et al. **Am J Obstet Gynecol** 1983 Dec 15;147(8):974–5

Circulating antibody to prostate antigen in patients with prostatic cancer. Chu TM, et al. **Ann NY Acad Sci** 1983; 417:383–9

Immunofluorescent and immunoperoxidase staining of antibodies to fibrous keratin. Improved sensitivity for detecting epidermal cancer cells. Robinson JK, et al. **Arch Dermatol** 1984 Feb;120(2):199–203

Antibodies presumably cross-reacting with mouse retrovirus type B and C in the sera of both leukemia-lymphoma and mammary cancer patients. Segal-Eiras A, et al. **Arch Geschwulstforsch** 1983;53(4):321–7

Widespread occurrence in mammals of antibodies reactive to intracytoplasmic A particles of the mouse mammary tumor virus. Zotter S. **Arch Geschwulstforsch** 1983; 53(4):315–9

The localization of an anti-tumour monoclonal antibody (791T/36) in gastrointestinal tumours. Armitage NC, et al. **Br J Surg** 1984 Jun;71(6):407–12

Serum cold agglutinin and IgM levels in breast carcinoma. Dube VE, et al. **Breast Cancer Res Treat** 1984;4(2):105–8

Autologous serologic responses in glioma patients. Correlation with tumor grade and survival. Kornblith PL, et al. **Cancer** 1983 Dec 15;52(12):2230–5

Nature of antigens and antibodies in immune complexes isolated by staphylococcal protein A from plasma of melanoma patients. Gupta RK, et al. **Cancer Immunol Immunother** 1983;16(1):40–7

Effect of neuraminidase treatment on serum reactivity to autologous leukemic blast cells. Pfreundschuh M, et al. **Cancer Immunol Immunother** 1983;15(3):194–9

Correlation between immune complexes and herpes simplex virus (HSV)-tumor associated antigen (TAA) in human cancer sera. Cocchiara R, et al. **Cell Mol Biol** 1983; 29(5):397–403

Clinical significance of neuraminidase, T-antigen and T-antibody determination. Zhang YQ, et al. **Chin Med J [Engl]** 1983 Jul;96(7):536–8

Sera from irradiated rats contain antibodies to a ubiquitous tumour-associated antigen. Bentvelzen P, et al. **Eur J Cancer Clin Oncol** 1983 Sep;19(9):1255–63

Antibody specific for lung cancer cells detected in sera of patients with bronchogenic carcinoma. Yasumoto K, et al. **Gann** 1983 Aug;74(4):595–601

Circulating cytotoxic anti-RCC antibody responses in renal cell carcinoma patients. Ishibashi M, et al. **Hinyokika Kiyo** 1983 Feb;29(2):121–9

Studies on the level of natural antibodies reactive with various tumor cells during urethane carcinogenesis in BALB/c mice. Witz IP, et al. **Immunobiology** 1984 Mar; 166(2):131–45

Reactivity of purified GP40 antigen with antibodies from sera of patients with colorectal cancer: a follow-up study. Gazitt Y, et al. **Int J Cancer** 1983 Nov 15;32(5):537–41

Human T-cell leukemia virus (HTLV) in the United Kingdom. Greaves MF, et al. **Int J Cancer** 1984 Jun 15; 33(6):795–806

A pigmentation-associated, differentiation antigen of human melanoma defined by a precipitating antibody in human serum. Mattes MJ, et al. **Int J Cancer** 1983 Dec 15; 32(6):717–21

Transformation of ATLA-negative leukocytes by blood components from anti-ATLA-positive donors in vitro. Miyamoto K, et al. **Int J Cancer** 1984 Jun 15;33(6):721–5

Antibody-dependent cellular cytotoxicity and disease course in North American patients with nasopharyngeal carcinoma: a prospective study. Pearson GR, et al. **Int J Cancer** 1984 Jun 15;33(6):777–82

Immunotherapy of murine leukemia. XI. differential susceptibility of spleen cells from serum-protected mice to the in vitro immunosuppressive effects of Friend leukemia virus-infected splenocytes. Pettey CL, et al. **Int J Cancer** 1984 Aug 15;34(2):269–76

Detection of antibody made in rabbits to the C3HBA adenocarcinoma of mice using a Protein-A binding assay. Saha GB, et al. **Int J Nucl Med Biol** 1983;10(4):227–9

Antineuroblastoma antibodies in systemic lupus erythematosus. Danon YL, et al. **Isr J Med Sci** 1984 Aug; 20(8):720–1

Immunopathology of vitiligo vulgaris, Sutton's leukoderma and melanoma-associated vitiligo in relation to steroid effects. I. Circulating antibodies for cultured melanoma cells. Takei M, et al. **J Cutan Pathol** 1984 Apr;11(2):107–13

Use of dextran and post-primary antibody fixation in immunoperoxidase staining of fresh frozen tissue. Detection of immunoglobulin associated with squamous carcinomas of the head and neck. Pankow ML, et al. **J Histochem Cytochem** 1984 Jul;32(7):771–7

'In vivo' anti-hCG antibodies and Yoshida's tumor development. Mangano A, et al. **J Immunopharmacol** 1983; 5(4):359–70

Microcytotoxicity blocking assay for the detection and isolation of soluble astrocytoma association antigen. Potter VP, et al. **J Surg Oncol** 1984 Jul;26(3):188–93

Shared idiotypes among surface immunoglobulins in non-Hodgkin's lymphoma [letter] Rankin EM, et al. **N Engl J Med** 1984 Aug 16;311(7):470–1

Antibodies to human squamous cell carcinoma. Carey TE, et al. **Otolaryngol Head Neck Surg** 1983 Oct;91(5):482–91

Circulating antibody to prostate antigen in patients with prostate cancer. Chu TM, et al. **Transplant Proc** 1984 Apr; 16(2):481–5

[Binding of IgG and IgM class antibodies from the serum of patients with ovarian carcinoma to malignant and normal ovaries] Stankuš P, et al. **Cesk Gynekol** 1983 Jun; 48(5):332–8 (Eng. Abstr.) **(Cze)**

[Presence of anti-HTLV (human T-cell leukemia virus) antibodies in blood donors from Martinique] de Thé G, et al. **C R Seances Acad Sci [III]** 1983;297(4):195–7 (Eng. Abstr.) **(Fre)**

[Autoimmunity in patients with bronchogenic carcinomas: occurrence of antibodies against nuclear antigens, chromosomes and ds-deoxyribonucleic acid] Dellen H, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Sep; 177(6):451–68 (Eng. Abstr.) **(Ger)**

[Analysis of natural anti-tumor antibody carrying a cross-reactive idiotype in the rat] Natori T. **Hokkaido Igaku Zasshi** 1983 Jul;58(4):420–8 (Eng. Abstr.) **(Jpn)**

[A new serological diagnostic method for malignant ovarian tumors of germ cell origin. Detection of antibodies to large glycopeptides isolated from F9 cells] Higaki K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1983 Dec; 35(12):2274–82 (Eng. Abstr.) **(Jpn)**

[Adult T-cell leukemia. 1. Detection of anti-ATLA (ATL-associated antigens) antibody in patients with various diseases and healthy controls, with special reference the relation to blood transfusion] Fujishita M. **Rinsho Ketsueki** 1983 Feb;24(2):111–8 (Eng. Abstr.) **(Jpn)**

BIOSYNTHESIS

An investigation of cellular components released from human renal cancer and foetal kidney xenografts in nude mice (nu/nu) by cross-immunization of hairy littermate relatives. Matthews PN, et al. **Br J Cancer** 1984 Feb;49(2):193–8

The effect of vitamin B6 deficiency on cytotoxic immune responses of T cells, antibodies, and natural killer cells, and phagocytosis by macrophages. Ha C, et al. **Cell Immunol** 1984 May;85(2):318–29

Production of antibody to human osteosarcoma associated antigens by continuous human lymphoblastoid cell lines. Tsang KY, et al. **Immunol Lett** 1984;7(5):267–72

An experimental immunocytoma model in /LOU/M/Ws1 X CFY/F1 rats: neoplastic cells as targets of the host's immune apparatus. Puskás E, et al. **Immunology** 1984 Jul; 52(3):547–54

In vivo and in vitro production and detection of monoclonal antibodies to surface components on metastatic variants of murine tumor cells. Miner KM, et al. **Invasion Metastasis** 1981;1(3):158–74

Comparison of approaches for augmenting the serologic response to the individually specific methylcholanthrene-induced sarcoma-Meth A: pretreatment with cyclophosphamide is most effective. Livingston PO, et al. **J Immunol** 1983 Nov;131(5):2601–5

Generation of antibody activity from immunoglobulin polypeptide chains produced in Escherichia coli. Cabilly S, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(11):3273–7

IMMUNOLOGY

Thymocytolytic autoantibodies elicited by immunization of mice with chemically-induced sarcoma and leukemia cells. Merino F. **Acta Cient Venez** 1982;33(5):402–5

Molecular aspects of immunoglobulin expression by human B cell leukemias and lymphomas. Gordon J. **Adv Cancer Res** 1984;41:71–154 (228 ref.)

Idiotype network interactions in tumor immunity. Schreiber H. **Adv Cancer Res** 1984;41:291–321 (185 ref.)

Immune complexes in human malignant tumours. A review. Segal-Eiras A, et al. **Allergol Immunopathol (Madr)** 1984 May-Jun;12(3):225–32 (56 ref.)

Melanoma antibodies: specificity and interaction with melanoma and cytotoxic T-cells. Dippold WG, et al. **Behring Inst Mitt** 1984 May;(74):14–8

Liposomes as aids to tumour detection. Barratt GM, et al. **Biochem Soc Trans** 1984 Apr;12(2):348–9

A chlorambucil-anti-CEA conjugate cytotoxic for human colon adenocarcinoma cells in vitro. Bernier LG, et al. **Br J Cancer** 1984 Feb;49(2):245–6

B16 melanoma development, NK activity cytostasis and natural antibodies in 3 and 12 month old mice. Ehrlich R, et al. **Br J Cancer** 1984 Jun;49(6):769–77

Antigenicity and drug susceptibility of human osteogenic sarcoma cells 'escaping' a cytotoxic methotrexate-albumin-monoclonal antibody conjugate. Embleton MJ, et al. **Br J Cancer** 1984 May;49(5):559–65

Mechanisms of tumour cell escape encountered in treating lymphocytic leukaemia with anti-idiotypic antibody. Gordon J, et al. **Br J Cancer** 1984 May;49(5):547–57

Tumour and cellular localization by use of monoclonal and polyclonal antibodies to placental alkaline phosphatase. Jeppsson A, et al. **Br J Cancer** 1984 Feb;49(2):123–8

Monoclonal antibodies for the histopathological diagnosis of cervical neoplasia. Jha RS, et al. **Br J Obstet Gynaecol** 1984 May;91(5):483–8

Production and characterization of monoclonal antibodies against human malignant melanoma. Herlyn M, et al. **Cancer Invest** 1983;1(3):215–24

Enhancement of macrophage invasion of tumors by administration of chemotactic factor-antitumor antibody conjugates. Obrist R, et al. **Cell Immunol** 1983 Oct 1; 81(1):169–74

Monoclonal antibodies reactive with glioma cell lines derived from experimental brain tumors. Stavrou D, et al. **Eur J Cancer Clin Oncol** 1983 Oct;19(10):1439–49

A monoclonal antibody to myelogenous leukemia: isolation and characterization. Malcolm AJ, et al. **Exp Hematol** 1984 Aug;12(7):539–47

Characterization of a murine monoclonal antibody specific for human early lymphohemopoietic cells. Malavasi F, et al. **Hum Immunol** 1984 Jan;9(1):9–20

In vivo and in vitro binding of iodinated monoclonal antibody A2B5 to RIN insulinoma cells. Shimizu K, et al. **Hybridoma** 1983;2(1):69–77

Hypothesis: macrophages as effector cells for human tumor destruction mediated by monoclonal antibody. Steplewski Z, et al. **Hybridoma** 1983;2(1):1–5

Presence of a specific immune complex in the cell-free ascites of a spontaneously metastasizing rat mammary adenocarcinoma, TMT-081. Ghosh SK, et al. **Immunol Commun** 1984;13(1):63–76

Variant generation and selection: an in vitro model of tumor progression. Chow DA. **Int J Cancer** 1984 Apr 15; 33(4):541–5

The dose-response curve in tumor-immunity. Prehn RT. **Int J Immunopharmacol** 1983;5(4):255–7

Evaluation of the Ca 1 antibody in the diagnosis of invasive breast cancer. Clough DG, et al. **J Clin Pathol** 1984 Jan; 37(1):10–3

Antibody probes in diagnosis and classification of lymphomas. Jones EL. **J Pathol** 1983 Nov;141(3):259–86 (60 ref.)

The use of monoclonal antibodies for the diagnosis of intracranial malignancies and the small round cell tumours of childhood. Kemshead JT, et al. **J Pathol** 1983 Nov; 141(3):249–57

Syngeneic antiserum to Nulli SCC1 embryonal carcinoma cells recognizing surface antigens of embryonic cells. Hahnel AC, et al. **J Reprod Immunol** 1983 Nov;5(6):371–82

Murine hybridoma antibodies against human transitional carcinoma-associated antigens. Messing EM, et al. **J Urol** 1984 Jul;132(1):167–72

A monoclonal antibody reactive with normal and leukemic human myeloid progenitor cells. Griffin JD, et al. **Leuk Res** 1984;8(4):521–34

Neutron-capture therapy of human cancer: in vivo results on tumor localization of boron-10-labeled antibodies to carcinoembryonic antigen in the GW-39 tumor model system. Goldenberg DM, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(2):560–3

Induction of immunity to a human tumor marker by in vivo administration of anti-idiotypic antibodies in mice. Nepom GT, et al. **Proc Natl Acad Sci USA** 1984 May;81(9):2864–7

Antibodies to human c-myc oncogene product: evidence of an evolutionarily conserved protein induced during cell proliferation. Persson H, et al. **Science** 1984 Aug 17; 225(4663):687–93

The role of anti-tumor antibody in progressive tumor growth. Manson LA. **Transplant Proc** 1984 Apr;16(2):524–7

Cold agglutinin Vo. An IgM lambda monoclonal human antibody recognizing a sialic acid determined antigen fully expressed on newborn erythrocytes. Roelcke D, et al. **Vox Sang** 1984;47(3):236–41

[Basement membranes of epithelial tumors of the ovary. Histochemical and immunohistochemical study using antibodies to collagen IV, III, I and to laminin] Frappart L, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1984; 13(2):117–23 (Eng. Abstr.) **(Fre)**

[Immunological analysis of melanoma specific antigen. II. Inhibition of killer T cell activity by anti-melanoma

antibody and anti-H-2b antibody] Wakabayashi S, et al. **Nippon Hifuka Gakkai Zasshi** 1984 Feb;94(2):143–9 **(Jpn)**

[Autoimmune response in the serum of patients with cerebral gliomas] González C, et al. **Rev Clin Esp** 1984 Apr 15; 173(1):45–7 (Eng. Abstr.) **(Spa)**

ISOLATION & PURIFICATION

Augmentation of autologous antibody to human melanoma following acid dissociation and ultrafiltration of serum. Kirkwood JM, et al. **Cancer Res** 1984 Sep;44(9):4177–82

Immunoperoxidase staining on frozen tissue sections as a first screening assay in the preparation of monoclonal antibodies directed against small cell carcinoma of the lung. de Leij L, et al. **Eur J Cancer Clin Oncol** 1984 Jan;20(1):123–8

Direct binding of radioiodinated monoclonal antibody to tumor cells: significance of antibody purity and affinity for drug targeting or tumor imaging. Kennel SJ, et al. **Hybridoma** 1983;2(3):297–310

Antibody producing human-human hybridomas. II. Derivation and characterization of an antibody specific for human leukemia cells. Olsson L, et al. **J Exp Med** 1984 Feb 1;159(2):537–50

PHYSIOLOGY

Antibodies against osteosarcoma and colon cancer. Embleton MJ, et al. **Behring Inst Mitt** 1984 May;(74):35–8

Uptake of methotrexate linked to an anti-EL4-lymphoma antibody by EL4 cells. Uadia P, et al. **Cancer Immunol Immunother** 1983;16(2):127–9

Clearance of antibodies from rat sarcoma cell surfaces. Rate of clearance of alloantibodies depends on antibody isotype. Hobbs SM, et al. **Immunology** 1983 Dec;50(4):565–73

Antibodies against urinary light chain idiotypes as agents for detection and destruction of human neoplastic B lymphocytes. Tutt AL, et al. **J Immunol** 1983 Dec; 131(6):3058–63

THERAPEUTIC USE

[The effect of anti-human AFP serum for AFP producing stomach cancer xenotransplanted nude mice] Takahashi Y, et al. **Gan To Kagaku Ryoho** 1984 Apr;11(4):894–901 (Eng. Abstr.) **(Jpn)**

ANTIBODIES, VIRAL

Antibodies to synthetic peptides targeted to the transforming genes of human adenoviruses: an approach to understanding early viral gene function. Green M, et al. **Curr Top Microbiol Immunol** 1984;109:167–92

Antibodies against a preselected peptide recognize and neutralize foot and mouth disease virus. Pfaff E, et al. **EMBO J** 1982;1(7):869–74

Follow-up studies on Epstein-Barr virus IgA/VCA antibody-positive persons in Zangwu County, China. Zeng Y, et al. **Intervirology** 1983;20(4):190–4

Transfer of viral antibodies from mother to infant. Gotlieb-Stematsky T, et al. **Isr J Med Sci** 1983 Nov; 19(11):984–6

In vitro growth inhibition of murine leukemia cells by antibody specific for the major envelope glycoprotein (gp71) of Friend leukemia virus. Genovesi EV, et al. **J Cell Physiol** 1983 Nov;117(2):215–29

Comparison of monoclonal and polyclonal antibody for confirmation of cytomegalovirus isolates by fluorescent staining. Fiacco V, et al. **J Clin Microbiol** 1984 Jun; 19(6):928–30

Common features of the yes and src gene products defined by peptide-specific antibodies. Gentry LE, et al. **J Virol** 1984 Aug;51(2):539–46

Antigenic characterization of influenza A virus matrix protein with monoclonal antibodies. van Wyke KL, et al. **J Virol** 1984 Jan;49(1):248–52

Antibodies to a synthetic oligopeptide that react with herpes simplex virus type 1 and 2 glycoprotein C. Zweig M, et al. **J Virol** 1984 Aug;51(2):430–6

Antibody-induced modulation of proteins in vesicular stomatitis virus-infected fibroblasts. O'Rourke EJ, et al. **Mol Cell Biol** 1983 Sep;3(9):1580–8

[Initial experiences with a miniaturized solid phase fluorescence immunoassay] Pabst F, et al. **Z Med Lab Diagn** 1983;24(8):433–7 (Eng. Abstr.) **(Ger)**

ADMINISTRATION & DOSAGE

Protection of Lassa virus-infected guinea pigs with Lassa-immune plasma of guinea pig, primate, and human origin. Jahrling PB. **J Med Virol** 1983;12(2):93–102

Modulation of hepatitis B infection by intravenous application of an immunoglobulin preparation that contains antibodies to hepatitis B e and core antigens but not to hepatitis B surface antigen. Stephan W, et al. **J Virol** 1984 Aug;51(2):420–4

Importance of dose of neutralising antibodies in treatment of Argentine haemorrhagic fever with immune plasma. Enria DA, et al. **Lancet** 1984 Aug 4;2(8397):255–6

Hyperimmune immunoglobulin therapy for cytomegalovirus infections in renal transplant patients. Brown CB, et al. **Proc Eur Dial Transplant Assoc** 1983;20:271–9

Properties of mouse leukemia viruses. XIX. Effective antibody therapy of AKR leukemia occurs independently of virus neutralization and produces long-term changes in the virus status of the thymus. Weinhold KJ, et al. **Virology** 1984 May;135(1):105–17

ANALYSIS

Hepatitis a virus antibody in chronic diffuse liver disease. Dávid K, et al. **Acta Med Hung** 1983;40(2–3):147–53

Antibodies to Coronavirus OC 43 strain in the population of North-Eastern Hungary. Lehel F, et al. **Acta Microbiol Hung** 1983;30(2):163–6

The diagnostic value of varicella-zoster virus (VZV)-specific antibodies in the early phase of varicella in immunocompromized children. Nyerges G, et al. **Acta Microbiol Hung** 1983;30(3–4):211–5

Enzyme-linked immunosorbent assay for detection of antibodies to Epstein-Barr virus antigens. Voevodin AF, et al. **Acta Microbiol Hung** 1983;30(2):125–9

Antibodies to herpes simplex and Epstein-Barr viruses in Faroese children: association with sibship size, height and age. Isager H, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1983 Oct; 91(5):339–41

Lifestyle and antiviral antibody studies among homosexual men in Denmark. Melbye M, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1983 Oct; 91(5):357–64

Prevalence of cytomegalovirus antibodies in Norwegian kidney-transplant recipients and their living donors. A comparative study of two different methods. Skar AG, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1984 Feb; 92(1):1–5

Serological survey on rotaviral antibody in the Hungarian swine population by optimized counter-current immuno-electrophoresis (CCIEP). Mocsári E, et al. **Acta Vet Acad Sci Hung** 1982;30(1–3):59–64

Indirect solid-phase immunosorbent assay for detection of arenavirus antigens and antibodies. Ivanov AP, et al. **Acta Virol (Praha)** 1984 May;28(3):240–5

Radial haemolysis in gel for detection of antibodies to bunyavirus Lednice (Turlock group). Málková D, et al. **Acta Virol (Praha)** 1983 Sep;27(5):439–41

Antibodies to Epstein-Barr virus in nasopharyngeal carcinoma, tonsillar carcinoma and control groups. Oberender H, et al. **Acta Virol (Praha)** 1983 May; 27(3):277–81

Studies on the specificity of human antibodies reacting with GP70 and P15 antigens of baboon endogenous (BaEV) and gibbon ape leukaemia (GaLV) viruses. Tóth FD, et al. **Acta Virol (Praha)** 1984 May;28(3):191–7

Cytomegalovirus infection and Alzheimer's disease. Renvoize EB, et al. **Age Ageing** 1984 Jul;13(4):205–9

Antibodies against influenza and stimulated macrophages in the lung lavage fluid of mice following oral immunization. Bergmann KC, et al. **Allerg Immunol (Leipz)** 1983; 29(4):215–22

Evaluation of assays for the detection of antibodies to rubella. A report based on data from the College of American Pathologists Surveys of 1982. Skendzel LP, et al. **Am J Clin Pathol** 1983 Oct;80(4 Suppl):594–8

Trivalent, inactivated influenza virus vaccine in children with sickle cell disease. Glezen WP, et al. **Am J Dis Child** 1983 Nov;137(11):1095–7

Varicella-zoster antibody titers in children with leukemia and lymphoma. Relationship of titer to varicella-zoster infection. Hutter JJ Jr, et al. **Am J Dis Child** 1984 Jan; 138(1):56–9

Susceptibility to varicella virus of certain adults in the southeastern United States. Hyams PJ, et al. **Am J Infect Control** 1984 Feb;12(1):6–9

Ebola virus infection in man: a serological and epidemiological survey in the Cameroons. Bouree P, et al. **Am J Trop Med Hyg** 1983 Nov;32(6):1465–6

The house sparrow (Passer domesticus) as a sentinel for St. Louis encephalitis virus. McLean RG, et al. **Am J Trop Med Hyg** 1983 Sep;32(5):1120–9

Prevalence of bovine herpesvirus-1, bovine viral diarrhea, parainfluenza-3, goat respiratory syncytial, bovine leukemia, and bluetongue viral antibodies in sheep. Brako EE, et al. **Am J Vet Res** 1984 Apr;45(4):813–6

Detection of equine herpesvirus-1 antigen and the specific antibody by enzyme-linked immunosorbent assay. Dutta SK, et al. **Am J Vet Res** 1983 Oct;44(10):1930–4

Prevalence of antibodies to bovine respiratory syncytial virus, bovine viral diarrhea virus, bovine herpesvirus-1, and bovine parainfluenza-3 virus in sheep and goats in Quebec. Elazhary MA, et al. **Am J Vet Res** 1984 Aug;45(8):1660–2

Enzyme-linked immunosorbent assay for serum antibody to bovine respiratory syncytial virus: comparison with complement-fixation and neutralization tests. Gillette KG. **Am J Vet Res** 1983 Dec;44(12):2251–5

Course of feline leukemia virus infection and its detection by enzyme-linked immunosorbent assay and monoclonal antibodies. Lutz H, et al. **Am J Vet Res** 1983 Nov; 44(11):2054–9

Systemic and local intestinal antibody response in dogs given both infective and inactivated canine parvovirus. Nara PL, et al. **Am J Vet Res** 1983 Nov;44(11):1989–95

Enzyme-linked immunosorbent assay for detection of transmissible gastroenteritis virus antibody in swine sera. Nelson LD, et al. **Am J Vet Res** 1984 Aug;45(8):1654–7

Persistence of passively acquired antibodies to hemagglutinating encephalomyelitis virus in swine. Paul PS, et al. **Am J Vet Res** 1984 May;45(5):932–4

Enzyme-linked immunosorbent assay for detection of equine infectious anemia antibody to purified P26 viral protein. Shen DT, et al. **Am J Vet Res** 1984 Aug;45(8):1542–3

Antibody to human T-cell leukemia virus membrane antigens, beta 2-microglobulin levels, and thymosin alpha 1 levels in hemophiliacs and their spouses. Kreiss JK, et al. **Ann Intern Med** 1984 Feb;100(2):178–82

Unnecessary prophylaxis for phantom hepatitis [letter] Stricof RL, et al. **Ann Intern Med** 1983 Nov;99(5):738–9

Hepatitis A virus immunoglobulin M antibody in acute neurological disease. Bosch VV, et al. **Ann Neurol** 1983 Dec;14(6):685–7

Secretory immunoglobulin A antibodies to respiratory viruses in middle ear effusion of chronic otitis media with effusion. Yamaguchi T, et al. **Ann Otol Rhinol Laryngol** 1984 Jan-Feb;93(1 Pt 1):73–5

Antibodies presumably cross-reacting with mouse retrovirus type B and C in the sera of both leukemia-lymphoma and mammary cancer patients. Segal-Eiras A, et al. **Arch Geschwulstforsch** 1983;53(4):321–7

Antibodies against herpesviruses in patients with Hodgkin's disease. Wutzler P, et al. **Arch Geschwulstforsch** 1983; 53(5):417–22

Widespread occurrence in mammals of antibodies reactive to intracytoplasmic A particles of the mouse mammary tumor virus. Zotter S. **Arch Geschwulstforsch** 1983; 53(4):315–9

Antibodies to herpes simplex type 1 in patients with active duodenal ulcer. Rand KH, et al. **Arch Intern Med** 1983 Oct;143(10):1917–20

Epstein-Barr virus antibody titers in cancer of the head and neck. Callaghan DJ, et al. **Arch Otolaryngol** 1983 Dec; 109(12):781–4

The capsid antigen of Epstein-Barr virus in nasopharyngeal carcinomas: comparison of serum antibody titre, cellular antigen content and histopathology. Falser N. **Arch Otorhinolaryngol** 1984;239(1):15–23

Measles maternal antibodies in infants. Biberi-Moroeanu S, et al. **Arch Roum Pathol Exp Microbiol** 1983 Apr-Sep; 42(2-3):227–32

Use of capillary blood specimens for testing measles HI antibody. Biberi-Moroeanu S, et al. **Arch Roum Pathol Exp Microbiol** 1983 Oct-Dec; 42(4):317–9

Detection of human antibody to influenza C virus by hemagglutination inhibition and single radial haemolysis tests. Crețescu L, et al. **Arch Roum Pathol Exp Microbiol** 1983 Oct-Dec; 42(4):313–6

Antibodies to cytomegalovirus-induced pre-early nuclear antigen in the anticomplement-immunofluorescent test in comparison to IgG and IgM antibodies in the indirect and direct enzyme-linked immunosorbent assay in diagnosing cytomegalovirus infections. Gärtner L, et al. **Arch Virol** 1984;80(4):305–13

Application of a solid-phase immunofluorometric assay to the selection of monoclonal antibody specific for the adenovirus group-reactive hexon antigen. Hierholzer JC, et al. **Arch Virol** 1984;80(1):1–10

Hemolysis-inhibition test for detection of rubella antibody. Kobayashi N, et al. **Arch Virol** 1983;78(3–4):293–8

Detection of antibodies to strain-specific and cross-reactive antigenic determinants on the haemagglutinin of influenza viruses A/Texas/1/77 and A/Bangkok/1/79 in human sera. Brief report. Mancini G, et al. **Arch Virol** 1984; 79(1–2):117–21

Antibodies to the HFRS virus in the human population of European RSFSR as detected by radioimmunoassay. Myasnikov YuA, et al. **Arch Virol** 1984;79(1–2):109–15

Serotype determination of human rotavirus isolates and antibody prevalence in pediatric population in Hokkaido, Japan. Urasawa S, et al. **Arch Virol** 1984;81(1–2):1–12

Primary antibody responses of herons to experimental infection with Murray Valley encephalitis and Kunjin viruses. Boyle DB, et al. **Aust J Exp Biol Med Sci** 1983 Dec;61 (Pt 6):665–74

The immune status of Singapore children to hepatitis B virus. Quak SH, et al. **Aust Paediatr J** 1983 Jun;19(2):100–3

A serological survey for neutralising antibodies to bovid herpesvirus 2 in cattle in Australia. St George TD. **Aust Vet J** 1983 Jun;60(6):187–9

Evaluation of a gel diffusion precipitin test for porcine parvovirus. Too HL, et al. **Aust Vet J** 1983 Jun;60(6):161–5

Duration of excretion of virulent Newcastle disease virus following challenge of chickens with different titres of serum antibody to the virus. Westbury HA, et al. **Aust Vet J** 1984 Feb;61(2):44–6

Inclusion body disease of cranes: a serological follow-up to the 1978 die-off. Docherty DE, et al. **Avian Dis** 1983 Jul-Sep;27(3):830–5

Enzyme-linked immunosorbent assay for detection of antibody to avian encephalomyelitis virus in chickens. Garrett JK, et al. **Avian Dis** 1984 Jan-Mar;28(1):117–30

Comparison of the hemagglutination-inhibition test with the constant-virus diluting-serum microneutralization test for detecting antibody to avian infectious bronchitis virus. Hatcher JA, et al. **Avian Dis** 1983 Oct-Dec;27(4):1157–61

Prevalence of antibodies to infectious bursal disease virus serotypes I and II in 75 Ohio chicken flocks. Jackwood DJ, et al. **Avian Dis** 1983 Jul-Sep;27(3):850–4

Comparison of whole blood dried on filter paper and serum for measurement of the temporal antibody response to avian

infectious bronchitis virus by enzyme-linked immunosorbent assay. Lana DP, et al. **Avian Dis** 1983 Jul-Sep;27(3):813-21

Rapid serological profiling by enzyme-linked immunosorbent assay. III. Simultaneous measurements of antibody titers to infectious bronchitis, infectious bursal disease, and Newcastle disease viruses in a single serum dilution. Snyder DB, et al. **Avian Dis** 1984 Jan-Mar;28(1):12-24

Neutralizing antibody responses to Japanese encephalitis vaccine in children. Juang RF, et al. **Biken J** 1983 Mar; 26(1):25-34

Serological studies on volunteers inoculated experimentally with a dengue virus strain in 1943. Okuno Y, et al. **Biken J** 1983 Dec;26(4):161-3

Retrospective serological studies on dengue epidemics in Osaka and Okinawa. Tadano M, et al. **Biken J** 1983 Dec; 26(4):165-7

Enhanced luminescent enzyme immunoassays for rubella antibody, immunoglobulin E and digoxin. Thorpe GH, et al. **Biochem Biophys Res Commun** 1984 Mar 15;119(2):481-7

ELISA antibodies to cytomegalovirus in pregnant patients: prevalence in and correlation with spontaneous abortion. Luerti M, et al. **Biol Res Pregnancy Perinatol** 1983; 4(4):181-3

Serum anti-EBV IgA is inversely related to tumor infiltration by surface IgA positive lymphocytes in nasopharyngeal carcinoma. Gunvén P, et al. **Biomed Pharmacother** 1983; 37(1):41-4

X-linked lymphoproliferative syndrome: abnormal antibody responses to bacteriophage phi X 174. Ochs HD, et al. **Birth Defects** 1983;19(3):321-3

Is pregnancy immunosuppressive? Humoral immunity against viruses. Baboonian C, et al. **Br J Obstet Gynaecol** 1983 Dec;90(12):1168-75

Antibodies to cytomegalovirus in homosexual and heterosexual men attending an STD clinic. Mindel A, et al. **Br J Vener Dis** 1984 Jun;60(3):189-92

Seroepidemiology of HTLV-III antibody in Danish homosexual men: prevalence, transmission, and disease outcome. Melbye M, et al. **Br Med J [Clin Res]** 1984 Sep 8;289(6445):573-5

Persistence of rubella antibody 8-18 years after vaccination. O'Shea S, et al. **Br Med J [Clin Res]** 1984 Apr 7; 288(6423):1043

Genetic resistance to Leukosis virus infection: effects on mortality and egg production in Leghorn hens. Hartmann W, et al. **Br Poult Sci** 1984 Jan;25(1):43-52

Studies on viral interference induced by rinderpest virus: 4. Induction of circulating interferon and antibodies in buffaloes following inoculation with tissue culture rinderpest vaccine (TCRV) virus. Hussain SF, et al. **Bull Anim Health Prod Afr** 1982 Mar;30(1):7-10

Detection by ELISA of IgM antibodies to Ross River virus in serum from patients with suspected epidemic polyarthritis. Oseni RA, et al. **Bull WHO** 1983;61(4):703-8

Experimental rabies in skunks: effects of immunosuppression induced by cyclophosphamide. Charlton KM, et al. **Can J Comp Med** 1984 Jan;48(1):72-7

Syncytium-induction inhibition test with complement for detection of antibodies against bovine leukemia virus. Kono Y, et al. **Can J Comp Med** 1983 Jul;47(3):328-31

Presence of antibodies to bovine viral diarrhea-mucosal disease virus (border disease) in sheep and goat flocks in Quebec. Lamontagne L, et al. **Can J Comp Med** 1984 Apr; 48(2):225-7

Development of an immunoelectroosmophoresis test for the detection and typing of antibodies to vesicular stomatitis viruses. Wilks CR, et al. **Can J Comp Med** 1984 Apr; 48(2):179-83

Comparison of a modified counterimmunoelectrophoresis test and a microimmunodiffusion test for detection of pseudorabies virus antibodies in porcine sera. Williams PP, et al. **Can J Comp Med** 1984 Jan;48(1):92-6

Detection of human T-cell leukemia virus antibodies in a Japanese T-cell leukemia patient with hypercalcemia. Nakao Y, et al. **Cancer** 1984 Jul 15;54(2):259-65

Titers of Epstein-Barr virus-related antibodies in nasopharyngeal carcinoma in Japan. Tamada A, et al. **Cancer** 1984 Feb 1;53(3):430-40

Correlation between immune complexes and herpes simplex virus (HSV)-tumor associated antigen (TAA) in human cancer sera. Cocchiara R, et al. **Cell Mol Biol** 1983; 29(5):397-403

Production of hybrid cell lines secreting monoclonal antibodies against poliovirus Type 2. Guo R, et al. **Chin Med J [Engl]** 1983 Sep;96(9):669-74

Clinical significance of neuraminidase, T-antigen and T-antibody determination. Zhang YQ, et al. **Chin Med J [Engl]** 1983 Jul;96(7):536-8

A question of rubella immunity [letter] Pizzolante JM, et al. **Clin Chem** 1984 Feb;30(2):343

Protein-enhanced fluorescein chemiluminescence used in an immunoassay for rubella antibody in serum. Shapiro R, et al. **Clin Chem** 1984 Jun;30(6):889-93

Association of anti-heart antibodies and circulating immune complexes in the post-pericardiotomy syndrome. De Scheerder I, et al. **Clin Exp Immunol** 1984 Aug;57(2):423-8

Evidence in patients with systemic lupus erythematosus of the presence of antibodies against RNA-dependent DNA polymerase of baboon endogenous virus. Okamoto T, et al. **Clin Exp Immunol** 1983 Dec;54(3):747-55

Neonatal cytomegalovirus infections: the relative role of neonatal blood transfusion and maternal exposure. Rawls WE, et al. **Clin Invest Med** 1984;7(1):13-9

Hepatitis B vaccine: randomized trial of immunogenicity in hemodialysis patients. Benhamou E, et al. **Clin Nephrol** 1984 Mar;21(3):143-7

Herpesvirus type 1 serum antibodies and brain tumors in humans. Hadfield MG, et al. **Clin Neuropathol** 1984 Mar-Apr;3(2):68-71

Neutralising antibodies to lumpy skin disease virus in African wildlife. Hedger RS, et al. **Comp Immunol Microbiol Infect Dis** 1983;6(3):209-13

Serological survey of adenovirus antibodies in domestic animals in Nigeria. Obi TU, et al. **Comp Immunol Microbiol Infect Dis** 1984;7(1):63-8

Prevalence of antibody to rotavirus in Moroccan cattle. Schwers A, et al. **Comp Immunol Microbiol Infect Dis** 1984; 7(1):69-73

The selection of Danish blood donors according to sex and age in order to secure adequate content of immunoglobulin against hepatitis A and B in pooled plasma. Sørensen PG, et al. **Dan Med Bull** 1983 Nov;30(6):421-4

An enzyme-linked immunosorbent assay for the detection of hepatitis non-A, non-B antigen and antibody. Duermeyer W, et al. **Dev Biol Stand** 1983;54:475-82

Standardization of the antibody to hepatitis A virus (anti-HAV) content of immunoglobulin. Gerety RJ, et al. **Dev Biol Stand** 1983;54:411-6

Rapid diagnosis of measles using enzyme-linked immunosorbent assay for measles immunoglobulin M. Kleiman MB, et al. **Diagn Microbiol Infect Dis** 1983 Sep; 1(3):205-13

Sera from irradiated rats contain antibodies to a ubiquitous tumour-associated antigen. Bentvelzen P, et al. **Eur J Cancer Clin Oncol** 1983 Sep;19(9):1255-63

Antibody response of patas monkeys to experimental infection with Delta herpesvirus [letter] Achilli G, et al. **Eur J Clin Microbiol** 1984 Apr;3(2):158-9

Presence of viral antibodies to the human lymphoma-leukemia virus in patients with acquired immune deficiency syndrome. Born M, et al. **Eur J Clin Microbiol** 1984 Feb;3(1):77-8

Persistence of immunoglobulin M antibody to hepatitis A virus and relapse of hepatitis A infection. Cornu C, et al. **Eur J Clin Microbiol** 1984 Feb;3(1):45-6

Subcellular fractions in rubella immunoassays. Tuokko H, et al. **Eur J Clin Microbiol** 1984 Feb;3(1):19-24

Neutralizing antibodies against Coxsackie B viruses in patients with recent onset of type I diabetes. Mertens T, et al. **Eur J Pediatr** 1983 Sep;140(4):293-4

Immunological investigation of the prelymphoma period in baboons of the Sukhumi monkey stock. Lapin BA, et al. **Exp Pathol** 1983;24(2-3):91-6

Immunological and microbiological studies of midtrimester amniotic fluid. Davis LE, et al. **Gynecol Obstet Invest** 1983; 16(5):261-8

RIA evaluation of antibody levels in neonates from HBsAg-positive mothers after active, passive, and combined immunoprophylaxis. Scaravelli C, et al. **Gynecol Obstet Invest** 1984;17(4):208-12

Prevalence of antibodies to herpes simplex virus and frequency of HLA antigens in patients with preinvasive and invasive cervical cancer. Vass-Sørensen M, et al. **Gynecol Oncol** 1984 Jul;18(3):349-58

Role of antibody in in vitro stimulation of lymphocytes. Kapoor AK, et al. **Indian J Exp Biol** 1983 Nov;21(11):583-4

Prevalence and titres of neutralising antibodies to group B coxsackieviruses. Mukundan P, et al. **Indian J Med Res** 1983 May;77:577-89

Herpes simplex virus antibody in south Indian patients with carcinoma cervix. Seshadri L, et al. **Indian J Med Res** 1984 Jan;79:13-8

Rubella antibody detection by single radial haemolysis-in-gel (SRHG) and haemagglutination—inhibition (HAI) techniques. Raveendranath M, et al. **Indian J Pathol Microbiol** 1983 Jan;26(1):21-5

Anti-HAV IgM in Indian childhood cirrhosis [letter] Koshy A, et al. **Indian Pediatr** 1983 Apr;20(4):312

Clinical and serological evaluation of live measles vaccine in India. Phadke MA, et al. **Indian Pediatr** 1983 Aug; 20(8):573-6

Prevalence of neutralizing antibodies against polioviruses in unvaccinated children. Shukla I, et al. **Indian Pediatr** 1983 Jul;20(7):517-20

Virus-specific antibody activity of different subclasses of immunoglobulins G and A in cytomegalovirus infections. Linde GA, et al. **Infect Immun** 1983 Oct;42(1):237-44

Response of mice to rotaviruses of bovine or primate origin assessed by radioimmunoassay, radioimmunoprecipitation, and plaque reduction neutralization. Offit PA, et al. **Infect Immun** 1983 Oct;42(1):293-300

Immunoglobulin classes of Aleutian disease virus antibody. Porter DD, et al. **Infect Immun** 1984 Feb;43(2):463-6

Increased serum levels of antibodies to Epstein-Barr virus in adults with history of atopic dermatitis. Rystedt I, et al. **Int Arch Allergy Appl Immunol** 1984;75(2):179-83

Type-I HTLV antibody in urban and rural Ghana, West Africa. Biggar RJ, et al. **Int J Cancer** 1984 Aug 15; 34(2):215-9

A population-based case-control study of EBV and other viral antibodies among persons with Hodgkin's disease and their siblings. Evans AS, et al. **Int J Cancer** 1984 Aug 15; 34(2):149-57

Human T-cell leukemia virus (HTLV) in the United Kingdom. Greaves MF, et al. **Int J Cancer** 1984 Jun 15; 33(6):795-806

Prevalence of antibody to adult T-cell leukemia virus-associated antigens (ATLA) in Japanese monkeys and other non-human primates. Hayami M, et al. **Int J Cancer** 1984 Feb 15;33(2):179-83

Epstein-Barr virus-associated antibody pattern in untreated non-Hodgkin lymphoma patients. Relationship to clinical variables and lymphocyte functions. Lindemalm C, et al. **Int J Cancer** 1983 Dec 15;32(6):675-82

In vitro antibody-dependent cellular cytotoxicity against human T-cell leukemia/lymphoma virus (HTLV)-producing cells. Miyakoshi H, et al. **Int J Cancer** 1984 Mar 15;33(3):287-91

Transformation of ATLA-negative leukocytes by blood components from anti-ATLA-positive donors in vitro. Miyamoto K, et al. **Int J Cancer** 1984 Jun 15;33(6):721-5

Antibody-dependent cellular cytotoxicity and disease course in North American patients with nasopharyngeal carcinoma: a prospective study. Pearson GR, et al. **Int J Cancer** 1984 Jun 15;33(6):777-82

Prospective study on the relationship between cervical neoplasia and herpes simplex type-2 virus. II. Herpes simplex type-2 antibody presence in sera taken at enrollment. Vonka V, et al. **Int J Cancer** 1984 Jan 15; 33(1):61-6

Serologic diagnosis of nasopharyngeal carcinoma. A double-blind study of four EB virus antibodies with evaluation by sequential discrimination. Cai WM, et al. **Int J Radiat Oncol Biol Phys** 1983 Dec;9(12):1763-8

Prevalence of antibodies to Crimean-haemorrhagic fever-Congo virus in cattle in northern Nigeria. Umoh JU, et al. **Int J Zoonoses** 1983 Dec;10(2):151-4

Clinical and virological observations in childhood Hodgkin's disease in Israel. Bogger-Goren S, et al. **Isr J Med Sci** 1983 Nov;19(11):989-91

Multiple use of one-piece microtitration plates in ELISA (enzyme-linked immunosorbent assay) tests for the detection of cytomegalovirus and rubella virus antibodies. Brauner P, et al. **Isr J Med Sci** 1983 Oct;19(10):885-8

HSV-specific serum/CSF antibody ratio in association with HSV serum IgM antibodies in diagnosis of herpes encephalitis in infants. Elitsur Y, et al. **Isr J Med Sci** 1983 Oct;19(10):943-5

Virus-specific secretory IgA antibodies as a means of rapid diagnosis of measles and mumps infection. Friedman M, et al. **Isr J Med Sci** 1983 Oct;19(10):881-4

Accidental tenfold overdose of influenza vaccine: a clinical and serological study. Matzkin H, et al. **Isr J Med Sci** 1984 May;20(5):411-5

Current problems in human cytomegalovirus diagnosis. Sarov I. **Isr J Med Sci** 1983 Oct;19(10):910-2

Epstein-Barr virus and infectious mononucleosis in children. Tamir D, et al. **Isr J Med Sci** 1983 Oct;19(10):952-4

Serological response to rubella revaccination in adolescent females. Fitzpatrick SB, et al. **J Adolesc Health Care** 1983 Sep;4(3):168-70

Serodiagnosis of western equine encephalitis virus infections: relationships of antibody titer and test to observed onset of clinical illness. Calisher CH, et al. **J Am Vet Med Assoc** 1983 Aug 15;183(4):438-40

Prevalence of antibody to bovine herpesvirus 1 in wild ruminants captive in United States zoos. Doyle LG, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1255-6

Antibody response to a single intradermal booster dose of rabies human diploid cell vaccine. Dreesen DW, et al. **J Am Vet Med Assoc** 1983 Dec 15;183(12):1468-70

Establishment of a bovine leukosis virus-free dairy herd. Kaja RW, et al. **J Am Vet Med Assoc** 1984 Jan 15;184(2):184-5

Regression of cetacean tattoo lesions concurrent with conversion of precipitin antibody against a poxvirus. Smith AW, et al. **J Am Vet Med Assoc** 1983 Dec 1; 183(11):1219-22

Poliovirus and echovirus antibodies in chronic valvular heart disease. Das NK, et al. **J Assoc Physicians India** 1983 Aug; 31(8):509-10

The immunizing effect and reactogenicity of two live attenuated mumps virus vaccines in Swedish schoolchildren. Christenson B, et al. **J Biol Stand** 1983 Oct; 11(4):323-31

The effect on kaolin adsorption of serum on the virus neutralization and enzyme-linked immunosorbent assays of antibody to bovine herpesvirus 1. Darcel CL, et al. **J Biol Stand** 1984 Jan;12(1):87-92

Evaluation of hyperimmune rabies sera by the counterimmunoelectrophoresis test. Díaz AM, et al. **J Biol Stand** 1984 Jan;12(1):61-5

A comparison of enzyme-immunoassay and radioimmunoassay for detection of hepatitis A virus and antibodies against hepatitis A virus. Döller G, et al. **J Biol Stand** 1984 Jan;12(1):47-59

The use of the single radial haemolysis test for assessing antibody response and protective antibody levels in an influenza B vaccine study. Goodeve AC, et al. **J Biol Stand** 1983 Oct;11(4):289-96

The trend of acquired immunity with live poliovirus vaccine and the effect of revaccination: follow-up of vaccinees for ten years. Nishio O, et al. **J Biol Stand** 1984 Jan;12(1):1-10

Detection of antibodies to adult T-cell leukemia (ATL)-associated virus in ATL patients' sera by immunoelectron microscopy. Ohtsuki Y, et al.

J Cancer Res Clin Oncol 1983;106(3):240–3
Effect of acyclovir treatment of primary genital herpes on the antibody response to herpes simplex virus. Ashley RL, et al. J Clin Invest 1984 Mar;73(3):681–8
A longitudinal study of virus antibodies in patients with newly diagnosed type 1 (insulin-dependent) diabetes mellitus. Buschard K, et al. J Clin Lab Immunol 1984 Feb; 13(2):65–70
Sensitive radioimmune assay for measuring Aleutian disease virus antigen and antibody. Aasted B, et al. J Clin Microbiol 1983 Sep;18(3):637–44
Evaluation of murine cytomegalovirus antibody detection by serological techniques. Anderson CA, et al. J Clin Microbiol 1983 Oct;18(4):753–8
Role of recent vaccination in production of false-positive coronavirus antibody titers in cats. Barlough JE, et al. J Clin Microbiol 1984 Mar;19(3):442–5
Estimation of rotavirus immunoglobulin G antibodies in human serum samples by enzyme-linked immunosorbent assay: expression of results as units derived from a standard curve. Bishop RF, et al. J Clin Microbiol 1984 Apr; 19(4):447–52
Immunity to human cytomegalovirus measured and compared by complement fixation, indirect fluorescent-antibody, indirect hemagglutination, and enzyme-linked immunosorbent assays. Brandt JA, et al. J Clin Microbiol 1984 Feb;19(2):147–52
Evaluation of an enzyme-linked immunosorbent assay for the detection of ectromelia (mousepox) antibody. Buller RM, et al. J Clin Microbiol 1983 Nov;18(5):1220–5
Detection of cytomegalovirus antibody with two commercially available assays, an indirect hemagglutination test and an enzyme immunosorbent assay. Cheeseman SH, et al. J Clin Microbiol 1984 Jul;20(1):9–11
Determination of herpes simplex virus type-specific antibodies by enzyme-linked immunosorbent assay. Coleman RM, et al. J Clin Microbiol 1983 Aug; 18(2):287–91
Age-related antibodies to rotavirus in New Zealand rabbits. DiGiacomo RF, et al. J Clin Microbiol 1984 May; 19(5):710–1
Large-scale serological screening for cytomegalovirus antibodies in homosexual males by enzyme-linked immunosorbent assay. Dylewski JS, et al. J Clin Microbiol 1984 Feb;19(2):200–3
Antibody class capture assays for varicella-zoster virus. Forghani B, et al. J Clin Microbiol 1984 May;19(5):606–9
Epidemiological analysis of the significance of low-positive test results for antibody to hepatitis B surface and core antigens. Hadler SC, et al. J Clin Microbiol 1984 Apr; 19(4):521–5
Quantitation of enterovirus 70 antibody by microneutralization test and comparison with standard neutralization, hemagglutination inhibition, and complement fixation tests with different virus strains. Hierholzer JC, et al. J Clin Microbiol 1984 Jun;19(6):826–30
Efficient coating of the solid phase with rotavirus antigens for enzyme-linked immunosorbent assay of immunoglobulin A antibody in feces. Inouye S, et al. J Clin Microbiol 1984 Feb;19(2):259–63
Rubella antibodies detected by several commercial immunoassays in hemagglutination inhibition-negative sera. Kleeman KT, et al. J Clin Microbiol 1983 Nov;18(5):1131–7
Detection of antibodies to Epstein-Barr virus capsid antigen by immune adherence hemagglutination. Lennette ET, et al. J Clin Microbiol 1982 Jan;15(1):69–73
Assay of human rotavirus antibody by immune adherence hemagglutination with a cultivable human rotavirus as antigen. Matsuno S, et al. J Clin Microbiol 1982 Jan; 15(1):163–5
Use of enzyme immunoassays and the latex agglutination test to measure the temporal appearance of immunoglobulin G and M antibodies after natural infection or immunization with rubella virus. Meegan JM, et al. J Clin Microbiol 1983 Sep;18(3):745–8
Detection of human immunoglobulins G and M antibodies to Rift Valley fever virus by enzyme-linked immunosorbent assay. Niklasson B, et al. J Clin Microbiol 1984 Feb;19(2):225–9
Comparison of five methods of cytomegalovirus antibody screening of blood donors. Phipps PH, et al. J Clin Microbiol 1983 Dec;18(6):1296–300
Bluetongue virus: comparative evaluation of enzyme-linked immunosorbent assay, immunodiffusion, and serum neutralization for detection of viral antibodies. Poli G, et al. J Clin Microbiol 1982 Jan;15(1):159–62
Enzyme-linked immunosorbent assay compared with neutralization tests for evaluation of live mumps vaccines. Sakata H, et al. J Clin Microbiol 1984 Jan;19(1):21–5
Detection of rotavirus antibody by inhibition of reverse passive hemagglutination. Sanekata T, et al. J Clin Microbiol 1982 Jan;15(1):148–55
Detection of specific immunoglobulin M antibody to different flaviviruses by use of enzyme-labeled antigens. Schmitz H, et al. J Clin Microbiol 1984 May;19(5):664–7
Enzyme-linked immunosorbent assay for detection of equine infectious anemia virus p26 antigen and antibody. Shane BS, et al. J Clin Microbiol 1984 Mar;19(3):351–5
Enzyme immunoassay for rabies antibody in hybridoma culture fluids and its application to differentiation of street and laboratory strains of rabies virus. Smith JS, et al. J Clin Microbiol 1984 Feb;19(2):267–72
Problems in determining immune status in borderline specimens in an enzyme immunoassay for rubella immunoglobulin G antibody. Steece RS, et al. J Clin Microbiol 1984 Jun;19(6):923–5
Antibody response to dengue-2 vaccine measured by two different radioimmunoassay methods. Summers PL, et al. J Clin Microbiol 1984 May;19(5):651–9
Virus-specific immunoglobulin G subclasses in herpes simplex and varicella-zoster virus infections. Sundqvist VA, et al. J Clin Microbiol 1984 Jul;20(1):94–8
Herpes simplex virus type-selective enzyme-linked immunosorbent assay with Helix pomatia lectin-purified antigens. Svennerholm B, et al. J Clin Microbiol 1984 Feb; 19(2):235–9
Microneutralization test in PK(15) cells for assay of antibodies to louping ill virus. Timoney PJ, et al. J Clin Microbiol 1984 Jul;20(1):128–30
Enzyme-linked immunosorbent assay for evaluation of immunity to measles virus. Weigle KA, et al. J Clin Microbiol 1984 Mar;19(3):376–9
Serum immunoglobulin A antibody to varicella-zoster virus in subjects with primary varicella and herpes zoster infections and in immune subjects. Wittek AE, et al. J Clin Microbiol 1983 Nov;18(5):1146–9
Single radial complement fixation test for assaying antibody to influenza virus type-specific antigens. Yamane N, et al. J Clin Microbiol 1983 Oct;18(4):837–43
An immunoperoxidase assay for the detection of specific IgA antibody in Epstein-Barr virus infections. Cevenini R, et al. J Clin Pathol 1984 Apr;37(4):440–3
Use of the direct haemolysis-in-gel test for rubella antibodies in the Icelandic prevention programme for congenital rubella. Einarsdóttir B, et al. J Clin Pathol 1983 Nov; 36(11):1253–5
Comparative trial of six methods for the detection of CMV antibody in blood donors. Hunt AF, et al. J Clin Pathol 1984 Jan;37(1):95–7
Rapid detection of antibodies against cytomegalovirus induced immediate early and early antigens by an enzyme linked immunosorbent assay. Musiani M, et al. J Clin Pathol 1984 Feb;37(2):122–5
Heterotypic reactions in a radioimmunoassay for coxsackie B virus specific IgM. Pugh SF. J Clin Pathol 1984 Apr; 37(4):433–9
Report of a joint DMRQC/Organon field trial to detect hepatitis A IgM by ELISA. Supran EM, et al. J Clin Pathol 1983 Oct;36(10):1111–5
Seroconversion after measles vaccination in infants and children. Seghal S, et al. J Commun Dis 1983 Jun;15(2):75–9
Sero-epidemiological survey of measles. Sehgal S, et al. J Commun Dis 1983 Mar;15(1):1–7
Herpes simplex virus non-structural proteins. IV. Purification of the virus-induced deoxyribonuclease and characterization of the enzyme using monoclonal antibodies. Banks L, et al. J Gen Virol 1983 Oct;64 (Pt 10):2249–60
The effect of proteolytic cleavage of La Crosse virus G1 glycoprotein on antibody neutralization. Kingsford L, et al. J Gen Virol 1983 Oct;64 (Pt 10):2147–56
Polio antibody outfit of newborns and infants born after 20 years of mass vaccination with live poliovaccine. Koza J, et al. J Hyg Epidemiol Microbiol Immunol 1984;28(1):25–32
Determination of cytomegalovirus antibodies by enzyme-linked immunosorbent assay (ELISA) in women of fertile period. Sánchez RT, et al. J Hyg Epidemiol Microbiol Immunol 1984;28(1):85–90
The effect of vaccination regimen on the transfer of foot and mouth disease antibodies from the sow to her piglets. Francis MJ, et al. J Hyg (Lond) 1984 Aug;93(1):123–31
Antibody response in pig nasal fluid and serum following foot-and-mouth disease infection or vaccination. Francis MJ, et al. J Hyg (Lond) 1983 Oct;91(2):329–34
Antibody against viruses in maternal and cord sera: non-specific inhibitors are found to higher titre on the maternal side of the circulation. Griffiths PD, et al. J Hyg (Lond) 1984 Jun;92(3):297–301
A micro immune haemolysis test for rubella antibody screening. Murray HG. J Hyg (Lond) 1984 Feb; 92(1):117–24
Human sera possess a limited antibody repertoire to influenza neuraminidase antigenic variants selected in vitro. Natali A, et al. J Hyg (Lond) 1984 Apr;92(2):243–50
Nephropathia epidemica in Norway: antigen and antibodies in rodent reservoirs and antibodies in selected human populations. Traavik T, et al. J Hyg (Lond) 1984 Aug; 93(1):139–46
Biotin-labeled antigen sandwich enzyme-linked immunosorbent assay (BLA-S-ELISA) for the detection of Japanese encephalitis antibody in human and a variety of animal sera. Chang HC, et al. J Immunol Methods 1984 Sep 4;72(2):4[illegible]-9
Detection of IgA antibodies to Epstein-Barr virus-associated antigens by ELISA. Dölken G, et al. J Immunol Methods 1984 Mar 30;68(1-2):331-9
Electrophoretic protein transfer applied to immunoelectrophoresis. Lum MA, et al. J Immunol Methods 1983 Nov 25;64(3):377–82
A glucose oxidase immunoenzyme stain for the detection of viral antigen or antibody on nitrocellulose transfer blots. Porter DD, et al. J Immunol Methods 1984 Aug 3;72(1):1–9
Enzyme-linked immunosorbent assay for the detection of Epstein-Barr virus-induced antigens and antibodies. Sternås L, et al. J Immunol Methods 1983 Oct 14; 63(2):171–85
Evaluation of a new ELISA method for estimating rubella-specific IgM antibody. Cubie HA. J Infect 1983 Sep;7(2):144–50
Presence of antibodies against herpes simplex virus-specific antigens in human serum. Hama S, et al. J Infect 1983 Sep; 7(2):125–9
Meningo-encephalitis caused by Coxsackievirus group B type 2. Diagnosis confirmed by measuring intrathecal antibody. Klapper PE, et al. J Infect 1984 May;8(3):227–31
Persistence of rabies antibody in free-ranging raccoons. Bigler WJ, et al. J Infect Dis 1983 Sep;148(3):610
Rotavirus carriage, asymptomatic infection, and disease in the first two years of life. II. Serological response. Champsaur H, et al. J Infect Dis 1984 May;149(5):675–82
Relative titers of antibodies to individual polypeptide antigens of herpes simplex virus type 1 in human sera. Eberle R, et al. J Infect Dis 1983 Sep;148(3):436–44
Enzyme-linked immunosorbent assay of mumps antibody for evaluation of immune status before and after vaccination. Kuno-Sakai H, et al. J Infect Dis 1984 May;149(5):813
Serum neutralizing antibody response to hepatitis A virus. Lemon SM, et al. J Infect Dis 1983 Dec;148(6):1033–9
Experimental herpes simplex virus type 1 encephalitis: ratios of serum- to cerebrospinal fluid-antibody titers and their relation to fever and virus activity. Levine DP, et al. J Infect Dis 1984 Jun;149(6):1025
Prevalence and incidence of herpesvirus infections among homosexually active men. Mann SL, et al. J Infect Dis 1984 Jun;149(6):1026–7
Viremia, virus excretion, and antibody responses after challenge in volunteers with low levels of antibody to rubella virus. O'Shea S, et al. J Infect Dis 1983 Oct; 148(4):639–47
Dengue 2 vaccine: dose response in volunteers in relation to yellow fever immune status. Scott RM, et al. J Infect Dis 1983 Dec;148(6):1055–60
Enzyme-linked immunosorbent assay for susceptibility to varicella. Shehab Z, et al. J Infect Dis 1983 Sep; 148(3):472–6
Epidemiological standardization of a test for susceptibility to mumps. Shehab ZM, et al. J Infect Dis 1984 May; 149(5):810–2
Latex-agglutination test for rubella antibody: validity of positive results assessed by response to immunization and comparison with other tests. Storch GA, et al. J Infect Dis 1984 Mar;149(3):459–64
Determination of herpes simplex virus type-specific antibodies by solid-phase RIA on Helix pomatia lectin-purified antigens. Suchánková A, et al. J Infect Dis 1984 Jun;149(6):964–72
An immune adherence assay for discrimination between etiologic agents of hemorrhagic fever with renal syndrome. Sugiyama K, et al. J Infect Dis 1984 Jan;149(1):67–73
Immunologic evidence of reinfection with varicella-zoster virus [letter] Talbot GH, et al. J Infect Dis 1984 Jun; 149(6):1035–6
Prevalence of antibody to hepatitis A virus in a Saudi Arabian hospital population [letter] Talukder MA, et al. J Infect Dis 1983 Dec;148(6):1167
Protection studies in colostrum-deprived piglets of a bovine rotavirus vaccine candidate using human rotavirus strains for challenge. Zissis G, et al. J Infect Dis 1983 Dec; 148(6):1061–8
Indirect enzyme-linked immunosorbent assay (ELISA) for detection of IgG antibodies against Coxsackie B viruses. Hannington G, et al. J Med Microbiol 1983 Nov; 16(4):459–65
Detection of rubella virus specific IgM by fast protein liquid chromatography and enzyme-linked immunosorbent assay. Ho-Terry L, et al. J Med Microbiol 1984 Apr;17(2):177–80
Measles virus-specific IgM antibodies in sera from patients with chronic active hepatitis. Christie KE, et al. J Med Virol 1983;12(4):267–72
Specific IgG and IgA antibodies to herpes simplex virus and varicella zoster virus in acute peripheral facial palsy patients. Hadar T, et al. J Med Virol 1983;12(4):237–45
Altered hemolysis in single radial hemolysis from a single serum sample as an indicator of recent primary rubella virus infection. Hedman K, et al. J Med Virol 1984;13(4):323–30
Immune responses to live attenuated and inactivated mumps virus vaccines in seronegative and seropositive young adult males. Ilonen J, et al. J Med Virol 1984;13(4):331–8
Detection of IgM antibodies against cytomegalovirus: comparison of two radioimmunoassays, enzyme-linked immunosorbent assay and immunofluorescent antibody test. Kangro HO, et al. J Med Virol 1984;14(1):73–80
Prevalence of a non-A, non-B-associated antigen/antibody system detected by radioimmunoassay in acute and chronic liver disease. Luo KX, et al. J Med Virol 1983;12(4):253–65
Immunoglobulin class-specific antibody response in respiratory syncytial virus infection measured by enzyme immunoassay. Meurman O, et al. J Med Virol 1984; 14(1):67–72
Acquisition of antibodies to various Coxsackie and Echo viruses and hepatitis A virus in agricultural communal settlements in Israel. Morag A, et al. J Med Virol 1984; 14(1):39–47
The use of IgM tests for analysis of the causes of measles vaccine failures: experience gained in an epidemic in Hungary in 1980 and 1981. Nagy G, et al.

J Med Virol 1984;13(1):93–103

An antigen/antibody system specific for an epidemic non-A, non-B hepatitis in patients of a cardiovascular surgical unit. Ohori H, et al. J Med Virol 1983;12(3):161–78

Class-specific antibody responses to early and late antigens of varicella and herpes simplex viruses. Schmidt NJ, et al. J Med Virol 1984;13(1):1–12

Sensitive enzyme immunoassay for the detection of delta antigen and anti-delta, using serum as the delta antigen source. Shattock AG, et al. J Med Virol 1984;13(1):73–82

Indirect and reverse radioimmunoassays and their apparent specificities in the detection of antibodies to enteroviruses in human sera. Torfason EG, et al. J Med Virol 1984; 13(1):13–31

Age-specific prevalence of complement-fixing antibodies to sixteen viral antigens: a computer analysis of 58,500 patients covering a period of eight years. Ukkonen P, et al. J Med Virol 1984;13(2):131–48

Junin virus activity in two rural populations of the Argentine hemorrhagic fever (AHF) endemic area. Weissenbacher MC, et al. J Med Virol 1983;12(4):273–80

Antibody assays for varicella-zoster virus: comparison of competitive enzyme-linked immunosorbent assay (ELISA), competitive radioimmunoassay (RIA), complement fixation, and indirect immunofluorescence assays. Wreghitt TG, et al. J Med Virol 1984;13(4):361–70

The viral hypothesis in parkinsonism. Elizan TS, et al. J Neural Transm [Suppl] 1983;19:75–88

Changes in hepatitis Be antigen/antibody system in children with chronic hepatitis B virus infection. Bortolotti F, et al. J Pediatr 1983 Nov;103(5):718–22

Epstein-Barr virus infections in pregnancy: a prospective study. Fleisher G, et al. J Pediatr 1984 Mar;104(3):374–9

Comparison of varicella zoster antibody titers in patients given intravenous immune serum globulin or varicella zoster immune globulin. Paryani SG, et al. J Pediatr 1984 Aug;105(2):200–5

Antibody response to oral polio vaccine in premature infants. Smolen P, et al. J Pediatr 1983 Dec;103(6):917–9

Production and preliminary characterization of monoclonal antibodies directed at two surface proteins of rhesus rotavirus. Greenberg HB, et al. J Virol 1983 Aug; 47(2):267–75

Lack of neutralizing antibodies to caprine arthritis-encephalitis lentivirus in persistently infected goats can be overcome by immunization with inactivated Mycobacterium tuberculosis. Narayan O, et al. J Virol 1984 Feb;49(2):349–55

A comparison of Rubazyme-M and MACRIA for the detection of rubella-specific IgM. Best JM, et al. J Virol Methods 1984 Feb;8(1–2):99–109

Nitrocellulose-enzyme-linked immunosorbent assay (NC-ELISA) – a sensitive technique for the rapid visual detection of both viral antigens and antibodies. Bode L, et al. J Virol Methods 1984 Feb;8(1–2):111–21

False positive results occurring in a radioimmunoassay for hepatitis A IgM antibody of the IgM class. Bucens MR, et al. J Virol Methods 1983 Dec;7(5–6):287–95

Improving the varicella-zoster virus: IgG radioimmunoassay procedure by the use of purified antigen. Clarke JR, et al. J Virol Methods 1984 Feb;8(1–2):1–8

Enzyme immunoassay for antibodies to membrane associated antigen of varicella zoster virus. Cox JC, et al. J Virol Methods 1984 Feb;8(1–2):137–45

A user's guide to the indirect solid-phase radioimmunoassay for the detection of cytomegalovirus-specific IgM antibodies. Griffiths PD, et al. J Virol Methods 1984 Jul; 8(4):271–82 (14 ref.)

A method for coupling cytomegalovirus antigens to aldehyde-fixed erythrocytes for use in passive hemagglutination. Ikram H, et al. J Virol Methods 1983 Sep;7(3):127–34

Rapid enzyme-linked immunosorbent assay of whole blood for detection of antibodies to Japanese encephalitis virus. Konishi E, et al. J Virol Methods 1983 Jul;7(1):21–8

Detection of IgG antibodies to measles virus using monoclonal antibodies for antigen-capture in enzyme immunoassay. Kramer SM, et al. J Virol Methods 1984 May;8(3):255–63

The use of an enzyme-linked immunosorbent assay to detect IgG antibodies to serotype-specific and group-specific antigens of fowl adenovirus serotypes 2, 3 and 4. Mockett AP, et al. J Virol Methods 1983 Dec;7(5–6):327–35

Single radial complement fixation test using complement film. Assay of the antibody response to strain and type specific antigens of influenza virus. Sato S, et al. J Virol Methods 1983 Aug;7(2):57–64

Serologic response of captive coyotes (Canis latrans Say) to canine parvovirus and accompanying profiles of canine coronavirus titers. Green JS, et al. J Wildl Dis 1984 Jan; 20(1):6–11

Evidence of exposure of waterfowl and other aquatic birds to the hemagglutinating duck adenovirus identical to EDS-76 virus. Gulka CM, et al. J Wildl Dis 1984 Jan; 20(1):1–5

Serologic survey for selected viruses in a population of raccoons, Procyon lotor (L.), in the Great Smoky Mountains. Rabinowitz AR, et al. J Wildl Dis 1984 Apr; 20(2):146–8

Leads from the MMWR. Antibodies to a retrovirus etiologically associated with acquired immunodeficiency syndrome (AIDS) in populations with increased incidences of the syndrome. JAMA 1984 Aug 3;252(5):608–9

The immune response to aerosolized measles vaccine [editorial] Amler RW, et al. JAMA 1984 May 11; 251(18):2408

Analysis of cytomegalovirus and Epstein-Barr virus antibody responses in treated hemophiliacs. Implications for the study of acquired immune deficiency syndrome. Cheeseman SH, et al. JAMA 1984 Jul 6;252(1):83–5

The relation of cytomegalovirus and Epstein-Barr virus antibodies to T-cell subsets in homosexually active men. Detels R, et al. JAMA 1984 Apr 6;251(13):1719–22

Live attenuated varicella vaccine. Efficacy for children with leukemia in remission. Gershon AA, et al. JAMA 1984 Jul 20;252(3):355–62

Successful immunization of infants with and without maternal antibody by aerosolized measles vaccine. II. Vaccine comparisons and evidence for multiple antibody response. Sabin AB, et al. JAMA 1984 May 11;251(18):2363–71

Serological response to rubella revaccination. Serdula MK, et al. JAMA 1984 Apr 20;251(15):1974–7

Immunoglobulins and measles antibody in sera of newborn cynomolgus monkeys and in milk of their mothers. Fujimoto K, et al. Jpn J Med Sci Biol 1983 Aug; 36(4):209–14

Difference in age distribution of antibody to herpes simplex virus in Fukuoka, Manila and Busan. Hayashi Y, et al. Jpn J Med Sci Biol 1984 Feb;37(1):35–9

Labeled avidin-biotin enzyme-linked immunosorbent assay (LAB-ELISA) for detection of Japanese encephalitis antibody in swine sera. Chang HC, et al. Jpn J Vet Res 1984 Apr;32(2):59–71

Prevalence of bovine herpesvirus-1, parainfluenza-3, bovine rotavirus, bovine viral diarrhea, bovine adenovirus-7, bovine leukemia virus and bluetongue virus antibodies in cattle in Mexico. Suzan VM, et al. Jpn J Vet Res 1983 Oct;31(3-4):125–32

Enzyme-linked immunosorbent assay for detection of IgG and IgM class antibodies to Japanese encephalitis virus. Yamaoka M. Kobe J Med Sci 1983 Dec;29(6):197–226

Distribution of antibodies to influenza C virus. Kaji M, et al. Kurume Med J 1983;30(3):121–3

Unique pattern of Epstein-Barr virus specific antibodies in recurrent parotitis. Akaboshi I, et al. Lancet 1983 Nov 5; 2(8358):1049–51

HTLV-III seropositivity in AIDS [letter] Behan WM, et al. Lancet 1984 Jun 9;1(8389):1292

Post-partum rubella immunisation: a controlled trial of two vaccines. Black NA, et al. Lancet 1983 Oct 29; 2(8357):990–2

HTLV and AIDS in West Germany [letter] Born M, et al. Lancet 1984 Jan 28;1(8370):222

Detection of IgG antibodies to lymphadenopathy-associated virus in patients with AIDS or lymphadenopathy syndrome. Brun-Vezinet F, et al. Lancet 1984 Jun 9; 1(8389):1253–6

Prevalence of antibody to human T-lymphotropic virus type III in AIDS and AIDS-risk patients in Britain. Cheingsong-Popov R, et al. Lancet 1984 Sep 1; 2(8401):477–80

No evidence for HTLV infection among leukaemia patients in Germany [letter] Dölken G, et al. Lancet 1983 Dec 24–31;2(8365–66):1495

Clinical findings and serological evidence of HTLV-III infection in homosexual contacts of patients with AIDS and persistent generalised lymphadenopathy in London. Gazzard BG, et al. Lancet 1984 Sep 1;2(8401):480–3

HTLV antibodies in patients with non-Hodgkin lymphomas in Martinique [letter] Gessain A, et al. Lancet 1984 May 26;1(8387):1183–4

Cytomegalovirus antibody screening of blood and organ donors [letter] Kurtz JB, et al. Lancet 1984 Aug 4; 2(8397):294–5

Screening for hepatitis A antibody before prescribing standard immunoglobulin for Europeans staying in tropical areas [letter] Larouze B, et al. Lancet 1984 Feb 25; 1(8374):449–50

HTLV and haemophilia [letter] Lee CA, et al. Lancet 1984 May 5;1(8384):1028

Failure to achieve predicted antibody responses with intradermal and intramuscular human diploid cell rabies vaccine. Lemon SM, et al. Lancet 1984 May 19; 1(8386):1098–100

Antibodies to HTLV-III associated antigens in populations exposed to AIDS virus in France [letter] Mathez D, et al. Lancet 1984 Aug 25;2(8400):460

High incidence of HTLV antibody in carriers of Strongyloides stercoralis [letter] Nakada K, et al. Lancet 1984 Mar 17;1(8377):633

HTLV-I-specific antibody in AIDS patients and others at risk. Robert-Guroff M, et al. Lancet 1984 Jul 21; 2(8395):128–31

Seroepidemiological studies of human T-lymphotropic retrovirus type III in acquired immunodeficiency syndrome. Safai B, et al. Lancet 1984 Jun 30; 1(8392):1438–40

High-titre anti-CMV plasma in treatment of neonatal cytomegalovirus infection [letter] Smith MJ, et al. Lancet 1984 Feb 25;1(8374):447–8

HTLV antibody positivity and incidence of adult T-cell leukaemia in Kochi prefecture, Japan [letter] Taguchi H, et al. Lancet 1983 Oct 29;2(8357):1029

Low prevalence in the UK of HTLV-I and HTLV-II infection in subjects with AIDS, with extended lymphadenopathy, and at risk of AIDS. Tedder RS, et al. Lancet 1984 Jul 21;2(8395):125–8

HTLV antibody in China [letter] Zeng Y, et al. Lancet 1984 Apr 7;1(8380):799–800

Prevalence of HTLV-specific antibodies in Surinam emigrants to The Netherlands. Robert-Guroff M, et al. Leuk Res 1984;8(3):501–4

Clinical uses of the diagnostic virology laboratory. Smith TF. Med Clin North Am 1983 Sep;67(5):935–51 (40 ref.)

Comparison of four different methods for detection of rubella IgM antibodies. Mertens T, et al. Med Microbiol Immunol (Berl) 1983;172(3):181–9

Hepatitis A-virus in cell culture. V. Neutralizing antibodies against hepatitis A-virus. Zahn J, et al. Med Microbiol Immunol (Berl) 1984;173(1):9–17

Antibody to bovine leukemia virus in sera from leukemic patients. Cereda PM, et al. Microbiologica 1984 Jan; 7(1):107–12

Sensitivity and reproducibility of enzyme immunoassay for measles virus antibody detection. Rapicetta M, et al. Microbiologica 1983 Jul;6(3):239–45

Antibodies to a retrovirus etiologically associated with acquired immunodeficiency syndrome (AIDS) in populations with increased incidences of the syndrome. MMWR 1984 Jul 13;33(27):377–9

Prevalence of antibody to lymphadenopathy-associated virus among drug-detoxification patients in New York [letter] Spira TJ, et al. N Engl J Med 1984 Aug 16;311(7):467–8

Seroepizootiological survey on bluetongue virus infection in cattle in Japan. Miura Y, et al. Natl Inst Anim Health Q (Tokyo) 1982 Winter;22(4):154–8

Survey on antibody against hemorrhagic enteritis virus among chicken flocks in Japan. Yamaguchi S, et al. Natl Inst Anim Health Q (Tokyo) 1982 Winter;22(4):180–1

Distribution of chicken anemia agent (CAA) and detection of neutralizing antibody in chicks experimentally inoculated with CAA. Yuasa N, et al. Natl Inst Anim Health Q (Tokyo) 1983 Fall;23(3):78–81

Rubella susceptibility in the childbearing ages in Lincoln, Nebraska. Grenier SR, et al. Nebr Med J 1983 Dec; 68(12):382–6

Studies on enzyme-linked immunosorbent assay (ELISA) for detection of antibodies in cattle infected with bovine leukemia virus. Kajikawa O, et al. Nippon Juigaku Zasshi 1983 Jun;45(3):347–53

Serological methods to detect calves infected in utero with bovine leukemia virus. Kono Y, et al. Nippon Juigaku Zasshi 1983 Aug;45(4):453–61

Enzyme-linked immunosorbent assay (ELISA) for detection of IgM and IgG antibodies to Japanese encephalitis virus in sera from experimentally infected swine. Ohkubo Y, et al. Nippon Juigaku Zasshi 1984 Feb;46(1):57–64

Survey of respiratory diseases among chicken flocks in Japan for avian infectious bronchitis by the neutralization test with embryo-adapted Beaudette strain. Sawaguchi K, et al. Nippon Juigaku Zasshi 1983 Dec;45(6):767–74

Hemagglutination-inhibiting antibody sensitive to 2-mercaptoethanol in cattle infected with Ibaraki virus. Tokuhisa S, et al. Nippon Juigaku Zasshi 1983 Oct; 45(5):687–9

Rotavirus associated diarrhoea in nursing piglets and detection of antibody against rotavirus in colostrum, milk and serum. Askaa J, et al. Nord Vet Med 1983 Dec; 35(12):441–7

Serology testing as a means of encouraging rubella immunisation. Brieseman MA, et al. NZ Med J 1983 Oct 12;96(741):760–2

Epstein-Barr virus and nasopharyngeal cancer [letter] Poole E, et al. NZ Med J 1984 Apr 11;97(753):239

Direct measurement of hepatitis B viral antibody and antigen markers in gingival crevicular fluid. Pollock JJ, et al. Oral Surg 1984 May;57(5):499–503

Cellular and humoral immunity in recurrent respiratory syncytial virus infections. Fernald GW, et al. Pediatr Res 1983 Sep;17(9):753–8

Predicting measles susceptibility. Dales LG, et al. Pediatrics 1984 Jun;73(6):871–3

Ineffectiveness of historical data in predicting measles susceptibility. Scott RM, et al. Pediatrics 1984 Jun; 73(6):777–80

Influence of sex-linked feathering phenotypes of parents and progeny upon lymphoid leukosis virus infection status and egg production. Harris DL, et al. Poult Sci 1984 Mar; 63(3):401–13

Methods for detection of the delta antigen and antibody in liver and serum. Crivelli O, et al. Prog Clin Biol Res 1983; 143:121–6

Herpes simplex type 2 and cervical cancer: immunological and in situ hybridization studies. Simard R, et al. Prog Clin Biol Res 1983;132D:461–9

Retrovirus in adult T-cell leukemia. Hinuma Y. Prog Med Virol 1984;30:156–69

Seroimmunity to rubella virus in Jordanians. El-Khateeb MS, et al. Public Health 1983 Jul;97(4):204–7

Comparative studies of United Kingdom isolates of swine vesicular disease virus. Donaldson AI, et al. Res Vet Sci 1983 Nov;35(3):295–300

Effect of the sow vaccination regimen on the decay rate of maternally derived foot-and-mouth disease antibodies in piglets. Francis MJ, et al. Res Vet Sci 1984 Jul;37(1):72–6

Serology for diagnosis and epizootiological studies of bovine

respiratory syncytial virus infections. van Nieuwstadt AP, et al. **Res Vet Sci** 1983 Sep;35(2):153–9

Standardization of poliovirus neutralizing antibody tests. Albrecht P, et al. **Rev Infect Dis** 1984 May–Jun;6 Suppl 2:S540–4

Long-term immunity following vaccination with killed poliovirus vaccine in Sweden, a country with no circulating poliovirus. Böttiger M. **Rev Infect Dis** 1984 May–Jun;6 Suppl 2:S548–51

Seroimmunity following vaccination in infants by an inactivated poliovirus vaccine prepared on Vero cells. Grenier B, et al. **Rev Infect Dis** 1984 May–Jun;6 Suppl 2:S545–7

Different secretory IgA antibody responses after immunization with inactivated and live poliovirus vaccines. Hanson LA, et al. **Rev Infect Dis** 1984 May–Jun;6 Suppl 2:S356–60

A comparison of the serologic responses to oral and injectable trivalent poliovirus vaccines. McBean AM, et al. **Rev Infect Dis** 1984 May–Jun;6 Suppl 2:S552–5

Peptide priming of a poliovirus neutralizing antibody response. Wimmer E, et al. **Rev Infect Dis** 1984 May–Jun; 6 Suppl 2:S505–9

Antibodies to Epstein–Barr virus associated antigens in Pima Indians with and without rheumatoid arthritis. Slovin SF, et al. **Rheumatol Int** 1983;3(2):65–8

Cytomegalovirus and atherosclerosis [letter] Smith MS, et al. **S Afr Med J** 1984 May 19;65(20):793

Prevalence of markers of hepatotrophic viruses in alcoholics with symptomatic liver cirrhosis or pancreatitis. Stigendal L, et al. **Scand J Gastroenterol** 1984 Jul;19(5):588–90

Analysis of the quantity of antiviral antibodies from mink infected with different Aleutian disease virus strains. Aasted B, et al. **Scand J Immunol** 1984 May;19(5):395–402

Mink with Aleutian disease have high-affinity antiviral antibodies. Aasted B, et al. **Scand J Immunol** 1984 May; 19(5):411–8

An epidemiological survey of nephropathia epidemica in Sweden. Niklasson B, et al. **Scand J Infect Dis** 1983; 15(3):239–45

Detection of antibodies to herpes simplex virus with a continuous cell line expressing cloned glycoprotein D. Berman PW, et al. **Science** 1983 Nov 4;222(4623):524–7

Crash development of AIDS test nears goal [news] Culliton BJ. **Science** 1984 Sep 14;225(4667):1128, 1130–1

Transfusion-associated AIDS: serologic evidence of human T-cell leukemia virus infection of donors. Jaffe HW, et al. **Science** 1984 Mar 23;223(4642):1309–12

Antibodies reactive with human T-lymphotropic retroviruses (HTLV-III) in the serum of patients with AIDS. Sarngadharan MG, et al. **Science** 1984 May 4; 224(4648):506–8

Human T-cell leukemia virus (HTLV-I) antibodies in Africa. Saxinger W, et al. **Science** 1984 Sep 28;225(4669):1473–6

Serosurvey of rubella antibody among health personnel of Songklanagarind University Hospital, Thailand. Pruksananonda P, et al. **Southeast Asian J Trop Med Public Health** 1983 Sep; 14(3):380–4

Disappearance of measles antibody in Thai infants after birth. Vanprapar N, et al. **Southeast Asian J Trop Med Public Health** 1983 Dec; 14(4):488–90

An outbreak of hepatitis A in junior college students verified by IgM hepatitis A antibody testing. Chen DS, et al. **Taiwan I Hsueh Hui Tsa Chih** 1983 Oct;82(10):1018–27

Enzyme linked immunosorbent assay of rubella antibody. Kikuchi T, et al. **Tokai J Exp Clin Med** 1983 Jul;8(3):275–9

Depression of serum and pulmonary neutralizing antibodies to influenza virus in Trypanosoma brucei-infected mice [letter] Oyejide A, et al. **Trans R Soc Trop Med Hyg** 1984; 78(1):136–7

Prevention of transfusion-associated cytomegalovirus infection in very low-birthweight infants using frozen blood and donors seronegative for cytomegalovirus. Adler SP, et al. **Transfusion** 1984 Jul–Aug;24(4):333–5

Antibodies against viral pathogens in dairy cattle in Colombia. Griffiths IB, et al. **Trop Anim Health Prod** 1983 Nov;15(4):214

Prevalence of antibodies against respiratory viruses in children of Koulikoro (Mali). Ehrengut W, et al. **Tropenmed Parasitol** 1984 Jun;35(2):119–22

Immune complexes in Aleutian disease: demonstration of antibody on isolated virus. Hahn EC. **Vet Immunol Immunopathol** 1984 Mar;5(4):313–21

Isolation and characteristics of an equine reovirus type 3 and an antibody prevalence survey to reoviruses in horses located in New York State. Conner M, et al. **Vet Microbiol** 1984 Feb;9(1):15–25

Immunodiffusion test antigen from bluetongue virus-infected newborn mouse brains. Grimes JE, et al. **Vet Microbiol** 1983 Aug;8(4):363–72

The evaluation of a lectin–agarose based subunit vaccine and complementary diagnostic antigen for Aujeszky's disease (pseudorabies) in the pig. Platt KB. **Vet Microbiol** 1984 Feb;9(1):35–51

The neutralizing peroxidase-linked assay for detection of antibody against swine fever virus. Terpstra C, et al. **Vet Microbiol** 1984 Apr;9(2):113–20

Parvovirus vaccination [letter] **Vet Rec** 1984 Jul 7;115(1):22

Maedi–visna antibodies in sheep and goats in Nigeria. Belino ED, et al. **Vet Rec** 1984 Jun 9;114(23):570

Serological survey of ruminant livestock in some countries of the Caribbean region and South America for antibody to bluetongue virus. Gibbs EP, et al. **Vet Rec** 1983 Nov 5;113(19):446–8

Serological survey of ruminants in some Caribbean and South American countries for type-specific antibody to bluetongue and epizootic haemorrhagic disease viruses. Gumm ID, et al. **Vet Rec** 1984 Jun 30;114(26):635–8

Prevalence of antibody to conventional and atypical rotaviruses in chickens. McNulty MS, et al. **Vet Rec** 1984 Mar 3;114(9):219

Haemorrhagic enteritis of turkeys: comparison of two serological assays for detecting antibodies in one-day-old poults, sick and convalescent turkeys. Malkinson M, et al. **Vet Rec** 1983 Nov 19;113(21):497

Indirect haemagglutination test for the detection and assay of antibody to bovine respiratory syncytial virus. Martin HT. **Vet Rec** 1983 Sep 24;113(13):290–3

Serological survey on the prevalence of bovine herpesvirus 1 antibodies in pedigree beef bulls. Peters AR, et al. **Vet Rec** 1983 Sep 10;113(11):237–8

Detection of foot-and-mouth disease carriers among water buffalo (Bubalus bubalis) after an outbreak of the disease in cattle. Samara SI, et al. **Vet Rec** 1983 Nov 12; 113(20):472–3

Serum antibodies to bovine mammillitis virus in pregnant heifers. Scott FM, et al. **Vet Rec** 1984 Jan 7;114(1):19

Secretory antibodies in respiratory virus infections. Petrescu A. **Virologie** 1984 Apr–Jun;35(2):133–8 (29 ref.)

Serologic markers of hepatitis B and A infections in the healthy population. Sabău M, et al. **Virologie** 1983 Jul–Sep; 34(3):197–201

The hemagglutinating unit of influenza virus in the hemagglutination-inhibition test. Subi K. **Virologie** 1984 Jan–Mar;35(1):69–70

Analysis of proteins, helper dependence, and seroepidemiology of a new human parvovirus. Georg-Fries B, et al. **Virology** 1984 Apr 15;134(1):64–71

Antibodies against a synthetic peptide of the avian retrovirus pp32 protein and the beta DNA polymerase subunit. Grandgenett DP, et al. **Virology** 1983 Oct 15;130(1):257–62

Immunological characterization of the low molecular weight gag gene proteins p19 and p15 of human T-cell leukemia-lymphoma virus (HTLV) and demonstration of human natural antibodies to them. Kalyanaraman VS, et al. **Virology** 1984 Jan 15;132(1):61–70

Sera from adult T-cell leukemia patients react with envelope and core polypeptides of adult T-cell leukemia virus. Schneider J, et al. **Virology** 1984 Jan 15;132(1):1–11

Failure to demonstrate concomitant antibody changes to viral antigens other than Epstein–Barr virus (EBV) during or after infectious mononucleosis. Evans AS, et al. **Yale J Biol Med** 1983 May–Jun;56(3):203–9

Rabies neutralizing antibodies determination by the modified counterimmunoelectrophoresis test and the rapid fluorescent focus inhibition test. Díaz AM. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Nov;256(1):1–6

ELISA for IgM and IgG antibodies against tick-borne encephalitis virus: quantification and standardization of results. Hofmann H, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Nov; 255(4):448–55

Influenza virus A/swine-outbreaks in domestic pigs and antibody findings in human sera. Sinnecker H, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Sep; 255(2–3):209–13

Quantitative determination of papovavirus IgG antibodies in sera from cancer patients, labworkers and several groups of control persons by enzyme-linked immunosorbent assay (ELISA). Zimmermann W, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Apr; 254(2):187–96

[Use of an ELISA involving monoclonal antibody for the detection of antibodies against bovine leukemia virus in a herd with a high incidence of enzootic bovine leukosis. Mammerickx M, et al. **Zentralbl Veterinarmed [B]** 1984 Apr;31(3):210–8

Bovine adenoviruses. V. Diagnostic efficiency of dual-antigen immuno-diffusion test using two different group-reactive antigens in parallel. Messner A, et al. **Zentralbl Veterinarmed [B]** 1983 Dec;30(10):762–74

An enzyme-linked immunosorbent assay (ELISA) for the detection of antibodies to Nairobi sheep disease virus in comparison with an indirect immunofluorescent and hemagglutination test. I. Development and testing of the ELISA with sera of experimentally infected rabbits and sheep. Munz E, et al. **Zentralbl Veterinarmed [B]** 1983 Aug; 30(7):473–9

Study on radial hemolysis method for the detection of anti influenza equi antibodies in equine sera: reliability and expression of the results. Plateau E, et al. **Zentralbl Veterinarmed [B]** 1983 Aug;30(7):512–20

[Use of Nobuto's method for controlling the immune titer of poultry against Newcastle disease] Dimitrova E. **Vet Med Nauki** 1984;21(1):17–21 (Eng. Abstr.) **(Bul)**

[Comparison of the indirect enzyme-bound immunosorbent method with the hemagglutination inhibition test in detecting Newcastle disease antibodies in vaccinated chickens] Dumanova L, et al. **Vet Med Nauki** 1983; 20(8):17–23 (Eng. Abstr.) **(Bul)**

[Detection of human T-cell leukemia/lymphoma virus (HTLV) antibody in normal subjects in China] Li YW. **Chung Hua Chung Liu Tsa Chih** 1984 Mar;6(2):98–100 (Eng. Abstr.) **(Chi)**

[Distribution of EBV-VCA and EA antibody in the general population in a high incidence area of nasopharyngeal carcinoma] Liu YX. **Chung Hua Chung Liu Tsa Chih** 1983 Sep;5(5):337–9 (Eng. Abstr.) **(Chi)**

[Duration of the immunity of attenuated measles vaccine. IV. Result of a 9-year observation following primary inoculation] **Chung Hua I Hsueh Tsa Chih** 1983 Jul; 63(7):423–5 (Eng. Abstr.) **(Chi)**

[Persistence of immunity to attenuated measles live vaccine. V. Persistence of immunity after primary immunization with 4 strains of live measles vaccine] **Chung Hua I Hsueh Tsa Chih** 1983 Aug;63(8):490–2 (Eng. Abstr.) **(Chi)**

[Persistence of immunity to attenuated measles live vaccine. VI. Observation on the results of revaccination with different vaccines via varied routes] **Chung Hua I Hsueh Tsa Chih** 1983 Sep;63(9):541–5 (Eng. Abstr.) **(Chi)**

[Investigation of 2 families with clustering of nasopharyngeal carcinoma and detection of serum VCA-IgA antibody among their members] Tang ZH. **Chung Hua I Hsueh Tsa Chih** 1983 Sep;63(9):553–5 (Eng. Abstr.) **(Chi)**

[Arbovirus antibody survey of human sera in China] Chen BQ. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1983 Oct; 4(5):263–6 (Eng. Abstr.) **(Chi)**

[Application of ELISA to detect IgG-antibody against spring-summer encephalitis] Fan WF. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1984 Apr; 5(2):107–10 (Eng. Abstr.) **(Chi)**

[Detection of viral antigen in rodents' lung tissue and antibody in patients' sera in the epidemic hemorrhagic fever endemic area of Xinye County, Henan Province] Guo SX. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1983 Oct; 4(5):292–4 (Eng. Abstr.) **(Chi)**

[An observation on the persistent period of specific antibodies in epidemic hemorrhagic fever patients' convalescent sera] Li SQ. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1983 Oct;4(5):285–7 (Eng. Abstr.) **(Chi)**

[Survey on immune levels against measles among residents of Nanguan District, Changchun City] Liu XY. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1983 Jun; 4(3):176–7 (Eng. Abstr.) **(Chi)**

[A serological monitoring of coxsackie B virus] Shi OS. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1983 Oct; 4(5):267–9 (Eng. Abstr.) **(Chi)**

[Investigation on the level of antibodies against respiratory syncytial virus in children in Nanning City] Ye P. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1983 Oct; 4(5):270–2 (Eng. Abstr.) **(Chi)**

[Survey on antibodies against measles virus and mumps virus in sera of children in Beijing] Dai YH. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1983 Jul;17(4):224–5 (Eng. Abstr.) **(Chi)**

[Serological study of influenza virus antibody in deer] Li SQ. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1983 Jul; 17(4):237–9 (Eng. Abstr.) **(Chi)**

[Survey on serum hemorrhagic fever-renal syndrome antibody in normal population of Zhenjiang Prefecture] Zhao JN. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1984 Jan;18(1):40–1 (Eng. Abstr.) **(Chi)**

[A survey on antibodies to respiratory syncytial virus in the sera of children in Beijing] Zhu ZH, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1983 Apr; 5(2):128–30 (Eng. Abstr.) **(Chi)**

[Specific and nonspecific humoral response to vaccination with the anti-rabies vaccination agents Rabivac and Vnukovo-32] Wiedermannová D, et al. **Cas Lek Cesk** 1983 Aug 19;122(32–33):980–3 (Eng. Abstr.) **(Cze)**

[Experience in the detection of early antibodies of the IgM class in tick-borne encephalitis] Hronovský V, et al. **Cesk Epidemiol Mikrobiol Imunol** 1983 Nov;32(6):320–6 (Eng. Abstr.) **(Cze)**

[Hemagglutination-inhibition antibodies against the Tahyňa virus in patients in South Moravia] Juřicová Z, et al. **Cesk Epidemiol Mikrobiol Imunol** 1983 Nov;32(6):349–54 (Eng. Abstr.) **(Cze)**

[Neutralizing antibody levels against polioviruses in persons with amyotrophic lateral sclerosis] Nevšímal O, et al. **Cesk Neurol Neurochir** 1984 Mar;47(2):85–9 (Eng. Abstr.) **(Cze)**

[Comparison of the immunologic effectiveness of SUBINVIRA type B (sub-unit influenza virus vaccine) in children after administration of various doses] Závadová H, et al. **Cesk Pediatr** 1984 Jan;39(1):21–3 (Eng. Abstr.) **(Cze)**

[The viral hypothesis of schizophrenia. Results of virological research] Libíková H, et al. **Cesk Psychiatr** 1983 Dec; 79(6):361–75 **(Cze)**

[Serological study of a breed of broilers with edema disease] Juranová R, et al. **Vet Med (Praha)** 1983 Aug;28(8):503–9 (Eng. Abstr.) **(Cze)**

[Use of solid-phase radioimmunoassay (RIA) for the determination of antibodies to Aujeszky's disease virus in the blood serum of vaccinated pigs] Rodák L, et al. **Vet Med (Praha)** 1983 Nov;28(11):651–9 (Eng. Abstr.) **(Cze)**

[Possibilities and limitations of the determination of specific antibodies of the IgM class for virologic diagnosis] Galama J. **Ned Tijdschr Geneeskd** 1983 Dec 3;127(49):2237–41 **(Dut)**

[Viral hepatitis A: specific immunologic aspects before and after exposure to risk] Laverdant C, et al. **Bull Acad Natl Med (Paris)** 1983 Jun;167(6):619–26 (Eng. Abstr.) (Fre)

[Comparison of 4 technics for serologic titration of antibodies against rabies virus in dogs] Blancou J, et al. **J Biol Stand** 1983 Oct;11(4):271–7 (Eng. Abstr.) (Fre)

[Symptomatologic value of the assay of EBV antibodies in carcinoma of the nasopharynx] de Thé G. **J Fr Otorhinolaryngol** 1983 Oct;32(8):493–9 (Eng. Abstr.) (Fre)

[IPAD–DTCP: study of the tolerability and serum antipoliomyelitic efficacy in a maternal–child health center at Pikine (Dakar)] Loucq C, et al. **Med Trop (Mars)** 1984 Jan–Mar;44(1):65–7 (Eng. Abstr.) (Fre)

[Detection of IgM anti–hepatitis A antibodies by immunoenzyme technic. Interpretation of results and comparison of 2 tests (Havab–M EIA and Hepanostika anti–HAV IgM] Barin F, et al. **Pathol Biol (Paris)** 1983 Dec;31(10):825–8 (Eng. Abstr.) (Fre)

[Detection of rubella–specific IgM by an immunoenzyme technic] Fortier B, et al. **Pathol Biol (Paris)** 1983 Sep; 31(7):599–600 (Eng. Abstr.) (Fre)

[Specific antihepatitis A immunoglobulins (letter)] Goudemand M, et al. **Presse Med** 1983 Nov 17;12(41):2635 (Fre)

[Enzyme immunoassay for the determination of antibodies against bovine leukosis virus] Meyer U, et al. **Arch Exp Veterinarmed** 1984 Mar;38(2):219–22 (Eng. Abstr.) (Ger)

[Comparison of the sensitivity of the enzyme immunoassay and agar gel immunodiffusion test for the determination of antibodies against bovine leukosis virus] Meyer U, et al. **Arch Exp Veterinarmed** 1983 Sep;37(5):661–6 (9 ref.) (Eng. Abstr.) (Ger)

[Indirect enzyme–linked immunosorbent assay (ELISA) in the detection of antibodies to reoviruses in the chicken] Schwarzmaier J, et al. **Berl Munch Tierarztl Wochenschr** 1984 Feb 1;97(2):43–7 (Eng. Abstr.) (Ger)

[Demonstration and occurrence of IgM–type hepatitis A viral antibodies] Scheiermann N, et al. **Dtsch Med Wochenschr** 1984 Jun 8;109(23):902–6 (Eng. Abstr.) (Ger)

[Rubella immunity in pregnant women in 1983] Sander J, et al. **Geburtshilfe Frauenheilkd** 1983 Nov;43(11):693–4 (Eng. Abstr.) (Ger)

[Infection with feline leukemia virus: immunology and serodiagnosis as the basis for control. 1.] Lutz H. **Schweiz Arch Tierheilkd** 1984 Jan;126(1):1–22 (0 ref.) (Ger)

[Caprine herpesvirus in Switzerland: distribution, incidence and latency of infection] Plebani GF, et al. **Schweiz Arch Tierheilkd** 1983 Jul;125(7):395–411 (Eng. Abstr.) (Ger)

[Virologic–serologic diagnosis of nasopharyngeal cancer] Bornkamm GW. **Strahlentherapie [Sonderb]** 1984;78:15–21 (Ger)

[Demonstration of IgM rubella antibodies by the combined use of solid phase immunosorbent and hemagglutination inhibition technics] Arnold U, et al. **Z Gesamte Hyg** 1984 Mar;30(3):148–51 (Eng. Abstr.) (Ger)

[Laboratory procedures with adenoviruses. IX. Hexon antibody determination by countercurrent immunoelectrophoresis] Bohn KA, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Sep; 255(2–3):196–201 (Eng. Abstr.) (Ger)

[Changes in antibody titers against an enterovirus (ECHO 22) in North Bavaria in relation to mortality from heart disease 1977 to 1981] Moldenhauer D. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1984 Jan; 178(5–6):502–9 (Eng. Abstr.) (Ger)

[Sensitivity of the ELISA immunoenzyme test for detecting the antibody response of persons vaccinated with an inactivated influenza vaccine] Proietti E, et al. **Ann Ist Super Sanita** 1982;18(3):521–4 (Eng. Abstr.) (Ita)

[Serological methods of detecting antibodies against the measles virus: use of the ELISA immunoenzyme technic] Rapicetta M, et al. **Ann Ist Super Sanita** 1982;18(3):525–8 (Eng. Abstr.) (Ita)

[Antibody movement against BK and herpes viruses and cytomegalovirus in kidney transplants] Sinibaldi L, et al. **Ann Ist Super Sanita** 1982;18(3):389–94 (Eng. Abstr.) (Ita)

[Serological diagnosis with complement fixation and ELISA in one of our cases of acute respiratory infections] Federico G, et al. **Ann Sclavo** 1982 Nov–Dec;24(6):630–41 (Eng. Abstr.) (Ita)

[Assay for anti–rubella hemagglutination–inhibiting antibodies in a homogenous sample of a school–age population from the community of Montepulciano (Siena). Considerations on its relation to the vaccination policy in Tuscany] Santi MT, et al. **Ann Sclavo** 1982 Jul–Aug; 24(4):423–8 (Eng. Abstr.) (Ita)

[Anti–cytomegalovirus antibodies in Kaposi's sarcoma] Scalise G, et al. **Boll Ist Sieroter Milan** 1983 Sep 30; 62(4):355–61 (Eng. Abstr.) (Ita)

[Specific antibodies in children excreting cytomegalovirus] Nigro G, et al. **Boll Soc Ital Biol Sper** 1983 Dec 30; 59(12):1948–53 (Eng. Abstr.) (Ita)

[Epidemiological study on the assay of antibodies to anti–TORCH agents and to HBV in a group of mother/child pairs in Palermo] Spanò C, et al. **Boll Soc Ital Biol Sper** 1983 Dec 30;59(12):1896–902 (Eng. Abstr.) (Ita)

[Immunoenzyme determination of IgA specific anti–HAV in the serological diagnosis of hepatitis A] Trotta F, et al. **Boll Soc Ital Biol Sper** 1984 May 30;60(5):961–6 (Eng. Abstr.) (Ita)

[Anti–influenza antibodies in children (letter)] Migliore G, et al. **Minerva Pediatr** 1984 Apr 30;36(8):439–40 (Ita)

[Epstein–Barr anti–viral antibodies in childhood in relation to social status] Musso A, et al. **Minerva Pediatr** 1984 Jan 31;36(1–2):9–16 (Eng. Abstr.) (Ita)

[Search for anti–cytomegalovirus antibodies: study of a high–risk population with a new system based on solid–phase immunofluorescence] De Fusco R, et al. **Nuovi Ann Ig Microbiol** 1983 Nov–Dec;34(6):463–7 (Eng. Abstr.) (Ita)

[Rotavirus seroepidemiology: predominance of precipitating antibodies in serum of children between the ages 0 to 12] Dei R, et al. **Nuovi Ann Ig Microbiol** 1982 Mar–Jun; 33(2–3):525–31 (Eng. Abstr.) (Ita)

[Analysis of viral capsid anti–antigen antibodies of the Epstein Barr virus in infectious mononucleosis. Comparative evaluation of a fluorescence method with classic methods] Picerno G, et al. **Quad Sclavo Diagn** 1983 Dec;19(4):489–98 (Eng. Abstr.) (Ita)

[Evaluation of the immunoenzymatic method for the study of rubella virus antibodies in relation to the traditional hemagglutination–inhibition test] Quaglio P, et al. **Quad Sclavo Diagn** 1983 Sep;19(3):399–405 (Eng. Abstr.) (Ita)

[An easy method for measurement of mumps neutralizing antibody and its application to epidemiology] Haruyama C. **Kansenshogaku Zasshi** 1984 Mar;58(3):173–80 (Eng. Abstr.) (Jpn)

[Serological epidemiology of Japanese encephalitis virus infections in Ishigaki and Iriomote Islands, Okinawa] Kobayashi Y, et al. **Kansenshogaku Zasshi** 1984 Mar; 58(3):214–22 (Eng. Abstr.) (Jpn)

[Sequential changes of rubella antibody responses in university students after vaccination] Maruyama F, et al. **Kansenshogaku Zasshi** 1983 Aug;57(8):656–61 (Eng. Abstr.) (Jpn)

[Avian chlamydiosis. (1) Imported birds] Miyake T, et al. **Kansenshogaku Zasshi** 1983 Jul;57(7):570–5 (Eng. Abstr.) (Jpn)

[Sero–epidemiological studies on influenza—antibody response of patients receiving hemodialysis to inactivated influenza vaccine] Satsuta K, et al. **Kansenshogaku Zasshi** 1983 Mar;57(3):252–9 (Eng. Abstr.) (Jpn)

[Prevalence of ectoparasites, endoparasites, bacteria and anti–Hantaan virus antibodies in wild rats captured in harbor area of Shimizu, Japan] Suzuki S, et al. **Kansenshogaku Zasshi** 1984 Mar;58(3):203–13 (Eng. Abstr.) (Jpn)

[Detection of anti–ATLA (adult T cell leukemia cell associated antigen) antibody in Nagasaki District, ATL–endemic area] Momita S. **Nippon Naika Gakkai Zasshi** 1984 Mar;73(3):309–15 (Jpn)

[Immunoblastic lymphadenopathy with abnormal high EB virus antibody] Takubo T, et al. **Nippon Rinsho** 1984 Jan; 42(1):232–6 (Jpn)

[A case of Castleman lymphoma (plasma cell type) in retroperitoneum with high titer of anti EB virus antibodies] Honda K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Apr;81(4):1083–8 (Jpn)

[Evaluation of ELISA in herpes simplex encephalitis] Sugimoto K, et al. **No To Hattatsu** 1984;16(3):240–2 (Jpn)

[Effect of ara–A on the experimental herpes simplex virus encephalitis—pathology and fluctuation of the cerebrospinal fluid and serum antibody levels] Kurata T, et al. **No To Shinkei** 1983 Sep;35(9):913–20 (Eng. Abstr.) (Jpn)

[Fluctuations of EB virus–related antibody titer associated with aging] Kumagai E, et al. **Rinsho Byori** 1983 Jun; 31(6):661–5 (Jpn)

[Evaluation of enzyme–linked immunosorbent assay for the detection of rubella virus antibodies] Nakamura Y, et al. **Rinsho Byori** 1983 Nov;31(11):1224–8 (Jpn)

[A seroepidemiologic analysis of anti–ATLA—in Kumamoto Prefecture] Nishimura Y, et al. **Rinsho Byori** 1984 Feb; 32(2):186–90 (Jpn)

[Detection of anti–ATLA (adult T–cell leukemia virus–associated antigen) in the sera of lymphoid malignancies in Kanto area] Tobinai K, et al. **Rinsho Ketsueki** 1983 Aug;24(8):1032–8 (Eng. Abstr.) (Jpn)

[Type–specificity of slow–reacting complement–requiring neutralizing antibody (s–CRN antibody) to herpes simplex virus types 1 and 2 in rabbits] Sekine N. **Uirusu** 1983 Jun; 33(1):47–55 (Eng. Abstr.) (Jpn)

[Neutralizing antibodies to poliovirus in the sera of newborn infants before and after mass immunization of the Brazilian population from 0 to 5. São Paulo, Brazil (1980)] Hutzler RU, et al. **Rev Inst Med Trop Sao Paulo** 1984 Mar–Apr; 26(2):78–82 (Eng. Abstr.) (Por)

[Frequency of antibodies to rotavirus in inhabitants of the city of São Paulo 1980–82] de Salles Gomes LF, et al. **Rev Paul Med** 1983 Jul–Aug;101(4):127–32 (Eng. Abstr.) (Por)

[Relative immunity to poliomyelitis in children from 0 to 10, after the 4th National Polio Vaccination Day with trivalent oral type Sabin vaccination, in the area of greater São Paulo, SP (Brazil), 1982] Barbosa V, et al. **Rev Saude Publica** 1984 Feb;18(1):19–29 (Eng. Abstr.) (Por)

[Serological studies in research on arbovirus antibodies in a human population of the Ribeira Valley region. IV – Survey of school children living in Iguape County, SP (Brazil)] Iversson LB, et al. **Rev Saude Publica** 1983 Dec; 17(6):423–35 (Eng. Abstr.) (Por)

[Humoral antibodies to the antigens related to the structural protein antigens of the mammary cancer virus (MTV) in breast cancer patients and in healthy donors] Litvinov SV, et al. **Biull Eksp Biol Med** 1984 May;97(5):600–3 (Eng. Abstr.) (Rus)

[Isolation of foot–and–mouth disease virus antibodies using affinity chromatography] Shorshnev VI, et al. **Lab Delo** 1983;(11):18–9 (Eng. Abstr.) (Rus)

[The interferon system and immunity indices in neural forms of epidemic parotitis] Iovlev VI, et al. **Pediatriia** 1984 Mar; (3):14–5 (Eng. Abstr.) (Rus)

[Functional activity of peripheral polymorphonuclear leukocytes in newborn infants with intrauterine viral infections] Shabalov NP, et al. **Pediatriia** 1983 Oct;(10):15–7 (Eng. Abstr.) (Rus)

[Use of the elution inhibition reaction for detecting antineuraminidase antibodies in the sera of persons inoculated with inactivated influenza vaccine] Briantseva EA. **Tr Inst Pastera** 1982;59:59–62 (Rus)

[Determination of measles antibodies and virus–specific IgM in the indirect hemagglutination test in disseminated sclerosis and other CNS diseases] Kantorovich RA, et al. **Tr Inst Pastera** 1981;56:118–21 (6 ref.) (Rus)

[Results of a trial of an erythrocyte measles diagnostic agent in public health institutions] Polzik TP, et al. **Tr Inst Pastera** 1981;56:112–4 (6 ref.) (Rus)

[Detection of measles antibodies using the indirect hemagglutination test] Smorodinova IP, et al. **Tr Inst Pastera** 1981;56:115–7 (2 ref.) (Rus)

[Humoral response to Epstein–Barr virus of patients with nasopharyngeal cancer and its use in the differential diagnosis of the disease] Gurtsevich VE, et al. **Vestn Akad Med Nauk SSSR** 1984;(5):29–34 (Eng. Abstr.) (Rus)

[Antibodies to viruses in children with diabetes mellitus] Lozovskaia LS, et al. **Vopr Virusol** 1983 Jul–Aug; 28(4):103–8 (Eng. Abstr.) (Rus)

[Serum study of monkeys and other types of animals for antibodies to hepatitis A virus] Savinskaia SS, et al. **Vopr Virusol** 1983 Jul–Aug;28(4):118–20 (Rus)

[Humoral immunity to influenza A and B viruses in the blood sera of children younger than 14 in 1981] Slepushkin AN, et al. **Vopr Virusol** 1983 Sep–Oct;28(5):564–7 (Eng. Abstr.) (Rus)

[Antibodies to hepatitis A and B viral antigens in commercial gamma–globulin preparations] Viazov SO, et al. **Vopr Virusol** 1983 Sep–Oct;28(5):542–5 (Eng. Abstr.) (Rus)

[Use of the radial hemolysis reaction for titrating antirabies sera] Zgurskaia GN, et al. **Vopr Virusol** 1984 May–Jun; 29(3):360–1 (Rus)

[Immunological markers of viral hepatitis in commercial series of immunoglobulin] Burlev VA, et al. **Vrach Delo** 1983 Nov;(11):112–4 (Eng. Abstr.) (Rus)

[Antibodies to the antigenic markers of viral hepatitis in biologically active fluids of the human reproductive system] Burlev VA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Mar;(3):112–5 (Eng. Abstr.) (Rus)

[Detection of antibodies against enterovirus 71 in the sera of Moscow residents] Kravchenko AT, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Mar;(3):94–5 (Eng. Abstr.) (Rus)

[Dynamics of population immunity to influenza A and B viruses resulting from the introduction of a comprehensive influenza control system in a city] Kustikova IuG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Mar;(3):103–6 (Eng. Abstr.) (Rus)

[Data from a serological survey of the population of the Republic of Congo for the presence of antibodies to orthopoxviruses. II. The species identification of the antibodies by using a solid–phase variant of immunoenzyme method] Mal'tseva NN, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Apr;(4):64–7 (Eng. Abstr.) (Rus)

[Data from the serological examination of the population of the Republic of Congo for the presence of antibodies to orthopoxviruses. I. A comparative evaluation of different study methods and general results] Marennikova SS, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Mar;(3):95–100 (Eng. Abstr.) (Rus)

[Duration of the preservation of postvaccinal immunity against measles and the results of a repeat immunization of children with various initial antibody levels] Sokhin AA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Sep; (9):79–85 (Eng. Abstr.) (Rus)

[Importance of secretory antibodies in nonsusceptibility to influenza B disease and the prevention of the spread of this virus] Tsybul'skaia NV, et al.

Zh Mikrobiol Epidemiol Immunobiol 1983 Jul;(7):81–3 (Eng. Abstr.) (Rus)

[Latent herpesvirus hominis type 1 infection in the mother and passive acquired immunity in the newborn infant] Bujko-Klisura M, et al. Jugosl Ginekol Opstet 1983 May-Aug;23(3-4):55–7 (Eng. Abstr.) (Scr)

[Detection of immunoglobulins M and G against cytomegaloviruses in human serum using the immunoenzyme test (ELISA)] Presečki V, et al. Lijec Vjesn 1984 Jun;106(6):245–8 (Eng. Abstr.) (Scr)

[IgM class antibodies against hepatitis A viruses in the differentiation of viral hepatitis] Živanović-Marinković V, et al. Zb Vojnomed Akad 1982;24:24–7 (Eng. Abstr.) (Scr)

[Clinical and virological aspects of subacute sclerosing panencephalitis] Libiková H, et al. Bratisl Lek Listy 1983 Jul;80(1):3–18 (Eng. Abstr.) (Slo)

[Exanthematous viral diseases and measles: serology] Pérez-Chóliz V, et al. An Esp Pediatr 1984 Jan;20(1):8–17 (Eng. Abstr.) (Spa)

[Measles antibodies in women seeking a prenuptial medical certificate in Mar del Plata, Argentina] Pereira F, et al. Bol Of Sanit Panam 1984 Mar;96(3):198–204 (Eng. Abstr.) (Spa)

[Value of the determination of anti-HAV IgM in the diagnosis of hepatitis A] Portell A, et al. Med Clin (Barc) 1984 Mar 31;82(12):519–21 (Eng. Abstr.) (Spa)

[Prevalence of anti-HAV in the Spanish population] Carreño García V, et al. Rev Esp Enferm Apar Dig 1983 Sep; 64(3):187–90 (Eng. Abstr.) (Spa)

[Complement-fixing antibodies against Venezuelan equine encephalitis virus in the populations of Corrientes and Chaco, Argentina] Bargardi S, et al. Rev Latinoam Microbiol 1983 Jul-Sep;25(3):167–71 (Eng. Abstr.) (Spa)

[Prevalence of antibodies against the rubeola virus in an isolated Indian community, north of Para, Brazil] Linhares AC, et al. Rev Latinoam Microbiol 1983 Apr-Jun; 25(2):131–6 (Eng. Abstr.) (Spa)

[Anti-cytomegalovirus antibodies in patients of a clinic for sexually-transmitted diseases] Torregrosa Sánchez R, et al. Rev Latinoam Microbiol 1983 Oct-Dec;25(4):231–4 (Eng. Abstr.) (Spa)

[Sero-epidemiologic observations on influenza virus infections in the state of Nuevo León 1978–1979] Velazco Castanõn JG, et al. Rev Latinoam Microbiol 1982 Oct-Dec; 24(4):255–60 (Eng. Abstr.) (Spa)

[Anti-hepatitis virus antibodies in hospital personnel] Puelma E, et al. Rev Med Chil 1983 Oct;111(10):1033–4 (Eng. Abstr.) (Spa)

[Plaque formation by enterovirus 70 and its application to the neutralization test for antibody detection] Justines G, et al. Rev Med Panama 1984 May;9(2):100–4 (Eng. Abstr.) (Spa)

[Rubella: contribution to the knowledge of the immune state in the province of Badajoz] Gimeno Ortiz A, et al. Rev Sanid Hig Publica (Madr) 1983 May-Jun; 57(5–6):499–508 (Eng. Abstr.) (Spa)

[Antibodies against rotaviruses and their immunologic strain, in children less than a year old] Luna Jaramillo MM, et al. Salud Publica Mex 1983 Jul-Aug;25(4):373–7 (Eng. Abstr.) (Spa)

BIOSYNTHESIS

The dynamics of serum antibodies and metaplasia of the lung respiratory epithelium in influenza-virus-preimmunized mice subjected to immunosuppression. Semkow R, et al. Acta Microbiol Pol 1984;33(1):51–5

Metaplasia of the lung respiratory epithelium and antibody dynamics in mice repeatedly infected with various subtypes of influenza virus A. Wilczyński J, et al. Acta Microbiol Pol 1984;33(1):45–9

Varicella zoster antibody titers after the administration of intravenous immune serum globulin or varicella zoster immune globulin. Paryani SG, et al. Am J Med 1984 Mar 30;76(3A):124–7

Selection of attenuated dengue 4 viruses by serial passage in primary kidney cells. V. Human response to immunization with a candidate vaccine prepared in fetal rhesus lung cells. Eckels KH, et al. Am J Trop Med Hyg 1984 Jul;33(4):684–9

Genetic differences in serum-neutralization titers of pigs after vaccination with pseudorabies modified live-virus vaccine. Rothschild MF, et al. Am J Vet Res 1984 Jun;45(6):1216–8

Local immunity in rotaviral infections. Bachmann PA, et al. Ann Rech Vet 1983;14(4):502–6

The pathogenesis of infectious bursal disease: serologic, histopathologic, and clinical chemical observations. Ley DH, et al. Avian Dis 1983 Oct-Dec;27(4):1060–85

Maternal antibody and its effect on infectious bursal disease immunization. Naqi SA, et al. Avian Dis 1983 Jul-Sep; 27(3):623–31

Role of spleen in immune response to polyvalent pneumococcal vaccine. Di Padova F, et al. Br Med J [Clin Res] 1983 Dec 17;287(6408):1829–32

Nude mice injected with DNA released by antigen stimulated human T lymphocytes produce specific antibodies expressing human characteristics. Anker P, et al. Cell Biochem Funct 1984 Jan;2(1):33–7

The effect of liposomal charge on the neutralizing antibody response against inactivated encephalomyocarditis and Semliki Forest viruses. Kraaijeveld CA, et al. Clin Exp Immunol 1984 Jun;56(3):509–14

Swine fever. Immunisation of piglets. Precausta P, et al. Comp Immunol Microbiol Infect Dis 1983;6(4):281–9

Induction of neutralizing antibodies by type 1 poliovirus VP1 capsid polypeptide. Crainic R, et al. Dev Biol Stand 1983; 55:185–9

Human lymphoblastoid cell lines established from peripheral blood lymphocytes secreting immunoglobulins directed against herpes simplex virus. Evans L, et al. Immunol Lett 1984;8(1):39–42

Antibody response of guinea pig to polio viruses. Gupta CK, et al. Indian J Pathol Microbiol 1983 Apr;26(2):127–32

Induction of cross-reactive serum neutralizing antibody to human rotavirus in calves after in utero administration of bovine rotavirus. Wyatt RG, et al. J Clin Microbiol 1983 Sep;18(3):505–8

Revaccination response of cattle as a function of the 140S foot and mouth disease antigen dose. Black L, et al. J Comp Pathol 1984 Jul;94(3):417–24

Strain difference in immune response of the rat to NRK cells infected with spleen focus-forming virus of the Friend leukaemia virus complex. Kai K, et al. J Gen Virol 1983 Oct;64 (Pt 10):2169–76

A one-year study of trivalent influenza vaccines in primed and unprimed volunteers: immunogenicity, clinical reactions and protection. Masurel N, et al. J Hyg (Lond) 1984 Jun;92(3):263–76

The immunoglobulin M response to rubella vaccine in young adult women. Mortimer PP, et al. J Hyg (Lond) 1984 Jun; 92(3):277–83

The duration of immunity in cattle following inoculation of rinderpest cell culture vaccine. Plowright W. J Hyg (Lond) 1984 Jun;92(3):285–96

The antibody response to a single antigenic determinant of the tobacco mosaic virus protein (TMVP): effects of allotype-linked genes and restricted heterogeneity of the response. Morrow PR, et al. J Immunol 1983 Dec; 131(6):2875–81

Humoral antibody response to individual viral proteins after murine cytomegalovirus infection. Selgrade MK, et al. J Immunol 1983 Dec;131(6):3032–5

Clearance of feline leukemia virus from persistently infected pet cats treated by extracorporeal immunoadsorption is correlated with an enhanced antibody response to FeLV gp 70. Snyder HW Jr, et al. J Immunol 1984 Mar; 132(3):1538–43

Modified-self-induced modulation of the immune response to herpes simplex virus: effect on antibody formation, cytotoxic T lymphocyte induction, and survival. Wilson LA, et al. J Immunol 1984 Mar;132(3):1522–8

Specificity of in vitro anti-influenza virus antibody production by human lymphocytes: analysis of original antigenic sin by limiting dilution cultures. Yarchoan R, et al. J Immunol 1984 Feb;132(2):928–35

Dengue virus type 2 vaccine: reactogenicity and immunogenicity in soldiers. Bancroft WH, et al. J Infect Dis 1984 Jun;149(6):1005–10

The effects of acyclovir on antibody response to herpes simplex virus in primary genital herpetic infections. Bernstein DI, et al. J Infect Dis 1984 Jul;150(1):7–13

Dose response of influenza A/Washington/897/80 (H3N2) cold-adapted reassortant virus in adult volunteers. Clements ML, et al. J Infect Dis 1984 May;149(5):814–5

Herpes simplex virus type-2 glycoprotein-subunit vaccine: tolerance and humoral and cellular responses in humans. Mertz GJ, et al. J Infect Dis 1984 Aug;150(2):242–9

Dose response of cold-adapted, reassortant influenza A/California/10/78 virus (H1N1) in adult volunteers. Murphy BR, et al. J Infect Dis 1984 May;149(5):816

Complement-dependent, Epstein-Barr virus-neutralizing antibody appearing early in the sera of patients with infectious mononucleosis. Sairenji T, et al. J Infect Dis 1984 May;149(5):763–8

Molecular dissection of the humoral immune response to individual varicella-zoster viral proteins during chickenpox, quiescence, reinfection, and reactivation. Weigle KA, et al. J Infect Dis 1984 May;149(5):741–9

The immune response of healthy Nigerian adults to small doses of hepatitis B vaccine: comparison of 10- and 20-micrograms doses. Ayoola EA. J Med Virol 1984; 13(3):223–5

Comparative immunogenicity studies on Epstein-Barr virus membrane antigen (MA) gp340 with novel adjuvants in mice, rabbits, and cotton-top tamarins. Morgan AJ, et al. J Med Virol 1984;13(3):281–92

Anti-idiotypic antibodies induce neutralizing antibodies to rabies virus glycoprotein. Reagan KJ, et al. J Virol 1983 Dec;48(3):660–6

Antibody response following customary use of MMR vaccine [letter] Balfour HH Jr, et al. JAMA 1984 Jun 22–29; 251(24):3223–4

Hematologic and immunologic responses in common marmosets (Callithrix jacchus) infected with Plasmodium knowlesi and Epstein-Barr virus. Felton SC, et al. Lab Anim Sci 1984 Apr;34(2):164–8

Production of specific antibodies by CSF lymphocytes in patients with herpes zoster [letter] Forsberg P, et al. Lancet 1984 Feb 18;1(8373):404–5

Chloroquine prophylaxis associated with a poor antibody response to human diploid cell rabies vaccine [letter] Taylor DN, et al. Lancet 1984 Jun 23;1(8391):1405

Response of puppies to canine-origin parvovirus vaccines. Carmichael LE, et al. Mod Vet Pract 1984 Feb;65(2):99–102

Immunological traits in generations 7 to 12 of two lines of Japanese quail selected for high or low antibody response to Newcastle disease virus. Inooka S, et al. Poult Sci 1984 Jul;63(7):1298–302

Multivalent inactivated virus oil emulsion vaccines in broiler breeder chickens. I. Newcastle disease virus and infectious bursal disease virus bivalent vaccines. Thayer SG, et al. Poult Sci 1983 Oct;62(10):1978–83

Sequential development of humoral immunity and assessment of protection in chickens following vaccination and challenge with avian infectious bronchitis virus. Darbyshire JH, et al. Res Vet Sci 1984 Jul;37(1):77–86

Antibody response in bovine pharyngeal fluid following foot-and-mouth disease vaccination and, or, exposure to live virus. Francis MJ, et al. Res Vet Sci 1983 Sep; 35(2):206–10

Serological response of pigs infected with Aujeszky's disease virus. Martin S, et al. Res Vet Sci 1983 Sep;35(2):227–33

Immunoglobulin class response to canine distemper virus in gnotobiotic dogs. Winters KA, et al. Vet Immunol Immunopathol 1983 Dec;5(2):209–15

Antibody responses of guinea-pigs, rabbits and pigs to inactivated porcine parvovirus vaccines. Joo HS, et al. Vet Microbiol 1984 Feb;9(1):27–33

Trials of an inactivated equid herpesvirus 1 vaccine: challenge with a subtype 2 virus. Mumford JA, et al. Vet Rec 1984 Apr 14;114(15):375–81

Course of malignant catarrhal fever in immunosuppressed and immunostimulated rabbits. Rurangirwa FR, et al. Vet Res Commun 1984 Feb;8(1):47–54

Induction of neutralizing antibodies by all three structural poliovirus polypeptides. Dernick R, et al. Virology 1983 Oct 15;130(1):243–6

Studies on transplacental transmissibility of a Bovine Virus Diarrhoea (BVD) vaccine virus. I. Inoculation of pregnant cows 15 to 90 days before parturition (190th to 265th day of gestation). Orban S, et al. Zentralbl Veterinarmed [B] 1983 Sep;30(8):619–34

[Role of humoral immunity in the host-virus relationship] Virelizier JL. Presse Med 1983 Nov 17;12(41):2583–6 (Fre)

[Antibody formation and preservation against the envelope antigens of influenza virus subtype A(H3N2) after infection and vaccination] Stumpa A, et al. Tr Inst Pastera 1982; 59:23–8 (Rus)

[Intercellular information transfer in the process of immunogenesis. IX. The induction of the synthesis of antiphage antibodies in lymphosarcoma cells of rats as affected by different fractions of immune nuclear RNA] Pogodina ON, et al. Tsitologiia 1983 Aug;25(8):953–7 (27 ref.) (Eng. Abstr.) (Rus)

[Effect of a bone marrow stimulator of antibody producers on virus-specific antibody formation in animals infected with flaviviruses] Petrov RV, et al. Zh Mikrobiol Epidemiol Immunobiol 1983 Nov;(11):67–71 (Eng. Abstr.) (Rus)

[The effect of adjuvant substances on the antigenic activity of cellular antirabies vaccine in experiments on cattle] Augustinský V, et al. Vet Med (Praha) 1983 Dec; 28(12):717–26 (Eng. Abstr.) (Slo)

CEREBROSPINAL FLUID

Viral immunoblotting: a sensitive method for detecting viral-specific oliogoclonal bands in unconcentrated cerebrospinal fluid. Moyle S, et al. Biosci Rep 1984 Jun; 4(6):505–10

Multiple sclerosis: subclasses of intrathecally synthesized IgG and measles and varicella zoster virus IgG antibodies. Vartdal F, et al. Clin Exp Immunol 1983 Dec;54(3):641–7

Spinal fluid monoamine metabolites and anti-cytomegalovirus antibodies and brain scan evaluation in schizophrenia. van Kammen DP, et al. Psychopharmacol Bull 1984 Summer;20(3):519–22

CLASSIFICATION

Characterization of the subclasses and light chain types of IgG antibodies to rubella. Skvaril F, et al. Clin Exp Immunol 1984 Mar;55(3):671–6

GENETICS

Selective breeding for high and low antibody responses to inactivated Newcastle disease virus in Japanese quails. Takahashi S, et al. Poult Sci 1984 Apr;63(4):595–9

IMMUNOLOGY

Early acquisition of cytomegalovirus antibodies in communal settlements (kibbutzim) in Israel. Morag A, et al. Am J Epidemiol 1984 Feb;119(2):238–43

Yellow fever monoclonal antibodies: type-specific and cross-reactive determinants identified by immunofluorescence. Monath TP, et al. Am J Trop Med Hyg 1984 Jul;33(4):695–8

Lower rates of oral transmission of La Crosse virus by Aedes triseriatus venereally exposed after engorgement on immune chipmunks. Thompson WH. Am J Trop Med Hyg 1983 Nov;32(6):1416–21

Antibody and complement-mediated cytotoxicity for bovine parainfluenza-3 virus-infected cells. Hussain A, et al.

Am J Vet Res 1984 Jun;45(6):1219–21

Transmission of hepatitis A by transfusion of blood products. Sherertz RJ, et al. **Arch Intern Med** 1984 Aug; 144(8):1579–80

Biological functions of monospecific antibodies to envelope glycoproteins of Newcastle disease virus. Umino Y, et al. **Arch Virol** 1984;81(1–2):53–65

Prevalence of specific markers of viral hepatitis A and B among an Ethiopian population. Gebreselassie L. **Bull WHO** 1983;61(6):991–6

Results of a two-year study of humoral immunity to influenza A and B viruses in children under the age of 14 years in Moscow and its suburbs. Slepushkin AN, et al. **Bull WHO** 1984;62(1):75–82

Feline cytotoxic immune mechanisms against virus-associated leukemia and fibrosarcoma. McCarty JM, et al. **Cell Immunol** 1983 Oct 1;81(1):157–68

Cross-protection in mice infected with influenza A virus by the respiratory route is correlated with local IgA antibody rather than serum antibody or cytotoxic T cell reactivity. Liew FY, et al. **Eur J Immunol** 1984 Apr;14(4):350–6

Recognition of autologous lymphoblastoid cells by cloned human T cells: inhibition of cytotoxicity by anti-HLA antibody but not by antibody to Epstein-Barr virus induced cell surface antigen. Hank JA, et al. **Hum Immunol** 1984 Apr;9(4):211–9

Monoclonal antibodies specific for the virion polypeptide, p27, of avian retroviruses. Parsons SJ, et al. **Hybridoma** 1984;3(1):25–31

Monoclonal antibodies protect against respiratory syncytial virus infection in mice. Taylor G, et al. **Immunology** 1984 May;52(1):137–42

Ability of human cord blood lymphocytes to mediate antibody-dependent cellular cytotoxicity against influenza virus-infected cells. Hashimoto G, et al. **Infect Immun** 1983 Oct;42(1):214–8

Mechanisms of immunity to respiratory syncytial virus in cotton rats. Prince GA, et al. **Infect Immun** 1983 Oct; 42(1):81–7

A stimulatory role for cytomegalovirus (CMV) antibodies in CMV-specific lymphocyte proliferation in vitro. Schirm J, et al. **Intervirology** 1983;20(2–3):114–22

Use of the biotin–avidin system to study the specificity of antibodies against respiratory syncytial virus. Anderson LJ, et al. **J Clin Microbiol** 1984 Jun;19(6):934–6

Production and characterization of monoclonal antibodies specific for a glycosylated polypeptide of human cytomegalovirus. Kim KS, et al. **J Clin Microbiol** 1983 Aug;18(2):331–43

Serum antibody responses in naturally occurring influenza A virus infection determined by enzyme-linked immunosorbent assay, hemagglutination inhibition, and complement fixation. Madore HP, et al. **J Clin Microbiol** 1983 Dec;18(6):1345–50

Presumptive identification of Vibrio species with H antiserum. Tassin MG, et al. **J Clin Microbiol** 1983 Aug; 18(2):400–7

Flavivirus infection enhancement in macrophages: radioactive and biological studies on the effect of antibody on viral fate. Gollins SW, et al. **J Gen Virol** 1984 Aug;65 (Pt 8):1261–72

Production of monoclonal antibodies to viruses in the potyvirus group: use in radioimmunoassay. Hill EK, et al. **J Gen Virol** 1984 Mar;65 (Pt 3):525–32

Antibody-mediated enhancement of rabies virus infection in a mouse macrophage cell line (P388D1). King AA, et al. **J Gen Virol** 1984 Jun;65 (Pt 6):1091–3

Evidence that avian tumour virus–immune chicken sera recognize only viral structural antigens on the surface of avian tumour virus-infected cells. Qualtiere LF, et al. **J Gen Virol** 1983 Nov;64 (Pt 11):2387–97

Newcastle disease virus: the effect of monoclonal antibody in the overlay on virus penetration and the immunoselection of variants. Russell PH. **J Gen Virol** 1984 Apr;65 (Pt 4):795–8

The effect of maternally derived antibodies on the response of calves to vaccination against foot and mouth disease. Nicholls MJ, et al. **J Hyg (Lond)** 1984 Feb;92(1):105–16

Cytolytic T lymphocyte and antibody responses to synthetic peptides of influenza virus hemagglutinin. Wabuke-Bunoti MA, et al. **J Immunol** 1984 Oct;133(4):2194–201

Antibody-dependent cell-mediated cytotoxicity against influenza virus-infected cells. Hashimoto G, et al. **J Infect Dis** 1983 Nov;148(5):785–94

Analysis in human neonates of defective antibody-dependent cellular cytotoxicity and natural killer cytotoxicity to herpes simplex virus-infected cells. Kohl S, et al. **J Infect Dis** 1984 Jul;150(1):14–9

The role of antibody and complement in the control of viral infections. Cooper NR, et al. **J Invest Dermatol** 1984 Jul; 83(1 Suppl):121s–127s (34 ref.)

An electron microscope study of three-component immune complexes. Almeida JD, et al. **J Med Virol** 1984; 13(3):301–12

Monoclonal antibodies to hepatitis A virus. Dawson GJ, et al. **J Med Virol** 1984;14(1):1–8

Monoclonal antibodies to herpes simplex virus type 1 glycoproteins show that epitope location influences virus neutralization. La Thangue NB, et al. **J Med Virol** 1984; 13(3):227–42

Relationship between type specific antibodies to herpes simplex virus and type specificity in human sera. Ozaki Y, et al. **J Med Virol** 1983;12(2):103–9

Trypanosoma vivax, stock V953: inhibitory effect of type A influenza virus anti-HAV8 serum on in vitro neuraminidase (sialidase) activity. Esievo KA. **J Parasitol** 1983 Jun;69(3):491–5

Macrophage Fc receptors control infectivity and neutralization of canine distemper virus–antibody complexes. Appel MJ, et al. **J Virol** 1984 Sep;51(3):643–9

Influenza virus–induced immune complexes suppress alveolar macrophage phagocytosis. Astry CL, et al. **J Virol** 1984 May;50(2):287–92

Bivalent attachment of antibody onto poliovirus leads to conformational alteration and neutralization. Emini EA, et al. **J Virol** 1983 Nov;48(2):547–50

Antibodies against a nonapeptide of polyomavirus middle T antigen: cross-reaction with a cellular protein(s). Ito Y, et al. **J Virol** 1983 Dec;48(3):709–20

Intertypic cross-reactions of nonneutralizing, monoclonal poliovirus antibodies. Vrijsen R, et al. **J Virol** 1984 Mar; 49(3):1002–4

Use of the cross-reactivity with hepatitis B virus antigens and antibodies for the demonstration of a woodchuck hepatitis virus 'e' antigen–antibody system. Hantz O, et al. **J Virol Methods** 1983 Jul;7(1):45–55

Prevention of rotavirus infection by cow colostrum antibody against human rotaviruses [letter] Ebina T, et al. **Lancet** 1983 Oct 29;2(8357):1029–30

Unregulated production of virus and/or sperm specific anti-idiotypic antibodies as a cause of AIDS. Hsia S, et al. **Lancet** 1984 Jun 2;1(8388):1212–4

High prevalence of lymphadenopathy virus (LAV) in European haemophiliacs [letter] Melbye M, et al. **Lancet** 1984 Jul 7;2(8393):40–1

Autoantibodies are anti-idiotype antibodies to antiviral antibodies. Plotz PH. **Lancet** 1983 Oct 8;2(8354):824–6

Antibody to lymphadenopathy-associated virus in haemophiliacs with and without AIDS [letter] Ramsey RB, et al. **Lancet** 1984 Aug 18;2(8399):397–8

Antibody to human T cell leukaemia virus type III in Australian homosexual men with lymphadenopathy. Frazer IH, et al. **Med J Aust** 1984 Sep 1;141(5):274–6

Electron microscopic examination of the reactivity of three kinds of neutralizing antibodies with H particles of poliovirus. Taniguchi K, et al. **Microbiol Immunol** 1983; 27(7):645–8

Response of calves previously inoculated with inactivated herpes simplex virus to challenge exposure with Bovid herpesvirus 2. Castrucci G, et al. **Microbiologica** 1984 Apr; 7(2):171–8

Idiotypic studies of monoclonal anti-tobacco mosaic virus antibodies from one mouse. Slaoui M, et al. **Mol Immunol** 1983 Oct;20(10):1073–80

Role of thymus-dependent lymphocytes and antibodies in feline infectious peritonitis after oral infection. Hayashi T, et al. **Nippon Juigaku Zasshi** 1983 Dec;45(6):759–66

Role of circulating antibodies in feline infectious peritonitis after oral infection. Hayashi T, et al. **Nippon Juigaku Zasshi** 1983 Aug;45(4):487–94

Antibodies to the Epstein-Barr virus nuclear antigen and to rheumatoid arthritis nuclear antigen identify the same polypeptide. Billings PB, et al. **Proc Natl Acad Sci USA** 1983 Dec;80(23):7104–8

Antibodies against a synthetic peptide identify the Epstein-Barr virus-determined nuclear antigen. Dillner J, et al. **Proc Natl Acad Sci USA** 1984 Aug;81(15):4652–6

Antigenic modulation: a mechanism of viral persistence. Fujinami RS, et al. **Prog Brain Res** 1983;59:105–11

Paramyxovirus and morbillivirus infections and their relationship to neurological disease. Russell WC. **Prog Brain Res** 1983;59:113–32 (60 ref.)

Role of neutralising antibody in passive immunity to bluetongue infection. Jeggo MH, et al. **Res Vet Sci** 1984 Jan;36(1):81–6

Reactogenicity, immunogenicity, and antibody persistence in adults given inactivated influenza virus vaccines – 1978. Cate TR, et al. **Rev Infect Dis** 1983 Jul–Aug;5(4):737–47

A postulated role in viral immunity for class-I major histocompatibility complex pseudogenes. Kindt TJ. **Scand J Immunol** 1984 Jul;20(1):1–5

Prevalence of antibodies to Epstein-Barr virus (EBV) in childhood and adolescence in Denmark. Hesse J, et al. **Scand J Infect Dis** 1983;15(4):335–8

Antibodies to the core protein of lymphadenopathy-associated virus (LAV) in patients with AIDS. Kalyanaraman VS, et al. **Science** 1984 Jul 20; 225(4659):321–3

HLA-DR antigens and the antibody response against Epstein-Barr virus. Cohen JH, et al. **Tissue Antigens** 1984 Mar;23(3):156–62

Location of immunodominant antigenic determinants on fragments of the tick-borne encephalitis virus glycoprotein: evidence for two different mechanisms by which antibodies mediate neutralization and hemagglutination inhibition. Heinz FX, et al. **Virology** 1983 Oct 30;130(2):485–501

Antibody directed to a synthetic peptide encoding the NH2-terminal 16 amino acids of the adenovirus type 2 E1B-53K tumor antigen recognizes the E1B-20K tumor antigen. Lucher LA, et al. **Virology** 1984 Jan 15; 132(1):217–21

Monoclonal antibodies to the HN glycoprotein of Newcastle disease virus. Biological characterization and use for strain comparisons. Nishikawa K, et al. **Virology** 1983 Oct 30; 130(2):318–30

[Inhibition of NDV reproduction with antibodies against its F protein] Vasileva L, et al. **Vet Med Nauki** 1983;20(7):9–16 (Eng. Abstr.) **(Bul)**

[Specific antibodies against human T cell leukemia virus found in AIDS patients] Nagy K, et al. **Orv Hetil** 1984 Jun 24;125(26):1557–60 (Eng. Abstr.) **(Hun)**

[Neutralizing and inhibiting activity of hemagglutination of serum antibodies after natural infection and after vaccination with influenza virus A/USSR/90/77 (H1N1) strain] Profeta ML, et al. **Boll Ist Sieroter Milan** 1983 May 31;62(2):130–6 (Eng. Abstr.) **(Ita)**

[Specific inhibitor-free antiserum to hemagglutinin of influenza virus H1] Beisembaeva RU, et al. **Lab Delo** 1984; (5):312–4 (Eng. Abstr.) **(Rus)**

[Variability of the influenza A/Hong Kong virus under laboratory conditions as affected by antibodies] Kudriavtseva VK, et al. **Tr Inst Pastera** 1982;58:47–54 **(Rus)**

[Antiviral action of monoclonal antibodies] Novokhatskii AS, et al. **Vopr Virusol** 1983 Sep–Oct;28(5):567–70 (Eng. Abstr.) **(Rus)**

[Combined antiviral effect of synthetic polyribonucleotide interferonogens and specific antiviral antibodies in arbovirus infections] Vil'ner LM, et al. **Vopr Virusol** 1984 May–Jun;29(3):334–7 (Eng. Abstr.) **(Rus)**

[Effect of the content of hepatitis A antibodies in immunoglobulin preparations on the effectiveness of the immunoglobulin prophylaxis of hepatitis A] Gorbunov MA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Jun; (6):86–9 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Comparison between an enzyme linked immunosorbent assay and a complement fixation test in assessing the age-related acquisition of cytomegalovirus antibodies in groups of the population living in Belgium. Ravaoarinoro M, et al. **Acta Clin Belg** 1984;39(1):6–12

Coxsackie B virus antibodies in myocardial infarction. Nikoskelainen J, et al. **Acta Med Scand** 1983;214(1):29–32

Development of antibody to measles virus polypeptides during complicated and uncomplicated measles virus infections. Graves M, et al. **J Virol** 1984 Feb;49(2):409–12

Detection of antibody to epizootic diarrhea of infant mice (EDIM) virus. Smith AL, et al. **Lab Anim Sci** 1983 Oct; 33(5):442–5

Immunoglobulin classes of anti-Sendai virus antibody detected by ELISA in infected nude mouse serum. Iwai H, et al. **Microbiol Immunol** 1984;28(4):481–91

Serological investigations concerning the presence of antibodies to arboviruses in wild birds. Antipa C, et al. **Virologie** 1984 Jan–Mar;35(1):5–9

Further data on the prevalence of serum antibodies to papova viruses (BK and SV40) in subjects from the Romanian area with Balkan endemic nephropathy. Nastac E, et al. **Virologie** 1984 Jan–Mar;35(1):65–7

[Present status of infectious mononucleosis and Epstein Barr virus] Ducroix JP, et al. **LARC Med** 1984 Mar;4(3):161–3 (Eng. Abstr.) **(Fre)**

[Antibodies against human T-cell leukemia virus (HTLV) in male homosexuals with acquired immunodeficiency syndrome] Kurth R, et al. **MMW** 1983 Dec 2; 125(48):1119–23 (Eng. Abstr.) **(Ger)**

[Antibodies against non-structural antigens of Epstein-Barr virus in children with infectious mononucleosis] Najberg G. **Med Dosw Mikrobiol** 1983;35(1):55–9 (Eng. Abstr.) **(Pol)**

[Humoral and cellular immunity to selected viral antigens in children from the Bełchatów Industrial Region] Stempień R, et al. **Med Dosw Mikrobiol** 1983; 35(3–4):259–68 (Eng. Abstr.) **(Pol)**

[Cytomegalovirus antibodies in patients and personnel of a hemodialysis unit] Szepietowski T, et al. **Pol Arch Med Wewn** 1983 Sep;70(3):101–10 (Eng. Abstr.) **(Pol)**

[Production of highly active immune sera against hepatitis B surface antigen] Anan'ev VA, et al. **Lab Delo** 1983; (7):43–5 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Absence of dengue 2 infection enhancement in human sera containing Japanese encephalitis antibodies. Putvatana R, et al. **Am J Trop Med Hyg** 1984 Mar;33(2):288–94

Inhibition of T cell proliferation by antibodies to synthetic peptides. Lamb JR, et al. **Eur J Immunol** 1984 Feb; 14(2):153–7

Mitogenic effect of anti-Friend leukemia virus antiserum on T cells. Senn HP, et al. **Eur J Immunol** 1983 Oct; 13(10):824–30

Antibody-mediated infection of P388D1 cells with 17D yellow fever virus: effects of chloroquine and cytochalasin B. Brandriss MW, et al. **J Gen Virol** 1984 Apr;65 (Pt 4):791–4

Antigenic structure of hepatitis B surface antigen: identification of the 'd' subtype determinant by chemical modification and use of monoclonal antibodies. Peterson DL, et al. **J Immunol** 1984 Feb;132(2):920–7

Antibody-mediated enhancement of dengue virus infection in mouse macrophage cell lines, Mk1 and Mm1. Hotta H, et al. **Proc Soc Exp Biol Med** 1984 Mar;175(3):320–7

STANDARDS

[Anti-HAV-specific immunoglobulins] Maniez-Montreuil M, et al. **Rev Fr Transfus Immunohematol** 1983 Nov; 26(5):531-8 (Eng. Abstr.) (Fre)

ANTIBODY AFFINITY

Grouping of haemolytic streptococci by monoclonal antibodies: determinant specificity, cross-reactivity and affinity. Herbst H, et al. **Ann Immunol (Paris)** 1983 Nov-Dec;134D(3):349-71

The effect of somatic mutation on antibody affinity. Gearhart PJ. **Ann NY Acad Sci** 1983;418:171-6

Glomerulonephritis induced by pre-formed immune complexes containing monoclonal antibodies of defined affinity and isotype. Lew AM, et al. **Clin Exp Immunol** 1984 Aug;57(2):413-22

Direct binding of radioiodinated monoclonal antibody to tumor cells: significance of antibody purity and affinity for drug targeting or tumor imaging. Kennel SJ, et al. **Hybridoma** 1983;2(3):297-310

A rapid method for the determination of antibody affinity. Griswold WR, et al. **Immunol Lett** 1984;7(4):229-32

Failure of affinity maturation leads to increased susceptibility to immune complex glomerulonephritis. Devey ME, et al. **Immunology** 1984 Jun;52(2):377-83

Glomerulonephritis: the use of grafted hybridomas to investigate the role of epitope density, antibody affinity and antibody isotype in active serum sickness. Lew AM, et al. **Immunology** 1984 Jun;52(2):367-76

Binding of murine immunoglobulin to human tissues after immunotherapy with anticolorectal carcinoma monoclonal antibody. Shen JW, et al. **Int J Cancer** 1984 Apr 15; 33(4):465-8

Theoretical analysis of the Farr antibody assay with a computer model: importance of antigen concentration and antibody affinity. Griswold WR, et al. **J Immunoassay** 1984; 5(1-2):71-86

Tumor radioimmunolocation: differential antibody retention by antigenic normal tissue and tumor. Ballou B, et al. **J Immunol** 1984 Apr;132(4):2111-6

The modeled structure of the IgG Gar VL region and its implications for anti-flavin and anti-DNP fine specificities. Kiefer CR, et al. **J Immunol** 1983 Oct;131(4):1871-5

A circular antibody-antigen complex is responsible for increased affinity shown by mixtures of monoclonal antibodies to human chorionic gonadotropin. Moyle WR, et al. **J Immunol** 1983 Oct;131(4):1900-5

Measurement of affinity constants of monoclonal antibodies [letter] Singh V. **J Immunol** 1983 Oct;131(4):2094

Determination of the affinity of antibodies to hepatitis B surface antigen in human sera. Brown SE, et al. **J Immunol Methods** 1984 Aug 3;72(1):41-8

Re: Affinity, avidity and the E-rosette receptor [letter] Higgins DA. **J Immunol Methods** 1984 Aug 3;72(1):305-6

The effect of epitope density and antibody affinity on the ELISA as analysed by monoclonal antibodies. Lew AM. **J Immunol Methods** 1984 Aug 3;72(1):171-6

Characterization of monoclonal antibodies against human chorionic somatomammotropin: competitive screening and determination of the affinity constants. Mariani M, et al. **J Immunol Methods** 1984 Jun 8;71(1):43-8

Relation between avidity and specificity of monoclonal anti-chlamydial antibodies in culture supernatants and ascitic fluids determined by enzyme immunoassay. Matikainen MT, et al. **J Immunol Methods** 1984 Sep 4; 72(2):341-7

Immunoaffinity purification of human complement component C9 using monoclonal antibodies. Morgan BP, et al. **J Immunol Methods** 1983 Nov 25;64(3):269-81

Influence of antibody affinity on the performance of different antibody assays. Nimmo GR, et al. **J Immunol Methods** 1984 Aug 3;72(1):177-87

Mathematical analysis of antiserum titre and affinity in rabbits injected with 11 alpha OH-progesterone-hemisuccinate-BSA. Motta M, et al. **J Steroid Biochem** 1983 Dec;19(6):1769-74

Analysis of the parameter constraints for a proposed antibody affinity distribution. Bruni C, et al. **J Theor Biol** 1984 Jul 7;109(1):71-6

Graphical determination of affinity constant for labeled and unlabeled ligand from angiotensin I radioimmunoassay. Ikeda I, et al. **Kaku Igaku** 1983 May;20(4):385-90

Affinity of antibody responses in man to hepatitis B vaccine determined with synthetic peptides. Brown SE, et al. **Lancet** 1984 Jul 28;2(8396):184-7

Modification of batroxobin with activated polyethylene glycol: reduction of binding ability towards anti-batroxobin antibody and retention of defibrinogenation activity in circulation of preimmunized dogs. Nishimura H, et al. **Life Sci** 1983 Oct 10;33(15):1467-73

Direct measurement of antibody affinity distribution by hapten-inhibition enzyme immunoassay. Nieto A, et al. **Mol Immunol** 1984 Jun;21(6):537-43

Studies on lectin affinities of chicken alpha-fetoprotein during ontogeny. Neumann U. **Poult Sci** 1984 Feb; 63(2):360-8

Mink with Aleutian disease have high-affinity antiviral antibodies. Aasted B, et al. **Scand J Immunol** 1984 May; 19(5):411-8

[Analysis of the discrete structure of antibodies by affinity and antigen-binding capacity] Levi MI.

Zh Mikrobiol Epidemiol Immunobiol 1983 Oct;(10):71-6 (Eng. Abstr.) (Rus)

DRUG EFFECTS

A monoclonal antibody to human brain-type creatine kinase. Increased avidity with mercaptans. Jackson AP, et al. **Biochem J** 1983 Dec 1;215(3):505-12

ANTIBODY AVIDITY see **ANTIBODY AFFINITY**

ANTIBODY BINDING SITES see **BINDING SITES, ANTIBODY**

ANTIBODY-COATED BACTERIA TEST, URINARY see under **FLUORESCENT ANTIBODY TECHNIC**

ANTIBODY DEFICIENCY SYNDROME see **IMMUNOLOGIC DEFICIENCY SYNDROMES**

ANTIBODY-DEPENDENT CELL CYTOTOXICITY

Activation of NK activity and auto-reactive cytotoxicity after hepatectomy. Ono M, et al. **Acta Med Okayama** 1984 Apr;38(2):207-13

Dissociation of natural killer activity and antibody-dependent cellular cytotoxicity in spleen cells of tumor bearing mice. Ono M, et al. **Acta Med Okayama** 1983 Aug;37(4):367-76

Antibody-dependent cellular cytotoxicity (ADCC) and lymphocyte-mediated cytotoxicity (LMC) in patients with vascular disease and guinea pigs immunized with human vascular extracts. Horváth M, et al. **Allergol Immunopathol (Madr)** 1983 Jul-Aug;11(4):261-71

Susceptibility of insect-borne, metacyclic forms of Trypanosoma cruzi to antibody-mediated mechanisms of destruction. Kierszenbaum F, et al. **Am J Trop Med Hyg** 1983 Nov;32(6):1236-41

Correlation of cytotoxic activity in lungs to recovery of normal and gamma-irradiated cotton rats from respiratory syncytial virus infection. Sun CS, et al. **Am Rev Respir Dis** 1983 Oct;128(4):668-72

Antibody-dependent cellular cytotoxicity and natural killing in nude rats: quantitative study according to age and sex. Chassoux D, et al. **Ann Immunol (Paris)** 1983 Nov-Dec; 134D(3):309-18

Antibody-dependent cell-mediated cytotoxicity using monoclonal antibodies reacting with CEA. Imai K, et al. **Ann NY Acad Sci** 1983;417:443-51

Effect of Con A stimulation on antibody dependent cell-mediated cytotoxicity of human lymphocyte subpopulations. Michałkiewicz J, et al. **Arch Immunol Ther Exp (Warsz)** 1983;31(2):161-9

Lipid peroxide formation in liver cells, induced by antibody-dependent cell-mediated cytotoxic reaction. Mizoguchi Y, et al. **Arerugi** 1983 Sep;32(9):979-84

Macrophages bind directly to Semliki Forest virus-infected cells and mediate antibody-dependent cell-mediated cytotoxicity. Macfarlan RI, et al. **Aust J Exp Biol Med Sci** 1984 Apr;62 (Pt 2):193-7

Antibody-dependent-cellular-cytotoxicity against cultured human breast cancer cells mediated by human effector cells using monoclonal and polyclonal antibodies. Gore ME, et al. **Br J Cancer** 1983 Dec;48(6):877-9

Antibody-dependent cell-mediated cytotoxicity and spontaneous cell-mediated cytotoxicity against cells infected with porcine transmissible gastroenteritis virus. Cepica A, et al. **Can J Comp Med** 1983 Jul;47(3):298-303

Monocyte-mediated-antibody-dependent cellular cytotoxicity in malignant lymphoma and solid tumors. de Mulder PH, et al. **Cancer** 1984 Jun 1;53(11):2444-9

Humoral and cellular immune reactions against tumor cells in patients with urinary bladder carcinoma. Correlation between direct and antibody-dependent cell-mediated cytotoxicity. Hansson Y, et al. **Cancer Immunol Immunother** 1983;16(1):23-9

Decreased monocyte antibody-dependent cell-mediated toxicity in stage I-II malignant melanoma. Augmentation by subcutaneous Corynebacterium parvum. Murray JL, et al. **Cancer Immunol Immunother** 1984;17(1):66-8

Unusually efficient tumor cell lysis by human effectors of antibody-dependent cellular cytotoxicity mediated by monoclonal antibodies. Christiaansen JE, et al. **Cancer Res** 1984 Sep;44(9):3712-8

Altered tumor growth in vivo after immunization of mice with antitumor antibodies. Gorczynski RM, et al. **Cancer Res** 1984 Aug;44(8):3291-8

Immunological characterization of Hodgkin's and non-Hodgkin's lymphoma patients with high antibody titers against Epstein-Barr virus-associated antigens. Masucci G, et al. **Cancer Res** 1984 Mar;44(3):1288-300

Surgical stress-mediated suppression of murine natural killer cell cytotoxicity. Pollock RE, et al. **Cancer Res** 1984 Sep; 44(9):3888-91

Mechanism of cell-mediated cytotoxicity at the single-cell level. VII. Trigger of the lethal hit event is distinct for NK/K and LDCC effector cells as measured in the two-target conjugate assay. Bradley TP, et al. **Cell Immunol** 1984 Jan;83(1):199-207

Antibody-dependent cytotoxicity of human and mouse mononuclear cells against Trypanosoma cruzi epimastigotes. Cardoni RL, et al. **Cell Immunol** 1984 Jul; 86(2):518-24

Antibody-dependent cytolysis (ADCC) of tumor cells by activated murine macrophages is a two-step process: quantification of target binding and subsequent target lysis. Johnson WJ, et al. **Cell Immunol** 1984 Jan;83(1):170-80

Production of alpha-lymphotoxin by human T-cell subsets. Leopardi E, et al. **Cell Immunol** 1984 Jan;83(1):73-82

Monoclonal antibody against K562 cell line accelerates killing of the target cells by large granular lymphocytes. Park MM, et al. **Cell Immunol** 1984 Mar;84(1):94-103

Enhancement of human natural killer cell activity by subcellular components of Toxoplasma gondii. Sharma SD, et al. **Cell Immunol** 1984 Jul;86(2):317-26

Human host response to Giardia lamblia. II. Antibody-dependent killing in vitro. Smith PD, et al. **Cell Immunol** 1983 Dec;82(2):308-15

Natural killer cell defects resulting from thermal injury. Stein MD, et al. **Cell Immunol** 1984 Jul;86(2):551-6

Antibody-dependent cellular cytotoxicity of human vascular endothelium in systemic sclerosis. Penning CA, et al. **Clin Exp Immunol** 1984 Sep;57(3):548-56

Destruction of IgG anti-A sensitized erythrocytes by mononuclear leucocytes from normal and ABO haemolytic disease affected infants. Romano EL, et al. **Clin Exp Immunol** 1984 Feb;55(2):451-8

Surface receptors and immune activity of purified human mononuclear cells. II. The lack of correlation between rosette formation and ADCC cytotoxic activity. Richter M, et al. **Clin Invest Med** 1983;6(3):185-90

Complement-fixing islet cell antibodies in the spontaneously diabetic BB rat. Martin DR, et al. **Diabetes** 1984 Jan; 33(1):93-6

A prospective analysis of islet-cell cytotoxic antibodies in insulin-dependent diabetic children. Transient effects of plasmapheresis. Rabinovitch A, et al. **Diabetes** 1984 Mar; 33(3):224-8

Immune islet killing mechanisms associated with insulin-dependent diabetes: three rabbit antibody-mediated islet cell cytotoxicity models. Charles MA, et al. **Diabetologia** 1983 Oct;25(4):348-54

Rat IgE directed against schistosomula-released products is cytotoxic for Schistosoma mansoni schistosomula in vitro. Auriault C, et al. **Eur J Immunol** 1984 Feb;14(2):132-8

Both Fc receptors and lymphocyte-function-associated antigen 1 on human T gamma lymphocytes are required for antibody-dependent cellular cytotoxicity (killer cell activity). Miedema F, et al. **Eur J Immunol** 1984 Jun; 14(6):518-23

Antibody dependent cellular protection against the cell to cell spread of varicella- zoster virus. Shigeta S, et al. **Fukushima J Med Sci** 1982;28(3-4):93-103

Antibody-dependent cell-mediated cytotoxicity against mouse MM2 tumor cell line by macrophages activated with OK-432. Murayama T. **Gann** 1984 Jul;75(7):617-24

Immune-enhancing effect of recombinant human interferon-beta produced in Escherichia coli on human peripheral blood mononuclear cells in vitro. Okabe M, et al. **Gann** 1983 Oct;74(5):743-50

Antibody specific for lung cancer cells detected in sera of patients with bronchogenic carcinoma. Yasumoto K, et al. **Gann** 1983 Aug;74(4):595-601

Circulating cytotoxic anti-RCC antibody responses in renal cell carcinoma patients. Ishibashi M, et al. **Hinyokika Kiyo** 1983 Feb;29(2):121-9

Exocytosis and macrophage-mediated antibody-dependent cellular cytotoxicity: a cautionary note. Beelen RH, et al. **Immunology** 1984 Mar;51(3):535-40

Interactions between soluble IgG, complement and cells in lymphocyte and monocyte ADCC. Poston RN, et al. **Immunology** 1983 Nov;50(3):461-9

The presence of blocking factors in Brugia malayi microfilaraemic patients. Sim BK, et al. **Immunology** 1984 Jul;52(3):411-6

Ability of human cord blood lymphocytes to mediate antibody-dependent cellular cytotoxicity against influenza virus-infected cells. Hashimoto G, et al. **Infect Immun** 1983 Oct;42(1):214-8

Antibody-dependent cellular cytotoxicity of Coxiella burnetii-infected J774 macrophage target cells. Koster FT, et al. **Infect Immun** 1984 Jan;43(1):253-6

Antibody-dependent cell-mediated cytotoxicity against HLA-A, HLA-B and HLA-DR specificities. Akiyama N, et al. **Int Arch Allergy Appl Immunol** 1984;74(3):286-8

In vitro antibody-dependent cellular cytotoxicity against human T-cell leukemia/lymphoma virus (HTLV)-producing cells. Miyakoshi H, et al. **Int J Cancer** 1984 Mar 15;33(3):287-91

Antibody-dependent cellular cytotoxicity and disease course in North American patients with nasopharyngeal carcinoma: a prospective study. Pearson GR, et al. **Int J Cancer** 1984 Jun 15;33(6):777-82

Killing of circulating forms of Trypanosoma cruzi by lymphoid cells from acutely and chronically infected mice. Kierszenbaum F, et al. **Int J Parasitol** 1983 Aug; 13(4):377-81

Complement potentiation of phagocyte-mediated ADCC of HSV-infected corneal cells. Adler-Storthz K, et al. **Invest Ophthalmol Vis Sci** 1984 Apr;25(4):440-6

Human and murine natural killer cell activity may require lipoxygenation of arachidonic acid. Seaman WE, et al. **J Allergy Clin Immunol** 1984 Sep;74(3 Pt 2):407-11

The relationship between antibody concentration and target

cell number in the induction of K cell-mediated haemolysis: evidence for asymmetry among reactants. Bakács T, et al. **J Clin Lab Immunol** 1983 Aug;11(4):189–95

Human K cell-mediated haemolysis: determination of the cytotoxic capacity and antibody sensitization requirements of T lymphocyte enriched and depleted populations. Bakács T, et al. **J Clin Lab Immunol** 1983 Dec;12(4):209–15

A case of K cell deficiency with diabetes mellitus and Graves' disease. Matsuzaki H, et al. **J Clin Lab Immunol** 1983 Dec; 12(4):221–4

The production of antibody-dependent cellular cytotoxicity by immune complexes in systemic lupus erythematosus. Penning CA, et al. **J Clin Lab Immunol** 1984 Mar; 13(3):123–7

Serum-induced enhancement of peripheral blood mononuclear cell-mediated cytotoxicity towards human target cells in systemic sclerosis. Penning CA, et al. **J Clin Lab Immunol** 1983 Oct;12(2):77–81

Antibody-mediated enhancement of rabies virus infection in a mouse macrophage cell line (P388D1). King AA, et al. **J Gen Virol** 1984 Jun;65 (Pt 6):1091–3

Virus-induced enhancement of lymphocyte-mediated antibody-dependent cytotoxicity (ADCC) in vitro. Alsheikhly AR, et al. **J Immunol** 1984 Jun;132(6):2760–6

Selective killing of target cells by antibody-ricin A chain or antibody-gelonin hybrid molecules: comparison of cytotoxic potency and use in immunoselection procedures. Colombatti M, et al. **J Immunol** 1983 Dec;131(6):3091–5

Monocyte antibody-dependent cellular cytotoxicity in splenectomized subjects. Gill PG, et al. **J Immunol** 1984 Mar;132(3):1244–8

Activation of granulocyte cytotoxic function by purified mouse colony-stimulating factors. Lopez AF, et al. **J Immunol** 1983 Dec;131(6):2983–8

Purified human monocyte subsets as effector cells in antibody-dependent cellular cytotoxicity (ADCC). McCarley DL, et al. **J Immunol** 1983 Oct;131(4):1780–3

IgA-dependent cell-mediated activity against enteropathogenic bacteria: distribution, specificity, and characterization of the effector cells. Tagliabue A, et al. **J Immunol** 1984 Aug;133(2):988–92

Mononuclear cell-mediated enhancement of granulocyte function in man. Vadas MA, et al. **J Immunol** 1984 Jul; 133(1):202–7

The effect of lysed and nonviable target cells on the experimentally determined kinetic parameters for natural and antibody-dependent cytotoxicity. Callewaert DM, et al. **J Immunol Methods** 1983 Dec 30;65(3):351–67

Antibody-dependent lymphocyte-mediated granulocytotoxicity (ADLG) for the detection of granulocyte antibodies. Richards K, et al. **J Immunol Methods** 1983 Sep 30;63(1):93–102

Antibody-dependent cell-mediated cytotoxicity against influenza virus-infected cells. Hashimoto G, et al. **J Infect Dis** 1983 Nov;148(5):785–94

Analysis in human neonates of defective antibody-dependent cellular cytotoxicity and natural killer cytotoxicity to herpes simplex virus-infected cells. Kohl S, et al. **J Infect Dis** 1984 Jul;150(1):14–9

Human peritoneal macrophage cytotoxicity mediated by cytophilic IgG. Peterson PK, et al. **J Infect Dis** 1983 Dec; 148(6):1040–8

Cooperation of IgG monoclonal antibodies in macrophage antibody-dependent cellular cytotoxicity (ADCC) to tumor targets. Ralph P, et al. **J Leukocyte Biol** 1984 Jan; 35(1):131–9

Natural and antibody-dependent cellular cytotoxicity in children with systemic lupus erythematosus and juvenile dermatomyositis. Miller ML, et al. **J Rheumatol** 1983 Aug; 10(4):640–2

Effects of serum from patients with system lupus erythematosus on leukocyte cytotoxicity: modulation of NK activity and ADCC. Ytterberg SR, et al. **J Rheumatol** 1983 Dec;10(6):906–12

Antibody-dependent cellular cytotoxicity (ADCC) in colorectal carcinoma. II. Blood group association. Jones SL, et al. **J Surg Oncol** 1983 Nov;24(3):229–32

Antibody-dependent cellular cytotoxicity (ADCC) in colorectal carcinoma. I. Favorable prognosis in female patients. Pihl E, et al. **J Surg Oncol** 1983 Nov;24(3):224–8

Human polymorphonuclear leukocyte-mediated cytotoxicity against varicella-zoster virus-infected fibroblasts. Ihara T, et al. **J Virol** 1984 Jul;51(1):110–6

Sensitivity of human carcinoma cell lines to lysis by blood natural killer cells correlating with surface expression of carcinoembryonic antigen. Clark DA, et al. **JNCI** 1984 Mar;72(3):505–12

Antibody-dependent killing of tumor cells by polymorphonuclear leukocytes. Involvement of oxidative and nonoxidative mechanisms. Dallegri F, et al. **JNCI** 1984 Aug;73(2):331–9

Failure of cell-mediated effector mechanisms in lung cancer. Feo Figarella E, et al. **JNCI** 1984 Jul;73(1):1–6

Presence in mouse bone marrow of mediator-dependent cytotoxic effector cells against tumors. Nakajima-Masuko Y, et al. **Jpn J Exp Med** 1983 Oct;53(5):227–33

Natural killer (NK)-cell activity and antibody-dependent cellular cytotoxicity (ADCC) in primary preleukemic syndrome. Kerndrup G, et al. **Leuk Res** 1984;8(2):239–47

The effect of beta-endorphin on natural cytotoxicity and antibody dependent cellular cytotoxicity. Froelich CJ, et al. **Life Sci** 1984 Jul 16;35(3):261–5

Ligand inhibition studies on the role of Fc receptors in antibody-dependent cell-mediated cytotoxicity. Sármay G, et al. **Mol Immunol** 1984 Jan;21(1):43–51

IgE receptors on phagocytic cells and immune response to schistosome infection. Capron M, et al. **Monogr Allergy** 1983;18:33–44 (29 ref.)

Modulation of the cytotoxicity of human blood eosinophils by factors secreted by monocytes and T lymphocytes. Dessein AJ, et al. **Monogr Allergy** 1983;18:45–51 (9 ref.)

Antibody-dependent cell-mediated antibacterial activity of intestinal lymphocytes with secretory IgA. Tagliabue A, et al. **Nature** 1983 Nov 10–16;306(5939):184–6

Adult T-cell leukemia cells as effector cells in natural killer cell and antibody-dependent cellular cytotoxicity assays. Shimamoto Y, et al. **Nippon Ketsueki Gakkai Zasshi** 1984 Feb;47(1):136–42

Antibody-dependent cellular cytotoxicity in chronic human Chagas disease. Voltarelli JC, et al. **Parasite Immunol** 1983 Jul;5(4):377–84

Tumors undergoing rejection induced by monoclonal antibodies of the IgG2a isotype contain increased numbers of macrophages activated for a distinctive form of antibody-dependent cytolysis. Adams DO, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(11):3506–10

Stimulation of human granulocyte function by monoclonal antibody WEM-G1. López AF, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(6):1818–21

Lymphocytotoxic antibodies to non-HLA antigens in the sera of patients with acquired immunodeficiency syndrome (AIDS). Pollack MS, et al. **Prog Clin Biol Res** 1983; 133:209–13

Effector mechanisms in the pig. Antibody-dependent cellular cytolysis of African swine fever virus infected cells. Norley SG, et al. **Res Vet Sci** 1983 Jul;35(1):75–9

C3 cleaved by membrane proteases binds to C3b acceptors expressed on concanavalin A-stimulated human lymphocytes and enhances antibody-dependent cellular cytotoxicity. Erdei A, et al. **Scand J Immunol** 1984 Aug; 20(2):125–31

Sera from multiparous women contain antibodies mediating cytotoxicity against breast carcinoma cells. Forsman LM, et al. **Scand J Immunol** 1984 Feb;19(2):135–9

Antibody-dependent cell-mediated cytotoxicity. Effectors, signals, and mechanisms. Fuson EW, et al. **Surv Immunol Res** 1983;2(4):327–40

Antibody-dependent cellular cytotoxicity in some lymphoreticular diseases. Voltarelli JC, et al. **Tumori** 1984 Feb 29;70(1):49–55

The role of specific immunoglobulins in antibody-dependent cell-mediated cytotoxicity assays during Babesia bovis infection. Goff WL, et al. **Vet Parasitol** 1984 Mar; 14(2):117–28

Prediction of the outcome of rhesus haemolytic disease of the newborn: additional information using an ADCC assay. Urbaniak SJ, et al. **Vox Sang** 1984;46(5):323–9

[Use of a modified plate method for determining antibody-dependent cell-mediated cytotoxicity] Kolchev Ch, et al. **Eksp Med Morfol** 1983;22(3):49–52 (Eng. Abstr.) **(Bul)**

[Spontaneous lymphocyte-mediated cytotoxicity and antibody-dependent cell cytotoxicity of human effector cells] Thränhardt H, et al. **Folia Haematol (Leipz)** 1983; 110(6):831–42 (Eng. Abstr.) **(Ger)**

[Antibody-dependent cytotoxicity capacity of healthy women and men in old age] Regius O, et al. **ZFA** 1984 Jul–Aug;39(4):211–4 (Eng. Abstr.) **(Ger)**

[Antibody-dependent cell-mediated cytotoxicity (K-cell population) of peripheral lymphocytes in Kawasaki disease and allergic conditions. 1. Relation between K-cell population and the blood immune complex content in Kawasaki disease] Suzuki M. **Arerugi** 1983 Mar; 32(3):164–72 (Eng. Abstr.) **(Jpn)**

[Effect of asbestos on lymphoid cell functions. 2. NK cell activity and its relation to ADCC and interferon in asbestosis] Kubota M. **Nippon Eiseigaku Zasshi** 1983 Jun; 38(2):632–41 (Eng. Abstr.) **(Jpn)**

[Effects of extracorporeally induced systemic hyperthermia on cell-mediated immunity] Kimura M, et al. **Nippon Geka Gakkai Zasshi** 1983 Dec;84(12):1220–8 (Eng. Abstr.) **(Jpn)**

[Detection of circulating immune complexes and their blocking effect on cell-mediated cytotoxicity in patients with urological cancers] Kobayashi K. **Nippon Hinyokika Gakkai Zasshi** 1983 Sep;74(9):1674–86 (Eng. Abstr.) **(Jpn)**

[NK and ADCC activities of peripheral lymphocytes in patients with rheumatoid arthritis] Ohara M, et al. **Ryumachi** 1984 Apr;24(2):87–93 (Eng. Abstr.) **(Jpn)**

[Plant lectin-dependent polymorphonuclear leukocyte-mediated cytolysis] Ikenami M, et al. **Yakugaku Zasshi** 1983 Dec;103(12):1298–302 (Eng. Abstr.) **(Jpn)**

[Characteristics of natural killer cells (NK cells) and features of the cytotoxic test in Syrian hamsters] Kliuchareva TE, et al. **Biull Eksp Biol Med** 1983 Oct;96(10):86–8 (Eng. Abstr.) **(Rus)**

[Suitability of a clinical practice method of evaluating the activity of natural and antibody-dependent killer cells] Gordienko SM. **Lab Delo** 1983;(9):45–8 (Eng. Abstr.) **(Rus)**

[Antibody dependent cell cytotoxicity of human T and non-T cells] Giordano M, et al. **Medicina (B Aires)** 1983;43(6 Pt 1):671–6 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Effect of interferon on antibody-dependent cellular cytotoxicity (ADCC) in chickens. Mándi Y, et al. **Acta Microbiol Hung** 1984;31(2):127–33

The effect of interferon on ADCC (I). Spangsbjerg N, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1983 Oct; 91(5):315–21

The effects of in vivo hydrocortisone on lymphocyte-mediated cytotoxicity. Katz P, et al. **Arthritis Rheum** 1984 Jan;27(1):72–8

Newer aspects of regulation of human granulocyte function. Vadas MA. **Aust NZ J Med** 1984 Feb;14(1):71–4 (20 ref.)

Superoxide enhances photobleaching during cellular immune attack against fluorescent lipid monolayer membranes. Hafeman DG, et al. **Biochim Biophys Acta** 1984 Apr 25; 772(1):20–8

Effect on natural killer and antibody-dependent cellular cytotoxicity of adjuvant cytotoxic chemotherapy including melphalan in breast cancer. Mackay IR, et al. **Cancer Immunol Immunother** 1983;16(2):98–100

Effect of histamine and histamine antagonists on natural and antibody-dependent cellular cytotoxicity of human lymphocytes in vitro. Nair MP, et al. **Cell Immunol** 1983 Oct 1;81(1):45–60

Effect of Fiblaferon-L on the human immune system. Zafra C, et al. **Chemotherapy** 1984;30(2):131–6

Regulation of natural and antibody-dependent cellular cytotoxicity by staphylococcal enterotoxin A. Kimber I, et al. **Clin Exp Immunol** 1983 Oct;54(1):39–48

Purified plasminogen activating factor produced by malignant lymphoid cells abrogates lymphocyte cytotoxicity. Sundar SK, et al. **Clin Exp Immunol** 1984 Jun; 56(3):701–8

Endogenous inhibition of autologous lymphocyte antibody-dependent cellular cytotoxicity. Mahowald ML, et al. **Clin Immunol Immunopathol** 1983 Nov;29(2):211–22

Ketoconazole in vitro inhibits mitogen-induced blastogenesis, antibody-dependent cellular cytotoxicity, natural killer activity and random migration of human leukocytes. Gergely P, et al. **Immunopharmacology** 1984 Jun; 7(3–4):167–70

Effect of oxygen radical scavengers on K-cell cytolysis. Bowman BU Jr, et al. **Infect Immun** 1984 Mar;43(3):942–6

Inhibition of antibody-dependent cellular cytotoxicity and natural cytotoxicity by retinoic acid. Eremin O, et al. **Int Arch Allergy Appl Immunol** 1984;75(1):2–7

Immunomodulatory activities of human leukocyte interferon in advanced cancer patients. Bash JA, et al. **J Biol Response Mod** 1983;2(1):57–65

Azathioprine suppression of natural killer activity and antibody-dependent cellular cytotoxicity in renal transplant recipients. Prince HE, et al. **J Clin Immunol** 1984 Jul; 4(4):312–8

Immunomodulatory effects of corticosteroids on natural killer and antibody-dependent cellular cytotoxic activities of human lymphocytes. Nair MP, et al. **J Immunol** 1984 Jun;132(6):2876–82

Phorbol esters enhance spontaneous cytotoxicity of human lymphocytes, abrogate Fc receptor expression, and inhibit antibody-dependent lymphocyte-mediated cytotoxicity. Trinchieri G, et al. **J Immunol** 1984 Oct;133(4):1869–77

Effect of corticosteroids on neutrophil function: inhibition of antibody-dependent cell mediated cytotoxicity (ADCC). Capsoni F, et al. **J Immunopharmacol** 1983;5(3):217–30

Protease inhibition of natural killer (NK) and antibody-dependent cell-mediated cytoxicity (ADCC) activities. Floyd RA, et al. **J Lab Clin Med** 1984 Feb; 103(2):215–22

Depressed natural killer and lectin-induced cell-mediated cytotoxicity in cholesterol-fed guinea pigs. Duwe AK, et al. **JNCI** 1984 Feb;72(2):333–8

Direct stimulation of ADCC by cloned gamma interferon is not ablated by glucocorticoids: studies using a human monocyte-like cell line (U-937). Shen L, et al. **Mol Immunol** 1984 Feb;21(2):167–73

[Effect of Litoralon therapy on the lymphocytotoxicity in patients with malignant tumors] Láng I, et al. **Orv Hetil** 1984 Sep 2;125(36):2193–6 (Eng. Abstr.) **(Hun)**

[Studies on the hepatoma cell injury by antibody-dependent cell-mediated cytotoxicity and its augmentation by pretreatment of macrophages with OK432] Mizoguchi Y, et al. **Arerugi** 1984 Mar;33(3):135–41 (Eng. Abstr.) **(Jpn)**

[A possible involvement of sex hormones in the regulation of antibody-dependent cell-mediated hepatocytotoxicity: a possible role of interleukin-1] Katoh H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Jun;81(6):1398–404 (Eng. Abstr.) **(Jpn)**

[Effects of sex hormones on antibody-dependent cell-mediated hepatocytotoxicity—experimental study] Sawai H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Aug;80(8):1617–22 (Eng. Abstr.) **(Jpn)**

[The action of pronase on the recognition and lysis of target cells in natural cellular mediated cytotoxicity and antibody-dependent cellular cytotoxicity] Olinescu A, et al. **Rev Ig [Bacteriol]** 1984 Apr–Jun;29(2):123–34 (Eng. Abstr.) **(Rum)**

RADIATION EFFECTS

Hyperthermic enhancement of antibody-complement cytotoxicity against normal mouse B lymphocytes and its relation to capping. Sultan MF, et al. **Radiat Res** 1983 Nov; 96(2):251-60

ANTIBODY DIVERSITY

The generation of diversity in phosphorylcholine-binding antibodies. Perlmutter RM, et al. **Adv Immunol** 1984; 35:1-37 (87 ref.)

Evolutionary diversification of germ-line versions of human immunoglobulin genes. Rabbitts TH, et al. **Ann Immunol (Paris)** 1984 Jan-Feb;135C(1):175-80

Idiotypic determinants used in the analysis of antibody diversification and as regulatory targets. Beyreuther K, et al. **Ann NY Acad Sci** 1983;418:121-9

Analysis of antibody diversity: V-D-J mRNA nucleotide sequence of four anti-GAT monoclonal antibodies. A paucigene system using alternate D-J recombinations to generate functionally similar hypervariable regions. Rocca-Serra J, et al. **EMBO J** 1983;2(6):867-72

The control of antibody diversity during IgM and IgG anti-sheep red cell responses in mice. Brittle MP, et al. **Immunology** 1984 May;52(1):97-105

Somatic mutation creates diversity in the major group of mouse immunoglobulin kappa light chains. Heinrich G, et al. **J Exp Med** 1984 Feb 1;159(2):417-35

Sequence similarities among kappa IIIb chains of monoclonal human IgM kappa autoantibodies. Pons-Estel B, et al. **J Exp Med** 1984 Sep 1;160(3):893-904

Differentiation of B lineage cells from liver of neonatal mice: generation of immunoglobulin isotype diversity in vitro. Calvert JE, et al. **J Immunol** 1983 Oct;131(4):1693-7

Junctional diversity is essential to antibody activity. Jeske DJ, et al. **J Immunol** 1984 Sep;133(3):1090-2

Two Ia.17-specific monoclonal antibodies detect the same epitope but do not share idiotype. Sher MR, et al. **J Immunol** 1984 Jul;133(1):338-44

Clonal diversity and homology of latent and nominal group a immunoglobulin allotypes in the rabbit. Wolf B, et al. **Mol Immunol** 1984 Jun;21(6):439-47

Most kappa immunoglobulin mRNA in human lymphocytes is homologous to a small family of germ-line V genes. Bentley DL. **Nature** 1984 Jan 5-11;307(5946):77-80

Monoclonal antibodies reveal the structural basis of antibody diversity. Teillaud JL, et al. **Science** 1983 Nov 18; 222(4625):721-6 (53 ref.)

The specification of the immune response revisited. Danchin A. **Surv Immunol Res** 1982;1(2):173-83 (35 ref.)

Network interactions, 1983. Kelsoe G. **Surv Immunol Res** 1984;3(2-3):169-71

Sequential generation of antibody diversity during B-cell development. Kuehl WM. **Surv Immunol Res** 1983; 2(1):52-61 (43 ref.)

Structural correlates of immunoglobulin diversity. Potter M. **Surv Immunol Res** 1983;2(1):27-42 (58 ref.)

Diversity of immunoglobulin structural gene loci. The special case of the mouse lambda locus. Scott CL, et al. **Surv Immunol Res** 1983;2(1):43-51 (51 ref.)

[Structural analysis of immunoglobulins and the problem of antibody diversity. New approaches] Fougereau M, et al. **Presse Med** 1983 Nov 17;12(41):2556-9 (Eng. Abstr.) **(Fre)**

ANTIBODY ENZYME TECHNIC, UNLABELED see IMMUNOENZYME TECHNICS

ANTIBODY FORMATION

Humoral immunity in critically ill patients. Therapeutic perspectives. Clumeck N. **Acta Anaesthesiol Belg** 1983 Sep; 34(3):153-4

In vitro immunization of mouse spleen cells and the production of monoclonal antibodies. Borrebaeck CA. **Acta Chem Scand [B]** 1983;37(7):647-8

CSF antibodies to myelin basic protein and to myelin-associated glycoprotein in multiple sclerosis. Evidence of the intrathecal production of antibodies. Wajgt A, et al. **Acta Neurol Scand** 1983 Nov;68(5):337-43 (22 ref.)

Antibody response in rabbits to gonococcal lipopolysaccharide-bovine serum albumin conjugates. Rødahl E, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1983 Aug; 91(4):285-9

Respiratory syncytial virus infection in Syrian hamsters. II. Regulation of the immune response. Volgarev AP, et al. **Acta Virol (Praha)** 1983 Nov;27(6):496-501

The immune response to mouse hepatitis virus: genetic variation in antibody response and disease. Levy GA, et al. **Adv Exp Med Biol** 1984;173:345-64

The absence of antibodies to type II collagen in established adjuvant arthritis in rats. DeLustro F, et al. **Agents Actions** 1984 Jun;14(5-6):673-9

An attempt to produce an antibody of histamine and histamine derivatives. Mita H, et al. **Agents Actions** 1984 Jun;14(5-6):574-9

Tissue localization and retention of antigen in relation to the immune response. Tew JG, et al. **Am J Anat** 1984 Jul; 170(3):407-20

Induction of high titer mouse—antihuman spermatozoal antibodies by liposome incorporation of spermatozoal membrane antigens. Mettler L, et al. **Am J Reprod Immunol** 1983 Oct-Nov;4(3):127-32

Immune responses of calves antigenically stimulated and challenge exposed with Anaplasma marginale during tick infestation or treatment with dexamethasone. Eckblad WP, et al. **Am J Vet Res** 1984 Mar;45(3):431-6

Cellular and humoral responses of Brucella abortus-infected bovine fetuses. Enright FM, et al. **Am J Vet Res** 1984 Mar; 45(3):424-30

The development of specific antibody-containing cells in the spleen of rabbits during the secondary immune response against free or liposome-associated albumin antigen. van Rooijen N, et al. **Anat Rec** 1984 Apr;208(4):579-87

Increased IgD milk antibody responses in a patient with Down's syndrome, pulmonary hemosiderosis and cor pulmonale. Galant S, et al. **Ann Allergy** 1983 Oct; 51(4):446-9

Blood-stage malaria in Biozzi high and low antibody responder mice: the importance of antibody and macrophages in immunity. Brown IN, et al. **Ann Immunol (Paris)** 1984 Mar-Apr;135C(2):231-40

The conundrum of immune response: two Ia loci specifically control multiple immune responses. Fathman CG. **Ann Immunol (Paris)** 1984 May-Jun;135C(3):420-3 (16 ref.)

Analysis of the anti-azobenzenearsonate response at the molecular level. Gefter ML, et al. **Ann Immunol (Paris)** 1984 Jan-Feb;135C(1):17-30

The multiplicity of domains on a protein antigen affecting immune responsiveness. Sercarz EE, et al. **Ann Immunol (Paris)** 1984 May-Jun;135C(3):392-7 (12 ref.)

Antibody responses to measles virus and canine distemper virus in multiple sclerosis. Krakowka S, et al. **Ann Neurol** 1983 Nov;14(5):533-8

Bi-directional immune responses within an idiotype network. Horng WJ, et al. **Ann NY Acad Sci** 1983;418:317-23

Antibody response to rabies vaccine prepared in tissue cultures of human diploid cells and inactivated, evaluated in different classes of age. Ceddia T, et al. **Ann Sclavo** 1982 Sep-Oct;24(5):491-5

In vivo and in vitro humoral immunity in surgical patients. Nohr CW, et al. **Ann Surg** 1984 Sep;200(3):373-80

Nutrition and immunity: the influence of diet on autoimmunity and the role of zinc in the immune response. Hansen MA, et al. **Annu Rev Nutr** 1982;2:151-77 (248 ref.)

Production and characterization of antibody against aflatoxin Q1. Fan TS, et al. **Appl Environ Microbiol** 1984 Mar; 47(3):526-32

Aflatoxin B1 dihydrodiol antibody: production and specificity. Pestka JJ, et al. **Appl Environ Microbiol** 1984 Mar;47(3):472-7

Regulatory control and standardization of allergenic extracts. New product forms - introduction. Göing H, et al. **Arb Paul Ehrlich Inst Georg Speyer Haus Ferdinand Blum Inst** 1983;(78):209-15

Influence of interferon induction with influenza a virus upon the modification of anti-SRBC humoral response. Szulc B, et al. **Arch Immunol Ther Exp (Warsz)** 1983;31(2):209-16

Suppressor T cell memory. Induction and recall of HGG-specific memory suppressor T cells and their role in regulation of antibody production. Loblay RH, et al. **Aust J Exp Biol Med Sci** 1984 Feb;62 (Pt 1):11-25

Characteristic fetal heart rate changes in severe rhesus isoimmunization. Haines CJ, et al. **Aust NZ J Obstet Gynaecol** 1983 May;23(2):114-6

An inverse relationship between heparin content and antibody response in genetically selected mice. Sex effect and evidence of a polygenic control for skin heparin concentration. Straus AH, et al. **Biochem J** 1984 Jun 15; 220(3):625-30

Effect of the chemical structure of N-(2-hydroxypropyl)methacrylamide copolymers on their ability to induce antibody formation in inbred strains of mice. Rihová B, et al. **Biomaterials** 1984 May;5(3):143-8

Contribution of synthetic polymers of amino acids to knowledge of immune response. Maurer PH, et al. **Biopolymers** 1983 Jan;22(1):441-52

Production of a monospecific antiserum to cathepsin L: the histochemical location of enzyme in rabbit fibroblasts. Etherington DJ, et al. **Biosci Rep** 1984 Feb;4(2):121-7

The regulation of the human humoral immune response and functional assays for its assessment. Waldmann TA. **Birth Defects** 1983;19(3):31-6 (32 ref.)

Specific IgM antibody response, evaluated by micro-ELISA, to various antigen fractions from sheep hydatid fluid and scolices of E. granulosus, in sera from patients affected by hydatid disease, before and after surgery. Tassi C, et al. **Boll Ist Sieroter Milan** 1984 May 31;63(2):140-4

Antibody production in cultured blood lymphocytes from breast cancer patients. Villa ML, et al. **Br J Cancer** 1983 Sep;48(3):411-6

The influence of different immunization pathways on the immunological response in the oral mucosa. Muller D, et al. **Br J Exp Pathol** 1983 Aug;64(4):367-72

The occurrence and significance of neutrophil antibodies. Minchinton RM, et al. **Br J Haematol** 1984 Apr;56(4):521-8

Immune responses to viral antigens in man and their relevance to vaccine development: memorandum from a WHO meeting. **Bull WHO** 1983;61(6):935-40

Results of a two-year study of humoral immunity to influenza A and B viruses in children under the age of 14 years in Moscow and its suburbs. Slepushkin AN, et al. **Bull WHO** 1984;62(1):75-82

Production of antibody for alpha 1-acid glycoprotein using carcinoembryonic antigen and normal fecal antigen. Ochi Y, et al. **Cancer Lett** 1983 Sep;20(2):173-82

Negative and positive immunobiological responses in mice pretreated with Bacillus Calmette-Guérin cell wall. Mizushima Y, et al. **Cancer Res** 1984 Jan;44(1):20-4

An unusual suppression of immune response: pretreatment with Poly(Glu60,Phe40) suppresses response to poly(Glu60,Phe40). Babu UM, et al. **Cell Immunol** 1984 Jun;86(1):83-9

Effects of the methanol extract residue (MER) tubercle bacillus fraction on the production of antibodies in vitro. II. Effects on macrophage and lymphocyte populations. Ben-Efraim S, et al. **Cell Immunol** 1984 Jun;86(1):33-45

Regulation of the class of immune response induced by antigen. I. Specific T cells switch the in vivo response from a cell-mediated to humoral mode. Bretscher PA. **Cell Immunol** 1983 Oct 15;81(2):345-56

Chronic experimental allergic encephalomyelitis in guinea pigs: immunologic studies on the two major myelin proteins. Cambi F, et al. **Cell Immunol** 1984 Jul;86(2):567-74

Interactions between eosinophils and antibodies: in vivo protective role against rat schistosomiasis. Capron M, et al. **Cell Immunol** 1984 Jan;83(1):60-72

Production of auto-anti-idiotypic antibody during the normal immune response. IX. Characteristics of the auto-anti-idiotype antibody and its production. Goidl EA, et al. **Cell Immunol** 1984 Apr 15;85(1):25-33

Immunomodulating properties of two synthetic adjuvants: dependence upon type of antigen, dose, and time of administration. Hilgers LA, et al. **Cell Immunol** 1984 Jul; 86(2):393-401

The migration of lymphocytes into rat popliteal lymph nodes during antigenic promotion or competition between heterologous erythrocytes. Kimpton WG, et al. **Cell Immunol** 1984 Sep;87(2):637-45

Immunoglobulin isotype distribution of malaria-specific antibodies produced during infection with Plasmodium chabaudi adami and Plasmodium yoelii. Langhorne J, et al. **Cell Immunol** 1984 Sep;87(2):452-61

Antibody formation by one or both lymphoid populations present in chimeric marmosets. Nickerson DA, et al. **Cell Immunol** 1983 Oct 1;81(1):199-203

Suppression of rabbit lymphocyte functions by antibodies specific for allotypic membrane determinants. Ohama Y, et al. **Cell Immunol** 1984 Jul;86(2):429-38

Interleukin 1 can replace monocytes for the specific human B-cell response to a particulate antigen. Vazquez A, et al. **Cell Immunol** 1984 Jul;86(2):287-98

The primary immune response in patients with selective IgA deficiency. De Graeff PA, et al. **Clin Exp Immunol** 1983 Dec;54(3):778-84

The mouse immune response to the double stranded polyribonucleotide complex poly(G) . poly(C). Gaffiero GV, et al. **Clin Exp Immunol** 1984 Feb;55(2):264-72

Specificity of anti-type II collagen antibody response in rats. Kakimoto K, et al. **Clin Exp Immunol** 1984 Jul;57(1):57-62

Anti-IgM antibodies may regulate the humoral response to paternal HLA antigens in pregnant women. Jakobisiak M, et al. **Clin Invest Med** 1984;7(2):123-5

Effect of administration of anti-bursal extract or perfusate serum on the antibody production in chickens. Baba T, et al. **Comp Immunol Microbiol Infect Dis** 1983;6(4):333-8

Antigen distribution and humoral response in the lizard, Agama caudospinosum, after injection with Leishmania agamae. Ingram GA, et al. **Dev Comp Immunol** 1984 Spring; 8(2):339-49

Assessment of antibody production in sex-linked and autosomal dwarf chickens. Marsh JA. **Dev Comp Immunol** 1983 Summer;7(3):535-44

Anemia causes erythropoiesis and increased antibody synthesis in the spleen of the pregnant mouse. Mattsson R, et al. **Dev Comp Immunol** 1984 Winter;8(1):169-78

The effect of environmental temperature on the immune response of a marine teleost (Paralichthys dentatus). Stolen JS, et al. **Dev Comp Immunol** 1984 Winter;8(1):89-98

Immunological responsiveness of the pigeon (Columba livia) following neonatal bursectomy. Thaxton JP, et al. **Dev Comp Immunol** 1984 Winter;8(1):141-8

Islet cell surface and lymphocyte antibodies often precede the spontaneous diabetes in the BB rat. Dyrberg T, et al. **Diabetologia** 1984 Feb;26(2):159-65

Pneumococcal cell wall phosphorylcholine elicits polyclonal antibody secretion in mice. Bach MA, et al. **Eur J Immunol** 1984 Jul;14(7):589-94

Phosphorylcholine on isologous red blood cells induces polyclonal but not anti-phosphorylcholine plaque-forming cells in mice. Beckmann E, et al. **Eur J Immunol** 1984 Jul; 14(7):595-8

Immune capacity of the chicken bursectomized at 60 hours of incubation: transplantation of bone marrow cells of the bursectomized chickens into cyclophosphamide-treated newly hatched recipients. Jalkanen S. **Eur J Immunol** 1983 Sep;13(9):779-85

Fine specificity of the immune response to oxazolones III. Antibodies but not contact sensitivity specific for 2-furyloxazolone are controlled by an Igh-V gene in the mouse. Mäkelä O, et al. **Eur J Immunol** 1983 Dec; 13(12):1017-22

The Ia-1 gene effects T-B cell collaboration for the in vitro antibody response. Sandrin MS, et al. **Eur J Immunol** 1984 Jan;14(1):27-32

Immunodominant protein epitopes. II. The primary antibody response to hen egg white lysozyme requires and focuses upon a unique N-terminal epitope. Wicker LS, et al. **Eur J Immunol** 1984 May;14(5):447-53

Effect of surgical trauma on various aspects of the immune response in rats. Kinnaert P, et al. **Eur Surg Res** 1984; 16(2):99-104

Nude mice injected with DNA excreted by antigen-stimulated human T lymphocytes synthesize specific human antibodies. Anker P, et al. **Exp Cell Biol** 1984;52(1-2):133-6

T cell functions in nude mice: lack of secondary antibody response in vivo. Kindred B. **Exp Cell Biol** 1984; 52(1-2):17-20

Generation of CFUC suppressor T cells in vitro: VII. T derived colony inhibitory activity (Td/CIA) has no suppressor effect on in vitro immunoglobulin production. Bacigalupo A, et al. **Exp Hematol** 1983 Jul;11(6):506-11

Role of complement in the immune response. Feldbush TL, et al. **Fed Proc** 1984 Jul;43(10):2548-52

Anaphylatoxin-mediated regulation of human and murine immune responses. Morgan EL, et al. **Fed Proc** 1984 Jul; 43(10):2543-7

Defense mechanisms: protecting the healthy lung. Janson-Bjerklie S. **Heart Lung** 1983 Nov;12(6):643-9

Primary and secondary antibody responses to sheep erythrocytes of allogeneic bone marrow chimeras histocompatible at the left or right one-half of the H-2 complex. Iwabuchi K, et al. **Hokkaido Igaku Zasshi** 1983 May;58(3):232-7

Role of autorosette forming cells in antibody synthesis in vitro: suppressive activity of ARFC in humoral immune response. Khansari N, et al. **Immunobiology** 1984 Jan; 166(1):1-11

Comparison between Nu/Nu and normal BALB/c T-helper activity in anti-hapten and anti-carrier responses. Zöller M, et al. **Immunobiology** 1984 May;166(3):228-37

Specific immune responses after booster immunization with tetanus toxoid in man: study of kinetics, family segregation, and linkage to HLA of in vitro lymphocyte proliferative responses and serum-antibody responses. Ballet JJ, et al. **Immunogenetics** 1983;18(4):343-58

T cell Ir phenotype modified by excising primary antigen deposit. Friedman A, et al. **Immunogenetics** 1984; 19(5):449-54

Inverse modification of antibody responsiveness to RGG in lines of mice selected for high or low responses to somatic antigen of Salmonella. Sant'Anna OA, et al. **Immunogenetics** 1983;18(4):359-64

Genetic control of the antibody response to allotypes of murine C4. Spinella DG, et al. **Immunogenetics** 1984; 19(1):87-92

Modification of lipopolysaccharide non-responder cells in low cell density culture. Ishizaka S. **Immunol Lett** 1983 Jun;6(6):343-50

Control of T-cell-dependent antibody responses of mice to rat antigens by donor cell types. Isobe K, et al. **Immunol Lett** 1983;7(1):47-50

The effect of surface sugars on liposomes in immunopotentiation. Latif N, et al. **Immunol Lett** 1984; 8(2):75-8

Non-specific factor enhancement of human in vitro antigen-dependent antibody synthesis: role of B cell activation and T cell help. Brenner MK, et al. **Immunology** 1984 Apr;51(4):783-91

Feedback control of the secondary antibody response. II. Differences in the rate of induction of T-helper and T-suppressor memory. Kennedy MW, et al. **Immunology** 1983 Oct;50(2):297-302

Accessory cell and HLA compatibility requirements for the generation of specific in-vitro antibody responses to influenza virus by human blood lymphocytes. Mitchell DM, et al. **Immunology** 1983 Oct;50(2):239-50

Feedback control of the secondary antibody response. I. A suppressor, suppressor-inducer mechanism from the interaction of B-memory cells with Lyt 2- T cells. Thomas DB, et al. **Immunology** 1983 Oct;50(2):289-95

The effect of maternal antigenic stimulation upon the active immune responsiveness of their offspring. Yamaguchi N, et al. **Immunology** 1983 Oct;50(2):229-38

Alterations in lymphocyte recognition repertoire during ageing. I. Analysis of changes in immune response potential of B lymphocytes from non-immunized aged mice, and the role of accessory cells in the expression of that potential. Gorczynski RM, et al. **Immunopharmacology** 1984 Jun; 7(3-4):179-94

Plaque forming cell assay for antibody secreting cells in the bat Pteropus giganteus. Chakraborty AK, et al. **Indian J Exp Biol** 1983 Jan;21(1):5-7

Influence of multiple genes on the magnitude of the antibody response to bacterial polysaccharide antigens. Baker PJ, et al. **Infect Immun** 1984 Jul;45(1):56-61

Human serum antibody response to Campylobacter jejuni infection as measured in an enzyme-linked immunosorbent assay. Blaser MJ, et al. **Infect Immun** 1984 May;44(2):292-8

Immunostimulation by Legionella pneumophila antigen preparations in vivo and in vitro. Friedman H, et al. **Infect Immun** 1984 Jan;43(1):347-52

Antibody response of infected mice to outer membrane proteins of Pseudomonas aeruginosa. Hedstrom RC, et al. **Infect Immun** 1984 Jan;43(1):49-53

Analysis of the antigen specificity of the human serum immunoglobulin G immune response to complicated gonococcal infection. Hook EW 3d, et al. **Infect Immun** 1984 Feb;43(2):706-9

Coli surface antigens 1 and 3 of colonization factor antigen II-positive enterotoxigenic Escherichia coli: morphology, purification, and immune responses in humans. Levine MM, et al. **Infect Immun** 1984 May;44(2):409-20

Human antibody response to outer membrane proteins of Campylobacter jejuni during infection. Mills SD, et al. **Infect Immun** 1984 Feb;43(2):739-43

Immunoglobulin G response to subgingival gram-negative bacteria in human subjects. Naito Y, et al. **Infect Immun** 1984 Jul;45(1):47-51

Induction of optimal mucosal antibody responses: effects of age, immunization route(s), and dosing schedule in rats. Pierce NF. **Infect Immun** 1984 Jan;43(1):341-6

Serum antibody responses to the outer membrane proteins of Bordetella pertussis. Redhead K. **Infect Immun** 1984 Jun; 44(3):724-9

Antigen from Francisella tularensis: nonidentity between determinants participating in cell-mediated and humoral reactions. Sandström G, et al. **Infect Immun** 1984 Jul; 45(1):101-6

Evaluation of the human immune response to outer membrane proteins of Vibrio cholerae. Sears SD, et al. **Infect Immun** 1984 May;44(2):439-44

Preparation of human hyperimmune globulin to Haemophilus influenzae b, Streptococcus pneumoniae, and Neisseria meningitidis. Siber GR, et al. **Infect Immun** 1984 Jul; 45(1):248-54

Mechanism of lipopolysaccharide-induced immunosuppression: immunological activity of B cell subsets responding to T-dependent or T-independent antigens in lipopolysaccharide-preinjected mice. Uchiyama T, et al. **Infect Immun** 1984 Aug;45(2):367-71

Effects in mice of rat bromelain-treated RBC and lipopolysaccharide on autoantibody production against bromelain-treated isologous RBC. Cox KO, et al. **Int Arch Allergy Appl Immunol** 1983;72(4):325-9

Influence of breast feeding on the development of cow's milk protein antibodies and the IgE level. Fällström SP, et al. **Int Arch Allergy Appl Immunol** 1984;75(1):87-91

Gut mucosal, salivary and serum antitoxic and antibacterial antibody responses in Swedes after oral immunization with B subunit-whole cell cholera vaccine. Jertborn M, et al. **Int Arch Allergy Appl Immunol** 1984;75(1):38-43

Migration of blood-borne lymphocytes into antigen-stimulated lymph nodes. A study of the kinetics of lymphocyte recruitment throughout an immune response. Kimpton WG, et al. **Int Arch Allergy Appl Immunol** 1984;74(1):40-4

Hapten-specific help mediated by an anti-ABA T cell line. Kojima A, et al. **Int Arch Allergy Appl Immunol** 1983; 72(4):299-302

Comparison of the specific IgM and IgG antibody response in humans induced by antigen (tetanus toxoid) or a polyclonal activator (EBV) in vitro. Kozbor D, et al. **Int Arch Allergy Appl Immunol** 1983;72(3):260-6

Adjuvant effects of iota, kappa, and lambda carrageenans on antibody production in BALB/c mice. Mancino D, et al. **Int Arch Allergy Appl Immunol** 1983;72(4):359-61

Immunogenicity of a hapten-carrier conjugate taken up by peritoneal cells. Neveu PJ. **Int Arch Allergy Appl Immunol** 1984;74(2):126-31

Transduction of effector-suppressor T cells by an antigen-specific suppressor T cell factor and Lyt-1+,2+,3+ T cells. Tokuhisa T, et al. **Int Arch Allergy Appl Immunol** 1984;74(2):120-5

Antibody formation against the cytotoxic proteins abrin and ricin in humans and mice. Godal A, et al. **Int J Cancer** 1983 Oct 15;32(4):515-21

A comparative study between animals and monoclonal anti-digitoxin antibodies. Collignon A, et al. **Int J Nucl Med Biol** 1984;11(1):97-101

Mucosal antibody response to parenteral vaccination with Haemophilus influenzae type b capsule. Pichichero ME, et al. **J Allergy Clin Immunol** 1983 Nov;72(5 Pt 1):481-6

Production of antibodies to calmodulin in rabbits and enzyme immunoassays for calmodulin and anti-calmodulin. Kitajima S, et al. **J Biochem (Tokyo)** 1983 Aug;94(2):559-64

Interleukin-2 is required for the induction of erythrocyte-specific antibody responses in human lymphocyte cultures. Booth RJ, et al. **J Biol Response Mod** 1984;3(2):206-18

The relationship between the 140S antigen dose in aqueous foot-and-mouth disease vaccines and the serum antibody response of cattle. Rweyemamu MM, et al. **J Biol Stand** 1984 Jan;12(1):111-20

Differentiation and maturation of thy-1 negative bone marrow cells. I. Effects of the thymus and radioresistant helper functions on the maturation of precursor cells specific for heterologous erythrocytes. Gondo H, et al. **J Clin Lab Immunol** 1983 Sep;12(1):41-5

Use of a fluorometric immunoassay to determine antibody response to Pasteurella haemolytica in vaccinated and nonvaccinated feedlot cattle. Confer AW, et al. **J Clin Microbiol** 1983 Oct;18(4):866-71

Antibody response to Pseudomonas aeruginosa exoproducts in cancer patients. Crowe KE, et al. **J Clin Microbiol** 1982 Jan;15(1):115-22

Epidemiological studies of Streptococcus pneumoniae in infants: development of antibody to phosphocholine. Gray BM, et al. **J Clin Microbiol** 1983 Nov;18(5):1102-7

Viraemia and antibody response of the mallard (Anas platyrhynchos) to infection with tick-borne encephalitis virus. van Tongeren HA. **J Comp Pathol** 1983 Oct; 93(4):521-30

Hapten reactive inducer T cells. II. Evidence that a secreted form of the T cell receptor induces antibody production. Dekruyff RH, et al. **J Exp Med** 1983 Dec 1;158(6):1881-94

Double immunocytochemical staining in the study of antibody-producing cells in vivo. Simultaneous detection of cells producing monospecific antibodies and cells producing cross-reacting antibodies in the spleen of rabbits after injection of two related antigens. Van Rooijen N, et al. **J Histochem Cytochem** 1984 Aug;32(8):844-8

Production of a high affinity antibody specific to the calcium-free-form of calmodulin, using N-acetyl-muramyl-L-alanyl-D-isoglutamine-calmodulin conjugate. Slaninová J, et al. **J Immunoassay** 1983; 4(4):395-406

Genetic control of mouse antibody production to human thyroglobulin. Aihara Y, et al. **J Immunogenet** 1983 Aug; 10(4):325-31

Genetic regulation of immunoglobulin synthesis: selection of two rats' lines with respectively a high or low IgM serum level. Bazin H, et al. **J Immunogenet** 1983 Aug; 10(4):293-304

Genetic control of the immune response to myoglobin. XVI. Control of antibodies with preselected specificities following immunization with free synthetic peptides representing the antigenic sites or surface non-immunogenic locations in the protein. Young CR, et al. **J Immunogenet** 1983 Dec;10(6):453-64

Defective vaccine-induced immunity to Schistosoma mansoni in P strain mice. I. Analysis of antibody responses. Correa-Oliveira R, et al. **J Immunol** 1984 Sep;133(3):1581-6

Peptide-elicited protein-reactive antibodies in molecular biology and medicine. Shinnick TM, et al. **J Invest Dermatol** 1984 Jul;83(1 Suppl):112s-115s (24 ref.)

Heterogeneity among alveolar macrophages in humoral and cell-mediated immune responses: separation of functional subpopulations by density gradient centrifugation on Percoll. Murphy MA, et al. **J Leukocyte Biol** 1984 Jan; 35(1):39-54

Relationship between neurological features and intrathecal synthesis of IgG antibodies to Treponema pallidum in untreated and treated human neurosyphilis. Prange HW, et al. **J Neurol** 1983;230(4):241-52

Humoral immunity in essential fatty acid-deficient rats and mice: effect of route of injection of antigen. Boissonneault GA, et al. **J Nutr** 1984 Jan;114(1):89-94

Immunoconglutinin and suppression of an induced immune response by plasma from rats infected with Trypanosoma brucei rhodesiense. Cox HW, et al. **J Parasitol** 1984 Feb; 70(1):57-62

Immunogenicity of Haemophilus influenzae type b polysaccharide—diphtheria toxoid conjugate vaccine in adults. Granoff DM, et al. **J Pediatr** 1984 Jul;105(1):22-7

Suppressive effects of Corynebacterium parvum on primary and secondary antibody responses in mice. Ansell JD, et al. **J Reticuloendothel Soc** 1983 Oct;34(4):311-21

Specific antibody response after in vivo antigenic stimulation in systemic lupus erythematosus. Croft SM, et al. **J Rheumatol** 1984 Apr;11(2):141-6

Enhanced immune response in the urinary tract of the rat following vaginal immunization. Jensen J, et al. **J Urol** 1984 Jul;132(1):164-6

Kinetics of viral replication and local and systemic immune responses in experimental rotavirus infection. Eydelloth RS, et al. **J Virol** 1984 Jun;50(3):947-50

B-cell immunodeficiency in acquired immune deficiency syndrome. Ammann AJ, et al. **JAMA** 1984 Mar 16; 251(11):1447-9

The genetics of antibody production. Clinical implications. Goldman JN, et al. **JAMA** 1984 Feb 10;251(6):774-87

Quick-changing trypanosomes elude antibody [news] Wingerson L. **JAMA** 1983 Dec 23-30;250(24):3272

Life-span, tumor incidence, and natural killer cell activity in mice selected for high or low antibody responsiveness. Covelli V, et al. **JNCI** 1984 May;72(5):1127-36

Ia-restricted interaction of normal lymphoid cells and SJL lymphoma (reticulum cell sarcoma) leading to lymphokine production. II. Rapid production of antibody-enhancing factor, interleukin 2, and immune interferon. Ponzio NM, et al. **JNCI** 1984 Feb;72(2):311-20

Antibodies to neurofibrillary tangles of Alzheimer's disease raised from human and animal neurofilament fractions. Gambetti P, et al. **Lab Invest** 1983 Oct;49(4):430-5

Antibodies to protein of scrapie-associated fibrils [letter] Diringer H, et al. **Lancet** 1984 Aug 11;2(8398):345

Chloroquine prophylaxis and antibody response to immunisation [letter] Greenwood BM. **Lancet** 1984 Aug 18;2(8399):402-3

Evidence that thyroid-stimulating antibody is produced in the thyroid gland. Kendall-Taylor P, et al. **Lancet** 1984 Mar 24;1(8378):654-6

Immune manipulations and brain-reactive antibody formation in aging mice. Nandy K, et al. **Mech Ageing Dev** 1983 Jul-Aug;22(3-4):287-93

Automated immune profile. Vo NM, et al. **Med Instrum** 1984 May-Jun;18(3):172-4

Antibody response to pneumococcal vaccine in patients with solid tumors and lymphomas. Shildt RA, et al.

Med Pediatr Oncol 1983;11(5):305–9

Mechanism of effector cell blockade—IV. Induction by monoclonal anti-mu or anti-idiotypic antibody, role of secreted IgM and mechanism of decreased secretion. Boyd AW, et al. **Mol Immunol** 1984 Feb;21(2):119–26

Antibody response to myoglobins: effect of host species. Cooper HM, et al. **Mol Immunol** 1984 Jun;21(6):479–87

The role of a novel VH sequence (V11) in the formation of anti-phosphocholine antibodies. Pierce JW, et al. **Mol Immunol** 1984 Feb;21(2):159–66

Induction with a synthetic peptide of antibodies to HLA class I C-terminal intracytoplasmic region. Rougon G, et al. **Mol Immunol** 1984 Jun;21(6):461–8

Role of gamma-interferon in antibody-producing responses. Leibson HJ, et al. **Nature** 1984 Jun 28–Jul 4; 309(5971):799–801

Studies on the development of anti-schistosomular surface antibodies by mice exposed to irradiated cercariae, adults and/or eggs of S. mansoni. Bickle QD, et al. **Parasite Immunol** 1983 Sep;5(5):499–511

The cellular and humoral immune response in subjects vaccinated against cutaneous leishmaniasis using Leishmania tropica major promastigotes. Green MS, et al. **Parasite Immunol** 1983 Jul;5(4):337–44

Induction of a protective immune response in rats by injection of live or killed S. mansoni worms. Knopf PM, et al. **Parasite Immunol** 1984 Mar;6(2):171–83

Humoral and cellular immunity in patients with hepatic alveolar echinococcosis. A 2 year follow-up with and without flubendazole treatment. Vuitton DA, et al. **Parasite Immunol** 1984 Jul;6(4):329–40

Prospects for control of the IgE antibody response. Sampson HA. **Pediatr Clin North Am** 1983 Oct;30(5):773–84 (47 ref.)

Oral immunization to milk protein in human infants in the presence of passive antibody. Müller W, et al. **Pediatr Res** 1983 Sep;17(9):724–8

Immune responses to fed protein antigens in mice. 3. Systemic tolerance or priming is related to age at which antigen is first encountered. Strobel S, et al. **Pediatr Res** 1984 Jul; 18(7):588–94

Synergistic effects of antigen and soluble T-cell factors in B-lymphocyte activation. Jelachich ML, et al. **Proc Natl Acad Sci USA** 1984 Sep;81(17):5537–41

Generation of antibody diversity in the immune response of BALB/c mice to influenza virus hemagglutinin. McKean D, et al. **Proc Natl Acad Sci USA** 1984 May;81(10):3180–4

Structural analysis of antigen-specific Ia-bearing regulatory T-cell factors: gel electrophoretic analysis of the antigen-specific augmenting T -cell factor. Miyatani S, et al. **Proc Natl Acad Sci USA** 1983 Oct;80(20):6336–40

Mice completely suppressed for the expression of immunoglobulin kappa light chain. Weiss S, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(1):211–5

Deficient humoral antibody response of the spontaneously diabetic Chinese hamster. Fletcher-McGruder BL, et al. **Proc Soc Exp Biol Med** 1984 Jan;175(1):74–8

T cells and the anti-trinitrophenyl antibody response to fetal calf serum and 2-mercaptoethanol. Soderberg LS, et al. **Proc Soc Exp Biol Med** 1983 Oct;174(1):107–13

Humoral immune response in guinea pigs at different stages of experimental allergic encephalomyelitis. Lassmann H, et al. **Prog Clin Biol Res** 1984;146:171–8

Humoral immune response in chronic relapsing experimental allergic encephalomyelitis (r-EAE) in guinea pigs. Olsson T, et al. **Prog Clin Biol Res** 1984;146:179–86

Cellular and humoral immune response to MBP during the course of chronic relapsing EAE. Schwerer B, et al. **Prog Clin Biol Res** 1984;146:187–92

Prevention and treatment of induced antibodies to clotting factors in hemophilia—applications of advances in immunology. Steinberg AD. **Prog Clin Biol Res** 1984; 150:155–66

Stressful events, dysphoric mood, and immune responsiveness. Linn MW, et al. **Psychol Rep** 1984 Feb; 54(1):219–22

Properties of antibodies to thymine glycol, a product of the radiolysis of DNA. Rajagopalan R, et al. **Radiat Res** 1984 Mar;97(3):499–510

Influence of conditioned psychological stress on immunological recovery in mice exposed to low-dose X irradiation. Sato K, et al. **Radiat Res** 1984 May;98(2):381–8

The nature of the antibody response. Allain JP. **Scand J Haematol [Suppl]** 1984;40:177–9

Immune capacity of the chicken bursectomized at 60 H of incubation. Effect of bursal epithelial cells and bursal epithelium-conditioned medium on the production of immunoglobulins and specific antibodies in vitro. Eerola E, et al. **Scand J Immunol** 1984 Jun;19(6):493–500

Role of antigen in the regulation of the immune response to dextran B512. Fernandez C, et al. **Scand J Immunol** 1984 Apr;19(4):329–35

Adjuvants influence the immunoglobin subclass distribution of immune responses in vivo. Hadjipetrou-Kourounakis L, et al. **Scand J Immunol** 1984 Mar;19(3):219–25

Pathophysiological assessment—humoral immunity. Jans H. **Scand J Rheumatol [Suppl]** 1983;51:73–8

Homeostasis of the antibody response: immunoregulation by NK cells. Abruzzo LV, et al. **Science** 1983 Nov 11; 222(4624):581–5

Rectal insemination modifies immune responses in rabbits. Richards JM, et al. **Science** 1984 Apr 27;224(4647):390–2

Prolonged weightlessness and humoral immunity. Voss EW Jr. **Science** 1984 Jul 13;225(4658):214–5

The cellular and humoral basis of the immune response. Yunis E. **Semin Arthritis Rheum** 1983 Aug;13(1 Suppl 1):89–93 (11 ref.)

Regulation of immune response by components of the complement cascade and their activated fragments. Weigle WO, et al. **Springer Semin Immunopathol** 1983; 6(2-3):173–94 (88 ref.)

Rapid screening for humoral immune deficiency. Tauris P. **Tissue Antigens** 1984 Mar;23(3):185–7

A new method to prepare rabbit immune anti-M and -N sera using blood group substance trapped in autologous red cell ghost as an immunogen. Yokoi T, et al. **Tohoku J Exp Med** 1983 Jul;140(3):289–96

Incidence of antibody formation and positive direct antiglobulin tests in a multitransfused hemodialysis population. Lasky LC, et al. **Transfusion** 1984 May-Jun; 24(3):198–200

Induction of antibodies by blood transfusions capable of inhibiting responses in MLC. Nagarkatti PS, et al. **Transplantation** 1983 Dec;36(6):695–9

Histology of the bone marrow antibody response. An immunocytochemical study during the secondary response in mouse and rat. Geldof AA, et al. **Virchows Arch [Cell Pathol]** 1983;44(1):65–72

Non-specific polyclonal antibody response induced by Mycoplasma pneumoniae. Biberfeld G, et al. **Yale J Biol Med** 1983 Sep-Dec;56(5-6):639–42

The immunoglobulin response of swine following experimental infection with Leptospira interrogans serovar pomona. Ballard SA, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 Apr; 256(4):510–7

[Various aspects of the immune response: a molecular enigma] Bussard AE. **Bull Mem Acad R Med Belg** 1983; 138(6):389–405 **(Fre)**

[Congenital malaria and seroconversion following anti-measles vaccination] Diallo S, et al. **Dakar Med** 1983; 28(1):143–7 (Eng. Abstr.) **(Fre)**

[Chemiluminescent measuring of whole blood for quantitative determination of the immune response to pneumococcal vaccination] Heberer M, et al. **Helv Chir Acta** 1984 Jun;51(2):283–6 (Eng. Abstr.) **(Ger)**

[Rubella immunization with HPV77DE5 and RA 27/3 vaccines of 11 to 16-year-old girls: studies of antibody formation and antibody resistance after 4 and 8 years] Gitmans U, et al. **Immun Infekt** 1983 May;11(3):79–90 (Eng. Abstr.) **(Ger)**

[Immunologic and biochemical aspects of sarcoidosis] Bartmann K. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:506–16 (Eng. Abstr.) **(Ger)**

[Humoral immunologic effector mechanisms in perimyocarditis] Maisch B. **Verh Dtsch Ges Herz Kreislaufforsch** 1983;49:117–30 **(Ger)**

[Efficacy and tolerance of hepatitis B vaccination in medical personnel and hemodialysis patients] Horak W, et al. **Wien Klin Wochenschr** 1984 Feb 17;96(4):161–5 (Eng. Abstr.) **(Ger)**

[Experiences with vaccination against hepatitis B] Kunz C, et al. **Wien Klin Wochenschr** 1984 Feb 17;96(4):158–61 (Eng. Abstr.) **(Ger)**

[T-cell kinetics and course of humoral immune response following subcutaneous immunization with tetanus toxoid fluid vaccine] Thilo W, et al. **Zentralbl Chir** 1983; 108(14):865–74 (Eng. Abstr.) **(Ger)**

[Humoral immunity profile in idiopathic paralysis of the VIIth cranial nerve] Galli M, et al. **Acta Otorhinolaryngol Ital** 1983 Jul-Aug;3(4):409–15 (Eng. Abstr.) **(Ita)**

[Evaluation of antibody formation in population of children vaccinated with inactivated influenza virus] Melluso G, et al. **Nuovi Ann Ig Microbiol** 1982 Jan-Feb;33(1):23–31 (Eng. Abstr.) **(Ita)**

[The immunizing efficacy of anti-influenza vaccines] Profeta ML. **Nuovi Ann Ig Microbiol** 1982 Jul-Dec;33(4–6):785–97 (Eng. Abstr.) **(Ita)**

[Studies on the defense mechanisms in the respiratory system. iv. effect of inhaling cigarette smoke on the levels of immunoglobulins and lysozyme in bronchial lavage fluid and antibody production] Kado M, et al. **Bull Chest Dis Res Inst Kyoto Univ** 1983 Mar;16(1-2):21–6 (Eng. Abstr.) **(Jpn)**

[Biological protective mechanisms during pregnancy] Hamada M. **Fukuoka Igaku Zasshi** 1983 Sep;74(9):569–83 (Eng. Abstr.) **(Jpn)**

[Immune responsiveness and resistance to bacterial infection in acutely starved mice] Higuchi K. **Fukuoka Igaku Zasshi** 1984 Apr;75(4):186–96 (Eng. Abstr.) **(Jpn)**

[Production of antithyroid hormone antibodies. 2. Genetic control of the production of anti-human thyroglobulin and antithyroid hormone antibodies in mice immunized with human thyroglobulin] Sakata S, et al. **Nippon Naibunpi Gakkai Zasshi** 1983 Nov 20; 59(11):1729–37 (Eng. Abstr.) **(Jpn)**

[Human B cell activating mechanism. III. Determination of supernatant Ig in culture by fluorescent immunoassay and its clinical significance] Funato T, et al. **Rinsho Byori** 1983 Sep;31(9):1001–5 **(Jpn)**

[Changes in the immune status in chronic lymphatic leukemia as dependent on the clinical stage] Costescu M, et al. **Rev Med Interna [Med Interna]** 1983 Sep-Oct;35(5):439–44 **(Rum)**

[Cellular and humoral immune studies in acute viral hepatitis] Stanciu L, et al. **Rev Med Interna [Med Interna]** 1983 Jul-Aug;35(4):349–56 (Eng. Abstr.) **(Rum)**

[The humoral immunologic picture in repeatedly dialyzed patients as compared with those with residual diuresis] Ursea N, et al. **Rev Med Interna [Med Interna]** 1983 Nov-Dec;35(6):541–4 (Eng. Abstr.) **(Rum)**

[Effect of Fab-fragments of antibodies against spleen cell surface antigens on the development of antibody formation in cultures of different densities] Korukova AA, et al. **Biull Eksp Biol Med** 1984 Mar;97(3):315–7 (Eng. Abstr.) **(Rus)**

[Chemical bionics—a new principle of conjugated antigen synthesis for the production of antibodies to low-molecular chemical compounds] Folevaia OIu, et al. **Dokl Akad Nauk SSSR** 1983;271(2):473–7 **(Rus)**

[Glucocorticoid hormones and the immune response] Shkhinek EK, et al. **Fiziol Zh SSSR** 1984 Feb;70(2):213–20 (Eng. Abstr.) **(Rus)**

[Modeling of multi-signal immobilized immunogens] Kashkin KP, et al. **Patol Fiziol Eksp Ter** 1983 Jul-Aug;(4):73–82 **(Rus)**

[Immune response and susceptibility to infection in children with iron deficiency anemia] Malakhovskiĭ IuE, et al. **Pediatriia** 1983 Aug;(8):28–31 (Eng. Abstr.) **(Rus)**

[Changes in immunity in amyotrophic lateral sclerosis] Khondkarian OA, et al. **Sov Med** 1983;(9):33–6 (Eng. Abstr.) **(Rus)**

[Antibody formation in patients and the time periods of kidney allograft functioning] Tsygankova ST, et al. **Sov Med** 1984;(1):39–43 (Eng. Abstr.) **(Rus)**

[Effect of glucocorticoids on the immune system and their therapeutic efficacy in patients with acute glomerulonephritis] Kolesnik NA. **Vrach Delo** 1983 Oct; (10):67–70 (2 ref.) (Eng. Abstr.) **(Rus)**

[Preparation and use of monoclonal antibodies] Russ G. **Bratisl Lek Listy** 1983 Sep;80(3):257–66 (Eng. Abstr.) **(Slo)**

DRUG EFFECTS

The influence of high-dose prednisone medication on autoantibody specific activity and on circulating immune complex level in cerebrospinal fluid of multiple sclerosis patients. Wajgt A, et al. **Acta Neurol Scand** 1983 Dec; 68(6):378–85

Effect of dipyridamole on immune response in mice. Zgórniak-Nowosielska I, et al. **Acta Virol (Praha)** 1984 May;28(3):251–4

Increased incidence of homogeneous immunoglobulins in irradiated, reconstituted mice after prolonged treatment with 2'-deoxyguanosine. van den Akker TW, et al. **Adv Exp Med Biol** 1984;165 Pt B:193–7

The bilateral effect of theophylline on immune response mechanisms. Gillissen G. **Allergol Immunopathol (Madr)** 1983 Sep-Oct;11(5):321–7

Host defense abnormalities predisposing the patient to infection. Peterson PK. **Am J Med** 1984 May 15; 76(5A):2–10 (47 ref.)

Hematologic and immunologic responses of Holstein calves to a fire ant toxicant. Evans DL, et al. **Am J Vet Res** 1984 May;45(5):1023–7

Immunobiological properties of the complex of bivalent copper with 3-mercapto-2-hydroxypropyl ether of dextran (C-79). Wieczorek Z, et al. **Arch Immunol Ther Exp (Warsz)** 1983;31(5):691–700

Immunological properties of 3-morpholine-2-hydroxypropyl ether of dextran (H-2). Wieczorek Z, et al. **Arch Immunol Ther Exp (Warsz)** 1983;31(5):677–89

The inhibitory activity of a proline-rich polypeptide (PRP) on the immune response to polyvinylpyrrolidone (PVP). Zimecki M, et al. **Arch Immunol Ther Exp (Warsz)** 1983; 31(6):895–903

Effects of single exposure to cadmium on the primary humoral antibody response. Kawamura R, et al. **Arch Toxicol** 1983 Dec;54(4):289–96

Development of antinuclear antibody in patients treated with high doses of captopril. Reidenberg MM, et al. **Arthritis Rheum** 1984 May;27(5):579–81

Effect of E-64, a thiol protease inhibitor, on antibody formation in mice. Amamoto T, et al. **Biochem Biophys Res Commun** 1984 Jan 13;118(1):117–23

Immune responses to chlorpromazine in rats. Detection and relation to hepatotoxicity. Mullock BM, et al. **Biochem Pharmacol** 1983 Sep 15;32(18):2733–8

The effect of surface charges of liposomes in immunopotentiation. Latif N, et al. **Biosci Rep** 1984 Feb; 4(2):99–107

Thymosin fraction 5 does not accelerate reconstitution of immunologic reactivity after human marrow grafting. Witherspoon RP, et al. **Br J Haematol** 1983 Dec; 55(4):595–608

Direct suppression of in vitro antibody production by mouse spleen cells by the carcinogen benzo(a)pyrene but not by the noncarcinogenic congener benzo(e)pyrene. White KL Jr, et al. **Cancer Res** 1984 Aug;44(8):3388–93

Interaction of gangliosides with B cells in splenic fragment cultures. Chaney WG, et al. **Cell Immunol** 1984 Jun; 86(1):165–70

Bacteria-derived human leukocyte interferons alter in vitro humoral and cellular immune responses. Shalaby MR, et

al. **Cell Immunol** 1983 Dec;82(2):269–81
Effects of trifluoperazine, a calmodulin antagonist, on rabbit T- and B-cell responses to mitogens and antigen. Stavitsky AB, et al. **Cell Immunol** 1984 Sep;87(2):411–23
Lectin-induced modulation of the antibody response to type III pneumococcal polysaccharide. Taylor CE, et al. **Cell Immunol** 1984 Jan;83(1):26–33
Characterization of immunological depression in mice exposed to normobaric oxygen. Levacher-Place M, et al. **Clin Exp Immunol** 1983 Nov;54(2):580–6
Effect of hydrocortisone on the in vitro human antibody response: interaction with monocytes and prostaglandins. Galanaud P, et al. **Clin Immunol Immunopathol** 1983 Dec; 29(3):403–14
Effects of D-penicillamine on inflammatory and immune reactions. Harth M, et al. **Clin Invest Med** 1984;7(1):45–51
Experimental study of antibiotic-induced immunosuppression in mice. 1. Humoral and cell-mediated immune responsiveness related to in vivo antibiotic treatment. Voiculescu C, et al. **Comp Immunol Microbiol Infect Dis** 1983;6(4):291–9
The effect of low dose oral contraceptives on the initial immune response to infection. Baker DA, et al. **Contraception** 1984 Jun;29(6):519–25
Immunological status in heroin addicts: effects of methadone maintenance treatment. Lazzarin A, et al. **Drug Alcohol Depend** 1984 Mar;13(2):117–23
The immunomodulatory effects of two plant growth regulators, cycloheximide and maleic hydrazide, in white mice. Olson LJ, et al. **Drug Chem Toxicol** 1983;6(4):341–61
Immune responsiveness and phagocytic activity of macrophages in streptozotocin (SZ)-induced diabetic mice. Nakano K, et al. **Endocrinol Jpn** 1984 Feb;31(1):15–22
Influence of the thymic extract (TP2) on some humoral and cell mediated immunity reactions in normal or irradiated animals. Boeru V, et al. **Endocrinologie** 1983 Oct-Dec; 21(4):233–41
Pesticide-containing diets augment anti-sheep red blood cell nonreaginic antibody responses in mice but may prolong murine infection with Giardia muris. André F, et al. **Environ Res** 1983 Oct;32(1):145–50
The introduction of one or two 3 beta-cholestanyl residues into benzylpenicilloyl-eicosa-L-lysines greatly potentiates their tolerogenicity for anti-benzylpenicillol IgE antibody formation. Lüscher IF, et al. **Eur J Immunol** 1984 Jan; 14(1):68–74
Effect of orally administered food-grade carrageenans on antibody-mediated and cell-mediated immunity in the inbred rat. Nicklin S, et al. **Food Chem Toxicol** 1984 Aug; 22(8):615–21
Mechanisms of genetic control of immune responses. I. Evidence for distinct multi-step helper T-cell pathways in cellular and humoral responses to GAT. Miller SD, et al. **Immunogenetics** 1984;19(5):391–407
Modulation by zinc of the in vitro antibody response to T-dependent and T-independent antigens. Malavé I, et al. **Immunol Commun** 1983;12(4):397–406
Effects of subchronic exposure to diethylstilbestrol on humoral immune function in adult female (C3B6)F1 mice. Bick PH, et al. **Immunopharmacology** 1984 Feb;7(1):27–39
Suppressor cells in levamisole-treated mice: a possible role of T-cell-mediated feedback suppression in the drug-induced suppression of the humoral immune response. Kurakata S, et al. **Immunopharmacology** 1983 Dec; 6(4):279–87
Augmentation of in vitro antibody response by disulfide compounds. II. T cell-mediated augmentation by oxidized dithiothreitol, an intramolecular disulfide. Ohmori H, et al. **Immunopharmacology** 1984 Jun;7(3–4):159–65
Effect of diethylcarbamazine on skin test & antibody response. Saxena RP, et al. **Indian J Exp Biol** 1983 Aug; 21(8):415–8
Enhancement by murabutide of the immune response to natural and synthetic hepatitis B surface antigens. Audibert FM, et al. **Infect Immun** 1984 Jul;45(1):261–6
Effect of cyclophosphamide on the immune responsiveness of jirds infected with Brugia pahangi. Katz SP, et al. **Infect Immun** 1984 Feb;43(2):753–5
Immunomodulating effects of 13-cis retinoic acid on the IgG and IgM response of BALB/c mice. Barnett JB. **Int Arch Allergy Appl Immunol** 1983;72(3):227–33
The effect of a single dose of cyclophosphamide on the kinetics of antibody production in the guinea pig. Drössler K, et al. **Int J Immunopharmacol** 1983;5(4):323–7
Kinetics of the effect of a single dose of cyclosporin-A on antibody and cell mediated immune responses in the guinea pig. Parker D, et al. **Int J Immunopharmacol** 1984; 6(1):67–74
Effects of B-complex vitamins on cellular and humoral immune functions in vitro and in vivo. Anderson R, et al. **Int Z Vitam Ernahrungsforsch [Beih]** 1983;24:77–84
The relationship of airborne trimellitic anhydride concentrations to trimellitic anhydride—induced symptoms and immune responses. Bernstein DI, et al. **J Allergy Clin Immunol** 1983 Dec;72(6):709–13
Supplemental zinc restores antibody formation in cultures of aged spleen cells. Winchurch RA, et al. **J Immunol** 1984 Aug;133(2):569–71
Bacterial immunostimulant (Broncho-Vaxom) versus levamisole on the humoral immune response in mice. Bosch A, et al. **J Immunopharmacol** 1983;5(1–2):107–16
Interferon as an in vitro modifier of immune responses induced by combined vaccine (DTP) in mice. Dimitrov NV, et al. **J Immunopharmacol** 1983;5(4):291–310
Mechanism of enhanced humoral response in rodents by a synthetic polymer. Teodorczyk-Injeyan JA, et al. **J Immunopharmacol** 1983;5(3):147–72
Inhibition of cell division and antibody secretion by murine alpha/beta interferon: effects on plasmacytoma and hybridoma lymphoid cells. Bhayani H, et al. **J Interferon Res** 1984;4(1):41–50
Poly ICLC induces anti-IC antibodies in mice and rabbits. Granados EN, et al. **J Interferon Res** 1984;4(1):57–62
Suppression of the in vitro specific antibody response by 12-O-tetradecanoylphorbol-13-acetate (TPA) in the mouse. Shopp GM, et al. **J Leukocyte Biol** 1984 Jul; 36(1):51–61
Synthesis of 3,6-bis(aminoalkoxy)acridines and their effect on the immune System. Angier RB, et al. **J Med Chem** 1983 Dec;26(12):1710–5
Adherent cell requirement for the effect of vitamin E on in vitro antibody synthesis. Gebremichael A, et al. **J Nutr** 1984 Jul;114(7):1297–305
Effects of N-nitrosodimethylamine on humoral immunity. Holsapple MP, et al. **J Pharmacol Exp Ther** 1984 May; 229(2):493–500
Beta adrenoceptor mediation of the enhancing effect of norepinephrine on the murine primary antibody response in vitro. Sanders VM, et al. **J Pharmacol Exp Ther** 1984 Jul;230(1):183–92
Induction of humoral immunity to protein antigen without adjuvant in rats exposed to immunosuppressive chemicals. Koller LD, et al. **J Toxicol Environ Health** 1983 Aug-Sep; 12(2–3):173–81
The effect of inorganic lead and/or a polychlorinated biphenyl on the developing immune system of mice. Talcott PA, et al. **J Toxicol Environ Health** 1983 Aug-Sep; 12(2–3):337–52
Effect of (+/-)-2-[p-(2-thenoyl)phenyl] propionic acid (suprofen) on experimental allergic reactions. Yokoya F, et al. **Jpn J Pharmacol** 1984 Jan;34(1):23–31
Captopril and immune regulation. Delfraissy JF, et al. **Kidney Int** 1984 Jun;25(6):925–9
Dietary lipid modulation of immune responsiveness. Erickson KL, et al. **Lipids** 1983 Jul;18(7):468–74
Effect of E-64, thiol protease inhibitor, on the secondary anti-SRBC response in vitro. Amamoto T, et al. **Microbiol Immunol** 1984;28(1):85–97
Effect of IFN-gamma on the immune response in vivo and on gene expression in vitro. Nakamura M, et al. **Nature** 1984 Jan 26-Feb 1;307(5949):381–2
Enhanced growth and immune development in dwarf chickens treated with mammalian growth hormone and thyroxine. Marsh JA, et al. **Proc Soc Exp Biol Med** 1984 Mar;175(3):351–60
Feline miliary eczema: megestrol acetate does not suppress immune responses. Browning MJ, et al. **Res Vet Sci** 1983 Sep;35(2):245–6
Suppression of secondary antibody response by intravenous immunoglobulin and development of tolerance in a patient with haemophilia B and antibodies. Nilsson IM, et al. **Scand J Haematol [Suppl]** 1984;40:203–6
Studies of immune function and host resistance in B6C3F1 mice exposed to formaldehyde. Dean JH, et al. **Toxicol Appl Pharmacol** 1984 Mar 15;72(3):519–29
The effects of stannous chloride on the humoral immune response of mice. Hayashi O, et al. **Toxicol Lett** 1984 Jun; 21(3):279–85
Immunomodulating effects of anticancer drugs: the example of adriamycin. Mihich E, et al. **Transplant Proc** 1984 Apr; 16(2):499–501
[Activation by injectable gamma globulins of the suppressive functions of the humoral response tested in vitro] Durandy A, et al. **Presse Med** 1983 Nov 17;12(41):2567–71 (Eng. Abstr.) **(Fre)**
[Modification of antibody formation in animal experiments by glucocorticoids and aristolochic acid] Siering H, et al. **Z Gesamte Inn Med** 1984 Mar 1;39(5):81–4 (Eng. Abstr.) **(Ger)**
[Effect of a high dose of amethopterin on the immune response of the rabbit to xenogenic erythrocytes] Losacco R, et al. **Chir Patol Sper** 1982 Dec;30(6):197–202 (Eng. Abstr.) **(Ita)**
[Influence of a high dose of 6-mercaptopurine on the immune response of rabbits to xenogenic erythrocytes] Losacco T, et al. **Chir Patol Sper** 1982 Dec;30(6):191–6 (Eng. Abstr.) **(Ita)**
[Modulation of antibody response by sex hormones] Ikemoto Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Nov; 80(11):2404–13 (Eng. Abstr.) **(Jpn)**
[Bone marrow mediators regulating the immune response (myelopeptides)] Petrov RV, et al. **Gematol Transfuziol** 1984 Feb;29(2):43–5 (Eng. Abstr.) **(Rus)**
[Effect of carbostimulin on the concentration of tricarboxylic cycle metabolites, oxidative processes and antibody biosynthesis in the rat] Zhuravskiĭ NI, et al. **Ukr Biokhim Zh** 1984 Jan-Feb;56(1):88–91 (Eng. Abstr.) **(Rus)**
[A reactivity to polyclonal stimulation of immunogenesis with salmozan after its repeated administration] Fontalin LN, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Oct; (10):68–71 (Eng. Abstr.) **(Rus)**
[Effect of starch-induced structural and functional modification in a population of free phagocytes on antibody formation induction by ram erythrocytes in mice] Osipov IuG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Nov; (11):83–6 (Eng. Abstr.) **(Rus)**
[Phenobarbital: in vivo study of its possible interactions at immunologic and cytogenetic levels] Conde Guerri B. **Med Clin (Barc)** 1984 Jan 21;82(2):57–61 (Eng. Abstr.) **(Spa)**
[Changes induced by cyclophosphamide in mice immune response to sheep red blood cells] Giovanniello OA, et al. **Medicina (B Aires)** 1983;43(3):301–7 (Eng. Abstr.) **(Spa)**
[Effects of Immunoferon on humoral immune response] Gillissen G, et al. **Rev Clin Esp** 1984 Jan 15;172(1):21–2 (Eng. Abstr.) **(Spa)**
[Effect of cannabinoids on the immune response of rabbits to Bordetella bronchiseptica antigen] Ruiz H, et al. **Rev Latinoam Microbiol** 1982 Oct-Dec;24(4):241–5 (Eng. Abstr.) **(Spa)**

RADIATION EFFECTS

Radioprotective activity of the complex of bivalent copper with 3-mercapto-2-hydroxypropyl ether of dextran (C-79). Wieczorek Z, et al. **Arch Immunol Ther Exp (Warsz)** 1983;31(5):715–29
Radiosensitivity of synthesis of various antibodies. Mal'tsev VN. **J Hyg Epidemiol Microbiol Immunol** 1984; 28(2):217–22
[Effect of microwave radiation on autoimmune processes in pregnant and non-pregnant animals] Naumenko GM. **Vrach Delo** 1984 Mar;(3):109–11 (Eng. Abstr.) **(Rus)**

ANTIBODY FRAGMENTS see **IMMUNOGLOBULIN FRAGMENTS**

ANTIBODY PRODUCING CELLS

see related
HEMOLYTIC PLAQUE TECHNIC

Antimonocyte serum. The effect on blast transformation, RFC and PFC formation. Rudnicka W, et al. **Arch Immunol Ther Exp (Warsz)** 1983;31(4):459–65
A solid-phase enzyme-linked immunospot (ELISPOT) assay for enumeration of specific antibody-secreting cells. Czerkinsky CC, et al. **J Immunol Methods** 1983 Dec 16; 65(1–2):109–21

ANALYSIS

Characterization of antibody-forming cells adjacent to laryngeal carcinoma. Danielson JR, et al. **Arch Otolaryngol** 1984 May;110(5):327–8
Peroxidase immunocytochemistry for the detection of specific anti-hapten (penicilloyl) antibody producing cells in the spleen, after injection of a hapten-carrier conjugate. van Rooijen N, et al. **Immunol Commun** 1984;13(1):29–34
Double immunocytochemical staining in the study of antibody-producing cells in vivo. Detection of specific antibody-producing cells in the spleen and simultaneous determination whether or not they produce immunoglobulin G antibodies. Van Rooijen N, et al. **J Histochem Cytochem** 1984 Jul;32(7):677–80
Immunohistochemical characterization of intracellular J-chain and binding site for secretory component (SC) in human immunoglobulin (Ig)-producing cells. Brandtzaeg P. **Mol Immunol** 1983 Sep;20(9):941–66
[Immunocompetent cells in the beds of full-thickness skin allografts transplanted at various times of the day] Gololobov VG. **Biull Eksp Biol Med** 1984 Jan;97(1):91–3 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

An idiotype-specific helper population that bears immunoglobulin, Ia, and Lyt-1 determinants. Sherr DH, et al. **J Exp Med** 1984 Apr 1;159(4):1189–200

CYTOLOGY

Immunologic reactions at various stages after transplantation of cryopreserved bone marrow. Tsutsaeva A, et al. **Folia Haematol (Leipz)** 1983;110(2):231–41
Morphology, kinetics and secretory activity of antibody-forming cells. Geldof AA, et al. **Immunobiology** 1984 May;166(3):296–307
Double immunocytochemical staining in the study of antibody-producing cells in vivo. Simultaneous detection of anti-hapten and anti-carrier antibody-producing cells in lymphoid tissue. Van Rooijen N, et al. **Immunology** 1984 Mar;51(3):417–21
Origins of serum IgE and of the homocytotropic antibody-secreting cells in the thoracic duct lymph of rats infested with Nippostrongylus brasiliensis. Allan W, et al. **Int Arch Allergy Appl Immunol** 1984;74(3):270–3
Double immunocytochemical staining in the study of antibody-producing cells in vivo. Simultaneous detection of cells producing monospecific antibodies and cells producing cross-reacting antibodies in the spleen of rabbits after injection of two related antigens. Van Rooijen N, et al. **J Histochem Cytochem** 1984 Aug;32(8):844–8
Presidential address: molecular aspects of B cell differentiation. American Association of Immunologists April 1983. Koshland ME. **J Immunol** 1983 Dec;131(6):i–ix (50 ref.)

Presence of IgA-producing cells in rats and mice in relation to microbial status. Mullink JW, et al. **Lab Anim** 1984 Jul; 18(3):252–7

Detection of single antibody-secreting cells generated after in vitro antigen-induced stimulation of human peripheral blood lymphocytes. Czerkinsky C, et al. **Scand J Immunol** 1984 Jun;19(6):575–9

DRUG EFFECTS

Lipoprotein-induced inhibition of plaque-forming cell generation and natural killer cell frequency in aged donors. Antonaci S, et al. **Ann Immunol (Paris)** 1984 Mar–Apr; 135C(2):241–9

Long term administration of cyclophosphamide into MRL/1 mice. II. The effects on the isotype of anti-DNA antibodies and immunoglobulin secreting cells in the spleen. Shiraki M, et al. **Clin Exp Immunol** 1984 Mar;55(3):519–24

Prostaglandin E2 regulation of human specific B-cell response: interaction with a monocyte product. Emilie D, et al. **Clin Immunol Immunopathol** 1983 Dec;29(3):415–23

Induction of immunoglobulin-secreting cells by 2-mercaptoethanol in in vitro culture of B cells from autoimmune mice. Fujiwara M, et al. **Immunology** 1984 Apr;51(4):801–8

Comparison of 2'-fluoro-arabinosyl pyrimidine nucleosides and 1-beta-D-arabinofuranosylcytosine on immunological parameters in vitro. Merluzzi VJ, et al. **Int J Immunopharmacol** 1983;5(5):421–5

Inhibition of antibody responses to phosphocholine by C-reactive protein. Nakayama S, et al. **J Immunol** 1984 Mar;132(3):1336–40

Glucocorticosteroids stimulate polyclonal immunoglobulin production by cord blood mononuclear cells. Orson FM, et al. **J Immunol** 1984 Jul;133(1):208–12

Interferon as an in vitro modifier of immune responses induced by combined vaccine (DTP) in mice. Dimitrov NV, et al. **J Immunopharmacol** 1983;5(4):291–310

Plaque-forming cells in man. IV. Influence of acetylsalicylic acid in vivo and dexamethasone in vitro. Tauris P. **Scand J Immunol** 1984 Feb;19(2):129–33

[Are suppressor T-cells the primary target cells of lead immunotoxicity?] Hambach A, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Dec; 178(4):316–28 (Eng. Abstr.) **(Ger)**

[Stimulant of antibody producers isolated from the supernatants of cell cultures of normal human bone marrow and in various diseases] Petrov RV, et al. **Biull Eksp Biol Med** 1984 Aug;97(8):213–5 (Eng. Abstr.) **(Rus)**

[Reaction of the blood system to the administration of a bone marrow mediator stimulating antibody production] Gorizontov PD, et al. **Gematol Transfuziol** 1984 Apr; 29(4):28–31 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Lymph node involvement in a humoral immune response. Geldof AA, et al. **Anat Rec** 1984 Aug;209(4):541–6

Antimonocyte serum. The effect on blast transformation, RFC and PFC formation. Rudnicka W, et al. **Arch Immunol Ther Exp (Warsz)** 1983;31(4):459–65

Specific in vitro anti-mannan antibody production by human blood lymphocytes. Durandy A, et al. **Birth Defects** 1983; 19(3):41–5

Appearance of antibody-producing cells in the peripheral blood in response to immunization with a specific antigen. Ochs HD, et al. **Birth Defects** 1983;19(3):47–50

Suppression of polyclonal human B cell activation by IgG binding factors: interference with the maturation of Ig-containing cells into Ig-secreting cells. Bich-Thuy LT, et al. **Cell Immunol** 1984 Aug;87(1):231–9

Human thymus-independent antibody response in vitro: III. Precursor frequencies and fine specificity of human B cells stimulated by TNP-Ba in the presence and absence of Con A. Golding B, et al. **Cell Immunol** 1984 May;85(2):309–17

Regulatory mechanisms of the immune response to heterologous insulins. I. Development and regulation of plaque-forming cell responses in vitro. Jensen PE, et al. **Cell Immunol** 1984 Aug;87(1):73–84

Regulation of naturally occurring autoantibody-producing cells: detection of a suppressive substance which inhibits the secretion of antibodies directed against enzyme-treated isologous erythrocytes. Moticka EJ. **Cell Immunol** 1983 Oct 1;81(1):28–35

The regulatory roles of T4 and T8 subsets in tetanus toxoid-induced in vitro immunoglobulin production. Orcutt-Thordarson N, et al. **Cell Immunol** 1983 Nov; 82(1):184–95

Antigen-specific human B-cell responses: modulation by immunoregulatory T-cell subsets. Peters M, et al. **Cell Immunol** 1983 Dec;82(2):223–31

Distribution of anti-histone-antibody-secreting cells in NZB/NZW mice. Portanova JP, et al. **Cell Immunol** 1984 Sep;87(2):485–93

Mitogenic stimulation of malignant B cells. Chronic lymphocytic leukaemia: secretion of monoclonal IgM by in vitro-induced plasmablasts. Bloem AC, et al. **Clin Exp Immunol** 1984 Mar;55(3):636–42

Immunoglobulin secretion by peripheral blood and bone marrow B cells in patients with multiple myeloma. Studies by the reverse haemolytic plaque assay. Dammacco F, et al. **Clin Exp Immunol** 1984 Sep;57(3):743–51

Immune capacity of the chicken bursectomized at 60 hr of incubation: effect of adherent cells on the production of immunoglobulins and specific antibodies in vitro. Eerola E, et al. **Clin Immunol Immunopathol** 1984 May; 31(2):202–11

Enumeration of human immunoglobulin-secreting cells by the ELISA-plaque method: IgE and IgG isotypes. Holt PG, et al. **Clin Immunol Immunopathol** 1984 Jan; 30(1):159–64

Peripheral blood mononuclear cells of splenectomized patients are unable to differentiate into immunoglobulin-secreting cells after pokeweed mitogen stimulation. Müller C, et al. **Clin Immunol Immunopathol** 1984 Apr;31(1):118–23

Antibody-mediated immune response in the bat, Pteropus giganteus. Chakraborty AK, et al. **Dev Comp Immunol** 1984 Spring;8(2):415–23

Immunoglobulin-bearing blood leucocytes in the Pacific hagfish. Raison RL, et al. **Dev Comp Immunol** 1984 Winter; 8(1):99–108

Lack of a requirement for idiotype matching: T cells from mice which cannot produce idiotype support idiotype-positive antibody response. Etlinger HM, et al. **Eur J Immunol** 1983 Oct;13(10):851–5

Polyclonal B cell responses in the presence of defined filler cells: complementary effects of lipopolysaccharide and anti-immunoglobulin antibodies. Zubler RH. **Eur J Immunol** 1984 Apr;14(4):357–63

J chain-positive cells in bursectomized chicks. Moriya O, et al. **Immunol Lett** 1984;7(5):289–91

Primary in vitro plaque-forming cell response to DAGG-Ficoll: LPS-induced enhancement mediated by interleukin-1. Curtis JL, et al. **Immunology** 1984 Aug; 52(4):711–9

Immunoglobulin-containing cells and the origin of immunoglobulins in the respiratory tract of sheep. Scicchitano R, et al. **Immunology** 1984 Jul;52(3):529–37

Frequencies of background cytoplasmic Ig-containing cells in various lymphoid organs of athymic and euthymic mice as a function of age and immune status. Van Oudenaren A, et al. **Immunology** 1984 Apr;51(4):735–42

Plaque forming cell assay for antibody secreting cells in the bat Pteropus giganteus. Chakraborty AK, et al. **Indian J Exp Biol** 1983 Jan;21(1):5–7

Regulation of the development of plaque-forming cells to bromelain-treated syngeneic mouse erythrocytes in bone marrow cell cultures. Garzelli C, et al. **Int Arch Allergy Appl Immunol** 1983;72(3):253–9

Polyclonal stimulation of resting B lymphocytes by antigen-specific T lymphocytes. DeFranco AL, et al. **J Exp Med** 1984 Mar 1;159(3):861–80

Precocious and enhanced functional maturation of B lineage cells in New Zealand Black mice during embryonic development. Jyonouchi H, et al. **J Exp Med** 1984 Apr 1;159(4):1277–82

Phosphorylcholine on Streptococcus pneumoniae R36a is responsible for in vitro polyclonal antibody secretion by human peripheral blood lymphocytes. Beckmann E, et al. **J Immunol** 1984 May;132(5):2174–6

Modulation of polyclonally activated human peripheral B cells by aggregated IgG and by IgG-binding factors: differential effect on IgG subclass synthesis. Bich-Thuy LT, et al. **J Immunol** 1984 Aug;133(2):544–9

Human in vivo antigen-induced lymphoblastoid B cells are capable of cyclical antibody production in vitro. Brieva JA, et al. **J Immunol** 1984 Jul;133(1):147–53

Multiple mechanisms of B cell immunoregulation in man after administration of in vivo corticosteroids. Cupps TR, et al. **J Immunol** 1984 Jan;132(1):170–5

Immunoglobulin production by human peripheral lymphocytes induced by anti-C3 receptor antibodies. Daha MR, et al. **J Immunol** 1984 Mar;132(3):1197–1201

Cellular origins and target cells of immunoregulatory factors in mice with disseminated histoplasmosis. Deepe GS Jr, et al. **J Immunol** 1984 Apr;132(4):2064–71

Suppression of pokeweed mitogen-stimulated immunoglobulin production in patients with rheumatoid arthritis after treatment with total lymphoid irradiation. Kotzin BL, et al. **J Immunol** 1984 Feb;132(2):1049–55

Degenerate antibodies [letter] Liacopoulos P, et al. **J Immunol** 1984 Apr;132(4):2143

T cell regulation of polyclonally induced immunoglobulin secretion in humans. Rosenkoetter M, et al. **J Immunol** 1984 Apr;132(4):1779–83

Anti-idiotype stimulation of antigen-specific antigen-independent antibody responses in vitro. II. Triggering of B lymphocytes by idiotype plus anti-idiotype in the absence of T lymphocytes. Shenk RR, et al. **J Immunol** 1984 Jun;132(6):2709–14

B cell maturati:n factor: effects on various cell populations. Sidman CL, et al. **J Immunol** 1984 Feb;132(2):845–50

Characteristics of amplifier T cells involved in the antibody response to the capsular polysaccharide of type III Streptococcus pneumoniae. Taylor CE, et al. **J Immunol** 1984 Jun;132(6):3103–8

Modulation of human B cell immunoglobulin secretion by the C3b component of complement. Tsokos GC, et al. **J Immunol** 1984 Feb;132(2):622–6

Distinct role of neonatal and adult monocytes in the regulation of the in vitro antigen-induced plaque-forming cell response in man. van Tol MJ, et al. **J Immunol** 1984 Oct;133(4):1902–8

Influence of lymphokines on the anti-TNP-Ficoll response of normal and X-linked B lymphocyte-defective mice. Xue B, et al. **J Immunol** 1983 Oct;131(4):1698–701

Antigen-stimulated human B cell clones are committed to the productior of a single class of antibody in vitro. Yarchoan R, et al. **J Immunol** 1984 Jun;132(6):2696–9

Regulation of IgM and IgD synthesis in B lymphocytes. I. Changes in biosynthesis of mRNA for mu- and delta-chains. Yuan D, et al. **J Immunol** 1984 Mar; 132(3):1561–5

Inhibition of plaque-forming cells with anti-idiotope or hapten: variation due to hapten density on indicator red cells. Cronkhite R, et al. **J Immunol Methods** 1984 Mar 30;68(1–2):109–18

Production of antibody by human B cells under serum-free conditions. Farrant J, et al. **J Immunol Methods** 1984 Mar 30;68(1–2):25–34

Improvements to the plaque assay for antibody secreting cells. Kissinger R, et al. **J Immunol Methods** 1984 Feb 10; 66(2):377–82

Enumeration of rat allospecific antibody-producing cells by a solid-phase antibody-forming cell focus (AFCF) assay. Majoor GD. **J Immunol Methods** 1984 Jun 8;71(1):37–42

Specific antibody synthesis in vitro. I. Technical considerations. Moore AL, et al. **J Immunol Methods** 1984 May 11;70(1):13–21

Formation of antigen specific foci as a complement independent assay for individual antibody-secreting cells. Moore J, et al. **J Immunol Methods** 1983 Oct 28; 63(3):377–84

Addition of polyethylene glycol 6000 improves the sensitivity of the protein A plaque assay for detection of human immunoglobulin secreting cells. Trienekens PH, et al. **J Immunol Methods** 1984 Feb 10;66(2):341–7

Density separation of spleen cells increases fusion frequency and yield of Ig-producing hybridomas. Van Mourik P, et al. **J Immunol Methods** 1984 Mar 30;68(1–2):45–53

Prenatal and neonatal synthesis of IgE. Delespesse G, et al. **Monogr Allergy** 1983;18:83–95 (44 ref.)

Activation and immunoregulation of human B lymphocyte function: implications in normal and disease states. Fauci AS. **Monogr Allergy** 1983;18:96–105 (15 ref.)

In vitro IgE synthesis in patients with atopic eczema. Ring J, et al. **Monogr Allergy** 1983;18:242–5

In vitro plaque-forming cell responses induced by Streptococcus pneumoniae in humans. Beckmann E, et al. **Scand J Immunol** 1984 Jan;19(1):1–10

Genetic control of the murine IgM plaque-forming cell response to type III pneumococcal polysaccharide. Pasanen VJ, et al. **Scand J Immunol** 1984 Feb;19(2):123–7

In vitro immunoglobulin production by peripheral blood mononuclear cells from multiple myeloma patients and patients with benign monoclonal gammopathy. Regulation by cell subsets. Peest D, et al. **Scand J Immunol** 1984 Feb; 19(2):149–57

Plaque-forming cells in man. III. Generation of plaque-forming cells in allogeneic in vitro cultures of HLA-D/DR-incompatible B and T lymphocytes. Tauris P, et al. **Scand J Immunol** 1984 May;19(5):419–24

Plaque-forming cells in man. II. Evidence of the existence of active suppressor cells in peripheral blood of normal plaque-forming cell non-responders. Tauris P. **Scand J Immunol** 1983 Sep;18(3):249–53

Plaque-forming cells in man. I. Basic technical results obtained with the protein A technique. Tauris P. **Scand J Immunol** 1983 Sep;18(3):241–8

The specification of the immune response revisited. Danchin A. **Surv Immunol Res** 1982;1(2):173–83 (35 ref.)

Migration of specific antibody-forming cells during the secondary immune response against horseradish peroxidase. Geldof AA, et al. **Virchows Arch [Cell Pathol]** 1984; 45(2):107–12

[Correlation between immunoglobulin-secreting cells and secretory immunoglobulins in the small intestine in chronic intestinal diseases] Nikolov NP, et al. **Vutr Boles** 1984; 23(1):29–34 (Eng. Abstr.) **(Bul)**

[Induction of antibody biosynthesis in rat spleen cells by murine immunogenic RNA] Sikorska EJ. **Med Dosw Mikrobiol** 1983;35(3–4):277–84 (Eng. Abstr.) **(Pol)**

[Immunoregulating factors of the serum in toxic hepatitis] Prokopenko LG, et al. **Patol Fiziol Eksp Ter** 1983 Jul–Aug; (4):56–60 (Eng. Abstr.) **(Rus)**

[Antigen-specific humoral factor of the lymph nodes stimulating the activity of 'silent' antibody-forming cells] Novikov VI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Jan;(1):68–71 (Eng. Abstr.) **(Rus)**

METABOLISM

Growth and oxygen requirements of antibody producing mouse hybridoma cells in suspension culture. Boraston R, et al. **Dev Biol Stand** 1983;55:103–11

Involvement of the transferrin receptor in the production and NK-induced suppression of human antibody synthesis. Brieva JA, et al. **J Immunol** 1984 Sep;133(3):1288–92

Human IgE synthesis in vitro by pokeweed mitogen-stimulated human lymphoid cells: verification with a reconfirmed epsilon-specific radioimmunoassay. Chen PP, et al. **J Immunol** 1984 Oct;133(4):1909–13

Phorbol esters inhibit murine B cell differentiation to immunoglobulin secretion but not proliferation. Isakson PC, et al. **J Immunol** 1984 Oct;133(4):1788–91

Heterologous antibody responses in mice with chronic T. cruzi infection: depressed T helper function restored with supernatants containing interleukin 2. Reed SG, et al. **J Immunol** 1984 Sep;133(3):1558–63

Immunoglobulin synthesis after HLA-identical marrow grafting. V. The role of peripheral blood monocytes in the regulation of in vitro immunoglobulin secretion stimulated by pokeweed mitogen. Shiobara S, et al. **J Immunol** 1984 Jun;132(6):2850–6

Suppression of IgE synthesis in mouse plasma cells and B cells by rat IgE-suppressive factor. Uede T, et al. **J Immunol** 1984 Aug;133(2):803–8

Reverse enzyme-linked immunospot assay (RELISPOT) for the detection of cells secreting immunoreactive substances. Czerkinsky CC, et al. **J Immunol Methods** 1984 Sep 4; 72(2):489–96

Establishment of human monoclonal anti-DNA antibody producing cell lines. Sasaki T, et al. **J Immunol Methods** 1984 Aug 3;72(1):157–65

Solid-phase enzyme-linked immunospot (ELISPOT) assay for enumeration of IgG rheumatoid factor-secreting cells. Tarkowski A, et al. **J Immunol Methods** 1984 Sep 4; 72(2):451–9

PATHOLOGY

[Study of mucosal immunoglobulin-producing cells in chronic gastritis by immunocytochemical methods] Zhang ZB. **Chung Hua Nei Ko Tsa Chih** 1983 Jun;22(6):363–5 (Eng. Abstr.) **(Chi)**

[Humoral immunologic reaction after trauma of various severities] Aleksandrov VN. **Patol Fiziol Eksp Ter** 1983 Jul–Aug;(4):70–3 (Eng. Abstr.) **(Rus)**

TRANSPLANTATION

Sensitized (T6 X RFM)F1 donor B cells are engrafted and synthesize antibodies without further antigenic stimulation in RFM recipients with allogenic host-vs-graft disease. Hard RC Jr, et al. **J Immunol** 1983 Dec;131(6):2623–9

ANTIBODY SPECIFICITY

Standardization of the immunofluorescence test for autoantibody to nuclear antigens (ANA): use of reference sera of defined antibody specificity. Molden DP, et al. **Am J Clin Pathol** 1984 Jul;82(1):57–66

Cross-reactivity of eluted antibodies from renal tissues of patients with henoch–Schönlein purpura nephritis and IgA nephropathy. Tomino Y, et al. **Am J Nephrol** 1983 Nov–Dec;3(6):315–8

Monoclonal antibodies with different specificities against cytokeratins. An immunohistochemical study of normal tissues and tumors. van Muijen GN, et al. **Am J Pathol** 1984 Jan;114(1):9–17

Specificities of antibodies boosted by acute Plasmodium falciparum infection in man. Brown GV, et al. **Am J Trop Med Hyg** 1983 Nov;32(6):1221–8

Specific IgE antibodies to Leishmania braziliensis in patients with mucocutaneous leishmaniasis. Afchain D, et al. **Ann Immunol (Paris)** 1983 May–Jun;134C(3):311–9

Interrelationships among distinct idiotypic specificities. Ju ST, et al. **Ann Immunol (Paris)** 1984 Jan–Feb;135C(1):63–8

The importance of tissue substrate in the SS-A/Ro antigen–antibody system. Harmon CE, et al. **Arthritis Rheum** 1984 Feb;27(2):166–73

Specificity analysis of monoclonal anti-DNA antibodies from B6-lpr/lpr mice. Warren RW, et al. **Arthritis Rheum** 1984 May;27(5):545–51

An examination of differences in serum antibody specificities and hypersensitivity reactions as contributing factors to chronic infection with the intestinal protozoan parasite, Giardia muris, in mice. Erlich JH, et al. **Aust J Exp Biol Med Sci** 1983 Oct;61 (Pt 5):599–615

Specificity of murine monoclonal antibodies induced by a choriocarcinoma cell-line (BEWO). Katoh T, et al. **Behring Inst Mitt** 1984 May;(74):49–54

Specific in vitro anti-mannan antibody production by human blood lymphocytes. Durandy A, et al. **Birth Defects** 1983; 19(3):41–5

Differential binding of antibodies against the neurofilament triplet proteins in different avian neurons. Bennett GS, et al. **Brain Res** 1984 Jun 25;304(2):291–302

Isomeric, anti-rhamnose antibodies having specificity for rhamnose-containing, streptococcal heteroglycans. Pazur JH, et al. **Carbohydr Res** 1983 Dec 23;124(2):253–63

Specificity considerations in cooperative immunoassays. Ehrlich PH, et al. **Clin Chem** 1984 Sep;30(9):1523–32

Studies on the specificity of anti-erythrocyte antibodies in the serum of patients with malaria. Berzins K, et al. **Clin Exp Immunol** 1983 Nov;54(2):313–8

Specificity of anti-type II collagen antibody response in rats. Kakimoto K, et al. **Clin Exp Immunol** 1984 Jul;57(1):57–62

Specificity of mouse hybridoma antibodies to DNA. II. Phospholipid reactivity and biological false positive serological test for syphilis. Koike T, et al. **Clin Exp Immunol** 1984 Aug;57(2):345–50

A monoclonal antibody with specificity for Trypanosoma cruzi, central and peripheral neurones and glia. Snary D, et al. **Clin Exp Immunol** 1983 Dec;54(3):617–24

Computer methodology for simulation and prediction of alloimmune responses: expected antibody specificities. Altarriba J, et al. **Comput Biol Med** 1983;13(4):265–70

Production and specificity of monoclonal antibodies to retinal S antigen. Faure JP, et al. **Curr Eye Res** 1984 Jun; 3(6):867–72

Monoclonal antibodies to HBsAg: a study of their specificities for eight different HBsAg subtypes. Courouce AM, et al. **Dev Biol Stand** 1983;54:527–34

Specificity of antibodies elicited by a synthetic peptide having a sequence in common with a fragment of a virus protein—the hepatitis B surface antigen. Neurath AR, et al. **Dev Biol Stand** 1983;54:103–12

Use of specific antibody for rapid clearance of circulating blood background from radiolabeled tumor imaging proteins. Goodwin D, et al. **Eur J Nucl Med** 1984; 9(5):209–15

Antibodies from patients with liver diseases and from normal human or animal sera against glutaraldehyde-polymerized albumins: lack of species specificity. Călugăru A, et al. **Experientia** 1983 Oct 15;39(10):1139–41

Basis for the specificity of anti-5-HT-like antisera in immunocytochemistry applied to the central nervous system. Peressini S, et al. **Histochemistry** 1984; 80(6):597–601

Testing of monoclonal antibody specificity. Wright JF, et al. **Hybridoma** 1983;2(3):351–3

Antibodies with preselected specificities to protein regions evoked by immunization with free synthetic peptides: dose response to myoglobin antigenic sites reveal an optimum dose for each antigenic site. Young CR, et al. **Immunol Commun** 1983;12(4):419–28

Natural antibodies in man to Streptococcus mutans: specificity and quantification. Challacombe SJ, et al. **Immunology** 1984 May;52(1):143–50

Application of immuno-blotting to the differentiation of specific antibodies in gonorrhoea. Hadfield SG, et al. **Immunology** 1984 Mar;51(3):615–21

Crossed immunoelectrophoretic analysis of anti-Salmonella typhi antibodies in sera of typhoid patients and carriers: demonstration of the presence of typhoid-specific antibodies to a non-O, non-H, non-Vi antigen. Chau PY, et al. **Infect Immun** 1984 Mar;43(3):1110–3

Immunological studies on plant DNA-dependent RNA polymerases with antibodies raised against individual subunits. Guilfoyle TJ, et al. **J Biol Chem** 1984 Jan 10; 259(1):640–8

Monoclonal antibodies specific for O-antigenic polysaccharides of Shigella flexneri: clones binding to II, II:3,4, and 7,8 epitopes. Carlin NI, et al. **J Clin Microbiol** 1983 Nov;18(5):1183–9

Multiple functional sites on a single Ia molecule defined using T cell clones and antibodies with chain-determined specificity. Frelinger JG, et al. **J Exp Med** 1984 Mar 1; 159(3):704–15

Studies on the syngeneic mixed lymphocyte reaction. III. Development of a monoclonal antibody with specificity for autoreactive T cells. Hausman PB, et al. **J Exp Med** 1983 Oct 1;158(4):1307–18

Rheumatoid factors in 129XB recombinant inbred strains. Igh-1-linked control of allotypic and isotypic specificities. Van Snick J, et al. **J Exp Med** 1984 Feb 1;159(2):355–64

Subpopulations of antibodies to phosphocholine in human serum. Brown M, et al. **J Immunol** 1984 Mar;132(3):1323–8

IgE class-specific suppressor T cells and factors in humans. Deguchi H, et al. **J Immunol** 1983 Dec;131(6):2751–6

Dissociation of autologous and allogeneic mixed lymphocyte reactivity by using a monoclonal antibody specific for human T helper cells. Ellis TM, et al. **J Immunol** 1983 Nov;131(5):2323–7

Monoclonal antibodies to carcinoembryonic antigen: a systematic analysis of antibody specificities by using related normal antigens and evidence for allotypic determinants on carcinoembryonic antigen. Kuroki M, et al. **J Immunol** 1984 Oct;133(4):2090–7

Genetics of resistance to the African trypanosomes. III. Variant-specific antibody responses of H-2-compatible resistant and susceptible mice. Levine RF, et al. **J Immunol** 1984 Sep;133(3):1564–9

Degenerate antibodies [letter] Liacopoulos P, et al. **J Immunol** 1984 Apr;132(4):2143

The murine IL 2 receptor. II. Monoclonal anti-IL 2 receptor antibodies as specific inhibitors of T cell function in vitro. Malek TR, et al. **J Immunol** 1984 Oct;133(4):1976–82

Heterogeneity of the human phosphocholine-specific B cell repertoire. Stein LD, et al. **J Immunol** 1984 Mar; 132(3):1329–35

Further evidence against random polyclonal antibody formation in mice with lupus-like graft-vs-host disease. van Rappard-Van der Veen FM, et al. **J Immunol** 1984 Apr;132(4):1814–20

Immunohistological screening in the selection of monoclonal antibodies: the use of isotype-specific antiglobulins. Aqel NM, et al. **J Immunol Methods** 1984 Apr 27;69(2):207–14

The separation of human serum IgG into subclass fractions by immunoaffinity chromatography and assessment of specific antibody activity. Bird P, et al. **J Immunol Methods** 1984 Jun 8;71(1):97–105

Generation, characterization and ELISA of monospecific antibodies against the subunits of a Ca2+-dependent protein kinase and a Ca2+-transport ATPase from rabbit skeletal muscle. Böhm H, et al. **J Immunol Methods** 1984 May 25;70(2):193–209

Reduction of non-specific human IgM binding in solid-phase assays. Emmrich F. **J Immunol Methods** 1984 Sep 4; 72(2):501–3

Enzyme immunoassay with high sensitivity and accuracy for specific antibody to neocarzinostatin. Kitagawa T, et al. **J Immunol Methods** 1984 Aug 3;72(1):297–303

Double immunofluorescence staining of pokeweed mitogen differentiated plasma cells—a sensitive assay to ascertain purity of anti-human Ig reagents as each cell produces only one isotype. Lobo PI. **J Immunol Methods** 1983 Dec 30; 65(3):383–7

Relation between avidity and specificity of monoclonal anti-chlamydial antibodies in culture supernatants and ascitic fluids determined by enzyme immunoassay. Matikainen MT, et al. **J Immunol Methods** 1984 Sep 4; 72(2):341–7

A rapid and highly sensitive solid-phase enzyme immunoassay specific for human fibronectin using a characterized monoclonal antibody. Salonen EM, et al. **J Immunol Methods** 1984 Aug 3;72(1):145–56

Assay for the specificity of monoclonal antibodies in crossed immunoelectrophoresis. Skjødt K, et al. **J Immunol Methods** 1984 Aug 3;72(1):243–9

Comparison of sensitivities of ELISA and radioimmunoassay for detection of class-specific antibody in mouse serum. Taylor FG, et al. **J Immunol Methods** 1983 Dec 16; 65(1–2):65–73

Cascade immunization: a method of obtaining polyspecific antisera against crude fractions of antigens. Thalhamer J, et al. **J Immunol Methods** 1984 Feb 10;66(2):245–51

Serological specificity of the liposome lysis test for measurement of anti-ganglioside antibodies. A comparison with hemagglutination inhibition. Zemmour J, et al. **J Immunol Methods** 1984 Feb 10;66(2):331–40

Class-specific antibody response to Haemophilus influenzae type b capsular polysaccharide vaccine. Käyhty H, et al. **J Infect Dis** 1983 Oct;148(4):767

Estimation of the protective level of human IgG antibody to the type-specific polysaccharide of group B Streptococcus type Ia. Klegerman ME, et al. **J Infect Dis** 1983 Oct;148(4):648–55

Syngeneic monoclonal antibodies against melanoma antigens with species specificity and interspecies cross-reactivity. Wakabayashi S, et al. **J Invest Dermatol** 1984 Aug; 83(2):128–33

Regenerative capacity of the goldfish visual system is affected by antibodies specific to gangliosides injected intraocularly. Spirman N, et al. **J Neuroimmunol** 1984 Jun;6(3):197–207

Characterization of three restricted specificity monoclonal antibodies raised against the human glioma cell line D-54 MG. Wikstrand CJ, et al. **J Neuroimmunol** 1984 Jun; 6(3):169–86

Improvement of specificity of anti-testosterone (T) and anti-5 alpha-dihydrotestosterone (DHT) rabbit antibodies by immunotolerance techniques. Dupret J, et al. **J Steroid Biochem** 1984 Jan;20(1):479–85

Monoclonal antibodies specific for the M- and N-forms of human glycophorin A. Bigbee WL, et al. **Mol Immunol** 1983 Dec;20(12):1353–62

Specificity of a monoclonal antibody for the NH2-terminal region of fibrin. Kudryk B, et al. **Mol Immunol** 1984 Jan; 21(1):89–94

The antibody response to a single antigenic determinant of the tobacco mosaic virus protein: analysis using monoclonal antibodies, mutant proteins and synthetic peptides. Morrow PR, et al. **Mol Immunol** 1984 Apr;21(4):301–9

Regulation of human IgE response by IgE class-specific suppressor T cells or suppressor factor(s). Kishimoto T, et al. **Monogr Allergy** 1983;18:75–82

Immunochemical and immunohistochemical studies on the specificity of a monoclonal antibody to choline acetyltransferase of rat brain. Ishida I, et al. **Neurosci Lett** 1983 Dec 11;42(3):267–71

Modified pharmacokinetics of I-asparaginase from E coli by formation of specific antibodies to I-Asparaginase of different immunoglobulin classes in children with acute lymphocytic leukemia. Wahn V, et al. **Pediatr Pharmacol (New York)** 1983;3(3–4):303–11

Fine-specificity of the lambda and chi L chains associated with antibodies directed to alpha (1 leads to 3) glucosyls in dextran. Bell CG. **Scand J Immunol** 1983 Dec; 18(6):473–84

The specification of the immune response revisited. Danchin A. **Surv Immunol Res** 1982;1(2):173–83 (35 ref.)

Strange connections in the unspecific parallel set. Lewis GK, et al. **Surv Immunol Res** 1982;1(3):262–7 (16 ref.)

Trypanosoma vivax and the action of cotton-rat serum [letter] Cover B. **Trans R Soc Trop Med Hyg** 1984; 78(1):140–1

Genetic analysis of reactivities of allospecific monoclonal antibodies to rat histocompatibility antigens. Fuks A, et al. **Transplantation** 1983 Nov;36(5):568–71

Specificity of transplantation heterophile antibodies. Tamura T, et al. **Transplantation** 1984 May;37(5):475–8

Characterization of human p53 antigens employing primate specific monoclonal antibodies. Thomas R, et al. **Virology** 1983 Dec;131(2):502–17

Mouse monoclonal antibodies with anti-A, anti-B and anti-A,B specificities; some superior to human polyclonal ABO reagents. Messeter L, et al. **Vox Sang** 1984; 46(4):185–94

Fetal immunization against the mother's lymphocytes. A report of two cases. Werneburg B, et al. **Vox Sang** 1984; 46(2):107–10

[Specific and nonspecific humoral response to vaccination with the anti-rabies vaccination agents Rabivac and Vnukovo-32] Wiedermannová D, et al. **Cas Lek Cesk** 1983 Aug 19;122(32-33):980-3 (Eng. Abstr.) (Cze)

[A new specificity for anti-DNA antibodies] Jacob L, et al. **C R Seances Acad Sci [III]** 1984;298(17):481-2 (Eng. Abstr.) (Fre)

[Anti-HAV-specific immunoglobulins] Maniez-Montreuil M, et al. **Rev Fr Transfus Immunohematol** 1983 Nov; 26(5):531-8 (Eng. Abstr.) (Fre)

[The problem of determining Treponema-specific IgM-antibodies with the TPHA test in primary syphilis] Müller F, et al. **Hautarzt** 1983 Sep;34(9):448-52 (Eng. Abstr.) (Ger)

[Immunization of donors for the isolation of antirhesus anti-Rho[D] monospecific sera] Klimova KN, et al. **Gematol Transfuziol** 1984 Feb;29(2):58-60 (Rus)

[Combined antiviral effect of synthetic polyribonucleotide interferonogens and specific antiviral antibodies in arbovirus infections] Vil'ner LM, et al. **Vopr Virusol** 1984 May-Jun;29(3):334-7 (Eng. Abstr.) (Rus)

[Use of an immunoenzyme method for detecting specific antibodies to Pseudomonas aeruginosa in patients with acute and chronic lung diseases] Dubelkovskaia ZA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Aug;(8):53-7 (Eng. Abstr.) (Rus)

DRUG EFFECTS

[Effect of a bone marrow stimulator of antibody producers on virus-specific antibody formation in animals infected with flaviviruses] Petrov RV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Nov;(11):67-71 (Eng. Abstr.) (Rus)

ANTICESTODAL AGENTS

THERAPEUTIC USE

Nitazoxanide in the treatment of Taenia saginata and Hymenolepis nana infections. Rossignol JF, et al. **Am J Trop Med Hyg** 1984 May;33(3):511-2

Susceptibility, chemotherapeutic reaction & immunological response of rat & mouse to Hymenolepis nana—a comparative study. Katiyar JC, et al. **Indian J Exp Biol** 1983 Jul;21(7):371-4

Albendazole for hydatid cysts [letter] Dickson B. **Lancet** 1984 Jan 7;1(8367):57

Albendazole [letter] Puntis MC, et al. **Lancet** 1983 Nov 26; 2(8361):1255-6

ANTICHOLESTEREMIC AGENTS

METABOLISM

Hypocholesterolemic effect of dietary soy protein versus casein in rhesus monkeys (Macaca mulatta). Terpstra AH, et al. **Am J Clin Nutr** 1984 Jan;39(1):1-7

The modulating effect of an inhibitor of cholesterolgenesis present in bovine milk upon the synthesis of cholesterol, dolichol and ubiquinone. Dull BJ, et al. **Atherosclerosis** 1983 Dec;49(3):231-9

PHARMACODYNAMICS

Comparison of clofibrate and ethyl-5-(p-chlorophenoxy)-3-hydroxy-3-methylpentanoa induced changes in serum lipoprotein cholesterol and hepatic peroxisome proliferation in the normal rat. Stevens TJ, et al. **Artery** 1983;12(2):81-94

Some comparative effects of gemfibrozil, clofibrate, bezafibrate, cholestyramine and compactin on sterol metabolism in rats. Maxwell RE, et al. **Atherosclerosis** 1983 Sep;48(3):195-203

Inhibition of cholesterol synthesis by mevinolin stimulates low density lipoprotein receptor activity in human monocyte-derived macrophages. Traber MG, et al. **Atherosclerosis** 1984 Jul;52(1):1-11

Hypocholesterolaemic effect of fenugreek seeds in dogs. Valette G, et al. **Atherosclerosis** 1984 Jan;50(1):105-11

Effects of 3 beta-[2-(diethylamino)ethoxy]androst-5-en-17-one on the synthesis of cholesterol and ubiquinone in rat intestinal epithelial cell cultures. Sexton RC, et al. **Biochemistry** 1983 Dec 6;22(25):5687-92

Regulation of hepatic receptor-dependent degradation of LDL by mevinolin in rabbits with hypercholesterolemia induced by a wheat starch-casein diet. Chao YS, et al. **Biochim Biophys Acta** 1983 Nov 29;754(2):134-41

Effect of ML-236B (compactin) on biliary excretion of bile salts and lipids, and on bile flow, in the rat. Kempen HJ, et al. **Biochim Biophys Acta** 1984 Jul 26;794(3):435-43

Compactin (ML-236B) reduces the content of filipin-cholesterol complexes in the plasma membrane of chronic lymphocytic leukemia cells. Madden EA, et al. **Exp Cell Res** 1984 Jul;153(1):91-8

Evidence for post-translational incorporation of a product of mevalonic acid into Swiss 3T3 cell proteins. Schmidt RA, et al. **J Biol Chem** 1984 Aug 25;259(16):10175-80

Biliary proteins. Unique inhibitors of cholesterol crystal nucleation in human gallbladder bile. Holzbach RT, et al. **J Clin Invest** 1984 Jan;73(1):35-45

Influence of DL-2-phenyl [6-ethoxybenzothiazolyl-(2)-thio] propionic acid (EMD 34853) on gallstone formation in hamsters. Kritchevsky D, et al. **Pharmacol Res Commun** 1984 Feb;16(2):111-5

Influence of hypocholesterolemic drugs on aortic cholesterol esterase in rabbits. Kritchevsky D, et al. **Pharmacol Res Commun** 1984 Jun;16(6):525-31

Hydroxymethylglutaryl-coenzyme A reductase-containing hepatocytes are distributed periportally in normal and mevinolin-treated rat livers. Singer II, et al. **Proc Natl Acad Sci USA** 1984 Sep;81(17):5556-60

Propionate may mediate the hypocholesterolemic effects of certain soluble plant fibers in cholesterol-fed rats. Chen WJ, et al. **Proc Soc Exp Biol Med** 1984 Feb;175(2):215-8

[Pharmacology of probucol. I] Donatelli L. **Clin Ter** 1984 Mar 15;108(5):367-88 (0 ref.) (Ita)

THERAPEUTIC USE

Hypercholesterolemia persisting after distal ileal bypass: response to mevinolin. Illingworth DR, et al. **Ann Intern Med** 1984 Jun;100(6):850-1

Evolution and funding of the Coronary Drug Project. Zukel WJ. **Controlled Clin Trials** 1983 Dec;4(4):281-312

Blocking 3-hydroxy-3-methylglutaryl coenzyme A reductase with ML-236B enhances the plasma cortisol response to adrenocorticotropin in patients with hypercholesterolemia. Yamaguchi K, et al. **J Clin Endocrinol Metab** 1984 May;58(5):786-9

[Effect of Moristerol (anti-cholesterolemic agent) on benign prostatic hypertrophy] Tajima A, et al. **Hinyokika Kiyo** 1983 Mar;29(3):365-9 (Eng. Abstr.) (Jpn)

ANTICHOLINERGIC AGENTS see PARASYMPATHOLYTICS

ANTICHOLINESTERASE AGENTS see CHOLINESTERASE INHIBITORS

ANTICOAGULANTS

Anticoagulants, platelets, and instrument problems [letter] Rabinovitch A. **Am J Clin Pathol** 1984 Jul;82(1):132-3

Antiplatelet drugs and thrombosis prevention: ticlopidine in perspective. de Gaetano G, et al. **Arq Bras Cardiol** 1983 Dec;41(6):425-7

Anticoagulant activities of heparin oligosaccharides and their neutralization by platelet factor 4. Lane DA, et al. **Biochem J** 1984 Mar 15;218(3):725-32

Anticoagulantly active heparin-like molecules from vascular tissue. Marcum JA, et al. **Biochemistry** 1984 Apr 10; 23(8):1730-7

Anticoagulant proteases from western diamondback rattlesnake (Crotalus atrox) venom. Pandya BV, et al. **Biochemistry** 1984 Jan 31;23(3):460-70

Interactions of human platelets with insoluble anticoagulant modified polystyrene resins. Fougnot C, et al. **Biomaterials** 1984 May;5(3):169-74

Effect of atenolol and metoprolol on the anticoagulant activity of acenocoumarin. Mantero F, et al. **Br J Clin Pharmacol** 1984;17 Suppl 1:94S-96S

Inhibition of delayed-type hypersensitivity by heparin depleted of anticoagulant activity. Sy MS, et al. **Cell Immunol** 1983 Nov;82(1):23-32

The effect of storage in different anticoagulants on platelet associated IgG. Hegde UM, et al. **Clin Lab Haematol** 1984; 6(1):51-9

Effect of oxaprozin on the steady-state anticoagulant activity of warfarin. Davis LJ, et al. **Clin Pharm** 1984 May-Jun; 3(3):295-7

Anticoagulant properties of heparin preparations from different animal sources with equivalent high affinity for antithrombin III. Nagasawa K, et al. **J Biochem (Tokyo)** 1984 Mar;95(3):619-26

Natural anticoagulant mechanisms. Rosenberg RD, et al. **J Clin Invest** 1984 Jul;74(1):1-6 (68 ref.)

Coagulant and anticoagulant actions of Australian snake venoms. Marshall LR, et al. **Thromb Haemost** 1983 Oct 31;50(3):707-11

Anticoagulant effect of cardiotoxins. Boffa MC, et al. **Thromb Res** 1983 Dec 15;32(6):635-40

A new prostacyclin analogue - an anticoagulant applicable to hemodialysis. Ota K, et al. **Trans Am Soc Artif Intern Organs** 1983;29:419-24

Regional citrate anticoagulation in chronic hemodialysis patients. Seaton RD, et al. **Trans Am Soc Artif Intern Organs** 1983;29:414-8

[Use of intravenous dipyridamole as the only antithrombotic agent in the hemodialysis of acute renal failure with a high risk of hemorrhage] Page Y, et al. **Agressologie** 1983 Dec; 24(12):601-3 (Eng. Abstr.) (Fre)

ADMINISTRATION & DOSAGE

Comparison of physician and pharmacist management of anticoagulant therapy of inpatients. Chenella FC, et al. **Am J Hosp Pharm** 1983 Oct;40(10):1642-5

Standardisation of oral anticoagulant treatment [letter] Nour-Eldin F. **Br Med J [Clin Res]** 1983 Oct 29; 287(6401):1304-5

Standardisation of oral anticoagulant treatment [editorial] Shinton NK. **Br Med J [Clin Res]** 1983 Oct 8; 287(6398):1000-1

The effects of antithrombotic drugs in patients with left ventricular thrombi: assessment with indium-111 platelet imaging and two-dimensional echocardiography. Stratton JR, et al. **Circulation** 1984 Mar;69(3):561-8

Indications for oral anticoagulant treatment. Gallus AS. **Drugs** 1983 Dec;26(6):543-9

Early thrombosis of an aortic St. Jude valve in spite of effective anticoagulant treatment. Turinetto B, et al. **J Cardiovasc Surg (Torino)** 1984 Mar-Apr;25(2):182-4

Newer avenues in the monitoring of antithrombotic therapy: the role of automation. Walenga JM, et al. **Semin Thromb Hemost** 1983 Oct;9(4):346-54

[New study on the secondary prevention of myocardial infarct using oral anticoagulants] de Jonge FA, et al. **Ned Tijdschr Geneeskd** 1983 Jul 30;127(31):1391-4 (Eng. Abstr.) (Dut)

[Lifelong anticoagulant treatment following heart infarct on appeal] van der Meer J. **Ned Tijdschr Geneeskd** 1983 Jul 30;127(31):1400-1 (Dut)

[Thromboembolic complications during total hip replacement arthroplasty (240 cases)] Pidhorz L, et al. **Agressologie** 1983 Nov;24(10):519-21 (Eng. Abstr.) (Fre)

[Use of prostaglandin PGE1 (alprostadil) in hemodialysis (letter)] Bui-Quang D, et al. **Nephrologie** 1984;5(1):40 (Fre)

[Standardization problems in the monitoring of oral anticoagulants by Quick's thromboplastin time: an attempt to determine the state of the problem in Switzerland] Marti P, et al. **Schweiz Med Wochenschr** 1983 Oct 29; 113(43):1593-7 (Eng. Abstr.) (Ger)

[Anticoagulant properties of the electrophoresis of pyrazolone preparations in ischemic heart disease] Dizhenina II. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 May-Jun;(3):47-50 (Rus)

[Rehabilitation treatment of stroke by endonasal electrophoresis of acetylsalicylic acid and aminalone] Mamiev AK, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 May-Jun; (3):50-1 (Rus)

[Comparative characteristics of the effectiveness of antiaggregant and anticoagulation therapy of ischemic stroke] Gorbacheva FE, et al. **Zh Nevropatol Psikhiatr** 1983;83(8):1147-9 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

Evidence for the continued existence of the postmyocardial infarction (Dressler's) syndrome. Northcote RJ, et al. **Am J Cardiol** 1984 Apr 1;53(8):1201-2

Trauma and oral anticoagulants. O'Mara K, et al. **Ann Emerg Med** 1983 Nov;12(11):700-3

Spontaneous mediastinal hemorrhage [letter] Mazziotti A. **Arch Intern Med** 1983 Dec;143(12):2333

Lower extremity hemorrhage in spinal cord injured patients receiving therapeutic anticoagulation. Chen YT, et al. **Arch Phys Med Rehabil** 1984 May;65(5):263-6

Drug interactions complicate antiplatelet therapy [letter] Ahmad S. **Geriatrics** 1984 May;39(5):137

Ticlopidine can cause chronic diarrhoea [letter] Giardina MG, et al. **Lancet** 1984 Feb 18;1(8373):407

Intracranial fluid-blood levels in the anticoagulated patient. Livoni JP, et al. **Neuroradiology** 1983;25(5):335-7

Centrifugal and anticoagulant induced variations in platelet rich plasma and their influence on platelet aggregation. Healy DT, et al. **Scand J Haematol** 1984 May;32(5):452-6

Anticoagulation in prosthetic valve endocarditis. Carpenter JL, et al. **South Med J** 1983 Nov;76(11):1372-5

Immediate anticoagulation of embolic stroke: brain hemorrhage and management options. Cerebral Embolism Study Group. **Stroke** 1984 Sep-Oct;15(5):779-89

Successful progressive anticoagulation in a severe protein C deficiency and previous skin necrosis at the initiation of oral anticoagulant treatment [letter] Samama M, et al. **Thromb Haemost** 1984 Feb 28;51(1):132-3

[The adult intensive care physician and antivitamin K agents] Auzépy P, et al. **Agressologie** 1983 Nov;24(11):549-54 (40 ref.) (Eng. Abstr.) (Fre)

[Intramural hematoma of the digestive tract from vitamin K antagonists] Costecalde M, et al. **Ann Chir** 1984 Feb; 38(1):31-6 (Eng. Abstr.) (Fre)

[16 hematomas of the iliac psoas muscle caused by anticoagulants. Anatomical lesions, clinical and therapeutic deductions] Guivarc'h M, et al. **Chirurgie** 1983;109(8):640-9 (Eng. Abstr.) (Fre)

[Digestive hemorrhage under anticoagulant treatment. Retrospective analysis of a series of 178 consecutive cases] Chaussade S, et al. **Gastroenterol Clin Biol** 1984 Feb; 8(2):152-6 (Eng. Abstr.) (Fre)

[Sciatic paralysis during anticoagulant treatment] Benoit P, et al. **LARC Med** 1983 Nov;3(9):618-22 (Eng. Abstr.) (Fre)

[Rheumatologic complications of anticoagulants] Deshayes P, et al. **LARC Med** 1984 Jun-Jul;4(6):367-8, 373, 375-6 (Fre)

[Hematoma of Retzius's space under anticoagulant treatment (letter)] Barrier J, et al. **Presse Med** 1984 Jan 14;13(1):46 (Fre)

[Prospective evaluation of the complications of anticoagulants in an intensive care unit] Deleuze P, et al. **Rev Med Interne** 1984 Mar;5(1):83-7 (Eng. Abstr.) (Fre)

[Hematoma of the pyramidal muscle. A complication of anticoagulant treatment] Augustin P, et al. **Rev Neurol (Paris)** 1984;140(6-7):443-5 (Eng. Abstr.) (Fre)

[Diagnosis of hematomas in the Retzius space during

anticoagulant therapy. Prospective study (11 cases)] Dupas B, et al. **Sem Hop Paris** 1983 Dec 8;59(45):3115–9 (Eng. Abstr.) (Fre)

[Fatal adrenal hemorrhage during anticoagulant therapy] Wolff E, et al. **Z Arztl Fortbild (Jena)** 1983;77(24):1029–31 (Ger)

[A rare complication of anticoagulant therapy: retroperitoneal (iliopsoas) hematoma] Gruber A, et al. **Orv Hetil** 1984 Apr 15;125(16):943–5 (Eng. Abstr.) (Hun)

[Case of intramural hematoma of the small intestine caused by anticoagulants] Sato H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Jun;80(6):1336–9 (Jpn)

[Gynecologic intra-abdominal hemorrhage during anticoagulant therapy] Novosel D, et al. **Lijec Vjesn** 1983 Jul–Aug;105(7–8):301–3 (Eng. Abstr.) (Scr)

[Spontaneous retroperitoneal hemorrhage and anticoagulation (letter)] Estivill X, et al. **Med Clin (Barc)** 1984 Feb 18;82(6):281 (Spa)

[Transformation of an ischemic infarction into a hemorrhagic one by anticoagulant treatment in a patient with cerebral embolism (letter)] Matías-Guiu J, et al. **Med Clin (Barc)** 1983 Oct 29;81(13):598 (Spa)

[Hemorrhage in oral anticoagulation] Avello AG, et al. **Rev Clin Esp** 1984 Mar 31;172(6):315–8 (Eng. Abstr.) (Spa)

[Hemoperitoneum caused by rupture of the corpus luteum in women taking anticoagulants] Vázquez Echarri J, et al. **Rev Esp Enferm Apar Dig** 1982 Dec;62(6):502–5 (Eng. Abstr.) (Spa)

[Purple-toe syndrome – a side effect of peroral anticoagulant therapy] Rosling H. **Lakartidningen** 1983 Nov 30; 80(48):4700 (Swe)

[Entrapment of femoral nerve during anticoagulant therapy] von Schéele C, et al. **Lakartidningen** 1984 Feb 1;81(5):357, 359 (Swe)

ANALYSIS

Metachromatic activity of heparin and heparin fragments. Grant AC, et al. **Anal Biochem** 1984 Feb;137(1):25–32

The anticoagulant effects of the hookworm, ancylostoma ceylanicum: observations on human and dog blood in vitro and infected dogs in vivo. Carroll SM, et al. **Thromb Haemost** 1984 Apr 30;51(2):222–7

BLOOD

Elimination of high affinity heparin fractions and their anticoagulant and lipase activity. de Swart CA, et al. **Blood** 1984 Apr;63(4):836–42

Circulating anticoagulant in CREST syndrome. Albert J, et al. **Br J Rheumatol** 1984 Feb;23(1):20–3

Circulating anticoagulant against Factor XII and thrombocytopenic purpura [letter] Vilà JM, et al. **Thromb Haemost** 1984 Apr 30;51(2):291

CHEMICAL SYNTHESIS

Sulfated N-(carboxymethyl)chitosans: novel blood anticoagulants. Muzzarelli RA, et al. **Carbohydr Res** 1984 Mar 15;126(2):225–31

[Effect of S-oxidation on the anticoagulant effects of 4-hydroxycoumarins, 4-hydroxy-2-pyrones and 1,3-indanediones] Rehse K, et al. **Arch Pharm (Weinheim)** 1984 Mar;317(3):262–7 (Eng. Abstr.) (Ger)

[Anticoagulant properties of heterocyclic 1,3-diketones] Rehse K, et al. **Arch Pharm (Weinheim)** 1984 May; 317(5):385–93 (Eng. Abstr.) (Ger)

[Effect of S-oxidation on the anticoagulant action of phenprocoumon thioanalogs] Rehse K, et al. **Arch Pharm (Weinheim)** 1984 Feb;317(2):103–7 (Eng. Abstr.) (Ger)

[Effect of S-oxidation on the anticoagulant action of warfarin thioanalogs] Rehse K, et al. **Arch Pharm (Weinheim)** 1984 Feb;317(2):163–7 (Eng. Abstr.) (Ger)

[Photocyclization of anticoagulant 6-alkyl-4-hydroxy-2-pyrones] Rehse K, et al. **Arch Pharm (Weinheim)** 1983 Oct;316(10):845–9 (Eng. Abstr.) (Ger)

[Aza-aromatic anticoagulants and their N-oxides] Rehse K, et al. **Arch Pharm (Weinheim)** 1983 Dec;316(12):1030–4 (Eng. Abstr.) (Ger)

[Anticoagulant 3-aralkyl-4-hydroxy-2-pyrones] Rehse K, et al. **Arch Pharm (Weinheim)** 1983 Dec;316(12):988–94 (Eng. Abstr.) (Ger)

[Reaction products of indandione with ethyl alpha-cyano-beta-acrylates] Diurno MV, et al. **Boll Soc Ital Biol Sper** 1984 Jan 30;60(1):79–84 (Eng. Abstr.) (Ita)

ISOLATION & PURIFICATION

Microvascular heparin-like species with anticoagulant activity. Marcum JA, et al. **Am J Physiol** 1983 Nov;245(5 Pt 1):H725–33

Purification and properties of the main coagulant and anticoagulant principles of Vipera russellii snake venom. Teng CM, et al. **Biochim Biophys Acta** 1984 May 17; 786(3):204–12

Purification of an anticoagulant from the body fluid of Ascaris suum. Howse DJ, et al. **Comp Biochem Physiol [B]** 1984;78(1):183–7

Hementin: anticoagulant protease from the salivary gland of the leech Haementeria ghilianii. Malinconico SM, et al. **J Lab Clin Med** 1984 Jan;103(1):44–58

Characterization of the purified anticoagulant principles from Apis mellifera (honey bee) venom. Lin SC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1983 May;82(5):629–39

Isolation and anticoagulant properties of polysaccharides of Typha Augustata and Daemonorops species. Gibbs A, et al. **Thromb Res** 1983 Oct 15;32(2):97–108

METABOLISM

Adsorption of purified thrombin or antithrombin III for two insoluble anticoagulant polystyrene derivatives: II. Competition with the other plasma proteins. Fougnot C, et al. **Biomaterials** 1984 Mar;5(2):89–93

Affinity of purified thrombin or antithrombin III for two insoluble anticoagulant polystyrene derivatives: I. In vitro adsorption studies. Fougnot C, et al. **Biomaterials** 1983 Oct; 4(4):294–8

Possible effect of viral infections on drug metabolism [letter] Jacknowitz AI. **JAMA** 1984 Apr 27;251(16):2084–5

[Drug interactions with antivitamins K] Chrétien P, et al. **LARC Med** 1983 Nov;3(9):625–32 (Fre)

PHARMACODYNAMICS

The influence of anticoagulation on acid–base status and blood-gas analysis. Börner U, et al. **Acta Anaesthesiol Scand** 1984 Jun;28(3):277–9

GYKI 14,451, a synthetic tripeptide inhibitor of thrombin: 'in vitro' and 'in vivo' studies. Tremoli E, et al. **Adv Exp Med Biol** 1984;164:187–92

The effect of anticoagulant on the cell size of hairy cells and other malignant hematologic cells. A study with the Hemalog D. den Ottolander GJ, et al. **Am J Clin Pathol** 1984 Feb;81(2):213–8

Choice of platelet anticoagulants [letter] Kudesia VS. **Ann Intern Med** 1984 Apr;100(4):613

Catalysis of the generation of thrombin–antithrombin complex by insoluble anticoagulant polystyrene derivatives. Fougnot C, et al. **Biomaterials** 1984 Mar;5(2):94–9

Heparan sulfate and dermatan sulfate inhibit the generation of thrombin activity in plasma by complementary pathways. Ofosu FA, et al. **Blood** 1984 Sep;64(3):742–7

Effects of the administration of anticoagulants on the activity of the enzyme-reduced NAD(P)H dehydrogenase in rat livers, hepatomas and precarcinomatous rat liver lesions. Schor NA, et al. **Enzyme** 1983;30(4):244–51

Role of NK cells in the antimetastatic effect of anticoagulant drugs. Gorelik E, et al. **Int J Cancer** 1984 Jan 15;33(1):87–94

Anticoagulants and tumor growth: pharmacological considerations. Hilgard P. **Symp Fundam Cancer Res** 1983; 36:353–60 (22 ref.)

Anticoagulant and antiplatelet properties of piracetam. Teng CM, et al. **Taiwan I Hsueh Hui Tsa Chih** 1983 Nov; 82(11):1104–14

The effect of ticlopidine on human endothelial cells in culture. Piovella F, et al. **Thromb Res** 1984 Feb 1; 33(3):323–32

Effect of anti-coagulants on cold-reactive anti-lymphocyte activity in the blood of patients with malaria. Gilbreath MJ, et al. **Trans R Soc Trop Med Hyg** 1983;77(4):546–7

[Experimental study on the anticoagulative action of Danshensu] Li CZ. **Chung Hsi I Chieh Ho Tsa Chih** 1983 Sep;3(5):297–9 (Eng. Abstr.) (Chi)

[Interaction of ranitidine with oral anticoagulants (letter)] Harenberg J, et al. **Dtsch Med Wochenschr** 1983 Oct 7; 108(40):1536 (Ger)

[Sucralfate (Ulcogant). Mechanism of action of a cytoprotective agent] Steiner KF. **Fortschr Med** 1983 Dec 8;101(46):2153–6 contd (Ger)

[Microaggregation process in blood transfusion media preserved with citroglucophosphate and glugicire and the means of decreasing its intensity] Petrov MM, et al. **Gematol Transfuziol** 1983 Oct;28(10):37–40 (Eng. Abstr.) (Rus)

POISONING

Potential secondary toxicity from anticoagulant pesticides contaminating human food sources [letter] Engeman RM, et al. **N Engl J Med** 1984 Jul 26;311(4):257–8

STANDARDS

Standardisation of oral anticoagulant treatment [letter] Poller L. **Br Med J [Clin Res]** 1983 Nov 5;287(6402):1379

THERAPEUTIC USE

Assessment of therapeutic control of anticoagulation. Copplestone A, et al. **Acta Haematol (Basel)** 1984; 71(6):376–80

Oral anticoagulants and dextran for prevention of venous thrombosis in orthopaedics. Swierstra BA, et al. **Acta Orthop Scand** 1984 Jun;55(3):251–3

Current status of anticoagulant treatment. Poller L. **Adv Exp Med Biol** 1984;164:85–96

Anticoagulants during pregnancy for mechanical prosthetic valves [letter] Danel I, et al. **Am Heart J** 1984 Mar; 107(3):607–8

Anticoagulants are of little value in the treatment of renal disease. Border WA. **Am J Kidney Dis** 1984 Jan;3(4):308–12

Are anticoagulants of value in the treatment of renal disease? An introduction to the controversy. Glassock RJ. **Am J Kidney Dis** 1984 Jan;3(4):297–8

Anticoagulants are of value in the treatment of renal disease. Kincaid-Smith P. **Am J Kidney Dis** 1984 Jan;3(4):299–307

Anticoagulation therapy for venous thromboembolism in patients with gynecologic malignancy. Clarke-Pearson DL, et al. **Am J Obstet Gynecol** 1983 Oct 15;147(4):369–75

Epidural analgesia and anticoagulant therapy [letter] Molnar I, et al. **Anaesthesia** 1984 Jun;39(6):602–3

Oral anticoagulation to prevent systemic emboli [letter] Loeliger EA. **Ann Intern Med** 1984 Oct;101(4):570–1

Goodpasture's syndrome: treatment with plasmapheresis, immunosuppression, and anticoagulation. Levin M, et al. **Arch Dis Child** 1983 Sep;58(9):697–702

Long-term anticoagulant therapy in patients with venous thrombosis [editorial] Hull R, et al. **Arch Intern Med** 1983 Nov;143(11):2061–3

Thrombotic thrombocytopenic purpura. Potential benefit of splenectomy after plasma exchange. Thompson HW, et al. **Arch Intern Med** 1983 Nov;143(11):2117–9

Coronary artery bypass and antiplatelet therapy. Copeland JG, et al. **Ariz Med** 1984 Apr;41(4):223–5

Medical therapy of stroke. Powers JM. **Ariz Med** 1984 Jun; 41(6):390–2

Inhibition of the arrest of hematogenously disseminated tumor cells. Tsubura E, et al. **Cancer Metastasis Rev** 1983; 2(3):223–37 (92 ref.)

Anticoagulation in valvular heart disease preoperatively and postoperatively. Bodnar AG, et al. **Cardiovasc Clin** 1984; 14(3):247–64

The problem of cardiac valve prostheses, anticoagulants, and pregnancy. Salazar E, et al. **Circulation** 1984 Sep;70(3 Pt 2):I169–77

Congestive heart failure in valvular heart disease in pregnancies with and without valvular prostheses and anticoagulant therapy. Sheikhzadeh A, et al. **Clin Cardiol** 1983 Sep;6(9):465–70

Clinical trials of an antiplatelet agent, ticlopidine, in diabetes mellitus. Shapiro LM, et al. **Curr Med Res Opin** 1983; 8(7):518–23

Practical therapeutics: an approach to the diagnosis and management of venous thrombosis and pulmonary embolism. Lore W. **East Afr Med J** 1983 Feb;60(2):126–31

Oral anticoagulation in patients surviving myocardial infarction. A new approach to old data. Loeliger EA. **Eur J Clin Pharmacol** 1984;26(1):137–41

Ticlopidine: a promise for the prevention and treatment of thrombosis and its complications. Panak E, et al. **Haemostasis** 1983;13 Suppl 1:1–54

The pathology of the heart following long-term anticoagulant therapy in elderly patients after myocardial infarction. The Dutch sixty-plus reinfarction study. de Vries WA, et al. **Int J Cardiol** 1984 Apr;5(4):507–16

Indications for the treatment of deep venous thrombosis following total knee replacement. Lotke PA, et al. **J Bone Joint Surg [Am]** 1984 Feb;66(2):202–8

Cardiac valve prostheses in children without anticoagulation. Pass HI, et al. **J Thorac Cardiovasc Surg** 1984 Jun; 87(6):832–5

Standardization of oral anticoagulant therapy [letter] Lam-Po-Tang PR. **Med J Aust** 1984 Jun 23;140(13):804

Anticoagulant therapy following acute myocardial infarction. Part I. Incidence of and factors predisposing to thromboembolism associated with acute myocardial infarction. Genton E, et al. **Mod Concepts Cardiovasc Dis** 1983 Sep;52(9):45–8

General dentistry during continuous anticoagulation therapy. Rooney TP. **Oral Surg** 1983 Sep;56(3):252–5

The influence of anticoagulation in elderly subjects with coronary heart disease. Roos J. **Postgrad Med J** 1983;59 Suppl 3:97

An audit of a medical anticoagulant clinic in a District General Hospital. Shafi M, et al. **Postgrad Med J** 1983 Aug; 59(694):492–4

Immediate anticoagulation of embolic stroke: a randomized trial. Cerebral Embolism Study Group. **Stroke** 1983 Sep–Oct;14(5):668–76

Treatment after transient ischemic attacks: a comparison between anticoagulant drug and inhibition of platelet aggregation. Gårde A, et al. **Stroke** 1983 Sep–Oct; 14(5):677–81

Early recurrent embolism associated with nonvalvular atrial fibrillation: a retrospective study. Hart RG, et al. **Stroke** 1983 Sep–Oct;14(5):688–93

Anticoagulation in cerebral ischemia. Weksler BB, et al. **Stroke** 1983 Sep–Oct;14(5):658–63

The use of evacuated tubes for blood collection in oral anticoagulant control. van den Besselaar AM, et al. **Thromb Haemost** 1983 Oct 31;50(3):676–7

Control of thrombosis in extracorporeal circulation: variations of anticoagulation. Toomasian JM, et al. **Trans Am Soc Artif Intern Organs** 1983;29:206–9

[Control of anticoagulation therapy with Pelentan. Results of the 2nd working study of 37 laboratories] Vorlová Z, et al. **Cas Lek Cesk** 1983 Dec 23;122(51):1569–72 (Eng. Abstr.) (Cze)

[Medical treatment of retinal vein thrombosis] Algan B. **Bull Soc Belge Ophtalmol** 1982;201:15–21 (Eng. Abstr.) (Fre)

[Current indications for anticoagulant treatment in coronary insufficiency] Barrillon A. **Presse Med** 1984 Jan 28;

13(3):135–6 (Fre)
[Effect of ticlopidine on peripheral obliterating arteriopathy] Stiegler H, et al. **Dtsch Med Wochenschr** 1984 Aug 17; 109(33):1240–3 (Eng. Abstr.) (Ger)
[Recent developments in the field of fibrinolytics and anticoagulants] Lechner K, et al. **Internist (Berlin)** 1984 Feb;25(2):82–7 (Ger)
[Treatment of myocardial infarct with anticoagulants, thrombolytics, inhibitors of platelet aggregation and beta receptor blockaders] Thiele R. **Z Arztl Fortbild (Jena)** 1984; 78(5):167–71 (Ger)
[Long-term anticoagulant therapy in old age] Bán A. **Orv Hetil** 1984 Jan 22;125(4):205–10 (Eng. Abstr.) (Hun)
[Evaluation of antiplatelet drug therapy and replaced heart valves based on platelet functions] Nasu M, et al. **Kyobu Geka** 1983 Sep;36(9):701–5 (Eng. Abstr.) (Jpn)
[Evaluation of a synthetic thrombin inhibitor MD 805 as an anticoagulant after open heart and vascular surgery] Sugawara H, et al. **Kyobu Geka** 1983;36(7):533–7 (Eng. Abstr.) (Jpn)
[Clinical significance of coagulative and fibrinolytic changes in patients with ovarian cancer and anticoagulant therapy] Chen JT. **Nippon Gan Chiryo Gakkai Shi** 1983 Oct 20; 18(7):1863–72 (Eng. Abstr.) (Jpn)
[Effect of troxerutin on platelet aggregation in patients with arteriosclerosis] Myśliwiec M, et al. **Pol Tyg Lek** 1983 Oct 31;38(44):1367–8 (Eng. Abstr.) (Pol)
[Clinical pharmacology of drugs used in thromboembolism] Orzechowska-Juzwenko K. **Pol Tyg Lek** 1983 Dec 19–26; 38(51–52):1663–7 (Pol)
[Anticoagulant and antifibrinolytic medication in ophthalmology] Cristea E, et al. **Rev Chir [Oftalmol]** 1983 Jul–Sep;27(3):215–22 (Eng. Abstr.) (Rum)
[Thromboembolic disease. Pathogenetic aspects and therapeutic implications] Scrobohaci ML. **Rev Med Interna [Med Interna]** 1984 Jan–Feb;36(1):49–56 (Rum)
[Anticoagulant therapy with antivitamins K] Bokarev IN, et al. **Klin Med (Mosk)** 1984 Jan;62(1):18–24 (Rus)
[Anticoagulant therapy. Practical recommendations for its use] Iturbe Alessio I, et al. **Arch Inst Cardiol Mex** 1984 May–Jun;54(3):293–6 (Spa)
[Anticoagulant therapy] Maragall S, et al. **Med Clin (Barc)** 1984 Mar 10;82(9):410–7 (49 ref.) (Spa)
[Antiaggregant drugs in traumatic shock lung. Experimental study] López Pastor A, et al. **Rev Clin Esp** 1984 Apr 15; 173(1):31–6 (Eng. Abstr.) (Spa)
[Treatment of acute deep venous thrombosis] Lockner D, et al. **Lakartidningen** 1983 Jun 29;80(26–27):2633–4 (Swe)

ANTICOCCIDIAL AGENTS see **COCCIDIOSTATS**

ANTICODON see under **RNA, TRANSFER**

ANTICONVULSANTS

Attenuation of the post-decapitation convulsions after repeated treatment of rats with desipramine, imipramine and maprotiline. Archer T, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 May;54(5):372–8
Cow's urine concoction: its chemical composition, pharmacological actions and mode of lethality. Oyebola DD. **Afr J Med Med Sci** 1983 Mar;12(1):57–63 (45 ref.)
Anticonvulsant activity of milacemide. van Dorsser W, et al. **Arch Int Pharmacodyn Ther** 1983 Dec;266(2):239–49
Metabolic and pharmacological studies with N-methyl-N'-methyl-2'-allyl-2-benzoyl-4-chloro-glycin (F 1797). Ballabio M, et al. **Arzneimittelforsch** 1983; 33(7):959–61
Denzimol, a new anticonvulsant drug. I. General anticonvulsant profile. Graziani G, et al. **Arzneimittelforsch** 1983;33(8):1155–60
Synthesis and characterization of 2-(2-hydroxyphenyl)-4-aryl-1,5-benzodiazepines. Lin AJ, et al. **Arzneimittelforsch** 1984;34(5):640–2
A new type of anticonvulsant, stiripentol. Pharmacological profile and neurochemical study. Poisson M, et al. **Arzneimittelforsch** 1984;34(2):199–204
Attenuation of epileptogenesis: proactive effect of a single epinephrine injection of amygdaloid kindling. Welsh KA, et al. **Behav Neural Biol** 1984 Mar;40(2):179–85
A pilot study on the anticonvulsive effects of a thyrotropin-releasing hormone analog in intractable epilepsy. Matsuishi T, et al. **Brain Dev** 1983;5(4):421–8
Aminooxyacetic acid provides transient protection against seizures induced by hyperbaric oxygen. Davison AJ. **Brain Res** 1983 Oct 16;276(2):384–7
Reversible suppression of amygdaloid kindled convulsion following unilateral gabaculine injection into the substantia innominata. Okamoto M, et al. **Brain Res** 1984 Jul 9; 305(2):389–92
The kindled amygdala model of epilepsy: anticonvulsant action of amino acid antagonists. Peterson DW, et al. **Brain Res** 1983 Sep 19;275(1):169–72
Anticonvulsant drugs. An update. Eadie MJ. **Drugs** 1984 Apr; 27(4):328–63 (423 ref.)
L-cycloserine: a potent anticonvulsant. Chung SH, et al. **Epilepsia** 1984 Jun;25(3):353–62
Development of tolerance to the anticonvulsant effects of clobazam. Gent JP, et al. **Eur J Pharmacol** 1983 Oct 14; 94(1–2):155–8
The partial benzodiazepine agonist properties of Ro 15–1788 in pentylenetetrazol-induced seizures in cats. Kaijima M, et al. **Eur J Pharmacol** 1983 Sep 16;93(1–2):113–5
Comparative evaluation of anticonvulsant and toxic potencies of valproic acid and 2-en-valproic acid in different animal models of epilepsy. Löscher W, et al. **Eur J Pharmacol** 1984 Mar 23;99(2–3):211–8
Potentiation of GABA by midazolam and its therapeutic effect against status epilepticus. Kaneko S, et al. **Folia Psychiatr Neurol Jpn** 1983;37(3):307–9
Tricyclic antidepressants risks and benefits [letter] Decina P, et al. **J Clin Psychopharmacol** 1983 Dec;3(6):389
alpha,alpha-Diphenylsuccinimide: evaluation of anticonvulsant and hydrophobic properties. Jones GL, et al. **J Pharm Sci** 1984 Mar;73(3):310–3
Anticonvulsant action of diazepam in mice pretreated with caffeine. Goto M, et al. **J Pharmacobiodyn** 1983 Sep; 6(9):654–9
Protective effects of different beta-blocking agents against electroshock lethality in mice. Pérez-Ojeda E, et al. **J Pharmacol** 1983 Jul–Sep;14(3):303–9
Increased anticonvulsant effect of phenytoin in aging BDF1 mice. Kitani K, et al. **J Pharmacol Exp Ther** 1984 Apr; 229(1):231–6
Psychopharmacological effects of melatonin in mouse and rat. Sugden D. **J Pharmacol Exp Ther** 1983 Dec; 227(3):587–91
A benzodiazepine antagonist action of CL 218,872. Melchior CL, et al. **Life Sci** 1984 May 28;34(22):2201–6
Antiepileptic effects of amphetamine may require GABA (benzodiazepine) activity. Myslobodsky MS, et al. **Life Sci** 1984 Apr 16;34(16):1591–6
Membrane-disordering potency and anticonvulsant action of valproic acid and other short-chain fatty acids. Perlman BJ, et al. **Mol Pharmacol** 1984 Jul;26(1):83–9
Evidence that the dorsal raphe area is involved in the effect of clonidine against pentylenetetrazole-induced seizures in rats. Lazarova M, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Jan; 325(1):12–6
Naloxone-6-spirohydantoin: a new non-toxic compound with anticonvulsive properties. Chatterjie N, et al. **Neuropharmacology** 1983 Sep;22(9):1151–3
Differential effects of baclofen, gamma-hydroxybutyric acid and muscimol on the protective action of phenobarbital and diphenylhydantoin against maximal electroshock-induced seizures in mice. Czuczwar SJ, et al. **Neuropharmacology** 1984 Feb;23(2A):159–63
The effects of analogues of valproic acid on seizures induced by pentylenetetrazol and GABA content in brain of mice. Keane PE, et al. **Neuropharmacology** 1983 Jul;22(7):875–9
Similar anticonvulsant, but unique, behavioural effects of opioid agonists in the seizure-sensitive Mongolian gerbil. Lee RJ, et al. **Neuropharmacology** 1984 May;23(5):517–24
Anticonvulsant effects of adenosine analogues on amygdaloid-kindled seizures in rats. Barraco RA, et al. **Neurosci Lett** 1984 May 18;46(3):317–22
Antiepileptic action of excitatory amino acid antagonists in the photosensitive baboon, Papio papio. Meldrum BS, et al. **Neurosci Lett** 1983 Aug 19;39(1):101–4
A comparison of the anticonvulsant potency of (+/-) 2-amino-5-phosphonopentanoic acid and (+/-) 2-amino-7-phosphonoheptanoic acid. Meldrum BS, et al. **Neuroscience** 1983 Aug;9(4):925–30
Dose-dependent proconvulsant and anticonvulsant actions of the alpha 2 adrenergic agonist, xylazine, on kindled seizures in the rat. Joy RM, et al. **Pharmacol Biochem Behav** 1983 Aug;19(2):345–50
Effect of prostaglandin synthetase inhibitors on experimentally induced convulsions in rats. Wallenstein MC, et al. **Pharmacology** 1984;29(2):85–93
Anticonvulsant action of new cyclic derivatives of phenylsuccinimides. Chmielewska B. **Pharmazie** 1983 Dec; 38(12):872–3
Comparative assessment of dopamine agonist aporphines as anticonvulsants in two models of reflex epilepsy. Anlezark GM, et al. **Psychopharmacology (Berlin)** 1983;81(2):135–9
Studies on the pharmacology of d-amphetamine on maximal electroconvulsive seizure in young chicks. Osuide G, et al. **Psychopharmacology (Berlin)** 1983;81(2):119–21
[Benzodiazepines in the treatment of epilepsy] Loiseau P. **Encephale** 1983;9(4 Suppl 2):287B–292B (20 ref.) (Eng. Abstr.) (Fre)
[Anticonvulsant effect of a novel TRH analog (DN-1417) on amygdaloid kindled seizure II; comparison with TRH tytrate] Morimoto K, et al. **No To Shinkei** 1983 May; 35(5):501–4 (Eng. Abstr.) (Jpn)
[Clinical and electroencephalographic features of the action of the psychic stimulant sydnocarb in various forms of epilepsy] Biniaurishvili RG, et al. **Zh Nevropatol Psikhiatr** 1984;84(6):886–91 (Eng. Abstr.) (Rus)
[Alpha-tocopherol in the complex treatment of several forms of epilepsy] Kovalenko VM, et al. **Zh Nevropatol Psikhiatr** 1984;84(6):892–7 (Eng. Abstr.) (Rus)
[Electroclinical characteristics of the effects of corticosteroids on experimentally induced epilepsy] Popov I, et al. **Med Pregl** 1983;36(7–8):299–305 (Eng. Abstr.) (Scr)
[Effects of barbexaclone on the electroencephalogram, motor activity and experimental convulsions] Bretas AD, et al. **Arq Neuropsiquiatr** 1983 Dec;41(4):356–66 (Eng. Abstr.) (Spa)

ADMINISTRATION & DOSAGE

Unnecessary polypharmacy in patients with frequent seizures. Callaghan N, et al. **Acta Neurol Scand** 1984 Jan;69(1):15–9
Summing up of the success so far gained through choice of drugs or combinations of drugs. Dam M. **Acta Neurol Scand [Suppl]** 1984;99:19–22
Potentiation of the anticonvulsant effects of antiepileptic drugs by 'nootropics'; a potential new therapeutic approach. Mondadori C, et al. **Acta Neurol Scand [Suppl]** 1984;99:131–2
Carbamazepine 10, 11 epoxide concentrations in epileptics on carbamazepine alone and in combination with other anticonvulsants. Brodie MJ, et al. **Br J Clin Pharmacol** 1983 Dec;16(6):747–9
Pharmacokinetic interactions of antiepileptic drugs. Albright PS, et al. **Can J Neurol Sci** 1984 May;11(2):247–51 (60 ref.)
Plasma lecithin:cholesterol acyltransferase — reference values and effects of xenobiotics. Hitz J, et al. **Clin Chim Acta** 1983 Sep 15;133(1):85–96
Seizure management with minimal medications in institutionalized mentally retarded epileptics. A prospective study. First report after 4 1/2 years of follow up. Alvarez N, et al. **Clin Electroencephalogr** 1983 Jul;14(3):164–72
Reduction of polypharmacy for epilepsy in an institution for the retarded. Bennett HS, et al. **Dev Med Child Neurol** 1983 Dec;25(6):735–7
Anticonvulsant therapy in a general practice population in Northern Ireland. McCluggage JR, et al. **J R Coll Gen Pract** 1984 Jan;34(258):24–31
Potentiation of the 'dopa' effect in parkinsonism by a direct GABA receptor agonist [letter] Bergmann KJ, et al. **Lancet** 1984 Mar 10;1(8376):559
Antiepileptic drug therapy. Fine tuning the dosage regimen. Welty TE, et al. **Postgrad Med** 1983 Nov;74(5):287–305
[The treatment of status epilepticus] van Huffelen AC. **Ned Tijdschr Geneeskd** 1983 Oct 29;127(44):2003–9 (Dut)
[Seriousness and repercussions of untimely drug therapy changes in epileptics] Vidart L, et al. **Ann Med Psychol (Paris)** 1983 May;141(5):536–40 (Fre)
[A few remarks on the use of anticonvulsant drugs and the value of pharmacokinetic studies in the child] Gaggero R, et al. **Neuropsychiatr Enfance Adolesc** 1983 Nov-Dec; 31(11–12):537–44 (Eng. Abstr.) (Fre)
[Indications for monotherapy or polytherapy in epilepsy] Loiseau P. **Praxis** 1983 Aug 16;72(33):1085–9 (Eng. Abstr.) (Fre)
[Discontinuation of antiepilepsy treatment in the developmental age] Curatolo P, et al. **Recenti Prog Med** 1984 Jan;75(1):45–50 (Eng. Abstr.) (Ita)
[Epilepsy and pregnancy (review of the literature)] Narbone MC, et al. **Riv Neurol** 1983 May-Jun;53(3):154–77 (75 ref.) (Eng. Abstr.) (Ita)
[Interruption of antiepileptic therapy in seizure-free patients following surgery to remove the epileptogenic lesion] Sironi VA, et al. **Riv Neurol** 1983 Jul-Aug;53(4):247–56 (Eng. Abstr.) (Ita)
[Antiepileptic effects of synthetic pharmacologic agents and vitamin preparations used in combination] Shandra AA, et al. **Zh Nevropatol Psikhiatr** 1984;84(6):899–903 (Eng. Abstr.) (Rus)
[Various principles of therapeutic tactics in epilepsy patients during pregnancy] Sigidinenko LV. **Zh Nevropatol Psikhiatr** 1984;84(6):897–9 (Eng. Abstr.) (Rus)
[Long-term prognosis in children with epileptic crisis treated for 5 years] Devilat M, et al. **Rev Chil Pediatr** 1983 Sep-Oct;54(5):319–24 (Eng. Abstr.) (Spa)

ADVERSE EFFECTS

Hepatic toxicity of antiepileptic drugs: a review. Gram L, et al. **Acta Neurol Scand [Suppl]** 1983;97:81–90
Dementia in epilepsy. Trimble MR. **Acta Neurol Scand [Suppl]** 1984;99:99–104
Drug use in pregnancy. Whipkey RR, et al. **Ann Emerg Med** 1984 May;13(5):346–54 (98 ref.)
Acne and anticonvulsants. Greenwood R, et al. **Br Med J [Clin Res]** 1983 Dec 3;287(6406):1669–70
Hair copper and zinc concentrations in handicapped children treated with anticonvulsants. Ikeda T, et al. **Dev Pharmacol Ther** 1983;6(6):381–7
Human serum teratogenicity studied by rat embryo culture: epilepsy, anticonvulsant drugs, and nutrition. Chatot CL, et al. **Epilepsia** 1984 Apr;25(2):205–16
Teratogenicity of antiepileptic drug combinations with special emphasis on epoxidation (of carbamazepine). Lindhout D, et al. **Epilepsia** 1984 Feb;25(1):77–83
Mental effects of antiepileptic medication: a review. Reynolds EH. **Epilepsia** 1983;24 Suppl 2:S85–95 (73 ref.)
Neonatal outcome in infants of epileptic mothers. Neri A, et al. **Eur J Obstet Gynecol Reprod Biol** 1983 Dec; 16(4):263–8
Antiepileptic drugs and psychiatric disorders: mechanism involved in manifestation of psychic symptoms of high blood level of antiepileptics. Kato H. **Folia Psychiatr Neurol Jpn** 1983;37(3):283–9
Pharmacodynamic factors in the occurrence of psychiatric

symptoms among patients with epilepsy. Kugoh T, et al. **Folia Psychiatr Neurol Jpn** 1983;37(3):277–81

The epileptic mother and her child. Philbert A, et al. **Indian Pediatr** 1983 Nov;20(11):811–24 (110 ref.)

Compromised hepatic function in dogs treated with anticonvulsant drugs. Bunch SE, et al. **J Am Vet Med Assoc** 1984 Feb 15;184(4):444–8

Decreased serum ionized calcium and normal vitamin D metabolite levels with anticonvulsant drug treatment. Weinstein RS, et al. **J Clin Endocrinol Metab** 1984 Jun; 58(6):1003–9

Effect of in utero exposure to anticonvulsants on craniofacial development and growth. Van Lang QC, et al. **J Craniofac Genet Dev Biol** 1984;4(2):115–33

Sex hormones, sexual activity and plasma anticonvulsant levels in male epileptics. Toone BK, et al. **J Neurol Neurosurg Psychiatry** 1983 Sep;46(9):824–6

Possible hazard of valpromide–carbamazepine combination therapy in epilepsy [letter] Meijer JW, et al. **Lancet** 1984 Apr 7;1(8380):802

Treatment of epilepsy [letter] Bell DS. **Med J Aust** 1984 Aug 4;141(3):171–2

Seizure management in the hepatic porphyrias: results from a cell-culture model of porphyria [letter] Shedlofsky SI, et al. **Neurology (NY)** 1984 Mar;34(3):399

A quantitative determination of anticonvulsant–induced bone demineralization by an improved X-ray densitometry technique. Wolschendorf K, et al. **Neuroradiology** 1983; 25(5):315–8

Vitamin D metabolism and anticonvulsant therapy: effect of sunshine on incidence of osteomalacia. Williams C, et al. **South Med J** 1984 Jul;77(7):834–6, 842

[Bone mineral content measurement by a radiographic method. II. Bone mineral content measurement of the ulna in epileptics on long–term anticonvulsant therapy] Lian ZC. **Chung Hua Fang She Hsueh Tsa Chih** 1983 May; 17(2):110–3 (Eng. Abstr.) **(Chi)**

[Relations to the use of antiepileptics by the pregnant woman to the development of congenital abnormalities in her child] Meinardi H. **Ned Tijdschr Geneeskd** 1983 Oct 29; 127(44):2012–6 **(Dut)**

[Neuropsychiatric side effect of anticonvulsants in the child] De Negri M, et al. **Neuropsychiatr Enfance Adolesc** 1983 Nov–Dec;31(11–12):551–6 (54 ref.) (Eng. Abstr.) **(Fre)**

[Modalities and side effects of ACTH therapy of diffuse epilepsy in children] Doria L, et al. **Neuropsychiatr Enfance Adolesc** 1983 Nov–Dec; 31(11–12):531–6 (Eng. Abstr.) **(Fre)**

[Pharmacological analysis of difficulties of adjusting an antiepileptic treatment] Chamouard JM, et al. **Therapie** 1983 Mar–Apr;38(2):197–206 (Eng. Abstr.) **(Fre)**

[Drug interactions of central nervous system active drugs. 3: Drug interactions of anticonvulsants and antiparkinson agents] Estler CJ. **Fortschr Med** 1984 Feb 9;102(6):129–32 **(Ger)**

[Discontinuation of therapy in epileptic children. With special reference to the sleep deprivation EEG before and after drug reduction] Haupt M, et al. **Kinderarztl Prax** 1984 Jun; 52(6):284–8 (Eng. Abstr.) **(Ger)**

[Effect of antiepileptics on the endocrine system] Fichsel H. **Monatsschr Kinderheilkd** 1984 Jun;132(6):374–7 **(Ger)**

[Antiepileptic–induced osteomalacia and vitamin D therapy] David HP, et al. **Nervenarzt** 1983 Dec;54(12):647–50 **(Ger)**

[Psychotropic effects of antiepileptic drugs] Diehl LW. **Psychiatr Clin (Basel)** 1983;16(5–6):305–15 (Eng. Abstr.) **(Ger)**

[Calcium–phosphorus changes in chronic anticonvulsant therapy: effects of the administration of 25–hydroxyvitamin D3 on secondary hyperparathyroidism] Bianchini G, et al. **Acta Vitaminol Enzymol** 1983;5(4):229–34 (Eng. Abstr.) **(Ita)**

[Case of pseudohypoparathyroidism type II with marked bone deformities and hypothyroidism induced by anticonvulsants] Yoshida T, et al. **Nippon Naika Gakkai Zasshi** 1983 Sep;72(9):1181–6 **(Jpn)**

[Downbeat nystagmus due to anticonvulsant intoxication] Kitamura K, et al. **Rinsho Shinkeigaku** 1984 Feb; 24(2):137–44 (Eng. Abstr.) **(Jpn)**

[Teratogenic effect of anticonvulsants (letter)] Hajnšek F. **Jugosl Ginekol Opstet** 1983 May–Aug;23(3–4):100 **(Ser)**

[Harmful effects of antiepileptic agents on the offspring of epileptic parents] Hajnšek F. **Lijec Vjesn** 1983 Sep; 105(9):376–8 (Eng. Abstr.) **(Ser)**

[Drugs and myasthenia gravis] Jusić A. **Lijec Vjesn** 1984 Jan; 106(1):42–3 **(Ser)**

ANALYSIS

The place of saliva in antiepileptic drug monitoring. Knott C, et al. **Ther Drug Monit** 1984;6(1):35–41

BLOOD

Pharmacokinetics of antiepileptic drugs. Tokola RA, et al. **Acta Neurol Scand [Suppl]** 1983;97:17–27

Continuous monitoring of plasma antiepileptic drug levels. van der Kleijn E, et al. **Acta Neurol Scand [Suppl]** 1983; 97:91–114

Evaluation of the Abbott TDx for the stat measurement of phenobarbital, phenytoin, carbamazepine, and theophylline. Loomis KF, et al. **Am J Clin Pathol** 1983 Nov;80(5):686–91

The effect of computer generated comments on the distribution of anticonvulsant concentrations. Richardson T. **Ann Clin Biochem** 1984 May;21 (Pt 3):184–7

Diagnostic decision. The measurement of anticonvulsant agent levels. Troupin AS. **Ann Intern Med** 1984 Jun; 100(6):854–8

Effect of use of gel–barrier sampling tubes on determination of some antiepileptic drugs in serum. Bergqvist Y, et al. **Clin Chem** 1984 Mar;30(3):465–6

Comments on a proposed selected method for antiepileptic agents [letter] Conlan LA, et al. **Clin Chem** 1984 Apr; 30(4):593

Antiepileptic agents—primidone, phenobarbital, phenytoin, and carbamazepine by reversed–phase liquid chromatography. Gerson B, et al. **Clin Chem** 1984 Jan; 30(1):105–8

Semi–automated continuous–flow enzyme immunoassay for antiepileptic drugs in serum. Hayashi S, et al. **Clin Chem** 1983 Oct;29(10):1790–2

Improved simultaneous liquid–chromatographic determination of antiepileptic drugs in plasma [letter] Soto–Otero R, et al. **Clin Chem** 1984 May;30(5):817–8

Free level monitoring of antiepileptic drugs. Clinical usefulness and case studies. Perucca E. **Clin Pharmacokinet** 1984 Jan;9 Suppl 1:71–8

Reassessment of the concept of a therapeutic range of anticonvulsant plasma levels. Vajda FJ, et al. **Dev Med Child Neurol** 1983 Oct;25(5):660–71 (110 ref.)

Protein binding of carbamazepine and its epoxide in maternal and fetal plasma at delivery: comparison to other anticonvulsants. Kuhnz W, et al. **Dev Pharmacol Ther** 1984; 7(1):61–72

Comparative binding studies of anticonvulsant drugs to bovine serum albumin. Dal Pozzo A, et al. **Farmaco [Sci]** 1983 Aug;38(8):609–18

Determination of progabide and its main acid metabolite in biological fluids using high–performance liquid chromatography and electrochemical detection. Application to the measurement of blood/plasma partition ratio. Padovani P, et al. **J Chromatogr** 1984 Jun 8; 308:229–39

Simultaneous determination of eleven antiepileptic compounds in serum by high–performance liquid chromatography. Wad N. **J Chromatogr** 1984 Jan 13; 305(1):127–33

Antiepileptic drug analysis in Minnesota. Karnes WE, et al. **Minn Med** 1984 May;67(5):273–5

Serum and plasma for total and free anticonvulsant drug analyses: effects on EMIT assays and ultrafiltration devices. Godolphin W, et al. **Ther Drug Monit** 1983;5(3):319–23

Adaptation of microvolume EMIT assays for theophylline, phenobarbital, phenytoin, carbamazepine, primidone, ethosuximide, and gentamicin to a CentrifiChem chemistry analyzer. Studts D, et al. **Ther Drug Monit** 1983;5(3):335–40

Application of substrate–labelled fluorescent immunoassay to the measurement of anticonvulsant and antiasthmatic drug levels in plasma and serum. Toseland PA, et al. **Ther Drug Monit** 1983;5(4):501–5

Comparison of assay methods used to measure antiepileptic drugs in plasma. Wilson JF, et al. **Ther Drug Monit** 1983; 5(4):449–60

[Pharmacokinetics of antiepileptic agents. Value of the measurement of plasma concentrations in the adjustment and monitoring of the treatment of epilepsy] Houin G, et al. **Therapie** 1983 Mar–Apr;38(2):179–85 (Eng. Abstr.) **(Fre)**

[Significance and limitations of blood level determinations of antiepileptic drugs] Fröscher W. **Monatsschr Kinderheilkd** 1984 Jun;132(6):364–8 **(Ger)**

[New possibilities in the determination of antiepileptics—use of the EMIT and FIA methods] Trbojević–Cepe M, et al. **Neurologija** 1983;31(1–2):47–62 (Eng. Abstr.) **(Scr)**

[Study of the relation of cyclic 3,5–monophosphate and the concentration of antiepileptic agents in a group of resistant epileptics] Trbojević–Cepe M, et al. **Neurologija** 1984; 32(1–2):33–44 (Eng. Abstr.) **(Scr)**

[Determination of plasma levels of anticonvulsant drugs. Preliminary report of our experiences] López Zanón A, et al. **Rev Clin Esp** 1983 Nov 15;171(3):205–10 (Eng. Abstr.) **(Spa)**

CEREBROSPINAL FLUID

Kinetics of penetration of common antiepileptic drugs into cerebrospinal fluid. Löscher W, et al. **Epilepsia** 1984 Jun; 25(3):346–52

CHEMICAL SYNTHESIS

Some new piperazino derivatives as antiparkinson and anticonvulsant agents. Agarwal JC, et al. **Arch Pharm (Weinheim)** 1983 Aug;316(8):690–4

Synthesis and anticonvulsant activity of some substituted lactams and amides. Brouillette WJ, et al. **J Med Chem** 1984 Feb;27(2):202–6

Phosphorus analogues of gamma–aminobutyric acid, a new class of anticonvulsants. Cates LA, et al. **J Med Chem** 1984 May;27(5):654–9

Anticonvulsant activity of some 4–aminobenzamides. Clark CR, et al. **J Med Chem** 1984 Jun;27(6):779–82

Synthesis of previously inaccessible quinazolines and 1,4–benzodiazepines as potential anticonvulsants. Fatmi AA, et al. **J Med Chem** 1984 Jun;27(6):772–8

Substituted (omega–aminoalkoxy) stilbene derivatives as a new class of anticonvulsants. Kikumoto R, et al. **J Med Chem** 1984 May;27(5):645–9

Gamma–aminobutyric acid esters. 1. Synthesis, brain uptake, and pharmacological studies of aliphatic and steroid esters of gamma–aminobutyric acid. Shashoua VE, et al. **J Med Chem** 1984 May;27(5):659–64

Synthesis of aminomethyl–substituted cyclic imide derivatives for evaluation as anticonvulsants. Stratford ES, et al. **J Med Chem** 1983 Oct;26(10):1463–9

Synthesis of 3,4–dihydro–4–oxoquinazoline derivatives as potential anticonvulsants. Vaidya NA, et al. **J Med Chem** 1983 Oct;26(10):1422–5

An N–protected gamma–aminobutyric acid dipeptide with anticonvulsant action. Galzigna L, et al. **J Neurochem** 1984 Jun;42(6):1762–6

Synthesis and anticonvulsant properties of some 2–aminoethanesulfonic acid (taurine) derivatives. Andersen L, et al. **J Pharm Sci** 1984 Jan;73(1):106–8

Triazolines XIII: delta 2–1,2,3–triazolines, a new class of anticonvulsants. Kadaba PK. **J Pharm Sci** 1984 Jun; 73(6):850–2

Synthesis and anticonvulsant evaluation of N–aminosuccinimides. Kornet MJ. **J Pharm Sci** 1984 Mar; 73(3):405–6

Synthesis and anticonvulsant testing of 4–phenylsemicarbazides. Kornet MJ, et al. **J Pharm Sci** 1983 Oct;72(10):1213–5

Synthesis and properties of cyclic derivatives of succinic acid with anticonvulsant activity. Part 4. Lange J, et al. **Pharmazie** 1984 May;39(5):318–9

CLASSIFICATION

Epileptic seizures during ontogenesis in the rat. Mareš P, et al. **J Physiol (Paris)** 1982–83;78(9):863–4

METABOLISM

Pharmacokinetics of 10–OH–carbazepine, the main metabolite of the antiepileptic oxcarbazepine, from serum and saliva concentrations. Kristensen O, et al. **Acta Neurol Scand** 1983 Sep;68(3):145–50

Pharmacokinetics of valpromide in dogs after various modes of administration. Bialer M, et al. **Biopharm Drug Dispos** 1984 Apr–Jun;5(2):177–83

No effect of food intake on clobazam absorption. Cenraud B, et al. **Br J Clin Pharmacol** 1983 Dec;16(6):728–30

Pharmacokinetics of anticonvulsants. Chadwick D. **Br J Hosp Med** 1983 Dec;30(6):421–4

Antiepileptic drug utilization in pediatric patients. Dodson WE. **Epilepsia** 1984;25 Suppl 2:S132–9

Interactions between anticonvulsants and other commonly prescribed drugs. Kutt H. **Epilepsia** 1984;25 Suppl 2:S118–31 (114 ref.)

Michaelis–Menten kinetics of stiripentol in normal humans. Levy RH, et al. **Epilepsia** 1984 Aug;25(4):486–91

Stereoselective metabolism and pharmacogenetic control of 5–phenyl–5–ethylhydantoin (nirvanol) in humans. Küpfer A, et al. **J Pharmacol Exp Ther** 1984 Jul;230(1):28–33

Possible effect of viral infections on drug metabolism [letter] Jacknowitz AI. **JAMA** 1984 Apr 27;251(16):2084–5

Pharmacokinetics of phenobarbital and propylhexedrine after administration of barbexaclone in the mouse. Iven H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1983 Sep; 324(2):153–9

Pharmacokinetics and in vitro effects of a 4–aminobutyric acid derivative with anticonvulsant action. Bianchi M, et al. **Pharmacology** 1983;27(4):237–40

Applications of stable isotope methods to studying the clinical pharmacology of antiepileptic drugs in newborns, infants, children, and adolescents. Browne TR, et al. **Ther Drug Monit** 1984;6(1):3–9 (25 ref.)

[Comparative study of the levels of anticonvulsants and their free fractions in venous blood, saliva and capillary blood in man] Van Hoeck GM. **J Pharmacol** 1984 Jan–Mar; 15(1):27–35 (Eng. Abstr.) **(Fre)**

[Pharmacokinetics of anticonvulsant drugs and their dosage in childhood epilepsy] Rylance G. **Recenti Prog Med** 1984 Jan;75(1):51–65 (Eng. Abstr.) **(Ita)**

PHARMACODYNAMICS

Lowering effect of diphenylhydantoin on serum free thyroxine and thyroxine binding globulin (TBG). Suzuki H, et al. **Acta Endocrinol (Copenh)** 1984 Apr;105(4):477–81

Central depressive action of two N–aminomethyl derivatives of diethylpyridinedione. Beltcheva I, et al. **Acta Physiol Pharmacol Bulg** 1983;9(1):35–43

Effects of certain antiepileptics on cephaloridine– and cefazolin–induced seizures in rats. Kamei C, et al. **Arch Int Pharmacodyn Ther** 1983 Aug;264(2):220–31

Denzimol, a new anticonvulsant drug. II. General pharmacological activities. Graziani G, et al. **Arzneimittelforsch** 1983;33(8):1161–8

Effect of Denzimol, a new anticonvulsant drug, on rat cerebellum. Morphological and histochemical patterns of Purkinje cell layer. Biggiogera M, et al. **Basic Appl Histochem** 1983;27(4):277–90

Anticonvulsant activity of intracerebroventricularly administered valproate and valproate analogues. A dose–dependent correlation with changes in brain aspartate and GABA levels in DBA/2 mice. Chapman AG, et al. **Biochem Pharmacol** 1984 May 1;33(9):1459–63

Pro- and anticonvulsant actions of morphine and the endogenous opioids: involvement and interactions of multiple opiate and non-opiate systems. Frenk H. **Brain Res** 1983 Oct;287(2):197–210 (123 ref.)

The influence of anticonvulsants on fasting plasma ammonia and amino acid levels. Verity CM, et al. **Clin Biochem** 1983 Dec;16(6):344–5

Incidence of increases in beta-glucuronidase as compared with increases of gamma-glutamyltransferase and other serum enzymes during long-term anticonvulsant therapy [letter] Haidukewych D, et al. **Clin Chem** 1984 Aug; 30(8):1431–2

Inhibition of amino acid transmitter release from rat brain slices by phenytoin and related anticonvulsants. Skerritt JH, et al. **Clin Exp Pharmacol Physiol** 1983 Sep–Oct; 10(5):527–33

The clinical pharmacology of antiepileptic drugs. Bruni J, et al. **Clin Neuropharmacol** 1984;7(1):1–34 (261 ref.)

Vitamin K-dependent proteins and anticonvulsant medication. Keith DA, et al. **Clin Pharmacol Ther** 1983 Oct;34(4):529–32

Quinidine interaction with anticonvulsants. Rodgers GC, et al. **Drug Intell Clin Pharm** 1983 Nov;17(11):819–20

Effects of antiepileptic drugs and seizure type on operant responding in mentally retarded persons. Gay PE. **Epilepsia** 1984 Jun;25(3):377–86

Anticonvulsant therapy and its possible consequences on peripheral nervous system: a neurographic study. Geraldini C, et al. **Epilepsia** 1984 Aug;25(4):502–5

Amino acid neurotransmitters and new approaches to anticonvulsant drug action. Meldrum B. **Epilepsia** 1984;25 Suppl 2:S140–9 (65 ref.)

Anticonvulsant drugs, cognitive function, and behavior. Trimble MR, et al. **Epilepsia** 1983;24 Suppl 1:S55–63

Interaction of anticonvulsant drugs with adenosine receptors in the central nervous system. Weir RL, et al. **Epilepsia** 1984 Aug;25(4):492–8

Effects of excitatory amino-acid antagonists on the anticonvulsant action of phenobarbital or diphenylhydantoin in mice. Czuczwar SJ, et al. **Eur J Pharmacol** 1984 May 4;100(3–4):357–62

Interactions of two phenylquinolines with picrotoxin and benzodiazepines in vivo and in vitro. File SE, et al. **Eur J Pharmacol** 1984 Jan 27;97(3–4):295–300

Anticonvulsant action in the photosensitive baboon, Papio papio, of a novel beta-carboline derivative, ZK 91296. Meldrum BS, et al. **Eur J Pharmacol** 1983 Jul 22; 91(2–3):255–9

The action of anticonvulsant drugs on the firing of locus coeruleus neurons: selective, activating effect of carbamazepine. Olpe HR, et al. **Eur J Pharmacol** 1983 Jul 15;91(1):107–10

Metabolic interactions of phenytoin in the rat: effect of coadministration with the anticonvulsant drugs sodium valproate, sulthiame, ethosuximide or phenobarbital. Patsalos PN, et al. **Gen Pharmacol** 1984;15(1):7–12

Pharmacological basis of therapeutics: anticonvulsant agents. Geller HM. **J Med Soc NJ** 1984 Apr;81(4):322–4

Antiepileptic agents affect hypothalamic beta-endorphin concentrations. Martini A, et al. **J Neurochem** 1984 Sep; 43(3):871–3

Effects of 6-methoxytetrahydro-beta-carboline on 5-hydroxytryptamine binding in rat brain. Taylor DL, et al. **J Pharm Pharmacol** 1984 Feb;36(2):125–7

Effect of acetazolamide on the anticonvulsant potency of several antiepileptic drugs in mice. Sato J, et al. **J Pharmacobiodyn** 1983 May;6(5):295–300

Effects of anticonvulsants on learning: performance of pigeons under a repeated acquisition procedure when exposed to phenobarbital, clonazepam, valproic acid, ethosuximide and phenytoin. Picker M, et al. **J Pharmacol Exp Ther** 1984 Aug;230(2):307–16

Novel inhibitors of gamma-aminobutyric acid (GABA) uptake: anticonvulsant actions in rats and mice. Yunger LM, et al. **J Pharmacol Exp Ther** 1984 Jan;228(1):109–15

Pharmacological studies on a Nigerian herbal preparation: II. Anticonvulsant evaluation of cow's urine concoction (CUC) and its individual components. Adekile AD, et al. **J Trop Pediatr** 1983 Dec;29(6):299–302

The effect of gamma-hydroxybutyrate and anticonvulsants on opioid peptide content in the rat brain. Lasoń W, et al. **Life Sci** 1983;33 Suppl 1:599–602

Early clinical pharmacological trials with a new anti-epileptic, milacemide, using pharmaco-EEG and psychometry. Saletu B, et al. **Methods Find Exp Clin Pharmacol** 1984 Jun;6(6):317–30

Epilepsy and oral contraceptives. A therapeutic dilemma. Fiol ME, et al. **Minn Med** 1983 Sep;66(9):551–2 (17 ref.)

Synergistic anticonvulsant effects of GABA-T inhibitors and glycine. Seiler N, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 May; 326(1):49–57

A spirohydantoin derivative of dimethoxytetrahydronaphthalene: an experimental anticonvulsant. Alexander GJ, et al. **Neurochem Res** 1984 Apr;9(4):529–33

Effects of some anticonvulsant drugs on brain GABA level and GAD and GABA-T activities. Battistin L, et al. **Neurochem Res** 1984 Feb;9(2):225–31

Interactions of some anaesthetic, convulsant, and anticonvulsant drugs at GABA-benzodiazepine receptor-ionophore complexes in rat brain synaptosomal membranes. Skerritt JH, et al. **Neurochem Res** 1983 Oct; 8(10):1351–62

Effect of carotidian administration of anticonvulsants on experimental epileptogenic foci. Voiculescu V, et al. **Neurol Psychiatr (Bucur)** 1984 Jan–Mar;22(1):3–8

The anticonvulsant effect of opioids and opioid peptides against maximal electroshock seizures in rats. Berman EF, et al. **Neuropharmacology** 1984 Mar;23(3):367–71

Anticonvulsant and proconvulsant properties of a series of structural isomers of piperidine dicarboxylic acid. Croucher MJ, et al. **Neuropharmacology** 1984 Apr;23(4):467–72

Anticonvulsant actions of DS 103-282. Pharmacological studies in rodents and the baboon, Papio papio. De Sarro GB, et al. **Neuropharmacology** 1984 May;23(5):525–30

A TRH analog (DN-1417): motor stimulation with rearing related to catecholaminergic mechanisms in rats. Miyamoto M, et al. **Neuropharmacology** 1984 Jan;23(1):61–72

Suppression of audiogenic seizures in DBA/2 mice by two new dipeptide NMDA receptor antagonists. Jones AW, et al. **Neurosci Lett** 1984 Mar 23;45(2):157–61

GABAergic agents as anticonvulsants in baboons with photosensitive epilepsy. Meldrum B. **Neurosci Lett** 1984 Jun 29;47(3):345–9

Enzyme induction in neonates after fetal exposure to antiepileptic drugs. Rating D, et al. **Pediatr Pharmacol (New York)** 1983;3(3–4):209–18

Anticonvulsant actions of fominoben: possible involvement of benzodiazepine receptors. Baldino F Jr, et al. **Pharmacol Biochem Behav** 1984 Jul;21(1):137–43

Anti-conflict and depressant effects by GABA agonists and antagonists, benzodiazepines and non-gabergic anticonvulsants on self-stimulation and locomotor activity. Herberg LJ, et al. **Pharmacol Biochem Behav** 1983 Oct; 19(4):625–33

Do different anticonvulsant tests provide the same information concerning the profiles of antiepileptic activity? Testa R, et al. **Pharmacol Res Commun** 1983 Sep; 15(8):765–74

Effect of anticonvulsant drugs on thalamo-cortical and hippocampo-cortical self-sustained after-discharges in the rat. Mareš P, et al. **Physiol Bohemoslov** 1984;33(2):179–87

The influence of memantine on the anticonvulsant effects of the antiepileptic drugs. Chojnacka-Wójcik E, et al. **Pol J Pharmacol Pharm** 1983 Nov–Dec;35(6):511–5

Benzodiazepines that bind at peripheral sites inhibit cell proliferation. Wang JK, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(3):753–6

Facilitation of diazepam action by anticonvulsant agents against picrotoxin induced convulsions. Kulkarni SK, et al. **Psychopharmacology (Berlin)** 1983;81(4):332–4

Role of GABAergic systems in the mechanism of action of antiepileptic drugs. Lloyd KG. **Therapie** 1983 Jul–Aug; 38(4):355–62 (35 ref.)

[Enzyme induction by antiepilepsirine in mice and rats] Lou YQ, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Jun;5(2):76–8 (Eng. Abstr.) **(Chi)**

[Influences of seizures, epilepsy and anticonvulsant drugs on the cyclic nucleotides regulation of the central nervous system] Pei YQ. **Sheng Li Ko Hsueh Chin Chan** 1983 Jul; 14(3):269–71 **(Chi)**

[Chemical structure-anticonvulsant activity relationship in beta-substituted cinnamamides] Liu WQ, et al. **Yao Hsueh Hsueh Pao** 1983 Dec;18(12):912–9 (Eng. Abstr.) **(Chi)**

[Mechanism of anticonvulsant effect of propranolol] Yue W, et al. **Yao Hsueh Hsueh Pao** 1984 Jan;19(1):16–20 (Eng. Abstr.) **(Chi)**

[Morphologic image of structures of the limbic system in rats after prolonged administration of antiepileptics] Karkos J. **J Neurol Sci** 1983 Dec;62(1–3):1–11 (Eng. Abstr.) **(Fre)**

[Chemistry and biological activity of 1,3,4-benzotriazepines] Richter P, et al. **Pharmazie** 1984 May;39(5):301–14 **(Ger)**

[Behavioral and electroencephalographic study of 7-chloro-1-methyl-5-phenyl-1 H-1,5-benzodiazepine-2,4-(3H,5H)-dione (clobazam)] Gomita Y, et al. **Nippon Yakurigaku Zasshi** 1983 Oct; 82(4):267–92 (Eng. Abstr.) **(Jpn)**

[Anticonvulsant effects of TRH analog. 3. Prophylactive effects of DN-1417 on kindling model] Morimoto K, et al. **No To Shinkei** 1983 Aug;35(8):787–93 (Eng. Abstr.) **(Jpn)**

[Interaction with cholinergic drugs in reversal of cycloheximide-induced amnesia by thyrotropin-releasing hormone and its analog DN-1417 in mice] Yamazaki N, et al. **Yakubutsu Seishin Kodo** 1983 Dec;3(3):127–36 (Eng. Abstr.) **(Jpn)**

[Calcium metabolism and liver enzyme induction in patients treated with anticonvulsant drugs] Tutor JC, et al. **Med Clin (Barc)** 1984 May 19;82(19):832–5 (Eng. Abstr.) **(Spa)**

POISONING

Effects of ganglionic blockade and adrenalectomy on the cardio-respiratory response to cow's urine concoction in rats. Oyebola DD, et al. **Afr J Med Med Sci** 1984 Mar–Jun; 13(1–2):61–70

Usefulness of enzyme multiplied immunoassay technique (EMIT) in the study of intoxications caused by anticonvulsive drugs. Montoya-Cabrera MA, et al. **Arch Invest Med (Mex)** 1983;14(3):309–16 **(Eng, Spa)**

THERAPEUTIC USE

Postoperative epilepsy in subdural suppurations. Calliauw L, et al. **Acta Neurochir (Wien)** 1984;71(3–4):217–23

The effectiveness of prophylactic anticonvulsants following neurosurgery. Shaw MD, et al. **Acta Neurochir (Wien)** 1983; 69(3–4):253–8

Should alcohol withdrawal seizures be treated with anti-epileptic drugs? Hillbom ME, et al. **Acta Neurol Scand** 1984 Jan;69(1):39–42

The effect of the GABA-agonist, progabide, on benign essential tremor. A controlled clinical trial. Mondrup K, et al. **Acta Neurol Scand** 1983 Oct;68(4):248–52

Practical aspects in the treatment of epilepsy. Abild K, et al. **Acta Neurol Scand [Suppl]** 1983;97:29–40

The effects of various antiepileptic drugs on E-shock-induced amnesia in mice: dissociability of effects on convulsions and effects on memory. Mondadori C, et al. **Acta Neurol Scand [Suppl]** 1984;99:125–9

Comparative study of the anticonvulsive activity of N-aminomethylpiperazine-3,3-diethyl 2,4-pyridinedione with the activity of known antiepileptic agents. Belcheva I, et al. **Acta Physiol Pharmacol Bulg** 1984;10(1):59–63

Epilepsy: current therapeutics. Maddox RR. **Am Pharm** 1984 Apr;NS24(4):33–8

Outcome in neonates with seizures: are chronic anticonvulsants necessary? [letter] Gal P, et al. **Ann Neurol** 1984 Jun;15(6):610–1

Febrile convulsions. Procopis PG. **Aust Fam Physician** 1983 Sep;12(9):699–701

Rationalisation of therapy in severe epilepsy. Roman EJ, et al. **Aust NZ J Med** 1983 Dec;13(6):601–4

Management of epilepsy. Scott AK. **Br Med J [Clin Res]** 1984 Mar 31;288(6422):986–7

Amino acid metabolism in the brain with convulsive disorders. Part 2: The effects of anticonvulsants on convulsions and free amino acid patterns in the brain of El mouse. Honda T. **Brain Dev** 1984;6(1):22–6

Criteria for discontinuing neonatal seizure therapy: a long-term appraisal. Scarpa P, et al. **Brain Dev** 1983; 5(6):541–8

Differential diagnosis and treatment of intractable seizures. Lesser RP, et al. **Cleve Clin Q** 1984 Summer;51(2):227–40

Medical therapy for intractable complex partial seizures. Morris HH 3d, et al. **Cleve Clin Q** 1984 Summer; 51(2):255–60

An overview of therapeutic drug monitoring principles. Pippenger CE, et al. **Cleve Clin Q** 1984 Summer; 51(2):241–54

Antiepileptic Drug Development Program. Porter RJ, et al. **Cleve Clin Q** 1984 Summer;51(2):293–305

Anticonvulsant drugs and chronic pain. Swerdlow M. **Clin Neuropharmacol** 1984;7(1):51–82 (156 ref.)

Anticonvulsant action of fluzinamide (AHR-8559) on kindled amygdaloid seizures. Albertson TE, et al. **Epilepsia** 1984 Aug;25(4):511–7

Treatment of the nonconvulsive epilepsies. Dreifuss FE. **Epilepsia** 1983;24 Suppl 1:S45–54

Effects of long-term antiepileptic therapy on the hypothalamic-pituitary axis in man. Franceschi M, et al. **Epilepsia** 1984 Feb;25(1):46–52

A randomised trial of strategies to improve patient compliance with anticonvulsant therapy. Peterson GM, et al. **Epilepsia** 1984 Aug;25(4):412–7

Treatment of mood disorders with antiepileptic medications: clinical and theoretical implications. Post RM, et al. **Epilepsia** 1983;24 Suppl 2:S97–108 (88 ref.)

IgA in epileptics receiving anticonvulsant therapy. Meissner O, et al. **Eur J Clin Pharmacol** 1983;25(4):491–5

The anticonvulsant effect of the benzodiazepine antagonist, Ro 15-1788: an EEG study in 4 cases. Scollo-Lavizzari G. **Eur Neurol** 1984;23(1):1–6

Evaluation of anticonvulsant drugs in genetic animal models of epilepsy. Löscher W, et al. **Fed Proc** 1984 Feb; 43(2):276–84 (73 ref.)

Recent advances in anticonvulsant management of childhood seizure disorders. Woody RC. **J Arkansas Med Soc** 1984 Feb;80(9):404–7

Structure-activity relationships of phenytoin-like anticonvulsant drugs. Poupaert JH, et al. **J Med Chem** 1984 Jan;27(1):76–8

Plasma arginine vasopressin concentrations in epileptics under monotherapy. Krause KH, et al. **J Neurol** 1983; 230(3):193–6

Evaluation of placental function in women on antiepileptic drugs. Hiilesmaa VK. **J Perinat Med** 1983;11(4):187–92

Disposition of total and unbound prednisolone in renal transplant patients receiving anticonvulsants. Gambertoglio JG, et al. **Kidney Int** 1984 Jan;25(1):119–23

GABA receptor agonists in intention myoclonus [letter] Mondrup K, et al. **Lancet** 1983 Dec 24–31;2(8365–66):1490

Epilepsy. 2. Treatment. Eadie MJ. **Med J Aust** 1984 May 12;140(10):591–5 (34 ref.)

Serum dihydroxyvitamin D metabolite concentrations in patients on chronic anticonvulsant drug therapy: response to pharmacologic doses of vitamin D2. Hahn TJ, et al. **Metab Bone Dis Relat Res** 1983–84;5(1):1–6

Folic acid and vitamin B12 in long-term anticonvulsant therapy. Munoz-Garcia D, et al. **Mt Sinai J Med (NY)** 1983 Nov–Dec;50(6):517–21

Epileptics refractory to anticonvulsants [letter] Elwes RD, et al. **Neurology (NY)** 1984 Feb;34(2):263–4

Epileptics refractory to anticonvulsants [letter] Koren G.

Neurology (NY) 1984 Jan;34(1):136

Progabide as an add-on drug for epilepsy refractory to high dose antiepileptic drug therapy. Schmidt D. **Neurosci Lett** 1984 Jun 29;47(3):357-60

Plasma magnesium and anticonvulsant therapy. Yassa R, et al. **NY State J Med** 1984 Mar;84(3 Pt 1):114-5

Therapeutic effects of GABA-ergic drugs in affective disorders. A preliminary report. Emrich HM, et al. **Pharmacol Biochem Behav** 1983 Aug;19(2):369-72

Anticonvulsant potency of common antiepileptic drugs in the gerbil. Frey HH, et al. **Pharmacology** 1983;27(6):330-5

Specific effects of drugs at pressure: animal investigations. Angel A, et al. **Philos Trans R Soc Lond [Biol]** 1984 Jan 7;304(1118):85-94

Evidence for distinct benzodiazepine receptors for anticonvulsant and sedative actions: implications for the treatment of temporal lobe epilepsy. Robertson HA. **Prog Neuropsychopharmacol Biol Psychiatry** 1983; 7(4-6):637-40

Choosing anticonvulsants. Davidson DL. **Scott Med J** 1983 Oct;28(4):325-7

Elevation of beta-glucuronidase activity in medicated patients with epilepsy. Haidukewych D, et al. **Ther Drug Monit** 1984;6(1):15-9

Prognosis of seizures in medically-treated adolescent and adult Nigerian epileptics. Danesi MA. **Trop Geogr Med** 1983 Dec;35(4):395-9

Studies on the contributive effects of the different constituents of cow's urine concoction in rats (Part I). Oyekan AO, et al. **Trop Geogr Med** 1984 Jun;36(2):193-9

[Anticonvulsive action of 2 new derivatives of 3,3-diethyl-2,4-pyridine diones] Belcheva I, et al. **Eksp Med Morfol** 1984;23(1):17-22 (Eng. Abstr.) **(Bul)**

[Convulsions in children in the first line of health care] Dolanský J. **Cesk Pediatr** 1984 Mar;39(3):161-2 (Eng. Abstr.) **(Cze)**

[Prognosis of febrile convulsions according to age of onset and response to preventive treatment] Gaggero R, et al. **Neuropsychiatr Enfance Adolesc** 1983 Nov-Dec; 31(11-12):545-50 (Eng. Abstr.) **(Fre)**

[Epilepsy in childhood. From the first seizure to termination of drug therapy. General approach and psychological aspects] Deonna T. **Praxis** 1983 Aug 30;72(35):1119-22 (Eng. Abstr.) **(Fre)**

[Epileptic and non-epileptic crises. Diagnostic and therapeutic aspects] Regli F, et al. **Praxis** 1983 Aug 16; 72(33):1073-80 (Eng. Abstr.) **(Fre)**

[How to begin and when to discontinue anti-epilepsy treatment?] Lyon G. **Rev Med Liege** 1984 Mar 15; 39(6):225-31 **(Fre)**

[Antiepileptic drugs in nonepileptic neurological diseases] Cambier J. **Therapie** 1983 Mar-Apr;38(2):193-6 (Eng. Abstr.) **(Fre)**

[Antiepileptic therapy in 1982] Loiseau P. **Therapie** 1983 Mar-Apr;38(2):187-91 (Eng. Abstr.) **(Fre)**

[The driver's license and epilepsy. Possibilities for liberalization?] Spatz R, et al. **MMW** 1983 Nov 4; 125(44):999-1002 (Eng. Abstr.) **(Ger)**

[Interactions among anticonvulsants] Albani M. **Monatsschr Kinderheilkd** 1984 Jun;132(6):369-71 **(Ger)**

[Drug treatment of reading epilepsy] Berendes K, et al. **Nervenarzt** 1983 Aug;54(8):435-6 **(Ger)**

[Relapse prognosis following reduction of drugs in epilepsy treatment] Janz D, et al. **Nervenarzt** 1983 Oct;54(10):525-9 **(Ger)**

[Epilepsy and pregnancy--results of interdisciplinary cooperation] Klepel H, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1984 Feb;36(2):101-6 (Eng. Abstr.) **(Ger)**

[Antiepileptic agents (anticonvulsants)] Beuter W. **Tierarztl Prax** 1983;11(4):521-8 (0 ref.) **(Ger)**

[Drug prevention of traumatic epilepsy. Case report] Hagel KH, et al. **Unfallheilkunde** 1983 Jul;86(7):331-6 (Eng. Abstr.) **(Ger)**

[Drug utilization studies among anti-epileptic agents] Vincze Z. **Acta Pharm Hung** 1983 Jul;53(4):159-66 (Eng. Abstr.) **(Hun)**

[The incidence of postoperative epilepsy and prophylactic anticonvulsants in patients with intracranial aneurysm] Notani M, et al. **No Shinkei Geka** 1984 Mar;12(3 Suppl):269-74 (Eng. Abstr.) **(Jpn)**

[Anticonvulsive drugs in the treatment of epilepsy] Pastor Cruz M, et al. **Med Clin (Barc)** 1983 Sep 24;81(8):362-5 **(Spa)**

TOXICITY

Denzimol, a new anticonvulsant drug. III. Toxicological evaluation. Graziani G, et al. **Arzneimittelforsch** 1983; 33(8):1168-73

Comparative study on the teratogenicity of some antiepileptics in the rat. El-Sayed MG, et al. **East Afr Med J** 1983 Jun;60(6):407-15

The toxic principles in cow's urine concoction (CUC). Adekile AD, et al. **J Trop Pediatr** 1983 Oct;29(5):283-8

Studies on the contributive effects of the different constituents of cow's urine concoction in rats (Part II). Oyekan AO, et al. **Trop Geogr Med** 1984 Jun;36(2):201-6

ANTIDEPRESSIVE AGENTS

The efficacy of carbamazepine in affective illness. Post RM, et al. **Adv Biochem Psychopharmacol** 1984;39:421-37

Peptides in depression. Prange AJ Jr, et al. **Adv Biochem Psychopharmacol** 1984;39:127-45 (106 ref.)

Hypothalamic releasing factor in primary and situational depression. Dekeyser YF. **Int J Neurol** 1980;14(2-4):269-72

Possible antidepressant effect of oral contraceptives: case report. Roy-Byrne P, et al. **J Clin Psychiatry** 1984 Aug; 45(8):350-2

The behavioral effect of salbutamol (a beta-adrenergic receptor stimulant) on reserpine- and propranolol-treated rats. Vardi Y, et al. **J Neurol** 1983;230(1):43-55

Rapid clinical effectiveness of MIF-I in the treatment of major depressive illness. van der Velde CD. **Peptides (Fayetteville)** 1983 May-Jun;4(3):297-300

Antidepressant versus neuroleptic activities of sulpiride isomers on four animal models of depression. Vaccheri A, et al. **Psychopharmacology (Berlin)** 1984;83(1):28-33

Over-the-counter drugs: factors in adult use of sedatives, tranquilizers, and stimulants. Bell R. **Public Health Rep** 1984 May-Jun;99(3):319-23

[Effect of luteoliberin] Soulairac A, et al. **Ann Med Psychol (Paris)** 1983 Sep-Oct;141(8):876-82 **(Fre)**

[Use of benzodiazepines in the treatment of depression] Escande M, et al. **Encephale** 1983;9(4 Suppl 2):273B-277B (19 ref.) (Eng. Abstr.) **(Fre)**

[Antidepressive effects of 3 endogenous monoamines: psychopharmacologic profiles of noradrenaline, octopamine and phenethylamine] Bulach C, et al. **J Pharmacol** 1984 Jan-Mar;15(1):1-15 (Eng. Abstr.) **(Fre)**

[Production of microcapsules containing tofizopam] Dévay A, et al. **Acta Pharm Hung** 1984 Mar;54(2):84-9 (Eng. Abstr.) **(Hun)**

[Patterns of cost and prescriptions in psychochemotherapy. Analysis of variations over a 5-year period] Delucia R, et al. **AMB** 1983 Nov-Dec;29(11-12):191-4 (Eng. Abstr.) **(Por)**

[Effect of SAM in alcoholic patients] Pons Villegas J. **Actas Luso Esp Neurol Psiquiatr** 1983 Sep-Oct;11(5):385-9 (Eng. Abstr.) **(Spa)**

ADMINISTRATION & DOSAGE

Clinical use of antidepressant medications. Wilson JE, et al. **Nebr Med J** 1984 May;69(5):148-53

[Psychotherapy-drugs combined. Clinical case (depression-neurosis)] Fischler B. **Acta Psychiatr Belg** 1984 Jan-Feb;84(1):29-37 (Eng. Abstr.) **(Fre)**

[Antidepressive infusion therapy] Kielholz P, et al. **Schweiz Rundsch Med Prax** 1984 Apr 24;73(17):529-30 **(Ger)**

[Current treatment of depression] Kielholz P. **Ther Umsch** 1983 Sep;40(9):788-96 (41 ref.) (Eng. Abstr.) **(Ger)**

[Effect of chronic administration of antidepressants on the binding of 3H-imipramine with mouse brain synaptic membranes] Rozhanets VV, et al. **Biull Eksp Biol Med** 1983 Dec;96(12):52-5 (Eng. Abstr.) **(Rus)**

[Use of the swimming test for demonstrating antidepressive activity of drugs during single and repeated administration] Rusakov DIu, et al. **Farmakol Toksikol** 1983 Sep-Oct; 46(5):107-11 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Effects of zimeldine and other antidepressants on skilled performance: a comprehensive review. Seppälä T, et al. **Acta Psychiatr Scand [Suppl]** 1983;308:135-40 (38 ref.)

Geriatric psychopharmacology. Pies R. **Am Fam Physician** 1983 Oct;28(4):171-6

Errors in administration of the dexamethasone suppression test [letter] Dewan MJ, et al. **Arch Gen Psychiatry** 1984 Jul;41(7):725-6

Antidepressant withdrawal-induced activation (hypomania and mania): mechanism and theoretical significance. Dilsaver SC, et al. **Brain Res** 1984 Mar;319(1):29-48 (206 ref.)

Seizures with antidepressants: an in vitro technique to assess relative risk. Luchins DJ, et al. **Epilepsia** 1984 Feb; 25(1):25-32

Changed plasma prolactin levels after etoperidone and placebo. Meco G, et al. **Int J Clin Pharmacol Res** 1984; 4(2):117-20

The pharmacological management of depression. Murphy S, et al. **Int Rehabil Med** 1984;6(2):vi-viii

Antidepressant withdrawal-induced activation (hypomania and mania): is withdrawal-induced cholinergic overdrive causally significant? [letter] Dilsaver SC, et al. **J Clin Psychopharmacol** 1984 Jun;4(3):174-5

Sexual dysfunction following antidepressant drug therapy [letter] Fraser AR. **J Clin Psychopharmacol** 1984 Feb; 4(1):62-3

Mania and drug withdrawal [letter] Ostow M. **J Clin Psychopharmacol** 1984 Apr;4(2):118

Narcolepsy, paranoid psychosis, major depression, and tardive dyskinesia. Schrader G, et al. **J Nerv Ment Dis** 1984 Jul;172(7):439-41

The newer antidepressant drugs and their cardiovascular effects. Glassman AH. **Psychopharmacol Bull** 1984 Spring; 20(2):272-9

Side effect potentials of different antipsychotic and antidepressant drugs. Rhoades HM, et al. **Psychopharmacol Bull** 1984 Winter;20(1):83-8

Adverse reactions, toxicities, and drug interactions of newer antidepressants: anticholinergic, sedative, and other side effects. Robinson DS. **Psychopharmacol Bull** 1984 Spring; 20(2):280-90

Sexual side effects of antidepressant drugs. De Leo D, et al. **Psychosomatics** 1983 Dec;24(12):1076-82

[Drug interactions with centrally acting agents. 4: Drug interactions of neuroleptics and antidepressive agents] Estler CJ. **Fortschr Med** 1984 Mar 8;102(9):238-40 **(Ger)**

[Drug interactions of centrally active drugs. 5: Drug interactions of antidepressive agents and lithium] Estler CJ. **Fortschr Med** 1984 Mar 15;102(10):277-80 **(Ger)**

ANALYSIS

[Colloidal association of tri- and tetracyclic antidepressives and neuroleptics. 7. Studies on the thermostability of clopenthixol-di HCl] Thoma K, et al. **Pharm Acta Helv** 1984;59(8):213-5 (Eng. Abstr.) **(Ger)**

BLOOD

Liquid-chromatographic determination of eight tri- and tetracyclic antidepressants and their major active metabolites. Sutfin TA, et al. **Clin Chem** 1984 Mar; 30(3):471-4

Assay for the determination of the tetracyclic antidepressant compound aptazapine in plasma by high-performance liquid chromatography. DeHaas Vermeulen J, et al. **J Chromatogr** 1984 Mar 9;306:412-6

Measurement of 2-amino-N-(1,1-dimethylhexyl)acetamide (A643C), an investigative antidepressant, in plasma by electron-capture gas chromatography. Parsons DN. **J Chromatogr** 1983 Aug 12;276(1):197-201

CHEMICAL SYNTHESIS

New quinolines as potential CNS agents. Sathi G, et al. **Arch Pharm (Weinheim)** 1983 Sep;316(9):767-72

5-phenyl-2-furamidines: a new chemical class of potential antidepressants. Pong SF, et al. **Arzneimittelforsch** 1983; 33(10):1411-6

Newer formazans and tetrazolium indoles as potential CNS-active agents. Sathi G, et al. **Arzneimittelforsch** 1983; 33(9):1218-21

Novel tetracyclic spiropiperidines. 4. Synthesis and pharmacological evaluation of spiro- and 6,7-dihydrospiro[benzo[b]pyrrolo[3,2,1-jk][1,4]benzodiaze (1H),4'-piperidine]s. Glamkowski EJ, et al. **J Med Chem** 1984 Jan;27(1):81-3

cis-1,3,4,6,7,11b-Hexahydro-2-methyl-7-phenyl-2H-pyra isoquinoline: a new atypical antidepressant. Griffith RC, et al. **J Med Chem** 1984 Aug;27(8):995-1003

2,3,4,4a,5,9b-Hexahydro-1H-indeno[1,2-b]pyridines: potential antidepressants. Kunstmann R, et al. **J Med Chem** 1984 Apr;27(4):432-9

Synthetic CNS agents. 1. (+/-)-1,2,3,4,4a,5,10,10a-Octahydro-5;10[1',2'] -benzenobenz[g]isoquinoline hydrochloride. A new, highly potent, potential antidepressant [letter] Rajagopalan P. **J Med Chem** 1984 Aug;27(8):946-7

Synthesis and antidepressant activity of 4-aryltetrahydrothieno[2,3-c]pyridine derivatives. Schneider CS, et al. **J Med Chem** 1984 Sep;27(9):1150-5

Synthesis and pharmacologic assessment of carbamic and carbonic acid esters with 1-aryl-3-dimethylamino-1-propanols. Part 3. Avramova P, et al. **Pharmazie** 1983 Jul;38(7):443-4

METABOLISM

Characterization of the binding of 3H-norzimeldine, a 5-HT uptake inhibitor, to rat brain homogenates. Hall H. **Acta Pharmacol Toxicol (Copenh)** 1984 Jul;55(1):33-40

Specific binding of radiolabelled antidepressants to brain astroglial cells. Whitaker PM, et al. **Adv Biochem Psychopharmacol** 1983;37:477-85

Improved liquid-chromatographic determination of 3-methoxy-4-hydroxyphenylethyleneglycol in urine with electrochemical detection. Shipe JR, et al. **Clin Chem** 1984 Jan;30(1):140-3

Antidepressant binding sites in brain. Slater P. **Clin Sci** 1984 Oct;67(4):369-73 (59 ref.)

Fluvoxamine: metabolic fate in animals. Ruijten HM, et al. **Drug Metab Dispos** 1984 Jan-Feb;12(1):82-92

The metabolic fate of [14C]oxaprotiline.HCl in man. I. Disposition and preliminary pharmacokinetics. Dieterle W, et al. **Xenobiotica** 1984 Apr;14(4):303-10

PHARMACODYNAMICS

Effect of opioids on central serotonin transmission and despair test. Tamborska E, et al. **Acta Med Pol** 1982; 23(1-2):49-62

Attenuation of the post-decapitation convulsions after repeated treatment of rats with desipramine, imipramine and maprotiline. Archer T, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 May;54(5):372-8

Acute effects of atypical antidepressants on various receptors in the rat brain. Hall H, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 May;54(5):379-84

Behavioural and neurochemical studies of the action of atypical antidepressants. Valdman AV, et al. **Acta Physiol Pharmacol Bulg** 1983;9(3):3-10

Current theories on the mode of action of antidepressant drugs. Carlsson A. **Adv Biochem Psychopharmacol** 1984;

39:213–21 (17 ref.)
Effects of antidepressant treatments on 5-HT neurotransmission: electrophysiological and clinical studies. de Montigny C, et al. **Adv Biochem Psychopharmacol** 1984; 39:223–39 (55 ref.)
Central 5-HT neurons as targets for antidepressant drug action: differential modulation of 5-HT receptor populations in the central nervous system of the rat. Fuxe K, et al. **Adv Biochem Psychopharmacol** 1984;39:271–84 (39 ref.)
Antidepressant treatments and regulation of norepinephrine-receptor-coupled adenylate cyclase systems in brain. Sulser F.
Adv Biochem Psychopharmacol 1984;39:249–61 (58 ref.)
Central alpha-adrenoceptors and the mechanisms of action of antidepressant drugs. Svensson TH.
Adv Biochem Psychopharmacol 1984;39:241–8 (51 ref.)
In search of the mode of action of antidepressants: 5-HTP/tyrosine mixtures in depression. van Praag HM.
Adv Biochem Psychopharmacol 1984;39:101–14
Desensitization by antidepressants of central norepinephrine receptor systems coupled to adenylate cyclase. Sulser F, et al. **Ann NY Acad Sci** 1984;430:91–101 (41 ref.)
Effect of 5-hydroxytryptophan on serum cortisol levels in major affective disorders. III. Effect of antidepressants and lithium carbonate. Meltzer HY, et al.
Arch Gen Psychiatry 1984 Apr;41(4):391–7
Effects of a new antidepressant drug on active avoidance behavior in rats. Comparative study with tricyclic antidepressants. Telegdy G, et al.
Arch Int Pharmacodyn Ther 1983 Nov;266(1):50–9
U-43,465F: a triazolobenzodiazepine with pronounced antidepressant-like as well as anxiolytic activities in animals. Von Voigtlander PF, et al.
Arch Int Pharmacodyn Ther 1983 Nov;266(1):60–76
The value of the reserpine test in psychopharmacology. Bourin M, et al. **Arzneimittelforsch** 1983;33(8):1173–6
A comparison of diclofensine and desmethylimipramine using tyramine pressor tests in normal subjects. Jackson SH, et al. **Br J Clin Pharmacol** 1983 Oct;16(4):427–9
Antidepressant treatments: effects in rodents on dose-response curves of 5-hydroxytryptamine- and dopamine-mediated behaviours and 5-HT2 receptor number in frontal cortex. Green AR, et al.
Br J Pharmacol 1983 Oct;80(2):377–85
An increase in sensitivity of rat cingulate cortical neurones to substance P occurs following withdrawal of chronic administration of antidepressant drugs. Jones RS, et al.
Br J Pharmacol 1984 Apr;81(4):659–64
Selective potentiation of noradrenaline in the guinea-pig vas deferens by 2-(4-methylaminobutoxy) diphenylmethane hydrochloride (MCI-2016), a new psychotropic drug. Ohizumi Y, et al. **Br J Pharmacol** 1982 Feb;75(2):377–82
Modulation of rat brain alpha 2- and beta-adrenergic receptor sensitivity following long-term treatment with antidepressants. Asakura M, et al. **Brain Res** 1982 Mar 4; 235(1):192–7
The antidepressant agents desipramine, fluoxetine, fluvoxamine and norzimelidine inhibit uptake of [3H]noradrenaline and [3H]5-hydroxytryptamine in slices of human and rat cortical brain tissue. Harms HH.
Brain Res 1983 Sep 19;275(1):99–104
The effects of indalpine--a selective inhibitor of 5-HT uptake--on rat paradoxical sleep. Kafi-De St Hilaire S, et al. **Eur J Pharmacol** 1984 Mar 2;98(3–4):413–8
Antidepressants are weak competitive antagonists of histamine H2 receptors in dissociated brain tissue. Kanba S, et al. **Eur J Pharmacol** 1983 Oct 28;94(3–4):313–8
Inhibition of in vitro amine uptake into rat brain synaptosomes after in vivo administration of antidepressants. Manias B, et al. **Eur J Pharmacol** 1983 Nov 25;95(3–4):305–9
Cholinergic-dopaminergic interactions and the mechanisms of action of antidepressants. Martin-Iverson MT, et al.
Eur J Pharmacol 1983 Oct 28;94(3–4):193–201
Sensitization of rat forebrain neurons to serotonin by adinazolam, an antidepressant triazolobenzodiazepine. Turmel A, et al. **Eur J Pharmacol** 1984 Mar 23; 99(2–3):241–4
The ability of antidepressant drugs to desensitize beta-receptors is inversely correlated with their clinical potency. Willner P. **J Affective Disord** 1984 Aug;7(1):53–8
Are receptor studies useful for clinical practice? Richelson E. **J Clin Psychiatry** 1983 Sep;44(9 Pt 2):4–9 (26 ref.)
Structure-activity studies on antidepressant 2,2-diarylethylamines. Maryanoff BE, et al.
J Med Chem 1984 Aug;27(8):1067–71
Pyrroloisoquinoline antidepressants. Potent, enantioselective inhibition of tetrabenazine-induced ptosis and neuronal uptake of norepinephrine, dopamine, and serotonin. Maryanoff BE, et al. **J Med Chem** 1984 Aug;27(8):943–6
beta-Adrenergic receptor regulation and antidepressants: the influence of adrenocorticotropin. Enna SJ, et al.
J Neural Transm 1983;57(4):297–307
Effect of destruction of central noradrenergic and serotonergic nerve terminals by systemic neurotoxins on the long-term effects of antidepressants on beta-adrenoceptors and 5-HT2 binding sites in the rat cerebral cortex. Hall H, et al. **J Neural Transm** 1984; 59(1):9–23
Some effects of chronic antidepressant treatments on rat brain monoaminergic systems. Sugrue MF. **J Neural Transm** 1983;57(4):281–95
Biochemical effects of minaprine on striatal dopaminergic neurons in rats. Ferretti P, et al. **J Pharm Pharmacol** 1984 Jan;36(1):48–50
Repeated treatment with antidepressant drugs potentiates the locomotor response to (+)-amphetamine. Maj J, et al.
J Pharm Pharmacol 1984 Feb;36(2):127–30
Effect of bupropion on dopamine and 5-hydroxytryptamine-mediated behaviour in mice. Muley MP, et al. **J Pharm Pharmacol** 1984 Mar;36(3):208–10
Antidepressant drugs with varying pharmacological profiles alter rat pineal beta adrenergic-mediated function. Friedman E, et al. **J Pharmacol Exp Ther** 1984 Mar; 228(3):545–50
Antagonism by antidepressants of neurotransmitter receptors of normal human brain in vitro. Richelson E, et al.
J Pharmacol Exp Ther 1984 Jul;230(1):94–102
Effects of histaminergic drugs on muricide induced by thiamine deficiency. Onodera K, et al. **Jpn J Pharmacol** 1984 Jan;34(1):15–21
Effects of antidepressant drugs on histamine-H1 receptors in the brain. Hall H, et al. **Life Sci** 1984 Feb 6;34(6):597–605
Bupropion: a new antidepressant drug, the mechanism of action of which is not associated with down-regulation of postsynaptic beta-adrenergic, serotonergic (5-HT2), alpha 2-adrenergic, imipramine and dopaminergic receptors in brain. Ferris RM, et al. **Neuropharmacology** 1983 Nov;22(11):1257–67
Daily bupropion injections for 3 weeks attenuate the NE stimulation of adenylate cyclase and the number of beta-adrenergic recognition sites in rat frontal cortex. Gandolfi O, et al. **Neuropharmacology** 1983 Jul;22(7):927–9
Effects of acute and chronic administration of antidepressant drugs on the central cholinergic nervous system. Comparison with anticholinergic drugs. Goldman ME, et al. **Neuropharmacology** 1983 Oct;22(10):1215–22
The behavioural effects of RU 24969, a suggested 5-HT1 receptor agonist in rodents and the effect on the behaviour of treatment with antidepressants. Green AR, et al.
Neuropharmacology 1984 Jun;23(6):655–61
The effects of acute and repeated administration of various antidepressant drugs on clonidine-induced hypoactivity in mice and rats. Heal DJ, et al. **Neuropharmacology** 1983 Aug;22(8):983–92
Pharmacological profile of the antidepressant adinazolam, a triazolobenzodiazepine. Lahti RA, et al.
Neuropharmacology 1983 Nov;22(11):1277–82
Pharmacological studies on the antagonism by antidepressants of the hypothermia induced by apomorphine. Menon MK, et al. **Neuropharmacology** 1984 Feb;23(2A):121–7
Presynaptic alpha 2- and postsynaptic beta-adrenoceptor sensitivity in slices of rat neocortex after chronic treatment with various antidepressant drugs. Schoffelmeer AN, et al. **Neuropharmacology** 1984 Feb;23(2A):115–9
Effects of antidepressants on the EEG of the rat. Krijzer F, et al. **Neuropsychobiology** 1983;9(2–3):167–73
Experimental basis for the antidepressant action of the GABA receptor agonist progabide. Bartholini G.
Neurosci Lett 1984 Jun 29;47(3):351–5
The effects of antidepressants on aggressiveness induced by social deprivation in mice. Delini-Stula A, et al.
Pharmacol Biochem Behav 1981;14 Suppl 1:33–41
Antidepressants and opiates interactions: pharmacological and biochemical evidences. Baraldi M, et al.
Pharmacol Res Commun 1983 Oct;15(9):843–57
A comparative pharmacological study of trazodone, etoperidone and 1-(m-chlorophenyl)piperazine. Cioli V, et al. **Pharmacol Res Commun** 1984 Jan;16(1):85–100
Activity of desipramine, fluoxetine and nomifensine on spontaneous and p-CPA-induced muricidal aggression. Kostowski W, et al. **Pharmacol Res Commun** 1984 Mar; 16(3):265–71
Adenylate cyclase and the search for new compounds with the clinical profile of lithium. Belmaker RH.
Pharmacopsychiatry 1984 Jan;17(1):9–15
Salivation after single-doses of the new antidepressants femoxetine, mianserin and citalopram. A cross-over study. Clemmesen L, et al. **Pharmacopsychiatry** 1984 Jul; 17(4):126–32
Complex action of antidepressant treatment on central adrenergic system: possible relevance to clinical effects. Vetulani J. **Pharmacopsychiatry** 1984 Jan;17(1):16–21
Studies on the participation of the dopaminergic system in the central effects of chronically administered antidepressant drugs. Kozyrska C, et al.
Pol J Pharmacol Pharm 1983;35(2):115–26
Central effects following repeated treatment with antidepressant drugs. Maj J. **Pol J Pharmacol Pharm** 1984 Mar-Jun;36(2–3):87–99 (50 ref.)
Antidepressant properties of some phosphodiesterase inhibitors. Przegaliński E, et al. **Pol J Pharmacol Pharm** 1983 May-Jun;35(3):233–40
Studies on the neurochemical basis of action of antidepressant drugs and electroconvulsive treatment. Vetulani J.
Pol J Pharmacol Pharm 1984 Mar-Jun;36(2–3):101–15 (100 ref.)
Alpha up-beta down adrenergic regulation: a possible mechanism of action of antidepressant treatments. Vetulani J, et al. **Pol J Pharmacol Pharm** 1984 Mar-Jun; 36(2–3):231–48
Effects of chronic antidepressant treatment on pre- and post-synaptic dopaminergic mechanisms. A short review of the literature and some complementary experiments. Waldmeier PC. **Pol J Pharmacol Pharm** 1984 Mar-Jun; 36(2–3):201–16 (54 ref.)
The discovery of antidepressant drugs by computer-analyzed human cerebral bio-electrical potentials (CEEG). Itil TM.
Prog Neurobiol 1983;20(3–4):185–249 (139 ref.)
Pharmacology of new antidepressants. Leonard BE.
Prog Neuropsychopharmacol Biol Psychiatry 1984; 8(1):97–108
Common mechanism of action of biochemically 'specific' antidepressants. Potter WZ, et al.
Prog Neuropsychopharmacol Biol Psychiatry 1984; 8(1):153–61
The effects of antidepressant drugs on adenylyl cyclase linked beta adrenergic binding sites on mouse astrocytes in primary cultures. Richardson JS, et al.
Prog Neuropsychopharmacol Biol Psychiatry 1983; 7(4–6):675–80
Psychiatric drugs and the somatosensory P400 wave. Josiassen RC, et al. **Psychiatry Res** 1984 Feb;11(2):151–62
Studies on brain noradrenergic neurons in animal model for antidepressive activity. Kostowski W, et al.
Psychopharmacol Bull 1984 Spring;20(2):320–2
The newer antidepressants: structures, pharmacokinetics, pharmacodynamics, and proposed mechanisms of action. Richelson E. **Psychopharmacol Bull** 1984 Spring; 20(2):213–23
Deamplification of noradrenergic signal transfer by antidepressants: a unified catecholamine-serotonin hypothesis of affective disorders. Sulser F.
Psychopharmacol Bull 1983;19(3):300–4
Effects of carbamazepine and anti-depressant drugs on endogenous catecholamine levels in the cerebroventricular compartment of the rat. Kowalik S, et al.
Psychopharmacology (Berlin) 1984;83(2):169–71
The effect of chronic treatment with antidepressant drugs on salbutamol-induced hypoactivity in rats. Przegaliński E, et al. **Psychopharmacology (Berlin)** 1983;80(4):355–9
Antagonism by tomoxetine of the depletion of norepinephrine and epinephrine in rat brain by alpha-methyl-m-tyrosine. Fuller RW, et al. **Res Commun Chem Pathol Pharmacol** 1983 Jul;41(1):169–72
Pineal aryl acylamidase: effects of melatonin, serotonin-related compounds, beta-carbolines, RO4-4602 and antidepressants. Hsu LL.
Res Commun Chem Pathol Pharmacol 1984 Feb; 43(2):223–34
Effect of 3-(2-morpholinoethylamino)-4-methyl-6-phenyl pyridazine dihydrochloride (minaprine) on plasma cortisone levels of physostigmine treated rats. Laborit H, et al. **Res Commun Chem Pathol Pharmacol** 1984 Apr; 44(1):63–7
Hypotheses concerning the mechanism of action of antidepressant drugs. Maj J, et al.
Rev Physiol Biochem Pharmacol 1984;100:1–74 (300 ref.)
[Effect of the preparations lonetil and adepren on local cerebral blood flow] Vlakhov V, et al.
Eksp Med Morfol 1983;22(2):84–7 (Eng. Abstr.) **(Bul)**
[Anticholinergic action of neuroleptics and antidepressives on the guinea pig ileum. Comparison with atropine and pirenzepine] Alvarez Gonzalez FJ, et al. **J Pharmacol** 1984 Apr-Jun;15(2):177–84 (Eng. Abstr.) **(Fre)**
[Computer assisted echocardiography functional diagnosis. The question of inotropic effect of antidepressive drugs and ethanol] Wester HA. **Fortschr Med** 1983 Nov 17; 101(43):1985–90 (Eng. Abstr.) **(Ger)**
[Antiserotonergic effect of antidepressives in L-5-HTP-induced head shaking behavior in the rat] Fischer W, et al. **Pharmazie** 1984 Apr;39(4):277–8 **(Ger)**
[Effect of antidepressive agents on serotonin secretion and membrane potential changes in thrombocytes] Pogady J. **Psychiatr Neurol Med Psychol (Leipz)** 1983 Jun;35(6):353–6 (Eng. Abstr.) **(Ger)**
[Effects of 4-(o-benzylphenoxy)-N-methylbutylamine hydrochloride (MCI-2016) on monamine metabolism in the brain] Egawa M, et al. **Nippon Yakurigaku Zasshi** 1983 Nov;82(5):351–60 (Eng. Abstr.) **(Jpn)**
[Relation of the effect of psychostimulants on learning ability to internal and external factors] Belozertsev IuA.
Biull Eksp Biol Med 1984 Jan;97(1):53–5 (Eng. Abstr.) **(Rus)**
[Analysis of acute and chronic effects of antidepressive agents in a learned helplessness model in mice] Rusakov DIu, et al. **Biull Eksp Biol Med** 1983 Nov;96(11):62–4 (Eng. Abstr.) **(Rus)**
[Characteristic pharmacological properties of a number of antidepressants in repeated administration] Andreeva NI, et al. **Farmakol Toksikol** 1984 Mar-Apr;47(2):19–23 (Eng. Abstr.) **(Rus)**
[Selective inhibition by pyrazidol of monoamine oxidase type A in different human and animal tissues] Verevkina IV, et al. **Vopr Med Khim** 1983 Sep-Oct;29(5):118–23 (Eng. Abstr.) **(Rus)**
[Mechanism of action of antidepressive drugs] Sánchez García P. **An R Acad Nac Med (Madr)** 1983;100(3):515–20 **(Spa)**
[Effect of antidepressant drugs on the contraction of the isolated rat ileum induced by CaCl2] Puche E, et al.
Arch Farmacol Toxicol 1983 Dec;9(3):251–6 (Eng. Abstr.) **(Spa)**

POISONING

Convulsive attacks due to antidepressant drug overdoses: case reports and discussion. Flechter S, et al. **Gen Hosp Psychiatry** 1983 Sep;5(3):217–21

[Emergency treatment in acute, minaprine poisoning (letter)] Bertrand J, et al. **Presse Med** 1983 Sep 24;12(33):2057 **(Fre)**

STANDARDS

Novel antidepressants: problems in evaluation. Coppen A. **Adv Biochem Psychopharmacol** 1984;39:289–92

THERAPEUTIC USE

Strategies for the testing of antidepressants: trials and tribulations. An overview. Coppen A. **Acta Psychiatr Scand [Suppl]** 1983;308:27–30

New concepts in the management of depression—possibilities with a non-sedative antidepressant. Lapierre YD. **Acta Psychiatr Scand [Suppl]** 1983;308:167–70

Tryptophan and tyrosine availability: relation to clinical response to antidepressive pharmacotherapy. Møller SE, et al. **Adv Biochem Psychopharmacol** 1984;39:319–26 (21 ref.)

Heterocyclic antidepressants in nonpsychiatric disorders. Siomopoulos V, et al. **Am Fam Physician** 1984 Mar; 29(3):203–8

A double-blind study of bupropion and placebo in depression. Feighner JP, et al. **Am J Psychiatry** 1984 Apr; 141(4):525–9

Antidepressants for depressed schizophrenic patients [letter] Siris SG. **Am J Psychiatry** 1983 Dec;140(12):1649–50

The TRH test and thyroid hormone in refractory depression [letter] Targum SD, et al. **Am J Psychiatry** 1984 Mar; 141(3):463

The role of antidepressants in the treatment of affective disorders. Blaine JD, et al. **Am J Psychother** 1983 Oct; 37(4):502–20 (80 ref.)

Serotonergic function in the affective disorders: the effect of antidepressants and lithium on the 5-hydroxytryptophan-induced increase in serum cortisol. Meltzer HY. **Ann NY Acad Sci** 1984;430:115–37 (88 ref.)

Lithium carbonate augmentation of antidepressant treatment. An effective prescription for treatment-refractory depression. Heninger GR, et al. **Arch Gen Psychiatry** 1983 Dec;40(12):1335–42

Five antidepressant treatments in depressed patients. Effects on urinary serotonin and 5-hydroxyindoleacetic acid output. Linnoila M, et al. **Arch Gen Psychiatry** 1984 Jul; 41(7):688–92

Duration of antidepressant drug treatment. What is an adequate trial? Quitkin FM, et al. **Arch Gen Psychiatry** 1984 Mar;41(3):238–45

Identification of true drug response to antidepressants. Use of pattern analysis. Quitkin FM, et al. **Arch Gen Psychiatry** 1984 Aug;41(8):782–6

Treatment of depression in general practice. Derham H. **Aust Fam Physician** 1983 Oct;12(10):710–3

Antidepressants: 1983. Pougher J. **Aust Fam Physician** 1983 Oct;12(10):744–8

Antidepressant medication in the treatment of agoraphobia: a critical review. Telch MJ, et al. **Behav Res Ther** 1983; 21(5):505–17 (52 ref.)

Neuropsychological test performance in depressed patients before and after drug therapy. Fromm D, et al. **Biol Psychiatry** 1984 Jan;19(1):55–72

Lateral ventricular size, psychopathology, and medication response in the psychoses. Luchins DJ, et al. **Biol Psychiatry** 1984 Jan;19(1):29–44

Are there anticompulsive or antiphobic drugs? Review of the evidence. Marks I. **Br J Psychiatry** 1983 Oct;143:338–47 (32 ref.)

Dopamine and depression: a review of recent evidence. III. The effects of antidepressant treatments. Willner P. **Brain Res** 1983 Dec;287(3):237–46 (120 ref.)

Use of psychostimulants in medically ill patients with neurological disease and major depression. Kaufmann MW, et al. **Can J Psychiatry** 1984 Feb;29(1):46–9

Strategies for the drug treatment of depression. Cooper AJ, et al. **Can Med Assoc J** 1984 Feb 15;130(4):383–90

Antidepressants in chronic pain. Walsh TD. **Clin Neuropharmacol** 1983;6(4):271–95 (197 ref.)

Review of bupropion. Bryant SG, et al. **Clin Pharm** 1983 Nov-Dec;2(6):525–37 (43 ref.)

Psychopharmacologic and behavioral approaches to chronic arthritic pain. Zorumski CF, et al. **Compr Ther** 1984 Aug; 10(8):35–9

Alprazolam: a review of its pharmacodynamic properties and efficacy in the treatment of anxiety and depression. Dawson GW, et al. **Drugs** 1984 Feb;27(2):132–47 (96 ref.)

Therapeutic effects of antidepressants in chronic pain. France RD, et al. **Gen Hosp Psychiatry** 1984 Jan;6(1):55–63

Antidepressant treatment of bulimia: the relationship between bingeing and depressive symptomatology. Brotman AW, et al. **J Clin Psychiatry** 1984 Jan;45(1):7–9

Dexamethasone suppression test and treatment response. Gitlin MJ, et al. **J Clin Psychiatry** 1984 Sep;45(9):387–9

Bupropion in the treatment of psychotic depression: two case reports. Manberg PJ, et al. **J Clin Psychiatry** 1984 May; 45(5):230–1

Biologic markers and antidepressant response. Ostrow DG, et al. **J Clin Psychiatry** 1983 Sep;44(9 Pt 2):10–3

Thyroid hormone and the TRH stimulation test in refractory depression. Targum SD, et al. **J Clin Psychiatry** 1984 Aug; 45(8):345–6

Combining lithium and antidepressants. Jefferson JW, et al. **J Clin Psychopharmacol** 1983 Oct;3(5):303–7

Antidepressant treatment of bulimia: preliminary experience and practical recommendations. Pope HG Jr, et al. **J Clin Psychopharmacol** 1983 Oct;3(5):274–81 (47 ref.)

Plasma levels of catecholamines and dihydroxyphenylglycol during antidepressant drug treatment. Robinson DS, et al. **J Clin Psychopharmacol** 1983 Oct;3(5):282–7

A meta-analysis of psychotherapy and drug therapy in the treatment of unipolar depression with adults. Steinbrueck SM, et al. **J Consult Clin Psychol** 1983 Dec;51(6):856–63

Standard and newly-available antidepressant drug treatments. Lippmann S. **J Ky Med Assoc** 1983 Sep; 81(9):687–92

Drugs and exposure treatment in phobic and obsessive-compulsive disorders [editorial] Marks I. **J R Soc Med** 1984 Jul;77(7):539–40

Antidepressant activity of S-adenosylmethionine [letter] Caruso I, et al. **Lancet** 1984 Apr 21;1(8382):904

Antidepressants: a clinical update for medical practitioners. Richardson JW 3d, et al. **Mayo Clin Proc** 1984 May; 59(5):330–7 (81 ref.)

Therapeutic efficacy and tolerance of diclofensine in psychoreactive depression—a double-blind comparison with placebo. Omer OL, et al. **Methods Find Exp Clin Pharmacol** 1984 Mar;6(3):147–51

Chronic antidepressant therapy and associated changes in central monoaminergic receptor functioning. Sugrue MF. **Pharmacol Ther** 1983;21(1):1–33 (282 ref.)

Multimethodological approach in psychiatric predictor research. Woggon B, et al. **Pharmacopsychiatria** 1983 Nov; 16(6):175–8

A placebo-controlled study of the antidepressant activity of moclobemide, a new MAO-A inhibitor. Casacchia M, et al. **Pharmacopsychiatry** 1984 Jul;17(4):122–5

The arbitrariness of response definition in clinical trials with antidepressants. Fähndrich E. **Pharmacopsychiatry** 1984 Jul; 17(4):107–8

Circadian rhythm, depression, antidepressants, single dose. Herrmann L. **Pharmacopsychiatry** 1984 May;17(3):69–70

Evaluation of bupropion hydrochloride: the first of a new class of atypical antidepressants. Preskorn SH, et al. **Pharmacotherapy** 1984 Jan-Feb;4(1):20–34 (40 ref.)

Alprazolam in bipolar-I depressions. Rush AJ, et al. **Pharmacotherapy** 1984 Jan-Feb;4(1):40–2

Cation fluxes in erythrocytes of patients with endogenous depression in the course of treatment with antidepressant drugs. Rybakowski J, et al. **Pol J Pharmacol Pharm** 1982 Nov-Dec;34(5-6):295–301

Depression after stroke: a hospital treatment survey. Lim ML, et al. **Postgrad Med J** 1983 Aug;59(694):489–91

Pharmacology of new antidepressants. Leonard BE. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(1):97–108

Changes in the drug treatment of anxiety disorders. Pohl R, et al. **Psychopathology** 1984;17 Suppl 1:6–14 (40 ref.)

Antidepressant treatment of the pain-prone disorder. Blumer D, et al. **Psychopharmacol Bull** 1984 Summer;20(3):531–5

Antidepressant drugs. Gada MT, et al. **Psychopharmacol Bull** 1984 Winter;20(1):180–4

New antidepressant drugs: a clinical perspective. Gelenberg AJ. **Psychopharmacol Bull** 1984 Spring;20(2):291–4

A double-blind clinical trial of fluvoxamine and imipramine in patients with primary depression. Guy W, et al. **Psychopharmacol Bull** 1984 Winter;20(1):73–8

Gender, depressive subtypes, and gender-age effects on antidepressant response: hormonal hypotheses. Hamilton JA, et al. **Psychopharmacol Bull** 1984 Summer;20(3):475–80

Antidepressant drug therapy: a historical perspective. Klerman GL. **Psychopharmacol Bull** 1984 Spring; 20(2):211–2

Speed of onset of action of the newer antidepressants. Lydiard RB, et al. **Psychopharmacol Bull** 1984 Spring; 20(2):258–71

Research and methodological issues for evaluating the therapeutic effectiveness of antidepressant drugs. Prien RF, et al. **Psychopharmacol Bull** 1984 Spring;20(2):250–7

An early phase II clinical trial of tomoxetine (LY139603) in the treatment of newly admitted depressed patients. Chouinard G, et al. **Psychopharmacology (Berlin)** 1984; 83(1):126–8

Alaproclate—an open clinical study in depressive illness. Frost SJ, et al. **Psychopharmacology (Berlin)** 1984; 83(3):285–7

Amoxapine and amitriptyline. I. Relative speed of antidepressant action. McNair DM, et al. **Psychopharmacology (Berlin)** 1984;83(2):129–33

Antidepressant selection in the elderly. Gerner RH. **Psychosomatics** 1984 Jul;25(7):528–35

Treatment of bulimia with antidepressants: theoretical considerations and clinical findings. Hudson JI, et al. **Res Publ Assoc Res Nerv Ment Dis** 1984;62:259–73

Depression and its pharmacological management. Hart GA. **S Afr Med J** 1984 May 19;65(20):811–4

[Lonetil and emovit—effect on an experimental model of a neurosis-like state in the rat] Danchev N, et al. **Eksp Med Morfol** 1983;22(4):9–15 (Eng. Abstr.) **(Bul)**

[Topical questions of practical pharmacotherapy with antidepressives (observations from the past)] Ceśková E. **Cesk Psychiatr** 1983 Oct;79(5):333–8 (Eng. Abstr.) **(Cze)**

[Antidepressive agents in current use . Action and antidepressive effect] Gjerris A. **Ugeskr Laeger** 1984 Jan 9;146(2):123–7 **(Dan)**

[Psychotherapy-drugs combined. Mixed psychotherapeutic-chemotherapeutic treatment. Countertransference aspects] Fraschina B. **Acta Psychiatr Belg** 1984 Jan-Feb;84(1):50–64 (Eng. Abstr.) **(Fre)**

[Obsessions and mood: apropos of 43 cases of obsessive neurosis treated with antidepressive chemotherapy and electroshock] Dubois JC. **Ann Med Psychol (Paris)** 1984 Jan;142(1):141–51 **(Fre)**

[Target symptoms in the utilization of antidepressants] Tatarelli R, et al. **Encephale** 1984;10(1):29–32 (35 ref.) (Eng. Abstr.) **(Fre)**

[Ambulatory treatment of depressions without tranquilizers] Ikonomoff SI. **MMW** 1983 Sep 2;125(35):749–50 **(Ger)**

[Review of antidepressive agents] Matussek N, et al. **MMW** 1984 Feb 24;126(8):133–4 **(Ger)**

[Biochemical, pharmacologic and psychophysiologic studies for the optimization of drug therapy in depressive illnesses] Gaertner HJ, et al. **Nervenarzt** 1984 Mar;55(3):133–6 **(Ger)**

[Long-term treatment of patients in neurological practices with antidepressive agents] Schüssler G, et al. **Nervenarzt** 1984 Mar;55(3):137–42 **(Ger)**

[Therapy with neuroleptics and antidepressive agents: a fundamental and critical discussion from a biological viewpoint] Langer G. **Wien Klin Wochenschr** 1983 Jul 8; 95(14):474–8 (Eng. Abstr.) **(Ger)**

[Effects of 2-(4-methylaminobutoxy) diphenylmethane hydrochloride (MCI-2016), an omega-aminoalkoxybenzene derivative, on the gastric lesions induced by conditioned emotional stimulus] Gomita Y, et al. **Nippon Yakurigaku Zasshi** 1983 May;81(5):323–31 (Eng. Abstr.) **(Jpn)**

[Anti-anoxic effect of 4-(o-benzlphenoxy)-N-methylbutylamine hydrochloride (MCI-2016)] Tobe A, et al. **Nippon Yakurigaku Zasshi** 1983 May;81(5):421–9 (Eng. Abstr.) **(Jpn)**

[Prediction of resistance of depression to drug therapy by diagnostic scales] Kurihara M, et al. **Seishin Shinkeigaku Zasshi** 1983;85(9):627–31 **(Jpn)**

[Therapy and clinical course of emotional disorders] Mori O, et al. **Seishin Shinkeigaku Zasshi** 1983;85(9):631–5 **(Jpn)**

[Antidepressive agents] Kostowski W, et al. **Wiad Lek** 1984 Jan 15;37(2):159–62 **(Pol)**

[Effects of antidepressants in different populations] Vartanian FE. **Farmakol Toksikol** 1984 Jan-Feb;47(1):13–7 (Eng. Abstr.) **(Rus)**

[Endocrine response to thyroliberin administration in duodenal ulcer] Ivanikov IO, et al. **Lab Delo** 1984;(2):94–6 (Eng. Abstr.) **(Rus)**

[Experimental and clinical characteristics of the Soviet antidepressant inkasan] Mashkovskiĭ MD, et al. **Zh Nevropatol Psikhiatr** 1984;84(3):410–3 (Eng. Abstr.) **(Rus)**

[Clinical evaluation of the antidepressive action of sulfoadenosyl-L-methionine compared with that of chlorimipramine] Giner Ubago J, et al. **Actas Luso Esp Neurol Psiquiatr** 1984 Jan-Feb;12(1):73–80 (Eng. Abstr.) **(Spa)**

[Compliance with the prescription in patients with depressive disorders] Souto M, et al. **Actas Luso Esp Neurol Psiquiatr** 1983 May-Jun;11(3):241–4 (Eng. Abstr.) **(Spa)**

[Treating the depressed patient with drugs] Bernal y del Río V. **Bol Asoc Med PR** 1983 Mar;75(3):118–20 **(Spa)**

[Psychotropic drugs in internal medicine. I. Antidepressants] de la Fuente JR. **Rev Invest Clin** 1983 Jul-Sep;35(3):247–56 (30 ref.) (Eng. Abstr.) **(Spa)**

TOXICITY

Comparative animal studies on cardiovascular toxicity of tri- and tetracyclic antidepressants and citalopram; relation to drug plasma levels. Boeck V, et al. **Psychopharmacology (Berlin)** 1984;82(4):275–81

Assessment of the anticholinergic effects of antidepressants in a single-dose cross-over study of salivation and plasma levels. Clemmesen L, et al. **Psychopharmacology (Berlin)** 1984;82(4):348–54

URINE

Screening procedure for detection of antidepressants and their metabolites in urine using a computerized gas chromatographic—mass spectrometric technique. Maurer H, et al. **J Chromatogr** 1984 Feb 10;305(2):309–23

The metabolic fate of [14C]oxaprotiline.HCl in man. II. Isolation and identification of metabolites. Dieterle W, et al. **Xenobiotica** 1984 Apr;14(4):311–9

ANTIDEPRESSIVE AGENTS, TRICYCLIC

ADVERSE EFFECTS

The problems of safety and compliance with conventional antidepressant drugs. Lader M. **Acta Psychiatr Scand [Suppl]** 1983;308:91–5

Adverse effects of tricyclic antidepressants: focus on the elderly. Glassman AH, et al.
Adv Biochem Psychopharmacol 1984;39:391–8 (26 ref.)
Tricyclic–induced akathisia in patients taking conjugated estrogens. Krishnan KR, et al. **Am J Psychiatry** 1984 May; 141(5):696–7
Hyponatremia due to antidepressant medications. Abbott R. **Ann Emerg Med** 1983 Nov;12(11):708–10
Antidepressant withdrawal phenomena. Dilsaver SC, et al. **Biol Psychiatry** 1984 Feb;19(2):237–56 (78 ref.)
Antidepressants and heart disease [editorial] Orme ML. **Br Med J [Clin Res]** 1984 Jul 7;289(6436):1–2
Tricyclic anti–depressants and the heart. Padmakumar P, et al. **J Assoc Physicians India** 1983 Sep;31(9):593–6
Aerophagia and depression: case report. D'Mello D. **J Clin Psychiatry** 1983 Oct;44(10):387–8
Epilepsy, antidepressants, and the role of nomifensine. Trimble MR. **J Clin Psychiatry** 1984 Apr;45(4 Pt 2):39–42 (23 ref.)
Antidepressant withdrawal syndromes: evidence for supersensitivity of cholinergic system as an etiologic factor [letter] Dilsaver SC, et al. **J Clin Psychopharmacol** 1983 Oct;3(5):330
Cardiac irritability, tricyclic antidepressants, and electroconvulsive therapy [letter] Raskin DE. **J Clin Psychopharmacol** 1984 Aug;4(4):237–8
Tricyclic antidepressant overdose. Goldberg MJ. **J Iowa Med Soc** 1983 Aug;73(8):320–3 (14 ref.)
Clinical and experimental aspects of interactions between amine oxidase inhibitors and amine re–uptake inhibitors. Marley E, et al. **Psychol Med** 1983 Nov;13(4):735–49
Cardiomyopathy associated with tricyclic antidepressants. Howland JS, et al. **South Med J** 1983 Nov;76(11):1455–6
[The safety of Tolvon (letter)] Hermans RB.
Ned Tijdschr Geneeskd 1983 Nov 26;127(48):2203 **(Dut)**
[Myocardiopathies and tricyclic antidepressants. Apropos of 3 cases] Nizak J, et al. **Arch Mal Coeur** 1983 Nov; 76(11):1302–5 (Eng. Abstr.) **(Fre)**
[Recurrent, transient brain stem symptoms with tricyclic antidepressants] Dizinger HG, et al. **Nervenarzt** 1983 Sep; 54(9):486–8 **(Ger)**
[Amineptin. Description of a case of acute iatrogenic hepatopathy] Viarengo E, et al. **Minerva Psichiatr** 1983 Oct–Dec;24(4):163–7 (Eng. Abstr.) **(Ita)**

ANALYSIS

[Determination of tricyclic antidepressives and neuroleptics in tablets using HPLC] Thoma K, et al.
Arch Pharm (Weinheim) 1984 Feb;317(2):133–6 (Eng. Abstr.) **(Ger)**

BLOOD

Plasma level monitoring of antidepressants: theoretical basis and clinical application. Gram LF, et al.
Adv Biochem Psychopharmacol 1984;39:399–411 (67 ref.)
Monitoring tricyclic antidepressant plasma levels. Sato TL, et al. **Am Fam Physician** 1984 May;29(5):199–202
Postmortem blood concentrations of parent tricyclic antidepressant (TCA) drugs in 11 cases of suicide. Hanzlick RL. **Am J Forensic Med Pathol** 1984 Mar;5(1):11–3
Gas chromatographic routine analysis of five tricyclic antidepressants in plasma. Corona GL, et al.
J Chromatogr 1983 Oct 14;277:347–51
Reliability of measurements of tricyclic levels [letter] Bank RL. **JAMA** 1984 Apr 13;251(14):1833
Liquid chromatographic separation of antidepressant drugs: I. Tricyclics. Beierle FA, et al. **Ther Drug Monit** 1983; 5(3):279–92
Blood level measurement of psychoactive drugs in pediatric psychiatry. Gualtieri CT, et al. **Ther Drug Monit** 1984; 6(2):127–41 (129 ref.)

CHEMICAL SYNTHESIS

Cyclizing compounds. V. Tertiary haloalkylamine derivatives related to the tricyclic psychopharmacological agents promazine, imipramine and amitriptyline. Holmberg B, et al. **Acta Pharm Suec** 1984;21(1):31–42
Basic derivatives of
5–benzoyl–10,11–dihydro–5H–dibenz[b,f]azepine. Valenti P, et al. **Arch Pharm (Weinheim)** 1983 Dec;316(12):1018–23

METABOLISM

Active metabolites of antidepressants: pharmacodynamics and relevant pharmacokinetics. Potter WZ, et al.
Adv Biochem Psychopharmacol 1984;39:373–90
Apparent nonlinear kinetics of secondary–amine tricyclic antidepressants [letter] Spigelman AD, et al. **Clin Pharm** 1983 Nov–Dec;2(6):508–10

PHARMACODYNAMICS

Pharmacological properties of tricyclic antidepressants and the treatment of somatic disorders [letter] Kanba S, et al. **Am J Psychiatry** 1984 May;141(5):724
Cardiovascular effects of tricyclic antidepressants. Glassman AH. **Annu Rev Med** 1984;35:503–11 (40 ref.)
Effects of a new antidepressant drug on active avoidance behavior in rats. Comparative study with tricyclic antidepressants. Telegdy G, et al.
Arch Int Pharmacodyn Ther 1983 Nov;266(1):50–9
Induction of drug–metabolizing enzymes by tricyclic antidepressants in human liver: characterization and partial resolution of cytochromes P–450. Cresteil T, et al.
Br J Clin Pharmacol 1983 Dec;16(6):651–7
Changes in amphetamine–induced anorexia and stereotypy during chronic treatment with antidepressant drugs. Willner P, et al. **Eur J Pharmacol** 1984 Mar 2; 98(3–4):397–406
Effects of amitriptyline, desipramine and mianserin on noradrenergic transmission in the rat isolated right ventricle. Bradley L, et al. **J Auton Pharmacol** 1983 Dec; 3(4):287–95
Tricyclic antidepressants risks and benefits [letter] Decina P, et al. **J Clin Psychopharmacol** 1983 Dec;3(6):389
Effect of tricyclic antidepressant drugs on lymphocyte membrane structure. Audus KL, et al.
J Immunopharmacol 1984;6(1–2):105–32
No correlation exists between antidepressant activity and the ability of 5–HT uptake inhibitors to interact with 5–HT receptors of the rat stomach fundus strip. Pawłowski L, et al. **J Pharm Pharmacol** 1984 Jun;36(6):386–90
Interactions of a non–selective monoamine oxidase inhibitor, phenelzine, with inhibitors of 5–hydroxytryptamine, dopamine or noradrenaline re–uptake. Marley E, et al.
J Psychiatr Res 1984;18(2):173–89
Interactions of non–selective monoamine oxidase inhibitors, tranylcypromine and nialamide, with inhibitors of 5–hydroxytryptamine, dopamine or noradrenaline re–uptake. Marley E, et al. **J Psychiatr Res** 1984; 18(2):191–203
The difference in the site of actions of tricyclic antidepressants and methamphetamine on the duration of the immobility in the behavioral despair test. Araki H, et al. **Jpn J Pharmacol** 1984 May;35(1):67–72
Unusual acute effects of antidepressants and neuroleptics on S2–serotonergic receptors. Helmeste DM, et al. **Life Sci** 1983 Dec 19;33(25):2527–33
Rapid down–regulation of serotonin2 receptor binding during combined administration of tricyclic antidepressant drugs and alpha 2 antagonists. Crews FT, et al.
Neuropharmacology 1983 Oct;22(10):1203–9
Effects of norepinephrine and serotonin uptake inhibitors on the schedule–controlled behavior of the pigeon. Leander JD, et al. **Pharmacol Biochem Behav** 1984 Mar;20(3):391–5
Phenytoin: similarity to tricyclic antidepressants. Schechter MD, et al. **Pharmacol Biochem Behav** 1983 Sep;19(3):415–7
Antagonism by tricyclic antidepressants of reserpine–induced hypothermia in mice. Involvement of postsynaptic alpha 2–adrenoceptors. Przegaliński E, et al.
Pol J Pharmacol Pharm 1983;35(4):309–17
Central molecular aspects of tricyclic antidepressant drug action. Korf J. **Rev Pure Appl Pharmacol Sci** 1983 Apr–Jun; 4(2):139–212 (336 ref.)
Mechanism and management of important psychotherapeutic drug interactions. Birkhimer LJ, et al. **South Med J** 1984 Apr;77(4):465–9
[Effects of thymo–analeptics and acceptability of amineptin compared to those of imipramine] Ropert R, et al.
Encephale 1982;8(3):389–403 (Eng. Abstr.) **(Fre)**
[Tricyclic antidepressants and MAO inhibitors: how they affect local dental anesthesia] Perotti R, et al.
Minerva Stomatol 1983 Nov–Dec;32(6):919–24 (Eng. Abstr.) **(Ita)**
[Changes in visual evoked potentials induced by tricyclic antidepressants in patients with endogenous depression] Nakayama S. **Nippon Ika Daigaku Zasshi** 1983 Dec; 50(6):876–89 (Eng. Abstr.) **(Jpn)**
[Pressor response to the stimulation of peripheral sympathetic nerves and the posterior hypothalamus in the presence of tricyclic antidepressive agents and nomifensine in dogs] Cicardo VH, et al. **Acta Physiol Lat Am** 1982;32(4):287–93 (Eng. Abstr.) **(Spa)**
[Effect of tricyclic antidepressants on automatism induced in the isolated rat ventricle: comparison of adrenergic beta–blockers and calcium antagonists] Laorden ML, et al. **Arch Farmacol Toxicol** 1983 Dec;9(3):243–50 (Eng. Abstr.) **(Spa)**
[Anticholinergic activity of neuroleptics and antidepressants in guinea pig intestine stimulated electrically] Casas González MT, et al. **Arch Neurobiol (Madr)** 1983 Mar–Apr; 46(2):123–6 (Eng. Abstr.) **(Spa)**

POISONING

Toxicology notes. Brooks JW Jr, et al. **Ala J Med Sci** 1984 Apr;21(2):185–9
Prevention of cardiovascular and renal complications in tricyclic–drug overdose [letter] Shepherd KE.
Arch Intern Med 1984 Feb;144(2):413–4
The importance of pH and blood gas monitoring after overdoses of tricyclic antidepressants [letter] Buckley BM, et al. **Br Med J [Clin Res]** 1984 Jul 21;289(6438):185
Clinical and pharmacological considerations in elimination of tricyclic antidepressants and metabolites after overdose. Kuhn WF, et al. **J Clin Psychopharmacol** 1984 Jun; 4(3):158–60
Effect of respiratory alkalosis in tricyclic antidepressant overdose. Bessen HA, et al. **West J Med** 1983 Sep; 139(3):373–6
[Poisoning with tricyclic antidepressive agents. Admissions to a poison treatment center in 1980] Bjaeldager PA, et al. **Ugeskr Laeger** 1984 Jan 16;146(3):185–8 (Eng. Abstr.) **(Dan)**
[Intensive surveillance in poisoning caused by tricyclic antidepressive agents] Frei A, et al.
Schweiz Med Wochenschr 1983 Aug 20;113(33):1138–40 (Eng. Abstr.) **(Ger)**
[The clinico–electroencephalographic picture in acute poisoning with tricyclic antidepressive drugs]
Sinczuk–Walczak H, et al. **Przegl Lek** 1983;40(9):693–6 (Eng. Abstr.) **(Pol)**
[Electrocardiographic changes in severe acute poisonings with barbiturates, benzodiazepines, and tricyclic antidepressives] Monteis Catot J, et al. **Rev Clin Esp** 1983 Jun 15–30;169(5–6):347–51 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

Prediction of response to antidepressive pharmacotherapy. Till E, et al. **Acta Med Ingosl** 1984;38(2):79–88
Clinical pharmacology of antidepressant drugs: pharmacogenetics. Sjöqvist F, et al.
Adv Biochem Psychopharmacol 1984;39:359–72 (32 ref.)
Tricyclics for children with cancer [letter] Huessy HR.
Am J Psychiatry 1984 Mar;141(3):472
Lithium carbonate addition in tricyclic antidepressant–resistant unipolar depression. Correlations with the neurobiologic actions of tricyclic antidepressant drugs and lithium ion on the serotonin system. de Montigny C, et al. **Arch Gen Psychiatry** 1983 Dec;40(12):1327–34
Right cerebral hemispheric dysfunction [letter] Brumback RA, et al. **Arch Neurol** 1984 Mar;41(3):248–50
Agents with tricyclic structures for treating peptic ulcer disease. Berardi RR, et al. **Clin Pharm** 1983 Sep–Oct; 2(5):425–31 (47 ref.)
Drug therapy in borderline patients. Cole JO, et al.
Compr Psychiatry 1984 May–Jun;25(3):249–54
Tricyclic antidepressants in treatment of the elderly. Hall RC, et al. **Geriatrics** 1984 Apr;39(4):81–3, 86–8, 90 passim
Clinical effects of abrupt withdrawal from tri–cyclic antidepressants and monoamine oxidase inhibitors after long–term treatment. Tyrer P. **J Affective Disord** 1984 Feb; 6(1):1–7
Triazolam treatment of insomnia in depressed patients taking tricyclics. Cohn JB. **J Clin Psychiatry** 1983 Nov; 44(11):401–6
Tricyclic use in the cognitively impaired elderly. Cole JO, et al. **J Clin Psychiatry** 1983 Sep;44(9 Pt 2):14–9 (51 ref.)
Neuroendocrine dysfunction and response to tricyclic antidepressants. Kirstein L. **J Clin Psychiatry** 1984 Sep; 45(9):385–6
Combined use of tricyclic antidepressants and monoamine oxidase inhibitors. Lader M. **J Clin Psychiatry** 1983 Sep; 44(9 Pt 2):20–4 (35 ref.)
Differential response patterns to MAO inhibitors and tricyclics. Nies A. **J Clin Psychiatry** 1984 Jul;45(7 Pt 2):70–7
Controversies in antidepressant therapy. Schatzberg AF.
J Clin Psychiatry 1983 Sep;44(9 Pt 2):29–30
Tricyclic antidepressants in the treatment of insomnia. Ware JC. **J Clin Psychiatry** 1983 Sep;44(9 Pt 2):25–8 (37 ref.)
The combined use of MAOIs and tricyclics. White K, et al. **J Clin Psychiatry** 1984 Jul;45(7 Pt 2):67–9
The coming generation of antidepressant therapy. Hooper JF. **J SC Med Assoc** 1983 Sep;79(9):471–3
Recognition of depressive syndromes, tricyclics, and the second generation antidepressants. Tollefson G, et al.
Minn Med 1984 Jun;67(6):345–50
Therapeutic drug monitoring of psychotropic drugs in children. Morselli PL, et al.
Pediatr Pharmacol (New York) 1983;3(3–4):149–56
Prescribing practices and knowledge of tricyclic antidepressants among physicians caring for children. Rauber A, et al. **Pediatrics** 1984 Jan;73(1):107–9
Use of tricyclic medications in children [letter] Woody RC, et al. **Pediatrics** 1984 Sep;74(3):444–5
Panic disorder: response to sodium lactate, and treatment with antidepressants. Rifkin A. **Psychopharmacol Bull** 1983; 19(3):432–4
Abnormalities in the primary affective disorders compared to other tricyclic–responsive disorders. Siever LJ, et al.
Psychopharmacol Bull 1983;19(3):435–6
[Extensive multicentric study of 1354 cases of depressed subjects treated with amineptin] Deniker P, et al.
Encephale 1982;8(3):355–70 (Eng. Abstr.) **(Fre)**
[Amineptine versus imipramine. Double–blind controlled study] Oules J, et al. **Presse Med** 1983 Oct 15;12(36):2243–6 (Eng. Abstr.) **(Fre)**
[Symptomatology of circular depression and prediction of the efficacy of treatment with tricyclic antidepressants] Zaitsev SG, et al. **Zh Nevropatol Psikhiatr** 1983; 83(8):1198–1205 (Eng. Abstr.) **(Rus)**

TOXICITY

Cardiovascular effects of zimelidine and tricyclic antidepressants in conscious rats. Forsberg T, et al.
Acta Pharmacol Toxicol (Copenh) 1983 Sep;53(3):223–9

ANTIDIABETICS see HYPOGLYCEMIC AGENTS

ANTIDIARRHEALS

ADMINISTRATION & DOSAGE

Tincture of opium [letter] Schoen AM. **N Engl J Med** 1984 Apr 26;310(17):1124

ADVERSE EFFECTS

Side effects of a traditional indigenous drug-Kutaja (Holarrhena antidysenterica) [letter] Chaturvedi GN, et al. **Indian J Physiol Pharmacol** 1983 Jul-Sep;27(3):255-6

[Ileus following the use of loperamide (Imodium) (letter)] **Ned Tijdschr Geneeskd** 1983 Dec 31;127(53):2437-8 **(Dut)**

[Ileus following the use of loperamide (Imodium) (letter)] Jaecques N. **Ned Tijdschr Geneeskd** 1984 Jan 14;128(2):84-5 **(Dut)**

[Ileus following the use of loperamide (Imodium)] Slee GL, et al. **Ned Tijdschr Geneeskd** 1983 Oct 1;127(40):1821-2 (Eng. Abstr.) **(Dut)**

PHARMACODYNAMICS

Sulfamethoxazole-trimethoprim-resistant Shigella flexneri in northeastern Brazil. Tiemens KM, et al. **Antimicrob Agents Chemother** 1984 May;25(5):653-4

Mechanism of the antidiarrheal effect of loperamide. Schiller LR, et al. **Gastroenterology** 1984 Jun;86(6):1475-80

POISONING

Paregoric intoxication with pulmonary edema in infancy. Rice TB. **Clin Pediatr (Phila)** 1984 Feb;23(2):101-3

THERAPEUTIC USE

Management of acute diarrhea. Gertler S, et al. **J Clin Gastroenterol** 1983 Dec;5(6):523-34 (107 ref.)

Epidemiology of travelers' diarrhea [letter] Allard R. **JAMA** 1984 Mar 2;251(9):1161-2

[Effect of traditional Chinese antidiarrheals in treating acute infantile gastroenteritis and its effect on intestinal absorption] Ni ZY. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Mar;4(3):154-6 (Eng. Abstr.) **(Chi)**

[Antisecretory agents of the intestinal mucosa. Toward a pharmacologic treatment of acute diarrheas?] Hautefeuille M, et al. **Gastroenterol Clin Biol** 1984 May;8(5):436-43 **(Fre)**

[Clinical effectiveness of difenoxine in patients with acute and chronic diarrhea] Innocenti P, et al. **Boll Chim Farm** 1983 Dec;122(12):64S-68S (Eng. Abstr.) **(Ita)**

[Lidamidine. Treatment of staphylococcal food poisoning] Heredia Díaz JG, et al. **Salud Publica Mex** 1983 Jul-Aug; 25(4):367-71 (Eng. Abstr.) **(Spa)**

ANTIDIURETIC HORMONE, INAPPROPRIATE SECRETION see **INAPPROPRIATE ADH SYNDROME**

ANTIDIURETIC HORMONES see **VASOPRESSINS**

ANTIDOTES

see related
CHELATING AGENTS
CHOLINESTERASE REACTIVATORS

The effect of monoacetin and calcium chloride on acid-base balance and survival in experimental sodium fluoroacetate poisoning. Taitelman U, et al. **Arch Toxicol [Suppl]** 1983; 6:222-7

On the toxic effects of tetraethyl lead and its derivatives on the chrysophyte Poterioochromonas malhamensis. IV. Influence of lead antidotes and related agents. Röderer G. **Chem Biol Interact** 1983 Sep 1;46(2):247-54

DMSA, DMPS, and DMPA--as arsenic antidotes. Aposhian HV, et al. **Fundam Appl Toxicol** 1984 Apr;4(2 Pt 2):S58-70

Ferrocene-carbamate as prophylaxis against soman poisoning. Karlsson N, et al. **Fundam Appl Toxicol** 1984 Apr;4(2 Pt 2):S184-9

Quantitative structure-activity relationships and possible mechanisms of action of bispyridinium oximes as antidotes against pinacolyl methylphosphonofluoridate. Su CT, et al. **Fundam Appl Toxicol** 1983 Jul-Aug;3(4):271-7

Effective treatment of verapamil intoxication with 4-aminopyridine in the cat. Agoston S, et al. **J Clin Invest** 1984 May;73(5):1291-6

Stroma-free methemoglobin solution as an antidote for cyanide poisoning: a preliminary study. Ten Eyck RP, et al. **J Toxicol Clin Toxicol** 1983-84;21(3):343-58

Effect of chlorpromazine on cyanide intoxication. Kong A, et al. **Toxicol Appl Pharmacol** 1983 Dec;71(3):407-13

[Trial of cholinesterase reactivators as proserine antagonists] Prozorovskii VB, et al. **Biull Eksp Biol Med** 1983 Oct; 96(10):66-8 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Efficiency of a composite treatment for mixed fission products in rats. Kostial K, et al. **J Appl Toxicol** 1983 Dec; 3(6):291-6

[Antidotes: possible classification of anti-digitalis antibodies] Milletti M, et al. **G Clin Med** 1983 Dec;64(12):579-82 (Eng. Abstr.) **(Ita)**

ANALYSIS

[Polarographic determination of PAM-2Cl in pharmaceutical preparations] Korićanac Z, et al. **Vojnosanit Pregl** 1983 May-Jun;40(3):168-70 (Eng. Abstr.) **(Scr)**

CHEMICAL SYNTHESIS

Chelation therapy for methylmercury(II) poisoning. Synthesis and determination of solubility properties of MeHg(II) complexes of thiol and dithiol antidotes. Arnold AP, et al. **J Inorg Biochem** 1983 Dec;19(4):319-27

PHARMACODYNAMICS

Studies on the effect of 4-methylpyrazole on retinal activity in the methanol poisoned monkey by recording the electroretinogram. Ingemansson SO. **Acta Ophthalmol [Suppl] (Copenh)** 1983;158:1-24

Sodium thiosulfate inhibits cis-diamminedichloroplatinum (II) activity. Uozumi J, et al. **Cancer Chemother Pharmacol** 1984;13(2):82-5

Reactivation of VX-inhibited cholinesterase by 2-PAM and HS-6 in rats. Harris LW, et al. **Drug Chem Toxicol** 1983; 6(3):235-40

Protection with butylated hydroxytoluene and other compounds against intoxication and mortality caused by hexachlorophene. Hanig JP, et al. **Food Chem Toxicol** 1984 Mar;22(3):185-9

PAM-2 Cl, HI-6, and HGG-12 in soman and tabun poisoning. Bošković B, et al. **Fundam Appl Toxicol** 1984 Apr;4(2 Pt 2):S106-15

Efficacy of mono- and bis-pyridinium oximes versus soman, sarin and tabun poisoning in mice. Clement JG. **Fundam Appl Toxicol** 1983 Nov-Dec;3(6):533-5

Recent perspectives on the toxicodynamic basis of cyanide antagonism. Way JL, et al. **Fundam Appl Toxicol** 1984 Apr; 4(2 Pt 2):S231-9 (69 ref.)

Cyanide antagonism. Way JL. **Fundam Appl Toxicol** 1983 Sep-Oct;3(5):383-6 (26 ref.)

New simulators in the prophylaxis against soman poisoning: structural specificity for the depot site(s). Van Helden HP, et al. **J Pharm Pharmacol** 1984 May;36(5):305-8

Chelate antidotes for sodium vanadate and vanadyl sulfate intoxication in mice. Jones MM, et al. **J Toxicol Environ Health** 1983 Oct-Dec;12(4-6):749-56

In vivo screening of potential antidotes for chronic cadmium intoxication. Shinobu LA, et al. **J Toxicol Environ Health** 1983 Oct-Dec;12(4-6):757-65

Effects of dimercaprol or thioctic acid on the distribution and excretion of Na374AsO3 injected subcutaneously in rats. Tsutsumi S, et al. **J Toxicol Sci** 1983 Aug;8(3):197-203

Brain neuronal RNA metabolism during acute soman toxication: effects of antidotal pretreatments. Doebler JA, et al. **Neurochem Res** 1983 Aug;8(8):997-1011

The effect of sodium diethanolamine dithiocarbamate on distribution and excretion of Cd in rats drinking Cd-containing water. Cikrt M, et al. **Res Commun Chem Pathol Pharmacol** 1984 Mar; 43(3):497-505

Evaluation of antidotes against the acute cardiovascular toxicity of propranolol. Strubelt O. **Toxicology** 1984 Jun; 31(3-4):261-70

[Adsorption of antidotes by carbon hemosorbents] Burushkina TN, et al. **Vrach Delo** 1984 Feb;(2):72-5 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Sodium N-methyl-D-glucamine dithiocarbamate and cadmium intoxication. Shinobu LA, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Mar;54(3):189-94

Structure-activity relationships among dithiocarbamate antidotes for acute cadmium chloride intoxication. Jones SG, et al. **Environ Health Perspect** 1984 Mar;54:285-90

Treatment of cyanide poisoning with 4-dimethylaminophenol (DMAP)--experimental and clinical overview. Weger NP. **Fundam Appl Toxicol** 1983 Sep-Oct;3(5):387-96 (46 ref.)

Cyanide poisoning. Birse GS. **J Am Osteopath Assoc** 1984 Jul;83(11):811-5

Possible antidotes in severe intoxication with fenitrothion in rats. Matsubara T, et al. **J Pharmacobiodyn** 1983 Oct; 6(10):699-707

The effect of alcohol on the toxicity of acetaminophen in mice. Banda PW, et al. **Res Commun Chem Pathol Pharmacol** 1984 Jan; 43(1):127-38

[Treatment of severe digitalis intoxication with digoxin antibody] Ye ZC. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1983 Dec; 11(4):242-5 (Eng. Abstr.) **(Chi)**

[N-Acetylcysteine as an antidote in accidental acrylonitrile poisoning] Buchter A, et al. **Int Arch Occup Environ Health** 1984;53(4):311-9 (Eng. Abstr.) **(Ger)**

[Digitalis antidote] **Naturwissenschaften** 1984 Apr;71(4):208 **(Ger)**

[Cyanide poisoning] Kläui H, et al. **Schweiz Med Wochenschr** 1984 Jul 10;114(27-28):983-9 (Eng. Abstr.) **(Ger)**

[A case of cyanide poisoning] Melloni C, et al. **Minerva Anestesiol** 1983 Sep;49(9):527-30 (Eng. Abstr.) **(Ita)**

[Acute poisoning in children. II.] Popescu V, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1984 Apr-Jun; 33(2):97-143 (Eng. Abstr.) **(Rum)**

[Antitoxic action of cobamamide in experimental hepatitis] Tebenchuk GM, et al. **Farmakol Toksikol** 1984 May-Jun; 47(3):87-90 (Eng. Abstr.) **(Rus)**

[Thiol compounds in the combined therapy of prozerin poisonings] Trinus FP, et al. **Farmakol Toksikol** 1983 Nov-Dec;46(6):67-9 (Eng. Abstr.) **(Rus)**

[Effect of the sulfate ion on the course of yellow phosphorus poisoning in an experiment] Lukashev AA, et al. **Gig Tr Prof Zabol** 1983 Dec;(12):48-50 **(Rus)**

[Therapeutic and prophylactic action of glutamic acid in inhalational poisoning by inorganic fluorine compounds] Shugaev VA. **Gig Tr Prof Zabol** 1983 Dec;(12):26-9 (Eng. Abstr.) **(Rus)**

[Treatment of poisoning: antidotes and antagonists] López-Martín G, et al. **Bol Med Hosp Infant Mex** 1983 Sep;40(9):523-6 (Eng. Abstr.) **(Spa)**

TOXICITY

A toxicology program for evaluating the safety of a chemical warfare decontaminant. Hayes AW, et al. **Fundam Appl Toxicol** 1984 Apr;4(2 Pt 2):S145-9

ANTIDROMIC POTENTIALS see **EVOKED POTENTIALS**

ANTIEMETICS

Antiemetic efficacy of droperidol and metoclopramide. Cohen SE, et al. **Anesthesiology** 1984 Jan;60(1):67-9

Antiemetic efficacy of high-dose dexamethasone in induction therapy in acute nonlymphocytic leukemia. Cassileth PA, et al. **Ann Intern Med** 1984 May;100(5):701-2

Antiemetic therapy: a review of recent studies and a report of a random assignment trial comparing metoclopramide with delta-9-tetrahydrocannabinol. Gralla RJ, et al. **Cancer Treat Rep** 1984 Jan;68(1):163-72

Antiemetic effect of perphenazine versus prochlorperazine intravenously before cisplatin therapy. Smaglia RA, et al. **Clin Pharm** 1984 Jan-Feb;3(1):68-71

[Effect of CDDP administration on NK activity of human peripheral lymphocytes and its modification by corticosteroid as anti-emetic agent] Takahashi K, et al. **Gan To Kagaku Ryoho** 1984 Mar;11(3):492-6 (Eng. Abstr.) **(Jpn)**

ADMINISTRATION & DOSAGE

Recent advances in the pharmacologic and behavioral management of chemotherapy-induced emesis. Stoudemire A, et al. **Arch Intern Med** 1984 May;144(5):1029-33 (37 ref.)

Drug therapy questions and answers. **Colo Med** 1983 Oct; 80(10):287-90

Double-blind crossover study of the antiemetic efficacy of high-dose dexamethasone versus high-dose metoclopramide. Aapro MS, et al. **J Clin Oncol** 1984 May; 2(5):466-71

Paradoxical effects of prophylactic phenothiazine antiemetics in children receiving chemotherapy. Zeltzer L, et al. **J Clin Oncol** 1984 Aug;2(8):930-6

[Transdermal scopolamine for postoperative vomiting: a new form of premedication?] Waldvogel HH. **Anasth Intensivther Notfallmed** 1983 Oct;18(5):258-60 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Nausea and vomiting of pregnancy [editorial] **Am Fam Physician** 1983 Oct;28(4):120

Bendectin: a case of mourning sickness. Hays DP. **Drug Intell Clin Pharm** 1983 Nov;17(11):826-7

Bendectin and pyloric stenosis. **FDA Drug Bull** 1983 Aug; 13(2):14-5

Life-threatening reactions after pedodontic sedation: an assessment of narcotic, local anesthetic, and antiemetic drug interaction. Goodson JM, et al. **J Am Dent Assoc** 1983 Aug;107(2):239-45

Debendox is not thalidomide [editorial] **Lancet** 1984 Jul 28; 2(8396):205-6

The innocent bystander. Doxylamine/dicyclomine/pyridoxine and congenital limb defects. McCredie J, et al. **Med J Aust** 1984 Apr 28; 140(9):525-7

Possible association of use of bendectin during early pregnancy and congenital lung hypoplasia [letter] Grodofsky MP, et al. **N Engl J Med** 1984 Sep 13; 311(11):732

DIAGNOSTIC USE

Acute effects of natural and synthetic cannabis compounds on prolactin levels in human males. Mendelson JH, et al. **Pharmacol Biochem Behav** 1984 Jan;20(1):103-6

PHARMACODYNAMICS

Pharmacology of gastric motility. Willems JL, et al. **Acta Gastroenterol Belg** 1982 Nov-Dec;45(11-12):471-5

Cannabinoids and hCG levels in patients with testicular cancer [letter] Hogan P, et al. **Lancet** 1983 Nov 12; 2(8359):1144

THERAPEUTIC USE

The antiemetic effect of droperidol following outpatient strabismus surgery in children. Abramowitz MD, et al. **Anesthesiology** 1983 Dec;59(6):579-83

Anti-emetic efficacy and toxicity of nabilone, a synthetic cannabinoid, in lung cancer chemotherapy. Ahmedzai S,

et al. **Br J Cancer** 1983 Nov;48(5):657–63

Antiemetics. Stoneham J, et al. **Br J Hosp Med** 1984 May; 31(5):354–9

Anaesthesia and emesis. II: Prevention and management. Palazzo MG, et al. **Can Anaesth Soc J** 1984 Jul;31(4):407–15 (52 ref.)

Randomized crossover study of the antiemetic activity of levonantradol and metoclopramide in cancer patients receiving chemotherapy. Heim ME, et al. **Cancer Chemother Pharmacol** 1984;13(2):123–5

An initial evaluation of Nabilone in the control of radiotherapy-induced nausea and vomiting. Priestman TJ, et al. **Clin Radiol** 1984 Jul;35(4):265–6

Nabilone and high-dose metoclopramide: anti-emetics for cancer chemotherapy. **Drug Ther Bull** 1984 Feb 10; 22(3):9–11

A randomised multicentre single blind comparison of a cannabinoid anti-emetic (levonantradol) with chlorpromazine in patients receiving their first cytotoxic chemotherapy. Hutcheon AW, et al. **Eur J Cancer Clin Oncol** 1983 Aug;19(8):1087–90

Prevention of radiation emesis in dogs by combinations of drugs. Mattsson JL, et al. **Int J Radiat Oncol Biol Phys** 1984 Jul;10(7):1067–72

Adrenocorticotropic hormone in the prevention of cisplatin-induced nausea and vomiting. Colbert N, et al. **J Clin Oncol** 1983 Oct;1(10):635–9

Methodologic issues in trials of antiemetics. Pater JL, et al. **J Clin Oncol** 1984 May;2(5):484–7

Double-blind multiple-dose crossover study of the antiemetic effect of intramuscular levonantradol compared to prochlorperazine. Sheidler VR, et al. **J Clin Pharmacol** 1984 Apr;24(4):155–9

Diagnostic puzzle due to cherry-flavoured medicine [letter] Storr J. **Lancet** 1984 Jan 7;1(8367):45

Antiemetic efficacy of dexamethasone. Randomized, double-blind, crossover study with prochlorperazine in patients receiving cancer chemotherapy. Markman M, et al. **N Engl J Med** 1984 Aug 30;311(9):549–52

Tetrahydrocannabinol vs. prochlorperazine. The effects of two antiemetics on patients undergoing radiotherapy. Ungerleider JT, et al. **Radiology** 1984 Feb;150(2):598–9

[Randomized comparative trial of a new anti-emetic: nabilone, in cancer patients treated with cisplatin] George M, et al. **Biomed Pharmacother** 1983;37(1):24–7 (Eng. Abstr.) **(Fre)**

[Phase I study of alizapride in cancer patients treated with cisplatin] Nicaise C, et al. **Sem Hop Paris** 1983 Sep 8; 59(31):2161–5 (Eng. Abstr.) **(Fre)**

[Alizapride in a double-blind trial with metoclopramide in nausea and vomiting caused by radiotherapy] Budach V, et al. **Fortschr Med** 1983 Oct 20;101(39):1792–4 (Eng. Abstr.) **(Ger)**

[New aspects in the antiemetic therapy of cytostatic drug-induced vomiting] Hiller E, et al. **Klin Wochenschr** 1984 May 15;62(10):441–5 (Eng. Abstr.) **(Ger)**

[Prevention of cytostatic-induced vomiting. High-dosage metoclopramide versus an antiemetic combination in a controlled comparison] Ell C, et al. **Med Welt** 1983 Sep 2;34(35):945–8 **(Ger)**

[A marihuana component for nausea and vomiting induced by chemo- and radiotherapy] Gez E, et al. **Harefuah** 1983 Nov 15;105(10):306–8 (Eng. Abstr.) **(Heb)**

TOXICITY

Debendox: a statement from the New Zealand Adverse Drug Reactions Committee [letter] Maling TJ. **NZ Med J** 1984 Mar 28;97(752):203–4

ANTIEPILEPTIC AGENTS see **ANTICONVULSANTS**

ANTIESTROGENS see **ESTROGEN ANTAGONISTS**

ANTIFIBRILLATORY AGENTS see **ANTI-ARRHYTHMIA AGENTS**

ANTIFIBRINOLYSINS see **ANTIFIBRINOLYTIC AGENTS**

ANTIFIBRINOLYTIC AGENTS

ADMINISTRATION & DOSAGE

[Intrathecal administration of antifibrinolytics in subarachnoid hemorrhage] Leška P, et al. **Cesk Neurol Neurochir** 1983 Nov;46(6):411–2 **(Cze)**

ADVERSE EFFECTS

Antifibrinolytics: ischemia may offset control [news] Check WA. **JAMA** 1984 Aug 3;252(5):595, 597

[Complications during subarachnoid hemorrhage in relation to antifibrinolytic treatment] Kadaňka Z, et al. **Cesk Neurol Neurochir** 1984 May;47(3):164–8 (Eng. Abstr.) **(Cze)**

ISOLATION & PURIFICATION

Multiple molecular forms of acid-stable plasmin inhibitor derived from human urinary trypsin inhibitor. Sumi H, et al. **Enzyme** 1983;30(4):252–8

PHARMACODYNAMICS

Chemical control of hyperfibrinolytic states by synthetic inhibitors of fibrinolytic enzymes. Markwardt F, et al. **Biomed Biochim Acta** 1983;42(6):725–30

The effect of antifibrinolytic agents on the healing of modified Widman flaps in monkeys. Bergenholtz A, et al. **J Periodont Res** 1984 Mar;19(2):210–13

RADIATION EFFECTS

Radiation injury in rat lung. III. Plasminogen activator and fibrinolytic inhibitor activities. Ts'ao CH, et al. **Radiat Res** 1983 Nov;96(2):301–8

THERAPEUTIC USE

Prevention of peritoneal adhesion formation by fibrin sealant. An experimental study in rats. Lindenberg S, et al. **Ann Chir Gynaecol** 1984;73(1):11–3

Antifibrinolytic therapy in the acute period following aneurysmal subarachnoid hemorrhage. Preliminary observations from the Cooperative Aneurysm Study. Kassell NF, et al. **J Neurosurg** 1984 Aug;61(2):225–30

Cimetidine—an antifibrinolytic agent? Helgstrand U. **Scand J Gastroenterol** 1983 Mar;18(2):317–9

[Anticoagulant and antifibrinolytic medication in ophthalmology] Cristea E, et al. **Rev Chir [Oftalmol]** 1983 Jul–Sep;27(3):215–22 (Eng. Abstr.) **(Rum)**

ANTIFOAMING AGENTS see under **SURFACE-ACTIVE AGENTS**

ANTIFUNGAL AGENTS

see related

FUNGICIDES, INDUSTRIAL

Bacteriostatic and fungostatic action of catecholamide iron chelators. Bergeron RJ, et al. **Antimicrob Agents Chemother** 1983 Nov;24(5):725–30

Antimycotic activity of some amino acids against dermatophytes. Pandey DK, et al. **Arzneimittelforsch** 1984; 34(5):554–6

The antifungal activity of stilbene derivative. Inamori Y, et al. **Chem Pharm Bull (Tokyo)** 1984 Feb;32(2):801–4

Terconazole – a new broad-spectrum antifungal. Van Cutsem J, et al. **Chemotherapy** 1983;29(5):322–31

Physiological activity of warburganal and its reactivity with sulfhydryl groups. Taniguchi M, et al. **J Biochem (Tokyo)** 1983 Jul;94(1):149–54

In-vitro evaluation of the anticandidiasis activity of honey distillate (HY-1) compared with that of some antimycotic agents. Obaseiki-Ebor EE, et al. **J Pharm Pharmacol** 1984 Apr;36(4):283–4

Interaction of rifampin with other antifungal agents in experimental murine candidiasis. Graybill JR, et al. **Rev Infect Dis** 1983 Jul–Aug;5 Suppl 3:S620–5

Antimicrobial activity of the mineral imi-ojo dudu in Nigeria. Elegbe IA. **Trop Doct** 1984 Jul;14(3):119–21

[3-substituted derivatives of 5-methylisoxazole with antiparasitic effects] Sváb A, et al. **Cesk Farm** 1983 Dec; 32(9–10):316–22 (Eng. Abstr.) **(Cze)**

[Antifungal activity of higher plants: action of 39 indigenous plants on 4 phytopathogenic fungi] Abraham C, et al. **Ann Pharm Fr** 1983;41(3):251–60 (Eng. Abstr.) **(Fre)**

[Chemical stability of antimycotic imidazole-dibenzoyl peroxide mixtures in various galenic bases] Gartz JE. **Pharmazie** 1984 Apr;39(4):276–7 **(Ger)**

[Chemotherapeutic activity of newly synthesized N-aminoimidazoles and N-arylidene-aminoimidazoles. Preliminary note] Cocco MT, et al. **G Ital Chemioter** 1984 Jan–Aug;31(1–2):33–6 **(Ita)**

ADMINISTRATION & DOSAGE

Treatment of cutaneous candidiasis: a double blind, parallel comparison of sulconazole nitrate 1% cream and clotrimazole 1% cream. Rajan VS, et al. **Australas J Dermatol** 1983 Apr;24(1):33–6

Liposomal amphotericin B is toxic to fungal cells but not to mammalian cells. Mehta R, et al. **Biochim Biophys Acta** 1984 Mar 14;770(2):230–4

Efficacy of antifungal agents in the cornea. II. Influence of corticosteroids. O'Day DM, et al. **Invest Ophthalmol Vis Sci** 1984 Mar;25(3):331–5

New topical antifungal drugs. **Med Lett Drugs Ther** 1983 Oct 28;25(647):98–100

A single-blind comparison of oral and intravaginal treatments in acute and recurrent vaginal candidosis in general practice. Miller PI, et al. **Pharmatherapeutica** 1984; 3(9):582–7

[Reduction of the risk of endomycosis in patients with prolonged endotracheal intubation using local antimycotic prophylaxis] Ansorg R, et al. **Anaesthesist** 1983 Sep; 32(9):438–42 (Eng. Abstr.) **(Ger)**

[Local treatment of dermatomycoses with bifonazol] Reinel D. **Med Welt** 1984 Feb 10;35(6):182–4 **(Ger)**

[Comparison of 2 different technics in primary mycological screening: standard serial dilution tests and microtitration test] Raether W, et al. **Mykosen** 1984 Jan;27(1):14–28 (Eng. Abstr.) **(Ger)**

[Combinations of antimycotics] Viviani MA. **G Ital Chemioter** 1984 Jan–Aug;31(1–2):1–6 (24 ref.) (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

Allergic reaction to benzyl alcohol in an antimycotic preparation. Shoji A. **Contact Dermatitis** 1983 Nov;9(6):510

An allergic eruption probably caused by ketoconazole. van Ketel WG. **Contact Dermatitis** 1983 Jul;9(4):313–3

[Damage caused by antibiotics and chemotherapeutic agents] Tauchnitz C, et al. **Z Gesamte Inn Med** 1983 Dec 15; 38(24):653–9 (Eng. Abstr.) **(Ger)**

[Effect of drugs currently used in treatment on indices of the body's immune reactivity in experimental candidiasis and aspergillosis] Leshchenko VM, et al. **Vestn Dermatol Venerol** 1983 Aug;(8):19–23 (Eng. Abstr.) **(Rus)**

ANALYSIS

Poly TMS and poly acetate derivatives for fingerprinting polyenes by NMR. Swami MB, et al. **Hindustan Antibiot Bull** 1983 Aug–Nov;25(3–4):101–14

Correlation of HPLC retention times with structure and functional group of macrolide polyenes. Swami MB, et al. **Hindustan Antibiot Bull** 1983 Aug–Nov;25(3–4):81–100

[Microbiological determination of the oral antifungal agent Bay N 7133 and ketoconazole in cervical and vaginal secretion of patients] Nusch W, et al. **Mykosen** 1983 Dec; 26(12):600–4 (Eng. Abstr.) **(Ger)**

BLOOD

Serum levels of ketoconazole in bone marrow transplanted patients. Vu Van H, et al. **Nouv Rev Fr Hematol** 1983; 25(4):241–4

CHEMICAL SYNTHESIS

Synthesis and biological activity of tripeptidyl polyoxins as antifungal agents. Naider F, et al. **Antimicrob Agents Chemother** 1983 Nov;24(5):787–96

Antimycotic azoles. 7. Synthesis and antifungal properties of a series of novel triazol-3-ones. Heeres J, et al. **J Med Chem** 1984 Jul;27(7):894–900

Benzisoxazolones: antimicrobial and antileukemic activity. Wierenga W, et al. **J Med Chem** 1984 Sep;27(9):1212–5

Synthesis, antibacterial and antifungal activity of 4-hydroxycoumarin derivatives, analogues of novobiocin. Patonay T, et al. **Pharmazie** 1984 Feb;39(2):84–91

Fifteen years of structural modifications in the field of antifungal monocyclic 1-substituted 1H-azoles. Zirngibl L. **Prog Drug Res** 1983;27:253–383 (774 ref.)

Allylamine derivatives: new class of synthetic antifungal agents inhibiting fungal squalene epoxidase. Petranyi G, et al. **Science** 1984 Jun 15;224(4654):1239–41

[Antimycotic agents. 16. Halogenated cyanaminomethylenepiperidines and -piperazines] Kreutzberger A, et al. **Arch Pharm (Weinheim)** 1984 May; 317(5):417–20 (Eng. Abstr.) **(Ger)**

[Effect of new pyridinium compounds against selected bacterial and fungal strains. 6. Synthesis of 3,5-dimethyl-, 3-bromo- and 3-chloro-1-(n-alkylthiomethyl)pyridinium chlorides] Kucharski S, et al. **Arch Pharm (Weinheim)** 1983 Nov;316(11):916–21 (Eng. Abstr.) **(Ger)**

[Effect of new quaternary iminium compounds on selected bacterial and fungal strains. 7. Synthesis of N-alkylthiomethylquinolinium chlorides 1 and analogous 6-methyl compounds 2] Pernak J, et al. **Arch Pharm (Weinheim)** 1984 Feb;317(2):152–6 (Eng. Abstr.) **(Ger)**

[Effects of new iminium compounds on selected bacterial and fungal strains. 9. Synthesis of 1,2-dimethyl- and 1-butyl-3-(n-alkylthiomethyl)imidazolium chlorides] Pernak J, et al. **Arch Pharm (Weinheim)** 1984 May; 317(5):430–4 (Eng. Abstr.) **(Ger)**

[Derivatives of lithocholic acid with antibacterial and antifungal activity. IV] Bellini AM, et al. **Farmaco [Sci]** 1984 Apr;39(4):305–15 (Eng. Abstr.) **(Ita)**

[Anticryptogamic activity of some aryl esters of N-benzyldithiocarbamic acid] Mazza M, et al. **Farmaco [Sci]** 1983 Aug;38(8):603–8 (Eng. Abstr.) **(Ita)**

[Aryl esters of N-benzyldithiocarbamic acid with antimycotic activity] Mazza M, et al. **Farmaco [Sci]** 1983 Sep;38(9):709–12 (Eng. Abstr.) **(Ita)**

METABOLISM

High-pressure liquid chromatographic method for determination of Sch 28191 in biological fluids. Kim H, et al. **Antimicrob Agents Chemother** 1984 Jan;25(1):45–8

Influence of the corneal epithelium on the efficacy of topical antifungal agents. O'Day DM, et al. **Invest Ophthalmol Vis Sci** 1984 Jul;25(7):855–9

PHARMACODYNAMICS

Effect of ketoconazole and other imidazole fungicides on testosterone biosynthesis. Schürmeyer T, et al. **Acta Endocrinol (Copenh)** 1984 Feb;105(2):275–80

Effect of a new fungicide (PNDP) on the minor nucleotide content of Fusarium oxysporum. Jakucs E, et al. **Acta Microbiol Hung** 1984;31(1):27–33

Antimicrobial susceptibility of Prototheca zopfii isolated from bovine intramammary infections. McDonald JS, et al. **Am J Vet Res** 1984 Jun;45(6):1079–80

'In vitro' evaluation of Aspergillus susceptibility to antifungal agents. Viviani MA, et al. **Ann Sclavo** 1982 Nov–Dec; 24(6):642–50

Direct membrane-damaging effect of ketoconazole and tioconazole on Candida albicans demonstrated by bioluminescent assay of ATP. Anséhn S, et al. **Antimicrob Agents Chemother** 1984 Jul;26(1):22-5

In vitro studies with R 51,211 (itraconazole). Espinel-Ingroff A, et al. **Antimicrob Agents Chemother** 1984 Jul;26(1):5-9

In vitro activities of two new antifungal azoles. Hoeprich PD, et al. **Antimicrob Agents Chemother** 1984 Mar; 25(3):339-41

In vitro activities of amphotericin B in combination with four antifungal agents and rifampin against Aspergillus spp. Hughes CE, et al. **Antimicrob Agents Chemother** 1984 May; 25(5):560-2

Inhibition and killing of Candida albicans in vitro by five imidazoles in clinical use. Lefler E, et al. **Antimicrob Agents Chemother** 1984 Apr;25(4):450-4

Effect of the antimycotic drug naftifine on growth of and sterol biosynthesis in Candida albicans. Ryder NS, et al. **Antimicrob Agents Chemother** 1984 Apr;25(4):483-7

Novel synergism of two antifungal agents, copiamycin and imidazole. Uno J, et al. **Antimicrob Agents Chemother** 1983 Oct;24(4):552-9

In vitro susceptibilities of human and wild-type isolates of Basidiobolus and Conidiobolus species. Yangco BG, et al. **Antimicrob Agents Chemother** 1984 Apr;25(4):413-6

Antifungal activity of Wratizolin. Mulczyk M, et al. **Arch Immunol Ther Exp (Warsz)** 1983;31(5):615-20

Bifonazole and clotrimazole. Their mode of action and the possible reason for the fungicidal behaviour of bifonazole. Berg D, et al. **Arzneimittelforsch** 1984;34(2):139-46

The effect of bifonazole on the structure of Trichophyton. Osumi M, et al. **Arzneimittelforsch** 1983;33(10):1484-91

Studies on the mechanism of the antifungal action of benzoate. Krebs HA, et al. **Biochem J** 1983 Sep 15; 214(3):657-63

Fungicidal inhibitors of ergosterol biosynthesis. Baldwin BC. **Biochem Soc Trans** 1983 Dec;11(6):659-63

Inhibition of sterol 14 alpha-demethylase enzymes. Mercer EI. **Biochem Soc Trans** 1983 Dec;11(6):663-5

Hypothesis on the molecular basis of the antifungal activity of N-substituted imidazoles and triazoles. Van den Bossche H, et al. **Biochem Soc Trans** 1983 Dec;11(6):665-7

In vitro susceptibility studies with oxiconazole (Ro 13-8996). Gebhart RJ, et al. **Chemotherapy** 1984;30(4):244-7

Antimicrobial effects of esters and amides of 3-(5-nitro-2-furyl)acrylic acid. Kellová G, et al. **Folia Microbiol (Praha)** 1984;29(1):23-34

Killing of Aspergillus fumigatus spores and Candida albicans yeast phase by the iron-hydrogen peroxide-iodide cytotoxic system: comparison with the myeloperoxidase-hydrogen peroxide-halide system. Levitz SM, et al. **Infect Immun** 1984 Mar;43(3):1100-2

In-vitro resistance to imidazole antifungals in Candida albicans. Johnson EM, et al. **J Antimicrob Chemother** 1984 Jun;13(6):547-58

Effect of imidazole antifungals on the development of germ tubes by strains of Candida albicans. Johnson EM, et al. **J Antimicrob Chemother** 1983 Oct;12(4):303-16

Relative inhibition factors--a novel approach to the assessment of antifungal antibiotics in vitro. Odds FC, et al. **J Antimicrob Chemother** 1984 Jan;13(1):31-43

The sensitivity of mycelium, arthrospores and microconidia of Trichophyton mentagrophytes to imidazoles determined by in-vitro tests. Wright LR, et al. **J Antimicrob Chemother** 1983 Oct;12(4):317-27

In vitro antifungal activities of Bay n 7133 and Bay L 9139, two new orally absorbed antifungal imidazole derivatives, against pathogenic yeasts. Fromtling RA, et al. **Mycopathologia** 1984 Apr 30;86(1):45-50

A microautomated dilution method for susceptibility testing with antifungal drugs. Polonelli L, et al. **Mycopathologia** 1984 Apr 30;86(1):21-8

Study of the morphofunctional alterations produced by fenticonazole on strains of Candida albicans, using the scanning electron microscope (S.E.M). Costa AL, et al. **Mykosen** 1984 Jan;27(1):29-35

Mycotoxicity in leaves of some higher plants with special reference to that of Ageratum houstonianum mill. Pandey DK, et al. **Mykosen** 1983 Nov;26(11):565-73

Fenticonazole: a new antifungal imidazole derivative in vitro and in vivo antimycotic activity. Veronese M, et al. **Mykosen** 1984 Apr;27(4):194-202

Effects of propionic acid and of copper sulfate on the nutritional value of diets containing moldy corn for broiler chicks. Bartov I. **Poult Sci** 1983 Nov;62(11):2195-200

In-vitro inhibitory activities of 2 new orally absorbable imidazole derivatives: BAY n 7133 and BAY 1 9139. Fromtling RA, et al. **Sabouraudia** 1983 Sep;21(3):179-84

Comparative susceptibility of the agents of adiaspiromycosis to imidazole derivatives in vitro. Otčenášek M, et al. **Sabouraudia** 1983 Sep;21(3):239-42

Antifungal activity in vitro of Ro 14-4767/002, a phenylpropyl-morpholine. Polak A. **Sabouraudia** 1983 Sep; 21(3):205-13

Azole resistance in Candida albicans. Ryley JF, et al. **Sabouraudia** 1984;22(1):53-63

In-vitro studies with four new antifungal agents: BAY n 7133, bifonazole (BAY h 4502), ICI 153,066 and Ro 14-4767/002. Shadomy S, et al. **Sabouraudia** 1984; 22(1):7-15

[Sensitivity of Scopulariopsis brevicaulis (Bainier) to antifungal agents] Regli P, et al. **Mykosen** 1984 Feb; 27(2):61-71 (Eng. Abstr.) **(Fre)**

[In vitro comparative study of the sensitivity of Aspergillus to antifungal agents] Guinet R, et al. **Pathol Biol (Paris)** 1984 Jun;32(5 Pt 2):654-7 (Eng. Abstr.) **(Fre)**

[Antimycotic effect of Tolciclate] Wildfeuer A, et al. **Mykosen** 1984 Mar;27(3):142-52 (Eng. Abstr.) **(Ger)**

[Antimicrobial activity of 8-quinolinylbenzoate salicylate] Panico S, et al. **Ann Ist Super Sanita** 1982;18(3):485-8 (Eng. Abstr.) **(Ita)**

[In vitro anti-fungal activity of the econazole-orn...azole combination (1:10 ratio)] Piccolomini R, et al. **Boll Ist Sieroter Milan** 1983 Jul;62(3):257-61 (Eng. Abstr.) **(Ita)**

[Sensitivity of yeasts and filamentous fungi to antifungal agents: comparative in vitro studies] Guglielminetti M, et al. **Farmaco [Prat]** 1984 May;39(5):139-47 (Eng. Abstr.) **(Ita)**

[Routine application of serologic typing and in vitro tests of antifungal activity in vaginal mycosis] Perini M, et al. **Quad Sclavo Diagn** 1983 Dec;19(4):463-71 (Eng. Abstr.) **(Ita)**

[Induction of resistance of yeast-like fungi to synthetic antifungal agents] Pawlik B, et al. **Med Dosw Mikrobiol** 1983;35(1):43-8 (Eng. Abstr.) **(Pol)**

[Antifungal and antimicrobial activity of beta-ionone and vitamin A derivatives] Mikhlin ED, et al. **Prikl Biokhim Mikrobiol** 1983 Nov-Dec;19(6):795-803 (Eng. Abstr.) **(Rus)**

[Quantitative analysis in studies of the activity of antifungal preparations on the ultrastructural level] Poliakova NIa. **Vestn Dermatol Venerol** 1984 Jun;(6):22-4 (Eng. Abstr.) **(Rus)**

[Quantitative analysis of the ultrastructural dynamics of M. canis in culture as affected by lysofungin] Sheklakov ND, et al. **Vestn Dermatol Venerol** 1984 Feb;(2):18-22 (Eng. Abstr.) **(Rus)**

[Sensitivity of Prototheca zopfii to antifungal, chemotherapeutic and sulfamide agents] Casal M, et al. **Rev Latinoam Microbiol** 1983 Oct-Dec;25(4):259-62 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

Ornithyl amphotericin methyl ester treatment of experimental candidiasis in rats. Galgiani JN, et al. **Antimicrob Agents Chemother** 1984 Jul;26(1):108-9

Comparative activities of Bay n7133, ICI 153,066, and ketoconazole in murine cryptococcosis. Graybill JR, et al. **Antimicrob Agents Chemother** 1983 Dec;24(6):829-34

Co...arison of ketoconazole, Bay N7133, and Bay L9139 in the treatment of experimental vaginal candidiasis. Sobel JD, et al. **Antimicrob Agents Chemother** 1983 Sep; 24(3):434-6

1% sulconazole cream v 2% miconazole cream in the treatment of tinea versicolor. A double-blind, multicenter study. Tanenbaum L, et al. **Arch Dermatol** 1984 Feb; 120(2):216-9

A double blind trial of ketoconazole versus griseofulvin treatment for dermatophyte infections. Wishart JM. **Australas J Dermatol** 1983 Apr;24(1):40-3

Managing fungal infections. Hay RJ. **Br J Hosp Med** 1984 Apr;31(4):278-82

An experimental model for evaluation of antifungal agents in a Trichophyton mentagrophytes infection of guinea pigs. Valiant ME, et al. **Chemotherapy** 1984;30(1):54-60

Dermatophytosis: an approach to therapy. Skinner RB Jr, et al. **Compr Ther** 1984 Jun;10(6):37-40

Mico-artemin--a new antimycotic preparation for local treatment of Epidermophytosis interdigitalis pedum. Tolev I, et al. **Folia Med (Plovdiv)** 1983;25(3):8-10

Efficacy of antifungal agents in the cornea. IV. Amphotericin B methyl ester. O'Day DM, et al. **Invest Ophthalmol Vis Sci** 1984 Jul;25(7):851-4

The effect of K-582, a new antifungal agent, on experimental Candida keratitis. Ohno S, et al. **Invest Ophthalmol Vis Sci** 1983 Dec;24(12):1626-9

Empirical antifungal therapy in neutropenic patients. Cohen J. **J Antimicrob Chemother** 1984 May;13(5):409-11

Antimycotic activity of BAY N 7133 in animal experiments. Plempel M. **J Antimicrob Chemother** 1984 May; 13(5):447-63

Treatment of experimental murine aspergillosis with BAY n7133. Graybill JR, et al. **J Infect Dis** 1983 Nov; 148(5):898-906

Drugs for treatment of systemic fungal infections. **Med Lett Drugs Ther** 1984 Mar 30;26(658):36-8

Comparison of oxiconazole (Ro 13-8996) and econazole in dermatomycoses. Gip L. **Mykosen** 1984 Jun;27(6):295, 298-302

Empiric antifungal therapy [letter] Barzilai A, et al. **Pediatr Infect Dis** 1983 Nov-Dec;2(6):493

Oxiconazole in the treatment of vaginal candidiasis: single dose versus 3-day treatment with econazole. Gouveia DC, et al. **Pharmatherapeutica** 1984;3(10):682-5

A direct comparison of oral treatments with BAY-n-7133, BAY-1-9139 and ketoconazole in experimental murine coccidioidomycosis. Levine HB. **Sabouraudia** 1984; 22(1):37-46

Cryptococcal meningitis: resolution eight months after antifungal therapy. Jones JM, et al. **South Med J** 1983 Dec; 76(12):1567-9

The use of Chinofungin spray in fungal dermatological diseases. Korossy S, et al. **Ther Hung** 1981;29(1):35-7

Therapeutics in avian medicine. Flock vs. individual bird treatment regimens. Clubb SL. **Vet Clin North Am [Small Anim Pract]** 1984 Mar; 14(2):345-61

[Systemic therapy of vulvovaginal mycoses] Herzog RE. **Gynakol Rundsch** 1983;23(4):233-41 **(Ger)**

[Genitogluteal candidiasis in small children. Treatment with Trosyd (tioconazole)] Grigoriu A, et al. **Mykosen** 1984 Jun; 27(6):290-4 (Eng. Abstr.) **(Ger)**

[Correlation of in vitro and in vivo actions of azole antimycotics] Plempel M. **Mykosen** 1984 Jan;27(1):7-13 (Eng. Abstr.) **(Ger)**

[Therapy of mycoses] Male O. **Wien Med Wochenschr** 1983; 133 Suppl 1:27-34 **(Ger)**

[Mycospor in the therapy of mycoses] Strumpf C. **ZFA (Stuttgart)** 1983 Dec 10;59(34):1935-6 **(Ger)**

[Antimycotic chemotherapy. Review and personal contribution] Riviera L, et al. **G Ital Chemioter** 1983 Jan-Apr;30(1):25-38 (61 ref.) (Eng. Abstr.) **(Ita)**

[Cyclopiroxolamine (HOE 296), new antimycotic substance, in superficial mycosis] Aratari E, et al. **G Ital Dermatol Venereol** 1983 Jan-Feb;118(1):I-VI (Eng. Abstr.) **(Ita)**

[Topical therapeutic action of a new preparation with antifungal and antibacterial action (Vancide 89 RE-BTC 2125 M 50%)] Carnimeo L, et al. **G Ital Dermatol Venereol** 1982 Jul-Aug; 117(4):XXXV-XXXVIII (Eng. Abstr.) **(Ita)**

[The therapeutic activity of an anti-mycotic preparation (Vancide 89 RE-BTC 2125 M 50%)] Di Silverio A, et al. **G Ital Dermatol Venereol** 1982 May-Jun; 117(3):XXIII-XXVI (Eng. Abstr.) **(Ita)**

[Double-blind evaluation of the antimycotic activity of econazole and tolciclate] Pigatto PD, et al. **G Ital Dermatol Venereol** 1983 Jan-Feb;118(1):XI-XIV (Eng. Abstr.) **(Ita)**

[Future of antifungal and antiviral agents. 1. Antifungal agents] Arai T. **Nippon Rinsho** 1984 Mar;42(3):629-37 (29 ref.) **(Jpn)**

[Evaluation of the results of laboratory-controlled treatment of vaginal mycoses] Prosiecki R, et al. **Pol Tyg Lek** 1984 Mar 26;39(13):433-6 (Eng. Abstr.) **(Pol)**

[Imidazole preparations in mycology] Sheklakov ND, et al. **Vestn Dermatol Venerol** 1984 Jun;(6):51-8 (68 ref.) **(Rus)**

[Double-blind comparative study of RO-13-8996 with miconazole in relation to its efficiency and local tolerance in patients with dermatomycosis] Arreaza de Arreaza F, et al. **Med Cutan Iber Lat Am** 1984;12(1):57-61 (Eng. Abstr.) **(Spa)**

ANTIGAMMA GLOBULIN ANTIBODIES see **ANTI-ANTIBODIES**

ANTIGEN-ANTIBODY COMPLEX

see related
IMMUNE COMPLEX DISEASE

Evidence of persistent IgA/IgG circulating immune complexes associated with activation of the complement system in serum of a patient with common variable immune deficiency: anaphylactic reactions to intravenous gammaglobulin. Wahn V, et al. **Acta Pathol Microbiol Immunol Scand [Suppl]** 1984; 284:49-58

Immunologic approaches to the study of cyclic nucleotide phosphodiesterases. Hurwitz RL, et al. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1984; 16:89-106

Factors influencing the endocytosis of immune complexes. van Es LA, et al. **Adv Nephrol** 1984;13:341-67 (95 ref.)

Circulating immune complexes in Hashimoto's thyroiditis. Correlation to HLA and autoantibodies. Kappelgaard E, et al. **Allergy** 1983 Aug;38(6):433-9

Immune complex size determines the clearance rate of a circulating antigen in schistosome-infected mice. Nash TE. **Am J Trop Med Hyg** 1984 Jul;33(4):621-6

Detection of immune complexes in serum of dogs with neoplastic disease by solid-phase C1q binding, using an enzyme-linked immunosorbent assay. DeBoer DJ, et al. **Am J Vet Res** 1983 Sep;44(9):1710-3

Polyamide resin: a novel immunoadsorbent. I. Preparation of polyamide resin-antigen conjugates for use in a solid phase assay for radiolabeled antibody synthesized in vitro. Gooch GT, et al. **Appl Biochem Biotechnol** 1983 Apr; 8(2):105-14

Epitopes in human growth hormone and chorionic somatomammotropin studied with monoclonal antibodies. Vita N, et al. **Arch Biochem Biophys** 1983 Sep;225(2):436-45

The use of protein beads as immunoadsorbent for the column fractionation of lymphocytes. Eckert R, et al. **Arch Immunol Ther Exp (Warsz)** 1983;31(2):183-9

Rapid optimization of immunoadsorbent characteristics. Janatova J, et al. **Biochem J** 1984 Jul 1;221(1):113-20

Antibody combining sites can be mimicked synthetically. Surface-simulation synthesis of the phosphorylcholine-combining site of myeloma protein M-603. Kazim AL, et al. **Biochem J** 1980 Jun 1; 187(3):661-6

Monoclonal antibodies against distinct determinants of histone H5 bind to chromatin. Mendelson E, et al. **Biochemistry** 1984 Jul 17;23(15):3459-66

beta-Galactosidase: immune recognition of conformation and mechanism of antibody-induced catalytic activation. Celada F, et al. **Biopolymers** 1983 Jan;22(1):465–73

Nature of antigens and antibodies in immune complexes isolated by staphylococcal protein A from plasma of melanoma patients. Gupta RK, et al. **Cancer Immunol Immunother** 1983;16(1):40–7

Correlation between immune complexes and herpes simplex virus (HSV)-tumor associated antigen (TAA) in human cancer sera. Cocchiara R, et al. **Cell Mol Biol** 1983; 29(5):397–403

Reduced complement-mediated immune complex solubilizing capacity and the presence of incompletely solubilized immune complexes in SLE sera. Baatrup G, et al. **Clin Exp Immunol** 1983 Nov;54(2):439–47

Non-complement-dependent adsorption of soluble immune complexes to human red cells. Virella G, et al. **Clin Exp Immunol** 1983 Nov;54(2):448–54

Receptor-mediated pinocytosis of IgG and immune complex in rat peritoneal macrophages: an electron microscopic study. Kiss AL, et al. **Eur J Cell Biol** 1984 May;34(1):88–95

Development of immune complex nephritis during treatment with the calcium channel-blocking agent nifedipine. Hall-Craggs M, et al. **Hum Pathol** 1984 Jul;15(7):691–4

Binding properties of monoclonal anti-IgG antibodies: analysis of binding curves in monoclonal antibody systems. Jacobsen C, et al. **Immunology** 1984 Mar;51(3):423–30

Immune complex mediated cardiac lesions in rats. Nagal V, et al. **Indian J Med Res** 1984 Feb;79:250–9

The microvasculature of the hamster cheek pouch as a model for studying acute immune-complex-induced inflammatory reactions (with 1 color plate). Björk J, et al. **Int Arch Allergy Appl Immunol** 1984;74(2):178–85

Antibodies against human chorionic gonadotropin convert the deglycosylated hormone from an antagonist to an agonist. Rebois RV, et al. **J Biol Chem** 1984 Jul 10; 259(13):8087–90

Specific binding of fibronectin—antifibronectin immune complexes to procollagen: a new pitfall in immunostaining. McDonald JA, et al. **J Cell Biol** 1984 Mar;98(3):1042–7

Internalization and rapid recycling of macrophage Fc receptors tagged with monovalent antireceptor antibody: possible role of a prelysosomal compartment. Mellman I, et al. **J Cell Biol** 1984 Apr;98(4):1163–9

Internalization and degradation of macrophage Fc receptors bound to polyvalent immune complexes. Mellman I, et al. **J Cell Biol** 1984 Apr;98(4):1170–7

Immunochemical studies of the non-specific interactions of cyanogen bromide-activated macroporous agarose-based immunoadsorbents. Kennedy JF, et al. **J Chromatogr** 1983 Dec 23;281:83–93

Acute lung injury in rat caused by immunoglobulin A immune complexes. Johnson KJ, et al. **J Clin Invest** 1984 Aug;74(2):358–69

Distinction between epidermal antigens binding pemphigus vulgaris and pemphigus foliaceus autoantibodies. Stanley JR, et al. **J Clin Invest** 1984 Aug;74(2):313–20

Circulating complement fixing immune complexes in chronic hepatitis. Use of anti-C3 enzyme immunoassay to define antibody class and nature of antigen. Sagnelli E, et al. **J Clin Lab Immunol** 1983 Sep;12(1):11–5

The detection of circulating immune complexes containing immunoglobulin G. Valentijn RM, et al. **J Clin Lab Immunol** 1984 Jun;14(2):73–9

A mechanism of transient immune deposition in the skin. Masuda T, et al. **J Dermatol (Tokyo)** 1983 Aug;10(4):331–8

Theoretical analysis of the Farr antibody assay with a computer model: importance of antigen concentration and antibody affinity. Griswold WR, et al. **J Immunoassay** 1984; 5(1-2):71–86

Electron microscopic and hydrodynamic studies of protein A–immunoglobulin G soluble complexes. Hanson DC, et al. **J Immunol** 1984 Mar;132(3):1386–96

A model for the formation and interconversion of protein A–immunoglobulin G soluble complexes. Hanson DC, et al. **J Immunol** 1984 Mar;132(3):1397–409

A circular antibody-antigen complex is responsible for increased affinity shown by mixtures of monoclonal antibodies to human chorionic gonadotropin. Moyle WR, et al. **J Immunol** 1983 Oct;131(4):1900–5

Counterimmunoblotting: detection of non-denatured or denatured antigens in antibody-containing agarose gels following polyacrylamide gel electrophoresis. Elkon KB, et al. **J Immunol Methods** 1984 May 25;70(2):211–9

A rapid binding assay for immunoglobulins which may be used as an alternative to ammonium sulfate precipitation methods. Glasel JA, et al. **J Immunol Methods** 1983 Oct 28;63(3):291–8

An electron microscope study of three-component immune complexes. Almeida JD, et al. **J Med Virol** 1984; 13(3):301–12

Preliminary crystallographic study of the complex between the Fab fragment of a monoclonal anti-lysozyme antibody and its antigen. Mariuzza RA, et al. **J Mol Biol** 1983 Nov 15;170(4):1055–8

Macrophage Fc receptors control infectivity and neutralization of canine distemper virus-antibody complexes. Appel MJ, et al. **J Virol** 1984 Sep;51(3):643–9

Demonstration of virus particles within immune complexes by electron microscopy. Lee FK, et al. **J Virol Methods** 1983 Sep;7(3):167–81

Immunosorbent separations. Calton GJ. **Methods Enzymol** 1984;104:381–7

Release of low molecular weight proteins from the Fc fragment of rabbit immunoglobulin G induced by formation of insoluble complexes with antigen. Dudich IV, et al. **Mol Immunol** 1983 Dec;20(12):1273–6

Immune-complexes solubilization: effect of antigen-antibody ratio and relative role of alternative and classical complement pathways. Genin C, et al. **Mol Immunol** 1983 Oct;20(10):1069–72

Fc-dependent effector functions of idiotype-anti-idiotype immune complexes. Rajnavölgyi E, et al. **Mol Immunol** 1984 Feb;21(2):127–36

An extracellular substance of Sporothrix schenckii in human infection. Garrison RG, et al. **Mykosen** 1983 Sep; 26(9):462–8

Ineffectiveness of phenytoin treatment on IgA-containing circulating immune complexes in IgA nephropathy [letter] Coppo R, et al. **Nephron** 1984;36(4):275–6

Circulating immune complexes: possible toxins responsible for serositis (pericarditis, pleuritis, and peritonitis) in renal failure. Twardowski ZJ, et al. **Nephron** 1983;35(3):190–5

Interaction between the macrophage system and IgA immune complexes in IgA nephropathy. Roccatello D, et al. **Proc Eur Dial Transplant Assoc** 1983;20:610–6

Murine monoclonal antibody to a single protein neutralizes the infectivity of human cytomegalovirus. Rasmussen LE, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(3):876–80

Immunochemical characterization of factor VIII inhibitors. Hoyer LW, et al. **Prog Clin Biol Res** 1984;150:73–85

Comparison of the absorption of allo-anti-B by red cells and by a synthetic immunoadsorbent using the autoanalyzer. Adatia A, et al. **Rev Fr Transfus Immunohematol** 1983 Dec; 26(6):585–90

Rectal insemination modifies immune responses in rabbits. Richards JM, et al. **Science** 1984 Apr 27;224(4647):390–2

Increased solubilization of immune complexes by the sera from patients with Behcet's disease. Tanaka K, et al. **Tohoku J Exp Med** 1983 Aug;140(4):363–8

[Immunoadsorption using Staphylococcus aureus, COWAN I strain] Behm E, et al. **Z Urol Nephrol** 1983 Aug; 76(8):511–7 (Eng. Abstr.) **(Ger)**

[Humoral immunity profile in idiopathic paralysis of the VIIth cranial nerve] Galli M, et al. **Acta Otorhinolaryngol Ital** 1983 Jul-Aug;3(4):409–15 (Eng. Abstr.) **(Ita)**

[Immunocirculating complexes, parameters in the follow-up of ocular diseases with an autoimmune component] Cernea P, et al. **Rev Chir [Oftalmol]** 1984 Jan-Mar;28(1):11–6 (Eng. Abstr.) **(Rum)**

[Synthesis of a high-volume immunosorbent with oriented immobilization of Fab'-fragments for antigen separation] Skvortsov VT, et al. **Biull Eksp Biol Med** 1984 Feb; 97(2):179–80 (Eng. Abstr.) **(Rus)**

ANALYSIS

Detection of HBsAg from circulating immune complex: clinical significance in diagnosis of hepatitis B glomerulonephritis in children. Li XM, et al. **Acta Acad Med Wuhan** 1983;3(4):205–8

A simplified quantification method of complex-release activity using peroxidase as immune complex antigen. Amano T, et al. **Acta Med Okayama** 1983 Dec;37(6):519–20

Serum immunoglobulin sedimentation patterns and circulating immune complexes in IgA glomerulonephritis and Schönlein-Henoch nephritis. Danielsen H, et al. **Acta Med Scand** 1984;215(5):435–41

Immune complexes and the complement factors C4 and C3 in cerebrospinal fluid and serum from patients with chronic progressive multiple sclerosis. Jans H, et al. **Acta Neurol Scand** 1984 Jan;69(1):34–8

Conceptual understanding of pustulosis palmaris et plantaris as an immune complex disease due to focal tonsillar infections. Yamanaka N, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1983;401:31–5

Phagocytosis by normal polymorphonuclear leukocytes of immune complexes from serum of patients with Felty's syndrome and rheumatoid arthritis with special reference to IgE immune complexes. Permin H, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1984 Feb; 92(1):37–42

Studies on the specificity of human antibodies reacting with GP70 and P15 antigens of baboon endogenous (BaEV) and gibbon ape leukaemia (GaLV) viruses. Tóth FD, et al. **Acta Virol (Praha)** 1984 May;28(3):191–7

C1q-binding immune complexes and other immunological studies in children with pulmonary hemosiderosis. Blanco A, et al. **Allergol Immunopathol (Madr)** 1984 Jan-Feb; 12(1):37–44

Circulating immune complexes in pollinosis and chronic bronchopathies. Effect of immunotherapy. Muñoz D, et al. **Allergol Immunopathol (Madr)** 1983 Sep-Oct; 11(5):379–84

Determination of IgE-containing immune complexes in human sera. Evaluation of polyethylene glycol precipitation of monomeric and complex IgE and of the detectability of IgE in the complexes. Djurup R, et al. **Allergy** 1984 Jul;39(5):395–406

Specific proteins precipitated by polyethylene glycol during assays for circulating C1q precipitable immune complexes [letter] Hyun J. **Am J Clin Pathol** 1983 Nov;80(5):777–8

A solid phase C1q enzyme assay for circulating immune complexes adapted for routine clinical laboratory testing. James K, et al. **Am J Clin Pathol** 1983 Oct;80(4):445–52

Astonished reader:description of a solid phase C1q enzyme assay for the detection of circulating immune complexes [letter] Ruiz-Argüelles A. **Am J Clin Pathol** 1984 Mar; 81(3):414–5

A case of familial Mediterranean fever with cutaneous vasculitis and immune complex nephritis: light, electron, and immunofluorescent study of renal biopsy. Schlesinger M, et al. **Am J Clin Pathol** 1983 Oct;80(4):511–4

Circulating immune complexes and dermatologic diseases. Yancey KB, et al. **Am J Dermatopathol** 1983 Aug; 5(4):401–5

Circulating immune complexes in pregnancy, preeclampsia, and autoimmune diseases: evaluation of Raji cell enzyme-linked immunosorbent assay and polyethylene glycol precipitation methods. Rote NS, et al. **Am J Obstet Gynecol** 1983 Oct 1;147(3):267–73

Receptors for human IgG subclasses on human alveolar macrophages. Naegel GP, et al. **Am Rev Respir Dis** 1984 Mar;129(3):413–8

Measurement of human activated factor X-antithrombin complex by an enzyme-linked differential-antibody immunosorbent assay. Jesty J, et al. **Anal Biochem** 1984 May 15;139(1):158–67

Significance of circulatory immune complexes in thromboangiitis obliterans (Buerger's disease). Gulati SM, et al. **Angiology** 1984 May;35(5):276–81

Circulating immune complexes and complement in rheumatoid arthritis. Duquesnoy B. **Ann Biol Clin (Paris)** 1984;42(1):71–5

A re-examination of the incidence of circulating immune complexes in normal pregnancy. Kilpatrick DC, et al. **Ann Clin Biochem** 1984 Mar;21 (Pt 2):105–8

Sural nerve immune deposits in polyneuropathy as a remote effect of malignancy. Ongerboer de Visser BW, et al. **Ann Neurol** 1983 Sep;14(3):261–6

Clinical and experimental study of the immune complex (herpes simplex virus type 1-IgM) in herpes encephalitis brain. Hayashi K, et al. **Ann NY Acad Sci** 1983;420:147–58

Synovial synthesis of rheumatoid factors and immune complex constituents in early arthritis. Jones V, et al. **Ann Rheum Dis** 1984 Apr;43(2):235–9

IgE class immune complexes in Felty's syndrome: characterisation of antibody activities in isolated complexes. Merétey K, et al. **Ann Rheum Dis** 1984 Apr; 43(2):246–50

Ischaemic colitis and immune complexes during gold therapy for rheumatoid arthritis. Wright A, et al. **Ann Rheum Dis** 1984 Jun;43(3):495–7

Cutaneous periarteritis nodosa. Hepatitis B surface antigen-containing immunocomplexes and polymorphonuclear-leukocyte lysosomal enzyme release. Van de Pette JE, et al. **Arch Dermatol** 1984 Jan; 120(1):109–11

The role of circulating immune complexes in the aetiology of polymorphic eruption of pregnancy. Kasp-Grochowska E, et al. **Arch Dermatol Res** 1984;276(2):71–3

Detection and quantitation of immune complexes by polyethylene glycol-laser nephelometer assay. I. Immunological study in chronic serum sickness in rabbits. Mikulska B, et al. **Arch Immunol Ther Exp (Warsz)** 1983; 31(2):109–20

Circulating immune complexes in prosthetic valve endocarditis. Hooper DC, et al. **Arch Intern Med** 1983 Nov; 143(11):2081–4

Decrease of the OKT8 positive T cell subset in polymyalgia rheumatica. Lack of correlation with disease activity. Benlahrache C, et al. **Arthritis Rheum** 1983 Dec; 26(12):1472–80

Anti-Fab' antibodies in rheumatoid arthritis. Measurement of the relative quantities incorporated in soluble immune complexes in sera and supernatants from cultured peripheral blood lymphocytes. Birdsall HH, et al. **Arthritis Rheum** 1983 Dec;26(12):1481–92

The importance of tissue substrate in the SS-A/Ro antigen-antibody system. Harmon CE, et al. **Arthritis Rheum** 1984 Feb;27(2):166–73

Anti-F(ab')2 antibodies that interfere with interpretation of the anti-C3 assay for immune complexes in children with rheumatic diseases. Olds LC, et al. **Arthritis Rheum** 1984 Mar;27(3):330–6

Interaction of polymorphonuclear leukocytes with immune complexes trapped in rheumatoid articular cartilage. Ugai K, et al. **Arthritis Rheum** 1983 Dec;26(12):1434–41

Antibody-nucleic acid complexes. Conformational and base specificities associated with spontaneously occurring poly- and monoclonal anti-DNA antibodies from autoimmune mice. Munns TW, et al. **Biochemistry** 1984 Jun 19; 23(13):2964–70

Conversion of nerve growth factor-receptor complexes to a slowly dissociating, Triton X-100 insoluble state by anti nerve growth factor antibodies. Vale RD, et al. **Biochemistry** 1983 Oct 11;22(21):5022–8

Immune complexes and human neoplasia. Salinas FA, et al. **Biomed Pharmacother** 1983;37(5):211–8

HBsAg/IgM complexes in serum of HBsAg carriers: partial characterization and clinical significance. Rizzi R, et al. **Boll Ist Sieroter Milan** 1983 May 31;62(2):137–44

Cutaneous leishmaniasis: immune complex formation and necrosis in the acute phase. Ridley MJ, et al. **Br J Exp Pathol** 1984 Jun;65(3):327–36

Circulating immune complexes in ankylosing spondylitis.

Deicher H, et al. **Br J Rheumatol** 1983 Nov;22(4 Suppl 2):122–7

Immune complexes in ankylosing spondylitis and controls. Duquesnoy B. **Br J Rheumatol** 1983 Nov;22(4 Suppl 2):128

Circulating immune complex and NK-cell activity in progressive breast cancer [letter] Seth R, et al. **Breast Cancer Res Treat** 1984;4(1):54–5

Myelin basic protein: a component of circulating immune complexes in multiple sclerosis. Dasgupta MK, et al. **Can J Neurol Sci** 1983 Nov;10(4):239–43

Evaluation of an enzyme-linked immunosorbent Raji cell assay (ELISA) in the investigation of gastrointestinal cancer. Leveson SH, et al. **Cancer Immunol Immunother** 1984;16(3):186–8

Association of circulating immune complexes with cytogenetic abnormalities but not with prognosis in acute nonlymphocytic leukemia. Crane MM, et al. **Cancer Res** 1984 Jul;44(7):3125–31

Circulating immune complexes in rats bearing 6-thioguanine-resistant variants of the 13762 mammary adenocarcinoma. Hoon DB, et al. **Cancer Res** 1984 Jun; 44(6):2406–9

Synthesis of antigens, cross-reactive with bovine serum albumin, by cultured neuroblastoma cells [letter] Peters T Jr, et al. **Cancer Res** 1983 Nov;43(11):5627–8

Circulating immune complexes in patients with house-dust-mite-sensitive bronchial asthma. Nakagawa T, et al. **Clin Allergy** 1984 Mar;14(2):129–38

Anti-IgG binding test to assay circulating IgG-containing immune complexes from polyethylene glycol precipitates. Levinson SS, et al. **Clin Chem** 1984 Sep;30(9):1502–6

Absorbance nephelometry of C1q-precipitable immune complexes: method comparisons and clinical correlations. Levinson SS, et al. **Clin Chem** 1983 Dec;29(12):2082–6

Absorbance nephelometry of immune complexes by reaction with anti-IgG after treatment with polyethylene glycol. Levinson SS, et al. **Clin Chem** 1983 Dec;29(12):2035–9

Evaluation of the presence of circulating immune complexes and their relationship to glomerular IgG deposits in streptozotocin-induced diabetic rats. Abrass CK. **Clin Exp Immunol** 1984 Jul;57(1):17–24

Hepatitis B surface antigen containing immune complexes occur in seronegative hepatocellular carcinoma patients. Brown SE, et al. **Clin Exp Immunol** 1984 Feb;55(2):355–9

Evidence for a disease specific antigen in circulating immune complexes in ankylosing spondylitis. Bruneau C, et al. **Clin Exp Immunol** 1983 Sep;53(3):529–35

Association of anti-heart antibodies and circulating immune complexes in the post-pericardiotomy syndrome. De Scheerder I, et al. **Clin Exp Immunol** 1984 Aug;57(2):423–8

Anti-globulins and circulating complexes in early rheumatoid arthritis. Hay FC, et al. **Clin Exp Immunol** 1983 Dec; 54(3):723–30

Characterization of DNA in polyethylene glycol precipitated immune complexes from sera of patients with systemic lupus erythematosus. Ikebe K, et al. **Clin Exp Immunol** 1983 Oct;54(1):169–77

Association of elevated serum glycoprotein gp70 with increased gp70 immune complex formation and accelerated lupus nephritis in autoimmune male BXSB mice. Izui S, et al. **Clin Exp Immunol** 1984 May;56(2):272–80

Local immune complexes and inflammatory response in patients with chronic interstitial pulmonary disorders associated with collagen vascular diseases. Jansen HM, et al. **Clin Exp Immunol** 1984 May;56(2):311–20

The significance of immunofluorescent immunoglobulin inclusions in polymorphonuclear leucocytes for the detection of circulating immune complexes. Kauffmann RH, et al. **Clin Exp Immunol** 1983 Oct;54(1):203–12

Glomerulonephritis induced by pre-formed immune complexes containing monoclonal antibodies of defined affinity and isotype. Lew AM, et al. **Clin Exp Immunol** 1984 Aug;57(2):413–22

Precipitation of 19S IgM rheumatoid factor-IgG circulating immune complexes in patients with juvenile arthritis by polyethylene glycol and separation by immobilized protein A. Moore TL, et al. **Clin Exp Immunol** 1984 May; 56(2):247–52

Association of increased immune complexes, platelet IgG and serum IgG in chronic active hepatitis. Pfueller SL, et al. **Clin Exp Immunol** 1983 Dec;54(3):655–60

Characteristics of immune complexes detectable by two independent assays in gynaecological malignancies. Poulton TA, et al. **Clin Exp Immunol** 1983 Sep;53(3):573–80

T cell subsets in patients with rheumatoid arthritis: reduction of cells with Leu 2A phenotype in patients with serum IgG immunocomplexes. Queiros MV, et al. **Clin Exp Immunol** 1983 Nov;54(2):509–14

Immune complexes in IgA nephropathy: presence of antibodies against diet antigens and delayed clearance of specific polymeric IgA immune complexes. Sancho J, et al. **Clin Exp Immunol** 1983 Oct;54(1):194–202

Correlation of C3d fixing circulating immune complexes with disease activity and clinical parameters in patients with systemic lupus erythematosus. Sekita K, et al. **Clin Exp Immunol** 1984 Mar;55(3):487–94

Characterization of immune complexes in acute lymphoblastic leukaemia. Williams RC, et al. **Clin Exp Immunol** 1983 Nov;54(2):418–28

The use of monoclonal antibodies in demonstrating the effect of antibody heterogeneity on immune complex size. Hosoi S, et al. **Clin Immunol Immunopathol** 1984 Sep;32(3):378–86

Modulation of mononuclear phagocyte system function and circulating immune complexes by lyophilized concentrates in patients with classic hemophilia. Kimberly RP, et al. **Clin Immunol Immunopathol** 1984 Jun;31(3):321–30

Comparison of pathologic and normal sera by immune complex determination: five disease groups within 190 samples are discriminated by computer-selected combinations of 13 methods. Report of the Italian committee for the study of immune complexes (WIC). Migliorini P, et al. **Clin Immunol Immunopathol** 1984 Sep; 32(3):298–315

IgA- and insulin-containing (C3-fixing) circulating immune complexes in diabetes mellitus. Triolo G, et al. **Clin Immunol Immunopathol** 1984 Feb;30(2):169–77

Characterization of C1q-binding IgG complexes in systemic lupus erythematosus. Uwatoko S, et al. **Clin Immunol Immunopathol** 1984 Jan;30(1):104–16

Circulating immune complexes in patients with rheumatoid arthritis and the effect of penicillamine in vitro. Crawhall JC. **Clin Invest Med** 1984;7(1):53–8

Circulating immune complexes in glomerulonephritis: a longitudinal study. Sølling J. **Clin Nephrol** 1983 Oct; 20(4):177–89

The role of immune complexes for the origin of liver lesions. Hořejší J. **Czech Med** 1984;7(1):1–14

Immunofluorescence in cutaneous leishmaniasis. Brenner S, et al. **Dermatologica** 1984;168(4):175–77

Circulating immune complexes in hepatitis B: levels, immunoglobulin class of antibody and the presence of hepatitis B surface antigen. Brown SE, et al. **Dev Biol Stand** 1983;54:391–7

Immune complexes as a manifestation of toxicological change. Parish WE. **Dev Toxicol Environ Sci** 1983; 11:201–10

Factors influencing reticulophagocytic function in insulin-treated diabetes. Lawrence S, et al. **Diabetes** 1984 Sep;33(9):813–8

Circulating immune complexes and platelet thromboxane synthesis in patients with insulin-dependent (type I) diabetes mellitus. Triolo G, et al. **Diabetes** 1984 Aug; 33(8):728–31

Immune complexes in ulcerative colitis [letter] Learmonth RP, et al. **Dig Dis Sci** 1984 Apr;29(4):381

Characterization of circulating immune complexes in chronic non-A, non-B hepatitis. Poralla T, et al. **Digestion** 1983; 28(2):90–5

Immune complex-like material in the serum and plasma exchange in patients with metastatic cancer. Krieger G, et al. **Eur J Clin Invest** 1984 Feb;14(1):55–9

Binding of a murine monoclonal anti-DNA antibody to Raji cells. Implications for the interpretation of the Raji cell assay for immune complexes. Tron F, et al. **Eur J Immunol** 1984 Mar;14(3):283–6

Circulating immune complex in the mucocutaneous lymph node syndrome. Furuse A, et al. **Eur J Pediatr** 1983 Oct; 141(1):50–1

Serum acute-phase glycoproteins and immune complexes in relation to smoking and respiratory symptoms: an epidemiological study. Palosuo T, et al. **Eur J Respir Dis** 1984 Apr;65(3):210–5

Detection of circulating immune complexes associated with brain tumors. Correlation with histological differentiation and length of clinical history. Lauro GM, et al. **Eur Neurol** 1983;22(5):307–13

Deposition of immune complexes in the mouse eye. Hylkema HA, et al. **Exp Eye Res** 1983 Sep;37(3):257–65

Detection and characterization of immune complexes in the circulation of infertile women. Witkin SS, et al. **Fertil Steril** 1984 Sep;42(3):384–8

Circulating IgG-specific immune complexes as a potential tumor marker in gynecological malignancies. Dodd JK, et al. **Gynecol Oncol** 1983 Oct;16(2):232–9

Follow-up of circulating immune complexes in the course of acute viral hepatitis, and correlation with serologically relevant parameters. Manca F, et al. **Hepatogastroenterology** 1984 Jun;31(3):119–22

Electron-dense deposits in the renal arterioles of two patients with hypersensitivity vasculitis. Montoliu J, et al. **Hum Pathol** 1984 Apr;15(4):390–4

A modified microcomplement fixation test for antigen or antibody determination in soluble immune complexes, using gel filtration. Kaufman TS, et al. **Immunol Commun** 1984; 13(3):269–84

Lymphocyte subsets and immune complexes in long-standing diabetic patients: relation with the presence of microangiopathy. Andreani D, et al. **Immunol Lett** 1984; 8(1):17–21

A rapid solid phase assay for the detection of circulating immune complexes. Ozkan AN. **Immunol Lett** 1984; 8(2):107–10

Immune complex formation analysed by high-performance size exclusion chromatography (HPLC-SEC) using either 125I-labelled antigen or enzyme-linked immunosorbent assay (ELISA) for detection. Holmskov-Nielsen U, et al. **Immunology** 1984 Apr;51(4):809–14

Detection of filarial antigen in immune complexes in bancroftian filariasis by ELISA. Prasad GB, et al. **Indian J Med Res** 1983 Dec;78:780–3

Immune complexes & immunoglobulins involved in human filariasis. Prasad GB, et al. **Indian J Med Res** 1983 Jun; 77:813–6

Immune complexes: biochemical and biological aspects. Seth P. **Indian J Pediatr** 1983 Sep-Oct;50(406):525–32

Renal deposition of alpha interferon in systemic lupus erythematosus. Panem S, et al. **Infect Immun** 1983 Oct; 42(1):368–73

Effect of chemotherapy and reinfection on IgE-containing and IgG-containing circulating immune complexes, serum IgE and IgE antibodies in patients chronically infected with Schistosoma mansoni and Schistosoma haematobium. Feldmeier H, et al. **Int Arch Allergy Appl Immunol** 1983; 72(3):211–8

Immune complexes in ovarian cancer: association between IgM class complexes and antinuclear autoantibodies in ascitic fluid. Silburn PA, et al. **Int Arch Allergy Appl Immunol** 1984;74(1):63–6

Immune complexes and complement profile in essential mixed cryoglobulinemia before and after plasma exchange. Corvetta A, et al. **Int J Artif Organs** 1983 Jul;6 Suppl 1:65–8

Changes in circulating immune complexes in tumour patient serum after in vitro or ex vivo affinity chromatography of blood plasma or whole blood over immunoglobulin-binding staphylococcal protein A-Sepharose. Håkansson L, et al. **Int J Artif Organs** 1984 Jan;7(1):23–6

Circulating immune complexes in Henoch-Schonlein purpura. Wenner NP, et al. **Int J Dermatol** 1983 Jul-Aug; 22(6):383–5

In vivo effect of clofazimine in the lysosomal enzyme level and immune complex phagocytosis of mouse peritoneal macrophages. Sarracent J, et al. **Int J Lepr** 1984 Jun; 52(2):154–8

A case of hemolytic uremic syndrome with high concentration of circulating immune complex in the initial stage. Furuse A, et al. **Int J Pediatr Nephrol** 1983 Jun; 4(2):123–6

An assay to measure antigen-specific immune complexes in food-allergy patients. Leary HL Jr, et al. **J Allergy Clin Immunol** 1984 Aug;74(2):190–5

IgG-containing and IgE-containing circulating immune complexes in patients with asthma and rhinitis. Stevens WJ, et al. **J Allergy Clin Immunol** 1984 Feb;73(2):276–82

Behçet's syndrome: immune regulation, circulating immune complexes, neutrophil migration, and colchicine therapy. Jorizzo JL, et al. **J Am Acad Dermatol** 1984 Feb;10(2 Pt 1):205–14

Immunochemical evidence for extensive ligand-induced conformational changes in Lactobacillus casei dihydrofolate reductase. Gronenborn AM, et al. **J Biol Chem** 1984 Jan 25;259(2):1082–5

Localised immune complexes and slipped upper femoral epiphysis. Morrissy RT, et al. **J Bone Joint Surg [Br]** 1983 Nov;65(5):574–9

Immunological studies of post-streptococcal sequelae. Evidence for presence of streptococcal antigens in circulating immune complexes. Friedman J, et al. **J Clin Invest** 1984 Sep;74(3):1027–34

Isotype and antigen analysis of immune complexes isolated from the sera of heart transplant recipients. Harkiss GD, et al. **J Clin Lab Immunol** 1984 Apr;13(4):155–60

Critical aspects of the 125I-C1q binding assay for detecting immune complexes in tumor patients. Krieger G, et al. **J Clin Lab Immunol** 1984 Jun;14(2):87–92

Circulating immune complexes in myocardial infarction. Smith GW, et al. **J Clin Lab Immunol** 1983 Dec;12(4):197–9

Circulating immune complexes and serum lysozyme levels in untreated Hodgkin's disease. Their relationship to immune function. Spinozzi F, et al. **J Clin Lab Immunol** 1983 Oct;12(2):87–92

Circulating immune complexes containing IgG, IgA and IgM in patients with myocardial infarction: detection with C1qSP and anti C3SP. Triolo G, et al. **J Clin Lab Immunol** 1984 Jan;13(1):35–9

Analysis of sera from ovarian cancer patients for immune complexes. Witkin SS, et al. **J Clin Lab Immunol** 1984 Jun; 14(2):65–8

Circulating immune complexes and sperm antibodies following vasectomy in Austrian men. Witkin SS, et al. **J Clin Lab Immunol** 1984 Jun;14(2):69–72

Detection and partial characterization of circulating immune complexes in hydatid disease. D'Amelio R, et al. **J Clin Microbiol** 1983 Nov;18(5):1021–6

Determination of immune complexes in sera from dogs with various diseases by mastocytoma cell assay. Targowski S. **J Clin Microbiol** 1982 Jan;15(1):64–8

Circulating immune complexes in childhood malignancies: a Pediatric Oncology Group study. Castleberry RP, et al. **J Clin Oncol** 1983 Dec;1(12):799–803

The in vivo effect of thymic factor (thymostimulin) administration on circulating immune complexes and serum lysozyme levels in untreated Hodgkin's disease patients. Velardi A, et al. **J Clin Oncol** 1983 Feb;1(2):117–25

Glomerulonephritis with coexistent immune deposits and antibasement membrane activity. Rajaraman S, et al. **J Clin Pathol** 1984 Feb;37(2):176–81

The removal of anti-DNA antibodies in vitro using DNA combined immunoadsorbent matrices. Taneda A, et al. **J Dermatol (Tokyo)** 1984 Feb;11(1):7–14

Soluble antigens and antibodies in the sera of mice infected with Trichinella spiralis, detected by a modified double counterimmunoelectrophoresis technique. Smith HV, et al. **J Helminthol** 1984 Mar;58(1):71–8

Immunoenzymatic labeling of monoclonal antibodies using immune complexes of alkaline phosphatase and monoclonal

anti-alkaline phosphatase (APAAP complexes). Cordell JL, et al. **J Histochem Cytochem** 1984 Feb;32(2):219–29
Renal deposits of lipoprotein–immunoglobulin complexes in Plasmodium chabaudi–infected mice. Delvinquier B, et al. **J Immunol** 1984 Oct;133(4):2243–9
Identification of HBsAg determinants in immune complexes from hepatitis B virus–associated vasculitis. Gupta RC, et al. **J Immunol** 1984 Mar;132(3):1223–8
Characterization of sequential immune complexes in infective endocarditis by Western blot analysis. Inman RD, et al. **J Immunol** 1984 Jul;133(1):217–21
Acute SLE in F1 hybrids between SB/Le and NZW mice; prominently enhanced formation of gp70 immune complexes by a Y chromosome–associated factor from SB/Le mice. Izui S, et al. **J Immunol** 1984 Feb;132(2):701–4
Precipitability and composition of HBsAg–anti–HBs immune complexes formed in the presence of complement. A model of circulating immune complex analysis. Anh–Tuan N, et al. **J Immunol Methods** 1983 Nov 25;64(3):283–94
Immune chromatography: a quantitative radioimmunological assay. Davis JW, et al. **J Immunol Methods** 1984 Mar 30; 68(1–2):157–65
Selective binding of heat– and antigen–aggregated IgG to Blue–Sepharose. Radioimmunoassay of circulating immune complexes. Dobre MA, et al. **J Immunol Methods** 1983 Dec 16;65(1–2):207–15
Detection of IgA class circulating immune complexes bound to anti–C3d antibody in patients with IgA nephropathy. Doi T, et al. **J Immunol Methods** 1984 Apr 13;69(1):95–104
An enzyme–linked immunoassay for circulating immune complexes using solid phased goat Clq. Lin TM, et al. **J Immunol Methods** 1983 Oct 14;63(2):187–205
The measurement of antibody affinity: a comparison of five techniques utilizing a panel of monoclonal anti–DNP antibodies and the effect of high affinity antibody on the measurement of low affinity antibody. Stanley C, et al. **J Immunol Methods** 1983 Nov 11;64(1–2):119–32
Investigation of the recommended use of anti–Clq for reducing non–specific reactions in solid–phase C1q assays for circulating immune complexes [letter] Wainer EM, et al. **J Immunol Methods** 1984 Jan 20;66(1):193–5
Immunologic responses of children to serious infections with Streptococcus pneumoniae. Prober CG, et al. **J Infect Dis** 1983 Sep;148(3):427–35
Differences in complement–dependent chemotactic activity generated by bullous pemphigoid and epidermolysis bullosa acquisita immune complexes: demonstration by leukocytic attachment and organ culture methods. Gammon WR, et al. **J Invest Dermatol** 1984 Jul;83(1):57–61
Conglutinin microtiter plate ELISA system for detecting circulating immune complexes. Araga S, et al. **J Neuroimmunol** 1984 Jun;6(3):161–8
Immunological abnormalities in a family with progressive external ophthalmoplegia. Calzetti S, et al. **J Neurol Sci** 1983 Sep;61(1):13–20
Detection of immune complexes in experimental allergic neuritis. Koh CS, et al. **J Neurol Sci** 1984 Feb;63(2):229–39
In situ formation of immune complexes in the choroid plexus of rats by sequential injection of a cationized antigen and unaltered antibodies. Huang JT, et al. **J Neuropathol Exp Neurol** 1984 Sep;43(5):489–99
Extravascular immune complexes in experimental mycobacterial BCG granulomas. Ridley MJ, et al. **J Pathol** 1983 Dec;141(4):469–82
Circulating immune complexes in hypertensive disorders of pregnancy. Alanen A, et al. **J Reprod Immunol** 1984 May; 6(3):133–40
Carcinoma polyarthritis: role of immune complexes in pathogenesis. Bradley JD, et al. **J Rheumatol** 1983 Oct; 10(5):826–8
Immunochemical analyses of components of immune complexes in the sera of patients with autoimmune diseases. Ferraccioli G, et al. **J Rheumatol** 1983 Dec;10(6):881–8
Circulating immune complexes in Yersinia infection. Leirisalo M, et al. **J Rheumatol** 1984 Jun;11(3):365–8
HLA antigens in black and white patients with juvenile arthritis: associations with rheumatoid factor, hidden rheumatoid factor, antinuclear antibodies, and immune complex levels. Moore TL, et al. **J Rheumatol** 1984 Apr; 11(2):188–96
Lack of circulating immune complexes in uncomplicated erythema nodosum. Nunnery E, et al. **J Rheumatol** 1983 Dec;10(6):991–4
Immune complexes and clinical manifestations in patients with rheumatoid arthritis [letter] Rodriguez MA, et al. **J Rheumatol** 1984 Apr;11(2):245–6
Rheumatoid arthritis and membranous glomerulonephritis: a role for immune complex dissociative techniques. Via CS, et al. **J Rheumatol** 1984 Jun;11(3):342–7
Immune complexes in urine and serum of patients with bladder cancer. Babaian RJ, et al. **J Urol** 1984 Mar; 131(3):463–6
Influenza virus–induced immune complexes suppress alveolar macrophage phagocytosis. Astry CL, et al. **J Virol** 1984 May;50(2):287–92
Immunobiochemical characterization with monoclonal antibodies of Epstein–Barr virus–associated early antigens in chemically induced cells. Epstein AL. **J Virol** 1984 May; 50(2):372–9
Immunoprecipitation of some forms of simian virus 40 large–T antigen by antibodies to synthetic peptides. Paucha E, et al. **J Virol** 1984 Sep;51(3):670–81
Identification of material with paternal HLA antigen immunoreactivity from purported circulating immune complexes in patients with gestational trophoblastic neoplasia. Lahey SJ, et al. **JNCI** 1984 May;72(5):983–90
Alterations in glomerular anionic sites in autologous immune complex nephritis. Schneeberger EE, et al. **Lab Invest** 1983 Oct;49(4):445–52
Effect of increased glomerular permeability on the localization of immune aggregates and protamine–heparin aggregates in the rat. Weening JJ, et al. **Lab Invest** 1983 Nov;49(5):619–25
Immune complexes and cancer. Chu TM, et al. **Lab Res Methods Biol Med** 1983;8:259–68
Demonstration of viral antigen p24 in circulating immune complexes of two patients with human T–cell leukaemia/lymphoma virus (HTLV) positive lymphoma. Schüpbach J, et al. **Lancet** 1984 Feb 11;1(8372):302–5
Circulating immune complexes in chronic myeloid leukemia: turbidimetric measurement and two–dimensional electrophoretic analysis. Chhajlani V, et al. **Leuk Res** 1983; 7(5):565–73
Circulating immune complexes in chronic myeloid leukemia patients at various stages of the disease. Saranath D, et al. **Leuk Res** 1983;7(6):771–7
Dupuytren's contracture, chronic liver disease and IgA immune complexes. Houghton S, et al. **Liver** 1983 Aug; 3(4):220–4
Circulating immune complexes in chronic hepatitis as related to the presence of HBsAg. Radu D, et al. **Med Interne** 1984 Jan–Mar;22(1):61–5
High immune complex level in healthy middle aged females. Tasaka K, et al. **Microbiol Immunol** 1984;28(5):625–30
Circulating immune complexes in AIDS [letter] Gupta S, et al. **N Engl J Med** 1984 Jun 7;310(23):1530–1
Circulating immune complexes in patients with lymphomas and leukemias. Patel GV, et al. **Neoplasma** 1984; 31(2):197–202
The fluctuation of circulating immune complexes level in patients with malignancy. Vodvářka P, et al. **Neoplasma** 1984;31(4):485–9
Demonstration of C3d deposits in membranous nephropathy. Doi T, et al. **Nephron** 1984;37(4):232–5
The role of IgA and IgG immune complexes in IgA nephropathy. Egido J, et al. **Nephron** 1984;36(1):52–9
Detection of IgA1–dominant immune complexes in peripheral blood polymorphonuclear leukocytes by double immunofluorescence in patients with IgA nephropathy. Tomino Y, et al. **Nephron** 1984;37(2):137–9
Evaluation of circulating immune complexes in lupus nephritis by solid phase C1q and conglutinin binding assays. Yoshida H, et al. **Nippon Jinzo Gakkai Shi** 1984 Mar; 26(3):293–300
Accumulation of radioactively labeled antithyroglobulin antibody by thyroid carcinoma. Hirayu H, et al. **Oncodev Biol Med** 1983;4(6):C63–70
Immune complexes of IgG1 and IgG3 subclasses in human breast cancer sera detected by monoclonal antibodies in an indirect immunoenzymatic assay. Manzo C, et al. **Oncology** 1983;40(6):395–9
Circulating antigens, antibodies and immune complexes in experimental Taenia pisiformis infections of rabbits. Craig PS. **Parasitology** 1984 Aug;89 (Pt 1):121–31
Immune complexes in IgA nephropathy (Berger's disease). Stachura I. **Pathol Annu** 1983;18 Pt 2:295–314 (120 ref.)
Desquamative interstitial pneumonia and antigen–antibody complexes in two infants with congenital rubella. Boner A, et al. **Pediatrics** 1983 Dec;72(6):835–9
Pathomorphology of the formation and deposition of HBV related immune complexes. Krawczynski K. **Prog Clin Biol Res** 1983;143:317–26
An immunohistological study of feline glomerulonephritis using the peroxidase–antiperoxidase method. Arthur JE, et al. **Res Vet Sci** 1984 Jul;37(1):12–7
Immune complexes in juvenile chronic arthritis. Latzka U, et al. **Rheumatol Int** 1984;4(1):45–8
Factors influencing immune complex localisation. Schrieber L, et al. **Rheumatol Int** 1984;4(3):95–109 (166 ref.)
Circulating immune complexes in HBsAg–positive and HBsAg–negative chronic liver diseases. Pastore G, et al. **Ric Clin Lab** 1984 Jan–Mar;14(1):29–35
Antigen–antibody complexes in inflammatory bowel disease. Danis VA, et al. **Scand J Gastroenterol** 1984 Jul;19(5):603–6
Circulating immune complexes in haemophilia and von Willebrand's disease. Passaleva A, et al. **Scand J Haematol** 1983 Nov;31(5):466–74
Hemophilic arthropathy—an immunologic study of the synovium. Andes WA, et al. **Scand J Haematol [Suppl]** 1984;40:221–4
Antigen–antibody complexes in hemophilia. Hilgartner M. **Scand J Haematol [Suppl]** 1984;40:335–9
Episodic arthritis, skin manifestations and immune complexes following intestinal by–pass operations for morbid obesity. Heyn J, et al. **Scand J Rheumatol** 1983;12(3):257–9
Circulating immune complexes in rheumatoid arthritis with extra–articular manifestations. Jans H, et al. **Scand J Rheumatol** 1983;12(3):215–8
Pitfalls in the methodology for detection of immune complexes. Heimer R, et al. **Surv Immunol Res** 1982; 1(1):109–16 (42 ref.)
Cutaneous vasculitis and immune complexes in severe bronchiectasis. Hilton AM, et al. **Thorax** 1984 Mar; 39(3):185–91
Autoantibodies, immune complexes and HLA–D in thyrogastric autoimmunity. Feldt–Rasmussen U, et al. **Tissue Antigens** 1983 Nov;22(5):342–7
Immune complexes in Aleutian disease: demonstration of antibody on isolated virus. Hahn EC. **Vet Immunol Immunopathol** 1984 Mar;5(4):313–21
Feline complement dependent binding in the Raji cell assay is insufficient for the quantitation of immune complexes. Tuomari DL, et al. **Vet Immunol Immunopathol** 1983 Nov; 5(1):77–83
Electron microscopy of influenza haemagglutinin–monoclonal antibody complexes. Wrigley NG, et al. **Virology** 1983 Dec;131(2):308–14
Quantitation of antibody binding to erythrocytes in LISS. Merry AH, et al. **Vox Sang** 1984;47(2):125–32
Temporal arteritis in polymyalgia rheumatica: immune complex deposits and the role of the leukocyte elastase in the pathogenesis. Velvart M, et al. **Z Rheumatol** 1983 Nov–Dec;42(6):320–7
[Methods of determining circulating immune complexes] Baleva M. **Vutr Boles** 1983;22(6):1–5 (24 ref.) **(Bul)**
[A preliminary report on the polyethylene glycol precipitation test to study the kinetics of circulating immune complexes in sera from rabbits infected with the cercariae of Schistosoma japonicum] Li YH, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1983;1(1):40–3 (Eng. Abstr.) **(Chi)**
[Significance of serum immune complex and complement C3 in patients of typhoid fever] Liu ZY, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1983 Apr; 5(2):134–5 (Eng. Abstr.) **(Chi)**
[Circulating immunocomplexes. II. A suggestion for a modification of the PEG–IKEM test. Methodology study] Mareček D, et al. **Cesk Epidemiol Mikrobiol Imunol** 1984 May;33(3):167–73 (Eng. Abstr.) **(Cze)**
[Circulating immunocomplexes. I. The effect of working conditions on the resulting values of the PEG–IKEM test. Methodology study] Vančurová M, et al. **Cesk Epidemiol Mikrobiol Imunol** 1984 Mar;33(2):116–21 (Eng. Abstr.) **(Cze)**
[Immunologic findings in the blood and intestinal biopsies of patients with celiac disease] Gregar I, et al. **Cesk Gastroenterol Vyz** 1983 Nov;37(6–7):379–84 (Eng. Abstr.) **(Cze)**
[Circulating immunocomplexes in women with gynecologic tumors] Tošner J, et al. **Cesk Gynekol** 1983 Jun;48(5):339–45 (Eng. Abstr.) **(Cze)**
[Circulating immune complexes in multiple sclerosis] Hrazdira CL, et al. **Cesk Neurol Neurochir** 1984 May; 47(3):173–6 (Eng. Abstr.) **(Cze)**
[Blood group antigens may be the receptors for immunoallergic drug complexes reacting with erythrocytes] Habibi B, et al. **C R Seances Acad Sci [III]** 1983;296(15):693–6 (Eng. Abstr.) **(Fre)**
[Circulating immune complexes in patients with chronic liver diseases (letter)] Pazzi P, et al. **Gastroenterol Clin Biol** 1984 Apr;8(4):384–5 **(Fre)**
[Therapeutic efficacy of human immunoglobulins related to their antibody activity against circulating antigens in children with recurrent infections] Masson PL. **Presse Med** 1983 Nov 17;12(41):2592–4 (Eng. Abstr.) **(Fre)**
[Circulating immune complexes and bronchopulmonary cancers] Pourrat JP, et al. **Rev Mal Respir** 1984;1(1):31–6 (Eng. Abstr.) **(Fre)**
[Circulating immune complexes and the prognosis of cancer] Carpentier N. **Rev Med Suisse Romande** 1983 Jul; 103(7):601–2 **(Fre)**
[Possibilities for the use of immunofluorescence in clinical immunologic diagnosis] Storch W. **Acta Histochem [Suppl] (Jena)** 1984;30:89–92 (Eng. Abstr.) **(Ger)**
[Immune complexes in the peripheral blood of healthy horses and horses with laminitis] Stanek C, et al. **Berl Munch Tierarztl Wochenschr** 1984 Jan 1;97(1):25–8 (Eng. Abstr.) **(Ger)**
[Demonstration of circulating immune complexes using a C1q–solid phase enzyme immunoassay] Schössler W, et al. **Biomed Biochim Acta** 1983;42(7–8):1027–35 (Eng. Abstr.) **(Ger)**
[Demonstration of immune complexes on erythrocytes by scanning electron microscopy] Linke A, et al. **Folia Haematol (Leipz)** 1983;110(6):852–7 (Eng. Abstr.) **(Ger)**
[Circulating immune complexes in uveitis] Radda TM, et al. **Klin Monatsbl Augenheilkd** 1983 Sep;183(3):211–2 (Eng. Abstr.) **(Ger)**
[Circulating immune complexes before and after kidney allotransplantation] Keusch G, et al. **Klin Wochenschr** 1984 Apr 16;62(8):360–5 (Eng. Abstr.) **(Ger)**
[Demonstration of circulating CEA or CEA–like antigens and immunoglobulin G containing immune complexes in colorectal carcinoma] Pompecki R. **Klin Wochenschr** 1984 Apr 2;62(7):307–14 (Eng. Abstr.) **(Ger)**
[Immunologic aspects of solitary eosinophilic granuloma of the lung] Kleckow M, et al. **Prax Klin Pneumol** 1983 Oct; 37 Suppl 1:578–9 (Eng. Abstr.) **(Ger)**
[Angiotensin converting enzyme, lysozyme and circulating immune complexes in the serum of patients with sarcoidosis and other interstitial lung diseases] Nerger K, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:557–61 (Eng.

Abstr.) (Ger)
[Is the demonstration of immune complex useful in the activity assessment of chronic polyarthritis?] Schlumpf U, et al. **Schweiz Med Wochenschr** 1984 Jan 28;114(4):118–30 (66 ref.) (Eng. Abstr.) (Ger)
[Cutaneous necrotizing vasculitis caused by immunocomplexes during treatment with levamisole] Ferlazzo B, et al. **Boll Ist Sieroter Milan** 1983 Mar 31; 62(1):107–11 (Eng. Abstr.) (Ita)
[Acute viral hepatitis in the Florence area: II. Immunologic study] Passaleva A, et al. **Boll Ist Sieroter Milan** 1983 Jul; 62(3):224–37 (Eng. Abstr.) (Ita)
[Use of the C1q binding assay in the analysis of immune complexes: personal experiences with its clinical use and future prospectives] Corvetta A, et al. **G Clin Med** 1983 Sep–Oct;64(9–10):337–48 (Eng. Abstr.) (Ita)
[Evaluation of circulating immune complexes in hemolymphopathies] Delsignore R, et al. **G Clin Med** 1984 Mar–Apr;65(3–4):157–62 (Eng. Abstr.) (Ita)
[Immunocomplexes in acute placenta pathology] Daluiso BD, et al. **Minerva Ginecol** 1983 Oct;35(10):629–33 (Eng. Abstr.) (Ita)
[Considerations on the possible immune nature of abortions] Laureti E. **Minerva Ginecol** 1984 Jan–Feb;36(1–2):15–6 (Eng. Abstr.) (Ita)
[Antibody-dependent cell-mediated cytotoxicity (K-cell population) of peripheral lymphocytes in Kawasaki disease and allergic conditions. 1. Relation between K-cell population and the blood immune complex content in Kawasaki disease] Suzuki M. **Arerugi** 1983 Mar; 32(3):164–72 (Eng. Abstr.) (Jpn)
[A study of immune complexes in Kawasaki disease] Yanase Y, et al. **Arerugi** 1984 Jan;33(1):59–65 (Eng. Abstr.) (Jpn)
[Detection of circulating immune complexes by enzyme immunoassay. A basic study of C1q enzyme immunoassay and anti-C3 enzyme immunoassay using microplates] Yokoyama K. **Arerugi** 1984 Feb;33(2):117–26 (Eng. Abstr.) (Jpn)
[Immune complexes in experimental autoimmune uveo-retinitis] Sakai J. **Nippon Ganka Gakkai Zasshi** 1983; 87(11):1288–99 (Eng. Abstr.) (Jpn)
[Circulating immune complexes in progressive systemic scleroderma and morphea] Yotsumoto H, et al. **Nippon Hifuka Gakkai Zasshi** 1983 May;93(6):579–83 (Jpn)
[Detection of circulating immune complexes and their blocking effect on cell-mediated cytotoxicity in patients with urological cancers] Kobayashi K. **Nippon Hinyokika Gakkai Zasshi** 1983 Sep;74(9):1674–86 (Eng. Abstr.) (Jpn)
[The significance of serum immune complex in patients with chronic glomerulonephritis] Kiso N. **Nippon Jinzo Gakkai Shi** 1983 Oct;25(10):1167–74 (Eng. Abstr.) (Jpn)
[Relationship between the serum immune complex levels and the peripheral lymphocyte subpopulations in chronic glomerulonephritis] Kiso N. **Nippon Jinzo Gakkai Shi** 1983 Nov;25(11):1317–24 (Eng. Abstr.) (Jpn)
[The relationship between serum immune complex levels and peripheral lymphocyte subpopulations in systemic lupus erythematosis] Kiso N. **Nippon Jinzo Gakkai Shi** 1983 Oct; 25(10):1183–8 (Eng. Abstr.) (Jpn)
[Immune complex in patients with nephrotic syndrome and collagen diseases] Kiso N. **Nippon Jinzo Gakkai Shi** 1983 Oct;25(10):1175–81 (Eng. Abstr.) (Jpn)
[Serial studies of serum immune complexes and complements in patients with glomerulonephritis] Nakayama S, et al. **Nippon Jinzo Gakkai Shi** 1984 Feb;26(2):163–9 (Eng. Abstr.) (Jpn)
[Immune complex deposits(IgG-IgG-antinuclear antibody/rheumatoid factor) in tissues of NZB/W F1 mice] Takase S, et al. **Nippon Jinzo Gakkai Shi** 1983 Aug; 25(8):949–60 (Eng. Abstr.) (Jpn)
[Detection of glomerular antigens in experimental nephritis (passive Heymann nephritis, serum sickness, and Masugi nephritis)—focal glomerular desensitization and the immuno-deposition elution test] Uchida J, et al. **Nippon Jinzo Gakkai Shi** 1983 Aug;25(8):961–81 (Eng. Abstr.) (Jpn)
[Clinical significance of serum immune complex in collagen diseases. Relation between diseases and analytic methods] Nobunaga M, et al. **Nippon Naika Gakkai Zasshi** 1983 Oct; 72(10):1360–9 (Jpn)
[Evaluation of circulating immune complexes in leprosy in relation to clinical activity, antileprosy agents, bacterial indices and anti-DNA antibodies] Furukawa F, et al. **Nippon Rai Gakkai Zasshi** 1983 Apr–Jun;52(2):102–10 (Eng. Abstr.) (Jpn)
[Serum lysozyme and circulating immune complexes in patients with leprosy] Suzuki H, et al. **Nippon Rai Gakkai Zasshi** 1984 Jan–Mar;53(1):23–7 (Eng. Abstr.) (Jpn)
[Studies on circulation immune complexes and anti-M. leprae antibody in patients with leprosy] Suzuki H, et al. **Nippon Rai Gakkai Zasshi** 1984 Jan–Mar;53(1):15–22 (Eng. Abstr.) (Jpn)
[Immune complex and complement levels in spontaneous abortions and normal pregnancy] Saitoh S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1983 Nov; 35(11):1981–90 (Eng. Abstr.) (Jpn)
[Determination of circulating immune complexes in hematological diseases by Clq ELISA (a microplate method)] Hayashi S, et al. **Rinsho Byori** 1983 Jun; 31(6):621–4 (Jpn)
[Presence of anti-placental ALP antibody and intestinal ALP linked to immunoglobulins in a patient with myasthenia gravis] Umeki K, et al. **Rinsho Byori** 1983 Oct; 31(10):1093–8 (Jpn)
[Case of disseminated eosinophilic collagen disease with peripheral neuropathy and increase in the serum immune complexes] Nakano T, et al. **Rinsho Shinkeigaku** 1983 Nov; 23(11):991–7 (Eng. Abstr.) (Jpn)
[Clinical significance of immune complexes at the motor endplate in myasthenia gravis] Tsujihata M, et al. **Rinsho Shinkeigaku** 1983 Sep;23(9):735–43 (Eng. Abstr.) (Jpn)
[Clinical significances of circulating immune complexes in connective tissue diseases—detection by C1q deviation test, precipitin reaction of C1q in gel diffusion, anti-antibody inhibition test and precipitation with polyethylene glycol] Yasuda M. **Ryumachi** 1983 Oct;23(5):315–26 (Eng. Abstr.) (Jpn)
[Results of studies on circulating immune complexes in newborn infants with infections] Maszkiewicz W. **Pediatr Pol** 1983 Mar;58(3):221–7 (Eng. Abstr.) (Pol)
[Immune complexes in the serum of persons occupationally exposed to vinyl chloride] Bogdanikowa B, et al. **Przegl Lek** 1984;41(3):253–7 (Eng. Abstr.) (Pol)
[Circulating immune complexes in parturients] Maszkiewicz W. **Wiad Lek** 1983 Jun 15;36(12):981–5 (Eng. Abstr.) (Pol)
[A simple rapid method for the determination of circulating immune complexes in neoplasms: correlation with the course of the disease] Lescher AD, et al. **AMB** 1984 Jan–Feb;30(1–2):11–3 (Eng. Abstr.) (Por)
[Immune complexes in rheumatoid polyarthritis] Banciu M, et al. **Rev Med Interna [Med Interna]** 1982 May–Jun; 34(3):257–65 (Eng. Abstr.) (Rum)
[Circulating immune complexes in the mother–fetus system] Fazleeva LK. **Akush Ginekol (Mosk)** 1984 Jun;(6):66–7 (Rus)
[Antitissue antibodies in patients with severe mechanical injury during the post-traumatic period] Red'kin IuV, et al. **Anesteziol Reanimatol** 1983 Jul–Aug;(4):44–7 (Eng. Abstr.) (Rus)
[Circulating and tumor tissue-bound immune complexes in patients with breast cancer] Dorosevich AE. **Arkh Patol** 1983;45(7):30–6 (Eng. Abstr.) (Rus)
[Circulating immune complexes and heterophilic hemolysins in burn injury] Pashutin SB, et al. **Biull Eksp Biol Med** 1984 Mar;97(3):324–6 (Eng. Abstr.) (Rus)
[Circulating immune complexes in experimental hypertension and the combination of hypertension with cholesterol administration in animals of various ages] Naumova OP. **Fiziol Zh** 1984 Jan–Feb;30(1):121–2 (Rus)
[Circulating immune complexes in the blood serum in acute pancreatitis] Shalimov SA, et al. **Klin Med (Mosk)** 1984 Feb;62(2):101–4 (Eng. Abstr.) (Rus)
[Determination of Mycoplasma pneumoniae antigens, free and bound to immune complexes, in patients with acute respiratory diseases] Gorina LG, et al. **Lab Delo** 1983; (11):8–10 (Eng. Abstr.) (Rus)
[Methods of identifying circulating immune complexes (review of the literature)] Osipov SG, et al. **Lab Delo** 1983; (11):3–8 (60 ref.) (Eng. Abstr.) (Rus)
[Protein shifts and the immunoglobulin and immune complex content of the blood serum or tropical malaria patients in the Socialist Republic of Vietnam] Vu CA. **Med Parazitol (Mosk)** 1983 Sep–Oct;(5):16–8 (Eng. Abstr.) (Rus)
[Interferon, T lymphocytes and immune complexes in ocular herpes] Mal'khanov VB, et al. **Oftalmol Zh** 1983; 38(3):166–9 (Eng. Abstr.) (Rus)
[Circulating immune complexes and the cellular and humoral immunity indices in pyelo- and glomerulonephritis in children] Chebotareva VD, et al. **Pediatriia** 1984 Jun; (6):11–3 (Eng. Abstr.) (Rus)
[Content of circulating immune complexes and complement in idiopathic thromocytopenic purpura in children] Khemraev TKh. **Pediatriia** 1984 Feb;(2):24–6 (Eng. Abstr.) (Rus)
[B-lymphocytes and the level of circulating immune complexes in pulmonary tuberculosis patients treated with chemotherapy and vitamins] Volosevich GV. **Probl Tuberk** 1983 Jul;(7):20–2 (Eng. Abstr.) (Rus)
[Clinical significance of circulating immune complexes in systemic scleroderma] Musaev SK, et al. **Revmatologiia (Moskva)** 1984 Apr–Jun;(2):48–50 (Eng. Abstr.) (Rus)
[Clinical evaluation of two methods of determination of circulating immune complexes in rheumatic diseases] Kositskaia LS, et al. **Ter Arkh** 1983;55(7):18–24 (Eng. Abstr.) (Rus)
[Inhibitory effect of sera from patients with rheumatic diseases on EA-rosette formation] Nasonov EL, et al. **Ter Arkh** 1983;55(7):32–7 (Eng. Abstr.) (Rus)
[Immunological and biochemical characteristics of circulating immune complexes in rheumatoid arthritis and systemic lupus erythematosus] Venalis AI, et al. **Ter Arkh** 1983;55(7):24–8 (Rus)
[Isolation and characteristics of immune complexes circulating in the serum of acute leukemia patients] Dibrova TL, et al. **Ukr Biokhim Zh** 1984 Jan–Feb;56(1):3–9 (Eng. Abstr.) (Rus)
[Role of various factors of humoral and cellular immunity in the pathogenesis of syphilis] Borisenko KK, et al. **Vestn Dermatol Venerol** 1984 Jun;(6):30–4 (Eng. Abstr.) (Rus)
[Circulating immune complexes and neutrophil function in syphilis] Glavinskaia TA, et al. **Vestn Dermatol Venerol** 1984 Jul;(7):27–30 (Eng. Abstr.) (Rus)
[Circulating immune complexes in patients with vasculitis of the skin] Ivanov OL, et al. **Vestn Dermatol Venerol** 1983 Oct;(10):11–4 (Eng. Abstr.) (Rus)
[Analysis of the composition of cell-bound immune complexes by the ELISA method in patients receiving gonovaccine] Navol'nev SO. **Vestn Dermatol Venerol** 1983 Nov;(11):23–7 (Eng. Abstr.) (Rus)
[Role of immune complexes in the pathogenesis of psoriasis] Rodin IuA. **Vestn Dermatol Venerol** 1983 Sep;(9):12–3 (Eng. Abstr.) (Rus)
[Circulating immune complexes in the serum of patients after partial or total removal of the pancreas] Fedishin PS, et al. **Vrach Delo** 1983 Oct;(10):56–8 (1 ref.) (Rus)
[Circulating immune complexes in bronchial asthma] Rudyk BI. **Vrach Delo** 1983 Jun;(6):54–6 (Eng. Abstr.) (Rus)
[Indices of the immune reactivity of patients with ischemic heart disease] Terletskaia LM. **Vrach Delo** 1984 May; (5):86–8 (Eng. Abstr.) (Rus)
[Free and bound antigen of Streptococcus group A L forms and the circulating immune complex level of erysipelas patients] Gorina LG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Sep;(9):106–9 (Eng. Abstr.) (Rus)
[Circulating immune complexes in the serum of mental patients and healthy subjects] Vetlugina TP, et al. **Zh Nevropatol Psikhiatr** 1984;84(3):422–6 (Eng. Abstr.) (Rus)
[Clinical significance of the appearance and dynamics of immune complexes in patients with chronic hepatitis] Božić M, et al. **Srp Arh Celok Lek** 1983 Jul;111(7):889–903 (Eng. Abstr.) (Scc)
[Circulating immune complexes in treated latent syphilis] Vignale RA, et al. **Med Cutan Iber Lat Am** 1983; 11(3):205–10 (Eng. Abstr.) (Spa)

BIOSYNTHESIS

The kinetics of [3H]-dsDNA/anti-DNA immune complex formation, binding by red blood cells, and release into serum: effect of DNA molecular weight and conditions of antibody excess. Horgan C, et al. **J Immunol** 1984 Oct; 133(4):2079–84

BLOOD

Circulating immune complexes in primary sclerosing cholangitis [letter] Mihas AA, et al. **Hepatology** 1984 Mar–Apr;4(2):351–2

CEREBROSPINAL FLUID

The influence of high-dose prednisone medication on autoantibody specific activity and on circulating immune complex level in cerebrospinal fluid of multiple sclerosis patients. Wajgt A, et al. **Acta Neurol Scand** 1983 Dec; 68(6):378–85
Immune complexes in cerebrospinal fluid and serum of neurological patients. Possible intrathecal formation in bacterial meningitis and herpetic encephalitis. Sindic CJ, et al. **J Neuroimmunol** 1984 Feb;6(1):9–18

GENETICS

[Genetic control of the immune response to Streptococcus mutans, insulins and (T,G)-A--L in the rat] Inomata T. **Hokkaido Igaku Zasshi** 1983 Jul;58(4):406–19 (Eng. Abstr.) (Jpn)

IMMUNOLOGY

Circulating immune complexes and peripheral B lymphocytes in non insulin dependent diabetic patients. Barañao RI, et al. **Acta Physiol Lat Am** 1983;33(2):111–6
Mechanisms of mediator release from neutrophils. Weissmann G, et al. **Adv Exp Med Biol** 1984;172:527–52
Immune complexes—pathogenetic factors of autoimmune systemic lupus erythematosus. Wollina U. **Allerg Immunol (Leipz)** 1984;30(1):3–13 (177 ref.)
Immune complexes in human malignant tumours. A review. Segal-Eiras A, et al. **Allergol Immunopathol (Madr)** 1984 May–Jun;12(3):225–32 (56 ref.)
Acute immune complex mediated glomerulonephritis in a Chinese girl with Wiskott-Aldrich syndrome variant. Lin CY, et al. **Ann Allergy** 1984 Jul;53(1):74–8
Neutrophil activation by immune complexes and the role of rheumatoid factor. Gale R, et al. **Ann Rheum Dis** 1984 Feb; 43(1):34–9
Changes in normal polymorphonuclear leucocyte motility after ingestion of IgG aggregates. Goddard DH, et al. **Ann Rheum Dis** 1984 Apr;43(2):146–50
Anti-hapten antibodies and autoantibodies in Japanese patients with lepromatous leprosy. Furukawa F, et al. **Arch Dermatol Res** 1984;276(3):195–8
Bowel-associated dermatosis-arthritis syndrome. Immune complex-mediated vessel damage and increased neutrophil migration. Jorizzo JL, et al. **Arch Intern Med** 1984 Apr; 144(4):738–40

Inclusion body myositis and chronic immune thrombocytopenia. Riggs JE, et al. **Arch Neurol** 1984 Jan; 41(1):93–5

Lack of activation of C1, despite circulating immune complexes detected by two C1q methods, in patients with rheumatoid arthritis. Hack CE, et al. **Arthritis Rheum** 1984 Jan;27(1):40–8

Studies on the kinetics of binding of complement-fixing dsDNA/anti-dsDNA immune complexes to the red blood cells of normal individuals and patients with systemic lupus erythematosus. Horgan C, et al. **Arthritis Rheum** 1984 Mar; 27(3):320–9

The ability of IgA to inhibit complement consumption by complement-fixing antigens and antigen-antibody complexes. Russell-Jones GJ, et al.
Aust J Exp Biol Med Sci 1984 Feb;62 (Pt 1):1–10

Immune complexes and human neoplasia. I. Salinas FA, et al. **Biomed Pharmacother** 1983;37(3):119–25 (65 ref.)

Specific IgE antibodies and IgE containing circulating immune complexes in human schistosomiasis. Feldmeier H, et al. **Bull Soc Pathol Exot Filiales** 1983 Nov;76(5):571–8

Characterization of antigenic components from circulating immune complexes in patients with gestational trophoblastic neoplasia. Lahey SJ, et al. **Cancer** 1984 Mar 15;53(6):1316–21

Chemotherapy-increased antineoplastic effects of antibody-toxin conjugates. Sironi M, et al.
Cancer Treat Rep 1984 Apr;68(4):643–5

Complement-mediated solubilization of immune complexes. Solubilization inhibition and complement factor levels in SLE patients. Baatrup G, et al. **Clin Exp Immunol** 1984 Feb;55(2):313–8

IgA1 and IgA2 immune complexes in primary IgA nephropathy and Henoch-Schönlein nephritis. Coppo R, et al. **Clin Exp Immunol** 1984 Sep;57(3):583–90

Effect of rheumatoid factors and normal human sera on immune complex-Fc gamma R interaction. Isturiz MA, et al. **Clin Exp Immunol** 1983 Oct;54(1):225–31

Inhibition of complement-mediated solubilization of antigen-antibody complexes by sera from patients with rheumatoid arthritis. Naama JK, et al.
Clin Exp Immunol 1983 Nov;54(2):429–38

Macrophage triggering by aggregated immunoglobulins. II. Comparison of IgE and IgG aggregates or immune complexes. Pestel J, et al. **Clin Exp Immunol** 1984 Aug; 57(2):404–12

Vasoactivity generated from platelets by immune complexes in pre-eclampsia. Medcalf RL, et al.
Clin Exp Pharmacol Physiol 1983 May–Jun;10(3):369–73

Glomerular and vascular IgG deposits in HgCl2 nephritis: role of circulating antibodies and of immune complexes. Houssin D, et al. **Clin Immunol Immunopathol** 1983 Nov; 29(2):167–80

Membranous and vascular choroidopathy: two patterns of immune deposits in systemic lupus erythematosus. Schwartz MM, et al. **Clin Immunol Immunopathol** 1983 Dec;29(3):369–80

Mesangial immune deposits induced in rats by antibodies to fibronectin. Zanetti M, et al.
Clin Immunol Immunopathol 1984 Jun;31(3):353–63

New aspects of the pathogenesis of immune complex glomerulonephritis: formation of subepithelial deposits. Vogt A. **Clin Nephrol** 1984 Jan;21(1):15–20 (40 ref.)

Interactions of food antigens, antibodies, and antigen-antibody complexes in health and disease. Paganelli R, et al. **Clin Rev Allergy** 1984 Feb;2(1):69–78 (55 ref.)

Antibodies to the most tightly bound proteins in eukaryotic DNA. Formation of immuno-complexes with 'nuclear matrix' components. Werner D, et al. **Exp Cell Res** 1984 Apr;151(2):384–95

IgA-mediated elimination of antigens by the hepatobiliary route. Brown TA, et al. **Fed Proc** 1983 Dec;42(15):3218–21

Conversion of the C3 component of complement in sera of hamseniasis patients. Kliemann TA, et al. **Hansenol Int** 1983 Jun;8(1):5–8

Circulating immune complexes and the nephropathy of cystic fibrosis. Davis CA, et al. **Hum Pathol** 1984 Mar;15(3):244–7

Control of immune complex and zymosan-mediated anaphylatoxin generation by proteins B and H of the alternative complement pathway. Kings M, et al.
Immunology 1984 Jan;51(1):123–31

Role of antibody in in vitro stimulation of lymphocytes. Kapoor AK, et al. **Indian J Exp Biol** 1983 Nov;21(11):583–4

Murine malaria: immune complexes inhibit Fc receptor-mediated phagocytosis. Shear HL.
Infect Immun 1984 Apr;44(1):130–6

Phagocytosis, in vivo, of immune complexes by dendritic cells in the lymph of sheep. Hall JG, et al.
Int Arch Allergy Appl Immunol 1984;73(2):155–61

Polyethylene glycol precipitates in serum during and after erythema nodosum leprosum—study of their composition and anticomplementary activity. Saha K, et al.
Int J Lepr 1984 Mar;52(1):44–8

Trypanosome antigen-antibody complexes and immunoconglutinin interactions in African trypanosomiasis. Rickman WJ, et al. **Int J Parasitol** 1983 Aug;13(4):389–92

Circulating immune complexes: their immunochemistry, biology, and detection in selected dermatologic and systemic diseases. Yancey KB, et al.
J Am Acad Dermatol 1984 May;10(5 Pt 1):711–31 (138 ref.)

Pyran (MVE-5) reverses the inhibition of macrophage receptors for cytophilic antibody induced by soluble immune complexes. Rao VS, et al.
J Biol Response Mod 1983;2(1):67–80

Solubilization of immune complexes and inhibition of immune precipitation in SLE sera. Balestrieri G, et al.
J Clin Lab Immunol 1983 Nov;12(3):147–50

The production of antibody-dependent cellular cytotoxicity by immune complexes in systemic lupus erythematosus. Penning CA, et al. **J Clin Lab Immunol** 1984 Mar; 13(3):123–7

The specific detection of IgG, IgA and the complement components C3 and C4 in circulating immune complexes. Valentijn RM, et al. **J Clin Lab Immunol** 1984 Jun; 14(2):81–6

Neoantigens appear in human IgG upon antigen binding: detection by antibodies that react specifically with antigen-bound IgG. Brown EJ, et al. **J Immunol** 1984 Mar; 132(3):1346–52

Immune complexes and immunoconglutinin interactions associated with altered lymphocyte activity in Plasmodium chabaudi infections. Cox HW, et al. **J Parasitol** 1983 Oct; 69(5):809–13

Identification of bacteria in immunopathological mechanisms of human periodontal diseases. Peković DD, et al.
J Periodont Res 1984 Jul;19(4):329–51

Splenomegaly and immune complex splenitis in rabbits with experimentally induced chronic serum sickness: immunopathological findings. Albini B, et al.
J Reticuloendothel Soc 1983 Dec;34(6):485–500

Autologous immune complex nephritis in rats. Influence of modification of mononuclear phagocyte system function. Abrass CK. **Lab Invest** 1984 Aug;51(2):162–71

Glomerular localization of preformed immune complexes prepared with anionic antibodies or with cationic antigens. Gauthier VJ, et al. **Lab Invest** 1984 Jun;50(6):636–44

Influence of altered glomerular permeability on renal tubular immune complex formation and clearance. Ishidate T, et al. **Lab Invest** 1983 Nov;49(5):582–8

Complement, the immune-complex lattice, and the pathophysiology of complement-deficiency syndromes. Schifferli JA, et al. **Lancet** 1983 Oct 22;2(8356):957–9

Protein kinase activities in immune complexes of simian virus 40 large T-antigen and transformation-associated cellular p53 protein. Van Roy F, et al. **Mol Cell Biol** 1984 Feb; 4(2):232–9

Immunoglobulin-mediated shifting of immune complexes to increased complement-dependent solubility and immunoadherence. Spycher MO, et al. **Mol Immunol** 1984 Jun;21(6):497–505

In situ formation of subepithelial immune complexes in the rabbit glomerulus: requirement of a cationic antigen. Ward HJ, et al. **Nephron** 1984;36(4):257–64

Selective killing of Fc-receptor-bearing tumor cells through endocytosis of a drug-carrying immune complex. Shen WC, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(5):1445–7

Antigen-antibody complex binding and cell interaction in stimulating normal rabbit lymphocytes. Soderberg LS.
Proc Soc Exp Biol Med 1983 Nov;174(2):229–38

Immune complexes in subacute sclerosing panencephalitis. Abdelnoor AM, et al. **Prog Brain Res** 1983;59:145–8

Analysis of antigens in the circulating immune complexes of patients with Coxsackie infections. Al Kadiry WA, et al. **Prog Brain Res** 1983;59:61–7

Identification of myelin basic protein (MBP) in circulating immune complexes (CIC) from some multiple sclerosis (MS) patients. Dasgupta MK, et al. **Prog Clin Biol Res** 1984;146:353–8

Immunological abnormalities in myelofibrosis. Gordon B.
Prog Clin Biol Res 1984;154:455–63

Monocyte lysosomal enzyme release in response to naturally occurring circulating immune complexes. Aggarwal R, et al. **Scand J Immunol** 1984 Feb;19(2):159–64

Suppression of zymosan-induced chemiluminescence of whole blood by conjugates composed of drug, guinea pig skin extracts and sera from patients with suspicious drug eruptions. Kato T, et al. **Tohoku J Exp Med** 1983 Dec; 141(4):433–41

A role of complement receptors on polymorphonuclear leukocytes in the adherence to immune deposit. Yamamoto T, et al. **Tohoku J Exp Med** 1984 Jun;143(2):149–59

Detection of antimicrofilarial ES antigen-antibody in immune complexes in Bancroftian filariasis by enzyme immunoassay. Prasad GB, et al.
Trans R Soc Trop Med Hyg 1983;77(6):771–2

Comparison of the immunogenic effects of covalent-bonded immune complexes in mice and sheep. Naysmith JD, et al. **Vet Immunol Immunopathol** 1983 Nov;5(1):105–13

[Clinical significance of immune complex determinations] Penttinen K. **Duodecim** 1983;99(15):972–9 (31 ref.) **(Fin)**

[Rheumatoid polyarthritis. The role of immune complexes] Sany J, et al. **Presse Med** 1983 Dec 17;12(46):2915–7 **(Fre)**

[The role of immune complexes in the pathogenesis of vasculitis] Goldman M. **Rev Med Brux** 1983 Oct; 4(8):549–51 (Eng. Abstr.) **(Fre)**

[Interaction between fibronectin and aggregated IgG] Menzel EJ, et al. **Wien Klin Wochenschr** 1983 Dec 23;95(24):880–4 (Eng. Abstr.) **(Ger)**

[Effects of the rheumatoid factor on fixation of immune complex-complement complex on erythrocytes] Hirose S, et al. **Ryumachi** 1983 Jun;23(3):135–40 (Eng. Abstr.) **(Jpn)**

[Experimental injury of the aorta of rabbits of various ages by immune complexes] Zaĭchenko AP, et al. **Fiziol Zh** 1983 Jul–Aug;29(4):405–10 (Eng. Abstr.) **(Rus)**

[Immune reactivity in patients with torpid rheumatism and infectious-allergic myocarditis] Mitchenko EI.
Vrach Delo 1983 Jun;(6):27–30 (Eng. Abstr.) **(Rus)**

[Action of cysteine hydrochloride in the body on the immune response and the formation of antigen-antibody complexes] Popova OIa, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Jan;(1):60–2 (Eng. Abstr.) **(Rus)**

[Experimental basis for using Soviet bentonite clays as immunosorbents for serological studies] Somov GP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Jul;(7):97–101 (Eng. Abstr.) **(Rus)**

[Immunoglobulins, immune complexes and precipitins in allergic diseases] Ortega Gómez H. **Alergia** 1984 Apr–Jun; 31(2):57–62 (62 ref.) (Eng. Abstr.) **(Spa)**

ISOLATION & PURIFICATION

Circulating immune complexes in regularly dialyzed patients with chronic renal failure. Perez GO, et al.
Am J Nephrol 1984;4(4):215–21

The purification and identification of circulating immune complexes in tuberculosis. May JJ, et al.
Am Rev Respir Dis 1983 Nov;128(5):920–5

Isolation of molecules recognized by monoclonal antibodies and antisera: the solid phase immunoisolation technique. Tamura GS, et al. **Anal Biochem** 1984 Feb;136(2):458–64

Extractable immune complex in soluble substances from psoriatic scales. Kaneko F, et al. **Arch Dermatol Res** 1984; 276(1):45–51

Immune complexes in children with different forms of glomerulonephritis. Madaliński K, et al.
Arch Immunol Ther Exp (Warsz) 1983;31(2):191–7

Isolation and characterization of circulating immune complexes in patients with rheumatoid arthritis. Perego R, et al. **Boll Ist Sieroter Milan** 1983 Nov 30;62(5):462–8

Effects of tumor growth on interleukins and circulating immune complexes. Mechanisms of immune unresponsiveness. Ravikumar T, et al. **Cancer** 1984 Mar 15;53(6):1373–8

Rapid loss of lactate dehydrogenase isoenzyme activity in serum by cold-induced formation of immunoglobulin G-lactate dehydrogenase complex. Wickus GG, et al.
Clin Chem 1984 Jan;30(1):11–7

Isolation and analysis of circulating immune complexes in leprosy. Ramanathan VD, et al.
Clin Immunol Immunopathol 1984 Sep;32(3):261–8

Presence of a specific immune complex in the cell-free ascites of a spontaneously metastasizing rat mammary adenocarcinoma, TMT-081. Ghosh SK, et al.
Immunol Commun 1984;13(1):63–76

Advantages of sequential polyethylene glycol (PEG) precipitations to isolate and analyze circulating immune complexes. Eskinazi DP. **Immunol Lett** 1984;7(4):221–8

Partial characterization of circulating macromolecular beta 2-microglobulin complexes by density gradient ultracentrifugation and page-blotting. Falus A, et al.
Immunol Lett 1983;7(2):61–4

Isolation and preliminary characterization of circulating immune complexes from rabbits with experimental syphilis. Baughn RE, et al. **Infect Immun** 1983 Nov;42(2):579–84

Circulating immune complexes in experimental syphilis: identification of treponemal antigens and specific antibodies to treponemal antigens in isolated complexes. Baughn RE, et al. **Infect Immun** 1983 Nov;42(2):585–93

Precipitable immune complexes in Hodgkin's disease. Euler HH, et al. **Int J Cancer** 1983 Oct 15;32(4):437–41

Preparative isolation of immune complexes from serum by sucrose gradient ultracentrifugation. Rødahl E, et al.
Scand J Immunol 1984 Jul;20(1):21–6

Selective removal of immune complexes by cryofiltration in rheumatoid arthritis. Abe Y, et al.
Trans Am Soc Artif Intern Organs 1983;29:730–4

Immune complexes in experimental alveolar hydatidosis. Ali-Khan Z, et al. **Tropenmed Parasitol** 1983 Sep; 34(3):187–92

[Circulating immune complexes in malignant rheumatoid arthritis] Ezaki I. **Ryumachi** 1983 Oct;23(5):367–39 (Eng. Abstr.) **(Jpn)**

METABOLISM

Defense proteins and immune complexes in the blood serum of women with inflammatory and neoplastic lesions of the ovary. Zbroja-Sontag W. **Am J Reprod Immunol** 1983 Jul–Aug;4(1):11–20

Human prostatic acid phosphatase: properties of the native enzyme, and the enzyme-antibody complex. Bais R, et al.
Ann Clin Biochem 1983 Nov;20 (Pt 6):374–80

Hemophilia, antihemophilic factor, and immune complexes [letter] Kimberly RP, et al. **Ann Intern Med** 1984 Jun; 100(6):915–6

Clearance kinetics of heterologous antigen and antigen-antibody complexes in Schistosoma mansoni infected mice. Kestens L, et al.
Ann Soc Belg Med Trop 1984 Mar;64(1):21–36

Interaction of ferritin with serum: implications for ferritin turnover. Covell AM, et al. **Clin Chim Acta** 1984 May 16; 139(1):75–84

Intestinal alkaline phosphatase linked to immunoglobulin G of the kappa type. Kohno H, et al. **Clin Chim Acta** 1983 Nov 30;135(1):41–8

Binding of immunoglobulins and immune complexes to cartilage derived extracts. Alomari WR, et al. **Clin Exp Immunol** 1983 Dec;54(3):716–22

Polyclonal B cell activation, circulating immune complexes and autoimmunity in human american visceral leishmaniasis. Galvão-Castro B, et al. **Clin Exp Immunol** 1984 Apr;56(1):58–66

Immune adherence and staphylococcus protein A binding of soluble immune complexes produced by complement activation. Schifferli JA, et al. **Clin Exp Immunol** 1983 Dec; 54(3):827–33

Specific autoantibody slows the rapid plasma clearance of 125I-SS-B (La) in mice. Schrieber L, et al. **Clin Exp Immunol** 1984 Jun;56(3):621–7

Factors influencing the binding of large immune complexes to the primate erythrocyte CR1 receptor. Cornacoff JB, et al. **Clin Immunol Immunopathol** 1984 Feb;30(2):255–64

Effect of antigen charge on immune complex interaction with glomerular cells in culture. Lavelle KJ, et al. **Clin Immunol Immunopathol** 1984 Aug;32(2):198–211

Effects of staphylococcal protein A on distribution of immune complexes in rats and uptake by phagocytic cells. Siag WM, et al. **Clin Immunol Immunopathol** 1984 Apr; 31(1):102–8

Control of the immune complex-complement interaction by protein H of the alternative complement pathway and the natural inhibitor heparin. Spycher MO, et al. **Eur J Immunol** 1984 Mar;14(3):276–9

Activation of the binding of C1q to immune complexes by zinc. Easterbrook-Smith SB. **FEBS Lett** 1983 Oct 3; 162(1):117–9

The effect of bile duct obstruction on the clearance of circulating IgA immune complexes. Harmatz PR, et al. **Hepatology** 1984 Jan-Feb;4(1):96–100

The nature of IgG complexes in alcoholic liver disease. Stoltenberg PH, et al. **Hepatology** 1984 Jan-Feb;4(1):101–6

Clearance and organ localization of particles and soluble complexes in mice with circulating complexes. Carter SD, et al. **Immunology** 1984 Aug;52(4):761–9

Follicular trapping of hapten-erythrocyte-antibody complexes in mouse spleen. Enriquez-Rincon F, et al. **Immunology** 1984 May;52(1):107–16

Macromolecular charge and reticuloendothelial function: comparison between the kinetics of administered native and cationized ferritins and the corresponding immune complexes in the mouse. Genin C, et al. **Immunology** 1984 Feb;51(2):225–38

Relation of intra-splenic migration of marginal zone B cells to antigen localization on follicular dendritic cells. Gray D, et al. **Immunology** 1984 Aug;52(4):659–69

Quantitative analyses of complement fixation in three immune complex systems. Horgan C, et al. **Immunology** 1984 Aug; 52(4):753–9

IgM-RF prevents complement-mediated inhibition of immune precipitation. Mitchell WS, et al. **Immunology** 1984 Jul;52(3):445–8

Hepatic and kidney uptake of soluble monomeric and polymeric IgA aggregates. Sancho J, et al. **Immunology** 1984 May;52(1):161–7

Association of C1q- and conglutinin-binding immune complexes with high consumption of alpha-2-macroglobulin in synovial fluids of patients with rheumatoid arthritis. Borth W, et al. **Int Arch Allergy Appl Immunol** 1984;75(1):92–6

Enhancement of glomerular immune complex deposition by a circulating polycation. Barnes JL, et al. **J Exp Med** 1984 Jul 1;160(1):286–93

Covalent attachment of soluble proteins by nonenzymatically glycosylated collagen. Role in the in situ formation of immune complexes. Brownlee M, et al. **J Exp Med** 1983 Nov 1;158(5):1739–44

Nondissociating cationic immune complexes can deposit in glomerular basement membrane. Caulin-Glaser T, et al. **J Exp Med** 1983 Nov 1;158(5):1561–72

Clearance of circulating IgA immune complexes is mediated by a specific receptor on Kupffer cells in mice. Rifai A, et al. **J Exp Med** 1984 Jul 1;160(1):125–37

The blockade of Fc receptor-mediated clearance of immune complexes in vivo by a monoclonal antibody (2.4G2) directed against Fc receptors on murine leukocytes. Kurlander RJ, et al. **J Immunol** 1984 Aug;133(2):855–62

Abnormal binding of soluble IgG immune complexes to hepatic nonparenchymal cells of autoimmune mice. Magilavy DB, et al. **J Immunol** 1983 Dec;131(6):2784–8

Interaction of C3 with antigen-antibody complexes in the process of solubilization of immune precipitates. Takata Y, et al. **J Immunol** 1984 May;132(5):2531–7

Localization of preformed, circulating immune complexes in murine skin. Joselow SA, et al. **J Invest Dermatol** 1984 Apr;82(4):335–40

Serial circulating immune complexes and mononuclear phagocyte system function in infective endocarditis. Schned ES, et al. **J Lab Clin Med** 1983 Dec;102(6):947–59

Chronic neuropathy associated with immune complexes of hepatitis B virus. Tsukada N, et al. **J Neurol Sci** 1983 Oct; 61(2):193–210

The effect of age on antigen retention in lymphoid follicles and in collagenous tissue of mice. Holmes KL, et al. **Mech Ageing Dev** 1984 Apr-May;25(1-2):243–55

Delayed clearance of specific polymeric IgA immune complexes in patients with IgA nephropathy. Sancho J, et al. **Proc Eur Dial Transplant Assoc** 1983;20:617–22

Pepsin as an 'immune complex-ase'. Ohnishi H. **Ryumachi** 1984 Feb;24(1):9–17

Methods of reducing the effect of spontaneous dissociation of antigen-antibody interactions in radioimmunoassays with special reference to internal sample attenuator counting (ISAC). Eriksson H, et al. **Scand J Clin Lab Invest** 1983 Nov;43(7):575–81

Binding and activation of the first complement component by soluble immune complexes: effect of complex size and composition. Doekes G, et al. **Scand J Immunol** 1984 Feb; 19(2):99–110

Studies on the pathogenesis of Aleutian disease of mink. XII. Immunopathological determinants of immune complex glomerulonephritis. Müller-Peddinghaus R, et al. **Zentralbl Veterinarmed [B]** 1983 Aug;30(7):487–501

[Role of immunoglobulins in the activation of complement] Colomb MG, et al. **Presse Med** 1983 Nov 17;12(41):2577–82 (Eng. Abstr.) **(Fre)**

[Immune complexes in dermatology today. A critical inventory] Ueki H, et al. **Hautarzt** 1983 Aug;34(8):371–6 (Eng. Abstr.) **(Ger)**

[Enzyme breakdown of immune complexes] Steffen C, et al. **Z Rheumatol** 1983 Sep-Oct;42(5):249–55 (Eng. Abstr.) **(Ger)**

[Effect of plasmapheresis treatment on immunoglobulin and immune complex levels in patients following kidney transplantation] Kaden J, et al. **Z Urol Nephrol** 1984 May; 77(5):277–84 (Eng. Abstr.) **(Ger)**

[Solubilization and the behavior of solubilized IC in vivo] Ishida H, et al. **Nippon Jinzo Gakkai Shi** 1984 Jan; 26(1):21–9 (Eng. Abstr.) **(Jpn)**

[Comparison of the complement-binding activity of model immune complexes of different molecular weights] Konstantinova NA, et al. **Biull Eksp Biol Med** 1984 May; 97(5):583–5 (Eng. Abstr.) **(Rus)**

[Immunomorphologic changes in the skin in psoriasis] Al'banova VI, et al. **Vestn Dermatol Venerol** 1984 Jun; (6):7–10 (Eng. Abstr.) **(Rus)**

[Heat dissociation of antibodies bound to the erythrocyte membrane] Durán-Suárez JR, et al. **Sangre (Barc)** 1983; 28(5):557–62 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Immunopathological correlation between mesangial C3d-deposition and C3d-fixing circulating immune complexes in lupus nephritis. Muso E, et al. **Clin Immunol Immunopathol** 1984 Sep;32(3):351–8

Circulating immune complexes: a review. Newman JH. **Del Med J** 1983 Sep;55(9):507–12 (18 ref.)

Immunologic implications of insulin delivery and the role of immune complexes in diabetic sequelae. Charles MA, et al. **Diabetes Care** 1982 May-Jun;5 Suppl 1:88–92 (27 ref.)

Detection in vivo 6 hours after immunization of a mediator with possible antisuppressor activity. Al-Maghazachi A, et al. **Eur J Immunol** 1983 Oct;13(10):799–804

Superoxide radical production by human leukocytes exposed to immune complexes: inhibitory action of gold compounds. Roisman FR, et al. **Inflammation** 1983 Dec; 7(4):355–62

Influence of naturally occurring human immune complexes on monocyte movement in vitro. Batten S, et al. **Int Arch Allergy Appl Immunol** 1984;74(3):274–7

Inhibition of macrophage tumoricidal activity by immune complexes and altered erythrocytes. Esparza I, et al. **J Immunol** 1983 Nov;131(5):2117–21

Isotype-specific human suppressor T cells for IgE synthesis activated by IgE-anti-IgE immune complexes. Hassner A, et al. **J Immunol** 1984 Jun;132(6):2844–9

Lysosomal enzyme release from polymorphonuclear leukocytes induced by immune complexes of IgM and of IgG. Lucisano YM, et al. **J Immunol** 1984 Apr; 132(4):2015–20

Regulatory role for the immune complex in modulation of phagocytosis by 3-deazaadenosine. Medzihradsky JL. **J Immunol** 1984 Aug;133(2):946–9

IgE immune complexes induce immediate and prolonged release of leukotriene C4 (LTC4) from rat alveolar macrophages. Rankin JA, et al. **J Immunol** 1984 Apr; 132(4):1993–9

IgG-protein A complexes modulate thymidine incorporation into DNA of antibody and complement-stimulated cells. Shearer WT, et al. **J Immunol** 1984 May;132(5):2279–84

Transport of immune complexes from the subcapsular sinus to lymph node follicles on the surface of nonphagocytic cells, including cells with dendritic morphology. Szakal AK, et al. **J Immunol** 1983 Oct;131(4):1714–27

Suppression of the immune response to Listeria monocytogenes. I. Immune complexes inhibit resistance. Virgin HW 4th, et al. **J Immunol** 1984 Jul;133(1):104–9

The role of immune complexes in the activation of the first component of human complement. Ziccardi RJ. **J Immunol** 1984 Jan;132(1):283–8

Evidence supporting a role for immune complex-mediated inflammation in the pathogenesis of bullous lesions of systemic lupus erythematosus. Gammon WR, et al. **J Invest Dermatol** 1983 Oct;81(4):320–5

Effect of circulating immune complexes on transfusional therapy in patients with hemophilia or von Willebrand's disease. Celada A, et al. **Transfusion** 1984 Jan-Feb; 24(1):46–52

[The role of circulating immune complexes in the pathogenesis of Graves' disease] Funauchi M. **Nippon Naibunpi Gakkai Zasshi** 1983 Dec 20; 59(12):1912–27 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

[A case of aplastic anemia treated by allogeneic bone marrow transplantation using immunoadsorbent for major ABO incompatibility] Shinohara K, et al. **Rinsho Ketsueki** 1984 Apr;25(4):583–7 (Eng. Abstr.) **(Jpn)**

ANTIGEN-ANTIBODY REACTIONS

see related
ANTIBODIES
ANTIGENS
BINDING SITES, ANTIBODY
HYPERSENSITIVITY, IMMEDIATE

Rodent islet cell antigens recognized by antibodies in sera from diabetic patients. Baekkeskov S, et al. **Acta Biol Med Ger** 1982;41(12):1111–5

Antibody response to alpha- and betahemolysin from Staphylococcus aureus in patients with staphylococcal infections and in normals. Christensson B, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1983 Oct; 91(5):351–6

The effect of the physicochemical state of factor VIII on its interaction with human antibodies. Lazarchick J. **Ann Clin Lab Sci** 1984 Sep-Oct;14(5):375–80

Immune networks. **Ann NY Acad Sci** 1983;418:1–395

Multiple serologic reactions and their relationship to clinical activity in systemic lupus erythematosus. Isenberg DA, et al. **Arthritis Rheum** 1984 Feb;27(2):132–8

The human fetus and newborn: development of the immune response. Hayward AR. **Birth Defects** 1983;19(3):289–94

The role of macrophages in the immune process. van Furth R. **Birth Defects** 1983;19(3):3–7 (31 ref.)

Antithymocyte globulin reacts with many normal human cell types. Greco B, et al. **Blood** 1983 Nov;62(5):1047–54

Specificity considerations in cooperative immunoassays. Ehrlich PH, et al. **Clin Chem** 1984 Sep;30(9):1523–32

Optical detection of antibody-antigen reactions at a glass-liquid interface. Sutherland RM, et al. **Clin Chem** 1984 Sep;30(9):1533–8

Liver cell surface expression of the antigen reacting with liver-kidney microsomal antibody (LKM). Lenzi M, et al. **Clin Exp Immunol** 1984 Jan;55(1):36–40

Thermodynamics of hapten-antibody interactions. Mukkur TK. **CRC Crit Rev Biochem** 1984;16(2):133–67 (79 ref.)

Serological interactions among sera of human renal graft recipients. Morito T, et al. **Immunol Commun** 1984; 13(2):173–9

Antigen-antibody-complement reaction studies on micro bilayer lipid membranes. O'Boyle KP, et al. **Immunol Commun** 1984;13(2):85–103

The use of flow calorimetry in antigen-antibody reactions. Rialdi G, et al. **Immunol Lett** 1984;7(6):335–8

Characterization of monoclonal antibodies that react with unique and cross-reacting determinants of cholera enterotoxin and its subunits. Holmes RK, et al. **Infect Immun** 1983 Dec;42(3):914–23

Antibodies to a nuclear/nucleolar antigen in patients with polymyositis overlap syndromes. Reichlin M, et al. **J Clin Immunol** 1984 Jan;4(1):40–4

Laboratory study of collagen wound dressing (CAS). Part II. An immunological study (I) immunogenicity in rabbits and mice. Takeda U, et al. **J Dermatol (Tokyo)** 1983 Dec; 10(6):593–601

Estimation of the equilibrium constant for an antibody using data derived from an antiserum dilution curve. Roulston JE. **J Immunol Methods** 1983 Sep 30;63(1):133–8

Monoclonal antibodies to herpes simplex virus type 1 glycoproteins show that epitope location influences virus neutralization. La Thangue NB, et al. **J Med Virol** 1984; 13(3):227–42

Some monoclonal antibodies raised with a native protein bind preferentially to the denatured antigen. Friguet B, et al. **Mol Immunol** 1984 Jul;21(7):673–7

Physicochemical studies on the antigen-antibody complexes of two monoclonal antibodies against rabbit thymocytes. Guillet JG, et al. **Mol Immunol** 1983 Oct;20(10):1059–68

The mechanism of action of antibodies [letter] Metzger H. **Mol Immunol** 1984 Jul;21(7):679

Interaction of carboxypeptidase A with monoclonal antibodies. Solomon B, et al. **Mol Immunol** 1984 Jan; 21(1):1–11

Immunodiagnostic confirmation of hydatid disease in patients with a presumptive diagnosis of infection. Varela-Díaz VM, et al. **Rev Inst Med Trop Sao Paulo** 1984 Mar-Apr; 26(2):87–96

Serological distinction of H antigen between saliva and red cell in forensic practice. Sagisaka K, et al. **Tohoku J Exp Med** 1983 Oct;141(2):211–5

Quantitation of antibody binding to erythrocytes in LISS. Merry AH, et al. **Vox Sang** 1984;47(2):125–32

[Detection of antibodies against ovum antigens in Schistosoma mansoni bilharziasis] Tribouley J, et al. **Bull Soc Pathol Exot Filiales** 1983 Nov;76(5):514–25 (Eng. Abstr.) **(Fre)**

[Serologic diagnosis of human ornitho-psittacosis. Value of the indirect immunofluorescent test] Chabanon G, et al. **Rev Int Trach Pathol Ocul Trop Subtrop Sante Publique** 1982;(2-3):85–92 (Eng. Abstr.) **(Fre)**

[Immunopathology of parasitic infections (protozoans and

helminths)] Panaitescu D. **Rev Ig [Bacteriol]** 1984 Jan-Mar; 29(1):71-7 **(Rum)**

[Kinetics of antigen-antibody interaction studied by luminescent immunocofactor analysis (LICA)] Gavrilova EM, et al. **Dokl Akad Nauk SSSR** 1983;272(5):1254-8 **(Rus)**

[Analysis of the interaction of the dopaminergic and serotoninergic systems in immunomodulation] Devolno LV, et al. **Fiziol Zh SSSR** 1984 Feb;70(2):239-46 (Eng. Abstr.) **(Rus)**

[Space-time functional organization of the brain subcortical structures in the process of developing immune reactions] Grigor'ev VA, et al. **Fiziol Zh SSSR** 1984 Feb;70(2):221-30 (Eng. Abstr.) **(Rus)**

[Socio-biological factors in the immune response reaction of blood donors] Demidova NV, et al. **Gematol Transfuziol** 1984 Mar;29(3):19-21 (Eng. Abstr.) **(Rus)**

[Natural resistance and immunological reactivity of patients with severe burns complicated by staphylococcal infection] Fedorovskaia EA. **Gematol Transfuziol** 1984 Jul;29(7):22-6 (Eng. Abstr.) **(Rus)**

[Changes in the general immunological reactivity of the body and nervous system function during the student work semester] Sautkin MF, et al. **Gig Sanit** 1983 Nov;(11):91-2 **(Rus)**

[Informativeness of immunological reactions with myocardial antigen homogenates in myocardial infarct] Kitaev MI, et al. **Lab Delo** 1984;(3):153-7 (Eng. Abstr.) **(Rus)**

[Mononuclear phagocytes--the connecting link between immunogenesis, hemostasis and fibrinolysis] Tsybikov NN. **Usp Fiziol Nauk** 1983 Jul-Sep;14(4):114-23 (81 ref.) **(Rus)**

[Comparative study of the basic immunological reactions for assessing tularemia immunity in inoculated persons or those who have had the disease] Kamennova LS, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Nov;(11):92-5 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Sodium ethylmercurithiosalicylate (Merthiolate) inhibition of antigen-antibody interactions in radioimmunoassay systems. Mori M, et al. **J Lab Clin Med** 1984 Feb; 103(2):223-6

[Reciprocal effect of cyclophosphane on the liver cytochrome P-450 and immunity system] Kovalev IE, et al. **Farmakol Toksikol** 1983 Jul-Aug;46(4):71-6 (Eng. Abstr.) **(Rus)**

[Action of carbon tetrachloride and antihepatocytotoxic serum on the immune response of rats] Galenko TI, et al. **Fiziol Zh** 1984 Jul-Aug;30(4):459-63 (Eng. Abstr.) **(Rus)**

[Effect of alcohol and smoking on immunological reactivity] Shubik VM. **Gig Sanit** 1983 Oct;(10):59-63 (63 ref.) **(Rus)**

[A reactivity to polyclonal stimulation of immunogenesis with salmozan after its repeated administration] Fontalin LN, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Oct; (10):68-71 (Eng. Abstr.) **(Rus)**

ANTIGEN BRONCHIAL PROVOCATION TESTS see **BRONCHIAL PROVOCATION TESTS**

ANTIGEN RECEPTORS see **RECEPTORS, ANTIGEN**

ANTIGEN RECEPTORS, B-CELL see **RECEPTORS, ANTIGEN, B-CELL**

ANTIGEN RECEPTORS, T-CELL see **RECEPTORS, ANTIGEN, T-CELL**

ANTIGEN S 100 see **NERVE TISSUE PROTEIN S 100**

ANTIGENIC DETERMINANTS

Antigen-specific demyelination and significance of the bystander effect in peripheral nerves. Powell HC, et al. **Am J Pathol** 1984 Mar;114(3):443-53

Isolation, characterization, and specificity of a glycoprotein antigen from Mycobacterium kansasii. Ma Y, et al. **Am Rev Respir Dis** 1983 Dec;128(6):1059-64

Structural correlates of idiotypic determinants. **Ann Immunol (Paris)** 1984 Jan-Feb;135C(1):11-185

An insight into the T-cell recognition system using antigen-specific functional T-cell lines. Mozes E. **Ann Immunol (Paris)** 1983 Jul-Aug;134D(1):123-31

Augmentation of delayed-type hypersensitivity reactions to ovalbumin by cyclophosphamide in the mouse: strain variability, antigen specificity and nature of the suppressor cell. Thomson AW, et al. **Ann Immunol (Paris)** 1983 Nov-Dec;134D(3):267-75

Antibody combining sites can be mimicked synthetically. Surface-simulation synthesis of the phosphorylcholine-combining site of myeloma protein M-603. Kazim AL, et al. **Biochem J** 1980 Jun 1; 187(3):661-6

Monoclonal antibodies to rabbit and pig zonae pellucidae distinguish species-specific and shared antigenic determinants. Drell DW, et al. **Biol Reprod** 1984 Mar; 30(2):445-57

Anti-HEL cell monoclonal antibodies recognize determinants that are also present in hemopoietic progenitors. Papayannopoulou T, et al. **Blood** 1984 Feb; 63(2):326-34

Chemical synthesis of the human blood-group P1-antigenic determinant. Amvam Zollo PH, et al. **Carbohydr Res** 1983 Oct 28;122(2):201-8

p-(Trifluoroacetamido)phenyl 2-acetamido-2-deoxy-4-O-beta-D-mannopyranosyl-beta Ekborg G, et al. **Carbohydr Res** 1984 Jul 1;129:287-92

Preparation of glycoconjugates for use as artificial antigens: a simplified procedure. Pinto BM, et al. **Carbohydr Res** 1983 Dec 23;124(2):313-8

The structure of an antigenic determinant in a protein. Wilson IA, et al. **Cell** 1984 Jul;37(3):767-78

Binding of human lymphocyte-specific monoclonal antibodies to common marmoset lymphoid cells. Barton RW, et al. **Cell Immunol** 1984 Apr 1;84(2):446-52

Hapten-specific carrier-dependent tolerance induction in man in vitro. Morimoto C, et al. **Cell Immunol** 1983 Dec; 82(2):415-21

Antigen-specific human B-cell responses: modulation by immunoregulatory T-cell subsets. Peters M, et al. **Cell Immunol** 1983 Dec;82(2):223-31

Antigen-specific augmentation of delayed-type hypersensitivity by a humoral factor in the culture supernatant of immune spleen cells. Yamada A, et al. **Cell Immunol** 1984 Mar;84(1):206-9

T suppressor factor activity is due to two separate molecules. The Lyt-1(-)2+I-J+ cells of mice primed with antigen make an antigen binding molecule which is only active when complemented by cofactor made by Lyt-1+2(-)I-J+ cells. Zembala M, et al. **Cell Immunol** 1984 Aug;87(1):240-51

Identification of a neodeterminant in complexes of human brain Thy-1. Almqvist P, et al. **Eur J Immunol** 1984 Aug; 14(8):734-8

Immunodominant protein epitopes. I. Induction of suppression to hen egg white lysozyme is obliterated by removal of the first three N-terminal amino acids. Wicker LS, et al. **Eur J Immunol** 1984 May;14(5):442-7

Immunodominant protein epitopes. II. The primary antibody response to hen egg white lysozyme requires and focuses upon a unique N-terminal epitope. Wicker LS, et al. **Eur J Immunol** 1984 May;14(5):447-53

Antigen-specific suppressor T-cell factors. Kapp JA, et al. **Hosp Pract [Off]** 1984 Aug;19(8):85-7, 91, 95-8

Strong lymphoproliferative suppressive function of PLT clones specific for SB-like antigens. Pawelec G, et al. **Hum Immunol** 1984 Mar;9(3):145-57

LB-Q1 and LB-Q2: two determinants defined in the primed lymphocyte test and independent of HLA-D/DR, MB/LB-E, or SB. Termijtelen A, et al. **Hum Immunol** 1983 Sep;8(1):11-5

Analysis of the antigen specificity of the human serum immunoglobulin G immune response to complicated gonococcal infection. Hook EW 3d, et al. **Infect Immun** 1984 Feb;43(2):706-9

Characterization of antigens specific to the surface of germ tubes of Candida albicans by immunofluorescence. Sundstrom PM, et al. **Infect Immun** 1984 Mar;43(3):850-5

Comparison of antigens in the rat MHC that act as CML determinants. Liebert M, et al. **Int Arch Allergy Appl Immunol** 1983;72(3):279-83

Synthesis and immunological characterization of two peptides which are models for two of the four major antigenic sites of a scorpion toxin. Granier C, et al. **Int J Pept Protein Res** 1984 Feb;23(2):187-97

An assay to measure antigen-specific immune complexes in food-allergy patients. Leary HL Jr, et al. **J Allergy Clin Immunol** 1984 Aug;74(2):190-5

Proximity of reactive lysyl residue to the antigenic site in rabbit skeletal myosin against the monoclonal antibody (MF-18) generated to chicken skeletal myosin. Katayama E, et al. **J Biochem (Tokyo)** 1984 Mar;95(3):721-7

Antigen-specific B-cell function in human autoimmune thyroiditis. De Bernardo E, et al. **J Clin Immunol** 1983 Oct;3(4):392-8

Partial characterization of physiologically generated C3 components expressing C3d but not C3c epitopes. Siersted HC, et al. **J Clin Lab Immunol** 1983 Dec;12(4):201-8

Guidelines for immunotherapy of antigen-specific defects with transfer factor. Wilson GB, et al. **J Clin Lab Immunol** 1984 Feb;13(2):51-8

Induction of acetylcholine receptor-specific suppression. An in vitro model of antigen-specific immunosuppression in myasthenia gravis. Bogen S, et al. **J Exp Med** 1984 Jan 1;159(1):292-304

Antigen recognition by H-2-restricted cytolytic T lymphocytes is not mediated by two independent receptors. Harris DT, et al. **J Exp Med** 1984 Jan 1;159(1):330-5

Direct transfer of antigen-specific cytolytic activity to noncytolytic cells upon fusion with liposomes derived from cytolytic T cell clones. Harris DT, et al. **J Exp Med** 1984 Jan 1;159(1):261-75

Surface antigens of melanoma and melanocytes. Specificity of induction of Ia antigens by human gamma-interferon. Houghton AN, et al. **J Exp Med** 1984 Jul 1;160(1):255-69

In vivo effector function of influenza virus-specific cytotoxic T lymphocyte clones is highly specific. Lukacher AE, et al. **J Exp Med** 1984 Sep 1;160(3):814-26

Purification and characterization of an L-glutamic acid60-L-alanine30-L-tyrosine10 (GAT)-specific suppressor factor from genetic responder mice. Sorensen CM, et al. **J Exp Med** 1983 Oct 1;158(4):1034-47

Hepatitis B virus-reactive human T lymphocyte clones: antigen specificity and helper function for antibody synthesis. Celis E, et al. **J Immunol** 1984 Mar;132(3):1511-6

Role of interleukin 1 in antigen-specific T cell proliferation. Chu E, et al. **J Immunol** 1984 Mar;132(3):1311-6

Immunoregulatory activities of autoreactive T cells: an I-A-specific T cell clone mediates both help and suppression of antibody responses. Clayberger C, et al. **J Immunol** 1984 May;132(5):2237-43

Activation of antigen-specific suppressor T lymphocytes in man involves dual recognition of self class I MHC molecules and Leu-4/T3-associated structures on the surface of inducer T lymphocytes. Damle NK, et al. **J Immunol** 1984 Sep;133(3):1235-40

Shared idiotope on monoclonal anti-Ia.7 antibodies reactive with determinants in a structural domain of the I-E molecules. Devaux C, et al. **J Immunol** 1984 Mar; 132(3):1353-60

The role of tumor-specific Lyt-1+2- T cells in eradicating tumor cells in vivo. I. Lyt-1+2- T cells do not necessarily require recruitment of host's cytotoxic T cell precursors for implementation of in vivo immunity. Fujiwara H, et al. **J Immunol** 1984 Sep;133(3):1671-6

Role of accessory cell processing and presentation of shed H-2 alloantigens in allospecific cytotoxic T lymphocyte responses. Golding H, et al. **J Immunol** 1984 Aug; 133(2):597-605

Human newborn autologous mixed lymphocyte response: frequency and phenotype of responders and xenoantigen specificity. Hayward AR, et al. **J Immunol** 1984 Aug; 133(2):719-23

Isolation and characterization of an I-A-restricted T cell clone with dual specificity for poly(Glu60Ala30Tyr10) (GAT) and Mlsa,dl. Jenkins MK, et al. **J Immunol** 1984 Aug;133(2):616-22

Suppression of BCG cell wall-induced delayed-type hypersensitivity by pretreatment with killed BCG: induction of nonspecific suppressor T cells by the adjuvant portion (MDP) and of specific suppressor T cells by the antigen portion (TAP). Kato K, et al. **J Immunol** 1984 Jun; 132(6):2790-5

Reconstitution of an inactive antigen-specific T cell suppressor factor by incubation of the factor with prostaglandins. Kato K, et al. **J Immunol** 1984 Oct; 133(4):2025-31

Characterization of an antigen-specific suppressive factor derived from a cloned suppressor effector T cell line. Kitamura K, et al. **J Immunol** 1984 Sep;133(3):1371-8

Description of a murine B lymphoma tumor-specific antigen. Koch S, et al. **J Immunol** 1984 Aug;133(2):1070-7

Frequency and specificity of precursors of interleukin 2-producing cells in nude mice. MacDonald HR, et al. **J Immunol** 1984 Feb;132(2):605-10

A human alloreactive inducer T cell clone that selectively activates antigen-specific suppressor T cells. Mohagheghpour N, et al. **J Immunol** 1984 Jul;133(1):133-6

Establishment and functional analysis of a cloned, antigen-specific suppressor effector T cell line. Nakauchi H, et al. **J Immunol** 1984 Jan;132(1):88-94

Changes in conformation with loss of alloantigenic determinants of a histocompatibility antigen (HLA-B7) induced by monoclonal antibodies. Parham P. **J Immunol** 1984 Jun;132(6):2975-83

Antigenic structure of hepatitis B surface antigen: identification of the 'd' subtype determinant by chemical modification and use of monoclonal antibodies. Peterson DL, et al. **J Immunol** 1984 Feb;132(2):920-7

Production of antigen-specific contrasuppressor cells and factor, and their use in augmentation of cell-mediated immunity. Ptak W, et al. **J Immunol** 1984 Aug;133(2):623-8

Antigen-specific T contrasuppressor factor in cell-mediated immunity: interactions leading to eradication of the tolerant state. Ptak W, et al. **J Immunol** 1984 Sep;133(3):1124-30

Comparison of antigen-specific T cell responses in autoimmune MRL/Mp-lpr/lpr and MRL/Mp-+/+ mice. Scott CF Jr, et al. **J Immunol** 1984 Feb;132(2):633-9

Antigen-specific T helper clones in a nonresponder strain require augmentation for expression of helper activity. Evidence for a possible antigen presentation defect in B cells. Shastri N, et al. **J Immunol** 1984 Sep;133(3):1215-21

Triggering of affinity-enriched B cells. II. Composition and B cell triggering properties of affinity-purified, antigen-specific, T cell-derived helper factor. Shiozawa C, et al. **J Immunol** 1984 Apr;132(4):1892-9

Loss of specificity in cytolytic T lymphocyte clones obtained by limit dilution culture of Ly-2+ T cells. Shortman K, et al. **J Immunol** 1984 Feb;132(2):584-93

Mechanisms of contact photosensitivity in mice. IV. Antigen-specific suppressor T cells induced by preirradiation of photosensitizing site to UVB. Takigawa M, et al. **J Immunol** 1984 Mar;132(3):1124-9

Primary in vitro generation of cytotoxic cells specific for human minor histocompatibility antigens between HLA-identical siblings. Tekolf WA, et al. **J Immunol** 1984 Apr;132(4):1756-60

Exacerbation of murine cutaneous leishmaniasis by adoptive transfer of parasite-specific helper T cell populations capable of mediating Leishmania major-specific delayed-type hypersensitivity. Titus RG, et al. **J Immunol** 1984 Sep;133(3):1594-600

Comparison of immune responsiveness in mice after single or multiple donor-specific transfusions. Wood ML, et al.

J Immunol 1984 Feb;132(2):651–5

Interaction of group B streptococcal type-specific polysaccharides with wheat germ agglutinin and other lectins. Gray BM, et al. **J Immunol Methods** 1984 Aug 3;72(1):269–77

Antigen specific in vitro activity of lymphocyte subpopulations from Mantoux positive and negative subjects assessed by lymphocyte proliferation assay. Jensen B, et al. **J Immunol Methods** 1984 Jan 20;66(1):133–48

Enumeration of rat allospecific antibody-producing cells by a solid-phase antibody-forming cell focus (AFCF) assay. Majoor GD. **J Immunol Methods** 1984 Jun 8;71(1):37–42

Molecular size of myelin basic protein immunoactivity in spinal fluid. Karlsson B, et al. **J Neuroimmunol** 1984 Jun; 6(3):141–50

Antigenic characterization of Pasteurella pneumotropica isolated from mice and rats. Nakagawa M, et al. **Jikken Dobutsu** 1984 Apr;33(2):187–92

Rapid and sensitive procedure for assigning idiotypic determinants to heavy or light chains: application to idiotopes associated with the major cross-reactive idiotype of A/J anti-phenylarsonate antibodies. Cannon LE, et al. **Mol Immunol** 1983 Dec;20(12):1283–8

Expression of defined idiotypes throughout the BALB/c anti-fluorescyl antibody response: affinity and idiotype analyses of heterogeneous antibodies. Kranz DM, et al. **Mol Immunol** 1983 Dec;20(12):1313–22

Idiotypic analysis of monoclonal anti-fluorescyl antibodies: localization and characterization of idiotypic determinants. Kranz DM, et al. **Mol Immunol** 1983 Dec;20(12):1301–12

A viral coat glycoprotein (gp52MuMTV) has detergent-sensitive and detergent-resistant epitopes in the same molecule. Manson LA, et al. **Mol Immunol** 1983 Nov; 20(11):1237–9

Immunogenic and antigenic epitopes of immunoglobulins—VII. The topographical distribution of Fc gamma epitopes and the relationship of an iso-allotypic specificity to the presence of histidine 435. Nik Jaafar MI, et al. **Mol Immunol** 1984 Feb;21(2):137–43

Transformation of LMTK- cells with purified HLA class I genes—IV. A determinant on beta 2-microglobulin is controlled by HLA heavy chain in a mouse–human hybrid complex: a biochemical analysis. van Agthoven AJ, et al. **Mol Immunol** 1984 Feb;21(2):175–9

Immunologic specificity of antigen-binding T cell-derived factors that transfer mast cell-dependent, immediate hypersensitivity-like reactions. Askenase PW, et al. **Monogr Allergy** 1983;18:249–55

Correlation between segmental mobility and the location of antigenic determinants in proteins. Westhof E, et al. **Nature** 1984 Sep 13–19;311(5982):123–6

Method to map antigenic determinants recognized by monoclonal antibodies: localization of a determinant of virus neutralization on the feline leukemia virus envelope protein gp70. Nunberg JH, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(12):3675–9

Expression of organ-specific neoantigens by human cancer. Thomson DM. **Prog Clin Biol Res** 1983;132E:193–202

Kinetic analysis of the specificity of human natural cytotoxicity. Callewaert DM, et al. **Scand J Immunol** 1983 Nov;18(5):429–38

Class-II HLA restriction of antigen-specific human T-lymphocyte clones. Evidence of restriction elements on both DR and MT molecules. Qvigstad E, et al. **Scand J Immunol** 1983 Oct;18(4):299–306

Structure of antigen-specific suppressor factors: current views. Kontiainen SK, et al. **Surv Immunol Res** 1982; 1(1):17–23 (49 ref.)

Antigen-specific immunosuppression induced by liver transplantation in the rat. Kamada N, et al. **Transplantation** 1984 Sep;38(3):217–21

Effects of HLA-haploidentical blood transfusions on donor-specific immune responsiveness. Leivestad T, et al. **Transplantation** 1984 Feb;37(2):175–81

Comparative studies on antigens induced by turkey herpesvirus and Marek's disease virus. I. Agar gel precipitation and neutralization studies. Yachida S, et al. **Zentralbl Veterinarmed [B]** 1983 Sep;30(8):609–18

[Specificity of lymphocytic reaction to tumor antigens—approaches to a cancer diagnosis in vitro?] Muhrer KH. **Fortschr Med** 1984 Jan 19;102(3):45–8 (Eng. Abstr.) **(Ger)**

[Serological identification of slowly growing mycobacteria with anti-alpha antibody. Specificity of alpha antigen in Mycobacterium avium-M. intracellulare complex and Mycobacterium kansasii] Tasaka H, et al. **Kekkaku** 1983 Dec;58(12):631–43 (Eng. Abstr.) **(Jpn)**

[Detection of a specific plague microbe antigen (fraction I) by the method of radioimmunological analysis] Lesovoi VS, et al. **Lab Delo** 1984;(3):185–6 **(Rus)**

ANALYSIS

Patterns of reactivity of four novel monoclonal antibodies (B72.3, DF3, B1.1 and B6.2) with cells in human malignant and benign effusions. Szpak CA, et al. **Acta Cytol (Baltimore)** 1984 Jul–Aug;28(4):356–67

Use of monoclonal antibodies to assess antigenic relationships of avian infectious bronchitis virus serotypes in the United States. Snyder DB, et al. **Adv Exp Med Biol** 1984; 173:109–13

Antigenic and polypeptide structure of bovine enteric coronavirus as defined by monoclonal antibodies. Vautherot JF, et al. **Adv Exp Med Biol** 1984;173:117–32

Monitoring human ovarian carcinoma with a combination of CA 125, CA 19–9, and carcinoembryonic antigen. Bast RC Jr, et al. **Am J Obstet Gynecol** 1984 Jul 1;149(5):553–9

Elevation of serum CA125 in carcinomas of the fallopian tube, endometrium, and endocervix. Niloff JM, et al. **Am J Obstet Gynecol** 1984 Apr 15;148(8):1057–8

Idiotypes of anti-phosphocholine antibodies: structural correlates. Maddalena A, et al. **Ann Immunol (Paris)** 1984 Jan–Feb;135C(1):117–22

Comparison of the amino acid compositions and antigenic properties of spiralins purified from the plasma membranes of different spiroplasmas. Wróblewski H, et al. **Ann Microbiol (Paris)** 1984 Jan–Feb;135A(1):73–82

Analysis of antigenic variation of human alpha 2-macroglobulin with monoclonal antibodies. Eager KB, et al. **Ann NY Acad Sci** 1983;421:154–5

Comparison of colon-, lung-, and breast-derived carcinoembryonic antigen and cross-reacting antigens by monoclonal antibodies and fingerprint analysis. Grunert F, et al. **Ann NY Acad Sci** 1983;417:75–85

Monoclonal antibodies toward the receptor-recognition site on alpha 2-macroglobulin complexes. Van Leuven F, et al. **Ann NY Acad Sci** 1983;421:434–41

Fine specificity of antibodies to the synthetic polypeptide poly(L-tyrosine, L-glutamic acid)-poly(DL-alanine)—poly(L-lysine) and its ordered analogs as followed by solid-phase radioimmunoassay. Parhami-Seren B, et al. **Arch Biochem Biophys** 1983 Sep; 225(2):446–50

Epitope evolution in poliovirus maturation. Rombaut B, et al. **Arch Virol** 1983;76(4):289–98

Antigenic relatedness of pigeon herpes encephalomyelitis virus to other avian herpesviruses. Tantawi HH, et al. **Avian Dis** 1983 Jul–Sep;27(3):563–8

Monoclonal antibodies to mitochondrial F1-ATPase and oligomycin sensitivity conferring protein (OSCP). Tools for recognition of well conserved and essential antigenic sites. Archinard P, et al. **Biochem Biophys Res Commun** 1984 Aug 30;123(1):254–61

Elucidation of the antigenic determinant in lipotropin for two monoclonal antibodies. Austen BM, et al. **Biochem Biophys Res Commun** 1983 Oct 31;116(2):527–33

Antigenic relationships between plasma membrane ATPases of two different yeasts, Candida tropicalis and Schizosaccharomyces pombe. Blasco F, et al. **Biochem Biophys Res Commun** 1983 Sep 30;115(3):1114–9

Immunological similarity of epoxide hydrolase activity in the mitochondrial and cytosolic fractions of mouse liver. Gill SS. **Biochem Biophys Res Commun** 1984 Aug 16; 122(3):1434–40

Structural features of the nicotinic acetylcholine receptor revealed by antibodies to synthetic peptides. Ratnam M, et al. **Biochem Biophys Res Commun** 1984 Aug 16; 122(3):1225–33

The relationship of biological and immunological activities of factor VIII. Rock G, et al. **Biochem Biophys Res Commun** 1983 Sep 30;115(3):981–7

Biochemical characterization of a human spermatozoal sialoglycoprotein with respect to antigenicity masking by its sialic acid moieties. Czuppon AB. **Biochem Int** 1984 Jan; 8(1):9–18

High-molecular-weight glycoproteins are the major carriers of the carbohydrate differentiation antigens I, i and SSEA-1 of mouse teratocarcinoma cells. Childs RA, et al. **Biochem J** 1983 Dec 1;215(3):491–503

Antigenic and structural features of goblet-cell mucin of human small intestine. Mantle M, et al. **Biochem J** 1984 Jan 1;217(1):159–67

Antigenic variation in influenza virus. Caton AJ, et al. **Biochem Soc Trans** 1983 Aug;11(4):435–41

Monoclonal antibodies to alpha-chain regions of human fibrinogen that participate in polymer formation. Ehrlich PH, et al. **Biochemistry** 1983 Aug 30;22(18):4184–92

Primary structure of papain-solubilized human histocompatibility antigen HLA-B40 (-Bw60). An outline of alloantigenic determinants. López de Castro J, et al. **Biochemistry** 1983 Aug 2;22(16):3961–9

Monoclonal antibodies against distinct determinants of histone H5 bind to chromatin. Mendelson E, et al. **Biochemistry** 1984 Jul 17;23(15):3459–66

Mapping the binding of monoclonal antibodies to histone H5. Mendelson E, et al. **Biochemistry** 1984 Jul 17; 23(15):3466–71

Antibody-nucleic acid complexes. Antigenic domains within nucleosides as defined by solid-phase immunoassay. Munns TW, et al. **Biochemistry** 1984 Jun 19;23(13):2958–64

Immunological identity between bovine preparations of thiol:protein-disulphide oxidoreductase, glutathione-insulin transhydrogenase and protein-disulphide isomerase. Bjelland S, et al. **Biochim Biophys Acta** 1983 Sep 28;747(3):197–9

Antigenic relatedness of small ribonucleoprotein particles. Williamson GG, et al. **Biochim Biophys Acta** 1984 Apr 10; 798(2):149–55

Human blood group A-like determinants as marker of the intracellular pools of glycoproteins in secretory and absorbing of A+ rabbit jejunum. Bernadac A, et al. **Biol Cell** 1984;50(1):31–6

beta-Galactosidase: immune recognition of conformation and mechanism of antibody-induced catalytic activation. Celada F, et al. **Biopolymers** 1983 Jan;22(1):465–73

How antigenic are antigenic peptides? Leach SJ. **Biopolymers** 1983 Jan;22(1):425–40

Antigenic reactivity: molecular delineation of monohaptenic anaphylactogens. Schneider CH, et al. **Biopolymers** 1983 Jan;22(1):475–9

Macromolecular associations, antigenicity, and variation in disease. Review. Rand-Weaver M, et al. **Biosci Rep** 1983 Aug;3(8):713–40 (185 ref.)

Heterogeneity of specificity of oligoclonal human T lymphocyte lines induced with autologous pulmonary tumour. Moss FM, et al. **Br J Cancer** 1984 May; 49(5):659–61

Lack of correlation between lymphocyte activating determinants and HLA-DR on acute leukaemias. Taylor GM, et al. **Br J Cancer** 1984 Apr;49(4):485–94

Cultured marrow stromal cells express common acute lymphoblastic leukaemia antigen (CALLA): implications for marrow transplantation. Keating A, et al. **Br J Haematol** 1983 Dec;55(4):623–8

A cell surface determinant expressed early on migrating avian neural crest cells. Vincent M, et al. **Brain Res** 1983 Aug; 285(2):235–8

CA125 seric levels in non malignant pathologies [letter] Ruibal A, et al. **Bull Cancer (Paris)** 1984;71(2):145–6

Heterogeneity of influenza B viruses. Bao-Lan L, et al. **Bull WHO** 1983;61(4):681–7

Antigenic and amino acid sequence variations in the haemagglutinins of type A influenza viruses recently isolated from human subjects. Skehel JJ, et al. **Bull WHO** 1983;61(4):671–6

Reactivity of monoclonal antibodies Leu 1 and OKT1 with malignant human lymphoid cells. Correlation with conventional cell markers. Knowles DM 2d, et al. **Cancer** 1983 Oct 15;52(8):1369–77

Characterization of antigenic components from circulating immune complexes in patients with gestational trophoblastic neoplasia. Lahey SJ, et al. **Cancer** 1984 Mar 15;53(6):1316–21

Monoclonal antibody immunoradiometric assay for an antigenic determinant (CA 125) associated with human epithelial ovarian carcinomas. Klug TL, et al. **Cancer Res** 1984 Mar;44(3):1048–53

Immunohistochemical analysis of malignant melanomas and nevocellular nevi with monoclonal antibodies to distinct monomorphic determinants of HLA antigens. Ruiter DJ, et al. **Cancer Res** 1984 Sep;44(9):3930–5

Antigenic similarity of nonhistone chromosomal proteins in cultured rat liver epithelial cells, fetal liver, and transplantable tumors. Schmidt WN, et al. **Cancer Res** 1984 May;44(5):2163–9

Two mouse hybridoma antibodies against human milk-fat globules recognise the I(Ma) antigenic determinant beta-D-Galp-(1 leads to 4)-beta-D-GlcpNAc-(1 leads to 6). Gooi HC, et al. **Carbohydr Res** 1983 Aug 16;120:293–302

Characterization of an epitope (determinant) structure in a developmentally regulated glycolipid antigen defined by a cold agglutinin FI, recognition of alpha-sialosyl and alpha-L-fucosyl groups in a branched structure. Kannagi R, et al. **Carbohydr Res** 1983 Aug 16;120:143–57

Immunochemical studies on Shigella dysenteriae type 10 bacterial polysaccharide. Pal JN, et al. **Carbohydr Res** 1983 Oct 28;122(2):257–67

Antigenic variation in Trypanosoma brucei analyzed by electrophoretic separation of chromosome-sized DNA molecules. Van der Ploeg LH, et al. **Cell** 1984 May; 37(1):77–84

Immunoscanning electron microscopy of antigenic determinants of T/t-complex (tw18) mouse embryos. Ben-Shaul Y, et al. **Cell Differ** 1983 Oct;13(2):159–70

Two-chain structure of T-suppressor factor: antigen-specific T-suppressor factor occurs as a single molecule and as separate antigen-binding and I-J+ parts, both of which are required for biological activity. Asherson GL, et al. **Cell Immunol** 1984 Jul;86(2):448–59

Epitope-specific regulation. IV. In vitro studies with suppressor T cells induced by carrier/hapten-carrier immunization. Tagawa M, et al. **Cell Immunol** 1984 Jul; 86(2):327–36

Common antigenic determinants of haemoglobin as basis of immunological cross-reactivity between chironomid species (Diptera, Chironomidae): studies with human and animal sera. Baur X, et al. **Clin Exp Immunol** 1983 Nov; 54(2):599–607

Analysis of the major antigenic determinants of the characteristic phenolic glycolipid from Mycobacterium leprae. Brett SJ, et al. **Clin Exp Immunol** 1984 Apr; 56(1):89–96

Idiotypic determinants on human thyroglobulin autoantibodies derived from the serum of Hashimoto patients and EB virus transformed cell lines. Delves PJ, et al. **Clin Exp Immunol** 1984 Jul;57(1):33–40

Detection of a circulating gastrointestinal cancer antigen in sera of patients with gastrointestinal malignancies by a double determinant immunoassay with monoclonal antibodies against human blood group determinants. Herlyn M, et al. **Clin Exp Immunol** 1984 Jan;55(1):23–35

Monoclonal antibodies against the native or denatured forms of muscarinic acetylcholine receptors. André C, et al. **EMBO J** 1984 Jan;3(1):17–21

Dissection of the human erythrocyte spectrin molecule using monoclonal antibodies. Burke BE, et al. **EMBO J** 1982; 1(4):505–8

Detection of a cytokeratin determinant common to diverse epithelial cells by a broadly cross-reacting monoclonal antibody. Gigi O, et al. **EMBO J** 1982;1(11):1429–37

Probing yeast RNA polymerase A subunits with monospecific antibodies. Huet J, et al. **EMBO J** 1982; 1(10):1193–8

Monoclonal antibodies as probes of the antigenic structure of tobacco mosaic virus. Al Moudallal Z, et al. **EMBO J** 1982;1(8):1005–10

Antibodies against a preselected peptide recognize and neutralize foot and mouth disease virus. Pfaff E, et al. **EMBO J** 1982;1(7):869–74

Monoclonal antibody against the carboxy terminal peptide of pp60src of Rous sarcoma virus reacts with native pp60src. Tamura T, et al. **EMBO J** 1982;1(12):1479–85

Amino acid sequence requirements in the epitope recognized by the alpha-tubulin-specific rat monoclonal antibody YL 1/2. Wehland J, et al. **EMBO J** 1984 Jun;3(6):1295–300

Human testicular androgen-binding protein shares immunodeterminants with serum testosterone-estradiol-binding globulin. Cheng CY, et al. **Endocrinology** 1984 Apr;114(4):1395–401

Monoclonal antibodies to different epitopes of human alpha-fetoprotein (AFP). Micheel B, et al. **Eur J Cancer Clin Oncol** 1983 Sep;19(9):1239–46

Identification of immunoreactive forms of human erythrocyte band 3 in nonerythroid cells. Drenckhahn D, et al. **Eur J Cell Biol** 1984 May;34(1):144–50

The immunological relatedness of neurofilament proteins of higher vertebrates. Shaw G, et al. **Eur J Cell Biol** 1984 May;34(1):130–6

Serological evidences for a membrane structure related to human beta 2-microglobulin expressed by certain earthworm leukocytes. Roch P, et al. **Eur J Immunol** 1983 Dec;13(12):1037–42

Mapping epitopes on the insulin molecule using monoclonal antibodies. Schroer JA, et al. **Eur J Immunol** 1983 Sep; 13(9):693–700

Antigenic sites of the nicotinic acetylcholine receptor cannot be predicted from the hydrophilicity profile. Juillerat MA, et al. **FEBS Lett** 1984 Mar 12;168(1):143–8

Antibody against globular domain of H10 histone. Yasuda H, et al. **FEBS Lett** 1984 Jan 30;166(2):263–6

Shared antigenic determinant expressed on various mammalian melanoma cells. Taniguchi M, et al. **Gann** 1984 May;75(5):418–26

Monoclonal antibody against cytoplasmic lectins of Dictyostelium discoideum: cross-reactivity with a membrane glycoprotein, contact site A, and with E. coli beta-galactosidase and lac repressor. Stadler J, et al. **Hoppe Seylers Z Physiol Chem** 1984 Mar;365(3):283–8

HLA-Dw/LD directed cytotoxic T cell clones. Anichini A, et al. **Hum Immunol** 1984 Jul;10(3):153–64

Serological and cellular definition of a new HLA-DR associated determinant, MC1, and its association with rheumatoid arthritis. Duquesnoy RJ, et al. **Hum Immunol** 1984 Jul;10(3):165–76

Antigen-specific HLA-restricted human T-cell lines. I. An MT3-like restriction determinant distinct from HLA-DR. Ball EJ, et al. **Immunogenetics** 1984;19(1):13–26

Human helper T-cell clones that recognize different influenza hemagglutinin determinants are restricted by different HLA-D region epitopes. Eckels DD, et al. **Immunogenetics** 1984;19(5):409–23

Xenogeneic cytotoxic T-cell clones recognize alloantigenic determinants on HLA-A2. Engelhard VH, et al. **Immunogenetics** 1983;18(5):461–73

Murine sex-limited protein (Slp) antigenic sites in human complement component C4. Ferreira A, et al. **Immunogenetics** 1983;18(4):335–41

A monoclonal antibody recognizing HLA-DR2 on malignant and activated cells. Fuggle SV, et al. **Immunogenetics** 1983; 18(4):415–28

Monoclonal antibodies reactive with H-2 determinants. Harmon RC, et al. **Immunogenetics** 1983;18(5):541–5

Five serologically distinguishable Dq region molecules. Ivanyi D, et al. **Immunogenetics** 1984;20(2):211–6

Dissection of the poly(glu60 ala30 tyr10) (GAT)-specific T-cell repertoire in H-2Ik mice. I. GAT plus self-I-Ak-reactive T-cell clones can recognize alloactivating and/or restriction determinants on nonself-Ia molecules. Naquet P, et al. **Immunogenetics** 1983; 18(5):475–88

Structural characterization of mouse immunoglobulin allotypic determinants (allotopes) defined by monoclonal antibodies. Parsons M, et al. **Immunogenetics** 1983; 18(4):323–34

HLA-DR7-specific monoclonal antibodies and a chimpanzee anti-DR7 serum detect different epitopes on the same molecule. Radka SF, et al. **Immunogenetics** 1984; 19(1):63–76

Cytotoxic T lymphocytes recognize determinants on the BALB/c-H-2Ld molecule controlled by alpha 1 and alpha 2 but not alpha 3 external domains. Stroynowski I, et al. **Immunogenetics** 1984;20(2):141–54

Expression of immunoglobulin-cross-reactive molecules by neoplastic human T cells. I. Surface detection and isolation of molecules reactive with chicken anti-F(ab')2, anti-alpha and anti-mu antibodies. Haegert DG, et al. **Immunology** 1983 Nov;50(3):447–59

Analysis of the antigen specificity of influenza haemagglutinin-immune human T lymphocyte clones: identification of an immunodominant region for T cells. Lamb JR, et al. **Immunology** 1983 Dec;50(4):659–66

Glomerulonephritis: the use of grafted hybridomas to investigate the role of epitope density, antibody affinity and antibody isotype in active serum sickness. Lew AM, et al. **Immunology** 1984 Jun;52(2):367–76

The quantification of erythrocyte antigen sites with monoclonal antibodies. Merry AH, et al. **Immunology** 1984 Apr;51(4):793–800

Evidence for a common protective antigenic determinant on sporozoites of several Theileria parva strains. Musoke AJ, et al. **Immunology** 1984 Jun;52(2):231–8

Serological analysis of idiotypic determinants on monoclonal antibodies specific to poly(Tyr,Glu)-poly(DLAla)—poly(Lys) and its ordered analogue (Tyr-Tyr-Glu-Glu)-poly(DLAla)—poly(Lys). Parhami-Seren B, et al. **Immunology** 1984 Feb;51(2):367–76

Immunological relationships between cholera toxin and Escherichia coli heat-labile enterotoxin. Gilligan PH, et al. **Infect Immun** 1983 Nov;42(2):683–91

Structural and antigenic heterogeneity of lipopolysaccharides of Campylobacter jejuni and Campylobacter coli. Logan SM, et al. **Infect Immun** 1984 Jul;45(1):210–6

Immunochemical characterization of a heat-stable surface antigen of Mycoplasma pulmonis expressing both species-specific and strain-specific determinants. Nichols EJ, et al. **Infect Immun** 1984 May;44(2):355–63

Antigen from Francisella tularensis: nonidentity between determinants participating in cell-mediated and humoral reactions. Sandström G, et al. **Infect Immun** 1984 Jul; 45(1):101–6

Monoclonal antibodies to staphylococcal enterotoxins B and C: cross-reactivity and localization of epitopes on tryptic fragments. Thompson NE, et al. **Infect Immun** 1984 Jul; 45(1):281–5

Initial clinical evaluation of an immunoradiometric assay for CA 19-9 using the NCI serum bank. Ritts RE Jr, et al. **Int J Cancer** 1984 Mar 15;33(3):339–45

Detection of the granulocyte-specific antigen 3-fucosyl-N-acetyl-lactosamine on leukemic cells after neuraminidase treatment. Tetteroo PA, et al. **Int J Cancer** 1984 Mar 15;33(3):355–8

Binding of five monoclonal anti-CEA antibodies with different epitope specificities to various carcinoma tissues. Wagener C, et al. **Int J Cancer** 1984 Apr 15;33(4):469–75

Human urine DNase I: immunological identity with human pancreatic DNase I, and enzymic and proteochemical properties of the enzyme. Ito K, et al. **J Biochem (Tokyo)** 1984 May;95(5):1399–406

The monoclonal antibody directed to difucosylated type 2 chain (Fuc alpha 1 leads to 2Gal beta 1 leads to 4[Fuc alpha 1 leads to 3]GlcNAc; Y Determinant). Abe K, et al. **J Biol Chem** 1983 Oct 10;258(19):11793–7

Analysis of yeast RNA polymerases with subunit-specific antibodies. Bréant B, et al. **J Biol Chem** 1983 Oct 10; 258(19):11968–73

A monoclonal antibody recognizes an O-acylated sialic acid in a human melanoma-associated ganglioside. Cheresh DA, et al. **J Biol Chem** 1984 Jun 25;259(12):7453–9

Sulfated oligosaccharides block antibodies to many Dictyostelium discoideum acid hydrolases. Freeze HH, et al. **J Biol Chem** 1984 Aug 25;259(16):10641–3

A monoclonal antibody directed to N-acetylneuraminosyl-alpha 2 leads to 6-galactosyl residue in gangliosides and glycoproteins. Hakomori S, et al. **J Biol Chem** 1983 Oct 10;258(19):11819–22

Immunologically reactive multiple species of mitochondrial coupling factor B. Kaplay SS, et al. **J Biol Chem** 1984 Aug 25;259(16):10623–6

Antigenic determinants shared by lysosomal proteins of Dictyostelium discoideum. Characterization using monoclonal antibodies and isolation of mutations affecting the determinant. Knecht DA, et al. **J Biol Chem** 1984 Aug 25;259(16):10633–40

Organization of the colicin Ib gene. Promoter structure and immunity domain. Mankovich JA, et al. **J Biol Chem** 1984 Jul 25;259(14):8764–8

Characterization of antigenic determinants on human solubilized apolipoprotein B. Conformational requirements for lipids. Marcel YL, et al. **J Biol Chem** 1984 Jun 10; 259(11):6952–7

Antigenic variation during persistent infection by equine infectious anemia virus, a retrovirus. Montelaro RC, et al. **J Biol Chem** 1984 Aug 25;259(16):10539–44

Synthetic peptides corresponding to keratin subunits elicit highly specific antibodies. Roop DR, et al. **J Biol Chem** 1984 Jul 10;259(13):8037–40

Complement C1q binding affects spin-labeled heterosaccharides of rabbit antibodies in immune but not artificial immunoglobulin G aggregates. Winkelhake JL, et al. **J Biol Chem** 1984 Feb 25;259(4):2171–8

Evaluation of the antigenic variation within type-A foot and mouth disease virus isolates from Asia. Rweyemamu MM, et al. **J Biol Stand** 1984;12(2):191–4

Direct localization of monoclonal antibody-binding sites on Acanthamoeba myosin-II and inhibition of filament formation by antibodies that bind to specific sites on the myosin-II tail. Kiehart DP, et al. **J Cell Biol** 1984 Sep; 99(3):1015–23

Surface antigen determinants in subpopulations of peripheral blood NK- and T-cells separated by Percoll density fractionation. Schlesinger M, et al. **J Clin Lab Immunol** 1984 Apr;13(4):195–202

Classification of Inoue-Melnick virus into three antigenic types. Inoue YK, et al. **J Clin Microbiol** 1984 Jul; 20(1):118–9

Group B streptococcal Ibc protein antigen: distribution of two determinants in wild-type strains of common serotypes. Johnson DR, et al. **J Clin Microbiol** 1984 Apr; 19(4):506–10

Widespread distribution in human tissues of an antigenic determinant of granulocytes. Howie AJ, et al. **J Clin Pathol** 1984 May;37(5):555–9

Demonstration of an epitope of the transferrin receptor in human cervical epithelium—a potentially useful cell marker. Lloyd JM, et al. **J Clin Pathol** 1984 Feb;37(2):131–5

Molecular localization of human class II MT2 and MT3 determinants. Hurley CK, et al. **J Exp Med** 1984 Aug 1; 160(2):472–93

Immunochemical analysis of antigenic determinants of Chlamydia trachomatis by monoclonal antibodies. Matikainen MT, et al. **J Gen Microbiol** 1983 Aug;129 (Pt 8):2343–50

Monoclonal antibodies to gonococcal pili: studies on antigenic determinants on pili from variants of strain P9. Virji M, et al. **J Gen Microbiol** 1983 Jun;129 (Pt 6):1965–73

Localization of a neutralization epitope of foot-and-mouth disease virus using neutralizing monoclonal antibodies. Duchesne M, et al. **J Gen Virol** 1984 Sep;65 (Pt 9):1559–66

Neutralization epitopes on poliovirus type 3 particles: an analysis using monoclonal antibodies. Ferguson M, et al. **J Gen Virol** 1984 Jan;65 (Pt 1):197–201

Monoclonal antibodies recognizing structural components of murine retroviruses including an FMR antigen on protein p12. Gambke C, et al. **J Gen Virol** 1984 Sep;65 (Pt 9):1507–17

Demonstration of neutralizing and non-neutralizing epitopes on the trypsin-sensitive site of foot-and-mouth disease virus. Ouldridge EJ, et al. **J Gen Virol** 1984 Jan;65 (Pt 1):203–7

Purification, morphology and antigenic characterization of measles virus envelope components. Varsanyi TM, et al. **J Gen Virol** 1984 Feb;65 (Pt 2):355–66

Dehydration and embedding temperatures affect the antigenic specificity of tubulin and immunolabeling by the protein A-colloidal gold technique. Armbruster BL, et al. **J Histochem Cytochem** 1983 Dec;31(12):1380–4

Cloned human cytotoxic T lymphocyte (CTL) lines reactive with autologous melanoma cells. I. In vitro generation, isolation, and analysis to phenotype and specificity. de Vries JE, et al. **J Immunol** 1984 Jan;132(1):510–9

Antigenic relationships between human and cobra complement factors C3 and cobra venom factor (CVF) from the Indian cobra (Naja naja). Eggertsen G, et al. **J Immunol** 1983 Oct;131(4):1920–3

Monoclonal antibodies demonstrate multiple epitopes on the O antigens of Salmonella typhimurium LPS. Elkins K, et al. **J Immunol** 1984 Oct;133(4):2255–60

Characterization of determinants encoded by four Qa-1 genotypes and their recognition by cloned cytotoxic T lymphocytes. Jenkins RN, et al. **J Immunol** 1983 Nov; 131(5):2147–53

The human thymic microenvironment: cortical thymic epithelium is an antigenically distinct region of the thymic microenvironment. McFarland EJ, et al. **J Immunol** 1984 Sep;133(3):1241–9

Elucidation of the topography and determination of the protective epitopes on the E glycoprotein of Saint Louis encephalitis virus by passive transfer with monoclonal antibodies. Mathews JH, et al. **J Immunol** 1984 Mar; 132(3):1533–7

The murine IL 2 receptor. I. Monoclonal antibodies that define distinct functional epitopes on activated T cells and react with activated B cells. Ortega G, et al. **J Immunol** 1984 Oct;133(4):1970–5

Characterization of epitopes of human secretory component on free secretory component, secretory IgA, and membrane-associated secretory component. Woodard CS, et al. **J Immunol** 1984 Oct;133(4):2116–25

Immunohistochemical distribution of the antigenic determinants detected by monoclonal antibodies to carcinoembryonic antigen. Yachi A, et al. **J Immunol** 1984 Jun;132(6):2998–3004

An ELISA to detect monoclonal antibodies specific for lipid determinants of Mycoplasma pneumoniae. Morrison-Plummer J, et al. **J Immunol Methods** 1983 Nov 11;64(1-2):165–78

A radioimmunoassay with monoclonal antibodies for the detection of antigenic cell-free Fc receptor. Ran M, et al. **J Immunol Methods** 1984 Mar 30;68(1-2):275–84

Limited proteolysis selectively destroys epitopes on apolipoprotein B in low density lipoproteins. Hahm KS, et al. **J Lipid Res** 1983 Jul;24(7):877–85

Studies on the antigenic sites of actin: a comparative study of the immunogenic crossreactivity of invertebrate actins. De Couet HG. **J Muscle Res Cell Motil** 1983 Aug; 4(4):405–27

Antigenic determinant recognized by a monoclonal antibody to human myelin basic protein. Carnegie PR, et al. **J Neuroimmunol** 1983 Oct;5(2):125–34

Immunocytochemical localization of molluscan host-like antigenic determinants on the surfaces of adult Schistosoma mansoni. Devine DV, et al. **J Parasitol** 1984 Feb; 70(1):172–4

Identification of sperm antigenic determinants with phylogenetically diverse and limited distribution using monoclonal antibodies. Koyama YI, et al. **J Reprod Immunol** 1984 May;6(3):141–50

Epitopes on foot-and-mouth disease virus outer capsid protein VP1 involved in neutralization and cell attachment. Baxt B, et al. **J Virol** 1984 Aug;51(2):298–305

Antigenic analysis of woodchuck hepatitis virus surface antigen with site-specific radioimmunoassays. Cote PJ, et al. **J Virol** 1984 Mar;49(3):701–8

Common features of the yes and src gene products defined by peptide-specific antibodies. Gentry LE, et al. **J Virol** 1984 Aug;51(2):539–46

Antigenic relationships among proteins of bovine coronavirus, human respiratory coronavirus OC43, and mouse hepatitis coronavirus A59. Hogue BG, et al. **J Virol** 1984 Aug;51(2):384–8

Neutralization of Newcastle disease virus by monoclonal antibodies to the hemagglutinin-neuraminidase glycoprotein: requirement for antibodies to four sites for complete neutralization. Iorio RM, et al. **J Virol** 1984 Aug; 51(2):445–51

Monoclonal antibodies to Rous sarcoma virus pp60src react with enzymatically active cellular pp60src of avian and mammalian origin. Parsons SJ, et al. **J Virol** 1984 Aug; 51(2):272–82

Localization of a type-specific antigenic site on herpes simplex virus type 2 glycoprotein D. Rawls WE, et al. **J Virol** 1984 Jul;51(1):263–5

Antigenic structure of simian virus 40 large tumor antigen and association with cellular protein p53 on the surfaces of simian virus 40-infected and -transformed cells. Santos M, et al. **J Virol** 1984 Aug;51(2):376–83

Antigenic determinants in a virus-induced mouse mammary tumor recognized by cell-mediated immune assays. Lopez PF, et al. **JNCI** 1984 Mar;72(3):725–32

Exposure by desialylation of myeloid antigens on acute lymphoblastic leukemia cells. Stockinger H, et al. **JNCI** 1984 Jul;73(1):7–11

The carbohydrate antigenic determinant 19–9 (CA 19–9): a monoclonal antibody defined tumor marker. DelVillano BC, et al. **Lab Res Methods Biol Med** 1983;8:269–82

Epitopes of bovine leukemia virus glycoprotein gp51 recognized by sera of infected cattle and sheep. Bruck C, et al. **Leuk Res** 1984;8(3):315–21

A monoclonal antibody reactive with human hepatocytes. Holmes CH, et al. **Liver** 1983 Oct;3(5):295–302

Identification of shared antigenic determinants of different polypeptides from Davis and Towne cytomegalovirus strains with monoclonal antibodies. Chardonnet Y, et al. **Med Microbiol Immunol (Berl)** 1983;172(3):171–80

Immunological recognition of modifications on functionally related proteins. Knecht DA, et al. **Methods Enzymol** 1983; 98:159–66

Delineation of serologically distinct monomorphic determinants of human MHC class II antigens: evidence of heterogeneity in their topographical distribution. Beckman IG, et al. **Mol Immunol** 1984 Mar;21(3):205–14

A common idiotope on human rheumatoid factors identified by a hybridoma antibody. Carson DA, et al. **Mol Immunol** 1983 Oct;20(10):1081–7

Determinants of ryegrass pollen cytochrome c recognized by human IgE and murine monoclonal antibodies. Ekramoddoullah AK, et al. **Mol Immunol** 1984 May; 21(5):375–82

Molecular characteristics of the epitope in myelin-associated glycoprotein that is recognized by a monoclonal IgM in human neuropathy patients. Frail DE, et al. **Mol Immunol** 1984 Aug;21(8):721–5

Studies on Xenopus immunoglobulins using monoclonal antibodies. Hsu E, et al. **Mol Immunol** 1984 Apr; 21(4):257–70

Monoclonal antibodies to hog thyroglobulin recognizing disulfide-dependent conformational structures. Kondo E, et al. **Mol Immunol** 1984 Jul;21(7):581–8

Antigenic structure of adenylate kinase from porcine skeletal muscle—II. Immunochemical cross-reactivity of fragments from adenylate kinase. Koyama Y, et al. **Mol Immunol** 1983 Aug;20(8):851–6

Identification and synthesis of an antigenic determinant common to human chorionic somatomammotropin and human growth hormone. Neri P, et al. **Mol Immunol** 1984 Feb;21(2):151–7

Antigenic sites of human growth hormone and related molecules detected by monoclonal antibodies to human growth hormone. Surowy TK, et al. **Mol Immunol** 1984 May;21(5):345–52

An antigenic map of the haemagglutinin of the influenza Hong Kong subtype (H3N2), constructed using mouse monoclonal antibodies. Underwood PA. **Mol Immunol** 1984 Jul;21(7):663–71

Evidence for immunological cross-reaction between sporozoites and blood stages of a human malaria parasite. Hope IA, et al. **Nature** 1984 Mar 8–14;308(5955):191–4

Common non-hormone binding component in non-transformed chick oviduct receptors of four steroid hormones. Joab I, et al. **Nature** 1984 Apr 26–May 2; 308(5962):850–3

Association of human T-cell leukaemia/lymphoma virus with the Tac antigen marker for the human T-cell growth factor receptor. Lando Z, et al. **Nature** 1983 Oct 20–26; 305(5936):733–6

Poliovirus antigenic sites and vaccines [letter] Wimmer E, et al. **Nature** 1984 Mar 1–7;308(5954):19

Immunocytochemistry of the C-terminal peptide of propressophysin (CPP): relationship to vasopressin, oxytocin and neurophysin. Watson SJ, et al. **Neuropeptides** 1983 Jul;3(5):321–36

Tumor associated antigen in ovarian carcinoma. Negishi Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Jan; 36(1):126–32

Expression of antigenic regions of a trypanosome variable surface glycoprotein in E. coli using Bal-31 nuclease digestion. Lenardo MJ, et al. **Nucleic Acids Res** 1984 Jun 11;12(11):4637–52

DNA binding and antigenic specifications of DNA gyrase. Lother H, et al. **Nucleic Acids Res** 1984 Jan 25;12(2):901–14

Occurrence of fibronectin antigenic determinants on Schistosoma mansoni lung schistosomula and adult worms. Ouaissi MA, et al. **Parasitology** 1984 Feb;88 (Pt 1):85–96

Studies of antigens in Plasmodium yoelii. I. Antigenic differences between parasite lines detected by crossed immunoelectrophoresis. Panton LJ, et al. **Parasitology** 1984 Aug;89 (Pt 1):17–26

Pulse labeling of small nuclear ribonucleoproteins in vivo reveals distinct patterns of antigen recognition by human autoimmune antibodies. Fisher DE, et al. **Proc Natl Acad Sci USA** 1984 May;81(10):3185–9

Use of peptide synthesis to probe viral antigens for epitopes to a resolution of a single amino acid. Geysen HM, et al. **Proc Natl Acad Sci USA** 1984 Jul;81(13):3998–4002

Idiotypic determinants of natural IgM antibodies that resemble self Ia antigens. Holmberg D, et al. **Proc Natl Acad Sci USA** 1984 May;81(10):3175–9

IgM in a human neuropathy related to paraproteinemia binds to a carbohydrate determinant in the myelin-associated glycoprotein and to a ganglioside. Ilyas AA, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(4):1225–9

Shared antigenic determinant between the Electrophorus acetylcholine receptor and a synaptic component on chicken ciliary ganglion neurons. Jacob MH, et al. **Proc Natl Acad Sci USA** 1984 May;81(10):3223–7

Polypeptides immunologically related to band 3 are present in nucleated somatic cells. Kay MM, et al. **Proc Natl Acad Sci USA** 1983 Nov;80(22):6882–6

Generation of antibody diversity in the immune response of BALB/c mice to influenza virus hemagglutinin. McKean D, et al. **Proc Natl Acad Sci USA** 1984 May;81(10):3180–4

Immunological crossreactivity of eukaryotic C1-tetrahydrofolate synthase and prokaryotic 10-formyltetrahydrofolate synthetase. Staben C, et al. **Proc Natl Acad Sci USA** 1983 Nov;80(22):6799–803

The Ro small cytoplasmic ribonucleoproteins: identification of the antigenic protein and its binding site on the Ro RNAs. Wolin SL, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(7):1996–2000

Collagens: molecular and antigenic structure. Kühn K, et al. **Prog Clin Biol Res** 1984;154:45–59 (24 ref.)

Mitogenic activities of lipid A and liposome-associated lipid A: effects of epitope density. Alving CR, et al. **Rev Infect Dis** 1984 Jul–Aug;6(4):493–6

Antigenic variation of poliovirus studied by means of monoclonal antibodies. Crainic R, et al. **Rev Infect Dis** 1984 May–Jun;6 Suppl 2:S535–9

A monoclonal antibody to limbic system neurons. Levitt P. **Science** 1984 Jan 20;223(4633):299–301

Location and chemical synthesis of a pre-S gene coded immunodominant epitope of hepatitis B virus. Neurath AR, et al. **Science** 1984 Apr 27;224(4647):392–5

Three human cell surface antigen systems determined by genes on chromosome 12. Dracopoli NC, et al. **Somatic Cell Mol Genet** 1984 Sep;10(5):475–81

Two monoclonal antibodies detecting allotypic determinants of HLA-A. Minami S, et al. **Tissue Antigens** 1983 Oct; 22(4):239–45

HLA antigens of insulin-dependent diabetics. I. PLT colonies detecting Dw10 and a new class II determinant distinct from HLA-D, DR, MB(DC), MT, and SB. Sheehy MJ, et al. **Tissue Antigens** 1984 May;23(5):290–300

Non HLA antigenic determinants expressed on activated T and B human lymphocytes. Wollman EE, et al. **Tissue Antigens** 1984 Jan;23(1):1–11

Antigenicities of human myoglobin in various tissues and sera in various disorders, and of myoglobin in animals: results by radioimmunoassay system. Kawai H, et al. **Tokushima J Exp Med** 1983 Dec;30(3–4):79–84

Granulocyte specificities detected by cytotoxicity and agglutination. Kořínková P, et al. **Transfusion** 1983 Sep–Oct;23(5):391–3

Allogeneic and associative recognition determinants of H-2 molecules. Clark SS, et al. **Transplant Proc** 1983 Dec; 15(4):2090–2

Further molecular and functional evidence for the expression of H-2 allodeterminants on the AKR leukemia, K36. Festenstein H, et al. **Transplant Proc** 1983 Dec; 15(4):2107–10

Heterogeneity among H-2Kk antigens. Differential expression on lymphoid cells. O'Neill HC. **Transplantation** 1984 Aug;38(2):182–8

Antigenic cross-reactions between Mycoplasma arthritidis and rat tissues. Kirchhoff H, et al. **Vet Microbiol** 1984 Jul; 9(3):237–48

Antigenic variation in the influenza A virus nonstructural protein, NS1. Brown LE, et al. **Virology** 1983 Oct 15; 130(1):134–43

Adenovirus type 12 specific cell surface antigen in transformed cells is a product of the E1b early region. Föhring B, et al. **Virology** 1983 Dec;131(2):463–72

Antibody-induced conformational changes result in enhanced avidity of antibodies to different antigenic sites on the tick-borne encephalitis virus glycoprotein. Heinz FX, et al. **Virology** 1984 Feb;133(1):25–34

Antigenic reactivity of the major glycoprotein of equine infectious anemia virus, a retrovirus. Montelaro RC, et al. **Virology** 1984 Jul 30;136(2):368–74

Identification of the binding sites to monoclonal antibodies on A/USSR/90/77 (H1N1) hemagglutinin and their involvement in antigenic drift in H1N1 influenza viruses. Nakajima S, et al. **Virology** 1983 Nov;131(1):116–27

In vitro assembly of poliovirus empty capsids: antigenic consequences and immunological assay of the morphopoietic factor. Rombaut B, et al. **Virology** 1984 Jun; 135(2):546–50

Topographical mapping of epitopes on the glycoproteins of murine hepatitis virus-4 (strain JHM): correlation with biological activities. Talbot PJ, et al. **Virology** 1984 Jan 30;132(2):250–60

Simian virus 40 specific cytotoxic lymphocyte clones localize two distinct TSTA sites on cells synthesizing a 48 kD SV40 T antigen. Tevethia SS, et al. **Virology** 1984 Mar; 133(2):443–7

Antigenic and biological characterization of influenza virus neuraminidase (N2) with monoclonal antibodies. Webster RG, et al. **Virology** 1984 May;135(1):30–42

Distribution of antigenic determinants on human IgA1. Biewenga J, et al. **Vox Sang** 1983;45(6):426–31

Location of attachment moiety on Mycoplasma pneumoniae. Collier AM, et al. **Yale J Biol Med** 1983 Sep–Dec; 56(5–6):671–7

[Characterization of the antigenic index AnTAR 5 of Trypanosoma brucei brucei] Bajyana Songa E, et al. **Ann Soc Belg Med Trop** 1983 Sep;63(3):205–17 (Eng. Abstr.) **(Fre)**

[Rheumatoid factors] Meyer O. **Rev Rhum Mal Osteoartic** 1984 Apr;51(4):219–27 (52 ref.) **(Fre)**

[Detection of common determinants of HLA antigens A2 and B17 by absorption using human HLA serum] Májský A, et al. **Folia Haematol (Leipz)** 1983;110(5):768–72 (Eng. Abstr.) **(Ger)**

[Immunohistochemical identification of specific prostatic phosphatases and specific prostatic antigen in prostatic tumors] Bonetti F, et al. **Pathologica** 1983 Nov–Dec; 75(1040):789–95 (Eng. Abstr.) **(Ita)**

[Immuno-electron microscopic study of agglutinins of erythrocyte membrane glycoprotein, glycophorin A, (species specific marker and MN antigen)] Moroi T. **Igaku Kenkyu** 1983 Feb;53(1):1–14 (Eng. Abstr.) **(Jpn)**

[Species-specific antigenic reactive regions in alpha and beta chains of human hemoglobin] Oshima M. **Igaku Kenkyu** 1982 Dec;52(6):313–27 (Eng. Abstr.) **(Jpn)**

[Antigenic diversity of human glycophorin A. Forensic immunological studies on human specificity, report XIV] Hara M, et al. **Nippon Hoigaku Zasshi** 1983 Aug; 37(4):347–9 (Eng. Abstr.) **(Jpn)**

[Studies on the oligosaccharide chains with the specific antigen of human glycophorin A. Forensic immunological studies on human specificity, XV] Hara M, et al. **Nippon Hoigaku Zasshi** 1983 Aug;37(4):350–5 (Eng. Abstr.) **(Jpn)**

[Immunochemical localization of gamma-seminoprotein and beta-microseminoprotein in prostatic glands—forensic immunological studies of body fluids and secretion: report XIX] Tsuda R, et al. **Nippon Hoigaku Zasshi** 1983 Feb; 37(1):16–9 (Eng. Abstr.) **(Jpn)**

[Radioimmunological determination of cancerocerebral antigen in the blood serum of patients with ovarian tumors] Griaznova IM, et al. **Akush Ginekol (Mosk)** 1984 Apr; (4):27–9 (Eng. Abstr.) **(Rus)**

[Molecular structure of the O-specific polysaccharide of Pseudomonas aeruginosa] Kochetkov NK, et al. **Dokl Akad Nauk SSSR** 1983;271(5):1139–43 **(Rus)**

[High-molecular protein of skeletal muscle sarcomere having a common antigenic determinant with prekeratin] Troianovskiĭ SM, et al. **Dokl Akad Nauk SSSR** 1983; 272(4):991–4 **(Rus)**

[Specificity of a dried Leishmania antigen for the immunofluorescence reaction] Saf'ianova VM, et al. **Med Parazitol (Mosk)** 1983 Nov–Dec;(6):29–33 (Eng. Abstr.) **(Rus)**

[Study of the structural and functional properties of fibronectin—a high molecular weight plasma glycoproteins—by using monoclonal antibodies] Chernousov MA, et al. **Mol Biol (Mosk)** 1984 May–Jun; 18(3):643–52 (Eng. Abstr.) **(Rus)**

[Clinico-diagnostic significance of specific antigenemia in acute dysentery] Abdurakhmanova EG, et al. **Sov Med** 1984;(5):114–6 **(Rus)**

[A new antigenic variety of Shigella flexneri] Zhavoronkov VA, et al. **Voen Med Zh** 1983 Jul;(7):45–6 **(Rus)**

[Antigenic markers in the hemagglutinins of influenza type A viruses (H1N1) from various periods of circulation] Isaeva EI, et al. **Vopr Virusol** 1983 Nov–Dec;28(6):702–6 (Eng. Abstr.) **(Rus)**

[Antigenic determinants of the hemagglutinin of influenza virus type B] Zhumatov KKh, et al. **Vopr Virusol** 1983 Jul–Aug;28(4):35–9 (Eng. Abstr.) **(Rus)**

[Comparative immunochemical and physicochemical study of the neurospecific antigen 10–40–4 from human and rat brains] Kliushnik TP, et al. **Zh Evol Biokhim Fiziol** 1984 May–Jun;20(3):257–60 (Eng. Abstr.) **(Rus)**

GENETICS

Relationship between the secretor status and the expression of ABH blood group antigenic determinants in human intestinal brush–border membrane hydrolases. Triadou N, et al. **Biochim Biophys Acta** 1983 Dec 27;761(3):231–6

Polymorphic and monomorphic HLA–DR determinants on human hematopoietic progenitor cells. Falkenburg JH, et al. **Blood** 1984 May;63(5):1125–32

Determinant–specific regulation of T helper cell responses to murine lambda light chains by both H–2 and non–H–2 genes. Bogen B, et al. **Eur J Immunol** 1984 Feb;14(2):158–63

The specificity of H–2–restricted cytotoxic T lymphocytes directed to AKR/Gross leukemia virus–induced tumors. I. Isolation of a selectively resistant variant tumor subclone. Green WR. **Eur J Immunol** 1983 Nov;13(11):863–70

Chromosome assignment of monoclonal antibody–defined determinants on human leukemic cells. Katz F, et al. **Eur J Immunol** 1983 Dec;13(12):1008–13

Restriction fine specificity of long–term, hapten–specific cytotoxic T cell clones: analysis with H–2Kbm–mutant mice and H–2Kb–specific monoclonal antibodies. Pircher H, et al. **Eur J Immunol** 1984 Feb;14(2):144–52

Antigenic polymorphism of the T4 differentiation antigen expressed on human T helper/inducer lymphocytes. Fuller TC, et al. **Hum Immunol** 1984 Feb;9(2):89–102

Specificity of B genotype response to tumors induced by each of three subgroups of RSV. Brown DW, et al. **Immunogenetics** 1984;19(2):141–7

The expression of I–Ed molecules in F1 hybrid mice detected with antigen–specific, I–Ed–restricted cloned T–cell lines. Conrad PJ, et al. **Immunogenetics** 1984;20(3):311–9

Contact sensitivity in guinea pigs: allogeneic reaction and carrier specificity in antigenic recognition. Polak L. **Int Arch Allergy Appl Immunol** 1984;73(2):129–36

Hereditary abnormalities of the OKT4 human lymphocyte epitope in two families. Karol RA, et al. **J Clin Immunol** 1984 Jan;4(1):71–4

Mixed lymphocyte reactions for individuals with phenotypic identity for specific HLA–B,DR determinants: the role of linkage disequilibrium and of specific DR and other class II determinants. Pollack MS, et al. **J Clin Immunol** 1983 Oct;3(4):341–51

Antigen–specific suppression of human antibody responses by allogeneic T cells. I. Frequency and antigen specificity of allogeneic suppressor T cells and their role in major histocompatibility complex–controlled genetic restriction. Callard RE, et al. **J Exp Med** 1984 Apr 1;159(4):1225–37

The role of L3T4 in recognition of Ia by a cytotoxic, H–2Dd–specific T cell hybridoma. Greenstein JL, et al. **J Exp Med** 1984 Apr 1;159(4):1213–24

T cell surface I–J glycoprotein. Concerted action of chromosome–4 and –17 genes forms an epitope dependent on alpha–D–mannosyl residues. Klyczek KK, et al. **J Exp Med** 1984 Jun 1;159(6):1604–17

Self–recognition specificity expressed by T cells from nude mice. Absence of detectable Ia–restricted T cells in nude mice that do exhibit self–K/D–restricted T cell responses. Kruisbeek AM, et al. **J Exp Med** 1984 Sep 1;160(3):839–57

The role of I–J and Igh determinants on F1–derived suppressor factor in controlling restriction specificity. Minami M, et al. **J Exp Med** 1983 Nov 1;158(5):1428–43

Dissection of serological and cytolytic T lymphocyte epitopes on murine major histocompatibility antigens by a recombinant H–2 gene separating the first two external domains. Murre C, et al. **J Exp Med** 1984 Jul 1; 160(1):167–78

Genetic and biochemical characterization of human lymphocyte cell surface antigens. The A–1A5 and A–3A4 determinants. Peters PM, et al. **J Exp Med** 1984 May 1; 159(5):1441–54

Epitopes on H–2Dd somatic cell mutants recognized by cytotoxic T cells. Potter TA, et al. **J Exp Med** 1983 Oct 1;158(4):1061–76

Selective modification of a private I–A allo–stimulating determinant(s) upon association of antigen with an antigen–presenting cell. Rock KL, et al. **J Exp Med** 1984 Apr 1;159(4):1238–52

An idiotype–specific helper population that bears immunoglobulin, Ia, and Lyt–1 determinants. Sherr DH, et al. **J Exp Med** 1984 Apr 1;159(4):1189–200

Functional roles of two polypeptide chains that compose an antigen–specific suppressor T cell factor. Taniguchi M, et al. **J Exp Med** 1984 Apr 1;159(4):1096–104

The influenza A virus nucleoprotein gene controls the induction of both subtype specific and cross–reactive cytotoxic T cells. Townsend AR, et al. **J Exp Med** 1984 Aug 1;160(2):552–63

Antigen recognition by a T cell clone outside the context of the major histocompatibility complex. A role for Mls in antigen presentation. Waters SJ, et al. **J Exp Med** 1984 Jan 1;159(1):305–12

Negative selection in vivo reveals expression of strong Mls determinants in mice with X–linked immunodeficiency. Webb SR, et al. **J Exp Med** 1984 Jul 1;160(1):108–15

CTL recognize different determinants from those defined serologically on Ld somatic cell mutants. Bluestone JA, et al. **J Immunol** 1984 Sep;133(3):1168–73

Generation of the alloreactive T cell repertoire: K region homology between H–2b T cell precursors and T cell maturation environment is required for the generation of the Kbm6–specific cytotoxic T cell repertoire. Gress RE, et al. **J Immunol** 1984 May;132(5):2226–31

Measles virus–specific T4+ human cytotoxic T cell clones are restricted by class II HLA antigens. Jacobson S, et al. **J Immunol** 1984 Aug;133(2):754–7

Delineation of Ia:nominal antigen complementary determinants recognized by T cells in studies of gene complementation in response to insulin. Lin CC, et al. **J Immunol** 1984 Jan;132(1):303–9

Analysis of hapten–specific T suppressor factors: genetic restriction of TsF1 activity analyzed with synthetic hybrid suppressor molecules. Lowy A, et al. **J Immunol** 1984 Feb; 132(2):640–3

Antigen–specific xenogeneic CTL activity in the Syrian hamster. O'Hara RM Jr, et al. **J Immunol** 1984 Sep; 133(3):1163–7

Idiotypic analysis of a monoclonal anti–Sm antibody. II. Strain distribution of a common idiotypic determinant and its relationship to anti–Sm expression. Pisetsky DS, et al. **J Immunol** 1984 Oct;133(4):2085–9

MHC determinants of response to Rh immunization. Raum DD, et al. **J Immunol** 1984 Jan;132(1):157–9

Regulation of azophenylarsonate–specific repertoire expression. II. Fine specificity and isotype heterogeneity of anti–arsonate antibodies. Sigal NH. **J Immunol** 1983 Oct; 131(4):1889–94

Antigenic regions defined by monoclonal antibodies correspond to structural domains of avian lysozyme. Smith–Gill SJ, et al. **J Immunol** 1984 Jul;133(1):384–93

Activation of acceptor–suppressor hybridoma with antigen–specific suppressor T cell factor of two–chain type: requirement of the antigen– and the I–J–restricting specificity. Sumida T, et al. **J Immunol** 1984 Sep; 133(3):1131–6

Structural analysis of HLA–A2 antigen from immunoselected mutant 8.6.1: further definition of an HLA–A2–specific serological determinant. Taketani S, et al. **J Immunol** 1983 Dec;131(6):2935–8

Serologically detectable polymorphism of the HLA–DC alpha–subunit. Tosi R, et al. **J Immunol** 1984 Jan; 132(1):277–82

Recognition of influenza–infected cells by cytolytic T lymphocyte clones: determinant selection by class I restriction elements. Vitiello A, et al. **J Immunol** 1983 Oct; 131(4):1635–40

Familial OKT4+ lymphocyte deficiency [letter] Amino N, et al. **Lancet** 1984 Jul 14;2(8394):94–5

Monoclonal antibodies detect polymorphic determinants shared by I–A and I–E antigens. Koch N, et al. **Mol Immunol** 1984 Apr;21(4):293–9

Antigenic variation in Trypanosoma vivax: isolation of a serodeme. Barry JD, et al. **Parasitology** 1984 Aug;89 (Pt 1):49–58

Studies of antigens in Plasmodium yoelii. II. Inheritance and recombination of antigenic characters. Panton LJ, et al. **Parasitology** 1984 Aug;89 (Pt 1):27–34

Genetic control of myelin basic protein–induced experimental allergic encephalomyelitis in mice. Fritz RB, et al. **Prog Clin Biol Res** 1984;146:235–42

DNA cloning of Plasmodium falciparum circumsporozoite gene: amino acid sequence of repetitive epitope. Enea V, et al. **Science** 1984 Aug 10;225(4662):628–30

A new polymorphic determinant distinct from but expressed concomitantly with an HLA–Bw44 specificity. Sparrow RL, et al. **Tissue Antigens** 1984 Jan;23(1):50–7

The use of hybrid H–2 genes for localizing the positions of polymorphic determinants recognized by antibodies and by cytotoxic T cells. Ozato K, et al. **Transplant Proc** 1983 Dec;15(4):2074–6

Structural localization of class I MHC antigenic determinants by genetically mapping cytotoxic T–lymphocyte cross–reactives. Sears DW, et al. **Transplant Proc** 1983 Dec; 15(4):2064–7

Elicitation of the maternal antibody response to the fetus by a broadly shared MHC class I antigenic determinant. Ghani AM, et al. **Transplantation** 1984 Feb;37(2):187–94

Mutations affecting conformation or sequence of neutralizing epitopes identified by reactivity of viable plaques segregate from syn and ts domains of HSV–1(F) gB gene. Kousoulas KG, et al. **Virology** 1984 Jun;135(2):379–94

IMMUNOLOGY

Idiotype network interactions in tumor immunity. Schreiber H. **Adv Cancer Res** 1984;41:291–321 (185 ref.)

Antigenic diversity found in isolates of Plasmodium falciparum from Papua New Guinea by using monoclonal antibodies. Knowles G, et al. **Am J Trop Med Hyg** 1984 Mar;33(2):204–11

Grouping of haemolytic streptococci by monoclonal antibodies: determinant specificity, cross–reactivity and affinity. Herbst H, et al. **Ann Immunol (Paris)** 1983 Nov–Dec;134D(3):349–71

Idiotypic determinants used in the analysis of antibody diversification and as regulatory targets. Beyreuther K, et al. **Ann NY Acad Sci** 1983;418:121–9

An independent regulation of distinct idiotopes of the T15 idiotype by autologous T cells. Cerny J, et al. **Ann NY Acad Sci** 1983;418:31–9

Interspecies cross–reactivity of monoclonal antibodies to various epitopes of human plasminogen. Cummings HS, et al. **Arch Biochem Biophys** 1984 Apr;230(1):306–15

Detection of antibodies to strain–specific and cross–reactive antigenic determinants on the haemagglutinin of influenza viruses A/Texas/1/77 and A/Bangkok/1/79 in human sera. Brief report. Mancini G, et al. **Arch Virol** 1984; 79(1–2):117–21

Characterization of antigenic determinants of human apolipoprotein B. Distribution on tryptic fragments of low density lipoprotein. Theolis R Jr, et al. **Arteriosclerosis** 1984 Sep–Oct;4(5):498–509

Expression of apolipoprotein B epitopes in very low density lipoprotein subfractions. Studies with monoclonal antibodies. Tikkanen MJ, et al. **Arteriosclerosis** 1984 Mar–Apr;4(2):138–46

The location of antigenic sites on the surface of the nematode parasite Strongyloides ratti reactive to antibody–directed cellular cytotoxicity from both macrophages and eosinophils from the natural host. Tam ND, et al. **Aust J Exp Biol Med Sci** 1983 Dec;61 (Pt 6):629–36

Serological comparison and antigenic relationships of seven serotypes of infectious bronchitis virus using the hemagglutination–inhibition test. Lashgari MS, et al. **Avian Dis** 1984 Apr–Jun;28(2):435–43

Studies on the antibody composition and neutralizing activity of tetanus antitoxin sera from various species of animals in relation to the antigenic substructure of the tetanus toxin molecule. Matsuda M, et al. **Biken J** 1983 Dec;26(4):133–43

Epitope specific immunity elicited by a synthetic streptococcal antigen without carrier or adjuvant. Jolivet M, et al. **Biochem Biophys Res Commun** 1983 Dec 16; 117(2):359–66

The binding of monoclonal antibodies to cell–surface molecules. A quantitative analysis with immunoglobulin G against two alloantigenic determinants of the human transplantation antigen HLA–A2. Ways JP, et al. **Biochem J** 1983 Nov 15;216(2):423–32

The regulatory role of human neonatal monocytes in the in vitro antigen–specific plaque–forming cell response. van Tol MJ, et al. **Birth Defects** 1983;19(3):51–5

Monoclonal antibodies detecting antigenic determinants with restricted expression on erythroid cells: from the erythroid committed progenitor level to the mature erythroblast. Yokochi T, et al. **Blood** 1984 Jun;63(6):1376–84

Specificity of tumour associated transplantation antigens (TATA) of different clones from the same tumour. Woodruff MF, et al. **Br J Cancer** 1984 Jan;49(1):5–10

GM 58/8: a monoclonal antibody that identifies a new lineage–specific determinant expressed by myeloid progenitors (CFU–GM) and their progeny. Das Gupta A, et al. **Br J Haematol** 1984 Sep;58(1):147–58

Occupational asthma from nickel sensitivity: I. Human serum albumin in the antigenic determinant. Dolovich J, et al. **Br J Ind Med** 1984 Feb;41(1):51–5

A class of large polysaccharides contains the antigenic determinants for the cytotoxic antibodies in a conventional syngeneic anti–F9 serum as well as a monoclonal antibody prepared against F9 cells. Iwakura Y, et al. **Cell Differ** 1983 Sep;13(1):41–8

Cell–mediated immunity: correlation of mixed–leucocyte–macrophage migration inhibition with delayed–type hypersensitivity after immunization and donor–specific transfer of cell migration inhibition by dialyzable leucocyte extract. Mazaheri R, et al. **Cell Immunol** 1983 Nov;82(1):147–62

Suppression of rabbit lymphocyte functions by antibodies specific for allotypic membrane determinants. Ohama Y, et al. **Cell Immunol** 1984 Jul;86(2):429–38

Immunochemical identification of an alpha 1–acid glycoprotein–antigenic determinant on carcinoembryonic antigen (CEA) and non–specific cross–reacting antigen (NCA). Ochi Y, et al. **Clin Chim Acta** 1984 Mar 27; 138(1):9–19

Spontaneous and pokeweed mitogen–induced in vitro IgG production specific for S. aureus cell wall determinants in man. Hauser C, et al. **Clin Exp Immunol** 1984 Jul; 57(1):227–33

The role of MHC class II antigenic determinants in the function of human antigen binding T8+ cells, monocytes and helper and suppressor factors. Lehner T, et al. **Clin Exp Immunol** 1984 Jun;56(3):683–93

Human T cell proliferation in response to E. coli presented by autologous macrophages is antigen specific. Mannhalter JW, et al. **Clin Exp Immunol** 1983 Oct;54(1):95–102

Lymphoid antigenic determinants of the chicken: ontogeny of bursa–dependent lymphoid tissue. Boyd RL, et al. **Dev Comp Immunol** 1984 Winter;8(1):149–67

H–2 hierarchy in the IR–gene controlled responses to hapten–modified mouse serum albumin. Wicker LS, et al. **Dev Comp Immunol** 1984 Spring;8(2):425–34

Immunogenicity of recombinant DNA human insulin. Fineberg SE, et al. **Diabetologia** 1983 Dec;25(6):465–9

Absence of cell surface fixation of a monoclonal antibody detectable by conventional immunoassays does not exclude expression of and interaction with the corresponding antigenic determinant. Layet C, et al. **Eur J Immunol** 1984 Jan;14(1):99–102

Epitope specificity and Ia restriction of T cell responses to insulin in a system of complementing Ir genes: analysis with primed lymph node T cells and a long–term cultured T cell line. Spaeth E, et al. **Eur J Immunol** 1983 Sep; 13(9):756–61

Somatic H-2Kk variants reveal nonidentity of serological and cytotoxic T cell-defined Kk determinants. Vohr HW, et al. **Eur J Immunol** 1983 Oct;13(10):846–51

Antibodies against a retinal guanine nucleotide-binding protein cross-react with a single plasma membrane protein in non-retinal tissues. Gierschik P, et al. **FEBS Lett** 1984 Jul 9;172(2):321–5

Immunological identification of four different polypeptides in 'subunit VII' of mammalian cytochrome c oxidase. Kuhn-Nentwig L, et al. **FEBS Lett** 1984 Jul 9; 172(2):189–92

Epitopes of human intestinal alkaline phosphatases, defined by monoclonal antibodies. Ray K, et al. **FEBS Lett** 1984 Sep 3;174(2):294–9

The major core histone antigenic determinants in systemic lupus erythematosus are in the trypsin-sensitive regions. Thomas JO, et al. **FEBS Lett** 1984 Apr 9;169(1):90–6

Antibodies to alcohol altered liver cell determinants in patients with alcoholic liver disease. Neuberger J, et al. **Gut** 1984 Mar;25(3):300–4

Distinct epitopes on the T8 molecule are differentially involved in cytotoxic T cell function. Biddison WE, et al. **Hum Immunol** 1984 Feb;9(2):117–30

Monoclonal antibody which recognizes a common antigenic determinant on intermediate filament proteins, actin, and myosin. Franklin RM, et al. **Hybridoma** 1983;2(3):275–85

Molecular localization of the full profile of the continuous regions recognized by myoglobin-primed T-cells using synthetic overlapping peptides encompassing the entire molecule. Bixler GS Jr, et al. **Immunol Commun** 1983; 12(6):593–603

Antibodies with preselected specificities to protein regions evoked by immunization with free synthetic peptides: dose response to myoglobin antigenic sites reveal an optimum dose for each antigenic site. Young CR, et al. **Immunol Commun** 1983;12(4):419–28

Lymphoid cells from the rodent Praomys (Mastomys) natalensis express antigenic determinants present on mouse and rat lymphocytes. Beucher F, et al. **Immunol Lett** 1983; 7(2):99–106

Differences between the in vitro combinations of secretory component (SC) and immunoglobulin polymers (Ig) by enumeration of SC epitopes. Geneste C, et al. **Immunol Lett** 1984;7(4):195–201

Immunogenic and antigenic epitopes of immunoglobulins. VIII. A human monoclonal rheumatoid factor having specificity for a discontinuous epitope determined by histidine/arginine interchange as residue 435 of immunoglobulin G. Jefferis R, et al. **Immunol Lett** 1984; 7(4):191–4

Antigenic specificity in the E-rosette augmentation reaction. Klemm SA, et al. **Immunol Lett** 1983;7(2):65–71

Characterization of the murine antigenic determinant, designated L3T4a, recognized by monoclonal antibody GK1.5: expression of L3T4a by functional T cell clones appears to correlate primarily with class II MHC antigen-reactivity. Dialynas DP, et al. **Immunol Rev** 1983; 74:29–56 (67 ref.)

T helper factor in contact sensitivity: antigen-specific I-A+ helper factor is made by an Lyt-1+2-, I-A+, I-J- T cell. Colizzi V, et al. **Immunology** 1984 Jun;52(2):261–7

Monoclonal antibodies reactive with idiotypic and variable-region specific determinants on human immunoglobulins. Greenstein JL, et al. **Immunology** 1984 Jan;51(1):17–25

The dissociation of interleukin-2 production and antigen-specific helper activity by clonal analysis. Lamb JR, et al. **Immunology** 1983 Nov;50(3):397–405

The role of the major histocompatibility complex in in vitro antibody responses; MHC restriction in responses involving linked recognition of antigenic determinants is not solely consequent to T cell-accessory cell restrictions. Sullivan CP, et al. **Immunology** 1984 Feb;51(2):351–60

Characterization of cross reacting isolates of foot & mouth disease virus. Venkataramanan R, et al. **Indian J Exp Biol** 1983 Mar;21(3):137–42

Serological behaviour of cross reacting foot & mouth disease virus isolates. Venkataramanan R, et al. **Indian J Exp Biol** 1983 Mar;21(3):134–6

Characterization of monoclonal antibodies that react with unique and cross-reacting determinants of cholera enterotoxin and its subunits. Holmes RK, et al. **Infect Immun** 1983 Dec;42(3):914–23

Monoclonal antibodies to immunodeterminants of lipoteichoic acids. Jackson DE, et al. **Infect Immun** 1984 Mar;43(3):800–3

Allergen carriage by atmospheric aerosol. II. Ragweed-pollen determinants in submicronic atmospheric fractions. Habenicht HA, et al. **J Allergy Clin Immunol** 1984 Jul;74(1):64–7

Monoclonal antibodies specific for O-antigenic polysaccharides of Shigella flexneri: clones binding to II, II:3,4, and 7,8 epitopes. Carlin NI, et al. **J Clin Microbiol** 1983 Nov;18(5):1183–9

Use of absorbed antisera for demonstration of antigenic variation among strains of Legionella pneumophila serogroup 1. Thomason BM, et al. **J Clin Microbiol** 1984 Jun;19(6):794–7

Reactions of toxoplasma antibodies against three malarial antigens. Shehata MG, et al. **J Egypt Soc Parasitol** 1983 Dec;13(2):625–7

Direct demonstration that cytotoxic T lymphocytes recognize conformational determinants and not primary amino acid sequences. De Waal LP, et al. **J Exp Med** 1983 Nov 1;158(5):1720–6

Human Ia beta chains and the invariant chain share a common antigenic determinant. Finn OJ, et al. **J Exp Med** 1983 Oct 1;158(4):1344–9

The antigen-specific, major histocompatibility complex-restricted receptor on T cells. VI. An antibody to a receptor allotype. Haskins K, et al. **J Exp Med** 1984 Aug 1;160(2):452–71

Most influenza A virus-specific memory cytotoxic T lymphocytes react with antigenic epitopes associated with internal virus determinants. Kees U, et al. **J Exp Med** 1984 Feb 1;159(2):365–77

Trinitrophenyl modification of H-2k and H-2b spleen cells results in enhanced serological detection of Kk-like determinants. Levy RB, et al. **J Exp Med** 1984 May 1; 159(5):1464–72

HNK-1 antibody detects an antigen expressed on neuroectodermal cells. Lipinski M, et al. **J Exp Med** 1983 Nov 1;158(5):1775–80

Strain-specific and common epitopes of gonococcal pili. Rothbard JB, et al. **J Exp Med** 1984 Jul 1;160(1):208–21

Determinants recognized by murine rheumatoid factors: molecular localization using a panel of mouse myeloma variant immunoglobulins. Stassin V, et al. **J Exp Med** 1983 Nov 1;158(5):1763–8

Identification of distinct predominant epitopes recognized by myoglobin-specific T cells under the control of different Ir genes and characterization of representative T cell clones. Berkower I, et al. **J Immunol** 1984 Mar; 132(3):1370–8

Human natural killer cell recognition of herpes simplex virus type 1 glycoproteins: specificity analysis with the use of monoclonal antibodies and antigenic variants. Bishop GA, et al. **J Immunol** 1984 Oct;133(4):2206–14

Characteristics of a spontaneous monoclonal thymocytotoxic antibody from New Zealand Black mice: recognition of a specific NTA determinant. Bray KR, et al. **J Immunol** 1984 Sep;133(3):1318–24

Unresponsiveness in hapten-specific cytotoxic T lymphocytes. IV. Functional deletion of T cell subsets required for trinitrophenyl (TNP)-specific cytotoxic T cell generation after acute or chronic treatment with trinitrobenzene sulfonic acid (TNBS). Butler LD, et al. **J Immunol** 1983 Oct;131(4):1663–9

Six antigenic determinants in the surface layer of the archaebacterium Methanococcus vannielii revealed by monoclonal antibodies. Conway de Macario E, et al. **J Immunol** 1984 Feb;132(2):883–7

Collagen-induced arthritis in rats: antigen-specific suppression of arthritis and immunity by intravenously injected native type II collagen. Cremer MA, et al. **J Immunol** 1983 Dec;131(6):2995–3000

Analysis of structural properties and cellular distribution of avian Ia antigen by using monoclonal antibody to monomorphic determinants. Ewert DL, et al. **J Immunol** 1984 May;132(5):2524–30

Fine specificity of cloned insulin-specific T cell hybridomas: evidence supporting a role for tertiary conformation. Glimcher LH, et al. **J Immunol** 1983 Dec;131(6):2868–74

Topologic mapping of protective and nonprotective epitopes on the variant surface glycoprotein of the WRATat 1 clone of Trypanosoma brucei rhodesiense. Hall T, et al. **J Immunol** 1984 Apr;132(4):2059–63

Presence of an antigenic determinant common to rat IgE-potentiating factor, IgE-suppressive factor, and Fc epsilon receptors on T and B lymphocytes. Huff TF, et al. **J Immunol** 1984 Jan;132(1):406–12

Induction of T cell responses in nonresponder mice by abolishing suppression with monoclonal antibodies recognizing A region-controlled, T cell-specific determinants. Ikezawa Z, et al. **J Immunol** 1983 Oct; 131(4):1646–9

Monoclonal antibodies specific for Leishmania tropica. I. Characterization of antigens associated with stage- and species-specific determinants. Jaffe CL, et al. **J Immunol** 1983 Oct;131(4):1987–93

Circulating cellfree Fc gamma 2b/gamma 1 receptor in normal mouse serum: its detection and specificity. Khayat D, et al. **J Immunol** 1984 May;132(5):2496–501

A limited region within hen egg-white lysozyme serves as the focus for a diversity of T cell clones. Manca F, et al. **J Immunol** 1984 Oct;133(4):2075–8

Epitope mapping of the human surface suppressor/cytotoxic T cell molecule Tp32. Martin PJ, et al. **J Immunol** 1984 Feb;132(2):759–65

A shared antigenic specificity of human large granular lymphocytes and precursors of NK-like and allospecific cytotoxic effector cells. Nieminen P, et al. **J Immunol** 1984 Aug;133(2):702–8

Antigen-specific suppressor T lymphocytes (Leu-2a+3a-) in human schistosomiasis japonica. Ohta N, et al. **J Immunol** 1983 Nov;131(5):2524–8

A human Ia cytoplasmic determinant located on multiple forms of invariant chain (gamma, gamma 2, gamma 3). Quaranta V, et al. **J Immunol** 1984 Apr;132(4):1900–5

Regulation of the hapten-specific T cell response. I. Preferential induction of hyporesponsiveness to the D-end of the major histocompatibility complex in the hapten-specific cytotoxic T cell response. Scott CF Jr, et al. **J Immunol** 1983 Nov;131(5):2184–9

Two Ia.17-specific monoclonal antibodies detect the same epitope but do not share idiotype. Sher MR, et al. **J Immunol** 1984 Jul;133(1):338–44

T cell-accessory cell interactions that initiate allospecific cytotoxic T lymphocyte responses: existence of both Ia-restricted and Ia-unrestricted cellular interaction pathways. Singer A, et al. **J Immunol** 1984 May; 132(5):2199–209

Recognition of H-2Kb mutant target cells by Moloney virus-specific cytotoxic T lymphocytes from bm13 (H-2Db mutant) mice. I. Full recognition of Kbm11 by Kb-restricted CTL. Stukart MJ, et al. **J Immunol** 1984 Jul; 133(1):24–7

Recognition of H-2Kb mutant target cells by Moloney virus-specific cytotoxic T lymphocytes from bm13 (H-2Db-mutant) mice. II. Relationship of Kbm3 and Kbm11 in restriction specificities and allodeterminants. Stukart MJ, et al. **J Immunol** 1984 Jul;133(1):28–32

Antigen and MHC restriction specificity of two types of cloned male-specific T cell lines. Tomonari K. **J Immunol** 1983 Oct;131(4):1641–5

A solid-phase fibrin immunoassay for the specific detection of monoclonal antibodies against different epitopic determinants of tissue-plasminogen activators. Angles-Cano E, et al. **J Immunol Methods** 1984 Apr 13; 69(1):115–27

The effect of epitope density and antibody affinity on the ELISA as analysed by monoclonal antibodies. Lew AM. **J Immunol Methods** 1984 Aug 3;72(1):171–6

Detection of human in vitro hapten specific antibody responses. Macdonald PR, et al. **J Immunol Methods** 1983 Dec 16;65(1-2):257–64

Use of biotin-labeled monoclonal antibodies and avidin-peroxidase conjugates for the determination of epitope specificities in a solid-phase competitive enzyme immunoassay. Wagener C, et al. **J Immunol Methods** 1984 Mar 30;68(1-2):269–74

Prophylactic significance of the nonlipopolysaccharide antigens of Vibrio cholerae. Attridge SR, et al. **J Infect Dis** 1983 Nov;148(5):931–9

Schistosoma mansoni and Biomphalaria glabrata share epitopes: antibodies to sporocysts bind host snail hemocytes. Bayne CJ, et al. **J Invertebr Pathol** 1983 Sep; 42(2):221–3

Monoclonal antibodies to herpes simplex virus type 1 glycoproteins show that epitope location influences virus neutralization. La Thangue NB, et al. **J Med Virol** 1984; 13(3):227–42

Expansion of antigen-specific T cells from cerebrospinal fluid of patients with multiple sclerosis. Richert JR, et al. **J Neuroimmunol** 1983 Dec;5(3):317–24

Human monoclonal antibodies to myelin-associated glycoprotein. Comparison of specificity and use for immunocytochemical localisation of the antigen. Steck AJ, et al. **J Neuroimmunol** 1983 Oct;5(2):145–56

Ultrastructural localization of monoclonal IgG antibodies for antigenic sites of Eimeria tenella oocysts, sporocysts, and sporozoites. Speer CA, et al. **J Protozool** 1983 Aug; 30(3):548–54

Monoclonal antibodies directed against different antigenic determinants of rotavirus. Lambert JP, et al. **J Virol** 1984 Jul;51(1):47–51

Characterisation of renal antigens on distinct parts of the human nephron by monoclonal antibodies. Müller GA, et al. **Klin Wochenschr** 1983 Sep 15;61(18):893–902

Monoclonal antibodies point to carbohydrate structures as tumour-associated antigens. Feizi T. **Med Biol** 1983 Jun; 61(3):144–6

Immunogenic and antigenic properties of the COOH-terminal hexapeptide of substance P. Babińska A, et al. **Mol Immunol** 1984 Aug;21(8):727–30

Symmetry of effector function in the immune system network. Cooper-Willis A, et al. **Mol Immunol** 1983 Aug; 20(8):865–70

Monoclonal antibody against a cross-reactive idiotypic determinant found on human autoantibodies with anti-I and -i specificities. Evans SW, et al. **Mol Immunol** 1983 Oct;20(10):1127–31

Comparative study of pituitary and bacteria-derived human growth hormone by monoclonal antibodies. Jónsdóttir I, et al. **Mol Immunol** 1983 Aug;20(8):871–6

A bi-directional immune network mechanism: simultaneous induction of idiotype and anti-anti-idiotype in rabbits immunized with antibody to a common idiotypic specificity of anti-VHa2-allotype antibodies. Kazdin DS, et al. **Mol Immunol** 1983 Aug;20(8):819–26

Allotypic determinants (Igh-3) associated with the IgG2c subclass of rat immunoglobulins. Leslie GA. **Mol Immunol** 1984 Jul;21(7):577–80

Epitope diversity of monoclonal antibodies revealed by cross-species reactivity. López AF, et al. **Mol Immunol** 1984 May;21(5):371–4

Induction of immunological tolerance to the penicilloyl antigenic determinant—IV. The effect of BPO-oligolysines and cholestanol-bearing BPO-oligolysines on murine IgE responses. Lüscher IF, et al. **Mol Immunol** 1983 Oct; 20(10):1099–105

The antibody response to a single antigenic determinant of the tobacco mosaic virus protein: analysis using monoclonal antibodies, mutant proteins and synthetic peptides. Morrow PR, et al. **Mol Immunol** 1984 Apr;21(4):301–9

Immunological properties of rat lens gamma-crystallins. III.

Changes during development and ageing. Vornhagen R, et al. **Ophthalmic Res** 1983;15(3):126–30
The occurrence of antibodies to hidden and exposed determinants of surface antigens of Trichinella spiralis. Ortega-Pierres G, et al. **Parasitology** 1984 Apr;88 (Pt 2):359–69
Processing of lysozyme by macrophages: identification of the determinant recognized by two T-cell hybridomas. Allen PM, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(8):2489–93
Antigenic modulation: a mechanism of viral persistence. Fujinami RS, et al. **Prog Brain Res** 1983;59:105–11
Species-restricted encephalitogenic determinants. Alvord EC Jr. **Prog Clin Biol Res** 1984;146:523–37
Further delineation of encephalitogenic determinant for PL/J and (SJL.xPL)F1 mice. Chou CH, et al.
Prog Clin Biol Res 1984;146:229–34
Epitopes in myelin basic protein reactive with monoclonal antibodies. Hruby S, et al. **Prog Clin Biol Res** 1984; 146:271–6
Gene specific and antigen specific strategies for the induction of suppressor T cells to myelin basic protein. Steinman L, et al. **Prog Clin Biol Res** 1984;146:393–7
Immunospecific therapy of central nervous system autoaggression with an antigen-specific T cell line. Wekerle H. **Prog Clin Biol Res** 1984;146:435–41
Studies on human Ia supertypic specificities by complement fixation on PHA blasts. I. Serological properties of DC1 specificity. Guilherme L, et al.
Rev Fr Transfus Immunohematol 1983 Sep;26(4):379–94
Antigenic characterization of poliovirus type 3 usiag monoclonal antibodies. Ferguson M, et al.
Rev Infect Dis 1984 May-Jun;6 Suppl 2:S510–3
Interaction of suppressor and helper antigenic determinants in the dominance of either tolerance or immunity. Kölsch E. **Scand J Immunol** 1984 May;19(5):387–93 (33 ref.)
Virus-specific cytolytic cells. Their in vivo function. Finberg R, et al. **Surv Immunol Res** 1982;1(3):248–54 (21 ref.)
Use of donor bone marrow cells for the induction of specific allograft prolongation. Gozzo JJ. **Surv Immunol Res** 1982; 1(2):133–6 (21 ref.)
Strange connections in the unspecific parallel set. Lewis GK, et al. **Surv Immunol Res** 1982;1(3):262–7 (16 ref.)
Target sites for antibodies and cytotoxic T lymphocytes on H-2 molecules. Rüsch E, et al. **Transplant Proc** 1983 Dec; 15(4):2093–6
Antigen specificity and helper characteristics of antigen-driven helper-cell-independent cytolytic T lymphocytes. Widmer MB, et al. **Transplantation** 1983 Nov; 36(5):565–7
Class II molecules in anti-Thy-1 response of inbred mice. Studies of new Thy-1 and H-2 congenic strains. Zaleski MB, et al. **Transplantation** 1984 Jan;37(1):108–10
Biologically active epitopes of bovine leukemia virus glycoprotein gp51: their dependence on protein glycosylation and genetic variability. Bruck C, et al.
Virology 1984 Jul 15;136(1):20–31
[Studies on in vitro lymphocyte transformation test to C-polysaccharide of group A streptococci] Takizawa Y, et al. **Kansenshogaku Zasshi** 1983 Dec;57(12):1052–9 (Eng. Abstr.) **(Jpn)**
[Common antigenic regions of beta-chain of human hemoglobin. Forensic immunological studies on species specificity, report XII] Inoue T, et al.
Nippon Hoigaku Zasshi 1983 Jun;37(3):180–3 (Eng. Abstr.) **(Jpn)**
[Monoclonal antibodies to group-specific antigens of human erythrocytes] Lemeneva LN, et al. **Gematol Transfuziol** 1984 Feb;29(2):32–9 (Eng. Abstr.) **(Rus)**
[Major trends in lipid immunochemistry] Shvets VI, et al. **Ukr Biokhim Zh** 1984 May-Jun;56(3):254–63 (Eng. Abstr.) **(Rus)**
[Antigen-specific humoral factor of the lymph nodes stimulating the activity of 'silent' antibody-forming cells] Novikov VI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Jan;(1):68–71 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Affinity-purified antigen-specific products produced by T cells share epitopes recognized by heterologous antisera raised against several different antigen-specific products from T cells. Cone RE, et al. **Cell Immunol** 1983 Dec; 82(2):232–45
Antigenic determinants of human placental and testicular placental-like alkaline phosphatases as mapped by monoclonal antibodies. Millán JL, et al. **Eur J Biochem** 1983 Oct 17;136(1):1–7
Characterization of the autoimmune antigenic determinant for ribonucleoprotein (RNP) antibody. Agris PF, et al.
Immunol Commun 1984;13(2):137–49
Identification of shared antigenic determinants of the putative human T lymphocyte antigen receptor. Brenner MB, et al. **J Exp Med** 1984 Aug 1;160(2):541–51
Glycolipid antigens with blood group I and i specificities from human adult and umbilical cord erythrocytes. Okada Y, et al. **J Immunol** 1984 Aug;133(2):835–42
The Rh antigen specificity of erythrocyte proteolipid. Sinor LT, et al. **Transfusion** 1984 Mar-Apr;24(2):179–80
[Our experience in the preparation and use of group-specific chlamydial antigens] Martinov S, et al. **Vet Med Nauki** 1984;21(4):15–25 (Eng. Abstr.) **(Bul)**
[Antigenic region of alpha-chain of human hemoglobin with species specificity—forensic immunological studies on human specificity, report-X] Oshima M, et al.
Nippon Hoigaku Zasshi 1983 Feb;37(1):36–44 (Eng. Abstr.) **(Jpn)**
[Antigenic region of beta-chain of human hemoglobin with species specificity—forensic immunological studies on human specificity, report-XI] Oshima M, et al.
Nippon Hoigaku Zasshi 1983 Feb;37(1):45–52 (Eng. Abstr.) **(Jpn)**

ANTIGENIC SPECIFICITY see **ANTIGENIC DETERMINANTS**

ANTIGENS

see related
ANTIGEN-ANTIBODY REACTIONS

Active enhancement of rat cardiac allografts induced by donor specific semisoluble antigens. Fuchimoto S.
Acta Med Okayama 1983 Dec;37(6):471–81
Attempts to suppress experimental allergic neuritis in the rat by pretreatment with antigen. Brosnan JV, et al.
Acta Neuropathol (Berl) 1984;64(2):153–60
Molecular basis for the antigenicity of lidocaine analogs: tocainide and mexiletine. Duff HJ, et al. **Am Heart J** 1984 Mar;107(3):585–9
Monoclonal antibody screening: two methods using antigens immobilized on nitrocellulose. Smith E, et al.
Anal Biochem 1984 Apr;138(1):119–24
Clearance kinetics of heterologous antigen and antigen-antibody complexes in Schistosoma mansoni infected mice. Kestens L, et al.
Ann Soc Belg Med Trop 1984 Mar;64(1):21–36
Modulation of cell adhesion during induction, histogenesis, and perinatal development of the nervous system. Edelman GM. **Annu Rev Neurosci** 1984;7:339–77 (72 ref.)
How antigenic are antigenic peptides? Leach SJ.
Biopolymers 1983 Jan;22(1):425–40
From synthetic antigens to synthetic vaccines. Sela M.
Biopolymers 1983 Jan;22(1):415–24
Platelet-collagen interactions: increase in rate of adhesion of fixed washed platelets by factor VIII-related antigen. Aihara M, et al. **Blood** 1984 Mar;63(3):495–501
A model of persistent antigen-induced chronic inflammation in the rat air pouch. Yoshino S, et al. **Br J Exp Pathol** 1984 Apr;65(2):201–14
Purified lupus antigen La recognizes an oligouridylate stretch common to the 3' termini of RNA polymerase III transcripts. Stefano JE. **Cell** 1984 Jan;36(1):145–54
Characteristics of the protective response of BALB/c mice immunized with a purified Plasmodium yoelii schizont antigen. Freeman RR, et al. **Clin Exp Immunol** 1983 Dec; 54(3):609–16
Antigen processing and uptake from the intestinal tract. Kleinman RE, et al. **Clin Rev Allergy** 1984 Feb;2(1):25–37 (71 ref.)
Antigenic characterization of plasmodia. Perrin LH, et al.
Contemp Top Immunobiol 1984;12:109–25 (54 ref.)
Expression of epithelial antigens in primary cultures of normal human breast analysed with monoclonal antibodies. Edwards PA, et al. **Differentiation** 1984;25(3):247–58
Failure of the human autologous mixed lymphocyte reaction in the absence of foreign antigens. Kagan J, et al.
Eur J Immunol 1983 Dec;13(12):1031–6
Public and individual idiotopes in the anti-poly(Glu60, Ala30, Tyr10) response: analysis by monoclonal antibodies. Somme G, et al. **Eur J Immunol** 1983 Dec;15(12):1023–30
Effect of acute antigenic challenge on nasal ciliary beat frequency. Greenstone M, et al.
Eur J Respir Dis [Suppl] 1983;128 (Pt 2):449–50
In vivo demonstration of inflammatory mediator release following nasal challenge with antigen. Naclerio RM, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 1):26–32
Specific antibodies to porcine zona pellucida detected by quantitative radioimmunoassay in both fertile and infertile women. Kurachi H, et al. **Fertil Steril** 1984 Feb;41(2):265–9
Uptake of 51Cr-SRBC in low- and high-responder mouse strains. Říhová B, et al. **Folia Biol (Praha)** 1984;30(1):57–66
Pancreatic hormones tested as antigens for ICA in untreated IDDM. Versijp G, et al. **Horm Metab Res** 1983 Sep; 15(9):456
Release of cardiac antigens by streptolysin O. Gupta RK, et al. **Indian J Exp Biol** 1983 Apr;21(4):222–4
Chemical synthesis and serology of disaccharides and trisaccharides of phenolic glycolipid antigens from the leprosy bacillus and preparation of a disaccharide protein conjugate for serodiagnosis of leprosy. Fujiwara T, et al.
Infect Immun 1984 Jan;43(1):245–52
Immobilisation of antibodies and antigens on macro solid phases—a comparison between adsorptive and covalent binding. A critical study of macro solid phases for use in immunoassay systems. Part I. Wood WG, et al.
J Clin Chem Clin Biochem 1983 Dec;21(12):789–97
The effect of antigen cross-linking on the sensitivity of the enzyme-linked immunosorbent assay. Rotmans JP, et al.
J Immunol Methods 1984 May 11;70(1):53–64
Crystallized dextran nanospheres with entrapped antigen and their use as adjuvants. Schröder U, et al.
J Immunol Methods 1984 May 11;70(1):127–32
Effect of soluble antigen on the ellipsoid-associated cells of the chicken's spleen. Oláh I, et al. **J Leukocyte Biol** 1984 May;35(5):501–10
The subcellular localization of rat photoreceptor-specific antigens. Fekete DM, et al. **J Neurocytol** 1983 Oct; 12(5):785–803
Bovine serum albumin-GABA-His-Pro-NH2: an immunogen for production of higher affinity antisera for TRH. Youngblood WW, et al. **J Neurosci Methods** 1983 Dec;9(4):367–73
Molecular weight analysis of soluble antigens from Toxoplasma gondii. Johnson AM, et al. **J Parasitol** 1983 Jun;69(3):459–64
Antigenic properties of estriol 3-glucuronide-[C-6]-bovine serum albumin conjugates having oxime bridges. Nambara T, et al. **J Pharmacobiodyn** 1983 Sep;6(9):692–7
Association of sperm receptor activity with a purified pig zona antigen (PPZA). Sacco AG, et al.
J Reprod Immunol 1984 Feb;6(2):89–103
Toxicological studies on bestatin. IV. Studies on antigenicity, ocular mucosal irritation and mutagenicity. Sakakibara T, et al. **Jpn J Antibiot** 1983 Nov;36(11):3194–203
Serum from lichen planus patients reacts with fetal skin tissues. Olsen RG, et al. **Med Microbiol Immunol (Berl)** 1984;172(4):249–56
Biosynthesis of a putative protective Plasmodium knowlesi merozoite antigen. Deans JA, et al.
Mol Biochem Parasitol 1984 Apr;11:189–204
Differences in the surface radioiodinated proteins of skin and uterine microfilariae of Onchocerca gibsoni. Forsyth KP, et al. **Mol Biochem Parasitol** 1984 Feb;10(2):217–29
Stage specific secreted and somatic antigens of Trichinella spiralis. Parkhouse RM, et al. **Mol Biochem Parasitol** 1983 Dec;9(4):319–27
Metabolic labelling and characterisation of S-antigens, the heat-stable, strain-specific antigens of Plasmodium falciparum. Winchell EJ, et al. **Mol Biochem Parasitol** 1984 Mar;10(3):287–96
Origin of the terms 'antibody' and 'antigen'. Lindenmann J.
Scand J Immunol 1984 Apr;19(4):281–5
Therapeutic effects of interleukins on radiation-treated antigen-presenting cells in vivo and in vitro. Tominaga A, et al. **Surv Immunol Res** 1983;2(3):213–5
Standardization of Factor VIII-IV. Establishment of the 3rd International Standard for Factor VIII: C concentrate. Barrowcliffe TW, et al. **Thromb Haemost** 1983 Oct 31; 50(3):697–702
Is carcinoembryonic antigen an autoantigen? Abeyounis CJ, et al. **Transplant Proc** 1984 Apr;16(2):489–91
[Experimental and clinical studies on the antigenicity of glutaraldehyde-treated porcine aortic valves] Ma ZL.
Chung Hua I Hsueh Tsa Chih 1984 Jan;64(1):33–5 (Eng. Abstr.) **(Chi)**
[Chemical bionics—a new principle of conjugated antigen synthesis for the production of antibodies to low-molecular chemical compounds] Polevaia OIu, et al.
Dokl Akad Nauk SSSR 1983;271(2):473–7 **(Rus)**
[Synthesis of crystallin-like antigens and the capacity of the eye tissues of adult amphibia for transformation into the lens] Simirskiĭ VN, et al. **Dokl Akad Nauk SSSR** 1984; 276(6):1488–90 **(Rus)**
[Role of a microreaction using cardiolipin antigen in mass serologic screening for syphilis] Milich MV, et al.
Vestn Dermatol Venerol 1983 Oct;(10):19–22 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Modification of allergic bronchoconstriction by a calcium antagonist: mode of action [letter] Hahn HL.
Am Rev Respir Dis 1984 Jan;129(1):198–9
Effects of the methanol extract residue (MER) tubercle bacillus fraction on the production of antibodies in vitro. II. Effects on macrophage and lymphocyte populations. Ben-Efraim S, et al. **Cell Immunol** 1984 Jun;86(1):33–45
Immunomodulating properties of two synthetic adjuvants: dependence upon type of antigen, dose, and time of administration. Hilgers LA, et al. **Cell Immunol** 1984 Jul; 86(2):393–401
Immunologic suppression after oral administration of antigen. III. Activation of suppressor-inducer cells in the Peyer's patches. Mattingly JA. **Cell Immunol** 1984 Jun;86(1):46–52
T-cell responses induced by the parenteral injection of antigen-modified syngeneic cells. II. Mechanisms, specificity, and cellular analysis of 2,4,6-trinitrophenol (TNP)-specific cytolytic response priming by intravenous versus subcutaneous injection with TNP-modified syngeneic cells. Miller SD, et al. **Cell Immunol** 1983 Dec; 82(2):378–93
Unsuccessful induction of low-zone tolerance to bovine serum albumin injected into the subarachnoid space. Quirico Santos T, et al. **Cell Immunol** 1984 Feb;83(2):442–6
Interference with tolerance induction of primed B cells by the Fc fragment of immunoglobulin. Walker SM, et al.
Cell Immunol 1984 Mar;84(1):104–12
Antigen feeding modifies the course of antigen-induced immune complex disease. Devey ME, et al.
Clin Exp Immunol 1984 Jun;56(3):637–44
Heterogeneity of oral tolerance defects in autoimmune mice. Miller ML, et al. **Clin Immunol Immunopathol** 1984 May; 31(2):231–40
Tissue uptake and catabolic studies of 125I SS-B (La) injected into mice. Schrieber L, et al.
Clin Immunol Immunopathol 1984 Apr;31(1):24–32
Rheumatoid factors and secondary immune responses in the mouse. II. Incidence, kinetics and induction mechanisms. Coulie P, et al. **Eur J Immunol** 1983 Nov;13(11):895–9

Mononuclear cells, mast cells and mucous cells as part of the delayed hypersensitivity response to aerosolized antigen in mice. Enander I, et al. **Immunology** 1984 Apr;51(4):661–8

II. IgM-mediated enhancement: dependency on antigen dose, T-cell requirement and lack of evidence for an idiotype-related mechanism. Lehner P, et al. **Immunology** 1983 Nov;50(3):503–9

Coccidiosis: rapid depletion of circulating lymphocytes after challenge of immune chickens with parasite antigens. Rose ME, et al. **Infect Immun** 1984 Jul;45(1):166–71

IgA antibody produced by local presentation of antigen in orally primed rats. Cox DS, et al. **Int Arch Allergy Appl Immunol** 1984;74(3):249–55

Kinetics of oral tolerance: study of variables affecting tolerance induced by oral administration of antigen. Saklayen MG, et al. **Int Arch Allergy Appl Immunol** 1984; 73(1):5–9

Inhibition of antigen-induced bronchoconstriction by methylprednisolone succinate. Delehunt JC, et al. **J Allergy Clin Immunol** 1984 Apr;73(4):479–83

Hypersensitivity pneumonitis in rabbits. Modulation of pulmonary inflammation by long-term aerosol challenge with antigen. Wilson BD, et al. **J Allergy Clin Immunol** 1984 Aug;74(2):180–4

Effect of ingested sperm on fecundity in the rat. Allardyce RA. **J Exp Med** 1984 May 1;159(5):1548–53

Antigenic modulation of junctional acetylcholine receptor is not sufficient to account for the development of myasthenia gravis in receptor immunized mice. Berman PW, et al. **J Immunol** 1984 Feb;132(2):711–7

Elimination of intestinally absorbed antigen into the bile by IgA. Brown TA, et al. **J Immunol** 1984 Feb;132(2):780–2

Prophylactic immunization against experimental leishmaniasis. II. Further characterization of the protective immunity against fatal Leishmania tropica infection induced by irradiated promastigotes. Howard JG, et al. **J Immunol** 1984 Jan;132(1):450–5

Cholera toxin B subunit as a carrier protein to stimulate a mucosal immune response. McKenzie SJ, et al. **J Immunol** 1984 Oct;133(4):1818–24

Spleen cell-mediated suppression of IgG production to a non-parasite antigen during chronic Trypanosoma cruzi infection in mice. Reed SG, et al. **J Immunol** 1983 Oct; 131(4):1978–82

Enterically induced regulation of systemic immune responses. I. Lymphoproliferative responses in mice suppressed by ingested antigen. Silverman GA, et al. **J Immunol** 1983 Dec;131(6):2651–5

A sensitive delayed-type hypersensitivity model in the rat for assessing in vivo cell-mediated immunity. Henningsen GM, et al. **J Immunol Methods** 1984 May 25;70(2):153–65

Intrasplenic primary immunization for the production of monoclonal antibodies. Spitz M, et al. **J Immunol Methods** 1984 May 11;70(1):39–43

Antibodies to neurofibrillary tangles of Alzheimer's disease raised from human and animal neurofilament fractions. Gambetti P, et al. **Lab Invest** 1983 Oct;49(4):430–5

Nephritogenic and non-nephritogenic epithelial antigens in autoimmune and passive Heymann nephritis. Miettinen A, et al. **Lab Invest** 1984 Apr;50(4):435–46

Delayed hypersensitivity increased inflammation, mast cell and goblet cell numbers in response to aerosolized antigen. Ahlstedt S, et al. **Monogr Allergy** 1983;18:231–5

The fate of inhaled antigen within the respiratory tract of sensitized and unsensitized rats. Morrissey JF, et al. **Monogr Allergy** 1983;18:226–30

Genetically restricted antigen presentation for immunological tolerance and suppression. Lowy A, et al. **Nature** 1984 Mar 22–28;308(5957):373–5

Increased macrophage migration inhibition factor production in hamsters sensitized by amoebic antigen and glucan. Haq A, et al. **Parasite Immunol** 1984 Jul;6(4):391–6

Characterization and functional studies of the murine T-lymphocyte response to Mycobacterium leprae antigen. Haregewoin A, et al. **Scand J Immunol** 1983 Sep; 18(3):225–33

The specification of the immune response revisited. Danchin A. **Surv Immunol Res** 1982;1(2):173–83 (35 ref.)

Immunization with killed Acanthamoeba culbertsoni antigen and amoeba culture supernatant antigen in experimental Acanthamoeba meningoencephalitis. Rowan-Kelly B, et al. **Trans R Soc Trop Med Hyg** 1984;78(2):179–82

Prolongation of rat kidney allografts by pretransplant administration of donor antigen extract or whole blood transfusion combined with a short course of cyclosporine. Yasumura T, et al. **Transplantation** 1983 Dec;36(6):603–9

The effects of transfer factor, parasitic antigen and precipitated immunoglobulin treatments in lambs infected with Haemonchus contortus. Hunter AR, et al. **Vet Parasitol** 1983 Aug;13(1):45–53

[Bronchoconstrictor reaction pattern of the upper respiratory tract and peripheral bronchial system] Zimmermann I, et al. **Respiration** 1984;45(3):207–18 (Eng. Abstr.) **(Ger)**

[Inhibitory effects of steroids on slow-reacting substance of anaphylaxis (SRS-A) mediated bronchoconstriction in the guinea pig in vivo. Evaluation with inhalation of antigen and leukotriene C4] Fujimura M. **Arerugi** 1983 Jul; 32(7):365–75 (Eng. Abstr.) **(Jpn)**

[Dynamics of the rosette-forming activity of T- and B-lymphocytes in inbred mouse strains infected with Echinococcus larvocysts after immunization with/without homologous antigen] Adel'shin FK. **Med Parazitol (Mosk)** 1983 Sep–Oct;(5):68–72 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

The role of dietary antigen in the aetiology of post weaning diarrhoea. Miller B, et al. **Ann Rech Vet** 1983;14(4):487–92

The effects of nifedipine and verapamil on antigen-induced bronchoconstriction in dogs. Malo PE, et al. **Eur J Pharmacol** 1983 Aug 19;92(1–2):69–75

ANALYSIS

Applicability of sol particle immunoassay (SPIA) for detection of Schistosoma mansoni circulating antigens. Deelder AM, et al. **Acta Leiden** 1980 Dec;48:17–22

Circulating antigens in Schistosoma-infections. Qian ZL, et al. **Acta Leiden** 1982 Aug;49:71–80

Schistosome circulating antigens (CSA) as a possible diagnostic parameter for active infections. Qian ZL, et al. **Acta Leiden** 1983 Dec;51:37–52 (45 ref.)

Simultaneous localization of two different tissue antigens based on the silver intensified PAP-DAB and on the traditional PAP-DAB method. Liposits Z, et al. **Acta Morphol Hung** 1983;31(4):365–9

Distribution of endothelial and basement membrane markers in angiogenic tumors of the nervous system. Böhling T, et al. **Acta Neuropathol (Berl)** 1983;62(1–2):67–72

Alzheimer neurofibrillary tangles: monoclonal antibodies to inherent antigen(s). Wang GP, et al. **Acta Neuropathol (Berl)** 1984;62(4):268–75

Restoration of antigenicity of tissue antigens, cell-bound immunoglobulins and immune deposits in paraffin-embedded tissue. The influence of fixation and proteolytic enzymatic digestion. Suzuki Y, et al. **Acta Pathol Jpn** 1984 May;34(3):563–74

Immunogenicity of Trypanosoma cruzi in different animal species. Rubiolo ER. **Acta Physiol Lat Am** 1981; 31(3):199–206

Factor VIII-related antigen in malignant hemangioendothelioma of the thyroid: additional evidence for the endothelial origin of this tumor. Ruchti C, et al. **Am J Clin Pathol** 1984 Oct;82(4):474–80

Factor VIII-related antigen staining by immunoperoxidase technic in smaller laboratories: a potential problem. Wilson AJ. **Am J Clin Pathol** 1984 Jan;81(1):117–20

Dietary protein antigenemia in humoral immunodeficiency. Correlation with splenomegaly. Cunningham-Rundles C, et al. **Am J Med** 1984 Feb;76(2):181–5

Lack of von Willebrand factor, factor VIII related antigen and factor VIII coagulant response to human growth hormone infusion in type 2 diabetes mellitus. Grecu EO, et al. **Am J Med Sci** 1984 Mar–Apr;287(2):3–6

Duffy antigens and cancer in a black population. Miller JM, et al. **Am J Surg** 1983 Nov;146(5):639–40

Immuno-electron microscopic observations on Plasmodium knowlesi sporozoites: localization of protective antigen and its precursors. Fine E, et al. **Am J Trop Med Hyg** 1984 Mar;33(2):220–6

Ultrastructural localization of protective antigens of Plasmodium yoelii merozoites by the use of monoclonal antibodies and ultrathin cryomicrotomy. Oka M, et al. **Am J Trop Med Hyg** 1984 May;33(3):342–6

Detection of promastigote stage-specific antigens on Leishmania mexicana amazonensis developing in the midgut of Lutzomyia longipalpis. Pratt DM, et al. **Am J Trop Med Hyg** 1983 Nov;32(6):1268–71

Monoclonal antibody identification of protein antigens in the liver of mice infected with Schistosoma mansoni. Salama MM, et al. **Am J Trop Med Hyg** 1984 Jul;33(4):608–20

Detection of circulating parasite antigens in canine dirofilariasis by counterimmunoelectrophoresis. Weil GJ, et al. **Am J Trop Med Hyg** 1984 May;33(3):425–30

Detection of antigens on nitrocellulose paper immunoblots with monoclonal antibodies. De Blas AL, et al. **Anal Biochem** 1983 Aug;133(1):214–9

Visualization of antigenic proteins on Western blots. Knecht DA, et al. **Anal Biochem** 1984 Jan;136(1):180–4

Pre-embedment localization of antigens by immunofluorescent methods. Franklin RM. **Ann NY Acad Sci** 1983;420:165–75

Epstein-Barr virus nuclear antigen-positive nasopharyngeal hybrid cells. Takimoto T, et al. **Ann Otol Rhinol Laryngol** 1984 Mar–Apr;93(2 Pt 1):166–9

Affinity separation and partial characterization of serologically active Leishmania donovani antigens. Rassam MB, et al. **Ann Trop Med Parasitol** 1984 Feb;78(1):35–41

T cells in cutaneous lesions of Sézary syndrome and T-cell leukemia. Characterization by monoclonal antibodies. Buechner SA, et al. **Arch Dermatol** 1983 Nov; 119(11):895–900

Factor VIII-related antigen in Kaposi's sarcoma in young homosexual men. Flotte TJ, et al. **Arch Dermatol** 1984 Feb; 120(2):180–2

An immunoperoxidase study of S-100 protein, lysozyme and NCA protein distribution in histiocytosis X and allied disorders. Morishima T, et al. **Arch Dermatol Res** 1984; 276(4):240–2

Comparison of Ulex europaeus I lectin and factor VIII-related antigen in vascular lesions. Ordóñez NG, et al. **Arch Pathol Lab Med** 1984 Feb;108(2):129–32

The importance of tissue substrate in the SS-A/Ro antigen-antibody system. Harmon CE, et al. **Arthritis Rheum** 1984 Feb;27(2):166–73

A comparison of 'carrier screening' of hemophilia by the ratio of factor VIII coagulant activity or antigen to factor VIII related antigen. Ekert H, et al. **Aust NZ J Med** 1983 Oct;13(5):463–7

Chemical structure and antigenic aspects of complexes obtained from epimastigotes of Trypanosoma cruzi. Mendonça-Previato L, et al. **Biochemistry** 1983 Oct 11; 22(21):4980–7

Immunocytochemical localization of factor VIII/von Willebrand factor antigen in human platelets. Jeanneau C, et al. **Biol Cell** 1983;49(3):237–42

Possible relationship between the ratio of Factor VIII complex and placental insufficiency in preeclampsia. Ogawa T, et al. **Biol Res Pregnancy Perinatol** 1983; 4(4):155–7

Dietary protein antigenemia in hypogammaglobulinemia: relationship to splenomegaly. Cunningham-Rundles C, et al. **Birth Defects** 1983;19(3):239–41

Comparison of the native prothrombin antigen and the prothrombin time for monitoring oral anticoagulant therapy. Furie B, et al. **Blood** 1984 Aug;64(2):445–51

The effect of DDAVP on plasma levels of von Willebrand antigen II in normal individuals and patients with von Willebrand's disease. McCarroll DR, et al. **Blood** 1984 Mar; 63(3):532–5

Apparent molecular weight of purified human factor VIII procoagulant protein compared with purified and plasma factor VIII procoagulant protein antigen. Weinstein MJ, et al. **Blood** 1983 Nov;62(5):1114–7

Use of immunologic techniques to predict success of therapy in human fascioliasis: a case report. Hillyer GV, et al. **Bol Asoc Med PR** 1984 Mar;76(3):116–9

Paragonimus mexicanus: an antigenic analysis. Barquín N, et al. **Bol Chil Parasitol** 1982 Jul–Dec;37(3–4):42–6

Indirect immunofluorescence microscopy of lichen planus. Olsen RG, et al. **Br J Dermatol** 1984 Jan;110(1):9–15

Radioimmunoassay of fragment E-related neoantigen: validation studies and clinical application. Chen JP, et al. **Br J Haematol** 1984 May;57(1):133–44

Detection of haemophilia carriers: multivariate analysis compared with discriminant analysis using up to five factor VIII variates. Duncan BM, et al. **Br J Haematol** 1984 May; 57(1):113–21

Localization of factor VIIIC: antigen in guinea-pig tissues and isolated liver cell fractions. Kelly DA, et al. **Br J Haematol** 1984 Apr;56(4):535–43

Platelet antigens in chronic idiopathic thrombocytopenic purpura. Mason D, et al. **Br J Haematol** 1984 Apr; 56(4):529–34

Immunoenzymatic staining of haematological samples with monoclonal antibodies. Moir DJ, et al. **Br J Haematol** 1983 Nov;55(3):395–410

Evidence of degradation of factor VIII-antigen in ascitic fluid [letter] Vicente V, et al. **Br J Haematol** 1983 Nov; 55(3):555–7

Decrease in protein C antigen and formation of an abnormal protein soon after starting oral anticoagulant therapy. Viganò S, et al. **Br J Haematol** 1984 Jun;57(2):213–20

Platelet autoantigens in chronic ITP. Woods VL Jr, et al. **Br J Haematol** 1984 May;57(1):1–4

Reduction in the antigenicity of whey proteins by heat treatment: a possible strategy for producing a hypoallergenic infant milk formula. Heppell LM, et al. **Br J Nutr** 1984 Jan;51(1):29–36

Potential value of antisera to epithelial membrane antigen in detecting early invasion in transitional cell carcinoma. Pocock RD, et al. **Br J Urol** 1983 Dec;55(6):670–5

Quantitation of synaptic vesicle antigen in rabbit superior colliculus during normal development and after neonatal visual cortical lesion. Greif KF, et al. **Brain Res** 1983 Sep 19;275(1):143–7

Expression of glial antigens C1 and M1 in the peripheral nervous system during development and regeneration. Schachner M, et al. **Brain Res** 1984 Jun;316(2):165–78

Further characterization of filarial antigens by SDS polyacrylamide gel electrophoresis. Dissanayake S, et al. **Bull WHO** 1983;61(4):725–30

Partial biochemical and serological characterization of exsheathing fluid and somatic extracts of infective larvae and adult females of Haemonchus contortus. Clarke MW, et al. **Can J Comp Med** 1984 Apr;48(2):166–70

Incidence of Pneumocystis carinii antigenemia in ambulatory cancer patients. Robert NJ, et al. **Cancer** 1984 May 1; 53(9):1878–81

Cells of origin in human gastric neoplasms. Chen CK, et al. **Cancer Lett** 1983 Dec;21(2):195–200

Immunocytochemical evaluation of human prostatic carcinomas for carcinoembryonic antigen, nonspecific cross-reacting antigen, beta-chorionic gonadotrophin, and prostate-specific antigen. Purnell DM, et al. **Cancer Res** 1984 Jan;44(1):285–92

Analysis of the common polysaccharide antigens from the cell envelope of Clostridium perfringens type A. Cherniak R, et al. **Carbohydr Res** 1983 Aug 1;119:171–90

Two mouse hybridoma antibodies against human milk-fat globules recognise the I(Ma) antigenic determinant beta-D-Galp-(1 leads to 4)-beta-D-GlcpNAc-(1 leads to 6). Gooi HC, et al. **Carbohydr Res** 1983 Aug 16;120:293–302

Human anticentromere antibodies: distribution, characterization of antigens, and effect on microtubule organization. Cox JV, et al. **Cell** 1983 Nov;35(1):331–9

An antigen cross-reacting with anti-laminin sera is found in the submembranous cortical region of various cells in culture. Rajaraman R, et al. **Cell Biol Int Rep** 1984 May; 8(5):383–99

Use of monoclonal antibodies in an enzyme immunoassay for factor VIII-related antigen. Bradley LA, et al. **Clin Chem** 1984 Jan;30(1):87–92

Performance characteristics of a commercial kit for assay of factor viii-related antigen [letter] Cejka J. **Clin Chem** 1984 May;30(5):814–5

Immunoperoxidase techniques in dermatopathology. Holden CA, et al. **Clin Exp Dermatol** 1983 Sep;8(5):443–37 (70 ref.)

Detection and partial characterization of Crohn's disease tissue specific proteins recognized by Crohn's disease sera. Bagchi S, et al. **Clin Exp Immunol** 1984 Jan;55(1):41–8

Evidence for a disease specific antigen in circulating immune complexes in ankylosing spondylitis. Bruneau C, et al. **Clin Exp Immunol** 1983 Sep;53(3):529–35

Detection of Goodpasture antigen in fractions prepared from collagenase digests of human glomerular basement membrane. Fish AJ, et al. **Clin Exp Immunol** 1984 Jan; 55(1):58–66

Relationship between plasma levels of factor VIII related antigen and reticulo-endothelial function in chronic uremia. Milani L, et al. **Clin Nephrol** 1983 Nov;20(5):235–8

Structure and modulation of neural cell adhesion molecules in early and late embryogenesis. Edelman GM, et al. **Cold Spring Harbor Symp Quant Biol** 1983;48 Pt 2:515–26

Neural surface antigens during nervous system development. Goridis C, et al. **Cold Spring Harbor Symp Quant Biol** 1983; 48 Pt 2:527–37

Molecular and biological properties of a neural cell adhesion molecule. Rutishauser U. **Cold Spring Harbor Symp Quant Biol** 1983;48 Pt 2:501–14

Cell-surface molecules that characterize different stages in the development of cerebellar interneurons. Stallcup WB, et al. **Cold Spring Harbor Symp Quant Biol** 1983;48 Pt 2:761–74

The use of monoclonal antibodies in skin basement membrane research. Fine JD. **Coll Relat Res** 1984 Jan;4(1):75–81

Three-color immunofluorescence analysis of Leu antigens on human peripheral blood using two lasers on a fluorescence-activated cell sorter. Loken MR, et al. **Cytometry** 1984 Mar;5(2):151–8

Monoclonal antibodies to the major protein of the murine zona pellucida: effects on fertilization and early development. East IJ, et al. **Dev Biol** 1984 Jul;104(1):49–56

Anucleolate frog embryos contain ribosomal DNA sequences and a nucleolar antigen. Steele RE, et al. **Dev Biol** 1984 Apr;102(2):409–16

Monoclonal antibodies against developmentally regulated corneal antigens. Zak NB, et al. **Dev Biol** 1983 Oct; 99(2):373–81

Antigen distribution and humoral response in the lizard, Agama caudospinosum, after injection with Leishmania agamae. Ingram GA, et al. **Dev Comp Immunol** 1984 Spring; 8(2):339–49

Immune complexes as a manifestation of toxicological change. Parish WE. **Dev Toxicol Environ Sci** 1983; 11:201–10

Hematopoietic differentiation cell surface antigen switching in the bone marrow of different aged chickens. Nelson CH, et al. **Differentiation** 1984;26(1):36–41

The use of the leishmanin skin-test to define transmission of leishmaniasis in Baringo district, Kenya. Leeuwenburg J, et al. **East Afr Med J** 1983 Feb;60(2):81–4

Characterization of the SS-B (La) antigen in adenovirus-infected and uninfected HeLa cells. Habets WJ, et al. **EMBO J** 1983;2(10):1625–31

Intracellular localization of factor VIII-related antigen and fibronectin in cultured human endothelial cells: evidence for divergent routes of intracellular translocation. Hormia M, et al. **Eur J Cell Biol** 1984 Mar;33(2):217–28

The factor VIII ratio in normal and pathological pregnancies. Scholtes MC, et al. **Eur J Obstet Gynecol Reprod Biol** 1983 Oct;16(2):89–95

Factor VIII-related antigen. A pericellular matrix component of cultured human endothelial cells. Hormia M, et al. **Exp Cell Res** 1983 Dec;149(2):483–97

Two different cell adhesion molecules—cell-CAM 105 and a calcium-dependent protein—occur on the surface of rat hepatocytes. Ocklind C, et al. **Exp Cell Res** 1984 Mar; 151(1):29–45

Taenia taeniaeformis: immunoprecipitation analysis of the protein antigens of oncospheres and larvae. Bowtell DD, et al. **Exp Parasitol** 1983 Dec;56(3):416–27

Fasciola hepatica and Schistosoma mansoni: immunofluorescent antigen localization and cross-reactivity. Hanna RE, et al. **Exp Parasitol** 1984 Feb; 57(1):1–14

Babesia bovis: proteins of virulent and avirulent parasites passaged through ticks and splenectomized or intact calves. Kahl LP, et al. **Exp Parasitol** 1983 Oct;56(2):222–35

Babesial antigens in a saline eluate of sucrose washed bovine erythrocytes infected with Babesia bovis. Goodger BV, et al. **Experientia** 1983 Dec 15;39(12):1392–3

Conservation of interphase chromatin nonhistone antigens as components of metaphase chromosomes. Adolph KW. **FEBS Lett** 1984 Jan 9;165(2):211–5

Changes in antigen distribution and lymphocyte migration pattern after peroral immunization. Větvička V, et al. **Folia Microbiol (Praha)** 1984;29(2):181–8

Indirect haemagglutination reaction with antigen of Sarcocystis gigantea (Railliet, 1886) Ashford, 1977. Cerva L, et al. **Folia Parasitol (Praha)** 1983;30(3):223–8

Blood group H(O) antigen in normal, dysplastic and carcinomatous esophageal epithelium. Sato E, et al. **Gann** 1984 Mar;75(3):223–9

Identification and immunocytochemical localization of a human adult brain-specific antigen (HABSA). Kehayov IR, et al. **Histochemistry** 1983;79(1):117–30

Collagenase in the immunohistochemical demonstration of laminin, fibronectin and factor VIII/RAg in nervous tissue after fixation. Mauro A, et al. **Histochemistry** 1984; 80(2):157–63

Preparation and antigenic properties of 2-hydroxyestriol-bovine serum albumin conjugate. Fujii Y, et al. **Horm Metab Res** 1984 May;16(5):268–9

Immunohistochemical localization of prostate-specific acid phosphatase and prostate-specific antigen in stage A2 adenocarcinoma of the prostate: prognostic implications. Epstein JI, et al. **Hum Pathol** 1984 Sep;15(9):853–9

Two closely related antigens expressed on granulocytes, macrophages and some reticular elements in rat lymphoid tissues: characterization by monoclonal antibodies. Ishii Y, et al. **Immunology** 1984 Mar;51(3):477–87

Detection of circulating toxocaral antigens in dogs by sandwich enzyme-immunoassay. Matsumura K, et al. **Immunology** 1984 Mar;51(3):609–13

Production of hybrids of mouse myeloma cells and protozoa which express parasite antigens. Rodriguez-Lopez MH, et al. **Immunology** 1984 Aug;52(4):727–32

Relative efficacy of Wuchereria bancrofti microfilarial & infective larval antigens in the detection of filarial antibodies. Dhanvantari Naidu Y, et al. **Indian J Med Res** 1984 Jan;79:50–4

Detection & monitoring of microfilarial ES antigen levels by inhibition ELISA during DEC therapy. Malhotra A, et al. **Indian J Med Res** 1984 Feb;79:194–8

Detection of filarial antigen in immune complexes in bancroftian filariasis by ELISA. Prasad GB, et al. **Indian J Med Res** 1983 Dec;78:780–3

Morphological study of antigen-sampling structures in the rat large intestine. Bland PW, et al. **Infect Immun** 1984 Feb;43(2):693–9

Plasmodium falciparum: protein antigens identified by analysis of serum samples from vaccinated Aotus monkeys. Kan SC, et al. **Infect Immun** 1984 Jan;43(1):276–82

Specific and common antigens of Trichomonas vaginalis detected by monoclonal antibodies. Torian BE, et al. **Infect Immun** 1984 Jan;43(1):270–5

Monoclonal antibodies identify a CEA crossreacting antigen of 95 kD (NCA-95) distinct in antigenicity and tissue distribution from the previously described NCA of 55 kD. Buchegger F, et al. **Int J Cancer** 1984 May 15;33(5):643–9

Monoclonal antibodies against human milk-fat globule membranes detecting differentiation antigens of the mammary gland and its tumors. Hilkens J, et al. **Int J Cancer** 1984 Aug 15;34(2):197–206

Tissue distribution of a coelomic-epithelium-related antigen recognized by the monoclonal antibody OC125. Kabawat SE, et al. **Int J Gynecol Pathol** 1983;2(3):275–85

Keratin and tissue polypeptide antigen profiles of the cervical mucosa. Löning T, et al. **Int J Gynecol Pathol** 1983; 2(2):105–12

Human retinal S-antigen. Isolation, purification, and characterization. Beneski DA, et al. **Invest Ophthalmol Vis Sci** 1984 Jun;25(6):686–90

Antigens and allergens from the common house dust mite Dermatophagoides pteronyssinus. Part I. Demonstration of multiple allergens by immunochemical and biologic analyses. Krilis S, et al. **J Allergy Clin Immunol** 1984 Aug; 74(2):132–41

Changes in distribution of nuclear matrix antigens during the mitotic cell cycle. Chaly N, et al. **J Cell Biol** 1984 Aug; 99(2):661–71

Changes in nuclear antigens during reactivation of chick erythrocyte nuclei in heterokaryons. Nyman U, et al. **J Cell Physiol** 1984 Aug;120(2):257–62

The mononuclear phagocyte system of the mouse defined by immunohistochemical localization of antigen F4/80: macrophages of bone and associated connective tissue. Hume DA, et al. **J Cell Sci** 1984 Mar;66:189–94

Synthesis and evaluation of luminescent tracers and hapten-protein conjugates for use in luminescence immunoassays with immobilised antibodies and antigens. A critical study of macro solid phases for use in immunoassay systems, Part II. Gadow A, et al. **J Clin Chem Clin Biochem** 1984 May;22(5):337–47

Fibronectin and factor VIII-related antigen in liver cirrhosis and acute liver failure. Höfeler H, et al. **J Clin Chem Clin Biochem** 1984 Jan;22(1):15–9

Escherichia coli K5 antigen in relation to various infections and in healthy individuals. Kaijser B, et al. **J Clin Microbiol** 1984 Feb;19(2):264–6

Immunoblot analysis of Toxoplasma gondii antigens by human immunoglobulins G, M, and A antibodies at different stages of infection. Partanen P, et al. **J Clin Microbiol** 1984 Jul;20(1):133–5

Immunohistochemical localisation of factor VIII-related antigen in Hodgkin's disease. Crocker J, et al. **J Clin Pathol** 1984 Jan;37(1):37–44

Value of factor VIII related antigen as a means of demonstrating extramedullary megakaryopoiesis. Crocker J, et al. **J Clin Pathol** 1984 Jul;37(7):834–5

Lack of correlation between factor VIII related antigen multimeric analysis pattern and parallel or non-parallel dose response curves in an ELISA factor VIII related antigen assay. Short PE, et al. **J Clin Pathol** 1984 Feb; 37(2):194–9

Monoclonal antibody identifies a 63,000 dalton antigen found in all central neuronal cell bodies but in only a subset of axons in the leech. McKay R, et al. **J Comp Neurol** 1984 Jul 1;226(3):448–55

Immunoperoxidase staining of previously stained tissue. Walder D, et al. **J Cutan Pathol** 1984 Apr;11(2):95–8

Behçet's disease leucocyte inhibitory factor (LIF) in response to skin extract. Gilhar A, et al. **J Dermatol (Tokyo)** 1983 Apr;10(2):185–6

Antigen in contact sensitivity: II. Scanning immunoelectron microscopic studies of the distribution of DNP groups on the epidermal cells of guinea pigs following skin painting with DNCB. Oka D, et al. **J Dermatol (Tokyo)** 1984 Feb; 11(1):15–9

Soluble antigens and antibodies in the sera of mice infected with Trichinella spiralis, detected by a modified double counterimmunoelectrophoresis technique. Smith HV, et al. **J Helminthol** 1984 Mar;58(1):71–8

Radioimmunocytochemical localization of retinal S-antigen with monoclonal antibodies. Das ND, et al. **J Histochem Cytochem** 1984 Aug;32(8):834–8

Immunocytochemical localization of nerve growth factor: effects of fixation. Hazen-Martin DJ, et al. **J Histochem Cytochem** 1984 Jan;32(1):30–6

Quantification of antiserum reactivity in immunocytochemistry. Two new methods for measuring peroxidase activity on antigen-coupled beads incubated according to an immunocytoperoxidase method. Pool CW, et al. **J Histochem Cytochem** 1984 Sep;32(9):921–8

Homologous and distinctive antigens of Onchocerca volvulus and Dirofilaria immitis: detection by an enzyme-linked immuno-inhibition assay. Boto WM, et al. **J Immunol** 1984 Aug;133(2):981–7

Immunoradiometric assay for detection of filarial antigens in human serum. Hamilton RG, et al. **J Immunol** 1984 Oct; 133(4):2237–42

Fate and mechanism of clearance of PSAP, a schistosome antigen, in schistosomiasis. Nash T. **J Immunol** 1983 Nov; 131(5):2520–3

Excretory-secretory products of Giardia lamblia. Nash TE, et al. **J Immunol** 1983 Oct;131(4):2004–10

Antigen-specific suppressor T lymphocytes (Leu-2a+3a-) in human schistosomiasis japonica. Ohta N, et al. **J Immunol** 1983 Nov;131(5):2524–8

Identification of macrophage receptors for angiotensin: a potential role in antigen uptake for T lymphocyte responses? Thomas DW, et al. **J Immunol** 1984 Jun; 132(6):2807–12

The demonstration of sIg, MHC and T cell antigens and Fc receptors on the lymphocyte surface by anti-globulin rosetting reactions: some technical considerations. Binns RM, et al. **J Immunol Methods** 1983 Sep 30;63(1):69–80

Quantitation of a highly immunogenic leukocyte antigen (L1) by radioimmunoassay: methodological evaluation. Dale I, et al. **J Immunol Methods** 1983 Dec 16;65(1-2):245–55

Counterimmunoblotting: detection of non-denatured or denatured antigens in antibody-containing agarose gels following polyacrylamide gel electrophoresis. Elkon KB, et al. **J Immunol Methods** 1984 May 25;70(2):211–9

Crossed immunoelectrophoresis of rat serum. Emmett M, et al. **J Immunol Methods** 1984 Mar 16;67(2):279–88

Limitations of the radioimmunoprecipitation polyethylene glycol assay (RIPEGA) for detection of filarial antigens in serum. Hamilton RG, et al. **J Immunol Methods** 1984 Mar 30;68(1-2):349–66

Identification of the SS-A/Ro intracellular antigen with autoimmune sera. Lieu TS, et al. **J Immunol Methods** 1984 Jul 6;71(2):217–28

Use of the Bio-Rad silver stain to identify gel purified RNA components of small nuclear ribonucleoprotein antigens. McNeilage LJ, et al. **J Immunol Methods** 1984 Feb 10; 66(2):253–60

Detection of intracytoplasmic antigens by flow cytometry. Schroff RW, et al. **J Immunol Methods** 1984 May 25; 70(2):167–77

Histocompatibility leukocyte antigen and erythrocyte MNSs specificities in patients with meningitis or epiglottitis due to Haemophilus influenzae type b. Granoff DM, et al. **J Infect Dis** 1984 Mar;149(3):373–7

Pattern of distribution of blood group antigens on human epidermal cells during maturation. Dabelsteen E, et al. **J Invest Dermatol** 1984 Jan;82(1):13–7

KF-1 monoclonal antibody defines a specific basement membrane antigen defect in dystrophic forms of epidermolysis bullosa. Fine JD, et al. **J Invest Dermatol** 1984 Jan;82(1):35–8

Pemphigus and pemphigoid antigens are expressed in human amnion epithelium. Robinson HN, et al. **J Invest Dermatol** 1984 Sep;83(3):234–7

Identification and partial characterization of pemphigoid antigen extracted from normal human skin. Stanley JR, et al. **J Invest Dermatol** 1984 Jan;82(1):108–11

Correlation between circulating levels of von Willebrand's antigen II and von Willebrand factor: discrimination between type I and type II von Willebrand's disease. McCarroll DR, et al. **J Lab Clin Med** 1984 May;

103(5):704–11
Time course of changes in in vitro platelet function and plasma von willebrand factor activity (VIIIR:WF) and factor VIII–related antigen (VIIIR:Ag) in the diabetic rat. Winocour PD, et al. **J Lab Clin Med** 1983 Nov; 102(5):795–804
18B1: an axon–specific antigen associated with many proteins. Hawkes R, et al. **J Neurochem** 1984 Feb;42(2):587–9
Immune responses to myelin antigens in Guillain–Barré syndrome. Hughes RA, et al. **J Neuroimmunol** 1984 Aug; 6(5):303–12
Myasthenia gravis. Identification of skeletal and heart muscle antigens not related to the acetylcholine receptor. Mehl VS, et al. **J Neuroimmunol** 1984 Aug;6(5):347–60
Improved hemophilia A carrier detection by DDAVP stimulation of factor VIII. Kobrinsky NL, et al. **J Pediatr** 1984 May;104(5):718–24
Bone–marrow origin of endometrial granulocytes in the early human placental bed. Bulmer JN, et al. **J Reprod Immunol** 1983 Nov;5(6):383–7
Distribution of blood group antigens A, B, H, and I(Ma) in mucus–producing adenocarcinoma of human lung. Hirohashi S, et al. **JNCI** 1984 Jun;72(6):1299–305
Localization of S–antigen by enzyme–labelled antibody method and electron microscopy. Yajima S, et al. **Jpn J Ophthalmol** 1983;27(3):526–34
Characterization of the antigen (gp600) of Heymann nephritis. Makker SP, et al. **Lab Invest** 1984 Mar; 50(3):287–93
Methods in laboratory investigation. Immunoelectron microscopic methods for demonstration of antigens on normal human melanocytes and other epidermal cells. van Duinen SG, et al. **Lab Invest** 1984 Jun;50(6):733–41
Freeze–dried paraffin–embedded human tissue for antigen labelling with monoclonal antibodies. Stein H, et al. **Lancet** 1984 Jul 14;2(8394):71–3
The effect of age on antigen retention in lymphoid follicles and in collagenous tissue of mice. Holmes KL, et al. **Mech Ageing Dev** 1984 Apr–May;25(1–2):243–55
A contribution towards the antigenic analysis of Toxoplasma gondii. Francis JM. **Med Lab Sci** 1983 Oct;40(4):319–25
Production of monoclonal antibodies reacting with the cytoplasm and surface of differentiated cells. Scearce RM, et al. **Methods Enzymol** 1983;103:459–69
One antigen may form two precipitin lines and two spurs when tested with two monoclonal antibodies by gel diffusion assays. Molinaro GA, et al. **Mol Immunol** 1984 Feb;21(2):181–4
Identification of the skin basement–membrane autoantigen in epidermolysis bullosa acquisita. Woodley DT, et al. **N Engl J Med** 1984 Apr 19;310(16):1007–13
Immunohistochemical localization of toxoplasma antigen in reactive and neoplastic lymph nodes. Al Adnani MS, et al. **Neoplasma** 1984;31(1):51–6
Circulating antigens and antibodies of Dirofilaria immitis in the dog detected by counterimmunoelectrophoresis. Tagawa M, et al. **Nippon Juigaku Zasshi** 1983 Jun; 45(3):323–9
Factor VIII related antigen in malignant disease: discrepancy between enzyme immunoassay (EIA) and quantitative immunoelectrophoresis. Wada H, et al. **Nippon Ketsueki Gakkai Zasshi** 1983 Jul;46(4):977–88
Lymphatic filariasis in man: demonstration of circulating antigens in Wuchereria bancrofti infection. Dasgupta A, et al. **Parasite Immunol** 1984 Jul;6(4):341–8
Leishmania major: identification of stage–specific antigens and antigens shared by promastigotes and amastigotes. Handman E, et al. **Parasite Immunol** 1984 May;6(3):223–33
Circulating antigens, antibodies and immune complexes in experimental Taenia pisiformis infections of rabbits. Craig PS. **Parasitology** 1984 Aug;89 (Pt 1):121–31
Protein antigens of Plasmodium knowlesi clones of different variant antigen phenotype. Howard RJ, et al. **Parasitology** 1984 Apr;88 (Pt 2):221–37
Expression of glial fibrillary acidic protein, actin, fibronectin and factor VIII antigen in human astrocytomas. Lolait SJ, et al. **Pathology** 1983 Oct;15(4):373–8
Histocompatibility antigens, transferrin receptors and extra–embryonic markers of human amniotic epithelial cells in vitro. Yeh CJ, et al. **Placenta** 1983 Oct–Dec;4(4):361–8
Antibodies to the Epstein–Barr virus nuclear antigen and to rheumatoid arthritis nuclear antigen identify the same polypeptide. Billings PB, et al. **Proc Natl Acad Sci USA** 1983 Dec;80(23):7104–8
Antibodies to histones in systemic lupus erythematosus: localization of prominent autoantigens on histones H1 and H2B. Hardin JA, et al. **Proc Natl Acad Sci USA** 1983 Dec; 80(24):7410–4
Monoclonal antibody cross–reactions between Drosophila and human brain. Miller CA, et al. **Proc Natl Acad Sci USA** 1983 Dec;80(24):7641–5
Use of an animal model to evaluate hemophilia therapies. Giles AR. **Prog Clin Biol Res** 1984;150:265–76
Assay of factor VIII:C with a chromogenic substrate. Rosén S. **Scand J Haematol [Suppl]** 1984;40:139–45
The development of blood coagulation laboratory facilities in China and their use in hemophilia. Zhen–Yi W, et al. **Scand J Haematol [Suppl]** 1984;40:451–4
Analysis of antigens from different developmental stages of Angiostrongylus cantonensis. Dharmkrong–at A, et al. **Southeast Asian J Trop Med Public Health** 1983 Jun; 14(2):154–62
Factor VIII–related antigen in occluded human arteries and grafts. Potter EV, et al. **Surgery** 1984 Jun;95(6):683–8
Internal images of antigens within the immune network. Augustin AA, et al. **Surv Immunol Res** 1983;2(1):78–87 (27 ref.)
Gel filtration patterns of factor VIII coagulant antigen and factor VIII related antigen in normal and von Willebrand's disease. Chediak J, et al. **Thromb Haemost** 1983 Aug 30; 50(2):509–12
A rapid one–step immunoradiometric assay for factor VIII–procoagulant antigen utilizing monoclonal antibodies. Stel HV, et al. **Thromb Haemost** 1983 Dec 30;50(4):860–3
Dissociation of factor VIII procoagulant antigen VIII:CAg and factor VIII related antigen VIIIR:Ag by EDTA – influence of divalent cation on the binding of VIII:CAg and VIIIR:Ag. Tran TH, et al. **Thromb Haemost** 1983 Aug 30;50(2):547–51
An enzyme immunoassay (ELISA) for the quantitation of human factor VIII coagulant antigen (VIII:CAg). Dinesen B, et al. **Thromb Res** 1983 Sep 1;31(5):707–18
Measurement of factor VIII CAg by immunoradiometric assay in human tissue extracts. Exner T, et al. **Thromb Res** 1983 Nov 15;32(4):427–36
Measurement of factor VIIIRAg–1. A method for use in the Hyland laser nephelometer. Fergusson MJ, et al. **Thromb Res** 1984 May 1;34(3):175–86
Decreased factor VIII clotting antigen levels in the combined factor V and VIII deficiency. Seligsohn U, et al. **Thromb Res** 1984 Jan 1;33(1):95–8
Application of sepharose–linked monoclonal antibodies for the immunoradiometric measurement of factor VIII–procoagulant antigen. Veerman EC, et al. **Thromb Res** 1984 Jan 1;33(1):89–93
Factor VIII–related antigen in variant von Willebrand's disease [letter] Weis JW, et al. **Thromb Res** 1984 Feb 15; 33(4):457–9
Increased factor VIII related antigen in cerebral thrombosis. Zheng L. **Thromb Res** 1983 Nov 1;32(3):321–4
Immunoelectrophoretic analyses of common antigens between human and monkey sera. Iwasa M, et al. **Tohoku J Exp Med** 1984 May;143(1):117–24
A simple method to detect AB antigen in blood grouping of body fluid stains. Sagisaka K, et al. **Tohoku J Exp Med** 1983 Oct;141(2):237–9
A microtiter plate technique for the detection of platelet antibodies and platelet antigen typing. Kickler TS, et al. **Transfusion** 1984 May–Jun;24(3):247–51
Definition, genetics, and possible significance of a newly defined endothelial antigen in the rat. Paul LC, et al. **Transplantation** 1983 Nov;36(5):533–9
Tissue polypeptide antigen (TPA) and prostatic acid phosphatase in serum of prostatic cancer patients. Huber PR, et al. **Urol Res** 1983;11(5):223–6
Immunohistochemical identification of prostatic acid phosphatase and prostate specific antigen in female periurethral glands. Pollen JJ, et al. **Urology** 1984 Mar; 23(3):303–4
Localization of culture–derived soluble Babesia bovis antigens in the infected erythrocyte. Montenegro–James S, et al. **Vet Parasitol** 1983 Nov;13(4):311–6
The selection of antigens for the diagnosis, prognosis and evolutive study of parasitic diseases. Sogandares–Bernal F, et al. **Vet Parasitol** 1984 Jun;14(3–4):185–91 (18 ref.)
Malignant hemangioendothelioma of the thyroid and factor VIII–related antigen. Pfaltz M, et al. **Virchows Arch [A]** 1983;401(2):177–84
Improvement of plasma quality as raw material for factor VIII:C concentrates. Storage of whole blood and plasma and interindividual plasma levels of fibrinopeptide A. Carlebjörk G, et al. **Vox Sang** 1983;45(3):233–42
Schistosoma mansoni: detection and characterization of schistosome derived antigens by inhibition enzyme–linked immunosorbent assay (IELISA) utilizing monoclonal antibodies. Abdel–Hafez SK, et al. **Z Parasitenkd** 1984; 70(1):105–17
Presence of Schistosoma mansoni antigens in liver, spleen and kidney of infected mice: a sequential study. El–Dosoky I, et al. **Z Parasitenkd** 1984;70(4):491–7
Identification of surface and internal antigens from spontaneously released Plasmodium falciparum merozoites by radio–iodination and metabolic labelling. Heidrich HG, et al. **Z Parasitenkd** 1983;69(6):715–25
Preliminary study on the follow–up observations of the antibodies and circulating antigens in canine toxocariasis. Matsumura K, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Dec; 256(2):244–8
[Quantitative studies of the strength of ABH antigens in acute leukemia patients] Iankova–Kulova L. **Eksp Med Morfol** 1983;22(2):92–7 (Eng. Abstr.) **(Bul)**
[Studies on antigens of house dust mite. I. Column chromatography and immunological determinations of the Dermatophagoides farinae extract] Qu GY. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1983;1(1):49–52 (Eng. Abstr.) **(Chi)**
[Analysis of the soluble antigens in the peritoneal exudate of mice infected with Toxoplasma gondii] Yang XZ, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1984;2(1):36–8 (Eng. Abstr.) **(Chi)**
[Clinical significance of an assay of factor VIII related–antigen in 38 cases of myocardial infarction] Sun ZX. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1983 Jun; 11(2):95–6 (Eng. Abstr.) **(Chi)**
[Determination of factor VIII–related antigen in 107 cases with cerebrovascular diseases] Shen X. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1983 Jun; 16(3):168–9 (Eng. Abstr.) **(Chi)**
[Factor VIII:C and factor VIII:Ag in liver diseases] Procházka J, et al. **Cesk Gastroenterol Vyz** 1983 Nov; 37(6–7):364–72 (Eng. Abstr.) **(Cze)**
[Immunologic study in bone marrow transplantation. Results of the analysis of 3 cases] Májský A, et al. **Vnitr Lek** 1984 Feb;30(2):105–15 (Eng. Abstr.) **(Cze)**
[Antigenic variation of Trypanosoma brucei with reference to the serodiagnosis of sleeping sickness] Vervoort T, et al. **Verh K Acad Geneeskd Belg** 1983;45(4):329–53 (Eng. Abstr.) **(Dut)**
[Unexpected tissue antigens identified by monoclonal antibodies] Thivolet J. **Pathol Biol (Paris)** 1983 Sep; 31(7):565–7 **(Fre)**
[Development of a competitive enzyme immunoassay for factor VIII–related antigen] Riemer J, et al. **Folia Haematol (Leipz)** 1984;111(1):72–83 (Eng. Abstr.) **(Ger)**
[What contribution can radioimmunoassays make?] Panitz N. **MMW** 1983 Sep 16;125(37):799–802 (Eng. Abstr.) **(Ger)**
[Acquired hemophilia A due to factor VIIIC inhibitor: detection of circulating immune complexes containing factor VIIIC but not factor VIIIR] Pfyffer M, et al. **Schweiz Med Wochenschr** 1983 Oct 8;113(40):1456–9 (Eng. Abstr.) **(Ger)**
[Origin and significance of a thermostable granulocyte antigen] Hahn P, et al. **Z Gesamte Inn Med** 1984 Feb 15; 39(4):63–7 (Eng. Abstr.) **(Ger)**
[Stability of ristocetin cofactor and factor VIII associated antigen in relation to storage conditions] Töpfer G, et al. **Z Med Lab Diagn** 1983;24(8):463–8 (Eng. Abstr.) **(Ger)**
[Antigens of the basal membranes and its clinical relevance] Gabrielli A. **Recenti Prog Med** 1983 Dec;74(12):1429–35 **(Ita)**
[Studies on the circulating antigens in murine toxoplasmosis] Nakao M, et al. **Hokkaido Igaku Zasshi** 1984 Jan; 59(1):59–63 (Eng. Abstr.) **(Jpn)**
[Influenza B outbreak in pediatrics and HA antigen analysis by monoclonal antibody] Sugaya N, et al. **Kansenshogaku Zasshi** 1984 Mar;58(3):181–6 (Eng. Abstr.) **(Jpn)**
[Immunological characteristics and localization of insoluble antigen from bovine retina] Kitagawa K, et al. **Nippon Ganka Gakkai Zasshi** 1983;87(10):911–20 (Eng. Abstr.) **(Jpn)**
[Localization and changing process of S–antigen in the retinal pigment epithelium] Yajima S. **Nippon Ganka Gakkai Zasshi** 1984 Jan;88(1):121–32 (Eng. Abstr.) **(Jpn)**
[Antigenic structure of NCA–2 from meconium and comparison with normal fecal antigen from adult feces and carcinoembryonic antigen from malignant tissues] Kuriyama H. **Nippon Geka Gakkai Zasshi** 1983 Apr; 84(4):301–9 (Eng. Abstr.) **(Jpn)**
[Non–venereal sclerosing lymphangitis of the penis revealed as phlebitis by positive factor VIII–related antigen] Tanii T, et al. **Nippon Hifuka Gakkai Zasshi** 1983 Nov; 93(12):1347–9 **(Jpn)**
[Detection of glomerular antigens in experimental nephritis (passive Heymann nephritis, serum sickness, and Masugi nephritis)—focal glomerular desensitization and the immuno–deposition elution test] Uchida J, et al. **Nippon Jinzo Gakkai Shi** 1983 Aug;25(8):961–81 (Eng. Abstr.) **(Jpn)**
[Antigenicity of phenol water extract of human fetal colon. Confirmation of antigenicity in polysaccharide fraction] Kitamura K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Jan;81(1):22–7 (Eng. Abstr.) **(Jpn)**
[Immunochemical characterization of light smooth–surfaced membrane of the rat brain] Okuda M, et al. **No To Shinkei** 1983 Aug;35(8):829–35 (Eng. Abstr.) **(Jpn)**
[Immunochemical study of the system of soluble leukocyte antigens in patients with exacerbated chronic salpingo–oophoritis] Strizhkova NV, et al. **Akush Ginekol (Mosk)** 1984 Feb;(2):58–9 (Eng. Abstr.) **(Rus)**
[Effect of acute alcoholic intoxication on the antigenic composition of soluble proteins in the rat brain] Usatenko MS, et al. **Biull Eksp Biol Med** 1984 Apr;97(4):426–9 (Eng. Abstr.) **(Rus)**
[Immunofluorescent study of the hematopoietic cell antigens in a number of vertebrates] Khrushchov NG, et al. **Dokl Akad Nauk SSSR** 1984 Jan–Feb;274(1):193–6 **(Rus)**
[Effect of ethanol and the alpha–adrenoblockader IEM–611 on the antigenic spectrum of water–soluble brain proteins of rats] Burmistrov So, et al. **Farmakol Toksikol** 1983 Jul–Aug;46(4):76–9 (Eng. Abstr.) **(Rus)**
[Determination of the molecular mass of specific antigens of human amniotic fluid] Kalashnikov VV, et al. **Lab Delo** 1983;(11):13–6 (Eng. Abstr.) **(Rus)**
[Antigen indication using the passive hemagglutination test] Shamardin VA, et al. **Lab Delo** 1984;(3):162–5 (Eng. Abstr.) **(Rus)**
[Specificity of a dried Leishmania antigen for the immunofluorescence reaction] Saf'ianova VM, et al. **Med Parazitol (Mosk)** 1983 Nov–Dec;(6):29–33 (Eng.

Abstr.) (Rus)
[Water-soluble proteins in early amphibian embryos. III. Immunoelectrophoretic analysis of the antigenic changes in the ectoderm of the early gastrula and neural plate during development] Zakareishvili VZ, et al. **Ontogenez** 1983 Jul-Aug;14(4):367-73 (Eng. Abstr.) (Rus)
[Choice of fixatives for the immunohistochemical study of antigens using immunoadsorption] Zotin AA, et al. **Ontogenez** 1983 Jul-Aug;14(4):442-5 (Eng. Abstr.) (Rus)
[Relation between the antigenic properties of warble flies and their origin] Evstaf'ev MN. **Parazitologiia** 1984 May-Jun;18(3):199-203 (Eng. Abstr.) (Rus)
[Antigenic affinity of species of the genus Diphyllobothrium (Cestoidea, Diphyllobothriidae) distributed in the territory of Karelia] Sergeeva EG. **Parazitologiia** 1983 Jul-Aug; 17(4):261-7 (Eng. Abstr.) (Rus)
[Detection of group-specific ABO system antigens in spermatozoids by an immunofluorescence method] Stegnova TV. **Sud Med Ekspert** 1983 Jul-Sep;26(3):26-8 (Eng. Abstr.) (Rus)
[Elaboration of erythrocyte preparations for antigen and antibody detection in the indirect hemagglutination test] Konikova RE, et al. **Tr Inst Pastera** 1981;56:13-31 (23 ref.) (Rus)
[Host antigens in purified preparations of the influenza virus] Zhebrun AB, et al. **Tr Inst Pastera** 1982;59:70-81 (Rus)
[Antigenic structure of normal and malignant breast tissue] Avdeev GI, et al. **Vopr Onkol** 1983;29(11):33-7 (Eng. Abstr.) (Rus)
[Detection of meconial antigen (beta 1 MA) in definitive and tumorous intestinal tissue] Pugachev KK, et al. **Vopr Onkol** 1984;30(5):59-62 (Eng. Abstr.) (Rus)
[Comparative immunochemical and physicochemical study of the neurospecific antigen 10-40-4 from human and rat brains] Kliushnik TP, et al. **Zh Evol Biokhim Fiziol** 1984 May-Jun;20(3):257-60 (Eng. Abstr.) (Rus)
[Escherichia coli with the K1 antigen isolated in pyelonephritis in children] Golubeva IV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 May;(5):50-2 (Eng. Abstr.) (Rus)
[Antigens of human peripheral nerves] Umerov ZhG. **Zh Nevropatol Psikhiatr** 1984;84(4):494-8 (Eng. Abstr.) (Rus)

ANTAGONISTS & INHIBITORS

Development of an inhibitor specific to factor VIII: coagulant activity in a patient with platelet-type von Willebrand's disease. Castella A, et al. **Am J Clin Pathol** 1983 Nov;80(5):745-9

BIOSYNTHESIS

O-antigens, K-antigens and production of enterotoxin in Escherichia coli-strains isolated from litter mate piglets with neonatal diarrhea. Djønne BK, et al. **Acta Vet Scand** 1983;24(3):325-7
Immunohistochemical study of the expression of human milk fat globule membrane glycoprotein 70. Imam A, et al. **Cancer Res** 1984 May;44(5):2016-22
Biosynthesis of the D2 cell adhesion molecule: pulse-chase studies in cultured fetal rat neuronal cells. Lyles JM, et al. **J Cell Biol** 1984 Jun;98(6):2077-81
Cell-free synthesis of factor VIII related protein. Chan V, et al. **Thromb Haemost** 1983 Dec 30;50(4):835-7

CEREBROSPINAL FLUID

Estimation of levels of IgG to multiple sclerosis specific brain antigens in the cerebrospinal fluid of MS patients. Rastogi SC, et al. **Neurochem Res** 1983 Oct;8(10):1261-9

DIAGNOSTIC USE

Factor VIII staining of fibrous hematopoietic tumors [letter] Meister P, et al. **Hum Pathol** 1983 Oct;14(10):924

GENETICS

A new variant of dominant type II von Willebrand's disease with aberrant multimeric pattern of factor VIII-related antigen (type IID). Kinoshita S, et al. **Blood** 1984 Jun; 63(6):1369-71
Cloning of the protective antigen gene of Bacillus anthracis. Vodkin MH, et al. **Cell** 1983 Sep;34(2):693-7
Ontogenetic expression of cell adhesion molecules: L-CAM is found in epithelia derived from the three primary germ layers. Thiery JP, et al. **Dev Biol** 1984 Mar;102(1):61-78
Biosynthesis and molecular nature of the T3 antigen of human T lymphocytes. Kanellopoulos JM, et al. **EMBO J** 1983; 2(10):1807-14
Antigenic polymorphism of Trypanosoma cruzi: clonal analysis of trypomastigote surface antigens. Plata F, et al. **Eur J Immunol** 1984 May;14(5):392-9
Clone banks of cDNA from the parasite Schistosoma mansoni: isolation of clones containing a potentially immunodiagnostic antigen gene. Cordingley JS, et al. **Gene** 1983 Dec;26(1):25-39
Time course study of H-2 and other antigen expression by hybrids of a myeloma cell line with inflammatory macrophages. Higuchi Y, et al. **Immunogenetics** 1984; 20(2):95-102
Mapping of the genes for tubular basement membrane antigen and a submaxillary gland protease in the rat. Matsumoto K, et al. **Immunogenetics** 1984;20(2):117-23
A strong association between the antinuclear antibody anti-La (SS-B) and the kappa chain allotype Km(1). Whittingham S, et al. **Immunogenetics** 1984;19(4):295-9
Comparison of antigens in the rat MHC that act as CML determinants. Liebert M, et al. **Int Arch Allergy Appl Immunol** 1983;72(3):279-83
Association between the 7 S RNA and the lupus La protein varies among cell types. Chambers JC, et al. **J Biol Chem** 1983 Oct 10;258(19):11438-41
Genetic control of the immune response to myoglobin. XVI. Control of antibodies with preselected specificities following immunization with free synthetic peptides representing the antigenic sites or surface non-immunogenic locations in the protein. Young CR, et al. **J Immunogenet** 1983 Dec;10(6):453-64
Analysis of mRNA coding for blood-stage antigens of a rodent malarial parasite, Plasmodium yoelii: mRNA coding for a possible protective antigen purify as poly A-. Vaidya AB, et al. **J Immunol** 1984 Jun;132(6):3126-30
Nucleotide sequence and host La protein interactions of rabies virus leader RNA. Kurilla MG, et al. **J Virol** 1984 Jun;50(3):773-8
Cloning of cDNAS that code for Plasmodium chabaudi antigens of the erythrocytic forms and cross-hybridize with P. falciparum. Franco Da Silveira J, et al. **Mol Biochem Parasitol** 1984 Apr;11:133-43
Instability of the Trypanosoma brucei rhodesiense metacyclic variable antigen repertoire. Barry JD, et al. **Nature** 1983 Dec 15-21;306(5944):699-701
Intrathymic presentation of circulating non-major histocompatibility complex antigens. Kyewski BA, et al. **Nature** 1984 Mar 8-14;308(5955):196-9
Alteration of neural cell adhesion molecule (N-CAM) expression after neuronal cell transformation by Rous sarcoma virus. Greenberg ME, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(3):969-73
Differential antibody screening of cloned Plasmodium falciparum sequences expressed in Escherichia coli: procedure for isolation of defined antigens and analysis of human antisera. Stahl HD, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(8):2456-60
Investigation including VIIIR: AG multimeric analysis of a large kindred with type IIA von Willebrand's disease showing a dominant inheritance and similar gene expression in four generations. Hill FG, et al. **Thromb Haemost** 1983 Oct 31;50(3):735-9
[Characterization of the AnTAR 2 antigen of Trypanosoma brucei brucei] Bajyana Songa E, et al. **Ann Soc Belg Med Trop** 1984 Mar;64(1):13-20 (Eng. Abstr.) (Fre)
[Suppression of IgE antibody production provoked by intravenous injection of antigen-pulsed heterogenetic spleen cells--a study on genetic regulation in induction of immediate tolerance and suppressor cells] Yagi S. **Arerugi** 1983 Apr;32(4):199-208 (Eng. Abstr.) (Jpn)
[Mapping of the genetic determinant controlling Salmonella K-antigen synthesis. I. Localization of the determinant in conjugation experiments] Tarutina ZE, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Dec;(12):27-30 (Eng. Abstr.) (Rus)

IMMUNOLOGY

Serological diagnosis of toxocariasis: the use of larval antigens in the ELISA. Polderman AM, et al. **Acta Leiden** 1980 Dec;48:37-42
Pustulosis palmaris et plantaris. With reference to the cross-reactivity between tonsillar epithelium antigen and skin antigen. Enomoto T, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1983;401:36-42
Antigenic similarities both inside and outside the carbohydrate-binding sites of two-chain and one-chain leguminous lectins. Michaelsen TE, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1984 Feb; 92(1):25-35
Relevance of autoantigens to autoimmunity in African trypanosomiasis: study of DNA and thyroglobulin antibodies. Daniel-Ribeiro C, et al. **Acta Trop (Basel)** 1983 Dec;40(4):321-9
Different suitability of 3 filarial antigens (Litomosoides carinii, Dipetalonema viteae, Dirofilaria immitis) to act as allergens in the Passive Cutaneous Anaphylaxis Test and to serve as antigens in an ELISA in the course of experimental filarial infections (L. carinii, D. viteae, Brugia malayi, B. pahangi) of Mastomys natalensis. Zahner H, et al. **Acta Trop (Basel)** 1984 Mar;41(1):51-60
Antigens of the human glomerulus. Michael AF, et al. **Adv Nephrol** 1984;13:203-18 (39 ref.)
Histamine release from the cultured mouse mast cell line PT18 in response to immunologic and non-immunologic stimuli. Barrett KE, et al. **Agents Actions** 1984 Apr; 14(3-4):488-93
Local histamine release after immunological and non-immunological mast cell degranulation in vivo. Ind PW, et al. **Agents Actions** 1984 Apr;14(3-4):417-9
Low level antigen responses in guinea-pig lung strip. Steward A, et al. **Agents Actions** 1984 Apr;14(3-4):475-7
Antigen-induced histamine-release in diagnosis of allergy. Baenkler HW, et al. **Allerg Immunol (Leipz)** 1983; 29(4):209-11
Antigen processing and presentation by macrophages. Allen PM, et al. **Am J Anat** 1984 Jul;170(3):483-90
Contribution of thymus lymphocytes to the peripheral lymphoid tissues and the effect of antigen on the rate of cell exit from the thymus. Scollay R, et al. **Am J Anat** 1984 Jul;170(3):331-8
Tissue localization and retention of antigen in relation to the immune response. Tew JG, et al. **Am J Anat** 1984 Jul; 170(3):407-20
Rheumatic fever and the streptococcus. Another look at molecular mimicry. Williams RC Jr. **Am J Med** 1983 Nov; 75(5):727-30
Systemic cell-mediated reactions in vivo. Effect of the interaction of circulating antigen with sensitized lymphocytes on glomeruli and pulmonary alveoli. Bhan AK, et al. **Am J Pathol** 1984 Jul;116(1):77-84
Expression of a T-cell antigen (Leu-1) by B-cell lymphomas. Burns BF, et al. **Am J Pathol** 1983 Nov;113(2):165-71
Coxsackievirus B-3 myocarditis in Balb/c mice. Evidence for autoimmunity to myocyte antigens. Huber SA, et al. **Am J Pathol** 1984 Jul;116(1):21-9
Immunological response of guinea pigs sensitized with homologous antigens. Alonso A, et al. **Am J Reprod Immunol** 1984 Jul-Aug;6(1):14-8
Use of antigen preparations of the amastigote stage of Trypanosoma cruzi in the serology of Chagas' disease. Araujo FG, et al. **Am J Trop Med Hyg** 1984 May; 33(3):362-71
Species- and stage-specific antigens in exoerythrocytic stages of Plasmodium falciparum. Druilhe P, et al. **Am J Trop Med Hyg** 1984 May;33(3):336-41
Different monoclonal antibodies against the component 5 specific for Trypanosoma cruzi. Orozco O, et al. **Am J Trop Med Hyg** 1984 Jul;33(4):560-8
Evaluation of promastigote and amastigote antigens in the indirect fluorescent antibody test for American cutaneous leishmaniasis. Pappas MG, et al. **Am J Trop Med Hyg** 1983 Nov;32(6):1260-7
Monoclonal antibody-purified antigen for the immunodiagnosis of trichinosis. Gamble HR, et al. **Am J Vet Res** 1984 Jan;45(1):67-74
Characterization of a late phase pulmonary response after antigen challenge in allergic sheep. Abraham WM, et al. **Am Rev Respir Dis** 1983 Nov;128(5):839-44
A guinea pig model to study effects of persistent intrabronchial antigenic stimulation and inflammation. Wallace JM, et al. **Am Rev Respir Dis** 1983 Dec; 128(6):1077-83
The development of specific antibody-containing cells in the spleen of rabbits during the secondary immune response against free or liposome-associated albumin antigen. van Rooijen N, et al. **Anat Rec** 1984 Apr;208(4):579-87
Immunization with spermatozoal peptide antigens resulting in immuno-suppression of fertility rates in female rats. Mettler L, et al. **Andrologia** 1983 Nov-Dec;15(6):670-5
Antigen recognition in Chinese and Caucasians. Kaufman HS, et al. **Ann Allergy** 1984 Aug;53(2):135-7
The interaction between class II MHC molecules and antigens as a basis for Ir gene specificity. Benacerraf B, et al. **Ann Immunol (Paris)** 1984 May-Jun;135C(3):386-9
Studies of the arsonate system using monoclonal antibodies. Hiernaux J, et al. **Ann NY Acad Sci** 1983;418:9-15
Induction of anti-arsonate CRI positive antibodies in BALB/c mice. Leo O, et al. **Ann NY Acad Sci** 1983; 418:257-64
Leishmaniasis in Tuscany (Italy): VIII. Human population response to leishmanin in the focus of Monte Argentario (Grosseto) and epidemiological evaluation. Bettini S, et al. **Ann Parasitol Hum Comp** 1983;58(6):539-47
Antibodies to cellular antigens in Greek patients with autoimmune rheumatic diseases: anti-Ro(SSA) antibody a possible marker of penicillamine-D intolerance. Moutsopoulos HM, et al. **Ann Rheum Dis** 1984 Apr; 43(2):285-7
Non identity of non ionic detergent soluble (NIDS) protein and stratum corneum autoantigens. Dykes PJ, et al. **Arch Dermatol Res** 1983;275(4):239-41
Differential effects of adenosine on histamine secretion induced by antigen and chemical stimuli. Nishibori M, et al. **Arch Int Pharmacodyn Ther** 1983 Sep;265(1):17-28
Surgical complications and skin test reactivity in patients with inflammatory bowel disease. Heimann TM, et al. **Arch Surg** 1984 Aug;119(8):885-7
NuMA protein is a human autoantigen. Price CM, et al. **Arthritis Rheum** 1984 Jul;27(7):774-9
Total profiling by GC/NICIMS of the major cyclo-oxygenase products from antigen and leukotriene-challenged guinea-pig lung. Robinson C, et al. **Biochem Pharmacol** 1984 Feb 1;33(3):395-400
Immunologic response to protein immobilized on the surface of liposomes via covalent azo-bonding. Snyder SL, et al. **Biochim Biophys Acta** 1984 May 30;772(3):288-94
Monoclonal antibodies to rabbit sperm autoantigens. II. Inhibition of human sperm penetration of zona-free hamster eggs. O'Rand MG, et al. **Biol Reprod** 1984 Apr;30(3):731-6
Monoclonal antibodies to rabbit sperm autoantigens. I. Inhibition of in vitro fertilization and localization on the egg. O'Rand MG, et al. **Biol Reprod** 1984 Apr;30(3):721-9
A Hodgkin cell-specific antigen is expressed on a subset of auto- and alloactivated T (helper) lymphoblasts. Andreesen R, et al. **Blood** 1984 Jun;63(6):1299-302
The idiotypic characteristics of human antibodies to factor VIII. de la Fuente B, et al. **Blood** 1984 Sep;64(3):672-8
Development of factor VIII:C antibodies in dogs with hemophilia A (factor VIII:C deficiency). Giles AR, et al.

Blood 1984 Feb;63(2):451–6

In vitro studies of epidermal antigen-presenting cells. The mixed skin lymphocyte reaction: an in vitro model for the generation of alloreactive cytotoxic T cells by human epidermal cells. Faure M, et al. **Br J Dermatol** 1984 Jul; 111 Suppl 27:11–7

A new glomerular antigen in passive Heymann's nephritis. Jeraj K, et al. **Br J Exp Pathol** 1984 Aug;65(4):485–98

Fractionation of human antibody to factor VIII:C: and IRMA for phospholipid binding sites on factor VIII C:Ag. Kemball-Cook G, et al. **Br J Haematol** 1984 Aug; 57(4):633–6

Chloroquine stripping of HLA antigens from neutrophils without removal of neutrophil specific antigens. Minchinton RM, et al. **Br J Haematol** 1984 Aug;57(4):703–6

Longitudinal study of serum antibody responses to bovine retinal S-antigen in endogenous granulomatous uveitis. Abrahams IW, et al. **Br J Ophthalmol** 1983 Oct; 67(10):681–4

Monoclonal antibodies to neural antigens. Brockes J. **Br Med Bull** 1984 Jul;40(3):229–32 (34 ref.)

A specific IgG in Graves' ophthalmopathy and its relation to retro-orbital and thyroid autoimmunity. Kendall-Taylor P, et al. **Br Med J [Clin Res]** 1984 Apr 21;288(6425):1183–6

The role of the thymus in the induction of murine T-lymphocytes bearing membrane antigen common to human thymocytes. An immunohistochemical study. Naito K. **Bull Osaka Med Sch** 1983 Jul;29(1):1–11

Production of antibody for alpha 1-acid glycoprotein using carcinoembryonic antigen and normal fecal antigen. Ochi Y, et al. **Cancer Lett** 1983 Sep;20(2):173–82

Binding of antigen in the absence of histocompatibility proteins by arsonate-reactive T-cell clones. Rao A, et al. **Cell** 1984 Apr;36(4):879–88

Analogs that compete for antigen binding to an arsonate-reactive T-cell clone inhibit the functional response to arsonate. Rao A, et al. **Cell** 1984 Apr; 36(4):889–95

Antigen-presenting cells in the proliferative T lymphocyte response in vitro: different mechanisms of antigen handling. Teunissen MB, et al. **Cell Biol Int Rep** 1984 Mar;8(3):184

Connective tissue antigens stimulate collagenase production in arthritic diseases. Golds EE, et al. **Cell Immunol** 1984 Jun;86(1):190–205

Lymphocyte transformation to connective tissue antigens in adult and juvenile rheumatoid arthritis, osteoarthritis, ankylosing spondylitis, systemic lupus erythematosus, and a nonarthritic control population. Golds EE, et al. **Cell Immunol** 1983 Nov;82(1):196–209

T-cell responses induced by the parenteral injection of antigen-modified syngeneic cells. III. Dissociation of primed cytolytic T-cell and efferent suppressor-T-cell activity following intravenous injection of trinitrophenol-modified syngeneic spleen cells. Miller SD, et al. **Cell Immunol** 1984 Jul;86(2):308–16

Antigen presentation in the rat: role of a nonadherent, nonphagocytic, W3/13, OX-6 positive T cell in the presentation of antigen to primed T lymphocytes. Sopori ML, et al. **Cell Immunol** 1984 Aug;87(1):177–91

Inhibition of lymphocyte proliferation by monoclonal antibody directed against the T3 antigen on human T cells. Van Wauwe JP, et al. **Cell Immunol** 1984 Jul;86(2):525–34

Interleukin 1 can replace monocytes for the specific human B-cell response to a particulate antigen. Vazquez A, et al. **Cell Immunol** 1984 Jul;86(2):287–98

Precipitins to inhaled avian antigens: results of an inter-laboratory study. Bergmann KC, et al. **Clin Allergy** 1983 Sep;13(5):451–7

Defective LN cell proliferative response to Sm antigen in mice bearing the lpr gene. Dang H, et al. **Clin Exp Immunol** 1984 May;56(2):361–70

Modulation of human B cell responses by a monoclonal antibody to an activation antigen 4F2. Gerrard TL, et al. **Clin Exp Immunol** 1984 Jul;57(1):155–62

Cultured human endothelial cells display an antigen that is recognized by certain human anti-chromatin autoantibodies. Horneland M, et al. **Clin Exp Immunol** 1983 Nov;54(2):373–7

Excretory-secretory and somatic antigens in the diagnosis of human filariasis. Kaushal NA, et al. **Clin Exp Immunol** 1984 Jun;56(3):567–76

IgG-induced experimental immune synovitis: hormonal modulation of in vitro splenic immune responses to homologous antigens. Kresina TF, et al. **Clin Exp Immunol** 1984 Jul;57(1):63–72

Flare-up of antigen-induced arthritis in mice after challenge with intravenous antigen: effects of pre-treatment with cobra venom factor and anti-lymphocyte serum. Lens JW, et al. **Clin Exp Immunol** 1984 Sep;57(3):520–8

Flare-up of antigen-induced arthritis in mice after challenge with intravenous antigen: studies on the characteristics of and mechanisms involved in the reaction. Lens JW, et al. **Clin Exp Immunol** 1984 Feb;55(2):287–94

Adoptive transfer of delayed type hypersensitivity reactions specific for Leishmania major antigens to normal mice using murine T cell populations and clones generated in vitro. Lima GC, et al. **Clin Exp Immunol** 1984 Jul; 57(1):130–8

Induction of non-specific human suppressor cells in vitro by defined Onchocerca volvulus antigens. Ouaissi MA, et al. **Clin Exp Immunol** 1983 Sep;53(3):634–44

Immunization against Plasmodium falciparum asexual blood stages using soluble antigens. Perrin LH, et al. **Clin Exp Immunol** 1984 Apr;56(1):67–72

Characterization and idiotypic analysis of an anti-RNP monoclonal antibody. Pisetsky DS, et al. **Clin Exp Immunol** 1984 Jun;56(3):593–600

Antigen presenting cells in situ: their identification and involvement in immunopathology. Poulter LW. **Clin Exp Immunol** 1983 Sep;53(3):513–20 (69 ref.)

Production of a monoclonal antibody to autoantigenic components of human glomerular basement membrane. Pressey A, et al. **Clin Exp Immunol** 1983 Oct;54(1):178–84

Asialoagalactothyroglobulin binds to the surface of human thyroid cells at a site distinct from the 'microsomal' autoantigen. Roitt IM, et al. **Clin Exp Immunol** 1984 Apr; 56(1):129–34

The relationship of HNK-1 (Leu 7) and VEP13 antigens on human cells mediating natural killing. Rumpold H, et al. **Clin Exp Immunol** 1984 Sep;57(3):703–9

Precipitating antibodies to nuclear antigens in systemic vasculitis. Scott DG, et al. **Clin Exp Immunol** 1984 Jun; 56(3):601–6

Immune response patterns in coeliac disease. Serum antibodies to dietary antigens measured by an enzyme linked immunosorbent assay (ELISA). Scott H, et al. **Clin Exp Immunol** 1984 Jul;57(1):25–32

Antibodies to gliadin, gluten and reticulin glycoprotein in rheumatic diseases: elevated levels in Sjögren's syndrome. Teppo AM, et al. **Clin Exp Immunol** 1984 Jul;57(1):73–8

Dual modes of action for disodium cromoglycate in inhibition of antigen-induced contractions of guinea-pig isolated airways smooth muscle. Stewart AG, et al. **Clin Exp Pharmacol Physiol** 1983 Sep-Oct;10(5):595–603

Molecular signals in antigen presentation. I. Effects of interleukin 1 and 2 on radiation-treated antigen-presenting cells in vivo and in vitro. Tominaga A, et al. **Clin Immunol Immunopathol** 1983 Nov;29(2):282–93

Interactions of food antigens, antibodies, and antigen-antibody complexes in health and disease. Paganelli R, et al. **Clin Rev Allergy** 1984 Feb;2(1):69–78 (55 ref.)

Production and specificity of monoclonal antibodies to retinal S antigen. Faure JP, et al. **Curr Eye Res** 1984 Jun; 3(6):867–72

Long-term antigen specific and non-specific T-cell lines and clones in uveitis. Nussenblatt RB, et al. **Curr Eye Res** 1984 Feb;3(2):299–305

A testis antigen related to the brain D2 adhesion protein. Jørgensen OS, et al. **Dev Biol** 1983 Dec;100(2):275–86

Characterization by human autoantibody of a nuclear antigen related to the cell cycle. Barque JP, et al. **EMBO J** 1983; 2(5):743–9

Rat IgE directed against schistosomula-released products is cytotoxic for Schistosoma mansoni schistosomula in vitro. Auriault C, et al. **Eur J Immunol** 1984 Feb;14(2):132–8

Selection and continuous growth of antigen-specific human T cells by antigen-treated monocytes. Barak V, et al. **Eur J Immunol** 1983 Nov;13(11):952–6

Induction of memory and effector suppressor T cells by perinatal exposure to antigen. Fazekas de St. Groth B, et al. **Eur J Immunol** 1984 Mar;14(3):228–35

The interaction of high endothelial venules with T and B cells in peripheral lymph nodes after antigenic stimulation. Kraal G, et al. **Eur J Immunol** 1984 Jun;14(6):586–8

The effect of antigen on the development of Peyer's patches in sheep. Reynolds JD, et al. **Eur J Immunol** 1984 Jan; 14(1):1–6

Schistosoma mansoni, S. haematobium, and S. japonicum: identification of genus-, species-, and gender-specific antigenic worm glycoproteins. Norden AP, et al. **Exp Parasitol** 1984 Feb;57(1):110–23

Parallel sets and the internal image of antigen within the idiotypic network. Bona CA. **Fed Proc** 1984 Jul; 43(10):2558–62

A new look at antifertility vaccines. Anderson DJ, et al. **Fertil Steril** 1983 Nov;40(5):557–71

Monoclonal antibodies to rabbit sperm autoantigens. Lee CY, et al. **Fertil Steril** 1984 Jan;41(1):131–8

Prolongation of skin allograft survival in ATS-treated mice by post-transplant injections of species antigenic extracts. Chutná J, et al. **Folia Biol (Praha)** 1984;30(2):109–22

An IFAT cercarial slide antigen preparation for schistosomiasis. Azab ME, et al. **Folia Parasitol (Praha)** 1984;31(1):93–6

Demonstration of organ-nonspecific antigens in liver-specific protein. Riisom K, et al. **Gastroenterology** 1983 Dec; 85(6):1271–6

Proliferative response of human lymphocytes to antigens not experienced in vivo. Hensen EJ, et al. **Hum Immunol** 1984 Jun;10(2):95–111

Generation of antigen-responsive B-cell line by somatic cell hybridization. Anderson SJ, et al. **Hybridoma** 1983; 2(2):211–8

Distribution of monoclonal antibody-defined monosialoganglioside in normal and cancerous human tissues: an immunoperoxidase study. Arends JW, et al. **Hybridoma** 1983;2(2):219–29

Target antigen of monoclonal reagent S5.7: comparison with T3 antigen. Borst J, et al. **Hybridoma** 1983;2(3):. 5–74

Simple immunization protocol for high frequency production of soluble antigen-specific hybridomas. Cianfriglia M, et al. **Hybridoma** 1983;2(4):451–7

Monoclonal antibody (F5) to human prostate antigen. Papsidero LD, et al. **Hybridoma** 1983;2(2):139–47

Cloned T cells recognize Trichinella spiralis antigen in association with an Ek beta Ek alpha restriction element. Krco CJ, et al. **Immunogenetics** 1983;18(5):435–44

Separation and isolation of lymphocyte subpopulations of different affinity for the antigen. Carvajal RE, et al. **Immunol Lett** 1984;8(2):101–6

Control of T-cell-dependent antibody responses of mice to rat antigens by donor cell types. Isobe K, et al. **Immunol Lett** 1983;7(1):47–50

From an antigen-centered, clonal perspective of immune responses to an organism-centered, network perspective of autonomous activity in a self-referential immune system. Coutinho A, et al. **Immunol Rev** 1984 Jun;79:151–68 (51 ref.)

Differing effects of monoclonal anti-hapten antibodies on humoral responses to soluble or particulate antigens. Enriquez-Rincon F, et al. **Immunology** 1984 May; 52(1):129–36

Immunoregulation in experimental filariasis. IV. Induction of non-specific suppression following in vitro exposure of spleen cells from infected jirds to Brugia pahangi antigen. Lammie PJ, et al. **Immunology** 1984 Jun;52(2):221–9

Anamnestic responses induced by antigen persisting on follicular dendritic cells from cyclophosphamide-treated mice. Phipps RP, et al. **Immunology** 1984 Feb;51(2):387–97

Anti-trypanosome specific immune responses in bovids of differing susceptibility to African trypanosomiasis. Pinder M, et al. **Immunology** 1984 Feb;51(2):247–58

Study of autoimmune response to rat male accessory glands in rats born to immune mothers. Pistoresi-Palencia MC, et al. **Immunology** 1984 Sep;53(1):141–5

Analysis of the mechanism of immunodepression following heterologous antigenic stimulation during concurrent infection with Nematospiroides dubius. Pritchard DI, et al. **Immunology** 1984 Apr;51(4):633–42

Production and characterization of monoclonal antibodies against rat brush border antigens of the proximal convoluted tubule. Ronco P, et al. **Immunology** 1984 Sep; 53(1):87–95

Monoclonal antibodies to rat renal antigens. Shimizu F, et al. **Immunology** 1984 Jun;52(2):319–23

Gastrointestinal uptake and blood clearance of antigen in the presence of IgA antibodies. Skogh T, et al. **Immunology** 1983 Oct;50(2):175–80

Hapten-specific B cell blockade of the immune response to a thymus-independent-1 antigen produced by concomitant administration of a thymus-independent-2 antigen. Snippe H, et al. **Immunology** 1984 May;52(1):87–96

Seminal plasma inhibits lymphocyte response to T-dependent and -independent antigens in vitro. Thomas IK, et al. **Immunology** 1984 Aug;52(4):721–6

The effect of maternal antigenic stimulation upon the active immune responsiveness of their offspring. Yamaguchi N, et al. **Immunology** 1983 Oct;50(2):229–38

Effects of subchronic exposure to diethylstilbestrol on humoral immune function in adult female (C3B6)F1 mice. Bick PH, et al. **Immunopharmacology** 1984 Feb;7(1):27–39

Alterations in lymphocyte recognition repertoire during ageing. I. Analysis of changes in immune response potential of B lymphocytes from non-immunized aged mice, and the role of accessory cells in the expression of that potential. Gorczynski RM, et al. **Immunopharmacology** 1984 Jun; 7(3–4):179–94

Augmentation of in vitro antibody response by disulfide compounds. II. T cell-mediated augmentation by oxidized dithiothreitol, an intramolecular disulfide. Ohmori H, et al. **Immunopharmacology** 1984 Jun;7(3–4):159–65

Immunofluorescence studies with Wuchereria bancrofti microfilariae ES antigen. Kharat I, et al. **Indian J Med Res** 1983 Oct;78:497–502

In vitro culture as a source of Plasmodium falciparum antigen in micro-ELISA in malaria. Ray K, et al. **Indian J Med Res** 1983 Aug;78:205–9

Study of A, B and H antigens in female genital tract malignancy. Bhojwani N, et al. **Indian J Pathol Microbiol** 1983 Oct;26(4):225–8

Immunoenzymatic detection of three kinds of 43,000-molecular-weight antigens by monoclonal antibodies in the insoluble fraction of Toxoplasma gondii. Ogata K, et al. **Infect Immun** 1984 Mar;43(3):1047–53

Migration of blood-borne lymphocytes into antigen-stimulated lymph nodes. A study of the kinetics of lymphocyte recruitment throughout an immune response. Kimpton WG, et al. **Int Arch Allergy Appl Immunol** 1984;74(1):40–4

Studies on the antigenic composition of aqueous cotton dust extracts. O'Neil CE, et al. **Int Arch Allergy Appl Immunol** 1983;72(4):294–8

Mixed passive hemagglutination with soluble platelet antigens. Shibata Y, et al. **Int Arch Allergy Appl Immunol** 1984;74(1):93–6

Kinetics of the effect of a single dose of cyclosporin-A on antibody and cell mediated immune responses in the guinea pig. Parker D, et al. **Int J Immunopharmacol** 1984; 6(1):67–74

Immunization against Taenia taeniaeformis in mice: studies on the characterization of antigens from oncospheres. Lightowlers MW, et al. **Int J Parasitol** 1984 Jun; 14(3):321–33

Granulomatous hypersensitivity and antibody production in response to antigens of Capillaria hepatica eggs. Raybourne R, et al. **Int J Parasitol** 1984 Aug;14(4):371–5

Cyclosporine-induced alterations of humoral response in experimental autoimmune uveitis. Chan CC, et al. **Invest Ophthalmol Vis Sci** 1984 Jul;25(7):867–70

Antigen-induced eustachian tube obstruction: an intranasal provocative challenge test. Ackerman MN, et al. **J Allergy Clin Immunol** 1984 May;73(5 Pt 1):604–9

Cross antigenic and allergenic properties of the house dust mite Dermatophagoides farinae and the storage mite Tyrophagus putrescentiae. Arlian LG, et al. **J Allergy Clin Immunol** 1984 Aug;74(2):172–9

Antigenic and allergenic properties of the storage mite Tyrophagus putrescentiae. Arlian LG, et al. **J Allergy Clin Immunol** 1984 Aug;74(2):166–71

A comparison of late reactions to antigen and exercise. Bierman CW. **J Allergy Clin Immunol** 1984 May;73(5 Pt 2):654–9

Hypersensitivity pneumonitis. Fink JN. **J Allergy Clin Immunol** 1984 Jul;74(1):1–10

Cat allergen 1: Biochemical, antigenic, and allergenic properties. Leitermann K, et al. **J Allergy Clin Immunol** 1984 Aug;74(2):147–53

Histamine and leukotrienes mediate pulmonary hypersensitivity to antigen in guinea pigs. Lamm WJ, et al. **J Appl Physiol** 1984 Apr;56(4):1032–8

Antigen stimulates glycoprotein secretion and alters ion fluxes in sheep trachea. Phipps RJ, et al. **J Appl Physiol** 1983 Nov;55(5):1593–602

Receptor-specific mediation by immunoglobulin E of antigen-induced contraction of tracheal and lung parenchymal strips isolated from the guinea pig. Graziano FM, et al. **J Clin Invest** 1984 Apr;73(4):1215–22

Precipitation of the thyrotropin receptor and identification of thyroid autoantigens using Graves' disease immunoglobulins. Heyma P, et al. **J Clin Invest** 1984 Sep; 74(3):1090–7

Molecular properties of the Ro/SSA antigen and enzyme-linked immunosorbent assay for quantitation of antibody. Yamagata H, et al. **J Clin Invest** 1984 Aug; 74(2):625–33

Role of myelin antigens in murine relapsing experimental allergic encephalomyelitis. Lublin FD. **J Clin Lab Immunol** 1984 Apr;13(4):179–82

Evaluation of various plastic microtiter plates with measles, toxoplasma, and gamma globulin antigens in enzyme-linked immunosorbent assays. Shekarchi IC, et al. **J Clin Microbiol** 1984 Feb;19(2):89–96

Herpes simplex virus type-selective enzyme-linked immunosorbent assay with Helix pomatia lectin-purified antigens. Svennerholm B, et al. **J Clin Microbiol** 1984 Feb; 19(2):235–9

A case of subacute cutaneous lupus erythematosus with a high titer of RNP antibody. Kobayashi Y, et al. **J Dermatol (Tokyo)** 1983 Dec;10(6):539–43

Antigen presentation by resting B cells. Radiosensitivity of the antigen-presentation function and two distinct pathways of T cell activation. Ashwell JD, et al. **J Exp Med** 1984 Mar 1;159(3):881–905

Selective modification of a private I-A allo-stimulating determinant(s) upon association of antigen with an antigen-presenting cell. Rock KL, et al. **J Exp Med** 1984 Apr 1;159(4):1238–52

Multiple autoantigen binding capabilities of mouse monoclonal antibodies selected for rheumatoid factor activity. Rubin RL, et al. **J Exp Med** 1984 May 1; 159(5):1429–40

Mouse spleen dendritic cells present soluble antigens to antigen-specific T cell hybridomas. Sunshine GH, et al. **J Exp Med** 1983 Nov 1;158(5):1745–50

Antigen recognition by a T cell clone outside the context of the major histocompatibility complex. A role for Mls in antigen presentation. Waters SJ, et al. **J Exp Med** 1984 Jan 1;159(1):305–12

The role of the O and K antigens in determining the resistance of Klebsiella aerogenes to serum killing and phagocytosis. Williams P, et al. **J Gen Microbiol** 1983 Jul; 129 (Pt 7):2181–91

The use of lyophilized Schistosoma mansoni eggs as antigenic particles in a radioimmunoassay. Hamburger J, et al. **J Helminthol** 1983 Dec;57(4):305–12

Induction of peripheral blood eosinophilia in mice by excretory and secretory antigen of Toxocara canis larvae. Sugane K, et al. **J Helminthol** 1984 Jun;58(2):143–7

Double immunocytochemical staining in the study of antibody-producing cells in vivo. Simultaneous detection of cells producing monospecific antibodies and cells producing cross-reacting antibodies in the spleen of rabbits after injection of two related antigens. Van Rooijen N, et al. **J Histochem Cytochem** 1984 Aug;32(8):844–8

Antigen binding to lymphoid cells of unimmunized mice. V. Use of pure in vitro colony-derived cell populations in studies of the identification and clonal distribution of multiple antigen-binding cells. DeLuca D. **J Immunogenet** 1984 Feb;11(1):45–62

Antigen binding to lymphoid cells from unimmunized mice. VII. Restriction of antigen-binding capacity by maturing B lymphocytes. DeLuca D. **J Immunogenet** 1984 Feb; 11(1):79–96

Antigen binding to lymphoid cells from unimmunized mice. VI. Specificity of purified multiple antigen-binding cells. DeLuca D. **J Immunogenet** 1984 Feb;11(1):63–78

Differential requirements for antigen processing by macrophages for lysozyme-specific T cell hybridomas. Allen PM, et al. **J Immunol** 1984 Mar;132(3):1077–9

Antigens of Dirofilaria immitis which are immunogenic in the canine host: detection by immuno-staining of protein blots with the antibodies of occult dogs. Boto WM, et al. **J Immunol** 1984 Aug;133(2):975–80

Neoantigens appear in human IgG upon antigen binding: detection by antibodies that react specifically with antigen-bound IgG. Brown EJ, et al. **J Immunol** 1984 Mar; 132(3):1346–52

Stage-specific and common antigens of Brugia malayi identified with monoclonal antibodies. Canlas MM, et al. **J Immunol** 1984 Jun;132(6):3138–41

Murine hybridomas secreting natural monoclonal antibodies reacting with self antigens. Dighiero G, et al. **J Immunol** 1983 Nov;131(5):2267–72

Schistosome egg antigen(s) presentation and regulatory activity by macrophages isolated from vigorous or immunomodulated liver granulomas of Schistosoma mansoni-infected mice. Elliott DE, et al. **J Immunol** 1984 Mar;132(3):1506–10

Modulation of human rheumatoid factor-specific lymphocyte responses with a cross-reactive anti-idiotype bearing the internal image of antigen. Fong S, et al. **J Immunol** 1984 Mar;132(3):1183–9

Antibodies from patients with autoimmune disease react with a cytoplasmic antigen in the Golgi apparatus. Fritzler MJ, et al. **J Immunol** 1984 Jun;132(6):2904–8

Molecular signals in antigen presentation. II. Activation of cytolytic cells in vitro after ultraviolet radiation or combined gamma and ultraviolet radiation treatment of antigen-presenting cells. Granstein RD, et al. **J Immunol** 1984 May;132(5):2210–7

Immune function in severe, active rheumatoid arthritis: a relationship between peripheral blood mononuclear cell proliferation to soluble antigens and mononuclear cell subset profiles. Haraoui B, et al. **J Immunol** 1984 Aug; 133(2):697–701

Sensitized (T6 X RFM)F1 donor B cells are engrafted and synthesize antibodies without further antigenic stimulation in RFM recipients with allogenic host-vs-graft disease. Hard RC Jr, et al. **J Immunol** 1983 Dec;131(6):2623–9

Antigen presentation by the BCL1 murine B cell line: in vitro stimulation by LPS. Harris MR, et al. **J Immunol** 1984 Sep; 133(3):1202–8

Manipulation of anti-LDH-B response by T suppressor factors. Ikezawa Z, et al. **J Immunol** 1984 Apr; 132(4):1605–7

Responsiveness of autoimmune and normal mice to nucleic acid antigens. Madaio MP, et al. **J Immunol** 1984 Feb; 132(2):872–6

Antigen-initiated release of platelet-activating factor (PAF-acether) from mouse bone marrow-derived mast cells sensitized with monoclonal IgE. Mencia-Huerta JM, et al. **J Immunol** 1983 Dec;131(6):2958–64

Selective inhibition of anti-nucleoside-specific antibody production by nucleoside-ricin A conjugate. Morimoto C, et al. **J Immunol** 1983 Oct;131(4):1762–4

Reversible defect in antigen-induced lymphokine and gamma-interferon generation in cutaneous leishmaniasis. Murray HW, et al. **J Immunol** 1984 Oct;133(4):2250–4

Idiotypic analysis of a monoclonal anti-Sm antibody. II. Strain distribution of a common idiotypic determinant and its relationship to anti-Sm expression. Pisetsky DS, et al. **J Immunol** 1984 Oct;133(4):2085–9

Antigen recognition by H-2-restricted T cells. II. A tryptic ovalbumin peptide that substitutes for processed antigen. Shimonkevitz R, et al. **J Immunol** 1984 Oct;133(4):2067–74

The use of specific helper T cell clones to study the regulation of isotype expression by antigen-stimulated B cell clones. Teale JM. **J Immunol** 1983 Nov;131(5):2170–7

Distinct role of neonatal and adult monocytes in the regulation of the in vitro antigen-induced plaque-forming cell response in man. van Tol MJ, et al. **J Immunol** 1984 Oct;133(4):1902–8

Antigen-reactive cloned helper T cells. I. Unresponsiveness to antigenic restimulation develops after stimulation of cloned helper T cells. Wilde DB, et al. **J Immunol** 1984 Apr;132(4):1632–8

Antigen-reactive cloned helper T cells. II. Exposure of murine cloned helper T cells to IL 2-containing supernatant induces unresponsiveness to antigenic restimulation and inhibits lymphokine production after antigenic stimulation. Wilde DB, et al. **J Immunol** 1984 Aug;133(2):636–41

Selective activation by thymus-dependent antigens of distinct B cell subpopulations expressing a major cross-reactive idiotype. Woodland RT, et al. **J Immunol** 1984 Oct; 133(4):1801–10

A simple general method of exactly comparing different binding activities and antigenic properties of antibodies by obtaining duplicate copies from a single isoelectric focusing gel. Friedenson B, et al. **J Immunol Methods** 1984 Mar 16;67(2):235–42

An alternative procedure for the preparation of immunogenic liposomal model membranes. Kinsky SC, et al. **J Immunol Methods** 1983 Dec 30;65(3):295–306

Covalent coupling of antigens to chemically activated lipopolysaccharide: a tool for in vivo and in vitro specific B cell stimulation. Lange M, et al. **J Immunol Methods** 1983 Sep 30;63(1):123–31

Regional variation in the expression of bullous pemphigoid antigen and location of lesions in bullous pemphigoid. Goldberg DJ, et al. **J Invest Dermatol** 1984 Apr;82(4):326–8

The effect of retinoic acid on the expression of pemphigus and pemphigoid antigens in cultured human keratinocytes. Thivolet CH, et al. **J Invest Dermatol** 1984 Apr; 82(4):329–34

Circulating T6 antigen positive cells [letter] Wood J, et al. **J Invest Dermatol** 1984 Apr;82(4):387–8

Neutrophil chemotactic activity released in supernatants of human leukocytes challenged with antigens or anti-human IgE. Akiyama K, et al. **J Lab Clin Med** 1984 Sep; 104(3):391–403

Responses of human large granular lymphocytes and classical T-cells in culture to allogeneic cells, lectins, and soluble antigen. Ortaldo JR, et al. **J Leukocyte Biol** 1984 Jun; 35(6):537–48

The role of different K antigens of Escherichia coli in phagocytosis by polymorphonuclear leukocytes. Verweij-Van Vught AM, et al. **J Med Microbiol** 1984 Apr; 17(2):141–50

Observation of an intraoval precipitin (IOP) reaction in Schistosoma mansoni eggs. Ismail SA, et al. **J Parasitol** 1984 Apr;70(2):312–3

Antigenic differences between endozoites and cystozoites of Toxoplasma gondii. Lunde MN, et al. **J Parasitol** 1983 Oct; 69(5):806–8

Induction of tolerance to factor VIII in a child with a high-titer inhibitor: in vitro and in vivo observations. Gomperts ED, et al. **J Pediatr** 1984 Jan;104(1):70–5

Autoantibodies to SS-A/Ro in infants with congenital heart block. Reed BR, et al. **J Pediatr** 1983 Dec;103(6):889–91

Evidence that only one type of beta adrenergic receptor mediates inhibition of antigen-induced histamine release from guinea-pig minced lung. Undem BJ, et al. **J Pharmacol Exp Ther** 1984 May;229(2):391–8

Antigenic similarity between the coccidian parasites Toxoplasma gondii and Hammondia hammondi. Araujo FG, et al. **J Protozool** 1984 Feb;31(1):145–7

Antigenic differentiation of the kinetoplastids Leishmania braziliensis and Trypanosoma cruzi by means of monoclonal antibodies. Constantine NT, et al. **J Protozool** 1983 May;30(2):346–50

Cross-reactivity of vector-borne metacyclic forms of Trypanosoma cruzi with mammalian and culture stages. Villalta F, et al. **J Protozool** 1983 May;30(2):329–31

Syngeneic antiserum to Nulli SCC1 embryonal carcinoma cells recognizing surface antigens of embryonic cells. Hahnel AC, et al. **J Reprod Immunol** 1983 Nov;5(6):371–82

Monoclonal antibodies to porcine zona pellucida antigens and their inhibitory effects on fertilization. Isojima S, et al. **J Reprod Immunol** 1984 Feb;6(2):77–87

Murine Sertoli cells: major histocompatibility antigens and glycoconjugates. Kohno S, et al. **J Reprod Immunol** 1983 Nov;5(6):339–50

Specific antibody response after in vivo antigenic stimulation in systemic lupus erythematosus. Croft SM, et al. **J Rheumatol** 1984 Apr;11(2):141–6

Transfer of delayed hypersensitivity induced by Schistosoma japonicum adult worm antigen in guinea pigs. Noda K, et al. **Jpn J Exp Med** 1983 Jun;53(3):173–6

False positive VDRL and anti-Ro antibodies related to pregnancy outcome [letter] Maddison PJ, et al. **Lancet** 1984 Jan 14;1(8368):108–9

Biochemical characterization of monoclonal T-cell suppressor factors specific for the antigen L-glutamic acid60-L-alanine30-L-tyrosine10 (GAT). Webb DR, et al. **Lymphokine Res** 1983;2(3):103–7

Common antigen and in vitro cytotoxic effect of peripheral blood mononuclear cell fraction in ulcerative colitis. Tomecki R. **Mater Med Pol** 1982 Jan–Dec;14(1–2):3–6

Functional analysis of the murine T lymphocyte immune response to a protozoan parasite, Leishmania tropica. Engers HD, et al. **Mem Inst Oswaldo Cruz** 1983 Jan–Mar; 78(1):105–20

Serological cross-reaction between high molecular weight proteins synthesized in blood schizonts of Plasmodium yoelii, Plasmodium chabaudi and Plasmodium falciparum. Holder AA, et al. **Mol Biochem Parasitol** 1983 Nov; 9(3):191–6

A possible molecular basis for strain specific immunity to malaria. Newbold CI, et al. **Mol Biochem Parasitol** 1984 Apr;11:337–47

Characterization of antigenic polypeptides of the RNP, Sm and SS-B nuclear antigens from calf thymus. Duran N, et al. **Mol Immunol** 1984 Aug;21(8):731–9

Differential induction of help and suppression in mice by bifunctional antigens administered via different routes. Kaymakcalan Z, et al. **Mol Immunol** 1984 Jun;21(6):529–36

The antigenicity of myoglobin-related peptides synthesised on polyacrylamide and polystyrene resin supports. Shi PT, et al. **Mol Immunol** 1984 Jun;21(6):489–96

Changes in free histamine in peripheral circulation following cockroach-antigen challenge in asthmatics. Chang JL, et al. **Mt Sinai J Med (NY)** 1984 Apr;51(2):197–202

Vascular protein linkage in various tissue induced by substance P, capsaicin, bradykinin, serotonin, histamine and by antigen challenge. Saria A, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1983 Nov; 324(3):212–8

New antigen for antibody detection in myasthenia gravis. Gotti C, et al. **Neurology (NY)** 1984 Mar;34(3):374–7

Synapse formation and synaptic activity in mammalian nerve-muscle co-culture are not inhibited by antibodies

to neural cell adhesion molecule L1. Mehrke G, et al. **Neurosci Lett** 1984 Feb 24;44(3):235–9

Transition of precipitating antibodies against antigens from adult flukes and metacercariae of Fasciola sp. in the infected rabbits. Yoshihara S, et al. **Nippon Juigaku Zasshi** 1983 Jun;45(3):431–4

Antigens in food. Aas K. **Nutr Rev** 1984 Mar;42(3):85–91 (26 ref.)

Increased leucocyte histamine release by Entamoeba histolytica antigen in patients with amoebic abscess of the liver. Gil-Recasens ME, et al. **Parasite Immunol** 1984 May; 6(3):211–22

Immunogenic proteins of Leishmania major during mouse infection. Nguyen TV, et al. **Parasite Immunol** 1984 May; 6(3):265–73

A high molecular weight antigen in Plasmodium falciparum recognized by inhibitory monoclonal antibodies. Saul A, et al. **Parasite Immunol** 1984 Jan;6(1):39–50

Secretory IgA responses in rats to antigens of various developmental stages of Nippostrongylus brasiliensis. Wedrychowicz H, et al. **Parasitology** 1984 Aug;89 (Pt 1):145–57

Production of monoclonal antibodies to fibronectin, type IV collagen and other antigens of the human glomerulus. Hancock WW, et al. **Pathology** 1984 Apr;16(2):197–206

Food protein-induced enterocolitis: altered antibody response to ingested antigen. McDonald PJ, et al. **Pediatr Res** 1984 Aug;18(8):751–5

Antigenic stimulation regulates the level of expression of interleukin 2 receptor on human T cells. Hemler ME, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(7):2172–5

Synergistic effects of antigen and soluble T-cell factors in B-lymphocyte activation. Jelachich ML, et al. **Proc Natl Acad Sci USA** 1984 Sep;81(17):5537–41

Triggering of the T3–Ti antigen-receptor complex results in clonal T-cell proliferation through an interleukin 2-dependent autocrine pathway. Meuer SC, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(5):1509–13

Role of T3 surface molecules in human T-cell activation: T3-dependent activation results in an increase in cytoplasmic free calcium. Weiss A, et al. **Proc Natl Acad Sci USA** 1984 Jul;81(13):4169–73

Alloimmunization induces an autoantibody reactive with a common, cryptic antigen. Killion JJ. **Proc Soc Exp Biol Med** 1984 Jul;176(3):309–12

Inhibitor treatment using unactivated prothrombin complex concentrates: the Pennsylvania experience—1978–1982. Eyster ME, et al. **Prog Clin Biol Res** 1984;150:309–22

Immunochemical characterization of factor VIII inhibitors. Hoyer LW, et al. **Prog Clin Biol Res** 1984;150:73–85

One-way cross-reaction between spinal cord protein and myelin basic protein. MacPherson CF, et al. **Prog Clin Biol Res** 1984;146:265–70

The role of locally retained antigens in chronic relapsing experimental allergic encephalomyelitis in guinea pigs. Tabira T, et al. **Prog Clin Biol Res** 1984;146:43–8

Biological and clinical significance of immunological cell markers in leukemia. Thiel E. **Recent Results Cancer Res** 1984;93:102–58 (308 ref.)

Comparison of cestode antigens in an enzyme-linked immunosorbent assay for the diagnosis of Echinococcus granulosus, Taenia hydatigena and T ovis infections in sheep. Yong WK, et al. **Res Vet Sci** 1984 Jan;36(1):24–31

Indirect immunofluorescence test for antimalarial antibodies. Influence of temperature, time of incubation, and presence of cell monolayers on the antigenic characteristics of Plasmodium falciparum matured 'in vitro'. Franco EL, et al. **Rev Inst Med Trop Sao Paulo** 1983 Sep–Oct; 25(5):229–35

Antibodies to Epstein–Barr virus associated antigens in Pima Indians with and without rheumatoid arthritis. Slovin SF, et al. **Rheumatol Int** 1983;3(2):65–8

Activation of human complement by crude and purified antigens from Echinococcus granulosus. Perricone R, et al. **Ric Clin Lab** 1984 Jan–Mar;14(1):65–72

Auto-delayed-type hypersensitivity induced in immunodeficient mice with syngeneic modified self-antigens. II. Suppressor T cells control the autoimmune response. Tarcic N, et al. **Scand J Immunol** 1984 Feb;19(2):111–21

Reactogenicity of a malaria merozoite antigen in Aotus monkeys compared with the effects caused by two new adjuvants, CP-20,961 and [B30]-MDP. Peltola H, et al. **Scand J Infect Dis** 1983;15(4):383–9

T and Tn, general carcinoma autoantigens. Springer GF. **Science** 1984 Jun 15;224(4654):1198–206

Clinical significance of antibodies to Sm (Smith) and RNP (ribonucleoprotein) in patients with rheumatic diseases. Tsay GJ, et al. **Taiwan I Hsueh Hui Tsa Chih** 1984 May; 83(5):436–43

Anamnestic response to high purity porcine AHF [letter] Exner T, et al. **Thromb Haemost** 1983 Aug 30;50(2):623

Heterogeneity of human procoagulant factor VIII (VIIIC) antibodies in their reaction with factor VIII related antigen (VIIIRAG). Furlong RA, et al. **Thromb Res** 1984 Jun 1; 34(5):379–87

Localization and distribution by age and species of an avian thymus-specific antigen. Murthy KK, et al. **Thymus** 1984; 6(1–2):43–55

The pathogenesis of synergistic lung damage in mice by an environmental irritant (H_2SO_4) and particulate antigen. Birnbaum SC, et al. **Toxicology** 1983;28(3):261–9

Clinical relevance of S-antigen induced experimental uveoretinitis. Forrester JV, et al. **Trans Ophthalmol Soc UK** 1983;103 (Pt 5):497–502

Isolation and serological characterization of a monoclonal antibody recognizing the N blood group antigen. Allen RW, et al. **Transfusion** 1984 Mar–Apr;24(2):136–40

Therapy of acquired inhibitors to factor VIII [letter] Spero JA. **Transfusion** 1984 Mar–Apr;24(2):181–2

Expression of OKT 8 antigen and Fc gamma receptors by suppressor cells mediating specific unresponsiveness between recipient and donor in renal-allograft-tolerant patients. Charpentier BM, et al. **Transplantation** 1983 Nov; 36(5):495–501

Antigen specificity and helper characteristics of antigen-driven helper-cell-independent cytolytic T lymphocytes. Widmer MB, et al. **Transplantation** 1983 Nov; 36(5):565–7

Detection of amoebic antibodies using fractionated antigen in TIA and IHA tests. Sharma A, et al. **Trop Geogr Med** 1984 Mar;36(1):51–6

Serodiagnosis of human onchocerciasis: evaluation of sensitivity and specificity of a purified Litomosoides carinii adult worm antigen. Klenk A, et al. **Tropenmed Parasitol** 1984 Jun;35(2):81–4

Immunocytochemical studies on several developmental stages of Dipetalonema viteae (Filarioidea). Prüsse A, et al. **Tropenmed Parasitol** 1983 Sep;34(3):169–73

The specificity of somatic and metabolic Taenia taeniaeformis preparations in murine metacestode infections. Brandt JR, et al. **Vet Parasitol** 1983 Sep;13(2):135–43

Development of serum antibody activity as determined by enzyme-linked immunosorbent assay to Psoroptes ovis (Acarina:Psoroptidae) antigens in cattle infested with P. ovis. Fisher WF. **Vet Parasitol** 1983 Nov;13(4):363–73

Diagnosis of swine trichinosis by enzyme-linked immunosorbent assay (ELISA) using an excretory—secretory antigen. Gamble HR, et al. **Vet Parasitol** 1983 Nov;13(4):349–61

Immunity of schistosomes using heterologous trematode antigens—a review. Hillyer GV. **Vet Parasitol** 1984 Jun; 14(3–4):263–83 (55 ref.)

Activation of macrophages by culture fluid of antigen-stimulated spleen cells collected from chickens immunized with Eimeria tenella. Onaga H, et al. **Vet Parasitol** 1983 Aug;13(1):1–11

A review of the antigens of Fasciola hepatica. Reddington JJ, et al. **Vet Parasitol** 1984 Jun;14(3–4):209–29 (119 ref.)

Alloimmune neonatal neutropenia and neutrophil-specific antigens. Lalezari P. **Vox Sang** 1984;46(6):415–7

In vitro induction of lymphocyte responsiveness by a Strongylus vulgaris-derived mitogen. Bailey M, et al. **Z Parasitenkd** 1984;70(2):229–42

Immunity to Hymenolepis diminuta: attempts to protect mice by parenteral injection of antigen. Elowni EE. **Z Parasitenkd** 1984;70(4):557–9

Lipid antigens derived from erythrocytes infected with Plasmodium berghei. Frankenburg S, et al. **Z Parasitenkd** 1984;70(3):331–6

The lysate from bovine erythrocytes infected with Babesia bovis. Analysis of antigens and a report on their immunogenicity when polymerized with glutaraldehyde. Goodger BV, et al. **Z Parasitenkd** 1983;69(4):473–82

Immunological unresponsiveness of lambs to infection with Haemonchus contortus. Modulation of responsiveness by exposure to soluble larval antigen. Monsell GM, et al. **Z Parasitenkd** 1984;70(2):211–8

Immunological unresponsiveness of lambs to infection with Haemonchus contortus. Effect of infection in the ewe on the subsequent responsiveness of lambs. Shubber AH, et al. **Z Parasitenkd** 1984;70(2):219–28

Detection of specific IgM antibodies to toxocaral ES antigen: effect of absorption of sera with protein A sepharose. Matsumura K, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Nov; 255(4):549–53

Delayed secondary immune response in mice immunized with Toxoplasma antigens and its effect for protection against Toxoplasma gondii. Yano K, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 Mar; 256(3):381–9

[Studies on the antigens common to adult worm and cercaria of Schistosoma japonicum] Liu EX, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1983;1(1):17–22 (Eng. Abstr.) **(Chi)**

[Hyperallergic reactions induced by intradermal test of lung fluke antigen] Chen SZ. **Chung Hua I Hsueh Tsa Chih** 1984 Jan;64(1):39–42 (Eng. Abstr.) **(Chi)**

[Detection of anti-SSA and anti-SSB antibodies and its clinical significance] Wu DH. **Chung Hua I Hsueh Tsa Chih** 1984 Apr;64(4):194–6 (Eng. Abstr.) **(Chi)**

[Anti-Sm antibody assay and its value in the diagnosis of systemic lupus erythematosus] Tang FL, et al. **Chung Hua Nei Ko Tsa Chih** 1983 Aug;22(8):488–90 (Eng. Abstr.) **(Chi)**

[Pertinence of skin tests and the phenomenon of antigenic extinction in allergy to cosmetics (letter)] Castelain M, et al. **Ann Dermatol Venereol** 1984;111(3):283 **(Fre)**

[Comparative values of homologous and heterologous antigens in the diagnosis of hydatidosis and alveolar echinococcosis using immunofluorescence] Liance M, et al. **Bull Soc Pathol Exot Filiales** 1983 Aug–Oct; 76(4):417–24 (Eng. Abstr.) **(Fre)**

[Detection of antibodies against ovum antigens in Schistosoma mansoni bilharziasis] Tribouley J, et al. **Bull Soc Pathol Exot Filiales** 1983 Nov;76(5):514–25 (Eng. Abstr.) **(Fre)**

[Regulation of immune responses with antigens administered orally] Lafont S, et al. **Gastroenterol Clin Biol** 1983 Dec; 7(12):1023–30 (74 ref.) **(Fre)**

[Anti-SS-B antibody : marker of Gougerot-Sjögren's connective tissue disease independent of the dry syndrome] Abuaf N, et al. **Rev Med Interne** 1983 Dec;4(4):369–72 (Eng. Abstr.) **(Fre)**

[Acquired hemophilia caused by antifactor VIIIc antibodies. Apropos of 3 cases] Weiller PJ, et al. **Rev Med Interne** 1983 Dec;4(4):323–6 (Eng. Abstr.) **(Fre)**

[Skin reactivity to recall antigens in psoriasis] Westphal HJ, et al. **Dermatol Monatsschr** 1983;169(11):695–701 (Eng. Abstr.) **(Ger)**

[Structure of asthma-relevant inhalation allergens] Baur X. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:714–6 (Eng. Abstr.) **(Ger)**

[Acquired hemophilia A due to factor VIIIC inhibitor: detection of circulating immune complexes containing factor VIIIC but not factor VIIIR] Pfyffer M, et al. **Schweiz Med Wochenschr** 1983 Oct 8;113(40):1456–9 (Eng. Abstr.) **(Ger)**

[Frequency of pulmonary function disorders as a function of the degree of sensitization. Studies in a poultry farm] Wuthe H, et al. **Z Erkr Atmungsorgane** 1983;161(2):159–62 (Eng. Abstr.) **(Ger)**

[Antigen-specific rosette inhibition test with autologous serum—a possibility for the detection of blocking factors in chronic rejection of allogeneic orthotopic kidney transplants] Werner M, et al. **Z Exp Chir Transplant Kunstliche Organe** 1984;17(3):188–99 (Eng. Abstr.) **(Ger)**

[Antigenicity of trophoblast cells and their significance for placentation and tolerance of human allogenic ova] Skrzypulec ZA. **Zentralbl Gynakol** 1984;106(1):46–54 (Eng. Abstr.) **(Ger)**

[Studies on the proliferative response of lymphocytes using antigen-stimulated macrophage (M phi)—the assay system and clinical application] Funato T, et al. **Arerugi** 1983 Jun; 32(6):348–54 (Eng. Abstr.) **(Jpn)**

[Mechanism of autoantigen Ia recognition in T cell proliferative response] Ishii N, et al. **Arerugi** 1983 Sep; 32(9):996–8 (Eng. Abstr.) **(Jpn)**

[Diagnosis of Hymenoptera hypersensitivity by skin testing and RAST] Namai S, et al. **Arerugi** 1983 Sep;32(9):929–39 (Eng. Abstr.) **(Jpn)**

[The correlation between crude and purified sea-squirt antigens and histamine release in sea-squirt asthma] Tanifuji K, et al. **Arerugi** 1984 Feb;33(2):78–82 (Eng. Abstr.) **(Jpn)**

[Enzyme immunoassay for detection of serum prostate antigen and prostatic acid phosphatase-binding globulins] Kuriyama M, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Jul;74(7):1186–92 (Eng. Abstr.) **(Jpn)**

[Functional changes of the antigen-providing cells caused by induction of immune tolerance] Hara M. **Nippon Ika Daigaku Zasshi** 1983 Oct;50(5):738–46 (Eng. Abstr.) **(Jpn)**

[Evidence for a possible role of the mite antigen in Kawasaki disease] Furusho K, et al. **Nippon Rinsho** 1983 Sep; 41(9):2017–22 **(Jpn)**

[Antibody response to stimulation with parasite antigens] Golińska Z. **Wiad Parazytol** 1984;30(1):73–83 (48 ref.) (Eng. Abstr.) **(Pol)**

[The cervix uteri as a site of local immunity against sperm antigens] Stanislavov R, et al. **Akush Ginekol (Sofiia)** 1983; 22(2):144–7 (Eng. Abstr.) **(Rus)**

[Assessment of the immunizing activity of Echinococcus antigens using the indirect hemagglutination and immunofluorescence reactions] Adel'shin FK, et al. **Med Parazitol (Mosk)** 1983 Nov–Dec;(6):46–50 (Eng. Abstr.) **(Rus)**

[Results of examining malaria patients by an immunofluorescence method using homologous and heterologous antigens] Alekseeva MI, et al. **Med Parazitol (Mosk)** 1983 Jul–Aug;(4):14–6 (Eng. Abstr.) **(Rus)**

[Delayed hypersensitivity to brain antigens in patients with injuries] Red'kin IuV, et al. **Vestn Khir** 1984 Jan;132(1):97–8 **(Rus)**

[Absorption of protein antigens in the gastrointestinal system of rats and guinea pigs] Zorin SN, et al. **Vopr Pitan** 1983 Nov–Dec;(6):48–51 (Eng. Abstr.) **(Rus)**

[Antigenic properties of nitro aromatic derivatives of polyethylene glycol] Kabanov VA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 May;(5):15–20 (Eng. Abstr.) **(Rus)**

[Dynamics of enterobacterial multiplication in a mouse model of intraperitoneal infection in the presence of iron cations as dependent on the availability and type of K antigens] Petrovskaia VG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Sep;(9):53–60 (Eng. Abstr.) **(Rus)**

[Use of mixed antigen in the diagnosis of Chagas disease and toxoplasmosis in the indirect immunofluorescence test] de Sánchez N, et al. **Rev Latinoam Microbiol** 1983 Jul–Sep; 25(3):163–5 (Eng. Abstr.) **(Spa)**

ISOLATION & PURIFICATION

Characterization of porcine zona pellucida antigens by immunoaffinity chromatography and by high-pressure liquid chromatography. Dietl J, et al.
Am J Reprod Immunol 1983 Oct-Nov;4(3):116-21

Isolation of rat male accessory glands autoantigens by affinity chromatography. Pesoa SA, et al.
Am J Reprod Immunol 1983 Sep;4(2):67-70

Enzyme immunoassay for swine trichinellosis using antigens purified by immunoaffinity chromatography. Seawright GL, et al. **Am J Trop Med Hyg** 1983 Nov;32(6):1275-84

Isolation, characterization, and specificity of a glycoprotein antigen from Mycobacterium kansasii. Ma Y, et al.
Am Rev Respir Dis 1983 Dec;128(6):1059-64

Isolation of molecules recognized by monoclonal antibodies and antisera: the solid phase immunoisolation technique. Tamura GS, et al. **Anal Biochem** 1984 Feb;136(2):458-64

Wasp venom proteins: phospholipase A1 and B. King TP, et al. **Arch Biochem Biophys** 1984 Apr;230(1):1-12

Hyperacute rejection of xenografts. II. Isolation of individual components of the graft effluent serum. Wachal T, et al.
Arch Immunol Ther Exp (Warsz) 1983;31(2):237-41

Visualization of antigenic proteins blotted onto nitrocellulose using the immuno-gold-staining (IGS) method. Surek B, et al. **Biochem Biophys Res Commun** 1984 May 31; 121(1):284-9

Isolation and preliminary characterization of a purified pig zona antigen (PPZA) from porcine oocytes. Yurewicz EC, et al. **Biol Reprod** 1983 Sep;29(2):511-23

Sedimentation analysis of von Willebrand and factor VIIIC protein using partition cells in the analytical ultracentrifuge. Barlow GH, et al. **Blood** 1984 Apr;63(4):940-3

Immunopurification. Parkhouse RM. **Br Med Bull** 1984 Jul; 40(3):297-301 (17 ref.)

Raising monospecific antibodies by use of protein components prestained with Remazol Brilliant Blue and separated by disc electrophoresis on polyacrylamide gel. Saoji AM, et al. **Clin Chem** 1984 Jul;30(7):1252-4

Purification and characterization of the Sjögren's syndrome A and B antigens. Venables PJ, et al.
Clin Exp Immunol 1983 Dec;54(3):731-8

Characterization of the SS-B (La) antigen in adenovirus-infected and uninfected HeLa cells. Habets WJ, et al. **EMBO J** 1983;2(10):1625-31

Purification of retinal S-antigen by ion-exchange chromatography and chromatofocusing. Borthwick GM, et al. **Exp Eye Res** 1983 Dec;37(6):613-25

Trichinella spiralis: immunization of rats with an antigen fraction enriched for allergenicity. Durham CP, et al.
Exp Parasitol 1984 Jun;57(3):297-306

Characterization of the autoimmune antigenic determinant for ribonucleoprotein (RNP) antibody. Agris PF, et al.
Immunol Commun 1984;13(2):137-49

Lymph node cells from rats with Heymann's nephritis produce in vitro autoantibodies directed against purified renal tubular antigen. de Heer E, et al. **Immunology** 1984 Aug;52(4):743-52

Isolation of Fasciola hepatica genus-specific antigens. Santiago de Weil N, et al. **Int J Parasitol** 1984 Apr; 14(2):197-206

Purification of retinal S-antigen to homogeneity by the criterion of gel electrophoresis silver staining. Zigler JS Jr, et al. **Invest Ophthalmol Vis Sci** 1984 Aug;25(8):977-80

Antigens and allergens from the common house dust mite Dermatophagoides pteronyssinus. Part II. Identification of the major IgE-binding antigens by crossed radioimmunoelectrophoresis. Krilis S, et al.
J Allergy Clin Immunol 1984 Aug;74(2):142-6

Isolation and purification of a pemphigus vulgaris antigen from human epidermis. Peterson LL, et al.
J Clin Invest 1984 Apr;73(4):1113-20

Hypersensitivity to antigen derived from brain tissue in patients with Huntington's disease and in individuals at risk. Walls RS, et al. **J Clin Invest** 1984 Jul;74(1):165-72

Two distinct forms of Factor VIII coagulant protein in human plasma. Cleavage by thrombin, and differences in coagulant activity and association with von Willebrand factor. Weinstein MJ, et al. **J Clin Invest** 1984 Feb; 73(2):307-16

Mass culturing of Tyrophagus putrescentiae, the allergenically important mite for preparation of testing antigen and desensitizing vaccine. Gamal-Eddin FM, et al. **J Egypt Soc Parasitol** 1984 Jun;14(1):15-9

Isolation and characterization of senile amyloid—related antigenic substance (SASSAM) from mouse serum. Apo SASSAM is a low molecular weight apoprotein of high density lipoprotein. Higuchi K, et al. **J Exp Med** 1983 Nov 1;158(5):1600-14

Characterization of proliferating cell nuclear antigen recognized by autoantibodies in lupus sera. Takasaki Y, et al. **J Exp Med** 1984 Apr 1;159(4):981-92

A method for examining the endothelial cytoskeleton in situ using immunofluorescence. Rogers KA, et al.
J Histochem Cytochem 1983 Nov;31(11):1317-20

Sensitization to epithelial antigens in chronic mucosal inflammatory disease. I. Purification, characterization, and immune reactivity of murine epithelial cell-associated components (ECAC). Aronson RA, et al. **J Immunol** 1983 Dec;131(6):2796-804

Partial immunochemical characterization of the Ro and La proteins using antibodies from patients with the sicca syndrome and lupus erythematosus. Elkon KB, et al.
J Immunol 1984 May;132(5):2350-6

Preparation, isolation, and immunochemical studies of the cyanogen bromide peptides from a retinal photoreceptor cell autoantigen, S-antigen. Gregerson DS, et al.
J Immunol 1984 Aug;133(2):843-8

Characterization of the La (SS-B) antigen from several mammalian sources. Hoch SO, et al. **J Immunol** 1984 Sep; 133(3):1397-403

Antigens from trichinella spiralis that induce a protective response in the mouse. Silberstein DS, et al. **J Immunol** 1984 Feb;132(2):898-904

Demonstration of species-specific and cross-reactive components of the adult microsomal antigens from Schistosoma mansoni and S. japonicum (MAMA and JAMA). Tsang VC, et al. **J Immunol** 1984 May; 132(5):2607-13

A molecular basis for strain specificity in S antigens of Plasmodium falciparum. Winchell EJ, et al. **J Immunol** 1984 Oct;133(4):1702-4

Persistence of an antigen recognized by Crohn's disease sera during in vivo passage of a Crohn's disease-induced lymphoma in athymic nude mice. Zuckerman MJ, et al. **J Lab Clin Med** 1984 Jul;104(1):69-76

Altered H-antigen reactivity as an early indicator of malignant transformation in oral epithelium. Auclair PL.
J Oral Pathol 1984 Aug;13(4):401-11

Isolation of a sperm autoantigen from the kidneys of vasectomized rabbits. O'Rand MG, et al.
J Reprod Immunol 1984 Feb;6(2):121-8

Immunological detection of Plasmodium knowlesi antigens after electrophoretic transfer from SDS-polyacrylamide gels to diazophenylthioether paper. Johnson DM, et al.
Parasite Immunol 1984 Jan;6(1):83-93

Characterization of a high molecular weight protective antigen of Plasmodium yoelii. Holder AA, et al.
Parasitology 1984 Apr;88 (Pt 2):211-9

Solubilization and immunoprecipitation of 125I-labelled antigens from Plasmodium knowlesi schizont-infected erythrocytes using non-ionic, anionic and zwitterionic detergents. Howard RJ, et al. **Parasitology** 1984 Feb;88 (Pt 1):27-36

Structure and function of factor VIII procoagulant protein. Fulcher CA, et al. **Prog Clin Biol Res** 1984;150:57-71

Partial purification of somatic and excretory-secretory products of adult Fasciola hepatica and their application for the serodiagnosis of experimental and natural fascioliasis using an ELISA. Pfister K, et al. **Res Vet Sci** 1984 Jul; 37(1):39-43

Identification and purification of a 55K polypeptide in Sjögren's syndrome A antigen. Smith PR, et al.
Rheumatol Int 1984;4(3):135-8

Freezing of plasma to obtain better yield of factor VIII:C. Carlebjörk G, et al. **Scand J Haematol [Suppl]** 1984; 40:127-8

Parameters affecting the fractionation of FVIII:C activity in production of very high purity AHF concentrate. Törmä E, et al. **Scand J Haematol [Suppl]** 1984;40:123-6

An update of the isolation and characterization of culture-derived soluble antigens of Babesia bovis. James MA. **Vet Parasitol** 1984 Jun;14(3-4):231-7 (19 ref.)

[Identification and immunochemical characteristics of an organ-specific antigen in the embryonic liver of the rat] Kosheva S. **Eksp Med Morfol** 1983;22(4):33-7 (Eng. Abstr.) **(Bul)**

[Extraction, fractionation and chemical and immunological properties of urea-soluble Schistosoma japonicum egg antigen] Tao YX, et al.
Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih 1983;1(1):11-6 (Eng. Abstr.) **(Chi)**

[Isolation of the antigens of Schistosoma japonicum and their clinical application] Fu Q.
Chung Hua I Hsueh Tsa Chih 1984 Feb;64(2):75-8 (Eng. Abstr.) **(Chi)**

[Spermatozoidal antigenic fraction - extraction and solubilization methods in practice] Ulčová-Gallová Z, et al. **Cesk Gynekol** 1983 Jun;48(5):364-8 **(Cze)**

[Isolation of spermatozoidal antigens] Ulčová-Gallová Z, et al. **Cesk Gynekol** 1983 Jun;48(5):376-9 **(Cze)**

[A cytoplasmic antigen related to the cell cycle identified by a human autoimmune serum] Lagaye S, et al.
C R Seances Acad Sci [III] 1984;298(9):249-52 (Eng. Abstr.) **(Fre)**

[Parasite antigens--problems of immunodiagnosis] Machnicka B. **Wiad Parazytol** 1984;30(1):63-71 (22 ref.) (Eng. Abstr.) **(Pol)**

[Physicochemical properties of kidney-specific antigen] Averkina RF. **Biull Eksp Biol Med** 1984 Jan;97(1):68-71 (Eng. Abstr.) **(Rus)**

[Synthesis of a high-volume immunosorbent with oriented immobilization of Fab'-fragments for antigen separation] Skvortsov VT, et al. **Biull Eksp Biol Med** 1984 Feb; 97(2):179-80 (Eng. Abstr.) **(Rus)**

[i-Antigen on erythrocytes of patients with hypoplastic anemia] Gorskaia TI, et al. **Gematol Transfuziol** 1984 Jun; 29(6):24-8 (Eng. Abstr.) **(Rus)**

[Preparation of tissue antigens by the ultrasonic disintegration method] Sinel'nikova TG, et al. **Lab Delo** 1983;(12):35-7 (Eng. Abstr.) **(Rus)**

[Preparation of erythrocyte diagnostic agents with thermostable and thermolabile Echinococcus antigens] Kuz'min IuA, et al. **Med Parazitol (Mosk)** 1984 Jan-Feb; (1):82-5 (Eng. Abstr.) **(Rus)**

[Isolation and several properties of neurospecific antigen D] Berezhnoĭ GA. **Ukr Biokhim Zh** 1984 Mar-Apr;56(2):123-7 (Eng. Abstr.) **(Rus)**

METABOLISM

Proteolytic inactivation of human factor VIII procoagulant protein by activated human protein C and its analogy with factor V. Fulcher CA, et al. **Blood** 1984 Feb;63(2):486-9

Elevated glucose concentrations increase factor VIIIR:Ag levels in human umbilical vein endothelial cells. Mordes DB, et al. **Diabetes** 1983 Sep;32(9):876-8

Pharmacokinetics of factor VIII:C. Appropriateness of the one-compartment model for estimating clearance. Matucci M, et al. **Farmaco [Prat]** 1983 Aug;38(8):306-11

La antigen recognizes and binds to the 3'-oligouridylate tail of a small RNA. Mathews MB, et al. **Mol Cell Biol** 1984 Jun;4(6):1134-40

Calculations of factor VIII in vivo recovery and half-life. Kjellman H. **Scand J Haematol [Suppl]** 1984;40:165-74

The inability of propranolol and aspirin to inhibit the response of fibrinolytic activity and factor VIII-antigen to infusion of DDAVP. Brommer EJ, et al. **Thromb Haemost** 1984 Feb 28;51(1):42-4

The interaction between factor VIII clotting antigen and phospholipids in genetic variants of hemophilia and von Willebrand's disease. Kobayashi I, et al. **Thromb Res** 1984 Jul 1;35(1):65-75

Effects of ticlopidine and dexamethasone on fibronectin and factor VIII-related antigen synthesis by cultured endothelial cells. Piovella F, et al. **Thromb Res [Suppl]** 1983; 4:69-73

Interactions of plus and minus strand leader RNAs of the New Jersey serotype of vesicular stomatitis virus with the cellular La protein. Wilusz J, et al. **Virology** 1984 May; 135(1):65-73

PHARMACODYNAMICS

On the role of I-A antigens in lectin- and antigen-induced interleukin 2 production. Larsson EL, et al.
Eur J Immunol 1984 May;14(5):431-5

PHYSIOLOGY

Stabilization of thrombin-activated porcine factor VIII:C by factor IXa phospholipid. Lollar P, et al. **Blood** 1984 Jun; 63(6):1303-8

Kinetic studies of the activation of factor X by factors IXa and VIII:C in the absence of thrombin. Neal GG, et al.
Br J Haematol 1984 May;57(1):123-31

Comparison of two cell surface molecules involved in neural cell adhesion. Rathjen FG, et al. **EMBO J** 1984 Feb; 3(2):461-5

Heterotypic binding between neuronal membrane vesicles and glial cells is mediated by a specific cell adhesion molecule. Grumet M, et al. **J Cell Biol** 1984 May; 98(5):1746-56

Cell-adhesion molecules: a molecular basis for animal form. Edelman GM. **Sci Am** 1984 Apr;250(4):118-29

SECRETION

The effect of calcium on the secretion of factor VIII-related antigen by cultured human endothelial cells. Loesberg C, et al. **Biochim Biophys Acta** 1983 Sep 22;763(2):160-8

STANDARDS

Multitest CMI for standardized measurement of delayed cutaneous hypersensitivity and cell-mediated immunity. Normal values and proposed scoring system for healthy adults in the U.S.A. Kniker WT, et al. **Ann Allergy** 1984 Feb;52(2):75-82

North American study of factor VIII concentrate potency. Lusher JM, et al. **Scand J Haematol [Suppl]** 1984;40:149-60

THERAPEUTIC USE

Lymphocyte transformation by grass pollen allergens. A study of atopic patients receiving immunotherapy. Broman P, et al. **Allergy** 1984 May;39(4):297-308

Principles of in vivo recovery and survival studies. Allain JP. **Scand J Haematol [Suppl]** 1984;40:161-3

Keyhole-limpet haemocyanin (KLH) immunotherapy of murine transitional cell carcinoma. Walsh WG, et al.
Urol Res 1983;11(6):263-5

URINE

Detection of malaria antigens in urine, using a solid-phase radioimmunoassay: preliminary study. Bein K, et al.
Ethiop Med J 1984 Jul;22(3):119-27

Monitoring of contrast media nephrotoxicity by specific kidney tissue proteinuria of membrane antigens. Scherberich J, et al.
Fortschr Geb Rontgenstr Nuklearmed Erganzungsband 1983; 118:37-42

Development of monoclonal antibodies to proteins separated by two-dimensional gel electrophoresis. Tracy RP, et al.
J Immunol Methods 1983 Dec 16;65(1-2):97-107

Presence of 'rheumatoid neoantigen-like material' in urine of patients with RA, demonstrated by use of leukocyte adherence inhibition assay. Tannenbaum H.
J Rheumatol 1983 Dec;10 Suppl 11:97-102

Auto-immune therapy against human allergic disease: a

physiological self defence factor. Wilson CW, et al. **Med Hypotheses** 1983 Oct;12(2):143–58

ANTIGENS, BACTERIAL

Non-toxin virulence factors of bacterial enteric pathogens (a review). Kétyi I. **Acta Microbiol Hung** 1984;31(1):1–25 (225 ref.)

A new type of carbohydrate-containing synthetic antigen: synthesis of carbohydrate-containing polyacrylamide copolymers having the specificity of O:3 and O:4 factors of Salmonella. Chernyak AYa, et al. **Carbohydr Res** 1984 Jun 1;128(2):269–82

Structural studies of the Escherichia coli O-antigen 25. Kenne L, et al. **Carbohydr Res** 1983 Oct 28;122(2):249–56

Studies on the partial structure of the O-antigen of Vibrio cholera Ogawa G-2102. Majumder M, et al. **Carbohydr Res** 1983 Oct 28;122(2):209–16

About the presence of a thermolabile (TL) antigenic fraction in Leptospira interrogans. Mazzonelli J, et al. **Comp Immunol Microbiol Infect Dis** 1983;6(4):339–43

Preparation of procoligenoids from Escherichia coli heat-labile enterotoxins. Finkelstein RA, et al. **Infect Immun** 1984 Aug;45(2):518–21

Legionella pneumophila-induced suppression of macrophage spreading in vitro. Friedman M, et al. **Infect Immun** 1983 Oct;42(1):421–3

Immunoglobulin A-mediated hepatobiliary transport constitutes a natural pathway for disposing of bacterial antigens. Russell MW, et al. **Infect Immun** 1983 Dec; 42(3):1041–8

Isolation and characterization of type III group B streptococcal mutants defective in biosynthesis of the type-specific antigen. Yeung MK, et al. **Infect Immun** 1983 Oct;42(1):141–51

The complete amino acid sequence of a biologically active 197-residue fragment of M protein isolated from type 5 group A streptococci. Manjula BN, et al. **J Biol Chem** 1984 Mar 25;259(6):3686–93

Streptococcal M6 protein expressed in Escherichia coli. Localization, purification, and comparison with streptococcal-derived M protein. Fischetti VA, et al. **J Exp Med** 1984 Apr 1;159(4):1083–95

Characteristics of a high molecular weight extracellular protein of Streptococcus mutans. Forester H, et al. **J Gen Microbiol** 1983 Sep;129 (Pt 9):2779–88

Complement activation via the alternative pathway by purified Salmonella lipopolysaccharide is affected by its structure but not its O-antigen length. Grossman N, et al. **J Immunol** 1984 Jan;132(1):376–85

O antigen-dependent mutant of bacteriophage T5. Heller KJ, et al. **J Virol** 1984 Jan;49(1):20–5

[Bacterial allergy in infants with intestinal manifestations of exudative diathesis] Klimenko AI, et al. **Pediatriia** 1984 Apr;(4):48–9 **(Rus)**

ADMINISTRATION & DOSAGE

Polyarthritis in rats following the systemic injection of Lactobacillus casei cell walls in aqueous suspension. Lehman TJ, et al. **Arthritis Rheum** 1983 Oct;26(10):1259–65

The effects of oral and combined parenteral/oral immunization against an experimental Escherichia coli urinary tract infection in mice. Layton GT, et al. **Clin Exp Immunol** 1983 Nov;54(2):305–12

Administration of purified colonization factor antigens (CFA/I, CFA/II) of enterotoxigenic Escherichia coli to volunteers. Response to challenge with virulent enterotoxigenic Escherichia coli. Evans DG, et al. **Gastroenterology** 1984 Oct;87(4):934–40

Induction of immunity against live Mycobacterium lepraemurium: a requirement for viable bacilli? Løvik M, et al. **Immunology** 1984 Sep;53(1):165–73

Partially purified antigen preparations of Toxoplasma gondii protect against lethal infection in mice. Araujo FG, et al. **Infect Immun** 1984 Jul;45(1):122–6

Mucosal antibody response to parenteral vaccination with Haemophilus influenzae type b capsule. Pichichero ME, et al. **J Allergy Clin Immunol** 1983 Nov;72(5 Pt 1):481–6

Humoral immunity in essential fatty acid-deficient rats and mice: effect of route of injection of antigen. Boissonneault GA, et al. **J Nutr** 1984 Jan;114(1):89–94

Non-specific suppression of delayed-type hypersensitivity by intrathymic injection of killed bacteria. Kato K, et al. **Thymus** 1984;6(1-2):79–87

[Immunologic response to Yersinia antigens in patients with various rheumatic diseases] Zaremba M, et al. **Reumatologia** 1984;22(1):35–45 (Eng. Abstr.) **(Pol)**

ANALYSIS

The detection of the 987 P antigen in Escherichia coli isolated from piglets with diarrhoea. Ness E. **Acta Vet Scand** 1983; 24(4):521–3

Rapidly progressive glomerulonephritis in a patient with syphilis. Identification of antitreponemal antibody and treponemal antigen in renal tissue. Walker PD, et al. **Am J Med** 1984 Jun;76(6):1106–12

Application of an enzyme-linked immunosorbent assay for detection of Brucella antigens in vaginal discharge of cows. Chen IM, et al. **Am J Vet Res** 1984 Jan;45(1):32–4

Rapid identification of dominant Brucella antigens, using a microagglutination test. Hennager SG, et al. **Am J Vet Res** 1983 Dec;44(12):2418–9

Comparison of the amino acid compositions and antigenic properties of spiralins purified from the plasma membranes of different spiroplasmas. Wróblewski H, et al. **Ann Microbiol (Paris)** 1984 Jan-Feb;135A(1):73–82

Trends in the localization of bacterial antigens by immunoelectron microscopy. Walker PD, et al. **Ann NY Acad Sci** 1983;420:410–21

Coagglutination of Staphylococcus aureus with enterobacterial common antigen. Carrillo J, et al. **Arch Invest Med (Mex)** 1983;14(3):221–30 **(Eng, Spa)**

Quantitation of Haemophilus influenzae serotype b capsular polysaccharide antigen in body fluids by enzyme immunoassay. Henne G, et al. **Biomed Biochim Acta** 1984; 43(3):381–7

Specific IgM antibody response, evaluated by micro-ELISA, to various antigen fractions from sheep hydatid fluid and scolices of E. granulosus, in sera from patients affected by hydatid disease, before and after surgery. Tassi C, et al. **Boll Ist Sieroter Milan** 1984 May 31;63(2):140–4

Use of an enzyme-linked immunosorbent assay to measure antigenaemia during acute plague. Williams JE, et al. **Bull WHO** 1984;62(3):463–6

Goat serums for fluorescent antibody conjugates to chlamydial antigens. Tessler J. **Can J Comp Med** 1984 Apr; 48(2):228–9

Characterization of the surface antigens of the marine fish pathogens Vibrio anguillarum and Vibrio ordalii. Chart H, et al. **Can J Microbiol** 1984 May;30(5):703–10

Artificial carbohydrate antigens: a block synthesis of a linear, tetrasaccharide repeating-unit of the Shigella flexneri variant Y polysaccharide. Wessel HP, et al. **Carbohydr Res** 1983 Dec 23;124(2):301–11

The localisation of phoE and beta-galactosidase antigens in wild type and phoE/lacZ hybrid Escherichia coli. Leunissen J, et al. **Cell Biol Int Rep** 1984 Mar;8(3):187

Immunochemical characterization of Mycobacterium leprae antigens by the SDS-polyacrylamide gel electrophoresis immunoperoxidase technique (SGIP) using patients' sera. Klatser PR, et al. **Clin Exp Immunol** 1984 Jun;56(3):537–44

Demonstration of mycobacterial antigens in nerve biopsies from leprosy patients using peroxidase-antiperoxidase immunoenzyme technique. Mshana RN, et al. **Clin Immunol Immunopathol** 1983 Dec;29(3):359–68

Cationic antigens in poststreptococcal glomerulonephritis. Vogt A, et al. **Clin Nephrol** 1983 Dec;20(6):271–9

Treponemal antigens and their use in syphilis serological tests. Pedersen NS. **Dan Med Bull** 1984 Jun;31(3):227–39

Comparison of coagglutination, latex agglutination, and enzyme-linked immunosorbent assay for detection of Haemophilus influenzae type b infection. Drow DL, et al. **Diagn Microbiol Infect Dis** 1983 Dec;1(4):317–22

Coagglutination for detection and serotyping of bacterial antigens: usefulness in acute pneumonias. Mayer ME, et al. **Diagn Microbiol Infect Dis** 1983 Dec;1(4):277–85

Improved immunologic detection of Clostridium difficile antigen by counterimmunoelectrophoresis. Ryan RW, et al. **Diagn Microbiol Infect Dis** 1983 Mar;1(1):59–63

Correlation of E. coli K-1 bacteremia and capsular polysaccharide antigenemia in acute and chronic infection. Stevens P, et al. **Diagn Microbiol Infect Dis** 1983 Sep; 1(3):185–92

Differentiation in throat cultures of group C and G streptococci from Streptococcus milleri with identical antigens. Bucher C, et al. **Eur J Clin Microbiol** 1984 Feb; 3(1):44–5

Assay of type-specific M antigens on whole group A streptococci. Miörner H, et al. **Eur J Clin Microbiol** 1984 Feb;3(1):14–8

Serotyping of Campylobacter jejuni and Campylobacter coli on the basis of thermostable antigens. Penner JL, et al. **Eur J Clin Microbiol** 1983 Aug;2(4):378–83

Enterotoxin production, invasive ability and surface antigens of enteropathogenic Escherichia coli. Thorén A. **Eur J Clin Microbiol** 1983 Oct;2(5):478–9

An evaluation of the conditions necessary for optimal protein A-gold labelling of capsular antigen in ultrathin methacrylate sections of the bacterium Pasteurella haemolytica. Beesley JE, et al. **Histochem J** 1984 Feb; 16(2):151–63

Identification of HLA-B27M1 and -M2 cross-reactive antigens in Klebsiella, Shigella and Yersinia. van Bohemen CG, et al. **Immunology** 1984 Aug;52(4):607–10

Enzyme-linked immunosorbent assay for mycobacterial antigens. Bal V, et al. **Indian J Med Res** 1983 Oct;78:477–83

Counterimmunoelectrophoresis for Salmonella typhi antigen & antibody detection in typhoid. Harish BN, et al. **Indian J Med Res** 1983 Jun;77:781–4

Molecular basis of immunological cross-reactivity between Treponema pallidum and Treponema pertenue. Baker-Zander SA, et al. **Infect Immun** 1983 Nov; 42(2):634–8

Variation in a major surface protein of Lyme disease spirochetes. Barbour AG, et al. **Infect Immun** 1984 Jul; 45(1):94–100

Fractionation of hemagglutinating and bacterial binding adhesins of Bacteroides gingivalis. Boyd J, et al. **Infect Immun** 1984 Aug;45(2):403–9

Colonization factors associated with enterotoxigenic Escherichia coli isolated in Thailand. Changchawalit S. et al. **Infect Immun** 1984 Aug;45(2):525–7

Antigenic heterogeneity of Bacteroides intermedius as recognized by monoclonal antibodies. Gmür R, et al. **Infect Immun** 1983 Nov;42(2):459–70

Type-specific capsular antigen is associated with virulence in late-onset group B Streptococcal type III disease. Klegerman ME, et al. **Infect Immun** 1984 Apr;44(1):124–9

Characterization of polysaccharide antigens of Streptococcus mutans B13 grown under various conditions. Linzer R, et al. **Infect Immun** 1984 Apr;44(1):76–81

Molecular identification of surface protein antigens of Campylobacter jejuni. Logan SM, et al. **Infect Immun** 1983 Nov;42(2):675–82

Biochemical and immunological differences between hydrophobic and hydrophilic strains of Streptococcus mutans. McBride BC, et al. **Infect Immun** 1984 Apr; 44(1):68–75

A type-specific antigen of Eikenella corrodens is the major outer membrane protein. Maliszewski CR, et al. **Infect Immun** 1983 Oct;42(1):208–13

Identification of cross-reactive antigens between Mycoplasma pulmonis and Mycoplasma arthritidis. Minion FC, et al. **Infect Immun** 1984 Jan;43(1):115–21

Surface localization of Pseudomonas aeruginosa outer membrane porin protein F by using monoclonal antibodies. Mutharia LM, et al. **Infect Immun** 1983 Dec;42(3):1027–33

Identification and preliminary characterization of saliva-interacting surface antigens of Streptococcus mutans by immunoblotting, ligand blotting, and immunoprecipitation. Ogier JA, et al. **Infect Immun** 1984 Jul;45(1):107–12

Monoclonal antibodies to subgroup 1 rotavirus. Singh N, et al. **Infect Immun** 1983 Nov;42(2):835–7

Identification and molecular weight characterization of antigens from Candida albicans that are recognized by human sera. Strockbine NA, et al. **Infect Immun** 1984 Feb; 43(2):715–21

Serological characterization of Streptococcus mutans serotype polysaccharide g and its different molecular weight forms. Takada K, et al. **Infect Immun** 1984 Aug; 45(2):464–9

Comparison of major protein antigens and protein profiles of Treponema pallidum and Treponema pertenue. Thornburg RW, et al. **Infect Immun** 1983 Nov;42(2):623–7

F41 antigen among porcine enterotoxigenic Escherichia coli strains lacking K88, K99, and 987P pili. To SC. **Infect Immun** 1984 Feb;43(2):549–54

Monoclonal antibodies distinguish phase variants of Coxiella burnetii. Williams JC, et al. **Infect Immun** 1984 Jan; 43(1):421–8

Purification and characterization of the serotype c antigen from Actinobacillus actinomycetemcomitans. Zambon JJ, et al. **Infect Immun** 1984 Apr;44(1):22–7

Applications of fluorescent antibody for detecting capsular substances in Staphylococcus epidermidis. Ichiman Y. **J Appl Bacteriol** 1984 Apr;56(2):311–6

N-acylkansosamine. A novel N-acylamino sugar from the trehalose-containing lipooligosaccharide antigens of Mycobacterium kansasii. Hunter SW, et al. **J Biol Chem** 1984 Aug 10;259(15):9729–34

Immunological studies of post-streptococcal sequelae. Evidence for presence of streptococcal antigens in circulating immune complexes. Friedman J, et al. **J Clin Invest** 1984 Sep;74(3):1027–34

Antigen specific macrophage-lymphocyte interaction in lepromatous leprosy. Birdi TJ, et al. **J Clin Lab Immunol** 1984 Apr;13(4):189–94

Production of Vibrio cholerae O1 and non-O1 typing sera in rabbits immunized with polysaccharide-protein carrier conjugates. Adams LB, et al. **J Clin Microbiol** 1984 Feb; 19(2):181–6

Differentiation of the major flagellar antigens of Pseudomonas aeruginosa by the slide coagglutination technique. Ansorg RA, et al. **J Clin Microbiol** 1984 Jul; 20(1):84–8

Retrospective examination of lung tissue specimens for the presence of Legionella organisms: comparison of an indirect fluorescent-antibody system with direct fluorescent-antibody testing. Brown SL, et al. **J Clin Microbiol** 1984 Apr;19(4):468–72

Identification of Salmonella O antigens by coagglutination. Cohen JO, et al. **J Clin Microbiol** 1984 May;19(5):576–8

Specific identification of Salmonella serogroup E antigen O3 by immunofluorescence and coagglutination with antiserum elicited by a synthetic trisaccharide-bovine serum albumin glycoconjugate. Ekwall E, et al. **J Clin Microbiol** 1984 May;19(5):699–702

Identification of a carrier by using Vi enzyme-linked immunosorbent assay serology in an outbreak of typhoid fever on an Indian reservation. Engleberg NC, et al. **J Clin Microbiol** 1983 Dec;18(6):1320–2

Detection of bacterial antigens in body fluids with the Wellcogen Haemophilus influenzae b, Streptococcus pneumoniae, and Neisseria meningitidis (ACYW135) latex agglutination tests. Ingram DL, et al. **J Clin Microbiol** 1983 Nov;18(5):1119–21

Group B streptococcal Ibc protein antigen: distribution of two determinants in wild-type strains of common serotypes. Johnson DR, et al. **J Clin Microbiol** 1984 Apr; 19(4):506–10

Escherichia coli K5 antigen in relation to various infections and in healthy individuals. Kaijser B, et al. **J Clin Microbiol** 1984 Feb;19(2):264–6

Analysis of Campylobacter jejuni antigens with monoclonal

antibodies. Kosunen TU, et al. **J Clin Microbiol** 1984 Feb; 19(2):129–33

Comparative laboratory evaluation of three antigen detection methods for diagnosis of Haemophilus influenzae type b disease. Marcon MJ, et al. **J Clin Microbiol** 1984 Mar; 19(3):333–7

Monoclonal antibody enzyme-linked immunosorbent assay for identification of K99–positive Escherichia coli isolates from calves. Mills KW, et al. **J Clin Microbiol** 1984 Apr; 19(4):498–501

Detection of type-specific antigens in the lungs of Haemophilus pleuropneumoniae-infected pigs by coagglutination test. Mittal KR, et al. **J Clin Microbiol** 1983 Dec;18(6):1355–7

Rapid detection of group B streptococcal antigen by monoclonal antibody sandwich enzyme assay. Morrow DL, et al. **J Clin Microbiol** 1984 Apr;19(4):457–9

Rapid diagnosis of group A streptococcal antigen extracted directly from swabs by an enzymatic procedure and used to detect pharyngitis. Otero JR, et al. **J Clin Microbiol** 1983 Aug;18(2):318–20

Validity of an enzyme immunoassay for detection of Neisseria gonorrhoese antigens. Papasian CJ, et al. **J Clin Microbiol** 1984 Mar;19(3):347–50

Nylon bead enzyme–linked immunosorbent assay for detection of sub–picogram quantities of Brucella antigens. Perera VY, et al. **J Clin Microbiol** 1983 Sep;18(3):601–8

Early detection of streptococci in swabs by latex agglutination before culture. Petts DN. **J Clin Microbiol** 1984 Mar;19(3):432–3

Antigen detection for the diagnosis of gonorrhea. Stamm WE, et al. **J Clin Microbiol** 1984 Mar;19(3):399–403

Presumptive identification of Vibrio species with H antiserum. Tassin MG, et al. **J Clin Microbiol** 1983 Aug; 18(2):400–7

Comparison of three commercial cryptococcal latex kits for detection of cryptococcal antigen. Wu TC, et al. **J Clin Microbiol** 1983 Nov;18(5):1127–30

Enzyme immunoassays in which biotinillated beta–lactamase is used for the detection of microbial antigens. Yolken RH, et al. **J Clin Microbiol** 1984 Mar;19(3):356–60

Counterimmunoelectrophoresis in the diagnosis of whooping cough. Boreland PC, et al. **J Clin Pathol** 1984 Aug; 37(8):950–1

Anomalous results using countercurrent immunoelectrophoresis for the detection of pneumococcal antigen in Bactec blood culture media. Chiang WC, et al. **J Clin Pathol** 1984 May;37(5):571–2

Crossed immunoelectrophoresis and enzyme–linked immunosorbent assay of the cell–surface antigens of Bacteroides fragilis. Cousland G, et al. **J Gen Microbiol** 1984 Mar;130 (Pt 3):645–55

Characterization of polyagglutinating and surface antigens in Pseudomonas aeruginosa. Meadow PM, et al. **J Gen Microbiol** 1984 Mar;130 (Pt 3):631–44

The production of F41 fimbriae by piglet strains of enterotoxigenic Escherichia coli that lack K88, K99 and 987P fimbriae. Morris JA, et al. **J Gen Microbiol** 1983 Sep; 129 (Pt 9):2753–9

Purification by sucrose density gradient zonal centrifugation and affinity column chromatography of antigenic substances from the livers of mice infected with Tyzzer's disease. Orikasa M, et al. **J Gen Microbiol** 1984 Jul;130 (Pt 7):1757–63

Demonstration of the common antigens of Clostridium botulinum, C. sporogenes and C. novyi by an enzyme–linked immunosorbent assay and electroblot transfer. Poxton IR. **J Gen Microbiol** 1984 Apr;130 (Pt 4):975–81

Investigation of populations heterogeneous according to O–antigen in Vibrio cholerae cultures. Andrusenko IT, et al. **J Hyg Epidemiol Microbiol Immunol** 1984;28(2):177–84

Detection of Mycoplasma hominis antigen in clinical specimens by using a four–layer modification of enzyme immunoassay (EIA). Miettinen A, et al. **J Immunol Methods** 1984 Apr 27;69(2):267–75

An ELISA to detect monoclonal antibodies specific for lipid determinants of Mycoplasma pneumoniae. Morrison–Plummer J, et al. **J Immunol Methods** 1983 Nov 11;64(1–2):165–78

Improved enzyme immunoassays for the detection of antigens in fecal specimens. Investigation and correction of interfering factors. Viscidi R, et al. **J Immunol Methods** 1984 Feb 24;67(1):129–43

False–positive counterimmunoelectrophoresis tests for Clostridium difficile: the role of Clostridium bifermentans and Clostridium sordellii [letter] Jarvis W, et al. **J Infect Dis** 1983 Dec;148(6):1168–9

Antigenic variation during infection with Neisseria gonorrhoeae: detection of antibodies to surface proteins in sera of patients with gonorrhea. Zak K, et al. **J Infect Dis** 1984 Feb;149(2):166–74

Demonstration of shared antigens in the genus Clostridium by an enzyme–linked immunosorbent assay. Poxton IR, et al. **J Med Microbiol** 1984 Apr;17(2):171–6

Correlation between serotypes, enterotoxin production and presence of colonisation factor antigens (CFA) in E. coli isolates from acute diarrhoea in children. Iyer L, et al. **J Postgrad Med** 1983 Apr;29(2):62–6

The effect of antibiotics on mannose–resistant haemagglutination by K88– and K99–positive Escherichia coli strains. Søgaard H, et al. **J Vet Pharmacol Ther** 1983 Sep;6(3):187–93

Evaluation of an enzyme immunoassay for detection of Neisseria gonorrhoeae in an adolescent population. Demetriou E, et al. **JAMA** 1984 Jul 13;252(2):247–50

Avoidance of false–negative blood culture results by rapid detection of pneumococcal antigen. Fischer GW, et al. **JAMA** 1984 Oct 5;252(13):1742–3

Immunologic detection of bacterial antigens. Tilton RC. **Lab Res Methods Biol Med** 1983;8:183–90

Antigens in whooping cough vaccine and antibody levels induced by vaccination of children. Ashworth LA, et al. **Lancet** 1983 Oct 15;2(8355):878–81

Rapid diagnosis of typhoid fever by antigen detection. Sivadasan K, et al. **Lancet** 1984 Jan 21;1(8369):134–5

The Klebsiella O3 lipopolysaccharide isolated from culture fluid: structure of the polysaccharide moiety. Hasegawa T, et al. **Microbiol Immunol** 1983;27(8):683–94

Surface antigens of Proteus mirabilis revealed by electroblotting from sodium dodecyl sulphate–polyacrylamide gels. Driver K, et al. **Microbios** 1984;41(160):87–98

Enzyme–linked immunosorbent assay for the detection of chlamydial antigens from human specimens. Stokes GV, et al. **Microbios** 1984;40(159):15–23

Morphologic and immunohistologic study of pyelonephritis in rats by various bacteria and fungi. Special reference to inflammatory changes and localization of antigen. Nagai T. **Nephron** 1984;37(4):264–9

A pomona serogroup–specific, agglutinating antigen in Leptospira, identified by monoclonal antibodies. Adler B, et al. **Pathology** 1983 Jul;15(3):247–50

An evaluation of latex particle agglutination to detect antigenemia in children. Richardson CJ, et al. **Pathology** 1984 Apr;16(2):192–5

Comparison of three major antigen detection methods for the diagnosis of Group B streptococcal sepsis in neonates. Hamoudi AC, et al. **Pediatr Infect Dis** 1983 Nov–Dec; 2(6):432–5

The Vwa+ virulence factor of yersiniae: the molecular basis of the attendant nutritional requirement for Ca++. Brubaker RR. **Rev Infect Dis** 1983 Sep–Oct;5 Suppl 4:S748–58 (44 ref.)

Classification of pathogenic Escherichia coli according to serotype and the production of virulence factors, with special reference to colonization–factor antigens. Evans DJ Jr, et al. **Rev Infect Dis** 1983 Sep–Oct;5 Suppl 4:S692–701 (82 ref.)

Diagnosis of pneumococcal pneumonia: a comparison between microscopic examination of expectorate, antigen detection and cultural procedures. Kalin M, et al. **Scand J Infect Dis** 1983;15(3):247–55

Antigens of Mycoplasma hominis. Brown MB, et al. **Sex Transm Dis** 1983 Oct–Dec;10(4 Suppl):247–55

A preliminary evaluation of the Gonozyme test. Burns M, et al. **Sex Transm Dis** 1983 Oct–Dec;10(4):180–3

Serological distinction of H antigen between saliva and red cell in forensic practice. Sagisaka K, et al. **Tohoku J Exp Med** 1983 Oct;141(2):211–5

Cross–reactivity between Mycobacterium tuberculosis H37Rv and various actinomycetes and related organisms. Ridell M. **Tubercle** 1983 Sep;64(3):211–6

Detection of bovine enterotoxigenic Escherichia coli possessing a K99 or Att25 adherence antigen by a radial immunodiffusion technique. Lintermans PF, et al. **Vet Rec** 1983 Oct 15;113(16):376

Analysis of spiroplasma proteins: contribution to the taxonomy of group IV spiroplasmas and the characterization of spiroplasma protein antigens. Mouches C, et al. **Yale J Biol Med** 1983 Sep–Dec;56(5–6):431–7

Hemolytic Escherichia coli strains in the human fecal flora as potential urinary pathogens. Hacker J, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 May; 254(3):370–8

Studies of polyarthritis caused by Mycoplasma arthritidis in rats. I. Detection of the persisting Mycoplasma antigen by the enzyme immune assay (EIA) and conventional culture technique. Kirchhoff H, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Mar; 254(1):129–38

Monoclonal antibodies to Legionella pneumophila serogroup 1: possible applications in diagnostic tests and epidemiologic studies. McKinney RM, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Jul;255(1):91–5

Status of serologic tests for Legionella antigen and antibody at the Centers for Disease Control. Wilkinson HW. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Jul;255(1):3–7

[Erythrocyte antigen for the rapid intravital diagnosis of fowl typhoid and pullorum disease] Giurov B, et al. **Vet Med Nauki** 1983;20(9):18–24 (Eng. Abstr.) **(Bul)**

[Passive hemagglutination test with capsular and somatic antigens of Pasteurella multocida strains isolated from birds] Iurukov M, et al. **Vet Med Nauki** 1983;20(8):85–92 (Eng. Abstr.) **(Bul)**

[Effect of heavy metals and pesticides on the antigenic behavior of mastitis staphylococci isolated from cows and sheep] Karadzhov Ia, et al. **Vet Med Nauki** 1983;20(8):81–4 (Eng. Abstr.) **(Bul)**

[A preliminary study on the application of SpA–Enz–IgG conjugate to the diagnosis of meningitis] Li JZ. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1983 Oct; 4(5):301–4 (Eng. Abstr.) **(Chi)**

[New antigenic assessment of Neisseria meningitidis—non–capsular antigens (serotypes). II. Incidence of serotypes in strains of N. meningitidis isolated in Czechoslovakia 1975–1981 from patients with meningitis] Kuzemenská R. **Cesk Epidemiol Mikrobiol Imunol** 1983 Nov;32(6):313–9 **(Cze)**

[Serodiagnosis of whooping cough] Nagel J, et al. **Ned Tijdschr Geneeskd** 1984 Jul 28;128(30):1427–9 **(Dut)**

[New antigenic factors, O (O23) and H (H26), of Serratia marcescens] Le Minor S, et al. **Ann Microbiol (Paris)** 1983 Nov–Dec;134B(3):447–9 (Eng. Abstr.) **(Fre)**

[Soluble pneumococcal antigens in the diagnosis of pneumococcal infections] Bonmarchand G, et al. **LARC Med** 1984 May;4(5):281–3 (Eng. Abstr.) **(Fre)**

[Serologic studies on the antigen structure of Bordetella avium sp. nov.] Hertle A, et al. **Berl Munch Tierarztl Wochenschr** 1984 Feb 1;97(2):58–60 (Eng. Abstr.) **(Ger)**

[Enzyme–linked immunosorbent assay (ELISA) for the detection of Mycoplasma pneumoniae antigens] Helbig JH, et al. **Z Gesamte Hyg** 1984 Feb;30(2):106–7 (Eng. Abstr.) **(Ger)**

[Relation between the O:K:H serotype and the fimbria antigen in E. coli of urinary tract infections] Nimmich W, et al. **Z Urol Nephrol** 1984 Jun;77(6):343–9 (Eng. Abstr.) **(Ger)**

[The study of K99 antigen of Escherichia coli by electron microscope and immunofluorescence] Valente C, et al. **Ann Sclavo** 1982 Nov–Dec;24(6):620–9 (Eng. Abstr.) **(Ita)**

[Pathogenesis of ankylosing spondylitis: relation between HLA–B 27 and Klebsiella aerogenes] Giordano N, et al. **Boll Soc Ital Biol Sper** 1983 Dec 30;59(12):1995–2001 (Eng. Abstr.) **(Ita)**

[Serological identification of slowly growing mycobacteria with anti–alpha antibody. Specificity of alpha antigen in Mycobacterium avium–M. intracellulare complex and Mycobacterium kansasii] Tasaka H, et al. **Kekkaku** 1983 Dec;58(12):631–43 (Eng. Abstr.) **(Jpn)**

[Behçet's disease and streptococcal infection. Measurement of Streptococcus derivative antigen] Namba K, et al. **Nippon Ganka Gakkai Zasshi** 1983;87(11):1112–20 (Eng. Abstr.) **(Jpn)**

[Usefulness of the agar precipitation test for the determination of the antigenic properties of Mycoplasma gallisepticum. I. Double diffusion test in agar gel] Stępkowski S, et al. **Pol Arch Weter** 1983;23(4):113–21 (Eng. Abstr.) **(Pol)**

[Molecular structure of the O–specific polysaccharide of Pseudomonas aeruginosa] Kochetkov NK, et al. **Dokl Akad Nauk SSSR** 1983;271(5):1139–43 **(Rus)**

[Determination of Mycoplasma pneumoniae antigens, free and bound to immune complexes, in patients with acute respiratory diseases] Gorina LG, et al. **Lab Delo** 1983; (11):8–10 (Eng. Abstr.) **(Rus)**

[Modified counterimmunoelectrophoretic method for the simultaneous study of glanders and melioidosis antigens and antibodies] Kaleĭ GM, et al. **Lab Delo** 1983;(12):41–3 (Eng. Abstr.) **(Rus)**

[Detection of a specific plague microbe antigen (fraction I) by the method of radioimmunological analysis] Lesovoĭ VS, et al. **Lab Delo** 1984;(3):185–6 **(Rus)**

[Clinico–diagnostic significance of specific antigenemia in acute dysentery] Abdurakhmanova EG, et al. **Sov Med** 1984;(5):114–6 **(Rus)**

[Comparative study of the L–antigen content in strains of the gonococcus] Shevchenko NM. **Vestn Dermatol Venerol** 1984 Jul;(7):25–7 (Eng. Abstr.) **(Rus)**

[A new antigenic variety of Shigella flexneri] Zhavoronkov VA, et al. **Voen Med Zh** 1983 Jul;(7):45–6 **(Rus)**

[Identification of cell structure antigens of the causative agent of melioidosis by a 2–dimensional immunoelectrophoresis method] Alekseev VV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Jan;(1):62–5 (Eng. Abstr.) **(Rus)**

[Escherichia coli with the K1 antigen isolated in pyelonephritis in children] Golubeva IV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 May;(5):50–2 (Eng. Abstr.) **(Rus)**

[Free and bound antigen of Streptococcus group A L forms and the circulating immune complex level of erysipelas patients] Gorina LG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Sep;(9):106–9 (Eng. Abstr.) **(Rus)**

[Detection of Bordetella bronchiseptica strains containing the main agglutinogens of all species of the genus Bordetella] Khramova NI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Jun;(6):35–41 (Eng. Abstr.) **(Rus)**

[The nature of changes in the antigenic spectrum of the causative agent of melioidosis during animal passage] Peters MK, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Aug; (8):47–50 (Eng. Abstr.) **(Rus)**

[Use of a method of immunoradiometric analysis for determining rickettsial antigens in cell cultures and chick embryos] Prozorovskiĭ SV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Feb;(2):79–82 (Eng. Abstr.) **(Rus)**

[Partial antigenic structure of group H10 flagellins in Escherichia coli and its genetic determination] Ratiner IuA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Nov; (11):21–6 (Eng. Abstr.) **(Rus)**

[Diagnostic test system for the quantitative determination of

Shigella antigens in patient blood by an immunoenzyme analytical method] Shabalina SV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Nov;(11):64–7 (Eng. Abstr.) **(Rus)**

[Immunoelectrophoretic analysis of the antigenic composition of Salmonella typhi in the process of L transformation and reversion] Stepanova LK, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Oct;(10):29–32 (Eng. Abstr.) **(Rus)**

[Quantitative determination of the soluble antigens of intestinal bacteria using a method of immunoenzyme analysis. I. Processing of the parameters of the method] Tregub AV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Sep;(9):110–3 (Eng. Abstr.) **(Rus)**

[Use of an immunoenzyme method on a solid-phase carrier for determining the tularemia antigen] Umnova NS, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 May;(5):88–92 (Eng. Abstr.) **(Rus)**

[Localization of antigen F-1 of Yersinia pestis EV by an immunoferritin method] Zolotarev AG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Jul;(7):62–4 (Eng. Abstr.) **(Rus)**

[New microbiological technics (editorial)] Montiel F. **Rev Med Chil** 1983 Nov;111(11):1199–200 **(Spa)**

BIOSYNTHESIS

O-antigens, K-antigens and production of enterotoxin in Escherichia coli-strains isolated from litter mate piglets with neonatal diarrhea. Djønne BK, et al. **Acta Vet Scand** 1983;24(3):325–7

Biosynthesis of the 09 antigen of Escherichia coli. Core structure of rfe mutant as indication of assembly mechanism. Weisgerber C, et al. **Eur J Biochem** 1984 May 2;140(3):553–6

Production of K88, K99, and 987P antigens by Escherichia coli cultured on synthetic and complex media. Francis DH, et al. **J Clin Microbiol** 1982 Jan;15(1):181–3

CEREBROSPINAL FLUID

A sensitive and specific method for diagnosis of tubercular meningitis. Samuel AM, et al. **Indian J Med Res** 1983 May; 77:752–7

Enzyme-linked immunosorbent assay with a monoclonal antibody for detecting group A meningococcal antigens in cerebrospinal fluid. Sugasawara RJ, et al. **J Clin Microbiol** 1984 Feb;19(2):230–4

Counterimmunoelectrophoresis for the detection of bacterial antigens in cerebrospinal fluid [letter] Cookson B, et al. **J Clin Pathol** 1984 Aug;37(8):956

[Value of research on bacterial antigens by counterimmunoelectrophoresis in pneumococcal meningitis] Marini F, et al. **Ann Sclavo** 1982 Nov–Dec; 24(6):596–604 (Eng. Abstr.) **(Ita)**

CHEMICAL SYNTHESIS

Mercury iodide as a catalyst in oligosaccharide synthesis. Bock K, et al. **Acta Chem Scand [B]** 1983;37(9):775–83

CLASSIFICATION

Determination of the O-serovars of Pseudomonas aeruginosa by slide coagglutination. Ansorg R, et al. **Eur J Clin Microbiol** 1984 Jun;3(3):190–4

Proposed revision of the Wauters et al. antigenic scheme for serotyping of Yersinia enterocolitica. Aleksić S, et al. **J Clin Microbiol** 1984 Jul;20(1):99–102

Identification of group C streptococcal antigen extracts with lectin-bound polystyrene particles. Slifkin M, et al. **J Clin Microbiol** 1984 Jan;19(1):83–4

Opsonic and antibody responses to pneumococcal polysaccharide types 6A, 19F and 23F after vaccination of immunocompromised patients. Braconier JH, et al. **Scand J Infect Dis** 1984;16(2):161–7

Species- and genus-specific antigens in Leptospira, revealed by monoclonal antibodies and enzyme immunoassay. Adler B, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Sep; 255(2–3):317–22

[Serological typing of the somatic antigens of Pasteurella multocida strains isolated from poultry and mammals] Fan HD. **Vet Med Nauki** 1984;21(3):36–40 (Eng. Abstr.) **(Bul)**

DIAGNOSTIC USE

[Prediction of infectious complications in surgical patients] Kolesov AP, et al. **Vestn Khir** 1984 Feb;132(2):3–6 (Eng. Abstr.) **(Rus)**

GENETICS

Biosynthesis of the 09 antigen of Escherichia coli. Core structure of rfe mutant as indication of assembly mechanism. Weisgerber C, et al. **Eur J Biochem** 1984 May 2;140(3):553–6

Cloning and expression of Legionella pneumophila antigens in Escherichia coli. Engleberg NC, et al. **Infect Immun** 1984 May;44(2):222–7

Mechanism of bacterial resistance to complement-mediated killing: inserted C5b-9 correlates with killing for Escherichia coli O111B4 varying in O-antigen capsule and O-polysaccharide coverage of lipid A core oligosaccharide. Joiner KA, et al. **Infect Immun** 1984 Jul; 45(1):113–7

Cloning and expression of Treponema pallidum (Nichols) antigen genes in Escherichia coli. Norgard MV, et al. **Infect Immun** 1983 Nov;42(2):435–45

Specific surface antigens of SmT variants of Mycobacterium avium. Thorel MF, et al. **Infect Immun** 1984 Jan;43(1):438–9

Molecular cloning and expression of Treponema pallidum DNA in Escherichia coli K-12. van Embden JD, et al. **Infect Immun** 1983 Oct;42(1):187–96

A small plasmid in Shigella dysenteriae 1 specifies one or more functions essential for O antigen production and bacterial virulence. Watanabe H, et al. **Infect Immun** 1984 Jan;43(1):391–6

Biosynthetic capacity for type-specific antigen synthesis determines the virulence of serotype III strains of group B streptococci. Yeung MK, et al. **Infect Immun** 1984 May; 44(2):217–21

Genetic and molecular analyses of Escherichia coli K1 antigen genes. Silver RP, et al. **J Bacteriol** 1984 Feb; 157(2):568–75

Expression of plasmids coding for colonization factor antigen II (CFA/II) and enterotoxin production in Escherichia coli. Mullany P, et al. **J Gen Microbiol** 1983 Dec;129 (Pt 12):3591–601

Small DNA deletions creating avirulence in Streptococcus pyogenes. Spanier JG, et al. **Science** 1984 Aug 31; 225(4665):935–8

[Physicochemical properties of the pKMR plasmids controlling antibiotic resistance and the capacity to produce colonization antigen] Dorokhina OV, et al. **Antibiotiki** 1984 Jan;29(1):24–8 (Eng. Abstr.) **(Rus)**

[Detection and characterization of the plasmids of the plague microbe which determine the synthesis of pesticin I, fraction I antigen and 'mouse' toxin exotoxin] Protsenko OA, et al. **Genetika (Moskva)** 1983 Jul;19(7):1081–90 (Eng. Abstr.) **(Rus)**

[Mapping of the genetic determinant controlling Salmonella K-antigen synthesis. I. Localization of the determinant in conjugation experiments] Tarutina ZE, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Dec;(12):27–30 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Antibodies to Escherichia coli O antigens and the in-vitro bacteriostatic properties of human milk and its IgA. Dolby JM, et al. **Acta Paediatr Scand** 1983 Jul;72(4):577–82

Some factors influencing the immunological adjuvant effect of Bordetella bronchiseptica on the immune response to tetanus toxoid. Magyar T, et al. **Acta Vet Hung** 1983; 31(1–3):37–42

The value of skin test in Q fever convalescents and vaccinees as indicator of antigen exposure and inducer of antibody recall. Kazár J, et al. **Acta Virol (Praha)** 1984 Mar; 28(2):134–40

Studies of the antigenic structure of Coxiella burnetii. Urvölgyi J, et al. **Acta Virol (Praha)** 1983 May;27(3):263–7

Bronchospasm mechanisms in experimental microbial sensitization. II. Pathochemical stage. Belyaev NN, et al. **Allergol Immunopathol (Madr)** 1984 May–Jun;12(3):173–7

Rheumatic fever and the streptococcus. Another look at molecular mimicry. Williams RC Jr. **Am J Med** 1983 Nov; 75(5):727–30

Hemolysis in gel test for detection of bovine antibodies to Brucella abortus: comparison of antigens and test modifications. Dillender MJ, et al. **Am J Vet Res** 1984 Jun; 45(6):1222–4

MPB70, a unique antigen of Mycobacterium bovis BCG. Harboe M, et al. **Am Rev Respir Dis** 1984 Mar; 129(3):444–52

A monoclonal antibody against Mycobacterium lepraemurium which recognizes a cross-reacting mycobacterial antigen. Bach MA, et al. **Ann Immunol (Paris)** 1983 May–Jun;134C(3):301–9

Grouping of haemolytic streptococci by monoclonal antibodies: determinant specificity, cross-reactivity and affinity. Herbst H, et al. **Ann Immunol (Paris)** 1983 Nov–Dec;134D(3):349–71

Comparison of antigenicity of toxins produced by Clostridium botulinum type C and D strains. Ochanda JO, et al. **Appl Environ Microbiol** 1984 Jun;47(6):1319–22

Arthus and delayed type of hypersensitivity to Pseudomonas aeruginosa antigens in mouse. Maresz-Babczyszyn J, et al. **Arch Immunol Ther Exp (Warsz)** 1983;31(2):217–30

Antigenic hemagglutination inhibition test in examining of the culture supernatants of Clostridium botulinum types A, B, E, and F and some related bacterial species. Reiss J, et al. **Arch Immunol Ther Exp (Warsz)** 1983;31(4):531–9

Correlation between intestinal immune response to colonization factor antigen I (CFA/I) and acquired resistance to enterotoxigenic Escherichia coli diarrhea in an adult rabbit model. de la Cabada FJ, et al. **Arch Invest Med (Mex)** 1983 Oct–Dec;14(4):407–21 **(Eng, Spa)**

Natural antibodies in man to a protein antigen from the bacterium Streptococcus mutans related to dental caries experience. Challacombe SJ, et al. **Arch Oral Biol** 1984; 29(3):179–84

Immunochemical comparison of cell-wall antigens of various viridans streptococci, including strain 2A2+3 hot from recurrent oral aphthous ulceration in man. Hoover CI, et al. **Arch Oral Biol** 1983;28(10):917–22

Evaluation of surface components of Brucella ovis as antigens for the detection of precipitin antibody in serums from artificially exposed rams. Chin JC, et al. **Aust Vet J** 1983 Sep;60(9):264–7

In vitro cytotoxicity of an Alcaligenes faecalis and its relationship in in vivo tracheal pathologic changes in turkeys. Gray JG, et al. **Avian Dis** 1983 Oct–Dec; 27(4):1142–50

Antibody responses elicited by a polyvalent vaccine containing synthetic diphtheric, streptococcal and hepatitis peptides coupled to the same carrier. Chedid L, et al. **Biochem Biophys Res Commun** 1983 Dec 28;117(3):908–15

Antibodies against cell envelope antigens of Yersinia enterocolitica in reactive arthritis and ankylosing spondylitis. van Bohemen CG, et al. **Br J Rheumatol** 1983 Nov;22(4 Suppl 2):83–4

Serological cross-reactivity of porcine reference antisera to Mycoplasma hyopneumoniae, M. flocculare, M. hyorhinis and M. hyosynoviae indicated by the enzyme-linked immunosorbent assay, complement fixation and indirect hemagglutination tests. Freeman MJ, et al. **Can J Comp Med** 1984 Apr;48(2):202–7

Immunomodulating activity of meningococcal antigens. Sparkes BG. **Can J Microbiol** 1983 Dec;29(12):1611–8

Dual effect of meningococcal antigens on a T cell dependent immune response. Sparkes BG. **Can J Microbiol** 1983 Dec; 29(12):1619–25

Natural cytotoxicity of lymphocytes and monocytes and its augmentation by OK432 in melanoma patients. Yanagawa E, et al. **Cancer Immunol Immunother** 1984;16(3):131–6

Preparation of glycoconjugates for use as artificial antigens: a simplified procedure. Pinto BM, et al. **Carbohydr Res** 1983 Dec 23;124(2):313–8

Parasitism of antigen presenting cells in hyperbacillary leprosy. Poulter LW, et al. **Clin Exp Immunol** 1984 Mar; 55(3):611–7

In vitro stimulation of lymphocytes with an antigen fraction prepared from Mycobacterium leprae and tuberculin PPD in contacts and non-contacts of leprosy patients. Reitan LJ, et al. **Clin Exp Immunol** 1984 Aug;57(2):315–23

HLA-B27 and the immune response to enterobacterial antigens in ankylosing spondylitis. Trull A, et al. **Clin Exp Immunol** 1984 Jan;55(1):74–80

Low T lymphocyte responsiveness to Mycobacterium leprae antigens in association with HLA-DR3. van Eden W, et al. **Clin Exp Immunol** 1984 Jan;55(1):140–8

Antigen induced histamine release from mucosa in nasal polyposis. Baenkler HW, et al. **Clin Otolaryngol** 1983 Aug; 8(4):227–30

Cell mediated immune response of Bufo arenarum and Leptodactylus ocellatus (Amphibia, Anura) to mycobacterial antigens. Fliess EL, et al. **Comp Biochem Physiol [A]** 1984;77(1):157–9

B cell activation in chickens induced by Staphylococcus aureus. Schoof DD, et al. **Dev Comp Immunol** 1984 Spring; 8(2):403–14

Intrinsic asthma and bacterial histamine release. Possible role of bacterial surface lectins. Jensen C, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 2):391–3

Alteration of capsular type of encapsulated strains of Staphylococcus aureus during freeze-drying and storage. Yoshida K, et al. **Experientia** 1984 Jan 15;40(1):93–4

Effects of microflora antigens on lymphocyte migration patterns in germfree and conventional rats. Větvička V, et al. **Folia Biol (Praha)** 1983;29(6):412–8

Idiotypic receptors for soluble antigens on human T lymphocyte clones. Suciu-Foca N, et al. **Hum Immunol** 1984 Jan;9(1):37–47

Inverse modification of antibody responsiveness to RGG in lines of mice selected for high or low responses to somatic antigen of Salmonella. Sant'Anna OA, et al. **Immunogenetics** 1983;18(4):359–64

Strain differences in lung granuloma formation in response to a BCG cell-wall vaccine in mice. Failure of antigen presentation by low-responder macrophages. Kakinuma M, et al. **Immunology** 1983 Nov;50(3):423–31

T cell proliferation in Mycobacterium lepraemurium infection. I. Lack of correlation between antigen-specific proliferation of Lyt 1 + 23- cells and resistance in lethal infections. Mathew RC, et al. **Immunology** 1984 Jan; 51(1):185–92

Opsonization of various capsular (K) E. coli by the alternative complement pathway. Stevens P, et al. **Immunology** 1983 Nov;50(3):497–502

Absence of Mycoplasma pneumoniae cytadsorption protein P1 in Mycoplasma genitalium and Mycoplasma gallisepticum. Baseman JB, et al. **Infect Immun** 1984 Mar; 43(3):1103–5

Circulating immune complexes in experimental syphilis: identification of treponemal antigens and specific antibodies to treponemal antigens in isolated complexes. Baughn RE, et al. **Infect Immun** 1983 Nov;42(2):585–93

Campylobacter jejuni outer membrane proteins are antigenic for humans. Blaser MJ, et al. **Infect Immun** 1984 Mar; 43(3):986–93

Monoclonal antibody that recognizes an outer membrane antigen common to the pathogenic Neisseria species but not to most nonpathogenic Neisseria species. Cannon JG, et al. **Infect Immun** 1984 Mar;43(3):994–9

Immunoelectrophoretic analysis, toxicity, and kinetics of in vitro production of the protective antigen and lethal factor components of Bacillus anthracis toxin. Ezzell JW, et al. **Infect Immun** 1984 Sep;45(3):761–7

Legionella pneumophila-induced blastogenesis of murine

lymphoid cells in vitro. Friedman H, et al. **Infect Immun** 1984 Jan;43(1):314–9

Immunostimulation by Legionella pneumophila antigen preparations in vivo and in vitro. Friedman H, et al. **Infect Immun** 1984 Jan;43(1):347–52

Monoclonal antibodies to immunodeterminants of lipoteichoic acids. Jackson DE, et al. **Infect Immun** 1984 Mar;43(3):800–3

A macromolecular structure produced by Pseudomonas aeruginosa is recognized by antibody to exotoxin A. Klinger KW, et al. **Infect Immun** 1984 Mar;43(3):912–9

Immunogenicity of Pseudomonas aeruginosa outer membrane antigens examined by crossed immunoelectrophoresis. Lam JS, et al. **Infect Immun** 1983 Oct;42(1):88–98

Common and isolate-restricted antigens of Anaplasma marginale detected with monoclonal antibodies. McGuire TC, et al. **Infect Immun** 1984 Sep;45(3):697–700

Activation of murine B lymphocytes by Neisseria meningitidis and isolated meningococcal surface antigens. Melancon J, et al. **Infect Immun** 1983 Nov;42(2):471–9

Molecular analysis of immunoglobulins M and G immune response to protein antigens of Treponema pallidum in human syphilis. Moskophidis M, et al. **Infect Immun** 1984 Jan;43(1):127–32

Role of the capsule and the O antigen in resistance of O18:K1 Escherichia coli to complement-mediated killing. Pluschke G, et al. **Infect Immun** 1983 Dec;42(3):907–13

Degree of antibody-independent activation of the classical complement pathway by K1 Escherichia coli differs with O antigen type and correlates with virulence of meningitis in newborns. Pluschke G, et al. **Infect Immun** 1984 Feb; 43(2):684–92

Antigen from Francisella tularensis: nonidentity between determinants participating in cell-mediated and humoral reactions. Sandström G, et al. **Infect Immun** 1984 Jul; 45(1):101–6

Phosphorylcholine determinants in six pneumococcal capsular polysaccharides detected by monoclonal antibody. Sørensen UB, et al. **Infect Immun** 1984 Mar;43(3):876–8

Mapping of the antigenic determinants of Pseudomonas aeruginosa PAK polar pili. Watts TH, et al. **Infect Immun** 1983 Oct;42(1):113–21

Immune response to porin in cattle immunized with whole cell, outer membrane, and outer membrane protein antigens of Brucella abortus combined with trehalose dimycolate and muramyl dipeptide adjuvants. Winter AJ, et al. **Infect Immun** 1983 Dec;42(3):1159–67

Fernandez and Mitsuda reactivity in guinea pigs sensitized with heat-killed Mycobacterium leprae: persistence and specificity of skin reactivity to soluble and particulate antigens. Collins FM, et al. **Int J Lepr** 1983 Dec;51(4):481–9

Effect of treatment on antibody activity against Mycobacterium leprae antigen 7 in tuberculoid leprosy. Dahle JS, et al. **Int J Lepr** 1983 Sep;51(3):312–20

Repeating covalent structure and protective immunogenicity of native and synthetic polypeptide fragments of type 24 streptococcal M protein. Mapping of protective and nonprotective epitopes with monoclonal antibodies. Beachey EH, et al. **J Biol Chem** 1983 Nov 10; 258(21):13250–7

Human immune responses to oral microorganisms. II. Serum antibody responses to antigens from Actinobacillus actinomycetemcomitans and the correlation with localized juvenile periodontitis. Ebersole JL, et al. **J Clin Immunol** 1983 Oct;3(4):321–31

Depression of the lymphocyte transformation response to microbial antigens and to phytohemagglutinin during pregnancy. Brunham RC, et al. **J Clin Invest** 1983 Nov; 72(5):1629–38

Development of an enzyme-linked immunosorbent assay for studying Pseudomonas aeruginosa cell surface antigens. Borowski RS, et al. **J Clin Microbiol** 1984 Jun;19(6):736–41

Impaired response of lymphocytes from non-insulin-dependent diabetics to staphage lysate and tetanus antigen. Casey J, et al. **J Clin Microbiol** 1982 Jan; 15(1):109–14

Agglutinating antibody titers to members of the family Legionellaceae in cystic fibrosis patients as a result of cross-reacting antibodies to Pseudomonas aeruginosa. Collins MT, et al. **J Clin Microbiol** 1984 Jun;19(6):757–62

Lymphoid cell blastogenesis as an in vitro indicator of cellular immunity to Legionella pneumophila antigens. Friedman F, et al. **J Clin Microbiol** 1984 Jun;19(6):834–7

O and H serotyping of Pseudomonas cepacia. Heidt A, et al. **J Clin Microbiol** 1983 Sep;18(3):738–40

Use of absorbed antisera for demonstration of antigenic variation among strains of Legionella pneumophila serogroup 1. Thomason BM, et al. **J Clin Microbiol** 1984 Jun;19(6):794–7

Monoclonal antibodies against protease-sensitive pneumococcal antigens can protect mice from fatal infection with Streptococcus pneumoniae. McDaniel LS, et al. **J Exp Med** 1984 Aug 1;160(2):386–97

Non-dinitrophenyl-binding immunoglobulin that bears a dominant idiotype (Id460) associated with antidinitrophenyl antibody is specific for an antigen on Pasteurella pneumotropica. Marion TN, et al. **J Exp Med** 1984 Jan 1;159(1):221–33

Establishment of an inbred line of mice that express a synergistic immune defect precluding in vitro responses to type 1 and type 2 antigens, B cell mitogens, and a number of T cell-derived helper factors. Mond JJ, et al. **J Exp Med** 1983 Nov 1;158(5):1401–14

Common protective antigens of group A streptococcal M proteins masked by fibrinogen. Whitnack E, et al. **J Exp Med** 1984 Apr 1;159(4):1201–12

Surface antigens of gonococci: correlation with virulence and serum resistance. Demarco de Hormaeche R, et al. **J Gen Microbiol** 1983 May;129 (Pt 5):1559–67

Comparison of cell surface antigen extracts from two serotypes of Pasteurella haemolytica. Donachie W, et al. **J Gen Microbiol** 1984 May;130 (Pt 5):1209–16

The role of common and type-specific pilus antigenic domains in adhesion and virulence of gonococci for human epithelial cells. Virji M, et al. **J Gen Microbiol** 1984 May; 130 (Pt 5):1089–95

The role of the O and K antigens in determining the resistance of Klebsiella aerogenes to serum killing and phagocytosis. Williams P, et al. **J Gen Microbiol** 1983 Jul; 129 (Pt 7):2181–91

Two unlinked genetic loci interact to control the human immune response to type III group B streptococcal antigen. Pandey JP, et al. **J Immunogenet** 1984 Apr;11(2):159–63

The handling of Listeria monocytogenes by macrophages: the search for an immunogenic molecule in antigen presentation. Allen PM, et al. **J Immunol** 1984 Jan; 132(1):323–31

Monoclonal antibodies to Salmonella lipopolysaccharide: anti-O-polysaccharide antibodies protect C3H mice against challenge with virulent Salmonella typhimurium. Colwell DE, et al. **J Immunol** 1984 Aug;133(2):950–7

Monoclonal antibodies demonstrate multiple epitopes on the O antigens of Salmonella typhimurium LPS. Elkins K, et al. **J Immunol** 1984 Oct;133(4):2255–60

Generalized systemic and mucosal immunity in mice after mucosal stimulation with cholera toxin. Elson CO, et al. **J Immunol** 1984 Jun;132(6):2736–41

A comparison of the stimulatory activities of lymphoid dendritic cells and macrophages in T proliferative responses to various antigens. Guidos C, et al. **J Immunol** 1984 Sep;133(3):1179–84

Humoral immune response in experimental syphilis to polypeptides of Treponema pallidum. Hanff PA, et al. **J Immunol** 1983 Oct;131(4):1973–7

A rabbit helper T cell clone reactive against group-specific streptococcal carbohydrate. Jackson S, et al. **J Immunol** 1984 Sep;133(3):1553–7

A quantitative analysis of C3 binding to O-antigen capsule, lipopolysaccharide, and outer membrane protein of E. coli 0111B4. Joiner KA, et al. **J Immunol** 1984 Jan; 132(1):369–75

Nonspecific immunoglobulin synthesis and elevated IgG levels in rabbits immunized with mucoid exopolysaccharide from cystic fibrosis isolates of Pseudomonas aeruginosa. Pier GB, et al. **J Immunol** 1984 Aug;133(2):734–9

Serology and tissue lesions in rabbits immunized with Streptococcus mutans. Stinson MW, et al. **J Immunol** 1983 Dec;131(6):3021–7

Roles of V antigen in promoting virulence and immunity in yersiniae. Une T, et al. **J Immunol** 1984 Oct; 133(4):2226–30

Use of a zwitterionic detergent for the restoration of the antibody-binding capacity of electroblotted meningococcal outer membrane proteins. Mandrell RE, et al. **J Immunol Methods** 1984 Feb 24;67(1):1–11

Cascade immunization: a method of obtaining polyspecific antisera against crude fractions of antigens. Thalhamer J, et al. **J Immunol Methods** 1984 Feb 10;66(2):245–51

Prophylactic significance of the nonlipopolysaccharide antigens of Vibrio cholerae. Attridge SR, et al. **J Infect Dis** 1983 Nov;148(5):931–9

Serodiagnosis of Rocky Mountain spotted fever: comparison of IgM and IgG enzyme-linked immunosorbent assays and indirect fluorescent antibody test. Clements ML, et al. **J Infect Dis** 1983 Nov;148(5):876–80

Suppression of cellular reactivity to group A streptococcal antigens in patients with acute poststreptococcal glomerulonephritis. Reid HF, et al. **J Infect Dis** 1984 Jun; 149(6):841–50

Safety and antigenicity of typhoid-Shigella sonnei vaccine (strain 5076-1C). Tramont EC, et al. **J Infect Dis** 1984 Feb;149(2):133–6

Humans respond predominantly with IgM immunoglobulin to the species-specific glycolipid of Mycobacterium leprae. Young DB, et al. **J Infect Dis** 1984 Jun;149(6):870–3

Association between Bordetella pertussis agglutinogen 2 and fimbriae. Carter EJ, et al. **J Med Microbiol** 1984 Aug; 18(1):87–94

M-associated protein antibodies in patients with rheumatic fever. Martin DR, et al. **J Med Microbiol** 1984 Apr; 17(2):189–99

The role of different K antigens of Escherichia coli in phagocytosis by polymorphonuclear leukocytes. Verweij-Van Vught AM, et al. **J Med Microbiol** 1984 Apr; 17(2):141–50

Lymphocyte transformation responses to gram negative bacteria after Yersinia and Salmonella infection: the importance of enterobacterial common antigen for the response. Vuento R, et al. **J Rheumatol** 1984 Jun; 11(3):369–72

Serological studies on Vibrio fluvialis. Shimada T, et al. **Jpn J Med Sci Biol** 1983 Dec;36(6):315–23

Skin test activity of an antigen fraction prepared from Mycobacterium leprae compared with standard lepromin and tuberculin PPD in leprosy patients. Reitan LJ, et al. **Lepr Rev** 1984 Mar;55(1):33–40

Effects of Mycobacterium leprae antigens on the in vitro responsiveness of mononuclear cells from armadillos to concanavalin-A. Shannon EJ, et al. **Lepr Rev** 1984 Mar; 55(1):19–31

Skin reactions to selected antigens in patients with leprosy. Massalski W, et al. **Mater Med Pol** 1982 Jan-Dec; 14(1-2):11–4

A Streptococcus mutans immunogen that reacts equally with S. mutans antibody of all serotypes. Everhart DL, et al. **Med Microbiol Immunol (Berl)** 1984;172(4):215–22

Augmentation of mouse natural killer cell activity by Lactobacillus casei and its surface antigens. Kato I, et al. **Microbiol Immunol** 1984;28(2):209–17

Cytotoxicity and calcium-dependent antigen of Yersinia. Okamoto K, et al. **Microbiol Immunol** 1984;28(1):33–49

Agglutinogens, White's 'Q' substance and the common proteins of Enterobacteriaceae. Barber C. **Microbios** 1984; 41(160):79–86

The Escherichia coli K1 capsule shares antigenic determinants with the human gangliosides GM3 and GD3 [letter] Söderström T, et al. **N Engl J Med** 1984 Mar 15; 310(11):726–7

Lymphocyte suppression in leprosy induced by unique M. leprae glycolipid. Mehra V, et al. **Nature** 1984 Mar 8–14; 308(5955):194–6

Human IgG antibodies to carbohydrate and protein antigens in mouse protection tests with group B streptococci. Christensen KK, et al. **Pediatr Res** 1984 May;18(5):478–82

Epitope-specific protective immunogenicity of chemically synthesized 13-, 18-, and 23-residue peptide fragments of streptococcal M protein. Beachey EH, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(7):2203–7

Dissecting the antigenic mosaic of the Archaebacterium Methanobacterium thermoautotrophicum by monoclonal antibodies of defined molecular specificity. Conway de Macario E, et al. **Proc Natl Acad Sci USA** 1983 Oct; 80(20):6346–50

Immunisation of goats against contagious caprine pleuropneumonia using sonicated antigens of F-38 strain of mycoplasma. Rurangirwa FR, et al. **Res Vet Sci** 1984 Mar;36(2):174–6

Does trypsin extract soluble antigen meet the criteria of immunogenicity without allergenicity? Smith DW, et al. **Tubercle** 1984 Jun;65(2):105–10

The use of a brucella protein antigen in dermal hypersensitivity as an adjunct method to diagnose bovine brucellosis. Nicoletti P. **Vet Immunol Immunopathol** 1983 Nov;5(1):27–31

Antigenic cross-reactions between Mycoplasma arthritidis and rat tissues. Kirchhoff H, et al. **Vet Microbiol** 1984 Jul; 9(3):237–48

Serologic comparisons of 4 Anaplasma isolates as measured by the complement-fixation test. Kuttler KL, et al. **Vet Microbiol** 1984 Apr;9(2):181–6

Immunogenicity of a soluble antigen against Pasteurella haemolytica-associated pneumonia in calves. Matsumoto M, et al. **Vet Res Commun** 1984 May;8(2):117–30

Monoclonal antibodies to Mycoplasma hyorhinis surface antigens: tools for analyzing mycoplasma-lymphoid cell interactions. Wise KS, et al. **Yale J Biol Med** 1983 Sep-Dec;56(5-6):623–9

Immobilization of E. coli cell as an antigen by radiation polymerization method. Kaetsu I, et al. **Z Naturforsch [C]** 1983 Sep-Oct;38(9-10):812–4

Experience with heat-killed antigens of L. longbeachae serogroups 1 and 2, and L. jordanis in the indirect fluorescence antibody test. Fallon RJ, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Jul;255(1):8–14

Passive protection of NMRI mice against Serratia marcescens: comparative efficacy of commercial human IgG immunoglobulin preparations and rabbit anti-O, -H, -K, -life cell and -protease immune sera. Traub WH. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Jul; 254(4):480–8

Antigenic analysis of Barber's protein antigen prepared from Salmonella typhi and demonstration of protein-specific antibodies in sera of typhoid patients. Tsang RS, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Apr; 254(2):244–52

Antigens and toxic components of Legionella in pathogenesis and immunity. Wong KH, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Jul; 255(1):132–7

[Immunological mechanism of a chemical antigen of Brucella M104] Lu XZ. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1983 Jun; 4(3):153–6 (Eng. Abstr.) **(Chi)**

[Serological studies of Flavobacterium farinofermentans nov. sp.—anti-O serotyping and distribution] Bai JY. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1983 May; 17(3):138–40 (Eng. Abstr.) **(Chi)**

[Negative results of a randomized therapeutic trial of nonspecific immunotherapy in primary, surgically-treated non-small cell bronchial cancer] Decroix G, et al. **Rev Mal Respir** 1984;1(1):25–30 (Eng. Abstr.) **(Fre)**

[Asthma and bacterial infections] Girard JP, et al. **Schweiz Med Wochenschr** 1984 Jun 23;114(25):890–2 (Eng. Abstr.) **(Fre)**

[Primary and secondary antibody reaction in acute radiation syndrome in the calf following parenteral and oral

immunization with Salmonella antigen] Koch F, et al. **Arch Exp Veterinarmed** 1984 Jan;38(1):92–100 (Eng. Abstr.) (Ger)

[The macrophage adherence inhibition test in Wistar rats bearing Jensen tumors. II. Macrophage adherence inhibition test after intravenous administration of spores of the CNRZ 528 strain of Clostridium butyricum and incubation with clostridial antigens] Neumeister B, et al. **Arch Geschwulstforsch** 1984;54(1):25–32 (Eng. Abstr.) (Ger)

[Etiology of atrophic rhinitis (a.r.) in swine. 4. Serological cross–test with 10 Bordetella bronchiseptica strains and 161 field sera] Ferstl T, et al. **DTW** 1983 Jul 6;90(7):279–82 (Eng. Abstr.) (Ger)

[Comparison of the ELISA (lipopolysaccharide) and Widal reactions (O antigen) in the diagnosis of Salmonella infections] Hirschl A, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Sep; 255(2–3):247–57 (Eng. Abstr.) (Ger)

[Immune response of the biliary tract of rabbits vaccinated orally with inactivated bacterial antigens] Negretti F, et al. **Farmaco [Prat]** 1984 Aug;39(8):253–9 (Eng. Abstr.) (Ita)

[Immune response of the lower urinary tract in rabbits vaccinated orally with inactivated bacterial antigens] Negretti F, et al. **Farmaco [Prat]** 1984 Aug;39(8):260–6 (Eng. Abstr.) (Ita)

[Antigenic relationship between the chemically–induced mouse bladder tumor and Corynebacterium parvum] Fujioka T. **Nippon Hinyokika Gakkai Zasshi** 1983 Apr; 74(4):560–5 (Eng. Abstr.) (Jpn)

[Studies on the measurement of antibody against an extracellular protein associated with nephritogenic streptococci by using the enzyme–linked immunosorbent assay (ELISA)] Quan JW, et al. **Nippon Ika Daigaku Zasshi** 1984 Jun;51(3):339–45 (Eng. Abstr.) (Jpn)

[Serological response of rabbits to low doses of Mycoplasma antigen] Kałużewski S, et al. **Med Dosw Mikrobiol** 1983; 35(3–4):223–33 (Eng. Abstr.) (Pol)

[The Mitsuda reaction and its antigen, good subjects for a bibliography] Michalany J, et al. **Hansenol Int** 1983 Dec; 8(2):140–7 (Eng. Abstr.) (Por)

[Incompatibility properties of pKMR plasmids determining antibiotic resistance and the capacity to produce colonization antigen] Dorokhina OV, et al. **Antibiotiki** 1984 Feb;29(2):91–5 (Eng. Abstr.) (Rus)

[Effect of vibration on the immune response induced by thymus–dependent and thymus–independent antigens] Iudina LE, et al. **Gig Tr Prof Zabol** 1983 Jul;(7):44–5 (Rus)

[Comparative determination of lymphocyte functional activity and serum O–antibody titers in acute dysentery patients] Bunin KV, et al. **Klin Med (Mosk)** 1984 Feb; 62(2):50–3 (Eng. Abstr.) (Rus)

[The direct basophil test with actinolysate in the diagnosis of maxillofacial actinomycosis] Ado VA, et al. **Lab Delo** 1984;(6):341–3 (Eng. Abstr.) (Rus)

[Genetic control of phenotypic correction of cellular immunologic response to Salmonella typhimurium H–antigen] Nasyrov AA, et al. **Patol Fiziol Eksp Ter** 1983 Jul–Aug;(4):32–4 (Eng. Abstr.) (Rus)

[Antibodies to Bacteroides antigens in the blood serum] Tyshko AG, et al. **Vrach Delo** 1984 Feb;(2):111–2 (Rus)

[Metabolic transformation affected by specific Salmonella O antigen in the lymphocytes of salmonellosis patients] Bunin KV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 May; (5):77–9 (Eng. Abstr.) (Rus)

[Choleragen–anatoxin chemical cholera vaccine enriched with Ogawa O–antigen] Dzhaparidze MN, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Apr;(4):70–4 (Eng. Abstr.) (Rus)

[Experimental study of the immunogenicity of a monopreparation of Klebsiella pneumoniae antigen complex and its association with Staphylococcus, Proteus and Escherichia coli antigens] Egorova NB, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Jan;(1):35–8 (Eng. Abstr.) (Rus)

[Significance of the indices of the metabolic and immunological reorganization of lymphocytes stimulated by a specific O–antigen in acute dysentery patients] Kosiakova NI. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Apr;(4):87–9 (Eng. Abstr.) (Rus)

[Immunogenicity of a vaccine made from soluble Proteus antigens] Levina LA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Nov;(11):78–83 (Eng. Abstr.) (Rus)

[Evaluation of the indices of humoral and cellular immunity induced in mice of various genotypes by pertussis antigens] Moskalenko EP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Nov;(11):89–92 (Eng. Abstr.) (Rus)

[Dynamics of enterobacterial multiplication in a mouse model of intraperitoneal infection in the presence of iron cations as dependent on the availability and type of K antigens] Petrovskaia VG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Sep;(9):53–60 (Eng. Abstr.) (Rus)

[Stimulation of lymphokine formation as an index of reactivity to bacterial antigens] Rassanov AP. **Zh Mikrobiol Epidemiol Immunobiol** 1984 May;(5):82–5 (Eng. Abstr.) (Rus)

[Comparative study of the safety, reactogenicity and antigenic activity of chemical and live brucellosis vaccines in a controlled epidemiological trial] Sumarokov AA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Feb;(2):... –63 (Eng. Abstr.) (Rus)

[Characteristics of the antigenic complexes that determine cross reactions between brucellae and Yersinia enterocolitica 09] Zheludkov MM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Sep;(9):28–33 (Eng. Abstr.) (Rus)

[Change in cell–mediated immunity to Mycobacterium leprae and Mycobacterium marinum in Hansen's disease patients] Fliess EL, et al. **Hansenol Int** 1983 Jun;8(1):9–17 (Eng. Abstr.) (Spa)

ISOLATION & PURIFICATION

Isolation of specific peptides from Mycobacterium paratuberculosis protoplasm and their use in an enzyme–linked immunosorbent assay for the detection of paratuberculosis (Johne's disease) in cattle. Abbas B, et al. **Am J Vet Res** 1983 Dec;44(12):2229–36

Preparation of biologically active components of Mycobacterium bovis, using Triton X–100 or potassium chloride. Hall MR, et al. **Am J Vet Res** 1983 Aug; 44(8):1602–4

Isolation of Haemophilus somnus antigens and their use in vaccines for prevention of bovine thromboembolic meningoencephalitis. Stephens LR, et al. **Am J Vet Res** 1984 Feb;45(2):234–9

Isolation, characterization, and specificity of a glycoprotein antigen from Mycobacterium kansasii. Ma Y, et al. **Am Rev Respir Dis** 1983 Dec;128(6):1059–64

The isolation from romanian BCG substrain of non cross reacting antigens to Mycobacterium tuberculosis H37Rv strain. Niculescu D, et al. **Arch Roum Pathol Exp Microbiol** 1983 Apr–Sep; 42(2–3):213–9

The Shigella flexneri O–antigenic polysaccharide chain. Nature of the biological repeating unit. Carlin NI, et al. **Eur J Biochem** 1984 Feb 15;139(1):189–94

Structure of the O–chain of the phenol–phase soluble cellular lipopolysaccharide of Yersinia enterocolitica serotype O:9. Caroff M, et al. **Eur J Biochem** 1984 Feb 15;139(1):195–200

Identification, purification and characterization of a streptococcal protein antigen with a molecular weight of 3800. Giasuddin AS, et al. **Immunology** 1983 Dec; 50(4):651–8

Escherichia coli O18ac antigen: structure of the O–specific polysaccharide moiety. Gupta DS, et al. **Infect Immun** 1984 Jul;45(1):203–9

Characterization of new hydrophobic pili of human enterotoxigenic Escherichia coli: a possible new colonization factor. Honda T, et al. **Infect Immun** 1984 Mar; 43(3):959–65

Purification and immunochemical characterization of Streptococcus sanguis ATCC 10557 serotype II carbohydrate antigen. Koga T, et al. **Infect Immun** 1983 Nov;42(2):696–700

Enterobacterial common antigen–tetanus toxoid conjugate as immunogen. Lugowski C, et al. **Infect Immun** 1983 Dec; 42(3):1086–91

Isolation and some properties of an enterotoxin produced by Bacillus cereus. Thompson NE, et al. **Infect Immun** 1984 Mar;43(3):887–94

Detection of antigens in enzymic lysates of cell wall from Streptococcus mutans strains. Knox KW, et al. **J Dent Res** 1983 Oct;62(10):1033–7

Immunochemical studies of Staphylococcus aureus Oeding–Haukenes antigen a5: a phosphorus–containing polysaccharide. Ndulue AN, et al. **J Gen Microbiol** 1983 Dec;129 (Pt 12):3603–10

Enzyme–linked immunosorbent assay (ELISA) with bacterial sonicate antigen for IgM, IgA, and IgG antibodies to Francisella tularensis: comparison with bacterial agglutination test and ELISA with lipopolysaccharide antigen. Viljanen MK, et al. **J Infect Dis** 1983 Oct; 148(4):715–20

Characterisation of target antigen of cell–mediated immunity in Mycobacterium tuberculosis H37RV. Hattikudur S, et al. **J Med Microbiol** 1984 Aug;18(1):17–25

Immunochemical characteristics of Streptococcus mutans serotype h carbohydrate antigen. Okahashi N, et al. **Microbiol Immunol** 1984;28(4):407–13

Immunochemical studies of a purified antigen from Micropolyspora faeni. Kurup VP, et al. **Mol Immunol** 1984 Mar;21(3):215–21

Colonisation of the small intestine of lambs by an enterotoxigenic Escherichia coli producing F41 fimbriae. Morris JA, et al. **Vet Rec** 1983 Nov 12;113(20):471

Isolation and immunochemical characterization of carbohydrate antigens prepared from group A Streptococcus pyogenes. Hamada S, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Nov; 256(1):37–48

[Our experience in the preparation and use of group–specific chlamydial antigens] Martinov S, et al. **Vet Med Nauki** 1984;21(4):15–25 (Eng. Abstr.) (Bul)

[Purification and serological identification of colonization factor CFAI] Zingler G, et al. **Z Urol Nephrol** 1983 Jul; 76(7):473–80 (Ger)

[Methods of preparing and purifying the capsular antigen and endotoxin of the causative agent of plague] Veinblat VI, et al. **Lab Delo** 1983;(12):37–9 (Rus)

[Simple method of preparing meningococcal antigenic erythrocyte diagnostic agents] Zhebrun AB, et al. **Tr Inst Pastera** 1981;56:74–81 (8 ref.) (Rus)

[Antigenic complexes of Pseudomonas aeruginosa slime: their isolation and biological properties] Aleksandrov AD, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Jan;(1):14–9 (Eng. Abstr.) (Rus)

[Antigen isolation from Rickettsia prowazekii cultured in FL cells and its use in the macrophage migration inhibition reaction] Chereshkova EA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Dec;(12):46–9 (Eng. Abstr.) (Rus)

[Nature of Pseudomonas pseudomallei antigens common to some species of microorganisms] Gontar' IP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Mar;(3):55–7 (Eng. Abstr.) (Rus)

[Surface antigen structure of Neisseria meningitidis. I. The isolation of a serotypic antigenic complex of N. meningitidis strain B16B6 by direct detergent treatment and its immunochemical characteristics] Gorshkova VI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Aug;(8):41–5 (Eng. Abstr.) (Rus)

[Vaccine from soluble antigens for the specific therapy of Proteus infection] Kreinin LS, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Oct;(10):88–92 (Eng. Abstr.) (Rus)

[Precipitation of the antigens of the causative agents of plague, glanders and melioidosis using aqueous saline extracts of various plant species] Loktionov AM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Nov;(11):57–8 (Eng. Abstr.) (Rus)

STANDARDS

Improving the Mycoplasma gallisepticum and M. synoviae antigen yield by readjusting the pH of the growth medium to the original alkaline state. Lin MY, et al. **Avian Dis** 1984 Jan–Mar;28(1):266–72

TOXICITY

Coli surface antigens 1 and 3 of colonization factor antigen II–positive enterotoxigenic Escherichia coli: morphology, purification, and immune responses in humans. Levine MM, et al. **Infect Immun** 1984 May;44(2):409–20

URINE

Detection of urinary Vi antigen as a diagno... typhoid fever. Taylor DN, et al. **J Clin Mic...** Oct;18(4):872–6

Detection of specific bacterial antigen in urine of patients infected with Bacteroides fragilis. Rissing JP, et al. **J Infect Dis** 1984 Jun;149(6):929–34

Antigens of Mycobacterium leprae and anti–M. leprae antibodies in the urine of leprosy patients. Olcén P, et al. **Lepr Rev** 1983 Sep;54(3):203–16

Recent advances in the diagnosis of serogroup 1 L. pneumophila pneumonia by detection of urinary antigen. Kohler RB, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Jul; 255(1):102–7

ANTIGENS, FUNGAL

Antigenic relationships among Saccharomycopsis species. Tsukiji M, et al. **Kitasato Arch Exp Med** 1983 Sep; 56(3):99–108

ADMINISTRATION & DOSAGE

Immune responsiveness following intratracheal inoculation with Histoplasma capsulatum yeast cells. Nickerson DA, et al. **Clin Exp Immunol** 1984 May;56(2):337–44

Reactivity to spherule–derived coccidioidin in the southeastern United States. Woodruff WW 3d, et al. **Infect Immun** 1984 Mar;43(3):860–9

Electronmicroscopic studies of peritoneal lavages after intraperitoneal application of Candida albicans to non–immunized and immunized hosts. Kuttin ES, et al. **Mykosen** 1984 Mar;27(3):115–22

ADVERSE EFFECTS

Hypersensitivity pneumonitis due to Aspergillus fumigatus in compost. Vincken W, et al. **Thorax** 1984 Jan;39(1):74–5

ANALYSIS

Evaluation of commercial reagents to identify the exoantigens of Blastomyces dermatitidis, Coccidioides immitis, and Histoplasma species cultures. Sekhon AS, et al. **Am J Clin Pathol** 1984 Aug;82(2):206–9

Antigenemia in primary coccidioidomycosis. Galgiani JN, et al. **Am J Trop Med Hyg** 1984 Jul;33(4):645–9

Antigen detection in the diagnosis of invasive aspergillosis. Utility in controlled, blinded trials. Weiner MH, et al. **Ann Intern Med** 1983 Dec;99(6):777–82

Detection of soluble Fusaria antigens by an immunoenzymatic technique. Severini R, et al. **Ann Sclavo** 1982 Sep–Oct;24(5):560–7

Demonstration and solubilization of antigens expressed primarily on the surfaces of Candida albicans germ tubes. Smail EH, et al. **Infect Immun** 1984 Jul;45(1):74–81

Characterization of antigens specific to the surface of germ

tubes of Candida albicans by immunofluorescence. Sundstrom PM, et al. **Infect Immun** 1984 Mar;43(3):850-5

Fractionation of Aspergillus fumigatus antigens by hydrophobic interaction chromatography and gel filtration. Schønheyder H, et al. **Int Arch Allergy Appl Immunol** 1984; 73(3):231-6

Characterization of the carbohydrate moiety in a partly purified allergen preparation from the mould Cladosporium herbarum and its possible importance for allergenic activity as tested by RAST-inhibition. Swärd-Nordmo M, et al. **Int Arch Allergy Appl Immunol** 1984;75(2):149-56

Antigenic variability of different strains of Aspergillus fumigatus. Wallenbeck I, et al. **Int Arch Allergy Appl Immunol** 1984;73(2):166-72

Physicochemical and immunochemical properties of a thermo-labile antigen (TLA a) from yeast cell surface. Tamai Y, et al. **J Biochem (Tokyo)** 1983 Jul;94(1):37-41

Exoantigen test for differentiation of Exophiala jeanselmei and Wangiella dermatitidis isolates from other dematiaceous fungi. Espinel-Ingroff A, et al. **J Clin Microbiol** 1984 Jul;20(1):23-7

Immunoenzymatic absorption test for serodiagnosis of paracoccidioidomycosis. Mendes-Giannini MJ, et al. **J Clin Microbiol** 1984 Jul;20(1):103-8

Micropolyspora faeni antigens of three commercial extracts. Pavesi F, et al. **Mycopathologia** 1984 Feb 15;84(2-3):165-9

Correlations among culture times, sugar composition and biological activities of Sporothrix schenckii antigens. Takata M, et al. **Mycopathologia** 1983 Dec 1;84(1):31-9

Morphologic and immunohistologic study of pyelonephritis in rats by various bacteria and fungi. Special reference to inflammatory changes and localization of antigen. Nagai T. **Nephron** 1984;37(4):264-9

Current trends in immunodiagnosis of candidiasis and aspergillosis. de Repentigny L, et al. **Rev Infect Dis** 1984 May-Jun;6(3):301-12 (118 ref.)

Antigenic profile of some typical and septate phialide-strains of Aspergillus fumigatus. Mishra SK. **Sabouraudia** 1984; 22(2):91-100

Comparison of partially purified mycelial and culture filtrate antigens of Aspergillus fumigatus by enzyme-linked immunosorbent assay. Wilson EV, et al. **Sabouraudia** 1983 Sep;21(3):195-203

DIAGNOSTIC USE

[Immunologic mechanisms of skin responses to specific antigen in patients with mycosis caused by Trichophyton rubrum] Fedotov VP. **Vestn Dermatol Venerol** 1984 Jun; (6):17-22 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Anaphylaxis presumed to be caused by beef containing streptomycin. Tinkelman DG, et al. **Ann Allergy** 1984 Sep; 53(3):243-4

Biological activity of Pityrosporum. I. Enhancement of resistance in mice stimulated by Pityrosporum against Salmonella typhimurium. Takahashi M, et al. **Immunology** 1984 Apr;51(4):697-702

Variability in expression of a cell surface determinant on Candida albicans as evidenced by an agglutinating monoclonal antibody. Brawner DL, et al. **Infect Immun** 1984 Mar;43(3):966-72

Production and characterization of three monoclonal antibodies to Candida albicans proteins. Strockbine NA, et al. **Infect Immun** 1984 Mar;43(3):1012-8

Reactivity to spherule-derived coccidioidin in the southeastern United States. Woodruff WW 3d, et al. **Infect Immun** 1984 Mar;43(3):860-9

IgG antibodies to purified Aspergillus fumigatus antigens determined by enzyme-linked immunosorbent assay. Schønheyder H, et al. **Int Arch Allergy Appl Immunol** 1984; 74(3):262-9

Studies on alternaria allergens. IV. Comparative biochemical and immunological studies of commercial Alternaria tenuis Batches. Vijay HM, et al. **Int Arch Allergy Appl Immunol** 1984;74(3):256-61

Allergic bronchopulmonary aspergillosis: reactivity of IgE and IgG antibodies with antigenic components of Aspergillus fumigatus (IgE/IgG antigen complexes). Longbottom JL. **J Allergy Clin Immunol** 1983 Dec; 72(6):668-75

Surface antigens of intact Aspergillus fumigatus mycelium: their localization using radiolabelled protein A as marker. Hearn VM. **J Gen Microbiol** 1984 Apr;130 (Pt 4):907-17

Chronic dermatophyte infection: evaluation of the Ig class-specific antibody response reactive with polysaccharide and peptide antigens derived from Trichophyton mentagrophytes. Honbo S, et al. **J Invest Dermatol** 1984 Mar;82(3):287-90

Application of immunoprecipitation techniques to the diagnosis of cutaneous and extracutaneous forms of sporotrichosis. de Albornoz MB, et al. **Mycopathologia** 1984 Apr 15;85(3):177-83

A comparison of mycelial filtrate - and yeast lysate - paracoccidioidin in patients with paracoccidioidomycosis. Restrepo A, et al. **Mycopathologia** 1983 Dec 1;84(1):49-54

Quantitative immunoelectrophoretic study of genus Pytyrosporum Sabouraud. Bruneau SM, et al. **Mykosen** 1984 Mar;27(3):123-36

[Changes in the immunoreactivity of patients with dyshidrosis caused by Candida species and treated with desensitization] Halmy K, et al. **Dermatol Monatsschr** 1983;169(7):446-51 (Eng. Abstr.) **(Ger)**

[Development and evaluation of a new Candida albicans antigen] Herrmann K, et al. **Dermatol Monatsschr** 1983; 169(7):440-5 (Eng. Abstr.) **(Ger)**

[Activity of various Candida antigens preparations in the lymphocyte transformation test and double radial immunodiffusion in agar gel] Heidenbluth I, et al. **Mykosen** 1984 May;27(5):233-41 (Eng. Abstr.) **(Ger)**

[Survey on paracoccidioidin in a population of Bahia (Brazil)] de Andrade JA, et al. **Rev Inst Med Trop Sao Paulo** 1984 Jan-Feb;26(1):1-6 (Eng. Abstr.) **(Por)**

[Interstrain differences in mice in developing migration inhibition factors to Candida albicans antigens] Vorob'ev KV, et al. **Biull Eksp Biol Med** 1983 Oct;96(10):80-2 (Eng. Abstr.) **(Rus)**

[The spectrum of paracoccidioidomycosis in Panama] de Martin MC. **Rev Med Panama** 1984 May;9(2):109-15 (Eng. Abstr.) **(Spa)**

[Serology of cutaneous sporotrichosis] Casserone S, et al. **Sabouraudia** 1983 Dec;21(4):317-21 (Eng. Abstr.) **(Spa)**

ISOLATION & PURIFICATION

Cross-reactivity of contact site A to antibody produced against a stage-specific antigen from a phenol/water extract of Dictyostelium discoideum. Hirano T, et al. **J Biochem (Tokyo)** 1984 May;95(5):1355-66

Purification of soluble specific antigens of systemic candidiasis by antibody affinity chromatography. Benbouzid A, et al. **J Chromatogr** 1984 Mar 9;306:117-24

Rapid and reliable method for production of a specific Paracoccidioides brasiliensis immunodiffusion test antigen. Blumer SO, et al. **J Clin Microbiol** 1984 Mar;19(3):404-7

ANTIGENS, HETEROGENETIC

ANALYSIS

Sensitive enzyme-immunostaining and densitometric determination on thin-layer chromatography of N-glycolylneuraminic acid-containing glycosphingolipids, Hanganutziu-Deicher antigens. Higashi H, et al. **J Biochem (Tokyo)** 1984 May;95(5):1517-20

Heterogeneity of myosin antigenic expression in vascular smooth muscle in vivo. Larson DM, et al. **Lab Invest** 1984 Apr;50(4):401-7

Antigens of Mycoplasma hominis. Brown MB, et al. **Sex Transm Dis** 1983 Oct-Dec;10(4 Suppl):247-55

GENETICS

Analysis of the structural heterogeneity and polymorphism of human Ia antigens. Four distinct subsets of molecules are coexpressed in the Ia pool of both DR1,1 homozygous and DR3,W6 heterozygous B cell lines. Accolla RS. **J Exp Med** 1984 Feb 1;159(2):378-93

IMMUNOLOGY

Antigenic heterogeneity of human mononuclear phagocytes: immunohistologic analysis using monoclonal antibodies. Hancock WW, et al. **Blood** 1983 Dec;62(6):1271-9

Clonal heterogeneity in the requirement for T3, T4, and T8 molecules in human cytolytic T lymphocyte function. Moretta A, et al. **J Exp Med** 1984 Mar 1;159(3):921-34

Surface membrane heterogeneity among human mononuclear phagocytes. Biondi A, et al. **J Immunol** 1984 Mar; 132(3):1237-43

Heterogeneity of infection enhancement of dengue 2 strains by monoclonal antibodies. Halstead SB, et al. **J Immunol** 1984 Mar;132(3):1529-32

Human newborn autologous mixed lymphocyte response: frequency and phenotype of responders and xenoantigen specificity. Hayward AR, et al. **J Immunol** 1984 Aug; 133(2):719-23

Phenotypic heterogeneity of antisyngeneic tumor killer cells (ASTK) generated in allogeneic mixed lymphocyte reactions. Macphail S, et al. **J Immunol** 1984 Jun; 132(6):3205-10

[Increase in pulmonary resistance induced by Forssman antiserum in guinea pigs] Nakagami K, et al. **Nippon Yakurigaku Zasshi** 1983 Dec;82(6):429-41 (Eng. Abstr.) **(Jpn)**

[Induction of antibody biosynthesis in rat spleen cells by murine immunogenic RNA] Sikorska EJ. **Med Dosw Mikrobiol** 1983;35(3-4):277-84 (Eng. Abstr.) **(Pol)**

[Autoantibodies against the interspecific antigen of the erythrokaryocyte membrane in anemia and hemoblastoses] Etkin AF, et al. **Ter Arkh** 1984;56(6):99-103 **(Rus)**

ISOLATION & PURIFICATION

Biochemical characteristics of the heterophile transplantation antigen (HT-A). Pruett SB, et al. **Tissue Antigens** 1984 Apr; 23(4):191-202

ANTIGENS, IMMUNE RESPONSE

HLA-DR genotype risks in seropositive rheumatoid arthritis. Legrand L, et al. **Am J Hum Genet** 1984 May;36(3):690-9

The class II molecules of the human and murine major histocompatibility complex. Kaufman JF, et al. **Cell** 1984 Jan;36(1):1-13 (164 ref.)

Influence of HLA, A, B, and DR antigen matching in transfused cadaver renal transplant patients. Kerman RH. **Cleve Clin Q** 1983 Summer;50(2):216-7

Influence of HLA AB and DR antigen matching in transfused cadaver renal transplant patients. Rybka SJ, et al. **Cleve Clin Q** 1983 Summer;50(2):227-30

Distinct populations of class II molecules identified by monoclonal antibodies. Brickell PM, et al. **Clin Exp Immunol** 1983 Oct;54(1):117-26

Translation and assembly of HLA-DR antigens in Xenopus oocytes injected with mRNA from a human B-cell line. Long EO, et al. **EMBO J** 1982;1(5):649-54

Structure of the murine Ia-associated invariant (Ii) chain as deduced from a cDNA clone. Singer PA, et al. **EMBO J** 1984 Apr;3(4):873-7

The complete sequence of the mRNA for the HLA-DR-associated invariant chain reveals a polypeptide with an unusual transmembrane polarity. Strubin M, et al. **EMBO J** 1984 Apr;3(4):869-72

Effect of cloned interferon-gamma on expression of H-2 and Ia antigens on cell lines of hemopoietic, lymphoid, epithelial, fibroblastic and neuronal origin. Wong GH, et al. **Eur J Immunol** 1984 Jan;14(1):52-6

Expression of HLA-DR alloantigens on acute lymphoblastic leukemia lymphoblasts. Orgad S, et al. **Hum Immunol** 1984 Feb;9(2):67-74

Functional characteristics and differential expression of class II DR, DS, and SB antigens on human melanoma cell lines. Pollack MS, et al. **Hum Immunol** 1984 Feb;9(2):75-87

Dissection of the Poly(Glu60Ala30Tyr10) (GAT)-specific T-cell repertoire in H-2Ik mice. II. The use of monoclonal antibodies to study the recognition of Ia antigens by GAT-reactive T-cell clones. Naquet P, et al. **Immunogenetics** 1983;18(6):559-74

Structural polymorphism of the DC1 light chains from DR1-, DR2-, and DRw6-positive cell lines. Shackelford DA, et al. **Immunogenetics** 1983;18(6):625-37

Simultaneous detection of T6 and HLA-DR antigens distinguishes three cell subpopulations in dispersed normal human epidermal cells. Dezutter-Dambuyant C, et al. **Immunol Lett** 1984;7(4):203-7

Identification of subpopulations of T lymphocytes and Ia positive B lymphocytes using a rosette assay based upon the biotin-avidin interaction. Mason RJ, et al. **Immunol Lett** 1983;7(3):157-61

Ontogeny of non-lymphoid and lymphoid cells in the rat gut with special reference to large mononuclear Ia-positive dendritic cells. Wilders MM, et al. **Immunology** 1983 Oct; 50(2):303-14

Differential effects of gamma interferon on expression of HLA class II molecules controlled by the DR and DC loci. Ameglio F, et al. **Infect Immun** 1983 Oct;42(1):122-5

Subunit structure of guinea pig Ia.1 antigens. Quill H, et al. **J Immunol** 1984 Jan;132(1):297-302

Histocompatibility antigens in polymyalgia rheumatica and giant cell arteritis. Armstrong RD, et al. **J Rheumatol** 1983 Aug;10(4):659-61

Invariant proteins associated with guinea-pig Ia antigens. Quill H, et al. **Mol Immunol** 1983 Dec;20(12):1333-45

Structural and evolutionary analysis of HLA-D-region products. Travers P, et al. **Nature** 1984 Jul 19-25; 310(5974):235-8

Role of Ia-positive cells in the lymphocyte responses to Yersinia. Vuento R, et al. **Scand J Immunol** 1984 Aug; 20(2):141-7

Structure of class II transplantation antigens and their relationship to other molecules. Rask L, et al. **Surv Immunol Res** 1983;2(3):275-7

Histocompatibility antigens on human lymphoid cells. Schwartz BD. **Surv Immunol Res** 1983;2(3):195-8

A prospective randomized trial of matching for HLA-A and B versus HLA-DR in renal transplantation. d'Apice AJ, et al. **Transplantation** 1984 Jul;38(1):37-41

Acceptance of cardiac allografts by lethally irradiated rats repopulated with syngeneic bone marrow. Role of class I and class II alloantigens. Hartnett LC, et al. **Transplantation** 1984 Apr;37(4):378-82

[Recent data on the HLA-D region in man] Fauchet R, et al. **Rev Fr Transfus Immunohematol** 1984 Feb;27(1):53-66 **(Fre)**

ADMINISTRATION & DOSAGE

[Initial trials in the treatment of feto-maternal alloimmunization in the Rhesus system with oral administration of erythrocyte antigens] Parinaud J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1983;12(4):407-13 (Eng. Abstr.) **(Fre)**

ANALYSIS

Detection of DR antigen on leukemic cells from a patient suffering from adult T-cell leukemia and progressive systemic sclerosis. Mizushima K, et al. **Acta Med Okayama** 1983 Oct;37(5):401-7

HLA-DR-expressing Langerhans'-like cells in vaginal and cervical epithelium. Bjercke S, et al. **Acta Obstet Gynecol Scand** 1983;62(6):585-9

Rheumatoid arthritis: relationship with HLA-D. Stastny P. **Am J Med** 1983 Dec 30;75(6A):9-15 (45 ref.)

Immunoperoxidase staining for Ia-like antigens in paraffin-embedded tissues from human melanoma and lung carcinoma. Wilson BS, et al. **Am J Pathol** 1984 Apr;

115(1):102–8
Epidemiological study of HLA and GM in rheumatoid arthritis and related symptoms in an open Dutch population. de Jongh BM, et al. **Ann Rheum Dis** 1984 Aug; 43(4):613–9
HLA DR antigens and disease expression in rheumatoid arthritis. Griffin AJ, et al. **Ann Rheum Dis** 1984 Apr; 43(2):218–21
HLA DR alloantigens in different subsets of patients with Sjögren's syndrome and in family members. Mann DL, et al. **Ann Rheum Dis** 1983 Oct;42(5):533–6
HLA-DR4 does not predispose to higher amounts of rheumatoid factors in healthy persons [letter] Vischer TL, et al. **Ann Rheum Dis** 1983 Dec;42(6):702
ATPase, antigens detected by monoclonal antibodies, ultrastructural characters: which is the best marker for Langerhans cells? De Panfilis G. **Arch Dermatol Res** 1983; 275(6):407–11 (32 ref.)
DR antigens and gold toxicity in white rheumatoid arthritis patients. Barger BO, et al. **Arthritis Rheum** 1984 Jun; 27(6):601–5
Application of monoclonal antibodies to the characterization of cells eluted from human articular cartilage. Expression of Ia antigens in certain diseases and identification of an 85-kD cell surface molecule accumulated in the pericellular matrix. Burmester GR, et al. **Arthritis Rheum** 1983 Oct; 26(10):1187–95
Association of HLA-DR4/Dw4 and DR2/Dw2 with radiologic changes in a prospective study of patients with rheumatoid arthritis. Preferential relationship with HLA-Dw rather than HLA-DR specificities. Young A, et al. **Arthritis Rheum** 1984 Jan;27(1):20–5
Schizophrenic disorders and HLA-DR antigens. Miyanaga K, et al. **Biol Psychiatry** 1984 Feb;19(2):121–9
Deficient DR antigen expression on human neonatal monocytes: reversal with lymphokines. Stiehm ER, et al. **Birth Defects** 1983;19(3):295–8
Is heterogeneous expression of HLA-dr antigens and CEA along with DNA-profile variations evidence of phenotypic instability and clonal proliferation in human large bowel carcinomas? Rognum TO, et al. **Br J Cancer** 1983 Oct; 48(4):543–51
Lack of correlation between lymphocyte activating determinants and HLA-DR on acute leukaemias. Taylor GM, et al. **Br J Cancer** 1984 Apr;49(4):485–94
Expression of major histocompatibility antigens and leucocyte infiltration in benign and malignant human breast disease. Whitwell HL, et al. **Br J Cancer** 1984 Feb; 49(2):161–72
Epidermal T lymphocytes and HLA-DR expression in psoriasis. Baker BS, et al. **Br J Dermatol** 1984 May; 110(5):555–64
Quantitative evaluation of two distinct cell populations expressing HLA-DR antigens in normal human epidermis. Dezutter-Dambuyant C, et al. **Br J Dermatol** 1984 Jul; 111(1):1–11
HLA-A, B and DR antigens and properdin factor B allotypes in Caplan's syndrome. Darke C, et al. **Br J Dis Chest** 1983 Jul;77(3):235–42
Leu-10 (HLA-DC/DS) antigen distribution in human leukaemic disorders as detected by a monoclonal antibody: correlation with HLA-DR expression. Al-Katib A, et al. **Br J Haematol** 1984 Jul;57(3):373–82
Renal graft dysfunction during infection with cytomegalovirus: association with IgM lymphocytotoxins and HLA-DR3 and DR7. Baldwin WM 3d, et al. **Br Med J [Clin Res]** 1983 Nov 5;287(6402):1332–4
Cultured human and rat oligodendrocytes and rat Schwann cells do not have immune response gene associated antigen (Ia) on their surface. Lisak RP, et al. **Brain Res** 1983 Dec 19;289(1–2):285–92
Linkage map of two HLA-SB beta and two HLA-SB alpha-related genes: an intron in one of the SB beta genes contains a processed pseudogene. Trowsdale J, et al. **Cell** 1984 Aug;38(1):241–9
Ia-antigen on cells is destroyed by some fixation reagents. Beelen RH, et al. **Cell Biol Int Rep** 1984 Mar;8(3):188
Local production of Ia-inducing activity in experimental immunogenic uveitis. Donnelly JJ, et al. **Cell Immunol** 1984 Jul;86(2):557–61
Hydrocortisone-mediated inhibition of monocyte antigen presentation: dissociation of inhibitory effect and expression of DR antigens. Gerrard TL, et al. **Cell Immunol** 1984 May; 85(2):330–9
Macrophage I-A/I-E expression and macrophage-stimulating lymphokines in murine lupus. Kofler R, et al. **Cell Immunol** 1984 Aug;87(1):92–100
Increased frequency of HLA-DR3 and 5 in the syndromes of painless thyroiditis with transient thyrotoxicosis: evidence for an autoimmune aetiology. Farid NR, et al. **Clin Endocrinol (Oxf)** 1983 Dec;19(6):699–704
Presence of HLA-D/DR antigens on the membrane of breast tumour cells. Bernard D, et al. **Clin Exp Immunol** 1984 Apr;56(1):215–21
Expression of HLA-DR (Ia like) antigen on epidermal keratinocytes in human dermatoses. Lampert IA. **Clin Exp Immunol** 1984 Jul;57(1):93–100
HLA-DR associations with Graves' disease in eastern Hungary. Stenszky V, et al. **Clin Invest Med** 1983; 6(3):181–4
Eluted rheumatoid synovial tissue T cell subsets and HLA-DR bearing cells at different stages of fractionation. Egeland T, et al. **Clin Rheumatol** 1983 Mar;2(1):19–26
HLA-DR antigens and diabetic nephropathy [letter] Saner B, et al. **Diabetologia** 1983 Nov;25(5):452
HLA antigens and risk factors for nephropathy in type 1 (insulin-dependent) diabetes mellitus. Walton C, et al. **Diabetologia** 1984 Jul;27(1):3–7
HLA-related heterogeneity in seasonal patterns of diagnosis in Type 1 (insulin-dependent) diabetes. Weinberg CR, et al. **Diabetologia** 1984 Mar;26(3):199–202
Ia-like antigen expression on biologically different human melanoma cell lines. Reynier M, et al. **Eur J Cancer Clin Oncol** 1984 May;20(5):659–65
Characterization of a (BALB/c x C57BL/6)F1 T cell hybridoma with double specificity: recognition of antigen in context of I-Ad and autoreactivity to I-Ab. Nagase F, et al. **Eur J Immunol** 1984 Jul;14(7):652–5
Migration of Langerhans cells and the expression of Ia on epidermal cells following the grafting of normal skin to nude mice. Krueger GG, et al. **Exp Cell Biol** 1984; 52(1–2):97–102
HLA antigens and clinical subgroups of schizophrenia. Rudduck C, et al. **Hum Hered** 1984;34(1):18–26
HLA-Dw/LD directed cytotoxic T cell clones. Anichini A, et al. **Hum Immunol** 1984 Jul;10(3):153–64
Dissection of the D-region of the human major histocompatibility complex by means of induced mutations in a lymphoblastoid cell line. DeMars R, et al. **Hum Immunol** 1983 Oct;8(2):123–39
Serological and cellular definition of a new HLA-DR associated determinant, MC1, and its association with rheumatoid arthritis. Duquesnoy RJ, et al. **Hum Immunol** 1984 Jul;10(3):165–76
Multiple Ia-like molecules characterize HLA-DR2-associated haplotypes which differ in HLA-D. Nepom GT, et al. **Hum Immunol** 1984 Jul;10(3):143–51
Analysis of monoclonal antibodies reactive with human class II beta chains by two-dimensional electrophoresis and Western blotting. Radka SF, et al. **Hum Immunol** 1984 Jul; 10(3):177–86
A monoclonal antibody recognizing HLA-DR2 on malignant and activated cells. Fuggle SV, et al. **Immunogenetics** 1983; 18(4):415–28
Molecular characterization of two Ia-like antigens in marmoset. Goujet-Zalc C, et al. **Immunogenetics** 1984; 19(2):155–61
The MT3 specificity resides on a novel human class II antigen distinct from the HLA-DR antigen and DC-like antigen. Yabe T, et al. **Immunogenetics** 1984;20(2):155–67
Non-activated guinea-pig T cells and thymocytes express Ia antigens: FACS analysis with alloantibodies and monoclonal antibodies. Burger R, et al. **Immunology** 1984 Jan;51(1):93–102
Selective chemotaxis of Ia antigen-positive macrophages by macrophage chemotactic lymphokine produced by concanavalin A stimulation. Miura K, et al. **Immunology** 1984 Aug;52(4):641–7
Presence of HLA-DR antigen on synovial type A and B cells: an immunoelectron microscopic study in rheumatoid arthritis, osteoarthritis and normal traumatic joints. Shiozawa S, et al. **Immunology** 1983 Dec;50(4):587–94
Selective chemotaxis of Ia antigen-positive blood monocytes in response to a macrophage chemotactic lymphokine extractable from PPD-induced delayed hypersensitivity reaction site in guinea-pigs. Yoshimura T, et al. **Immunology** 1984 Jun;52(2):269–80
Local cellular immune response in ascending urinary tract infection: occurrence of T-cells, immunoglobulin-producing cells, and Ia-expressing cells in rat urinary tract tissue. Hjelm EM. **Infect Immun** 1984 Jun;44(3):627–32
Primary but not metastatic human melanomas expressing DR antigens stimulate autologous lymphocytes. Fossati G, et al. **Int J Cancer** 1984 May 15;33(5):591–7
HLA-DR-antigen-associated restriction of EBV-specific cytotoxic T-cell colonies. Misko IS, et al. **Int J Cancer** 1984 Feb 15;33(2):239–43
Expression of HLA-DR antigens in nasopharyngeal carcinoma: an immunohistological analysis of the tumour cells and infiltrating lymphocytes. Thomas JA, et al. **Int J Cancer** 1984 Jun 15;33(6):813–9
Isolation and purification of HLA-DR antigens from tumour cells by affinity chromatography and chromatofocusing. Bernard D, et al. **J Chromatogr** 1984 Jun 8;308:322–8
Ia+ T cells in new onset Graves' disease. Jackson RA, et al. **J Clin Endocrinol Metab** 1984 Aug;59(2):187–90
Differential expression of Ia molecules by human monocytes. Gonwa TA, et al. **J Clin Invest** 1984 Sep;74(3):859–66
Specific HLA-DR4-associated histocompatibility molecules characterize patients with seropositive juvenile rheumatoid arthritis. Nepom BS, et al. **J Clin Invest** 1984 Jul; 74(1):287–91
Regulation of human peripheral blood monocyte DR antigen expression in vitro by lymphokines and recombinant interferons. Sztein MB, et al. **J Clin Invest** 1984 Feb; 73(2):556–65
Surface antigens of melanoma and melanocytes. Specificity of induction of Ia antigens by human gamma-interferon. Houghton AN, et al. **J Exp Med** 1984 Jul 1;160(1):255–69
Molecular localization of human class II MT2 and MT3 determinants. Hurley CK, et al. **J Exp Med** 1984 Aug 1; 160(2):472–93
An HLA-DR5 homozygous cell line expresses two DS (I-A-like) molecules. Karr RW, et al. **J Exp Med** 1983 Oct 1;158(4):1374–9
Interleukin-induced increase in Ia expression by normal mouse B cells. Roehm NW, et al. **J Exp Med** 1984 Sep 1;160(3):679–94
Identification of a new component in the murine Ia molecular complex. Sant AJ, et al. **J Exp Med** 1983 Dec 1; 158(6):1979–92
Two-dimensional gel electrophoretic analysis of the MT3 and DR4 molecules from the different D-typed cells. Suzuki M, et al. **J Exp Med** 1984 Sep 1;160(3):751–8
Evidence of HLA-DR antigen biosynthesis by human keratinocytes in disease. Volc-Platzer B, et al. **J Exp Med** 1984 Jun 1;159(6):1784–9
Murine gamma interferon activates the release of a macrophage-derived Ia-inducing factor that transfers Ia inductive capacity. Walker EB, et al. **J Exp Med** 1984 May 1;159(5):1532–47
Analysis of thymocyte MHC specificity with thymocyte hybridomas. Yeh ET, et al. **J Exp Med** 1984 Sep 1; 160(3):799–813
Application of immunoelectron microscopy for identification of T lymphocyte subsets and HLA DR antigen positive cells in tissue. Dienes HP, et al. **J Histochem Cytochem** 1984 May;32(5):547–51
HLA-DR antigens of autologous melanoma and B lymphoblastoid cell lines: differences in glycosylation but not protein structure. Alexander S, et al. **J Immunol** 1984 Jul;133(1):315–20
Interferons as modulators of human monocyte-macrophage differentiation. I. Interferon-gamma increases HLA-DR expression and inhibits phagocytosis of zymosan. Becker S. **J Immunol** 1984 Mar;132(3):1249–54
Keratinocytes synthesize Ia antigen in acute cutaneous graft-vs-host disease. Breathnach SM, et al. **J Immunol** 1983 Dec;131(6):2741–5
Activated T cells in vivo and in vitro: divergence in expression of Tac and Ia antigens in the nonblastoid small T cells of inflammation and normal T cells activated in vitro. Burmester GR, et al. **J Immunol** 1984 Sep; 133(3):1230–4
Soluble factors produced during an immune response regulate Ia antigen expression by murine adenocarcinoma and fibrosarcoma cells. Callahan GN. **J Immunol** 1984 May; 132(5):2649–57
B cell activation. V. Differentiation signaling of B cell membrane depolarization, increased I-A expression, G0 to G1 transition, and thymidine uptake by anti-IgM and anti-IgD antibodies. Cambier JC, et al. **J Immunol** 1984 Aug;133(2):576–81
The isolation and functional characterization of autoimmune clones expressing inappropriate Ia. Cronin PS, et al. **J Immunol** 1984 Aug;133(2):822–9
Reduced expression of Ia antigens by thymic epithelial cells of aged mice. Farr AG, et al. **J Immunol** 1984 Jul; 133(1):98–103
Ia antigen: a murine B lymphocyte receptor for transformed cell induction of interferon-alpha/beta. Hughes TK, et al. **J Immunol** 1983 Oct;131(4):1895–9
Cloned human interferon-gamma, but not interferon-beta or -alpha, induces expression of HLA-DR determinants by fetal monocytes and myeloid leukemic cell lines. Kelley VE, et al. **J Immunol** 1984 Jan;132(1):240–5
Differential expression of the invariant chain in mouse tumor cells: relationship to B lymphoid development. Koch N, et al. **J Immunol** 1984 Jan;132(1):12–5
Ia antigens and associated invariant chain are induced simultaneously in lines of T-dependent mast cells by recombinant interferon-gamma. Koch N, et al. **J Immunol** 1984 Mar;132(3):1361–9
Changes in the expression of B cell surface markers on complement receptor-positive and complement receptor-negative B cells induced by phorbol myristate acetate. Lindsten T, et al. **J Immunol** 1984 Jan;132(1):235–9
Alpha-fetoprotein inhibits macrophage expression of Ia antigens. Lu CY, et al. **J Immunol** 1984 Apr;132(4):1722–7
Molecular identifications of HLA-DR4, MT3, and TB21 antigens on HLA-DR4 homozygous B cell lines. Maeda H, et al. **J Immunol** 1984 Feb;132(2):574–7
Expression of Ia antigens on macrophages is reduced after stimulation with homologous C3b. Mauer U, et al. **J Immunol** 1984 Jun;132(6):2802–6
B cell activation. IV. Induction of cell membrane depolarization and hyper-I-A expression by phorbol diesters suggests a role for protein kinase C in murine B lymphocyte activation. Monroe JG, et al. **J Immunol** 1984 Mar;132(3):1472–8
Expression of HLA-DR, MB, MT and SB antigens on human mononuclear cells: identification of two phenotypically distinct monocyte populations. Nuñez G, et al. **J Immunol** 1984 Sep;133(3):1300–6
Comparison and partial characterization of guinea pig Ia alpha- and beta-chain oligosaccharides. Quill H, et al. **J Immunol** 1984 Jan;132(1):289–96
The immunopathology of experimental allergic encephalomyelitis. II. Endothelial cell Ia increases prior to inflammatory cell infiltration. Sobel RA, et al. **J Immunol** 1984 May;132(5):2402–7
P cell stimulating factor and glucocorticoids oppose the action of interferon-gamma in inducing Ia antigens on T-dependent mast cells (P cells). Wong GH, et al. **J Immunol** 1984 Oct;133(4):2043–50

Modulation of macrophage Ia-expression by lipopolysaccharide. I. Induction of Ia expression in vivo. Ziegler HK, et al. **J Immunol** 1984 Oct;133(4):1825–35

Characterization of the gamma-interferon-mediated induction of antigen-presenting ability in P388D1 cells. Zlotnik A, et al. **J Immunol** 1983 Dec;131(6):2814–20

Flow cytometric analysis of specific binding of soluble Ia by I-region restricted alloactivated T cells. Elliott BE, et al. **J Immunol Methods** 1984 Aug 3;72(1):11–28

Some fixation reagents reduce or abolish the detectability of Ia-antigen and HLA-DR on cells. Walker WS, et al. **J Immunol Methods** 1984 Feb 24;67(1):89–99

Recombinant gamma interferon induces HLA-DR expression on cultured human keratinocytes. Basham TY, et al. **J Invest Dermatol** 1984 Aug;83(2):88–90

Loss of HLA-DR expression by human epidermal cells after growth in culture. Hefton JM, et al. **J Invest Dermatol** 1984 Jul;83(1):48–50

HLA-DR and herpes gestationis [letter] Holmes RC, et al. **J Invest Dermatol** 1984 Jul;83(1):78–9

Paternal histocompatibility (HLA) antigens and maternal anti-HLA antibodies in herpes gestationis. Shornick JK, et al. **J Invest Dermatol** 1983 Nov;81(5):407–9

Immunohistochemical staining of human brain with monoclonal antibodies that identify lymphocytes, monocytes, and the Ia antigen. Hauser SL, et al. **J Neuroimmunol** 1983 Oct;5(2):197–205

Demonstration of HLA-DR antigens in normal human brain [letter] De Tribolet N, et al. **J Neurol Neurosurg Psychistry** 1984 Apr;47(4):417–8

DR antigen distribution in Blacks with rheumatoid arthritis. Alarcón GS, et al. **J Rheumatol** 1983 Aug;10(4):579–83

Family studies in RA – the importance of HLA-DR4 and of genes for autoimmune thyroid disease. Grennan DM, et al. **J Rheumatol** 1983 Aug;10(4):584–9

HLA-DR positive T lymphocytes in blood and synovial fluid in rheumatoid arthritis. Kluin-Nelemans HC, et al. **J Rheumatol** 1984 Jun;11(3):272–6

HLA-DR antigens and gold-induced enterocolitis [letter] Sukenik S, et al. **J Rheumatol** 1984 Feb;11(1):109–10

Analysis of the HLA-DRw9 antigen using two-dimensional gel electrophoresis and alloantisera. Yabe T, et al. **Jinrui Idengaku Zasshi** 1984 Mar;29(1):17–25

Immunohistochemical study of Ia antigen in the normal and diseased human kidney. Hinglais N, et al. **Kidney Int** 1984 Mar;25(3):544–50

Hydralazine-induced lupus: no association with HLA-DR4 [letter] Brand C, et al. **Lancet** 1984 Feb 25;1(8374):462

Increased expression of HLA-DR antigens on renal tubular cells in renal transplants: relevance to the rejection response. Hall BM, et al. **Lancet** 1984 Aug 4;2(8397):247–51

Increased expression of Ia (HLA-DR) antigens in rejecting kidneys [letter] Malik ST, et al. **Lancet** 1984 Sep 8; 2(8402):577–8

Expression of HLA-DR in hair follicles in alopecia areata [letter] Messenger AG, et al. **Lancet** 1984 Aug 4; 2(8397):287–8

Expression of HLA-DR antigens on bileduct cells of rejected liver transplant [letter] Takacs L, et al. **Lancet** 1983 Dec 24–31;2(8365–66):1500

Occasional review—HLA and leprosy: a re-evaluation. van Eden W, et al. **Lepr Rev** 1984 Jun;55(2):89–104

Increased levels of circulating HLA-DR antigen in sera of patients with acute lymphoblastoid leukemia. Herlyn M, et al. **Leuk Res** 1984;8(3):323–34

Heterogeneity of non-T, non-B acute lymphocytic leukemia defined by the quantitative expression of Ia and common all antigens. Okamura J, et al. **Leuk Res** 1984;8(3):335–43

Identification of hairy cell leukemia subset defining p35 as the human homologue of Ii. Spiro RC, et al. **Leuk Res** 1984;8(1):55–62

Immunoglobulin allotype markers and HLA DR genes in type I diabetes mellitus. Schernthaner G, et al. **Metabolism** 1984 Sep;33(9):833–6

DNA methylation and expression of HLA-DR alpha. Reitz MS Jr, et al. **Mol Cell Biol** 1984 May;4(5):890–7

Reduced Ia-positive Langerhans' cells in AIDS [letter] **N Engl J Med** 1984 Sep 27;311(13):857–8

Reduced Langerhans' cell Ia antigen and ATPase activity in patients with the acquired immunodeficiency syndrome. Belsito DV, et al. **N Engl J Med** 1984 May 17; 310(20):1279–82

The heavy chain of human B-cell alloantigen HLA-DS has a variable N-terminal region and a constant immunoglobulin-like region. Chang HC, et al. **Nature** 1983 Oct 27–Nov 2;305(5937):813–5

Isolation of a cDNA clone coding for an SB beta-chain. Gustafsson K, et al. **Nature** 1984 May 3–9;309(5963):76–8

Molecular organization of the HLA-SB region of the human major histocompatibility complex and evidence for two SB beta-chain genes. Gorski J, et al. **Proc Natl Acad Sci USA** 1984 Jul;81(13):3934–8

Gamma-interferon induces expression of the HLA-D antigens on normal and leukemic human myeloid cells. Koeffler HP, et al. **Proc Natl Acad Sci USA** 1984 Jul; 81(13):4080–4

Experimental autoimmune encephalomyelitis in mice: Lyt and Ia phenotypes of the effector and suppressor cells. Bernard CC, et al. **Prog Clin Biol Res** 1984;146:277–84

Biological roles of tissue-specific and systemic alloantigens. Lalezari P. **Prog Clin Biol Res** 1984;149:55–75 (59 ref.)

A longitudinal study of T cell subset surface antigen expression in multiple sclerosis. Paty DW, et al. **Prog Clin Biol Res** 1984;146:119–24

Pre-inflammatory expression of fibronectin (Fn) and Ia in acute experimental allergic encephalomyelitis (EAE): modulation of endothelial cells (EC) in the immune response detected by quantitative immunoperoxidase studies using monoclonal antibodies (MAb). Sobel RA, et al. **Prog Clin Biol Res** 1984;146:81–6

Human keratinocytes express HLA-DR antigens in the tuberculin reaction. Scheynius A, et al. **Scand J Immunol** 1984 Feb;19(2):141–7

HLA DR antigens in rheumatoid arthritis. Gran JT, et al. **Scand J Rheumatol** 1983;12(3):241–5

Histocompatibility typing in the seronegative spondyloarthropathies: a survey. Espinoza LR, et al. **Semin Arthritis Rheum** 1982 Feb;11(3):375–81 (87 ref.)

The distribution of HLA-A, B, DR antigens in Chinese population. Huang CC. **Taiwan I Hsueh Hui Tsa Chih** 1983 Sep;82(9):967–71

HLA associations in sarcoidosis: a study of two ethnic groups. Gardner J, et al. **Thorax** 1984 Jan;39(1):19–22

HLA-DR and Factor VIII antibodies in hemophilia A [letter] Mayr WR, et al. **Thromb Haemost** 1984 Apr 30;51(2):293

Heated lymphocytes express HLA-DR antigens despite their inability to stimulate in MLC. Brewer JA, et al. **Tissue Antigens** 1983 Oct;22(4):246–56

An improved technique for Ia-determination in guinea pigs. Clausen JT, et al. **Tissue Antigens** 1984 Jan;23(1):41–6

HLA-DR antigens and the antibody response against Epstein-Barr virus. Cohen JH, et al. **Tissue Antigens** 1984 Mar;23(3):156–62

Autoantibodies, immune complexes and HLA-D in thyrogastric autoimmunity. Feldt-Rasmussen U, et al. **Tissue Antigens** 1983 Nov;22(5):342–7

HLA-A, -B and -DR antigens in IgA nephropathy. Hanly P, et al. **Tissue Antigens** 1984 May;23(5):270–3

HLA-D and -DR antigens on human amniotic fluid cells. II. Heterogeneous expression of HLA-DR and other cell surface markers. Kreeb G, et al. **Tissue Antigens** 1984 Jan; 23(1):61–7

Postpartum autoimmune thyroid disorder associated with HLA-DR4? Lervang HH, et al. **Tissue Antigens** 1984 Apr; 23(4):250–2

Increase of HLA-'DRw6' in patients with juvenile chronic arthritis. Reekers P, et al. **Tissue Antigens** 1983 Oct; 22(4):283–8

HLA-A, B and DR in Caucasians with transitional cell carcinoma of the bladder. Saunders PH, et al. **Tissue Antigens** 1983 Nov;22(5):389–92

HLA antigens of insulin-dependent diabetics. I. PLT colonies detecting Dw10 and a new class II determinant distinct from HLA-D, DR, MB(DC), MT, and SB. Sheehy MJ, et al. **Tissue Antigens** 1984 May;23(5):290–300

Anti-type II collagen antibodies in rheumatoid arthritis. The influence of HLA phenotype. Wooley PH, et al. **Tissue Antigens** 1984 May;23(5):263–9

An Ia-like antigen positive null cell leukemia cell line (THP-5) lacking in the stimulating capacity in autologous and allogeneic mixed lymphocyte reaction. Imaizumi M, et al. **Tohoku J Exp Med** 1984 Jan;142(1):51–8

Localization of class II MHC antigens on porcine renal vascular endothelium. Pescovitz MD, et al. **Transplantation** 1984 Jun;37(6):627–30

In-vitro-derived bone marrow macrophages. Expression of Ia antigens during macrophage differentiation. Schook LB, et al. **Transplantation** 1984 Jun;37(6):585–90

Class II antigen induction in the liver of rats with graft-versus-host disease. Suitters AJ, et al. **Transplantation** 1984 Aug;38(2):194–6

Expression of HLA-DR on T lymphocytes following renal transplantation, and association with graft-rejection episodes and cytomegalovirus infection. van Es A, et al. **Transplantation** 1984 Jan;37(1):65–9

HLA-DR antigens and HLA-B:DR haplotypes in Koreans. Kim SJ, et al. **Yonsei Med J** 1983;24(1):33–7

[HLA-DR groups in patients with alcoholic cirrhosis (letter)] Perrin D, et al. **Gastroenterol Clin Biol** 1984 Mar;8(3):292–3 **(Fre)**

[HLA system and insulin dependent diabetes in adults] Darnaud J, et al. **Journ Annu Diabetol Hotel Dieu** 1983; :149–58 **(Fre)**

[HLA groups in Horton's disease (letter)] Bignon JD, et al. **Presse Med** 1984 Feb 11;13(5):289 **(Fre)**

[HLA-A, B, C, and DR typing in rheumatoid polyarthritis] Seignalet J, et al. **Rev Med Interne** 1984 Jun;5(2):128–35 (Eng. Abstr.) **(Fre)**

[B27 – DR4 arthritis and research on symptomatic effects of B27 antigens in rheumatoid polyarthritis and DR4 in ankylosing spondylarthritis] Chalès G, et al. **Rev Rhum Mal Osteoartic** 1983 Nov;50(11):777–81 **(Fre)**

[Association of mixed connective tissue disease with Sjogren's syndrome and lupus in 2 HLA- and DR-identical sisters] Potier J, et al. **Sem Hop Paris** 1984 Apr 5; 60(15):1078–80 (Eng. Abstr.) **(Fre)**

[Attempt to use monocytes for HLA-DR typing] Májský A. **Folia Haematol (Leipz)** 1983;110(2):293–300 (Eng. Abstr.) **(Ger)**

[Expression of HLA-DR antigens (Ia-like antigens) in the cornea] Gronemeyer U, et al. **Fortschr Ophthalmol** 1983; 80(4):345–7 (Eng. Abstr.) **(Ger)**

[Chemiluminescent measuring of whole blood for quantitative determination of the immune response to pneumococcal vaccination] Heberer M, et al. **Helv Chir Acta** 1984 Jun;51(2):283–6 (Eng. Abstr.) **(Ger)**

[Is the HLA-DR associated glycoprotein p31 a ubiquitous molecule?] Thinnes FP, et al. **Hoppe Seylers Z Physiol Chem** 1983 Dec;364(12):1805–11 (Eng. Abstr.) **(Ger)**

[Effects of interferon on the cellular expression and release of Ia antigens: a comparison between human alpha and beta interferons] Dolei A, et al. **Ann Ist Super Sanita** 1982; 18(3):417–9 (Eng. Abstr.) **(Ita)**

[Expression of histocompatibility antigens in human cells treated with alpha, beta and gamma types of interferon] Capobianchi MR, et al. **G Ital Chemioter** 1984 Jan–Aug; 31(1–2):197–8 **(Ita)**

[Differential expression of class II HLA antigens in human cells treated with gamma interferon] Dolei A, et al. **G Ital Chemioter** 1984 Jan–Aug;31(1–2):195–6 **(Ita)**

[Kinetics of serum soluble HLA-A, B and DR antigens on human renal allografts] Shiramizu T. **Fukuoka Igaku Zasshi** 1983 Dec;74(12):787–95 (Eng. Abstr.) **(Jpn)**

[Two-dimensional gel analyses of HLA-D region antigens by the use of monoclonal antibodies] Takenouchi T. **Hokkaido Igaku Zasshi** 1983 May;58(3):279–91 (Eng. Abstr.) **(Jpn)**

[HLA-Dr in cases of rheumatoid arthritis. Introduction of a new marker of clinical aggressivity] Scheinberg MA, et al. **Rev Paul Med** 1983 Jul–Aug;101(4):154 **(Por)**

CLASSIFICATION

HLA-D typing and some applications. Thomsen M. **Dan Med Bull** 1984 Jun;31(3):165–86

Detection of HLA-DR associated PLT determinants by alloreactive lymphocyte clones. Zeevi A, et al. **Immunogenetics** 1983;18(3):205–20

GENETICS

The familial aggregation of rheumatoid arthritis and its relationship to the HLA-DR4 association. del Junco D, et al. **Am J Epidemiol** 1984 May;119(5):813–29

A comparison of three affected-sib-pair scoring methods to detect HLA-linked disease susceptibility genes. Suarez BK, et al. **Am J Med Genet** 1984 May;18(1):135–46

DR antigens in bullous pemphigoid. Ahmed AR, et al. **Arch Dermatol** 1984 Jun;120(6):795

Polymorphic and monomorphic HLA-DR determinants on human hematopoietic progenitor cells. Falkenburg JH, et al. **Blood** 1984 May;53(5):1125–32

The ontogeny of thymic macrophages: thymic macrophages express Ia from 15 days gestation onwards in the mouse. Robinson JH. **Cell Immunol** 1984 Apr 1;84(2):422–6

Lymphokine responses to concanavalin A stimulation: association with HLA DR antigens. MacSween JM, et al. **Clin Immunol Immunopathol** 1984 Sep;32(3):368–77

Age-related heterogeneity of insulin-dependent diabetes mellitus. Deschamps I, et al. **Diabete Metab** 1983 Dec; 9(4):259–63

Mutations and selection in the generation of class II histocompatibility antigen polymorphism. Gustafsson K, et al. **EMBO J** 1984 Jul;3(7):1655–61

Both alpha and beta chains of HLA-DC class II histocompatibility antigens display extensive polymorphism in their amino-terminal domains. Schenning L, et al. **EMBO J** 1984 Feb;3(2):447–52

HLA-A,B,C and DR antigens in Asaro speakers of Papua New Guinea. Bhatia K, et al. **Hum Immunol** 1984 Apr; 9(4):189–200

The immune response to (T,G)-A-L and GAT in man: an association of nonresponsiveness to (T,G)-A-L with HLA-DRw8. Hensen EJ, et al. **Hum Immunol** 1984 Jun; 10(2):113–27

Evidence for the separate molecular expression of four distinct polymorphic Ia epitopes on cells of DR4 homozygous individuals. Toguchi T, et al. **Hum Immunol** 1984 Jun;10(2):69–81

Structural polymorphism of human Ia antigens recognized by the monoclonal antibody I2 and by cross-reacting I-Ek-specific alloantibodies. Igarashi M, et al. **Immunogenetics** 1984;19(3):249–55

Ia-negative B-cell variants reveal a coordinate regulation in the transcription of the HLA class II gene family. Long EO, et al. **Immunogenetics** 1984;19(4):349–53

T-cell clones with similar antigen specificity may be restricted by DR, MT(DC), or SB class II HLA molecules. Qvigstad E, et al. **Immunogenetics** 1984;19(5):455–60

HLA linkage to 21-hydroxylase congenital adrenal hyperplasia. Mathews AR, et al. **Indian J Med Res** 1983 Nov;78:676–80

HLA-DR human histocompatibility leukocyte antigens-restricted lymphocyte-monocyte interactions in the release from monocytes of acidic isoferritins that suppress hematopoietic progenitor cells. Broxmeyer HE, et al. **J Clin Invest** 1984 Apr;73(4):939–53

The complexity of HLA-DS molecules. A homozygous cell line expresses multiple HLA-DS alpha chains. Karr RW, et al. **J Exp Med** 1984 May 1;159(5):1512–31

Self-recognition specificity expressed by T cells from nude mice. Absence of detectable Ia-restricted T cells in nude mice that do exhibit self-K/D-restricted T cell responses. Kruisbeek AM, et al. **J Exp Med** 1984 Sep 1;160(3):839–57

Recombination within the HLA-D region. Correlation of

molecular genotyping with functional data. Robinson MA, et al. **J Exp Med** 1984 Jul 1;160(1):222–38
The allogeneic effect: the mechanism of allosuppression by Lyt-1, Ia- T cells. Eastman AY, et al. **J Immunol** 1984 Sep;133(3):1155–62
Primary structural variation among serologically indistinguishable DS antigens: the MB3-bearing molecule in DR4 cells differs from the MB3-bearing molecule in DR5 cells. Giles RC, et al. **J Immunol** 1984 Jul;133(1):1–3
Measles virus-specific T4+ human cytotoxic T cell clones are restricted by class II HLA antigens. Jacobson S, et al. **J Immunol** 1984 Aug;133(2):754–7
Evidence implicating I region-restricted antigen presentation in alloantigen and nominal antigen recognition by a dual-reactive helper T lymphocyte clone. Ma DI, et al. **J Immunol** 1984 Sep;133(3):1101–10
Changes in the Ir gene controlled response phenotypes in mice of the Ap and Ak family of alleles expressing naturally occurring variant molecules. Shaut DM, et al. **J Immunol** 1984 Sep;133(3):1410–6
Activation of acceptor-suppressor hybridoma with antigen-specific suppressor T cell factor of two-chain type: requirement of the antigen- and the I-J-restricting specificity. Sumida T, et al. **J Immunol** 1984 Sep; 133(3):1131–6
Regulation of immune responses by I-J gene products. V. Heterogeneity of I-J gene products as detected by anti-I-J monoclonal antibodies. Waltenbaugh C, et al. **J Immunol** 1984 Oct;133(4):1730–4
Mouse T lymphocytes proliferative responses specific for human MHC products in mouse anti-human xenogeneic MLR. Yoshizawa K, et al. **J Immunol** 1984 Jun; 132(6):2820–9
Autoimmune thyroiditis and HLA-DR5 in multiple family members [letter] Sack J, et al. **J Pediatr** 1984 Aug; 105(2):333
Strong association of HLA-DR2 and MT1 with idiopathic membranous nephropathy in Japan. Hiki Y, et al. **Kidney Int** 1984 Jun;25(6):953–7
Association between rapidly progressive glomerulonephritis and the properdin factor BfF and different HLA-D region products. Müller GA, et al. **Kidney Int** 1984 Jan;25(1):115–8
Isotypic and allotypic variation of human class II histocompatibility antigen alpha-chain genes. Auffray C, et al. **Nature** 1984 Mar 22–28;308(5957):327–33
Structural relationship of the SB beta-chain gene to HLA-D-region genes and murine I-region genes. Long EO, et al. **Nature** 1984 Jul 19–25;310(5974):233–5
Organization of the transcriptional unit of a human class II histocompatibility antigen: HLA-DR heavy chain. Schamboeck A, et al. **Nucleic Acids Res** 1983 Dec 20; 11(24):8663–75
Class II HLA-DC beta-chain DNA restriction fragments differentiate among HLA-DR2 individuals in insulin-dependent diabetes and multiple sclerosis. Cohen D, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(6):1774–8
Immune interferon activates multiple class II major histocompatibility complex genes and the associated invariant chain gene in human endothelial cells and dermal fibroblasts. Collins T, et al. **Proc Natl Acad Sci USA** 1984 Aug;81(15):4917–21
Monensin prevents terminal glycosylation of the N- and O-linked oligosaccharides of the HLA-DR-associated invariant chain and inhibits its dissociation from the alpha-beta chain complex. Machamer CE, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(5):1287–91
Inherited predisposition to iridocyclitis with juvenile rheumatoid arthritis: selectivity among HLA-DR5 haplotypes. Miller ML, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(11):3539–42
Orientation of loci within the human major histocompatibility complex by chromosomal in situ hybridization. Morton CC, et al. **Proc Natl Acad Sci USA** 1984 May;81(9):2816–20
Six HLA-D region alpha-chain genes on human chromosome 6: polymorphisms and associations of DC alpha-related sequences with DR types. Spielman RS, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(11):3461–5
Analysis of the (H-2b X H-2k)F1-restricted response to insulin. Ab alpha Ak beta hybrid Ia molecules restrict the response towards the glutamic acid A4 epitope. Reske-Kunz AB, et al. **Scand J Immunol** 1984 Aug; 20(2):97–104
Is predisposition to pemphigus vulgaris in Jewish patients mediated by HLA-Dw10 and DR4? Amar A, et al. **Tissue Antigens** 1984 Jan;23(1):17–22
Do identical HLA-DR3 genes convey susceptibility to celiac disease and insulin dependent diabetes mellitus? Brautbar C, et al. **Tissue Antigens** 1984 Jan;23(1):58–60
Linkage disequilibrium between the HLA-B14 subdivisions and HLA-A, DR and properdin factor B alleles. Darke C. **Tissue Antigens** 1984 Jan;23(1):68–71
Relation of insulin-dependent diabetes mellitus (IDD) and the HLA-linked SB system. de Jong BM, et al. **Tissue Antigens** 1984 Feb;23(2):87–93
The gene frequency of SB alleles in the Japanese population. Nishimura Y, et al. **Tissue Antigens** 1984 May;23(5):314–5
Coeliac disease and C4A*QO: an association secondary to HLA-DR3. Rittner C, et al. **Tissue Antigens** 1984 Feb; 23(2):130–4
Prospective HLA-DR matching in cadaveric renal transplantation. Takagi H, et al. **Transplant Proc** 1983 Dec; 15(4):2139–41
The serological definition of polymorphic HLA-D region gene products on cultured T cells. Detection of DR and MT antigens. Zier KS, et al. **Transplantation** 1984 May; 37(5):514–7
[Genetic analysis of a Toba indian population. Study of the frequency of HLA-DR] Pirosky I, et al. **Medicina (B Aires)** 1983;43(3):281–4 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Expression of HLA-DR antigens and cell proliferation in acute lymphoblastic leukemia of children. Hirt A, et al. **Acta Haematol (Basel)** 1984;72(1):1–6
HLA A, B and DR typing in idiopathic dilated cardiomyopathy: a search for immune response factors. Anderson JL, et al. **Am J Cardiol** 1984 May 1;53(9):1326–30
Immune response and leucine oxidation in oral and intravenous fed rats. Birkhahn RH, et al. **Am J Clin Nutr** 1984 Jan;39(1):45–53
Zinc nutriture in the elderly in relation to taste acuity, immune response, and wound healing. Sandstead HH, et al. **Am J Clin Nutr** 1982 Nov;36(5 Suppl):1046–59 (115 ref.)
Difference between young and old patients in characteristics of leukemic cells: older patients have cells growing excessively in vitro, with low antigenicity despite high HLA-DR antigens. Giannoulis N, et al. **Am J Hematol** 1984 Feb;16(2):113–21
IgA nephropathy associated with HLA-DR4 antigen. Nomoto Y, et al. **Am J Nephrol** 1984 May-Jun;4(3):184–7
Macrophage function in the Schistosoma mansoni egg-induced pulmonary granuloma. Role of arachidonic acid metabolites in macrophage Ia antigen expression. Kunkel SL, et al. **Am J Pathol** 1984 Feb;114(2):240–9
Distribution and kinetics of mononuclear phagocytes in granulomas elicited by eggs of Schistosoma mansoni. Stadecker MJ, et al. **Am J Pathol** 1984 Aug;116(2):245–52
Effect of pregnancy plasma and monoclonal antibodies to HLA and DR antigens on leukocyte migration. Hegde UC, et al. **Am J Reprod Immunol** 1984 Jan-Feb;5(1):25–7
Habitual abortion: parental sharing of HLA antigens, absence of maternal blocking antibody, and suppression of maternal lymphocytes. Unander AM, et al. **Am J Reprod Immunol** 1983 Dec;4(4):171–8
Expression of Ia-like (DR) antigen on human alveolar macrophages isolated by bronchoalveolar lavage. Razma AG, et al. **Am Rev Respir Dis** 1984 Mar;129(3):419–24
The conundrum of immune response: two Ia loci specifically control multiple immune responses. Fathman CG. **Ann Immunol (Paris)** 1984 May-Jun;135C(3):420–3 (16 ref.)
Anti-Ia.7 antibodies recognize a 'major' idiotype of the anti-TNP antibody response in BALB/c mice. Forsgren S, et al. **Ann Immunol (Paris)** 1984 Jan-Feb;135C(1):157–62
The role of B-cell I region encoded antigens in T-cell dependent B-cell activation: I region encoded antigen density correlates with idiotype expression. Bottomly K, et al. **Ann NY Acad Sci** 1983;418:230–9
Idiotypes of anti-major histocompatibility complex antibodies. Sachs DH, et al. **Ann NY Acad Sci** 1983; 418:265–71
Restricting elements in the immunological circuitry: the role of I region-controlled determinants. Tada T, et al. **Ann NY Acad Sci** 1983;418:189–97
HLA-DR4 is not a requisite for autoimmunity to collagen in rheumatoid arthritis. Kammer GM, et al. **Arthritis Rheum** 1984 May;27(5):489–94
Rheumatoid arthritis and sterile corneal ulceration. Analysis of tissue immune effector cells and ocular epithelial antigens using monoclonal antibodies. Michels ML, et al. **Arthritis Rheum** 1984 Jun;27(6):606–14
Defective expression of mononuclear cell membrane HLA antigens associated with combined immunodeficiency: impaired cellular interactions. Zegers BJ, et al. **Birth Defects** 1983;19(3):93–6
Differential expression of HLA-DR and HLA-DC/DS molecules in a patient with hairy cell leukemia: restoration of HLA-DC/DS expression by (12-0-tetradecanoyl phorbol-13-acetate), 5 azacytidine, and sodium butyrate. Faille A, et al. **Blood** 1984 Jul;64(1):33–7
Immune responses to viral antigens in man and their relevance to vaccine development: memorandum from a WHO meeting. **Bull WHO** 1983;61(6):935–40
An HLA-DR negative acute leukaemia which stimulates MLC and CMC responses. Taylor GM, et al. **Cancer Immunol Immunother** 1983;16(2):117–22
Functional consequence of variation in melanoma antigen expression. Zehngebot LM, et al. **Cancer Immunol Immunother** 1983;16(1):30–4
A role for Ia antigens in thymocyte binding by macrophages. Agrwal N, et al. **Cell Immunol** 1984 Apr 1;84(2):352–60
Adoptive transfer of experimental autoimmune thyroiditis (EAT) in guinea pigs: requirement for Ia-positive antigen-presenting cells for in vitro activation of effector T cells. Braley-Mullen H, et al. **Cell Immunol** 1983 Oct 15;81(2):243–52
Cellular immune response to acetylcholine receptors in murine experimental autoimmune myasthenia gravis: inhibition with monoclonal anti-I-A antibodies. Christadoss P, et al. **Cell Immunol** 1983 Oct 1;81(1):1–8
Receptor specificity of Ia-restricted T lymphoblasts activated against trinitrobenzene sulfonate-coupled spleen cells: recognition of distinct trinitrophenyl and Ia moieties. Elliott BE, et al. **Cell Immunol** 1984 Mar;84(1):121–37
Role of HLA-DR bearing Langerhans and epidermal indeterminate cells in the in vitro generation of alloreactive cytotoxic T cells in man. Faure M, et al. **Cell Immunol** 1984 Feb;83(2):271–9
Increased expression of HLA-DR antigens in hydrocortisone-treated monocytes. Gerrard TL, et al. **Cell Immunol** 1984 Apr 1;84(2):311–6
Differential effect of monoclonal anti-DR antibody on monocytes in antigen- and mitogen-stimulated responses: mechanism of inhibition and relationship to interleukin 1 secretion. Gerrard TL, et al. **Cell Immunol** 1983 Dec; 82(2):394–402
Ia- and IgG-Fc receptor-positive accessory cell sustains peripheral T lymphocyte but not thymocyte mitogenesis induced by OKT3 monoclonal antibody. Musiani P, et al. **Cell Immunol** 1984 Apr 1;84(2):333–40
Induction of T-cell proliferation by an Ia+ monocytic tumor clone. Rosenson RS, et al. **Cell Immunol** 1984 Mar; 84(1):41–50
Serological and biological cross-reactivity of class II antigens between mice and humans in antigen-specific T-cell proliferative responses. Yamamoto M, et al. **Cell Immunol** 1984 Sep;87(2):659–73
T suppressor factor activity is due to two separate molecules. The Lyt-1(-)2+I-J+ cells of mice primed with antigen make an antigen binding molecule which is only active when complemented by cofactor made by Lyt-1+2(-)I-J+ cells. Zembala M, et al. **Cell Immunol** 1984 Aug;87(1):240–51
The role of MHC class II antigenic determinants in the function of human antigen binding T8+ cells, monocytes and helper and suppressor factors. Lehner T, et al. **Clin Exp Immunol** 1984 Jun;56(3):683–93
Immune responses in cardiac transplantation. I. Detection of activated TIa+ cells in the blood during herpes virus infections. O'Toole CM, et al. **Clin Exp Immunol** 1984 Sep; 57(3):671–8
Increased expression of human monocyte HLA-DR antigens and Fc gamma receptors in response to human interferon in vivo. Rhodes J, et al. **Clin Exp Immunol** 1983 Sep; 53(3):739–43
Expression of HLA-DR antigens by colonic epithelium in inflammatory bowel disease. Selby WS, et al. **Clin Exp Immunol** 1983 Sep;53(3):614–8
Low T lymphocyte responsiveness to Mycobacterium leprae antigens in association with HLA-DR3. van Eden W, et al. **Clin Exp Immunol** 1984 Jan;55(1):140–8
Immune response in experimentally induced uremia. VI. Uremic macrophages are defective in their ability to present antigen to T cells. Alevy YG, et al. **Clin Immunol Immunopathol** 1983 Dec;29(3):433–42
Thyroglobulin-induced T-cell in vitro proliferation in Hashimoto's thyroiditis: identification of the responsive subset and effect of monoclonal antibodies directed to Ia antigens. Canonica GW, et al. **Clin Immunol Immunopathol** 1984 Aug;32(2):132–41
Ia antigen expression is increased on tunicamycin-resistant human B-lymphoid cells. Glassy MC, et al. **Clin Immunol Immunopathol** 1984 Jul;32(1):90–100
Persistence of Ia antigen and antigen-presenting activity by cultured human monocytes. Mori M, et al. **Clin Immunol Immunopathol** 1984 Mar;30(3):387–92
Deficient DR antigen expression on human cord blood monocytes: reversal with lymphokines. Stiehm ER, et al. **Clin Immunol Immunopathol** 1984 Mar;30(3):430–6
Functional significance of the regulation of macrophage Ia expression. Beller DI. **Eur J Immunol** 1984 Feb; 14(2):138–43
Interactions between immunoglobulins and I region antigens on the B lymphocyte membrane. Forni L. **Eur J Immunol** 1984 Aug;14(8):714–20
Monoclonal antibodies to polymorphic epitopes on Ia antigens: three independent groups of determinants expressed on DRw6 homozygous cells. Johnson JP, et al. **Eur J Immunol** 1984 Aug;14(8):739–44
On the role of I-A antigens in lectin- and antigen-induced interleukin 2 production. Larsson EL, et al. **Eur J Immunol** 1984 May;14(5):431–5
B lymphocyte activation upon exclusive recognition of major histocompatibility antigens by T helper cells. Pobor G, et al. **Eur J Immunol** 1984 Mar;14(3):222–7
Clonal expression of differentiation and Ia-like antigens on alloreactive human T lymphocytes. Schendel DJ, et al. **Eur J Immunol** 1984 Apr;14(4):363–8
Epitope specificity and Ia restriction of T cell responses to insulin in a system of complementing Ir genes: analysis with primed lymph node T cells and a long-term cultured T cell line. Spaeth E, et al. **Eur J Immunol** 1983 Sep; 13(9):756–61
HLA-DC antigens can serve as recognition elements for human cytotoxic T lymphocytes. Spits H, et al. **Eur J Immunol** 1984 Apr;14(4):299–304
Pure interferon gamma enhances class II HLA antigens on human monocyte cell lines. Virelizier JL, et al. **Eur J Immunol** 1984 Jan;14(1):106–8
Ia-positive T lymphocytes are the producer cells of interferon gamma. Schober I, et al. **Exp Cell Res** 1984 Jun; 152(2):348–56
Clinical and immunologic studies of HLA-DR typed insulin-dependent diabetics--a mini-review. Schernthaner G, et al. **Exp Clin Endocrinol** 1984 Apr;83(2):184–91 (49 ref.)
The importance of cross-reactions between species: mouse

allo-anti-Ia monoclonal antibodies as a powerful tool to define human Ia subsets. Accolla RS, et al. **Hum Immunol** 1983 Sep;8(1):75–82

Regulation of expression of class II major histocompatibility antigens on human peripheral blood monocytes and Langerhans cells by interferon. Basham T, et al. **Hum Immunol** 1984 Jun;10(2):83–93

Human allospecific T cell proliferative clones: different T cell clones expressing an apparently identical HLA class II specificity are heterogeneous in regard to their proliferative inhibition by a panel of monoclonal antibodies against human Ia-like antigens. Bourgue F, et al. **Hum Immunol** 1983 Sep;8(1):33–40

Characterization and expression of the HLA-DC antigens defined by anti-Leu 10. Chen YX, et al. **Hum Immunol** 1984 Aug;10(4):221–35

EBV transformed B cell lines present to antigen specific T cell clones determinants different from those recognized by antibody in an HLA-DR linked restricted fashion. Chu E, et al. **Hum Immunol** 1983 Nov;8(3):217–26

Strong HLA-DR expression in T cell cultures after activation is necessary for IL-2-dependent proliferation. Effros RB, et al. **Hum Immunol** 1983 Dec;8(4):249–54

HLA-DS molecules and their relation to supertypic specificities. Goyert SM, et al. **Hum Immunol** 1983 Sep; 8(1):53–63

Clonal distribution of human T cells recognizing PPD in the context of each of two distinct Ia molecules. Koide Y, et al. **Hum Immunol** 1984 Aug;10(4):203–12

A mouse monoclonal antibody detecting a DR-related MT2-like specificity: serology and biochemistry. Koning F, et al. **Hum Immunol** 1984 Apr;9(4):221–30

Heterogeneity of class II histocompatibility antigens isolated from a human lymphoblastoid B cell line homozygous at the HLA loci (HLA-A3, 3; B7, 7; Dw2, 2; DR2,2; DC1,1; MB1,1; MT1,1). Kratzin H, et al. **Hum Immunol** 1983 Sep; 8(1):65–73

Strong lymphoproliferative suppressive function of PLT clones specific for SB-like antigens. Pawelec G, et al. **Hum Immunol** 1984 Mar;9(3):145–57

A current view of the human Ia system based on serological and immunochemical analysis. Sorrentino R, et al. **Hum Immunol** 1983 Sep;8(1):45–51

The role of HLA in T cell activation. Thorsby E. **Hum Immunol** 1984 Jan;9(1):1–7

A monoclonal antibody that blocks class II histocompatibility-related immune interactions. Todd RF 3d, et al. **Hum Immunol** 1984 May;10(1):23–40 (72 ref.)

Characterization of three new intra-I region recombinant mouse strains, B10.ASR7 (H-2as3), B10.BAR4 (H-2h6), and B10.BASR1 (H-2as4). Allen PM, et al. **Immunogenetics** 1984;19(2):175–8

Molecular events in the processing of avidin by antigen-presenting cells (APC). III. Activation of T-lymphocyte lines and H-2 restriction are mediated by processed avidin associated with I-region gene products. Friedman A, et al. **Immunogenetics** 1983;18(3):291–302

Monoclonal antibodies to mouse MHC antigens. I. Serologic characterization of ten anti-H-2 and anti-Ia reagents. Hauptfeld V, et al. **Immunogenetics** 1984;19(2):169–73

Restriction molecules involved in the interaction of human T cell clones with antigen-presenting cells. Koide Y, et al. **Immunol Lett** 1984;7(4):209–13

Production and characterization of monoclonal antibodies recognizing the alpha-chain subunits of human Ia alloantigens. Adams TE, et al. **Immunology** 1983 Dec; 50(4):613–24

Suppression of the mixed lymphocyte reaction by alloantigen-primed and -stimulated human spleen lymphocytes. Akbar AN, et al. **Immunology** 1984 Feb; 51(2):361–6

Ontogeny of antigen-presenting activity of haptenized cells in mice: early development of syngeneic T cell-stimulatory cells in thymus. Hosono M, et al. **Immunology** 1984 Jan; 51(1):161–8

Inhibition of autologous mixed lymphocyte reaction by monoclonal antibodies specific for the beta chain of HLA-DR antigens. Kasahara M, et al. **Immunology** 1984 Sep;53(1):79–86

The role of rabbit Ia molecules in immune functions as determined with the use of an anti-Ia monoclonal antibody. Lobel SA, et al. **Immunology** 1984 Jan;51(1):35–43

Accessory cell and HLA compatibility requirements for the generation of specific in-vitro antibody responses to influenza virus by human blood lymphocytes. Mitchell DM, et al. **Immunology** 1983 Oct;50(2):239–50

Association of an inflammatory I region-associated antigen-positive macrophage influx and genetic resistance of inbred mice to Rickettsia tsutsugamushi. Jerrells TR. **Infect Immun** 1983 Nov;42(2):549–57

Antibody-dependent cell-mediated cytotoxicity against HLA-A, HLA-B and HLA-DR specificities. Akiyama N, et al. **Int Arch Allergy Appl Immunol** 1984;74(3):286–8

HLA-DR histocompatibility leukocyte antigens permit cultured human melanoma cells from early but not advanced disease to stimulate autologous lymphocytes. Guerry D 4th, et al. **J Clin Invest** 1984 Jan;73(1):267–71

A method to facilitate the reading of up to 60 samples of monoclonal antibody-fluorescence stained cells using Medicell HLA-DR plates. Sensi M, et al. **J Clin Lab Immunol** 1984 Feb;13(2):101–2

Treatment of (NZB x NZW)F1 disease with anti-I-A monoclonal antibodies. Adelman NE, et al. **J Exp Med** 1983 Oct 1;158(4):1350–5

Delineation of an immunoregulatory amplifier population recognizing autologous Ia molecules. Analysis with human T cell clones. Bensussan A, et al. **J Exp Med** 1984 Feb 1;159(2):559–76

Mechanisms of Ly2 suppressor cell activity. Activation of an Ly1 I-J+ cell is required to transduce the suppressive signal. Flood PM, et al. **J Exp Med** 1984 May 1; 159(5):1413–28

Multiple functional sites on a single Ia molecule defined using T cell clones and antibodies with chain-determined specificity. Frelinger JG, et al. **J Exp Med** 1984 Mar 1; 159(3):704–15

Serologic and functional characterization of a panel of antigen-presenting cell lines expressing mutant I-A class II molecules. Glimcher LH, et al. **J Exp Med** 1983 Nov 1;158(5):1573–88

The role of L3T4 in recognition of Ia by a cytotoxic, H-2Dd-specific T cell hybridoma. Greenstein JL, et al. **J Exp Med** 1984 Apr 1;159(4):1213–24

The Fab fragment of a directly activating monoclonal antibody that precipitates a disulfide-linked heterodimer from a helper T cell clone blocks activation by either allogeneic Ia or antigen and self-Ia. Kaye J, et al. **J Exp Med** 1984 May 1;159(5):1397–412

The major histocompatibility complex-restricted antigen receptor on T cells. II. Role of the L3T4 product. Marrack P, et al. **J Exp Med** 1983 Oct 1;158(4):1077–91

A novel HLA-D/DR-like antigen specific for human B lymphoid cells. Biochemical evidence for similarity to but nonidentity with known HLA-D/DR antigens. Marti GE, et al. **J Exp Med** 1983 Dec 1;158(6):1924–37

B cell activation. III. B cell plasma membrane depolarization and hyper-Ia antigen expression induced by receptor immunoglobulin cross-linking are coupled. Monroe JG, et al. **J Exp Med** 1983 Nov 1;158(5):1589–99

Selective modification of a private I-A allo-stimulating determinant(s) upon association of antigen with an antigen-presenting cell. Rock KL, et al. **J Exp Med** 1984 Apr 1;159(4):1238–52

Dichotomy in the tissue origin of schistosome acquired class I and class II major histocompatibility complex antigens. Sher A, et al. **J Exp Med** 1984 Mar 1;159(3):952–7

Anti I-A antibody suppresses active encephalomyelitis: treatment model for diseases linked to IR genes. Sriram S, et al. **J Exp Med** 1983 Oct 1;158(4):1362–7

Immunologic characterization of MHC recombinant swine: role of class I and II antigens in in vitro immune responses. Thistlethwaite JR Jr, et al. **J Immunogenet** 1984 Feb; 11(1):9–19

Activation of type III pneumococcal polysaccharide-specific suppressor T cells in cyclophosphamide-treated mice requirement for recognition of antigen and I-J determinants on antigen coupled to syngeneic spleen cells. Braley-Mullen H. **J Immunol** 1983 Nov;131(5):2190–5

Lactoferrin acts on I-A and I-E/C antigen+ subpopulations of mouse peritoneal macrophages in the absence of T lymphocytes and other cell types to inhibit production of granulocyte-macrophage colony stimulatory factors in vitro. Broxmeyer HE, et al. **J Immunol** 1984 Jul; 133(1):306–14

Intraepithelial lymphocytes modulate Ia expression by intestinal epithelial cells. Cerf-Bensussan N, et al. **J Immunol** 1984 May;132(5):2244–52

Immunoregulatory activities of autoreactive T cells: an I-A-specific T cell clone mediates both help and suppression of antibody responses. Clayberger C, et al. **J Immunol** 1984 May;132(5):2237–43

Shared idiotope on monoclonal anti-Ia.7 antibodies reactive with determinants in a structural domain of the I-E molecules. Devaux C, et al. **J Immunol** 1984 Mar; 132(3):1353–60

Analysis of structural properties and cellular distribution of avian Ia antigen by using monoclonal antibody to monomorphic determinants. Ewert DL, et al. **J Immunol** 1984 May;132(5):2524–30

The role of I-A/E molecules in B lymphocyte activation. I. Inhibition of lipopolysaccharide-induced responses by monoclonal antibodies. Forsgren S, et al. **J Immunol** 1984 Oct;133(4):2104–10

In vivo administration of anti-I-A antibody induces the internalization of B cell surface I-A and I-E without affecting the expression of surface immunoglobulin. Fultz M, et al. **J Immunol** 1984 Jul;133(1):91–7

Enhanced alveolar macrophage Ia antigen expression after asbestos inhalation. Hartmann DP, et al. **J Immunol** 1984 Jun;132(6):2693–5

Monoclonal antibodies specific for Ia glycoproteins raised by immunization with activated T cells: possible role of T cellbound Ia antigens as targets of immunoregulatory T cells. Janeway CA Jr, et al. **J Immunol** 1984 Feb; 132(2):662–7

Isolation and characterization of an I-A-restricted T cell clone with dual specificity for poly(Glu60Ala30Tyr10) (GAT) and Mlsa,dl. Jenkins MK, et al. **J Immunol** 1984 Aug;133(2):616–22

A DC-specific cytolytic T lymphocyte line is OKT8+1. Krensky AM, et al. **J Immunol** 1983 Dec;131(6):2777–80

Self recognition of accessory cell Ia determinants is required for the in vitro generation of hapten-specific cytotoxic T lymphocyte responses. Kruisbeek AM, et al. **J Immunol** 1983 Oct;131(4):1650–5

Discordant expression of human Ia-like antigens on hematopoietic progenitor cells. Linch DC, et al. **J Immunol** 1984 May;132(5):2324–9

Accessory cells in immune suppression. I. Role of I-A+ accessory cells in effector phase idiotype-specific suppression of myeloma function. Moser G, et al. **J Immunol** 1983 Oct;131(4):1728–33

A rat anti-mouse T4 monoclonal antibody (H129.19) inhibits the proliferation of Ia-reactive T cell clones and delineates two phenotypically distinct (T4+, Lyt-2,3-, and T4-, Lyt-2,3+) subsets among anti-Ia cytolytic T cell clones. Pierres A, et al. **J Immunol** 1984 Jun;132(6):2775–82

A human Ia cytoplasmic determinant located on multiple forms of invariant chain (gamma, gamma 2, gamma 3). Quaranta V, et al. **J Immunol** 1984 Apr;132(4):1900–5

Anti-idiotypic antibodies to HLA-DR4 and DR2. Reed E, et al. **J Immunol** 1983 Dec;131(6):2890–4

The role of Ia molecules in the activation of T lymphocytes. IV. The basis of the thymocyte IL 1 response and its possible role in the generation of the T cell repertoire. Rock KL, et al. **J Immunol** 1984 Apr;132(4):1654–62

Two Ia.17-specific monoclonal antibodies detect the same epitope but do not share idiotype. Sher MR, et al. **J Immunol** 1984 Jul;133(1):338–44

Mouse alloantibodies capable of blocking cytotoxic T cell function. V. The majority of I region-specific CTL are Lyt-2+ but are relatively resistant to anti-Lyt-2 blocking. Shinohara N, et al. **J Immunol** 1984 Feb;132(2):578–83

T cell-accessory cell interactions that initiate allospecific cytotoxic T lymphocyte responses: existence of both Ia-restricted and Ia-unrestricted cellular interaction pathways. Singer A, et al. **J Immunol** 1984 May; 132(5):2199–209

Monoclonal antibody to L3T4 blocks the function of T cells specific for class 2 major histocompatibility complex antigens. Swain SL, et al. **J Immunol** 1984 Mar; 132(3):1118–23

Differential inhibition of human antigen-specific T cell clone proliferative responses by distinct monoclonal anti-HLA-DR antibodies. Triebel F, et al. **J Immunol** 1984 Apr;132(4):1773–8

T lymphocyte-dependent B lymphocyte proliferative response to antigen. II. Induction of polyclonal B lymphocyte activation of normal B cells and of Lyb-5- B cells from xid mice via recognition of self-IA antigens. Tse HY, et al. **J Immunol** 1984 Oct;133(4):1792–800

Antigen presentation: comments on its regulation and mechanism. Unanue ER, et al. **J Immunol** 1984 Jan; 132(1):1–5

Changes in Ia expression in mouse kidney during acute graft-vs-host disease. Wadgymar A, et al. **J Immunol** 1984 Apr;132(4):1826–32

The proliferating cells in autoimmune MRL/1pr mice lack L3T4, an antigen on 'helper' T cells that is involved in the response to class II major histocompatibility antigens. Wofsy D, et al. **J Immunol** 1984 Jun;132(6):2686–9

Human cytotoxic T cell clones directed against herpes simplex virus-infected cells. I. Lysis restricted by HLA class II MB and DR antigens. Yasukawa M, et al. **J Immunol** 1984 Jul;133(1):422–7

Human leukocyte antigen (HLA)-linked control of susceptibility to pulmonary tuberculosis and association with HLA-DR types. Singh SP, et al. **J Infect Dis** 1983 Oct;148(4):676–81

Association of altered dynamics of monocyte surface expression of human leukocyte antigen DR with immunosuppression in tuberculosis. Tweardy DJ, et al. **J Infect Dis** 1984 Jan;149(1):31–7

HLA-DR antigen expression in primary melanomas of the skin. Bröcker EB, et al. **J Invest Dermatol** 1984 Mar; 82(3):244–7

Characterization of T lymphocyte and monocyte populations in HLA B8/DRw3 normal individuals and in patients with dermatitis herpetiformis. Hall RP, et al. **J Invest Dermatol** 1984 Mar;82(3):231–4

Monoclonal antibodies directed against human Ia antigens detect an evolutionary conserved epitope on guinea pig Ia antigens with unique functional properties. Zweig SE, et al. **J Leukocyte Biol** 1984 Jan;35(1):101–13

Ia-restricted interaction of normal lymphoid cells and SJL lymphoma (reticulum cell sarcoma) leading to lymphokine production. III. Relative roles of reticulum cell sarcoma and normal lymphoid cells in lymphokine production. Hayama T, et al. **JNCI** 1984 Feb;72(2):321–31

Ia-restricted interaction of normal lymphoid cells and SJL lymphoma (reticulum cell sarcoma) leading to lymphokine production. II. Rapid production of antibody-enhancing factor, interleukin 2, and immune interferon. Ponzio NM, et al. **JNCI** 1984 Feb;72(2):311–20

Role of aberrant HLA-DR expression and antigen presentation in induction of endocrine autoimmunity. Bottazzo GF, et al. **Lancet** 1983 Nov 12;2(8359):1115–9

Aberrant expression of HLA-DR antigen on thyrocytes in Graves' disease: relevance for autoimmunity. Hanafusa T, et al. **Lancet** 1983 Nov 12;2(8359):1111–5

Class II antigen expression in autoimmune disease [letter] Taub F. **Lancet** 1984 Mar 10;1(8376):561

Monoclonal antibodies detect polymorphic determinants shared by I-A and I-E antigens. Koch N, et al. **Mol Immunol** 1984 Apr;21(4):293–9

Mouse Ia antigens are receptors for lactate dehydrogenase

virus. Inada T, et al. **Nature** 1984 May 3-9;309(5963):59-61
Genetically restricted antigen presentation for immunological tolerance and suppression. Lowy A, et al. **Nature** 1984 Mar 22-28;308(5957):373-5
Effect of IFN-gamma on the immune response in vivo and on gene expression in vitro. Nakamura M, et al. **Nature** 1984 Jan 26-Feb 1;307(5949):381-2
Lymphocytes recognize human vascular endothelial and dermal fibroblast Ia antigens induced by recombinant immune interferon. Pober JS, et al. **Nature** 1983 Oct 20-26; 305(5936):726-9
Successful transplantation across major histocompatibility barrier of deoxyguanosine-treated embryonic thymus expressing class II antigens. Ready AR, et al. **Nature** 1984 Jul 19-25;310(5974):231-3
HLA class II antigens and monoclonal antibodies [news] Shaw S, et al. **Nature** 1983 Dec 8-14;306(5943):538-9
HLA-DR antigens on lymphoid cells differ from those on myeloid cells. Torok-Storb B, et al. **Nature** 1983 Oct 6-12; 305(5934):541-3
Strong association of idiopathic membranous nephropathy with HLA-DR2 and MT1 in Japanese. Tomura S, et al. **Nephron** 1984;36(4):242-5
Expression of Ia antigens by cultured astrocytes treated with gamma-interferon. Hirsch MR, et al. **Neurosci Lett** 1983 Oct 31;41(1-2):199-204
Genetic control of major histocompatibility complex-linked immune responses to synthetic polypeptides in man: poly(L-phenylalanine, L-glutamic acid)-poly (DL-alanine)--poly(L-lysine) and L-glutamic acid, L-alanine, L-tyrosine (60:30:10). Chan MM, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(11):3521-5
Idiotypic determinants of natural IgM antibodies that resemble self Ia antigens. Holmberg D, et al. **Proc Natl Acad Sci USA** 1984 May;81(10):3175-9
Structural analysis of antigen-specific Ia-bearing regulatory T-cell factors: gel electrophoretic analysis of the antigen-specific augmenting T -cell factor. Miyatani S, et al. **Proc Natl Acad Sci USA** 1983 Oct;80(20):6336-40
Disappearance and reappearance of B cells after in vivo treatment with monoclonal anti-I-A antibodies. Waldor MK, et al. **Proc Natl Acad Sci USA** 1984 May;81(9):2855-8
HLA and bone marrow transplantation. Bach FH. **Prog Clin Biol Res** 1984;149:257-70
Expression of Ia antigen by cells responsible for enhanced transfer of EAE. Driscoll BF, et al. **Prog Clin Biol Res** 1984;146:291-8
HLA serology--1983. Grumet FC. **Prog Clin Biol Res** 1984; 149:207-20
Studies on human Ia supertypic specificities by complement fixation on PHA blasts. I. Serological properties of DC1 specificity. Guilherme L, et al. **Rev Fr Transfus Immunohematol** 1983 Sep;26(4):379-94
T-cell proliferation and expression of MHC class II antigens. Brown G, et al. **Scand J Immunol** 1984 Apr;19(4):373-7
Characterization of Ia+ non-lymphoid cells in peripheral lymph from congenitally athymic nude rats. Fossum S. **Scand J Immunol** 1984 Jan;19(1):49-61
Study of activated T cells in man. I. Discrepancy between Tac antigen and DR Antigen on T cells in patients with primary immunodeficiency. Gupta S. **Scand J Immunol** 1984 May;19(5):465-8
Functional analysis of B-L (Ia-like) antigen-bearing chicken peripheral blood cells. Hála K, et al. **Scand J Immunol** 1984 Jul;20(1):15-9
Plaque-forming cells in man. III. Generation of plaque-forming cells in allogeneic in vitro cultures of HLA-D/DR-incompatible B and T lymphocytes. Tauris P, et al. **Scand J Immunol** 1984 May;19(5):419-24
Competition of chemically related antigens for presentation by accessory cells to T cells requires expenditure of metabolic energy by the accessory cells. Werdelin O, et al. **Scand J Immunol** 1983 Dec;18(6):561-6
Pathophysiological assessment--macrophages. Bendtzen K. **Scand J Rheumatol [Suppl]** 1983;51:70-2
New facts on HLA genetics: are they relevant in bone marrow transplantation? van Rood JJ, et al. **Semin Hematol** 1984 Apr;21(2):65-80 (126 ref.)
I-J subregion and suppressor signals. Bromberg JS, et al. **Surv Immunol Res** 1982;1(1):67-75 (35 ref.)
Self Ia-recognizing T cells undergo an ordered series of interactions with Ia-bearing substrate cells of defined function during their development: a model. Janeway CA Jr, et al. **Surv Immunol Res** 1984;3(1):45-54
I-J determinants as restriction and activation signals. Lowy A, et al. **Surv Immunol Res** 1983;2(3):233-6
B8, DR3 antigens and production of human leucocyte migration inhibitory factor (LIF) by mononuclear cells stimulated with concanavalin A (Con A). Caruso C, et al. **Tissue Antigens** 1983 Aug;22(2):167-9
Antibodies directed against HLA-DR gene products exhibit the CYNAP phenomenon. Gebel HM, et al. **Tissue Antigens** 1984 Mar;23(3):135-40
Cell-mediated PPD-specific cytotoxicity against human monocyte targets: evidence for restriction by class II HLA antigens. Hansen PW, et al. **Tissue Antigens** 1984 Mar; 23(3):171-80
The impact of HLA-DR compatibility on cadaver kidney graft survival in a prospective study with special emphasis on the quality of typing. Jakobsen BK, et al. **Tissue Antigens** 1984 Feb;23(2):94-103
Intra HLA-D/DR region recombinant detected by primed lymphocyte typing (PLT). Jakobsen BK, et al. **Tissue Antigens** 1983 Aug;22(2):123-33
Influence of HLA-D/DR antigen disparity in CTL generation in vitro. Johnsen HE, et al. **Tissue Antigens** 1983 Aug;22(2):142-50
Association of HLA-DR4 with myasthenia gravis in the Chinese. Lee TD, et al. **Tissue Antigens** 1984 Feb; 23(2):127-9
Mouse monoclonal antibody detects a new polymorphic Ia determinant other than HLA-DR antigen: a possible allele of DC-1. Maeda H. **Tissue Antigens** 1984 Mar;23(3):163-70
The effect of complement variation on HLA-DR sera. Middleton D. **Tissue Antigens** 1984 Feb;23(2):105-6
Comments on the use of cord-blood mononuclear cells in screening for DR specific maternal antibodies. Pollack MS, et al. **Tissue Antigens** 1983 Sep;22(3):227-8
Allo-immune anti-Iak sera of individual mice detect HLA-DR-associated polymorphism on human B cells. van Mourik P, et al. **Tissue Antigens** 1983 Aug;22(2):134-41
Anti-Ia reactivity in sera from subjects with Entamoeba histolytica infection. De Simone C, et al. **Trans R Soc Trop Med Hyg** 1984;78(1):64-8
Persistence and specificity of accessory cell impairment in M-MuLV neonatally injected mice. Biasi G, et al. **Transplant Proc** 1983 Dec;15(4):2125-7
Immunohistologic analysis of the cell surface antigens of human dendritic cells using monoclonal antibodies. Hancock WW, et al. **Transplant Proc** 1984 Aug;16(4):963-7
Cyclosporine A: a tool for analyzing the function of class I MHC antigen-reactive T cells in vivo. Hodgkin PD, et al. **Transplant Proc** 1984 Aug;16(4):968-9
Combined immunosuppression with cyclosporine and methotrexate in dogs given bone marrow grafts from DLA-haploidentical littermates. Deeg HJ, et al. **Transplantation** 1984 Jan;37(1):62-5
Successful transplantation of cyclosporine-treated haploidentical living-related renal recipients without blood transfusions. Flechner SM, et al. **Transplantation** 1984 Jan; 37(1):73-6
HLA-DR (Ia)-positive dendritic-like cells in human fetal nonlymphoid tissues. Hofman FM, et al. **Transplantation** 1984 Jun;37(6):590-4
HLA-DRW6 and treatment of acute rejection with antithymocyte globulin. Hoitsma AJ, et al. **Transplantation** 1984 Jul;38(1):25-8
The impact of HLA-DR antigen matching on the survival of cadaveric renal allografts. A prospective one-center analysis. Madsen M, et al. **Transplantation** 1983 Oct; 36(4):379-83
Lack of donor-specific tolerance in mice with established anti-Ia-treated islet allografts. Morrow CE, et al. **Transplantation** 1983 Dec;36(6):691-4
Abrogation of anterior-chamber-induced suppression of delayed-type hypersensitivity responses by monoclonal anti-I-J antibodies. Niederkorn JY, et al. **Transplantation** 1984 Jun;37(6):623-5
Ability of neonatally induced tolerance of Ia antigens to overcome adoptive transfer of allo-Ia immunity and to erase its memory. Streilein JW, et al. **Transplantation** 1984 Jan;37(1):106-7
The effect of mismatching for HLA-DR in recipients of renal allografts sharing one HLA-ABC haplotype with related donors. Sutherland DE, et al. **Transplantation** 1983 Dec; 36(6):643-7
Importance of HLA-DR matching in polytransfused cadaveric kidney transplant recipients. A prospective one-center study. Vanrenterghem Y, et al. **Transplantation** 1983 Oct;36(4):384-7
Monoclonal anti-Ia murine alloantibodies crossreactive with the Ia-homologues of other mammalian species including humans. Watanabe M, et al. **Transplantation** 1983 Dec; 36(6):712-8
Prolonged survival of dog kidney allografts induced by a monoclonal anti-Ia antibody. Yamamoto K, et al. **Transplantation** 1984 Apr;37(4):419-20
Immunogenetic considerations in islet transplantation: the role of Ia antigens in graft rejection. Bach FH, et al. **World J Surg** 1984 Apr;8(2):204-6
[Rheumatoid arthritis and the HLA system] Sheltanov I. **Vutr Boles** 1984;23(2):44-7 (31 ref.) (Bul)
[Neonatal thrombopenia caused by antiPLA1 and HLA-DR3 antigen alloimmunization] Muller JY, et al. **C R Seances Acad Sci [III]** 1983;296(20):953-6 (Eng. Abstr.) (Fre)
[Blockade of the anti-influenza specific proliferative response of cloned cell lines restricted either by HLA-DR7 or HLA-DR1 molecules or by a still-unknown molecule] Sterkers G, et al. **C R Seances Acad Sci [III]** 1983; 297(10):507-10 (Eng. Abstr.) (Fre)
[Relation between Ia antigens and Ir gene products. A theory on the development of the immune response] Seignalet J. **Sem Hop Paris** 1983 Nov 3;59(40):2790-6 (33 ref.) (Eng. Abstr.) (Fre)
[Ankylosing spondylitis with and without peripheral joint involvement. The significance of HLA-DR4 in the diagnosis, disease risk and pathogenesis] Miehle W, et al. **Fortschr Med** 1984 Jun 7;102(21):581-5 (Eng. Abstr.) (Ger)
[Lymphocyte stimulation in the primed lymphocyte typing test by as yet unknown HLA-linked antigens (WP-alleles)] Holter W, et al. **Wien Klin Wochenschr** 1983 Sep 30; 95(18):643-5 (Eng. Abstr.) (Ger)
[Mechanism of autoantigen Ia recognition in T cell proliferative response] Ishii N, et al. **Arerugi** 1983 Sep; 32(9):996-8 (Eng. Abstr.) (Jpn)
[Human lymphocyte surface antigens. Part 2. Production and characterization of heteroantiserum against a B-cell acute lymphoblastic leukemia cell line] Yoshimoto S. **Nippon Ketsueki Gakkai Zasshi** 1984 May;47(3):737-43 (Eng. Abstr.) (Jpn)
[Peripheral blood Ia-positive T lymphocytes detected by indirect antiglobulin rosetting reaction (IARR)] Matsumoto Y. **Rinsho Byori** 1983 Apr;31(4):435-9 (Jpn)
[Cellular immune response to Taenia taeniaeformis infection in the intermediate host] Letonja T, et al. **Bol Chil Parasitol** 1983 Jul-Dec;38(3-4):81-5 (Eng. Abstr.) (Spa)
[A change in the expression of histocompatibility antigens could lead to autoimmunity] Pujol-Borrell R, et al. **Med Clin (Barc)** 1984 Apr 7;82(13):594-5 (Spa)

ISOLATION & PURIFICATION

A bovine 'Ia-like' antigen detected by a xenogeneic monoclonal antibody. Letesson JJ, et al. **Anim Blood Groups Biochem Genet** 1983;14(4):239-50
Identification of three class II antigens, DR7, MB2, and MT3, from a homozygous human cell line. Shackelford DA, et al. **Hum Immunol** 1984 Mar;9(3):159-74
Two-step enrichment of HLA-DR antigens from spent medium of human malignant melanoma culture by flotation and density separation procedures. Khosravi MJ, et al. **Immunol Commun** 1983;12(4):387-96
Isolation of serologically active HLA-A, B, C and DR antigens as monitored by a fixed cell radioimmunoassay. Quijano CA, et al. **Immunol Commun** 1983;12(6):625-36
Two-dimensional gel electrophoretic analysis of the MT3 and DR4 molecules from the different D-typed cells. Suzuki M, et al. **J Exp Med** 1984 Sep 1;160(3):751-8
Two-dimensional gel analysis of a second family of class II molecules by polymorphic HLA-DR4,5, and w9 monoclonal antibodies. Maeda H, et al. **J Immunol** 1984 May;132(5):2478-84
Identification of Ia antigens on the murine adenocarcinoma LT-85. Giedlin MA, et al. **JNCI** 1983 Oct;71(4):825-34
Large-scale purification of murine I-Ak and I-Ek antigens and characterization of the purified proteins. Turkewitz AP, et al. **Mol Immunol** 1983 Nov;20(11):1139-47
Electrophoretic analysis of human HLA-DR antigens from HLA-DR4 homozygous cell lines: correlation between beta-chain diversity and HLA-D. Nepom BS, et al. **Proc Natl Acad Sci USA** 1983 Nov;80(22):6962-6
HLA-DR antigens and disease patterns of rheumatoid arthritis. Scherak O, et al. **Rheumatol Int** 1983;3(3):113-6

ANTIGENS, LY

The mouse Lyt-2/3 antigen complex--II. Structural analysis of the subunits. Naim HY, et al. **Mol Immunol** 1984 Apr; 21(4):337-41

ANALYSIS

Identification of a new marker (Ly RL male 1) for cells of the T lineage by an auto-antithymocyte serum. Basch RS, et al. **Cell Immunol** 1983 Oct 1;81(1):144-56
Transduction of effector-suppressor T cells by an antigen-specific suppressor T cell factor and Lyt-1+,2+,3+ T cells. Tokuhisa T, et al. **Int Arch Allergy Appl Immunol** 1984;74(2):120-5
Rat T lymphocyte antigens comparable with mouse Lyt-1 and Lyt-2,3 antigenic systems: characterization by monoclonal antibodies. Matsuura A, et al. **J Immunol** 1984 Jan;132(1):316-22
The mouse Lyt-2/3 antigen complex--I. Mode of association of the subunits with the membrane. Luescher B, et al. **Mol Immunol** 1984 Apr;21(4):329-36
Identification of differentiation antigens of melanoma and melanocytes by mouse and human monoclonal antibodies. Houghton AN. **Transplant Proc** 1984 Apr;16(2):351-4

GENETICS

Lym 7.3: new murine specificity defining third allele of the Ly 7 locus. Lanier LL, et al. **Hybridoma** 1983;2(2):177-85
Location of Ly-7 on mouse chromosome 12. Hogarth PM, et al. **Immunogenetics** 1984;19(6):539-43
Studies of the mouse Ly-6 alloantigen system. II. Complexities of the Ly-6 region. Kimura S, et al. **Immunogenetics** 1984;20(1):47-56
Genetic and functional relationships of the retroviral and lymphocyte alloantigen loci on mouse chromosome 1. Kozak CA, et al. **Immunogenetics** 1984;19(2):163-8
Evidence that Ly-5 product of T and B cells differ in protein structure. Tung JS, et al. **Immunogenetics** 1984;19(2):149-54
Structure and biosynthesis of Lyt-1. Tung JS, et al. **Immunogenetics** 1984;20(2):125-30
A unique series of lymphomas related to the Ly-1+ lineage of B lymphocyte differentiation. Davidson WF, et al. **J Immunol** 1984 Aug;133(2):744-53
The allogeneic effect: the mechanism of allosuppression by Lyt-1, Ia- T cells. Eastman AY, et al. **J Immunol** 1984 Sep;133(3):1155-62
The asymmetry in idiotype-isotype expression in the response to phosphocholine is due to divergence in the expressed repertoires of Lyb-5+ and Lyb-5- B cells. Wicker LS,

et al. **J Immunol** 1983 Nov;131(5):2468–76

Endogenous xenotropic murine leukemia virus–related sequences map to chromosomal regions encoding mouse lymphocyte antigens. Wejman JC, et al. **J Virol** 1984 Apr; 50(1):237–47

A lymphocyte antigen encoded by a locus closely linked to H-3 on the second chromosome of the mouse. Gasser DL, et al. **Proc Natl Acad Sci USA** 1983 Nov;80(21):6620–3

IMMUNOLOGY

An analysis of host T-cell subsets based on Lyt antigenic markers during the development of spontaneous C3H mammary carcinomas. Brodt P, et al. **Cell Immunol** 1984 Apr 1;84(2):427–32

Modulation of in vitro immune responses by monoclonal antibody to T200 antigen. Harp JA, et al. **Cell Immunol** 1983 Oct 1;81(1):71–80

Lyt phenotype of cytotoxic T cells: shift from Lyt-1+2+3+ to a mixed population of Lyt-1+2+3+ and Lyt-1-2+3+ during in vitro culture. Nakayama E, et al. **Cell Immunol** 1984 Aug;87(1):15–22

Expression of the differentiation antigen of activated T and B lymphocytes (ACA-1) on cells of lymphoid and nonlymphoid tumors. Nesterenko VG, et al. **Cell Immunol** 1984 Jul;86(2):472–8

T suppressor factor activity is due to two separate molecules. The Lyt-1(-)2+I-J+ cells of mice primed with antigen make an antigen binding molecule which is only active when complemented by cofactor made by Lyt-1+2(-)I-J+ cells. Zembala M, et al. **Cell Immunol** 1984 Aug;87(1):240–51

Surface Lyt phenotype of suppressor cells in C57BL/6 mice infected with Mycobacterium lepraemurium. Hoffenbach A, et al. **Clin Exp Immunol** 1983 Oct;54(1):151–7

Definition of new alloantigens encoded by genes in the Ly-6 complex. Hogarth PM, et al. **Immunogenetics** 1984; 20(1):57–69

Characterization of the murine antigenic determinant, designated L3T4a, recognized by monoclonal antibody GK1.5: expression of L3T4a by functional T cell clones appears to correlate primarily with class II MHC antigen–reactivity. Dialynas DP, et al. **Immunol Rev** 1983; 74:29–56 (67 ref.)

Flip–flop in the Lyt 2 phenotype of T cells from radiation chimaeras between Thy 1 congenic donor and recipient mice. Thomas DB, et al. **Immunology** 1984 Mar; 51(3):563–70

Mechanisms of Ly2 suppressor cell activity. Activation of an Ly1 I-J+ cell is required to transduce the suppressive signal. Flood PM, et al. **J Exp Med** 1984 May 1; 159(5):1413–28

A reexamination of the role of LYT-2–positive T cells in murine skin graft rejection. LeFrancois L, et al. **J Exp Med** 1984 Jan 1;159(1):57–67

Interaction of helper T cells and Lyb5+ B cells responding to phosphorylcholine is MHC–restricted. Mosier DE, et al. **J Exp Med** 1984 Jul 1;160(1):329–34

Generation and decay of the immune response to a progressive fibrosarcoma. I. Ly-1+2– suppressor T cells down–regulate the generation of Ly-1–2+ effector T cells. North RJ, et al. **J Exp Med** 1984 May 1;159(5):1295–311

Activation of B lymphocytes by monovalent anti–Lyb–2 antibodies. Subbarao B, et al. **J Exp Med** 1984 Jun 1; 159(6):1796–801

Cloned LYT–2+ cytolytic T lymphocytes destroy allogeneic tissue in vivo. Tyler JD, et al. **J Exp Med** 1984 Jan 1; 159(1):234–43

Role of Ly-1:Qa1– and Ly-1:Qa1+ inducer T cells in activation of Ly-23 effectors of suppression of antibody production in mice. Eardley DD, et al. **J Immunol** 1983 Nov;131(5):2154–7

Inhibition of T cell responses to alloantigens and polyclonal mitogens by Ly-5 antisera. Harp JA, et al. **J Immunol** 1984 Jul;133(1):10–5

Lyb–5– B cells of CBA/N mice can be induced to synthesize DNA by culture with insolubilized but not soluble anti–Ig. Mond JJ, et al. **J Immunol** 1983 Nov;131(5):2107–9

Characterization of T lymphocyte colony–forming cells in the mouse. The colony–forming cell is confined to Lyt–1,2,3+ cell subsets in the thymus and the lymph nodes. Röpke C. **J Immunol** 1984 Apr;132(4):1625–31

Mouse alloantibodies capable of blocking cytotoxic T cell function. V. The majority of I region–specific CTL are Lyt–2+ but are relatively resistant to anti–Lyt–2 blocking. Shinohara N, et al. **J Immunol** 1984 Feb;132(2):578–83

Loss of specificity in cytolytic T lymphocyte clones obtained by limit dilution culture of Ly–2+ T cells. Shortman K, et al. **J Immunol** 1984 Feb;132(2):584–93

Homing of Lyt–2+ and Lyt–2– T cell subsets and B lymphocytes to the central nervous system of mice with acute experimental allergic encephalomyelitis. Trotter J, et al. **J Immunol** 1984 Jun;132(6):2919–23

T lymphocyte–dependent B lymphocyte proliferative response to antigen. II. Induction of polyclonal B lymphocyte activation of normal B cells and of Lyb–5– B cells from xid mice via recognition of self–IA antigens. Tse HY, et al. **J Immunol** 1984 Oct;133(4):1792–800

Lyt–2– T cell–independent functions of Lyt–2+ cells stimulated with antigen or concanavalin A. von Boehmer H, et al. **J Immunol** 1984 Jul;133(1):59–64

Hu Ly–M3—a human leukocyte antigen. Vaughan HA, et al. **Transplantation** 1983 Oct;36(4):446–50

[Isolation of monoclonal antibodies to antigen Lyt–3.2] Filatov AV, et al. **Biull Eksp Biol Med** 1984 Aug; 97(8):223–6 (Eng. Abstr.) **(Rus)**

ANTIGENS, NEOPLASM

Comparative analysis of surface antigens of transplantable melanoma in hamsters. I. Studies on serological reactivity of sera with isolated melanocytes by using the immunoadherence test. Kozłowska K, et al. **Arch Immunol Ther Exp (Warsz)** 1984;32(1):59–66

Immunogenic changes of murine lymphoma cells following in vitro treatment with aryl–triazene derivatives. Nardelli B, et al. **Cancer Immunol Immunother** 1984;16(3):157–61

Tumour–associated antigens for cystadenocarcinoma of the ovary. Barlow JJ, et al. **Clin Obstet Gynaecol** 1983 Aug; 10(2):187–96

ADMINISTRATION & DOSAGE

Carrier and adjuvant properties of liposome–borne tumor–specific antigens. LeGrue SJ. **Cancer Immunol Immunother** 1984;17(2):135–41

Extraction of immunogenic and suppressogenic antigens from variants of B16 melanoma exhibiting low or high metastatic potentials. LeGrue SJ, et al. **Cancer Res** 1983 Nov; 43(11):5106–11

Active immunization of hamsters against pancreatic carcinoma with lipid–treated cells or their shed antigens. Skornick Y, et al. **Cancer Res** 1984 Mar;44(3):946–8

Antigen–induced lymphomagenesis: identification of a murine B cell lymphoma with known antigen specificity. Arnold LW, et al. **J Immunol** 1983 Oct;131(4):2064–8

Alloantigens placed into the anterior chamber of the eye induce specific suppression of delayed–type hypersensitivity but normal cytotoxic T lymphocyte and helper T lymphocyte responses. Niederkorn JY, et al. **J Immunol** 1983 Dec;131(6):2670–4

Successful immunotherapy in a murine metastasizing fibrosarcoma model. Cortes R, et al. **J Surg Oncol** 1984 Apr;25(4):289–95

Adjuvant immunotherapy for melanoma. Humphrey LJ, et al. **J Surg Oncol** 1984 Apr;25(4):303–5

Specific active immunotherapy with butanol–extracted, tumor–associated antigens incorporated into liposomes. Steele G Jr, et al. **Surgery** 1984 Aug;96(2):352–9

[Immunotherapy of postoperative cancer patients with immune RNA–sensitized lymphocytes and tumor antigen] Fukushima M, et al. **Nippon Geka Gakkai Zasshi** 1983 Mar; 84(3):196–202 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Oncofetal antigens as tumor markers in the cytologic diagnosis of effusions. Orell SR, et al. **Acta Cytol (Baltimore)** 1983 Nov–Dec;27(6):625–9

Loss of bullous pemphigoid antigen in peritumoral lacunas of basal cell carcinomas. Mérot Y, et al. **Acta Derm Venereol (Stockh)** 1984;64(3):209–13

Antigenicity and protein content of perilymph in acoustic neuroma patients. Rasmussen N, et al. **Acta Otolaryngol (Stockh)** 1984 May–Jun;97(5–6):502–8

Tumor markers in colorectal carcinoma. An evaluation of carcinoembryonic antigen, tissue polypeptide antigen, placental alkaline phosphatase and pseudouridine. Rasmuson T, et al. **Acta Radiol [Oncol]** 1984;23(1):27–32

Tumor markers in bronchogenic carcinoma. An evaluation of carcinoembryonic antigen, tissue polypeptide antigen, placental alkaline phosphatase and pseudouridine. Rasmuson T, et al. **Acta Radiol [Oncol]** 1983;22(3):209–14

Antigenic expression of human melanoma cells in serum–free medium. Bumol TF, et al. **Adv Exp Med Biol** 1984; 172:455–70

Immunocytochemical enhancement of basement membrane antigens by pepsin: applications in diagnostic pathology. Barsky SH, et al. **Am J Clin Pathol** 1984 Aug;82(2):191–4

Multiple immunoperoxidase markers in benign hyperplasia and adenocarcinoma of the prostate. Ellis DW, et al. **Am J Clin Pathol** 1984 Mar;81(3):279–84

Adenoid cystic carcinoma of the prostate. A case report with immunoperoxidase staining for prostate–specific acid phosphatase and prostate–specific antigen. Kuhajda FP, et al. **Am J Clin Pathol** 1984 Feb;81(2):257–60

Identity of the neoplastic alkaline phosphatase as revealed with monoclonal antibodies to the placental form of the enzyme. Loose JH, et al. **Am J Clin Pathol** 1984 Aug; 82(2):173–7

Monocyte markers and the common acute lymphoblastic leukemia antigen on chronic lymphocytic leukemia cells. Ligler FS, et al. **Am J Hematol** 1983 Dec;15(4):335–42

Analysis of transformation with Epstein–Barr virus and phenotypic characteristics of lymphoblastoid cell lines established from patients with hairy cell leukemia. Sairenji T, et al. **Am J Hematol** 1983 Dec;15(4):361–74

Antigenic phenotype of splenic hairy cells. Tubbs RR, et al. **Am J Med** 1984 Feb;76(2):199–205

Monitoring human ovarian carcinoma with a combination of CA 125, CA 19–9, and carcinoembryonic antigen. Bast RC Jr, et al. **Am J Obstet Gynecol** 1984 Jul 1;149(5):553–9

Elevation of serum CA125 in carcinomas of the fallopian tube, endometrium, and endocervix. Niloff JM, et al. **Am J Obstet Gynecol** 1984 Apr 15;148(8):1057–8

Choriocarcinoma: blocking factor and monoclonal antibody iodine 131 imaging. Pattillo RA, et al. **Am J Obstet Gynecol** 1984 Apr 1;148(7):1040–8

Low–grade lymphomas. Expression of developmentally regulated B–cell antigens. Cossman J, et al. **Am J Pathol** 1984 Apr;115(1):117–24

Reactivity of a monoclonal antibody with tissues and tumors from the human breast. Immunohistochemical localization of a new antigen and clinicopathologic correlations. Mariani–Costantini R, et al. **Am J Pathol** 1984 Apr; 115(1):47–56

Human teratomas express differentiated neural antigens. An immunohistochemical study with anti–neurofilament, anti–glial filament, and anti–myelin basic protein monoclonal antibodies. Trojanowski JQ, et al. **Am J Pathol** 1984 Jun;115(3):383–9

Immunoperoxidase staining for Ia–like antigens in paraffin–embedded tissues from human melanoma and lung carcinoma. Wilson BS, et al. **Am J Pathol** 1984 Apr; 115(1):102–8

Overview of oncofetal antigens in cancer. Wepsic HT. **Ann Clin Lab Sci** 1983 Jul–Aug;13(4):261–6

Clinical application of the enzyme immunoassay for pancreatic oncofetal antigen. Kawa S, et al. **Ann NY Acad Sci** 1983;417:400–9

Differential distribution of the pancreatic cancer–associated antigen (PCAA) and pancreatic tissue antigen (PaA) in pancreatic and gastrointestinal cancer tissues. Maruyama H, et al. **Ann NY Acad Sci** 1983;417:240–50

Immunohistochemical markers for prostatic cancer. Nadji M, et al. **Ann NY Acad Sci** 1983;420:134–9

Pediatric oncology group utilization of immunologic markers in the designation of acute lymphocytic leukemia subgroups: influence on treatment response. Pullen DJ, et al. **Ann NY Acad Sci** 1984;428:26–48

Purification and characterization of a pancreatic cancer–associated antigen (PCAA) from normal colonic mucosa. Shimano T, et al. **Ann NY Acad Sci** 1983; 417:97–104

Human gastric cancer–associated antigens and carcinoembryonic antigen detected by monoclonal antibodies. Yachi A, et al. **Ann NY Acad Sci** 1983; 417:158–68

Detection of tissue polypeptide antigen in salivary glands and salivary gland tumors. An immunohistochemical study. Caselitz J, et al. **Appl Pathol** 1983;1(2):115–20

Fine structure of human– and monkey–derived type C virus particles in monkey lymphoid cell lines expressing adult T–cell leukemia–associated antigens. Brief report. Ohtsuki Y, et al. **Arch Virol** 1984;81(3–4):329–35

Fibrin related antigen: an aid in cytologically false negative effusion fluid. Crandon AJ, et al. **Asia Oceania J Obstet Gynaecol** 1984 Mar;10(1):101–4

Biological distribution of oncofetal antigen–I (OFA–I) in gynecologic tumors and trophoblastic tissues. Higuchi M, et al. **Asia Oceania J Obstet Gynaecol** 1983 Dec;9(4):461–4

Tum– variants and the detection of tumor–specific transplantation antigens on spontaneous mouse tumors. Boon T, et al. **Behring Inst Mitt** 1984 May;(74):209–13

Molecular characteristics of two lung carcinoma cell–line associated membrane antigens. Bosslet K, et al. **Behring Inst Mitt** 1984 May;(74):27–34

Monoclonal antibodies for successful tumour imaging. Burchell J, et al. **Behring Inst Mitt** 1984 May;(74):87–93

High–molecular–weight glycoproteins are the major carriers of the carbohydrate differentiation antigens I, i and SSEA–1 of mouse teratocarcinoma cells. Childs RA, et al. **Biochem J** 1983 Dec 1;215(3):491–503

Monoclonal antibodies reveal saccharide structures of glycoproteins and glycolipids as differentiation and tumour–associated antigens. Feizi T. **Biochem Soc Trans** 1984 Jun;12(3):545–9

Carbohydrate differentiation and cancer–associated antigens detected by monoclonal antibodies. Magnani JL. **Biochem Soc Trans** 1984 Jun;12(3):543–5

The structure of the Ca–antigen. Wiseman G, et al. **Biochem Soc Trans** 1984 Jun;12(3):537–8

Carcinoembryonic antigens and related glycoproteins. Molecular aspects and specificity. Rogers GT. **Biochim Biophys Acta** 1983 Dec 29;695(3–4):227–49 (149 ref.)

The common acute lymphoid leukemia antigen on b cells of chronic lymphoid leukemia and non–Hodgkin's lymphoma. Canon C, et al. **Biomed Pharmacother** 1983; 37(2):90–2

Carbohydrate antigen profiles of human erythroleukemia cell lines HEL and K562. Kannagi R, et al. **Blood** 1983 Dec; 62(6):1230–41

Differences in the expression of mucus–associated antigens between proximal and distal human colon adenocarcinomas. Bara J, et al. **Br J Cancer** 1984 Apr; 49(4):495–501

Antigenicity and drug susceptibility of human osteogenic sarcoma cells 'escaping' a cytotoxic methotrexate–albumin–monoclonal antibody conjugate. Embleton MJ, et al. **Br J Cancer** 1984 May;49(5):559–65

Comparison of CA 19–9 and carcinoembryonic antigen (CEA) levels in the serum of patients with colorectal diseases. Kuusela P, et al. **Br J Cancer** 1984 Feb;49(2):135–9

A new indicator of human malignant tumour. Metcalfe S, et al. **Br J Cancer** 1984 Mar;49(3):337–42

Expression of the CA1 determinant by carcinomas and by non–malignant epithelial cells in oral lesions. Shabana AH,

et al. **Br J Cancer** 1983 Oct;48(4):527–31

Expression of major histocompatibility antigens and leucocyte infiltration in benign and malignant human breast disease. Whitwell HL, et al. **Br J Cancer** 1984 Feb; 49(2):161–72

Expression of differentiation antigens in benign sweat gland tumours. Kariniemi AL, et al. **Br J Dermatol** 1984 Aug; 111(2):175–82

Expression of differentiation antigens in mammary and extramammary Paget's disease. Kariniemi AL, et al. **Br J Dermatol** 1984 Feb;110(2):203–10

Defective expression of T cell antigens in chronic lymphocytic leukaemia: relationship to T cell dysfunction. Kay NE, et al. **Br J Haematol** 1984 May;57(1):105–11

Cultured marrow stromal cells express common acute lymphoblastic leukaemia antigen (CALLA): implications for marrow transplantation. Keating A, et al. **Br J Haematol** 1983 Dec;55(4):623–8

Immunophenotyping of leukaemia: an immunoperoxidase method using air-dried smears. Sandhaus LM, et al. **Br J Haematol** 1984 Jan;56(1):131–8

Clinical assays of products of normal and malignant cells. Siddle K. **Br Med Bull** 1984 Jul;40(3):276–82 (69 ref.)

Carcinomatous meningitis diagnosed with monoclonal antibodies. Coakham HB, et al. **Br Med J [Clin Res]** 1984 Apr 28;288(6426):1272

Detection by monoclonal antibody of carbohydrate antigen CA 50 in serum of patients with carcinoma. Holmgren J, et al. **Br Med J [Clin Res]** 1984 May 19;288(6429):1479–82

Clinical interest of seric CA19.9 determination in differential diagnosis of patients with peptic ulcers and gastric cancer [letter] Ruibal A, et al. **Bull Cancer (Paris)** 1983; 70(5):438–40

Comparison of antigen expression of human renal cancers in vivo and in vitro. Bander NH. **Cancer** 1984 Mar 15; 53(6):1235–9

Demonstration of p35 in hairy cell leukemia of Japanese patients. Katayama I, et al. **Cancer** 1984 May 15; 53(10):2111–4

Unusual clinical courses of adult T-cell leukemia in siblings. Kawano F, et al. **Cancer** 1984 Jul 1;54(1):131–4

Reactivity of monoclonal antibodies Leu 1 and OKT1 with malignant human lymphoid cells. Correlation with conventional cell markers. Knowles DM 2d, et al. **Cancer** 1983 Oct 15;52(8):1369–77

Thyroid-associated antigens in routinely embedded carcinomas. Possibilities and limitations studied in 116 cases. Logmans SC, et al. **Cancer** 1984 Jul 15;54(2):274–9

Detection of metastatic breast carcinoma cells by immunofluorescent demonstration of Thomsen–Friedenreich antigen. Seitz RC, et al. **Cancer** 1984 Sep 1;54(5):830–6

Immunohistochemistry of two glycolipid tissue antigens in human gastric carcinoma. Wang SM, et al. **Cancer** 1983 Dec 1;52(11):2072–6

A pancreatic oncofetal antigen (POA): its characterization and application for enzyme immunoassay. Oguchi H, et al. **Cancer Detect Prev** 1984;7(1):51–8

Nature of antigens and antibodies in immune complexes isolated by staphylococcal protein A from plasma of melanoma patients. Gupta RK, et al. **Cancer Immunol Immunother** 1983;16(1):40–7

Functional consequence of variation in melanoma antigen expression. Zehngebot LM, et al. **Cancer Immunol Immunother** 1983;16(1):30–4

Heterogeneity and clonal variation related to cell surface expression of a mouse lung tumor-associated antigen quantified using flow cytometry. Bahler DW, et al. **Cancer Res** 1984 Aug;44(8):3317–23

Abnormal pattern of mucus-associated M1 antigens in histologically normal mucosa adjacent to colonic adenocarcinomas. Bara J, et al. **Cancer Res** 1984 Sep; 44(9):4040–5

Fetal pancreatic antigens in the Syrian golden hamster and their relationship to development and carcinogenesis. Benedi VJ, et al. **Cancer Res** 1984 Mar;44(3):1135–41

Identification of a human cancer-associated antigen defined with monoclonal antibody. Bhattacharya M, et al. **Cancer Res** 1984 Oct;44(10):4528–34

HNK-1-defined antigen detected in paraffin-embedded neuroectoderm tumors and those derived from cells of the amine precursor uptake and decarboxylation system. Caillaud JM, et al. **Cancer Res** 1984 Oct;44(10):4432–9

Variability in surface antigen expression of human breast epithelial cells cultured from normal breast, normal tissue peripheral to breast carcinomas, and breast carcinomas. Ceriani RL, et al. **Cancer Res** 1984 Jul;44(7):3033–9

Restoration of normal growth control and membrane antigen composition in malignant cells by N,N-dimethylformamide. Chakrabarty S, et al. **Cancer Res** 1984 May;44(5):2181–5

Expression of Ca antigen in relation to cell cycle in cultured human tumor cells. Czerniak B, et al. **Cancer Res** 1984 Oct; 44(10):4342–6

Level of a membrane-bound high-molecular-weight melanoma-associated antigen and a cytoplasmic melanoma-associated antigen in surgically removed tissues and in sera from patients with melanoma. Giacomini P, et al. **Cancer Res** 1984 Mar;44(3):1281–7

Mouse monoclonal antibody (WI-MN-1) against malignant melanoma. Khan A, et al. **Cancer Res** 1983 Dec;43(12 Pt 1):5868–72

Simultaneous evaluation of a pancreas-specific antigen and a pancreatic cancer-associated antigen in pancreatic carcinoma. Loor R, et al. **Cancer Res** 1984 Aug; 44(8):3604–7

Tumor localization in patients by radiolabeled monoclonal antibodies against colon carcinoma. Mach JP, et al. **Cancer Res** 1983 Nov;43(11):5593–600

Identification of the gastrointestinal and pancreatic cancer-associated antigen detected by monoclonal antibody 19-9 in the sera of patients as a mucin. Magnani JL, et al. **Cancer Res** 1983 Nov;43(11):5489–92

Interaction of monoclonal antibodies with cell surface antigens of human ovarian carcinomas. Masuho Y, et al. **Cancer Res** 1984 Jul;44(7):2813–9

In vivo radiolocalization of antiosteogenic sarcoma monoclonal antibodies in osteogenic sarcoma xenografts. Nakamura T, et al. **Cancer Res** 1984 May;44(5):2078–83

Fetal gastric and small intestine pattern of intestinal mucus antigens in human gastric carcinomas. Nardelli J, et al. **Cancer Res** 1984 Sep;44(9):4157–63

Expression of ductal carcinoma antigen in breast cancer sera as defined using monoclonal antibody F36/22. Papsidero LD, et al. **Cancer Res** 1984 Oct;44(10):4653–7

Immunocytochemical evaluation of human prostatic carcinomas for carcinoembryonic antigen, nonspecific cross-reacting antigen, beta-chorionic gonadotrophin, and prostate-specific antigen. Purnell DM, et al. **Cancer Res** 1984 Jan;44(1):285–92

Analysis of human small cell lung cancer differentiation antigens using a panel of rat monoclonal antibodies. Rosen ST, et al. **Cancer Res** 1984 May;44(5):2052–61

Immunoassay for melanoma-associated proteoglycan in the sera of patients using monoclonal and polyclonal antibodies. Ross AH, et al. **Cancer Res** 1984 Oct;44(10):4642–7

Expression of a carbohydrate differentiation antigen, stage-specific embryonic antigen 1, in human colonic adenocarcinoma. Shi ZR, et al. **Cancer Res** 1984 Mar; 44(3):1142–7

Localization of adult T-cell leukemia-associated antigens by the immunocolloidal gold method. Tanaka H, et al. **Cancer Res** 1984 Aug;44(8):3493–504

Rate of growth and extent of differentiation reflected by cytoplasmic proteins and antigens of human colon tumor cell lines. Taylor CW, et al. **Cancer Res** 1984 Mar; 44(3):1200–5

A monoclonal antibody, CSTO-1, against a stomach adenocarcinoma-associated antigen. Togashi H, et al. **Cancer Res** 1984 Sep;44(9):3952–6

Occurrence of shared nonviral tumor-associated transplantation-type antigens among C3H/He mammary carcinomas. Vaage J. **Cancer Res** 1984 May;44(5):1876–9

Antigens associated with a human lung adenocarcinoma defined by monoclonal antibodies. Varki NM, et al. **Cancer Res** 1984 Feb;44(2):681–7

Properties of immunotoxins against a glycolipid antigen associated with Burkitt's lymphoma. Wiels J, et al. **Cancer Res** 1984 Jan;44(1):129–33

Immunohistochemical localization of prostate carcinoma-associated antigens. Wright GL Jr, et al. **Cancer Res** 1983 Nov;43(11):5509–16

Studies on the possible chemical, immunochemical and morphological differences at the cell surfaces of immunosensitive and immunoresistant, Moloney virus-induced, lymphoma cell-lines. Das HR, et al. **Carbohydr Res** 1983 Aug 16;120:303–14

Detection of tumour associated antigen in eluates from protein A columns used for ex vivo immunoadsorption of plasma from melanoma patients by radioimmunoassay. Gupta RK, et al. **Clin Exp Immunol** 1983 Sep;53(3):589–99

Detection of a circulating gastrointestinal cancer antigen in sera of patients with gastrointestinal malignancies by a double determinant immunoassay with monoclonal antibodies against human blood group determinants. Herlyn M, et al. **Clin Exp Immunol** 1984 Jan;55(1):23–35

Tumour markers in ovarian cancer. van Nagell JR Jr. **Clin Obstet Gynaecol** 1983 Aug;10(2):197–212

Isolation and characterization of an embryonal carcinoma cell line lacking SSEA-1 antigen. Rosenstraus MJ. **Dev Biol** 1983 Oct;99(2):318–23

Phylogenetic distribution of a 24,000 dalton human leukemia-associated antigen on platelets and kidney cells. Dowell BL, et al. **Dev Comp Immunol** 1984 Winter; 8(1):187–95

Evaluation of a new tumor-associated antigen in pancreatic cancer. Savarino V, et al. **Digestion** 1984;29(1):1–4

Colonic and gastric mucus-associated antigens: a comparative immunohistological study in precancerous and cancerous rat intestinal mucosa. Decaens C, et al. **Eur J Cancer Clin Oncol** 1984 Jul;20(7):975–81

The value of histologic grading and staging, random biopsies, tumor and bladder mucosa blood group antigens, in predicting progression of superficial bladder cancer. Huland H, et al. **Eur Urol** 1984;10(1):28–31

Embryoid bodies cultured in in vivo diffusion chambers show reduced tumorigenicity while retaining expression of F9 antigens. Nomura T, et al. **Exp Cell Res** 1984 Aug; 153(2):506–14

Characteristics of the cell surface antigen, p72, associated with a variety of human tumours and mitogen-stimulated T-lymphoblasts. Price MR, et al. **FEBS Lett** 1984 Jun 4; 171(1):31–5

Common tumor-associated antigens of chemically induced mouse sarcomas expressing murine leukemia virus antigens by primary in vitro sensitization. Saito T. **Fukuoka Igaku Zasshi** 1984 Mar;75(3):137–48

A proliferation-associated rat cell surface antigen recognized by a murine monoclonal antibody. Hashimoto Y, et al. **Gann** 1983 Dec;74(6):819–21

Distribution of blood group antigens and CA 19-9 in gastric cancers and non-neoplastic gastric mucosa. Hirohashi S, et al. **Gann** 1984 Jun;75(6):540–7

Monoclonal antibody reactive with the sialyl-sugar residue of a high molecular weight glycoprotein in sera of cancer patients. Hirohashi S, et al. **Gann** 1984 Jun;75(6):485–8

Heterogeneity of a tumor antigen TA-4 of squamous cell carcinoma in relation to its appearance in the circulation. Kato H, et al. **Gann** 1984 May;75(5):433–5

Shared antigenic determinant expressed on various mammalian melanoma cells. Taniguchi M, et al. **Gann** 1984 May;75(5):418–26

Sandwich radioimmunoassay using single monoclonal antibody that detects minute amounts of melanoma antigens from various mammalian species. Wakabayashi S, et al. **Gann** 1984 May;75(5):427–32

Serum pancreatic oncofetal antigen: its clinical usefulness for screening pancreatic cancer in combination with tests for other tumor markers. Homma T, et al. **Gastroenterol Jpn** 1983 Oct;18(5):487–91

Hepatocyte plasma membrane antigens. II. Characterization of liver-specific membrane lipoprotein (LP-1) and Tamm-Horsfall glycoprotein (THGP) like antigens (hepatic THGP) on the plasma membrane of Chang liver cell. Sakaguchi K, et al. **Gastroenterol Jpn** 1983 Aug; 18(4):339–45

Selectivity for ovarian cancer of an improved serum radioimmunoassay for human ovarian tumor-associated antigen NB/70K. Knauf S, et al. **Gynecol Oncol** 1984 Mar; 17(3):349–55

An improved radioimmunoassay for human ovarian tumor antigen NB/70K. Knauf S, et al. **Gynecol Oncol** 1984 Sep; 19(1):67–73

Phenotyping of canine lymphoma with monoclonal antibodies directed at cell surface antigens: classification, morphology, clinical presentation and response to chemotherapy. Appelbaum FR, et al. **Hematol Oncol** 1984 Apr-Jun;2(2):151–68

Monoclonal antibodies and lymphoid leukaemias. Beverley PC. **Hematol Oncol** 1984 Apr-Jun;2(2):139–43

Analysis of cell surface antigens expressed on a human lung carcinoma by monoclonal antibodies. Kasai M. **Hokkaido Igaku Zasshi** 1983 Jul;58(4):376–89

Peripheral T cell lymphoma (immunoblastic sarcoma of T cell type): an immuno-ultrastructural study. Said JW, et al. **Hum Pathol** 1984 Apr;15(4):324–9

Overt expression of H-2 serotypes on EC cells is not necessary for host rejection. Maher LJ 3d, et al. **Immunogenetics** 1984;19(4):343–7

Expression of immunoglobulin-cross-reactive molecules by neoplastic human T cells. I. Surface detection and isolation of molecules reactive with chicken anti-F(ab')2, anti-alpha and anti-mu antibodies. Haegert DG, et al. **Immunology** 1983 Nov;50(3):447–59

Surface antigens of immunoprotective leukaemia x fibroblast hybrid cells which have lost malignant properties in histocompatible mice differ from the malignant parental cells. Slomski R, et al. **Immunology** 1984 Jun;52(2):281–90

Comparison of iodinated antigens of metastatic and non-metastatic mammary adenocarcinoma cells. Abbas MK, et al. **Int Arch Allergy Appl Immunol** 1983;72(3):193–8

Gastrointestinal cancer-associated antigen (GICA) immunoreactivity in colorectal carcinoma in relation to patient survival. Arends JW, et al. **Int J Cancer** 1984 Aug 15;34(2):193–6

A fetal glycolipid expressed on adenocarcinomas of the colon. Blaszczyk M, et al. **Int J Cancer** 1984 Mar 15; 33(3):313–8

Monoclonal antibodies directed against rat tracheal epithelial cells transformed in vitro. Braslawsky GR, et al. **Int J Cancer** 1984 Jan 15;33(1):131–8

Immunohistochemical localization of Y hapten and the structurally related H type-2 blood-group antigen on large-bowel tumours and normal adult tissues. Brown A, et al. **Int J Cancer** 1984 Jun 15;33(6):727–36

Further characterization of Marek's disease virus-infected lymphocytes. I. In vivo infection. Calnek BW, et al. **Int J Cancer** 1984 Mar 15;33(3):389–98

Analysis of a human osteogenic sarcoma antigen and its expression on various human tumour cell lines. Campbell DG, et al. **Int J Cancer** 1984 Jul 15;34(1):31–7

Antigenic heterogeneity of clones and subclones from human melanoma cell lines demonstrated by a panel of monoclonal antibodies and flow microfluorometry analysis. Cillo C, et al. **Int J Cancer** 1984 Jul 15;34(1):11–20

Identification of a surface antigen, common to murine lung and Lewis lung carcinoma, by monoclonal antibody. Hadas E, et al. **Int J Cancer** 1984 Mar 15;33(3):369–74

Monoclonal antibodies against human milk-fat globule membranes detecting differentiation antigens of the mammary gland and its tumors. Hilkens J, et al. **Int J Cancer** 1984 Aug 15;34(2):197–206

Expression of major histocompatibility antigens and nature of inflammatory cellular infiltrate in ovarian neoplasms. Kabawat SE, et al. **Int J Cancer** 1983 Nov 15;32(5):547–54

Hormone-dependent enhancement of neoplastic phenotype

expression by MuMTV-infected heterologous cells, and MuMTV-induced cellular antigens. Kryukova IN, et al. **Int J Cancer** 1984 Apr 15;33(4):533–40

Transferrin receptor and B-lymphoblast antigen—their relationship to DNA synthesis, histology and survival in B-cell lymphomas. Kvaløy S, et al. **Int J Cancer** 1984 Feb 15;33(2):173–7

Increased incidence of mouse mammary tumor virus-related antigen in Tunisian patients with breast cancer. Levine PH, et al. **Int J Cancer** 1984 Mar 15;33(3):305–8

Antigen expression in human melanoma cells in relation to growth conditions and cell-cycle distribution. Lindmo T, et al. **Int J Cancer** 1984 Feb 15;33(2):167–71

Characterization of in vitro immunoselected variants from a highly metastatic murine tumor for alterations in malignant behavior in vivo. Liteplo RG, et al. **Int J Cancer** 1984 May 15;33(5):669–75

Monoclonal antibody against a cryptic carbohydrate antigen of murine and human lymphocytes. I. Antigen expression in non-cryptic or unsubstituted form on certain murine lymphomas, on a spontaneous murine mammary carcinoma, and on several human adenocarcinomas. Longenecker BM, et al. **Int J Cancer** 1984 Jan 15;33(1):123–9

A pigmentation-associated, differentiation antigen of human melanoma defined by a precipitating antibody in human serum. Mattes MJ, et al. **Int J Cancer** 1983 Dec 15; 32(6):717–21

Expression of gastrointestinal carcinoma-associated antigen (GICA) detected in human fetal tissues by monoclonal antibody NS-19-9. Olding LB, et al. **Int J Cancer** 1984 Aug 15;34(2):187–92

Characterization of malignant and non-neoplastic cell phenotypes in highly malignant non-Hodgkin lymphomas. Porwit-Ksiazek A, et al. **Int J Cancer** 1983 Dec 15; 32(6):667–74

Initial clinical evaluation of an immunoradiometric assay for CA 19-9 using the NCI serum bank. Ritts RE Jr, et al. **Int J Cancer** 1984 Mar 15;33(3):339–45

The serologically unique cell surface antigen of Zajdela ascitic hepatoma is also its tumor-associated transplantation antigen. Srivastava PK, et al. **Int J Cancer** 1984 Mar 15; 33(3):417–22

Detection of the granulocyte-specific antigen 3-fucosyl-N-acetyl-lactosamine on leukemic cells after neuraminidase treatment. Tetteroo PA, et al. **Int J Cancer** 1984 Mar 15;33(3):355–8

A rat yolk-sac antigen defined by monoclonal antibodies. Van Hove L, et al. **Int J Cancer** 1984 Jun 15;33(6):851–8

The prognostic significance of two epithelial membrane antigens expressed by human mammary carcinomas. Wilkinson MJ, et al. **Int J Cancer** 1984 Mar 15; 33(3):299–304

Immunocytochemical localization of neuroendocrine hormones and oncofetal antigens in ovarian teratomas. Calame J, et al. **Int J Gynecol Pathol** 1984;3(1):92–100

Isolation and purification of HLA-DR antigens from tumour cells by affinity chromatography and chromatofocusing. Bernard D, et al. **J Chromatogr** 1984 Jun 8;308:322–8

Quantitative variation of the common acute lymphoblastic leukemia antigen (gp100) on leukemic marrow blasts. Look AT, et al. **J Clin Invest** 1984 Jun;73(6):1617–28

B cell origin of non-T cell acute lymphoblastic leukemia. A model for discrete stages of neoplastic and normal pre-B cell differentiation. Nadler LM, et al. **J Clin Invest** 1984 Aug;74(2):332–40

Chronic lymphocytic leukemia and other chronic lymphoid proliferations: surface marker phenotypes and clinical correlations. Dillman RO, et al. **J Clin Oncol** 1983 Mar; 1(3):190–7

A study of the Ca antigen in epithelial tumours of the ovary. Ferguson AM, et al. **J Clin Pathol** 1984 Jan;37(1):6–9

Simple immunocytochemical staining procedure for lymphoid cell surface markers done on cell smears. Hui PK, et al. **J Clin Pathol** 1984 Jun;37(6):708–9

Immunohistochemical detection of Ca antigen in normal, dysplastic and neoplastic squamous epithelia of the human uterine cervix. Lloyd JM, et al. **J Clin Pathol** 1984 Jan; 37(1):14–9

Nature of non-B, non-T lymphomas: an immunohistological study on frozen tissues using monoclonal antibodies. Pallesen G, et al. **J Clin Pathol** 1984 Aug;37(8):911–8

Distribution of the Ca (Oxford) antigen in lung neoplasms and non-neoplastic lung tissues. Paradinas FJ, et al. **J Clin Pathol** 1984 Jan;37(1):1–5

Human tumour-associated and tumour-specific antigens: some concepts in relation to clinical oncology. Neville AM, et al. **J Clin Pathol [Suppl] (Ass Clin Path)** 1975;6:102–12 (88 ref.)

Serum tissue polypeptide antigen (TPA) in thyroid cancer. Martino E, et al. **J Endocrinol Invest** 1984 Jun;7(3):249–52

Localization and alteration of mono-, di-, and trifucosyl alpha 1——3 type 2 chain structures during human embryogenesis and in human cancer. Fukushi Y, et al. **J Exp Med** 1984 Aug 1;160(2):506–20

Modulation by recombinant DNA leukocyte (alpha) and fibroblast (beta) interferons of the expression and shedding of HLA- and tumor-associated antigens by human melanoma cells. Giacomini P, et al. **J Immunol** 1984 Sep; 133(3):1649–55

Cell surface expression of cytotoxic T lymphocyte-defined, AKR/Gross leukemia virus-associated tumor antigens by normal AKR.H-2b splenic B cells. Green WR. **J Immunol** 1983 Dec;131(6):3078–84

Description of a murine B lymphoma tumor-specific antigen. Koch S, et al. **J Immunol** 1984 Aug;133(2):1070–7

Distribution and modulation of a human leukemia-associated antigen (CALLA). Pesando JM, et al. **J Immunol** 1983 Oct; 131(4):2038–45

A membrane antigen (HC1) selectively present on hairy cell leukemia cells, endothelial cells, and epidermal basal cells. Posnett DN, et al. **J Immunol** 1984 Jun;132(6):2700–2

Altered cell surface antigen expression in bladder carcinoma detected by a new hemagglutinating monoclonal antibody. Rearden A, et al. **J Immunol** 1983 Dec;131(6):3073–7

A monoclonal antibody detecting a 39,000 m.w. molecule that is present on B lymphocytes and chronic lymphocytic leukemia cells but is rare on acute lymphocytic leukemia blasts. Zipf TF, et al. **J Immunol** 1983 Dec;131(6):3064–72

Use of human antibodies to identify antigens in cultured human tumor cells: detection of discrete antigen molecules using electroblotting and enzyme-linked antibody probes. DuBois DB, et al. **J Immunol Methods** 1983 Sep 30; 63(1):7–24

Simultaneous enzyme-immunocytochemical detection of antigens in monocellular specimens with monoclonal antibodies. Feller AC, et al. **J Immunol Methods** 1983 Oct 14;63(2):273–9

Determination of the immunoreactive fraction of radiolabeled monoclonal antibodies by linear extrapolation to binding at infinite antigen excess. Lindmo T, et al. **J Immunol Methods** 1984 Aug 3;72(1):77–89

Syngeneic monoclonal antibodies against melanoma antigens with species specificity and interspecies cross-reactivity. Wakabayashi S, et al. **J Invest Dermatol** 1984 Aug; 83(2):128–33

Microcytotoxicity blocking assay for the detection and isolation of soluble astrocytoma association antigen. Potter VP, et al. **J Surg Oncol** 1984 Jul;26(3):188–93

Evaluation of serum prostate-specific antigen in urologic cancers. Takeuchi T, et al. **J Surg Oncol** 1983 Oct; 24(2):157–60

Cell surface antigens in bladder cancer. Javadpour N. **J Urol** 1983 Feb;129(2):439

Biological markers in prostate cancer. Pontes JE. **J Urol** 1983 Dec;130(6):1037–47 (178 ref.)

Monoclonal antibodies against human pancreatic adenocarcinoma: distribution of DU-PAN-2 antigen on glandular epithelia and adenocarcinomas. Borowitz MJ, et al. **JNCI** 1984 May;72(5):999–1005

A solid-phase, enzyme-linked immunosorbent assay for a human lung tumor-associated antigen. Braatz JA, et al. **JNCI** 1984 Apr;72(4):841–6

Relationship between antigen density and immunotherapeutic response elicited by monoclonal antibodies against solid tumors. Capone PM, et al. **JNCI** 1984 Mar;72(3):673–7

Immunodiagnosis of colorectal cancer: clinical evaluation of Tennessee antigen (Tenagen). Dent OF, et al. **JNCI** 1983 Nov;71(5):893–6

Studies of a melanoma tumor-associated antigen detected in the spent culture medium of a human melanoma cell line by allogeneic antibody. III. Physicochemical properties. Gupta RK, et al. **JNCI** 1984 Jan;72(1):83–92

Distribution of blood group antigens A, B, H, and I(Ma) in mucus-producing adenocarcinoma of human lung. Hirohashi S, et al. **JNCI** 1984 Jun;72(6):1299–305

Antigenic determinants in a virus-induced mouse mammary tumor recognized by cell-mediated immune assays. Lopez PF, et al. **JNCI** 1984 Mar;72(3):725–32

Monoclonal antibodies against cell surface antigens present on human urinary bladder cancer cells. Masuko T, et al. **JNCI** 1984 Mar;72(3):523–30

Phenotyping of lesions of melanocyte origin with monoclonal antibodies to melanoma-associated antigens and to HLA antigens. Natali PG, et al. **JNCI** 1984 Jul;73(1):13–24

Characterization of a monoclonal antibody, KR-P8, that detects a new prostate-specific marker. Raynor RH, et al. **JNCI** 1984 Sep;73(3):617–25

Exposure by desialylation of myeloid antigens on acute lymphoblastic leukemia cells. Stockinger H, et al. **JNCI** 1984 Jul;73(1):7–11

Determination of cell surface membrane antigens common to both human neuroblastoma and leukemia-lymphoma cell lines by a panel of 38 monoclonal antibodies. Sugimoto T, et al. **JNCI** 1984 Jul;73(1):51–7

Human renal antigen defined by a murine monoclonal antibody. Tagliabue E, et al. **JNCI** 1984 Aug;73(2):363–9

Proliferating cell nuclear antigen in blast crisis cells of patients with chronic myeloid leukemia. Takasaki Y, et al. **JNCI** 1984 Sep;73(3):655–61

B-cell malignancies and differentiation antigens defined with monoclonal antibodies. Kikuchi K, et al. **Jpn J Clin Oncol** 1983 Sep;13(3):517–31

B-cell differentiation antigen expressed on a human myeloma cell line (KMM-1). Togawa A, et al. **Jpn J Clin Oncol** 1983 Sep;13(3):511–5

Inappropriate mucin production in endodermal carcinoma—one point of view. Nayman J, et al. **Jpn J Surg** 1983 Jul;13(4):317–23

The carbohydrate antigenic determinant 19-9 (CA 19-9)· a monoclonal antibody defined tumor marker. DelVillano BC, et al. **Lab Res Methods Biol Med** 1983;8:269–82

Detection of micrometastases in patients with primary breast cancer. Redding WH, et al. **Lancet** 1983 Dec 3; 2(8362):1271–4

Characterization of thymocytes expressing the common acute lymphoblastic leukemia antigen. Neudorf SM, et al. **Leuk Res** 1984;8(2):173–9

Characterization of new non-T, non-B acute lymphoblastic leukemia cell lines: analysis of surface antigens by quantitative cellular radioimmunoassay and flow cytometry. Okamura J, et al. **Leuk Res** 1984;8(1):97–104

Heterogeneity of non-T, non-B acute lymphocytic leukemia defined by the quantitative expression of Ia and common all antigens. Okamura J, et al. **Leuk Res** 1984;8(3):335–43

Discrimination between autofluorescence and specific fluorescence in immunofluorescence work [letter] Pachmann K. **Leuk Res** 1984;8(3):505–7

Expression of myeloid-specific antigens on two human erythroleukaemia cell lines, HEL and K562. Rimmer EF, et al. **Leuk Res** 1984;8(2):207–11

Leukemia-associated antigens: recent advances in detection, characterization and diagnostic usefulness. Hyland GL, et al. **Med Lab Sci** 1984 Jan;41(1):55–61 (38 ref.)

Cell markers in lymphoma syndrome leukemia in children: a pilot study. Morgan E. **Med Pediatr Oncol** 1984;12(1):4–8

Monoclonal antibody defined-human melanoma-associated antigens: molecular and phylogenetic studies in normal serum. Morgan AC Jr, et al. **Mol Immunol** 1983 Dec; 20(12):1293–9

Identification and isolation of a common tumor-associated molecule using monoclonal antibody. Pak KY, et al. **Mol Immunol** 1983 Dec;20(12):1369–77

A radioimmunoassay for ovarian cancer [letter] **N Engl J Med** 1984 Mar 15;310(11):724–5

Identity of the proliferating cell nuclear antigen and cyclin. Mathews MB, et al. **Nature** 1984 May 24–30; 309(5966):374–6

Tn, a universal carcinoma (CA) marker, frequently strongly expressed in anaplastic, aggressive CA. Springer GF, et al. **Naturwissenschaften** 1983 Dec;70(12):621–2

Excessive and ektopic production of CEA and Ca 19-9 tumor markers in normal individuals. Uhlenbruck G, et al. **Naturwissenschaften** 1984 May;71(5):268–9

Human glioma associated and related antigens, identified by monoclonal antibodies. Yoshida J, et al. **Neurosurg Rev** 1984;7(1):23–8

Tumor-associated antigen detected by complement-dependent antibody cytotoxicity test and immunofluorescence test in enzootic bovine lymphosarcoma. Okada K, et al. **Nippon Juigaku Zasshi** 1983 Apr;45(2):195–202

Tumor associated antigen in ovarian carcinoma. Negishi Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Jan; 36(1):126–32

Detection of malignant ovarian neoplasms: a review of the literature. III. Immunological detection and ovarian cancer-associated antigens. Smith LH, et al. **Obstet Gynecol Surv** 1984 Jun;39(6):346–60 (167 ref.)

Tumor-associated antigen of spontaneous mammary tumor in rats. Imamura N, et al. **Oncology** 1984;41(3):206–9

Suppression by serum of immunoreactivity to a common tumour antigen in cancer patients. Koppi TA, et al. **Oncology** 1984;41(2):77–82

Adenomatoid tumor: immunohistochemical demonstration of epithelial membrane antigen (E.M.A.). Bonetti F, et al. **Pathologica** 1984 Jan-Feb;76(1041):15–9

An ovarian tumour specific mucin antigen—immunohistclogical and biochemical studies. Ma J, et al. **Pathology** 1983 Oct;15(4):385–91

Cell surface antigens of human bladder cancer defined by mouse monoclonal antibodies. Fradet Y, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(1):224–8

Detection of a pancreatic cancer-associated antigen (DU-PAN-2 antigen) in serum and ascites of patients with adenocarcinoma. Metzgar RS, et al. **Proc Natl Acad Sci USA** 1984 Aug;81(16):5242–6

Induction of the metastatic phenotype in a mouse tumor model by 5-azacytidine, and characterization of an antigen associated with metastatic activity. Olsson L, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(11):3389–93

Human tumor nucleolar antigens. Busch H, et al. **Prog Clin Biol Res** 1983;132E:229–46

Tumour specific transplantation antigens of chemically induced rodent tumours. Evan GI, et al. **Prog Clin Biol Res** 1983;132B:355–61

Antigenic changes related to drug action. Fioretti MC, et al. **Prog Clin Biol Res** 1983;132B:435–45

Antigenic characteristics of metastasizing and nonmetastasizing mammary adenocarcinomata of rat. Ghosh SK, et al. **Prog Clin Biol Res** 1983;133:227–33

Immunodiagnosis of pancreatic cancer. Goldrosen MH, et al. **Prog Clin Biol Res** 1983;133:167–82

Non-HLA antigens in breast cancer. Horan Hand P, et al. **Prog Clin Biol Res** 1983;133:115–24

Blood group T and Tn antigens are universal, clonal, epithelial cell-adhesive, antoimmunogenic carcinoma markers. Springer GF. **Prog Clin Biol Res** 1983;133:157–66

Evaluation of monoclonal antibody to 19-9 antigen as a potential screening technique for colorectal cancer in a high-risk population. Verrill H, et al. **Prog Clin Biol Res** 1984;156:107–14

Tissue blood group ABH and Thomsen-Friedenreich antigens in human urinary bladder carcinoma. Weinstein RS, et al. **Prog Clin Biol Res** 1984;153:249–60 (41 ref.)

Monoclonal antibodies as diagnostic reagents for the identification and characterization of human tumor

antigens. Fink LM, et al. **Prog Clin Pathol** 1984;9:121–33 (73 ref.)

T4–labeling technique and its applications with particular reference to blood group antigens in bladder tumors. Kumon H, et al. **Scan Electron Microsc** 1983;(Pt 2):939–48

p69,71 antigen complex detected by monoclonal antibody Leu 1 in the identification of particular stages of malignant B–cell differentiation. Herrmann F, et al. **Scand J Haematol** 1984 Feb;32(2):215–22

Antigenic similarity between cells transformed by ultraviolet radiation in vitro and in vivo. Fisher MS, et al. **Science** 1984 Feb 10;223(4636):593–4

Small cell carcinoma of the lung: macrophage–specific antigens suggest hemopoietic stem cell origin. Ruff MR, et al. **Science** 1984 Sep 7;225(4666):1034–6

Biological markers in human lung carcinoma: an immunopathological study of six antigens. Harach HR, et al. **Thorax** 1983 Dec;38(12):937–41

Establishment of a human pancreatic cancer cell line and detection of pancreatic cancer associated antigen. Kobari M, et al. **Tohoku J Exp Med** 1984 May;143(1):33–46

A B O (H) blood group antigen determination in genitourinary neoplasms. Ghazizadeh M, et al. **Tokushima J Exp Med** 1983 Jun;30(1–2):9–16

Circulating antibody to prostate antigen in patients with prostate cancer. Chu TM, et al. **Transplant Proc** 1984 Apr; 16(2):481–5

Identification of differentiation antigens of melanoma and melanocytes by mouse and human monoclonal antibodies. Houghton AN. **Transplant Proc** 1984 Apr;16(2):351–4

Tumor–associated antigens in female genital tract cancers. Harlozinska A, et al. **Tumori** 1984 Jun 30;70(3):281–9

Immunologic markers and the diagnosis of prostatic cancer. Ban Y, et al. **Urol Clin North Am** 1984 May;11(2):269–76 (47 ref.)

Prostatic origin of metastases: immunoperoxidase localization of prostate–specific antigen. Ghazizadeh M, et al. **Urol Int** 1984;39(1):9–12

Significance of plasma tissue polypeptide antigen determination for diagnosis and follow–up of urothelial bladder cancer. Adolphs HD, et al. **Urol Res** 1984; 12(2):125–8

Tissue polypeptide antigen (TPA) and prostatic acid phosphatase in serum of prostatic cancer patients. Huber PR, et al. **Urol Res** 1983;11(5):223–6

Evaluation of commercial immunoperoxidase kits in diagnosis of prostate carcinoma. Bentz MS, et al. **Urology** 1984 Jan; 23(1):75–8

Molecular markers in the diagnosis and prognosis of bladder cancer. Lange PH, et al. **Urology** 1984 Apr;23(4 Suppl):46–54 (57 ref.)

Detection of cell surface antigen in cancer of renal pelvis and ureter. Lippert M, et al. **Urology** 1983 Oct;22(4):366–8

Immunoperoxidase localization of prostatic antigens. Comparison of primary and metastatic sites. Stein BS, et al. **Urology** 1984 Aug;24(2):146–52

Double blind comparison of T–antigen and ABO(H) cell surface antigens in bladder cancer. Vafier JA, et al. **Urology** 1984 Apr;23(4):348–51

Epithelial membrane antigen expression in cholangiocarcinoma. An useful immunohistochemical tool for differential diagnosis with hepatocarcinoma. Bonetti F, et al. **Virchows Arch** [A] 1983;401(3):307–13

[Human ovarian cancer antigen assayed by an active rosette formation test for immunodiagnosis] Gong Y. **Chung Hua Fu Chan Ko Tsa Chih** 1983 Jul;18(3):164–6 (Eng. Abstr.) **(Chi)**

[Ovarian carcinoma–associated antigen isolated from peritoneal effusions in clinical diagnosis] Qian HN. **Chung Hua Fu Chan Ko Tsa Chih** 1983 Oct;18(4):242–6 (Eng. Abstr.) **(Chi)**

[Immunologic classification of hematopoietic cells using monoclonal antibodies in relation to elucidating the origin of certain blood diseases] Koubek K, et al. **Vnitr Lek** 1984 Jan;30(1):66–79 (Eng. Abstr.) **(Cze)**

[Variations in gamma–glutamyltranspeptidase levels in patients receiving hormone therapy with aminoglutethimide (letter)] Bonneterre J, et al. **Bull Cancer (Paris)** 1984;71(2):147 **(Fre)**

[Use of vindesine in lymphangitic–type cutaneous recurrence of breast cancer (letter)] Palangie T, et al. **Bull Cancer (Paris)** 1983;70(5):437–8 **(Fre)**

[Assay of CA 19–9 in cancer of the pancreas: preliminary results] Gosselin P, et al. **LARC Med** 1984 Jun–Jul;4(6):383 **(Fre)**

[Evaluation of a tumor marker of pancreatic cancer. Preliminary results (letter)] Venot J, et al. **Presse Med** 1984 Feb 18;13(7):440–1 **(Fre)**

[Value of a new tumor marker, CA 19–9, in primary bronchial cancers (letter)] Vindimian M, et al. **Presse Med** 1984 Jul 14–21;13(29):1787 **(Fre)**

[Comparison of the tumor markers CEA and CA 19–9 in colorectal diagnosis] Heptner G, et al. **Dtsch Med Wochenschr** 1984 Aug 31;109(35):1309–12 (Eng. Abstr.) **(Ger)**

[Marker substances in the diagnosis of malignant diseases] Gericke D, et al. MMW 1983 Oct 7;125(40):865–7 **(Ger)**

[Antigen–specific rosette inhibition test with autologous serum––a possibility for the detection of blocking factors in chronic rejection of allogeneic orthotopic kidney transplants] Werner M, et al. **Z Exp Chir Transplant Kunstliche Organe** 1984;17(3):188–99 (Eng. Abstr.) **(Ger)**

[Proteolytic and antitryptic activity of antigen preparations from tissue and blood] Lehmitz R, et al. **Z Med Lab Diagn** 1983;24(7):419–22 **(Ger)**

[Immunohistochemical identification of specific prostatic phosphatases and specific prostatic antigen in prostatic tumors] Bonetti F, et al. **Pathologica** 1983 Nov–Dec; 75(1040):789–95 (Eng. Abstr.) **(Ita)**

[Epithelial membrane antigens. Applications in the differential diagnosis of carcinoma and lymphoma] Bonetti F, et al. **Pathologica** 1984 Mar–Apr;76(1042):161–8 (Eng. Abstr.) **(Ita)**

[Clinical evaluation of CA 19–9 for the detection of malignant tumors––a comparison with CEA and IAP] Furukawa M, et al. **Gan No Rinsho** 1984 Apr;30(4):357–62 (Eng. Abstr.) **(Jpn)**

[Pancreatic oncofetal antigen (POA) and carcinoma of the pancreas] Homma T, et al. **Gan No Rinsho** 1984 May;30(6 Suppl):558–62 (Eng. Abstr.) **(Jpn)**

[Tumor antigen TA–4 of squamous cell carcinoma in patients with cervical cancer] Kato H, et al. **Gan No Rinsho** 1984 May;30(6 Suppl):574–7 (Eng. Abstr.) **(Jpn)**

[Evaluation of CA 19–9 radioimmunoassay] Toya D, et al. **Gan To Kagaku Ryoho** 1984 Mar;11(3):509–14 (Eng. Abstr.) **(Jpn)**

[Evaluation of serum tissue polypeptide antigen (TPA) in patients with urogenital cancer] Tozuka K, et al. **Gan To Kagaku Ryoho** 1984 May;11(5):1078–83 (Eng. Abstr.) **(Jpn)**

[The fifth report on the survey of adverse reactions to radiopharmaceuticals (the 8th survey in 1982)] **Kaku Igaku** 1984 Mar;21(3):283–7 **(Jpn)**

[Fundamental studies and clinical evaluations on the tissue polypeptide antigen (TPA) radioimmunoassay kit] Nagata A, et al. **Kaku Igaku** 1984 Feb;21(2):177–90 **(Jpn)**

[Basic and clinical studies on the measurement of serum CA19–9 concentrations: usefulness as a tumor marker for pancreatic carcinoma] Sakahara H, et al. **Kaku Igaku** 1984 Mar;21(3):273–81 **(Jpn)**

[CEA like substance in cystic fluid of craniopharyngioma] Aoki M, et al. **Nippon Geka Hokan** 1983 Mar 1;52(2):218–31 (Eng. Abstr.) **(Jpn)**

[Purification and enzyme immunoassay of tumor markers for prostate cancer: prostatic acid phosphatase, prostate–specific antigen and creatine kinase BB] Morishita N, et al. **Nippon Hinyokika Gakkai Zasshi** 1984 Mar; 75(3):404–13 (Eng. Abstr.) **(Jpn)**

[Clinical studies of prostatic antigens(gamma–seminoprotein, beta–microseminoprotein). I. Examination of immunohistological study] Okabe T, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Aug;74(8):1313–9 (Eng. Abstr.) **(Jpn)**

[Clinical studies of prostatic antigens(gamma–seminoprotein, beta–microseminoprotein). II. Measurement of serum prostatic antigens (gamma–seminoprotein, beta–microseminoprotein) by radioimmunoassay] Okabe T, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Aug; 74(8):1320–5 (Eng. Abstr.) **(Jpn)**

[Immunochemical localization of gamma–seminoprotein and beta–microseminoprotein in prostatic glands––forensic immunological studies of body fluids and secretion: report XIX] Tsuda R, et al. **Nippon Hoigaku Zasshi** 1983 Feb; 37(1):16–9 (Eng. Abstr.) **(Jpn)**

[Detection of adult T–cell leukemia–associated antigen in various T–cell malignancies] Amagasaki T. **Nippon Ketsueki Gakkai Zasshi** 1983 Sep;46(5):1029–36 (Eng. Abstr.) **(Jpn)**

[Flow cytofluorometric analysis for screening cervical squamous cell carcinoma using specific antibody to a tumor antigen TA–4] Nagai M. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Apr;36(4):612–6 (Eng. Abstr.) **(Jpn)**

[Relationship between glycoprotein antigens appearing in colonic adenoma and colonic adenocarcinoma and those in human fetal colonic mucosa] Akahona Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Feb;81(2):194–200 (Eng. Abstr.) **(Jpn)**

[Serum level of tissue polypeptide antigen and its mechanism of elevation in patients with benign liver diseases and hepatocellular carcinoma] Arashiyama Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Mar;81(3):927 **(Jpn)**

[Monoclonal antibody–defined tumor marker CA19–9: evaluation of its clinical usefulness, using the radioimmunometric assay for CA19–9] Oguchi H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Jun;81(6):1430–5 (Eng. Abstr.) **(Jpn)**

[Measurement of CA 19–9 in patients with benign liver cyst] Okazaki K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Jun;81(6):1493 **(Jpn)**

[Studies of tissue polypeptide antigen in gastrointestinal cancer] Takahashi H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Aug;80(8):1655 **(Jpn)**

[Serum levels of CA19–9 in various diseases of digestive system and its clinical significance] Yamanaka T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Jun;80(6):1352 **(Jpn)**

[Purification and determination of human prostate specific antigen in the serum] Ogawa Y, et al. **Radioisotopes** 1984 May;33(5):273–8 (Eng. Abstr.) **(Jpn)**

[CA 19–9, a new tumor marker] Akai S. **Rinsho Byori** 1983 Dec;31(12):1300–2 **(Jpn)**

[Present status of tumor antigen testing] Kawai T. **Rinsho Byori** 1983 Dec;31(12):1294–9 **(Jpn)**

[Monoclonal anti–tumor antibodies and their clinical application] Taniguchi M. **Rinsho Byori** 1983 Dec; 31(12):1303–7 **(Jpn)**

[Carbohydrate antigens in teratocarcinomas and early embryos] Ozawa M, et al. **Seikagaku** 1984 Jan;56(1):1–18 (130 ref.) **(Jpn)**

[Radioimmunological determination of cancerocerebral antigen in the blood serum of patients with ovarian tumors] Griaznova IM, et al. **Akush Ginekol (Mosk)** 1984 Apr; (4):27–9 (Eng. Abstr.) **(Rus)**

[Antigenic structure of normal and malignant breast tissue] Avdeev GI, et al. **Vopr Onkol** 1983;29(11):33–7 (Eng. Abstr.) **(Rus)**

[Detection of meconial antigen (beta 1 MA) in definitive and tumorous intestinal tissue] Pugachev KK, et al. **Vopr Onkol** 1984;30(5):59–62 (Eng. Abstr.) **(Rus)**

[Significance of the determination of serum CA19.9 in patients with tumor or non–tumor pancreatopathies (letter)] Encabo G, et al. **Med Clin (Barc)** 1984 Mar 31;82(12):560–1 **(Spa)**

[Behavior of serum CA 125 in hepatopathy patients (letter)] Ruibal A, et al. **Med Clin (Barc)** 1984 Mar 31;82(12):560 **(Spa)**

[CA 19.9 as tumor marker: preliminary results (letter)] Ruibal A, et al. **Med Clin (Barc)** 1983 May 14;80(17):772 **(Spa)**

BLOOD

Measurement of prostate–specific antigen by radioimmunoassay. Liedtke RJ, et al. **Clin Chem** 1984 May; 30(5):649–52

[Diagnostic values of type III Procollagen N–terminal peptide and combination assay of type III procollagen N–terminal peptide with CEA and CA 19–9 in gastric cancer] Akazawa S, et al. **Gan To Kagaku Ryoho** 1984 Jul; 11(7):1434–8 (Eng. Abstr.) **(Jpn)**

[Serum determination of CA 19–9 in patients with digestive cancers and its diagnostic evaluation] Arakawa Y, et al. **Gan To Kagaku Ryoho** 1984 Apr;11(4):917–25 (Eng. Abstr.) **(Jpn)**

CLASSIFICATION

Tumor antigens as modified normal cell surface antigens. Parmiani G. **Prog Clin Biol Res** 1983;132B:363–71

GENETICS

Nonhistone protein antigen profiles of five leukemic cell lines reflect the extent of myeloid differentiation. Goldberger A, et al. **Blood** 1984 Mar;63(3):701–10

Assignment of the gene encoding for Meth A tumour rejection antigen (TATA) to chromosome 12 of the mouse. Law LW. **Br J Cancer** 1984 Jul;50(1):109–11

Differentiation antigens of HL–60 promyelocytes during induced maturation. Chiao JW, et al. **Cancer Res** 1984 Mar; 44(3):1031–3

Synthesis of antigens, cross–reactive with bovine serum albumin, by cultured neuroblastoma cells [letter] Peters T Jr, et al. **Cancer Res** 1983 Nov;43(11):5627–8

Some behavioral consequences of H–2:Qa:T1a polymorphism. Boyse EA. **Cell Immunol** 1983 Nov;82(1):33–5 (15 ref.)

Expression of embryonic and MHC antigens in heterokaryons of murine embryonal carcinoma and human melanoma cells. den Boer WC, et al. **Exp Cell Res** 1984 Sep; 154(1):25–37

Two distinct TL–like molecular subsets defined by monoclonal antibodies on the surface of human thymocytes with different expression on leukemia lines. Olive D, et al. **Immunogenetics** 1984;20(3):253–64

Polymorphism and diversity in the T1a gene system. Yokoyama K, et al. **Immunogenetics** 1983;18(5):445–51

Alien antigens on tumour cells revisited. Pierotti MA, et al. **J Immunogenet** 1984 Feb;11(1):1–7 (44 ref.)

Localization of human myeloid–associated surface antigen detected by a panel of 20 monoclonal antibodies to the q12–qter region of chromosome 11. van Kessel AG, et al. **J Immunol** 1984 Sep;133(3):1265–9

Cell surface antigen phenotypes of MCF–induced thymic lymphomas in AKR mice. Yetter RA, et al. **J Immunol** 1984 May;132(5):2644–8

Two distinct mechanisms regulate the levels of a cellular tumor antigen, p53. Reich NC, et al. **Mol Cell Biol** 1983 Dec;3(12):2143–50

Construction and expression of a recombinant DNA gene encoding a polyomavirus middle–size tumor antigen with the carboxyl terminus of the vesicular stomatitis virus glycoprotein G. Templeton D, et al. **Mol Cell Biol** 1984 Feb;4(2):282–9

A single gene and a pseudogene for the cellular tumour antigen p53. Zakut–Houri R, et al. **Nature** 1983 Dec 8–14; 306(5943):594–7

Expression of the transformation–sensitive protein 'cyclin' in normal human epidermal basal cells and simian virus 40–transformed keratinocytes. Celis JE, et al. **Proc Natl Acad Sci USA** 1984 May;81(10):3128–32

Chromosomal protein antigens formed in experimental hepatocarcinogenesis by azo dyes. Schmidt WN, et al. **Prog Nucleic Acid Res Mol Biol** 1983;29:253–6

Phenotypical heterogeneity of Japanese adult T–cell

leukaemia. Tagawa S, et al. **Scand J Haematol** 1984 Mar; 32(3):306–12

IMMUNOLOGY

Seropositivity of a blood recipient from a donor with positive adult T-cell leukemia-associated antigens. Miyamoto K, et al. **Acta Med Okayama** 1983 Dec;37(6):521–3

Detection of serum blocking factors and antibodies to the albumin receptor on HBsAG particles in healthy persons and patients with liver diseases. Tsuji T, et al. **Acta Med Okayama** 1984 Apr;38(2):175–80

Demonstration and partial characterization of chronic lymphocytic leukemia lymphocyte-associated antigens by crossed immunoelectrophoresis of Triton X-100 extracts. Wilken M, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1983 Aug; 91(4):237–44

Antigenic tumor cell variants obtained with mutagens. Boon T. **Adv Cancer Res** 1983;39:121–51 (165 ref.)

Idiotype network interactions in tumor immunity. Schreiber H. **Adv Cancer Res** 1984;41:291–321 (185 ref.)

Immune response in strain 2 guinea pigs to the syngeneic L2C leukemia. Ricardo MJ Jr, et al. **Adv Exp Med Biol** 1983;166:67–78

Immune complexes in human malignant tumours. A review. Segal-Eiras A, et al. **Allergol Immunopathol (Madr)** 1984 May-Jun;12(3):225–32 (56 ref.)

Difference between young and old patients in characteristics of leukemic cells: older patients have cells growing excessively in vitro, with low antigenicity despite high HLA-DR antigens. Giannoulis N, et al. **Am J Hematol** 1984 Feb;16(2):113–21

Selective loss of the expression of OKT-4 or Leu-3A defined antigen by 12-0-tetradecanoylphorbol-13-acetate (TPA) in human lymphoid cells. Tatsumi E, et al. **Am J Hematol** 1984 Oct;17(3):287–94

Primary prostatic carcinoid tumor with intracytoplasmic prostatic acid phosphatase and prostate-specific antigen. Azumi N, et al. **Am J Surg Pathol** 1984 Jul;8(7):545–50

Circulating antibody to prostate antigen in patients with prostatic cancer. Chu TM, et al. **Ann NY Acad Sci** 1983; 417:383–9

Human monoclonal antibody to a neuroectodermal tumor antigen (OFA-I-2). Katano M, et al. **Ann NY Acad Sci** 1983;417:427–34

Detection of human malignant melanoma antigens by immunofluorescence and autologous postimmune antimelanoma sera. Leong SP. **Ann NY Acad Sci** 1983; 420:237–50

Difference between monoclonal antibodies against the common acute leukemia antigen from two different hybridomas. Canon C, et al. **Anticancer Res** 1983 Nov-Dec; 3(6):407–8

Monoclonal antibodies against antigens of the human mammary carcinoma cell line MCF-7. Karsten U, et al. **Arch Geschwulstforsch** 1983;53(6):529–36

Monoclonal antibodies to tumor-associated antigens. Zotter S, et al. **Arch Geschwulstforsch** 1984;54(1):1–12

Application of series of monoclonal antibodies against human white cell differentiation antigens and the common ALL antigen in the characterization of leukemia cells. Holowiecki J, et al. **Arch Immunol Ther Exp (Warsz)** 1984; 32(1):43–9

An introduction to tumour immunology. James K. **Arch Immunol Ther Exp (Warsz)** 1983;31(6):795–808

Differential expression of antigens 15.75 and p3.58 on primary melanoma and benign nevi. Holzmann B, et al. **Behring Inst Mitt** 1984 May;(74):24–6

Monoclonal antibodies to myeloid differentiation antigens: in vivo studies of three patients with acute myelogenous leukemia. Ball ED, et al. **Blood** 1983 Dec;62(6):1203–10

Human malignancy-associated nucleolar antigen as a marker for tumor cells in patients with acute leukemia. Davis FM, et al. **Blood** 1984 Mar;63(3):676–83

Identification of human lymphoma cells by antisera to malignancy-associated nucleolar antigens. Ford RJ, et al. **Blood** 1984 Mar;63(3):559–65

Electrophoretic and cytochemical characterization of alpha-naphthyl acetate esterases in acute myeloid leukemia: relationships with membrane receptor and monocyte-specific antigen expression. Scott CS, et al. **Blood** 1984 Mar;63(3):579–87

Antigenic analysis of hematopoiesis: II. Expression of human neutrophil antigens on normal and leukemic marrow cells. Strauss LC, et al. **Blood** 1984 Mar;63(3):574–8

Changes of adult T cell leukemia cell surface antigens at relapse or at exacerbation phase after chemotherapy defined by use of monoclonal antibodies. Yamada Y, et al. **Blood** 1984 Aug;64(2):440–4

Heterogeneity of specificity of oligoclonal human T lymphocyte lines induced with autologous pulmonary tumour. Moss FM, et al. **Br J Cancer** 1984 May; 49(5):659–61

Immunolocalization of the murine monoclonal antibody, 791T/36 within primary human colorectal carcinomas and identification of the target antigen. Price MR, et al. **Br J Cancer** 1984 Jun;49(6):809–12

Specificity of tumour associated transplantation antigens (TATA) of different clones from the same tumour. Woodruff MF, et al. **Br J Cancer** 1984 Jan;49(1):5–10

Differentiation antigens of teratomas and embryos. Stern PL. **Br Med Bull** 1984 Jul;40(3):218–23 (62 ref.)

Imaging of human tumor xenografts in nude mice with radiolabeled monoclonal antibodies. Limitations of specificity due to nonspecific uptake of antibody. Mann BD, et al. **Cancer** 1984 Oct 1;54(7):1318–27

Coexistence of immunogenic and suppressogenic epitopes in tumor cells and various types of macromolecules. Naor D. **Cancer Immunol Immunother** 1983;16(1):1–10 (74 ref.)

Heterogeneity of primary and metastatic human malignant melanoma as detected with monoclonal antibodies in cryostat sections of biopsies. Suter L, et al. **Cancer Immunol Immunother** 1983;16(1):53–8

Immunology of metastasis. Can the immune response cope with disseminated tumor? Frost P, et al. **Cancer Metastasis Rev** 1983;2(3):239–56 (160 ref.)

Selective antitumor effect on L10 hepatocarcinoma cells of a potent immunoconjugate composed of the A chain of abrin and a monoclonal antibody to a hepatoma-associated antigen. Hwang KM, et al. **Cancer Res** 1984 Oct; 44(10):4578–86

The biology of Tla. Boyse EA. **Cell** 1984 Aug;38(1):1–2

A class of large polysaccharides contains the antigenic determinants for the cytotoxic antibodies in a conventional syngeneic anti-F9 serum as well as a monoclonal antibody prepared against F9 cells. Iwakura Y, et al. **Cell Differ** 1983 Sep;13(1):41–8

Tumor-specific immunity induced by somatic hybrids. IV. Relationship between immunogenicity and expression of surface tumor-associated antigens. Hui KM, et al. **Cell Immunol** 1984 Sep;87(2):591–600

Liposome facilitated xenogeneic approach for studying human colon cancer immunity: carrier and adjuvant effect of liposomes. Raphael L, et al. **Clin Exp Immunol** 1984 Jan;55(1):1–13

Human monoclonal antibody to ganglioside GD2-inhibited human melanoma xenograft. Katano M, et al. **Eur J Cancer Clin Oncol** 1984 Aug;20(8):1053–9

The surface expression of a tumor-associated antigen on human kappa myeloma cells. Boux HA, et al. **Eur J Immunol** 1984 Mar;14(3):216–22

The augmentation of tumor-specific immunity by virus help. I. Demonstration of vaccinia virus-reactive helper T cell activity involved in enhanced induction of cytotoxic T lymphocyte and antibody responses. Fujiwara H, et al. **Eur J Immunol** 1984 Feb;14(2):171–5

Pecking order among tumor-specific antigens. Urban JL, et al. **Eur J Immunol** 1984 Feb;14(2):181–7

A monoclonal antibody to myelogenous leukemia: isolation and characterization. Malcolm AJ, et al. **Exp Hematol** 1984 Aug;12(7):539–47

Differential antigen presentation in tumor immunity. Schatten S, et al. **Fed Proc** 1984 Jun;43(9):2460–4 (32 ref.)

Induction of autoimmune damage to spermatogenesis in guinea pigs by passive transfer of anti-F9 mouse teratocarcinoma stem cell serum fraction. Pokorná Z, et al. **Folia Biol (Praha)** 1984;30(1):50–6

Assembly of transferred normal spleen cells in situ at sites eliciting the delayed hypersensitivity reaction to tumor antigens in mice. Abe S, et al. **Gann** 1984 May;75(5):442–7

Immunological relatedness of a murine mammary tumor-associated antigen and human breast cancer. Chattopadhyay J, et al. **Gann** 1984 Apr;75(4):342–8

A critical investigation of the Oxford tumour marker Ca1 in the histological diagnosis of breast cancer and pre-cancer. Simpson HW, et al. **Histopathology** 1984 May; 8(3):481–99

Characterization of a monoclonal antibody (A12) that defines a human acute lymphoblastic leukemia-associated differentiation antigen. Carrel S, et al. **Hybridoma** 1983; 2(2):149–60

Identification of human hepatoma-defined cell surface molecules. Moriarity DM, et al. **Hybridoma** 1983;2(1):39–47

Presence of a specific immune complex in the cell-free ascites of a spontaneously metastasizing rat mammary adenocarcinoma, TMT-081. Ghosh SK, et al. **Immunol Commun** 1984;13(1):63–76

Production of antibody to human osteosarcoma associated antigens by continuous human lymphoblastoid cell lines. Tsang KY, et al. **Immunol Lett** 1984;7(5):267–72

Studies in the enhancement of tumour immunity by coupling strong antigens to tumour cells ('heterogenization of tumours'). Helper T cell clones against PPD help other T cells mount anti-tumour responses to PPD-coupled tumour cells. Sia DY, et al. **Immunology** 1984 Apr; 51(4):755–63

Distinction between Burkitt lymphoma subgroups by monoclonal antibodies: relationships between antigen expression and type of chromosomal translocation. Ehlin-Henriksson B, et al. **Int J Cancer** 1984 Apr 15; 33(4):459–63

Reactivity of purified GP40 antigen with antibodies from sera of patients with colorectal cancer: a follow-up study. Gazitt Y, et al. **Int J Cancer** 1983 Nov 15;32(5):537–41

Modulation of anti-tumour immunity induced by syngeneic mitomycin C-treated murine tumour cells. Kearney R, et al. **Int J Cancer** 1984 Aug 15;34(2):255–61

Generation of crossreacting tumor antigens in ascitic derivatives from murine methylcholanthrene-induced sarcomas. Law LW. **Int J Cancer** 1984 Apr 15;33(4):547–51

Age-related expression of TL antigen in AKR/J mice. Peled A, et al. **Int J Cancer** 1984 Jul 15;34(1):121–6

Monoclonal antibody against an antigen selectively assembled into vesicular stomatitis virus virions from HeLa cells. Poláková K, et al. **Int J Cancer** 1984 Jul 15;34(1):91–4

Binding of murine immunoglobulin to human tissues after immunotherapy with anticolorectal carcinoma monoclonal antibody. Shen JW, et al. **Int J Cancer** 1984 Apr 15; 33(4):465–8

Binding of five monoclonal anti-CEA antibodies with different epitope specificities to various carcinoma tissues. Wagener C, et al. **Int J Cancer** 1984 Apr 15;33(4):469–75

Susceptibility of murine lymphoma cells treated with 5-(3,3-dimethyl-1-triazenyl)-1H-imidazole-4-carboxamid to NK-mediated cytotoxicity in vitro. Romani L, et al. **Int J Immunopharmacol** 1983;5(4):299–306

Differences in immunogenicity between the local tumor 3LL and its metastasis-derived line as detected by sensitization with antigen-fed macrophages. Brodt P, et al. **Invasion Metastasis** 1982;2(3):185–96

An examination of tumor antigen loss in spontaneous metastases. Dennis JW, et al. **Invasion Metastasis** 1981; 1(2):111–25

An immune response against the alloantigens of the 3LL Lewis lung carcinoma prevents the growth of lung metastases, but not of local allografts. Isakov N, et al. **Invasion Metastasis** 1982;2(1):12–32

Multiple antigens related to the major envelope glycoprotein of murine leukemia virus expressed on B16 melanoma cells as targets of host immune response. Stackpole CW, et al. **Invasion Metastasis** 1984;4(1):28–46

Cell-mediated reactivity to human tumor-type associated antigens: does it exist? Hellström I, et al. **J Biol Response Mod** 1983;2(4):310–20 (72 ref.)

Association of morphological differentiation with enhanced surface antigen expression and susceptibility to natural killer cell lysis in theophylline-treated human melanoma cells. Liao SK, et al. **J Biol Response Mod** 1983;2(3):280–92

Inverse relationship between anti-SV40 TASA and anti-H-2 cytotoxic responses. De Giovanni C, et al. **J Cancer Res Clin Oncol** 1983;106(2):117–22

Peripheral blood of patients with cutaneous T-cell lymphoma: studies using monoclonal antibodies. Berger CL, et al. **J Cutan Pathol** 1983 Dec;10(6):467–78 (65 ref.)

A tumor-associated antigen specific for human kappa myeloma cells. Boux HA, et al. **J Exp Med** 1983 Nov 1; 158(5):1769–74

A monoclonal antibody with reactivity restricted to normal and neoplastic plasma cells. Anderson KC, et al. **J Immunol** 1984 Jun;132(6):3172–9

Tumor radioimmunolocation: differential antibody retention by antigenic normal tissue and tumor. Ballou B, et al. **J Immunol** 1984 Apr;132(4):2111–6

Functional activity in vivo of effector T cell populations. II. Anti-tumor activity exhibited by syngeneic anti-MoMULV-specific cytolytic T cell clones. Engers HD, et al. **J Immunol** 1984 Sep;133(3):1664–70

Characterization of monoclonal antibody 155.8 and partial characterization of its proteoglycan antigen on human melanoma cells. Harper JR, et al. **J Immunol** 1984 Apr; 132(4):2096–104

Secondary in vitro generation of CTL specific for MM antigen by stimulation with somatic tumor hybrid, but not with parental tumor cells. Ishikawa S, et al. **J Immunol** 1983 Oct;131(4):2059–63

An antigen characteristic of hairy cell leukemia cells is expressed on certain activated B cells. Posnett DN, et al. **J Immunol** 1984 Sep;133(3):1635–40

Regulation of the immune response to tumor antigens. X. Activation of third-order suppressor T cells that abrogate anti-tumor immune responses. Schatten S, et al. **J Immunol** 1984 Aug;133(2):1064–9

T65 antigen modulation in a phase I monoclonal antibody trial with chronic lymphocytic leukemia patients. Schroff RW, et al. **J Immunol** 1984 Sep;133(3):1641–8

Monoclonal antibody SN2 defining a human T cell leukemia-associated cell surface glycoprotein. Seon BK, et al. **J Immunol** 1984 Apr;132(4):2089–95

Extraction of circulating gastrointestinal cancer antigen using solid-phase immunoadsorption system of monoclonal antibody-coupled membrane. Pak KY, et al. **J Immunol Methods** 1984 Jan 20;66(1):51–8

In vitro immunization against autologous glioblastoma cells coupled to adjuvant peptide. Eggers AE, et al. **J Neurol Sci** 1984 Feb;63(2):147–51

Syngeneic antiserum to Nulli SCC1 embryonal carcinoma cells recognizing surface antigens of embryonic cells. Hahnel AC, et al. **J Reprod Immunol** 1983 Nov;5(6):371–82

Maternal immune responses to oncofetal antigens. Hamilton MS. **J Reprod Immunol** 1983 Sep;5(5):249–64 (104 ref.)

The effects of syngeneic soluble tumor membrane extract on concomitant spleen cell immunity and spontaneous metastases. Temple WJ, et al. **J Surg Res** 1984 Jan; 36(1):71–9

Murine hybridoma antibodies against human transitional carcinoma-associated antigens. Messing EM, et al. **J Urol** 1984 Jul;132(1):167–72

Human adenovirus 2 E1B-19K and E1B-53K tumor antigens: antipeptide antibodies targeted to the NH2 and COOH termini. Green M, et al. **J Virol** 1983 Dec;48(3):604–15

Studies of a melanoma tumor-associated antigen detected in the spent culture medium of a human melanoma cell line by allogeneic antibody. II. Immunobiologic characterization. Gupta RK, et al. **JNCI** 1984 Jan; 72(1):75–82

Lymphocyte reactivity in normal and malignant cell

proliferation against a phylogenetically conserved antigen in fetal extracts. Pasternak G, et al. **JNCI** 1984 Apr; 72(4):901–8

Lung cancer patients' autoimmune responses to Thomsen–Friedenreich (T) antigen: diagnostic utility. Fry WA, et al. **Klin Wochenschr** 1983 Aug 15;61(16):817–8

Expression of normal and tumor–associated antigens in human breast carcinoma. Sawtell NM, et al. **Lab Invest** 1984 Aug;51(2):225–32

A monoclonal antibody (SJ–9A4) to P24 present on common alls, neuroblastomas and platelets – II. Characterization of P24 and shedding in vitro and in vivo. Komada Y, et al. **Leuk Res** 1983;7(4):499–507

Identification and characterization of a human thymus–leukemia antigen (43–kDa/513TL) bearing a structural relationship to HLA. Veit BC, et al. **Leuk Res** 1984;8(4):555–66

Assessment of specific anti–tumour immunity in lung cancer patients by means of leukocyte migration inhibition test. The role of antigenic preparations. Zeromski J, et al. **Mater Med Pol** 1982 Jan–Dec;14(1–2):68–73

Monoclonal antibodies point to carbohydrate structures as tumour–associated antigens. Feizi T. **Med Biol** 1983 Jun; 61(3):144–6

Allogenic modification of rat sarcoma cells in vitro by staphylococcal exotoxin. Hlavayová E, et al. **Neoplasma** 1983;30(6):667–80

The role of target antigens coded by subregions of the mouse H–2 complex in the nature of growth of sarcoma I tumor allograft. Vidrnová M, et al. **Neoplasma** 1983;30(5):527–32

Experimental and clinical results of application of antitumor vaccines obtained by means of bacterial metabolism. Zatula DG. **Neoplasma** 1984;31(1):65–74

Cancer immunotherapy by local transfer of autologous T lymphocytes cultured with T cell growth factor and autologous tumor extract: a clinical trial. Kan N, et al. **Nippon Geka Hokan** 1983 Nov 1;52(6):841–53

Cell surface antigens of human ovarian and endometrial carcinoma defined by mouse monoclonal antibodies. Mattes MJ, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(2):568–72

Anti–T antibody reactivity in T and B cell lymphomas. Barcos M, et al. **Prog Clin Biol Res** 1983;133:183–9

Monoclonal antibody–defined B–cell, T–cell and myelomonocytic antigens and other surface determinants on leukemic B cells of chronic lymphocytic leukemia. Han T, et al. **Prog Clin Biol Res** 1983;133:135–44

Modification of tumor cell antigen. Kobayashi H. **Prog Clin Biol Res** 1983;132E:305–14

Biosynthesis and shedding of gp87, a human melanoma specific–oncofetal antigen defined by the monoclonal antibody 140.240. Liao SK, et al. **Prog Clin Biol Res** 1983; 133:125–34

Expression of organ–specific neoantigens by human cancer. Thomson DM. **Prog Clin Biol Res** 1983;132E:193–202

Biological and clinical significance of immunological cell markers in leukemia. Thiel E. **Recent Results Cancer Res** 1984;93:102–58 (308 ref.)

Human lymphocytes–macrophages interaction: a good prognostic sign in malignant lymphoma. Shohat B, et al. **Rev Esp Oncol** 1981;28(3):441–7

Identification of an anti–human osteogenic sarcoma monoclonal–antibody–defined antigen on mitogen–stimulated peripheral blood mononuclear cells. Price MR, et al. **Scand J Immunol** 1983 Nov;18(5):411–20

O–acetylation of disialoganglioside GD3 by human melanoma cells creates a unique antigenic determinant. Cheresh DA, et al. **Science** 1984 Aug 24;225(4664):844–6

T and Tn, general carcinoma autoantigens. Springer GF. **Science** 1984 Jun 15;224(4654):1198–206

A novel approach to production of antitumor monoclonal antibodies: antibody to a cell surface glycoprotein associated with transformation by a human oncogene. Roth JA, et al. **Surgery** 1984 Aug;96(2):264–72

Phenotypic and genotypic differences between high– and low–metastatic related tumor lines and the problem of tumor progression and variant generation. Schirrmacher V, et al. **Symp Fundam Cancer Res** 1983;36:81–99

Circulating antibody to prostate antigen in patients with prostate cancer. Chu TM, et al. **Transplant Proc** 1984 Apr; 16(2):481–5

Tube leukocyte adherence–inhibition response to related and unrelated tumor antigens in mammary tumor–bearing mice. Chattopadhyay U, et al. **Tumori** 1983 Aug 31;69(4):299–303

[Modification of granulocyte phagocytosis by extracts from tumor antigens] Friedrich A, et al. **Allerg Immunol (Leipz)** 1984;30(1):34–42 (Eng. Abstr.) **(Ger)**

[Macrophage adherence inhibition test (MAI) in Wistar rats bearing Jensen tumors. I. MAI after incubation with tumor–associated antigens] Neumeister B, et al. **Arch Geschwulstforsch** 1983;53(6):521–8 (Eng. Abstr.) **(Ger)**

[Cross–reactivity of 3M KCl–extracts of fetal tissue from various species in the macrophage electrophoresis mobility test. II. Tissue extracts from lower vertebrates in various phases of development] Schlott B, et al. **Arch Geschwulstforsch** 1983;53(5):401–6 (Eng. Abstr.) **(Ger)**

[Clinical significance of the circulating tumor–associated antigen CA 19–9 in cancers of the digestive tract] Staab HJ, et al. **Dtsch Med Wochenschr** 1984 Jul 27; 109(30):1141–7 (Eng. Abstr.) **(Ger)**

[Specificity of lymphocytic reaction to tumor antigens—approaches to a cancer diagnosis in vitro?] Muhrer KH. **Fortschr Med** 1984 Jan 19;102(3):45–8 (Eng. Abstr.) **(Ger)**

[Tolerance induction by passage of the antigen with tumor cells] Bundschuh G. **Radiobiol Radiother (Berl)** 1983; 24(4):525–30 (Eng. Abstr.) **(Ger)**

[Tumor–specific immunotherapy: active immunotherapy by augmenting the induction of tumor–specific effector T cells through a T–T cell interaction mechanism] Kosugi A, et al. **Gan To Kagaku Ryoho** 1984 Aug;11(8):1527–35 (Eng. Abstr.) **(Jpn)**

[Role of the spleen in tumor immunity—with special reference to anti–tumor immunity induced by solubilized and purified tumor–associated antigen] Yamamura M, et al. **Nippon Geka Gakkai Zasshi** 1983 Sep;84(9):974–7 (Eng. Abstr.) **(Jpn)**

[Antigenic relationship between the chemically–induced mouse bladder tumor and Corynebacterium parvum] Fujioka T. **Nippon Hinyokika Gakkai Zasshi** 1983 Apr; 74(4):560–5 (Eng. Abstr.) **(Jpn)**

[Studies on immune response of human lung cancer by cell surface antigen] Shimada K, et al. **Rinsho Kyobu Geka** 1984 Jan;4(1):53–60 (23 ref.) (Eng. Abstr.) **(Jpn)**

[Specific immunity in patients with carcinoma of the pancreas. Preliminary report] Mester M, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1983 Jun;38(3):107–10 (Eng. Abstr.) **(Por)**

[Localization of antigens in the chromatin of normal rat liver cells, not detectable in hepatoma chromatin] Ermekova VM, et al. **Biokhimiia** 1984 Jun;49(6):938–42 (Eng. Abstr.) **(Rus)**

[Immunologic sensitization to tumor–associated antigens during the growth of gliomas of the brain (experimental study)] Novichenko NL, et al. **Zh Vopr Neirokhir** 1984 Mar–Apr;(2):9–13 (Eng. Abstr.) **(Rus)**

[Tumor markers] Ruibal Morell A. **Med Clin (Barc)** 1983 May 14;80(17):752–4 **(Spa)**

ISOLATION & PURIFICATION

Isolation of tumor associated antigens from Lewis lung carcinoma by affinity chromatography on peanut agglutinin–agarose. Adachi M, et al. **Anticancer Res** 1984 Jan–Apr;4(1–2):1–3

Amino–terminal variation in melanoma antigens. Marchalonis JJ, et al. **Biochem Biophys Res Commun** 1984 May 31; 121(1):196–202

Purification of common acute lymphoblastic leukemia antigen positive cells from normal human bone marrow. Hokland P, et al. **Blood** 1984 Sep;64(3):662–6

Lymphoma–associated antigen (LAA): isolation, characterization and clinical evaluation. Udayachander M, et al. **Br J Cancer** 1983 Nov;48(5):717–25

Isolation and partial characterization of a 700 kilodalton human colon carcinoma associated antigen. Chakrabarty S, et al. **Cancer Biochem Biophys** 1983;6(4):249–59

Purification of immunoprotective tumor antigens by preparative isotachophoresis. Saunders TL, et al. **Cancer Immunol Immunother** 1983;16(2):101–8

Ultrastructural and purification studies on human tumor nucleolar antigens and nucleolar particles. Busch H, et al. **Cancer Invest** 1983;1(1):25–40

Enhanced expression of surface tumor–associated antigens on human breast and colon tumor cells after recombinant human leukocyte alpha–interferon treatment. Greiner JW, et al. **Cancer Res** 1984 Aug;44(8):3208–14

Stage–specific embryonic antigens (SSEA–3 and –4) are epitopes of a unique globo–series ganglioside isolated from human teratocarcinoma cells. Kannagi R, et al. **EMBO J** 1983;2(12):2355–61

Purification and partial amino acid sequence analysis of the cellular tumour antigen, p53, from mouse SV40–transformed cells. Leppard K, et al. **EMBO J** 1983; 2(11):1993–9

Purification and partial characterization of a murine mammary tumor–associated antigen. Chattopadhyay J, et al. **Gann** 1984 Apr;75(4):334–41

Apparent alteration in MHC antigens in K36.16, an AKR thymoma, does not result in genetic rearrangement. Lewis CM, et al. **Immunology** 1983 Nov;50(3):433–40

Preliminary identification of a tumor–associated glycoprotein in bilharzial bladder cancer urine. Higashi GI, et al. **Int J Cancer** 1983 Oct 15;32(4):445–8

Immunoaffinity chromatography of a cellular tumor antigen from mouse neuroblastoma cells. Levitsky K, et al. **Int J Cancer** 1983 Nov 15;32(5):597–602

Characterization of N–glycolyneuraminic acid–containing glycosphingolipids from a Marek's disease lymphoma–derived chicken cell line, MSB1, as tumor–associated heterophile Hanganutziu–Deicher antigens. Higashi H, et al. **J Biochem (Tokyo)** 1984 Mar; 95(3):785–94

A new differentiation antigen (FT–1) shared with fetal thymocytes and leukemic cells in the mouse. Kasai M, et al. **J Exp Med** 1984 Apr 1;159(4):971–80

Biochemical characterization of B lymphoma cell antigen processing and presentation to antigen–reactive T cells. McKean DJ, et al. **J Immunol** 1983 Dec;131(6):2726–34

Purification of a glycoprotein bearing a tumor transplantation antigen specific for Friend, Moloney, and Rauscher MuLV–induced tumors. Rogers MJ, et al. **J Immunol** 1984 Jun;132(6):3211–7

Differential extraction of tumor–specific transplantation antigen and embryonic antigen from simian virus 40– and adenovirus 7–induced sarcoma cells of hamsters with 1–butanol and 3 M potassium chloride. Coggin JH Jr, et al. **JNCI** 1984 Apr;72(4):853–62

Studies of a melanoma tumor–associated antigen detected in the spent culture medium of a human melanoma cell line by allogeneic antibody. I. Purification and development of a radioimmunoassay. Gupta RK, et al. **JNCI** 1984 Jan; 72(1):67–74

Isolation of immunogenic and suppressogenic glycoproteins from adenovirus type 12 hamster tumor cells. Yamamoto H. **Microbiol Immunol** 1984;28(3):339–48

Selective release of surface antigens from cultured human melanoma cells following 1–butanol treatment. Liao SK, et al. **Prog Clin Biol Res** 1983;133:203–7

[Clinical aspects of the study of neoplastic antigens] Lisiewicz J, et al. **Pol Tyg Lek** 1984 Feb 6;39(6):201–4 (35 ref.) **(Pol)**

[Immunologic phenotype of blast cells in patients with myelocytic leukemia and its clinical significance] Baryshnikov AIu, et al. **Ter Arkh** 1984;56(6):50–3 (Eng. Abstr.) **(Rus)**

[Isolation and physico–chemical characteristics of human cancerocerebral antigen] Prokopenko PG, et al. **Vopr Med Khim** 1984 Jan–Feb;30(1):72–4 (Eng. Abstr.) **(Rus)**

METABOLISM

28,000–dalton polypeptide (p28) of adult T–cell leukemia–associated antigen encoded by 24 S mRNA of human T–cell leukemia virus has an associated protein kinase activity. Kobayashi N, et al. **J Biol Chem** 1984 Sep 25;259(18):11162–4

Cross–linking of nuclear antigens to DNA in HeLa cells. Banjar ZM, et al. **Prog Nucleic Acid Res Mol Biol** 1983; 29:256–8

PHYSIOLOGY

Cancer basic protein: a cellular growth factor in cancer cells? Westall FC. **J Theor Biol** 1983 Aug 7;103(3):473–80

RADIATION EFFECTS

Sera from irradiated rats contain antibodies to a ubiquitous tumour–associated antigen. Bentvelzen P, et al. **Eur J Cancer Clin Oncol** 1983 Sep;19(9):1255–63

Modulation of B and T cell subsets in mice treated with fractionated total lymphoid irradiation (TLI). IV. Expression of TL4–bearing cells in spleen and bone marrow of TLI–treated mice. Zan–Bar I. **J Immunol** 1983 Oct; 131(4):1683–7

THERAPEUTIC USE

[Specific active immunotherapy of murine methylcholanthrene–induced sarcoma using a partially purified soluble tumor specific transplantation antigens] Tanaka T, et al. **Nippon Geka Gakkai Zasshi** 1983 Apr; 84(4):282–94 (Eng. Abstr.) **(Jpn)**

URINE

A prospective postoperative evaluation of urinary tumor–associated antigens in sarcoma patients. Correlation with disease recurrence. Huth JF, et al. **Cancer** 1984 Mar 15;53(6):1306–10

[Study on the measurement of urinary TPA] Torizumi K, et al. **Radioisotopes** 1984 Mar;33(3):150–3 **(Jpn)**

ANTIGENS, NEOPLASM, VIRAL see ANTIGENS, VIRAL, TUMOR

ANTIGENS, SURFACE

Comparative analysis of surface antigens of transplantable melanoma in hamsters. I. Studies on serological reactivity of sera with isolated melanocytes by using the immunoadherence test. Kozłowska K, et al. **Arch Immunol Ther Exp (Warsz)** 1984;32(1):59–66

Partial characterization of the oligosaccharides of mouse thymocyte Thy–1 glycoprotein. Carlsson SR, et al. **Biochem J** 1984 Jul 15;221(2):379–92

Roles of surface antigens on malaria–infected red blood cells in evasion of immunity. Howard RJ, et al. **Contemp Top Immunobiol** 1984;12:127–200 (194 ref.)

Early regenerative responses induced by monoclonal antibodies directed against a surface glycoprotein of goldfish retinal ganglion cells. Schwartz M, et al. **EMBO J** 1984 Jun;3(6):1287–93

Integral membrane antigens involved in cell–substratum adhesion of hepatocytes and hepatoma cells. Neumeier R, et al. **Exp Cell Res** 1984 Apr;151(2):567–72

Further biochemical studies of the human B–cell differentiation antigens B1 and B2. Oettgen HC, et al. **Hybridoma** 1983;2(1):17–28

The instability of membrane markers expressed by human monocytes and macrophages in culture. Haimovitz A, et al. **Immunobiology** 1983 Dec;165(5):432–44

Simultaneous detection of T6 and HLA–DR antigens distinguishes three cell subpopulations in dispersed normal human epidermal cells. Dezutter–Dambuyant C, et al. **Immunol Lett** 1984;7(4):203–7

T cell antigens and MHC determinants on rabbit granulocytes. Liu YY, et al. **Immunol Lett** 1984;7(4):181–6
Isolation and characterization of type III group B streptococcal mutants defective in biosynthesis of the type-specific antigen. Yeung MK, et al. **Infect Immun** 1983 Oct;42(1):141–51
Use of ATPase-associated antigen (M2) for detection of antimitochondrial antibodies in primary biliary cirrhosis by fluorometric immunoassay. Klein R, et al. **J Immunol Methods** 1983 Nov 11;64(1–2):227–38
The surface of the African trypanosomes. Richards FF. **J Protozool** 1984 Feb;31(1):60–4 (46 ref.)
Characterization of antigens on mosquito midgut stages of Plasmodium gallinaceum. II. Comparison of surface antigens of male and female gametes and zygotes. Kaushal DC, et al. **Mol Biochem Parasitol** 1984 Apr;11:145–56
Major surface proteins and antigens on the different in vivo and in vitro forms of Trypanosoma cruzi. Lanar DE, et al. **Mol Biochem Parasitol** 1984 Apr;11:119–31
Expression of a Trypanosoma brucei brucei variant antigen in Escherichia coli. Parsons M, et al. **Mol Biochem Parasitol** 1984 Feb;10(2):207–16
Molecular weight and charge heterogeneity of Thy-1 glycoprotein in different populations of T-cells. Morrison MH, et al. **Mol Immunol** 1984 May;21(5):405–13
Isolate-specific S-antigen of Plasmodium falciparum contains a repeated sequence of eleven amino acids. Coppel RL, et al. **Nature** 1983 Dec 22–1984 Jan 4;306(5945):751–6
Thy-1 antigen: a ganglion cell specific marker in rodent retina. Barnstable CJ, et al. **Neuroscience** 1984 Apr; 11(4):847–55
Germinal centers as the main sites of Leu 7 (HNK-1) lymphocytes in human lymph node and tonsil. Mori S, et al. **Nippon Ketsueki Gakkai Zasshi** 1983 Jul;46(4):1016–9
Clinical significance of platelet-specific antigens and antibodies. Aster RH. **Prog Clin Biol Res** 1984;149:103–18 (53 ref.)
Thy-1 antigen in murine hematopoietic progenitor differentiation. Miller BA, et al. **Prog Clin Biol Res** 1983; 134:389–97
Genetic restriction of cellular interactions that modulate in vitro erythropoiesis. Torok-Storb B. **Prog Clin Biol Res** 1983;134:379–87
Kupffer cells inhibit the lymphoproliferative response to antigenic stimulation by rat hepatocytes. Shiratori Y, et al. **Scand J Gastroenterol** 1983 May;18(3):411–5
Newer lymphocyte surface antigens. Schiffenbauer J, et al. **Surv Immunol Res** 1984;3(2–3):91–5
[Synthesis of the surface antigen of the hepatitis B virus in Escherichia coli] Pumpen PP, et al. **Dokl Akad Nauk SSSR** 1983 Jul-Aug;271(1):230–4 **(Rus)**

ADMINISTRATION & DOSAGE

Extraction of immunogenic and suppressogenic antigens from variants of B16 melanoma exhibiting low or high metastatic potentials. LeGrue SJ, et al. **Cancer Res** 1983 Nov; 43(11):5106–11
Preliminary analysis of primary and secondary anti-Thy-1 responses elicited by immunization with cell-bound and cell-free antigen. Zaleski MB, et al. **Int Arch Allergy Appl Immunol** 1984;73(3):263–8
Schistosoma mansoni. Anti-egg monoclonal antibodies protect against cercarial challenge in vivo. Harn DA, et al. **J Exp Med** 1984 May 1;159(5):1371–87
Antimalarial immunity in Saimiri monkeys. Immunization with surface components of asexual blood stages. Perrin LH, et al. **J Exp Med** 1984 Aug 1;160(2):441–51

ANALYSIS

T-ALL related to intermediate cortical/medullary thymocytes displaying functional and surface characteristics of suppressor T cells. Herrmann F, et al. **Acta Haematol (Basel)** 1984;71(1):1–7
Multiple sclerosis, HLA, and lymphocyte surface markers. Wentzel J, et al. **Acta Neurol Scand** 1984 Feb;69(2):65–73
Monoclonal antibodies to T-helper/inducer and T-suppressor/cytotoxic lymphocyte subsets recognize antigens on splenic sinusoidal lining cells. Buckley PJ, et al. **Am J Clin Pathol** 1984 Aug;82(2):167–72
Hairy cell leukemia: a B cell neoplasm with a unique antigenic phenotype. Hsu SM, et al. **Am J Clin Pathol** 1983 Oct; 80(4):421–8
Monocyte markers and the common acute lymphoblastic leukemia antigen on chronic lymphocytic leukemia cells. Ligler FS, et al. **Am J Hematol** 1983 Dec;15(4):335–42
Phenotypic expression of B-lymphocytes. 1. Identification with monoclonal antibodies in normal lymphoid tissues. Hsu SM, et al. **Am J Pathol** 1984 Mar;114(3):387–95
Immuno-electron microscopic observations on Plasmodium knowlesi sporozoites: localization of protective antigen and its precursors. Fine E, et al. **Am J Trop Med Hyg** 1984 Mar;33(2):220–6
Rapid identification of dominant Brucella antigens, using a microagglutination test. Hennager SG, et al. **Am J Vet Res** 1983 Dec;44(12):2418–9
Use of enzyme-linked immunosorbent assay for detection of K88 pili in fecal specimens from swine. Mills KW, et al. **Am J Vet Res** 1983 Nov;44(11):2188–9
Xenogeneic monoclonal antibodies to cell surface antigens of equine lymphocytes. Newman MJ, et al. **Am J Vet Res** 1984 Apr;45(4):626–32
Low T8 antigen density on lymphocytes in active multiple sclerosis. Reder AT, et al. **Ann Neurol** 1984 Aug; 16(2):242–9
Experiences with the ELISA for detection of the E. coli K99 antigen in calf faeces. van Zijderveld FG, et al. **Ann Rech Vet** 1983;14(4):395–9
Molecular characteristics of two lung carcinoma cell-line associated membrane antigens. Bosslet K, et al. **Behring Inst Mitt** 1984 May;(74):27–34
Studies on the surface component of Trypanosoma cruzi amastigotes: determination of the specific antigen and characterization by enzyme treatment and electronmicroscopy. Kanbara H, et al. **Biken J** 1983 Mar; 26(1):49–55
Surface glycoprotein changes during normal and malignant haematopoietic differentiation. Gahmberg CG, et al. **Biochem Soc Trans** 1984 Jun;12(3):549–52
The structure of the Ca-antigen. Wiseman G, et al. **Biochem Soc Trans** 1984 Jun;12(3):537–8
Characterization of human sperm surface antigens with monoclonal antibodies. Wolf DP, et al. **Biol Reprod** 1983 Oct;29(3):713–23
Measurement of anti-glomerular-basement-membrane antibodies by micro ELISA using insoluble antigens. Barnard K, et al. **Biosci Rep** 1984 Mar;4(3):195–201
Demonstration of abnormalities in expression of thymic epithelial surface antigens in severe cellular immunodeficiency diseases. Haynes BF, et al. **Birth Defects** 1983;19(3):255–8
Use of surface markers to identify a subset of acute myelomonocytic leukemia cells with progenitor cell properties. Griffin JD, et al. **Blood** 1983 Dec;62(6):1300–3
Multiple myeloma: circulating lymphocytes that express plasma cell antigens. Ruiz-Argüelles GJ, et al. **Blood** 1984 Aug;64(2):352–6
Immunohistological analysis of Tac antigen expression in tissues involved by Hodgkin's disease. Pizzolo G, et al. **Br J Cancer** 1984 Sep;50(3):415–7
Expression of differentiation antigens in mammary and extramammary Paget's disease. Kariniemi AL, et al. **Br J Dermatol** 1984 Feb;110(2):203–10
Defective expression of T cell antigens in chronic lymphocytic leukaemia: relationship to T cell dysfunction. Kay NE, et al. **Br J Haematol** 1984 May;57(1):105–11
Differentiation antigens on mouse eosinophils and neutrophils identified by monoclonal antibodies. Lopez AF, et al. **Br J Haematol** 1984 Jul;57(3):489–94
Simultaneous demonstration of membrane antigens and cytochemistry at ultrastructural level: a study with the immunogold method, acid phosphatase and myeloperoxidase. Robinson D, et al. **Br J Haematol** 1984 Apr;56(4):617–31
Detection of bovine enterotoxigenic Escherichia coli: a comparative study of a direct fluorescent antibody technique and conventional culturing methods. Lintermans P, et al. **Br Vet J** 1984 Jan-Feb;140(1):44–53
Expression of the Thy-1 antigen in long-term cultures of embryonic mouse spinal cord. Brown RH Jr, et al. **Brain Res** 1984 Mar 26;296(1):87–91
Expression of neural cell adhesion molecule L1 during development, in neurological mutants and in the peripheral nervous system. Faissner A, et al. **Brain Res** 1984 Jul; 317(1):69–82
Monoclonal antibodies to the rat olfactory sustentacular cell. Hempstead JL, et al. **Brain Res** 1983 Dec 12; 288(1–2):289–95
Specificity of monoclonal antibody N1 for cell surfaces of mouse central nervous system neurons. Schnitzer J, et al. **Brain Res** 1984 Jul;317(1):21–32
Generation of a monoclonal antibody (Epenl) which binds selectively to murine ependymal cells. Tardieu M, et al. **Brain Res** 1983 Oct 31;277(2):339–46
A cell surface determinant expressed early on migrating avian neural crest cells. Vincent M, et al. **Brain Res** 1983 Aug; 285(2):235–8
Use of an enzyme-linked immunosorbent assay to measure antigenaemia during acute plague. Williams JE, et al. **Bull WHO** 1984;62(3):463–6
Characterization of the surface antigens of the marine fish pathogens Vibrio anguillarum and Vibrio ordalii. Chart H, et al. **Can J Microbiol** 1984 May;30(5):703–10
Mechanisms of action of intravesical treatment. Effect on the ABH surface antigens of urothelial cells. Jakse G, et al. **Cancer Chemother Pharmacol** 1983;11 Suppl:S74–8
Selective extraction by 1-butanol of surface glycoprotein antigens from human melanoma cells. Liao SK, et al. **Cancer Immunol Immunother** 1984;17(2):95–9
Sodium butyrate induction of milk-related antigens in human MCF-7 breast carcinoma cells. Abe M, et al. **Cancer Res** 1984 Oct;44(10):4574–7
Heterogeneity and clonal variation related to cell surface expression of a mouse lung tumor-associated antigen quantified using flow cytometry. Bahler DW, et al. **Cancer Res** 1984 Aug;44(8):3317–23
Membrane antigen in small cell carcinoma of the lung defined by monoclonal antibody SM1. Bernal SD, et al. **Cancer Res** 1984 Jan;44(1):265–70
Variability in surface antigen expression of human breast epithelial cells cultured from normal breast, normal tissue peripheral to breast carcinomas, and breast carcinomas. Ceriani RL, et al. **Cancer Res** 1984 Jul;44(7):3033–9
Expression of Ca antigen in relation to cell cycle in cultured human tumor cells. Czerniak B, et al. **Cancer Res** 1984 Oct; 44(10):4342–6
Monoclonal antibody MCS-2 as the marker of phorbol diester-induced myeloid differentiation in acute undifferentiated leukemia. Gregg SL, et al. **Cancer Res** 1984 Jun;44(6):2724–30
Distinctive phorbol ester-induced morphological and surface antigen changes in mycosis fungoides, the Sézary syndrome, and adult T-cell leukemia. Kadin ME, et al. **Cancer Res** 1984 Aug;44(8):3383–7
Immunochemical characterization of differentiation and age-related cell surface antigens expressed by chicken erythrocytes. Kline K, et al. **Cancer Res** 1984 Aug; 44(8):3576–83
Tumor localization in patients by radiolabeled monoclonal antibodies against colon carcinoma. Mach JP, et al. **Cancer Res** 1983 Nov;43(11):5593–600
Interaction of monoclonal antibodies with cell surface antigens of human ovarian carcinomas. Masuho Y, et al. **Cancer Res** 1984 Jul;44(7):2813–9
Analysis of human small cell lung cancer differentiation antigens using a panel of rat monoclonal antibodies. Rosen ST, et al. **Cancer Res** 1984 May;44(5):2052–61
A monoclonal antibody, CSTO-1, against a stomach adenocarcinoma-associated antigen. Togashi H, et al. **Cancer Res** 1984 Sep;44(9):3952–6
Differentiation properties of avian tumor cell lines: analysis using chicken fetal antigen and other markers. Trembicki KA, et al. **Cancer Res** 1984 Jun;44(6):2616–21
Studies on the possible chemical, immunochemical and morphological differences at the cell surfaces of immunosensitive and immunoresistant, Moloney virus-induced, lymphoma cell-lines. Das HR, et al. **Carbohydr Res** 1983 Aug 16;120:303–14
Alteration of a membrane associated marker in transplantable rat pancreatic acinar cell carcinoma. Parsa I, et al. **Carcinogenesis** 1984 Jun;5(6):709–13
Regulatory mutations in CHO cells induce expression of the mouse embryonic antigen SSEA-1. Campbell C, et al. **Cell** 1983 Nov;35(1):303–9
The identification of a tissue-restricted plasma membrane marker in Xenopus laevis embryos by using a monoclonal antibody. Jones EA, et al. **Cell Differ** 1984 Apr;14(1):73–83
Immunologic reactivity to TNP-Ficoll during development and ageing in Xenopus laevis, the South African clawed toad. Ruben LN, et al. **Cell Differ** 1984 Apr;14(1):1–5
Human autologous rosette-forming cells. I. Expression of cell surface antigens in relation to age and lymphoid organ distribution. Nalet V, et al. **Cell Immunol** 1983 Dec; 82(2):403–14
Cell culture of mammalian thymic epithelial cells: growth, structural, and antigenic properties. Sun TT, et al. **Cell Immunol** 1984 Jan;83(1):1–13
Detection of T-antigen and surface antigen by immunoperoxidase staining of simian virus 40 transformed cells. Arakaki Y, et al. **Cell Mol Biol** 1983;29(5):461–3
The ovarian follicle as a model for the cell-mediated control of tissue growth. Bukovský A, et al. **Cell Tissue Res** 1984; 236(3):717–24
Monoclonal antibodies against spermatozoa of the common carp (Cyprinus carpio L.). I. A study germ cell antigens in adult males and females. Parmentier HK, et al. **Cell Tissue Res** 1984;236(1):99–105
Precise localization of antigens on follicular dendritic cells. Radoux D, et al. **Cell Tissue Res** 1984;235(2):267–74
Immunomorphologic characterization of chicken thrombocytes. Ries S, et al. **Cell Tissue Res** 1984;236(1):1–3
Liver cell surface expression of the antigen reacting with liver-kidney microsomal antibody (LKM). Lenzi M, et al. **Clin Exp Immunol** 1984 Jan;55(1):36–40
The skin test antigen stimulated killer (STAK) cell mediating NK like CMC is OKM1 positive and OKT3 negative. Tartof D, et al. **Clin Exp Immunol** 1983 Nov;54(2):561–6
The use of a peroxidase-anti-peroxidase complex for the visualization of monoclonal antibodies on the ultrastructural level. van der Weij JP, et al. **Clin Exp Immunol** 1983 Dec;54(3):819–26
Monoclonal antibodies that label discrete cell types in the mammalian nervous system. Barnstable CJ, et al. **Cold Spring Harbor Symp Quant Biol** 1983;48 Pt 2:863–76
Neural surface antigens during nervous system development. Goridis C, et al. **Cold Spring Harbor Symp Quant Biol** 1983; 48 Pt 2:527–37
A surface antigen that identifies ocular dominance columns in the visual cortex and laminar features of the lateral geniculate nucleus. Hockfield S, et al. **Cold Spring Harbor Symp Quant Biol** 1983;48 Pt 2:877–89
The molecular organization of the leech nervous system. McKay RD, et al. **Cold Spring Harbor Symp Quant Biol** 1983;48 Pt 2:599–610
Cell-type specificity and developmental expression of neural cell-surface components involved in cell interactions and of structurally related molecules. Schachner M, et al. **Cold Spring Harbor Symp Quant Biol** 1983;48 Pt 2:557–68
Thymocyte plasma membrane of the rainbow trout, Salmo gairdneri: associated immunoglobulin and heteroantigens. Warr GW, et al. **Comp Biochem Physiol [B]** 1983; 76(3):515–21
Alterations of surface properties by macrophage activation: expression of receptors for Fc and mannose-terminal glycoproteins and differentiation antigens. Ezekowitz RA, et al. **Contemp Top Immunobiol** 1984;13:33–56 (58 ref.)

Analysis of macrophage differentiation and function with monoclonal antibodies. Springer TA, et al. **Contemp Top Immunobiol** 1984;13:1–31 (150 ref.)

Three-color immunofluorescence analysis of mouse B-lymphocyte subpopulations. Parks DR, et al. **Cytometry** 1984 Mar;5(2):159–68

Stage-specific expression of three cell surface carbohydrate antigens during murine spermatogenesis detected with monoclonal antibodies. Fenderson BA, et al. **Dev Biol** 1984 May;103(1):117–28

Differential expression of Thy-1 on the various components of connective tissue of rat nerve during postnatal development. Morris RJ, et al. **Dev Biol** 1984 Mar; 102(1):32–42

Identification and immunochemical characterization of spermatogenic cell surface antigens that appear during early meiotic prophase. O'Brien DA, et al. **Dev Biol** 1984 Feb;101(2):307–17

Isolation and characterization of an embryonal carcinoma cell line lacking SSEA-1 antigen. Rosenstraus MJ. **Dev Biol** 1983 Oct;99(2):318–23

Hematopoietic differentiation cell surface antigen switching in the bone marrow of different aged chickens. Nelson CH, et al. **Differentiation** 1984;26(1):36–41

Surface antigens on a Kenyan strain of Leishmania donovani. Jamnadas H, et al. **East Afr Med J** 1983 Apr;60(4):238–41

The molecular basis of the antigenic variation of foot-and-mouth disease virus. Beck E, et al. **EMBO J** 1983; 2(4):555–9

The neural cell adhesion molecule L1 is distinct from the N-CAM related group of surface antigens BSP-2 and D2. Faissner A, et al. **EMBO J** 1984 Apr;3(4):733–7

Immunocytological and biochemical characterization of a new neuronal cell surface component (L1 antigen) which is involved in cell adhesion. Rathjen FG, et al. **EMBO J** 1984 Jan;3(1):1–10

Tissue- and developmental stage-specific forms of a neural cell surface antigen linked to differences in glycosylation of a common polypeptide. Rougon G, et al. **EMBO J** 1982; 1(10):1239–44

Studies on the transmembrane disposition of the neural cell adhesion molecule N-CAM. A monoclonal antibody recognizing a cytoplasmic domain and evidence for the presence of phosphoserine residues. Gennarini G, et al. **Eur J Biochem** 1984 Jul 2;142(1):57–64

Studies on the transmembrane disposition of the neural cell adhesion molecule N-CAM. The use of liposome-inserted radioiodinated N-CAM to study its transbilayer orientation. Gennarini G, et al. **Eur J Biochem** 1984 Jul 2;142(1):65–73

Characterization of human granular lymphocyte subpopulations expressing HNK-1 (Leu-7) and Leu-11 antigens in the blood and lymphoid tissues from fetuses, neonates and adults. Abo T, et al. **Eur J Immunol** 1984 Jul;14(7):616–23

Demonstration of the stability of the membrane phenotype of T helper cells after priming and boosting with a hapten–carrier conjugate. Spickett GP, et al. **Eur J Immunol** 1983 Sep;13(9):785–8

Molecular nature of the W3/25 and MRC OX-8 marker antigens for rat T lymphocytes: comparisons with mouse and human antigens. Thomas ML, et al. **Eur J Immunol** 1983 Oct;13(10):855–8

Heterogeneity of epidermal cells detected by the presence of Thy-1 antigen in athymic (nude) and normal Balb/c mice. Chambers DA, et al. **Exp Cell Biol** 1984; 52(1–2):129–32

Blood group substances, T6 antigen and heterochromatin pattern as species markers in the nude mouse/human skin model. Graem N, et al. **Exp Cell Biol** 1984;52(4):251–9

Cell surface antigens on avian erythroid cells. Their expression at various stages of cell differentiation. Kornfeld S. **Exp Cell Res** 1984 Jan;150(1):152–60

Expression of differentiation and age-related antigens on chicken erythroleukemia cells transformed by avian erythroblastosis virus (AEV). Krsmanovic V, et al. **Exp Cell Res** 1983 Sep;147(2):351–8

Detection of a fetal antigen on mouse erythroleukemic Friend cells. Lizard G, et al. **Exp Cell Res** 1983 Oct;148(1):254–7

Onchocerca gibsoni: increase of circulating egg antigen with chemotherapy in bovines. Forsyth KP, et al. **Exp Parasitol** 1984 Aug;58(1):41–55

Characteristics of the cell surface antigen, p72, associated with a variety of human tumours and mitogen-stimulated T-lymphoblasts. Price MR, et al. **FEBS Lett** 1984 Jun 4; 171(1):31–5

Analysis of epithelial cell surface polarity with monoclonal antibodies. Ojakian GK, et al. **Fed Proc** 1984 May 15; 43(8):2208–16

Antigenicity of sperm cells after freezing and thawing. Phillip M, et al. **Fertil Steril** 1984 Apr;41(4):615–9

A proliferation-associated rat cell surface antigen recognized by a murine monoclonal antibody. Hashimoto Y, et al. **Gann** 1983 Dec;74(6):819–21

Hepatocyte plasma membrane antigens. II. Characterization of liver-specific membrane lipoprotein (LP-1) and Tamm-Horsfall glycoprotein (THGP) like antigens (hepatic THGP) on the plasma membrane of Chang liver cell. Sakaguchi K, et al. **Gastroenterol Jpn** 1983 Aug; 18(4):339–45

Phenotyping of canine lymphoma with monoclonal antibodies directed at cell surface antigens: classification, morphology, clinical presentation and response to chemotherapy. Appelbaum FR, et al. **Hematol Oncol** 1984 Apr–Jun;2(2):151–68

Analysis of cell surface antigens expressed on a human lung carcinoma by monoclonal antibodies. Kasai M. **Hokkaido Igaku Zasshi** 1983 Jul;58(4):376–89

Interaction of Vicia graminea anti-N lectin with cell surface glycoproteins from erythrocytes with rare blood group antigens. Blanchard D, et al. **Hoppe Seylers Z Physiol Chem** 1984 Apr;365(4):469–78

B cell differentiation factor in synovial fluid of patients with rheumatoid arthritis. Al-Balaghi S, et al. **Immunol Rev** 1984 Apr;78:7–23 (45 ref.)

Correlation of functional properties of human lymphoid cell subsets and surface marker phenotypes using multiparameter analysis and flow cytometry. Lanier LL, et al. **Immunol Rev** 1983;74:143–60 (27 ref.)

Enrichment of rat NK cytotoxicity for H2-negative murine embryonal carcinoma cells by panning and short-term culture in TCGF. Bell SM, et al. **Immunology** 1984 Sep; 53(1):23–32

Association of some cell surface antigens of lymphoid cells and cell surface differentiation antigens with early rat pregnancy. Bukovský A, et al. **Immunology** 1984 Aug; 52(4):631–40

Identification of cells bearing leucocyte surface antigens in metrial gland tissue from rats of different gestational ages, strains or parities. Mitchell BS, et al. **Immunology** 1984 Sep; 53(1):63–8

A cell-free soluble-phase radioimmunoassay for Thy-1 antigen. Shalev A, et al. **Immunology** 1983 Dec; 50(4):667–70

Surface antigens of immunoprotective leukaemia x fibroblast hybrid cells which have lost malignant properties in histocompatible mice differ from the malignant parental cells. Slomski R, et al. **Immunology** 1984 Jun;52(2):281–90

Variation in a major surface protein of Lyme disease spirochetes. Barbour AG, et al. **Infect Immun** 1984 Jul; 45(1):94–100

A set of two monoclonal antibodies specific for the cell surface-exposed 39K major outer membrane protein of Haemophilus influenzae type b defines all strains of this pathogen. Gulig PA, et al. **Infect Immun** 1983 Nov; 42(2):516–24

Molecular identification of surface protein antigens of Campylobacter jejuni. Logan SM, et al. **Infect Immun** 1983 Nov;42(2):675–82

Surface localization of Pseudomonas aeruginosa outer membrane porin protein F by using monoclonal antibodies. Mutharia LM, et al. **Infect Immun** 1983 Dec;42(3):1027–33

Identification and preliminary characterization of saliva-interacting surface antigens of Streptococcus mutans by immunoblotting, ligand blotting, and immunoprecipitation. Ogier JA, et al. **Infect Immun** 1984 Jul;45(1):107–12

Demonstration and solubilization of antigens expressed primarily on the surfaces of Candida albicans germ tubes. Smail EH, et al. **Infect Immun** 1984 Jul;45(1):74–81

Relative immunogenicity of the cold-adapted influenza virus A/Ann Arbor/6/60 (A/AA/6/60-ca), recombinants of A/AA/6/60-ca, and parental strains with similar surface antigens. Tannock GA, et al. **Infect Immun** 1984 Feb; 43(2):457–62

F41 antigen among porcine enterotoxigenic Escherichia coli strains lacking K88, K99, and 987P pili. To SC. **Infect Immun** 1984 Feb;43(2):549–54

Effect of phenytoin and carbamazepine on subpopulations of mononuclear blood cells as defined by membrane antigens. Gilhus NE. **Int Arch Allergy Appl Immunol** 1984; 74(1):80–3

Identification of a surface antigen, common to murine lung and Lewis lung carcinoma, by monoclonal antibody. Hadas E, et al. **Int J Cancer** 1984 Mar 15;33(3):369–74

Hormone-dependent enhancement of neoplastic phenotype expression by MuMTV-infected heterologous cells, and MuMTV-induced cellular antigens. Kryukova IN, et al. **Int J Cancer** 1984 Apr 15;33(4):533–40

M2, a novel myelomonocytic cell surface antigen and its distribution on leukemic cells. Majdic O, et al. **Int J Cancer** 1984 May 15;33(5):617–23

Expression of gastrointestinal carcinoma-associated antigen (GICA) detected in human fetal tissues by monoclonal antibody NS-19-9. Olding LB, et al. **Int J Cancer** 1984 Aug 15;34(2):187–92

The serologically unique cell surface antigen of Zajdela ascitic hepatoma is also its tumor-associated transplantation antigen. Srivastava PK, et al. **Int J Cancer** 1984 Mar 15; 33(3):417–22

Cell surface phenotypes and expression of viral antigens of various human cell lines carrying human T-cell leukemia virus. Sugamura K, et al. **Int J Cancer** 1984 Aug 15; 34(2):221–8

A rat yolk-sac antigen defined by monoclonal antibodies. Van Hove L, et al. **Int J Cancer** 1984 Jun 15;33(6):851–8

Surface antigens of murine hemopoietic stem cells. VIII. Antisera define lineage antigens held in common between granulocyte-macrophage cells and between lymphoid cells. Berridge MV. **Int J Cell Cloning** 1983 Oct;1(5):360–76

Expression of MY7 antigen on myeloid precursor cells. Griffin JD, et al. **Int J Cell Cloning** 1983 Apr;1(1):33–48

Recognition of host-membrane antigens in the envelope of measles virions. Armstrong MA, et al. **Intervirology** 1984; 21(4):210–20

Physicochemical and immunochemical properties of a thermo-labile antigen (TLA a) from yeast cell surface. Tamai Y, et al. **J Biochem (Tokyo)** 1983 Jul;94(1):37–41

The T8 antigen is a multimeric complex of two distinct subunits on human thymocytes but consists of homomultimeric forms on peripheral blood T lymphocytes. Snow PM, et al. **J Biol Chem** 1983 Dec 10;258(23):14675–81

Cell-surface associated proteins of corneal fibroblasts: dissection with monoclonal antibodies. SundarRaj N, et al. **J Cell Biochem** 1983;21(4):277–87

4F2 monoclonal antibody recognizes a surface antigen on spread human fibroblasts of embryonic but not of adult origin. Azzarone B, et al. **J Cell Biol** 1984 Mar;98(3):1133–7

Chick myotendinous antigen. II. A novel extracellular glycoprotein complex consisting of large disulfide-linked subunits. Chiquet M, et al. **J Cell Biol** 1984 Jun; 98(6):1937–46

Chick myotendinous antigen. I. A monoclonal antibody as a marker for tendon and muscle morphogenesis. Chiquet M, et al. **J Cell Biol** 1984 Jun;98(6):1926–36

Establishment of plasma membrane domains in hepatocytes. I. Characterization and localization to the bile canaliculus of three antigens externally oriented in the plasma membrane. Cook J, et al. **J Cell Biol** 1983 Dec; 97(6):1823–33

Studies on the development and maintenance of epithelial cell surface polarity with monoclonal antibodies. Herzlinger DA, et al. **J Cell Biol** 1984 May;98(5):1777–87

Microdomains of distinctive glycoprotein composition in the kidney proximal tubule brush border. Kerjaschki D, et al. **J Cell Biol** 1984 Apr;98(4):1505–13

Surface antigens of brain synapses: identification of minor proteins using polyclonal antisera. Matus A, et al. **J Cell Biol** 1984 Jan;98(1):237–45

Endogenous and monoclonal antibodies to the rat pancreatic acinar cell Golgi complex. Smith ZD, et al. **J Cell Biol** 1984 Jun;98(6):2035–46

Glycoproteins of the AKR leukaemia cell surface and their relevance to leukaemia-specific surface antigens. McClure MO, et al. **J Cell Sci** 1983 Nov;64:213–30

Ia+ T cells in new onset Graves' disease. Jackson RA, et al. **J Clin Endocrinol Metab** 1984 Aug;59(2):187–90

A ganglioside antigen on the rat pancreatic B cell surface identified by monoclonal antibody R2D6. Alejandro R, et al. **J Clin Invest** 1984 Jul;74(1):25–38

Deficiency of a surface membrane glycoprotein (Mo1) in man. Dana N, et al. **J Clin Invest** 1984 Jan;73(1):153–9

Evaluation of class II antigen positive T cells: a simple double staining method using monoclonal antibodies. Di Mario U, et al. **J Clin Lab Immunol** 1984 Apr;13(4):203–4

Differentiation and maturation of thy-1 negative bone marrow cells. I. Effects of the thymus and radioresistant helper functions on the maturation of precursor cells specific for heterologous erythrocytes. Gondo H, et al. **J Clin Lab Immunol** 1983 Sep;12(1):41–5

Surface antigen determinants in subpopulations of peripheral blood NK- and T-cells separated by Percoll density fractionation. Schlesinger M, et al. **J Clin Lab Immunol** 1984 Apr;13(4):195–202

Chronic lymphocytic leukemia and other chronic lymphoid proliferations: surface marker phenotypes and clinical correlations. Dillman RO, et al. **J Clin Oncol** 1983 Mar; 1(3):190–7

Simple immunocytochemical staining procedure for lymphoid cell surface markers done on cell smears. Hui PK, et al. **J Clin Pathol** 1984 Jun;37(6):708–9

Method for the simultaneous labelling of terminal deoxynucleotidyl transferase (TdT) and membrane antigens. Tavares de Castro J, et al. **J Clin Pathol** 1984 Jun;37(6):628–32

Epithelial membrane antigen in cells from the uterine cervix: immunocytochemical staining of cervical smears. Valkova B, et al. **J Clin Pathol** 1984 Sep;37(9):984–9

Characterization of a cell-surface differentiation antigen of mouse spermatogenesis: timing and localization of expression by immunohistochemistry using a monoclonal antibody. Bechtol KB. **J Embryol Exp Morphol** 1984 Jun; 81:93–104

Immunochemical analysis of the released Leu-2 (T8) molecule. Fujimoto J, et al. **J Exp Med** 1984 Jul 1; 160(1):116–24

The mononuclear phagocyte system of the mouse defined by immunohistochemical localization of antigen F4/80. Relationship between macrophages, Langerhans cells, reticular cells, and dendritic cells in lymphoid and hematopoietic organs. Hume DA, et al. **J Exp Med** 1983 Nov 1;158(5):1522–36

Identification of a strain-specific malarial antigen exposed on the surface of Plasmodium falciparum-infected erythrocytes. Leech JH, et al. **J Exp Med** 1984 Jun 1; 159(6):1567–75

Expression of H-2Db on the cell surface in the absence of detectable beta 2 microglobulin. Potter TA, et al. **J Exp Med** 1984 Jul 1;160(1):317–22

Expression of Tac antigen on activated normal human B cells. Tsudo M, et al. **J Exp Med** 1984 Aug 1;160(2):612–7

Crossed immunoelectrophoresis and enzyme-linked immunosorbent assay of the cell-surface antigens of Bacteroides fragilis. Cousland G, et al. **J Gen Microbiol** 1984 Mar;130 (Pt 3):645–55

Characterization of polyagglutinating and surface antigens

in Pseudomonas aeruginosa. Meadow PM, et al. **J Gen Microbiol** 1984 Mar;130 (Pt 3):631–44

The production of F41 fimbriae by piglet strains of enterotoxigenic Escherichia coli that lack K88, K99 and 987P fimbriae. Morris JA, et al. **J Gen Microbiol** 1983 Sep; 129 (Pt 9):2753–9

Structural differences in envelope glycoproteins associated with rat leukaemia virus produced by Novikoff hepatocellular carcinoma and spontaneously transformed Wistar rat embryo cells. Hixson DC, et al. **J Gen Virol** 1984 Apr;65 (Pt 4):743–60

Immunohistochemical localization of the immunodominant differentiation antigen lacto-N-fucopentaose III in normal adult and fetal tissues. Combs SG, et al. **J Histochem Cytochem** 1984 Sep;32(9):982–8

Antigenic subsets of human breast epithelial cells distinguished by monoclonal antibodies. Edwards PA, et al. **J Histochem Cytochem** 1984 May;32(5):531–7

Visual detection of granulocyte surface antigens using the avidin–biotin complex. Henke M, et al. **J Histochem Cytochem** 1984 Jul;32(7):712–6

Immunohistochemical demonstration of surface antigen of human lymphocytes with monoclonal antibody in acetone-fixed paraffin-embedded sections. Tanaka M, et al. **J Histochem Cytochem** 1984 Apr;32(4):452–4

Antigen-induced lymphomagenesis: identification of a murine B cell lymphoma with known antigen specificity. Arnold LW, et al. **J Immunol** 1983 Oct;131(4):2064–8

Biosynthesis, glycosylation, and in vitro translation of the human T cell antigen Leu-4. Bergman Y, et al. **J Immunol** 1983 Oct;131(4):1876–81

Surface membrane heterogeneity among human mononuclear phagocytes. Biondi A, et al. **J Immunol** 1984 Mar; 132(3):1237–43

Activated T cells in vivo and in vitro: divergence in expression of Tac and Ia antigens in the nonblastoid small T cells of inflammation and normal T cells activated in vitro. Burmester GR, et al. **J Immunol** 1984 Sep; 133(3):1230–4

Quantitative differences in the expression of a 72,000 molecular weight cell surface glycoprotein (GP72) in Trypanosoma cruzi zymodemes. Chapman MD, et al. **J Immunol** 1984 Jun;132(6):3149–53

Characterization of the murine T cell surface molecule, designated L3T4, identified by monoclonal antibody GK1.5: similarity of L3T4 to the human Leu-3/T4 molecule. Dialynas DP, et al. **J Immunol** 1983 Nov; 131(5):2445–51

T cell nature and heterogeneity of recognition structures of human natural killer (NK) cells. Fast LD, et al. **J Immunol** 1983 Nov;131(5):2404–10

In vivo administration of anti-I-A antibody induces the internalization of B cell surface I-A and I-E without affecting the expression of surface immunoglobulin. Fultz M, et al. **J Immunol** 1984 Jul;133(1):91–7

Phorbol diester induces expression of Tac antigen on human acute T lymphocytic leukemic cells. Greene WC, et al. **J Immunol** 1984 Aug;133(2):1042–7

Monoclonal antibodies specific for Leishmania tropica. I. Characterization of antigens associated with stage- and species-specific determinants. Jaffe CL, et al. **J Immunol** 1983 Oct;131(4):1987–93

C-reactive protein antigenicity on the surface of human lymphocytes. James K, et al. **J Immunol** 1983 Dec; 131(6):2930–4

Identification of stage-specific sporozoite antigens of Toxoplasma gondii by monoclonal antibodies. Kasper LH, et al. **J Immunol** 1984 Jan;132(1):443–9

Subpopulations of human natural killer cells defined by expression of the Leu-7 (HNK-1) and Leu-11 (NK-15) antigens. Lanier LL, et al. **J Immunol** 1983 Oct; 131(4):1789–96

Human lymphocyte subpopulations identified by using three-color immunofluorescence and flow cytometry analysis: correlation of Leu-2, Leu-3, Leu-7, Leu-8, and Leu-11 cell surface antigen expression. Lanier LL, et al. **J Immunol** 1984 Jan;132(1):151–6

Lymphocyte activation antigens. I. A monoclonal antibody, anti-Act I, defines a new late lymphocyte activation antigen. Lazarovits AI, et al. **J Immunol** 1984 Oct; 133(4):1857–62

Thymocyte differentiation activity from the cloned monocyte/macrophage cell line RAW 264.7. Alterations in the expression of immature thymocyte surface antigens. McKernan LN, et al. **J Immunol** 1984 Sep;133(3):1362–70

Epitope mapping of the human surface suppressor/cytotoxic T cell molecule Tp32. Martin PJ, et al. **J Immunol** 1984 Feb;132(2):759–65

Natural suppressor (NS) cells found in the spleen of neonatal mice and adult mice given total lymphoid irradiation (TLI) express the null surface phenotype. Oseroff A, et al. **J Immunol** 1984 Jan;132(1):101–10

A membrane antigen (HC1) selectively present on hairy cell leukemia cells, endothelial cells, and epidermal basal cells. Posnett DN, et al. **J Immunol** 1984 Jun;132(6):2700–2

Expression of antigens of the 'T200' family of glycoproteins on hemopoietic stem cells: evidence that thymocyte cell lineage antigens are represented on 'T200'. Ralph SJ, et al. **J Immunol** 1984 May;132(5):2510–4

Enhancing effects of monocytes on modulation of a lymphocyte membrane antigen. Schroff RW, et al. **J Immunol** 1984 Oct;133(4):2270–7

A unique DR-related B cell differentiation antigen. Shipp MA, et al. **J Immunol** 1983 Nov;131(5):2458–67

Human granulocyte surface molecules identified by murine monoclonal antibodies. Skubitz KM, et al. **J Immunol** 1983 Oct;131(4):1882–8

MALA-1: a surface antigen expressed on activated murine T and B lymphocytes. Takei F. **J Immunol** 1984 Jul; 133(1):345–50

Unique surface phenotype of T cells in lymphoproliferative autoimmune MRL/Mp-lpr/lpr mice. Takei F. **J Immunol** 1984 Oct;133(4):1951–4

Characterization of human K cells by surface antigens and morphology at the single cell level. Wählin B, et al. **J Immunol** 1983 Nov;131(5):2340–7

Thy-1 antigen is present on B and T lymphocytes of the Syrian hamster. Witte PL, et al. **J Immunol** 1983 Dec; 131(6):2903–7

The antigen of mature human B cells detected by the monoclonal antibody FMC7: studies on the nature of the antigen and modulation of its expression. Zola H, et al. **J Immunol** 1984 Jul;133(1):321–6

Binding of cells to matrixes of distinct antibodies coated on solid surface. Chang TW. **J Immunol Methods** 1983 Dec 16;65(1–2):217–23

Identification of circumsporozoite proteins in individual malaria-infected mosquitoes by western blot analysis. Cochrane AH, et al. **J Immunol Methods** 1984 Jul 6; 71(2):241–5

Simultaneous enzyme-immunocytochemical detection of antigens in monocellular specimens with monoclonal antibodies. Feller AC, et al. **J Immunol Methods** 1983 Oct 14;63(2):273–9

A permanent wet-mount for fluorescent microscopy of surface stained lymphoid cells. Freer SM. **J Immunol Methods** 1984 Jan 20;66(1):187–8

Simultaneous detection of two cell surface antigens by a red blood cell rosette-microsphere binding method, and its application to the study of multiple myeloma. King MA. **J Immunol Methods** 1984 Sep 4;72(2):481–8

Development of a micro enzyme-linked immunosorbent assay for antibodies against liver-specific membrane lipoprotein. McFarlane IG, et al. **J Immunol Methods** 1983 Nov 11;64(1–2):215–25

Detection of toxoplasma membrane antigens transferred from SDS-polyacrylamide gel to nitrocellulose with monoclonal antibody and avidin–biotin, peroxidase anti-peroxidase and immunoperoxidase methods. Ogata K, et al. **J Immunol Methods** 1983 Dec 16;65(1–2):75–82

The use of cytocentrifuge preparations for the demonstration of T cell surface antigens. Salmon M, et al. **J Immunol Methods** 1984 Feb 10;66(2):327–30

Molecular characterization of a membrane protein by a simple immunobinding procedure with monoclonal antibodies. Sonnenberg A, et al. **J Immunol Methods** 1984 Sep 4;72(2):443–50

Expression of protozoan antigens by hybrids between Leishmania mexicana and myeloma SP2/0. Tomina H, et al. **J Immunol Methods** 1984 Aug 3;72(1):97–107

Antigenic variation during infection with Neisseria gonorrhoeae: detection of antibodies to surface proteins in sera of patients with gonorrhea. Zak K, et al. **J Infect Dis** 1984 Feb;149(2):166–74

Thy-1 antigen-bearing dendritic cells in murine epidermis are derived from bone marrow precursors. Bergstresser PR, et al. **J Invest Dermatol** 1984 Aug;83(2):83–7

The appearance of four basement membrane zone antigens in developing human fetal skin. Fine JD, et al. **J Invest Dermatol** 1984 Jul;83(1):66–9

The dendritic, Thy-1-positive cell of murine epidermis: a new epidermal cell type of bone marrow origin. Schuler G. **J Invest Dermatol** 1984 Aug;83(2):81–2

Characteristics of I and i antigen receptors on the membrane of erythrocytes in sickle cell anemia. Basu MK, et al. **J Lab Clin Med** 1984 May;103(5):712–9

A human natural killer cell–associated antigen defined by monoclonal antibody anti-Leu (NKP-15): functional and two-color flow cytometry analysis. Lanier LL, et al. **J Leukocyte Biol** 1984 Jan;35(1):11–7

A library of monoclonal antibodies to Torpedo cholinergic synaptosomes. Kushner PD. **J Neurochem** 1984 Sep; 43(3):775–86

Localisation of the MRC OX-2 glycoprotein on the surfaces of neurones. Webb M, et al. **J Neurochem** 1984 Oct; 43(4):1061–7

Identification of cell-surface antigens present exclusively on a sub-population of astrocytes in human foetal brain cultures. Dickson JG, et al. **J Neuroimmunol** 1983 Oct; 5(2):111–23

Monoclonal antibodies to specific astroglial and neuronal antigens reveal the cytoarchitecture of the Bergmann glia fibers in the cerebellum. de Blas AL. **J Neurosci** 1984 Jan; 4(1):265–73

The D1.1 antigen: a cell surface marker for germinal cells of the central nervous system. Levine JM, et al. **J Neurosci** 1984 Mar;4(3):820–31

Lung-stage expression of a major schistosome surface antigen. Aronstein WS, et al. **J Parasitol** 1983 Dec; 69(6):1027–32

Macrophage specific antigen is expressed by resting microglia in the CNS but not by Langerhans cells in the skin. Mathew RC, et al. **J Pathol** 1983 Dec;141(4):435–40

Identification of surface antigens of Sarcocystis muris (Coccidia). Abbas MK, et al. **J Protozool** 1983 May; 30(2):356–61

Localization by monoclonal antibodies of various surface antigens of hamster spermatozoa and the effect of antibody on fertilization in vitro. Moore HD, et al. **J Reprod Fertil** 1984 Jan;70(1):175–83

Human mononuclear phagocyte-associated antigens. III. Relationship of cell surface antigen phenotype between cultured monocytes and tissue macrophages. Waldrep JC, et al. **J Reticuloendothel Soc** 1983 Oct;34(4):323–30

ABO (H) cell surface antigens in benign and malignant parotid neoplasms. Woltering EA, et al. **J Surg Oncol** 1983 Nov;24(3):177–9

Cell surface antigens in bladder cancer. Javadpour N. **J Urol** 1983 Feb;129(2):439

Antigenic analysis of woodchuck hepatitis virus surface antigen with site-specific radioimmunoassays. Cote PJ, et al. **J Virol** 1984 Mar;49(3):701–8

Major polypeptide of duck hepatitis B surface antigen particles. Marion PL, et al. **J Virol** 1983 Nov;48(2):534–41

Histologic and cell surface antigen studies of hematopoietic tumors induced by Cas-Br-M murine leukemia virus. Fredrickson TN, et al. **JNCI** 1984 Feb;72(2):447–54

Antigenic determinants in a virus-induced mouse mammary tumor recognized by cell-mediated immune assays. Lopez PF, et al. **JNCI** 1984 Mar;72(3):725–32

Monoclonal antibodies against cell surface antigens present on human urinary bladder cancer cells. Masuko T, et al. **JNCI** 1984 Mar;72(3):523–30

Characterization of a monoclonal antibody, KR-P8, that detects a new prostate-specific marker. Raynor RH, et al. **JNCI** 1984 Sep;73(3):617–25

Alterations in cell surface phenotype of T- and B-cell chronic lymphocytic leukemia cells following in vitro differentiation by phorbol ester. Shawler DL, et al. **JNCI** 1984 May;72(5):1059–63

Modulation of cell surface antigens induced by 12-O-tetradecanoyl-phorbol 13-acetate in two myeloblastic cell lines, a promyelocytic cell line, and a monoblastic cell line: detection with five monoclonal antibodies. Sugimoto T, et al. **JNCI** 1984 Apr;72(4):923–8

Determination of cell surface membrane antigens common to both human neuroblastoma and leukemia-lymphoma cell lines by a panel of 38 monoclonal antibodies. Sugimoto T, et al. **JNCI** 1984 Jul;73(1):51–7

B-cell malignancies and differentiation antigens defined with monoclonal antibodies. Kikuchi K, et al. **Jpn J Clin Oncol** 1983 Sep;13(3):517–31

B-cell differentiation antigen expressed on a human myeloma cell line (KMM-1). Togawa A, et al. **Jpn J Clin Oncol** 1983 Sep;13(3):511–5

Correlation of lung macrophage age and surface antigen in the hamster. Harbison ML, et al. **Lab Invest** 1984 Jun; 50(6):653–8

Thymic epithelial antigen, acquired during ontogeny and defined by the anti-p19 monoclonal antibody, is lost in thymomas. Savino W, et al. **Lab Invest** 1984 Sep; 51(3):292–6

Histochemically demonstrable changes in cell surface carbohydrates of human germ cell tumors. Teshima S, et al. **Lab Invest** 1984 Mar;50(3):271–7

Cutaneous malignant lymphoma with dual B and T cell markers [letter] Dreno B, et al. **Lancet** 1984 Aug 25; 2(8400):459

Detection of micrometastases in patients with primary breast cancer. Redding WH, et al. **Lancet** 1983 Dec 3; 2(8362):1271–4

Characterization of new non-T, non-B acute lymphoblastic leukemia cell lines: analysis of surface antigens by quantitative cellular radioimmunoassay and flow cytometry. Okamura J, et al. **Leuk Res** 1984;8(1):97–104

Chemical characterization of specific pulmonary macrophage cell surface antigen. Godleski JJ, et al. **Lung** 1984; 162(3):183–92

Natural and induced antisera specific for pulmonary macrophages. Godleski JJ, et al. **Lung** 1984;162(3):171–82

Two-dimensional immunoelectrophoresis of membrane antigens. Converse CA, et al. **Methods Enzymol** 1983; 96:244–57

Preparation of antibodies to clathrin and use in cytochemical localization. Keen JH. **Methods Enzymol** 1983;98:359–68

Production of monoclonal antibodies reacting with the cytoplasm and surface of differentiated cells. Scearce RM, et al. **Methods Enzymol** 1983;103:459–69

Surface antigens of Proteus mirabilis revealed by electroblotting from sodium dodecyl sulphate-polyacrylamide gels. Driver K, et al. **Microbios** 1984;41(160):87–98

Identification and isolation of a common tumor-associated molecule using monoclonal antibody. Pak KY, et al. **Mol Immunol** 1983 Dec;20(12):1369–77

VEP 10 and VEP 13: two monoclonal antibodies raised against human large granular lymphocytes. Kraft D, et al. **Monogr Allergy** 1983;18:174–7

Difficulties and new strategies in the identification of functional T cell populations in humans. Moretta A, et al. **Monogr Allergy** 1983;18:106–11 (20 ref.)

In vitro augmentation of interleukin-2 production and lymphocytes with the TAC antigen marker in patients with AIDS [letter] Tsang KY, et al. **N Engl J Med** 1984 Apr 12;310(15):987

Immune sera recognize on erythrocytes Plasmodium

falciparum antigen composed of repeated amino acid sequences. Coppel RL, et al. **Nature** 1984 Aug 30-Sep 5; 310(5980):789-92

An antigenic difference between cells forming early and late haematopoietic spleen colonies (CFU-S). Harris RA, et al. **Nature** 1984 Feb 16-22;307(5952):638-41

Topological distribution of different forms of neural cell adhesion molecule in the developing chick visual system. Schlosshauer B, et al. **Nature** 1984 Jul 12-18; 310(5973):141-3

Mitochondria control expression of a murine cell surface antigen. Smith R 3d, et al. **Nature** 1983 Dec 8-14; 306(5943):599-601

Fasciola hepatica: development of monoclonal antibodies and their use to characterize a glycocalyx antigen in migrating flukes. Hanna RE, et al. **Parasite Immunol** 1983 Jul; 5(4):409-25

The occurrence of antibodies to hidden and exposed determinants of surface antigens of Trichinella spiralis. Ortega-Pierres G, et al. **Parasitology** 1984 Apr;88 (Pt 2):359-69

Characterization of an S antigen synthesized by several isolates of Plasmodium falciparum. Anders RF, et al. **Proc Natl Acad Sci USA** 1983 Nov;80(21):6652-6

A synaptic vesicle antigen is restricted to the junctional region of the presynaptic plasma membrane. Buckley KM, et al. **Proc Natl Acad Sci USA** 1983 Dec;80(23):7342-6

Cell surface antigens of human bladder cancer defined by mouse monoclonal antibodies. Fradet Y, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(1):224-8

Alteration of the retinotectal map in Xenopus by antibodies to neural cell adhesion molecules. Fraser SE, et al. **Proc Natl Acad Sci USA** 1984 Jul;81(13):4222-6

Two antigenically related neuronal cell adhesion molecules of different specificities mediate neuron-neuron and neuron-glia adhesion. Grumet M, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(1):267-71

The mononuclear phagocyte system of the mouse defined by immunohistochemical localization of antigen F4/80: macrophages of endocrine organs. Hume DA, et al. **Proc Natl Acad Sci USA** 1984 Jul;81(13):4174-7

Monoclonal antibody cross-reactions between Drosophila and human brain. Miller CA, et al. **Proc Natl Acad Sci USA** 1983 Dec;80(24):7641-5

Characterization of a membrane antigen from rabbit testis and sperm isolated by using monoclonal antibodies and effect of its antiserum on fertility. Naz RK, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(3):857-61

Detection of an Epstein-Barr virus-associated membrane antigen in Epstein-Barr virus-transformed nonproducer cells by leukocyte migration inhibition and blocking antibody. Szigeti R, et al. **Proc Natl Acad Sci USA** 1984 Jul;81(13):4178-82

Brain cell surface glycoproteins identified by monoclonal antibodies. Goridis C, et al. **Prog Brain Res** 1983;58:201-8

Cell surface antigens and differentiation. Auerbach R. **Prog Clin Biol Res** 1984;149:3-13

Granulocyte-specific antigens and methods for their detection. Engelfriet CP, et al. **Prog Clin Biol Res** 1984; 149:121-54

Antigenic changes associated with cellular aging. Kay MM. **Prog Clin Biol Res** 1983;133:65-76

Alloantigens specific to blood polymorphonuclear neutrophils. Lalezari P. **Prog Clin Biol Res** 1983;133:23-30

Characterization of human myelomonocytic antigens using monoclonal antibodies. McKolanis JR, et al. **Prog Clin Biol Res** 1983;133:145-56

Platelet-specific antigen systems and their detection. Miller WV, et al. **Prog Clin Biol Res** 1984;149:79-101 (46 ref.)

An immunoenzyme histochemical technique for the demonstration of surface antigens on multiple cell types. Nason SG, et al. **Prog Clin Biol Res** 1983;133:59-62

The surface antigen profile of HEL cells. Papayannopoulou T, et al. **Prog Clin Biol Res** 1983;134:277-92

A longitudinal study of T cell subset surface antigen expression in multiple sclerosis. Paty DW, et al. **Prog Clin Biol Res** 1984;146:119-24

Non-HLA lymphocyte antigens detected in PLT (primed lymphocyte test). Singal DP, et al. **Prog Clin Biol Res** 1983; 133:3-13

Blood group T and Tn antigens are universal, clonal, epithelial cell-adhesive, autoimmunogenic carcinoma markers. Springer GF. **Prog Clin Biol Res** 1983;133:157-66

Monocyte surface antigens. Stastny P, et al. **Prog Clin Biol Res** 1984;149:189-203

Antigens common to monocytes and endothelial cells: detection by monoclonal and allospecific antibodies. Thompson JS, et al. **Prog Clin Biol Res** 1984;149:169-87

The use of scanning immuno-electron microscopy to detect surface membrane immunoglobulins and antigens on normal and leu .emic human leukocytes: current status. Gamliel H, et al. **Scan Electron Microsc** 1983;(Pt 2):929-38

T4-labeling technique and its applications with particular reference to blood group antigens in bladder tumors. Kumon H, et al. **Scan Electron Microsc** 1983;(Pt 2):939-48

A common epitope identified by a monoclonal antibody, MID 2, present on all leucocytes and associated with a group of high molecular weight glycopeptides. Banga JP, et al. **Scand J Immunol** 1984 Jan;19(1):11-21

Small cell carcinoma of the lung: macrophage-specific antigens suggest hemopoietic stem cell origin. Ruff MR, et al. **Science** 1984 Sep 7;225(4666):1034-6

Serological analysis of a subgroup of human T-lymphotropic retroviruses (HTLV-III) associated with AIDS. Schüpbach J, et al. **Science** 1984 May 4;224(4648):503-5

Antigens of Mycoplasma hominis. Brown MB, et al. **Sex Transm Dis** 1983 Oct-Dec;10(4 Suppl):247-55

Isolation of highly malignant Thy-1-positive revertants from cultured cloned Thy-1-negative lymphoma cells of low tumorigenicity. Basch RS, et al. **Somatic Cell Mol Genet** 1984 Jan;10(1):37-44

Wilms' tumor-aniridia association: segregation of affected chromosome in somatic cell hybrids, identification of cell surface antigen associated with deleted area, and regional mapping of c-Ha-ras-1 oncogene, insulin gene, and beta-globin gene. Fisher JH, et al. **Somatic Cell Mol Genet** 1984 Sep;10(5):455-64

HLA-D and -DR antigens on human amniotic fluid cells. II. Heterogeneous expression of HLA-DR and other cell surface markers. Kreeb G, et al. **Tissue Antigens** 1984 Jan; 23(1):61-7

Monoclonal antibodies demonstrate similarity of surface antigens on different clones of Schistosoma mansoni schistosomula. Smith MA, et al. **Trans R Soc Trop Med Hyg** 1984;78(2):187-9

Immunohistologic analysis of the cell surface antigens of human dendritic cells using monoclonal antibodies. Hancock WW, et al. **Transplant Proc** 1984 Aug;16(4):963-7

Identification of differentiation antigens of melanoma and melanocytes by mouse and human monoclonal antibodies. Houghton AN. **Transplant Proc** 1984 Apr;16(2):351-4

Detection of cell surface antigen in cancer of renal pelvis and ureter. Lippert M, et al. **Urology** 1983 Oct;22(4):366-8

Double blind comparison of T-antigen and ABO(H) cell surface antigens in bladder cancer. Vafier JA, et al. **Urology** 1984 Apr;23(4):348-51

Detection of bovine enterotoxigenic Escherichia coli possessing a K99 or Att25 adherence antigen by a radial immunodiffusion technique. Lintermans PF, et al. **Vet Rec** 1983 Oct 15;113(16):376

Immunoelectron microscopic demonstration of tissue antigens with monoclonal antibodies. Hansmann ML, et al. **Virchows Arch [Cell Pathol]** 1984;46(1-2):1-12

The nature of polypeptides larger in size than the major surface antigen components of hepatitis b and like viruses in ground squirrels, woodchucks, and ducks. Feitelson MA, et al. **Virology** 1983 Oct 15;130(1):76-90

Adenovirus type 12 specific cell surface antigen in transformed cells is a product of the E1b early region. Föhring B, et al. **Virology** 1983 Dec;131(2):463-72

The feline oncornavirus-associated cell membrane antigen (FOCMA) is related to, but distinguishable from, FeLV-C gp70. Snyder HW Jr, et al. **Virology** 1983 Dec; 131(2):315-27

Identification of surface and internal antigens from spontaneously released Plasmodium falciparum merozoites by radio-iodination and metabolic labelling. Heidrich HG, et al. **Z Parasitenkd** 1983;69(6):715-25

[Passive hemagglutination test with capsular and somatic antigens of Pasteurella multocida strains isolated from birds] Iurukov M, et al. **Vet Med Nauki** 1983;20(8):85-92 (Eng. Abstr.) **(Bul)**

[Effect of heavy metals and pesticides on the antigenic behavior of mastitis staphylococci isolated from cows and sheep] Karadzhov Ia, et al. **Vet Med Nauki** 1983;20(8):81-4 (Eng. Abstr.) **(Bul)**

[ABO(H) cell surface antigens in carcinoma of urinary bladder: its correlation with grade, stage and clinical course] Dong SG. **Chung Hua Wai Ko Tsa Chih** 1983 Sep; 21(9):513-6 (Eng. Abstr.) **(Chi)**

[Thy-1 antigen] Xie SS. **Sheng Li Ko Hsueh Chin Chan** 1983 Jul;14(3):262-5 **(Chi)**

[Cytofluorometric study of the cell cycle and various lymphocyte differentiation membrane antigens in the synovial fluid in rheumatoid polyarthritis] Bonvoisin B, et al. **Rev Rhum Mal Osteoartic** 1984 Jun;51(6):311-6 (Eng. Abstr.) **(Fre)**

[Possibilities for the use of immuaofluorescence in clinical immunologic diagnosis] Storch W. **Acta Histochem [Suppl] (Jena)** 1984;30:89-92 (Eng. Abstr.) **(Ger)**

[Slide test for immunofluorescent microscopy and immunoenzyme detection of cell-membrane antigens] Kupper H, et al. **Allerg Immunol (Leipz)** 1983;29(4):223-8 (Eng. Abstr.) **(Ger)**

[Detection of a thymus-specific antigen in cattle using a solid phase immunoenzyme test for plasma membranes] Ristau E. **Arch Exp Veterinarmed** 1984 Mar;38(2):283-6 (Eng. Abstr.) **(Ger)**

[Detection of surface antigens in Borna virus-infected cells] Ludwig H, et al. **Berl Munch Tierarztl Wochenschr** 1984 Feb 1;97(2):47-51 (Eng. Abstr.) **(Ger)**

[The study of K99 antigen of Escherichia coli by electron microscope and immunofluorescence] Valente C, et al. **Ann Sclavo** 1982 Nov-Dec;24(6):620-9 (Eng. Abstr.) **(Ita)**

[The specific erythrocyte adherence method in the study of ABH antigens on normal and neoplastic bladder epithelium] Ongaro G, et al. **Quad Sclavo Diagn** 1983 Jun; 19(2):242-61 (Eng. Abstr.) **(Ita)**

[Culture of TCGF-dependent immunosuppressor T cells in gastric cancer patients and phenotypic characterization of the cell surface, using monoclonal antibodies and a fluorescence-activated cell sorter (FACS)] Koyama S, et al. **Gan No Rinsho** 1984 Jul;30(8):912-24 (Eng. Abstr.) **(Jpn)**

[Surface marker studies on the peripheral blood lymphocytes of Vogt-Koyanagi-Harada's disease] Okubo K, et al. **Nippon Ganka Gakkai Zasshi** 1983;87(11):1250-6 (Eng. Abstr.) **(Jpn)**

[Localization and nature of retinal A-antigen] Usui M, et al. **Nippon Ganka Gakkai Zasshi** 1984 Apr;88(4):698-708 (Eng. Abstr.) **(Jpn)**

[Induction of differentiation of human myelomonocytic cell lines by chemical inducers: analysis of surface antigens with monoclonal antibodies] Yamada K, et al. **Nippon Ketsueki Gakkai Zasshi** 1984 May;47(3):703-8 (Eng. Abstr.) **(Jpn)**

[Immunologic heterogeneity of acute lymphoblastic leukemia in children detected with xenogeneic antisera] Baryshnikov AIu, et al. **Ter Arkh** 1983;55(11):81-6 (Eng. Abstr.) **(Rus)**

[Localization of antigen F-1 of Yersinia pestis EV by an immunoferritin method] Zolotarev AG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Jul;(7):62-4 (Eng. Abstr.) **(Rus)**

[Significance of the determination of serum CA19.9 in patients with tumor or non-tumor pancreatopathies (letter)] Encabo G, et al. **Med Clin (Barc)** 1984 Mar 31;82(12):560-1 **(Spa)**

BIOSYNTHESIS

The control of variant surface antigen synthesis in trypanosomes. Borst P, et al. **Eur J Biochem** 1983 Dec 15;137(3):383-9 (49 ref.)

Organization and expression of genes involved in the biosynthesis of K99 fimbriae. de Graaf FK, et al. **Infect Immun** 1984 Feb;43(2):508-14

Relationship of neoantigens induced by 3-methyl-cholanthrene treatment of Syrian hamster embryo cells to antigens expressed on fetal and 3-methyl-cholanthrene-transformed neoplastic cells. McCabe RP, et al. **Oncodev Biol Med** 1983;4(6):383-93

[Relation between thymosin fraction 5, prostaglandin release and Thy-1 antigen appearance in mice lymphocytes] Mastino A, et al. **Boll Soc Ital Biol Sper** 1983 Nov 30; 59(11):1661-4 (Eng. Abstr.) **(Ita)**

BLOOD

Plasma levels of the leucocyte L1 protein in febrile conditions: relation to aetiology, number of leucocytes in blood, blood sedimentation reaction and C-reactive protein. Sander J, et al. **Scand J Clin Lab Invest** 1984 Jun; 44(4):357-62

CLASSIFICATION

Distinct classes of human T-cell activation antigens. Talle MA, et al. **Cell Immunol** 1984 Apr 1;84(2):285-98

Tumor antigens as modified normal cell surface antigens. Parmiani G. **Prog Clin Biol Res** 1983;132B:363-71

GENETICS

Unusual phenotype (Leu 7+, OKT4+, OKM1+) expressed by cells from a patient with an abnormal expansion of granular lymphocytes. Quinti I, et al. **Acta Haematol (Basel)** 1984;71(5):310-5

Productive murine leukemia virus (MuLV) infection of EL4 T-lymphoblastoid cells: selective elevation of H-2 surface expression and possible association of Thy-1 antigen with viruses. Henley SL, et al. **Adv Exp Med Biol** 1984; 172:365-81

T cell alloantigens encoded by the IgT-C region of chromosome 12 in the mouse. Owen FL. **Adv Immunol** 1983;34:1-38 (139 ref.)

The cell surface antigen locus, MIC2X, escapes X-inactivation. Goodfellow P, et al. **Am J Hum Genet** 1984 Jul;36(4):777-82

Non-MHC alloantigenic system in pigs (SLC) detected by leucoagglutination. Hruban V, et al. **Anim Blood Groups Biochem Genet** 1983;14(4):299-304

Expression of K99 pilus of E. coli. Contrepois M, et al. **Ann Rech Vet** 1983;14(4):400-7

Lack of HLA (A, B and C) antigen expression on the cell surface of trophoblastic tumors (hydatidiform moles and choriocarcinoma). Yamashita K, et al. **Asia Oceania J Obstet Gynaecol** 1984 Mar;10(1):95-9

T cell surface antigens in blast crisis of CML [letter] Neame PB, et al. **Blood** 1984 Apr;63(4):970-1

Two modes of activation of a single surface antigen gene of Trypanosoma brucei. Bernards A, et al. **Cell** 1984 Jan; 36(1):163-70

A nonpolymorphic class I gene in the murine major histocompatibility complex. Mellor AL, et al. **Cell** 1984 Jan;36(1):139-44

Gene conversion as a mechanism for antigenic variation in trypanosomes. Pays E, et al. **Cell** 1983 Sep;34(2):371-81

At least two transposed sequences are associated in the expression site of a surface antigen gene in different trypanosome clones. Pays E, et al. **Cell** 1983 Sep; 34(2):359-69

Some behavioral consequences of H-2:Qa:Tla polymorphism. Boyse EA. **Cell Immunol** 1983 Nov;82(1):33-5 (15 ref.)

Absence of OKT4-positive lymphocytes in black African subjects. Joffe MI, et al. **Cell Immunol** 1984 Apr 1;

84(2):453–7
Somatic cell genetics and flow cytometry. Kamarck ME, et al. **Cytometry** 1983 Sep;4(2):99–108 (39 ref.)
'Attached cell' antigen 28.3.7 mapping to human chromosome 15 characterises TPA-induced differentiation of the promyelocytic HL-60 cell line to give macrophage/monocyte populations. Blaineau C, et al. **EMBO J** 1983;2(11):2007–12
Identification of a cDNA clone encoding a mature blood stage antigen of Plasmodium falciparum by immunization of mice with bacterial lysates. Coppel RL, et al. **EMBO J** 1984 Feb;3(2):403–7
Cell-free synthesis of Schistosoma mansoni surface antigens: stage specificity of their expression. Knight M, et al. **EMBO J** 1984 Jan;3(1):213–9
The gene coding the human S11 surface antigens maps between the loci for HPRT and G6PD on the X-chromosome. Kamarck ME, et al. **Exp Cell Res** 1983 Dec;149(2):325–34
Expression of cloned cDNA for a major surface antigen of Plasmodium falciparum merozoites. Odink KG, et al. **FEBS Lett** 1984 Jul 23;173(1):108–12
Antigenic polymorphism of the T4 differentiation antigen expressed on human T helper/inducer lymphocytes. Fuller TC, et al. **Hum Immunol** 1984 Feb;9(2):89–102
Two distinct TL-like molecular subsets defined by monoclonal antibodies on the surface of human thymocytes with different expression on leukemia lines. Olive D, et al. **Immunogenetics** 1984;20(3):253–64
Identification and mapping of Lm-1, an Igh-linked locus for a murine alloantigen. O'Toole MM, et al. **Immunogenetics** 1984;20(3):265–75
A new determinant, Qa-m208, detected on T lymphocytes and transfected L cells by a Kb-specific monoclonal antibody. Oudshoorn-Snoek M, et al. **Immunogenetics** 1984; 19(6):461–74
New Thy-1- and H-2-congenic strains of mice and their application in studies on the mechanism of anti-Thy-1.1 response. Reichner JS, et al. **Immunol Commun** 1983 Oct; 12(5):501–8
Mechanism of bacterial resistance to complement-mediated killing: inserted C5b-9 correlates with killing for Escherichia coli O111B4 varying in O-antigen capsule and O-polysaccharide coverage of lipid A core oligosaccharide. Joiner KA, et al. **Infect Immun** 1984 Jul; 45(1):113–7
Immunochemical characterization of a heat-stable surface antigen of Mycoplasma pulmonis expressing both species-specific and strain-specific determinants. Nichols EJ, et al. **Infect Immun** 1984 May;44(2):355–63
Specific surface antigens of SmT variants of Mycobacterium avium. Thorel MF, et al. **Infect Immun** 1984 Jan;43(1):438–9
The role of duplication in the expression of a variable surface glycoprotein gene of Trypanosoma brucei. Young JR, et al. **J Cell Biochem** 1984;24(3):287–95
Ethnic differences in the lymphocyte proliferative response induced by a murine IgG1 antibody, Leu-4, to the T3 molecule. AboT, et al. **J Exp Med** 1984 Jul 1;160(1):303–9
The major histocompatibility complex-restricted antigen receptor on T cells. II. Role of the L3T4 product. Marrack P, et al. **J Exp Med** 1983 Oct 1;158(4):1077–91
Clonal heterogeneity in the requirement for T3, T4, and T8 molecules in human cytolytic T lymphocyte function. Moretta A, et al. **J Exp Med** 1984 Mar 1;159(3):921–34
Genetic and biochemical characterization of human lymphocyte cell surface antigens. The A-1A5 and A-3A4 determinants. Peters PM, et al. **J Exp Med** 1984 May 1; 159(5):1441–54
The use of cell surface antigens to characterize and select for fragments of human chromosomes retained by interspecies hybrids. Kamarck ME, et al. **J Exp Zool** 1984 May;230(2):255–63
H-2 antigens of certain t and non-t mice react with the same monoclonal antibody. Balber AE, et al. **J Immunogenet** 1984 Apr;11(2):127–33
Characterization of an antigen present on testicular cells and preimplantation embryos whose expression is modified by the t12 haplotype. Cheng CC, et al. **J Immunogenet** 1983 Dec;10(6):465–85
Plasma cell antigen PC-1: a nomenclature problem [letter] Goding JW. **J Immunol** 1984 Oct;133(4):2278–9
Characterization of determinants encoded by four Qa-1 genotypes and their recognition by cloned cytotoxic T lymphocytes. Jenkins RN, et al. **J Immunol** 1983 Nov; 131(5):2147–53
A family with hereditary lack of T4+ inducer/helper T cell subsets in peripheral blood lymphocytes. Sato M, et al. **J Immunol** 1984 Mar;132(3):1071–3
Genetic mapping of mouse C4-bp locus to the H-2D-Qa interval. Takahashi S, et al. **J Immunol** 1984 Jan;132(1):6–8
Localization of human myeloid-associated surface antigen detected by a panel of 20 monoclonal antibodies to the q12-qter region of chromosome 11. van Kessel AG, et al. **J Immunol** 1984 Sep;133(3):1265–9
Qa-like genes defined by CTL analysis of B10.W lines. Vučak I, et al. **J Immunol** 1984 May;132(5):2232–6
Cell surface antigen phenotypes of MCF-induced thymic lymphomas in AKR mice. Yetter RA, et al. **J Immunol** 1984 May;132(5):2644–8
DNA rearrangements of the variable surface antigen genes of the trypanosomes. Murphy WJ, et al. **J Protozool** 1984 Feb;31(1):65–73
Quick-changing trypanosomes elude antibody [news] Wingerson L. **JAMA** 1983 Dec 23–30;250(24):3272
Molecular characterization of initial variants from the IsTat I serodeme of Trypanosoma brucei. Milhausen M, et al. **Mol Biochem Parasitol** 1983 Nov;9(3):241–54
Cloning of malarial genes coding for high molecular weight antigens: isolation of fragments of Plasmodium falciparum genes coding for proteins of 145 000 molecular weight. Odink KG, et al. **Mol Biochem Parasitol** 1984 Jan; 10(1):55–66
Genomic organization of Trypanosoma brucei variant antigen gene families in sequential parasitemias. Parsons M, et al. **Mol Biochem Parasitol** 1983 Nov;9(3):255–69
Immunoprecipitation of surface antigen precursors from Schistosoma mansoni messenger RNA in vitro translation products. Taylor DW, et al. **Mol Biochem Parasitol** 1984 Mar;10(3):305–18
Beta 2-microglobulin from serum associates with MHC class I antigens on the surface of cultured cells. Bernabeu C, et al. **Nature** 1984 Apr 12–18;308(5960):642–5
Activation of a Qa/Tla class I major histocompatibility antigen gene is a general feature of oncogenesis in the mouse. Brickell PM, et al. **Nature** 1983 Dec 22–1984 Jan 4;306(5945):756–60
Stability of expression-linked surface antigen gene in Trypanosoma equiperdum. Buck GA, et al. **Nature** 1984 Feb 9–15;307(5951):563–6
Functional expression of a transfected murine class II MHC gene. Germain RN, et al. **Nature** 1983 Nov 10–16; 306(5939):190–4
Evidence for immunological cross-reaction between sporozoites and blood stages of a human malaria parasite. Hope IA, et al. **Nature** 1984 Mar 8–14;308(5955):191–4
Amplification of a gene coding for human T-cell differentiation antigen. Kavathas P, et al. **Nature** 1983 Nov 24–30;306(5941):385–7
Evolution of a trypanosome surface antigen gene repertoire linked to non-duplicative gene activation. Laurent M, et al. **Nature** 1984 Mar 22–28;308(5957):370–3
Are there two classes of VSG gene in Trypanosoma brucei? Young JR, et al. **Nature** 1983 Nov 10–16;306(5939):196–8
Isolation and translation of mRNA coding for the variant surface antigens of Paramecium. Sommerville J. **Nucleic Acids Res** 1983 Nov 11;11(21):7375–85
Mechanisms of integration of de novo-synthesized polypeptides into membranes: signal-recognition particle is required for integration into microsomal membranes of calcium ATPase and of lens MP26 but not of cytochrome b5. Anderson DJ, et al. **Proc Natl Acad Sci USA** 1983 Dec; 80(23):7249–53
Expression of the Thy-1 glycoprotein gene by DNA-mediated gene transfer. Evans GA, et al. **Proc Natl Acad Sci USA** 1984 Sep;81(17):5532–6
Transformation of retinal glia cells into lens phenotype: expression of MP26, a lens plasma membrane antigen. Moscona AA, et al. **Proc Natl Acad Sci USA** 1983 Dec; 80(23):7239–43
Isolation of cDNA clones for the chicken neural cell adhesion molecule (N-CAM). Murray BA, et al. **Proc Natl Acad Sci USA** 1984 Sep;81(17):5584–8
Structure of the gene encoding the immunodominant surface antigen on the sporozoite of the human malaria parasite Plasmodium falciparum. Dame JB, et al. **Science** 1984 Aug 10;225(4662):593–9
DNA cloning of Plasmodium falciparum circumsporozoite gene: amino acid sequence of repetitive epitope. Enea V, et al. **Science** 1984 Aug 10;225(4662):628–30
Chromosome 4 Jt gene controls murine T cell surface I-J expression. Hayes CE, et al. **Science** 1984 Feb 10; 223(4636):559–63
Human malarial gene cloned [news] Marx JL. **Science** 1984 Aug 10;225(4662):607–8
Tracking the lost I-J suppressor region [news] Marx JL. **Science** 1984 Feb 10;223(4636):573–4
Plasmodium knowlesi sporozoite antigen: expression by infectious recombinant vaccinia virus. Smith GL, et al. **Science** 1984 Apr 27;224(4647):397–9
Assignment of gene(s) coding for antigen defined by monoclonal antibody 2B2. Suomalainen HA, et al. **Somatic Cell Genet** 1983 Nov;9(6):745–56
Human chromosome 11 carries at least four genes controlling expression of cell-surface antigens. Tunnacliffe A, et al. **Somatic Cell Genet** 1983 Sep;9(5):629–42
Three human cell surface antigen systems determined by genes on chromosome 12. Dracopoli NC, et al. **Somatic Cell Mol Genet** 1984 Sep;10(5):475–81
Relationships between genes on human chromosome 11 encoding cell-surface antigens. Jones C, et al. **Somatic Cell Mol Genet** 1984 Jul;10(4):423–8
Two cell-surface markers for human chromosome 1 in interspecies hybrids. Rettig WJ, et al. **Somatic Cell Mol Genet** 1984 May;10(3):297–305
Human muscle cell surface antigen 16.3A5 is encoded by a gene on chromosome 11. Woodroofe MN, et al. **Somatic Cell Mol Genet** 1984 Sep;10(5):535–40
Major histocompatibility complex of chickens: genes, antigens, differential features, and special contributions to our knowledge of the advantages of polymorphism of cell surface antigens. Longenecker BM. **Surv Immunol Res** 1982;1(3):205–11 (53 ref.)
The Ir-Thy-1 concept: facts and interpretation. Zaleski MB, et al. **Surv Immunol Res** 1982;1(1):76–84 (25 ref.)
Polymorphism and expression of Qed. Lindahl KF. **Transplant Proc** 1983 Dec;15(4):2042–4
The biochemical genetics of the Qa-Tla region. Michaelson J, et al. **Transplant Proc** 1983 Dec;15(4):2033–8
Role of the carbohydrate prosthetic groups in the biosynthesis of membrane antigens and in the H-2-restricted lysis of MBL-2 lymphoma cells. Pierotti MA, et al. **Transplant Proc** 1983 Dec;15(4):2068–73
Genetic engineering and a schistosome vaccine. Taylor DW, et al. **Vet Parasitol** 1984 Jun;14(3–4):285–98 (30 ref.)
[Advances in molecular genetics of pathogenic factors of toxigenic E. coli] Zhang LY. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1984 Apr; 5(2):117–20 **(Chi)**

IMMUNOLOGY

Demonstration and partial characterization of chronic lymphocytic leukemia lymphocyte-associated antigens by crossed immunoelectrophoresis of Triton X-100 extracts. Wilken M, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1983 Aug; 91(4):237–44
Surface antigens of stocks and clones of Trypanosoma cruzi isolated from humans. Zingales B, et al. **Acta Trop (Basel)** 1984 Mar;41(1):5–16
Leu M1 and peanut agglutinin stain the neoplastic cells of Hodgkin's disease. Hsu SM, et al. **Am J Clin Pathol** 1984 Jul;82(1):29–32
Localization in human term placental bed and amniochorion of cells bearing trophoblast antigens identified by monoclonal antibodies. Johnson PM, et al. **Am J Reprod Immunol** 1983 Jul-Aug;4(1):33–7
A monoclonal antibody to surface antigens on microfilariae of Brugia malayi reduces microfilaremia in infected jirds. Canlas M, et al. **Am J Trop Med Hyg** 1984 May;33(3):420–4
Immunity to malarial antigens on the surface of Plasmodium falciparum-infected erythrocytes. Mendis KN, et al. **Am J Trop Med Hyg** 1983 Sep;32(5):926–30
Monoclonal antibodies to Brucella surface antigens associated with the smooth lipopolysaccharide complex. Schurig GG, et al. **Am J Vet Res** 1984 May;45(5):967–71
Monoclonal antibodies to surface antigens of rabbit type II pneumocytes. Fraser CM, et al. **Am Rev Respir Dis** 1984 Sep;130(3):505–7
Monoclonal antibody to an alveolar macrophage surface antigen in hamsters. Godleski JJ, et al. **Am Rev Respir Dis** 1984 Aug;130(2):249–55
A conjugate of adriamycin and monoclonal antibodies to Thy-1 antigen inhibits human neuroblastoma cells in vitro. Hurwitz E, et al. **Ann NY Acad Sci** 1983;417:125–36
Ultrastructural immunogold labelling of human Langerhans cells enriched epidermal cell suspension. Schmitt D, et al. **Arch Dermatol Res** 1984;276(1):27–32
Monoclonal antibodies to E92, an endothelial cell surface antigen. Kaplan KL, et al. **Arteriosclerosis** 1983 Sep-Oct; 3(5):403–12
Rheumatoid arthritis and sterile corneal ulceration. Analysis of tissue immune effector cells and ocular epithelial antigens using monoclonal antibodies. Michels ML, et al. **Arthritis Rheum** 1984 Jun;27(6):606–14
Evaluation of surface components of Brucella ovis as antigens for the detection of precipitin antibody in serums from artificially exposed rams. Chin JC, et al. **Aust Vet J** 1983 Sep;60(9):264–7
Interspecies cross-reactivity of monoclonal antibodies directed against human sperm antigens. Isahakia M, et al. **Biol Reprod** 1984 May;30(4):1015–26
Combined immunodeficiency with defective expression of HLA: modulation of an abnormal HLA synthesis and functional studies. Lisowska-Grospierre B, et al. **Birth Defects** 1983;19(3):87–91
The bare lymphocyte syndrome: immunodeficiency resulting from the lack of expression of HLA antigens. Touraine JL, et al. **Birth Defects** 1983;19(3):83–5
Defective expression of mononuclear cell membrane HLA antigens associated with combined immunodeficiency: impaired cellular interactions. Zegers BJ, et al. **Birth Defects** 1983;19(3):93–6
Expression of human B cell-associated antigens on leukemias and lymphomas: a model of human B cell differentiation. Anderson KC, et al. **Blood** 1984 Jun;63(6):1424–33
Analysis of myelomonocytic leukemic differentiation by a cell surface marker panel including a fucose-binding lectin from Lotus tetragonolobus. Elias L, et al. **Blood** 1984 Jun; 63(6):1285–90
Characterization of a monoclonal antibody that reacts with an activation antigen on human B cells: reactions on mitogen-stimulated blood lymphocytes and cells of normal lymph nodes. Frisman D, et al. **Blood** 1983 Dec; 62(6):1224–9
Lack of T cell antigen expression on hairy cells of B cell origin after in vitro exposure to PHA. Han T, et al. **Blood** 1984 Apr;63(4):958–64
A cytotoxic monoclonal antibody detecting a novel B cell membrane antigen expressed predominantly on cells bearing surface membrane immunoglobulin. Jephthah J, et al. **Blood** 1984 Feb;63(2):319–25
Distribution of antigens defined by OKB monoclonal antibodies on benign and malignant lymphoid cells and on nonlymphoid tissues. Knowles DM 2d, et al. **Blood** 1984 Apr;63(4):886–96
Surface phenotype of clonogenic cells in acute myeloid

leukemia defined by monoclonal antibodies. Lange B, et al. **Blood** 1984 Sep;64(3):693–700
Lineage infidelity following exposure of T lymphoblasts (MOLT-3 cells) to 5-azacytidine. Smith LJ, et al. **Blood** 1984 Jun;63(6):1324–30
Antigenic analysis of hematopoiesis: II. Expression of human neutrophil antigens on normal and leukemic marrow cells. Strauss LC, et al. **Blood** 1984 Mar;63(3):574–8
Changes of adult T cell leukemia cell surface antigens at relapse or at exacerbation phase after chemotherapy defined by use of monoclonal antibodies. Yamada Y, et al. **Blood** 1984 Aug;64(2):440–4
Platelet surface antigens: analysis by monoclonal antibodies. I. Antibodies. I. Immunological and biochemical studies. Santoso S, et al. **Blut** 1984 Mar;48(3):161–70
Monoclonal antibodies against differentiation antigens of lymphopoiesis. Thiel E. **Blut** 1983 Nov;47(5):247–61
Cell-surface structures involved in haemopoietic cell differentiation and proliferation. Greaves MF, et al. **Br Med Bull** 1984 Jul;40(3):224–8 (48 ref.)
Differentiation antigens of teratomas and embryos. Stern PL. **Br Med Bull** 1984 Jul;40(3):218–23 (62 ref.)
Prevention of growth of leukemia cells in mice by monoclonal antibodies directed against Thy 1.1 antigen disulfide linked to two ribosomal inhibitors:pokeweed antiviral protein or ricin A chain. Ramakrishnan S, et al. **Cancer Res** 1984 Apr;44(4):1398–404
Functional studies on B-cell hybridomas with B-cell surface antigens. III. Differentiative response to phorbol esters. Hamano T, et al. **Cell Immunol** 1984 Feb;83(2):330–9
Tumor-specific immunity induced by somatic hybrids. IV. Relationship between immunogenicity and expression of surface tumor-associated antigens. Hui KM, et al. **Cell Immunol** 1984 Sep;87(2):591–600
High expression of the Thy-1 antigen on natural killer cells recently derived from bone marrow. Hurme M, et al. **Cell Immunol** 1984 Apr 1;84(2):276–84
Capping of the surface OKT3 binding molecule prevents the T-cell proliferative response to antigens: evidence that this molecule conveys the activation signal. Kammer GM, et al. **Cell Immunol** 1984 Aug;87(1):284–94
Effects of monoclonal antibodies against lymphocyte surface antigens on interleukin 2 excretion by Epstein-Barr virus-specific human T-cell hybridomas. Lakow ES, et al. **Cell Immunol** 1984 Apr 15;85(1):67–74
Surface antigen changes during B-lymphocyte activation in primates. Letvin NL, et al. **Cell Immunol** 1984 Mar; 84(1):163–70
Interleukin 2-driven T lymphocyte proliferation is dependent upon a surface antigen distinct from the interleukin 2 receptor: requirements for inhibition of T-cell proliferation by monoclonal antibody 5C3. Malek TR, et al. **Cell Immunol** 1984 Mar;84(1):85–93
Expression of the differentiation antigen of activated T and B lymphocytes (ACA-1) on cells of lymphoid and nonlymphoid tumors. Nesterenko VG, et al. **Cell Immunol** 1984 Jul;86(2):472–8
Phytohemagglutinin-induced acquisition of T-cell surface markers by rat bone marrow precursor cells in the absence of the thymic microenvironment. Pfeifer RW, et al. **Cell Immunol** 1983 Dec;82(2):258–68
Antibody to immunoselected L-cell antigens mimics stimulating activity of antibody to whole L cells. Shearer WT, et al. **Cell Immunol** 1984 Jun;86(1):230–41
Inhibition of autoimmune hepatitis with hot labelled liver specific antigen. Fehér J, et al. **Clin Exp Immunol** 1984 Feb;55(2):360–8
Antibodies to liver cell membrane antigens in chronic active hepatitis (CAH). III. Partial characterization of the liver cell membrane antigens and comparison of reactivities in sera from patients with various liver diseases. Frazer IH, et al. **Clin Exp Immunol** 1984 Aug;57(2):429–37
Antibodies to liver membrane antigens in chronic active hepatitis (CAH). II. Specificity for autoimmune CAH. Frazer IH, et al. **Clin Exp Immunol** 1983 Oct;54(1):213–8
Circulating antibodies to the surface antigens on colon epithelial cells in ulcerative colitis. Hibi T, et al. **Clin Exp Immunol** 1983 Oct;54(1):163–8
Correlation of natural killer cell function with Leu 7 reactivity in patients with humoral immunodeficiency. Huwyler T, et al. **Clin Exp Immunol** 1984 Jun;56(3):486–92
Liposome facilitated xenogeneic approach for studying human colon cancer immunity: carrier and adjuvant effect of liposomes. Raphael L, et al. **Clin Exp Immunol** 1984 Jan;55(1):1–13
Human monocyte-histiocyte differentiation antigens identified by monoclonal antibodies. Kamoun M, et al. **Clin Immunol Immunopathol** 1983 Nov;29(2):181–95
T-cell subsets in multiple sclerosis: a comparative study between cell surface antigens and function. Tjernlund U, et al. **Clin Immunol Immunopathol** 1984 Aug;32(2):185–97
Cell surface antigens reacting with antiretrovirus sera on normal mouse spleen cells: a flow cytometric study. Szabó G Jr, et al. **Cytometry** 1983 Jul;4(1):47–53
Immunohistochemical localization of two monoclonal antibody-defined carbohydrate antigens during early murine embryogenesis. Fenderson BA, et al. **Dev Biol** 1983 Dec;100(2):318–27
Lymphoid antigenic determinants of the chicken: ontogeny of bursa-dependent lymphoid tissue. Boyd RL, et al. **Dev Comp Immunol** 1984 Winter;8(1):149–67
Turtle lymphocyte surface antigens in chelydra serpentina as characterized by rabbit anti-turtle thymocyte sera. Mead KF, et al. **Dev Comp Immunol** 1984 Spring;8(2):351–8
Production of monoclonal antibodies to islet cell surface antigens using hybridization of spleen lymphocytes from non-obese diabetic mice. Yokono K, et al. **Diabetologia** 1984 May;26(5):379–85
The neural cell adhesion molecule L1 is distinct from the N-CAM related group of surface antigens BSP-2 and D2. Faissner A, et al. **EMBO J** 1984 Apr;3(4):733–7
A 45-kDa human T-cell membrane glycoprotein functions in the regulation of cell proliferative responses. Gmünder H, et al. **Eur J Biochem** 1984 Jul 2;142(1):153–60
Human monoclonal antibody to ganglioside GD2-inhibited human melanoma xenograft. Katano M, et al. **Eur J Cancer Clin Oncol** 1984 Aug;20(8):1053–9
Identification of a neodeterminant in complexes of human brain Thy-1. Almqvist P, et al. **Eur J Immunol** 1984 Aug; 14(8):734–8
The surface expression of a tumor-associated antigen on human kappa myeloma cells. Boux HA, et al. **Eur J Immunol** 1984 Mar;14(3):216–22
Helper T cell activation for the human B cell response to trinitrophenylated polyacrylamide beads: involvement of the T4 antigen. Delfraissy JF, et al. **Eur J Immunol** 1984 May;14(5):426–30
Rabbit leukocyte surface antigens defined by monoclonal antibodies. De Smet W, et al. **Eur J Immunol** 1983 Nov; 13(11):919–28
Surface markers of cytotoxic T lymphocyte clones. Haas W, et al. **Eur J Immunol** 1984 Apr;14(4):383–4
Isolation of follicular dendritic cells from human tonsils and adenoids. II. Immunocytochemical characterization. Heinen E, et al. **Eur J Immunol** 1984 Mar;14(3):267–73
Identification of an anti-monocyte monoclonal antibody that is specific for membrane complement receptor type one (CR1). Hogg N, et al. **Eur J Immunol** 1984 Mar; 14(3):236–43
Immune elimination of aging platelets by autologous monocytes: role of membrane-specific autoantibody. Khansari N, et al. **Eur J Immunol** 1983 Dec;13(12):990–4
Absence of cell surface fixation of a monoclonal antibody detectable by conventional immunoassays does not exclude expression of and interaction with the corresponding antigenic determinant. Layet C, et al. **Eur J Immunol** 1984 Jan;14(1):99–102
The cellular compartmentalization of macrophage-associated nominal antigen: immunologically relevant macrophage-associated antigen may not require an intracellular phase of macrophage handling. Malek TR, et al. **Eur J Immunol** 1983 Oct;13(10):810–5
Antigenic polymorphism of Trypanosoma cruzi: clonal analysis of trypomastigote surface antigens. Plata F, et al. **Eur J Immunol** 1984 May;14(5):392–9
Clonal expression of differentiation and Ia-like antigens on alloreactive human T lymphocytes. Schendel DJ, et al. **Eur J Immunol** 1984 Apr;14(4):363–8
Acetylcholinesterase of Schistosoma mansoni: antigenic cross-reactivity with Electrophorus electricus and its functional implications. Tarrab-Hazdai R, et al. **Eur J Immunol** 1984 Mar;14(3):205–9
Ontogeny of surface markers on functionally distinct T cell subsets in the chicken. Traill KN, et al. **Eur J Immunol** 1984 Jan;14(1):61–7
Changes in cell surface antigens during stem cell ontogeny. Berridge MV, et al. **Exp Hematol** 1984 Feb;12(2):121–9
Adult T-cell leukemia cells expressing OKT 17 antigen in the activated state. Tsuda H, et al. **Hematol Oncol** 1983 Jul-Sep;1(3):263–7
A monoclonal antibody, NCRC-11, raised to human breast carcinoma. 1. Production and immunohistological characterization. Ellis IO, et al. **Histopathology** 1984 May; 8(3):501–16
Distinct epitopes on the T8 molecule are differentially involved in cytotoxic T cell function. Biddison WE, et al. **Hum Immunol** 1984 Feb;9(2):117–30
Recognition of autologous lymphoblastoid cells by cloned human T cells: inhibition of cytotoxicity by anti-HLA antibody but not by antibody to Epstein-Barr virus induced cell surface antigen. Hank JA, et al. **Hum Immunol** 1984 Apr;9(4):211–9
Human cutaneous dendritic cells express two glycoproteins T6 and M241 which are biochemically identical to those found on cortical thymocytes. van de Rijn M, et al. **Hum Immunol** 1984 Apr;9(4):201–10
Target antigen of monoclonal reagent S5.7: comparison with T3 antigen. Borst J, et al. **Hybridoma** 1983;2(3):265–74
Antigen shared by human hemopoietic precursor cells and T and B lineage cells. Fisher AG, et al. **Hybridoma** 1983; 2(4):413–22
Monoclonal antibody to human eosinophils recognizing 95 kD surface membrane antigen. Foon KA, et al. **Hybridoma** 1983;2(4):393–402
Monoclonal antibodies to three widely distributed human cell surface antigens. Mattes MJ, et al. **Hybridoma** 1983; 2(3):253–64
Identification of human hepatoma-defined cell surface molecules. Moriarity DM, et al. **Hybridoma** 1983;2(1):39–47
Monoclonal antibodies against chicken lymphocyte surface antigens. Pink JR, et al. **Hybridoma** 1983;2(3):287–96
Comparison of target antigens of monoclonal reagents OKT5, OKT8, and Leu2A, which inhibit effector function of human cytotoxic T lymphocytes. Snow P, et al. **Hybridoma** 1983;2(2):187–99
Characterization of monoclonal antibodies against cell surface molecules associated with cytotoxic activity of natural and activated killer cells and cloned CTL lines. Spits H, et al. **Hybridoma** 1983;2(4):423–37
Soluble Mlsa antigens: stimulatory effect in vitro versus suppressive effect in vivo. Berumen L, et al. **Immunogenetics** 1984;20(1):33–45
Evolution of epitopes on human and nonhuman primate lymphocyte cell surface antigens. Clark EA, et al. **Immunogenetics** 1983;18(6):599–615
Polymorphic expression of a neutrophil differentiation antigen revealed by monoclonal antibody 7/4. Hirsch S, et al. **Immunogenetics** 1983;18(3):229–39
Intact and subcellular form of thymocytes of rats are exceptionally immunogenic in mice for inducing anti-Thy-1 T cell-independent class 2 antibody responses. Isobe K, et al. **Immunol Lett** 1983;7(2):111–5
B cell growth and differentiation factors. Howard M, et al. **Immunol Rev** 1984 Apr;78:185–210 (81 ref.)
B cell growth and differentiation factors and mechanism of B cell activation. Kishimoto T, et al. **Immunol Rev** 1984 Apr;78:97–118 (30 ref.)
Regulation of B cell activation and differentiation with factors generated by human T cell hybridomas. Mayer L, et al. **Immunol Rev** 1984 Apr;78:119–35 (42 ref.)
B-cell-tropic interleukins in murine systemic lupus erythematosus (SLE) 1. Prud'homme GJ, et al. **Immunol Rev** 1984 Apr;78:159–83 (110 ref.)
Relationship between human T cell functional heterogeneity and human T cell surface molecules. Thomas Y, et al. **Immunol Rev** 1983;74:113–28 (49 ref.)
Enhancement of immunogenicity by incorporation of lipid A into liposomal model membranes and its application to membrane-associated antigens. Tamauchi H, et al. **Immunology** 1983 Dec;50(4):605–12
Flip-flop in the Lyt 2 phenotype of T cells from radiation chimaeras between Thy 1 congenic donor and recipient mice. Thomas DB, et al. **Immunology** 1984 Mar; 51(3):563–70
Identification of cross-reactive promastigote cell surface antigens of some leishmanial stocks by 125I labeling and immunoprecipitation. Gardiner PR, et al. **Infect Immun** 1984 Feb;43(2):637–43
A surface protein expressed during the transformation of zygotes of Plasmodium gallinaceum is a target of transmission-blocking antibodies. Grotendorst CA, et al. **Infect Immun** 1984 Sep;45(3):775–7
Evidence for lipid-protein interactions in the attachment of antigens to a low-density membrane fraction isolated from Trypanosoma rhodesiense. McLaughlin J. **Infect Immun** 1984 Jan;43(1):294–301
Activation of murine B lymphocytes by Neisseria meningitidis and isolated meningococcal surface antigens. Melancon J, et al. **Infect Immun** 1983 Nov;42(2):471–9
Cell surface modifications with trifluoromethyl dinitrophenyl-soluble protein conjugates: immunogenic role of noncovalently bound hapten. Bischoff P, et al. **Int Arch Allergy Appl Immunol** 1984;75(1):20–6
Distinction between Burkitt lymphoma subgroups by monoclonal antibodies: relationships between antigen expression and type of chromosomal translocation. Ehlin-Henriksson B, et al. **Int J Cancer** 1984 Apr 15; 33(4):459–63
Immunofluorescent studies of the rat adipocyte cell surface. Pillion DJ, et al. **Int J Immunopharmacol** 1984;6(3):193–204
Cross-reacting surface antigens on Leishmania promastigotes. Ramasamy R, et al. **Int J Parasitol** 1983 Aug;13(4):337–41
Surface antigens as markers of mouse macrophage differentiation. Hirsch S, et al. **Int Rev Exp Pathol** 1983; 25:51–75 (148 ref.)
In vivo and in vitro production and detection of monoclonal antibodies to surface components on metastatic variants of murine tumor cells. Miner KM, et al. **Invasion Metastasis** 1981;1(3):158–74
Kinetics of cytotoxicity induced by immunotoxins. Enhancement by lysosomotropic amines and carboxylic ionophores. Casellas P, et al. **J Biol Chem** 1984 Aug 10; 259(15):9359–64
Inhibition of embryonic neural retina cell-substratum adhesion with a monoclonal antibody. Cole GJ, et al. **J Biol Chem** 1984 Apr 10;259(7):4031–4
Association of morphological differentiation with enhanced surface antigen expression and susceptibility to natural killer cell lysis in theophylline-treated human melanoma cells. Liao SK, et al. **J Biol Response Mod** 1983;2(3):280–92
The role of T3 in the activation of human T cells. Weiss A, et al. **J Clin Immunol** 1984 May;4(3):165–73
Distinction between epidermal antigens binding pemphigus vulgaris and pemphigus foliaceus autoantibodies. Stanley JR, et al. **J Clin Invest** 1984 Aug;74(2):313–20
Development of an enzyme-linked immunosorbent assay for studying Pseudomonas aeruginosa cell surface antigens. Borowski RS, et al. **J Clin Microbiol** 1984 Jun;19(6):736–41
Production of monoclonal antibodies to Legionella pneumophila serogroups 1 and 6. Para MF, et al. **J Clin Microbiol** 1983 Oct;18(4):895–900
Possible involvement of the T4 molecule in T cell recognition of class II HLA antigens. Evidence from studies of CTL-target cell binding. Biddison WE, et al. **J Exp Med** 1984 Mar 1;159(3):783–97

Surface antigens of malaria merozoites. A high molecular weight precursor is processed to an 83,000 mol wt form expressed on the surface of Plasmodium falciparum merozoites. Freeman RR, et al. **J Exp Med** 1983 Nov 1; 158(5):1647–53

Identification of a clonally restricted 90 kD heterodimer on two human cloned natural killer cell lines. Its role in cytotoxic effector function. Hercend T, et al. **J Exp Med** 1983 Nov 1;158(5):1547–60

Antibody directed to determinants of a Moloney virus derived MCF GP70 recognizes a thymic differentiation antigen. Johnson DA, et al. **J Exp Med** 1983 Nov 1; 158(5):1751–6

Antibodies in malarial sera to parasite antigens in the membrane of erythrocytes infected with early asexual stages of Plasmodium falciparum. Perlmann H, et al. **J Exp Med** 1984 Jun 1;159(6):1686–704

Regulation of B cell lymphomagenesis by a malignant Qa1+ inducer T cell clone. Reinisch CL, et al. **J Exp Med** 1984 Mar 1;159(3):906–20

Direct demonstration of the identity of T cell growth factor binding protein and the Tac antigen. Robb RJ, et al. **J Exp Med** 1983 Oct 1;158(4):1332–7

A human leukocyte differentiation antigen family with distinct alpha-subunits and a common beta-subunit: the lymphocyte function-associated antigen (LFA-1), the C3bi complement receptor (OKM1/Mac-1), and the p150,95 molecule. Sanchez-Madrid F, et al. **J Exp Med** 1983 Dec 1;158(6):1785–1803

Serologic cross-reactivity between Class I MHC molecules and an H-2-linked differentiation antigen as detected by monoclonal antibodies. Sharrow SO, et al. **J Exp Med** 1984 Jan 1;159(1):21–40

Activation of B lymphocytes by monovalent anti-Lyb-2 antibodies. Subbarao B, et al. **J Exp Med** 1984 Jun 1; 159(6):1796–801

Surface antigens of gonococci: correlation with virulence and serum resistance. Demarco de Hormaeche R, et al. **J Gen Microbiol** 1983 May;129 (Pt 5):1559–67

Comparison of cell surface antigen extracts from two serotypes of Pasteurella haemolytica. Donachie W, et al. **J Gen Microbiol** 1984 May;130 (Pt 5):1209–16

Surface antigens of intact Aspergillus fumigatus mycelium: their localization using radiolabelled protein A as marker. Hearn VM. **J Gen Microbiol** 1984 Apr;130 (Pt 4):907–17

Definition of a common leukocyte cell-surface antigen (Lp95–150) associated with diverse cell-mediated immune functions. Beatty PG, et al. **J Immunol** 1983 Dec; 131(6):2913–8

A novel human leukocyte differentiation antigen: monoclonal antibody anti-D44 defines a 28 Kd molecule present on immature hematologic cells and a subpopulation of mature T cells. Bernard A, et al. **J Immunol** 1984 May; 132(5):2338–44

A novel antigenic cell surface protein associated with T200 is involved in the post-activation stage of human NK cell-mediated lysis. Burns GF, et al. **J Immunol** 1984 Sep; 133(3):1391–6

Antigenic analysis of hematopoiesis. III. A hematopoietic progenitor cell surface antigen defined by a monoclonal antibody raised against KG-1a cells. Civin CI, et al. **J Immunol** 1984 Jul;133(1):157–65

Activation of antigen-specific suppressor T lymphocytes in man involves dual recognition of self class I MHC molecules and Leu-4/T3-associated structures on the surface of inducer T lymphocytes. Damle NK, et al. **J Immunol** 1984 Sep;133(3):1235–40

Monoclonal antibodies against T cell differentiation antigens initiate stimulation of monocyte/macrophage oxidative metabolism. Descamps-Latscha B, et al. **J Immunol** 1983 Nov;131(5):2500–7

Trypanosomal surface coat variant antigen causes polyclonal lymphocyte activation. Diffley P. **J Immunol** 1983 Oct; 131(4):1983–6

A new lymphocyte surface antigen defined by a monoclonal antibody (9F3) to the T cell population expanding in MRL/Mp-lpr/lpr mice. Dumont FJ, et al. **J Immunol** 1984 Aug;133(2):809–15

Role of Ly-1:Qa1- and Ly-1:Qa1+ inducer T cells in activation of Ly-23 effectors of suppression of antibody production in mice. Eardley DD, et al. **J Immunol** 1983 Nov;131(5):2154–7

Novel human cell surface protein expressed during intrathymic T cell maturation [letter] Fabre J. **J Immunol** 1984 Feb;132(2):1056–7

Ta1, a novel 105 KD human T cell activation antigen defined by a monoclonal antibody. Fox DA, et al. **J Immunol** 1984 Sep;133(3):1250–6

Alloantibodies to PHA-activated lymphocytes detect human Qa-like antigens. Gazit E, et al. **J Immunol** 1984 Jan; 132(1):165–9

Topologic mapping of protective and nonprotective epitopes on the variant surface glycoprotein of the WRATat 1 clone of Trypanosoma brucei rhodesiense. Hall T, et al. **J Immunol** 1984 Apr;132(4):2059–63

Functional studies on B cell hybridomas with B cell surface antigens. IV. Direct effects of cytochalasin B on differentiation. Hamano T, et al. **J Immunol** 1984 Jan; 132(1):122–8

Monoclonal antibody defines human cell surface protein p80 on intrathymic T cells [letter] Haynes BF, et al. **J Immunol** 1984 May;132(5):2678

Glycoproteins of 210,000 and 130,000 m.w. on activated T cells: cell distribution and antigenic relation to components on resting cells and T cell lines. Hemler ME, et al. **J Immunol** 1984 Jun;132(6):3011–8

Cellular mechanism of primary anti-Thy-1 antibody responses in vitro induced by uniquely immunogenic thymocyte antigens. Isobe KI, et al. **J Immunol** 1984 Mar; 132(3):1100–5

Delineation of suppressor and helper activity within the OKT4-defined T lymphocyte subset in human newborns. Jacoby DR, et al. **J Immunol** 1983 Oct;131(4):1765–70

Recognition of herpes simplex virus antigens on the surface of mouse cells of the H-2b haplotype by virus-specific cytotoxic T lymphocytes. Jennings SR, et al. **J Immunol** 1984 Jan;132(1):475–81

Uterine gland epithelium in human pregnancy often lacks detectable maternal MHC antigens but does express fetal trophoblast antigens. Johnson PM, et al. **J Immunol** 1984 Apr;132(4):1608–10

Monoclonal antibodies reactive with swine lymphocytes. I. Antibodies to membrane structures that define the cytolytic T lymphocyte subset in the swine. Jonjić S, et al. **J Immunol** 1984 Aug;133(2):647–52

Differential expression of cell activation markers after stimulation of resting human B lymphocytes. Kehrl JH, et al. **J Immunol** 1984 Jun;132(6):2857–61

Monoclonal anti-human monocyte antibodies OKM1 and OKM5 possess distinctive tissue distributions including differential reactivity with vascular endothelium. Knowles DM 2d, et al. **J Immunol** 1984 May;132(5):2170–3

LFA-1, LFA-2, and LFA-3 antigens are involved in CTL-target conjugation. Krensky AM, et al. **J Immunol** 1984 May;132(5):2180–2

Effects of monoclonal antibodies directed against murine T lymphocyte cell surface antigens on lymphokine production by cloned T lymphocytes reactive with class I MHC or Mls alloantigens. Lancki DW, et al. **J Immunol** 1984 Oct;133(4):2051–7

Differential effect of cyclosporin A on the expression of T and B lymphocyte activation antigens. Lillehoj HS, et al. **J Immunol** 1984 Jul;133(1):244–50

Cell surface antigens expressed by subsets of pre-B cells and B cells. McKearn JP, et al. **J Immunol** 1984 Jan; 132(1):332–9

Reactivity of antisera to endogenous primate retrovirus with a human T cell membrane protein: recognition of a nonviral glycoprotein by antibodies directed only against carbohydrate components. Markenson JA, et al. **J Immunol** 1984 Feb;132(2):772–9

Monoclonal antibodies to a 140,000-m.w. protein on Plasmodium knowlesi merozoites inhibit their invasion of rhesus erythrocytes. Miller LH, et al. **J Immunol** 1984 Jan; 132(1):438–42

Generation and characterization of monoclonal antibodies reactive with human B lymphocytes. Mittler RS, et al. **J Immunol** 1983 Oct;131(4):1754–61

Blockade of NK cell lysis is a property of monoclonal antibodies that bind to distinct regions of T-200. Newman W, et al. **J Immunol** 1983 Oct;131(4):1742–7

Effects of natural and recombinant IL 2 on regulation of IFN gamma production and natural killer activity: lack of involvement of the Tac antigen for these immunoregulatory effects. Ortaldo JR, et al. **J Immunol** 1984 Aug;133(2):779–83

The T4 surface antigen is involved in the induction of helper function. Rogozinski L, et al. **J Immunol** 1984 Feb; 132(2):735–9

Use of monoclonal antibodies against factor H to investigate the role of a membrane-associated protein antigenically related to H in C3b-receptor function. Schulz TF, et al. **J Immunol** 1984 Jan;132(1):392–8

OKT4+ cytotoxic T cells can lyse targets via class I molecules and can be blocked by monoclonal antibody against T4 molecules. Strassman G, et al. **J Immunol** 1984 Oct;133(4):1705–9

Identification of a glycoprotein, gp21, of adult T cell leukemia virus by monoclonal antibody. Sugamura K, et al. **J Immunol** 1984 Jun;132(6):3180–4

Monoclonal antibody to L3T4 blocks the function of T cells specific for class 2 major histocompatibility complex antigens. Swain SL, et al. **J Immunol** 1984 Mar; 132(3):1118–23

A novel differentiation antigen on proliferating murine thymocytes identified by a rat monoclonal antibody. Takei F. **J Immunol** 1984 Feb;132(2):766–71

Biologic functions of the OKT1 T cell surface antigen. I. The T1 molecule is involved in helper function. Thomas Y, et al. **J Immunol** 1984 Aug;133(2):724–8

Rapidly expanded activated human killer cell clones have strong antitumor cell activity and have the surface phenotype of either T gamma, T-non-gamma, or null cells. van de Griend RJ, et al. **J Immunol** 1984 Jun;132(6):3185–91

Preparation and characterization of monoclonal antibodies recognizing three distinct differentiation antigens (BL1, BL2, BL3) on human B lymphocytes. Wang CY, et al. **J Immunol** 1984 Aug;133(2):684–91

The role of T3 surface molecules in the activation of human T cells: a two-stimulus requirement for IL 2 production reflects events occurring at a pre-translational level. Weiss A, et al. **J Immunol** 1984 Jul;133(1):123–8

Dual parameter flow cytometric analysis of DNA content, activation antigen expression, and T cell subset proliferation in the human mixed lymphocyte reaction. Williams JM, et al. **J Immunol** 1984 May;132(5):2330–7

The proliferating cells in autoimmune MRL/lpr mice lack L3T4, an antigen on 'helper' T cells that is involved in the response to class II major histocompatibility antigens. Wofsy D, et al. **J Immunol** 1984 Jun;132(6):2686–9

Production and characterization of monoclonal antibodies to guinea pig lymphoid differentiation antigens. Chiba J, et al. **J Immunol Methods** 1983 Oct 14;63(2):247–61

Detection of monoclonal antibodies against cell surface antigens: the use of antiglobulins coupled to red blood cells. Clark MR, et al. **J Immunol Methods** 1984 Jan 20;66(1):81–7

A highly sensitive method for the detection of cell surface antigens on preimplantation mouse embryos. Goldbard SB, et al. **J Immunol Methods** 1984 Mar 30;68(1-2):137–46

Measurement of cell numbers by means of the endogenous enzyme hexosaminidase. Applications to detection of lymphokines and cell surface antigens. Landegren U. **J Immunol Methods** 1984 Mar 16;67(2):379–88

A rapid, automated colorimetric assay for measuring antibody binding to cell surface antigens. O'Neill HC, et al. **J Immunol Methods** 1983 Nov 25;64(3):257–68

Use of antibody-coated polyacrylic plastic beads for semiquantitative determination of cell surface antigens. Pachmann K, et al. **J Immunol Methods** 1983 Nov 25; 64(3):383–8

A monoclonal antibody directed against an organ-specific liver cell membrane antigen in rabbits. Poralla T, et al. **J Immunol Methods** 1984 Mar 30;68(1-2):341–8

Human antibody response to Schistosoma mansoni surface antigens defined by protective monoclonal antibodies. Dissous C, et al. **J Infect Dis** 1984 Feb;149(2):227–33

Analysis of T regulator cell surface markers and functional properties in multiple sclerosis. Antel JP, et al. **J Neuroimmunol** 1984 Apr;6(2):93–103

Myasthenia gravis. Antibodies to skeletal muscle cell surface antigens. Gilhus NE, et al. **J Neuroimmunol** 1983 Dec; 5(3):239–49

Leukocyte surface antigens in patients with multiple sclerosis. Mingioli ES, et al. **J Neuroimmunol** 1984 Apr;6(2):131–9

Monoclonal antibodies recognising cell surface molecules expressed by rat cerebellar interneurons. Webb M, et al. **J Neuroimmunol** 1984 Jul;6(4):283–300

Antigens of Trypanosoma cruzi: evidence that the 90-kd protective glycoprotein antigen is expressed in blood-form trypomastigotes and may not be functional in dead epimastigotes. Araujo FG, et al. **J Parasitol** 1984 Feb; 70(1):185–7

Immunocytochemical localization of molluscan host-like antigenic determinants on the surfaces of adult Schistosoma mansoni. Devine DV, et al. **J Parasitol** 1984 Feb; 70(1):172–4

Antigenic similarity between the coccidian parasites Toxoplasma gondii and Hammondia hammondi. Araujo FG, et al. **J Protozool** 1984 Feb;31(1):145–7

Antigenic variation during the developmental cycle of Trypanosoma brucei. Hajduk SL. **J Protozool** 1984 Feb; 31(1):41–7 (46 ref.)

The ecology of antigenic variation. Seed JR, et al. **J Protozool** 1984 Feb;31(1):48–53

Immunological tolerance in vitro: a review. Lamb JR, et al. **J R Soc Med** 1984 Feb;77(2):135–6

A monoclonal antibody to an antigen present on the microvillous membrane of the trophectoderm of the preimplantation blastocyst of the pig. Whyte A, et al. **J Reprod Fertil** 1984 Jul;71(2):599–605

Immunochemical identification of human trophoblast membrane antigens using monoclonal antibodies. Brown PJ, et al. **J Reprod Immunol** 1983 Nov;5(6):351–61

The effects of syngeneic soluble tumor membrane extract on concomitant spleen cell immunity and spontaneous metastases. Temple WJ, et al. **J Surg Res** 1984 Jan; 36(1):71–9

A concept of immune regulation of somatic cell differentiation. Nesterenko VG. **J Theor Biol** 1984 Apr 7; 107(3):443–56

Enzyme immunoassay for antibodies to membrane associated antigen of varicella zoster virus. Cox JC, et al. **J Virol Methods** 1984 Feb;8(1-2):137–45

Independent expression of common and private tumor-specific cell surface antigens in somatic cell hybrids between Rous sarcoma virus-transformed and normal cells. Kuzumaki N, et al. **JNCI** 1984 Feb;72(2):387–93

Species cross-reactive membrane-associated urothelial differentiation antigen. Trejdosiewicz LK, et al. **JNCI** 1984 Feb;72(2):355–66

Absence of monoclonal-antibody-defined protein complex in boy with abnormal leucocyte function. Beatty PG, et al. **Lancet** 1984 Mar 10;1(8376):535–7

Production and preliminary characterization of monoclonal antibodies to human liver-specific lipoprotein (LSP). Lambert KJ, et al. **Liver** 1984 Apr;4(2):122–7

Augmentation of mouse natural killer cell activity by Lactobacillus casei and its surface antigens. Kato I, et al. **Microbiol Immunol** 1984;28(2):209–17

Two distinct cytotoxic T lymphocyte subpopulations in patients with Vogt-Koyanagi-Harada disease that recognize human melanoma cells. Maezawa N, et al. **Microbiol Immunol** 1984;28(2):219–31

Processing, polymorphism, and biological significance of P190, a major surface antigen of the erythrocytic forms of Plasmodium falciparum. Hall R, et al.

Mol Biochem Parasitol 1984 Apr;11:61–80

Strains and clones of Trypanosoma cruzi differ in their expression of a surface antigen identified by a monoclonal antibody. Kirchhoff LV, et al. **Mol Biochem Parasitol** 1984 Apr;11:81–9

Antigenic and dynamic properties of helminth surface structures. Philipp M, et al. **Mol Biochem Parasitol** 1984 Mar;10(3):245–68 (127 ref.)

Characterization of a monoclonal antibody defining a macrophage activation-specific cell surface antigen. Fox BA, et al. **Mol Immunol** 1984 Jul;21(7):681–4

Hematopoietic subpopulations express cross-reactive, lineage-specific molecules detected by monoclonal antibody. Symington FW, et al. **Mol Immunol** 1984 Jun; 21(6):507–14

Therapeutic potential of monovalent monoclonal antibodies. Cobbold SP, et al. **Nature** 1984 Mar 29–Apr 4; 308(5958):460–2

All metacyclic variable antigen types of Trypanosoma congolense identified using monoclonal antibodies. Crowe JS, et al. **Nature** 1983 Nov 24–30;306(5941):389–91

Efficiency of antigen presentation differs in mice differing at the Mls locus. Janeway CA Jr, et al. **Nature** 1983 Nov 3–9;306(5938):80–2

Serum beta 2-microglobulin binds to a T-cell differentiation antigen and increases its expression. Kefford RF, et al. **Nature** 1984 Apr 12–18;308(5960):641–2

Neural cell adhesion molecules and myelin-associated glycoprotein share a common carbohydrate moiety recognized by monoclonal antibodies L2 and HNK-1. Kruse J, et al. **Nature** 1984 Sep 13–19;311(5982):153–5

Association of human T-cell leukaemia/lymphoma virus with the Tac antigen marker for the human T-cell growth factor receptor. Lando Z, et al. **Nature** 1983 Oct 20–26; 305(5936):733–6

Fetal antigens in the precursor stages of gastric cancer. Higgins PJ, et al. **Oncology** 1984;41(2):73–6

Protection against Trichinella spiralis induced by a monoclonal antibody that promotes killing of newborn larvae by granulocytes. Ortega-Pierres G, et al. **Parasite Immunol** 1984 May;6(3):275–84

Cross-reactive surface antigens on three stages of Brugia malayi, B. pahangi and B. timori. Maizels RM, et al. **Parasitology** 1983 Oct;87 (Pt 2):249–63

Monoclonal antibodies against antigens of the human platelet surface: preparation and properties. Zola H, et al. **Pathology** 1984 Jan;16(1):73–8

A monoclonal anti-DNA antibody also binds to cell-surface protein(s). Jacob L, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(12):3843–5

Identification and characterization of a monoclonal antibody to an antigen expressed on activated macrophages. Koestler TP, et al. **Proc Natl Acad Sci USA** 1984 Jul;81(14):4505–9

Advances in immunobiology: blood cell antigens and bone marrow transplantation. Proceedings of the XVth Annual Scientific Symposium of the American Red Cross, Washington, D.C., May 4–6, 1983. **Prog Clin Biol Res** 1984; 149:1–435

Platelet antigens. Kunicki TJ. **Prog Clin Biol Res** 1983; 133:31–46 (63 ref.)

Expression of T cell associated surface antigens on lymphocytes of persons of advanced age. O'Leary JJ, et al. **Prog Clin Biol Res** 1983;133:89–93

A monoclonal antibody reactive with surface antigen specifically expressed by alloantigen-activated human T lymphocytes. Singal DP, et al. **Prog Clin Biol Res** 1983; 133:47–51

Monocyte and endothelial antigens. Stastny P, et al. **Prog Clin Biol Res** 1983;133:15–22

Human lymphocytes-macrophages interaction: a good prognostic sign in malignant lymphoma. Shohat B, et al. **Rev Esp Oncol** 1981;28(3):441–7

Study of activated T cells in man. I. Discrepancy between Tac antigen and DR Antigen on T cells in patients with primary immunodeficiency. Gupta S. **Scand J Immunol** 1984 May;19(5):465–8

On the heterologous interaction between beta 2-microglobulin and the heavy chain of rat major histocompatibility complex class 1 antigens. Lögdberg L, et al. **Scand J Immunol** 1984 Jul;20(1):61–8

Recognition of Staphylococcus aureus by human phagocytes. Signals and disguises of the bacterial surface. Peterson PK, et al. **Scand J Infect Dis [Suppl]** 1983;41:67–78

Monoclonal antibody to Thy-1 enhances regeneration of processes by rat retinal ganglion cells in culture. Leifer D, et al. **Science** 1984 Apr 20;224(4646):303–6

Human trophoblast-lymphocyte cross-reactive (TLX) antigens define a new alloantigen system. McIntyre JA, et al. **Science** 1983 Dec 9;222(4628):1135–7

Characterization of cell surface antigens of human mammary epithelial cells with monoclonal antibodies prepared against human milk fat globule. Ceriani RL, et al. **Somatic Cell Genet** 1983 Jul;9(4):415–27

Further studies on a hybrid cell-surface antigen associated with human chromosome 11 using a monoclonal antibody. Jones C, et al. **Somatic Cell Genet** 1983 Jul;9(4):489–96

Human lymphocyte function-associated antigens. Krensky AM, et al. **Surv Immunol Res** 1984;3(1):39–44

Phenotypic and genotypic differences between high- and low-metastatic related tumor lines and the problem of tumor progression and variant generation. Schirrmacher V, et al. **Symp Fundam Cancer Res** 1983;36:81–99

Surface localization of wheat germ agglutinin and concanavalin A binding sites on normal human blood cells: an ultrastructural histochemical study. Zinsmeister VA, et al. **Tissue Cell** 1983;15(5):673–81

Erythrocyte antigens on human platelets. Absence of Rh, Duffy, Kell, Kidd, and Lutheran antigens. Dunstan RA, et al. **Transfusion** 1984 May-Jun;24(3):243–6

Mononuclear cell-surface antigens during storage of banked blood. Dzik WH, et al. **Transplantation** 1984 Jul;38(1):67–71

Cyclosporine does not prevent in vivo expression of T cell activation antigens following allogeneic bone marrow transplantation. Forman SJ, et al. **Transplantation** 1984 Feb; 37(2):219–20

Potent ability of anti-LFA-1 monoclonal antibody to prolong allograft survival. Heagy W, et al. **Transplantation** 1984 May;37(5):520–3

Cellular enzyme-linked immunospecific assay (CELISA). III. Use of the CELISA to quantitate monoclonal antibodies bound to HLA antigens and to subset-specific antigens on cell surfaces. Morris RE. **Transplantation** 1983 Dec; 36(6):719–25

The loss of Ia+ Langerhans' cells during graft-versus-host disease in rats. Suitters AJ, et al. **Transplantation** 1983 Nov; 36(5):540–6

K99 surface haemagglutinin of enterotoxigenic E. coli recognize terminal N-acetylgalactosamine and sialic acid residues of glycophorin and other complex glycoconjugates. Lindahl M, et al. **Vet Microbiol** 1984 Jul; 9(3):249–57

Monoclonal antibodies to Mycoplasma hyorhinis surface antigens: tools for analyzing mycoplasma-lymphoid cell interactions. Wise KS, et al. **Yale J Biol Med** 1983 Sep-Dec;56(5-6):623–9

Trypanosoma cruzi: surface antigenic determinants. Tamashiro WM, et al. **Z Parasitenkd** 1983;69(4):425–34

A monoclonal antibody raised against adult Schistosoma mansoni which recognizes a surface antigen on schistosomula. Tavares CA, et al. **Z Parasitenkd** 1984; 70(2):189–97

[Cellular sensitization to fetal antigens during chemical carcinogenesis] Pasternak G, et al. **Biomed Biochim Acta** 1983;42(6):777–84 (Eng. Abstr.) **(Ger)**

[Human lymphocyte surface antigens. Part 2. Production and characterization of heteroantiserum against a B-cell acute lymphoblastic leukemia cell line] Yoshimoto S. **Nippon Ketsueki Gakkai Zasshi** 1984 May;47(3):737–43 (Eng. Abstr.) **(Jpn)**

[Detection of the circulating antibody against human islet cell membrane using isolated rat islet cells (1). Separation of the antigenic cells and fractionation of serum IgG] Maruyama S, et al. **Rinsho Byori** 1983 Sep;31(9):1006–11 **(Jpn)**

[Studies on immune response of human lung cancer by cell surface antigen] Shimada K, et al. **Rinsho Kyobu Geka** 1984 Jan;4(1):53–60 (23 ref.) (Eng. Abstr.) **(Jpn)**

[Effect of Fab-fragments of antibodies against spleen cell surface antigens on the development of antibody formation in cultures of different densities] Korukova AA, et al. **Biull Eksp Biol Med** 1984 Mar;97(3):315–7 (Eng. Abstr.) **(Rus)**

[Monoclonal antibodies to the surface antigens of long-term cultivated smooth-muscle vascular cells] Printseva OIu, et al. **Dokl Akad Nauk SSSR** 1983;273(5):1268–70 **(Rus)**

[Behavior of serum CA 125 in hepatopathy patients (letter)] Ruibal A, et al. **Med Clin (Barc)** 1984 Mar 31;82(12):560 **(Spa)**

[Deficiency of erythrocyte antigens as a cause of pathology. I. Antigenicity of the erythrocyte membrane] Poderós Baeta C, et al. **Rev Clin Esp** 1983 Oct 15;171(1):1–5 **(Spa)**

ISOLATION & PURIFICATION

Application of monoclonal antibodies to the characterization of cells eluted from human articular cartilage. Expression of Ia antigens in certain diseases and identification of an 85-kD cell surface molecule accumulated in the pericellular matrix. Burmester GR, et al. **Arthritis Rheum** 1983 Oct; 26(10):1187–95

Isolation and characterization of nephritogenic antigen from bovine glomerular basement membrane. Sado Y, et al. **Biochim Biophys Acta** 1984 Mar 22;798(1):96–102

Enhanced expression of surface tumor-associated antigens on human breast and colon tumor cells after recombinant human leukocyte alpha-interferon treatment. Greiner JW, et al. **Cancer Res** 1984 Aug;44(8):3208–14

Stage-specific embryonic antigens (SSEA-3 and -4) are epitopes of a unique globo-series ganglioside isolated from human teratocarcinoma cells. Kannagi R, et al. **EMBO J** 1983;2(12):2355–61

Structure of the capsular antigen of Neisseria meningitidis serogroup H. van der Kaaden A, et al. **Eur J Biochem** 1984 Jun 15;141(3):513–9

Purification and characterization of an antigen involved in neutrophil chemotaxis and degranulation using a monoclonal antibody. Cotter TG, et al. **Eur J Immunol** 1984 Jul;14(7):605–9

A 55,000 Mr surface antigen on activated human T lymphocytes defined by a monoclonal antibody. Hemler ME, et al. **Hum Immunol** 1983 Oct;8(2):153–65

Identification of surface antigens of endothelial cells. Darnule AT, et al. **Immunol Commun** 1983;12(4):351–62

Malaria vaccine antigen(s): detergent solubilization, partial isolation, and recovery of immunoprotective activity. D'Antonio LE, et al. **Infect Immun** 1984 Jan;43(1):442–4

Isolation of protective antigens from Trypanosoma lewisi by using trypanostatic (ablastic) immunoglobulin G from the surface coat. Giannini SH, et al. **Infect Immun** 1984 Feb; 43(2):617–21

Purification and immunochemical characterization of Streptococcus sanguis ATCC 10557 serotype II carbohydrate antigen. Koga T, et al. **Infect Immun** 1983 Nov;42(2):696–700

The detergent solubility properties of a malarial (Plasmodium knowlesi) variant antigen expressed on the surface of infected erythrocytes. Howard RJ, et al. **J Cell Biochem** 1984;24(3):297–306

The three major antigens on the surface of Plasmodium falciparum merozoites are derived from a single high molecular weight precursor. Holder AA, et al. **J Exp Med** 1984 Aug 1;160(2):624–9

Identification of the membrane receptor for the complement fragment C3d by means of a monoclonal antibody. Iida K, et al. **J Exp Med** 1983 Oct 1;158(4):1021–33

A new differentiation antigen (FT-1) shared with fetal thymocytes and leukemic cells in the mouse. Kasai M, et al. **J Exp Med** 1984 Apr 1;159(4):971–80

Purification and characterization of Rana pipiens brain Thy-1 glycoprotein. Mansour MH, et al. **J Immunol** 1984 May; 132(5):2515–23

Purification and N-terminal amino acid sequence of the human T cell surface antigen T8. Snow PM, et al. **J Immunol** 1984 Oct;133(4):2058–66

Isolation and characterization of a human T lymphocyte-associated glycoprotein (gp40). Sutherland DR, et al. **J Immunol** 1984 Jul;133(1):327–33

Characterization of human interleukin 2 receptor (Tac antigen) in normal and leukemic T cells: co-expression of normal and aberrant receptors on Hut-102 cells. Wano Y, et al. **J Immunol** 1984 Jun;132(6):3005–10

Purification of a major sialoglycoprotein (SGP140) on P12/Ichikawa cells and its expression on differentiated HL-60 cells. Yamamoto Y, et al. **J Immunol** 1984 Jan; 132(1):340–6

Differential extraction of tumor-specific transplantation antigen and embryonic antigen from simian virus 40- and adenovirus 7-induced sarcoma cells of hamsters with 1-butanol and 3 M potassium chloride. Coggin JH Jr, et al. **JNCI** 1984 Apr;72(4):853–62

Thy-1.1 in glomeruli of rat kidneys. Paul LC, et al. **Kidney Int** 1984 May;25(5):771–7

Growth and differentiation factors for B cells from human T cell clones. Okada M, et al. **Lymphokine Res** 1983; 2(4):113–8

Characterization of surface and excretory-secretory antigens of Toxocara canis infective larvae. Maizels RM, et al. **Parasite Immunol** 1984 Jan;6(1):23–37

Surface proteins of a filarial nematode: a major soluble antigen and a host component on the cuticle of Litomosoides carinii. Philipp M, et al. **Parasite Immunol** 1984 Jan;6(1):63–82

Isolation of the specific glomerular basement membrane antigen involved in Goodpasture syndrome. Wieslander J, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(5):1544–8

Selective release of surface antigens from cultured human melanoma cells following 1-butanol treatment. Liao SK, et al. **Prog Clin Biol Res** 1983;133:203–7

Isolation of Kell-active protein from the red cell membrane. Redman CM, et al. **Transfusion** 1984 Mar-Apr;24(2):176–8

An update of the isolation and characterization of culture-derived soluble antigens of Babesia bovis. James MA. **Vet Parasitol** 1984 Jun;14(3-4):231–7 (19 ref.)

[Purification and immunochemical characteristics of a specific membrane protein from human brain] Berezin VA, et al. **Biokhimiia** 1983 Aug;48(8):1329–36 (Eng. Abstr.) **(Rus)**

[Surface antigen structure of Neisseria meningitidis. I. The isolation of a serotypic antigenic complex of N. meningitidis strain B16B6 by direct detergent treatment and its immunochemical characteristics] Gorshkova VI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Aug;(8):41–5 (Eng. Abstr.) **(Rus)**

METABOLISM

Effect of denervation on a cholinergic-specific ganglioside antigen (Chol-1) present in Torpedo electromotor presynaptic plasma membranes. Ferretti P, et al. **J Neurochem** 1984 Apr;42(4):1085–93

The distribution of Thy-1 antigen in the P.N.S. of the adult rat. Morris RJ, et al. **J Neurocytol** 1983 Dec;12(6):1017–39

Recovery of intestinal membrane binding sites for K88 E. coli from pig mucosal organ cultures. Wilson IB, et al. **Mol Cell Biochem** 1984 Apr;62(1):57–65

Sulfation and phosphorylation of the neural cell adhesion molecule, N-CAM. Sorkin BC, et al. **Science** 1984 Sep 28; 225(4669):1476–8

K 88-mediated adhesion of E. coli inhibited by fractions in sow milk. Atroshi F, et al. **Zentralbl Veterinarmed [B]** 1983 Jul;30(6):425–33

PHYSIOLOGY

Comparison of two cell surface molecules involved in neural cell adhesion. Rathjen FG, et al. **EMBO J** 1984 Feb;

3(2):461–5
Basement membrane components in healing rabbit corneal epithelial wounds: immunofluorescence and ultrastructural studies. Fujikawa LS, et al. **J Cell Biol** 1984 Jan; 98(1):128–38
Developmental biology of a neural cell adhesion molecule. Rutishauser U. **Nature** 1984 Aug 16–22;310(5978):549–54 (64 ref.)
Role of cell adhesion molecules in promoting migration of normal and malignant cells. Furcht LT. **Prog Clin Biol Res** 1984;149:15–53 (187 ref.)
Study of several factors affecting the agglutinating activity of K99–positive Escherichia coli strains. Ferreirós CM, et al. **Rev Esp Fisiol** 1983 Dec;39(4):357–62

RADIATION EFFECTS

[Functional and structural changes in the surface of human erythrocytes after irradiation with UV rays of various wave lengths. I. The expression of ABO and rhesus system antigens] Samollova KA, et al. **Tsitologiia** 1983 Dec; 25(12):1378–86 (Eng. Abstr.) **(Rus)**

TOXICITY

Coli surface antigens 1 and 3 of colonization factor antigen II–positive enterotoxigenic Escherichia coli: morphology, purification, and immune responses in humans. Levine MM, et al. **Infect Immun** 1984 May;44(2):409–20

ANTIGENS, T-INDEPENDENT

ANALYSIS

Photobleaching recovery studies of T–independent antigen mobility on antibody–bearing liposomes. Peacock JS, et al. **J Immunol** 1983 Dec;131(6):2924–9

CLASSIFICATION

A reappraisal of 'T–independent' antigens. II. Studies on single, hapten–specific B cells from neonatal CBA/H or CBA/N mice fail to support classification into TI–1 and TI–2 categories. Nossal GJ, et al. **J Immunol** 1984 Apr; 132(4):1696–701

IMMUNOLOGY

A new approach to immunological memory using thymus–independent antigens. Truffa–Bachi P, et al. **Ann Immunol (Paris)** 1983 Jul–Aug;134D(1):47–53
Human thymus–independent antibody response in vitro: III. Precursor frequencies and fine specificity of human B cells stimulated by TNP–Ba in the presence and absence of Con A. Golding B, et al. **Cell Immunol** 1984 May;85(2):309–17
Thymus–dependent immune functions in chickens bursectomized with colchicine applied to the anal lips. Romppanen T, et al. **Dev Comp Immunol** 1983 Summer; 7(3):525–34
Modulation by zinc of the in vitro antibody response to T–dependent and T–independent antigens. Malavé I, et al. **Immunol Commun** 1983;12(4):397–406
Studies on B–cell memory. III. T–dependent aspect of B memory generation in mice immunized with T–independent type–2(TI–2) antigen. Hosokawa T, et al. **Immunology** 1984 Sep;53(1):97–104
Seminal plasma inhibits lymphocyte response to T–dependent and –independent antigens in vitro. Thomas IK, et al. **Immunology** 1984 Aug;52(4):721–6
Mechanism of lipopolysaccharide–induced immunosuppression: immunological activity of B cell subsets responding to T–dependent or T–independent antigens in lipopolysaccharide–preinjected mice. Uchiyama T, et al. **Infect Immun** 1984 Aug;45(2):367–71
Effects of a crystalline silica on antibody production to T–dependent and T–independent antigens in Balb/c mice. Mancino D, et al. **Int Arch Allergy Appl Immunol** 1984; 73(1):10–3
Modification of thymo–dependent and thymo–independent antibody responses during non–specific acute inflammation. Florentin I, et al. **Int J Immunopharmacol** 1984;6(2):93–8
Differential effects of nordihydroguaiaretic acid (NDGA) on B–cell subsets: reversal of NDGA–induced antibody suppression by cyclic GMP is subset specific. Wess JA, et al. **Int J Immunopharmacol** 1984;6(1):27–34
Studies on the immunogenicity and tolerogenicity of T–independent antigens. Dintzis RZ, et al. **J Immunol** 1983 Nov;131(5):2196–203
Lymphokine–mediated activation of a T cell–dependent IgA antipolysaccharide response. Kagnoff MF, et al. **J Immunol** 1983 Nov;131(5):2210–4
sIgD–negative B cells from neonatal mice do not respond to the thymus–independent antigen TNP–BA in limiting dilution cultures. McFadden SF, et al. **J Immunol** 1984 Apr;132(4):1717–21
Anti–immunoglobulin antibodies. V. Age–dependent variation of clones stimulated by polysaccharide TI–2 antigens in 129 and MRL mice spontaneously producing anti–gamma–globulin antibodies. Manheimer AJ, et al. **J Immunol** 1984 Aug;133(2):562–8
B cell activation. II. Receptor cross–linking by thymus–independent and thymus–dependent antigens induces a rapid decrease in the plasma membrane potential of antigen–binding B lymphocytes. Monroe JG, et al. **J Immunol** 1983 Dec;131(6):2641–4
A reappraisal of 'T–independent' antigens. I. Effect of lymphokines on the response of single adult hapten–specific B lymphocytes. Pike BL, et al. **J Immunol** 1984 Apr; 132(4):1687–95
Effects of deoxycoformycin in mice. I. Suppression and enhancement of in vivo antibody responses to thymus–dependent and –independent antigens. Ratech H, et al. **J Immunol** 1984 Jun;132(6):3071–6
Lyt–2– T cell–independent functions of Lyt–2+ cells stimulated with antigen or concanavalin A. von Boehmer H, et al. **J Immunol** 1984 Jul;133(1):59–64
Influence of RU 41.740, a glycoprotein extract from Klebsiella pneumoniae, on the murine immune system. I. T–independent polyclonal B cell activation. Wood CD, et al. **J Immunol** 1984 Feb;132(2):616–21
[Effect of vibration on the immune response induced by thymus–dependent and thymus–independent antigens] Iudina LE, et al. **Gig Tr Prof Zabol** 1983 Jul;(7):44–5 **(Rus)**

ANTIGENS, VIRAL

Skin test with varicella–zoster virus antigen for ophthalmic herpes zoster. Tanaka Y, et al. **Am J Ophthalmol** 1984 Jul 15;98(1):7–10
Application of the PAP (peroxidase–anti–peroxidase) staining technique for the rapid titration of mumps virus infectivity. Yasuda Y, et al. **Biken J** 1983 Jun;26(2):93–7
Antigenicity and immunogenicity of poliovirus capsid proteins. van Wezel AL, et al. **Dev Biol Stand** 1983; 55:209–15
Antibodies against a preselected peptide recognize and neutralize foot and mouth disease virus. Pfaff E, et al. **EMBO J** 1982;1(7):869–74
A study of measles virus antigens in acutely and persistently infected cells using monoclonal antibodies: differences in the accumulation of certain viral proteins. Giraudon P, et al. **Intervirology** 1984;21(2):110–20
Modulation by the polyoxotungstate HPA–23 of Epstein–Barr virus early antigen expression in Raji cells treated with iododeoxyuridine. Souyri–Caporale M, et al. **J Gen Virol** 1984 Apr;65 (Pt 4):831–5
Hepatitis A–virus in cell culture. IV. Comparison of cell–culture–produced HAV with stool–derived HAV in diagnostic test systems. Flehmig B, et al. **Med Microbiol Immunol (Berl)** 1984;172(4):207–13
Immunodiffusion test antigen from bluetongue virus–infected newborn mouse brains. Grimes JE, et al. **Vet Microbiol** 1983 Aug;8(4):363–72
The evaluation of a lectin–agarose based subunit vaccine and complementary diagnostic antigen for Aujeszky's disease (pseudorabies) in the pig. Platt KB. **Vet Microbiol** 1984 Feb;9(1):35–51
[Synthesis of the surface antigen of the hepatitis B virus in Escherichia coli] Pumpen PP, et al. **Dokl Akad Nauk SSSR** 1983 Jul–Aug;271(1):230–4 **(Rus)**

ADMINISTRATION & DOSAGE

Appearance of antibody–producing cells in the peripheral blood in response to immunization with a specific antigen. Ochs HD, et al. **Birth Defects** 1983;19(3):47–50
Immune responses of DBA/2 mice bearing melanoma tumors: cell–mediated immune responses after challenge with vaccinia virus. Byrne JA, et al. **Cancer Immunol Immunother** 1983;16(2):81–7
Generation of memory cell–mediated immune responses after secondary infection of mice with pichinde virus. Walker CM, et al. **J Immunol** 1984 Jan;132(1):469–74
Virus–specific cytolytic cells. Their in vivo function. Finberg R, et al. **Surv Immunol Res** 1982;1(3):248–54 (21 ref.)

ANALYSIS

Effect of adenovirus infection on human peripheral lymphocytes. Horváth J, et al. **Acta Microbiol Hung** 1983; 30(3–4):203–9
Virological studies of malignant tumours of the urogenital system. Kulcsár G, et al. **Acta Microbiol Hung** 1983; 30(3–4):199–202
HSV 2–associated antigens in human cervical tissues before and after grafting in nude mice. Christenson B, et al. **Acta Obstet Gynecol Scand** 1983;62(5):461–6
Indirect solid–phase immunosorbent assay for detection of arenavirus antigens and antibodies. Ivanov AP, et al. **Acta Virol (Praha)** 1984 May;28(3):240–5
Induction of Epstein–Barr virus antigens and DNA–polymerase activities in P3HR–1 cell line and its subline passaged in the presence of phosphonoformate. Prachová K, et al. **Acta Virol (Praha)** 1983 Jul;27(4):329–36
Studies on the specificity of human antibodies reacting with GP70 and P15 antigens of baboon endogenous (BaEV) and gibbon ape leukaemia (GaLV) viruses. Tóth FD, et al. **Acta Virol (Praha)** 1984 May;28(3):191–7
Monoclonal antibodies to the three classes of mouse hepatitis virus strain A59 proteins. Koolen MJ, et al. **Adv Exp Med Biol** 1984;173:115–6
Use of monoclonal antibodies to assess antigenic relationships of avian infectious bronchitis virus serotypes in the United States. Snyder DB, et al. **Adv Exp Med Biol** 1984; 173:109–13
Antigenic and polypeptide structure of bovine enteric coronavirus as defined by monoclonal antibodies. Vautherot JF, et al. **Adv Exp Med Biol** 1984;173:117–32
Analysis of transformation with Epstein–Barr virus and phenotypic characteristics of lymphoblastoid cell lines established from patients with hairy cell leukemia. Sairenji T, et al. **Am J Hematol** 1983 Dec;15(4):361–74
Intracisternal Type A particles in murine pancreatic B cells. Immunocytochemical demonstration of increased antigen (p73) in genetically diabetic mice. Leiter EH, et al. **Am J Pathol** 1984 Jan;114(1):46–55
Early and late pathologic changes in the adrenal glands of mice after infection with herpes simplex virus type 1. Nachtigal M, et al. **Am J Pathol** 1984 May;115(2):175–85
Detection of equine herpesvirus–1 antigen and the specific antibody by enzyme–linked immunosorbent assay. Dutta SK, et al. **Am J Vet Res** 1983 Oct;44(10):1930–4
Detection of equine infectious anemia virus in horse leukocyte cultures derived from horses in various stages of equine infectious anemia viral infection. Evans KS, et al. **Am J Vet Res** 1984 Jan;45(1):20–5
Detection of a herpes simplex viral antigen in skin lesions of erythema multiforme. Orton PW, et al. **Ann Intern Med** 1984 Jul;101(1):48–50
Measles encephalomyelitis: lack of evidence of viral invasion of the central nervous system and quantitative study of the nature of demyelination. Gendelman HE, et al. **Ann Neurol** 1984 Apr;15(4):353–60
Immunohistological demonstration of serum proteins and structural and viral antigens in paraffin sections of nervous tissues. Budka H. **Ann NY Acad Sci** 1983;420:176–84
Detection of viral antigens in formalin–fixed specimens by enzyme treatment. Kurata T, et al. **Ann NY Acad Sci** 1983; 420:192–207
Immunofluorescence in diagnostic virology. McIntosh K. **Ann NY Acad Sci** 1983;420:376–80
Identification of rabies antigen in human and animal tissues. Swoveland PT, et al. **Ann NY Acad Sci** 1983;420:185–91
Enzyme immunoassays for the diagnosis of viral infections. Yolken RH, et al. **Ann NY Acad Sci** 1983;420:381–90
Utilization of monoclonal antibodies for antigenic characterization of coronaviruses. Vautherot JF, et al. **Ann Rech Vet** 1983;14(4):437–44
Papillomavirus common antigens. Papillomavirus antigen in verruca, benign papillomatous lesions, trichilemmoma, and bowenoid papulosis: an immunoperoxidase study. Penneys NS, et al. **Arch Dermatol** 1984 Jul;120(7):859–61
Comparative investigation of epidermal markers on cells freshly isolated from from normal and wart epidermis. Chardonnet Y, et al. **Arch Dermatol Res** 1984;276(4):246–9
A search for cytomegalovirus and herpes viral antigen in brains of schizophrenic patients. Stevens JR, et al. **Arch Gen Psychiatry** 1984 Aug;41(8):795–801
Demyelinating disease: association with Epstein–Barr virus [letter] Richardson JR. **Arch Neurol** 1984 Jan;41(1):14–5
The capsid antigen of Epstein–Barr virus in nasopharyngeal carcinomas: comparison of serum antibody titre, cellular antigen content and histopathology. Falser N. **Arch Otorhinolaryngol** 1984;239(1):15–23
Establishment of Epstein–Barr virus (EBV)–associated nuclear antigen (EBNA)–positive nasopharyngeal carcinoma hybrid cell line (NPC–KT). Takimoto T, et al. **Arch Otorhinolaryngol** 1984;239(1):87–92
Avian paramyxoviruses possessing antigenically related HN but distinct M proteins. Brief report. Abenes GB, et al. **Arch Virol** 1983;77(1):71–6
Rapid detection of bluetongue virus antigen in the sera and plasma of camels, sheep and cattle in the Sudan, using the gel immunodiffusion test. Brief report. Abu Elzein EM. **Arch Virol** 1984;79(1–2):131–4
Effects of n–butyrate and phorbol ester (TPA) on induction of Epstein–Barr virus antigens and cell differentiation. Anisimová E, et al. **Arch Virol** 1984;81(3–4):223–37
Antigenic and genetic characterization of H1 influenza viruses isolated from feral ducks and swine in Japan. Arikawa J, et al. **Arch Virol** 1983;78(1–2):19–27
Mouse hepatitis virus strain—related patterns of tissue tropism in suckling mice. Barthold SW, et al. **Arch Virol** 1984;81(1–2):103–12
Antigenic relationships of murine coronaviruses. Childs JC, et al. **Arch Virol** 1983;78(1–2):81–8
Subgrouping of human rotavirus strains by complement fixation, indirect double–antibody sandwich enzyme–linked immunosorbent assay and solid–phase immune electron microscopy. Gerna G, et al. **Arch Virol** 1984; 81(3–4):193–203
Monoclonal antibodies against BLV–transformed sheep cells. Brief report. Hamada K, et al. **Arch Virol** 1984; 81(1–2):171–5
Electron microscopic identification of rotavirus group antigen with gold–labelled monoclonal IgG. Martin ML, et al. **Arch Virol** 1983;78(3–4):279–85
Activation of a type C virus particle in cells from the inbred mouse strain 129/J: antigenic relationship with the horizontally transmitted type C viruses of primates. Brief report. Rapp UR, et al. **Arch Virol** 1983;76(4):373–9
Detection of bovine coronavirus in feces by reversed passive hemagglutination. Sato K, et al. **Arch Virol** 1984; 80(1):23–31
Rheumatoid arthritis nuclear antigen and Epstein–Barr virus [letter] **Arthritis Rheum** 1984 Apr;27(4):476–8
Prevalence of Arkansas–type infectious bronchitis virus in Delmarva peninsula chickens. Gelb J Jr, et al. **Avian Dis** 1983 Jul–Sep;27(3):667–78

Observations on the preparation and stability of infectious bronchitis virus hemagglutination antigen from virus propagated in chicken embryos and chicken kidney cell cultures. King DJ. **Avian Dis** 1984 Apr–Jun;28(2):504–13

Distribution of lymphoid leukosis virus and p27 group–specific antigen in tissues from laying hens. Spencer JL, et al. **Avian Dis** 1984 Apr–Jun;28(2):358–73

Epstein—Barr virus nuclear antigen in a non–Hodgkin's lymphoma. Slovin SF, et al. **Cancer Invest** 1984;2(1):21–6

Immunological characterization of Hodgkin's and non–Hodgkin's lymphoma patients with high antibody titers against Epstein–Barr virus–associated antigens. Masucci G, et al. **Cancer Res** 1984 Mar;44(3):1288–300

Evidence for both respiratory syncytial virus and measles virus antigens in the osteoclasts of patients with Paget's disease of bone. Mills BG, et al. **Clin Orthop** 1984 Mar; (183):303–11

Immunopathology of acute rheumatic fever and rheumatic heart disease. The demonstration of Coxsackie group B viral antigen in the myocardium. Pongpanich B, et al. **Clin Rheumatol** 1983 Sep;2(3):217–22

An enzyme–linked immunosorbent assay for the detection of hepatitis non–A, non–B antigen and antibody. Duermeyer W, et al. **Dev Biol Stand** 1983;54:475–82

Characterization of a non–A, non–B hepatitis associated substance in stools. Seelig HP, et al. **Dev Biol Stand** 1983; 54:501–8

The molecular basis of the antigenic variation of foot–and–mouth disease virus. Beck E, et al. **EMBO J** 1983; 2(4):555–9

Monoclonal antibodies as probes of the antigenic structure of tobacco mosaic virus. Al Moudallal Z, et al. **EMBO J** 1982;1(8):1005–10

Rapid and direct detection of herpes simplex virus and varicella–zoster virus antigens in clinical specimens by staphylococcal reagent and membrane filtration. Dishon T, et al. **Eur J Clin Microbiol** 1983 Dec;2(6):581–7

A rapid detection of avian oncovirus group–specific antigens in feather pulp by the enzyme–linked immunosorbent assay. Korec E, et al. **Folia Biol (Praha)** 1984;30(1):15–23

Demonstration of adult T–cell leukemia virus antigen in milk from three sero–positive mothers. Kinoshita K, et al. **Gann** 1984 Feb;75(2):103–5

Transmission of monkey retrovirus similar to human T–cell leukemia virus by blood transfusion. Miyoshi I, et al. **Gann** 1984 Jun;75(6):479–81

Phenotypic and cytogenetic characteristics of a new Epstein–Barr virus negative cell line (SKW 4) derived from a B–cell lymphoma. Nilsson K, et al. **Hematol Oncol** 1983 Oct–Dec;1(4):277–95

Non–A, non–B hepatitis: a prospective study of a hemodialysis outbreak with evaluation of a serologic marker in patients and staff. Gitnick G, et al. **Hepatology** 1983 Sep–Oct;3(5):625–30

Liver disease in cytomegalovirus mononucleosis: a light microscopical and immunoperoxidase study of six cases. Snover DC, et al. **Hepatology** 1984 May–Jun;4(3):408–12

Expression of H–2 and viral antigens and resistance to the antitumor lysis of tunicamycin–treated MBL–2 lymphoma cells. Colombo MP, et al. **Immunobiology** 1983 Aug; 165(2):186–99

Immune rabbit sera do not recognize antigenic variants of caprine arthritis–encephalitis virus isolated during persistent infection. Anderson LW, et al. **Infect Immun** 1983 Nov;42(2):845–7

Antigenic analysis of Japanese encephalitis virus by using monoclonal antibodies. Kobayashi Y, et al. **Infect Immun** 1984 Apr;44(1):117–23

Persistence of influenza as an immunogen in pulmonary antigen–presenting cells. Lipscomb MF, et al. **Infect Immun** 1983 Dec;42(3):965–72

Antigenic analysis of H1N1 viruses isolated in the Houston metropolitan area during four successive seasons. Six HR, et al. **Infect Immun** 1983 Nov;42(2):453–8

Relative immunogenicity of the cold–adapted influenza virus A/Ann Arbor/6/60 (A/AA/6/60–ca), recombinants of A/AA/6/60–ca, and parental strains with similar surface antigens. Tannock GA, et al. **Infect Immun** 1984 Feb; 43(2):457–62

Location of human T–cell leukemia virus (HTLV) p19 antigen on virus–producing cells. Aoki T, et al. **Int J Cancer** 1984 Feb 15;33(2):161–5

Further characterization of Marek's disease virus–infected lymphocytes. I. In vivo infection. Calnek BW, et al. **Int J Cancer** 1984 Mar 15;33(3):389–98

Further characterization of Marek's disease virus–infected lymphocytes. II. In vitro infection. Calnek BW, et al. **Int J Cancer** 1984 Mar 15;33(3):399–406

Increased incidence of mouse mammary tumor virus–related antigen in Tunisian patients with breast cancer. Levine PH, et al. **Int J Cancer** 1984 Mar 15;33(3):305–8

Cell surface phenotypes and expression of viral antigens of various human cell lines carrying human T–cell leukemia virus. Sugamura K, et al. **Int J Cancer** 1984 Aug 15; 34(2):221–8

Monoclonal antibody to human T–cell leukemia virus p19 defines polypeptide antigen in human choriocarcinoma cells and syncytiotrophoblasts of first–trimester placentas. Suni J, et al. **Int J Cancer** 1984 Mar 15;33(3):293–8

Induction of Epstein–Barr virus antigens by tumor promoters for epidermal and nonepidermal tissues. Takada K, et al. **Int J Cancer** 1984 Apr 15;33(4):491–6

Localization of hepatitis A virus antigen to specific subcellular fractions of hepatitis–A–infected chimpanzee liver cells. Khan NC, et al. **Intervirology** 1984;21(4):187–94

Antigenic variation during persistent infection by equine infectious anemia virus, a retrovirus. Montelaro RC, et al. **J Biol Chem** 1984 Aug 25;259(16):10539–44

The estimation of host antigen in experimental and commercial influenza subunit preparations by delayed–type hypersensitivity reaction. Brand CM, et al. **J Biol Stand** 1983 Oct;11(4):313–21

The standardization of a 'spot–test' ELISA for the rapid screening of sera and hybridoma cell products II. The determination of binding capacity, binding ratio and coefficient of variation of different ELISA plates in sandwich and indirect ELISA. McCullough KC, et al. **J Biol Stand** 1984 Jan;12(1):75–86

The relationship between the 140S antigen dose in aqueous foot–and–mouth disease vaccines and the serum antibody response of cattle. Rweyemamu MM, et al. **J Biol Stand** 1984 Jan;12(1):111–20

Sensitive radioimmune assay for measuring Aleutian disease virus antigen and antibody. Aasted B, et al. **J Clin Microbiol** 1983 Sep;18(3):637–44

Biotin–avidin–amplified enzyme immunoassay for detection of herpes simplex virus antigen in clinical specimens. Adler–Storthz K, et al. **J Clin Microbiol** 1983 Dec; 18(6):1329–34

Comparison of a monoclonal antibody with a polyclonal serum in an enzyme–linked immunosorbent assay for detecting adenovirus. Anderson LJ, et al. **J Clin Microbiol** 1983 Sep;18(3):463–8

Enzyme–linked immunosorbent assays based on polyclonal and monoclonal antibodies for rotavirus detection. Beards GM, et al. **J Clin Microbiol** 1984 Feb;19(2):248–54

Primary isolation and serial passage of hepatitis A virus strains in primate cell cultures. Binn LN, et al. **J Clin Microbiol** 1984 Jul;20(1):28–33

Immunofluorescent examination of the skin of rabies–infected animals as a means of early detection of rabies virus antigen. Blenden DC, et al. **J Clin Microbiol** 1983 Sep;18(3):631–6

Isolation and serotyping of porcine rotaviruses and antigenic comparison with other rotaviruses. Bohl EH, et al. **J Clin Microbiol** 1984 Feb;19(2):105–11

Etiological diagnosis of influenza A virus by enzymatic radioimmunoassay. Coonrod JD, et al. **J Clin Microbiol** 1984 Mar;19(3):361–5

Isolation of immunogenic neuraminidases of human influenza viruses by a combination of genetic and biochemical procedures. Gallagher M, et al. **J Clin Microbiol** 1984 Jul; 20(1):89–93

Rapid detection of cytomegalovirus in MRC–5 cells inoculated with urine specimens by using low–speed centrifugation and monoclonal antibody to an early antigen. Gleaves CA, et al. **J Clin Microbiol** 1984 Jun;19(6):917–9

Enzyme immunoassay for direct detection of influenza type A and adenovirus antigens in clinical specimens. Harmon MW, et al. **J Clin Microbiol** 1982 Jan;15(1):5–11

Classification of Inoue–Melnick virus into three antigenic types. Inoue YK, et al. **J Clin Microbiol** 1984 Jul; 20(1):118–9

Evaluation of solubilized herpes simplex virus membrane antigen by enzyme–linked immunosorbent assay. Jeansson S, et al. **J Clin Microbiol** 1983 Nov;18(5):1160–6

Rapid diagnosis of herpes simplex virus infections by enzyme–linked immunosorbent assay. Land SA, et al. **J Clin Microbiol** 1984 Jun;19(6):865–9

Evaluation of an enzyme–linked immunosorbent assay for the detection of herpes simplex virus antigen. Morgan MA, et al. **J Clin Microbiol** 1984 Jun;19(6):730–2

Rapid detection of herpes simplex virus in clinical specimens by use of a capture biotin–streptavidin enzyme–linked immunosorbent assay. Nerurkar LS, et al. **J Clin Microbiol** 1984 Jul;20(1):109–14

Comparison of direct immunofluorescence and direct immunoperoxidase procedures for detection of herpes simplex virus antigen in lesion specimens. Schmidt NJ, et al. **J Clin Microbiol** 1983 Aug;18(2):445–8

Enzyme–linked immunosorbent assay for detection of equine infectious anemia virus p26 antigen and antibody. Shane BS, et al. **J Clin Microbiol** 1984 Mar;19(3):351–5

Development of an immunofluorescence focus assay for Ebola virus. Truant AL, et al. **J Clin Microbiol** 1983 Aug; 18(2):416–9

Antigenic relationships among some bovine rotaviruses: serum neutralization and cross–protection in gnotobiotic calves. Woode GN, et al. **J Clin Microbiol** 1983 Aug; 18(2):358–64

Single radial complement fixation test for assaying antibody to influenza virus type–specific antigens. Yamane N, et al. **J Clin Microbiol** 1983 Oct;18(4):837–43

Enzyme immunoassays in which biotinillated beta–lactamase is used for the detection of microbial antigens. Yolken RH, et al. **J Clin Microbiol** 1984 Mar;19(3):356–60

The exanthem of Ross River virus infection: histology, location of virus antigen and nature of inflammatory infiltrate. Fraser JR, et al. **J Clin Pathol** 1983 Nov; 36(11):1256–63

Inverted follicular keratosis and verruca vulgaris. An investigation for the papillomavirus common antigen. Mehregan AH, et al. **J Cutan Pathol** 1984 Apr;11(2):99–102

Antigenic and pathogenic relationships of three bovine rotaviruses and a porcine rotavirus. Bridger JC, et al. **J Gen Virol** 1984 Jul;65 (Pt 7):1151–8

Pleomorphism among murine tissue–associated gp70s. Butler GH, et al. **J Gen Virol** 1984 Jan;65 (Pt 1):141–51

Localization of a neutralization epitope of foot–and–mouth disease virus using neutralizing monoclonal antibodies. Duchesne M, et al. **J Gen Virol** 1984 Sep;65 (Pt 9):1559–66

Neutralization epitopes on poliovirus type 3 particles: an analysis using monoclonal antibodies. Ferguson M, et al. **J Gen Virol** 1984 Jan;65 (Pt 1):197–201

Monoclonal antibodies recognizing structural components of murine retroviruses including an FMR antigen on protein p12. Gambke C, et al. **J Gen Virol** 1984 Sep;65 (Pt 9):1507–17

Monoclonal antibodies to human respiratory syncytial virus and their use in comparison of different virus isolates. Gimenez HB, et al. **J Gen Virol** 1984 May;65 (Pt 5):963–71

Peroral infection of suckling mice with milk–borne mouse mammary tumour virus: uptake of the main viral antigens by the gut. Hainaut P, et al. **J Gen Virol** 1983 Dec;64 (Pt 12):2535–48

Structural differences in envelope glycoproteins associated with rat leukaemia virus produced by Novikoff hepatocellular carcinoma and spontaneously transformed Wistar rat embryo cells. Hixson DC, et al. **J Gen Virol** 1984 Apr;65 (Pt 4):743–60

Demonstration of neutralizing and non–neutralizing epitopes on the trypsin–sensitive site of foot–and–mouth disease virus. Ouldridge EJ, et al. **J Gen Virol** 1984 Jan;65 (Pt 1):203–7

Antigenic variation of HVJ (Sendai virus) HN glycoprotein detectable by monoclonal antibodies during persistent infection. Sato H, et al. **J Gen Virol** 1984 Jan;65 (Pt 1):185–9

Antigenic variation among members of the tick–borne encephalitis complex. Stephenson JR, et al. **J Gen Virol** 1984 Jan;65 (Pt 1):81–9

An investigation of antigenic drift of neuraminidases of influenza A (H1N1) viruses. Luther P, et al. **J Hyg (Lond)** 1984 Apr;92(2):223–9

Nephropathia epidemica in Norway: antigen and antibodies in rodent reservoirs and antibodies in selected human populations. Traavik T, et al. **J Hyg (Lond)** 1984 Aug; 93(1):139–46

Identification of a viral antigen recognized by H–2–restricted cytolytic T lymphocytes on a murine leukemia virus–induced tumor. Plata F, et al. **J Immunol** 1983 Nov; 131(5):2551–6

Electrophoretic protein transfer applied to immunoelectrophoresis. Lum MA, et al. **J Immunol Methods** 1983 Nov 25;64(3):377–82

A glucose oxidase immunoenzyme stain for the detection of viral antigen or antibody on nitrocellulose transfer blots. Porter DD, et al. **J Immunol Methods** 1984 Aug 3;72(1):1–9

Enzyme–linked immunosorbent assay for the detection of Epstein–Barr virus–induced antigens and antibodies. Sternås L, et al. **J Immunol Methods** 1983 Oct 14; 63(2):171–85

A simple immunoperoxidase method for detecting enteric adenovirus and rotavirus in cell culture. Cevenini R, et al. **J Infect** 1984 Jan;8(1):22–7

Common expression of varicella–zoster viral glycoprotein antigens in vitro and in chickenpox and zoster vesicles. Weigle KA, et al. **J Infect Dis** 1983 Oct;148(4):630–8

Detection of varicella–zoster viral antigens in clinical specimens by solid–phase enzyme immunoassay. Ziegler T. **J Infect Dis** 1984 Jul;150(1):149–54

Papillomavirus in cervical condylomas with and without associated cervical intraepithelial neoplasia. Guillet G, et al. **J Invest Dermatol** 1983 Dec;81(6):513–6

Polymorphonuclear leukocyte–associated antigenemia in measles: demonstration and significance. Abramowitz A, et al. **J Med Virol** 1984;13(3):293–9

Immunoperoxidase localization of papillomavirus antigen in cutaneous warts and bowenoid papulosis. Braun L, et al. **J Med Virol** 1983;12(3):187–93

Prevalence of delta agent among Chinese in Taiwan and Los Angeles. Govindarajan S, et al. **J Med Virol** 1984; 14(1):33–7

Prevalence of a non–A, non–B–associated antigen/antibody system detected by radioimmunoassay in acute and chronic liver disease. Luo KX, et al. **J Med Virol** 1983;12(4):253–65

Diagnosis of respiratory syncytial virus infection in children: comparison of viral antigen detection and serology. Meurman O, et al. **J Med Virol** 1984;14(1):61–5

Mumps virus infection of the developing mouse brain—appearance of structural virus proteins demonstrated with monoclonal antibodies. Kristensson K, et al. **J Neuropathol Exp Neurol** 1984 Mar;43(2):131–40

Occurrence of papillomavirus structural antigens in oral papillomas and leukoplakias. Löning T, et al. **J Oral Pathol** 1984 Apr;13(2):155–65

Immunobiochemical characterization with monoclonal antibodies of Epstein–Barr virus–associated early antigens in chemically induced cells. Epstein AL. **J Virol** 1984 May; 50(2):372–9

Immunogenic proteins of feline rhinotracheitis virus. Maes RK, et al. **J Virol** 1984 Jul;51(1):259–62

Major polypeptide of duck hepatitis B surface antigen particles. Marion PL, et al. **J Virol** 1983 Nov;48(2):534–41

Monoclonal antibody to simian virus 40 small t. Montano X, et al. **J Virol** 1984 Sep;51(3):760–7

Identification of immunologically cross–reactive proteins of

Sindbis virus: evidence for unique conformation of E1 glycoprotein from infected cells. Wolcott JA, et al. **J Virol** 1984 Feb;49(2):379–85

An immunoprecipitation blocking assay for the analysis of EBV induced antigens. Bayliss GJ, et al. **J Virol Methods** 1983 Oct;7(4):229–39

Enzyme–linked immunosorbent assay for the detection of human rotavirus in stools. Bellamy K, et al. **J Virol Methods** 1983 Aug;7(2):65–72

Nitrocellulose–enzyme–linked immunosorbent assay (NC–ELISA) – a sensitive technique for the rapid visual detection of both viral antigens and antibodies. Bode L, et al. **J Virol Methods** 1984 Feb;8(1–2):111–21

Immunoelectron microscopic localization of rabies virus antigen in central nervous system and peripheral tissue using low–temperature embedding and protein A–gold. Burrage TG, et al. **J Virol Methods** 1983 Dec;7(5–6):337–50

A broad–spectrum enzyme–linked immunosorbent assay for the detection of human enteric viruses. Deng M, et al. **J Virol Methods** 1984 Feb;8(1–2):87–98

Quantitative determination by ELISA of tobacco necrosis virus from necrotic local lesions in tobacco. Roggero P, et al. **J Virol Methods** 1984 Jul;8(4):283–91

Solid–phase enzyme–immunoassay for the detection of herpes simplex virus antigens in clinical specimens. Ziegler T, et al. **J Virol Methods** 1983 Jul;7(1):1–9

Leads from the MMWR. Antigenic analysis of recent influenza A (H1N1) viruses. **JAMA** 1983 Nov 11; 250(18):2430–1

Nakatani antigen and human parvovirus (B19) [letter] Okochi K, et al. **Lancet** 1984 Jan 21;1(8369):160–1

Antigenic comparison of virus strains of mild and classical types of epidemic haemorrhagic fever isolated in China and adaptation of these to cultures of normal cells [letter] Song G, et al. **Lancet** 1984 Mar 24;1(8378):677–8

Chromogenic method to screen very large populations of bacteriophage plaques for the presence of specific antigen. Kaplan DA, et al. **Methods Enzymol** 1983;100:342–68

Subcellular location of the major protein antigens of paramyxoviruses revealed by immunoperoxidase cytochemistry. Nagai Y, et al. **Microbiol Immunol** 1983; 27(6):531–45

Antigenic analysis of recent influenza A(H1N1) viruses. **MMWR** 1983 Oct 21;32(41):534–5

Demonstration of Aujeszky's disease virus antigen in trypsin–digested paraffin–embedded tissue sections by immunofluorescence. Narita M, et al. **Natl Inst Anim Health Q (Tokyo)** 1983 Fall;23(3):105–7

Antigenic analysis of influenza viruses isolated in Thailand, December, 1982–October, 1983. Takeuchi Y, et al. **Nippon Ika Daigaku Zasshi** 1984 Jun;51(3):396–9

Experimental herpesvirus keratitis in the rabbit: topical versus intrastromal infection routes. Meyers–Elliott RH, et al. **Ophthalmic Res** 1983;15(5):240–56

Direct measurement of hepatitis B viral antibody and antigen markers in gingival crevicular fluid. Pollock JJ, et al. **Oral Surg** 1984 May;57(5):499–503

Chronic disseminated Epstein–Barr virus infection and humoral immunodeficiency: detection of viral antigen by ELISA inhibition assay. Lederman HM, et al. **Pediatr Infect Dis** 1983 Sep–Oct;2(5):388–90

Identification of broiler breeders congenitally transmitting avian leukosis virus by enzyme–linked immunosorbent assay. Crittenden LB, et al. **Poult Sci** 1984 Mar;63(3):492–6

Simultaneous in situ detection of viral RNA and antigens. Brahic M, et al. **Proc Natl Acad Sci USA** 1984 Sep; 81(17):5445–8

Detection of non–A, non–B hepatitis antigen by immunocytochemical staining. Burk KH, et al. **Proc Natl Acad Sci U?A** 1984 May;81(10):3195–9

Pseudotypes of human T–cell leukemia virus types 1 and 2: neutralization by patients' sera. Clapham P, et al. **Proc Natl Acad Sci USA** 1984 May;81(9):2886–9

Detection of an Epstein–Barr virus–associated membrane antigen in Epstein–Barr virus–transformed nonproducer cells by leukocyte migration inhibition and blocking antibody. Szigeti R, et al. **Proc Natl Acad Sci USA** 1984 Jul;81(13):4178–82

Retrovirus in adult T–cell leukemia. Hinuma Y. **Prog Med Virol** 1984;30:156–69

Human papillomavirus in cervical condylomata. An immunohistochemical study. Mariuzzi GM, et al. **Ric Clin Lab** 1983 Apr–Jun;13(2):255–60

Human papilloma virus (HPV) antigens and local immunologic reactivity in oral squamous cell tumors and hyperplasias. Syrjänen K, et al. **Scand J Dent Res** 1984 Aug;92(4):358–70

Serological analysis of a subgroup of human T–lymphotropic retroviruses (HTLV–III) associated with AIDS. Schüpbach J, et al. **Science** 1984 May 4;224(4648):503–5

An Epstein–Barr virus–negative B lymphoma cell line (THP–2) from a Burkitt's lymphoma of a Japanese patient. Tsuchiya S, et al. **Tohoku J Exp Med** 1983 Aug; 140(4):429–34

Immunoperoxidase detection of Yellow Fever virus after natural and experimental infections. de la Monte SM, et al. **Trop Geogr Med** 1983 Sep;35(3):235–41

Evaluation of ELISA and electron microscopy for the detection of coronavirus and rotavirus in bovine faeces. Reynolds DJ, et al. **Vet Rec** 1984 Apr 21;114(16):397–401

Antigenic variation in the influenza A virus nonstructural protein, NS1. Brown LE, et al. **Virology** 1983 Oct 15; 130(1):134–43

Antigenic and structural studies on the transforming proteins of Rous sarcoma virus and Yamaguchi 73 avian sarcoma virus. Erikson E, et al. **Virology** 1983 Oct 15;130(1):221–6

The nature of polypeptides larger in size than the major surface antigen components of hepatitis b and like viruses in ground squirrels, woodchucks, and ducks. Feitelson MA, et al. **Virology** 1983 Oct 15;130(1):76–90

Antigenic relationships of murine coronaviruses: analysis using monoclonal antibodies to JHM (MHV–4) virus. Fleming JO, et al. **Virology** 1983 Dec;131(2):296–307

Adenovirus type 12 specific cell surface antigen in transformed cells is a product of the E1b early region. Föhring B, et al. **Virology** 1983 Dec;131(2):463–72

Production of monoclonal antibody to a late intracellular Epstein–Barr virus–induced antigen. Kishishita M, et al. **Virology** 1984 Mar;133(2):363–75

Identification and preliminary mapping with monoclonal antibodies of a herpes simplex virus 2 glycoprotein lacking a known type 1 counterpart. Roizman B, et al. **Virology** 1984 Feb;133(1):242–7

Protective monoclonal antibodies define maturational and pH–dependent antigenic changes in Sindbis virus E1 glycoprotein. Schmaljohn AL, et al. **Virology** 1983 Oct 15; 130(1):144–54

The feline oncornavirus–associated cell membrane antigen (FOCMA) is related to, but distinguishable from, FeLV–C gp70. Snyder HW Jr, et al. **Virology** 1983 Dec; 131(2):315–27

Characterization of human p53 antigens employing primate specific monoclonal antibodies. Thomas R, et al. **Virology** 1983 Dec;131(2):502–17

Qualitative and quantitative detection of Nairobi sheep disease virus antigen by immunoperoxidase in BHK–, sheep kidney– and tick cell cultures. Munz E, et al. **Zentralbl Veterinarmed [B]** 1984 Apr;31(3):231–9

[Detection of the viral antigen of hemorrhagic fever with renal syndrome in the lungs of a murine population and a sero–epidemiologic survey] Li ZL. **Chun Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1983 Aug; 4(4):202–4 (Eng. Abstr.) **(Chi)**

[Detection of the viral antigen of hemorrhagic fever with renal syndrome (HFRS) in Apodemus species] Li ZL. **Chun Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1983 Aug; 4(4):205–6 (Eng. Abstr.) **(Chi)**

[Detection of viral antigen in rodents' lung tissue and antibody in patients' sera in the epidemic hemorrhagic fever endemic area of Xinye County, Henan Province] Guo SX. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1983 Oct; 4(5):292–4 (Eng. Abstr.) **(Chi)**

[A preliminary observation on the antigen of epidemic hemorrhagic fever virus carried by rodents in Linyi Prefecture] Wu Q. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1983 Oct; 4(5):295–6 (Eng. Abstr.) **(Chi)**

[A specific histological marker of undifferentiated carcinoma of the nasopharynx. The ACIF (Anti–Complement Immunofluorescence) test] Micheau C, et al. **Ann Pathol** 1984 Apr–May;4(2):143–6 (Eng. Abstr.) **(Fre)**

[Parvovirus (serum–parvovirus–like–virus) and Aurillac antigen. A study of 18 cases] Couroucé AM, et al. **Rev Fr Transfus Immunohematol** 1984 Feb;27(1):5–19 (Eng. Abstr.) **(Fre)**

[Demonstration of an experimentally induced antigenic drift in rotaviruses] Heinrich HW. **Arch Exp Veterinarmed** 1983 Sep;37(5):667–70 (17 ref.) (Eng. Abstr.) **(Ger)**

[Influenza] Drescher HJ. **Arch Otorhinolaryngol [Suppl]** 1983; 1:113–87 (Eng. Abstr.) **(Ger)**

[Comparative serological studies of South German field isolates of hen infectious bronchitis virus and Dutch variant strains D207, D3128 and D3896 in tracheal cultures] Locher M, et al. **Berl Munch Tierarztl Wochenschr** 1983 Sep 1;96(9):302–4 (Eng. Abstr.) **(Ger)**

[Detection of surface antigens in Borna virus–infected cells] Ludwig H, et al. **Berl Munch Tierarztl Wochenschr** 1984 Feb 1;97(2):47–51 (Eng. Abstr.) **(Ger)**

[Virologic–serologic diagnosis of nasopharyngeal cancer] Bornkamm GW. **Strahlentherapie [Sonderb]** 1984;78:15–21 **(Ger)**

[Quantitative determination of spring viremia carp virus (SVCV) antigens using immunofluorescence and immunoperoxidase plaque technic] Faisal M, et al. **Zentralbl Veterinarmed [B]** 1983 Jul;30(6):466–70 (Eng. Abstr.) **(Ger)**

[Immunofluorescence reaction for rotavirus analysis in fecal specimens] Arista S, et al. **Quad Sclavo Diagn** 1983 Dec; 19(4):499–506 (Eng. Abstr.) **(Ita)**

[Application of fluorescent antibody technic to the diagnosis of influenza] Kusuda H, et al. **Kansenshogaku Zasshi** 1983 May;57(5):388–93 (Eng. Abstr.) **(Jpn)**

[Influenza B outbreak in pediatrics and HA antigen analysis by monoclonal antibody] Sugaya N, et al. **Kansenshogaku Zasshi** 1984 Mar;58(3):181–6 (Eng. Abstr.) **(Jpn)**

[Analysis of membrane differentiation antigens and ATLA (adult T–cell leukemia virus–associated antigen) of 25 cultured cell lines derived from human T–cell leukemia/lymphoma] Tobinai K, et al. **Nippon Ketsueki Gakkai Zasshi** 1984 May;47(3):727–36 (Eng. Abstr.) **(Jpn)**

[Direct immunofluorescence demonstration of yellow fever antigens in hepatic tissue pre–treated with trypsin] Schatzmayr HG, et al. **Mem Inst Oswaldo Cruz** 1984 Jan–Mar;79(1):93–9 (Eng. Abstr.) **(Por)**

[Measles virus—antigenic structure] Ciufecu E. **Rev Ig [Bacteriol]** 1983 Oct–Dec;28(4):311–41 (153 ref.) **(Rum)**

[Humoral antibodies to the antigens related to the structural protein antigens of the mammary cancer virus (MTV) in breast cancer patients and in healthy donors] Litvinov SV, et al. **Biull Eksp Biol Med** 1984 May;97(5):600–3 (Eng. Abstr.) **(Rus)**

[Preparation and characteristics of the antigenic properties of tissue influenza diagnostic agents] Sominina AA, et al. **Tr Inst Pastera** 1982;59:67–70 **(Rus)**

[New antigenic variants of enteroviruses and their significance in the epidemiology of serous meningitis] Vashukova SS, et al. **Tr Inst Pastera** 1983;61:116–23 (Eng. Abstr.) **(Rus)**

[Host antigens in purified preparations of the influenza virus] Zhebrun AB, et al. **Tr Inst Pastera** 1982;59:70–81 **(Rus)**

[Determination of the antigenic composition of the hemagglutinins of influenza viruses H1N1] Isaeva EI, et al. **Vopr Virusol** 1983 Jul–Aug;28(4):24–9 (Eng. Abstr.) **(Rus)**

[Antigenic composition of the hemagglutinins of influenza viruses H2N2] Ismallova IM, et al. **Vopr Virusol** 1984 Jan–Feb;29(1):69–74 (Eng. Abstr.) **(Rus)**

[Isolation of influenza A viruses in 1981 in Leningrad with and antigenic formula (H0N1) related to strain A/PR8/34] Ivanova NA, et al. **Vopr Virusol** 1984 Jan–Feb;29(1):35–8 (Eng. Abstr.) **(Rus)**

[Analysis of the antigenic structure of influenza A/USSR/90/77 virus hemagglutinin] Kendal AP, et al. **Vopr Virusol** 1984 May–Jun;29(3):282–6 (Eng. Abstr.) **(Rus)**

[Determination of the degree of antigenic novelty and of the epidemic currency of influenza virus strains] Skripchenko GS, et al. **Vopr Virusol** 1983 Jul–Aug; 28(4):29–32 (Eng. Abstr.) **(Rus)**

[Changes in the antigenic composition of virus A (H1N1) hemagglutinin in 1977–1982 detected by using monoclonal antibodies] Zakstel'skaia LIa, et al. **Vopr Virusol** 1984 Jan–Feb;29(1):62–6 (Eng. Abstr.) **(Rus)**

[Protective antigens of the vaccinia virus] Zezerov EG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Oct;(10):82–8 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

ELISA for the detection of herpes simplex virus antigens in the cerebrospinal fluid of patients with encephalitis. Coleman RM, et al. **J Virol Methods** 1983 Sep;7(3):117–25

[A case of herpes simplex type 2 meningo–encephalitis. Rapid diagnosis by immunofluorescent examination of the CSF for viral antigens and viderabine therapy] Kurihara T, et al. **Rinsho Shinkeigaku** 1984 Mar;24(3):230–4 (Eng. Abstr.) **(Jpn)**

CLASSIFICATION

Evaluation of the antigenic variation within type–A foot and mouth disease virus isolates from Asia. Rweyemamu MM, et al. **J Biol Stand** 1984;12(2):191–4

Molecular characterization of rotaviruses with distinct group antigens. Pedley S, et al. **J Gen Virol** 1983 Oct;64 (Pt 10):2093–101

GENETICS

Effects of DNA synthesis inhibitors on early antigen expression following primary infection or superinfection by Epstein–Barr virus. Lidin BI, et al. **Arch Virol** 1983; 77(1):13–25

Effect of indomethacin on Epstein–Barr virus early antigen induction. Daniel LW, et al. **Cancer Res** 1984 Mar; 44(3):981–3

Mutagenesis of Fujinami sarcoma virus: evidence that tyrosine phosphorylation of P130gag–fps modulates its biological activity. Weinmaster G, et al. **Cell** 1984 Jun; 37(2):559–68

Association of gag–myc proteins from avian myelocytomatosis virus wild–type and mutants with chromatin. Bunte T, et al. **EMBO J** 1982;1(8):919–27

Phosphorylation of specific sites in the gag–myc polyproteins encoded by MC29–type viruses correlates with their transforming ability. Ramsay G, et al. **EMBO J** 1982; 1(9):1111–6

Sequence analysis of Gardner–Arnstein feline leukaemia virus envelope gene reveals common structural properties of mammalian retroviral envelope genes. Wünsch M, et al. **EMBO J** 1983;2(12):2239–46

Antigenic and biochemical analysis of field isolates of influenza B virus: evidence for intra– and inter–epidemic variation. Oxford JS, et al. **J Gen Virol** 1983 Nov;64 (Pt 11):2367–77

Bacterial synthesis of herpes simplex virus types 1 and 2 glycoprotein D antigens. Watson RJ, et al. **J Invest Dermatol** 1984 Jul;83(1 Suppl):102s–111s

Subcellular localization of glycoproteins encoded by the viral oncogene v–fms. Anderson SJ, et al. **J Virol** 1984 Sep; 51(3):730–41

Nucleotide sequence of the gag gene and gag–pol junction

of feline leukemia virus. Laprevotte I, et al. **J Virol** 1984 Jun;50(3):884–94

Molecular cloning of the Aleutian disease virus genome: expression of Aleutian disease virus antigens by a recombinant plasmid. Mayer LW, et al. **J Virol** 1983 Dec; 48(3):573–9

Epstein–Barr virus with heterogeneous DNA disrupts latency. Miller G, et al. **J Virol** 1984 Apr;50(1):174–82

Genetic variation among lentiviruses: homology between visna virus and caprine arthritis–encephalitis virus is confined to the 5' gag–pol region and a small portion of the env gene. Pyper JM, et al. **J Virol** 1984 Sep; 51(3):713–21

Expression in COS–1 cells of Epstein–Barr virus nuclear antigen from a complete gene and a deleted gene. Robert MF, et al. **J Virol** 1984 Jun;50(3):822–31

Detection of the v–abl gene product at cell–substratum contact sites in Abelson murine leukemia virus–transformed fibroblasts. Rohrschneider LR, et al. **J Virol** 1984 Aug; 51(2):547–52

Production of a monospecific antiserum against the early region 1A proteins of adenovirus 12 and adenovirus 5 by an adenovirus 12 early region 1A–beta–galactosidase fusion protein antigen expressed in bacteria. Scott MO, et al. **J Virol** 1984 Jun;50(3):895–903

Analysis of adenovirus transforming proteins from early regions 1A and 1B with antisera to inducible fusion antigens produced in Escherichia coli. Spindler KR, et al. **J Virol** 1984 Jan;49(1):132–41

A membrane–associated, carbohydrate–modified form of the v–abl protein that cannot be phosphorylated in vivo or in vitro. Watanabe SM, et al. **J Virol** 1984 Sep;51(3):620–7

Isolation, characterization, and physical mapping of a pseudorabies virus mutant containing antigenically altered gp50. Wathen MW, et al. **J Virol** 1984 Jul;51(1):57–62

Construction and expression of a recombinant DNA gene encoding a polyomavirus middle–size tumor antigen with the carboxyl terminus of the vesicular stomatitis virus glycoprotein G. Templeton D, et al. **Mol Cell Biol** 1984 Feb;4(2):282–9

Chemical basis of antigenic variation in foot–and–mouth disease virus. Rowlands DJ, et al. **Nature** 1983 Dec 15–21; 306(5944):694–7

Nucleotide sequence of the 5' noncoding region and part of the gag gene of mouse mammary tumor virus; identification of the 5' splicing site for subgenomic mRNAs. Fasel N, et al. **Nucleic Acids Res** 1983 Oct 25; 11(20):6943–55

Antigenicity and evolution amongst recent influenza viruses of H1N1 subtype. Raymond FL, et al. **Nucleic Acids Res** 1983 Oct 25;11(20):7191–203

Two Epstein–Barr viral nuclear neoantigens distinguished by gene transfer, serology, and chromosome binding. Grogan EA, et al. **Proc Natl Acad Sci USA** 1983 Dec; 80(24):7650–3

Identification of Epstein–Barr virus sequences that encode a nuclear antigen expressed in latently infected lymphocytes. Hearing JC, et al. **Proc Natl Acad Sci USA** 1984 Jul;81(14):4373–7

Cloning and physical mapping of a gene fragment coding for a 64–kilodalton major late antigen of human cytomegalovirus. Pande H, et al. **Proc Natl Acad Sci USA** 1984 Aug;81(15):4965–9

Expression of a nuclear and a cytoplasmic Epstein–Barr virus early antigen after DNA transfer: cooperation of two distant parts of the genome for expression of the cytoplasmic antigen. Takaki K, et al. **Proc Natl Acad Sci USA** 1984 Jul;81(14):4568–72

Interaction of N–methyl–N'–nitro–N–nitrosoguanidine (MNNG) with owl monkey kidney cells in enhancing the yields of Herpesvirus saimiri (HVS) and its antigens. Faggioni A, et al. **Proc Soc Exp Biol Med** 1984 Sep; 176(4):407–13

Antigens encoded by the 3'–terminal region of human T–cell leukemia virus: evidence for a functional gene. Lee TH, et al. **Science** 1984 Oct 5;226(4670):57–61

The avian sarcoma virus PRCII lacks 1020 nucleotides of the fps transforming gene. Carlberg K, et al. **Virology** 1984 May;135(1):157–67

Epstein–Barr virus (P3HR–1) defective DNA codes for components of both the early antigen and viral capsid antigen complexes. Cho MS, et al. **Virology** 1984 Aug; 137(1):9–19

Individual ev loci determine characteristic patterns of endogenous retroviral envelope antigen expression during lymphocyte maturation. Ewert DL, et al. **Virology** 1984 Feb;133(1):128–36

An EBNA–negative, EBV–genome–positive human lymphoblast cell line in which superinfecting EBV DNA is not maintained. Reisman D, et al. **Virology** 1984 Aug; 137(1):113–26

Impaired cleavage of the joint gag–pol polyprotein precursor and virion assembly in a temperature–sensitive mutant of Rous sarcoma virus. Ro JH, et al. **Virology** 1984 Jun; 135(2):489–502

Myristylation of gag–onc fusion proteins in mammalian transforming retroviruses. Schultz A, et al. **Virology** 1984 Mar;133(2):431–7

[Directed fragmentation of tobacco mosaic virus RNA: excision of 3' terminal sections, containing coat protein genes of tobacco mosaic virus] Rodionova NP, et al. **Mol Biol (Mosk)** 1983 Jul–Aug;17(4):809–17 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Antigenic relationships among Turlock serogroup Bunyaviruses as determined by neutralization tests. Calisher CH, et al. **Acta Virol (Praha)** 1984 Mar;28(2):148–51

Antigenic and biological criteria of differentiation of the newly isolated strains of respiratory syncytial virus. Yurlova TI, et al. **Acta Virol (Praha)** 1983 May;27(3):257–62

Cell mediated immunity to polio antigens in the early stage of acute poliomyelitis. Livni R, et al. **Allergol Immunopathol (Madr)** 1984 Mar–Apr;12(2):119–22

Yellow fever monoclonal antibodies: type–specific and cross–reactive determinants identified by immunofluorescence. Monath TP, et al. **Am J Trop Med Hyg** 1984 Jul;33(4):695–8

Antigenic characterization of Tettnang virus: complications caused by passage of the virus in mice from a colony enzootically infected with mouse hepatitis virus. Smith AL, et al. **Am J Trop Med Hyg** 1983 Sep;32(5):1172–6

Course of feline leukemia virus infection and its detection by enzyme–linked immunosorbent assay and monoclonal antibodies. Lutz H, et al. **Am J Vet Res** 1983 Nov; 44(11):2054–9

Structural proteins of equine infectious anemia virus and their antigenic activity. Nishimura M, et al. **Am J Vet Res** 1984 Jan;45(1):5–10

Plaque morphology and antigenic relationship of the Salmonella weltevreden typing phages. Sood LR, et al. **Antonie Van Leeuwenhoek** 1983 Nov;49(4–5):485–91

Serological analyses of different mink Aleutian disease virus strains. Aasted B, et al. **Arch Virol** 1984;80(1):11–22

Antibodies to cytomegalovirus–induced pre–early nuclear antigen in the anticomplement–immunofluorescent test in comparison to IgG and IgM antibodies in the indirect and direct enzyme–linked immunosorbent assay in diagnosing cytomegalovirus infections. Gärtner L, et al. **Arch Virol** 1984;80(4):305–13

Characterization of African swine fever virus antigenic proteins by immunoprecipitation. Letchworth GJ, et al. **Arch Virol** 1984;80(4):265–74

Serological comparison and antigenic relationships of seven serotypes of infectious bronchitis virus using the hemagglutination–inhibition test. Lashgari MS, et al. **Avian Dis** 1984 Apr–Jun;28(2):435–43

Determination of the antigenic relationships within the Massachusetts (M41) type of infectious bronchitis virus using the hemagglutination–inhibition test. Lashgari MS, et al. **Avian Dis** 1984 Apr–Jun;28(2):444–52

Immune responses to viral antigens in man and their relevance to vaccine development: memorandum from a WHO meeting. **Bull WHO** 1983;61(6):935–40

Antibody to early and late antigens of herpes simplex virus type 1 in patients with oral cancer. Shillitoe EJ, et al. **Cancer** 1984 Jul 15;54(2):266–73

Nude mice injected with DNA released by antigen stimulated human T lymphocytes produce specific antibodies expressing human characteristics. Anker P, et al. **Cell Biochem Funct** 1984 Jan;2(1):33–7

Tolerance to viral antigens in Mov–13 mice carrying endogenized Moloney–murine leukemia virus. Ronchese F, et al. **Cell Immunol** 1984 Feb;83(2):379–88

EGNA–specific LIF production of human lymphocyte subsets. Szigeti R, et al. **Cell Immunol** 1984 Jan;83(1):136–41

A poliovirus type 1 neutralization epitope is located within amino acid residues 93 to 104 of viral capsid polypeptide VP1. Wychowski C, et al. **EMBO J** 1983;2(11):2019–24

Blastogenic response of lymphocytes derived from patients with hematopoietic malignancies to antigens of a type C retrovirus isolated from a Burkitt's lymphoma cell line. Schwarzbard Z, et al. **Eur J Cancer Clin Oncol** 1983 Oct; 19(10):1411–20

Human cytomegalovirus–specific cytotoxic T lymphocytes: requirements for in vitro generation and specificity. Borysiewicz LK, et al. **Eur J Immunol** 1983 Oct; 13(10):804–9

The cytolytic T lymphocyte response to the murine cytomegalovirus. II. Detection of virus replication stage–specific antigens by separate populations of in vivo active cytolytic T lymphocyte precursors. Reddehase MJ, et al. **Eur J Immunol** 1984 Jan;14(1):56–61

Recognition of autologous lymphoblastoid cells by cloned human T cells: inhibition of cytotoxicity by anti–HLA antibody but not by antibody to Epstein–Barr virus induced cell surface antigen. Hank JA, et al. **Hum Immunol** 1984 Apr;9(4):211–9

Analysis of the antigen specificity of influenza haemagglutinin–immune human T lymphocyte clones: identification of an immunodominant region for T cells. Lamb JR, et al. **Immunology** 1983 Dec;50(4):659–66

The sensitization of mice with a wild–type and cold–adapted variant of influenza A virus. II. Secondary cytotoxic T cell responses. Mak NK, et al. **Immunology** 1984 Feb; 51(2):407–16

Role of accessory cells in in vitro stimulation of rabbit lymphocytes by herpes simplex antigens: evidence for proliferation of DH cells. Kapoor AK, et al. **Indian J Exp Biol** 1983 May;21(5):294–6

Antigenic relatedness of two strains of hepatitis A virus determined by cross–neutralization. Lemon SM, et al. **Infect Immun** 1983 Oct;42(1):418–20

Humoral immune response to Epstein–Barr virus antigens and immunoglobulin allotypes in African Burkitt lymphoma patients. Biggar RJ, et al. **Int J Cancer** 1984 May 15;33(5):577–80

A population–based case–control study of EBV and other viral antibodies among persons with Hodgkin's disease and their siblings. Evans AS, et al. **Int J Cancer** 1984 Aug 15; 34(2):149–57

In vitro antibody–dependent cellular cytotoxicity against human T–cell leukemia/lymphoma virus (HTLV)–producing cells. Miyakoshi H, et al. **Int J Cancer** 1984 Mar 15;33(3):287–91

Increased antibody responses to Herpes virus papio (HVP) antigens in pre–lymphomatous baboons (Papio hamadryas) of the Sukhumi high lymphoma stock. Voevodin AF, et al. **Int J Cancer** 1983 Nov 15;32(5):637–9

Comparison of Festuca leaf streak virus antigens with those of three other rhabdoviruses infecting the Gramineae. Lundsgaard T. **Intervirology** 1984;22(1):50–5

Multiple antigens related to the major envelope glycoprotein of murine leukemia virus expressed on B16 melanoma cells as targets of host immune response. Stackpole CW, et al. **Invasion Metastasis** 1984;4(1):28–46

Results of field trials with a pseudorabies virion skin test antigen. Crandell RA, et al. **J Am Vet Med Assoc** 1984 Mar 15;184(6):692–4

The evaluation of a physical method for the quantification of inactivated poliovirus particles and its relationship to D–antigenicity and potency testing in rats. Doel TR, et al. **J Biol Stand** 1984 Jan;12(1):93–9

In vitro growth inhibition of murine leukemia cells by antibody specific for the major envelope glycoprotein (gp71) of Friend leukemia virus. Genovesi EV, et al. **J Cell Physiol** 1983 Nov;117(2):215–29

Humoral and cell–mediated immune responses to herpesvirus antigens during pregnancy—a longitudinal study. Kumar A, et al. **J Clin Immunol** 1984 Jan;4(1):12–7

Cell–mediated immunity to cytomegalovirus (CMV) and herpes simplex virus (HSV) antigens in the acquired immune deficiency syndrome: interleukin–1 and interleukin–2 modify in vitro responses. Sheridan JF, et al. **J Clin Immunol** 1984 Jul;4(4):304–11

Efficient coating of the solid phase with rotavirus antigens for enzyme–linked immunosorbent assay of immunoglobulin A antibody in feces. Inouye S, et al. **J Clin Microbiol** 1984 Feb;19(2):259–63

Detection of antibodies to Epstein–Barr virus capsid antigen by immune adherence hemagglutination. Lennette ET, et al. **J Clin Microbiol** 1982 Jan;15(1):69–73

Rapid detection of antibodies against cytomegalovirus induced immediate early and early antigens by an enzyme linked immunosorbent assay. Musiani M, et al. **J Clin Pathol** 1984 Feb;37(2):122–5

Human malignant and mitogen–transformed cells contain retroviral P15E–related antigen. Cianciolo GJ, et al. **J Exp Med** 1984 Mar 1;159(3):964–9

In vivo effector function of influenza virus–specific cytotoxic T lymphocyte clones is highly specific. Lukacher AE, et al. **J Exp Med** 1984 Sep 1;160(3):814–26

The influenza A virus nucleoprotein gene controls the induction of both subtype specific and cross–reactive cytotoxic T cells. Townsend AR, et al. **J Exp Med** 1984 Aug 1;160(2):552–63

Antigen–specific suppression of delayed type hypersensitivity to murine cytomegalovirus in MCMV–infected mice. Chong KT, et al. **J Gen Virol** 1983 Nov;64 (Pt 11):2433–9

Location of an immunizing determinant within polypeptide VP1 of type O aphthovirus. Haresnape JM, et al. **J Gen Virol** 1983 Nov;64 (Pt 11):2357–65

Four independent antigenic determinants on the capsid polypeptides of aphthovirus. Haresnape JM, et al. **J Gen Virol** 1983 Nov;64 (Pt 11):2345–55

Antigenic characteristics and genome composition of a naturally occurring recombinant influenza virus isolated from a pig in Japan. Nerome K, et al. **J Gen Virol** 1983 Dec;64 (Pt 12):2611–20

Evidence that avian tumour virus–immune chicken sera recognize only viral structural antigens on the surface of avian tumour virus–infected cells. Qualtiere LF, et al. **J Gen Virol** 1983 Nov;64 (Pt 11):2387–97

Monoclonal antibodies to the major capsid protein of human papillomavirus type 1. Roseto A, et al. **J Gen Virol** 1984 Aug;65 (Pt 8):1319–24

Monoclonal antibodies reactive with different sites of N and H antigenic particles of poliovirus. Taniguchi K, et al. **J Gen Virol** 1983 Dec;64 (Pt 12):2803–8

Evidence for several unrelated neutralization epitopes of poliovirus, type 1, strain Mahoney, provided by neutralization tests and quantitative enzyme–linked immunosorbent assay (ELISA). Uhlig H, et al. **J Gen Virol** 1983 Dec;64 (Pt 12):2809–12

Human sera possess a limited antibody repertoire to influenza neuraminidase antigenic variants selected in vitro. Natali A, et al. **J Hyg (Lond)** 1984 Apr;92(2):243–50

Functional activity in vivo of effector T cell populations. II. Anti–tumor activity exhibited by syngeneic anti–MoMULV–specific cytolytic T cell clones. Engers HD, et al. **J Immunol** 1984 Sep;133(3):1664–70

Heterogeneity of infection enhancement of dengue 2 strains by monoclonal antibodies. Halstead SB, et al. **J Immunol** 1984 Mar;132(3):1529–32

Monoclonal antibodies as functional probes of the HN glycoprotein of Newcastle disease virus: antigenic

separation of the hemagglutinating and neuraminidase sites. Iorio RM, et al. **J Immunol** 1984 Oct;133(4):2215–9

Recognition of herpes simplex virus antigens on the surface of mouse cells of the H-2b haplotype by virus-specific cytotoxic T lymphocytes. Jennings SR, et al. **J Immunol** 1984 Jan;132(1):475–81

Cloned cytotoxic T lymphocytes recognize cells expressing discrete fragments of the SV40 tumor antigen. O'Connell KA, et al. **J Immunol** 1984 Feb;132(2):953–8

Humoral antibody response to individual viral proteins after murine cytomegalovirus infection. Selgrade MK, et al. **J Immunol** 1983 Dec;131(6):3032–5

Identification of a glycoprotein, gp21, of adult T cell leukemia virus by monoclonal antibody. Sugamura K, et al. **J Immunol** 1984 Jun;132(6):3180–4

Antigen-stimulated human B cell clones are committed to the production of a single class of antibody in vitro. Yarchoan R, et al. **J Immunol** 1984 Jun;132(6):2696–9

Biotin-labeled antigen sandwich enzyme-linked immunosorbent assay (BLA-S-ELISA) for the detection of Japanese encephalitis antibody in human and a variety of animal sera. Chang HC, et al. **J Immunol Methods** 1984 Sep 4;72(2):401–9

A simple method for immune analysis of proteins following sodium dodecyl sulphate polyacrylamide gel electrophoresis. Cleator GM, et al. **J Immunol Methods** 1984 Mar 16;67(2):347–51

Enzyme-linked immunosorbent assay for IgG antibodies to Epstein-Barr virus-associated early antigens and viral capsid antigen. Dölken G, et al. **J Immunol Methods** 1984 Mar 16;67(2):225–33

Detection of IgA antibodies to Epstein-Barr virus-associated antigens by ELISA. Dölken G, et al. **J Immunol Methods** 1984 Mar 30;68(1-2):331–9

A method for testing the specificity of influenza A virus-reactive memory cytotoxic T lymphocyte (CTL) clones in limiting dilution cultures. Kees U, et al. **J Immunol Methods** 1984 Apr 27;69(2):215–27

A sensitive enzyme-linked immunosorbent assay (ELISA) against the major EBV-associated antigens. I. Correlation between ELISA and immunofluorescence titers using purified antigens. Luka J, et al. **J Immunol Methods** 1984 Feb 24;67(1):145–56

Relative titers of antibodies to individual polypeptide antigens of herpes simplex virus type 1 in human sera. Eberle R, et al. **J Infect Dis** 1983 Sep;148(3):436–44

Serotypic similarity and diversity of rotaviruses of mammalian and avian origin as studied by plaque-reduction neutralization. Hoshino Y, et al. **J Infect Dis** 1984 May; 149(5):694–702

Biologic and immunologic characterization of the soluble skin-test antigen of varicella-zoster virus. Shiraki K, et al. **J Infect Dis** 1984 Apr;149(4):501–4

Antigenic characteristics of isolates associated with a new epizootic of raccoon rabies in the United States. Smith JS, et al. **J Infect Dis** 1984 May;149(5):769–74

Determination by immune adherence HA of the antigenic relationship between Rattus- and Apodemus-borne viruses causing hemorrhagic fever with renal syndrome. Sugiyama K, et al. **J Infect Dis** 1984 Mar;149(3):472

An electron microscope study of three-component immune complexes. Almeida JD, et al. **J Med Virol** 1984; 13(3):301–12

Comparative immunogenicity studies on Epstein-Barr virus membrane antigen (MA) gp340 with novel adjuvants in mice, rabbits, and cotton-top tamarins. Morgan AJ, et al. **J Med Virol** 1984;13(3):281–92

Class-specific antibody responses to early and late antigens of varicella and herpes simplex viruses. Schmidt NJ, et al. **J Med Virol** 1984;13(1):1–12

Observations on the responses of synovial lymphocytes to viral antigens in rheumatoid arthritis and Reiter's syndrome. Ford DK, et al. **J Rheumatol** 1983 Aug; 10(4):643–6

Cell-mediated cytotoxicity against targets bearing Sendai virus glycoproteins in the absence of viral infection. Abidi TF, et al. **J Virol** 1984 May;50(2):380–6

Influenza virus-induced immune complexes suppress alveolar macrophage phagocytosis. Astry CL, et al. **J Virol** 1984 May;50(2):287–92

Comparison of the major antigenic determinants of different serotypes of foot-and-mouth disease virus. Cheung A, et al. **J Virol** 1983 Nov;48(2):451–9

Localization and synthesis of an antigenic determinant of herpes simplex virus glycoprotein D that stimulates the production of neutralizing antibody. Cohen GH, et al. **J Virol** 1984 Jan;49(1):102–8

Development of antibody to measles virus polypeptides during complicated and uncomplicated measles virus infections. Graves M, et al. **J Virol** 1984 Feb;49(2):409–12

Human adenovirus 2 E1B-19K and E1B-53K tumor antigens: antipeptide antibodies targeted to the NH2 and COOH termini. Green M, et al. **J Virol** 1983 Dec;48(3):604–15

Monoclonal antibodies to newcastle disease virus: delineation of four epitopes on the HN glycoprotein. Iorio RM, et al. **J Virol** 1983 Nov;48(2):440–50

Antigenic characterization of influenza A virus matrix protein with monoclonal antibodies. van Wyke KL, et al. **J Virol** 1984 Jan;49(1):248–52

Enzyme immunoassay for antibodies to membrane associated antigen of varicella zoster virus. Cox JC, et al. **J Virol Methods** 1984 Feb;8(1-2):137–45

Use of the cross-reactivity with hepatitis B virus antigens and antibodies for the demonstration of a woodchuck hepatitis virus 'e' antigen-antibody system. Hantz O, et al. **J Virol Methods** 1983 Jul;7(1):45–55

The use of an enzyme-linked immunosorbent assay to detect IgG antibodies to serotype-specific and group-specific antigens of fowl adenovirus serotypes 2, 3 and 4. Mockett AP, et al. **J Virol Methods** 1983 Dec;7(5-6):327–35

Skin reactions to vaccinia virus infection in the rabbits immunized with vaccinia-soluble early antigen. Yuasa T, et al. **Jpn J Med Sci Biol** 1983 Jun;36(3):147–56

Effects of 5-iodo-2'-deoxyuridine on ultrastructural localization of viral antigens in cultured cells infected with herpes simplex virus. Yoshida H, et al. **Jpn J Ophthalmol** 1983;27(2):321–39

Screening for nasopharyngeal carcinoma [editorial] **Lancet** 1984 Jul 7;2(8393):20–2

Antigenic and biochemical characterization of poliovirus type 1 isolates of non-vaccine origin. Hara M, et al. **Microbiol Immunol** 1983;27(12):1057–65

Type-specific and cross-reactive antigenicity of capsid proteins VP1 and VP2 of echovirus type 7. Hasegawa A, et al. **Microbiol Immunol** 1983;27(10):869–76

'Original antigenic sin' phenomenon in experimental flavivirus infections of guinea pigs: studies by enzyme-linked immunosorbent assay. Inouye S, et al. **Microbiol Immunol** 1984;28(5):569–74

Electron microscopic examination of the reactivity of three kinds of neutralizing antibodies with H particles of poliovirus. Taniguchi K, et al. **Microbiol Immunol** 1983; 27(7):645–8

Response of calves previously inoculated with inactivated herpes simplex virus to challenge exposure with Bovid herpesvirus 2. Castrucci G, et al. **Microbiologica** 1984 Apr; 7(2):171–8

Protein kinase activities in immune complexes of simian virus 40 large T-antigen and transformation-associated cellular p53 protein. Van Roy F, et al. **Mol Cell Biol** 1984 Feb; 4(2):232–9

A viral coat glycoprotein (gp52MuMTV) has detergent-sensitive and detergent-resistant epitopes in the same molecule. Manson LA, et al. **Mol Immunol** 1983 Nov; 20(11):1237–9

Effects of subtype variations in the Holland strain of infectious bronchitis virus when applied as a vaccine. Winterfield RW, et al. **Poult Sci** 1984 Feb;63(2):246–50

Antibodies against a synthetic peptide identify the Epstein-Barr virus-determined nuclear antigen. Dillner J, et al. **Proc Natl Acad Sci USA** 1984 Aug;81(15):4652–6

Use of peptide synthesis to probe viral antigens for epitopes to a resolution of a single amino acid. Geysen HM, et al. **Proc Natl Acad Sci USA** 1984 Jul;81(13):3998–4002

Human T-cell leukemia virus-associated membrane antigens: identity of the major antigens recognized after virus infection. Lee TH, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(12):3856–60

Murine monoclonal antibody to a single protein neutralizes the infectivity of human cytomegalovirus. Rasmussen LE, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(3):876–80

HCMV envelope antigens induce both humoral and cellular immunity in guinea pigs. Furukawa T, et al. **Proc Soc Exp Biol Med** 1984 Feb;175(2):243–50

Subacute sclerosing panencephalitis: are antigenic changes involved in measles virus persistence? Carter MJ, et al. **Prog Brain Res** 1983;59:163–71

Immunohistological studies of immunoglobulin-containing cells and viral antigens in some inflammatory diseases of the nervous system. Esiri MM. **Prog Brain Res** 1983; 59:209–19

Antigenic modulation: a mechanism of viral persistence. Fujinami RS, et al. **Prog Brain Res** 1983;59:105–11

Paramyxovirus and morbillivirus infections and their relationship to neurological disease. Russell WC. **Prog Brain Res** 1983;59:113–32 (60 ref.)

Absence of cross-reactive antibodies to myelin and viral antigens in multiple sclerosis. Bernard CC, et al. **Prog Clin Biol Res** 1984;146:215–22

The science base underlying research on acquired immune deficiency syndrome. Taube S, et al. **Public Health Rep** 1983 Nov-Dec;98(6):559–65 (23 ref.)

Biologically active epitopes of bovine leukemia virus glycoprotein gp51: their dependence on protein glycosylation and genetic variability. Bruck C, et al. **Virology** 1984 Jul 15;136(1):20–31

Analysis of proteins, helper dependence, and seroepidemiology of a new human parvovirus. Georg-Fries B, et al. **Virology** 1984 Apr 15;134(1):64–71

Antibody-induced conformational changes result in enhanced avidity of antibodies to different antigenic sites on the tick-borne encephalitis virus glycoprotein. Heinz FX, et al. **Virology** 1984 Feb;133(1):25–34

Location of immunodominant antigenic determinants on fragments of the tick-borne encephalitis virus glycoprotein: evidence for two different mechanisms by which antibodies mediate neutralization and hemagglutination inhibition. Heinz FX, et al. **Virology** 1983 Oct 30;130(2):485–501

Biological activities of monoclonal antibodies reactive with antigenic sites mapped on the G1 glycoprotein of La Crosse virus. Kingsford L, et al. **Virology** 1983 Sep;129(2):443–55

Evolution of the influenza virus neuraminidase gene during drift of the N2 subtype. Martínez C, et al. **Virology** 1983 Oct 30;130(2):539–45

Cross antigenicity among enteroviruses as revealed by immunoblot technique. Mertens T, et al. **Virology** 1983 Sep; 129(2):431–42

Antigenic structure and variation of canine parvovirus type-2, feline panleukopenia virus, and mink enteritis virus. Parrish CR, et al. **Virology** 1983 Sep;129(2):401–14

Comparative studies on antigens induced by turkey herpesvirus and Marek's disease virus. II. Immunofluorescent studies. Yachida S, et al. **Zentralbl Veterinarmed [B]** 1983 Oct;30(9):669–77

The preparation of an inactivated antigen for bluetongue serology. Yang C, et al. **Zentralbl Veterinarmed [B]** 1984 May;31(4):290–6

[Immunologic reactivity to a fraction obtained from LDV (lactate dehydrogenase viruses) in patients with long-term regressive intraocular changes] Kubát Z, et al. **Sb Lek** 1984 Jan;86(1):5–9 (Eng. Abstr.) **(Cze)**

[Role of humoral immunity in the host-virus relationship] Virelizier JL. **Presse Med** 1983 Nov 17;12(41):2583–6 **(Fre)**

[Analysis of viral capsid anti-antigen antibodies of the Epstein Barr virus in infectious mononucleosis. Comparative evaluation of a fluorescence method with classic methods] Picerno G, et al. **Quad Sclavo Diagn** 1983 Dec;19(4):489–98 (Eng. Abstr.) **(Ita)**

[Sensitivity of herpes simplex virus to murine gamma interferon] Shibayama Y, et al. **Nippon Ganka Gakkai Zasshi** 1983;87(10):958–62 (Eng. Abstr.) **(Jpn)**

[Antibodies against non-structural antigens of Epstein-Barr virus in children with infectious mononucleosis] Najberg G. **Med Dosw Mikrobiol** 1983;35(1):55–9 (Eng. Abstr.) **(Pol)**

[Humoral and cellular immunity to selected viral antigens in children from the Bełchatów Industrial Region] Stempień R, et al. **Med Dosw Mikrobiol** 1983; 35(3-4):259–68 (Eng. Abstr.) **(Pol)**

[Antibody formation and preservation against the envelope antigens of influenza virus subtype A(H3N2) after infection and vaccination] Stumpa A, et al. **Tr Inst Pastera** 1982; 59:23–8 **(Rus)**

[Type-specificity of immunity to antigens of chemical cholera vaccine in mice of different genotypes] Pavlova LP, et al. **Vestn Akad Med Nauk SSSR** 1983;(9):75–8 (Eng. Abstr.) **(Rus)**

[Use of recombinant influenza viruses for diagnostic purposes] Podcherniaeva RIa, et al. **Vopr Virusol** 1983 Jul-Aug;28(4):113–6 **(Rus)**

[Antibodies to hepatitis A and B viral antigens in commercial gamma-globulin preparations] Viazov SO, et al. **Vopr Virusol** 1983 Sep-Oct;28(5):542–5 (Eng. Abstr.) **(Rus)**

[Antigenic activity and the reactogenicity of a concentrated, purified, UV-inactivated cultured rabies vaccine] Dulina AV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Sep; (9):47–50 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of the reactogenicity and antigenic activity of Soviet inactivated influenza vaccines] Rudenko LG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Jun; (6):79–84 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Rapid purification of avian influenza virus for use in enzyme-linked immunosorbent assay. Abraham A, et al. **Am J Vet Res** 1984 May;45(5):959–62

Evidence that the alpha 2HS glycoprotein receptor and the Epstein-Barr virus nuclear antigen (EBNA) are identical. Lewis JG, et al. **FEBS Lett** 1983 Sep 19;161(2):306–10

The Epstein-Barr virus-determined nuclear antigen: a previously identified 48K component and higher-molecular-weight forms of the antigen are structurally related. Luka J, et al. **Intervirology** 1983; 20(4):213–22

Simple procedure for preparation of bluetongue virus and epizootic hemorrhagic disease virus antigens for agar gel immunodiffusion. Stott JL, et al. **J Clin Microbiol** 1983 Dec;18(6):1310–3

Improving the varicella-zoster virus: IgG radioimmunoassay procedure by the use of purified antigen. Clarke JR, et al. **J Virol Methods** 1984 Feb;8(1-2):1–8

Demonstration of viral antigen p24 in circulating immune complexes of two patients with human T-cell leukaemia/lymphoma virus (HTLV) positive lymphoma. Schüpbach J, et al. **Lancet** 1984 Feb 11;1(8372):302–5

Detection of respiratory virus antigens in nasopharyngeal secretions from patients with acute respiratory disease by radio-immunoassay and tissue culture isolation. Ehrlicher L, et al. **Med Microbiol Immunol (Berl)** 1984;173(1):37–44

Identification of Epstein-Barr nuclear antigen polypeptide in mouse and monkey cells after gene transfer with a cloned 2.9-kilobase-pair subfragment of the genome. Fischer DK, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(1):43–7

Non-A, non-B hepatitis in hemophilic patients with inhibitor treated with activated prothrombin complex concentrates: lack of correlation with an antigen possibly related to non-A, non-B hepatitis. Allain JP, et al. **Vox Sang** 1984; 47(1):47–53

[Viral characteristics and immunologic reactions of the body during adaptation of influenza virus type A to mice. II. Immunologic reactions] Loza-Tulimowska M. **Med Dosw Mikrobiol** 1984;36(1):45–53 (Eng. Abstr.) **(Pol)**

[Selection of antigenic variants of H1N1 influenza viruses by means of monoclonal antibodies] Iamnikova SS, et al. **Vopr Virusol** 1984 Mar-Apr;29(2):207-10 (Eng. Abstr.) **(Rus)**

[Isolation of virion and low-molecular nonvirion ('soluble') antigens of the tick-borne encephalitis virus by fractional precipitation with polyethylene glycol] Liapustin VN, et al. **Vopr Virusol** 1983 Jul-Aug;28(4):122-4 **(Rus)**

METABOLISM

Incorporation of lipids into variants of Moloney sarcoma virus which produce gag-mos fusion proteins. Gallick GE, et al. **Virology** 1984 Feb;133(1):228-32

PHYSIOLOGY

Antigen-dependent regulation of interleukin 2 receptor expression on cloned human cytotoxic T lymphocytes. Kaplan DR, et al. **J Immunol** 1984 Oct;133(4):1966-9

STANDARDS

A study of candidate rabies vaccines for a national reference preparation for the evaluation of antigenic potency. Ralph NM, et al. **J Biol Stand** 1983 Oct;11(4):279-88

URINE

An antigen/antibody system specific for an epidemic non-A, non-B hepatitis in patients of a cardiovascular surgical unit. Ohori H, et al. **J Med Virol** 1983;12(3):161-78

ANTIGENS, VIRAL, TUMOR

Essential contact residues within SV40 large T antigen binding sites I and II identified by alkylation-interference. Jones KA, et al. **Cell** 1984 Jan;36(1):155-62

Different structural systems of the nucleus are targets for SV40 large T antigen. Staufenbiel M, et al. **Cell** 1983 May; 33(1):173-81

Binding sites for monoclonal antibodies and for mRNPs on SV40 large T-antigen determined with a cleavage map. Schwyzer M, et al. **Eur J Biochem** 1983 Dec 1; 137(1-2):303-9

Polyomavirus large T antigen binds independently to multiple, unique regions on the viral genome. Pomerantz BJ, et al. **J Virol** 1983 Sep;47(3):600-10

Reversal of simian virus 40 small-t-antigen-induced theophylline resistance. Rundell K, et al. **J Virol** 1984 Jan; 49(1):262-4

Dynamic nature of the association of large tumor antigen and p53 cellular protein with the surfaces of simian virus 40-transformed cells. Santos M, et al. **J Virol** 1984 Jan; 49(1):50-6

DNA-binding activity of simian virus 40 large T antigen correlates with a distinct phosphorylation state. Scheidtmann KH, et al. **J Virol** 1984 Apr;50(1):1-12

Nonviable mutants of simian virus 40 with deletions near the 3' end of gene A define a function for large T antigen required after onset of viral DNA replication. Tornow J, et al. **J Virol** 1983 Sep;47(3):487-94

ANALYSIS

Immunocytochemical localization of T antigen in cells of BK virus-induced hamster brain tumor. Tsuboi M. **Acta Med Okayama** 1983 Aug;37(4):353-66

The distribution of large T antigen in simian virus 40 nucleoprotein complexes. Milthorp P, et al. **Can J Microbiol** 1984 May;30(5):622-31

Detection of T-antigen and surface antigen by immunoperoxidase staining of simian virus 40 transformed cells. Arakaki Y, et al. **Cell Mol Biol** 1983;29(5):461-3

Correlation between immune complexes and herpes simplex virus (HSV)-tumor associated antigen (TAA) in human cancer sera. Cocchiara R, et al. **Cell Mol Biol** 1983; 29(5):397-403

Clinical significance of neuraminidase, T-antigen and T-antibody determination. Zhang YQ, et al. **Chin Med J [Engl]** 1983 Jul;96(7):536-8

Common tumor-associated antigens of chemically induced mouse sarcomas expressing murine leukemia virus antigens by primary in vitro sensitization. Saito T. **Fukuoka Igaku Zasshi** 1984 Mar;75(3):137-48

Interaction of simian virus 40 with human glioma cells. Fischer H, et al. **Hum Neurobiol** 1983;2(2):59-64

Distribution of human papillomavirus antigen in cervicovaginal smears and cervical tissues. Gupta JW, et al. **Int J Gynecol Pathol** 1983;2(2):160-70

SV40-induced transformation and T-antigen production is enhanced in normal and repair-deficient human fibroblasts after pretreatment of cells with UV light. Hagedorn R, et al. **J Cancer Res Clin Oncol** 1983;106(2):93-6

Recognition by cytotoxic T lymphocytes of cells expressing fragments of the SV40 tumor antigen. Gooding LR, et al. **J Immunol** 1983 Nov;131(5):2580-6

Analysis of T antigen and viral DNA in mouse cells transformed by K virus, a nononcogenic murine papovavirus. Kanda T, et al. **J Virol** 1984 Jun;50(3):954-6

Adenovirus early region 1B 58,000-dalton tumor antigen is physically associated with an early region 4 25,000-dalton protein in productively infected cells. Sarnow P, et al. **J Virol** 1984 Mar;49(3):692-700

Tightly associated lipids may anchor SV40 large T antigen in plasma membrane. Henning R, et al. **Nature** 1983 Oct 20-26;305(5936):736-8

The immunopathology of SV40-induced transformation. Mora PT. **Springer Semin Immunopathol** 1982;5(1):7-32 (114 ref.)

T-antigen and bladder cancer [letter] Blum MD. **Urology** 1984 Sep;24(3):300

Structural comparisons of wild-type and nuclear transport-defective simian virus 40 large tumor antigens. Jarvis DL, et al. **Virology** 1984 Apr 15;134(1):168-76

Intracellular localization of adenovirus type 5 tumor antigens in productively infected cells. Rowe DT, et al. **Virology** 1983 Sep;129(2):456-68

The feline oncornavirus-associated cell membrane antigen (FOCMA) is related to, but distinguishable from, FeLV-C gp70. Snyder HW Jr, et al. **Virology** 1983 Dec; 131(2):315-27

[Antigens associated with herpes simplex viruses in human and animal tumors] Kosiakov PN, et al. **Vopr Virusol** 1984 May-Jun;29(3):326-31 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Acylated simian virus 40 large T-antigen: a new subclass associated with a detergent-resistant lamina of the plasma membrane. Klockmann U, et al. **EMBO J** 1983;2(7):1151-7

GENETICS

Activation of the SV40 late promoter: direct effects of T antigen in the absence of viral DNA replication. Keller JM, et al. **Cell** 1984 Feb;36(2):381-9

Transformation mediated by the SV40 T antigens: separation of the overlapping SV40 early genes with a retroviral vector. Kriegler M, et al. **Cell** 1984 Sep;38(2):483-91

Effect of a stem-loop structure within the SV40 replication origin upon SV40 T antigen binding to origin region sequences. Tenen DG, et al. **Cell** 1983 Sep;34(2):629-39

Expression of an mRNA coding gene under the control of an RNA polymerase I promoter. Fleischer S, et al. **EMBO J** 1983;2(12):2319-22

Localization of T-antigen on simian virus 40 minichromosomes by immunoelectron microscopy. Harper F, et al. **EMBO J** 1984 Jun;3(6):1235-41

T-antigen expression by polyoma mutants with modified RNA splicing. Nilsson SV, et al. **EMBO J** 1983; 2(12):2095-101

Extraction of SV40 T-antigen from lysates of transformed cells. Lenstra JA, et al. **FEBS Lett** 1984 Mar 12; 168(1):129-33

A functional simian virus 40 origin of replication is required for the generation of a super T antigen with a molecular weight of 100,000 in transformed mouse cells. Chen S, et al. **J Virol** 1983 Nov;48(2):492-502

Simian virus 40 mutant T antigens with relaxed specificity for the nucleotide sequence at the viral DNA origin of replication. Margolskee RF, et al. **J Virol** 1984 Feb; 49(2):386-93

Comparison of the DNA sequence of the Crawford small-plaque variant of polyomavirus with those of polyomaviruses A2 and strain 3. Rothwell VM, et al. **J Virol** 1983 Nov;48(2):472-80

Polyoma middle T antigen requires cooperation from another gene to express the malignant phenotype in vivo. Asselin C, et al. **Mol Cell Biol** 1984 Apr;4(4):755-60

Role of the three polyoma virus early proteins in tumorigenesis. Asselin C, et al. **Mol Cell Biol** 1983 Aug; 3(8):1451-9

Reacquisition of a functional early region by a mouse transformant containing only defective simian virus 40 DNA. Chen S, et al. **Mol Cell Biol** 1984 Apr;4(4):666-70

T-antigen-independent replication of polyomavirus DNA in murine embryonal carcinoma cells. Dandolo L, et al. **Mol Cell Biol** 1984 Feb;4(2):317-23

Simian virus 40 large T-antigen point mutants that are defective in viral DNA replication but competent in oncogenic transformation. Manos MM, et al. **Mol Cell Biol** 1984 Jun;4(6):1125-33

Conversion through homologous recombination of the gene encoding Simian virus 40 115,000-molecular-weight super T antigen to a gene encoding a normal-size large T antigen variant. May P, et al. **Mol Cell Biol** 1984 Jun;4(6):1141-51

DNA-binding properties of simian virus 40 T-antigen mutants defective in viral DNA replication. Prives C, et al. **Mol Cell Biol** 1983 Nov;3(11):1958-66

A frameshift mutation affecting the carboxyl terminus of the simian virus 40 large tumor antigen results in a replication- and transformation-defective virus. Lewis ED, et al. **Proc Natl Acad Sci USA** 1983 Dec;80(23):7065-9

Intracistronic complementation in the simian virus 40 A gene. Tornow J, et al. **Proc Natl Acad Sci USA** 1983 Oct; 80(20):6312-6

Asp56/LDHk in the Kirsten and Harvey sarcoma virus systems. Anderson GR, et al. **Transplant Proc** 1984 Apr; 16(2):449-51

Transforming potential of deletion mutants of the SV40 T antigen coding gene in Syrian hamster cells. Hirschhorn RR, et al. **Virology** 1984 Apr 15;134(1):220-9

Abortive transformation of rat 3Y1 cells by simian virus 40: viral function overcoming inhibition of cellular proliferation under various conditions of culture. Okuda A, et al. **Virology** 1984 Feb;133(1):35-45

[Induction of the replicative synthesis of DNA by SV40 virus T antigen introduced into cells using liposomes] Kulikov VV, et al. **Biokhimiia** 1984 May;49(5):836-41 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Strain differences in Shope fibroma virus. An immunopathologic study. Strayer DS, et al. **Am J Pathol** 1984 Aug;116(2):342-58

Tumor formation by SV40-transformed human cells in nude mice: the role of SV40 T antigens. Choi KH, et al. **Cytogenet Cell Genet** 1983;36(4):633-40

Monoclonal antibodies against simian virus 40 nuclear large T tumour antigen: epitope mapping, papova virus cross-reaction and cell surface staining. Ball RK, et al. **EMBO J** 1984 Jul;3(7):1485-91

Antibodies against a nonapeptide of polyomavirus middle T antigen: cross-reaction with a cellular protein(s). Ito Y, et al. **J Virol** 1983 Dec;48(3):709-20

Demonstration of human papilloma virus (HPV) antigens in a case of urethral condyloma. Syrjänen KJ, et al. **Scand J Urol Nephrol** 1983;17(3):267-70

T and Tn, general carcinoma autoantigens. Springer GF. **Science** 1984 Jun 15;224(4654):1198-206

ISOLATION & PURIFICATION

Nature of adult T-cell leukemia-associated membrane antigen on the surface of adult T-cell leukemia virus-carrying cells as revealed by membrane immunofluorescence. Chosa T, et al. **Microbiol Immunol** 1984;28(4):451-60

METABOLISM

Expression and cellular compartmentalization of a herpes simplex virus type 2 protein (ICP 10) in productively infected and cervical tumor cells. Aurelian L, et al. **Cancer Invest** 1983;1(4):301-13

Construction and characterization of an SV40 mutant defective in nuclear transport of T antigen. Lanford RE, et al. **Cell** 1984 Jul;37(3):801-13

The complex of polyoma virus middle-T antigen and pp60c-src. Courtneidge SA, et al. **EMBO J** 1984 Mar; 3(3):585-91

ANTIGLOBULIN CONSUMPTION TEST see **COOMBS' TEST**

ANTIGLOBULIN TEST see **COOMBS' TEST**

ANTIGLOBULINS see **ANTI-ANTIBODIES**

ANTIGRAVITY SUITS see **G SUITS**

ANTI-HBAG see **HEPATITIS B ANTIBODIES**

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ANTIHISTAMINICS see **HISTAMINE H1 RECEPTOR BLOCKADERS**

ANTI-HUMAN GLOBULIN CONSUMPTION TEST see **COOMBS' TEST**

ANTIHYPERTENSIVE AGENTS

Patterns in drug utilization--national and international aspects: antihypertensive drugs. Baksaas I. **Acta Med Scand [Suppl]** 1984;683:59-66

Extremes in drug utilization patterns. Low prescribing of antihypertensives in the District of Novi Sad, Yugoslavia. Jakovljević V, et al. **Acta Med Scand [Suppl]** 1984;683:67-9

Sympatho-adrenal mechanisms and the antihypertensive response to thiazide diuretics. Hjemdahl P. **Acta Pharmacol Toxicol (Copenh)** 1984;54 Suppl 1:43-6

The effects of magnesium sulfate infusion on blood pressure and vascular responsiveness during pregnancy. Lee MI, et al. **Am J Obstet Gynecol** 1984 Aug 1;149(7):705-8

Antihypertensive activity of tibalosine (CP 804 S) in the rat. Possible involvement of a central alpha 1-adrenergic receptor blockade. Chatelain P, et al. **Arch Int Pharmacodyn Ther** 1984 Apr;268(2):271-86

Mechanism of the hypotensive action of practolol in the anesthetized rat. Davy M, et al. **Arch Int Pharmacodyn Ther** 1983 Oct;265(2):283-92

A mechanism of tolerance to the antihypertensive effect of ganglionic blocking agents in rats. Gardier RW, et al. **Arch Int Pharmacodyn Ther** 1984 Jan;267(1):35-45

Antihypertensive activity and interaction with alpha-adrenoceptors of tibalosine ([1-(2, 3-dihydro-5-benzo-(b)-thienyl)-2-(4-phenyl-butylamino) CP 804 S) in rat and cat preparations. Qian JQ, et al. **Arch Int Pharmacodyn Ther** 1983 Dec;266(2):264-81

Biotransformation of urapidil: isolation and identification of metabolites in mouse, rat, dog and man. Sturm E, et al. **Biomed Mass Spectrom** 1984 May;11(5):211-6

Antihypertensive effect and degree of beta-adrenoceptor blockade after short-term and semi-chronic propranolol

therapy. Leenen FH, et al. **Br J Clin Pharmacol** 1984 Jun; 17(6):745–52

Mechanism of antihypertensive action of ketanserin in man [letter] Ball SG, et al. **Br Med J [Clin Res]** 1983 Oct 8; 287(6398):1065

Hypotensive actions of some analogues of platelet-activating factor (PAF) with higher potencies than natural PAF. Kasuya Y, et al. **Can J Physiol Pharmacol** 1984 Apr; 62(4):457–9

Pyrimidine derivatives. V. Structure-activity studies of antihypertensive quinazoline derivatives using the adaptive least-squares method. Sekiya T, et al. **Chem Pharm Bull (Tokyo)** 1983 Aug;31(8):2779–85

Origin of the hypotensive and sympathoinhibitory effect of morphinomimetic agents. Laubie M, et al. **Eur J Pharmacol** 1983 Aug 5;91(4):431–9

Antihypertensive profile of the angiotensin-converting enzyme inhibitors CI-906 and CI-907. Ryan MJ, et al. **Fed Proc** 1984 Apr;43(5):1330–2

Angiotensin-converting enzyme inhibitory and antihypertensive activities of pivalopril (RHC 3659-(S)). Wolf PS, et al. **Fed Proc** 1984 Apr;43(5):1322–5

Is renin a factor in the etiology of essential hypertension? Haber E, et al. **Hypertension** 1983 Nov-Dec;5(6 Pt 3):V8–15 (59 ref.)

Antihypertensive polar and neutral renopapillary lipids. Which is a hormone? Muirhead EE, et al. **Hypertension** 1983 Nov-Dec;5(6 Pt 3):V61–5

Antihypertensive effect of prizidilol. Andrén L, et al. **J Cardiovasc Pharmacol** 1983 Sep-Oct;5(5):898–900

Synthesis and antihypertensive activity of 6,7-disubstituted trans-4-amino-3,4-dihydro-2,2-dimethyl-2H-1-benzopyr Evans JM, et al. **J Med Chem** 1984 Sep;27(9):1127–31

Hypotensive effects and biotransformation of nicorandil, a new antianginal agent, administered to rats by different routes: comparison with nitroglycerin and isosorbide dinitrate. Sakai K, et al. **J Pharm Pharmacol** 1984 Mar; 36(3):175–81

On the antihypertensive mechanisms of beta-adrenoceptor antagonists in relation to intrinsic sympathomimetic activity, cardioselectivity and hydrophilicity. Man in't Veld AJ, et al. **J Pharmacol** 1983;14 Suppl 2:69–104

Antihypertensive effects of CI-907 (indolapril): a novel nonsulfhydryl angiotensin converting enzyme inhibitor. Ryan MJ, et al. **J Pharmacol Exp Ther** 1984 Feb; 228(2):312–8

Role of sympathetic nerve activity and natriuresis in the antihypertensive actions of potassium in NaCl hypertension. Fujita T, et al. **Jpn Circ J** 1983 Oct; 47(10):1227–31

The role of antihypertensive polar renomedullary lipid in the pathogenesis of hypertension. Masugi F, et al. **Jpn Circ J** 1984 Feb;48(2):196–200

High doses of aspartame reduce blood pressure in spontaneously hypertensive rats [letter] Maher TJ, et al. **N Engl J Med** 1983 Nov 3;309(18):1125

Mechanisms of converting enzyme inhibition: studies in experimental animals. Dinicolantonio R, et al. **Neth J Med** 1984;27(4):153–60

Hypotensive principles of Uncaria hooks. Endo K, et al. **Planta Med** 1983 Nov;49(3):188–90

Hypotensive actions of ephedradines, macrocyclic spermine alkaloids of Ephedra roots. Hikino H, et al. **Planta Med** 1983 Aug;48(4):290–3

[Evaluation of the efficacy of various hypotensive drugs in broad-breasted white turkeys as an experimental model of arterial hypertension with high catecholamine levels] Scannapieco G, et al. **Boll Soc Ital Biol Sper** 1983 Sep 30;59(9):1265–71 (Eng. Abstr.) **(Ita)**

[Antihypertensive action of elcatonin] Takayanagi N, et al. **Nippon Yakurigaku Zasshi** 1983 Nov;82(5):383–93 (Eng. Abstr.) **(Jpn)**

ADMINISTRATION & DOSAGE

Influence of hypotensive drug treatment on morbidity and mortality in elderly hypertensives – review of the published trials. Amery A, et al. **Acta Med Scand [Suppl]** 1983; 676:64–85 (19 ref.)

A trial of treatment of hypertension in the elderly in general practice. Coope J. **Acta Med Scand [Suppl]** 1983;676:141–50

Clinical experiences in arterial hypertension in the elderly. Storm-Mathisen H, et al. **Acta Med Scand [Suppl]** 1983; 676:186–204

The prognostic effect of antihypertensive treatment in the elderly. Strate M, et al. **Acta Med Scand [Suppl]** 1983; 676:205–16

Drinking water and drug dosage in rat studies. Jespersen LT, et al. **Acta Pharmacol Toxicol (Copenh)** 1983 Sep; 53(3):212–7

Serum glucose levels during long-term observation of treated and untreated men with mild hypertension. The Oslo study. Helgeland A, et al. **Am J Med** 1984 May;76(5):802–5

Urgent treatment of acute hypertension. Walters BN. **Br J Hosp Med** 1984 Jan;31(1):49–52

Safety and efficacy of a three-drug regimen for the treatment of hypertension: hydrochlorothiazide, propranolol, and guanadrel. Gore RD. **Clin Ther** 1983;6(1):86–93

Once-a-day therapy in patients with moderate-to-severe hypertension. McChesney JA. **J Natl Med Assoc** 1984 Jul; 76 Suppl:47–53

Hypertension in the elderly. Applegate WB, et al. **J Tenn Med Assoc** 1984 Apr;77(4):216

An appraisal of antihypertensive efficacy and adverse reactions with two drug regimens: enalapril maleate as part of triple therapy compared to conventional triple therapy in moderate to severe hypertension. Fernandez PG, et al. **Pharmatherapeutica** 1984;3(8):505–14

A comparison of timolol plus hydrochlorothiazide plus amiloride and methyldopa in essential hypertension in Black Africans. Obel AO. **Trop Geogr Med** 1983 Sep; 35(3):285–91

[Calcium antagonists in the treatment of hypertension] Yagil Y, et al. **Harefuah** 1983 Apr 1;104(7):313–4 **(Heb)**

[General management of hypertension] Nakatani T, et al. **Nippon Rinsho** 1984 Feb;42(2):404–8 **(Jpn)**

[Usefulness of nifedipine in the complex hypotensive treatment] Sznajderman M, et al. **Pol Tyg Lek** 1983 Dec 19-26;38(51-52):1659–62 (Eng. Abstr.) **(Pol)**

[Ebrantil Byk in the treatment of hypertensive crises] Markiewicz M, et al. **Wiad Lek** 1984 Jan 1;37(1):1–4 (Eng. Abstr.) **(Pol)**

[Methodologic approach to individual evaluation of the pharmacodynamic effects of single doses of hydralazine, endralazine, prazosine and propranolol in hypertension patients] Izotov AI, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1984;7(1):79–85 (Eng. Abstr.) **(Rus)**

[Mental changes in hypertensive patients during long-term ambulatory treatment] Volkov VS, et al. **Kardiologiia** 1983 Aug;23(8):30–3 (Eng. Abstr.) **(Rus)**

[Self-control of blood pressure for the purpose of increasing the effectiveness of ambulatory treatment of arterial hypertension] Zborovskil EI, et al. **Kardiologiia** 1983 Dec; 23(12):40–2 (Eng. Abstr.) **(Rus)**

[Mechanism of development and principles of treatment of malignant arterial hypertension] Almazov VA, et al. **Klin Med (Mosk)** 1983 Nov;61(11):6–11 (70 ref.) **(Rus)**

[Use of the new beta-adrenoblockader Corgard in ischemic heart disease and arterial hypertension] Ostapiuk FE, et al. **Sov Med** 1984;(5):87–9 **(Rus)**

ADVERSE EFFECTS

Ischaemic brain following emergency blood pressure lowering in hypertensive patients. Graham DI. **Acta Med Scand [Suppl]** 1983;678:61–9 (38 ref.)

Relation between drug utilization and morbidity pattern: antihypertensive drugs. Hjort PF, et al. **Acta Med Scand [Suppl]** 1984;683:89–93

Changes in the lipoprotein profile during antihypertensive therapy. Helgeland A, et al. **Acta Pharmacol Toxicol (Copenh)** 1984;54 Suppl 1:75–7

Treatment of hypertension in diabetic men: problems with sexual dysfunction. Lipson LG. **Am J Cardiol** 1984 Jan 27;53(3):46A–50A

Sexual dysfunction due to antihypertensive agents. Stevenson JG, et al. **Drug Intell Clin Pharm** 1984 Feb;18(2):113–21

Falls among elderly hypertensives—are they iatrogenic? Stegman MR. **Gerontology** 1983;29(6):399–406

Mechanism of deterioration in renal function in patients with renovascular hypertension treated with enalapril. Bender W, et al. **Hypertension** 1984 Mar-Apr;6(2 Pt 2):I193–7

Management of hypertension during lactation. White WB. **Hypertension** 1984 May-Jun;6(3):297–300 (32 ref.)

Central nervous system symptoms of elderly subjects using antihypertensive drugs. Hale WE, et al. **J Am Geriatr Soc** 1984 Jan;32(1):5–10

Blood lipid effects of antihypertensive therapy: a double-blind comparison of the effects of methyldopa and propranolol. Leon AS, et al. **J Clin Pharmacol** 1984 May-Jun;24(5-6):209–17

Blood lipids and antihypertensive drugs. The Oslo study. Leren P, et al. **J Pharmacol** 1983;14 Suppl 2:217–20

Parkinson's disease on treatment with Viskaldix [letter] Lervy B. **J R Coll Gen Pract** 1984 Mar;34(260):184

Intellectual performance in hypertensive patients [editorial] **Lancet** 1984 Jan 14;1(8368):87

How should hypertension during pregnancy be managed? An internist's approach. Ferris TF. **Med Clin North Am** 1984 Mar;68(2):491–503 (44 ref.)

An analysis of the HDFP trial. Evidence of adverse effects of antihypertensive treatment on white women with moderate and severe hypertension. Schnall PL, et al. **NY State J Med** 1984 Jun;84(6):299–301

[Changes in lipids and lipoproteins caused by the beta-blocking agents used as antihypertensives] Rouffy J, et al. **J Pharmacol** 1983;14 Suppl 2:183–99 (64 ref.) (Eng. Abstr.) **(Fre)**

[Hypertension and iatrogenic impotence: should we speak about it with our patients?] Lefebvre JM. **LARC Med** 1984 May;4(5):304–5 **(Fre)**

[Adverse effects of antihypertensive treatment in aged subjects in an internal medicine unit. Retrospective 3-year study] Philippe P, et al. **Therapie** 1983 Sep-Oct;38(5):495–9 (Eng. Abstr.) **(Fre)**

[Reproducibility of acute captopril-induced renal insufficiency with enalapril] Cremer W. **Klin Wochenschr** 1984 Jan 2;62(1):43–5 (Eng. Abstr.) **(Ger)**

[Fitness to drive under therapy with antihypertensive agents] Harms D. **MMW** 1983 Nov 11;125(45):1022–4 (11 ref.) **(Ger)**

[The centrally acting antihypertensive drug guanfacine. Effect on lung function and circulatory parameters in hypertensive patients with bronchial asthma] Dorow P, et al. **ZFA (Stuttgart)** 1983 Sep 30;59(27):1520–4 **(Ger)**

[Cardiovascular diseases and clinical laboratory examination. (4). Metabolic abnormalities in hypertension and their modification by antihypertensive drugs] Ebihara A. **Rinsho Byori** 1983 Oct;31(10):1073–7 (18 ref.) **(Jpn)**

[Complications after change of vasodilators in the treatment of hypertension] Aberg H. **Lakartidningen** 1983 Dec 14; 80(50):4895–6 **(Swe)**

ANALYSIS

Gas chromatographic determination of a diuretic-antihypertensive agent, (+/-)-[[6,7-dichloro-2-(4-fluorophenyl)-2-methyl-1-oxo oxy]acetic acid, in biological fluids. Weidner LL, et al. **J Pharm Sci** 1984 Feb;73(2):268–70

BLOOD

Pharmacokinetics and pharmacodynamics of trimazosin in man. Reid JL, et al. **Am Heart J** 1983 Nov;106(5 Pt 2):1222–8

Liquid-chromatographic determination of an angiotensin converting enzyme inhibitor, CGS 13945, and its active metabolite (CGS 13934) in plasma. Rakhit A, et al. **Clin Chem** 1984 Jul;30(7):1237–9

Determination of a new antihypertensive agent (2R,4R)-2-(2-hydroxyphenyl)-3-(3-mercaptopropionyl)-thiazolidinecarboxylic acid in blood by high-performance liquid chromatography with electrochemical detection. Shimada K, et al. **J Pharm Sci** 1984 Jan;73(1):119–21

CHEMICAL SYNTHESIS

Synthesis and antihypertensive activity of some 3-substituted 4H-1,2,4-triazoles. Emilsson H, et al. **Acta Pharm Suec** 1983;20(6):419–32

Synthesis and antihypertensive activity of some derivatives of diaminoguanidine and 3-hydrazino-4H-1,2,4-triazoles. Emilsson H, et al. **Acta Pharm Suec** 1983;20(3):161–80

Synthesis and antihypertensive activity of some hydrazones of 3-hydrazino-4H-1,2,4-triazole. Emilsson H, et al. **Acta Pharm Suec** 1983;20(5):341–8

Antihypertensive ergolinepropionamides. Bernardi L, et al. **Arzneimittelforsch** 1983;33(8):1094–8

A new class of antihypertensive neutral lipid: 1-alkyl-2-acetyl-sn-glycerols, a precursor of platelet activating factor. Blank ML, et al. **Biochem Biophys Res Commun** 1984 Jan 13;118(1):344–50

Synthesis and biological activities of 3-aminomethyl-1,2-dihydronaphthalene derivatives. Itoh K, et al. **Chem Pharm Bull (Tokyo)** 1983 Jun;31(6):2006–15

New antihypertensive agents. III. Synthesis and antihypertensive activity of some arylalkyl piperidines carrying a heterocycle at the 4-position. Obase H, et al. **Chem Pharm Bull (Tokyo)** 1983 Sep;31(9):3186–97

Esters and N-substituted urethanes of 6-cis-dimethylamino-1,3,3-trimethyl-2-oxabicyclo[2.2.2]o with hypotensive and other activities. Bondavalli F, et al. **Farmaco [Sci]** 1984 Jan;39(1):35–43

Derivatives of 1,3,3-trimethyl-6-azabicyclo[3.2.1]octane with hypotensive activity. I. Mariani E, et al. **Farmaco [Sci]** 1983 Sep;38(9):653–63

Derivatives of 4,5,6,7-tetrahydro-7,8,8-trimethyl-3-phenylamino-4,7-me azo le with hypotensive and hypoglycemic activities. II. Ranise A, et al. **Farmaco [Sci]** 1984 Mar;39(3):200–7

Derivatives of 1,3,3-trimethyl-6-azabicyclo[3.2.1]octane with hypotensive activity. II. Ranise A, et al. **Farmaco [Sci]** 1983 Nov;38(11):884–92

Synthesis and pharmacological activity of some 2,3-dihydro-1,4-benzodioxin and 1,3-benzodioxol derivatives, as cyclic analogs of isoxsuprine. Salimbeni A, et al. **Farmaco [Sci]** 1983 Aug;38(8):571–83

Synthesis of potential antihypertensive compounds: N-(4,5-dihydroimidazol-2-yl-amino)pyrroles. Trani A, et al. **Farmaco [Sci]** 1983 Dec;38(12):940–9

Antihypertensives. N-1H-Pyrrol-1-yl-3-pyridazinamines. Bellasio E, et al. **J Med Chem** 1984 Aug;27(8):1077–83

Synthesis and antihypertensive activity of a series of spiro[1,3,4,6,7,11b-hexahydro-2H-benzo[a]quinolizine-2,5' Caroon JM, et al. **J Med Chem** 1983 Oct;26(10):1426–33

2,3-dihydro-3-(1-pyrryl)spiro[benzofuran-2,4'-piperidine] and 2,3-dihydro-3-(1-pyrryl)spiro[benzofuran-2,3'-pyrrolidin novel antihypertensive agents. Davis L, et al. **J Med Chem** 1983 Oct;26(10):1505–10

Synthesis and antihypertensive activity of substituted trans-4-amino-3,4-dihydro-2,2-dimethyl-2H-1-benzopyr Evans JM, et al. **J Med Chem** 1983 Nov;26(11):1582–9

Synthesis and antihypertensive activity of some new quinazoline derivatives. Honkanen E, et al. **J Med Chem** 1983 Oct;26(10):1433–8

(+/-)-4-Aryl-4,5-dihydro-3H-1,3-benzodiazepines. 3. 2-Phenyl and 2-amino analogues as potential antihypertensive agents. Setescak LL, et al. **J Med Chem** 1984 Mar;27(3):401–4

Synthesis and antihypertensive activity of 5-O-substituted derivatives of 5-hydroxypicolinic acid. Hachisu M, et al. **J Pharmacobiodyn** 1983 Dec;6(12):922–31

Synthesis of benzofurancarboxylic acids and their aminoesters, potential circulatory drugs. Zawadowski T, et al. **Pol J Pharmacol Pharm** 1982 Nov-Dec; 34(5-6):433–40

DIAGNOSTIC USE

[Water-electrolyte and hemodynamic aspects of the lasix test in patients with various courses of hypertension] Kharchenko VI, et al. **Kardiologiia** 1983 Dec;23(12):32–9 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Absence of cross-reactivity between captopril and enalapril [letter] Navis GJ, et al. **Lancet** 1984 May 5;1(8384):1017

ISOLATION & PURIFICATION

Mechanism of the hypotensive effect of scopoletin isolated from the fruit of Tetrapleura tetraptera. Ojewole JA, et al. **Planta Med** 1983 Sep;49(1):46–50

[Gas chromatographic separation of the diastereomers of labetalol as n-butylboronate] Goromaru T, et al. **Yakugaku Zasshi** 1983 Sep;103(9):974–8 (Eng. Abstr.) **(Jpn)**

METABOLISM

Pharmacokinetics of a sustained-release trimazosin tablet formulation. Flouvat B, et al. **Am Heart J** 1983 Nov;106(5 Pt 2):1228–34

[Disposition of 14C-cycleanine dimethoiodide in rats] Zhang ZD, et al. **Chung Kuo Yao Li Hsueh Pao** 1983 Dec; 4(4):242–4 (Eng. Abstr.) **(Chi)**

[Pharmacokinetics of antihypertensive drugs in kidney and liver diseases] Knauf H, et al. **MMW** 1983 Nov 11; 125(45):1037–40 (6 ref.) (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Effects of dauricine on the dose-response relationship of isoproterenol and calcium and on the electro-mechanical activity in cat papillary muscles. Li GR, et al. **Acta Acad Med Wuhan** 1984;4(2):85–9

Effects of dauricine on the physiologic properties of myocardium. Li GR, et al. **Acta Acad Med Wuhan** 1984; 4(2):82–4

Effects of antihypertensive drugs on the cerebral circulation. Barry DI, et al. **Acta Med Scand [Suppl]** 1983;677:143–7

The effect of chronic hypertension and antihypertensive drugs on the cerebral circulation. Barry DI, et al. **Acta Med Scand [Suppl]** 1983;678:37–42

Renal effects of antihypertensive drugs in elderly hypertensives. O'Malley K, et al. **Acta Med Scand [Suppl]** 1983;676:110–6

Cerebral blood flow and antihypertensive drugs in the elderly. Strandgaard S. **Acta Med Scand [Suppl]** 1983; 676:103–9

Effect of a novel antihypertensive agent, OR H3088, in the conscious goat. Eriksson L, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Feb;54(2):158–60

Effects of antihypertensive treatment on peripheral flow of the lower limbs. Pinto A, et al. **Adv Exp Med Biol** 1984; 164:283–97

Haemodynamic and antihypertensive effect of prostacyclin. Szczeklik A, et al. **Adv Exp Med Biol** 1984;164:299–305

Effects of trimazosin and prazosin on blood pressure and on pressor responses to phenylephrine in rats. Constantine JW, et al. **Am Heart J** 1983 Nov;106(5 Pt 2):1216–21

Antihypertensives and their impact on renal function. Wallin JD. **Am J Med** 1983 Oct 17;75(4A):103–8

Stimulation of cAMP accumulation and lipolysis in hamster adipocytes with forskolin. Schimmel RJ. **Am J Physiol** 1984 Jan;246(1 Pt 1):C63–8

Enalapril and hypertension [letter] Cohen LM, et al. **Am J Psychiatry** 1984 Aug;141(8):1012–3

Antiadrenergic antihypertensive drugs: their effect on renal function. Bernstein KN, et al. **Annu Rev Pharmacol Toxicol** 1984;24:105–20 (74 ref.)

Activation of renal adenylate cyclase by forskolin: assessment of enzymatic activity in animal models of the secondary hyperparathyroid state. Forte LR. **Arch Biochem Biophys** 1983 Sep;225(2):898–905

A kinetic analysis of activation of smooth muscle adenylate cyclase by forskolin. Krall JF. **Arch Biochem Biophys** 1984 Mar;229(2):492–7

Effects of N-(4-azo-endo-tricyclo [5.2.1.0(2.6)]-decan-4-yl)-4-chloro-3-sulfamoylbenzamide (E 614; tripamide) on ganglionic transmission in the superior cervical ganglion of the guinea-pig. Kawamura T, et al. **Arch Int Pharmacodyn Ther** 1984 Jun; 269(2):187–200

Cardiovascular effects of a new antihypertensive agent in several species. Salvati P, et al. **Arzneimittelforsch** 1983; 33(8):1098–106

New antihypertensive drugs. Angiotensin converting enzyme inhibitors and calcium antagonists. Johnston CI. **Aust Fam Physician** 1984 Apr;13(4):278–83

Pertussis toxin blocks somatostatin's inhibition of stimulated cyclic AMP accumulation in anterior pituitary tumor cells. Reisine TD, et al. **Biochem Biophys Res Commun** 1983 Sep 30;115(3):794–9

Activation of prostacyclin synthesis in cultured aortic smooth muscle cells by 'diuretic-antihypertensive' drugs. Dorian B, et al. **Biochem Pharmacol** 1984 Jul 15;33(14):2265–9

Effects of forskolin on androgen production by mouse interstitial cells in vitro. Interactions with luteinizing hormone and isoproterenol. Moger WH, et al. **Biol Reprod** 1983 Nov;29(4):932–7

Haemodynamic and humoral responses to chronic ketanserin treatment in essential hypertension. Fagard R, et al. **Br Heart J** 1984 Feb;51(2):149–56

Pulmonary effects in man of oral prizidilol hydrochloride (SK&F 92657), a new antihypertensive agent. Edmondstone WM, et al. **Br J Clin Pharmacol** 1983 Dec; 16(6):591–8

Comparison of the effects of prizidilol and propranolol on renal haemodynamics at rest and during exercise. Malini PL, et al. **Br J Clin Pharmacol** 1984 Mar;17(3):251–5

Mechanism of antihypertensive action of ketanserin in man [letter] Schalekamp MA, et al. **Br Med J [Clin Res]** 1983 Oct 29;287(6401):1300–1

Antihypertensive effects of L-tryptophan are not mediated by brain serotonin. Wolf WA, et al. **Brain Res** 1984 Mar 19;295(2):356–9

Blood pressure response and renin release following 4 days of treatment with dihydralazine and urapidil in conscious dogs. Bacher S, et al. **Cardiovasc Res** 1984 Feb;18(2):67–74

Analysis of the hypotensive effects of medroxalol and its enantiomers, MDL 17,330A and MDL 17,331A. Hancock AA. **Clin Exp Hypertens [A]** 1984;6(3):659–84

Mechanism for hypotensive action of angiotensin converting enzyme inhibitors. Johnston CI, et al. **Clin Exp Hypertens [A]** 1984;6(1-2):551–61

Immediate hemodynamic changes produced by urapidil in normotensive and spontaneously hypertensive rats. Kobrin I, et al. **Clin Exp Hypertens [A]** 1984;6(3):685–97

Studies on the mechanism of action of the hypotensive effect of ketanserin. Marwood JF, et al. **Clin Exp Pharmacol Physiol** 1984 Mar-Apr;11(2):125–32

Clinical and systemic hemodynamic effects of nitrendipine. Fouad FM, et al. **Clin Pharmacol Ther** 1984 Jun; 35(6):768–75

The ocular hypotensive action of SK&F 86466 in the conscious rabbit. Matthews WD, et al. **Curr Eye Res** 1984 May;3(5):737–42

Antihypertensive effect of indapamide with special emphasis on renal prostaglandin production. LeBel M, et al. **Curr Med Res Opin** 1983;8 Suppl 3:81–6

Effects of antihypertensive drugs on endocrine function. Brass EP. **Drugs** 1984 May;27(5):447–58 (136 ref.)

Forskolin increases 1,25-dihydroxyvitamin D3 production by rat renal slices in vitro. Armbrecht HJ, et al. **Endocrinology** 1984 Feb;114(2):644–9

Human pancreatic tumor growth hormone (GH) - releasing factor and cyclic adenosine 3',5'- monophosphate evoke GH release from anterior pituitary cells: the effects of pertussis toxin, cholera toxin, forskolin, and cycloheximide. Cronin MJ, et al. **Endocrinology** 1984 Mar;114(3):904–13

Difference in calcium requirements for forskolin-induced release of prolactin from normal pituitary cells and GH4C1 cells in culture. Delbeke D, et al. **Endocrinology** 1984 Apr; 114(4):1433–40

Hormone-independent activation of adenylate cyclase in large steroidogenic ovine luteal cells does not result in increased progesterone secretion. Hoyer PB, et al. **Endocrinology** 1984 Feb;114(2):604–8

Forskolin stimulates adenylate cyclase activity, adenosine 3',5'-monophosphate production and peptide release from the intermediate lobe of the rat pituitary gland. Miyazaki K, et al. **Endocrinology** 1984 Mar;114(3):761–6

Induction of granulosa cell differentiation by forskolin: stimulation of adenosine 3',5'-monophosphate production, progesterone synthesis, and luteinizing hormone receptor expression. Ranta T, et al. **Endocrinology** 1984 Mar; 114(3):845–50

Hypotensive mechanisms of beta blockers. Conway J. **Eur Heart J** 1983 Jul;4 Suppl D:43–51 (56 ref.)

Pharmacokinetics and hypotensive effect in healthy volunteers of pinacidil, a new potent vasodilator. Ward JW, et al. **Eur J Clin Pharmacol** 1984;26(5):603–8

Mechanism(s) of the hypotensive effect of synthetic 1-O-octadecyl-2-O-acetyl-glycero-3-phosphorylcholine. Kamitani T, et al. **Eur J Pharmacol** 1984 Mar 2; 98(3-4):357–66

Enalapril, a new nonsulfhydryl angiotensin converting enzyme inhibitor, does not potentiate morphine analgesia. Mojaverian P, et al. **Eur J Pharmacol** 1984 Feb 17; 98(2):303–6

Alpha 1/alpha 2-adrenoceptor agonist selectivity of mono- and dihydroxy-2-N,N-DI-n-propylaminotetralins. Timmermans PB, et al. **Eur J Pharmacol** 1984 Jan 13; 97(1-2):55–65

Hypotensive activity of calcium entry blockers in rats. Relationship with depression of alpha 2-adrenoceptor-mediated vasopressor responses. Van Meel JC, et al. **Eur J Pharmacol** 1983 Aug 19;92(1-2):27–34

Effects of acute and short-term treatment with antihypertensive drugs in sinoaortic denervated rats. Taira CA, et al. **Gen Pharmacol** 1983;14(6):657–61

Response to antihypertensive treatment. A satellite symposium of the First European Meeting on Hypertension, June 2, 1983, Milan. **Hypertension** 1983 Sep-Oct;5(5 Pt 2):III1–159

Does pharmacological profiling of a new drug in normotensive volunteers provide a useful guideline to antihypertensive therapy? Brunner HR, et al. **Hypertension** 1983 Sep-Oct;5(5 Pt 2):III101–7

Central and peripheral indices of sympathetic activity after blood pressure lowering with enalapril (MK-421) or hydralazine in normotensive rats. Kohlmann O Jr, et al. **Hypertension** 1984 Mar-Apr;6(2 Pt 2):I1–6

Effects of antihypertensive therapy on serum lipoproteins. Weidmann P, et al. **Hypertension** 1983 Sep-Oct;5(5 Pt 2):III120–31 (79 ref.)

Antihypertensive effect of MK-421 in rats. Role of the renal kallikrein-kinin system. Yasujima M, et al. **Hypertension** 1984 Mar-Apr;6(2 Pt 1):229–35

Isometric exercise before and after nadolol treatment in uncomplicated essential hypertension. Corea L, et al. **Int J Clin Pharmacol Res** 1984;4(1):35–40

A study of the antihypertensive effect and some pharmacodynamic aspects of nifedipine in medium-term treatment. Masotti G, et al. **Int J Clin Pharmacol Res** 1984; 4(1):71–9

Comment on the article 'The influence of urapidil, a new antihypertensive agent, on cerebral perfusion pressure in dogs with and without intracranial hypertension' [letter] Willatts SM. **Intensive Care Med** 1983;9(6):349

Islet cyclic AMP levels are not lowered during alpha 2-adrenergic inhibition of insulin release. Ullrich S, et al. **J Biol Chem** 1984 Apr 10;259(7):4111–5

Comparison of prizidilol, a new antihypertensive drug with combined arteriolar vasodilator and beta-adrenoceptor blocking actions, with hydralazine and propranolol in conscious dogs with chronic atrioventricular block. Boucher M, et al. **J Cardiovasc Pharmacol** 1983 Sep-Oct; 5(5):712–6

Enhanced acute antihypertensive effect of propranolol in the absence of circulating epinephrine in the rat. Burris JF, et al. **J Cardiovasc Pharmacol** 1984 Jul-Aug;6(4):697–700

The hypotensive effect of trimazosin is not caused solely by alpha 1-adrenoceptor blockade. Constantine JW, et al. **J Cardiovasc Pharmacol** 1984 Jan-Feb;6(1):142–50

Felodipine, a new vasodilating drug: blood pressure, cardiac, renal, and humoral effects in hypertensive patients. Leonetti G, et al. **J Cardiovasc Pharmacol** 1984 May-Jun;6(3):392–8

Time course and effect of sodium intake on vascular and hormonal responses to enalapril (MK 421) in normal subjects. Shoback DM, et al. **J Cardiovasc Pharmacol** 1983 Nov-Dec;5(6):1010–8

Renal tubular site of action of felodipine. Dibona GF, et al. **J Pharmacol Exp Ther** 1984 Feb;228(2):420–4

Characterization of the alpha adrenoceptor-mediated effects and antihypertensive activity of ICI 106270: comparison with clonidine. Ruffolo RR Jr, et al. **J Pharmacol Exp Ther** 1984 Apr;229(1):58–66

Antihypertensive therapy and plasma lipids. Shaw J. **Med J Aust** 1984 Apr 28;140(9):517–8

Cardiovascular actions of the calmodulin inhibitor felodipine. Verdouw PD, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1983 Aug; 323(4):350–4

The effect of propranolol and other antihypertensive drugs on preganglionic sympathetic activity in the cat. Ramage AG. **Neuropharmacology** 1984 Jan;23(1):43–8

Inhibitors of the angiotensin I converting enzyme as antihypertensive drugs. Van Zwieten PA, et al. **Pharm Weekbl [Sci]** 1983 Oct 21;5(5):197–204 (50 ref.)

The effects of clonidine, prazosin, and propranolol on short-term and long-term habituation of the acoustic startle response in rats. Leaton RN, et al. **Pharmacol Biochem Behav** 1984 Jun;20(6):935–42

Hypotensive action of Acacia catechu. Sham JS, et al. **Planta Med** 1984 Apr;50(2):177–80

Investigation of new benzofurane, benzopiran and furanochromone derivatives--potential antiarrhythmic and hypotensive agents. Jedrych Z, et al. **Pol J Pharmacol Pharm** 1983 Sep-Oct;35(5):397–403

Effects of some hypotensive drugs on the clearance of I125 hippurate in rats after acute and subacute ethanol intoxication. Wejman I, et al. **Pol J Pharmacol Pharm** 1983 May-Jun;35(3):195–200

Effect of eicosatetraenyl (3-aminopropyl) phosphonate (URI-73A) on platelet aggregation and arachidonic acid metabolism. Mower RL, et al. **Prostaglandins Leukotrienes Med** 1983 Sep;12(1):95–106

[Hemodynamic effects of rhomotoxin in hypertensive patients assessed by impedance cardiography] Chen G. **Chung Hua I Hsueh Tsa Chih** 1983 Aug;63(8):475–6 (Eng. Abstr.) **(Chi)**

[Effects of dauricine on physiological properties of cat papillary muscle] Li GR, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Mar;5(1):20–2 (Eng. Abstr.) **(Chi)**

[The hypotensive effect of Solanum nigrum] Ye JR. **Chung Yao Tung Pao** 1984 Jan;9(1):35–6 **(Chi)**

[Pharmacologic study on the hypotensive effect of isopropylamine salicylate] Chen X, et al. **Yao Hsueh Hsueh Pao** 1983 Jul;18(7):481–6 (Eng. Abstr.) **(Chi)**

[Effects of dauricine on the dose-effect response of isoprenaline and calcium and the electro-mechanic activity of cat papillary muscle] Li GR, et al. **Yao Hsueh Hsueh Pao** 1983 Sep;18(9):660–4 (Eng. Abstr.) **(Chi)**

[Cardiovascular effects of urapidil] Bousquet P, et al. **J Pharmacol** 1983 Oct-Dec;14(4):465–72 (Eng. Abstr.) **(Fre)**

[Antihypertensive vasodilators] Plouin PF. **Sem Hop Paris** 1983 Nov 17;59(42):2915–22 (Eng. Abstr.) **(Fre)**

[Antihypertensive therapy and lipid metabolism] Krone W, et al. **Klin Wochenschr** 1984 Mar 1;62(5):193–202 (90 ref.)

(Eng. Abstr.) (Ger)
[Effects of long-term antihypertensive treatment on experimental cerebral ischemia] Tamaki K. **Fukuoka Igaku Zasshi** 1984 Apr;75(4):171–85 (Eng. Abstr.) (Jpn)
[Effect of clofelin and apressin on the autoregulation of cerebral blood flow] Gaevyl MD, et al. **Farmakol Toksikol** 1983 Nov–Dec;46(6):32–6 (Eng. Abstr.) (Rus)
[Dipeptidyl carboxypeptidase inhibitors—a new class of antihypertensive agents] Shvarts GIa. **Farmakol Toksikol** 1984 Mar–Apr;47(2):105–15 (120 ref.) (Rus)
[Radioprotective activity of hypotensive preparations] Znamenskii VV, et al. **Radiobiologiia** 1984 Jul–Aug; 24(4):548–50 (Eng. Abstr.) (Rus)
[Basis for individualizing hypertensive therapy. An approach based on hemodynamics and age] Messerli FH, et al. **Medicina (B Aires)** 1983;43(3):327–35 (Spa)

POISONING

Self poisoning with enalapril. Waeber B, et al. **Br Med J [Clin Res]** 1984 Jan 28;288(6413):287–8
[Severe poisoning by antihypertensive drugs, treated with hemoperfusion] Demarcq JM, et al. **Ann Fr Anesth Reanim** 1983;2(2):102–3 (Fre)
[Hemoperfusion and poisoning by antihypertensive agents (letter)] Garnier R, et al. **Ann Fr Anesth Reanim** 1983; 2(6):438 (Fre)

STANDARDS

Recent methods for assessing effectiveness of antihypertensive agents. Schneider BE, et al. **Clin Ther** 1983;6(1):22–33

THERAPEUTIC USE

Ketanserin in hypertension. Early clinical evaluation and dose finding study of a new 5-HT2 receptor antagonist. Andrén L, et al. **Acta Med Scand** 1983;214(2):125–30
Felodipine in primary pulmonary hypertension. Report of two cases. Arnman K, et al. **Acta Med Scand** 1984; 215(3):275–80
Heart and kidney involvement during antihypertensive treatment. Results from the primary preventive trial in Göteborg, Sweden. Samuelsson O, et al. **Acta Med Scand** 1984;215(4):305–11
Morbidity and mortality in relation to blood pressure and antihypertensive treatment. A 12-year follow-up study of a population sample of Swedish women. Sigurdsson JA, et al. **Acta Med Scand** 1984;215(4):313–22
Cerebral blood flow, hypertension and antihypertensive treatment. Proceedings of the sixth scientific meeting of the Danish Society of Hypertension. Copenhagen, April 2, 1982. **Acta Med Scand [Suppl]** 1983;678:1–120
Antihypertensive treatment in elderly patients in general practice (preliminary results). Andersen GS. **Acta Med Scand [Suppl]** 1983;676:151–60
New potent antihypertensive agents, or H3088 and or N0676. Karppanen H, et al. **Acta Med Scand [Suppl]** 1983; 677:148–52
Controlled clinical trials in mild hypertension. Miall WE, et al. **Acta Med Scand [Suppl]** 1983;686:67–74
Cerebral blood flow in hypertension. Strandgaard S. **Acta Med Scand [Suppl]** 1983;678:11–25
Drug selection in the treatment of pregnancy hypertension. A survey. Liedholm H, et al. **Acta Obstet Gynecol Scand [Suppl]** 1984;118:49–55
Clinical trials of adrenergic antagonists in pregnancy hypertension. Sandström B. **Acta Obstet Gynecol Scand [Suppl]** 1984;118:57–60
Possible role of an endogenous opioid in the antihypertensive action of propranolol in spontaneously hypertensive rats. Farsang C, et al. **Acta Physiol Hung** 1983;62(2):167–75
The short-term effects of reducing elevated blood pressure in elderly patients with propranolol and dyazide. Hamdy RC, et al. **Age Ageing** 1984 Mar;13(2):83–8
New drugs for hypertension. Lowenthal DT. **Am Fam Physician** 1984 May;29(5):294–6
Opening remarks: mismatch of essential hypertension's pathophysiology and current antihypertensive drugs: a perspective for alpha-1-adrenergic blockade. Birkenhäger WH, et al. **Am Heart J** 1983 Nov;106(5 Pt 2):1235–6
Autonomic, systemic, and renal hemodynamic actions of trimazosin in hypertensive patients. Chrysant SG. **Am Heart J** 1983 Nov;106(5 Pt 2):1243–50
Double-blind comparison of trimazosin and propranolol in essential hypertension. Helgeland A. **Am Heart J** 1983 Nov; 106(5 Pt 2):1253–8
A double-blind study of trimazosin and methyldopa in hypertensive patients receiving polythiazide. Moyer RR. **Am Heart J** 1983 Nov;106(5 Pt 2):1250–3
Trimazosin for the treatment of hypertensive patients failing to respond to thiazides. Oberman A, et al. **Am Heart J** 1983 Nov;106(5 Pt 2):1258–64
Clinical hemodynamic profile of trimazosin in hypertension. Pool PE, et al. **Am Heart J** 1983 Nov;106(5 Pt 2):1237–42
Effect of trimazosin on serum lipid profiles in hypertensive patients. Singleton W, et al. **Am Heart J** 1983 Nov;106(5 Pt 2):1265–8
Profile of trimazosin: an effective and safe antihypertensive agent. Taylor CR, et al. **Am Heart J** 1983 Nov;106(5 Pt 2):1269–81
Efficacy of nadolol alone and combined with bendroflumethiazide and hydralazine for systemic hypertension. **Am J Cardiol** 1983 Dec 1;52(10):1230–7
Enalapril improves systemic and renal hemodynamics and allows regression of left ventricular mass in essential hypertension. Dunn FG, et al. **Am J Cardiol** 1984 Jan 1; 53(1):105–8
Therapy of mild hypertension: an overview. Kaplan NM. **Am J Cardiol** 1984 Jan 27;53(3):2A–8A
Comparative efficacy and safety of lofexidine and clonidine in mild to moderately severe systemic hypertension. Lopez LM, et al. **Am J Cardiol** 1984 Mar 1;53(6):787–90
Regression of left ventricular hypertrophy from systemic hypertension by enalapril. Nakashima Y, et al. **Am J Cardiol** 1984 Apr 1;53(8):1044–9
Comparison of oral MK 421 and propranolol in mild to moderate essential hypertension and their effects on arterial and venous vessels of the forearm. Simon AC, et al. **Am J Cardiol** 1984 Mar 1;53(6):781–5
Comparative studies: enalapril versus hydrochlorothiazide as first-step therapy for the treatment of primary hypertension. Bauer JH, et al. **Am J Kidney Dis** 1984 Jul; 4(1):55–62
Renin profiling to select antihypertensive baseline drugs. Renin inhibitors for high-renin and calcium entry blockers for low-renin patients. Bühler FR, et al. **Am J Med** 1984 Aug 20;77(2A):36–42 (53 ref.)
Effect of long-term antihypertensive therapy on cardiac anatomy in patients with essential hypertension. Drayer JI, et al. **Am J Med** 1983 Sep 26;75(3A):116–20
Electrocardiographic changes in the course of antihypertensive treatment. Freis ED. **Am J Med** 1983 Sep 26;75(3A):111–5
Modification of stepped care approach to antihypertensive therapy. Laragh JH. **Am J Med** 1984 Aug 20;77(2A):78–86 (35 ref.)
Regression of cardiac hypertrophy. Experimental animal model. Sen S. **Am J Med** 1983 Sep 26;75(3A):87–93 (38 ref.)
Regression of left ventricular hypertrophy by medical treatment: present status and possible implications. Tarazi RC. **Am J Med** 1983 Sep 26;75(3A):80–6 (64 ref.)
Treatment goals in hypertension. Zanchetti A. **Am J Med** 1984 Feb 27;76(2A):1–3
Control of preeclamptic hypertension by ketanserin, a new serotonin receptor antagonist. Weiner CP, et al. **Am J Obstet Gynecol** 1984 Jul 1;149(5):496–500
Intrapartum treatment of preeclamptic hypertension by ketanserin—a serotonin receptor antagonist. Weiner CP, et al. **Am J Obstet Gynecol** 1984 Jul 1;149(5):576–8
Antihypertensive effect of prizidilol. Jounela AJ, et al. **Ann Clin Res** 1984;16(3):176–80
The 1984 Report of the Joint National Committee on Detection, Evaluation, and Treatment of High Blood Pressure. **Arch Intern Med** 1984 May;144(5):1045–57
Renal failure limiting antihypertensive therapy as an indication for renal revascularization. A case report. Textor SC, et al. **Arch Intern Med** 1983 Nov;143(11):2208–11
Treatment of portal hypertension with nadolol in patients with liver cirrhosis. Cervera J, et al. **Arch Invest Med (Mex)** 1983 Oct–Dec;14(4):331–41 (Eng, Spa)
Acute antihypertensive effect of nifedipine by sublingual route in cases with clinically severe systolic hypertension. A study up to 4 h after administration. Ito H, et al. **Arzneimittelforsch** 1984;34(5):630–6
Novel peptides with orally active and long-lasting antihypertensive activity. Morikawa T, et al. **Biochem Biophys Res Commun** 1984 Mar 30;119(3):1205–10
Ketanserin treatment in essential hypertension [letter] Ernst E, et al. **Br Heart J** 1984 Sep;52(3):359–60
Effects of vasodilator treatment with felodipine on haemodynamic responses to treadmill exercise in congestive heart failure. Timmis AD, et al. **Br Heart J** 1984 Sep;52(3):314–20
Short-term effects of felodipine, a new dihydropyridine, in hypertension. Andersson O, et al. **Br J Clin Pharmacol** 1984 Mar;17(3):257–63
Preliminary evaluation of pinacidil in hypertension. Ramsay LE, et al. **Br J Clin Pharmacol** 1983 Sep;16(3):336–8
A comparative study of a new alpha-adrenoceptor agonist, guanfacine and alpha-methyldopa in the treatment of hypertension. Joshi RC, et al. **Br J Clin Pract** 1984 Feb; 38(2):66–7, 71
The use of a single combination tablet containing a beta blocker and a diuretic in patients uncontrolled on either alone. Vandenburg MJ, et al. **Br J Clin Pract** 1984 Jun; 38(6):221–3
Enalapril in the treatment of hypertension with renal artery stenosis. Hodsman GP, et al. **Br Med J [Clin Res]** 1983 Nov 12;287(6403):1413–7
Drugs or oxygen for hypoxic cor pulmonale? Howard P. **Br Med J [Clin Res]** 1983 Oct 22;287(6400):1159–60
'Third drug' trial: comparative study of antihypertensive agents added to treatment when blood pressure remains uncontrolled by a beta blocker plus thiazide diuretic. McAreavey D, et al. **Br Med J [Clin Res]** 1984 Jan 14; 288(6411):106–11
Control of spontaneous and deoxycorticosterone-salt hypertension and polyuria by nitrendipine pellets. Hall CE, et al. **Can J Physiol Pharmacol** 1984 Apr;62(4):436–40
Comprehensive drug management of hypertension. Oparil S, et al. **Cardiovasc Clin** 1984;14(3):73–91
Newer agents in the treatment of arterial hypertension. Cressman MD, et al. **Cleve Clin Q** 1984 Spring;51(1):179–84
A compendium for the treatment of hypertensive emergencies. Vidt GD, et al. **Cleve Clin Q** 1984 Summer; 51(2):421–30
Effect of dietary sodium restriction on patients receiving antihypertensive medication. Carney SL, et al. **Clin Exp Hypertens [A]** 1984;6(6):1095–105
Comparative effects of enalapril, enalaprilic acid and captopril in blocking angiotensin I-induced pressor and dipsogenic responses in spontaneously hypertensive rats. Gaul SL, et al. **Clin Exp Hypertens [A]** 1984;6(6):1187–206
The effect of ketanserin on blood pressure and biochemical parameters in treated patients with essential hypertension. Wing LM, et al. **Clin Exp Hypertens [A]** 1984;6(6):1107–17
Renal kallikrein-kinin system and the depressor effect of angiotensin converting enzyme inhibitors MK 421, SA 446, and captopril in rats. Yasujima M, et al. **Clin Exp Hypertens [A]** 1984;6(6):1207–25
Comparison between short-term renal haemodynamic effects of propranolol and nadolol in essential hypertension: a cross-over study. Danesh BJ, et al. **Clin Sci** 1984 Aug; 67(2):243–8
Readjustment of antihypertensive treatment in patients with unsatisfactory blood pressure control. Säkö S. **Clin Ther** 1984;6(4):404–10
Long-term follow-up study of hypertensive patients by practicing internists after a controlled drug trial. Waeber B, et al. **Clin Ther** 1984;6(4):509–17
Office management of hypertension. Finnerty FA Jr. **Compr Ther** 1984 Feb;10(2):16–21
Angiotensin converting enzyme inhibitors in the treatment of hypertension. Materson BJ. **Compr Ther** 1983 Oct; 9(10):14–20 (20 ref.)
Screening, diagnosis, and treatment of secondary hypertension. Weinberger MH. **Compr Ther** 1984 May; 10(5):64–9
Medical plan-analysis by computer: critiquing the pharmacologic management of essential hypertension. Miller PL, et al. **Comput Biomed Res** 1984 Feb;17(1):38–54
Separation of essential hypertensive patients based on blood pressure responses after the withdrawal of antihypertensive agents by step-wise discriminant analysis. Fernandez PG, et al. **Curr Med Res Opin** 1983;8(7):509–17
Treatment of mild hypertension and the problem of compliance. Onesti G. **Curr Med Res Opin** 1983;8 Suppl 3:77–80
Angiotensin-converting enzyme inhibitors in the treatment of hypertension. Johnston CI, et al. **Drugs** 1984 Mar; 27(3):271–7
The problem of hypertension in aviators. Beevers DG. **Eur Heart J** 1984 Mar;5 Suppl A:29–32 (20 ref.)
Influence of antihypertensive drugs on psychosensory and psychomotor performance tests. Turner P. **Eur Heart J** 1984 Mar;5 Suppl A:37–9 (11 ref.)
The systemic and coronary haemodynamic effects of felodipine in patients with coronary heart disease. Tweddel AC, et al. **Eur Heart J** 1983 Oct;4(10):699–705
Cardiovascular response to exercise and regional haemodynamics during treatment with prizidilol hydrochloride (SK & F 92 657) in moderately severe essential hypertension. Andersson O, et al. **Eur J Clin Pharmacol** 1983;25(5):577–80
Nifedipine in the treatment of hypertension. Brennan F, et al. **Eur J Clin Pharmacol** 1983;25(6):713–5
Utilization of antihypertensive drugs in certain European countries. Capellà D, et al. **Eur J Clin Pharmacol** 1983; 25(4):431–5
Felodipine—a new vasodilator, in addition to beta-receptor blockade in hypertension. Elmfeldt D, et al. **Eur J Clin Pharmacol** 1983;25(5):571–5
Ketanserin in essential hypertension: effects during rest and exercise. Persson B, et al. **Eur J Clin Pharmacol** 1983; 25(3):307–12
Transient renovascular hypertension in childhood. Passwell J, et al. **Eur J Pediatr** 1984 Feb;141(4):254–5
Effect of antihypertensive therapy on sympathetic nervous system activity in patients with essential hypertension. Chernow B, et al. **Fed Proc** 1984 Jan;43(1):72–7
Treatment of hypertensive emergencies in the elderly. Vidt DG. **Geriatrics** 1984 Feb;39(2):55–6, 61–5
Treatment of hypertensive emergencies in the elderly. Vidt DG. **Geriatrics** 1984 Mar;39(3):77–9, 83
Age and cardiovascular response adaptation. Determinants of an antihypertensive treatment concept primarily based on beta-blockers and calcium entry blockers. Bühler FR. **Hypertension** 1983 Sep–Oct;5(5 Pt 2):III94–100
Renin system activity as a determinant of response to treatment in hypertension and heart failure. Cody RJ, et al. **Hypertension** 1983 Sep–Oct;5(5 Pt 2):III36–42
Causes of inadequate response to antihypertensive drugs. Volume factors. Dustan HP. **Hypertension** 1983 Sep–Oct; 5(5 Pt 2):III26–30
Structural factors: the vascular wall. Consequences of treatment. Folkow B. **Hypertension** 1983 Sep–Oct;5(5 Pt 2):III58–62
Hemodynamic and antihypertensive effects of the new oral angiotensin-converting-enzyme inhibitor MK-421 (enalapril). Fouad FM, et al. **Hypertension** 1984 Mar–Apr; 6(2 Pt 1):167–74
Cardiac factors in response to antihypertensive treatment.

Fouad FM, et al. **Hypertension** 1983 Sep–Oct;5(5 Pt 2):III43–8

Effect of reducing elevated blood pressure on cerebral circulation. Gifford RW Jr. **Hypertension** 1983 Sep–Oct;5(5 Pt 2):III17–20

Hemodynamic response: decrease in cardiac output vs reduction in vascular resistance. Lund-Johansen P. **Hypertension** 1983 Sep–Oct;5(5 Pt 2):III49–57

How much can blood pressure be lowered? Menard J, et al. **Hypertension** 1983 Sep–Oct;5(5 Pt 2):III21–5

Effect of antihypertensive treatment on the behavioral consequences of elevated blood pressure. Miller RE, et al. **Hypertension** 1984 Mar–Apr;6(2 Pt 1):202–8

Peripheral large arteries and the response to antihypertensive treatment. Safar ME, et al. **Hypertension** 1983 Sep–Oct;5(5 Pt 2):III63–8

Blood pressure response to treatment. Tarazi RC, et al. **Hypertension** 1983 Sep–Oct;5(5 Pt 2):III1–2

Half-strength atenolol–chlorthalidone combination (tenoretic mite) in the treatment of elderly hypertensive patients. Fogari R, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 Jul;22(7):386–93

Long-term efficacy and tolerance of the antihypertensive agent guanfacine. Jerie P, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 Mar;22(3):170–4

Comparison of the antihypertensive activity of cadralazine (ISF 2469) and dihydralazine during chronic treatment. Strocchi E, et al. **Int J Clin Pharmacol Ther Toxicol** 1983 Oct;21(10):519–23

Renal and endocrine hypertension. A review. Chan JC. **Int J Pediatr Nephrol** 1983 Sep;4(3):187–96 (43 ref.)

1984 Report of the Joint National Committee on Detection, Evaluation and Treatment of High Blood Pressure. **J Am Osteopath Assoc** 1984 May;83(9):642–59

Antihypertensive action and serotonin–induced platelet aggregation during long-term ketanserin treatment in hypertensive patients. Amery A, et al. **J Cardiovasc Pharmacol** 1984 Jan–Feb;6(1):182–5

Humoral and renal effects of MK–421 (enalapril) in hypertensive subjects. de Leeuw PW, et al. **J Cardiovasc Pharmacol** 1983 Sep–Oct;5(5):731–6

Haemodynamic effects of selective alpha 1–blockade (trimazosin) in essential hypertension. Nelson GI, et al. **J Cardiovasc Pharmacol** 1984 Jan–Feb;6(1):176–81

Antifibrillatory actions of d,l–nadolol in a conscious canine model of sudden coronary death. Patterson E, et al. **J Cardiovasc Pharmacol** 1983 Sep–Oct;5(5):737–44

Opiate withdrawal using lofexidine, a clonidine analogue with fewer side effects. Washton AM, et al. **J Clin Psychiatry** 1983 Sep;44(9):335–7

The use of timolol/bendrofluazide (Prestim) in the treatment of hypertensive patients failing to respond to other antihypertensives. Ellis R, et al. **J Int Med Res** 1983; 11(6):359–63

Antihypertensive drug compliance in black males. Cook CA. **J Natl Med Assoc** 1984 Jul;76 Suppl:40–6

Retinal vein thrombosis despite treatment for hypertension. Alvarez E, et al. **J R Coll Physicians Lond** 1984 Apr; 18(2):142–3

Treating severe hypertension. Swales JD. **J R Coll Physicians Lond** 1984 Jan;18(1):46–50 (20 ref.)

Antagonistic effect of dauricine of experimental arrhythmias. Li GR, et al. **J Tradit Chin Med** 1984 Mar;4(1):25–8

Hemodynamic changes associated with long–term antihypertensive therapy with new calcium antagonist. Fujita T, et al. **Jpn Heart J** 1983 Jul;24(4):587–93

Pharmacological treatment of arterial hypertension. Kokot F. **Mater Med Pol** 1983 Jul–Dec;15(3–4):131–41 (24 ref.)

Indications to treatment of essential hypertension with particular reference to borderline hypertension. Król W, et al. **Mater Med Pol** 1983 Jul–Dec;15(3–4):124–30 (41 ref.)

How should hypertension during pregnancy be managed? Experience at Parkland Memorial Hospital. Cunningham FG, et al. **Med Clin North Am** 1984 Mar;68(2):505–26 (34 ref.)

Should mild hypertension be treated? Early intervention. Grimm RH Jr. **Med Clin North Am** 1984 Mar;68(2):477–90 (26 ref.)

Antihypertensive treatment, body mass, and survival after myocardial infarction. Callcott R, et al. **Med J Aust** 1984 Sep 29;141(7):419–21

Australian therapeutic trial in mild hypertension. Reader R. **Med J Aust** 1984 Jun 23;140(13):752–4

Hypotensive activity of 1–O–hexadecyl–2–O–acetyl–sn–glycero–3–phosphocholine in rats with various types of hypertension. Saeki S, et al. **Med J Osaka Univ** 1983 Sep;34(1–2):17–20

Guanadrel (Hylorel)—a new antihypertensive drug. **Med Lett Drugs Ther** 1983 Oct 14;25(646):95–6

Antihypertensive therapy in elderly patients. Ninth interim report. The European Working Party on High Blood Pressure in the Elderly (EWPHE). **Neth J Med** 1984; 27(4):165–70

Blood pressure levels and the treatment of hypertension in Auckland, 1982. Jackson RT, et al. **NZ Med J** 1983 Oct 12;96(741):751–4

Drug systems approach to hypertension. Moyer JH. **Penn Med** 1983 Dec;86(12):68–73

Timolol/bendrofluazide combination ('Prestim') in the treatment of poorly controlled hypertensive patients in general practice. Douglas–Jones AP. **Pharmatherapeutica** 1984;3(9):631–5

A multi–centre, general practice assessment of a timolol/bendrofluazide combination ('Prestim') in the treatment of mild to moderate hypertension. Head AC. **Pharmatherapeutica** 1984;3(10):650–6

Long–term effects of endralazine (BQ–22–708) in patients with renal impairment and hypertension. Kingswood JC, et al. **Postgrad Med J** 1983;59 Suppl 3:173–6

Are we managing hypertension? Hart JT. **Practitioner** 1984 Jun;228(1392):589

Attenuation of psychosocial stress–induced hypertension by gamma–linolenic acid (GLA) administration in rats. Mills DE, et al. **Proc Soc Exp Biol Med** 1984 May;176(1):32–7

Treatment of systolic hypertension. Weber MA, et al. **Ration Drug Ther** 1983 Sep;17(9):1–7

Southern African hypertension congress [letter] **S Afr Med J** 1983 Oct 8;64(16):607–8

Ketanserin in the treatment of hypertension following coronary artery bypass surgery. A preliminary study. Diedericks BJ, et al. **S Afr Med J** 1983 Oct 1;64(15):569–71

The efficiency of ACE–inhibitors in the treatment of mild hypertension. Ibsen H, et al. **Scand J Urol Nephrol [Suppl]** 1984;79:69–72 (26 ref.)

Enalapril and lisinopril in renovascular hypertension—antihypertensive and hormonal effects of two new angiotensin–converting–enzyme (ACE) inhibitors. A preliminary report. Karlberg BE, et al. **Scand J Urol Nephrol [Suppl]** 1984;79:103–6

Enalapril treatment in a patient with impaired renal function and intolerance to captopril. Lindsjö M, et al. **Scand J Urol Nephrol [Suppl]** 1984;79:99–101

Long–term haemodynamic effects of enalapril at rest and during exercise in essential hypertension. Lund–Johansen P, et al. **Scand J Urol Nephrol [Suppl]** 1984;79:87–91

Enalapril and atenolol in primary hypertension—a comparative study of blood pressure lowering and hormonal effects. Ohman KP, et al. **Scand J Urol Nephrol [Suppl]** 1984;79:93–7

Acute and subacute haemodynamic effects of enalapril. Non–invasive studies of a new converting enzyme inhibitor for antihypertensive treatment. Wikstrand J, et al. **Scand J Urol Nephrol [Suppl]** 1984;79:81–5

Effective hypertension control in an indigent population. Akman D, et al. **South Med J** 1984 May;77(5):576–8

Chronic antihypertensive treatment in the rat reverses hypertension–induced changes in cerebral blood flow autoregulation. Vorstrup S, et al. **Stroke** 1984 Mar–Apr; 15(2):312–8

Advances in the medical management of renovascular hypertension. Vidt DG. **Urol Clin North Am** 1984 Aug; 11(3):417–24 (40 ref.)

[Treatment of arterial hypertension in the line of first contact] Zicha J, et al. **Cas Lek Cesk** 1983 Nov 18;122(46):1415–8 (Eng. Abstr.) (Cze)

[Experience with endralazine in the treatment of essential hypertension] Dvořák I, et al. **Vnitr Lek** 1984 Jan; 30(1):42–7 (Eng. Abstr.) (Cze)

[Guanfacine in the treatment of arterial hypertension. Apropos of 471 cases in a hospital milieu] Carette B. **Ann Cardiol Angeiol (Paris)** 1984 Feb–Mar;33(2):123–6 (Fre)

[Multicenter trials in the treatment of arterial hypertension. Socioeconomic repercussions] Chatellier G, et al. **Ann Cardiol Angeiol (Paris)** 1984 Jan;33(1):43–8 (Eng. Abstr.) (Fre)

[Medical treatment of essential arterial hypertension] Degaute JP. **Rev Med Brux** 1983 Dec;4(10):675–83 (Eng. Abstr.) (Fre)

[Arterial hypertension in elderly patients, and difficulties in its treatment] Fritel D, et al. **Sem Hop Paris** 1983 Nov 10;59(41):2838–41 (Eng. Abstr.) (Fre)

[Dose–response study of betaxolol in arterial hypertension] Pathe M, et al. **Therapie** 1983 Mar–Apr;38(2):143–8 (Eng. Abstr.) (Fre)

[The use of urapidil in the postoperative period] Puchstein C, et al. **Anaesthesist** 1984 May;33(5):224–7 (Eng. Abstr.) (Ger)

[Treatment of arterial hypertension in the aged] Michel D, et al. **Fortschr Med** 1983 Nov 24;101(44):2031–8 (Ger)

[Therapy of the hypertensive crisis with urapidil. Various effects on patients with or without coronary disease] Zähringer J, et al. **Fortschr Med** 1984 Jun 14;102(22):624–8 (Eng. Abstr.) (Ger)

[Critical remarks on the therapy of hypertension] Scheler F, et al. **Internist (Berlin)** 1984 Jul;25(7):398–403 (Ger)

[Effect and tolerability of Viskaldix retard in ambulatory hypertensive patients] Kredel L. **Med Welt** 1984 Feb 3; 35(5):156–9 (Ger)

[Antihypertensive therapy in diabetes mellitus] Trost BN, et al. **Ther Umsch** 1983 Oct;40(10):891–8 (Eng. Abstr.) (Ger)

[A critical consideration of drug therapy in arterial hypertension] Scheler F, et al. **Verh Dtsch Ges Herz Kreislaufforsch** 1983;49:219–23 (Ger)

[Therapy of hypertension] Steinbach K. **Wien Med Wochenschr** 1984 May 15;134(9–10):218–22 (Ger)

[Should elderly hypertensive patients be treated with a beta–blocker–diuretic combination?] Böhmer F. **Z Gerontol** 1984 Mar–Apr;17(2):89–92 (Eng. Abstr.) (Ger)

[Long–term treatment of hypertension with a beta blocker–diuretic combination] Hoffmann J, et al. **ZFA (Stuttgart)** 1983 Nov 10;59(31):1773–7 (Ger)

[Systolic hypertension. Treatment with endralazine] Kilic S. **ZFA (Stuttgart)** 1983 Dec 10;59(34):1937–41 (Ger)

[A beta receptor blocker–diuretic combination in elderly hypertensive patients at health resorts] Kirchhoff HW. **ZFA (Stuttgart)** 1983 Jul 31;59(21):1188–91 (Ger)

[Experimental pharmaceutical therapy of sinusoidal portal hypertension] Tarantino G, et al. **Boll Chim Farm** 1984 Jan;123(1):6S–15S (Eng. Abstr.) (Ita)

[Clinical considerations on the appropriate selection of hypotensive drugs in old age] Bernardi P, et al. **Clin Ter** 1983 Nov 15;107(3):215–26 (Eng. Abstr.) (Ita)

[Treatment of essential arterial hypertension with nadolol and bendroflumethiazide] Marchetta F, et al. **Clin Ter** 1983 Aug 15;106(3):209–12 (Eng. Abstr.) (Ita)

[Drug–induced orthostatic hypotension can be useful in antihypertensive therapy] Dal Palù C, et al. **G Ital Cardiol** 1983 Nov;13(11):317–22 (Eng. Abstr.) (Ita)

[Effect of bufenine hydrochloride on circulating blood volume and physical development of fetuses of female rabbits with experimental hypertension] Lenczewski A, et al. **Ginekol Pol** 1983 Jul;54(7):453–7 (Eng. Abstr.) (Pol)

['Viskaldix' in the treatment of arterial hypertension] Bar–Andziak E, et al. **Kardiol Pol** 1984;27(2):125–30 (Eng. Abstr.) (Pol)

[Treatment of mild arterial hypertension—a perennial open question] Bar–Andziak E, et al. **Pol Arch Med Wewn** 1984 Feb;71(2):109–18 (22 ref.) (Pol)

[Effectiveness of Viskaldix in patients with primary hypertension] Cybulska I, et al. **Pol Tyg Lek** 1983 Nov 7;38(45):1399–401 (Eng. Abstr.) (Pol)

[Drugs and factors antagonizing the renin–angiotensin system] Brus R. **Postepy Hig Med Dosw** 1983 May–Jun; 37(3):271–85 (133 ref.) (Eng. Abstr.) (Pol)

[Basic trends in the treatment of arterial hypertension] Modlińska J. **Wiad Lek** 1984 Feb 1;37(3):193–8 (14 ref.) (Eng. Abstr.) (Pol)

[Compliance, efficacy and cost of the treatment of arterial hypertension] Lessa I, et al. **Arq Bras Cardiol** 1983 Aug; 41(2):119–23 (Eng. Abstr.) (Por)

[Captopril in the therapy of resistant hypertension. A multicenter study] Mion Júnior D, et al. **Arq Bras Cardiol** 1983 May;40(5):363–7 (Eng. Abstr.) (Por)

[The adequacy of hypertensive therapy] Shkhvatsabaia IK. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1983;6(2):3–13 (Rus)

[Experimental study of the antihypertensive activity of unithiol, D–penicillamine and cysteine] Mashkovskii MD, et al. **Farmakol Toksikol** 1983 Nov–Dec;46(6):24–8 (Eng. Abstr.) (Rus)

[Characteristics of the action of gemiton, adelfan and dopegit on cerebral circulation in arterial hypertension] Eninia GI, et al. **Klin Med (Mosk)** 1984 Mar;62(3):100–3 (Rus)

[Relation between the effect of sectral and visken in stage 2 hypertension patients and the sensitivity of the nervous system] Lil'in ET, et al. **Klin Med (Mosk)** 1983 Sep; 61(9):83–9 (7 ref.) (Eng. Abstr.) (Rus)

[Hypotensive agents] Orlov VN. **Klin Med (Mosk)** 1983 Aug; 61(8):128–34 (Eng. Abstr.) (Rus)

[Treatment of hypertensive patients with adelphan–esidrex] Shvedenko LA, et al. **Klin Med (Mosk)** 1983 Aug; 61(8):24–8 (Eng. Abstr.) (Rus)

[Effectiveness of Brinerdine in different hemodynamic types of arterial hypertension] Lapshina LA, et al. **Ter Arkh** 1984; 56(4):83–6 (Eng. Abstr.) (Rus)

[Hemodynamic indices in patients with hypertension] Andrushchenko EV, et al. **Vrach Delo** 1983 Jul;(7):64–6 (Eng. Abstr.) (Rus)

[Use of adelphan–esidrex with hypertension patients] Shvedenko LA, et al. **Vrach Delo** 1984 Apr;(4):27–30 (Eng. Abstr.) (Rus)

[Endralazine in the treatment of hypertension] Fet'kovská N, et al. **Vnitr Lek** 1984 Feb;30(2):163–8 (Eng. Abstr.) (Slo)

TOXICITY

Carcinogenicity study in mice on pildralazine, a hydralazinelike antihypertensive compound. Della Porta G, et al. **J Cancer Res Clin Oncol** 1983;106(2):97–101

[Pharmacologic study on the hypotensive effect of isopropylamine salicylate] Chen X, et al. **Yao Hsueh Hsueh Pao** 1983 Jul;18(7):481–6 (Eng. Abstr.) (Chi)

ANTI-INFECTIVE AGENTS

see related
ANTHELMINTICS
ANTIPROTOZOAL AGENTS

Bacteriostatic and fungostatic action of catecholamide iron chelators. Bergeron RJ, et al. **Antimicrob Agents Chemother** 1983 Nov;24(5):725–30

Probenecid: antibacterial action against Neisseria gonorrhoeae and interaction with benzylpenicillin. Catlin BW. **Antimicrob Agents Chemother** 1984 Jun;25(6):676–82

Antibacterial activity of norfloxacin in the gastrointestinal tracts of rats. Frimodt–Møller PC, et al. **Antimicrob Agents Chemother** 1983 Oct;24(4):560–3

Susceptibilities of bacterial and fungal urinary tract isolates

to desferrioxamine. Lowy FD, et al.
Antimicrob Agents Chemother 1984 Mar;25(3):375–6
Physiological activities of 3,3',4,5'-tetrahydroxystilbene isolated from the heartwood of Cassia garrettiana CRAIB. Inamori Y, et al. **Chem Pharm Bull (Tokyo)** 1984 Jan; 32(1):213–8
Symposium on pharmacology and therapeutics.
Dent Clin North Am 1984 Jul;28(3):387–634
Siderophores as antimicrobial agents. Jones RL, et al.
Eur J Clin Microbiol 1983 Oct;2(5):411–3
Bactericidal and cytotoxic effects of hypothiocyanite–hydrogen peroxide mixtures. Carlsson J, et al. **Infect Immun** 1984 Jun;44(3):581–6
Medicinal plants in tropical West Africa. III. Anti-infection therapy with higher plants. Oliver-Bever B.
J Ethnopharmacol 1983 Nov;9(1):1–83
Screening of antimicrobial activity of some plants belonging to the Apocynaceae and Loganiaceae. Verpoorte R, et al.
J Ethnopharmacol 1983 Sep;8(3):287–302
A joint venture. Braude AI. **J Infect Dis** 1984 Mar; 149(3):295–7
Studies on iridoid-related compounds, II. The structure and antimicrobial activity of aglucones of galioside and gardenoside. Ishiguro K, et al. **J Nat Prod** 1983 Jul–Aug; 46(4):532–6
Preliminary report on the antimicrobial activity of honey distillate. Obaseiki-Ebor EE, et al. **J Pharm Pharmacol** 1983 Nov;35(11):748–9
The antimicrobial activity of garlic and onion extracts. Elnima EI, et al. **Pharmazie** 1983 Nov;38(11):747–8
Acetonyl esters as antibacterial agents. Erhun WO.
Pharmazie 1983 Nov;38(11):790
Antibacterial efficacy of essential oil of Capillipedium foetidum Lisboa Bomb. Garg SC, et al. **Pharmazie** 1984 Jan;39(1):64
Investigation on antibacterial action of some amines. Kubis A, et al. **Pharmazie** 1983 Jul;38(7):488–9
Genus Baccharis. II. Antimicrobial activity of B. crispa and B. notosergila. Palacios P, et al. **Planta Med** 1983 Oct; 49(2):128
Antimicrobial, antiamoebic and antiviral screening of some Tabernaemontana species. van Beek TA, et al.
Planta Med 1984 Apr;50(2):180–5
Antimicrobial activity of Obioactin. Osaki H, et al.
Zentralbl Bakteriol Mikrobiol Hyg [A] 1984 Mar; 256(3):328–34
Experimental evidence for the occurrence in honey of specific substances active against microorganisms. Radwan SS, et al. **Zentralbl Mikrobiol** 1984;139(4):249–55
[Relative biological effect of L-aspartic acid hydrazide on Pseudomonas pseudomallei and Salmonella typhimurium] Velianov D, et al. **Acta Microbiol Bulg** 1984;14:106–15 (Eng. Abstr.) **(Bul)**
[Absorbable hemostatics. Antibacterial effect of oxidized regenerated cellulose] Pernet M. **Ann Chir** 1983 Dec; 37(9):700–1 (Eng. Abstr.) **(Fre)**
[In vitro antibacterial activity of 7-methoxy-2-nitronaphto [2,1-b]furan (R 7000)] Amgar A, et al. **Ann Pharm Fr** 1983; 41(3):283–5 (Eng. Abstr.) **(Fre)**
[Chemotherapeutic activity of newly synthesized N-aminoimidazoles and N-arylidene-aminoimidazoles. Preliminary note] Cocco MT, et al. **G Ital Chemioter** 1984 Jan–Aug;31(1–2):33–6 **(Ita)**
[In vitro antibacterial action of norfloxacin] Fabio U, et al. **G Ital Chemioter** 1983 Jan–Apr;30(1):53–9 **(Ita)**
[Methylation of hinokitiol and 7-iodohinokitiol and the syntheses of Schiff bases of hydrazinotropone derivatives and 5-aminohinokitiol] Koshiro A, et al.
Yakugaku Zasshi 1983 Dec;103(12):1303–12 (Eng. Abstr.) **(Jpn)**
[Experimental effect of lysozyme on macrophage metabolism and resistance to infection] Shcherbakova EG, et al.
Antibiotiki 1984 May;29(5):338–44 (Eng. Abstr.) **(Rus)**
[Effect of surface-active agents on agents of venereal diseases] Krivoshein IuS, et al. **Vestn Dermatol Venerol** 1983 Aug;(8):30–3 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Intermittent chemoprophylaxis for Pneumocystis carinii pneumonia. Hughes WT, et al.
Antimicrob Agents Chemother 1983 Aug;24(2):300–1
Umbilical cord care. A study of bacitracin ointment vs. triple dye. Andrich MP, et al. **Clin Pediatr (Phila)** 1984 Jun; 23(6):342–4
Selective antimicrobial modulation of the intestinal flora. Prophylaxis against infection in neutropenic patients. Guiot HF, et al. **Infection** 1984 Jan–Feb;12(1):1–4 (39 ref.)
Liposomes in antimicrobial chemotherapy. Richardson VJ.
J Antimicrob Chemother 1983 Dec;12(6):332–4
A mouthrinse which optimizes in vivo generation of hypothiocyanite. Mansson-Rahemtulla B, et al.
J Dent Res 1983 Oct;62(10):1062–6
Clinical pharmacology and pharmacokinetics of flumequine after intravenous, intramuscular and oral administration in pigeons (Columba livia). Dorrestein GM, et al.
J Vet Pharmacol Ther 1983 Dec;6(4):281–92
Intraprostatic concentrations of ciprofloxacin after intravenous administration [letter] Boerema JB, et al.
Lancet 1984 Sep 22;2(8404):695–6
Oral rosoxacin for treatment of penicillin-resistant gonorrhoea [letter] Harrison WO, et al. **Lancet** 1984 Mar 10;1(8376):566
Oral treatment of systemic Pseudomonas aeruginosa infection with enoxacin [letter] Hubrechts JM, et al. **Lancet** 1984 Apr 14;1(8381):860
The use of topical cerium nitrate–silver sulfadiazine in major burn injuries. Monafo L. **Panminerva Med** 1983 Jul–Sep; 25(3):151–4
Antimicrobial therapy of travellers' diarrhoea. Dupont HL, et al. **Scand J Gastroenterol [Suppl]** 1983;84:99–105
Antimicrobial prophylaxis of travellers' diarrhoea: a summary of studies using doxycycline or trimethoprim and sulphamethoxazole. Sack RB.
Scand J Gastroenterol [Suppl] 1983;84:111–7
[Primacy of medical treatment of cerebral abscesses (19 cases)] Petit H, et al. **Rev Neurol (Paris)** 1983; 139(10):575–81 (Eng. Abstr.) **(Fre)**
[Combined use of ultrasound and dioxidine in the treatment of infectious keratitis and corneal ulcers] Novitskiĭ IIa.
Oftalmol Zh 1983;(7):399–402 (Eng. Abstr.) **(Rus)**
[Use of first-aid aerosol containers] Ageeva MG.
Voen Med Zh 1984 May;(5):59–60 **(Rus)**

ADVERSE EFFECTS

The neurotoxicity of antibacterial agents. Snavely SR, et al.
Ann Intern Med 1984 Jul;101(1):92–104 (293 ref.)
Co-trimoxazole in pregnancy [letter] Smithells RW.
Lancet 1983 Nov 12;2(8359):1142
Adverse reactions to antimicrobial agents in the horse. English PB, et al. **Vet Res Commun** 1983 Dec;7(1–4):207–10

ANALYSIS

Detection of the hypothiocyanite (OSCN-) ion in human parotid saliva and the effect of pH on OSCN- generation in the salivary peroxidase antimicrobial system. Pruitt KM, et al. **Arch Oral Biol** 1983;28(6):517–25
Determination of a new antibacterial agent (AT-2266) and its metabolites in plasma and urine by high-performance liquid chromatography. Nakamura R, et al.
J Chromatogr 1983 Dec 9;278(2):321–8
Isolation and identification of trachyloban-19-oic and (-)-kaur-16-en-19-oic acids as antimicrobial agents from the prairie sunflower, Helianthus annuus. Mitscher LA, et al. **J Nat Prod** 1983 Sep–Oct;46(5):745–6
[Prostatic concentrations of norfloxacin using HPLC] Bologna M, et al. **G Ital Chemioter** 1984 Jan–Aug; 31(1–2):59–63 (Eng. Abstr.) **(Ita)**

ANTAGONISTS & INHIBITORS

Antimicrobial resistance of gram-negative bacteria isolated from foods in Mexico. Wood LV, et al. **J Infect Dis** 1983 Oct;148(4):766

BLOOD

Quantification of antimalarial drugs. II. Simultaneous measurement of dapsone, monoacetyldapsone and pyrimethamine in human plasma. Edstein M.
J Chromatogr 1984 May 11;307(2):426–31

CHEMICAL SYNTHESIS

Syntheses and biological activities of some new 4(3H)-quinazolinones. Bahadur S, et al.
Arch Pharm (Weinheim) 1983 Nov;316(11):964–8
Some reactions of 2-aryl-4-chloromethyl-1,3,4-thiadiazoline-5-thiones. El-Barbary AA, et al. **Arch Pharm (Weinheim)** 1984 Jun; 317(6):547–55
Synthesis and antimicrobial activity of some 2-(2-nitroethenyl)naphthofuran and -benzofuran derivatives. Gatti R, et al. **Arch Pharm (Weinheim)** 1983 Oct;316(10):849–51
Syntheses and biological activities of 3-[4-(alkoxycarbonyl)phenyl]sydnones and their derivatives. Pattanashetti PP, et al.
Arch Pharm (Weinheim) 1984 Jan;317(1):59–63
Synthesis and biological activities of the tri-L-alanine derivative of isonicotinic acid hydrazide. Brückner H, et al. **Arzneimittelforsch** 1983;33(12):1630–3
Thiosemicarbazones of 2-acetylpyridine, 2-acetylquinoline, 1- and 3-acetylisoquinoline and related compounds as inhibitors of clinically significant bacteria in vitro. Dobek AS, et al. **Arzneimittelforsch** 1983;33(11):1583–91
Synthesis and antibacterial activity of 3-acylamino-2-azetidinone-1-sulfonic acid derivatives. Matsuo T, et al. **Chem Pharm Bull (Tokyo)** 1983 Jun; 31(6):1874–84
Synthesis and antibacterial activity of 3-acylamino-3-methoxy-2-azetidinone-1-sulfonic acid derivatives. Matsuo T, et al. **Chem Pharm Bull (Tokyo)** 1983 Jul;31(7):2200–8
Synthesis and antimicrobial activity of salicylanilide derivatives. II. Ozawa I, et al.
Chem Pharm Bull (Tokyo) 1984 Jan;32(1):305–312
Synthesis of 3-acylamino-4-hydroxymethyl-2-oxo-1-sulfoazetidines and related compounds. Shibuya M, et al.
Chem Pharm Bull (Tokyo) 1984 Apr;32(4):1303–12
Researches on antibacterial and antifungal agents. II – Synthesis of 1-ethyl-1,4-dihydro-4-oxo-7-(1-pyrrolidinyl)quinoline-3 acid, a novel highly active, broad-spectrum antibacterial agent related to piromidic acid. Corelli F, et al.
Farmaco [Sci] 1984 Feb;39(2):95–109
Synthesis and antimicrobial activity of monoalkylcarbamic and thiocarbamic esters of 3-mercapto-1,2,4-benzothiadiazine-1,1-dioxide and of its Bz-derivatives. Di Bella M, et al. **Farmaco [Sci]** 1983 Jul; 38(7):466–72
Pyrrolnitrin analogues. VIII – Synthesis and antibacterial activity of new 1,4- and 1,5-diarylpyrroles. Filacchioni G, et al. **Farmaco [Sci]** 1983 Sep;38(9):630–9
Biologically active halophthaloylpeptides. I. Synthesis of tetrachlorophthaloylamino acids and dipeptide derivatives. el-Naggar AM, et al. **Farmaco [Sci]** 1984 Feb;39(2):154–61
Synthesis of some 2- and 4-methoxyacetylaminobenzenesulphonylamino acid derivatives and their antimicrobial activity. El-Naggar AM, et al. **Farmaco [Sci]** 1983 Jul;38(7):488–97
Synthesis and biological activity of some di(nitrothienyl)- and di(acetylaminothienyl)sulfones. Ronsisvalle G, et al.
Farmaco [Sci] 1983 Nov;38(11):877–83
Synthesis of some 3-hydroxynaphthalene-2-carbonylamino acid and dipeptide derivatives. El-Naggar AM, et al.
Int J Pept Protein Res 1983 Aug;22(2):251–6
Preparation and antibacterial activities of new 1,2,3-diazaborine derivatives and analogues. Grassberger MA, et al. **J Med Chem** 1984 Aug;27(8):947–53
Synthesis and antibacterial activity of some 5-nitro-3-phenyliminoindol-2(3H)-ones and their N-Mannich bases. Daisley RW, et al. **J Pharm Sci** 1984 Mar;73(3):407–8
Synthesis and antimicrobial activity of novel quinazolone derivatives. Habib NS, et al. **J Pharm Sci** 1984 Jul; 73(7):982–5
Antimicrobial activity of triethylammonium chloride-N-substituted N'-cyano-O-(triphenylstannyl)-isourea complexes. Kupchik EJ, et al. **J Pharm Sci** 1984 Jul;73(7):1012–3
Arylidenepyruvic acid thiosemicarbazone and thiazoline derivatives as potential antimicrobial agents. Omar ME, et al. **J Pharm Sci** 1983 Oct;72(10):1226–8
5-nitrofurfuryl derivatives of 1,3-dioxan and 1,3-dioxolane as antimicrobial agents. Mubarak SI, et al.
Pharm Acta Helv 1984;59(7):205–8
Investigations on the antimicrobial activity of O-acylated 4-hydroxybenzoic acid derivatives. Rehn D, et al.
Pharm Acta Helv 1984;59(3):88–90
Synthesis and biological activity of some new benzimidazolyl-azetidin-2-ones and -thiazolidin-4-ones. Abdel-Rahman AE, et al. **Pharmazie** 1983 Sep;38(9):589–90
Uracil, 2,4-dichlorophenol and diphenylether derivatives with antimicrobial activity. Badawi A, et al. **Pharmazie** 1983 Dec;38(12):838–41
Synthesis of some 1.3.4-thiadiazoles of possible antimicrobial activity. el-Dine SA, et al. **Pharmazie** 1984 Feb;39(2):101–3
Synthesis and antimicrobial testing of certain oxadiazoline and triazole derivatives. Hassan E, et al. **Pharmazie** 1983 Dec;38(12):833–5
Synthesis, antibacterial and antifungal activity of 4-hydroxycoumarin derivatives, analogues of novobiocin. Patonay T, et al. **Pharmazie** 1984 Feb;39(2):84–91
Synthesis, antibacterial and antitumour activity of platinum complexes of glyoxal and pyruvic acid thiosemicarbazones. Spassovska N, et al. **Pharmazie** 1984 May;39(5):346–7
[Effect of new pyridinium compounds against selected bacterial and fungal strains. 6. Synthesis of 3,5-dimethyl-, 3-bromo- and 3-chloro-1-(n-alkylthiomethyl)pyridinium chlorides] Kucharski S, et al. **Arch Pharm (Weinheim)** 1983 Nov;316(11):916–21 (Eng. Abstr.) **(Ger)**
[Effect of new quaternary iminium compounds on selected bacterial and fungal strains. 7. Synthesis of N-alkylthiomethylquinolinium chlorides 1 and analogous 6-methyl compounds 2] Pernak J, et al.
Arch Pharm (Weinheim) 1984 Feb;317(2):152–6 (Eng. Abstr.) **(Ger)**
[Effects of new iminium compounds on selected bacterial and fungal strains. 9. Synthesis of 1,2-dimethyl- and 1-butyl-3-(n-alkylthiomethyl)imidazolium chlorides] Pernak J, et al. **Arch Pharm (Weinheim)** 1984 May; 317(5):430–4 (Eng. Abstr.) **(Ger)**
[The effect of new quaternary ammonium compounds on bacteria and fungi. 5: Synthesis of 3-methyl-n-alkylthiomethylpyridinium-, 1-methyl-3-n-alkylthiomethylimidazolium- and 1-ethyl-3-n-alkylthioimidazolinium chloride] Pernak J, et al. **Pharmazie** 1983 Nov;38(11):752–4 (Eng. Abstr.) **(Ger)**
[9-Hydrazinoacridine derivatives and 9-hydrazino-1,2,3,4-tetrahydroacridines: preparation and biological activity] Pellerano C, et al. **Boll Chim Farm** 1983 Dec;122(12):582–8 (Eng. Abstr.) **(Ita)**
[Derivatives of lithocholic acid with antibacterial and antifungal activity. IV] Bellini AM, et al. **Farmaco [Sci]** 1984 Apr;39(4):305–15 (Eng. Abstr.) **(Ita)**
[Furazan sulfanilamides] Tironi C, et al. **Farmaco [Sci]** 1984 Mar;39(3):265–72 (Eng. Abstr.) **(Ita)**
[N-substituted p-fluorobenzene sulfonamides with antimicrobial activity. I] Vigorita MG, et al.
Farmaco [Sci] 1984 Jun;39(6):514–23 (Eng. Abstr.) **(Ita)**

ISOLATION & PURIFICATION

Insect immunity. Attacins, a family of antibacterial proteins from Hyalophora cecropia. Hultmark D, et al.
EMBO J 1983;2(4):571–6
Antimicrobial principles from in vitro tissue culture of

Peganum harmala. Harsh ML, et al. **J Nat Prod** 1984 Mar-Apr;47(2):365-7

Antibacterial activity studies of flavonoids from Salvia palaestina. Miski M, et al. **J Nat Prod** 1983 Nov-Dec; 46(6):874-5

METABOLISM

Pharmacokinetics and tissue penetration of ciprofloxacin. Crump B, et al. **Antimicrob Agents Chemother** 1983 Nov; 24(5):784-6

Pharmacokinetics of AT-2266 administered orally to mice, rats, dogs, and monkeys. Nakamura S, et al. **Antimicrob Agents Chemother** 1983 Jul;24(1):54-60

Pharmacokinetics of metioprim in normal subjects and patients with impaired renal function. Vergin H, et al. **Antimicrob Agents Chemother** 1983 Aug;24(2):190-3

Pharmacokinetics and tissue penetration of enoxacin. Wise R, et al. **Antimicrob Agents Chemother** 1984 Jul;26(1):17-9

Biological evaluation of Wratizolin penetration from ointments to the skin. Inglot AD, et al. **Arch Immunol Ther Exp (Warsz)** 1983;31(5):631-40

The pharmacokinetics and tissue penetration of norfloxacin. Adhami ZN, et al. **J Antimicrob Chemother** 1984 Jan; 13(1):87-92

The penetration of trimethoprim and sulphamethoxazole into synovial fluid. Sattar MA, et al. **J Antimicrob Chemother** 1983 Sep;12(3):229-33

Renal handling and lymph concentration of tetroxoprim and metioprim: an experimental study in dogs. Iversen P, et al. **J Urol** 1984 Aug;132(2):362-4

[Pefloxacine: diffusion into bronchial mucus] Morel C, et al. **Pathol Biol (Paris)** 1984 Jun;32(5 Pt 2):516-9 (Eng. Abstr.) (Fre)

PHARMACODYNAMICS

Norfloxacin: in vitro activity compared with that of seven other antibacterial agents against urinary tract pathogens. Digranes A, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1984 Apr; 92(2):101-6

Changing patterns of hospital infections: implications for therapy. Changing mechanisms of bacterial resistance. Neu HC. **Am J Med** 1984 Jul 31;77(1B):11-23 (112 ref.)

Effect of antimicrobial agents and corticosteroids on bovine polymorphonuclear leukocyte chemotaxis. Jayappa HG, et al. **Am J Vet Res** 1983 Nov;44(11):2155-9

In vitro action of combinations of antimicrobial agents and EDTA-tromethamine on Pseudomonas aeruginosa. Wooley RE, et al. **Am J Vet Res** 1983 Aug;44(8):1521-4

In vitro effect of combinations of antimicrobial agents and EDTA-tromethamine on certain gram-positive bacteria. Wooley RE, et al. **Am J Vet Res** 1983 Nov;44(11):2167-9

The effect of bambermycin, carbadox, chlortetracycline and olaquindox on antibiotic resistance in intestinal coliforms: a new animal model. Corpet DE. **Ann Microbiol (Paris)** 1984 Mar-Apr;135(2):329-39

Antimicrobial susceptibility of Bifidobacterium. Matteuzzi D, et al. **Ann Microbiol (Paris)** 1983 May-Jun;134(3):339-49

Synergistic antibacterial activity between L-norvalyl-L-1-aminoethylphosphonic acid and nocardicin A. Angehrn P, et al. **Antimicrob Agents Chemother** 1984 May;25(5):607-11

Comparison of the in vitro activities of ofloxacin and tetracycline against Chlamydia trachomatis as assessed by indirect immunofluorescence. Bailey JM, et al. **Antimicrob Agents Chemother** 1984 Jul;26(1):13-6

Minimal inhibitory concentrations of various antimicrobial agents for human oral anaerobic bacteria. Baker PJ, et al. **Antimicrob Agents Chemother** 1983 Sep;24(3):420-4

Antibacterial activities of ciprofloxacin, norfloxacin, oxolinic acid, cinoxacin, and nalidixic acid. Barry AL, et al. **Antimicrob Agents Chemother** 1984 May;25(5):633-7

Cross-resistance among cinoxacin, ciprofloxacin, DJ-6783, enoxacin, nalidixic acid, norfloxacin, and oxolinic acid after in vitro selection of resistant populations. Barry AL, et al. **Antimicrob Agents Chemother** 1984 Jun;25(6):775-7

Effect of inoculum, pH, and medium on the activity of ciprofloxacin against anaerobic bacteria. Borobio MV, et al. **Antimicrob Agents Chemother** 1984 Mar;25(3):342-3

Comparative in vitro activities of ten antimicrobial agents against bacterial enteropathogens. Carlson JR, et al. **Antimicrob Agents Chemother** 1983 Oct;24(4):509-13

Ciprofloxacin, a quinolone carboxylic acid compound active against aerobic and anaerobic bacteria. Chin NX, et al. **Antimicrob Agents Chemother** 1984 Mar;25(3):319-26

In vitro activity of enoxacin, a quinolone carboxylic acid, compared with those of norfloxacin, new beta-lactams, aminoglycosides, and trimethoprim. Chin NX, et al. **Antimicrob Agents Chemother** 1983 Nov;24(5):754-63

In vitro susceptibility of Nocardia asteroides to 25 antimicrobial agents. Dewsnup DH, et al. **Antimicrob Agents Chemother** 1984 Feb;25(2):165-7

In vitro activity of ciprofloxacin, a new carboxyquinoline antimicrobial agent. Eliopoulos GM, et al. **Antimicrob Agents Chemother** 1984 Mar;25(3):331-5

In vitro activity of ciprofloxacin (Bay o 9867). Fass RJ. **Antimicrob Agents Chemother** 1983 Oct;24(4):568-74

Comparative activities of norfloxacin and fifteen other antipseudomonal agents against gentamicin-susceptible and -resistant Pseudomonas aeruginosa strains. Forward KR, et al. **Antimicrob Agents Chemother** 1983 Oct;24(4):602-4

Comparative in vitro activity of ciprofloxacin against Campylobacter spp. and other bacterial enteric pathogens. Goodman LJ, et al. **Antimicrob Agents Chemother** 1984 Apr;25(4):504-6

In vitro activities of ciprofloxacin, norfloxacin, pipemidic acid, cinoxacin, and nalidixic acid against Chlamydia trachomatis. Heessen FW, et al. **Antimicrob Agents Chemother** 1984 Jan;25(1):123-4

Antimicrobial spectrum of Win 49375. Jacobus NV, et al. **Antimicrob Agents Chemother** 1984 Jul;26(1):104-7

In vitro and in vivo antibacterial activity of AT-2266. Kouno K, et al. **Antimicrob Agents Chemother** 1983 Jul;24(1):78-84

Effect of subminimal inhibitory concentrations of antimicrobial agents on the piliation and adherence of Neisseria meningitidis. Kristiansen BE, et al. **Antimicrob Agents Chemother** 1983 Nov;24(5):731-4

Resistance of gram-negative bacilli as related to hospital use of antimicrobial agents. Ma MY, et al. **Antimicrob Agents Chemother** 1983 Sep;24(3):347-52

Duodeno-pancreatic secretions enhance bactericidal activity of antimicrobial drugs. Mett H, et al. **Antimicrob Agents Chemother** 1984 Jul;26(1):35-8

Comparative activities of ciprofloxacin (Bay o 9867), norfloxacin, pipemidic acid, and nalidixic acid. Muytjens HL, et al. **Antimicrob Agents Chemother** 1983 Aug; 24(2):302-4

In vitro susceptibilities of 393 recent clinical isolates to WIN 49375, cefotaxime, tobramycin, and piperacillin. Pohlod DJ, et al. **Antimicrob Agents Chemother** 1984 Mar; 25(3):377-9

In vitro activities of enoxacin and 17 other antimicrobial agents against multiply resistant, gram-negative bacteria. Rudrik JT, et al. **Antimicrob Agents Chemother** 1984 Jul; 26(1):97-100

Susceptibility of 40 Haemophilus ducreyi strains to 34 antimicrobial products. Slootmans L, et al. **Antimicrob Agents Chemother** 1983 Oct;24(4):564-7

In vitro activity of ciprofloxacin compared with those of other new fluorinated piperazinyl-substituted quinoline derivatives. Van Caekenberghe DL, et al. **Antimicrob Agents Chemother** 1984 Apr;25(4):518-21

Minimal inhibitory concentrations of 19 antimicrobial agents for 96 clinical isolates of group IVe bacteria. Welch WD, et al. **Antimicrob Agents Chemother** 1983 Sep;24(3):432-3

In vitro activity of fludalanine combined with pentizidone compared with those of other agents. Wise R, et al. **Antimicrob Agents Chemother** 1984 May;25(5):612-7

Antibacterial activity of Wratizolin. Mulczyk M. **Arch Immunol Ther Exp (Warsz)** 1983;31(5):611-3

In vitro comparison of norfloxacin with nalidixic acid, cinoxacin and oxolinic acid. Vuye A. **Arzneimittelforsch** 1983;33(12):1623-7

The activity of rosoxacin, fosfomycin, cefotiam, and spectinomycin on beta-lactamase producing Neisseria gonorrhoeae. Dickgiesser N, et al. **Br J Vener Dis** 1984 Jun;60(3):154-6

Antimicrobial sensitivity of Neisseria gonorrhoeae. Comparison of penicillinase producing and non-penicillinase producing strains. Herzog C, et al. **Br J Vener Dis** 1983 Oct;59(5):289-92

Milk hygiene in nomadic herds in Kenya evaluated by bacterial isolation, bacterial viability trials in traditionally fermenting milk and drug sensitivity. Nyaga PN, et al. **Bull Anim Health Prod Afr** 1982 Mar;30(1):19-23

A retrospective evaluation of postbreeding infusions in dairy cattle. Dohoo IR. **Can J Comp Med** 1984 Jan;48(1):6-9

Antimicrobial susceptibility of 51 strains of Haemophilus pleuropneumoniae. Gilbride KA, et al. **Can J Comp Med** 1984 Jan;48(1):47-50

Disc sensitivity of gonococci to rosoxacin, tetracycline and beta-lactam antibiotics. Mason PR, et al. **Cent Afr J Med** 1983 Nov;29(11):216-7

In vitro antibiotic susceptibility of Legionellaceae: search for alternative antimicrobial drugs. Traub WH, et al. **Chemotherapy** 1984;30(3):182-7

Effect of seminal plasmin on rRNA synthesis in Saccharomyces cerevisiae. Venkov P, et al. **FEBS Lett** 1984 Jun 25;172(1):21-4

Antimicrobial properties of some plant extracts against bacteria. Mehta P, et al. **Folia Microbiol (Praha)** 1983; 28(6):467-9

Aeruginocine typing & antimicrobial sensitivity patterns of Pseudomonas aeruginosa in postpartum women & neonates. Jain S, et al. **Indian J Med Res** 1983 Jun;77:785-92

Drug sensitivity of Nocardia. Malik AK, et al. **Indian J Pathol Microbiol** 1983 Jan;26(1):15-9

Activity of ciprofloxacin (BAYo 9867) against Pseudomonas aeruginosa and ampicillin-resistant Enterobacteriaceae. Roy C, et al. **Infection** 1983 Nov-Dec;11(6):326-8

In vitro sensitivity of virulent Acanthamoeba culbertsoni to a variety of drugs and antibiotics. Ferrante A, et al. **Int J Parasitol** 1984 Feb;14(1):53-6

Studies of the antibacterial effect of the scandium complex of enterochelin. Plaha DS, et al. **J Antibiot (Tokyo)** 1984 May;37(5):588-95

Susceptibility of clostridia from farm animals to 21 antimicrobial agents including some used for growth promotion. Dutta GN, et al. **J Antimicrob Chemother** 1983 Oct;12(4):347-56

In-vitro susceptibility of salmonellae to antimicrobial agents. Goossens H, et al. **J Antimicrob Chemother** 1984 Jun; 13(6):559-65

Norfloxacin: activity against urinary tract pathogens and factors influencing the emergence of resistance. Greenwood D, et al. **J Antimicrob Chemother** 1984 Apr; 13(4):315-23

The in-vitro activity of ciprofloxacin compared with that of norfloxacin and nalidixic acid. King A, et al. **J Antimicrob Chemother** 1984 Apr;13(4):325-31

Effects of antimicrobials on host defence mechanism. Oleske JM. **J Antimicrob Chemother** 1984 May;13(5):413-5

In-vitro activity of enoxacin (CL-919), a new quinoline derivative, compared with that of other antimicrobial agents. Wise R, et al. **J Antimicrob Chemother** 1984 Mar; 13(3):237-44

Disk diffusion antimicrobial susceptibility testing of members of the family Legionellaceae including erythromycin-resistant variants of Legionella micdadei. Dowling JN, et al. **J Clin Microbiol** 1984 Jun;19(6):723-9

Multicenter evaluation of the proposed quality control limits and interpretive zone standards for in vitro susceptibility testing with norfloxacin. Shungu DL, et al. **J Clin Microbiol** 1983 Oct;18(4):988-91

Transferable drug resistance amongst salmonellae in India--a preliminary report. Mago ML, et al. **J Commun Dis** 1983 Mar;15(1):14-9

Evaluation of a surfactant mixture C31G as a teat dip by a modified excised teat model. Amin MM, et al. **J Dairy Sci** 1984 Feb;67(2):421-6

The antibacterial properties of an Aztec wound remedy. Davidson JR, et al. **J Ethnopharmacol** 1983 Aug; 8(2):149-61

Improvements in medicated tulle dressings. Thomas S, et al. **J Hosp Infect** 1983 Dec;4(4):391-8

Importance of host factors in human salmonellosis caused by multiresistant strains of Salmonella. Riley LW, et al. **J Infect Dis** 1984 Jun;149(6):878-83

Antibacterial activity demonstrated by culture filtrates of Proteus mirabilis isolated from screwworm (Cochliomyia hominivorax) (Diptera: Calliphoridae) larvae. Erdmann GR, et al. **J Med Entomol** 1984 Mar 30;21(2):159-64

Some effects of 1-(2,4-Dichlorophenyl)-4-dimethylamino-methyl-1-none hydrochloride on Escherichia coli GK-19. Khachatourians GG, et al. **J Pharm Sci** 1984 Jun;73(6):803-8

Nalidixic acid analogues and Shigella [letter] Bannatyne RM, et al. **Lancet** 1984 Jul 21;2(8395):172-3

Enoxacin raises plasma theophylline concentrations [letter] Wijnands WJ, et al. **Lancet** 1984 Jul 14;2(8394):108-9

A critical comment on the use of the plate diffusion test for QSAR considerations. Rehn D, et al. **Methods Find Exp Clin Pharmacol** 1983 Sep;5(7):457-60

In vitro activity of norfloxacin in synthetic media and human urine compared to that of cinnoxacin, nalidixic acid and pipemidic acid. Shah PM, et al. **Methods Find Exp Clin Pharmacol** 1983 Dec;5(10):731-4

Drug resistance and R plasmids in Vibrio anguillarum isolated in cultured ayu (Plecoglossus altivelis). Aoki T, et al. **Microbiol Immunol** 1984;28(1):1-9

Drug resistance and conjugative R plasmids in fecal Escherichia coli strains isolated from healthy younger animals (chickens, piglets, calves) and children. Kanai H, et al. **Microbiol Immunol** 1983;27(12):1031-41

In vitro antimycobacterial activity of a new antibacterial substance DL-8280--differentiation between some species of mycobacteria and related organisms by the DL-8280 susceptibility test. Tsukamura M. **Microbiol Immunol** 1983; 27(12):1129-32

Plasmid-determined resistance to antimicrobial drugs and toxic metal ions in bacteria. Foster TJ. **Microbiol Rev** 1983 Sep;47(3):361-409 (444 ref.)

Standardizing antimicrobial disk sensitivity testing. Faler K. **Mod Vet Pract** 1984 Mar;65(3):197-201

Antimicrobial drug susceptibility of Staphylococcus aureus strains isolated from bovine milk. Franklin A, et al. **Nord Vet Med** 1983 Dec;35(12):460-4

Effect of antimicrobial mouthrinses on salivary microflora in healthy subjects. Dahlén G. **Scand J Dent Res** 1984 Feb; 92(1):38-42

Antimicrobial resistance and resistance transfer in anaerobic. A review. Tally FP, et al. **Scand J Gastroenterol [Suppl]** 1984;91:21-30 (18 ref.)

Antimicrobial susceptibility of comma-shaped bacteria isolated from the vagina. Skarin A, et al. **Scand J Infect Dis [Suppl]** 1983;40:81-4

Antimicrobial susceptibility and susceptibility testing of Mycoplasma hominis: a review. Bygdeman SM, et al. **Sex Transm Dis** 1983 Oct-Dec;10(4 Suppl):366-70 (24 ref.)

In vitro sensitivity of 28 bovine isolates of Campylobacter to some commonly used antimicrobials. Al-Mashat RR, et al. **Vet Rec** 1983 Jul 23;113(4):89

Review of antimicrobial growth promoting agents available. Droumev D. **Vet Res Commun** 1983 Dec;7(1-4):85-99 (66 ref.)

Performance promoters in animal nutrition. I. Quantitative factorial analysis of effectiveness. Rosen GD. **Vet Res Commun** 1983 Dec;7(1-4):73-81

Antimicrobial activity of Obioactin. Osaki H, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 Mar; 256(3):328-34

Toxoplasmacidal activity of Obioactin derived from hydrolyzed Toxoplasma immune bovine serum in heterologous cell cultures. Suzuki N, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 Mar;

256(3):356–66
[Anti-inflammatory actions of tanshinone] Gao YG. **Chung Hsi I Chieh Ho Tsa Chih** 1983 Sep;3(5):300–1 (Eng. Abstr.) (Chi)
[Characterization and antibacterial sensitivity of strains of Gram-positive cocci isolated from orally administered solid drugs] Garcia Arribas ML, et al. **J Pharm Belg** 1983 May–Jun;38(3):140–6 (Eng. Abstr.) (Fre)
[Resistance patterns of bovine mastitis pathogens in Switzerland] Schifferli D, et al. **Schweiz Arch Tierheilkd** 1984 Mar;126(3):121–7 (Eng. Abstr.) (Ger)
[In vitro activity of 23 chemotherapeutic agents against Campylobacter jejuni/coli strains isolated from feces] Holländer R. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Dec;256(2):196–201 (Eng. Abstr.) (Ger)
[Sensitivity patterns of enteropathogenic bacteria in the Negev] Alkan M, et al. **Harefuah** 1983 Dec 15; 105(12):405–6 (Eng. Abstr.) (Heb)
[Effect of subinhibitory amounts of antibiotics on E. coli adhesion] Chiarini F, et al. **G Ital Chemioter** 1984 Jan–Aug; 31(1–2):17–21 (Eng. Abstr.) (Ita)
[Epidemiology and chemo-antibiotic sensitivity of Salmonella isolated in the province of Rome during the years 1976–78. Comparison with current data] Faraone P, et al. **G Ital Chemioter** 1982 Jul–Dec;29(2):87–93 (Eng. Abstr.) (Ita)
[Sensitivity of strains of Chlamydia trachomatis to various chemo-antibiotics. Additional observations] Milici M, et al. **G Ital Chemioter** 1984 Jan–Aug;31(1–2):37–40 (Eng. Abstr.) (Ita)
[Sensitivity of nonfermenting gram-negative bacteria of clinical origin to antibacterial preparations] Shchenderov BA, et al. **Antibiotiki** 1984 Mar;29(3):191–5 (Eng. Abstr.) (Rus)
[Antifungal and antimicrobial activity of beta-ionone and vitamin A derivatives] Mikhlin ED, et al. **Prikl Biokhim Mikrobiol** 1983 Nov–Dec;19(6):795–803 (Eng. Abstr.) (Rus)
[Action of dioxidine on the membrane apparatus of the bacterial cell] Rudzit EA, et al. **Prikl Biokhim Mikrobiol** 1983 Sep–Oct;19(5):603–9 (Eng. Abstr.) (Rus)

THERAPEUTIC USE

Impact of the patient at risk on current and future antimicrobial therapy. **Am J Med** 1984 May 15; 76(5A):1–243
Rosoxacin in the therapy of uncomplicated gonorrhea. Romanowski B, et al. **Antimicrob Agents Chemother** 1984 Apr;25(4):455–7
Results of Wratizolin treatment of selected skin diseases with particular reference to those of viral etiology. Wąsik F, et al. **Arch Immunol Ther Exp (Warsz)** 1983;31(5):645–8
Anti-infectious properties of the complex of bivalent copper with 3-mercapto-2-hydroxypropyl ether of dextran (C-79). Wieczorek Z, et al. **Arch Immunol Ther Exp (Warsz)** 1983;31(5):701–5
Infectious disease: new organisms, new diseases and expanding new antimicrobial agents. Petersen EA, et al. **Ariz Med** 1984 Jun;41(6):385–9 (33 ref.)
Treatment of uncomplicated gonorrhoea with rosoxacin (acrosoxacin). Lim KB, et al. **Br J Vener Dis** 1984 Jun; 60(3):157–60
Rosoxacin in the treatment of uncomplicated gonorrhoea in men. Panikabutra K, et al. **Br J Vener Dis** 1984 Aug; 60(4):231–4
Haemophilus influenzae infections. The impact of resistance on the use of aminopenicillins and other antimicrobials in outpatient therapy. Marks MI. **Clin Pediatr (Phila)** 1984 Oct;23(10):535–41
Chemotherapy and periodontal disease—a review. Marder M, et al. **Drug Intell Clin Pharm** 1984 Jun;18(6):466–74 (87 ref.)
Evaluation of domifen bromide in the treatment of acute infectious oral diseases. Scaglione F, et al. **Int J Clin Pharmacol Res** 1983;3(4):261–4
Activity and tolerability of domifen bromide in patients affected by acute infectious dental diseases: a double-blind placebo-controlled trial. Scaglione F, et al. **Int J Clin Pharmacol Res** 1983;3(5):357–61
Canine urinary tract infections: a comparison of in vitro antimicrobial susceptibility test results and response to oral therapy with ampicillin or with trimethoprim-sulfa. Ling GV, et al. **J Am Vet Med Assoc** 1984 Aug 1;185(3):277–81
Sexually transmitted diseases: treatment guidelines: 1982. U.S. Department of Health and Human Services. **J Reprod Med** 1983 Oct;28(10 Suppl):727–39
Tanshinone in the treatment of acne. Wang DB. **J Tradit Chin Med** 1983 Sep;3(3):227–8
The choice of antimicrobial drugs. **Med Lett Drugs Ther** 1984 Mar 2;26(656):19–26
Drugs for anaerobic infections. **Med Lett Drugs Ther** 1984 Sep 28;26(671):87–9
Chemoprophylaxis for recurrent acute otitis media. **Med Lett Drugs Ther** 1983 Nov 11;25(648):102–3
Antimicrobial prophylaxis for surgery. **Med Lett Drugs Ther** 1983 Dec 23;25(651):113–6
Treatment of penicillin-resistant Neisseria gonorrhoeae with oral norfloxacin. Crider SR, et al. **N Engl J Med** 1984 Jul 19;311(3):137–40
Comparison of cefaclor and trimethoprim-sulfamethoxazole in the treatment of acute otitis media. Blumer JL, et al. **Pediatr Infect Dis** 1984 Jan–Feb;3(1):25–9
Antimicrobial therapy for acute otitis media. McCracken GH Jr. **Pediatr Infect Dis** 1984 Jul–Aug;3(4):383–6
New antibiotics and new ways of using older drugs. Nelson JD. **Pediatr Infect Dis** 1984 May–Jun;3(3 Suppl):S2–5
Norfloxacin in acute urinary tract infections. Deaney NB, et al. **Practitioner** 1984 Jan;228(1387):111–7
Anti-infective therapy in the immunosuppressed patient. Hughes WT. **Prog Clin Biol Res** 1983;135:329–39
Nitroimidazoles as chemotherapeutic agents. Nair MD, et al. **Prog Drug Res** 1983;27:163–252 (453 ref.)
Antimicrobial therapy for anaerobic infections. Finegold SM. **Scand J Gastroenterol [Suppl]** 1984;91:61–72
Infections in bone marrow transplant recipients. van der Meer JW, et al. **Semin Hematol** 1984 Apr;21(2):123–40 (122 ref.)
Chronic cough and sinusitis in children—the role of antimicrobials. Yun DJ, et al. **Yonsei Med J** 1983; 24(1):67–75
Studies on the activity of Obioactin with acetylspiramycin on mice infected with Toxoplasma gondii. Suzuki N, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 Mar; 256(3):367–80
[Comparative double-blind clinical study of co-tetroxazine and amoxicillin in common ENT infections] Zbären P, et al. **Praxis** 1983 Nov 22;72(47):1491–3 (Eng. Abstr.) (Fre)
[Winuron – alternative single-dose therapy of gonorrhea] Fechner WC, et al. **Z Hautkr** 1983 Aug 15;58(16):1165–76 (Eng. Abstr.) (Ger)
[Antimicrobial treatment in staphylococcal aureus endocarditis] Groskopf I, et al. **Harefuah** 1984 Apr 1; 106(7):318–9 (Heb)
[Chemotherapeutic effectiveness of gentamycin, tobramycin and sisomycin in Pseudomonas aeruginosa pyelonephritis in rats compared with dioxidine] Zinchenko TA, et al. **Antibiotiki** 1984 Mar;29(3):214–20 (Eng. Abstr.) (Rus)
[Treatment of purulent wounds with ethonium] Kavkalo DN. **Klin Khir** 1984 Jan;(1):47–9 (Eng. Abstr.) (Rus)
[8-hydroxyquinoline derivatives as wide-spectrum chemotherapeutic agents] Chernomordik AB. **Klin Med (Mosk)** 1984 Feb;62(2):133–6 (Eng. Abstr.) (Rus)
[Use of antimicrobial preparations in preventing the suppurative complications of abdominal operations] Korepanova VI, et al. **Sov Med** 1984;(1):73–7 (Rus)
[Anti-infection action of synthetic glycopeptides in an experiment on mice] Nikitina LE, et al. **Tr Inst Pastera** 1982;58:62–4 (Rus)
[Use of adapted Maliutka and Malysh Propionibacterium acidophilus mixtures in the combined treatment of acute diseases of the gastrointestinal tract in infants] Nabukhotnyi TK, et al. **Vopr Pitan** 1983 Nov–Dec;(6):27–30 (Eng. Abstr.) (Rus)
[Therapeutic aspects of pulmonary infections in especially susceptible patients] Cobos Barroso N. **An Esp Pediatr** 1983 Sep;19 Suppl 19:1–5 (Spa)
[Advance in the treatment of intestinal parasitosis] Biagi F, et al. **Rev Gastroenterol Mex** 1983 Oct–Dec;48(4):215–7 (Spa)

TOXICITY

Bronopol allergic contact dermatitis. Peters MS, et al. **Contact Dermatitis** 1983 Sep;9(5):397–401
Reproductive toxicological evaluation of Omadine MDS. Johnson DE, et al. **Fundam Appl Toxicol** 1984 Feb; 4(1):81–90
Kathon biocide: manifestation of delayed contact dermatitis in guinea pigs is dependent on the concentration for induction and challenge. Chan PK, et al. **J Invest Dermatol** 1983 Nov;81(5):409–11
[Comparative study of dioxidine and quinoxidine in a chronic toxicology experiment] Gus'kova TA, et al. **Farmakol Toksikol** 1984 Jan–Feb;47(1):104–9 (Eng. Abstr.) (Rus)

ANTI-INFECTIVE AGENTS, LOCAL

see related
DISINFECTANTS

Clarification of guideline recommendations on generic antiseptic, disinfectant and other products [letter] Hughes JM. **Am J Infect Control** 1984 Feb;12(1):68
Phenoxyethanol as a nontoxic substitute for formaldehyde in long-term preservation of human anatomical specimens for dissection and demonstration purposes. Frølich KW, et al. **Anat Rec** 1984 Feb;208(2):271–8
In vitro antibacterial activity of concentrated polyethylene glycol 400 solutions. Chirife J, et al. **Antimicrob Agents Chemother** 1983 Sep;24(3):409–12
Benefits of alcohol rediscovered. Beck WC. **AORN J** 1984 Aug;40(2):172–6
Handwashing agents. Crow S. **Infect Control** 1983 Sep–Oct; 4(5):404
Antiseptics and disinfectants—safe and effective? [editorial] Rutala WA, et al. **Infect Control** 1984 May;5(5):215–8
Effects of preservatives, steroids, and ethylenediaminetetraacetate on the antimicrobial activity of sulfacetamide. Houlsby RD, et al. **J Pharm Sci** 1983 Dec;72(12):1401–3
The effect of a microbicidal cleaner on the retentive strength of two cements. Richter WA, et al. **J Prosthet Dent** 1984 Jan;51(1):46–8
Hand-washing and antiseptics [letter] Reiss-Levy E, et al. **Med J Aust** 1984 Feb 18;140(4):245
Investigations on the antimicrobial activity of linear esters of 1,3-dihydroxybutane. Rehn D, et al. **Pharm Acta Helv** 1984;59(5–6):162–5
The most indolent ulcers of the skin treated with porcine xenografts and silver ions. Ersek RA, et al. **Surg Gynecol Obstet** 1984 May;158(5):431–6
Postmilking teat antisepsis. Pankey JW. **Vet Clin North Am [Large Anim Pract]** 1984 Jul;6(2):335–48
[Local hemostasis in surgical practice] Asoian GA, et al. **Vestn Khir** 1984 Apr;132(4):14–9 (Eng. Abstr.) (Rus)

ADMINISTRATION & DOSAGE

A new in vivo model for the evaluation of topical antiseptics on superficial wounds. The effect of 70% alcohol and povidone-iodine solution. Mertz PM, et al. **Arch Dermatol** 1984 Jan;120(1):58–62
Fugasit: a new topical agent. Sorensen B, et al. **Panminerva Med** 1983 Jul–Sep;25(3):147–9
Taurolidine instillation as therapy for empyema thoracis. A prospective study of 50 patients. Conlan AA, et al. **S Afr Med J** 1983 Oct 15;64(17):653–5
[Collyrex collyrium in patients wearing soft lenses] Caissial C, et al. **Bull Soc Ophtalmol Fr** 1983 Feb;83(2):213–6 (Eng. Abstr.) (Fre)
[Antibacterial activity in vitro of ear drops in common use in Israel] Nir M, et al. **Harefuah** 1983 Apr 15;104(8):334–6 (Heb)
[Local treatment of suppurative wounds] Datsenko BM, et al. **Khirurgiia (Mosk)** 1984 Jan;(1):136–41 (Rus)
[Multicomponent ointments with hydrophilic bases for the treatment of purulent wounds] Datsenko BM, et al. **Klin Khir** 1984 Jan;(1):10–4 (Eng. Abstr.) (Rus)
[Ultrasonic cavitation with antibacterial preparations in the primary surgical treatment of wounds] Mikhel'son ER, et al. **Ortop Travmatol Protez** 1983 Oct;(10):58 (Rus)
[Elimination of a stable residual pleural cavity with an antibacterial fibrin filling] Chepcheruk GS, et al. **Vestn Khir** 1984 Jun;132(6):10–4 (Eng. Abstr.) (Rus)
[Electron microscopic study of the liver after experimentally resecting it and covering its surface with BAPP and BAPK] Penchev R, et al. **Vestn Khir** 1984 Feb;132(2):32–5 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

Contact allergy to xeroform in leg ulcer patients. Wereide K, et al. **Contact Dermatitis** 1983 Nov;9(6):525–6

ANALYSIS

Quantitative determination of hexamidine isethionate in pharmaceutical preparations by high-performance liquid chromatography. Taylor P, et al. **J Pharm Sci** 1983 Dec; 72(12):1477–8

ANTAGONISTS & INHIBITORS

[Verification of the effectiveness of neutralization in the in vivo study of antiseptics] Reverdy ME, et al. **Pathol Biol (Paris)** 1984 Jun;32(5 Pt 2):588–90 (Eng. Abstr.) (Fre)

HISTORY

Classic articles in colonic and rectal surgery. Henry Drysdale Dakin 1880–1952. On the use of certain antiseptic substances in the treatment of infected wounds. **Dis Colon Rectum** 1983 May;26(5):354–8

METABOLISM

Deposition of 3,4,4'-trichlorocarbanilide on human skin. North-Root H, et al. **Toxicol Lett** 1984 Aug;22(2):235–9
[Compatibility and efficacy of Meditonsin] Loew D, et al. **Fortschr Med** 1984 Mar 29;102(12):352–4 (Eng. Abstr.) (Ger)

PHARMACODYNAMICS

Effects of handwashing agent, handwashing frequency, and clinical area on hand flora. Larson E. **Am J Infect Control** 1984 Apr;12(2):76–82
Correlation of microenvironmental drug concentration with inhibition of growth of microorganisms on surfaces. Cesar EY, et al. **Antimicrob Agents Chemother** 1983 Dec; 24(6):941–6
Antiseptics and the casualty wound [letter] Stringer MD, et al. **J Hosp Infect** 1983 Dec;4(4):410–2
The effect of surface adsorption and staining reactions on the antimicrobial properties of some cationic antiseptic mouthwashes. Moran J, et al. **J Periodontol** 1984 May; 55(5):278–82
Effect of nutrient depletion on the sensitivity of Pseudomonas cepacia to antimicrobial agents. Cozens RM, et al. **J Pharm Sci** 1983 Nov;72(11):1363–5
[Model for studying the cytotoxicity and antibacterial activity of antiseptics] Campion G, et al. **Ann Pharm Fr** 1983; 41(4):373–83 (Eng. Abstr.) (Fre)
[Experimental models for the study of antiseptics] Bourlioux P, et al. **Pathol Biol (Paris)** 1984 Jun;32(5 Pt 2):607–10 (Eng. Abstr.) (Fre)
[Multicenter study in actual situations of the activity of an antiseptic in the surgical washing of hands] Crémieux A,

et al. **Pathol Biol (Paris)** 1984 Jun;32(5 Pt 2):599–603 (Eng. Abstr.) **(Fre)**

[In vitro virucidal activity of antiseptics and disinfectants. I. Draft of the AFNOR virucidal activity standard] Garrigue G. **Pathol Biol (Paris)** 1984 Jun;32(5 Pt 2):640–2 (Eng. Abstr.) **(Fre)**

[In vitro virucidal activity of antiseptics and disinfectants. III. Dilution–ultrafiltration–reconcentration technic] Garrigue G, et al. **Pathol Biol (Paris)** 1984 Jun;32(5 Pt 2):647–50 (Eng. Abstr.) **(Fre)**

[In vitro virucidal activity of antiseptics and disinfectants. II. Simple dilution technic] Garrigue G, et al. **Pathol Biol (Paris)** 1984 Jun;32(5 Pt 2):643–6 (Eng. Abstr.) **(Fre)**

[Determination of the virucidal activity of antiseptics by a gel filtration method] Quero AM, et al. **Pathol Biol (Paris)** 1984 Jun;32(5 Pt 2):636–9 (Eng. Abstr.) **(Fre)**

[Effectiveness of 9 soaps and/or antiseptics on hand flora after surgical-type washing] Reverdy ME, et al. **Pathol Biol (Paris)** 1984 Jun;32(5 Pt 2):591–5 (Eng. Abstr.) **(Fre)**

[Multicenter study of the antimicrobial activity of antiseptics on the hands. Protocols and results] Savage C, et al. **Pathol Biol (Paris)** 1984 Jun;32(5 Pt 2):581–4 (Eng. Abstr.) **(Fre)**

[Effect of various antiseptics on Chlamydia trachomatis] Thomas D, et al. **Pathol Biol (Paris)** 1984 Jun;32(5 Pt 2):544–6 (Eng. Abstr.) **(Fre)**

[Effectiveness of antimicrobial treatment of carpets in the hospital. II. Durability and mutagenicity] Tiedemann G, et al. **Off Gesundheitswes** 1983 Dec;45(12):631–5 **(Ger)**

[Antimicrobial properties of dental restoration materials] Welker D, et al. **Zahn Mund Kieferheilkd** 1984; 72(4):291–304 (Eng. Abstr.) **(Ger)**

[Efficacy of the throat disinfectant Neo-angin] Götz H, et al. **ZFA (Stuttgart)** 1982 Dec 10;58(34):1899–902 **(Ger)**

[Mechanism of action of ectericide on Mycobacterium tuberculosis] Dikiĭ IL, et al. **Probl Tuberk** 1984 Mar; (3):60–4 (Eng. Abstr.) **(Rus)**

[Usefulness of the antiseptigram in the management of infected wounds (letter)] Becerra E, et al. **Rev Med Chil** 1983 Jun;111(6):601–2 **(Spa)**

THERAPEUTIC USE

Topical chlorhexidine diphosphanilate (WP-973) in burn wound sepsis. McManus AT, et al. **Arch Surg** 1984 Feb; 119(2):206–11

Intraperitoneal antiseptics in experimental bacterial peritonitis. Platt J, et al. **Br J Surg** 1984 Aug;71(8):626–8

Surgical antiseptics. Sebben JE. **J Am Acad Dermatol** 1983 Nov;9(5):759–65

An experimental evaluation of antiseptic wound irrigation. Platt J, et al. **J Hosp Infect** 1984 Jun;5(2):181–8

[Bacteriology of the periapex, focal consequences and principles of present-day antiseptics] Boy-Lefèvre ML, et al. **Rev Odontostomatol (Paris)** 1983 Sep–Oct;12(5):331–6 **(Fre)**

[Effect of temperature on the use of sodium hypochlorite as a bactericide in root canal therapy] Cavalleri G. **Minerva Stomatol** 1983 Jul–Aug;32(4):613–6 (13 ref.) (Eng. Abstr.) **(Ita)**

[Urea as an antimicrobial and dehydration agent for the local treatment of suppurative surgical infection] Tiukina AA, et al. **Vestn Khir** 1984 Jul;132(7):57–9 (Eng. Abstr.) **(Rus)**

TOXICITY

The corneal toxicity of presurgical skin antiseptics. Mac Rae SM, et al. **Am J Ophthalmol** 1984 Feb;97(2):221–32

Mutagenicity of two non-formaldehyde-forming antimicrobial agents [letter] Monte WC, et al. **Food Chem Toxicol** 1983 Oct;21(5):695–6

[Evaluation of the cytotoxicity of an antiseptic by a photometric micrometod] Fleury C, et al. **Pathol Biol (Paris)** 1984 Jun;32(5 Pt 2):628–30 (Eng. Abstr.) **(Fre)**

ANTI-INFECTIVE AGENTS, URINARY

ADMINISTRATION & DOSAGE

Malacoplakia of the bladder: a case report of resolution with bethanechol, trimethoprim-sulfamethoxazole and ascorbic acid. Stanton MJ, et al. **J Urol** 1983 Dec;130(6):1174–5

Intraprostatic concentrations of ciprofloxacin after intravenous administration [letter] Boerema JB, et al. **Lancet** 1984 Sep 22;2(8404):695–6

Methenamine mandelate with acidification: an effective urinary antiseptic in patients with neurogenic bladder. Kevorkian CG, et al. **Mayo Clin Proc** 1984 Aug;59(8):523–9

ADVERSE EFFECTS

Trimethoprim-sulfamethoxazole: another cause of recurrent meningitis [letter] Haas EJ. **JAMA** 1984 Jul 20;252(3):346

Hepatitis in a dog given sulfadiazine-trimethoprim and cyclophosphamide. Anderson WI, et al. **Mod Vet Pract** 1984 Feb;65(2):115

Trimethoprim—sulfamethoxazole-related hypoglycemia in a patient with renal failure. Frankel MC, et al. **NY State J Med** 1984 Jan;84(1):30–1

Review of adverse reactions associated with cinoxacin and other drugs used to treat urinary tract infections. Burt RA. **Urology** 1984 Jan;23(1):101–7

[Toxic epidermal necrolysis. A case caused by sulphamethoxazole combined with trimethoprim] Petersen P, et al. **Ugeskr Laeger** 1983 Oct 24;145(43):3345–6 (Eng. Abstr.) **(Dan)**

[Paraplegia syndrome following the use of co-trimoxazole] Muntendam H, et al. **Ned Tijdschr Geneeskd** 1984 Apr 7; 128(14):678–80 (Eng. Abstr.) **(Dut)**

[Serous macular detachment and treatment with flumequine (Apurone = urinary antibacterial). Apropos of 2 cases] Sirbat D, et al. **Bull Soc Ophtalmol Fr** 1983 Aug–Sep; 83(8–9):1019–21 (Eng. Abstr.) **(Fre)**

[Serous macular detachment of the neuro-epithelium and flumequine] Sirbat D, et al. **J Fr Ophtalmol** 1983; 6(10):829–36 (Eng. Abstr.) **(Fre)**

METABOLISM

Pharmacokinetics of norfloxacin (MK 366) in patients with impaired kidney function—some preliminary results. Hughes PJ, et al. **J Antimicrob Chemother** 1984 May;13 Suppl B:55–7

Norfloxacin—a review of pharmacology and tissue penetration. Wise R. **J Antimicrob Chemother** 1984 May; 13 Suppl B:59–64 (11 ref.)

[Co-trimoxazole concentration in the prostatic fluid of patients with subacute and chronic prostatitis] Hofstetter A, et al. **Fortschr Med** 1984 Mar 8;102(9):244–6 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Quinolone antibiotics inhibit eucaryotic DNA polymerase alpha and beta, terminal deoxynucleotidyl transferase but not DNA ligase. Rusquet R, et al. **Biochem Biophys Res Commun** 1984 Jun 29;121(3):762–9

The effect of cotrimoxazole on oral contraceptive steroids in women. Grimmer SF, et al. **Contraception** 1983 Jul; 28(1):53–9

Comparative in vitro activities of norfloxacin (MK-0366) and six commonly used antimicrobial agents against 199 urinary isolates showing various degrees of antibiotic resistance. Corigliano BE, et al. **Diagn Microbiol Infect Dis** 1984 Apr; 2(2):101–6

Norfloxacin (MK-0366, AM-715): in vitro activity and cross-resistance with other organic acids including quality control limits for disk diffusion testing. Jones RN, et al. **Diagn Microbiol Infect Dis** 1983 Jun;1(2):165–72

Investigations into the mechanism of action of the antibacterial agent norfloxacin. Crumplin GC, et al. **J Antimicrob Chemother** 1984 May;13 Suppl B:9–23

Frequency of appearance of resistant variants to norfloxacin and nalidixic acid. Duckworth GJ, et al. **J Antimicrob Chemother** 1984 May;13 Suppl B:33–8

The assessment of antimicrobial activity in an in-vitro model of the treatment of bacterial cystitis. Greenwood D. **J Antimicrob Chemother** 1984 May;13 Suppl B:43–8

Bactericidal effects of norfloxacin towards bacteria in urine. Lacey RW, et al. **J Antimicrob Chemother** 1984 May;13 Suppl B:49–54

Comparative susceptibilities of penicillin-resistant pneumococci to co-trimoxazole, vancomycin, rifampicin and fourteen beta-lactam antibiotics. Liñares J, et al. **J Antimicrob Chemother** 1984 Apr;13(4):353–9

The antimicrobial spectrum of norfloxacin. Newsom SW. **J Antimicrob Chemother** 1984 May;13 Suppl B:25–31

In-vitro studies with ciprofloxacin, a new 4-quinolone compound. Reeves DS, et al. **J Antimicrob Chemother** 1984 Apr;13(4):333–46

[Variations in vitro of the efficacy of quinolones as a function of pH] François B, et al. **Nephrologie** 1983;4(6):259–62 (Eng. Abstr.) **(Fre)**

[Comparative studies of antimicrobial agents against causative organisms isolated from urinary tract infections (1982). I. Susceptibility distribution] Kosakai N, et al. **Jpn J Antibiot** 1984 Apr;37(4):680–722 (Eng. Abstr.) **(Jpn)**

[Sensitivity of Prototheca zopfii to antifungal, chemotherapeutic and sulfamide agents] Casal M, et al. **Rev Latinoam Microbiol** 1983 Oct–Dec;25(4):259–62 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

Bacterial changes in the urine samples of patients with long-term indwelling catheters. Breitenbucher RB. **Arch Intern Med** 1984 Aug;144(8):1585–8

Comparison of single dose with a 5-day course of co-trimoxazole for asymptomatic (covert) bacteriuria of pregnancy. Bailey RR, et al. **Aust NZ J Obstet Gynaecol** 1983 Aug;23(3):139–41

Treatment of acute gonococcal urethritis in men with simultaneous infection with Chlamydia trachomatis. Csángó PA, et al. **Br J Vener Dis** 1984 Apr;60(2):95–8

Augmentin (amoxycillin-clavulanic acid) compared with co-trimoxazole in urinary tract infections. Fancourt GJ, et al. **Br Med J [Clin Res]** 1984 Jul 14;289(6437):82–3

Somatic growth in girls receiving low dose prophylactic co-trimoxazole. Smellie JM, et al. **Br Med J [Clin Res]** 1983 Sep 24;287(6396):875

Vesicoureteral reflux: a comparison of non-surgical and surgical management. Bellinger MF, et al. **Contrib Nephrol** 1984;39:81–93

Urinary tract infections in the elderly. Bell DP, et al. **Geriatrics** 1983 Nov;38(11):42–8

Norfloxacin—a new quinolone for urinary infection. **J Antimicrob Chemother** 1984 May;13 Suppl B:1–142

A review of urinary tract infection in the elderly. Bendall MJ. **J Antimicrob Chemother** 1984 May;13 Suppl B:69–78 (23 ref.)

A review of the problem of urinary infection management and the evaluation of a potential new antibiotic. Brumfitt W, et al. **J Antimicrob Chemother** 1984 May;13 Suppl B:121–33 (32 ref.)

Treatment of simple urinary tract infections in general practice with a 3-day course of norfloxacin. Kirby CP. **J Antimicrob Chemother** 1984 May;13 Suppl B:107–12

The treatment of Pseudomonas aeruginosa urinary tract infections with norfloxacin. Leigh DA, et al. **J Antimicrob Chemother** 1984 May;13 Suppl B:85–8

Comparative study using norfloxacin and amoxycillin in the treatment of complicated urinary tract infections in geriatric patients. Leigh DA, et al. **J Antimicrob Chemother** 1984 May;13 Suppl B:79–83

Treatment of acute urinary infection by norfloxacin or nalidixic acid/citrate: a multi-centre comparative study. Reeves DS, et al. **J Antimicrob Chemother** 1984 May;13 Suppl B:99–105

Norfloxacin, amoxycillin, cotrimoxazole and nalidixic acid. A summary of 3-day and 7-day therapy studies in the treatment of urinary tract infections. Vogel R, et al. **J Antimicrob Chemother** 1984 May;13 Suppl B:113–20

Norfloxacin versus cotrimoxazole in the treatment of uncomplicated urinary tract infections—a multi-centre trial. Watt B, et al. **J Antimicrob Chemother** 1984 May;13 Suppl B:89–94

Antibacterial prophylaxis during intermittent catheterization [editorial] Van Scoy RE. **Mayo Clin Proc** 1984 Aug; 59(8):573

Treatment of peritonitis in continuous ambulatory peritoneal dialysis patients with co-trimoxazole. Glasson P, et al. **Nephron** 1984;36(1):65–7

Comparison of augmentin with co-trimoxazole for treatment of uncomplicated urinary tract infections. Bailey RR, et al. **NZ Med J** 1983 Nov 23;96(744):970–2

Alpha heavy chain disease developing in an Asian resident in the United Kingdom and responding to antibiotics. Ross IN, et al. **Postgrad Med J** 1983 Jul;59(693):443–6

[Conservative treatment of fertility disorders in chronic nonspecific prostatitis] Tsvetkov D, et al. **Akush Ginekol (Sofiia)** 1984;23(3):262–6 (Eng. Abstr.) **(Bul)**

[Chemotherapy for bacterial infections in renal transplantation and recent antibacterial agents] Ohkoshi M. **Hinyokika Kiyo** 1983 Dec;29(12):1567–77 (11 ref.) (Eng. Abstr.) **(Jpn)**

[Choice of treatment in recurrent urinary infections in childhood] Sánchez Bayle M, et al. **An Esp Pediatr** 1984 Jan;20(1):28–32 (Eng. Abstr.) **(Spa)**

[Treatment of urinary tract infections in children with trimethoprim-sulfamethoxypyridazine] Rodríguez W, et al. **Rev Chil Pediatr** 1983 Nov–Dec;54(6):402–6 (Eng. Abstr.) **(Spa)**

URINE

Formaldehyde generation from methenamine salts in spinal cord injury. Devenport JK, et al. **Arch Phys Med Rehabil** 1984 May;65(5):257–9

ANTI-INFLAMMATORY AGENTS

see related
ANALGESICS, ANTI-INFLAMMATORY

Proceedings of the 4th European Workshop on Inflammation, Antwerp, Belgium, 15–16 March, 1982. **Agents Actions** 1983 Aug;13(5–6):389–521

Anti-inflammatory effects of muramyl dipeptide in experimental models of acute inflammation. Zidek Z, et al. **Agents Actions** 1984 Jan;14(1):72–5

Economical use of nonsteroidal anti-inflammatory drugs [letter] Flynn TJ, et al. **Arch Intern Med** 1984 Sep; 144(9):1897

Quantitative structure-activity relationships. Antiinflammatory activity of salicylic acid derivatives. Gombar V, et al. **Arzneimittelforsch** 1983;33(9):1226–30

Investigation of the dose-response relationship upon intraperitoneal administration of coumarin and 7-hydroxycoumarin on the carrageenan induced edema of the rat hind paw. Hardt TJ, et al. **Arzneimittelforsch** 1983; 33(12):1662–6

Studies on the anti-inflammatory activity and ulcerogenic adverse effect of thiazole derivatives, especially 2-amino-thiazoleacetic acid derivatives. Nagatomi H, et al. **Arzneimittelforsch** 1984;34(5):599–603

Nerve growth factor—an enigma still? Banks BE. **Biochem Soc Trans** 1984 Apr;12(2):173–6

Comparison of 12 different containers for dispensing anti-inflammatory drugs. Le Gallez P, et al. **Br Med J [Clin Res]** 1984 Mar 3;288(6418):699–701

Anti-inflammatory activity of nandrolone phenylpropionate. Diwan PV, et al. **Indian J Exp Biol** 1983 Oct;21(10):569–71

Antiinflammatory properties of a hydroperoxide compound, structurally related to acetylsalicylic acid. Killackey JJ, et al. **Inflammation** 1984 Jun;8(2):157–69

Anti-inflammatory and pharmacokinetic properties of superoxide dismutase derivatized with polyethylene glycol via active esters. Veronese FM, et al. **J Pharm Pharmacol** 1983 Nov;35(11):757–8

Studies on the mechanism of anti-inflammatory activities of papyriogenin a and papyriogenin C. Sugishita E, et al. **J Pharmacobiodyn** 1983 May;6(5):287–94

Polysaccharides in fungi. XIV. Anti-inflammatory effect of the polysaccharides from the fruit bodies of several fungi. Ukai S, et al. **J Pharmacobiodyn** 1983 Dec;6(12):983–90

Circadian changes in carrageenin-induced edema: the anti-inflammatory effect and bioavailability of phenylbutazone in rats. Loubaris N, et al. **Life Sci** 1984 Jun 11;34(24):2379–84

The concept of anti-inflammatory peptides. Somerfield SD. **NZ Med J** 1984 May 9;97(755):298–300

Anti-inflammatory activity of amino acyl benzoates. Verma M, et al. **Pharmacol Res Commun** 1984 Jan;16(1):9–20

Models of arthritis and the search for anti-arthritic drugs. Billingham ME. **Pharmacol Ther** 1983;21(3):389–428 (120 ref.)

Spectroscopic studies of cutaneous photosensitizing agents—IV. The photolysis of benoxaprofen, an anti-inflammatory drug with phototoxic properties. Reszka K, et al. **Photochem Photobiol** 1983 Sep;38(3):281–91

The anti-inflammatory mechanism of MK-447 in rat carrageenin-induced pleurisy. Harada Y, et al. **Prostaglandins** 1983 Jul;26(1):79–90

Prostaglandin biosynthesis is not affected by the anti-inflammatory effect of turpentine. Deflandre E, et al. **Prostaglandins Leukotrienes Med** 1983 Oct;12(2):179–88

Syntheses of deuterated phenylpropionic acid derivatives. Mori Y, et al. **Radioisotopes** 1983 Nov;32(11):533–8

Anticoagulant properties of three mucopolysaccharides used in rheumatology. Bauer F, et al. **Thromb Haemost** 1983 Oct 31;50(3):652–5

[Vascular effects of dialkylaminoalkyl ethers of eurapone or isomers of euparone] Riffaud JP, et al. **Ann Pharm Fr** 1983; 41(6):603–10 (Eng. Abstr.) (Fre)

[Anti-edematous action of a hexane extract of the stone fruit of Serenoa repens Bartr.] Tarayre JP, et al. **Ann Pharm Fr** 1983;41(6):559–70 (Eng. Abstr.) (Fre)

[Comparative antiallergic and anti-inflammatory action of F1865, mepyramine maleate, desonide and disodium cromoglycate after cutaneous administration] Tarayre JP, et al. **J Pharmacol** 1984 Jan–Mar;15(1):37–51 (Eng. Abstr.) (Fre)

[Anti-inflammatory activity of extracts of Crassocephalum multicorymbosum] Chagnon M, et al. **Planta Med** 1983 Dec;49(4):255–6 (Eng. Abstr.) (Fre)

[Pharmacologic studies on chamomile compounds. VI. Studies on the antiphlogistic effect of chamazulene and matricine] Jakovlev V, et al. **Planta Med** 1983 Oct; 49(2):67–73 (Eng. Abstr.) (Ger)

[Thermographic analysis of precipitates formed by the interaction of active ingredients and additives] Stampf G, et al. **Acta Pharm Hung** 1983 Nov;53(6):268–72 (Eng. Abstr.) (Hun)

[Interaction of suprofen and serum albumin] Hasegawa J, et al. **Nippon Yakurigaku Zasshi** 1984 Jan;83(1):85–91 (Eng. Abstr.) (Jpn)

ADMINISTRATION & DOSAGE

Practical points on nonsteroidal anti-inflammatory drugs. Panush RS, et al. **Am Fam Physician** 1984 Mar;29(3):258–62

Physician beliefs, attitudes, and prescribing behavior for anti-inflammatory drugs. Epstein AM, et al. **Am J Med** 1984 Aug;77(2):313–8

Auranofin: dose–related risk to benefit. Weiss TE. **Am J Med** 1983 Dec 30;75(6A):128–32

A new model of osteoarthritis in rabbits. III. Evaluation of anti–osteoarthritic effects of selected drugs administered intraarticularly. Butler M, et al. **Arthritis Rheum** 1983 Nov; 26(11):1380–6

Oral gold: a comparison with placebo and with intramuscular sodium aurothiomalate. Lewis D, et al. **Clin Rheumatol** 1984 Mar;3 Suppl 1:83–96

A multicenter, double–blind comparison of oxaprozin, phenylbutazone, and placebo therapy in patients with tendinitis and bursitis. **Clin Ther** 1983;6(1):79–85

Etodolac, aspirin, and placebo in patients with rheumatoid arthritis: a 12–week study. Edwards W. **Clin Ther** 1983; 5(5):495–503

Once–daily treatment of rheumatoid arthritis with choline magnesium trisalicylate. Mann CC, et al. **Clin Ther** 1984; 6(2):170–7

Clinical evaluation of non–steroid topical anti–inflammatory agents. Singh YP, et al. **Indian J Ophthalmol** 1983 Sep; 31(5):570–4

Double–blind comparison of single oral doses of oxaprozin, aspirin, and placebo for relief of post–operative oral surgery pain. Winter L Jr, et al. **J Int Med Res** 1983;11(5):308–14

Operative treatment versus steroid injection in the management of unicameral bone cysts. Oppenheim WL, et al. **J Pediatr Orthop** 1984 Jan;4(1):1–7

Gold in rheumatoid arthritis therapy today. Dosage. Husby G. **Scand J Rheumatol [Suppl]** 1983;51:122–4 (11 ref.)

[Treatment of rheumatoid arthritis with the oral gold preparation Auranofin] Trnavský K, et al. **Cas Lek Cesk** 1982 Nov 11;122(45):1382–4 (Eng. Abstr.) (Cze)

[Frequency of administration of nonsteroidal antirheumatic agents with a long biological half–life. A clinical trial with piroxicam] Pavelka K. **Fysiatr Reumatol Vestn** 1984 Feb; 62(1):18–25 (Eng. Abstr.) (Cze)

[Peroxinorm (Orgotein) in the intra–articular treatment of deforming gonarthroses] Vachtenheim J, et al. **Fysiatr Reumatol Vestn** 1983 Oct;61(5):270–6 (Eng. Abstr.) (Cze)

[Dose–dependent changes in the elasticity of cartilage following incubation in drugs of intra–articular applicability] Ebens B, et al. **Z Rheumatol** 1983 Jul–Aug; 42(4):216–7 (Ger)

[Evaluation of the effect of analgesics/antiphlogistics on the progression of spontaneous arthrosis in the C57 black mouse] Maier R, et al. **Z Rheumatol** 1983 Jul–Aug; 42(4):232–4 (Ger)

[Perclusone ointment; clinical evaluation] Gburek Z. **Reumatologia** 1982;20(3–4):221–3 (Pol)

[Treatment of rheumatoid arthritis in children with nonsteroidal anti–inflammatory preparations] Ulybina OV. **Pediatriia** 1983 Dec;(12):46 (Rus)

[Clinico–immunological analysis of the use of nonsteroid anti–inflammatory agents in rheumatoid arthritis] Beneson EV, et al. **Revmatologiia (Moskva)** 1984 Jan–Mar;(1):38–40 (Eng. Abstr.) (Rus)

[Effect of combined chrisanol and balneological treatment on the clinical indicators and permeability of the synovian membrane in patients with rheumatoid arthritis] Taletene IP, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Mar–Apr;(2):28–31 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

Photosensitivity induced by piroxicam. Fjellner B. **Acta Derm Venereol (Stockh)** 1983;63(6):557–8

Side–effects of piroxicam (Feldene). A one–year material of 103 reports from Norway. Laake K, et al. **Acta Med Scand** 1984;215(1):81–3

Piroxicam–induced renal failure [letter] Herschberg SN. **Am Fam Physician** 1983 Nov;28(5):30

Nephrotoxicity of nonsteroidal anti–inflammatory drugs. Khokhar N. **Am Fam Physician** 1984 Jul;30(1):123–8

Renal insufficiency associated with nonsteroidal anti–inflammatory agents. Corwin HL, et al. **Am J Kidney Dis** 1984 Sep;4(2):147–52

Interstitial nephritis, proteinuria, and renal failure caused by nonsteroidal anti–inflammatory drugs. Immunologic characterization of the inflammatory infiltrate. Bender WL, et al. **Am J Med** 1984 Jun;76(6):1006–12

Side effect and safety data for fenbufen. Crossley RJ. **Am J Med** 1983 Oct 31;75(4B):84–90

Glomerular and interstitial disease induced by nonsteroidal anti–inflammatory drugs. Abraham PA, et al. **Am J Nephrol** 1984 Jan–Feb;4(1):1–6

Adrenal suppression following extradural steroids. Jacobs S, et al. **Anaesthesia** 1983 Oct;38(10):953–6

Proteinuria in gold–treated rheumatoid arthritis. Katz WA, et al. **Ann Intern Med** 1984 Aug;101(2):176–9

Gold nephropathy due to auranofin obscured by tolmetin pseudoproteinuria. Wilson AP, et al. **Ann Rheum Dis** 1984 Jun;43(3):511–2

Multiple myeloma [letter] Craig JB, et al. **Arch Intern Med** 1984 Apr;144(4):863, 868

Acute multisystem toxicity associated with the use of nonsteroidal anti–inflammatory drugs. Patmas MA, et al. **Arch Intern Med** 1984 Mar;144(3):519–21

A method for predicting the phototoxicity of non–steroidal anti–inflammatory drugs. Diffey BL, et al. **Br J Clin Pharmacol** 1983 Dec;16(6):633–8

Phototoxic reactions to nonsteroidal anti–inflammatory drugs [letter] Cirne De Castro JL. **Br J Rheumatol** 1984 May; 23(2):155–6

Phototoxic reactions to piroxicam, naproxen and tiaprofenic acid. Diffey BL, et al. **Br J Rheumatol** 1983 Nov; 22(4):239–42

Non–steroidal analgesics and anti–inflammatory agents [letter] Fowler RW, et al. **Br Med J [Clin Res]** 1983 Sep 17;287(6395):835

Non–steroidal anti–inflammatory drugs and oral lichenoid reactions. Hamburger J, et al. **Br Med J [Clin Res]** 1983 Oct 29;287(6401):1258

The rattled CSM should think again [letter] Struthers G, et al. **Br Med J [Clin Res]** 1984 Aug 4;289(6440):318

Adverse effects of NSAIDs on renal function [editorial] Linton AL. **Can Med Assoc J** 1984 Aug 1;131(3):189–91

Tuberculosis and nonsteroidal anti–inflammatory drugs. Tomasson HO, et al. **Can Med Assoc J** 1984 Feb 1; 130(3):275–8

Gastroduodenal damage due to drugs, alcohol and smoking. Domschke S, et al. **Clin Gastroenterol** 1984 May; 13(2):405–36 (196 ref.)

Interstitial nephritis and proteinuria associated with zomepirac. Cummings DM, et al. **Clin Pharm** 1984 Mar–Apr;3(2):198–200

Hepatic toxicity of nonsteroidal anti–inflammatory drugs. Lewis JH. **Clin Pharm** 1984 Mar–Apr;3(2):128–38 (122 ref.)

Failure of sodium aurothiomalate and triethyl phosphine gold to cause renal tubular injury in rheumatoid arthritis: implications for the aetiology of gold–related nephropathy. Crisp AJ, et al. **Clin Rheumatol** 1983 Sep;2(3):273–6

Gastrointestinal blood loss after intake of benoxaprofen. Mielants H, et al. **Clin Rheumatol** 1982 Dec;1(4):263–6

Allergic contact dermatitis to topical corticosteroids: clobetasol propionate and clobetasone butyrate. Dooms–Goossens A, et al. **Contact Dermatitis** 1983 Nov; 9(6):470–8

Changing clinical pattern of gastric ulcer: are anti–inflammatory drugs involved? Jolobe OM, et al. **Digestion** 1984;29(3):164–70

Benign stricture of the oesophagus: role of non–steroidal anti–inflammatory drugs. Wilkins WE, et al. **Gut** 1984 May; 25(5):478–80

Intra–articular corticosteroid– and exercise–induced arthropathy in a horse. Owen RA, et al. **J Am Vet Med Assoc** 1984 Feb 1;184(3):302–8

Acute pulmonary edema precipitated by NSAIDs [letter] Smally AJ. **J Fam Pract** 1983 Nov;17(5):777, 780

Oral mucosal lichenoid eruption due to fenclofenac. Ferguson MM, et al. **J Oral Med** 1984 Jan–Mar;39(1):39–40

Consumption coagulopathy associated with systemic juvenile rheumatoid arthritis. Silverman ED, et al. **J Pediatr** 1983 Dec;103(6):872–6

Non–steroidal anti–inflammatory drugs and gastrointestinal adverse effects. Clinch D, et al. **J R Coll Physicians Lond** 1983 Oct;17(4):228–30

Hematuria and the use of nonsteroidal anti–inflammatory drugs. Kraus SE, et al. **J Urol** 1984 Aug;132(2):288–90

Nonsteroidal anti–inflammatory drugs and renal disease. Fox DA, et al. **JAMA** 1984 Mar 9;251(10):1299–300

Nonsteroidal anti–inflammatory drugs. Caution still indicated [editorial] Schrier RW, et al. **JAMA** 1984 Mar 9; 251(10):1301–2

An expanded profile of cutaneous reactions to nonsteroidal anti–inflammatory drugs. Reports to a specialty–based system for spontaneous reporting of adverse reactions to drugs. Stern RS, et al. **JAMA** 1984 Sep 21;252(11):1433–7

Non–steroidal anti–inflammatory drugs: have we been spoilt for choice? [editorial] **Lancet** 1984 Jan 21;1(8369):141–2

Agranulocytosis and pyrazolone analgesics [letter] Herxheimer A, et al. **Lancet** 1984 Mar 31;1(8379):730

Agranulocytosis and pyrazolone [letter] Shapiro S. **Lancet** 1984 Feb 25;1(8374):451–2

Agranulocytosis and pyrazolone [letter] Shapiro S. **Lancet** 1984 Jun 30;1(8392):1471

Adverse effects of nonsteroidal anti–inflammatory drugs on the kidney. Stillman MT, et al. **Med Clin North Am** 1984 Mar;68(2):371–85 (82 ref.)

Proposals for compensating the victims of drug injury. Teff H. **Med Sci Law** 1984 Jul;24(3):208–12

Renal effects of prostaglandins and clinical adverse effects of nonsteroidal anti–inflammatory agents. Garella S, et al. **Medicine (Baltimore)** 1984 May;63(3):165–81 (146 ref.)

Renal syndromes and nonsteroidal antiinflammatory drugs [letter] **N Engl J Med** 1984 Jul 19;311(3):194–5

Renal syndromes associated with nonsteroidal antiinflammatory drugs. Clive DM, et al. **N Engl J Med** 1984 Mar 1;310(9):563–72 (157 ref.)

Non–steroidal anti–inflammatory drugs in the treatment of rheumatic disorders: pitfalls and problems with the present plethora. Offerhaus L. **Neth J Med** 1983;26(7):173–5

Auranofin (SK + F 39162) induced enterocolitis in rheumatoid arthritis. A case report. Jarner D, et al. **Scand J Rheumatol** 1983;12(3):254–6

Gold in rheumatoid arthritis therapy today. Late or never? Olhagen B. **Scand J Rheumatol [Suppl]** 1983;51:120–1 (5 ref.)

[Skin lesions related to a new anti–inflammatory agent: fenbufen. Apropos of 3 clinical cases] Nicolas C, et al. **Ann Dermatol Venereol** 1983;110(5):419–23 (Eng. Abstr.) (Fre)

[Respiratory manifestations and intolerance to aspirin and non–steroidal anti–inflammatory agents] Grilliat JP, et al. **Ann Med Interne (Paris)** 1984;135(1):21–5 (Eng. Abstr.) (Fre)

[Hepatitis caused by new nonsteroidal anti–inflammatory agents] Babany G, et al. **Gastroenterol Clin Biol** 1984 Jun–Jul;8(6–7):523–9 (66 ref.) (Fre)

[Acute agranulocytosis. The role of fenbufen? (letter)] Sensebe L, et al. **Presse Med** 1984 May 26;13(22):1392 (Fre)

[Peptic lesions of the upper digestive tract and drugs. Prospective study] Gaillard C, et al. **Schweiz Med Wochenschr** 1984 Jan 14;114(2):56–7 (Eng. Abstr.) (Fre)

[Non–steroid anti–inflammatory agents, diuretics and kidney function: a warning] Vallotton MB, et al. **Schweiz Med Wochenschr** 1983 Aug 27;113(34):1198–201 (Eng. Abstr.) (Fre)

[Clinical and biological tolerability of nonsteroidal anti–inflammatory agents. Methods of study] Champey Y, et al. **Therapie** 1984 Jan–Feb;39(1):17–22 (Eng. Abstr.) (Fre)

[Severe vasculitis during treatment with fenbufen] Jean–Pastor MJ, et al. **Therapie** 1984 May–Jun;39(3):305–9 (Eng. Abstr.) (Fre)

[Deaths in rheumatism therapy (editorial)] **Fortschr Med** 1983 Oct 6;101(37):1641–2 (Ger)

[How dangerous are pain and rheumatism drugs?] Heilmann K. **Fortschr Med** 1984 May 10;102(18):76–7 (Ger)

[Imadyl: gastric irritation in comparison with acetylsalicylic acid, indomethacin, piroxicam and diclofenac–Na] Brendl K, et al. **Methods Find Exp Clin Pharmacol** 1983 Oct; 5(8):579–80 (Eng. Abstr.) (Ger)

[Corticosteroids, non–steroidal antirheumatic agents and the gastroduodenum] Börsch G. **Z Rheumatol** 1984 Jan–Feb; 43(1):1–8 (Eng. Abstr.) (Ger)

[Drug-induced pathology of the upper gastrointestinal tract] Briglia R, et al. **Minerva Dietol Gastroenterol** 1984 Apr-Jun;30(2):125-7 (Eng. Abstr.) **(Ita)**

[Felden (piroxicam) in arthroses. A post-marketing study] Brath HK, et al. **Tidsskr Nor Laegeforen** 1983 Sep 20; 103(26):1827-30 **(Nor)**

[Side effects of nonsteroidal anti-inflammatory drugs on kidney function] Androsova SO, et al. **Revmatologiia (Moskva)** 1983 Apr-Jun;(2):57-61 (Eng. Abstr.) **(Rus)**

[Return of rheumatic activity after discontinuation of therapy, or the rebound syndrome] Stulova MA, et al. **Revmatologiia (Moskva)** 1984 Apr-Jun;(2):9-13 (Eng. Abstr.) **(Rus)**

[Nephrotic syndrome--rare complication of gold therapy] Klepikov PV, et al. **Ter Arkh** 1983;55(10):98-101 (19 ref.) (Eng. Abstr.) **(Rus)**

[Drug-induced fever caused by pyrazolones (letter)] Guerrero M, et al. **Med Clin (Barc)** 1984 May 19;82(19):868 **(Spa)**

[Bronchial asthma and antiphlogistics] **Lakartidningen** 1984 Jan 4;81(1-2):24 **(Swe)**

ANALYSIS

Chemical composition and anti-inflammatory activity of an alcoholic extract of Teucrium polium L. Capasso F, et al. **Boll Soc Ital Biol Sper** 1983 Nov 30;59(11):1639-43

Determination of lysozyme chloride in antiphlogistics by reversed-phase high-performance liquid chromatography. Hayakawa K, et al. **Chem Pharm Bull (Tokyo)** 1983 Oct; 31(10):3732-5

Physico-chemical properties and bioavailability of benoxaprofen polymorphs. Umeda T, et al. **Chem Pharm Bull (Tokyo)** 1984 Apr;32(4):1637-40

Reversed-phase chromatography of fenflumizole, a new potential anti-inflammatory agent, and its application in pharmacokinetic studies in rat, dog and man. Midskov C. **J Chromatogr** 1983 Nov 11;278(1):109-15

[Isoxicam: physicochemical characteristics and the quantitative determination by HPLC] Marini D, et al. **Boll Chim Farm** 1984 Mar;123(3):124-32 (Eng. Abstr.) **(Ita)**

BLOOD

Protein binding of non-steroidal anti-inflammatory drugs in rheumatoid arthritis [letter] Selley ML. **Br J Clin Pharmacol** 1984 Mar;17(3):367-8

Optical inversion of (2R)- to (2S)-isomers of 2-[4-(2-Oxocyclopentylmethyl)-phenyl]propionic acid (loxoprofen), a new anti-inflammatory agent, and its monohydroxy metabolites in the rat. Nagashima H, et al. **Chem Pharm Bull (Tokyo)** 1984 Jan;32(1):251-7

Effect of analgesic and antirheumatic drugs on SMA II procedures [letter] Jelić-Ivanović Z, et al. **Clin Chem** 1983 Oct;29(10):1859

Quantitative analysis of the metabolites of saikosaponin a using high-performance liquid chromatography. Shimizu K, et al. **J Chromatogr** 1984 May 11;307(2):488-92

II. Unbound versus total serum gold concentration: pharmacological actions on cellular function. Lorber A, et al. **J Rheumatol** 1983 Aug;10(4):568-73

Cell-bound gold (CBG) in patients treated with aurothioglucose and with auranofin. A comparison of different methods of determination. van Riel PL, et al. **J Rheumatol** 1983 Aug;10(4):574-8

Albumin binding of anti-inflammatory drugs. Utility of a site-oriented versus a stoichiometric analysis. Honoré B, et al. **Mol Pharmacol** 1984 Jan;25(1):137-50

[Interactions of antirheumatic and anti-inflammatory agents] Wessel H, et al. **Ter Arkh** 1983;55(7):108-10 **(Rus)**

CHEMICAL SYNTHESIS

Synthesis and pharmacological properties of some 16 alpha,17 alpha-acetals of 16 alpha-hydroxyhydrocortisone, 16 alpha-hydroxyprednisolone and fluorinated 16 alpha-hydroxyprednisolones. Thalén A, et al. **Acta Pharm Suec** 1984;21(2):109-24

Synthesis of 5-aryl-12H-quinazolino[3,2-a]quinazolin-12-ones as antiinflammatory agents. Kamal A, et al. **Arch Pharm (Weinheim)** 1983 Aug;316(8):702-6

New phenylbutazone esters: synthesis and some pharmacological properties. Stacchino C, et al. **Boll Chim Farm** 1983 Apr;122(4):186-9

Synthesis and antiinflammatory activity of N1-(substituted phenyl)pyridinecarboxamidines. Hisano T, et al. **Chem Pharm Bull (Tokyo)** 1983 Jul;31(7):2484-90

Synthesis and anti-inflammatory activity of 2,6-di-tert-butylphenols with a heterocyclic group at the 4-position. III. Isomura Y, et al. **Chem Pharm Bull (Tokyo)** 1984 Jan;32(1):152-65

Studies on the synthesis and anti-inflammatory activity of 2,6-di-tert-butylphenols with a heterocyclic group at the 4-position. I. Isomura Y, et al. **Chem Pharm Bull (Tokyo)** 1983 Sep;31(9):3168-78

Studies on the synthesis and anti-inflammatory activity of 2,6-di-tert-butylphenols with a heterocyclic group at the 4-position. II. Isomura Y, et al. **Chem Pharm Bull (Tokyo)** 1983 Sep;31(9):3179-85

Studies on benzhydryl derivatives. IV. Synthesis and anti-inflammatory activity of 2-O-(diphenylacetyl)salicylic acids. Takemura S, et al. **Chem Pharm Bull (Tokyo)** 1983 Aug;31(8):2632-8

Synthesis and pharmacological evaluation of a series of analgesic and antiinflammatory 4-aminopyrroles. Tarzia G, et al. **Farmaco [Sci]** 1984 Jun;39(6):538-58

N-Trifluoroacetyl derivatives as pharmacological agents. II. Trifluoroacetanilides: synthesis and antiinflammatory activity. Vigorita MG, et al. **Farmaco [Sci]** 1984 May; 39(5):403-13

Substituted (2-phenoxyphenyl)acetic acids with antiinflammatory activity. 2. Atkinson DC, et al. **J Med Chem** 1983 Oct;26(10):1361-4

Substituted (2-phenoxyphenyl)acetic acids with antiinflammatory activity. 1. Atkinson DC, et al. **J Med Chem** 1983 Oct;26(10):1353-60

Studies on heterocyclic compounds. 6. Synthesis and analgesic and antiinflammatory activities of 3,4-dimethylpyrano[2,3-c]pyrazol-6-one derivatives. Kuo SC, et al. **J Med Chem** 1984 Apr;27(4):539-44

Antiinflammatory activity of 5,6-diaryl-2,3-dihydroimidazo[2,1-b]thiazoles. Isomeric 4-pyridyl and 4-substituted phenyl derivatives. Lantos I, et al. **J Med Chem** 1984 Jan;27(1):72-5

Stereochemical considerations and the antiinflammatory activity of 6-amino-6,7,8,9-tetrahydro-5H-benzocyclohepten-5-ols and related derivatives. Wong SC, et al. **J Med Chem** 1984 Jan;27(1):20-7

CNS, anthelmintic and antiinflammatory activities of some 1-[2/3-(2-phenyl benzimidazole)]2-methyl/phenyl-4-(3,4-disubstituted benzylidene)5-oxo-imidazoles. Mohan RR, et al. **Pharmacol Res Commun** 1984 Apr;16(4):321-38

Chemistry and anti-inflammatory activity of 10-methylamino-11H-indeno[1,2-b]quinolin-11-one (MB 432) derivatives. Bała M, et al. **Pol J Pharmacol Pharm** 1983 Nov-Dec;35(6):523-30

Solid-phase synthesis of cecropin A and related peptides. Andreu D, et al. **Proc Natl Acad Sci USA** 1983 Nov; 80(21):6475-9

[N-aryl pyrrol derivatives with analgesic and anti-inflammatory activity. 1. 1-Arylpyrroles substituted at positions 4 and 5] Thiault GA, et al. **Farmaco [Sci]** 1984 Jun;39(6):524-37 (Eng. Abstr.) **(Fre)**

[Nonsteroidal anti-inflammatory agents. 17. 4,5-Bis-(4-methoxyphenyl)-2-arylthioazoles with antiphlogistic activity] Klose W, et al. **Arch Pharm (Weinheim)** 1983 Nov;316(11):941-51 (Eng. Abstr.) **(Ger)**

[Synthesis and anti-inflammatory effects of esters of anti-inflammatory carboxylic acids with hydrocortisone] Laurent H, et al. **Arch Pharm (Weinheim)** 1984 May; 317(5):421-4 (Eng. Abstr.) **(Ger)**

[Nonsteroidal anti-inflammatory agents. 16. 4,5-Bis(4-methoxyphenyl)-2-cycloalkylthioimidazoles with antiphlogistic activity] Niedballa U, et al. **Arch Pharm (Weinheim)** 1983 Nov;316(11):934-40 (Eng. Abstr.) **(Ger)**

[Nonsteroidal anti-inflammatory agents. XIII. 4-Cyclohexylphenylhydroxyalkanoic acids] Guarnieri A, et al. **Farmaco [Sci]** 1983 Sep;38(9):686-701 (Eng. Abstr.) **(Ita)**

[2,5-diaryl-substituted 1,3,4-oxadiazoles: synthesis and preliminary pharmacological investigation] Mazzone G, et al. **Farmaco [Sci]** 1984 May;39(5):414-20 (Eng. Abstr.) **(Ita)**

[Heterocyclic compounds with potential anti-inflammatory activity containing a 4-aminophenylalkanoic acid residue. V. Derivatives of 2,4-dihydro-3H-pyrazole-3-one] Picciòla G, et al. **Farmaco [Sci]** 1984 Apr;39(4):371-8 (Eng. Abstr.) **(Ita)**

DIAGNOSTIC USE

[Use of the resochin test in the diagnosis of chronic brucellous arthritis] Mazur MV, et al. **Revmatologiia (Moskva)** 1983 Jul-Sep;(3):42-3 **(Rus)**

HISTORY

[Rheumatism and its treatment throughout history] Schadewaldt H. **Z Rheumatol** 1983 Jul-Aug;42(4):139-44 **(Ger)**

IMMUNOLOGY

Immunosuppressive actions of gold salts. Petersen J, et al. **Scand J Rheumatol [Suppl]** 1983;51:28-35 (51 ref.)

[Immunomodulation with symptomatically effective antirheumatic agents] Dreher R, et al. **Immun Infekt** 1983 Jun;11(4):123-34 (Eng. Abstr.) **(Ger)**

ISOLATION & PURIFICATION

Study of antibacterial and antiinflammatory components of Achillea alpina. Liu ML, et al. **J Tradit Chin Med** 1983 Sep;3(3):213-6

An approach to the antiinflammatory activity of borjatriol. Villar A, et al. **Planta Med** 1984 Feb;(1):90-2

METABOLISM

On the pharmacokinetics of fenflumizole, a novel antiinflammatory agent, after single oral administration to healthy subjects. Midskov C, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 May;54(5):408-13

Biodistribution of 64Cu in rats after topical application of two lipophilic anti-inflammatory Cu(II) formulations. Beveridge SJ, et al. **Agents Actions** 1984 Feb;14(2):291-5

Auranofin versus injectable gold. Comparison of pharmacokinetic properties. Blocka K. **Am J Med** 1983 Dec 30;75(6A):114-22

The new look in drugs. Is 'longer lasting' better? [editorial] Roth SH. **Arch Intern Med** 1984 Mar;144(3):472-3

Penetration of imidazole 2-hydroxybenzoate (ITF 182) into experimentally inflamed pleural and knee joint exudates. Pagella PG, et al. **Arzneimittelforsch** 1984;34(2):208-10

Determination of metabolites of 3-chloro-4-benzyloxyphenylacetic acid (benzofenac) by GC/MS method. Koruna I, et al. **Biomed Mass Spectrom** 1984 Mar;11(3):121-6

Bioavailability studies with etodolac in dogs and man. Kraml M, et al. **Biopharm Drug Dispos** 1984 Jan-Mar;5(1):63-74

Pharmacokinetic observations on piroxicam in young adult, middle-aged and elderly patients. Woolf AD, et al. **Br J Clin Pharmacol** 1983 Oct;16(4):433-7

Species differences in metabolism of sodium 2-[4-(2-oxocyclopentylmethyl)-phenyl]propionate dihydrate (loxoprofen sodium), a new anti-inflammatory agent. Tanaka Y, et al. **Chem Pharm Bull (Tokyo)** 1983 Oct;31(10):3656-64

Purification and some properties of ketone reductase forming an active metabolite of sodium 2-[4-(2-oxocyclopentylmethyl)-phenyl]propionate dihydrate (loxoprofen sodium), a new anti-inflammatory agent, in rabbit liver cytosol. Tanaka Y, et al. **Chem Pharm Bull (Tokyo)** 1984 Mar;32(3):1040-8

The importance of stereochemistry in the clinical pharmacokinetics of the 2-arylpropionic acid non-steroidal anti-inflammatory drugs. Hutt AJ, et al. **Clin Pharmacokinet** 1984 Jul-Aug;9(4):371-3

Clinical pharmacokinetics of non-steroidal anti-inflammatory drugs. Verbeeck RK, et al. **Clin Pharmacokinet** 1983 Jul-Aug;8(4):297-331 (248 ref.)

Antirheumatic drug concentrations in human synovial fluid and synovial tissue. Observations on extravascular pharmacokinetics. Wallis WJ, et al. **Clin Pharmacokinet** 1983 Nov-Dec;8(6):496-522 (100 ref.)

Food interactions affecting the absorption of analgesic and anti-inflammatory agents. Welling PG, et al. **Drug Nutr Interact** 1983;2(3):153-68 (48 ref.)

Pharmacokinetics of fenclofenac in children with juvenile rheumatoid arthritis. Mäkelä AL, et al. **Eur J Clin Pharmacol** 1983;25(3):381-8

Binding of piroxicam to synovial fluid and plasma proteins in patients with rheumatoid arthritis. Trnavská Z, et al. **Eur J Clin Pharmacol** 1984;26(4):457-61

Plasma protein binding of metbufen, a new non-steroid anti-inflammatory drug, in humans. Brunner F, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 Mar;22(3):134-9

Triethylphosphine gold: cellular uptake and disposition after single and repeated oral doses in rats. Sharma RP, et al. **J Pharm Pharmacol** 1984 Jul;36(7):441-5

Pharmacokinetics of the antirheumatic proquazone in healthy humans. Hinderling PH, et al. **J Pharm Sci** 1984 Mar; 73(3):332-40

Distribution of suprofen in rats of both sexes. Mori Y, et al. **Radioisotopes** 1984 May;33(5):284-90

Autoradiographic study on the distribution of suprofen in rats of both sexes. Mori Y, et al. **Radioisotopes** 1984 May; 33(5):279-83

Comparison of the kinetics of parenteral and oral gold. Gottlieb NL. **Scand J Rheumatol [Suppl]** 1983;51:10-4 (35 ref.)

The pharmacological profile of auranofin, an orally active gold compound. Walz DT, et al. **Scand J Rheumatol [Suppl]** 1983;51:16-25 (30 ref.)

Intestinal uptake and metabolism of auranofin, a new oral gold-based antiarthritis drug. Tepperman K, et al. **Science** 1984 Jul 27;225(4660):430-2

Nonsteroidal anti-inflammatory agents: species differences in pharmacodynamics. Ruckebusch Y, et al. **Vet Res Commun** 1983 Dec;7(1-4):359-68 (30 ref.)

Metabolism of nabumetone (BRL 14777) by various species including man. Haddock RE, et al. **Xenobiotica** 1984 Apr; 14(4):327-37

Pharmacokinetics and biotransformation of methane sulphonanilides with anti-inflammatory activity in the rat and monkey--comparison with piroxicam. Krause W, et al. **Xenobiotica** 1983 May;13(5):265-72

The metabolism of fenclofenac in the horse. Marsh MV, et al. **Xenobiotica** 1983 Apr;13(4):233-40

The metabolism of the anti-inflammatory drug eterylate in rat, dog and man. Wood SG, et al. **Xenobiotica** 1983 Dec; 13(12):731-42

[Passage of nonsteroidal anti-inflammatory agents across the synovial membrane] Netter P, et al. **Presse Med** 1983 Sep 24;12(33):2049-52 (33 ref.) (Eng. Abstr.) **(Fre)**

[Interactions of oral anti-diabetic agents and non-steroid anti-rheumatic agents] Knüsel O. **Z Rheumatol** 1984 Mar-Apr;43(2):75-82 (Eng. Abstr.) **(Ger)**

[Pharmacokinetic studies with delayed-action preparations] Zanolo G. **Ann Ist Super Sanita** 1982;18(3):559-65 **(Ita)**

[Ocular penetration of topical diclofenac sodium, a non-steroidal anti-inflammatory drug, in rabbit eye] Agata M, et al. **Nippon Ganka Gakkai Zasshi** 1984 Jun;88(6):991-6 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Inhibition of phospholipase A2 and platelet aggregation by glycyrrhizin, an antiinflammation drug. Okimasu E, et al. **Acta Med Okayama** 1983 Oct;37(5):385–91

Pharmacodynamics and toxicology of fenflumizole, a new non-steroidal anti-inflammatory imidazole derivative. Corell T, et al. **Acta Pharmacol Toxicol (Copenh)** 1983 Oct; 53(4):288–96

Impact of structural modifications on the hydrocortisone molecule. Nathansohn G, et al. **Adv Exp Med Biol** 1984; 171:1–8 (22 ref.)

Effects of non-steroidal anti-inflammatory drugs on lymphocyte activation. Ali AT, et al. **Agents Actions** 1984 Feb;14(2):216–22

Benoxaprofen: a pro-oxidant anti-inflammatory drug? Anderson R, et al. **Agents Actions** 1984 Feb;14(2):238–46

Comparative effects of carprofen, benoxaprofen and indomethacin on the development and decay phases of a carrageenan pleurisy in the rat. Bradshaw D, et al. **Agents Actions** 1984 Jun;14(5–6):667–72

The antiinflammatory profile of (5H-dibenzo[a,d]-cyclohepten-5-ylidene)acetic acid (WY-41,770), an agent possessing weak prostaglandin synthetase inhibitory activity that is devoid of gastric side effects. Carlson RP, et al. **Agents Actions** 1984 Jun; 14(5–6):654–61

Effect of SAS 650 (Furofenac) on malondialydehyde production by platelets. Corbelli GP, et al. **Agents Actions** 1984 Jun;14(5–6):735–7

Modulation of disseminated intravascular coagulation (DIC) by steroidal and non-steroidal anti-inflammatory drugs. Latour JG. **Agents Actions** 1983 Aug;13(5–6):487–95 (53 ref.)

Effect of gold salts, D-penicillamine and benoxaprofen on type II collagen-induced arthritis in rats. Lewis AJ, et al. **Agents Actions** 1984 Jun;14(5–6):707–14

Inhibition of the carrageenan-induced rat paw edema by glutathione-depleting agents. Strubelt O, et al. **Agents Actions** 1984 Jun;14(5–6):680–3

Effects of protizinic acid on leukokinin generation and its physiological action. Suzuki K, et al. **Agents Actions** 1984 Jun;14(5–6):699–706

Lotifazole (F 1686), a non-steroidal anti-inflammatory agent with an unusual pharmacological spectrum. Tarayre JP, et al. **Agents Actions** 1984 Jan;14(1):93–101

Inhibitory effect of honey bee venom on immune complex mediated leukocyte migration into rabbit knee-joints. Thomsen P, et al. **Agents Actions** 1984 Jun;14(5–6):662–6

Auranofin: experience to date. Blodgett RC Jr. **Am J Med** 1983 Dec 30;75(6A):86–9

Effects of salicylates and other nonsteroidal anti-inflammatory drugs on articular cartilage. Brandt KD, et al. **Am J Med** 1984 Jul 13;77(1A):65–9

Molecular mechanisms of action of auranofin and other gold complexes as related to their biologic activities. Crooke ST, et al. **Am J Med** 1983 Dec 30;75(6A):109–13

Mechanism of action of nonsteroidal anti-inflammatory agents. Goodwin JS. **Am J Med** 1984 Jul 13;77(1A):57–64 (49 ref.)

Pharmacologic properties of fenbufen. Kerwar SS. **Am J Med** 1983 Oct 31;75(4B):62–9 (26 ref.)

Pharmacology of nonsteroidal anti-inflammatory drugs. Practical review for clinicians. O'Brien WM. **Am J Med** 1983 Oct 31;75(4B):32–9 (75 ref.)

Prostaglandins and the mechanism of action of anti-inflammatory drugs. Robinson DR. **Am J Med** 1983 Oct 31;75(4B):26–31 (20 ref.)

Biologic actions and pharmacokinetic studies of auranofin. Walz DT, et al. **Am J Med** 1983 Dec 30;75(6A):90–108 (39 ref.)

Antiinflammatory effects of endotoxin. Inhibition of rabbit polymorphonuclear leukocyte responses to complement (C5)-derived peptides in vivo and in vitro. Rosenbaum JT, et al. **Am J Pathol** 1983 Dec;113(3):291–9

Fenclofenac and thyroid function tests. John R, et al. **Ann Clin Biochem** 1983 Nov;20 (Pt 6):381–2

Nonsteroidal antiinflammatory drugs and renal function. Dunn MJ. **Annu Rev Med** 1984;35:411–28 (97 ref.)

Effects of Wratizolin on growth and metabolism of cells in vitro. Inglot AD, et al. **Arch Immunol Ther Exp (Warsz)** 1983;31(5):593–9

Effects of various compounds on the accumulation of macrophages in mice. Hertz F, et al. **Arch Int Pharmacodyn Ther** 1984 Mar;268(1):155–64

Selection of therapeutic agents for intraocular proliferative disease. Cell culture evaluation. Blumenkranz MS, et al. **Arch Ophthalmol** 1984 Apr;102(4):598–604

Reversible inhibition of thromboxane A2 production by imidazole 2-hydroxybenzoate (ITF 182) in the arachidonic acid injected rat. A comparison with acetylsalicylic acid and indometacin. Pagella PG, et al. **Arzneimittelforsch** 1984; 34(5):597–8

Effect of anti-inflammatory drugs on leukocyte superoxide production by soluble and particulate stimuli. Spisani S, et al. **Biochem Int** 1984 Jul;9(1):1–8

Inhibition of steroid production in Leydig cells by non-steroidal anti-inflammatory and related compounds: evidence for the involvement of lipoxygenase products in steroidogenesis. Dix CJ, et al. **Biochem J** 1984 Apr 15; 219(2):529–37

Pharmacokinetic and anti-inflammatory properties in the rat of superoxide dismutases (Cu SODs and Mn SOD) from various species. Baret A, et al. **Biochem Pharmacol** 1984 Sep 1;33(17):2755–60

Studies on the release of proteolytic enzymes during synovium-induced cartilage breakdown in vitro and the actions of anti-inflammatory drugs. Crossley MJ, et al. **Biochem Pharmacol** 1984 Apr 15;33(8):1263–71

Effects of non-steroidal anti-inflammatory agents on human neutrophil functions in vitro and in vivo. Kaplan HB, et al. **Biochem Pharmacol** 1984 Feb 1;33(3):371–8

Inhibition of the A-23187-stimulated leukotriene and prostaglandin biosynthesis of rat basophil leukemia (RBL-1) cells by nonsteroidal anti-inflammatory drugs, antioxidants, and calcium channel blockers. Levine L. **Biochem Pharmacol** 1983 Oct 15;32(20):3023–6

Inhibition of prostaglandin synthesis by sodium 2-[4-(2-oxocyclopentylmethyl)phenyl] propionate dihydrate (CS-600), a new anti-inflammatory drug, and its active metabolite in vitro and in vivo. Matsuda K, et al. **Biochem Pharmacol** 1984 Aug 1;33(15):2473–8

In vivo interaction of nonsteroidal anti-inflammatory drugs on the locomotion of neutrophils elicited by acute non-specific inflammations in the rat--effect of indomethacin, ibuprofen and flurbiprofen. Perianin A, et al. **Biochem Pharmacol** 1984 Jul 15;33(14):2239–43

Benoxaprofen does not inhibit formation of leukotriene B4 in a model of acute inflammation. Salmon JA, et al. **Biochem Pharmacol** 1984 Sep 15;33(18):2928–30

The effects of arachidonic acid and non-steroidal anti-inflammatory drugs on intrapulmonary airways of the guinea-pig. Clay TP, et al. **Br J Pharmacol** 1984 Feb; 81(2):335–9

Effect of cyclosporin A and inhibitors of arachidonic acid metabolism on blood flow and cyclo-oxygenase products in rat skin allografts. Fan TP, et al. **Br J Pharmacol** 1984 Feb;81(2):361–71

Induction of zymosan-air-pouch inflammation in rats and its characterization with reference to the effects of anticomplementary and anti-inflammatory agents. Konno S, et al. **Br J Pharmacol** 1983 Oct;80(2):269–77

In vivo platelet aggregation in the rat: dependence on extracellular divalent cation and inhibition by nonsteroidal anti-inflammatory drugs. Mallarkey G, et al. **Br J Pharmacol** 1984 Jan;81(1):31–9

Comparison of the analgesic effect of ten nonsteroidal anti-inflammatory drugs. Isomäki H, et al. **Br J Rheumatol** 1984 Feb;23(1):61–5

Inhibition of cyclo-oxygenase and lipoxygenase. Higgs GA, et al. **Br Med Bull** 1983 Jul;39(3):265–70 (72 ref.)

Comparative study of deflazacort, a new synthetic corticosteroid, and dexamethasone on the synthesis of collagen in different rat bone cell populations and rabbit articular chondrocytes. Guenther HL, et al. **Calcif Tissue Int** 1984 Mar;36(2):145–52

Antiinflammatory drugs: protection of a bacterial virus as an in vitro biological measure of free radical activity. Hiller KO, et al. **Chem Biol Interact** 1983 Dec;47(3):293–305

Effect of nonsteroidal anti-inflammatory drugs on the permeability of the rectal mucosa. Nakanishi K, et al. **Chem Pharm Bull (Tokyo)** 1984 May;32(5):1956–66

Effect on the human complement system of the major non-steroidal anti-inflammatory drugs: aspirin, indomethacin, phenylbutazone, oxyphenbutazone and sulindac. Minta JO, et al. **Clin Exp Immunol** 1983 Sep; 53(3):555–61

In vitro boost of human NK activity by a triethylphosphine gold derivative. Russell AS, et al. **Clin Exp Immunol** 1984 Jul;57(1):207–10

Effect of oxaprozin on the steady-state anticoagulant activity of warfarin. Davis LJ, et al. **Clin Pharm** 1984 May-Jun; 3(3):295–7

Antirheumatic drugs and macrophage function: effects on tumour cell growth in vitro. Binderup L, et al. **Clin Rheumatol** 1982 Mar;1(1):15–22

Effect of salicylates on lymphocyte blastogenesis in vitro: association with other non-steroid anti-inflammatory drugs. Conti P, et al. **Clin Rheumatol** 1983 Jun;2(2):127–32

The acute inflammatory process, arachidonic acid metabolism and the mode of action of anti-inflammatory drugs. Higgins AJ, et al. **Equine Vet J** 1984 May;16(3):163–75 (143 ref.)

Comparison of acute and subacute effects of deflazacort and prednisone on glucose metabolism in man. Cavallo-Perin P, et al. **Eur J Clin Pharmacol** 1984;26(3):357–62

Effects of several anti-inflammatory drugs on the various parameters involved in the inflammatory response in rat carrageenin-induced pleurisy. Mikami T, et al. **Eur J Pharmacol** 1983 Nov 11;95(1–2):1–12

Relationship between the anti-phospholipase and anti-inflammatory effects of glucocorticoid-induced proteins. Parente L, et al. **Eur J Pharmacol** 1984 Mar 23; 99(2–3):233–9

Effect of some selected anti-inflammatory steroids on elastin content in liver of rats treated with carbon tetrachloride. Olczyk K, et al. **Exp Clin Endocrinol** 1984 May;83(3):353–7

Inhibition by various antiarthritic agents of murine splenic B cell colony formation. Ohsugi Y, et al. **Immunopharmacology** 1984 Feb;7(1):1–7

Influence of non-steroidal anti-inflammatory agents on tolbutamide hypoglycaemia. Diwan PV, et al. **Indian J Med Res** 1983 Jul;78:147–50

Effects of antiinflammatory agents on chronic Salmonella typhimurium infection in a mouse model. Plant JE, et al. **Infect Immun** 1983 Oct;42(1):71–5

Differential inhibition of neutrophil superoxide generation by nonsteroidal antiinflammatory drugs. Gay JC, et al. **Inflammation** 1984 Jun;8(2):209–22

Effect of a single Ditazole dose on platelet aggregation and prostaglandin formation. Prisco D, et al. **Int J Clin Pharmacol Res** 1984;4(2):129–36

In vitro inhibition of granulocyte function by timegadine, a new anti-inflammatory agent. Laghi Pasini F, et al. **Int J Tissue React** 1984;6(1):9–15

Isoproterenol inhibition of isolated human neutrophil function. Busse WW, et al. **J Allergy Clin Immunol** 1984 Mar;73(3):404–10

Nonsteroidal anti-inflammatory drugs stimulate 15-lipoxygenase/leukotriene pathway in human polymorphonuclear leukocytes. Vanderhoek JY, et al. **J Allergy Clin Immunol** 1984 Sep;74(3 Pt 2):412–7

Effects of enfenamic acid on renal electrolyte excretion in hypertensive patients. Dange SV, et al. **J Clin Pharmacol** 1984 May-Jun;24(5–6):267–70

Anti-inflammatory activity of Euphorbia acaulis Roxb. Singh GB, et al. **J Ethnopharmacol** 1984 Apr;10(2):225–33

Auranofin affects early events in human polymorphonuclear neutrophil activation by receptor-mediated stimuli. Hafström I, et al. **J Immunol** 1984 Apr;132(4):2007–14

Comparative investigations of various immunoregulatory substances in the delayed type hypersensitivity test of the mouse. Bicker U, et al. **J Immunopharmacol** 1984; 6(1–2):57–67

Effects of oral aspirin and oxaprozin on the development of lupus-like disease in MRL/1 mice. Carlson RP, et al. **J Immunopharmacol** 1984;6(1–2):69–78

Benoxaprofen photosensitization of cell membrane disruption. Kochevar IE, et al. **J Invest Dermatol** 1984 Mar; 82(3):214–8

Effects of aspirin, indomethacin, flufenamic acid and paracetamol on prostaglandin output from rat stomach and renal papilla in-vitro and ex-vivo. Danon A, et al. **J Pharm Pharmacol** 1983 Sep;35(9):576–9

Modifications in prolactin binding capacity in the rat liver induced by non-steroidal anti-inflammatory drugs. Muccioli G, et al. **J Pharm Pharmacol** 1984 Feb;36(2):95–9

Effect of anti-inflammatory drugs on partitioning characteristics of propranolol and oxprenolol. Parkin JE. **J Pharm Pharmacol** 1984 Jan;36(1):51–2

The effects of BW755C and other anti-inflammatory drugs on eicosanoid concentrations and leukocyte accumulation in experimentally-induced acute inflammation. Salmon JA, et al. **J Pharm Pharmacol** 1983 Dec;35(12):808–13

Studies into the mode of action of non-steroidal anti-inflammatory drugs using a model of facsimile synovium. Sedgwick AD, et al. **J Pharm Pharmacol** 1984 Mar;36(3):171–4

Novel anti-inflammatory agents. Cullen E. **J Pharm Sci** 1984 May;73(5):579–89 (181 ref.)

Anti-inflammatory agents III: Structure-activity relationships of brusatol and related quassinoids. Hall IH, et al. **J Pharm Sci** 1983 Nov;72(11):1282–4

Effects of antiinflammatory drugs in a model of acute transmural infarction in the dog. Such L, et al. **J Pharmacol** 1983 Jul-Sep;14(3):283–93

Prostaglandin-independent inhibition of calcium transport by nonsteroidal anti-inflammatory drugs: differential effects of carboxylic acids and piroxicam. Burch RM, et al. **J Pharmacol Exp Ther** 1983 Oct;227(1):84–91

Inhibition of immunoglobulin, but not polypeptide base-stimulated release of histamine and arachidonic acid by anti-inflammatory steroids. Heiman AS, et al. **J Pharmacol Exp Ther** 1984 Jul;230(1):175–82

Central and peripheral anti-inflammatory actions by clonidine and a structurally related imidazoline analog. Holsapple MP, et al. **J Pharmacol Exp Ther** 1984 May; 229(2):399–403

Pharmacological study of cantharidin-induced ear inflammation in mice. Tarayre JP, et al. **J Pharmacol Methods** 1984 Jul;11(4):271–7

The effects of antirheumatic drugs on the production of collagenase and tissue inhibitor of metalloproteinases (TIMP) by stimulated rabbit articular chrondrocytes. Hunter T, et al. **J Rheumatol** 1984 Feb;11(1):9–13

The anti-allergic inflammation action of Saikosaponins. Zhou ZC, et al. **J Tradit Chin Med** 1983 Jun;3(2):103–12

Administration of nonsteroidal anti-inflammatory agents in patients with rheumatoid arthritis. Effects on indexes of cellular immune status and serum rheumatoid factor levels. Goodwin JS, et al. **JAMA** 1983 Nov 11;250(18):2485–8

Pharmacological modulation of IgE-dependent mast cell degranulation in experimental autoimmune uveoretinitis. de Kozak Y, et al. **Jpn J Ophthalmol** 1983;27(4):598–608

Time-dependent inhibition of prostaglandins synthesis by nonsteroidal antiinflammatory drugs; time-dependent alteration of inhibitory effect and characteristics of its active site. Muramatsu M, et al. **Jpn J Pharmacol** 1984 May; 35(1):37–46

Inhibitory effect of acemetacin, a prodrug of indomethacin, on prostaglandin E2 release from inflamed synovial tissue. Wada Y, et al. **Jpn J Pharmacol** 1984 Apr;34(4):468–70

Mode of action of benoxaprofen [letter] Salmon JA, et al. **Lancet** 1984 Apr 14;1(8381):848

In vivo evidence for prostaglandin inhibitory activity in New Zealand green-lipped mussel extract. Miller T, et al. **NZ Med J** 1984 Jun 13;97(757):355–7

Drug prevention of blood-aqueous barrier disruption. van

Haeringen NJ, et al. **Ophthalmic Res** 1983;15(4):180–4

Effects of glycosaminoglycan–polysulfate and two non–steroidal anti–inflammatory drugs on prostaglandin E2 synthesis in Chinese hamster ovary cell cultures. Egg D. **Pharmacol Res Commun** 1983 Sep;15(8):709–17

Anti–inflammatory activity of S–adenosyl–L–methionine: interference with the eicosanoid system. Gualano M, et al. **Pharmacol Res Commun** 1983 Jul;15(7):683–96

Effect of borjatriol on nystatin oedema. Villar A, et al. **Pharmazie** 1984 Apr;39(4):278–9

Anti–inflammatory activity of 3 beta–hydroxy–2,3–dihydro–withanolide F. Budhiraja RD, et al. **Planta Med** 1984 Apr;50(2):134–6

Pharmacological properties of the antiinflammatory agent 10–methylamine–11–H–indeno–[1,2–b]quinolin–11–one (MB432). Chojnacka–Wójcik E, et al. **Pol J Pharmacol Pharm** 1983;35(4):327–32

Comparison of the effect of nonsteroidal and steroidal antiinflammatory agents on prostaglandin production during ovulation in the rabbit. Espey LL. **Prostaglandins** 1983 Jul;26(1):71–8

Prostaglandin synthesis in rat embryo tissue: the effect of non–steroidal anti–inflammatory drugs in vivo and ex vivo. Klein KL, et al. **Prostaglandins** 1984 May;27(5):659–72

Constriction of fetal ductus arteriosus by non–steroidal anti–inflammatory drugs. Momma K, et al. **Prostaglandins** 1983 Oct;26(4):631–43

Non–steroidal anti–inflammatory agents and hepatic lipid peroxidation in normal– and carrageenin–treated rats. Parola M, et al. **Res Commun Chem Pathol Pharmacol** 1984 Jul;45(1):37–53

Effect of lysine–acetylsalicylate and phenylbutazone premedication on the protein content of secondary aqueous humour in the dog. Regnier A, et al. **Res Vet Sci** 1984 Jul;37(1):26–9

A comparison of the effects of two gold–containing therapeutic agents on articular chondrocyte growth in vitro. Kirkpatrick CJ, et al. **Rheumatol Int** 1983;3(2):49–56

Stimulation by BW755C and inhibition by cysteamine of duodenal epithelial alkaline secretion suggest a role of endogenous prostaglandin in mucosal protection. Flemström G, et al. **Scand J Gastroenterol [Suppl]** 1984; 92:101–5

Prostaglandins in peptic ulcer disease: effect of nonsteroidal anti–inflammatory compounds (NOSAC). Konturek SJ, et al. **Scand J Gastroenterol [Suppl]** 1984;92:250–4

Alkali secretion by isolated rabbit gastric mucosa: effects of non–steroidal anti–inflammatory drugs and prostaglandins. Rees WD, et al. **Scand J Gastroenterol [Suppl]** 1984;92:63–8

The effect of auranofin on polymorphonuclear granulocytes. Hafström I. **Scand J Rheumatol [Suppl]** 1983;51:36–41 (14 ref.)

The neutrophil in rheumatoid arthritis: its role and the inhibition of its activation by nonsteroidal antiinflammatory drugs. Abramson S, et al. **Semin Arthritis Rheum** 1983 Aug; 13(1 Suppl 1):148–53

Effect of nonsteroidal antiinflammatory drugs on immune function. Goodwin JS, et al. **Semin Arthritis Rheum** 1983 Aug;13(1 Suppl 1):134–43 (84 ref.)

Systemic activities of a new anti–inflammatory steroid: methyl 20–dihydroprednisolonate. Lee HJ, et al. **Steroids** 1983 May;41(5):609–15

Effects of nonsteroid antiinflammatory drugs on the specific binding of platelet activating factor to membrane preparations of rabbit platelets. Hwang SB, et al. **Thromb Res** 1984 Jun 15;34(6):519–31

Interaction of salicylate and other non–steroidal anti–inflammatory drugs with aspirin on platelet and vascular cyclo–oxygenase activity. Dejana E, et al. **Thromb Res [Suppl]** 1983;4:153–9 (21 ref.)

Effect of medroxyprogesterone acetate and of some antiinflammatory agents on mouse erythroleukemia cell differentiation. Supino R, et al. **Tumori** 1984 Feb 29; 70(1):17–21

Induction of hepatic drug–metabolizing enzymes in rats, dogs, and monkeys after repeated administration of an anti–inflammatory hexahydroindazole. Lan SJ, et al. **Xenobiotica** 1983 Jun;13(6):329–35

Effect of anti–rheumatic drugs on the release of lysosomal enzymes from human leukocytes. Wildfeuer A. **Z Rheumatol** 1984 Jan–Feb;43(1):23–6

[Anti–inflammatory actions of tanshinone] Gao YG. **Chung Hsi I Chieh Ho Tsa Chih** 1983 Sep;3(5):300–1 (Eng. Abstr.) **(Chi)**

[Anti–inflammatory effect of 3–acetylaconitine] Tang XC, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Jun;5(2):85–9 (Eng. Abstr.) **(Chi)**

[Anti–inflammatory effect of Bacillus subtilis neutral protease] Zhou ZD, et al. **Chung Kuo Yao Li Hsueh Pao** 1983 Sep;4(3):214–6 (Eng. Abstr.) **(Chi)**

[The anti–inflammatory action of 'Zhi–Mi–Ling'] Zhou CC. **Chung Yao Tung Pao** 1984 Jan;9(1):40–1 **(Chi)**

[Effects of sodium aurothiopropanol sulfonate on the proliferation kinetics of articular chondrocytes in culture] Adolphe M, et al. **Ann Pharm Fr** 1983;41(6):523–9 (Eng. Abstr.) **(Fre)**

[Current aspects of the inflammation phenomenon and mechanism of action of anti–inflammatory agents] Dreux C. **Sem Hop Paris** 1983 Dec 12;59(46):3173–6 **(Fre)**

[Inflammation and rheumatism: toward a new therapeutic approach] Fredj G, et al. **Sem Hop Paris** 1983 Oct 20; 59(37–38):2651–3 **(Fre)**

[Relation between the inhibitory effect on the synthesis of the rabbit aorta contracting substance and prostaglandins and the anti–inflammatory activity of ketoprofen and other non–steroidal anti–inflammatory agents] Guyonnet JC, et al. **Sem Hop Paris** 1983 Dec 12;59(46):3194–6 (Eng. Abstr.) **(Fre)**

[Histopathologic studies of the effect of acemetacin on the articular cartilage of monkeys] Jacobi H, et al. **Med Welt** 1983 Nov 11;34(45):1277–81 **(Ger)**

[Interactions between diuretic therapy and non–steroid anti–inflammatory drugs] Jean G, et al. **Clin Ter** 1983 Jun 30;105(6):471–5 (Eng. Abstr.) **(Ita)**

[Pharmacologic profile of a new compound with antiinflammatory activity: 2–(4–dimethylvinylphenyl)propionic acid (Gx 258)] Bossoni G, et al. **Farmaco [Sci]** 1984 May;39(5):421–9 (Eng. Abstr.) **(Ita)**

[Permeability of rabbit uveal vessels following filtering surgery. 2. Effect of anti–inflammatory drugs] Tsuchisaka H, et al. **Nippon Ganka Gakkai Zasshi** 1983;87(9):661–5 (Eng. Abstr.) **(Jpn)**

[The analgesic and antipyretic effects of a non–steroidal anti–inflammatory drug, oxaprozin, in experimental animals] Amanuma F, et al. **Nippon Yakurigaku Zasshi** 1984 Apr;83(4):345–54 (Eng. Abstr.) **(Jpn)**

[The inhibitory effect of oxaprozin, a new non–steroidal anti–inflammatory drug, on platelet aggregation] Goto J, et al. **Nippon Yakurigaku Zasshi** 1984 May;83(5):395–400 (Eng. Abstr.) **(Jpn)**

[Anti–inflammatory activity of a non–steroidal anti–inflammatory agent, oxaprozin, in experimental models] Higuchi S, et al. **Nippon Yakurigaku Zasshi** 1984 May;83(5):383–94 (Eng. Abstr.) **(Jpn)**

[Active oxygen and anti–inflammatory drug: measurement by luminol dependent chemiluminescence] Mibu H, et al. **Nippon Yakurigaku Zasshi** 1984 Apr;83(4):355–62 (Eng. Abstr.) **(Jpn)**

[Experimental study of the interaction of nonsteroidal anti–inflammatory agents—voltaren and acetylsalicylic acid—with beta–adrenoblockers] Siubaev RD, et al. **Biull Eksp Biol Med** 1984 Jul;97(7):48–51 (Eng. Abstr.) **(Rus)**

[Effect of nonsteroid anti–inflammatory agents on the permeability of histohematic barriers] Berezniakova AI. **Farmakol Toksikol** 1983 Jul–Aug;46(4):61–5 (Eng. Abstr.) **(Rus)**

[Interaction of antirheumatic preparations] Reinicke C, et al. **Ter Arkh** 1984;56(5):14–9 (49 ref.) **(Rus)**

[Pharmacological properties of pyrazolone and pyrazolidine derivatives (review of the literature)] Mokhort NA, et al. **Vrach Delo** 1984 Mar;(3):39–45 (61 ref.) **(Rus)**

POISONING

Piroxicam poisoning. Lo GC, et al. **Br Med J [Clin Res]** 1983 Sep 17;287(6395):798

Toxicity of nonsteroidal anti–inflammatory drugs. The Medical Letter. **Conn Med** 1984 Jan;48(1):53–4

Piroxicam poisoning in a 2–year–old child. A case report. MacDougall LG, et al. **S Afr Med J** 1984 Jul 7;66(1):31–3

SUPPLY & DISTRIBUTION

Drug development, guidelines, and the Food and Drug Administration [editorial] Roth SH, et al. **Ann Intern Med** 1984 Jul;101(1):125–7

Availability of non–steroidal anti–inflammatory drugs over the counter: information needed. Dawes PT, et al. **Br Med J [Clin Res]** 1984 Aug 18;289(6442):413–4

THERAPEUTIC USE

The efficacy of depo–medrone in sports injuries. Boghemans J. **Acta Belg Med Phys** 1984 Apr–Jun;7(2):47–50

Local application of indomethacin in healthy eyes and in post–operative cataract patients. Krogh E, et al. **Acta Ophthalmol (Copenh)** 1984 Feb;62(1):96–103

Effect of etodolac on articular and bone pathology associated with adjuvant arthritis in rats: a comparison with aspirin and naproxen. Martel RR, et al. **Agents Actions** 1984 Feb; 14(2):257–64

A gastroprotective anti–inflammatory agent: the beta–morpholinoethyl ester of niflumic acid (morniflumate). Schiantarelli P, et al. **Agents Actions** 1984 Feb;14(2):247–56

Antiinflammatory aspects of exogenous arachidonic acid. Elliott GR, et al. **Agents Actions [Suppl]** 1984;14:207–13

Novel concepts in the mode of action of anti–inflammatory steroids. Rothhut B, et al. **Agents Actions [Suppl]** 1984; 14:171–80

Overview of efficacy of fenbufen in rheumatoid arthritis and osteoarthritis. Bernstein J. **Am J Med** 1983 Oct 31; 75(4B):70–4

Early experiences with auranofin in juvenile rheumatoid arthritis. Brewer EJ Jr, et al. **Am J Med** 1983 Dec 30; 75(6A):152–6

A 12–month comparative trial of auranofin and D–penicillamine in rheumatoid arthritis. Felix–Davies DD, et al. **Am J Med** 1983 Dec 30;75(6A):138–41

Roentgenographic findings during auranofin treatment. Gofton JP, et al. **Am J Med** 1983 Dec 30;75(6A):142–4

Auranofin: bane or bonanza for the nonrheumatologist. Kaplan H. **Am J Med** 1983 Dec 30;75(6A):145–51

Comparison of auranofin, gold sodium thiomalate, and placebo in the treatment of rheumatoid arthritis. Subsets of responses. Ward JR, et al. **Am J Med** 1983 Dec 30; 75(6A):133–7

Gold therapy in patients with systemic lupus erythematosus. Weisman MH, et al. **Am J Med** 1983 Dec 30;75(6A):157–64

Auranofin versus placebo in the treatment of rheumatoid arthritis. Wenger ME, et al. **Am J Med** 1983 Dec 30; 75(6A):123–7

Treating arthritis with nonsteroidals. Gurwich E. **Am Pharm** 1984 Jul;NS24(7):86–9

Blood gold concentrations in children with juvenile rheumatoid arthritis undergoing long–term oral gold therapy. Giannini EH, et al. **Ann Rheum Dis** 1984 Apr; 43(2):228–31

Monocyte superoxide anion production in rheumatoid arthritis: preliminary evidence for enhanced rates of superoxide anion production by monocytes from patients receiving penicillamine, sodium aurothiomalate and corticosteroids. Hurst NP, et al. **Ann Rheum Dis** 1984 Feb; 43(1):28–33

Gold levels produced by treatment with auranofin and sodium aurothiomalate. Lewis D, et al. **Ann Rheum Dis** 1983 Oct;42(5):566–70

Progression of radiological changes in rheumatoid arthritis. Scott DL, et al. **Ann Rheum Dis** 1984 Feb;43(1):8–17

Long–term follow–up of corticosteroid injection for traumatic olecranon bursitis. Weinstein PS, et al. **Ann Rheum Dis** 1984 Feb;43(1):44–6

Effects of antiarthritic compounds on type II collagen–induced arthritis in rats. Probert AW Jr, et al. **Arch Int Pharmacodyn Ther** 1984 May;269(1):167–76

Nonsteroidal anti–inflammatory drugs. Wolf RE. **Arch Intern Med** 1984 Aug;144(8):1658–60

Effect of dexamethasone in the prevention of arachnoiditis produced by blood. Mateos–Gómez JH, et al. **Arch Invest Med (Mex)** 1984 Jan–Mar;15(1):13–6 **(Eng, Spa)**

Intra–articular orgotein therapy in osteoarthritis of the knee. A double–blind, placebo–controlled trial. Lund–Olesen K, et al. **Arzneimittelforsch** 1983;33(8):1199–203

Clinical evaluation of two strategies for improving patient recall of prior drug therapy. Bellamy N, et al. **Br J Clin Pharmacol** 1984 Jun;17(6):769–72

Allergic contact dermatitis in the domestic pig. A new model for evaluating the topical anti–inflammatory activity of drugs and their formulations. Bilski AJ, et al. **Br J Dermatol** 1984 Jul;111 Suppl 27:143

Structural requirements for activity of certain 'specific' antirheumatic drugs: more than a simple thiol group? Drury PL, et al. **Br J Rheumatol** 1984 May;23(2):100–6

Migraine headache:—the prophylactic role of an isopyrin–phebuzine compound (Tomanol). Mamvura CB. **Cent Afr J Med** 1983 Oct;29(10):200–1

Penicillamine and other remittive agents in rheumatoid arthritis: comparisons and interaction. Stein HB, et al. **Clin Invest Med** 1984;7(1):59–63

Strategies for medical treatment based on current understanding of the pathogenesis of rheumatoid arthritis. Trentham DE. **Clin Orthop** 1984 Jan–Feb;(182):31–6 (33 ref.)

Clinical trials in the rheumatic diseases. **Clin Rheum Dis** 1983 Dec;9(3):489–698

Psoriatic arthritis. Bird HA, et al. **Clin Rheum Dis** 1983 Dec; 9(3):671–80

Rheumatoid arthritis—anti–inflammatory drugs. Paulus HE. **Clin Rheum Dis** 1983 Dec;9(3):571–80

Prevalence of decreased bone mass in rheumatoid arthritis. Relation to anti–inflammatory treatment. Als OS, et al. **Clin Rheumatol** 1984 Jun;3(2):201–8

Comparison of timegadine and naproxen in rheumatoid arthritis. A placebo controlled trial. Berry H, et al. **Clin Rheumatol** 1983 Dec;2(4):357–61

A single–blind comparative study of auranofin and hydroxychloroquine in patients with rheumatoid arthritis. Bird HA, et al. **Clin Rheumatol** 1984 Mar;3 Suppl 1:57–66

Timegadine: long–term open study in rheumatoid arthritis. Caruso I, et al. **Clin Rheumatol** 1983 Dec;2(4):363–7

Changes in mononuclear cell function in patients with rheumatoid arthritis following treatment with auranofin. Coughlan RJ, et al. **Clin Rheumatol** 1984 Mar;3 Suppl 1:25–32

Longterm experience with oral gold in rheumatoid arthritis and psoriatic arthritis. Dequeker J, et al. **Clin Rheumatol** 1984 Mar;3 Suppl 1:67–74

Auranofin and D–penicillamine: a one year comparative study of safety and efficacy in patients with rheumatoid arthritis followed by a two year open assessment of auranofin. Franchimont P, et al. **Clin Rheumatol** 1984 Mar; 3 Suppl 1:75–82

Auranofin in juvenile rheumatoid arthritis. An open label, non–controlled study. Garcia–Morteo O, et al. **Clin Rheumatol** 1984 Jun;3(2):223–7

The effects of auranofin and parenteral gold in the treatment of rheumatoid arthritis: an X–ray analysis. Larsen A, et al. **Clin Rheumatol** 1984 Mar;3 Suppl 1:97–104

A comparative trial of timegadine and D–penicillamine in rheumatoid arthritis. Mbuyi–Muamba JM, et al. **Clin Rheumatol** 1983 Dec;2(4):369–74

Worldwide clinical experience with auranofin. Morris RW, et al. **Clin Rheumatol** 1984 Mar;3 Suppl 1:105–11 (24 ref.)

An European open multicentre trial with auranofin in

rheumatoid arthritis. Raeman F, et al. **Clin Rheumatol** 1984 Mar;3 Suppl 1:33–8

Hypothalamic–pituitary–adrenal (HPA) axis function in patients receiving long-term intra-articular corticosteroids. Reid DM, et al. **Clin Rheumatol** 1983 Jun;2(2):159–61

Effect of nonsteroidal anti-inflammatory drugs on the renal excretion of uric acid. Tiitinen S, et al. **Clin Rheumatol** 1983 Sep;2(3):233–6

Comparison of auranofin and aurothioglucose in the treatment of rheumatoid arthritis: a single blind study. van Riel PL, et al. **Clin Rheumatol** 1984 Mar;3 Suppl 1:51–6

Evaluating slow-acting antirheumatic drug therapies for rheumatoid arthritis. Ward JR, et al. **Clin Rheumatol** 1983 Jun;2(2):189–95

Auranofin, gold sodium thiomalate, and placebo in the treatment of rheumatoid arthritis. Cooperative systematic studies of rheumatic diseases. Williams HJ, et al. **Clin Rheumatol** 1984 Mar;3 Suppl 1:39–50

Etodolac, aspirin, and placebo in patients with degenerative joint disease: a twelve-week study. Andelman SY. **Clin Ther** 1983;5(6):651–61

A six-month parallel group comparison of fenbufen and naproxen in the treatment of rheumatoid arthritis. Khan FM. **Clin Ther** 1983;5(5):483–7

Nimesulide for treatment of acute inflammation of the upper respiratory tract. Nouri ME. **Clin Ther** 1984;6(2):142–50

Pharmacologic treatment of juvenile arthritis. Baum J. **Compr Ther** 1983 Sep;9(9):8–13

A clinical evaluation of the antiarthritic agents. Bhalla AK, et al. **Compr Ther** 1984 Aug;10(8):40–50

The diagnosis and management of gouty arthritis. Edwards NL. **Compr Ther** 1983 Sep;9(9):14–9

Diagnosis and management of bursitis. Ellman MH. **Compr Ther** 1984 Aug;10(8):14–20

Arthritis and rheumatism: old questions, new answers. Roth SH. **Compr Ther** 1984 Aug;10(8):58–64

Double-blind evaluation of low-dose proglumetacin versus naproxen in rheumatoid arthritis out-patients. Esprito Santo J, et al. **Curr Med Res Opin** 1983;8(7):524–30

A double-blind, parallel trial of oxaprozin versus naproxen in the treatment of osteoarthritis. Ginsberg F, et al. **Curr Med Res Opin** 1984;8(10):689–95

A multi-centre study of tiaprofenic acid ('Surgam') and five comparative drugs in rheumatoid arthritis and osteoarthritis in general practice. Mungavin JM, et al. **Curr Med Res Opin** 1983;8(7):461–71

Nimesulide and antibiotics in the treatment of acute infections of the respiratory tract. Reiner M. **Curr Med Res Opin** 1983;8(7):487–92

Other NSAIDs of choice for rheumatoid arthritis. Ehrlich GE. **Drug Intell Clin Pharm** 1984 Jan;18(1):39–41

Nonrheumatologic uses of NSAIDS. Evens RP. **Drug Intell Clin Pharm** 1984 Jan;18(1):52–5

Factors determining efficacy of NSAIDs. Porter RS. **Drug Intell Clin Pharm** 1984 Jan;18(1):42–51

Auranofin. A preliminary review of its pharmacological properties and therapeutic use in rheumatoid arthritis. Chaffman M, et al. **Drugs** 1984 May;27(5):378–424 (240 ref.)

Non-steroidal anti-inflammatory drugs. Current status and rational therapeutic use. Hart FD, et al. **Drugs** 1984 Mar; 27(3):232–55 (114 ref.)

Current status of disease-modifying drugs in progressive rheumatoid arthritis. O'Duffy JD, et al. **Drugs** 1984 May; 27(5):373–7 (40 ref.)

The effect of aspirin, indomethacin and sodium meclofenamate on coronary artery ligation arrhythmias in anaesthetized rats. Fagbemi SO. **Eur J Pharmacol** 1984 Jan 27;97(3–4):283–7

Pro-drugs of non-steroidal anti-inflammatory agents [editorial] Mizushima Y. **Eur J Rheumatol Inflamm** 1983; 6(2):141–2

The prostaglandin inhibitor effect of antiinflammatory drugs in the therapy of male infertility. Barkay J, et al. **Fertil Steril** 1984 Sep;42(3):406–11

Effects of various substances on two types of inflammatory reaction in animals. Hertz F, et al. **Gen Pharmacol** 1983; 14(4):419–27

Osteoarthritis: practical management in older patients. Wigley FM. **Geriatrics** 1984 Mar;39(3):101–3, 106–7, 111–2, passim

The use of carprofen, a non-steroidal antiinflammatory agent, in peptic ulcer diseases. Konturek SJ, et al. **Hepatogastroenterology** 1983 Dec;30(6):261–5

Pattern of response to systematised drug therapy in rheumatoid arthritis in Indians. Malaviya AN, et al. **Indian J Med Res** 1983 May;77:686–96

Anti-inflammatory derivatives of indan-1-acetic acids with low gastric irritancy. Roy A, et al. **Indian J Physiol Pharmacol** 1983 Oct–Dec;27(4):329–33

Effect of antiinflammatory agents on neutrophil superoxide production in rheumatoid arthritis. Spisani S, et al. **Inflammation** 1984 Mar;8(1):45–52

The rise and fall of a new anti-inflammatory analgesic. Hjortdal O, et al. **Int J Oral Surg** 1983 Dec;12(6):404–12

Effect of piracetam in models of experimental inflammation. Nikolova M, et al. **Int J Tissue React** 1984;6(1):17–21

Basic data supporting the use of the l-lysine salt of bendazac in cataract. Silvestrini B, et al. **Int J Tissue React** 1983; 5(2):217–25

Drug treatment of rheumatoid arthritis. Huskisson EC. **Int Rehabil Med** 1984;6(1):i–ii

Problems of antiarthritic therapy in the elderly. Brooks PM, et al. **J Am Geriatr Soc** 1984 Mar;32(3):229–34 (69 ref.)

Role of lipoxygenase products in murine pulmonary granuloma formation. Kunkel SL, et al. **J Clin Invest** 1984 Aug;74(2):514–24

The anti-inflammatory action of flurbiprofen suppositories in paediatric urology in comparison with co-trimoxazole. Bono AV, et al. **J Int Med Res** 1984;12(2):128–31

Efficacy and safety of a non-acetylated salicylate, choline magnesium trisalicylate, in the treatment of rheumatoid arthritis. Rothwell KG. **J Int Med Res** 1983;11(6):343–8

Resolution of etodolac and antiinflammatory and prostaglandin synthetase inhibiting properties of the enantiomers. Demerson CA, et al. **J Med Chem** 1983 Dec; 26(12):1778–80

Anti-inflammatory effects of praseodymium, gadolinium and ytterbium chlorides. Basile AC, et al. **J Pharmacobiodyn** 1984 Feb;7(2):94–100

Role of leukocytes in acute myocardial infarction in anesthetized dogs: relationship to myocardial salvage by anti-inflammatory drugs. Mullane KM, et al. **J Pharmacol Exp Ther** 1984 Feb;228(2):510–22

The efficacy of parenteral gold after auranofin failure in rheumatoid arthritis [letter] Wessel J, et al. **J Rheumatol** 1983 Aug;10(4):664

Anti-inflammatory drugs in the vascular response to burn injury. Ehrlich HP. **J Trauma** 1984 Apr;24(4):311–8

Systemic lupus erythematosus IX: nonsteroidal anti-inflammatory drugs and antimalarial agents. Schmidt MC. **Md State Med J** 1984 Apr;33(4):296–8

The importance of the vehicle in the treatment of dermatophytosis in hereditary palmo-plantar keratoderma. Nielsen PG. **Mykosen** 1984 May;27(5):227–30

Nerve growth factor has anti-inflammatory activity in the rat hindpaw oedema test. Banks BE, et al. **Neurosci Lett** 1984 Jun 1;47(1):41–5

Studies on the derivatives showing local anesthetic actions of several acidic antiinflammatory drugs, aiming at the possibility of treatment for leprous neuritis. Gidoh M, et al. **Nippon Rai Gakkai Zasshi** 1983 Jul–Sep;52(3):156–64

Nabumetone, a new non-steroidal anti-inflammatory drug: a comparison with naproxen. Richards AM, et al. **NZ Med J** 1983 Dec 14;96(745):1015–6

Drugs for treating arthritis. Hollander JL. **Penn Med** 1983 Dec;86(12):52–4

Effect of 5-2',5'-dimethyl-phenyl-6-oxa-1-azabicyclo[3,3,0]octane on adjuvant induced disease. Hadjipetrou-Kourounakis L, et al. **Pharm Acta Helv** 1983;58(9–10):256–8

Mechanism of action, pharmacology, clinical efficacy and side effects of auranofin. An orally administered organic gold compound for the treatment of rheumatoid arthritis. Furst DE. **Pharmacotherapy** 1983 Sep–Oct;3(5):284–98 (108 ref.)

Nabumetone: a double-blind study in osteoarthrosis. Gillgrass J, et al. **Pharmatherapeutica** 1984;3(9):592–4

A multi-centre, double-blind study of serrapeptase versus placebo in post-antrotomy buccal swelling. Tachibana M, et al. **Pharmatherapeutica** 1984;3(8):526–30

Effect of borjatriol on established adjuvant arthritis. Villar A, et al. **Pharmazie** 1983 Aug;38(8):566

The use of drugs in rheumatic diseases. Gall EP. **Primary Care** 1984 Jun;11(2):369–80

Antiinflammatory and antifibrogenic activities of colchicine: treatment of liver cirrhosis. Rojkind M, et al. **Prog Clin Biol Res** 1984;154:475–89 (72 ref.)

The effect of drugs on serum histidine levels in rheumatoid arthritis. Dixon JS, et al. **Rheumatol Int** 1983;3(4):145–9

Chloroquine phosphate treatment of chronic Chikungunya arthritis. An open pilot study. Brighton SW. **S Afr Med J** 1984 Aug 11;66(6):217–8

Clinical synovitis and radiological lesions in rheumatoid arthritis. A prospective study of 25 patients during treatment with remission-inducing drugs. Ingeman-Nielsen M, et al. **Scand J Rheumatol** 1983;12(3):237–40

Gold in rheumatoid arthritis; the past, present and future. Proceedings of a symposium held in Copenhagen, April 15–16, 1983. **Scand J Rheumatol [Suppl]** 1983;51:1–139

Gold in rheumatoid arthritis therapy today. Duration of therapy. Andersen RB. **Scand J Rheumatol [Suppl]** 1983; 51:127–8

Gold resistance in cultured human cells possible role of metallothionein. Glennås A. **Scand J Rheumatol [Suppl]** 1983;51:42–4 (8 ref.)

Clinical assessment. Gullberg R. **Scand J Rheumatol [Suppl]** 1983;51:56–7

Clinical assessment. Halberg P. **Scand J Rheumatol [Suppl]** 1983;51:58–61

Comparative safety and efficacy of auranofin and parenteral gold compounds: a review. Horton RJ. **Scand J Rheumatol [Suppl]** 1983;51:100–10 (39 ref.)

Is gold necessary in so called chrysotherapy? Munthe E, et al. **Scand J Rheumatol [Suppl]** 1983;51:46–51 (9 ref.)

Gold in rheumatoid arthritis therapy today. Paediatrics. Svantesson H. **Scand J Rheumatol [Suppl]** 1983;51:125–6

Comparison of oral and parenteral gold therapy and placebo in the treatment of rheumatoid arthritis. Williams HJ, et al. **Scand J Rheumatol [Suppl]** 1983;51:92–9

Auranofin: a unique oral chrysotherapeutic agent. Blodgett RC Jr, et al. **Semin Arthritis Rheum** 1984 Feb;13(3):255–73

Effects of nonsteroidal antiinflammatory drugs on the immune network. Førre O, et al. **Semin Arthritis Rheum** 1983 Aug;13(1 Suppl 1):130–3 (30 ref.)

Neutrophil activation as a mechanism of tissue injury. Jacob HS. **Semin Arthritis Rheum** 1983 Aug;13(1 Suppl 1):144–7

Aphakic cystoid macular edema. The pharmacology of ocular trauma. Sears ML. **Surv Ophthalmol** 1984 May;28 Suppl:525–34 (105 ref.)

A perspective on the treatment of aphakic cystoid macular edema. Yannuzzi LA. **Surv Ophthalmol** 1984 May;28 Suppl:540–53 (85 ref.)

Nonsteroid antiinflammatory agents as a substitute treatment for steroids in ATGAM-treated cadaver kidney recipients. Kreis H, et al. **Transplantation** 1984 Feb;37(2):139–45

Effect of deflazacort, a glucocorticoid with bone-sparing properties, on mixed lymphocyte response and skin graft rejection. Mistrello G, et al. **Transplantation** 1984 Aug; 38(2):192–4

Effect of anti-prostaglandin therapy in experimental parainfluenza type 3 pneumonia in weaned, conventional calves. Selman IE, et al. **Vet Rec** 1984 Aug 4;115(5):101–5

Effects of nonsteroidal antiinflammatory drugs in conventional dosage on glucose homeostasis in patients with diabetes. Mork NL, et al. **West J Med** 1983 Jul; 139(1):46–9

[Lonazolac–Calcium. A new non-steroidal antirheumatic agent for the treatment of progressive polyarthritis. A long-term open controlled trial] Pavelka K. **Fysiatr Reumatol Vestn** 1984 Apr;62(2):80–7 (Eng. Abstr.) **(Cze)**

[The role of chrysothiotherapy in the treatment of progressive polyarthritis] Vojtíšek O, et al. **Fysiatr Reumatol Vestn** 1984 Apr;62(2):106–12 (Eng. Abstr.) **(Cze)**

[Drug treatment of sinusitis] Van Cauwenberge P. **Acta Otorhinolaryngol Belg** 1983;37(4):614–23 (Eng. Abstr.) **(Dut)**

[Treatment of inflammatory disease of the prostate with non-steroid anti-inflammatory agents] Simon J, et al. **Acta Urol Belg** 1983;51(4):532–7 (Eng. Abstr.) **(Fre)**

[Anti-inflammatory activity of a copper complex carrying a sugar vector, and observed serum copper levels] Arnaud C, et al. **C R Seances Acad Sci [III]** 1983;296(14):637–9 (Eng. Abstr.) **(Fre)**

[Nonsteroidal anti-inflammatory agents in pediatrics (1)] Louis JJ. **Pediatrie** 1984 Jan–Feb;39(1):65–75 (66 ref.) **(Fre)**

[Results of a regional survey on the treatment of rhizomelic pseudopolyarthritis and temporal arteritis. Apropos of 242 cases treated by various modalities with synthetic antimalarials, corticoids and non-steroidal anti-inflammatory agents] David-Chaussé J, et al. **Rev Rhum Mal Osteoartic** 1983 Jul–Sep;50(8–9):563–71 (Eng. Abstr.) **(Fre)**

[Non-steroidal anti-inflammatory agents. Evaluation criteria in discal sciatic neuralgia] Decousus H, et al. **Sem Hop Paris** 1983 Dec 12;59(46):3183–6 (Eng. Abstr.) **(Fre)**

[Generalities on clinical trials of the effectiveness of non-steroidal anti-inflammatory agents] Méry C. **Sem Hop Paris** 1983 Dec 12;59(46):3177–9 (Eng. Abstr.) **(Fre)**

[Methods for evaluating non-steroidal anti-inflammatory agents in rheumatoid polyarthritis] Vignon E, et al. **Sem Hop Paris** 1983 Dec 12;59(46):3180–2 (Eng. Abstr.) **(Fre)**

[Long-term anti-inflammatory treatment of chronic uveitis in children and adults. Necessity and adverse effects] Martenet AC. **Ther Umsch** 1984 Apr;41(4):266–70 (Eng. Abstr.) **(Fre)**

[Nonsteroidal anti-inflammatory agents. Evaluation criteria in disc sciatic neuralgia] Decousus H, et al. **Therapie** 1983 Jul–Aug;38(4):423–9 (Eng. Abstr.) **(Fre)**

[Methods for evaluating nonsteroidal anti-inflammatory agents (1). Effect of the nature of the disease treated on the placebo effect in trials of nonsteroidal anti-inflammatory agents] Gérard MJ, et al. **Therapie** 1983 Jul–Aug;38(4):415–8 (Eng. Abstr.) **(Fre)**

[Methods for evaluating nonsteroidal anti-inflammatory agents in rheumatoid arthritis] Vignon E, et al. **Therapie** 1983 Jul–Aug;38(4):419–22 (Eng. Abstr.) **(Fre)**

[Therapy of activated gonarthrosis with etofenamate cream (Rheumon cream)] Gross W. **Fortschr Med** 1983 Nov 17; 101(43):1995–8 (Eng. Abstr.) **(Ger)**

[Treatment of rheumatic diseases of soft tissues with Mobilisin Gel. Results of a double-blind study] Hohmeister R. **Fortschr Med** 1983 Sep 15;101(35):1586–8 **(Ger)**

[Conservative therapy of activated gonarthrosis. Double-blind study of proglumetacine and piroxicam] Puhl W, et al. **Fortschr Med** 1984 Jun 21;102(23):653–6 (Eng. Abstr.) **(Ger)**

[Non-steroid antirheumatic agents. Criteria for a rational selection] Rechziegler H. **Fortschr Med** 1984 May 3; 102(17):497–502 (Eng. Abstr.) **(Ger)**

[Effect of antiphlogistic substances on postcontusional intraocular irritation an animal experiment study] Kreutzer PH. **Fortschr Ophthalmol** 1983;80(2):148–51 (Eng. Abstr.) **(Ger)**

[Intra-articular therapy with superoxide dismutase (orgotein) or cortisone in rheumatoid and arthritic inflammatory finger joint lesions] Talke M. **Handchir Mikrochir Plast Chir** 1984 Mar;16(1):59–63 (Eng. Abstr.) **(Ger)**

[Efficacy and tolerance of isoxicam in outpatients with

gonarthrosis and coxarthrosis. Comparison with another non-steroid antirheumatic agent] Hiebsch HJ, et al. **Med Welt** 1983 Nov 11;34(45):1286–9 (Ger)

[Multicenter study of Felden 20 suppositories in 3887 patients] von Criegern T. **Med Welt** 1983 Nov 11; 34(45):1290–3 (Ger)

[Treatment of chronic polyarthritis. Double-blind study with proglumetacin compared to diclofenac] Grosse-Kielisch C, et al. **MMW** 1983 Nov 25;125(47):1105–6 (Ger)

[A field study: piroxicam in arthrosis and soft tissue rheumatism. Results of a multicenter study] Knüsel O, et al. **Praxis** 1983 Sep 13;72(37):1189–94 (Eng. Abstr.) (Ger)

[Emovate in dermatological practice] Bigliardi P. **Ther Umsch** 1984 Jun;41(6):425–8 (Eng. Abstr.) (Ger)

[Treatment of gonarthrosis with tolectin] Fellmann N. **Ther Umsch** 1984 May;41(5):370–4 (Eng. Abstr.) (Ger)

[Recently discovered mechanisms of action of non-steroidal antirheumatic agents: possible, not only symptomatic therapeutic effects] Juan H. **Wien Klin Wochenschr** 1983 Dec 23;95(24):865–9 (Eng. Abstr.) (Ger)

[Therapy of rheumatoid polyarthritis. A year's experience with proglumetacin] König B. **ZFA (Stuttgart)** 1983 Oct 10;59(28):1585–9 (Ger)

[The clinical efficacy and tolerance of a new anti-inflammatory agent, carprofen, in osteoarthritis. Comparative double-blind study with naproxen] Cozzolino F, et al. **Clin Ter** 1983 Sep 30;106(6):435–9 (Eng. Abstr.) (Ita)

[Use of trace elements in therapy of secretory otitis media; preliminary results] Passàli D, et al. **Clin Ter** 1983 Sep 15; 106(5):367–77 (Eng. Abstr.) (Ita)

[Chiromorphoergometry and chirophotogrammetry in monitoring non-steroid anti-inflammatory agents] Pauri A, et al. **Clin Ter** 1983 Dec 31;107(6):477–83 (Eng. Abstr.) (Ita)

[Treatment of osteoarthrosis with a new nonsteroidal anti-inflammatory agent, carprofen] Pipino F, et al. **Clin Ter** 1984 Mar 15;108(5):405–10 (Eng. Abstr.) (Ita)

[A multicenter study on the effectiveness of non-steroidal anti- inflammatory agents associated with nandrolone decanoate in the management of osteoarthritis and rheumatoid arthritis] Caniggia A. **Minerva Med** 1983 Nov 30;74(45–46):2737–99 (Ita)

[Medical therapy of pain in oncology] Pannuti F, et al. **Minerva Med** 1984 Jun 8;75(24):1451–61 (Eng. Abstr.) (Ita)

[Antinephritic effect of tiaramide on experimental nephritis in rats. (1). Effects on nephrotic-type and crescentic-type anti-GBM nephritis] Suzuki Y, et al. **Nippon Jinzo Gakkai Shi** 1984 Feb;26(2):251–61 (Eng. Abstr.) (Jpn)

[Action of piroxicam on allergic inflammation] Abe N, et al. **Nippon Yakurigaku Zasshi** 1983 May;81(5):431–40 (Eng. Abstr.) (Jpn)

[Anti-inflammatory effect of Cu-Zn superoxide dismutase on carrageenin-induced arthritis in rabbits] Ohno H, et al. **Nippon Yakurigaku Zasshi** 1983 Nov;82(5):375–81 (Eng. Abstr.) (Jpn)

[Procedure for the evaluation of anti-inflammatory and analgesic agents for the treatment of chronic rheumatoid arthritis: a standard adopted by the Drug Evaluation Committee of the Japan Rheumatism Association] Shichikawa K, et al. **Ryumachi** 1983 Aug;23(4):254–67 (Jpn)

[Effect of a transcutaneous non-steroidal anti-inflammatory agent, etofenamate gel, on mixed phlogistic-induced hind paw edema and traumatic edema] Nakamura H, et al. **Yakugaku Zasshi** 1983 Jun;103(6):667–74 (Eng. Abstr.) (Jpn)

[Piroxicam (Felden)] Rugstad HE. **Tidsskr Nor Laegeforen** 1983 Sep 10;103(25):1762–3 (Nor)

[Clinical pharmacology of oxicams] Stochla K, et al. **Pol Tyg Lek** 1983 Jul 25;38(30):933–7 (Pol)

[Comparative clinical evaluation of the preparations Feldene-Pfizer and Ibuprofen-Polfa in the treatment of patients with osteoarthritis] Gburek Z, et al. **Reumatologia** 1983;21(3–4):305–9 (Eng. Abstr.) (Pol)

[Clinical evaluation of Profenid] Gburek Z. **Reumatologia** 1982;20(3–4):225–9 (Pol)

[Results of treatment of patients with rheumatoid arthritis with Voltaren SR and Metindol] Maldykowa H, et al. **Reumatologia** 1983;21(3–4):265–70 (Eng. Abstr.) (Pol)

[Feldene (piroxicam) in the treatment of ankylosing spondylitis] Sadowska-Wróblewska M, et al. **Reumatologia** 1983;21(1):55–8 (Pol)

[Effect of naprosin on the clinical picture and selected biochemical parameters in degenerative diseases of the peripheral joints] Bernacka K, et al. **Wiad Lek** 1983 Oct 15;36(20):1689–94 (Eng. Abstr.) (Pol)

[Anti-inflammatory drugs] Cristea E. **Rev Chir [Oftalmol]** 1983 Oct-Dec;27(4):293–9 (Eng. Abstr.) (Rum)

[Juvenile ankylosing spondylitis] Domnişoru L, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Jan-Mar;87(1):96 (Rum)

[Influence of prodigiozan, methyluracil and levamisole on the anti-inflammatory effect of nonsteroid antiphlogistics] Bogdanova ASh. **Antibiotiki** 1984 Jun;29(6):453–6 (Eng. Abstr.) (Rus)

[Relation between the prolongation of the anti-inflammatory activity of liposome-encapsulated hydrocortisone and liposome composition in experimental arthritis] Davidenkova EF, et al. **Biull Eksp Biol Med** 1984 Jun; 97(6):656–8 (Eng. Abstr.) (Rus)

[Change in the anti-inflammatory activity of nonsteroidal antiphlogistics in conditions of acute hypoxic hypoxia] Berezniakova AI, et al. **Farmakol Toksikol** 1983 Sep-Oct; 46(5):59–61 (Eng. Abstr.) (Rus)

[Comparative evaluation of the effect of plant polysaccharides on the inflammatory process and regeneration in chronic stomach ulcer] Lavrenova GIu, et al. **Farmakol Toksikol** 1983 Jul-Aug;46(4):85–9 (Eng. Abstr.) (Rus)

[Effect of current anti-inflammatory agents on the reparative stage of inflammation] Nasyrov KhM, et al. **Farmakol Toksikol** 1984 Jan-Feb;47(1):84–8 (Eng. Abstr.) (Rus)

[Use of delagil to prevent recurrences in patients with chronic bronchitis] Dotsenko IaN, et al. **Klin Med (Mosk)** 1984 Apr;62(4):56–9 (Eng. Abstr.) (Rus)

[Pyrogenal in the combined therapy of erysipelatous inflammation] Frolov VM, et al. **Sov Med** 1984;(1):95–8 (Rus)

[Use of glycyram in the treatment of dermatoses] Shakhnes IE. **Vestn Dermatol Venerol** 1983 Nov;(11):50–2 (Eng. Abstr.) (Rus)

TOXICITY

Microvascular injury during gastric mucosal damage by anti-inflammatory drugs in pigs and rats. Rainsford KD. **Agents Actions** 1983 Aug;13(5–6):457–60

Morphologic and functional effects of piroxicam on myocardial scar formation after coronary occlusion in dogs. Hammerman H, et al. **Am J Cardiol** 1984 Feb 1;53(4):604–7

Endoscopic studies of gastric and duodenal injury after the use of ibuprofen, aspirin, and other nonsteroidal anti-inflammatory agents. Lanza FL. **Am J Med** 1984 Jul 13;77(1A):19–24

Effects of fenbufen, indomethacin, naproxen, and placebo on gastric mucosa of normal volunteers. A comparative endoscopic and photographic evaluation. Lanza FL, et al. **Am J Med** 1983 Oct 31;75(4B):75–9

Comparative study of gastrointestinal microbleeding caused by aspirin, fenbufen, and placebo. Lussier A, et al. **Am J Med** 1983 Oct 31;75(4B):80–3

Response of dogs to subcutaneous injections of various concentrations of propylene glycol with water. Brown JM, et al. **Am J Vet Res** 1984 Jan;45(1):83–6

The potentiation of taurocholate-induced rat gastric erosions following parenteral administration of cyclo-oxygenase inhibitors. Whittle BJ. **Br J Pharmacol** 1983 Nov; 80(3):545–51

Photopatch test reactions to tiaprofenic acid. Przybilla B, et al. **Contact Dermatitis** 1984 Jan;10(1):55–6

Interaction between reserpine and non-steroidal anti-inflammatory agents in producing gastric ulcers in rats. Scepović Z, et al. **Eur J Pharmacol** 1984 Mar 2; 98(3–4):445–8

The acute action of fenbufen and piroxicam on the gastric mucosa as measured by gastric microbleeding. Collins AJ, et al. **J Int Med Res** 1984;12(3):179–83

Toxicological studies on Amfenac sodium (AHR-5850) (I) Acute toxicities in mice and rats. Sasaki H, et al. **J Toxicol Sci** 1984 Feb;9(1):87–99

Effects of intraarticular injection of halopredone diacetate on the articular cartilage of rabbit knees: a comparison with methylprednisolone acetate. Ishikawa K, et al. **Toxicol Appl Pharmacol** 1984 Sep 30;75(3):423–36

Reproductive studies with the anti-inflammatory agent, piroxicam: modification of classical protocols. Perraud J, et al. **Toxicology** 1984 Feb 14;30(1):59–63

Reversible restriction of vesicular stomatitis virus in permissive cells treated with inhibitors of prostaglandin biosynthesis. Mukherjee PK, et al. **Virology** 1984 Jun; 135(2):345–55

URINE

Structural determination of rat urinary metabolites of sodium 2-[4-(2-oxocyclopentylmethyl)phenyl]propionate dihydrate (loxoprofen sodium), a new anti-inflammatory agent. Naruto S, et al. **Chem Pharm Bull (Tokyo)** 1984 Jan; 32(1):258–67

Terminal N-sulphoconjugation of an alicyclic amine (piperazine), identified as a new metabolite of tiaramide in mouse and rat. Iwasaki K, et al. **Xenobiotica** 1983 May; 13(5):273–8

ANTI-INFLAMMATORY AGENTS, TOPICAL

BRL 20459, a novel topically active non-steroidal anti-inflammatory drug. Green AP, et al. **J Pharm Pharmacol** 1984 May;36(5):314–7

[Pharmacologic-toxicologic study of an ibuprofen-containing creme] Gruber K, et al. **Arzneimittelforsch** 1983;33(8):1176–80 (Eng. Abstr.) (Ger)

[Anti-inflammatory activity in dermatologic formulations of 3-carboxymethylthiotriazoles] Puglisi G, et al. **Boll Chim Farm** 1983 Aug;122(8):374–83 (Eng. Abstr.) (Ita)

[Treatment of suppurative-inflammatory processes by roentgen irradiation combined with the local use of collocyl] Kavkalo DN, et al. **Klin Khir** 1984 Jan;(1):7–10 (Eng. Abstr.) (Rus)

ADMINISTRATION & DOSAGE

[Clinical experiences with a fibrin-nebacetin-spongy bone seal in the treatment of chronic bone infections and as local prophylaxis of infection in uninfected bones] Goudarzi YM. **Aktuel Traumatol** 1983 Oct;13(5):205–9 (Eng. Abstr.) (Ger)

[Orthograde intestinal irrigation with and without the addition of antibiotics. Postoperative results following colon interventions] Gruber J, et al. **MMW** 1983 Dec 16; 125(50):1187–8 (Ger)

[Multicomponent ointments with hydrophilic bases for the treatment of purulent wounds] Datsenko BM, et al. **Klin Khir** 1984 Jan;(1):10–4 (Eng. Abstr.) (Rus)

[Variants of irrigotherapy of lumbosacral radicular syndromes] Neimark EZ, et al. **Vrach Delo** 1984 Mar; (3):97–9 (Eng. Abstr.) (Rus)

METABOLISM

[Transdermal salicylate absorption and behavior of corticosteroid plasma levels during epidermal administration of an antiphlogistic ointment] Dasch W, et al. **Arzneimittelforsch** 1983;33(8):1196–9 (Eng. Abstr.) (Ger)

PHARMACODYNAMICS

Anti-inflammatory adrenal steroids that neither inhibit skin collagen synthesis nor cause dermal atrophy. DiPetrillo T, et al. **Arch Dermatol** 1984 Jul;120(7):878–83

Inhibition of T cell-mediated cytotoxicity by anti-inflammatory steroids. Schleimer RP, et al. **J Immunol** 1984 Jan;132(1):266–71

The measuring of the antiinflammatory effect of a compound on the skin of volunteers. Albring M, et al. **Methods Find Exp Clin Pharmacol** 1983 Oct;5(8):575–7

THERAPEUTIC USE

Investigations on the activity of p-chlorophenylamide of 3-methyl-5-benzoylaminoisothiazole-4-carboxylic acid (ITCL) in the experimental keratitis. Giełdanowski J. **Arch Immunol Ther Exp (Warsz)** 1983;31(5):621–9

Studies on the therapeutic effect of Wratizolin in selected dermatoses. Michałowski R, et al. **Arch Immunol Ther Exp (Warsz)** 1983;31(5):649–54

Clinical studies on the effectiveness of Wratizolin in the treatment of some dermatoses. Szarmach H, et al. **Arch Immunol Ther Exp (Warsz)** 1983;31(5):655–61

Flunisolide nasal spray in the treatment of perennial rhinitis. Joubert JR. **S Afr Med J** 1983 Oct 8;64(16):623–4

[Hydatic cyst of the pelvis. Failure of treatment with flubendazole] Gallais H, et al. **Bull Soc Pathol Exot Filiales** 1983 Nov;76(5):709–12 (Eng. Abstr.) (Fre)

[Local treatment of psoriasis vulgaris with prescription drugs] de la Brassinne M, et al. **Rev Med Liege** 1983 Sep 15; 38(18):690–2 (Fre)

[Comparative study of topical treatment of seasonal allergic rhinitis with aqueous beclomethasone and flunisolide] Varonier HS, et al. **Ther Umsch** 1984 May;41(5):375–9 (Eng. Abstr.) (Fre)

[Comparison of the antiphlogistic effect of mucopolysaccharide-polysulfate ointments with heparin-containing ointments in the UV erythema test] Raake W. **Arzneimittelforsch** 1984;34(4):449–51 (Eng. Abstr.) (Ger)

[Local antibiotic therapy of intrathoracic surgical infections in childhood] Willital GH. **Fortschr Med** 1983 Sep 22; 101(36):1631–4 (Ger)

[Agents for skin protection from contaminants prepared with phenolformaldehyde and epoxy resin bases] Farashchuk NF, et al. **Gig Tr Prof Zabol** 1983 Sep;(9):52–3 (Rus)

ANTILEPROTIC AGENTS see **LEPROSTATIC AGENTS**

ANTILIPEMIC AGENTS

Low density lipoprotein-lowering and high density lipoprotein-elevating effects of nicardipine in rats. Ohata I, et al. **Biochem Pharmacol** 1984 Jul 15;33(14):2199–205

Hypolipidemia and peroxisome proliferation induced by phenoxyacetic acid herbicides in rats. Vainio H, et al. **Biochem Pharmacol** 1983 Sep 15;32(18):2775–9

Antihyperlipidemic activity of o-chlorobenzylsulfonamide in rodents. Hall IH, et al. **J Pharm Sci** 1984 Mar;73(3):378–81

Hypolipidemic activity of 4-phenyl-5,5-dicarbethoxy-2-pyrrolidinone in rodents. Hall IH, et al. **J Pharm Sci** 1984 Jun;73(6):812–5

Antihyperlipidemic activity of phthalimide analogues in rodents. Hall IH, et al. **J Pharm Sci** 1983 Aug;72(8):845–51

Antihyperlipidemic activity of saccharin analogues in rodents. Hall IH, et al. **J Pharm Sci** 1983 Oct;72(10):1192–8

How do polyunsaturated fatty acids lower plasma cholesterol levels? Horrobin DF, et al. **Lipids** 1983 Aug;18(8):558–62

[Effect of trapidil on experimental hyperlipemia and atherosclerosis induced by cholesterol diet in SPF Japanese white rabbits] Gotoh H, et al. **Nippon Yakurigaku Zasshi** 1983 Nov;82(5):303–19 (Eng. Abstr.) (Jpn)

[Antihyperlipidemic effect of iodine egg: Search for the screening method and active ingredients] Kaji K, et al.

Nippon Yakurigaku Zasshi 1984 Mar;83(3):255–61 (Eng. Abstr.) **(Jpn)**

[Antihyperlipidemic effect of iodine egg: search for active ingredients and their iodine contents] Kaji K, et al. **Nippon Yakurigaku Zasshi** 1984 Apr;83(4):325–9 (Eng. Abstr.) **(Jpn)**

ADMINISTRATION & DOSAGE

Treatment of type III hyperlipoproteinemia with four different treatment regimens. Hoogwerf BJ, et al. **Atherosclerosis** 1984 May–Jun;51(2–3):251–9

Plasma lecithin:cholesterol acyltransferase — reference values and effects of xenobiotics. Hitz J, et al. **Clin Chim Acta** 1983 Sep 15;133(1):85–96

[Effect of 1 month's treatment with Bezalip on the serum lipids and lipoproteins of patients with different types of hyperlipoproteinemias] Kiriakov A, et al. **Vutr Boles** 1983; 22(3):74–81 (Eng. Abstr.) **(Bul)**

ADVERSE EFFECTS

[Morphometric study of hepatic peroxisomes in hyperlipoproteinemic patients treated with fenofibrate] Gariot P, et al. **Biomed Pharmacother** 1984;38(2):101–6 (Eng. Abstr.) **(Fre)**

BLOOD

A liquid chromatographic method for the determination of AY-25,712, a lipid-lowering agent, in serum. Gonzalez R, et al. **Clin Biochem** 1983 Aug;16(4):244–8

Gas chromatographic determination of gemfibrozil and its metabolites in plasma and urine. Randinitis EJ, et al. **J Chromatogr** 1984 Apr 13;307(1):210–5

CHEMICAL SYNTHESIS

Studies on hypolipidemic agents. I. Synthesis and pharmacological properties of nicotinic acid–ethanolamine derivatives. Seki K, et al. **Chem Pharm Bull (Tokyo)** 1983 Nov;31(11):4116–26

Studies on hypolipidemic agents. II. Synthesis and pharmacological properties of alkylpyrazole derivatives. Seki K, et al. **Chem Pharm Bull (Tokyo)** 1984 Apr; 32(4):1568–77

Hypolipidemic activity of phthalimide derivatives IV: Further chemical modification and investigation of the hypolipidemic activity of N-substituted imides. Chapman JM Jr, et al. **J Pharm Sci** 1983 Nov;72(11):1344–7

Structure–activity studies on antihyperlipidemic N-benzoylsulfamates, N-benzylsulfamates, and benzylsulfonamides. Wyrick SD, et al. **J Pharm Sci** 1984 Mar;73(3):374–7

[Some 4-phenylthiopyridine-3-sulfonamides with hypolipemic properties] Delarge J, et al. **Ann Pharm Fr** 1983;41(1):55–60 (Eng. Abstr.) **(Fre)**

[The effect of various 2-phenylamino-3-pyridine carbamoylsulfonamides on blood lipids] Delarge J, et al. **J Pharm Belg** 1983 Nov–Dec;38(6):293–7 (Eng. Abstr.) **(Fre)**

[Aryloxy- and arylthioalkylamine hypolipidemic agents] Duranti E, et al. **Farmaco [Sci]** 1983 Sep;38(9):664–71 (Eng. Abstr.) **(Ita)**

PHARMACODYNAMICS

Effect of a semipurified product obtained from Opuntia streptacantha L. (a cactus) on glycemia and triglyceridemia of rabbit. Ibáñez-Camacho R, et al. **Arch Invest Med (Mex)** 1983 Oct–Dec;14(4):437–43 **(Eng, Spa)**

Pharmacological studies with beclobrate, a new hypolipidemic agent. Adrian RW, et al. **Arzneimittelforsch** 1983;33(10):1464–8

Inhibition of adenylate cyclase and stimulation of a high affinity GTPase by the antilipolytic agents, nicotinic acid, acipimox and various related compounds. Aktories K, et al. **Arzneimittelforsch** 1983;33(11):1525–7

The effects of hypolipidemic agents derived from procetofenic acid on the activity of superoxide dismutase and glutathione peroxidase and on malonyl dialdehyde production of rat liver. Ciriolo MR, et al. **Arzneimittelforsch** 1984;34(4):465–7

Influence of beclobrate and enclobrate on cholesterol metabolism in rats. Kritchevsky D, et al. **Arzneimittelforsch** 1983;33(10):1469–71

Some comparative effects of gemfibrozil, clofibrate, bezafibrate, cholestyramine and compactin on sterol metabolism in rats. Maxwell RE, et al. **Atherosclerosis** 1983 Sep;48(3):195–203

Peroxisome-associated enzymes and serum lipids in tumour-bearing rats treated with peroxisome-proliferating agents. Moody DE, et al. **Biochem Pharmacol** 1984 Aug 15;33(16):2591–7

Accelerated regression of carcinogen-induced preneoplastic hepatocyte foci by peroxisome proliferators, BR931, 4-chloro-6-(2,3-xylidino)-2-pyrimidinylthio (N-B-hydroxyethyl)acetamide, and di-(2-ethylhexyl)phthalate. Perera MI, et al. **Carcinogenesis** 1984 Sep;5(9):1193–8

Effects of clofibrate, bezafibrate, fenofibrate and probucol on plasma lipolytic enzymes in normolipaemic subjects. Heller F, et al. **Eur J Clin Pharmacol** 1983;25(1):57–63

Quantitative microscopy comparison of peroxisome proliferation by the lipid-regulating agent gemfibrozil in several species. Gray RH, et al. **Hepatology** 1984 May–Jun; 4(3):520–30

Comparative study of four hypolipidaemic agents on the activity of drug-metabolizing enzymes in rat liver microsomes. Fournel S, et al. **Int J Clin Pharmacol Res** 1983;3(6):431–6

Effect of D-glucitol-hexanicotinate on platelet aggregability in patients with coronary heart disease. Sommariva D, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 May;22(5):265–8

Induction and origin of hepatocytes in rat pancreas. Reddy JK, et al. **J Cell Biol** 1984 Jun;98(6):2082–90

Lipids and cholesterol esterifying enzyme changes by Anna Pavala Sindhooram therapy in experimental rat hyperlipaemia. Shanmugasundaram KR, et al. **J Ethnopharmacol** 1983 Jul;8(1):35–52

Plasma cholesterol and lipoprotein lowering effect of Anna Pavala Sindhooram. Shanmugasundaram KR, et al. **J Ethnopharmacol** 1983 Jul;8(1):19–34

Hypolipidemic activity of tetrakis-mu-(trimethylamine-boranecarboxylato)-bis(trime e- carboxyborane)-dicopper(II) in rodents and its effect on lipid metabolism. Hall IH, et al. **J Pharm Sci** 1984 Jul; 73(7):973–7

Hypolipidemic activity of 3-N-(1',8'-Naphthalimido)propionic acid in rodents. Hall IH, et al. **J Pharm Sci** 1984 Jul;73(7):956–61

Utilization of glucose and palmitate during adipose conversion of ob17 cells. Modulation by hypolipidemic drugs. Ghis MP, et al. **J Pharmacol** 1984 Jan–Mar; 15(1):17–25

Plasma and lipoprotein lipid responses to four hypolipid drugs. Hazzard WR, et al. **Lipids** 1984 Feb;19(2):73–9

Favorable effects of the lipid-lowering and platelet antiaggregant Plafibride on the aging process of mice of the C57bl/6J strain. Calatayud JM. **Methods Find Exp Clin Pharmacol** 1983 Dec;5(10):707–14

Effect of the compound 'chloridarol' on plasma lipids and apolipoprotein levels. Avogaro P, et al. **Pharmacol Res Commun** 1983 Jul;15(7):655–60

The effect of hypolipidaemic agents on peroxisomal beta-oxidation and mixed-function oxidase activities in primary cultures of rat hepatocytes. Relationship between induction of palmitoyl-CoA oxidation and lauric acid hydroxylation. Lake BG, et al. **Xenobiotica** 1984 Mar; 14(3):269–76

[Comparative biochemical and ultrastructural study of the hepatic response induced in the rat by 2 hypolipemic agents: clofibrate and itanoxone] Gendre PM, et al. **J Pharmacol** 1984 Apr–Jun;15(2):209–22 (Eng. Abstr.) **(Fre)**

[Chemistry and mechanisms of action of lipid-lowering agents] Oelschläger H. **Pharm Acta Helv** 1984;59(3):66–76 (Eng. Abstr.) **(Ger)**

[Studies on an anti-atherosclerotic drug, 4-(cis-p-menthan-8-yloxy) benzanilide (YM-95831)] Ohata I. **Nippon Ika Daigaku Zasshi** 1984 Jun;51(3):302–16 (Eng. Abstr.) **(Jpn)**

[Anti-hyperlipidemic effect of iodine eggs: studies on the mechanism of its action] Kaji K, et al. **Nippon Yakurigaku Zasshi** 1984 May;83(5):451–7 (Eng. Abstr.) **(Jpn)**

[Hypolipidemic activity of glycine and its derivatives] Ryzhenkov VE, et al. **Vopr Med Khim** 1984 Mar–Apr; 30(2):78–80 (Eng. Abstr.) **(Rus)**

[Clinical pharmacology of antilipemic agents] Cuena Boy R, et al. **Rev Med Univ Navarra** 1983 Mar;27(1):25–8 **(Spa)**

THERAPEUTIC USE

Influence of beclobrate on gallstone formation in hamsters. Kritchevsky D, et al. **Arzneimittelforsch** 1983;33(10):1471–2

Controlled evaluation of pantethine, a natural hypolipidemic compound, in patients with different forms of hyperlipoproteinemia. Gaddi A, et al. **Atherosclerosis** 1984 Jan;50(1):73–83

Drug therapy for hyperlipidemia. Franklin FAJr, et al. **Cardiovasc Clin** 1984;14(3):265–84

Hyperlipidemia: reducing the chances of cardiovascular disease. Nash DT. **Geriatrics** 1984 Jul;39(7):99–100, 103–4,108–9 passim

A double-blind evaluation of evening primrose oil as an antiobesity agent. Haslett C, et al. **Int J Obes** 1983; 7(6):549–53

Influence of gemfibrozil and clofibrate on metabolism of cholesterol and plasma triglycerides in man. Kesäniemi YA, et al. **JAMA** 1984 May 4;251(17):2241–6

Hypolipemic profile of plafibride in a model of experimental atherosclerosis. Badimón JJ, et al. **Methods Find Exp Clin Pharmacol** 1983 Nov;5(9):613–7

Antithrombotic activity of a glycosaminoglycan (sulodexide) in rats. Andriuoli G, et al. **Thromb Res** 1984 Apr 1; 34(1):81–6

[Studies on the Chinese drugs capable of reducing blood lipids] Peng Y. **Chung Yao Tung Pao** 1983 Jan;8(1):41–4 **(Chi)**

[Atherosclerosis treatment with etofibrate retard. New perspectives] Degenring FH, et al. **Fortschr Med** 1983 Aug 11;101(30):1391–6 (Eng. Abstr.) **(Ger)**

[Modification of serum uric acid concentration under long-term therapy with the lipid-regulating drug Duolip] Scherhag R. **Fortschr Med** 1983 Sep 22;101(36):1635–7 (Eng. Abstr.) **(Ger)**

[The effect of fenofibrate on the lipid level in diabetic patients] Häring HU, et al. **MMW** 1983 Sep 2;125(35):751–3 (Eng. Abstr.) **(Ger)**

[Study of the antilipemic effect of etofibrate (Lipo-Merz)] Słowińska R, et al. **Pol Tyg Lek** 1983 Apr 25;38(17):529–32 (Eng. Abstr.) **(Pol)**

[Treatment of atherosclerosis with hypolipidemic and antiuricemic agents] Plastinina RA, et al. **Sov Med** 1984; (1):83–7 **(Rus)**

[Plafibride treatment of hyperlipidemias type II and IV] Soler J, et al. **Med Clin (Barc)** 1984 May 19;82(19):840–2 (Eng. Abstr.) **(Spa)**

TOXICITY

Effects of benfluorex and fenofibrate treatment on mitochondrial and peroxisomal marker enzymes in rat liver. Van Veldhoven P, et al. **Biochem Pharmacol** 1984 Apr 1; 33(7):1153–5

Inhibitory effect of antioxidants ethoxyquin and 2(3)-tert-butyl-4-hydroxyanisole on hepatic tumorigenesis in rats fed ciprofibrate, a peroxisome proliferator. Rao MS, et al. **Cancer Res** 1984 Mar;44(3):1072–6

Carcinogenesis by hepatic peroxisome proliferators: evaluation of the risk of hypolipidemic drugs and industrial plasticizers to humans. Reddy JK, et al. **CRC Crit Rev Toxicol** 1983;12(1):1–58 (220 ref.)

Teratogenic action of hypolipidemic agents: an in vitro study with postimplantation rat embryos. Steele CE, et al. **Teratology** 1983 Oct;28(2):229–36

Cetaben versus clofibrate: comparison of toxicity and peroxisome proliferation in rats. Fort FL, et al. **Toxicology** 1983 Nov;28(4):305–11

[Histological and ultramicroscopic study of the liver and pancreas of rats under protracted treatment with tiadenol] Ceruso D, et al. **G Clin Med** 1984 Jan;65(1):41–56 (Eng. Abstr.) **(Ita)**

ANTILYMPHOBLAST GLOBULINS see **ANTILYMPHOCYTE SERUM**

ANTILYMPHOCYTE ANTIBODIES see **ANTILYMPHOCYTE SERUM**

ANTILYMPHOCYTE GLOBULIN see **ANTILYMPHOCYTE SERUM**

ANTILYMPHOCYTE SERUM

Preincubation of donor bone marrow cells with a combination of murine monoclonal anti-T-cell antibodies without complement does not prevent graft-versus-host disease after allogeneic marrow transplantation. Martin PJ, et al. **J Clin Immunol** 1984 Jan;4(1):18–22

Lymphocyte-reactive antibodies and spontaneous abortion [letter] Johnson PM, et al. **Lancet** 1983 Dec 3; 2(8362):1304–5

Pretransplant antibodies and renal allograft survival. MacLeod AM, et al. **Proc Eur Dial Transplant Assoc** 1983; 20:305–8

The specificity of nephritogenic antibodies. II. Immune complex glomerulopathy in rats induced by heterologous antithymocyte serum. Bagchus WM, et al. **Transplantation** 1984 Aug;38(2):165–9

Effect of antilymphoblast globulin on Coombs' reactions. Jarrell B, et al. **Transplantation** 1984 Jun;37(6):621–3

An apparent paradoxical effect of pretransplant blood transfusions. Its association with decreased anti-HLA antibody formation following unsuccessful renal transplantation. Lobo PI. **Transplantation** 1984 Jun; 37(6):562–4

[Study of immune reactivity using the leukocyte adherence inhibition test and determination of cold lymphocytotoxic antibodies in patients with multiple sclerosis] Mayer M, et al. **Cas Lek Cesk** 1983 Aug 19;122(32–33):1014–7 (Eng. Abstr.) **(Cze)**

ADMINISTRATION & DOSAGE

Positive direct antiglobulin tests with antilymphocyte globulin. Lapinid IM, et al. **Am J Clin Pathol** 1984 Apr; 81(4):514–7

Comparison of kidney transplant survival between patients treated with cyclosporine and those treated with azathioprine and antithymocyte globulin. Cho SI, et al. **Am J Surg** 1984 Apr;147(4):518–23

Antithoracic duct lymphocyte globulin [letter] O'Reilly RJ, et al. **Blood** 19b3 Dec;62(6):1304

Improved results of cadaver renal transplantation with azathioprine, prednisone and antilymphoblast globulin. Novick AC, et al. **J Urol** 1984 Apr;131(4):636–40

Effects of antithymocyte serum on cardiac allograft survival in thymectomized-splenectomized rats. Racelis D, et al. **Mt Sinai J Med (NY)** 1984 Jun;51(3):262–7

Improved graft prognosis by treatment of steroid resistant rejections with ATG and plasmapheresis. Fassbinder W, et al. **Proc Eur Dial Transplant Assoc** 1983;20:362–7

Red cell sensitization due to anti-D in anti-lymphocyte globulin. Shirey RS, et al. **Transfusion** 1983 Sep–Oct; 23(5):396–7

Resolution of red cell compatibility testing problems in patients receiving anti-lymphoblast or anti-thymocyte globulin. Swanson JL, et al. **Transfusion** 1984 Mar–Apr;

24(2):141-3

[Correction of secondary immunodeficiency with antilymphocyte sera and gamma globulins] Antonenko VT, et al. **Vrach Delo** 1983 Sep;(9):72-5 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Renal biopsy morphology in renal transplantation. A comparative study of the light-microscopic appearances of biopsies from patients treated with cyclosporin A or azathioprine prednisone and antilymphocyte globulin. Farnsworth A, et al. **Am J Surg Pathol** 1984 Apr; 8(4):243-52

Factors influencing platelet survival during antilymphocyte globulin treatment. Gratama JW, et al. **Br J Haematol** 1984 May;57(1):5-15

[The effect of antilymphocyte globulin on pregnancy. Experimental results] Welter H, et al. **Fortschr Med** 1983 Sep 15;101(35):1572-5 **(Ger)**

ANALYSIS

Plasmapheresis increases T4 lymphocytes in a patient with AIDS. Tomar RH, et al. **Am J Clin Pathol** 1984 Apr; 81(4):518-21

A study of lymphocytotoxins in families of patients with systemic lupus erythematosus. Hazelton RA. **Ann Rheum Dis** 1984 Apr;43(2):136-9

Antilymphocytic antibodies in mixed connective tissue disease [letter] Diaz-Jouanen E, et al. **Arthritis Rheum** 1983 Dec;26(12):1535

Renal graft dysfunction during infection with cytomegalovirus: association with IgM lymphocytotoxins and HLA-DR3 and DR7. Baldwin WM 3d, et al. **Br Med J [Clin Res]** 1983 Nov 5;287(6402):1332-4

Anti-lymphocyte antibodies in lethal mouse malaria. II. Induction of an autoantibody specific suppressor T cell by non-lethal P. yoelii. de Souza JB, et al. **Clin Exp Immunol** 1983 Oct;54(1):110-6

Anti-lymphocyte autoantibodies in lethal mouse malaria and their absence in an irradiation-induced non-lethal variant. Waki S, et al. **Clin Exp Immunol** 1984 Jan;55(1):245-6

New Thy-1- and H-2-congenic strains of mice and their application in studies on the mechanism of anti-Thy-1.1 response. Reichner JS, et al. **Immunol Commun** 1983 Oct; 12(5):501-8

Detection of antibodies to thymic tissue in human serum. Singh VK, et al. **Immunol Lett** 1984;7(5):249-52

Lymphocyte-reactive antibodies in acquired immune deficiency syndrome. Williams RC Jr, et al. **J Clin Immunol** 1984 Mar;4(2):118-23

Biological activity of lymphocytotoxic antibodies in Graves' disease and Hashimoto's thyroiditis. Pruzanski W, et al. **J Endocrinol Invest** 1984 Feb;7(1):7-13

Anti-idiotypic antibodies to HLA-DR4 and DR2. Reed E, et al. **J Immunol** 1983 Dec;131(6):2890-4

Quantitation of cytotoxic rat antibodies by post-assay labeling of mitogen-induced target blasts with [3H]thymidine. Martinelli GP, et al. **J Immunol Methods** 1984 Feb 24;67(1):53-61

The Ir-Thy-1 concept: facts and interpretation. Zaleski MB, et al. **Surv Immunol Res** 1982;1(1):76-84 (25 ref.)

Effect of anti-coagulants on cold-reactive anti-lymphocyte activity in the blood of patients with malaria. Gilbreath MJ, et al. **Trans R Soc Trop Med Hyg** 1983;77(4):546-7

HLA antibody screening [letter] Deans JP, et al. **Transfusion** 1984 Jan-Feb;24(1):84-5

Cold-reactive alloantibodies and allograft malfunction occurring immediately posttransplant. Lobo PI, et al. **Transplantation** 1984 Jan;37(1):76-81

Lack of clinical significance, in renal transplantation, of a sensitive lymphocyte crossmatch procedure. Rabin BS, et al. **Transplantation** 1984 Jun;37(6):616-7

Cadaver renal transplantation ignoring peak-reactive sera in patients with markedly decreasing pretransplant sensitization. Sanfilippo F, et al. **Transplantation** 1984 Aug; 38(2):119-24

Cold lymphocytotoxic antibodies in systemic lupus erythematosus. Derksen RH, et al. **Vox Sang** 1984; 46(6):366-76

[Renal transplantation and anti-B lymphocyte antibodies. II. Relation between acute rejection and development of B lymphocyte cytotoxic antibodies following transplantation] Kinukawa T, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Jul;74(7):1179-85 (Eng. Abstr.) **(Jpn)**

[Studies of anti-lymphocyte antibodies, with special reference to anti-B cell antibodies in choriocarcinoma] Kajino T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1983 Dec; 35(12):2267-73 (Eng. Abstr.) **(Jpn)**

[Immunologic indicators in threatened abortion] Shcherbakova VV, et al. **Akush Ginekol (Mosk)** 1983 Dec; (12):29-31 (Eng. Abstr.) **(Rus)**

[Lymphocytotoxic and antibrain antibodies in patients with systemic lupus erythematosus with nervous system involvement] Folomeeva OM, et al. **Ter Arkh** 1983; 55(7):28-32 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Successful removal and prevention of resynthesis of anti-HLA antibody. Taube DH, et al. **Transplantation** 1984 Mar;37(3):254-5

GENETICS

A study of lymphocytotoxins in the sera of families of patients with rheumatoid disease. Hazelton RA. **Arthritis Rheum** 1984 Feb;27(2):233-6

IMMUNOLOGY

Occurrence and characterization of different types of cytotoxic antibodies in pregnant women in relation to parity and gestational age. Koenig UD, et al. **Am J Obstet Gynecol** 1983 Nov 15;147(6):671-5

Synergistic effects of ATS and passive and active enhancement on heart and skin allografts in rats. Rowiński WA, et al. **Arch Immunol Ther Exp (Warsz)** 1983; 31(6):809-17

Antithymocyte globulin reacts with many normal human cell types. Greco B, et al. **Blood** 1983 Nov;62(5):1047-54

Suppression of PHA-induced human T-lymphocyte colony formation following in vivo administration of anti-lymphocyte globulin. Report of one case. Ghio R, et al. **Blut** 1983 Dec;47(6):351-4

Lymphocytotoxic antibodies in the acquired immune deficiency syndrome (AIDS). Kloster BE, et al. **Clin Immunol Immunopathol** 1984 Feb;30(2):330-5

The induction of tolerance to and the definition of the pharmacokinetics of chicken anti-rat lymphocyte globulin. Morris RE. **Curr Surg** 1983 Nov-Dec;40(6):448-51

Relation between reduced electrophoretic mobility of human lymphocytes and the inhibition of spreading of human monocytes caused by the same anti-human lymphocyte globulin. Knippel E, et al. **Folia Haematol (Leipz)** 1983; 110(3):413-6

An anti-lymphocyte monoclonal antibody (HB8) which cross reacts with human dermal elastic fibers. Brochier J, et al. **Immunol Lett** 1984;7(5):279-83

Mechanism of cell-mediated cytotoxicity at the single cell level. VI. Direct assessment of the cytotoxic potential of human peripheral blood non-lytic effector-target cell conjugates. Bonavida B, et al. **J Immunol** 1984 Feb; 132(2):594-8

Biologic properties of interleukin 3. II. Serologic comparison of 20-alpha-SDH-inducing activity, colony-stimulating activity, and WEHI-3 growth factor activity by using an antiserum against IL 3. Bowlin TL, et al. **J Immunol** 1984 Oct;133(4):2001-6

Cellular mechanism of primary anti-Thy-1 antibody responses in vitro induced by uniquely immunogenic thymocyte antigens. Isobe KI, et al. **J Immunol** 1984 Mar; 132(3):1100-5

Regulation of TCGF production in T cells. II. Early membrane events after anti-Thy-1 binding by the TCGF-producing T lymphoma EL-4 G-12. Norcross MA, et al. **J Immunol** 1984 Feb;132(2):833-8

Successful renal transplantation after transient warm B cell antibody to donor-specific transfusions. Bow LM, et al. **Transplantation** 1984 Jun;37(6):618-9

Specific unresponsiveness to fully allogeneic kidney allografts in rats induced by procarbazine hydrochloride and antilymphocyte serum. Al Mahdi N, et al. **Transplantation** 1983 Nov;36(5):480-5

Assessment of the risk for broad sensitization by blood transfusions. Scornik JC, et al. **Transplantation** 1984 Mar; 37(3):249-53

A monoclonal antibody detecting a new human T cell antigen, HuLy-m2. Thurlow PJ, et al. **Transplantation** 1984 Aug;38(2):143-7

Fetal immunization against the mother's lymphocytes. A report of two cases. Werneburg B, et al. **Vox Sang** 1984; 46(2):107-10

[Study on the classification of leukemia with several anti-lymphocyte sera] Lan JC. **Chung Hua Nei Ko Tsa Chih** 1983 May;22(5):297-9 (Eng. Abstr.) **(Chi)**

[Lymphocytotoxic antibodies in malaria] Dellamonica P, et al. **Bull Soc Pathol Exot Filiales** 1983 Dec;76(5 Pt 2):785-92 (Eng. Abstr.) **(Fre)**

[Therapeutic use of monoclonal antilymphocyte antibodies] Bach JF, et al. **Presse Med** 1983 Nov 17;12(41):2615-8 **(Fre)**

[Immunologic surveillance of cardiac transplant recipients treated with rabbit antilymphocyte globulins (letter)] Gluckman JC, et al. **Presse Med** 1983 Nov 17;12(41):2636 **(Fre)**

[Human lymphocyte surface antigens. Part 2. Production and characterization of heteroantiserum against a B-cell acute lymphoblastic leukemia cell line] Yoshimoto S. **Nippon Ketsueki Gakkai Zasshi** 1984 May;47(3):737-43 (Eng. Abstr.) **(Jpn)**

[Blast cell testing in acute leukemia in children using an antiserum to human thymocytes] Kisliak NS, et al. **Gematol Transfuziol** 1984 Feb;29(2):12-5 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Affinity-purified antigen-specific products produced by T cells share epitopes recognized by heterologous antisera raised against several different antigen-specific products from T cells. Cone RE, et al. **Cell Immunol** 1983 Dec; 82(2):232-45

Immunosuppressive serum factors in viral hepatitis. II. Further characterization of serum inhibition factor as an albumin-associated molecule. Brattig NW, et al. **Hepatology** 1983 Sep-Oct;3(5):647-55

[Antilymphocyte antibodies in the sera of children with juvenile rheumatoid arthritis and rheumatic fever] Prusek W, et al. **Pol Tyg Lek** 1984 Jan 9;39(2):41-6 (Eng. Abstr.) **(Pol)**

PHARMACODYNAMICS

Influence of 90Sr, adult thymectomy and antilymphocyte globulin on T-cells in mouse peripheral blood. Bierke P, et al. **Acta Radiol [Oncol]** 1984;23(1):61-4

Action of antithymocyte serum on Junin virus infection in rats. Blejer JL, et al. **Acta Virol (Praha)** 1983 Nov; 27(6):484-9

Administration of antithymocyte serum to syphilitic rabbits inhibits development of resistance to reinfection with Treponema pallidum. Smogór W, et al. **Arch Immunol Ther Exp (Warsz)** 1984;32(1):37-42

Flare-up of antigen-induced arthritis in mice after challenge with intravenous antigen: effects of pre-treatment with cobra venom factor and anti-lymphocyte serum. Lens JW, et al. **Clin Exp Immunol** 1984 Sep;57(3):520-8

Prolongation of skin allograft survival in ATS-treated mice by post-transplant injections of species antigenic extracts. Chutná J, et al. **Folia Biol (Praha)** 1984;30(2):109-22

Induction of long-term heart allograft survival in the rat by rabbit ATG. Mjörnstedt L, et al. **Int Arch Allergy Appl Immunol** 1984;74(3):193-9

Suppressor cells in antithymocyte globulin-induced transplantation tolerance in the adult rat. Olausson M, et al. **Int Arch Allergy Appl Immunol** 1984;75(2):184-7

T cell-activating properties of an anti-Thy-1 monoclonal antibody. Possible analogy to OKT3/Leu-4. Gunter KC, et al. **J Exp Med** 1984 Mar 1;159(3):716-30

Inhibition of T cell responses to alloantigens and polyclonal mitogens by Ly-5 antisera. Harp JA, et al. **J Immunol** 1984 Jul;133(1):10-5

Immunoselection of B cell hybridomas with anti-idiotypic antisera to study the role of heavy and light chains for idiotype expression and antibody activity. Ju ST, et al. **J Immunol** 1984 May;132(5):2485-90

Islet transplantation--synergism between antilymphocyte and antimacrophage agents. Nash JR, et al. **J Surg Res** 1984 Feb;36(2):154-7

Preparation and clinical utility of antihuman lymphocyte microsome gamma-globulin. Konomi K, et al. **Jpn J Surg** 1984 May;14(3):222-8

Anti-thymocyte serum and bone marrow transplantation. II. Specificity and immunosuppressive activity. Kodo H, et al. **Nippon Ketsueki Gakkai Zasshi** 1983 Jul;46(4):852-8

HLA-DRW6 and treatment of acute rejection with antithymocyte globulin. Hoitsma AJ, et al. **Transplantation** 1984 Jul;38(1):25-8

[Effect of antithymocyte serum on growth and metastasis of murine tumor] Yu JG. **Chung Hua Chung Liu Tsa Chih** 1984 Jan;6(1):12-4 (Eng. Abstr.) **(Chi)**

PHYSIOLOGY

Characteristics of a spontaneous monoclonal thymocytotoxic antibody from New Zealand Black mice: recognition of a specific NTA determinant. Bray KR, et al. **J Immunol** 1984 Sep;133(3):1318-24

Further characterization of IgM antibodies against maternal alloreactive T cells produced by cloned Epstein Barr virus-transformed cord B cells. Miyagawa Y. **J Immunol** 1984 Sep;133(3):1270-7

Increase in the complement-fixing ability of murine IgG anti-lymphocyte antibodies by addition of monoclonal IgM rheumatoid factors. Carson DA. **J Immunol Methods** 1984 Mar 30;68(1-2):103-8

THERAPEUTIC USE

Bone marrow graft versus ALG in patients with aplastic anaemia. Speck B, et al. **Biomed Pharmacother** 1983; 37(3):139-43

Therapy of severe aplastic anemia with anti-human thymocyte globulin and androgens: the effect of HLA-haploidentical marrow infusion. Doney K, et al. **Blood** 1984 Feb;63(2):342-8

Is antilymphocytic globulin a better immunosuppressant than cyclophosphamide for pure red cell aplasia? [letter] Marmont A. **Br J Haematol** 1984 Apr;56(4):680-2

Serial monitoring of T-cell subset ratios with monoclonal antibodies in steroid- and antithymocyte globulin-treated patients with renal allotransplants. Lewis RE Jr, et al. **Clin Immunol Immunopathol** 1984 May;31(2):241-53

Antilymphocyte globulin for the treatment of steroid non-responsive acute renal allograft rejection. Griffin PJ, et al. **Clin Nephrol** 1984 Feb;21(2):115-7

Complete remission of severe aplastic anaemia following treatment with anti-thymocyte globulin. Griffin M, et al. **Ir J Med Sci** 1983 Aug;152(8):313-5

Induction of specific unresponsiveness to heart allografts in mongrel dogs treated with total lymphoid irradiation and antithymocyte globulin. Strober S, et al. **J Immunol** 1984 Feb;132(2):1013-8

A controlled prospective trial of antithoracic duct lymphocyte globulin (ATDLG) for treatment of severe aplastic anemia. Camitta BM. **Prog Clin Biol Res** 1984; 148:239-47

Treatment of aplastic anemia: results with bone marrow

transplantation, antithymocyte globulin, and a monoclonal anti-T cell antibody. Champlin R, et al. **Prog Clin Biol Res** 1984;148:227-38

Immunosuppressive therapy of severe aplastic anemia. Doney KC, et al. **Prog Clin Biol Res** 1984;148:259-70

Treatment of severe aplastic anemia with high-dose methylprednisolone and antilymphocyte globulin. Marmont AM, et al. **Prog Clin Biol Res** 1984;148:271-87

Treatment of severe aplastic anemia: a prospective study of antilymphocyte globulin versus bone marrow transplantation. Speck B, et al. **Prog Clin Biol Res** 1984; 148:249-58

Antithymocyte and antilymphocyte globulins: clinical trials and mechanism of action. Young N, et al. **Prog Clin Biol Res** 1984;148:221-6

Experience with 130 consecutive renal transplants in the Middle East with special reference to histocompatibility matching, antirejection therapy with antilymphocyte globulin (ALG), and prolonged preservation of imported cadaveric grafts. Abouna GM, et al. **Transplant Proc** 1984 Aug;16(4):1114-7

Rejection episodes and lymphocyte responses in patients treated with rabbit antithymocyte sera. Cardella CJ, et al. **Transplant Proc** 1984 Aug;16(4):1089-92

Antithymocyte globulin therapy after renal transplantation at the Massachusetts General Hospital. Delmonico FL. **Transplant Proc** 1984 Aug;16(4):979-82

Improving results in primary diabetic renal transplantation. Zincke H, et al. **Transplant Proc** 1984 Jun;16(3):617-20

Nonsteroid antiinflammatory agents as a substitute treatment for steroids in ATGAM-treated cadaver kidney recipients. Kreis H, et al. **Transplantation** 1984 Feb;37(2):139-45

Antithymocyte globulin as the primary treatment for renal allograft rejection. Nelson PW, et al. **Transplantation** 1983 Nov;36(5):587-9

The effect of timing of multiple donor-specific or nonspecific blood transfusions on skin allograft survival in ALS-treated mice. Wood ML, et al. **Transplantation** 1983 Oct; 36(4):388-91

[Immunosuppressive treatment of severe aplastic anemia with high-dose methylprednisolone and antithymocyte globulin in 2 patients] Urban C, et al. **Wien Klin Wochenschr** 1984 Mar 16;96(6):225-30 (Eng. Abstr.) **(Ger)**

[Acquired aplastic anemia in children. Therapy using androgens and antilymphocyte gamma globulin] Vilalta R, et al. **An Esp Pediatr** 1984 Feb 15;20(2):91-9 (Eng. Abstr.) **(Spa)**

ANTIMALARIALS

Comparison of in vitro and in vivo antimalarial activities of 9-phenanthrenecarbinols. Childs GE, et al. **Ann Trop Med Parasitol** 1984 Feb;78(1):13-20

Antimalarial activity of bruceantin in vitro. Guru PY, et al. **Ann Trop Med Parasitol** 1983 Aug;77(4):433-5

Relationships between chemical structures of 8-aminoquinolines and their capacities for radical cure of infections with Plasmodium cynomolgi in rhesus monkeys. Schmidt LH. **Antimicrob Agents Chemother** 1983 Nov; 24(5):615-52

A double-blind comparative clinical trial of mefloquine and chloroquine in symptomatic falciparum malaria. Kofi Ekue JM, et al. **Bull WHO** 1983;61(4):713-8

Inhibition of the growth of Plasmodium falciparum in vitro by covalent modification of hemoglobin. Geary TG, et al. **Mol Biochem Parasitol** 1983 Sep;9(1):59-72

Photoreactivity of phototoxic antimalarial compounds. Epling GA, et al. **Photochem Photobiol** 1984 Apr; 39(4):469-76

ADMINISTRATION & DOSAGE

Mass drug administration for control of malaria [letter] Foll C. **Lancet** 1983 Oct 29;2(8357):1022

Chemoprophylaxis of malaria in non-immune residents in Dar es Salaam, Tanzania. McLarty DG, et al. **Lancet** 1984 Sep 22;2(8404):656-9

Malaria 1984. Part I. Malaria prophylaxis. Spracklen FH. **S Afr Med J** 1984 Jun 30;65(26):1037-41 (13 ref.)

Clinical management of acute falciparum malaria in Tanzania. Swai AB, et al. **Trop Doct** 1983 Oct;13(4):159-63

[Drug prevention of malaria] van Soest AM. **ZFA (Stuttgart)** 1983 Sep 20;59(26):1411-3 **(Ger)**

[New Scandinavian recommendations on malaria prevention for travellers to Eastern Africa] Stenbeck JL. **Nord Med** 1984;99(5):146-7 (Eng. Abstr.) **(Swe)**

ADVERSE EFFECTS

'Black spots' in Papua New Guinea Defence Force personnel: report of 12 cases. Talwat EN. **Australas J Dermatol** 1983 Aug;24(2):69-70

Agranulocytosis associated with Maloprim [letter] Bruce-Chwatt LJ, et al. **Br Med J [Clin Res]** 1984 Jan 7;288(6410):65-6

Unusual pulmonary reaction during short term prophylaxis with pyrimethamine-sulfadoxine (Fansidar). Svanbom M, et al. **Br Med J [Clin Res]** 1984 Jun 23;288(6434):1876

Maloprim and agranulocytosis [letter] Bruce-Chwatt LJ, et al. **Lancet** 1983 Dec 24-31;2(8365-66):1487-8

Agranulocytosis during malaria prophylaxis with Maloprim (pyrimethamine and dapsone). Booth F, et al. **Postgrad Med J** 1984 Aug;60(706):566-7

[Stevens-Johnson syndrome and granulopenia induced by sulfadoxine-pyrimethamine (Fansidar)] Ligthelm RJ, et al. **Ned Tijdschr Geneeskd** 1983 Sep 17;127(38):1735-7 (Eng. Abstr.) **(Dut)**

[Guillain-Barré syndrome associated with Fansidar intake] Lorentzon B. **Lakartidningen** 1984 Aug 22;81(34):2919 **(Swe)**

ANALYSIS

[Cellular location of qinghaosu, qinghaosu I and qinghaosu II] Chen FT. **Chung Yao Tung Pao** 1984 Jan;9(1):6-7 **(Chi)**

BLOOD

On the mechanism for the red-cell accumulation of mefloquine, an antimalarial drug. San George RC, et al. **Biochim Biophys Acta** 1984 Mar 23;803(3):174-81

Quantification of antimalarial drugs. I. Simultaneous measurement of sulphadoxine, N4-acetylsulphadoxine and pyrimethamine in human plasma. Edstein M. **J Chromatogr** 1984 Feb 10;305(2):502-7

High-performance liquid chromatographic assay of pyrimethamine, sulfadoxine and its N4-acetyl metabolite in serum and urine after ingestion of Suldox. Midskov C. **J Chromatogr** 1984 Jun 8;308:217-27

[Pharmacokinetics of the new antimalarial preparation dabequin studied in monkeys] Lur'e AA, et al. **Med Parazitol (Mosk)** 1983 Jul-Aug;(4):23-9 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

Synthesis and biological activity of some di(nitrothienyl)- and di(acetylaminothienyl)sulfones. Ronsisvalle G, et al. **Farmaco [Sci]** 1983 Nov;38(11):877-83

Folate antagonists. 20. Synthesis and antitumor and antimalarial properties of trimetrexate and related 6-[(phenylamino)methyl]-2,4-quinazolinediamines. Elslager EF, et al. **J Med Chem** 1983 Dec;26(12):1753-60

2-Acetylpyridine thiosemicarbazones. 8. Derivatives of 1-acetylisoquinoline as potential antimalarial agents. Klayman DL, et al. **J Med Chem** 1984 Jan;27(1):84-7

2-Acetylpyridine thiosemicarbazones. 9. Derivatives of 2-acetylpyridine 1-oxide as potential antimalarial agents. Scovill JP, et al. **J Med Chem** 1984 Jan;27(1):87-91

[Studies on new antimalarials, synthesis of derivatives of benzo(g)quinoline with double Mannich bases of aminophenol] Chen C, et al. **Yao Hsueh Hsueh Pao** 1983 Dec;18(12):965-8 (Eng. Abstr.) **(Chi)**

[Progress in pharmaceutical chemistry of antimalarial agents in the last 2 decades] Huang LS. **Yao Hsueh Hsueh Pao** 1983 Aug;18(8):633-9 **(Chi)**

[Progress in the pharmaceutical chemistry of antimalarial agents during the last 2 decades] Huang LS. **Yao Hsueh Hsueh Pao** 1983 Jul;18(7):553-60 **(Chi)**

[Studies on antimalarials. VII. Synthesis of alpha-(alkylaminomethyl)-2-phenyl-4-quinazoline-metha Yao WL, et al. **Yao Hsueh Hsueh Pao** 1984 Jan;19(1):76-8 (Eng. Abstr.) **(Chi)**

[Studies on antimalarials. III. Synthesis of 2-(substituted styryl)-4-amino pyridines] Zhang ZX, et al. **Yao Hsueh Hsueh Pao** 1983 Apr;18(4):261-5 (Eng. Abstr.) **(Chi)**

[Studies on antimalarials. X. Synthesis and antimalarial activity of derivatives of 2,4-diamino-6-N1,N2-disubstituted hydrazinoquinazoline] Zheng KQ, et al. **Yao Hsueh Hsueh Pao** 1983 Sep; 18(9):673-7 (Eng. Abstr.) **(Chi)**

[Studies on antimalarials. IX. Synthesis and antimalarial activity of 2,4-diamino-6-(N-(substituted benzyl)-N-(substituted aminomethyl)-amino) quinazolines] Zheng KQ. **Yao Hsueh Hsueh Pao** 1983 May;18(5):384-7 (Eng. Abstr.) **(Chi)**

METABOLISM

Drug metabolism and tropical disease. Breckenridge A, et al. **Biochem Soc Trans** 1984 Feb;12(1):90-5

Chloroquine phosphate and the intestinal transport of estrogens. Martins OO, et al. **Toxicol Lett** 1984 Aug; 22(2):181-6

Uptake of [3H] dihydroartemisinine by erythrocytes infected with Plasmodium falciparum in vitro. Gu HM, et al. **Trans R Soc Trop Med Hyg** 1984;78(2):265-70

[Absorption, distribution and excretion of artemether in mice and rats] Jiang JR, et al. **Chung Kuo Yao Li Hsueh Pao** 1983 Sep;4(3):197-201 (Eng. Abstr.) **(Chi)**

[Isolation and identification of the metabolite of artemisinine in human] Zhu DY, et al. **Chung Kuo Yao Li Hsueh Pao** 1983 Sep;4(3):194-7 (Eng. Abstr.) **(Chi)**

PHARMACODYNAMICS

Effect of antimalarial drugs on human neutrophil chemotaxis in vitro. Kharazmi A, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1983 Aug; 91(4):293-8

Combination of the antibiotics erythromycin and tetracycline with three standard antimalarials against Plasmodium falciparum in vitro. Gershon PD, et al. **Ann Trop Med Parasitol** 1984 Feb;78(1):1-11

Phospholipid metabolism as a new target for malaria chemotherapy. Mechanism of action of D-2-amino-1-butanol. Vial HJ, et al. **Biochem Pharmacol** 1984 Sep 1;33(17):2761-70

Effect of membrane filtration of antimalarial drug solutions on in vitro activity against Plasmodium falciparum. Baird JK, et al. **Bull WHO** 1984;62(3):439-44

A note on micro in vitro technique for screening antimalarials using Plasmodium knowlesi. Sinha S, et al. **J Commun Dis** 1983 Jun;15(2):138-40

An in vitro assay system for the identification of potential antimalarial drugs. Geary TG, et al. **J Parasitol** 1983 Jun; 69(3):577-83

Effect of chloroquine and some other antimalarials on the immune mechanism in experimental animals. Bhattacharya SK, et al. **J Pharm Pharmacol** 1984 Apr;36(4):268-9

Effects of Qinghaosu and chloroquine on the ultrastructure of the erythrocytic stage of P. falciparum in continuous cultivation in vitro. Ye ZG, et al. **J Tradit Chin Med** 1983 Jun;3(2):95-102

Prolonged incubation improves the micro-scale in-vitro test for drug sensitivity of Plasmodium falciparum. Hoffman SL, et al. **Lancet** 1984 Jan 7;1(8367):7-9

Ferriprotoporphyrin IX: a mediator of the antimalarial action of oxidants and 4-aminoquinoline drugs. Fitch CD, et al. **Prog Clin Biol Res** 1984;155:119-30

Protease inhibitors and antimalarial effects. Scheibel LW, et al. **Prog Clin Biol Res** 1984;155:131-42

Effects of two methylthioadenosine analogues, SIBA and deaza-SIBA, on P. falciparum-infected red cells. Whaun JM, et al. **Prog Clin Biol Res** 1984;155:143-57

Effects of antimalarial drugs on human natural killer cell activity. Chaicumpa W, et al. **Southeast Asian J Trop Med Public Health** 1983 Sep; 14(3):413-9

The relationship between the in vitro response of Plasmodium falciparum to chloroquine, quinine and mefloquine. Knowles G, et al. **Trans R Soc Trop Med Hyg** 1984; 78(2):146-50

Effects of qinghaosu and related compounds on incorporation of [G-3H] hypoxanthine by Plasmodium falciparum in vitro. Li ZL, et al. **Trans R Soc Trop Med Hyg** 1983; 77(4):522-3

Drugs that affect hypnozoites of Plasmodium [letter] Peters W. **Trans R Soc Trop Med Hyg** 1983;77(5):742

Plasmodium falciparum-malaria: resistance to chloroquine, but sensitivity to mefloquine in the Gabon. A prospective in-vitro study. Burchard GD, et al. **Tropenmed Parasitol** 1984 Mar;35(1):1-4

[Effect of piperaquine and hydroxypiperaquine on a chloroquine-resistant strain of Plasmodium falciparum] Guan WB, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1983;1(2):88-90 (Eng. Abstr.) **(Chi)**

[Effect of pyronaridine and three other antimalarials on gametocytes and sporogony of Plasmodium yoelii] Shao BU, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1984;2(1):28-31 (Eng. Abstr.) **(Chi)**

[Antihistaminic action of piperaquine] Fu DY, et al. **Chung Kuo Yao Li Hsueh Pao** 1983 Dec;4(4):287-9 (Eng. Abstr.) **(Chi)**

POISONING

4-aminoquinolines can be dangerous to your health: chloroquine (Aralen) intoxication. Mack RB. **NC Med J** 1984 Apr;45(4):245-6

THERAPEUTIC USE

Antimalarial drugs for rheumatoid arthritis. Mackenzie AH. **Am J Med** 1983 Dec 30;75(6A):48-58

Malaria prophylaxis for long term visitors. **Br Med J [Clin Res]** 1983 Nov 12;287(6403):1454-5

Falciparum malaria resistant to chloroquine and fansidar: implications for prophylaxis. Herzog C, et al. **Br Med J [Clin Res]** 1983 Oct 1;287(6397):947-8

Current trends in malaria chemoprophylaxis and treatment. Peters W. **Bull Soc Pathol Exot Filiales** 1983 Nov; 76(5):446-54

A phase I clinical trial of mefloquine in Brazilian male subjects. de Souza JM. **Bull WHO** 1983;61(5):809-14

A phase II clinical trial of mefloquine in Brazilian male subjects. de Souza JM. **Bull WHO** 1983;61(5):815-20

The treatment of falciparum malaria. Ellis CJ, et al. **J Antimicrob Chemother** 1984 Apr;13(4):311-4

Chemotherapeutic regime in falciparum malaria. Gopinathan VP. **J Assoc Physicians India** 1984 Mar;32(3):241-3

A report on case of a P. vivax infection apparently refractory to antimalarials. Aggarwal VK, et al. **J Commun Dis** 1983 Dec;15(4):284-6

Malaria vaccination and chemotherapy: practical considerations for tropical countries. Adebiyi RF. **J R Soc Health** 1984 Aug;104(4):138-9

Chemotherapy of malaria in mouse and man [editorial] **Lancet** 1984 Feb 11;1(8372):318-20

Systemic lupus erythematosus IX: nonsteroidal anti-inflammatory drugs and antimalarial agents. Schmidt MC. **Md State Med J** 1984 Apr;33(4):296-8

Treatment failure of falciparum malaria with Fansidar in Tawau Sabah. January-June, 1982. Tan Heng Soon, et al. **Med J Malaysia** 1983 Sep;38(3):217-23

Treatment of falciparum malaria with a single dose combination of dapsone and pyrimethamine (Maloprim). Ponnampalam JT, et al. **Singapore Med J** 1983 Oct; 24(5):303–6

Inhibition of mitogenic lectin induced blast transformation in human peripheral blood mononuclear cells by mefloquine. Gilbreath MJ, et al. **Trans R Soc Trop Med Hyg** 1983;77(6):767–70

Fansidar resistant Plasmodium falciparum infection in Surinam. Oostburg BF, et al. **Trop Geogr Med** 1983 Sep; 35(3):243–7

[Advances in the research of new antimalarial, mefloquine, in the past ten years] Xue CL. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1983;1(3):187–90 (25 ref.) **(Chi)**

[7 antimalarials in the treatment of mice experimentally infected with pyronaridine-resistant Plasmodium berghei] Chen KY, et al. **Chung Kuo Yao Li Hsueh Pao** 1983 Dec; 4(4):269–73 (Eng. Abstr.) **(Chi)**

[Antimalarial activities of hydroxypiperaquine and its phosphate against Plasmodium berghei and Plasmodium cynomolgi] Li YT, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Mar;5(1):57–60 (Eng. Abstr.) **(Chi)**

[Biological characteristics of simian malaria model of Plasmodium cynomolgi-Anopheles stephensi system and its response to antimalarials] Dai ZR, et al. **Yao Hsueh Hsueh Pao** 1983 Dec;18(12):881–6 (Eng. Abstr.) **(Chi)**

[Treatment of imported malaria with mefloquine] Coulaud JP, et al. **Ann Soc Belg Med Trop** 1983 Sep;63(3):247–57 (Eng. Abstr.) **(Fre)**

[Results of an experiment on chemoprophylaxis of malaria using mefloquine in Cambodia (Cambodia–Thai border region)] Lapierre J, et al. **Bull Soc Pathol Exot Filiales** 1983 Aug–Oct;76(4):357–63 (Eng. Abstr.) **(Fre)**

[Mass chemoprophylaxis of malaria, its objectives, its limits, its difficulties] Roux J, et al. **Med Trop (Mars)** 1983 Jul–Aug;43(4):347–54 (Eng. Abstr.) **(Fre)**

[Results of a regional survey on the treatment of rhizomelic pseudopolyarthritis and temporal arteritis. Apropos of 242 cases treated by various modalities with synthetic antimalarials, corticoids and non-steroidal anti-inflammatory agents] David-Chaussé J, et al. **Rev Rhum Mal Osteoartic** 1983 Jul–Sep;50(8–9):563–71 (Eng. Abstr.) **(Fre)**

[Advances in the drug prevention of malaria] Fernex M. **Internist (Berlin)** 1984 Apr;25(4):208–15 **(Ger)**

[Antimalarial drugs in dermatology. Current situation and prospects] Gatti S, et al. **G Ital Dermatol Venereol** 1984 Mar–Apr;119(2):89–96 (Eng. Abstr.) **(Ita)**

TOXICITY

[Dominant lethal test with pyronaridine on male mice] Shao BR, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1983;1(2):121–3 (Eng. Abstr.) **(Chi)**

[Embryotoxicity and teratogenicity studies on artemether in mice, rats and rabbits] Chen LJ, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Jun;5(2):118–22 (Eng. Abstr.) **(Chi)**

[Effects of Qinghaosu (artemisinine) in oil on ultrastructure of the myocardium in rhesus monkeys] Wang DW, et al. **Chung Kuo Yao Li Hsueh Pao** 1983 Sep;4(3):191–4 (Eng. Abstr.) **(Chi)**

ANTIMETABOLITES

see related
ANTIMETABOLITES, ANTINEOPLASTIC

METABOLISM

Acivicin: a new glutamine antagonist in clinical trials. O'Dwyer PJ, et al. **J Clin Oncol** 1984 Sep;2(9):1064–71

PHARMACODYNAMICS

Rate of DNA synthesis in exponentially growing cell lines in the presence and absence of antimetabolites. Naaktgeboren N, et al. **Anal Biochem** 1983 Aug; 133(1):136–41

Selection of therapeutic agents for intraocular proliferative disease. Cell culture evaluation. Blumenkranz MS, et al. **Arch Ophthalmol** 1984 Apr;102(4):598–604

Metabolic arrest: the most effective means of protecting tissues against hypoxia. Hochachka PW, et al. **Prog Clin Biol Res** 1983;136:297–309 (42 ref.)

THERAPEUTIC USE

Role of polyamines and their antimetabolites in clinical medicine. Jänne J, et al. **Spec Top Endocrinol Metab** 1983; 5:227–93 (316 ref.)

TOXICITY

Effects of 3-deazaguanosine and 3-deazaguanine on the growth and maturation of the human promyelocytic leukemia cell line, HL-60. Lucas DL, et al. **Adv Exp Med Biol** 1984;165 Pt B:321–5

ANTIMETABOLITES, ANTINEOPLASTIC

Antitumor cell and antimetabolic effects of 5-ethyl-2'-deoxyuridine and 5'-substituted 5-ethyl-2'-deoxyuridine derivatives. Balzarini J, et al. **Invest New Drugs** 1984;2(1):35–47

CHEMICAL SYNTHESIS

Synthesis and biological properties of some cyclic phosphotriesters derived from 2'-deoxy-5-fluorouridine. Hunston RN, et al. **J Med Chem** 1984 Apr;27(4):440–4

METABOLISM

Role of endocytosis and lysosomal pH in uptake of N-(phosphonacetyl)-L-aspartate and its inhibition of pyrimidine synthesis. White JC, et al. **Cancer Res** 1984 Feb; 44(2):507–13

PHARMACODYNAMICS

Synergistic interaction between acivicin (AT-125) and 6-thioguanine in the murine leukemia L1210. Biochemical and cytokinetic considerations. Bhalla K, et al. **Biochem Pharmacol** 1984 Jan 15;33(2):247–54

Optimum scheduling during combination chemotherapy of murine leukemia. Additional examples of schedule-dependent synergism between S-phase-specific antimetabolites and agents inducing mitotic or pre-mitotic (G2) arrest. Sirotnak FM, et al. **Cancer Chemother Pharmacol** 1983;11(3):205–7

Abnormal deoxyuridine suppression as a rapid predictor for antimetabolite chemosensitivity: correlation with in vitro tests of growth inhibition. Block JB, et al. **Cancer Treat Rep** 1984 Apr;68(4):631–6

Flux through the de novo pyrimidine pathway in vivo. Effect of N-phosphonacetyl-L-aspartate, a potent inhibitor of aspartate transcarbamylase. Monks A, et al. **J Biol Chem** 1983 Nov 25;258(22):13564–9

THERAPEUTIC USE

Phase II evaluation of PALA in patients with refractory metastatic sarcomas. Kurzrock R, et al. **Am J Clin Oncol** 1984 Aug;7(4):305–7

Inhibition by N-(phosphonacetyl)-L-aspartate of Ehrlich ascites tumour growth and glucose transport. Leung SW, et al. **Cancer Lett** 1984 Jun;23(2):183–8

[New approaches to the regulation of S-adenosylmethionine biosynthesis and transmethylation processes in normal and malignant cells] Bukin IuV, et al. **Vestn Akad Med Nauk SSSR** 1984;(5):9–14 (Eng. Abstr.) **(Rus)**

TOXICITY

Molecular basis of the antineoplastic activity of 3'-amino-3'-deoxythymidine. Chen MS, et al. **Mol Pharmacol** 1984 May;25(3):441–5

ANTIMONY

Carcinogenesis tests of nickel arsenides, nickel antimonide, and nickel telluride in rats. Sunderman FW Jr, et al. **Cancer Invest** 1983;1(6):469–74

Endogenous elements in the prostate. An X-ray microanalytical study of freeze-dried frozen sections and histochemical localization of zinc by potassium pyroantimonate. Timms BG, et al. **Histochem J** 1984 Jul; 16(7):733–54

ADMINISTRATION & DOSAGE

A direct comparison between subcutaneous and intralymphatic injections for lymphoscintigraphy. Gibson CJ, et al. **Clin Radiol** 1984 Jan;35(1):81–3

ANALYSIS

Simultaneous determination of arsenic, antimony, and selenium in marine samples by inductively coupled plasma atomic emission spectrometry. de Oliveira E, et al. **Anal Chem** 1983 Nov;55(13):2047–50

A note on the variability of barium and antimony levels in cartridge primers and its implication for gunshot residue identification. Booker JL, et al. **J Forensic Sci Soc** 1984 Mar–Apr;24(2):81–4

[Possibilities and limits of determining shooting distance using antimony concentrations in the contusion ring in shooting distances up to 400 m] Kijewski H, et al. **Beitr Gerichtl Med** 1983;41:383–9 (Eng. Abstr.) **(Ger)**

[Study of antimony in surface waters and beverages] Bigazzi Grasso C, et al. **Nuovi Ann Ig Microbiol** 1982 Mar–Jun; 33(2–3):295–300 (Eng. Abstr.) **(Ita)**

[Antimony as a component of occupational air pollutants in an industrial town] Popov IuP, et al. **Gig Sanit** 1983 Dec; (12):60–2 **(Rus)**

[Water migration criterion of antimony hazards in a healthful determination of its maximum allowable concentration in soil] Rafel' IuB, et al. **Gig Sanit** 1983 Dec;(12):23–6 (Eng. Abstr.) **(Rus)**

BLOOD

Antimony concentrations in equine serum. Stanier P, et al. **Vet Rec** 1983 Aug 13;113(7):157

DIAGNOSTIC USE

Lymphoscintigraphy in patients with malignant melanoma: a quantitative and qualitative evaluation of its usefulness. Bergqvist L, et al. **Eur J Nucl Med** 1984;9(3):129–35

Effects of a metastatic (13762) and nonmetastatic (R3230AC) mammary adenocarcinoma on radiocolloid localization in regional lymph nodes in Fischer 344 rats. Ege GN, et al. **J Reticuloendothel Soc** 1983 Dec;34(6):449–62

PHARMACODYNAMICS

Correlation between structure of polyoxotungstates and their inhibitory activity on polymerases. Herve M, et al. **Biochem Biophys Res Commun** 1983 Oct 14;116(1):222–9

Modulation by the polyoxotungstate HPA-23 of Epstein-Barr virus early antigen expression in Raji cells treated with iododeoxyuridine. Souyri-Caporale M, et al. **J Gen Virol** 1984 Apr;65 (Pt 4):831–5

POISONING

Continuous pH monitoring with monocrystalline antimony electrodes: toxicity considerations from studies on heparinized human plasma. Nilsson E, et al. **Scand J Clin Lab Invest** 1983 Oct;43(6):539–42

THERAPEUTIC USE

Antileishmanial activity of liposome-encapsulated meglumine antimonate in the dog. Chapman WL Jr, et al. **Am J Vet Res** 1984 May;45(5):1028–30

The antiviral compound HPA-23 can prevent scrapie when administered at the time of infection. Kimberlin RH, et al. **Arch Virol** 1983;78(1–2):9–18

Cryosurgery in cutaneous leishmaniasis [letter] Bassiouny A. **Br J Dermatol** 1983 Nov;109(5):617–9

Toxicity and efficacy of the antileishmanial drug meglumine antimoniate in the owl monkey (Aotus trivirgatus). Chapman WL Jr, et al. **J Parasitol** 1983 Dec;69(6):1176–7

American cutaneous leishmaniasis: disappearance of amastigotes from lesions during antimonial therapy. Mayrink W, et al. **Rev Inst Med Trop Sao Paulo** 1983 Nov–Dec;25(6):265–9

[Successful intralesional treatment of leishmaniasis caused by Leishmania brasiliensis panamensis using glucantime] Solano E, et al. **Med Cutan Iber Lat Am** 1984;12(1):19–24 (Eng. Abstr.) **(Spa)**

TOXICITY

Antimony and thallium toxicity to embryos and larvae of fathead minnows (Pimephales promelas). LeBlanc GA, et al. **Bull Environ Contam Toxicol** 1984 May;32(5):565–9

[Experimental study on lung fibrogenicity of antimony dust in rats by single and multiple intratracheal injections] Xin YZ. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1984 Jan; 18(1):23–6 (Eng. Abstr.) **(Chi)**

ANTIMONY POTASSIUM TARTRATE see under **ANTIMONY**

ANTIMONY SODIUM GLUCONATES see under **GLUCONATES**

ANTIMUSCARINIC AGENTS see **PARASYMPATHOLYTICS**

ANTIMYCIN A

ANALOGS & DERIVATIVES

Retention of mitochondrial DNA species in somatic cell hybrids using antibiotic selection. Solus JF, et al. **Exp Cell Res** 1984 Apr;151(2):299–305

DIAGNOSTIC USE

[Binding of IgG and its aggregates to human platelets can be made saturable by using deoxyglucose and antimycin A] Spycher MO, et al. **Schweiz Med Wochenschr** 1983 Oct 8;113(40):1469–71 (Eng. Abstr.) **(Ger)**

METABOLISM

Dicyclohexylcarbodiimide blocks proton ejection and affects antimycin binding but not electron transport in complex III from yeast mitochondria. Clejan L, et al. **J Biol Chem** 1983 Dec 10;258(23):14271–5

PHARMACODYNAMICS

The effect of testosterone on ram spermatozoa collective motility treated by antimycin A. Ailenberg M, et al. **Acta Endocrinol (Copenh)** 1984 May;106(1):133–40

Pathway for uncoupler-induced calcium efflux in rat liver mitochondria: inhibition by ruthenium red. Bernardi P, et al. **Biochemistry** 1984 Apr 10;23(8):1645–51

The isolation of an antimycin A-resistant human cell line. Munro E, et al. **Exp Cell Res** 1983 Sep;147(2):329–39

Comparison of the characteristics of the negative inotropic actions of dinitrophenol, rotenone, antimycin A and the intracellular calcium antagonist, propyl-methylenedioxyindene. Lynch JJ, et al. **Gen Pharmacol** 1983;14(4):437–43

Increased sensitivity of cerebrohepatorenal syndrome fibroblasts to antimycin A. Kelley RI, et al. **J Inherited Metab Dis** 1983;6(4):158–62

Uptake and retention of moulting hormones by the integument of crayfishes in vitro. II. Influence of metabolic inhibitors and sulphydryl group inhibitors. Daig K, et al. **Mol Cell Endocrinol** 1983 Sep;32(1):73–9

[Differences in the action of antimycin and 2–nonyl–4–hydroxyquinoline N–oxide on oxidation–reduction of mitochondrial cytochromes b] Kunts VS, et al. **Biokhimiia** 1983 Sep;48(9):1456–62 (Eng. Abstr.) **(Rus)**

ANTINEMATODAL AGENTS

Myeloperoxidase is more efficient than eosinophil peroxidase in the in vitro killing of newborn larvae of Trichinella spiralis. Buys J, et al. **Immunology** 1984 Mar;51(3):601–7

The effect of aldicarb on nematode population and its persistence in carrots, soil and hydroponic solution. Lue LP, et al. **J Environ Sci Health [B]** 1984 Apr;19(3):343–54

ADMINISTRATION & DOSAGE

Comparison of oral and intraruminal administration of oxfendazole against Ostertagia ostertagi and Cooperia oncophora. Bairden K, et al. **Vet Rec** 1983 Nov 5; 113(19):448–9

[Effectiveness of oxfendazole against Muellerius capillaris (Nematoda: Protostrongylidae) in goats] Cremers HJ. **Tijdschr Diergeneeskd** 1983 Nov 15;108(22):863–7 (Eng. Abstr.) **(Dut)**

ADVERSE EFFECTS

Dibromochloropropane–induced reduction of the sex–ratio in man. Potashnik G, et al. **Andrologia** 1984 May–Jun; 16(3):213–8

Mortality experience of employees with occupational exposure to DBCP. Hearn S, et al. **Arch Environ Health** 1984 Jan–Feb;39(1):49–55

Allergy to piperazine in a patient sensitive to ethylenediamine. Price ML, et al. **Contact Dermatitis** 1984 Feb;10(2):120

ANALYSIS

[Colorimetric and fluorometric determinations of cartap, an insecticide, by ion association with calcon] Sano T, et al. **Yakugaku Zasshi** 1983 Jun;103(6):650–4 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Effects of piperazine citrate and of the anti–Ascaris fraction of the ethanolic extract of the bark of Polyadoa umbellata (erin) on mammalian non–vascular smooth muscle. Onuaguluchi G. **Arch Int Pharmacodyn Ther** 1984 Jun; 269(2):263–70

Further studies of the effect of selection with levamisole on a benzimidazole resistant population of Ostertagia spp. of sheep. Waller PJ, et al. **Int J Parasitol** 1983 Oct;13(5):463–8

A comparison of the effects of flubendazole and thiabendazole on the larvae of Angiostrongylus cantonensis, Trichinella spiralis, Diphyllobothrium erinacei and Hymenolepis nana in mice. Maki J, et al. **Parasitology** 1983 Dec;87 (Pt 3):525–31

Improvement of in vitro culture conditions of Brugia pahangi four day old developing larvae for use in an antifilarial drug assay. Court JP, et al. **Tropenmed Parasitol** 1983 Sep; 34(3):162–8

Effect of ivermectin treatment on eosinophilic pneumonia and other extravascular lesions of late Strongylus vulgaris larval migration in foals. Turk MA, et al. **Vet Pathol** 1984 Jan;21(1):87–92

[Effect of pesticides: cartap and monocrotophos on the invasiveness of ova of Ascaris suum and on the pathomorphological changes in the lung and liver of Cavia porcellus with experimental ascariasis] Rostkowska J, et al. **Wiad Parazytol** 1983;29(3):309–16 (Eng. Abstr.) **(Pol)**

THERAPEUTIC USE

Successful treatment of Capillaria hepatica infection in an acutely ill adult. Pereira VG, et al. **Am J Trop Med Hyg** 1983 Nov;32(6):1272–4

Activity of flubendazole against developing stages of Dirofilaria immitis in dogs. Guerrero J, et al. **Am J Vet Res** 1983 Dec;44(12):2405–6

Anthelmintic activity of flubendazole in naturally infected geese and the economic importance of deworming. Vanparijs O. **Avian Dis** 1984 Apr–Jun;28(2):526–31

Chemoprophylactic activity of flubendazole against Brugia pahangi in jirds. Chusattayanond W, et al. **J Parasitol** 1984 Feb;70(1):191–2

Humoral and cellular immunity in patients with hepatic alveolar echinococcosis. A 2 year follow–up with and without flubendazole treatment. Vuitton DA, et al. **Parasite Immunol** 1984 Jul;6(4):329–40

[Observation on the whipworm–expulsive effects of oxantel and its combinations with pyrantel pamoate and mebendazol] Sun R. **Chung Hua I Hsueh Tsa Chih** 1983 Aug;63(8):506–8 **(Chi)**

[Flubendazole in human Echinococcus granulosus hydatidosis. Preoperative care: parasit–pharmacologic study] Piens MA, et al. **Bull Soc Pathol Exot Filiales** 1984 Jan–Feb;77(1):69–80 (Eng. Abstr.) **(Fre)**

[Value of flubendazole in the treatment of toxocariasis (letter)] Dutoit E, et al. **Presse Med** 1983 Oct 29;12(38):2396 **(Fre)**

[Basis of the treatment and prevention of ocular onchocerciasis] Rolland A, et al. **Rev Int Trach Pathol Ocul Trop Subtrop Sante Publique** 1982;59(4):33–134 (Eng. Abstr.) **(Fre)**

TOXICITY

Lack of effect of dibromochloropropane on the mouse testis. Oakberg EF, et al. **Environ Mutagen** 1984;6(4):621–5

Parasite enzymes as potential targets for antiparasitic chemotherapy. Wang CC. **J Med Chem** 1984 Jan;27(1):1–9 (121 ref.)

The mutagenicity in procaryotes of insecticides, acaricides, and nematicides. Wildemauwe C, et al. **Residue Rev** 1983; 89:129–78 (164 ref.)

Effects of 1,2–dibromo–3–chloropropane on hepatic heme synthesis. Moody DE, et al. **Toxicol Appl Pharmacol** 1984 Sep 30;75(3):561–70

ANTINEOPLASTIC AGENTS

see related
INFUSIONS, INTRA–ARTERIAL
PERFUSION, REGIONAL

Drugs recently released in Belgium. Harvengt C. **Acta Clin Belg** 1983;38(5):344–5

Muramyl dipeptides: prospect for cancer treatments and immunostimulation. Kotani S, et al. **Adv Exp Med Biol** 1983;166:117–58

Effect of chronic administration of a synthetic aromatic retinoid (Ro 10–9359) on the development of lung squamous metaplasia and epidermoid cancer in rats. Nolibe D, et al. **Adv Exp Med Biol** 1983;166:269–77

Recommendations for handling cytotoxic drugs in hospitals [letter] **Am J Hosp Pharm** 1983 Dec;40(12):2133–4

Errors in oncolytic agent stability study [letter] Benvenuto JA. **Am J Hosp Pharm** 1983 Oct;40(10):1628

OSHA regulations concerning cytotoxic agents [letter] Gray JL 3d, et al. **Am J Hosp Pharm** 1984 Apr;41(4):630

Need for specific data on incineration of antineoplastic agents [letter] Habeger HE. **Am J Hosp Pharm** 1983 Sep; 40(9):1468

Handling of antineoplastic drugs in Washington hospitals [letter] Helgerson SD, et al. **Am J Hosp Pharm** 1984 Mar; 41(3):446, 449

Disposal of antineoplastic wastes at the National Institutes of Health. Vaccari PL, et al. **Am J Hosp Pharm** 1984 Jan; 41(1):87–93

Antineoplastic, immunogenic and other effects of the tetrapeptide tuftsin: a natural macrophage activator. **Ann NY Acad Sci** 1983;419:1–273

Organotin implications in anticarcinogenesis. Effects of several organotins on tumour growth rate in mice. Cardarelli NF, et al. **Aust J Exp Biol Med Sci** 1984 Apr; 62 (Pt 2):209–14

Antineoplastic and antiherpetic activity of spermidine catecholamide iron chelators. Bergeron RJ, et al. **Biochem Biophys Res Commun** 1984 Jun 29;121(3):848–54

Comparative in vitro studies of Tiazofurin and a selenazole analog. Streeter DG, et al. **Biochem Biophys Res Commun** 1983 Sep 15;115(2):544–50

9–Deazaadenosine—a new potent antitumor agent. Chu MY, et al. **Biochem Pharmacol** 1984 Apr 15;33(8):1229–34

The formation and metabolism of N–hydroxymethyl compounds—IV. Cytotoxicity and antitumour activity of N–hydroxymethylformamide, a putative metabolite of N–methylformamide (NSC 3051). Cooksey PG, et al. **Biochem Pharmacol** 1983 Oct 15;32(20):3037–43

2,9–Dimethyl–1,10–phenanthroline (neocuproine): a potent, copper–dependent cytotoxin with anti–tumor activity. Mohindru A, et al. **Biochem Pharmacol** 1983 Dec 1; 32(23):3627–32

Inhibition of the growth of cultured cells and an implanted fibrosarcoma by aroylhydrazone analogs of the Gly–His–Lys–Cu(II) complex. Pickart L, et al. **Biochem Pharmacol** 1983 Dec 15;32(24):3868–71

Quenching of DNA–ethidium fluorescence by amsacrine and other antitumor agents: a possible electron–transfer effect. Baguley BC, et al. **Biochemistry** 1984 Feb 28;23(5):937–43

Cytotoxicity of aniline mustard glucuronide alone or in a combination with glucose in Walker cells in culture and sarcoma–180 tumour bearing animals. Deliconstantinos G, et al. **Biomed Pharmacother** 1983;37(7):339–43

Cytotoxicity of cyclodepsipeptides on murine lymphocytes and on L 1210 leukemia cells. Morel E, et al. **Biomed Pharmacother** 1983;37(4):184–5

Differential susceptibility and cytopathic alterations induced by PTT. 119, a new cancericidal compound, p–fluoro–Phe–L–Phe–m–bis–(2–chloroethyl)amino–L–Phe ethoxy HCl. Yagi MJ, et al. **Biomed Pharmacother** 1983; 37(7):329–38

Chemical and biological stability of anticancer drugs used in a human tumor clonogenic assay. Ludwig R, et al. **Cancer Chemother Pharmacol** 1984;12(3):142–5

Antitumour activity of endotoxin, concanavalin A and poly I: C and their ability to elicit tumour necrosis factor, cytostatic factors, and interferon in vivo. Bloksma N, et al. **Cancer Immunol Immunother** 1983;16(1):35–9

Anti–neoplastic activity of C205: a new topical anti–cancer formulation. Pardini RS, et al. **Cancer Lett** 1984 Jul; 23(3):273–7

Involvement of histamine in growth of mouse and rat tumors: antitumoral properties of monofluoromethylhistidine, an enzyme–activated irreversible inhibitor of histidine decarboxylase. Bartholeyns J, et al. **Cancer Res** 1984 Feb; 44(2):639–45

Relationship between the anticarcinogenic effect of N6,O2'–dibutyryl cyclic adenosine 3',5'–monophosphate and modulation of gene expression and inhibition of binding of 7,12–dimethylbenz(alpha)anthracene to DNA of mammary cells. Huang FL, et al. **Cancer Res** 1984 Apr; 44(4):1595–9

Combined cyclophosphamide chemotherapy and maltose tetrapalmitate immunotherapy in the treatment of transplanted bladder and prostate carcinoma of the rat. Ibrahiem EH, et al. **Cancer Res** 1984 Feb;44(2):536–42

Dipyridamole enhancement of toxicity to L1210 cells by deoxyadenosine and deoxycoformycin combinations in vitro. Kang GJ, et al. **Cancer Res** 1984 Feb;44(2):461–6

Molecular and biological characterization of anticarcinogenic and tumor cell growth–inhibitory activities of Syrian hamster lymphotoxin. Ransom JH, et al. **Cancer Res** 1983 Nov;43(11):5222–7

Effects of alpha–difluoromethylornithine on the growth of 9L rat brain tumor multicellular spheroids and their response to 1,3–bis(2–chloroethyl)–1–nitrosourea. Sano Y, et al. **Cancer Res** 1984 Feb;44(2):577–81

Preclinical evaluation of the anti tumour activity of new epoxyde derivatives. Atassi G, et al. **Cancer Treat Rev** 1984 Mar;11 Suppl A:99–110

Predictive testing with the subrenal capsule assay. Bogden AE, et al. **Cancer Treat Rev** 1984 Mar;11 Suppl A:113–24

Resistance of tumour cells to chemotherapy: importance of host defence factors. Nagel GA, et al. **Cancer Treat Rev** 1984 Mar;11 Suppl A:139–46

Chemosensitivity testing of human neoplasms using the soft agar colony assay. Schlag P, et al. **Cancer Treat Rev** 1984 Mar;11 Suppl A:131–7

Development of selectively acting platinum complexes. Schönenberger H, et al. **Cancer Treat Rev** 1984 Mar;11 Suppl A:125–30

Glutathione–conferred resistance to antineoplastics: approaches toward its reduction. Somfai–Relle S, et al. **Cancer Treat Rev** 1984 Mar;11 Suppl A:43–54

Preparation of antitumor platinum(II) complexes of 1,2–diphenylethylenediamine isomers and their interactions with DNA and its purine moieties. Noji M, et al. **Chem Biol Interact** 1984 Sep 1;51(1):37–48

Hemostasis and mechanism of action of selective antimetastatic drugs in mice bearing Lewis lung carcinoma. Giraldi T, et al. **Eur J Cancer Clin Oncol** 1984 Jul; 20(7):961–6

Alkylation of DNA by the new anticancer agent 3,6–diaziridinyl–2,5–bis(carboethoxyamino)–1,4–benzoquin (AZQ). King CL, et al. **Eur J Cancer Clin Oncol** 1984 Feb;20(2):261–4

Metastasis after intravenous inoculation of highly metastatic variants of mouse tumors and the effects of several antitumor drugs on the tumors. Tsuruo T, et al. **Gann** 1984 Feb;75(2):193–8

Simple and rapid purification of radiolabeled [14C]cyclophosphamide by Sep Pak C18 cartridges. Gattavecchia E, et al. **Int J Appl Radiat Isot** 1983 Nov; 34(11):1553–4

Storage of chemotherapy drugs for use in the human tumor stem cell assay. Franco R, et al. **Int J Cell Cloning** 1984 Jan;2(1):2–8

Synthesis of N–(2–chloroethyl)–N–nitrosocarbamoyl derivatives of biologically active polypeptide hormone fragments. Süli–Vargha H, et al. **Int J Pept Protein Res** 1984 Jun;23(6):650–6

Nafazatrom: clonogenic in–vitro assessment of activity against human malignancies. Haas CD, et al. **Invest New Drugs** 1984;2(1):7–11

Nafazatrom: in–vitro assessment of radiation and drug activity against animal and human cell lines. Haas JS, et al. **Invest New Drugs** 1984;2(1):3–6

Antineoplastic activity of esters and amides of N–[N'–(2–chloroethyl)–N'–nitrosocarbamoyl]–aminoacids. Zeller WJ, et al. **J Cancer Res Clin Oncol** 1984; 108(2):249–51

A study of routines followed and equipment used in 430 hospital wards handling antineoplastic agents. Svärd L, et al. **J Clin Hosp Pharm** 1983 Sep;8(3):275–87

Safe disposal of some commonly used injectable antineoplastic drugs. Wilson SJ. **J Clin Hosp Pharm** 1983 Sep;8(3):295–9

Routine use of BACTEC 16B bottles to remove antibacterial and antitumor agents from blood cultures of cancer patients. Hopfer RL, et al. **J Clin Microbiol** 1983 Oct; 18(4):759–64

Polar solvents: a novel class of antineoplastic agents. Spremulli EN, et al. **J Clin Oncol** 1984 Mar;2(3):227–41 (116 ref.)

Potential antitumor agents. 41. Analogues of amsacrine with electron–donor substituents in the anilino ring. Atwell GJ, et al. **J Med Chem** 1984 Mar;27(3):367–72

Synthesis and biological activity of certain 3,4–disubstituted pyrazolo[3,4–d]pyrimidine nucleosides. Cottam HB, et al. **J Med Chem** 1984 Sep;27(9):1119–27

Potential antitumor agents. 40. Orally active 4,5-disubstituted derivatives of amsacrine. Denny WA, et al. **J Med Chem** 1984 Mar;27(3):363-7

Potential antitumor agents. 39. Anilino ring geometry of amsacrine and derivatives: relationship to DNA binding and antitumor activity. Denny WA, et al. **J Med Chem** 1983 Nov;26(11):1625-30

Interactions of antitumor drugs with natural DNA: 1H NMR study of binding mode and kinetics. Feigon J, et al. **J Med Chem** 1984 Apr;27(4):450-65

Ring-substituted 1,2-dialkylated 1,2-bis(hydroxyphenyl)ethanes. 3. Synthesis, estrogen receptor binding affinity, and evaluation of antiestrogenic and mammary tumor inhibiting activity of 2,2'-disubstituted butestrols and 6,6'-disubstituted metabutestrols. Hartmann RW, et al. **J Med Chem** 1984 Jul;27(7):819-24

Methotrexate analogues. 20. Replacement of glutamate by longer-chain amino diacids: effects on dihydrofolate reductase inhibition, cytotoxicity, and in vivo antitumor activity. Rosowsky A, et al. **J Med Chem** 1983 Dec; 26(12):1719-24

Factors influencing the antitumorigenic properties of selenium in mice. Poirier KA, et al. **J Nutr** 1983 Nov; 113(11):2147-54

Evaluation of some Mannich bases derived from substituted acetophenones against P-388 lymphocytic leukemia and on respiration in isolated rat liver mitochondria. Dimmock JR, et al. **J Pharm Sci** 1983 Aug;72(8):887-94

Enhancement of the antitumor activity of N6-(delta 2-isopentenyl)adenosine against cultured L-1210 leukemia cells by pentostatin using a polymeric delivery system. Hacker B, et al. **J Pharm Sci** 1983 Aug;72(8):902-5

Increased cytotoxicity of N6-(delta 2-isopentenyl)adenosine in combination with pentostatin against L-1210 leukemia cells. Hacker B, et al. **J Pharm Sci** 1983 Oct;72(10):1225-6

Antineoplastic activity of tetrakis-mu-(trimethylamine-boranecarboxylato)-bis (trimethylamine-carboxyborane)dicopper (II) in Ehrlich ascites carcinoma. Hall IH, et al. **J Pharm Sci** 1984 Feb; 73(2):222-5

Antitumor activity of acidic mannan fraction from bakers' yeast. Hashimoto K, et al. **J Pharmacobiodyn** 1983 Sep; 6(9):668-76

Effects of chlordiazepoxide, diazepam and oxazepam on the antitumor activity, the lethality and the blood level of active metabolites of cyclophosphamide and cyclophosphamide oxidase activity in mice. Sasaki K, et al. **J Pharmacobiodyn** 1983 Oct;6(10):767-72

Comparative study of antitumor activity and immunomodulatory effect of tetrahydro-2-furanyl and tetrahydro-2-pyranyl (1 leads to 3)-beta-D-glucans. Uchida H, et al. **J Pharmacobiodyn** 1983 Sep;6(9):660-7

Murine L5178Y cells resulting in altered drug sensitivities from fractionated radiation exposure in vitro. Bellamy AS, et al. **JNCI** 1984 Feb;72(2):411-7

Biochemical purification of antineoplastic agents obtained from sturgeon serum. Cameron DJ. **JNCI** 1984 Jul; 73(1):281-8

Effects of multiple putative anticarcinogens on the carcinogenicity of trans-5-amino-3-[2-(5-nitro-2-furyl)vinyl]-1,2,4-oxadiaz Dunsford HA, et al. **JNCI** 1984 Jul;73(1):161-8

Potentiation of cytotoxicity of anticancer agents by several different polyene antibiotics. Valeriote F, et al. **JNCI** 1984 Feb;72(2):435-9

Anti-Cancer Subcommittee. Aims and policies. **Med J Aust** 1984 Feb 4;140(3):149-50

Conference on a new look at older drugs in cancer treatment: Project to Review Older Drugs (PROD). Sponsored by the Division of Cancer Treatment, National Cancer Institute, June 8-9, 1982, at the National Institutes of Health, Bethesda, Maryland. **Med Pediatr Oncol** 1983; 11(6):383A-528B

Interactions of the antitumor agents mitoxantrone and bisantrene with deoxyribonucleic acids studied by electron microscopy. Lown JW, et al. **Mol Pharmacol** 1984 Jan; 25(1):178-84

Phase I toxicologic study of Lonidamine in cancer patients. Band PR, et al. **Oncology** 1984;41 Suppl 1:56-9

Phase II study of Lonidamine in cancer patients. Band PR, et al. **Oncology** 1984;41 Suppl 1:66-8

Lonidamine, a new approach to cancer therapy. Caputo A, et al. **Oncology** 1984;41 Suppl 1:2-6 (37 ref.)

Lonidamine in primary malignant brain tumors. Preliminary report. Carapella CM, et al. **Oncology** 1984;41 Suppl 1:82-5

Lonidamine and hyperthermia: clinical experience in melanoma. Preliminary results. Cavaliere R, et al. **Oncology** 1984;41 Suppl 1:116-20

Morphological damage induced in vivo by Lonidamine on human metastatic cancer cells. De Martino C, et al. **Oncology** 1984;41 Suppl 1:94-103

Phase II evaluation of Lonidamine in patients with advanced malignancy. Evans WK, et al. **Oncology** 1984;41 Suppl 1:69-77

Radiosensitization of Meth-A fibrosarcoma in mice by Lonidamine. Kim JH, et al. **Oncology** 1984;41 Suppl 1:36-8

Lonidamine: a hyperthermic sensitizer of HeLa cells in culture and of the Meth-A tumor in vivo. Kim JH, et al. **Oncology** 1984;41 Suppl 1:30-5

Phase II study of lonidamine in inoperable non-small-cell lung cancer. Kokron O, et al. **Oncology** 1984;41 Suppl 1:86-9

Lonidamine and radiotherapy in head and neck cancers. A pilot study. Magno L, et al. **Oncology** 1984;41 Suppl 1:113-5

Lonidamine in the treatment of chronic lymphoid leukemia. Tura S, et al. **Oncology** 1984;41 Suppl 1:90-3

Phase I and clinical pharmacologic evaluation of Lonidamine in patients with advanced cancer. Young CW, et al. **Oncology** 1984;41 Suppl 1:60-5

Antineoplastic effect of the pyrimido-pyrimidine derivative: RA 233. Biddle W, et al. **Pathol Biol (Paris)** 1984 Jan; 32(1):9-13

Dihydroxyanthraquinone and related bis(substituted) aminoanthraquinones: a novel class of antitumor agents. Traganos F. **Pharmacol Ther** 1983;22(2):199-214 (62 ref.)

Regioselective arylation of ribose in adenosine and guanosine with the antitumor drug N2-methyl-9-hydroxyellipticinium acetate. Bernadou J, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(5):1297-301

Prostaglandin D2 inhibits the proliferation of human malignant tumor cells. Sakai T, et al. **Prostaglandins** 1984 Jan;27(1):17-26

Steroid receptors in megestrol acetate therapy. Alexieva-Figusch J, et al. **Recent Results Cancer Res** 1984; 91:253-8

[Modern perspectives in the field of cytostatic agents] Plevová J. **Cas Lek Cesk** 1984 Jun 22;123(25):779 **(Cze)**

[Derivatives of benzo(c)fluorene. VII. Probability model of the dependence of activity on chemical structure in the pharmacological evaluation of antitumor activity of derivatives of benzo(c)fluorene] Mělka M, et al. **Cesk Farm** 1984 May;33(3-4):103-6 (Eng. Abstr.) **(Cze)**

[Derivatives of benzo(c)fluorene. VIII. Use of the index of molecular connectivity in the study of antineoplastic activity of a group of benzo(c)fluorene derivatives] Mělková Z. **Cesk Farm** 1984 May;33(3-4):107-11 (Eng. Abstr.) **(Cze)**

[New research on the cellular effects of thiaproline] Bassleer R, et al. **Ann Pharm Fr** 1983;41(6):591-5 (Eng. Abstr.) **(Fre)**

[In vivo and in vitro effect of trehalose dimycolate on tumoricidal activity of peritoneal macrophages from rats] Reisser D, et al. **C R Seances Acad Sci [III]** 1984; 298(7):181-3 (Eng. Abstr.) **(Fre)**

[Antitumor activity of cis-dichloro-bis-(alpha-amino acid ester)platinum complexes] Wappes B, et al. **Arch Pharm (Weinheim)** 1983 Oct;316(10):854-62 (Eng. Abstr.) **(Ger)**

[Development of antitumor platinum complexes] Kidani Y. **Gan To Kagaku Ryoho** 1983 Dec;10(12):2442-52 (Eng. Abstr.) **(Jpn)**

[Phase I clinical study] Majima H. **Gan To Kagaku Ryoho** 1984 Mar;11(3):383-8 (Eng. Abstr.) **(Jpn)**

[A tentative of guideline for phase III study and its problems in clinical aspect] Nakao I. **Gan To Kagaku Ryoho** 1984 Mar;11(3):395-403 (Eng. Abstr.) **(Jpn)**

[Methodology of phase II study] Ogawa M. **Gan To Kagaku Ryoho** 1984 Mar;11(3):389-94 (Eng. Abstr.) **(Jpn)**

[Basic rules and problems of phase study of new anticancer agents] Saito T. **Gan To Kagaku Ryoho** 1984 Mar; 11(3):377-82 (Eng. Abstr.) **(Jpn)**

[Comparative clinical trials] Yokoyama M. **Gan To Kagaku Ryoho** 1984 Mar;11(3):404-12 (Eng. Abstr.) **(Jpn)**

[Effect of vitamin E (DL-alpha-tocopherol) on the growth of the rat glioma cells in culture] Kokunai T, et al. **Neurol Med Chir (Tokyo)** 1983 Jun;23(6):421-7 (Eng. Abstr.) **(Jpn)**

[Test for antitumor activities of phenothiazines and phenoxazines] Motohashi N. **Yakugaku Zasshi** 1983 Mar; 103(3):364-71 (Eng. Abstr.) **(Jpn)**

[Relationship between immunosuppressive and therapeutic effects of selected cytostatics under experimental conditions] Markowska-Woyciechowska A. **Patol Pol** 1983 Oct-Dec;34(4):391-404 (Eng. Abstr.) **(Pol)**

ADMINISTRATION & DOSAGE

Hematologic parameters in the adjustment of chemotherapy doses in combined modality treatments involving radiation. Byfield JE. **Am J Clin Oncol** 1984 Aug;7(4):371-4

High-dose amsacrine (AMSA) therapy of relapsed and refractory adult acute nonlymphocytic leukemia. A phase II study. Cassileth PA, et al. **Am J Clin Oncol** 1984 Aug; 7(4):361-3

Implementing guidelines for managing extravasation of antineoplastics. Hirsh JD, et al. **Am J Hosp Pharm** 1983 Sep;40(9):1516-9

Veterans Administration medical center policies and procedures for handling injectable antineoplastic drugs. Moody DG. **Am J Hosp Pharm** 1984 May;41(5):916-9

Decreased serum phosphate levels after high-dose estrogens in metastatic prostate cancer. Possible implications. Citrin DL, et al. **Am J Med** 1984 May;76(5):787-93

Hepatic chemotherapy via implantable pump. Gullatte MM, et al. **Am J Nurs** 1983 Dec;83(12):1674-6

Safety precautions in home chemotherapy. Schaffner A. **Am J Nurs** 1984 Mar;84(3):346-7

Long-term survival after chemotherapy for advanced epithelial ovarian carcinoma. Wharton JT, et al. **Am J Obstet Gynecol** 1984 Apr 1;148(7):997-1005

Implantable central venous access system. Bothe A Jr, et al. **Am J Surg** 1984 Apr;147(4):565-9

Continuous infusion or bolus injection in cancer chemotherapy. Carlson RW, et al. **Ann Intern Med** 1983 Dec;99(6):823-33 (97 ref.)

Intraperitoneal chemotherapy. Ozols RF, et al. **Ann Intern Med** 1984 Jul;101(1):118-20

Hepatic arterial chemotherapy for colorectal cancer metastatic to the liver. Stagg RJ, et al. **Ann Intern Med** 1984 May;100(5):736-43 (68 ref.)

Hyperthermic perfusion for melanoma. Cozad J. **AORN J** 1983 Dec;38(6):974-8

Liver carcinoma. Treatment with an implantable pump. Steuer K. **AORN J** 1984 Apr;39(5):787-92

Chemotherapy for metastatic parathyroid carcinoma [letter] Chahinian AP. **Arch Intern Med** 1984 Sep;144(9):1889

Retarding, rescuing techniques tried against cancers in liver [news] Gunby P. **Arch Intern Med** 1984 Jan;144(1):31

Hematoporphyrin derivative photoradiation therapy in managing nevoid basal-cell carcinoma syndrome. A preliminary report. Tse DT, et al. **Arch Ophthalmol** 1984 Jul;102(7):990-4

Long-term hepatic arterial infusion chemotherapy. Anatomic considerations, operative technique, and treatment morbidity. Daly JM, et al. **Arch Surg** 1984 Aug; 119(8):936-41

Preparation and investigation of cross-linked copolymers containing antitumour agents. Zacharieva EI, et al. **Biomaterials** 1983 Jul;4(3):197-200

Specific and nonspecific macromolecule-drug conjugates for the improvement of cancer chemotherapy. Hurwitz E. **Biopolymers** 1983 Jan;22(1):557-67

Current status of high dose progestin treatment in advanced breast cancer. Mattsson W. **Breast Cancer Res Treat** 1983; 3(2):231-5 (19 ref.)

A comparison of cyclophosphamide, adriamycin, and 5-fluorouracil (CAF) and cyclophosphamide, methotrexate, 5-fluorouracil, vincristine, and prednisone (CMFVP) in patients with advanced breast cancer. Smalley RV, et al. **Breast Cancer Res Treat** 1983;3(2):209-20

Colorectal cancer: chemotherapy as surgical adjuvant treatment. Moertel CG. **Bull Cancer (Paris)** 1983; 70(4):329-38

Status of adjuvant chemotherapy in patients with breast cancer. Ahmann DL. **Cancer** 1984 Feb 1;53(3 Suppl):724-8

Technetium-99m-labeled macroaggregated albumin arteriography for detection of abnormally positioned arterial catheters during infusion chemotherapy. Bledin AG, et al. **Cancer** 1984 Feb 15;53(4):858-62

Pharmacokinetic and pharmacodynamic basis for the treatment of metastatic breast cancer with high-dose medroxyprogesterone acetate. Blossey HC, et al. **Cancer** 1984 Sep 15;54(6 Suppl):1208-15

Dose-response relationship in clinical oncology. Gehan EA. **Cancer** 1984 Sep 15;54(6 Suppl):1204-7

Subclavian vein thrombosis in patients treated with infusion chemotherapy for advanced malignancy. Lokich JJ, et al. **Cancer** 1983 Nov 1;52(9):1586-9

Chemotherapy of advanced breast cancer. A general survey. Lyss AP, et al. **Cancer** 1984 Feb 1;53(3 Suppl):778-82

Regional chemotherapy of colorectal cancer metastatic to the liver. Niederhuber JE, et al. **Cancer** 1984 Mar 15; 53(6):1336-43

Transcatheter chemo-embolization effective for treating hepatocellular carcinoma. A histopathologic study. Sakurai M, et al. **Cancer** 1984 Aug 1;54(3):387-92

High-dose chemotherapy with autologous bone marrow transplantation. Spitzer G, et al. **Cancer** 1984 Sep 15;54(6 Suppl):1216-25

Amsacrine administration: a precautionary note [letter] Engelking C, et al. **Cancer Chemother Pharmacol** 1984; 13(2):150

Bladder cancer chemotherapy studies supported by the National Bladder Cancer Project. Friedell GH. **Cancer Chemother Pharmacol** 1983;11 Suppl:S13-5

Evaluation of anticancer drug schedule dependency using an in vitro human tumor clonogenic assay. Ludwig R, et al. **Cancer Chemother Pharmacol** 1984;12(3):135-41

Cooperative studies of chemoprophylaxis after transurethral resection of bladder tumors. Pavone-Macaluso M, et al. **Cancer Chemother Pharmacol** 1983;11 Suppl:S16-21

Sequential inhibition of polyamine synthesis. A phase I trial of DFMO (alpha-difluoromethylornithine) and methyl-GAG [methylglyoxal-bis(guanylhydrazone)]. Warrell RP Jr, et al. **Cancer Chemother Pharmacol** 1983; 11(2):134-6

Pharmacology of intraperitoneal chemotherapy. Myers CE, et al. **Cancer Invest** 1983;1(5):395-407 (58 ref.)

Augmentation of in vitro cytotoxicity and in vivo tumor-inhibition by combined use of lymphotoxin-containing supernatants and antitumor drugs. Matsunaga K, et al. **Cancer Lett** 1983 Aug;20(1):21-8

Phase I study of aziridinylbenzoquinone (AZQ, NSC 182986) in children with cancer. Tan CT, et al. **Cancer Res** 1984 Feb;44(2):831-5

Role of chemotherapy in small cell lung cancer: a consensus report of the International Association for the Study of Lung Cancer workshop. Aisner J, et al. **Cancer Treat Rep** 1983 Jan;67(1):37-43

Regional cancer chemotherapy. Ensminger WD, et al. **Cancer Treat Rep** 1984 Jan;68(1):101-15

Phase II study of JM8, a new platinum analog, in advanced ovarian carcinoma. Evans BD, et al. **Cancer Treat Rep** 1983

Nov;67(11):997–1000
Mitoxantrone hydrochloride in lymphoma. Coltman CA Jr, et al. **Cancer Treat Rev** 1983 Dec;10 Suppl B:73–6
Mitoxantrone in malignant lymphomas. Gams RA, et al. **Cancer Treat Rev** 1983 Dec;10 Suppl B:69–72
Preparation of and drug release from W/O/W type double emulsions containing anticancer agents. Fukushima S, et al. **Chem Pharm Bull (Tokyo)** 1983 Nov;31(11):4048–56
Improved therapy with cisplatin regimens for patients with ovarian carcinoma (FIGO III and IV) as measured by surgical end-staging (second-look surgery)—the mount sinai experience. Cohen CJ, et al. **Clin Obstet Gynaecol** 1983 Aug;10(2):307–24
Regional and systemic chemotherapy for advanced colorectal cancer. A review. Bedikian AY. **Dis Colon Rectum** 1983 May;26(5):327–32 (46 ref.)
Supralethal dose therapy for sensitive cancers. Kaizer H. **Eur J Cancer Clin Oncol** 1984 Jan;20(1):151–2
High-dose chemoradiotherapy and bone marrow transplantation in patients with refractory lymphoma. Tannir NM, et al. **Eur J Cancer Clin Oncol** 1983 Aug; 19(8):1091–6
High-dose depot-medroxyprogesterone acetate (DMPA) - effects on lipid and lipoprotein metabolism. Crona N, et al. **Eur J Obstet Gynecol Reprod Biol** 1983 Oct;16(2):97–105
Modification of the blood-brain barrier in the chemotherapy of malignant brain tumors. Neuwelt EA, et al. **Fed Proc** 1984 Feb;43(2):214–9
The potential for chemotherapy and hyperthermia. Bertino JR, et al. **Front Radiat Ther Oncol** 1984;18:162–70 (42 ref.)
A review of systemic hyperthermia. Bull JM. **Front Radiat Ther Oncol** 1984;18:171–6 (5 ref.)
Prostatic lymphoma. Mazza P, et al. **Haematologica (Pavia)** 1983 Nov-Dec;68(6):823–4
Long survival in two cases of acute myelogenous leukemia complicated by chronic active hepatitis. Rotoli B, et al. **Haematologica (Pavia)** 1983 Nov-Dec;68(6):797–804
Angiography, intraarterial embolization, and regional chemotherapy of tumors. Karakousis CP. **Int Adv Surg Oncol** 1984;7:113–40
Development of optimal drug administration strategies for cancer-chemotherapy in the framework of systems theory. Acharya RS, et al. **Int J Biomed Comput** 1984 Mar-Apr; 15(2):139–50
Phase I study of 4-demethoxydaunorubicin. Bonfante V, et al. **Invest New Drugs** 1983;1(2):161–8
Identification of synergistic combinations of spirogermanium with 5-fluorouracil or cisplatin using a range of human tumour cell lines in vitro. Hill BT, et al. **Invest New Drugs** 1984;2(1):29–33
Regional chemotherapy: application in hepatic metastases. Al-Jurf AS, et al. **Iowa Med** 1984 Feb;74(2):71–2, 74
In vivo antineoplastic activity of various biological response modifiers for tumors of the ovary and breast. Stratton JA, et al. **J Clin Lab Immunol** 1983 Aug;11(4):181–7
Implantable pumps—opportunities for improved therapy of malignant disease [editorial] Bertino JR. **J Clin Oncol** 1983 May;1(5):289
Adjuvant chemotherapy in osteogenic sarcoma: the triumph that isn't? [editorial] Carter SK. **J Clin Oncol** 1984 Mar; 2(3):147–8
Randomized trial of low- versus high-dose medroxyprogesterone acetate in the induction treatment of postmenopausal patients with advanced breast cancer. Cavalli F, et al. **J Clin Oncol** 1984 May;2(5):414–9
Pharmacologic rationale for regional drug delivery. Collins JM. **J Clin Oncol** 1984 May;2(5):498–504
Treatment of the carcinoid tumor and the malignant carcinoid syndrome. Moertel CG. **J Clin Oncol** 1983 Nov; 1(11):727–40 (46 ref.)
Phase I study of carboplatin given on a five-day intravenous schedule. Rozencweig M, et al. **J Clin Oncol** 1983 Oct; 1(10):621–6
Feasibility study of combining metronidazole with chemotherapy. Stewart DJ, et al. **J Clin Oncol** 1983 Jan; 1(1):17–23
Intraarterial administration of EOE-13 for the CT evaluation of hepatic artery infusion chemotherapy. Miller DL, et al. **J Comput Assist Tomogr** 1984 Apr;8(2):332–4
Selective delivery of cytotoxic compounds to cells by the LDL pathway. Firestone RA, et al. **J Med Chem** 1984 Aug;27(8):1037–43
Pharmacokinetics of intraventricular administration. Collins JM. **J Neurooncol** 1983;1(4):283–91
Desensitization of gonadotropin-releasing response following vaginal consecutive administration of leuprolide in rats. Okada H, et al. **J Pharmacobiodyn** 1983 Jul;6(7):512–22
The effect of combination of folic acid and anticancer drugs on the growth of sarcoma 180 in mice. Indap MA, et al. **J Postgrad Med** 1984 Jan;30(1):23–6
Treatment and follow-up of acute leukemia in children 1973–1982. Quah TC, et al. **J Singapore Paediatr Soc** 1983; 25(1–2):63–9
Selective effects of Lipiodolized antitumor agents. Kanematsu T, et al. **J Surg Oncol** 1984 Mar;25(3):218–26
Hodgkin disease clinical stages I, II, and III (A, B): results of radiotherapy with or without chemotherapy. Patricio MB, et al. **J Surg Oncol** 1983 Nov;24(3):236–41
Local chemotherapeutic effects in bladder cancer demonstrated by selective sampling and flow cytometry. Farsund T, et al. **J Urol** 1984 Jan;131(1):22–32
Does intravesical chemotherapy prevent invasive bladder cancer? Green DF, et al. **J Urol** 1984 Jan;131(1):33–5
A technique for continuous infusion into the mouse bladder. Guillery EN, et al. **J Urol** 1984 May;131(5):1005–7
Chemotherapy by bronchial arterial infusion for pulmonary metastases of renal cell carcinoma. Kakizoe T, et al. **J Urol** 1984 Jun;131(6):1053–5
New preoperative chemotherapy for bladder cancer using combination hemodialysis and direct hemoperfusion: preliminary report. Kamidono S, et al. **J Urol** 1984 Jan; 131(1):36–40
A totally implanted injection port system for blood sampling and chemotherapy administration. Gyves JW, et al. **JAMA** 1984 May 18;251(19):2538–41
Direct antitumor effect of the polysaccharide levan in mice: effects of drug concentration and time and temperature of incubation. Leibovici J, et al. **JNCI** 1984 Jun; 72(6):1417–20
Studies to increase the antitumor activity of 1-(tetrahydro-2-furanyl)-5-fluorouracil and its metabolic aspects by combined administration with L-cysteine. Kawabata N, et al. **Jpn J Pharmacol** 1983 Aug;33(4):735–47
Combination chemotherapy enhances survival of patients with unresectable gastric cancer. Kano T, et al. **Jpn J Surg** 1983 Sep;13(5):409–14
Refusal of further cancer chemotherapy due to antiemetic drug [letter] Casteels-Van Daele M, et al. **Lancet** 1984 Jan 7;1(8367):57
Role of massive chemotherapy and autologous bone-marrow transplantation in non-Hodgkin's malignant lymphoma. Philip T, et al. **Lancet** 1984 Feb 18;1(8373):391
New combination chemotherapy for relapsed acute myeloid leukaemia [letter] Worsley AM, et al. **Lancet** 1984 Jun 2; 1(8388):1232
Preoperative 'basal' chemotherapy in the management of cancer of the stomach. Stephens FO, et al. **Med J Aust** 1984 Feb 4;140(3):143–7
Multimodality treatment of malignant glioma. Effect of chemotherapy with ACNU and immunotherapy with N-CWS. Yoshida J, et al. **Neurol Med Chir (Tokyo)** 1984 Jan;24(1):19–26
A comparative study with COP and COP-Bleo combination chemotherapy in advanced (non-Hodgkin's) lymphomas. Kaku K, et al. **Nippon Ketsueki Gakkai Zasshi** 1983 Jul; 46(4):940–6
Families' responses to chemotherapy by an ambulatory infusion pump. Butler MC. **Nurs Clin North Am** 1984 Mar; 19(1):139–44
Early observations on the administration of Lonidamine in cancer patients. Barduagni A, et al. **Oncology** 1984;41 Suppl 1:78–81
Chemotherapy in the physician's office. Prager D. **Penn Med** 1984 Jul;87(7):50–2
Regional chemotherapy of neoplastic diseases. Ensminger WD, et al. **Pharmacol Ther** 1983;21(2):277–93 (125 ref.)
Quantitative cytokinetics: cellular response to cell cycle specific agents. Gray JW. **Pharmacol Ther** 1983; 22(2):163–97 (78 ref.)
Liposomes as drug carriers in cancer chemotherapy. Weinstein JN, et al. **Pharmacol Ther** 1984;24(2):207–33 (176 ref.)
Prognosis of acute lymphoblastic leukemia related to initial findings and treatment. Henze G, et al. **Prog Clin Biol Res** 1983;132D:445–9
Intravesical chemotherapy in the management of superficial bladder tumors. Schulman CC. **Prog Clin Biol Res** 1984; 153:275–85 (21 ref.)
Rationale for intensive intravesical chemotherapy. Soloway MS. **Prog Clin Biol Res** 1984;153:287–95 (15 ref.)
Use of technetium-99m macroaggregated albumin to evaluate the position and condition of totally implanted venous and arterial access devices. Lee RG, et al. **Radiology** 1984 Feb; 150(2):593–4
Vascular perfusion in cancer therapy. **Recent Results Cancer Res** 1983;86:1–295
The effect of dietary supplementation with gamma-linolenic acid on the growth of induced tumours in rats. Booyens J, et al. **S Afr Med J** 1984 Apr 21;65(16):660–1
An experimentally based safe method of administering intensive cancer chemotherapy. Prospects for increased survival in patients with 'solid' tumours during the next decade. Price LA, et al. **S Afr Med J** 1983 Dec 10; 64(25):987–94 (36 ref.)
The reversibility of cancer [letter] van der Merwe CF. **S Afr Med J** 1984 May 5;65(18):712
'The' magic in magic bullets [news] Kolata G. **Science** 1983 Oct 21;222(4621):310–2
Surgery and intravesical chemotherapy in the management of superficial bladder cancer. Soloway MS. **Semin Urol** 1983 Feb;1(1):23–33
Subcutaneous portal reservoir for chemotherapy of metastatic carcinoma of the liver. Akimaru K, et al. **Surg Gynecol Obstet** 1984 Jan;158(1):93–4
An improved technique for regional perfusion chemotherapy in the presence of a replaced right hepatic artery using a single implantable pump. Hughes KS, et al. **Surgery** 1984 Mar;95(3):355–7
Photoradiation therapy. Dougherty TJ. **Urology** 1984 Mar; 23(3 Suppl):61–4 (22 ref.)
Systemic therapy for superficial bladder cancer. Soloway MS. **Urology** 1984 Apr;23(4 Suppl):88–93
[Intra-arterial chemotherapy for malignant tumor of the oral and maxillofacial regions—an evaluation of its therapeutic effect in 500 cases] Wang DZ. **Chung Hua Kou Chiang Ko Tsa Chih** 1983 Jun;18(2):80–3 (Chi)
[Acute myeloid leukemia in pregnancy (letter)] Siegenbeek van Heukelom LH, et al. **Ned Tijdschr Geneeskd** 1983 Aug 20;127(34):1554 (Dut)
[Locoregional and systemic chemotherapy in the treatment of secondary cancers of the liver] Brun B. **Gastroenterol Clin Biol** 1984 Feb;8(2):126–34 (70 ref.) (Fre)
[Placement of catheters for intra-arterial chemotherapy. A new technic using balloon microcatheters] Reizine D, et al. **J Radiol** 1983 Aug-Sep;64(8–9):511–3 (Eng. Abstr.) (Fre)
[Use of an implantable system permitting permanent access to the vessels, peritoneum and meninges. Preliminary results in 17 cancer patients (letter)] Colbert N, et al. **Presse Med** 1984 Mar 31;13(14):887 (Fre)
[Non-Hodgkin's malignant lymphoma. Therapeutic value of autologous bone marrow transplantation] Gorin NC, et al. **Presse Med** 1983 Sep 10;12(31):1917–23 (Eng. Abstr.) (Fre)
[Cancer of the large intestine. Modern chemotherapy and complementary methods] Egger R. **Rev Med Suisse Romande** 1983 Nov;103(11):931–5 (Fre)
[Phase II study of AMSA in adults with acute therapy-refractory leukemias] Fiebig HH, et al. **Onkologie** 1983 Aug;6(4):188–90 (Eng. Abstr.) (Ger)
[Status of chemotherapy in inoperable non-small cell bronchial carcinoma] Brunner KW, et al. **Praxis** 1983 Aug 9;72(32):1057–62 (Eng. Abstr.) (Ger)
[Urinary enzyme excretion in cytostatic and radiotherapy of gynecologic neoplasms] Dreller E, et al. **Radiobiol Radiother (Berl)** 1983;24(3):345–52 (Eng. Abstr.) (Ger)
[Intensification of cytostatic action by radiosensitizers—a review of the present status of chemosensitization] Moldenhauer H, et al. **Radiobiol Radiother (Berl)** 1984; 25(2):289–95 (38 ref.) (Eng. Abstr.) (Ger)
[Clinical value of thrombocyte aggregation inhibitors during massive-dose estrogen therapy] Heinz A, et al. **Urologe [Ausg A]** 1984 May;23(3):178–80 (Eng. Abstr.) (Ger)
[Cytostatic therapy of prostatic carcinoma. Current status and personal results] Nagel R, et al. **Urologe [Ausg A]** 1983 Sep;22 Suppl:304–9 (Eng. Abstr.) (Ger)
[Chemotherapy of bladder tumors. Indications and value of loco-regional and systemic application] Pavone-Macaluso M. **Urologe [Ausg A]** 1983 Sep;22 Suppl:325–31 (Eng. Abstr.) (Ger)
[New results of the treatment of metastasized testicular tumors in early and late stages] Seeber S, et al. **Urologe [Ausg A]** 1983 Sep;22 Suppl:393 (Ger)
[Percutaneous implantation technic for a permanent venous access system to the superior vena cava] Sterz H, et al. **Wien Med Wochenschr** 1984 Apr 15;134(7):171–2 (Eng. Abstr.) (Ger)
[Autologous bone marrow transplantation without cryopreservation after megadoses of oncolytic chemotherapy. Pilot study in 18 cases] Carella AM, et al. **Haematologica (Pavia)** 1983 Sep-Oct;68(5):620–37 (56 ref.) (Eng. Abstr.) (Ita)
[Antiblastic chemotherapy in esophageal cancer] Cartei G. **Radiol Med (Torino)** 1983 Jul-Aug;69(7–8):597–600 (Ita)
[Alteration of blood coagulation and fibrinolysis after intra-arterial one-shot chemotherapy in liver cancer] Suyama Y, et al. **Gan No Rinsho** 1983 Aug;29(9):962–5 (Eng. Abstr.) (Jpn)
[Concept of therapeutic ratio by combination of radiotherapy and chemotherapy] Tanaka Y. **Gan No Rinsho** 1983 Oct; 29(13):1579–83 (Eng. Abstr.) (Jpn)
[A randomized controlled study on vindesine and vincristine in combination with prednisolone in the treatment of adult acute lymphocytic leukemia and blastic crisis of chronic myeloid leukemia] **Gan To Kagaku Ryoho** 1983 Dec; 10(12):2500–8 (Eng. Abstr.) (Jpn)
[Balloon occluded arterial infusion therapy for malignant hepatic tumors] Kawabata M, et al. **Gan To Kagaku Ryoho** 1984 Apr;11(4):806–13 (Eng. Abstr.) (Jpn)
[Increased cytotoxic effects of various anticancer drugs by alpha-interferon (IFLBI) on human tumor xenografts in nude mice] Nosoh Y, et al. **Gan To Kagaku Ryoho** 1984 Aug;11(8):1623–8 (Eng. Abstr.) (Jpn)
[Effect of 7-N-(P-hydroxyphenyl)-mitomycin C (KW-2083) against pleuritis carcinomatosa] Shimizu E, et al. **Gan To Kagaku Ryoho** 1984 Jun;11(6):1290–5 (Eng. Abstr.) (Jpn)
[The theory and practice of chemotherapy by arterial infusion—the importance of pharmacokinetic research] Taguchi T. **Gan To Kagaku Ryoho** 1984 Sep;11(9):1717–28 (60 ref.) (Eng. Abstr.) (Jpn)
[Thermochemotherapy for malignant melanoma—combination therapy of ACNU and hyperthermia in mice] Yamada K, et al. **Gan To Kagaku Ryoho** 1983 Oct;10(10):2179–87 (Eng. Abstr.) (Jpn)
[Clinical effect of UFT on urogenital tumors] Masuda F, et al. **Hinyokika Kiyo** 1984 Jan;30(1):81–5 (Eng. Abstr.) (Jpn)
[Comparative evaluation of combined chemotherapeutic regimens in acute non-lymphocytic leukemia] Sasaki H,

et al. **Hokkaido Igaku Zasshi** 1983 May;58(3):271–8 (Eng. Abstr.) **(Jpn)**

[Pharmacokinetics study of UFT in malignant brain tumor patients] Harada K, et al. **Neurol Med Chir (Tokyo)** 1983 Aug;23(8):619–24 (Eng. Abstr.) **(Jpn)**

[Treatment schedule of combination using radiation and ACNU in the experimental brain tumors] Kaneko S, et al. **Neurol Med Chir (Tokyo)** 1983 Nov;23(11):849–55 (Eng. Abstr.) **(Jpn)**

[Effect of intracavitary administration of an anticancer agent with glucocorticoid on cancer patients complicated with malignant effusion] Takahashi M, et al. **Nippon Gan Chiryo Gakkai Shi** 1983 Jun 20;18(4):881–8 (Eng. Abstr.) **(Jpn)**

[Management of postoperative cervical cancer patients classified according to the risk for recurrence, and the effect of surgical adjuvant chemotherapy on the high risk group] Ueki M, et al. **Nippon Gan Chiryo Gakkai Shi** 1983 Jun 20;18(4):927–39 (Eng. Abstr.) **(Jpn)**

[Leukocyte migration inhibition (LMI) of murine spleen cells after immunization with tumor cells, and an experimental study with LMI in combination therapy with a non-specific immunostimulant and a chemotherapeutic agent] Umeda T, et al. **Nippon Geka Gakkai Zasshi** 1984 Mar;85(3):206–17 (Eng. Abstr.) **(Jpn)**

[Thermochemotherapy for malignant melanoma—combined therapy of anti-tumor agents and hyperthermia in mice] Yamada K, et al. **Nippon Hifuka Gakkai Zasshi** 1984 Jan; 94(1):1–14 **(Jpn)**

[Radiotherapy in combination with misonidazole and ACNU in lung neoplasms] Asakura H, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1983 Nov 25; 43(11):1295–306 (Eng. Abstr.) **(Jpn)**

[Chemotherapy of malignant gynecological tumor—arterial infusion and biological response modifiers(BRM)] Fujiwara S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1983 Nov; 35(11):2025–30 **(Jpn)**

[High dose ACNU and radiation therapy with autologous bone marrow rescue for a patient with cerebellar medulloblastoma: case report] Matsumoto M, et al. **No Shinkei Geka** 1984 May;12(6):731–6 (Eng. Abstr.) **(Jpn)**

[High-dose chemotherapy with autologous bone marrow transplantation for malignant brain tumors] Shibui S, et al. **No Shinkei Geka** 1983 Jul;11(7):723–9 (Eng. Abstr.) **(Jpn)**

[Combination chemotherapy for advanced diffuse non-Hodgkin's lymphomas in relapse following local radiotherapy] Sampi K, et al. **Rinsho Hoshasen** 1983 Jun; 28(6):673–7 (Eng. Abstr.) **(Jpn)**

[Results of the use of chlormadinone and farlutal depot in hormonal therapy of uterine cancer] Witczak-Ploch E. **Nowotwory** 1983 Apr–Jun;33(2):129–38 (Eng. Abstr.) **(Pol)**

[Effect of treatment with encorton and cytostatics on cellular immunity in patients with systemic lupus erythematosus] Maldykowa H, et al. **Reumatologia** 1982;20(3–4):137–42 (Eng. Abstr.) **(Pol)**

[Maintenance treatment in non-Hodgkin's malignant lymphoma] Geib KR, et al. **Rev Med Interna [Med Interna]** 1983 Sep–Oct; 35(5):397–402 (10 ref.) **(Rum)**

[Relation of the survival of mouse hematopoietic stem cells to the interval between periodic injections of hydroxyurea] Dibrov BF, et al. **Biull Eksp Biol Med** 1984 Mar; 97(3):345–7 (Eng. Abstr.) **(Rus)**

[Many-year remission in children with lymphoblastic leukemia after short-term polychemotherapy] Arkavina EA, et al. **Gematol Transfuziol** 1983 Jul;28(7):56–7 **(Rus)**

[Blood and Fallopian tube bacteriostatic activity in tuberculosis of the female genital organs] Kolachevskaia EN, et al. **Probl Tuberk** 1984 Feb;(2):64–6 (Eng. Abstr.) **(Rus)**

[2 cases of successful treatment of gastric lymphoma by means of polychemotherapy] Borisov VI, et al. **Sov Med** 1984;(3):118–9 **(Rus)**

[Lymphatic system changes after the endolymphatic administration of an oil-based solution of dibunol] Anan'ev VG, et al. **Vopr Onkol** 1984;30(5):63–7 (Eng. Abstr.) **(Rus)**

[The effect of various factors on the results of chemotherapy in patients with recurrent ovarian serous cystadenocarcinoma] Dzhilavian GA, et al. **Vopr Onkol** 1984;30(3):16–21 (Eng. Abstr.) **(Rus)**

[Efficacy of mono- and polychemotherapy in patients with advanced ovarian cancer] Khasanova DT, et al. **Vopr Onkol** 1984;30(3):67–71 (Eng. Abstr.) **(Rus)**

[Potentiation of the antitumor activity of dioxadet by antiestrogen para-aminobenzhydrazide in a model of ovarian ascites tumor] Tret'iakov AV, et al. **Vopr Onkol** 1983;29(12):66–8 (Eng. Abstr.) **(Rus)**

[Magnetically controlled drugs. Theoretical and experimental substantiation (review of the literature)] Ternovoĭ KS, et al. **Vrach Delo** 1984 Jun;(6):13–8 **(Rus)**

[Chemotherapy of advanced head and neck tumors. Experience with various therapeutic schemes] Mañós M, et al. **An Otorrinolaringol Ibero Am** 1983;10(4):353–67 (Eng. Abstr.) **(Spa)**

[Chemotherapy of malignant tumors by arterial approach] Escó Barón R. **Rev Med Univ Navarra** 1983 Mar;27(1):9–20 **(Spa)**

[Preliminary experience of selective intra-arterial chemotherapy of locally advanced malignant tumors] Pardo S, et al. **Rev Med Univ Navarra** 1983 Mar;27(1):21–3 **(Spa)**

[Implantable infusion pump for continuous regional cytostatic treatment] Lindholmer C. **Lakartidningen** 1983 Nov 30; 80(48):4675–7 **(Swe)**

ADVERSE EFFECTS

Liver damage in nurses handling cytostatic agents. Sotaniemi EA, et al. **Acta Med Scand** 1983;214(3):181–9

Hypnotic desensitization for the management of anticipatory emesis in chemotherapy. Hoffman ML. **Am J Clin Hypn** 1982 Oct–1983 Jan;25(2–3):173–6

Controlling chemotherapy side effects. Redd WH, et al. **Am J Clin Hypn** 1982 Oct–1983 Jan;25(2–3):161–72

Legal issues associated with the handling of cytotoxic drugs. Provost GJ. **Am J Hosp Pharm** 1984 Jun;41(6):1115–21

A prospective assessment of chemotherapy-related nausea and vomiting in children with cancer. Zeltzer LK, et al. **Am J Pediatr Hematol Oncol** 1984 Spring;6(1):5–16

Risks in antiemesis using dexamethasone [letter] **Ann Intern Med** 1984 Aug;101(2):281

Metoclopramide and chemotherapy-induced emesis [letter] Meyer BR, et al. **Ann Intern Med** 1984 Jul;101(1):141–2

A rat model for chemotherapy-induced male infertility. Gould SF, et al. **Arch Androl** 1983 Oct;11(2):141–50

Recent advances in the pharmacologic and behavioral management of chemotherapy-induced emesis. Stoudemire A, et al. **Arch Intern Med** 1984 May;144(5):1029–33 (37 ref.)

Occupational handling of cytostatic drugs. Kolmodin-Hedman B, et al. **Arch Toxicol** 1983 Sep; 54(1):25–33

Chemotherapy related leukemogenesis. Meytes D, et al. **Arch Toxicol [Suppl]** 1983;6:13–20

Oral mucosal complications in cancer chemotherapy. Barrett AP. **Aust NZ J Med** 1984 Feb;14(1):7–12

Renal complications of cytotoxic therapy. Healy HG, et al. **Aust NZ J Med** 1983 Oct;13(5):531–9

Pregnancy after cytotoxic chemotherapy for gestational trophoblastic tumours. Rustin GJ, et al. **Br Med J [Clin Res]** 1984 Jan 14;288(6411):103–6

The problem of nausea and vomiting in modern cancer chemotherapy. Durant JR. **CA** 1984 Jan–Feb;34(1):2–6

Incidence of thrombocytopenia and serious hemorrhage among patients with solid tumors. Dutcher JP, et al. **Cancer** 1984 Feb 1;53(3):557–62

Acute nonlymphocytic leukemia, preleukemia, and acute myeloproliferative syndrome secondary to treatment of other malignant diseases. II. Bone marrow cytology, cytogenetics, results of HLA typing, response to antileukemic chemotherapy, and survival in a total series of 55 patients. Pedersen-Bjergaard J, et al. **Cancer** 1984 Aug 1;54(3):452–62

Intravenous metoclopramide: prevention of chemotherapy-induced nausea and vomiting. A preliminary evaluation. Strum SB, et al. **Cancer** 1984 Mar 15;53(6):1432–9

The carcinogenic potential of cytotoxic chemotherapy and its implications for therapeutic decision-making. Carter SK. **Cancer Chemother Pharmacol** 1984;12(2):67–9

Randomized crossover study of the antiemetic activity of levonantradol and metoclopramide in cancer patients receiving chemotherapy. Heim ME, et al. **Cancer Chemother Pharmacol** 1984;13(2):123–5

The efficiency of protective gloves used in the handling of cytotoxic drugs. Slevin ML, et al. **Cancer Chemother Pharmacol** 1984;12(3):151–3

Chromosome analysis of 63 cases of secondary nonlymphoid blood disorders: a cooperative study. Groupe Francais de Cytogénétique Hématologique. **Cancer Genet Cytogenet** 1984 Jun;12(2):95–104

Fourth International Workshop on Chromosomes in Leukemia 1982: Secondary leukemias associated with neoplasia: treated and untreated. Sandberg AA, et al. **Cancer Genet Cytogenet** 1984 Mar;11(3):319–21

Complications of treatment of small cell carcinoma of the lung. Abeloff MD, et al. **Cancer Treat Rep** 1983 Jan; 67(1):21–6

Pulmonary toxicity associated with spirogermanium. Dixon C, et al. **Cancer Treat Rep** 1984 Jun;68(6):907–8

Antiemetic therapy: a review of recent studies and a report of a random assignment trial comparing metoclopramide with delta-9-tetrahydrocannabinol. Gralla RJ, et al. **Cancer Treat Rep** 1984 Jan;68(1):163–72

Treatment of chemotherapy extravasation: current status. Harwood KV, et al. **Cancer Treat Rep** 1984 Jul–Aug; 68(7–8):939–45 (30 ref.)

Administration of gallium nitrate by continuous infusion: lack of chronic nephrotoxicity confirmed by studies of enzymuria and beta 2-microglobulinuria. Leyland-Jones B, et al. **Cancer Treat Rep** 1983 Oct;67(10):941–2

Acute leukemia developing after intensive chemotherapy for small cell cancer of the lung [letter] Mukherji B, et al. **Cancer Treat Rep** 1983 Jan;67(1):100–1

Amplified pulmonary metastases of a rat rhabdomyosarcoma in response to nitrosourea treatment. Poupon MF, et al. **Cancer Treat Rep** 1984 May;68(5):749–58

QT interval prolongation and cardiac dysrhythmia in a patient receiving amsacrine. Schwartz CL, et al. **Cancer Treat Rep** 1984 Jul–Aug;68(7–8):1043–4

Amsacrine cardiotoxicity: assessment of ventricular function by radionuclide angiography. Vorobiof DA, et al. **Cancer Treat Rep** 1983 Dec;67(12):1115–7

Clinical safety and tolerance of mitoxantrone (Novantrone). Crossley RJ. **Cancer Treat Rev** 1983 Dec;10 Suppl B:29–36

Chemotherapeutic agents and the erythron. Doll DC, et al. **Cancer Treat Rev** 1983 Sep;10(3):185–200 (150 ref.)

Carcinogenicity of antineoplastic agents in man. Rieche K. **Cancer Treat Rev** 1984 Mar;11(1):39–67 (254 ref.)

Disorders of the endocrine system due to radiation and cytotoxic chemotherapy. Shalet SM. **Clin Endocrinol (Oxf)** 1983 Nov;19(5):637–59 (134 ref.)

Hypocalcaemia—an unusual complication of successful chemotherapy for metastatic breast cancer. Grieve RJ, et al. **Clin Oncol** 1983 Dec;9(4):337–42

Cancer chemotherapy and contraceptive counseling. Parrish RH 2d. **Drug Intell Clin Pharm** 1984 Jan;18(1):71–2

Nabilone and high-dose metoclopramide: anti-emetics for cancer chemotherapy. **Drug Ther Bull** 1984 Feb 10; 22(3):9–11

A randomised multicentre single blind comparison of a cannabinoid anti-emetic (levonantradol) with chlorpromazine in patients receiving their first cytotoxic chemotherapy. Hutcheon AW, et al. **Eur J Cancer Clin Oncol** 1983 Aug;19(8):1087–90

Clostridium difficile colitis associated with the use of antineoplastic agents. Miller SD, et al. **Eur J Clin Microbiol** 1984 Feb;3(1):10–3

Continuous infusion of high-dose metoclopramide for the prevention of nausea and vomiting in patients receiving cancer chemotherapy. Joss RA, et al. **Eur J Clin Pharmacol** 1983;25(1):35–9

The Franz Buschke lecture: late effects of chemotherapy and radiation therapy: a new hypothesis. Rubin P. **Int J Radiat Oncol Biol Phys** 1984 Jan;10(1):5–34 (164 ref.)

Vitamins – cytotoxic drug interaction. Basu TK. **Int Z Vitam Ernahrungsforsch [Beih]** 1983;24:225–33

Prospective study of left ventricular function using radionuclide scans in patients receiving mitoxantrone. Aapro MS, et al. **Invest New Drugs** 1983;1(4):341–7

Alleviation of chemotherapy induced emesis by oral lorazepam and domperidone. Warde P, et al. **Ir J Med Sci** 1983 Sep;152(9):336–8

Behavioral intervention for reducing chemotherapy-related nausea and vomiting in adolescents with cancer. Lebaron S, et al. **J Adolesc Health Care** 1984 Jul;5(3):178–82

Cutaneous complications of chemotherapeutic agents. Bronner AK, et al. **J Am Acad Dermatol** 1983 Nov; 9(5):645–63

Effects of chemotherapeutic agents on bone. I. Short-term methotrexate and doxorubicin (adriamycin) treatment in a rat model. Friedlaender GE, et al. **J Bone Joint Surg [Am]** 1984 Apr;66(4):602–7

Recovery of spermatogenesis after treatment for Hodgkin's disease: limiting dose of MOPP chemotherapy. da Cunha MF, et al. **J Clin Oncol** 1984 Jun;2(6):571–7

Patterns of hematologic toxicities from anticancer drugs [letter] Muggia FM. **J Clin Oncol** 1983 Nov;1(11):741

Effective chemotherapy of acute myelocytic leukemia occurring after alkylating agent or radiation therapy for prior malignancy. Vaughan WP, et al. **J Clin Oncol** 1983 Mar;1(3):204–7

Cryptosporidiosis and anticancer chemotherapy [letter] Oh SH, et al. **J Pediatr** 1984 Jun;104(6):963–4

Side effects of metoclopramide as an antiemetic in childhood cancer chemotherapy. Terrin BN, et al. **J Pediatr** 1984 Jan; 104(1):138–40

Quality of life after cytotoxic chemotherapy: discussion paper. Priestman TJ. **J R Soc Med** 1984 Jun;77(6):492–5

Urinary tract toxic effects of cancer therapy. Goldberg ID, et al. **J Urol** 1984 Jul;132(1):1–6 (68 ref.)

Chemotherapy and its effect on testicular morphology in children. Hensle TW, et al. **J Urol** 1984 Jun;131(6):1142–4

Risk of leukemia associated with the first course of cancer treatment: an analysis of the Surveillance, Epidemiology, and End Results Program experience. Curtis RE, et al. **JNCI** 1984 Mar;72(3):531–44

Drugs that can cause cancer [editorial] **Lancet** 1984 Feb 4; 1(8371):261–2

How real is the hazard? [editorial] **Lancet** 1984 Jan 28; 1(8370):203

Susceptibility to motion sickness and chemotherapy-induced side-effects [letter] Morrow GR. **Lancet** 1984 Feb 18; 1(8373):390–1

Cardiotoxicity associated with mitoxantrone [letter] Stuart-Harris R, et al. **Lancet** 1984 Jul 28;2(8396):219–20

No elevation of the frequencies of chromosomal alterations as a consequence of handling cytostatic drugs. Analyses with peripheral blood and urine of hospital personnel. Stiller A, et al. **Mutat Res** 1983 Sep;121(3–4):253–9

Selective alopecia with mitoxantrone [letter] Arlin ZA, et al. **N Engl J Med** 1984 May 31;310(22):1464

Leukemia after cytotoxic chemotherapy—a pyrrhic victory? [editorial] Calabresi P. **N Engl J Med** 1983 Nov 3; 309(18):1118–9

Antiemetic efficacy of dexamethasone. Randomized, double-blind, crossover study with prochlorperazine in patients receiving cancer chemotherapy. Markman M, et al. **N Engl J Med** 1984 Aug 30;311(9):549–52

Cranial computed tomography of 64 children in continuous complete remission of leukemia II: relations to patient data and neurological complications. Stephani U, et al. **Neuropediatrics** 1983 Aug;14(3):149–54

Electroencephalographic findings in children treated with cytotoxic agents. Schäffler L, et al. **Neuropsychobiology** 1984;11(1):65–71

Acute leukemia following chemotherapy and radiation therapy—a report of 15 cases. Brenner B, et al. **Oncology** 1984;41(2):83–7

The problem of permanent bone marrow damage after cytotoxic drug treatment. Lohrmann HP. **Oncology** 1984; 41(3):180–4 (33 ref.)

Improved tolerance of cytotoxic chemotherapy with lorazepam. A pilot study. Mughal TI. **Oncology** 1983; 40(6):392–4

Opportunistic toxoplasmic retinochoroiditis following chemotherapy for systemic lymphoma. A light and electron microscopic study. Yeo JH, et al. **Ophthalmology (Rochester)** 1983 Aug;90(8):885–98

Dental and maxillofacial abnormalities in long-term survivors of childhood cancer: effects of treatment with chemotherapy and radiation to the head and neck. Jaffe N, et al. **Pediatrics** 1984 Jun;73(6):816–23

Oral complications of cancer chemotherapy. Dreizen S, et al. **Postgrad Med** 1975 Aug;58(2):75–82

Control of nausea and vomiting in chemotherapy patients. Four effective behavioral methods. Redd WH. **Postgrad Med** 1984 Apr;75(5):105–7, 110–3

Second malignancies and chemotherapeutic agents. Kyle RA. **Prog Clin Biol Res** 1983;132E:45–54

Safe handling of cytotoxic drugs in hospitals. Stolar MH, et al. **QRB** 1984 Jul;10(7):209–13

Measuring informational intervention for chemotherapy knowledge and self-care behavior. Dodd MJ. **Res Nurs Health** 1984 Mar;7(1):43–50

Chromosome aberrations in lymphocytes of nurses handling cytostatic agents. Nikula E, et al. **Scand J Work Environ Health** 1984 Apr;10(2):71–4

Late complications after marrow transplantation. Sullivan KM, et al. **Semin Hematol** 1984 Jan;21(1):53–63 (94 ref.)

Chemotherapy and wound healing. Falcone RE, et al. **Surg Clin North Am** 1984 Aug;64(4):779–94 (92 ref.)

Intestinal and liver toxicity of antineoplastic drugs. McDonald GB, et al. **West J Med** 1984 Feb;140(2):250–9 (177 ref.)

How much toxicity is necessary? [editorial] Schein PS. **West J Med** 1984 Feb;140(2):276–7

[Combined traditional Chinese and western medicine in the treatment of serious side effects of chemotherapy of malignant mole and choriocarcinoma—a report of 15 cases] Fu XS. **Chung Hsi I Chieh Ho Tsa Chih** 1983 May; 3(3):159–60 (Eng. Abstr.) (Chi)

[Changes in chromosomes of peripheral lymphocytes in trophoblastic diseases following chemotherapy] Bian ML. **Chung Hua Fu Chan Ko Tsa Chih** 1983 Oct;18(4):232–4 (Eng. Abstr.) (Chi)

[Post-anesthetic hepatitis. The role of halothane and antimitotic combinations] Gounot R, et al. **Ann Fr Anesth Reanim** 1984;3(3):212–5 (Eng. Abstr.) (Fre)

[Nephrotoxicity of antitumor chemotherapy] Cordonnier D, et al. **Presse Med** 1984 Apr 28;13(18):1141–5 (Eng. Abstr.) (Fre)

[Renal toxicity of 9-hydroxy-2-methylellipticinium (letter)] Ryckelynck JP, et al. **Presse Med** 1984 Jan 21;13(2):104 (Fre)

[Side effects of chemotherapy, their prevention and their treatment] Vanderhoven P. **Rev Med Liege** 1984 Feb 1; 39(3):116–21 (Fre)

[Changes in the mean corpuscular volume during the cytotoxic treatment of cancer and risk of secondary leukemia. Preliminary results] de Gramont A, et al. **Sem Hop Paris** 1984 Mar 29;60(14):961–6 (Eng. Abstr.) (Fre)

[Respiratory complications of antineoplastic chemotherapy] Hugues FC, et al. **Therapie** 1983 Mar–Apr;38(2):135–41 (36 ref.) (Eng. Abstr.) (Fre)

[Dose–response relationship of intravenous administration of benzquinamide hydrochloride for suppression of cytostatic-induced emesis] Nietsch P. **Arzneimittelforsch** 1983;33(12):1694–5 (Eng. Abstr.) (Ger)

[Reduction of the incidence of infection in polychemotherapy-treated metastatic testicular tumors using immunoglobulins] Hartlapp JH, et al. **Beitr Infusionther Klinis Ernahr** 1983;11:69–72 (Ger)

[New aspects in the antiemetic therapy of cytostatic drug-induced vomiting] Hiller E, et al. **Klin Wochenschr** 1984 May 15;62(10):441–5 (Eng. Abstr.) (Ger)

[Prevention of cytostatic-induced vomiting. High-dosage metoclopramide versus an antiemetic combination in a controlled comparison] Ell C, et al. **Med Welt** 1983 Sep 2;34(35):945–8 (Ger)

[Gestagen therapy of breast cancer. Effect of high doses on the blood coagulation system] Schenk H, et al. **MMW** 1983 Oct 7;125(40):875–6 (Ger)

[Lung scintigraphy after tumor therapy in childhood] Metz O, et al. **Monatsschr Kinderheilkd** 1983 Sep;131(9):577–81 (Eng. Abstr.) (Ger)

[Pharmaceutical, pharmacokinetic and dynamic interactions in tumor drug therapy] Illiger HJ, et al. **Onkologie** 1984 Feb;7 Suppl 1:10–8 (Eng. Abstr.) (Ger)

[Nausea and vomiting in tumor patients] Joss R, et al. **Praxis** 1983 Nov 1;72(44):1391–6 (Eng. Abstr.) (Ger)

[Cytostatic-induced hair loss. Prevention or hair replacement?] Kiser J, et al. **Praxis** 1983 Oct 11; 72(41):1289–92 (Eng. Abstr.) (Ger)

[Drug side effects in antineoplastic and immunosuppressive cytostatic therapy] Hambsch K, et al. **Z Gesamte Inn Med** 1984 Jan 1;39(1):7–14 (Eng. Abstr.) (Ger)

[Prevention of alopecia caused by anti-mitotic agents] Abbasciano V. **Clin Ter** 1983 Dec 15;107(5):411–5 (Eng. Abstr.) (Ita)

[Asymptomatic electrocardiographic abnormalities during antiblastic chemotherapy] Bottoni P, et al. **Minerva Med** 1983 Oct 6;74(38):2211–8 (Eng. Abstr.) (Ita)

[Antineoplastic agents and pregnancy] Grella P, et al. **Minerva Med** 1984 Jun 30;75(27):1643–9 (Eng. Abstr.) (Ita)

[Prophylactic antiemetic treatment for cancer chemotherapy—comparison of domperidone and chlorpromazine] Araki Y, et al. **Gan To Kagaku Ryoho** 1983 Nov;10(11):2335–40 (Eng. Abstr.) (Jpn)

[Chemotherapy for ovarian cancer—drug selection and induced acute leukemia] Izumi R, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Feb;36(2):311–6 (Jpn)

[A case of fulminant hepatitis developing in a HBsAG carrier after chemotherapy of malignant lymphoma] Hanta T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Apr; 81(4):1089–93 (Jpn)

[Extravasal injection of cytostatics. Special reference to adriamiycin] Saeter G, et al. **Tidsskr Nor Laegeforen** 1983 Nov 30;103(33):2260–2 (Eng. Abstr.) (Nor)

[Hematologic side effects of cancer chemotherapy. General characteristics and principles of management] Jedrzejczak WW. **Pol Arch Med Wewn** 1984 Feb;71(2):65–70 (Pol)

[Prevention of hair loss during cancer chemotherapy] Jarczewska M, et al. **Pol Tyg Lek** 1984 Feb 6;39(6):205–6 (Pol)

[Heart damage after treatment of neoplasms with cytostatics] Wilk J. **Pol Tyg Lek** 1983 Jul 4;38(27):853–5 (34 ref.) (Pol)

[Nephrotoxic effect of antineoplastic drugs] Robak T, et al. **Przegl Lek** 1983;40(11):807–11 (29 ref.) (Pol)

[High-altitude hypoxia as a factor in the treatment of radiation and cytostatic lymphopenia in oncological patients] Kulish OP, et al. **Gematol Transfuziol** 1984; 29(5):40–2 (Eng. Abstr.) (Rus)

[Drug-induced lesions of the stomach and duodenum] Petrovskiĭ VS, et al. **Sov Med** 1984;(3):112–3 (Rus)

[Emesis due to cytostatic drugs. Update and review of our experiences] Chacón RD, et al. **Medicina (B Aires)** 1983; 43(6 Pt 1):713–20 (Spa)

[Testicular damage caused by chemotherapy in acute lymphoblastic leukemia] Pasqualini T. **Medicina (B Aires)** 1983;43(5):579–86 (Spa)

[Bleomycin and anesthesia] Galván R, et al. **Rev Esp Anestesiol Reanim** 1984 Jan–Feb;31(1):34–5 (Spa)

[Ultrastructure of the liver in patients with acute leukemia and hepatic dysfunction] Avilés Miranda A, et al. **Rev Gastroenterol Mex** 1983 Oct–Dec;48(4):179–82 (Eng. Abstr.) (Spa)

ANALYSIS

An enzymatic kinetic method for the determination of 2'-deoxycoformycin in biological fluids. Staubus AE, et al. **Biochem Pharmacol** 1984 May 15;33(10):1633–7

Molecular species of plant phosphatidylinositol with selective cytotoxicity towards tumor cells. Myher JJ, et al. **Biochim Biophys Acta** 1984 Aug 15;795(1):85–90

Structure–antitumor activity relationship of a D-manno-D-glucan from Microellobosporia grisea: effect of periodate modification on antitumor activity. Inoue K, et al. **Carbohydr Res** 1983 Nov 25;123(2):305–14

Chromatographic characterization of in vitro metabolites of 5-[2-(N,N-dimethylamino)ethoxy]-7-oxo-7H-benzo[c]flu Kvasničková E, et al. **J Chromatogr** 1984 Jul 6;295(1):201–9

The physico-chemical properties of cancer-suppressive factor. Cui TY, et al. **Sci Sin [B]** 1984 May;27(5):494–500

[Properties of cancer-inhibition factor and its relation to cyclic AMP] Zhao YL. **Chung Hua Chung Liu Tsa Chih** 1984 Mar;6(2):90–2 (Eng. Abstr.) (Chi)

[Antitumor activity and immunostimulating effect of culture filtrate of a marine bacterium, Vibrio anguillarum, in mice] Shimizu T, et al. **Yakugaku Zasshi** 1983 Jul;103(7):761–5 (Eng. Abstr.) (Jpn)

[Crystal and molecular structure of ftorbenzotef (N-para-fluorobenzoyl-N',N',N',N'-diethylene triamide of phosphoric acid)] Rebrova ON, et al. **Dokl Akad Nauk SSSR** 1984;274(2):328–32 (Rus)

ANTAGONISTS & INHIBITORS

[No effect of particular r-RNA fragments on cytostatic-induced myelosuppression in a rat transplanted tumor model] Berger M, et al. **Arzneimittelforsch** 1983; 33(10):1477–8 (Eng. Abstr.) (Ger)

BLOOD

Determination of 1-(2-chloroethyl)-3-(2,6-dioxo-3-piperidyl)-1-nitrosoure in plasma by negative chemical ionization mass spectrometry. Smith RG, et al. **Biomed Mass Spectrom** 1983 Jul;10(7):404–7

Is it necessary to measure plasma levels of anticancer drugs? Garattini S. **Biomed Pharmacother** 1983;37(5):209–10

Quantification of tiazofurin in plasma by high-performance liquid chromatography. Klecker RW Jr, et al. **J Chromatogr** 1984 May 11;307(2):361–9

Pharmacokinetics of intra-arterial chemotherapy. Stephens FO. **Recent Results Cancer Res** 1983;86:1–12

[Gas-liquid chromatographic assay of a new antineoplastic agent, 1,3,3,5,5-pentakis-(azaridino)lambda 6-2,4,6,3 lambda 5, 5 lambda 5-thiatriazadiphosphorine-1-oxide. Application to pharmacokinetic studies] Enger A, et al. **J Chromatogr** 1984 Feb 10;305(2):335–44 (Eng. Abstr.) (Fre)

CEREBROSPINAL FLUID

Cerebrospinal fluid pharmacokinetics of intraventricular and intravenous aziridinylbenzoquinone. Zimm S, et al. **Cancer Res** 1984 Apr;44(4):1698–701

CHEMICAL SYNTHESIS

Investigation of the antitumor activity of new epoxide derivatives. Part I: s-Triazinetrione derivatives. Fischer H, et al. **Arzneimittelforsch** 1984;34(5):543–7

2-Acetylpyridine thiosemicarbazones. 6.2-Acetylpyridine and 2-butyrylpyridine thiosemicarbazones as antileukemic agents. Klayman DL, et al. **Arzneimittelforsch** 1983; 33(7):909–12

Synthesis, antitumor activity, and DNA binding properties of a new derivative of amsacrine, N-5-dimethyl-9-[(2-methoxy-4-methylsulfonylamino) phenylamino]-4-acridinecarboxamide. Baguley BC, et al. **Cancer Res** 1984 Aug;44(8):3245–51

Synthesis and biological activities of N-acetyl-1-thiomuramoyl-L-alanyl-D-isoglutamine and some of its lipophilic derivatives. Hasegawa A, et al. **Carbohydr Res** 1983 Nov 25;123(2):183–99

S-, N-, and O-glycosyl derivatives of 2-acetamido-2-deoxy-D-glucose with hydrophobic aglycons as potential chemotherapeutic agents and N-acetyl-beta-D-glucosaminidase inhibitors. Paul B, et al. **Carbohydr Res** 1984 Mar 1;126(1):27–43

Action mechanism of anti-AH13 activity of 1,3-diaryl-1-nitrosoureas and related compounds. Miyahara M, et al. **Chem Pharm Bull (Tokyo)** 1984 Feb; 32(2):564–70

A new class of nitrosoureas. IX. Synthesis and antitumor activity of 3-substituted 1-(2-chloroethyl)-3-(methyl alpha-D-glucopyranosid-6-yl or methyl 2-acetamido-2-deoxy-alpha-D-glucopyranosid-6-yl)-1-n Morikawa T, et al. **Chem Pharm Bull (Tokyo)** 1983 Nov; 31(11):3924–30

A new class of nitrosoureas. VIII. Synthesis and antitumor activity of 3-substituted 1-(2-chloroethyl)-3-(trans-2-hydroxycyclohexyl)-1-nitro Morikawa T, et al. **Chem Pharm Bull (Tokyo)** 1983 May; 31(5):1646–51

Synthesis and antitumor activity of Pt(II) complexes containing 2,3-diaminopropanol isomers. Noji M, et al. **Chem Pharm Bull (Tokyo)** 1983 May;31(5):1469–73

Uracil derivatives. IV. Growth-inhibitory activity against L-1210 cells of orotic acid derivatives and synthesis of 1-(beta-D-ribofuranosyl)furo[3,4-d]pyrimidine-2,4,7(1H,3 Okada J, et al. **Chem Pharm Bull (Tokyo)** 1983 Sep; 31(9):3074–83

5-Fluorouracil derivatives. IV. Synthesis of antitumor-active acyloxyalkyl-5-fluorouracils. Ozaki S, et al. **Chem Pharm Bull (Tokyo)** 1984 Feb;32(2):733–8

Synthesis and biological activities of 5-substituted 6-phenylthio and 6-iodouridines, a new class of antileukemic nucleosides. Tanaka H, et al. **Chem Pharm Bull (Tokyo)** 1983 Jun;31(6):2164–7

Synthetic nucleosides and nucleotides. XXI. On the synthesis and biological evaluations of 2'-deoxy-alpha-D-ribofuranosyl nucleosides and nucleotides. Yamaguchi T, et al. **Chem Pharm Bull (Tokyo)** 1984 Apr;32(4):1441–50

Antitumor activity of isochromanyltropolones. Yamato M, et al. **Chem Pharm Bull (Tokyo)** 1983 Aug;31(8):2952–4

Synthesis of [1-14C]1,2-cyclohexanedione bis(4-diethylenoxythiosemicarbazone) and preliminary biodistribution studies of this potential antitumor agent. Morgan HK, et al. **Int J Appl Radiat Isot** 1983 Nov; 34(11):1501–4

In the search for new anticancer drugs. VII. Platinum complexes of diaziridines and azetidine. Sosnovsky G, et al. **J Cancer Res Clin Oncol** 1984;107(3):217–20

Potential antitumor agents: synthesis and biological properties of aliphatic amino acid 9-hydroxyellipticinium derivatives. Auclair C, et al. **J Med Chem** 1984 Sep;27(9):1161–6

An evaluation of certain chain-extended analogues of 9-beta-D-arabinofuranosyladenine for antiviral and cardiovascular activity. Baker DC, et al. **J Med Chem** 1983 Oct;26(10):1530–4

Synthesis, characterization, and properties of a group of platinum (IV) complexes. Brandon RJ, et al. **J Med Chem** 1984 Jul;27(7):861–5

Synthesis and biological activity of structural analogues of the anticancer benzophenanthridine alkaloid nitidine chloride. Cushman M, et al. **J Med Chem** 1984 Apr;

27(4):544–7
Potential antitumor agents. 38. 3-substituted 5-carboxamido derivatives of amsacrine. Denny WA, et al. **J Med Chem** 1983 Nov;26(11):1619–25
Folate antagonists. 20. Synthesis and antitumor and antimalarial properties of trimetrexate and related 6-[(phenylamino)methyl]-2,4-quinazolinediamines. Elslager EF, et al. **J Med Chem** 1983 Dec;26(12):1753–60
Synthesis and antitumor activity of some aromatic seleno lactones. Groutas WC, et al. **J Med Chem** 1984 Apr; 27(4):548–50
9-acridinyl and 2-methoxy-6-chloro-9-acridinyl derivatives of aliphatic di-, tri-, and tetraamines. Chemistry, cytostatic activity, and schistosomicidal activity. Hansen JB, et al. **J Med Chem** 1983 Oct;26(10):1510–4
Improved synthesis and antitumor activity of 2-bromo-2'-deoxyadenosine. Huang MC, et al. **J Med Chem** 1984 Jun;27(6):800–2
Synthesis and biological activity of a new class of cytotoxic agents: N-(3-oxoprop-1-enyl)-substituted pyrimidines and purines. Johnson F, et al. **J Med Chem** 1984 Aug; 27(8):954–8
cis-4-[[[(2-Chloroethyl)nitrosoamino]carbonyl]methylami cyclohexanecarboxylic acid, a nitrosourea with latent activity against an experimental solid tumor. Johnston TP, et al. **J Med Chem** 1984 Jan;27(1):97–9
2,3-Dimethyl-1,4-naphthoquinone derivatives as bioreductive alkylating agents with cross-linking potential. Lin TS, et al. **J Med Chem** 1984 Jun;27(6):813–5
Synthesis and biological activity of various 3'-azido and 3'-amino analogues of 5-substituted pyrimidine deoxyribonucleosides. Lin TS, et al. **J Med Chem** 1983 Dec; 26(12):1691–6
O-imino esters of N,N-bis(2-chloroethyl)phosphorodiamidic acid. Synthesis, X-ray structure determination, and anticancer evaluation. Ludeman SM, et al. **J Med Chem** 1983 Dec;26(12):1788–90
Synthesis and antitumor activity of cis-dichloroplatinum (II)-N-aminated nucleoside complexes. Maeda M, et al. **J Med Chem** 1984 Apr;27(4):444–9
Synthesis and biological evaluation of 2-fluoro-8-azaadenosine and related compounds. Montgomery JA, et al. **J Med Chem** 1983 Oct; 26(10):1483–9
Synthesis and antitumor activity of 7- and 9-(6'-deoxy-alpha-L-talofuranosyl) hypoxanthine and 9-(6'-deoxy-alpha-L-talofuranosyl)-6-thiopurine. Nelson V, et al. **J Med Chem** 1983 Oct;26(10):1527–30
Heterocyclic Quinones. 4. A new highly cytotoxic drug: 6,7-bis(1-aziridinyl)-5,8-quinazolinedione. Renault J, et al. **J Med Chem** 1983 Dec;26(12):1715–9
Potential antitumor agents. 42. Structure-activity relationships for acridine-substituted dimethyl phosphoramidate derivatives of 9-anilinoacridine. Rewcastle GW, et al. **J Med Chem** 1984 Aug;27(8):1053–6
Synthesis and antitumor evaluation of some nitrosourea and nitrogen mustard amino acid derivatives. Rodriguez M, et al. **J Med Chem** 1984 Sep;27(9):1222–5
Methotrexate analogues. 19. Replacement of the glutamate side chain in classical antifolates by L-homocysteic acid and L-cysteic acid: effect on enzyme inhibition and antitumor activity. Rosowsky A, et al. **J Med Chem** 1984 May;27(5):600–4
Methotrexate analogues. 23. Synthesis, dihydrofolate reductase affinity, cytotoxicity, and in vivo antitumor activity of some putative degradation products of methotrexate-poly(L-lysine) conjugates. Rosowsky A, et al. **J Med Chem** 1984 Jul;27(7):888–93
(+/-)-3-(4-Amino-1H-pyrrolo[2,3-d]pyrimidin-1-yl)-5-(1 alpha,2 alpha,3 beta,5 beta)-1,2-cyclopentanediol, the carbocyclic analogue of tubercidin. Secrist JA 3d, et al. **J Med Chem** 1984 Apr;27(4):534–6
Tetracyclic chromophoric analogues of actinomycin D: synthesis, structure elucidation and interconvertibility from one form to another, antitumor activity, and structure-activity relationships. Sengupta SK, et al. **J Med Chem** 1983 Nov;26(11):1631–7
In the search for new anticancer drugs. 9. Synthesis and anticancer activity of spin-labeled analogues of N,N:N',N':N'',N''-Tri-1,2-ethanediylphosphoric triamide and N,N:N',N':N'',N''-tri-1,2-ethanediylphosphorothioic triamide. Sosnovsky G, et al. **J Med Chem** 1984 Jun; 27(6):782–8
Synthesis and biological activity of nucleosides and nucleotides related to the antitumor agent 2-beta-D-ribofuranosylthiazole-4-carboxamide. Srivastava PC, et al. **J Med Chem** 1984 Mar;27(3):266–9
Antitumor imidazotetrazines. 1. Synthesis and chemistry of 8-carbamoyl-3-(2-chloroethyl)imidazo[5,1-d]-1,2,3,5-tetr H)-one , a novel broad-spectrum antitumor agent. Stevens MF, et al. **J Med Chem** 1984 Feb;27(2):196–201
Synthesis of potential anticancer agents. Pyrido[4,3-b][1,4]oxazines and pyrido[4,3-b][1,4]thiazines. Temple C Jr, et al. **J Med Chem** 1983 Nov;26(11):1614–9
Synthesis and antiviral/antitumor activities of certain pyrazolo[3,4-d]pyrimidine-4(5H)-selone nucleosides and related compounds. Ugarkar BG, et al. **J Med Chem** 1984 Aug;27(8):1026–30
Studies of the mode of action of antitumor triazenes and triazines. 6. 1-Aryl-3-(hydroxymethyl)-3-methyltriazenes: synthesis, chemistry, and antitumor properties. Vaughan K, et al. **J Med Chem** 1984 Mar;27(3):357–63
Tumor inhibitory triazenes. 3. Dealkylation within an homologous series and its relation to antitumor activity. Wilman DE, et al. **J Med Chem** 1984 Jul;27(7):870–4
Bis(bioreductive) alkylating agents: synthesis and biological activity in a nude mouse human carcinoma model. Witiak DT, et al. **J Med Chem** 1983 Dec;26(12):1679–86
Syntheses and evaluation of some mannich bases derived from acetophenones against P388 lymphocytic leukemia and toxicological assessment of 3-dimethyl-amino-2-dimethylaminomethyl-1-(4-methoxy dihydrochloride in rats. Dimmock JR, et al. **J Pharm Sci** 1984 Apr;73(4):471–7
Synthesis and evaluation of N-alkanoyl-S-benzyl-L-cysteinylglutamic acid esters as glyoxalase I inhibitors and anticancer agents. Foye WO, et al. **J Pharm Sci** 1984 Apr;73(4):559–61
Synthesis and antileukemic activity of 2-(2-methylthio-2-aminovinyl)-1-methylquinolinium iodides. Foye WO, et al. **J Pharm Sci** 1983 Nov; 72(11):1356–8
New compounds: peptide derivatives of the antitumor agent N-phosphonoacetyl-L-aspartic acid. Gigot D, et al. **J Pharm Sci** 1984 Feb;73(2):275–7
Nucleoside conjugates V: Synthesis and biological activity of 9-(beta-D-arabinofuranosyl)adenine conjugates of corticosteroids. Hong CI, et al. **J Pharm Sci** 1984 Feb; 73(2):278–80
Investigation of the antitumor activity of podocarpic acid derivatives. Parish EJ, et al. **J Pharm Sci** 1984 May; 73(5):694–6
Synthesis and evaluation of the antitumor properties of esters of 2-furoic acid and 2-furylacrylic acid. Sajadi Z, et al. **J Pharm Sci** 1984 Feb;73(2):266–7
New arylsulfonylhydrazones of substituted benzaldehydes as anticancer agents. Pal P, et al. **Neoplasma** 1983;30(5):551–6
Synthesis and biological activity of derivatives of hydrazinopyrimidines with carbonyl compounds. Pelova R, et al. **Pharmazie** 1984 Apr;39(4):270–1
Novel indolene-spiro-hydroxytetronimides as potential antineoplastic and antiviral agents. Soliman FS, et al. **Pharmazie** 1983 Sep;38(9):585–6
Synthesis, antibacterial and antitumour activity of platinum complexes of glyoxal and pyruvic acid thiosemicarbazones. Spassovska N, et al. **Pharmazie** 1984 May;39(5):346–7
Synthesis and antileukemic properties of 2-methyl and 2,5-dimethylpiperazides. Groszkowski S, et al. **Pol J Pharmacol Pharm** 1983 Nov-Dec;35(6):517–21
Alpha-methylene-gamma-lactone fused to steroidal ring D as potential antitumor agent. Kocór M, et al. **Steroids** 1983 Jan;41(1):55–65
[Studies on antitumor chemotherapeutic agents. II. Synthesis of cantharidine derivatives and analogues] Liu JY, et al. **Yao Hsueh Hsueh Pao** 1983 Oct;18(10):752–9 (Eng. Abstr.) **(Chi)**
[Antitumor activity of open ring analogues of ungeremine (AT-1840)—preparation of substituted N-alkyl phenanthridinium bromides by a photochemical reaction] Weng ZY, et al. **Yao Hsueh Hsueh Pao** 1984 Jan; 19(1):28–34 (Eng. Abstr.) **(Chi)**
[Aminoalcohol esters of hydroxyboranes. 10. Tetracycline boron Mannich bases as potential antineoplastic agents] Csuk R, et al. **Arch Pharm (Weinheim)** 1984 Apr; 317(4):336–9 (Eng. Abstr.) **(Ger)**
[Barbituric acid derivatives. 35. Cytostatic and central nervous actions of chiral barbiturate Mannich bases] Knabe J, et al. **Arch Pharm (Weinheim)** 1983 Dec;316(12):1051–3 **(Ger)**
[N-quaternary derivatives of tilorone] Schulze W, et al. **Pharmazie** 1984 May;39(5):320–2 (Eng. Abstr.) **(Ger)**
[Compounds with presumable antitumor activity. II. 2-Substituted 3-(2-thiazolyl) and 3-[2-(1,3,4,-thiadizolyl)]-4-thiazolidinones] Grasso S, et al. **Farmaco [Sci]** 1984 Jun;39(6):505–13 (Eng. Abstr.) **(Ita)**
[Nitrosation of 1-(2-chloroethyl)-3-(2-furylmethyl)urea and 1-(2-chloroethyl)-3-(2-pyrazinylmethyl)urea] Kamiya S. **Eisei Shikenjo Hokoku** 1983;(101):119–21 (Eng. Abstr.) **(Jpn)**
[Synthesis of antitumor heterocyclic compounds] Kamiya S, et al. **Eisei Shikenjo Hokoku** 1983;(101):71–5 (Eng. Abstr.) **(Jpn)**
[Benzhydryl derivatives (3). Synthesis of diphenylacetylamino acids and their effects on tumor cells in culture] Takemura S, et al. **Yakugaku Zasshi** 1983 Apr; 103(4):480–2 (Eng. Abstr.) **(Jpn)**

HISTORY

'Who will bell the cat?' Andrew C. Ivy and Krebiozen. Ward PS. **Bull Hist Med** 1984 Spring;58(1):28–52

IMMUNOLOGY

Immunotoxins—theoretical and practical aspects. Hofstaetter T, et al. **Behring Inst Mitt** 1984 May;(74):113–21 (26 ref.)
[Antitumor immunoadjuvants of microbial origin: the limitations in the immune system and microbial structure] Cassone A. **Ann Ist Super Sanita** 1982;18(3):497–500 (10 ref.) (Eng. Abstr.) **(Ita)**
[Antitumor immunoadjuvant activity and the immunoregulatory mechanisms of yeasts and their components] Marconi P, et al. **Ann Ist Super Sanita** 1982; 18(3):501–8 (91 ref.) (Eng. Abstr.) **(Ita)**

ISOLATION & PURIFICATION

Partial purification and demonstration of anti-tumor activity of high molecular weight DNA-binding protein (HMDBP) in ascitic fluid of mice with meth-A ascites fibrosarcoma. Hashimoto K, et al. **Bull Chest Dis Res Inst Kyoto Univ** 1983 Mar;16(1-2):27–34
Structure of pestalotan, a highly branched (1——3)-beta-D-glucan elaborated by Pestalotia sp. 815, and the enhancement of its antitumor activity by polyol modification of the side chains. Misaki A, et al. **Carbohydr Res** 1984 Jul 1;129:209–27
Structure and antitumor activity of an alkali-soluble polysaccharide from Cordyceps ophioglossoides. Yamada H, et al. **Carbohydr Res** 1984 Jan 10;125(1):107–15
Isolation and characterization of anti-neoplastic sturgeon factors. Cameron DJ. **Int J Immunopharmacol** 1983; 5(6):555–65
Antitumor activity in the culture supernatant fluid of Fusobacterium nucleatum strain KO-31. Tamai K, et al. **Jpn J Exp Med** 1983 Oct;53(5):251–6

METABOLISM

Tumor specific conversion of a pyrimidine antimetabolite. Hartmann HR, et al. **Adv Exp Med Biol** 1984;165 Pt B:411–4
Pharmacokinetics of intra-arterial tumour therapy. An experimental study. von Scheel J, et al. **Arch Otorhinolaryngol** 1984;239(2):153–61
Peroxidase-catalysed covalent binding of the antitumor drug 2N-methyl-9-hydroxy-ellipticine to proteins. Auclair C, et al. **Biochem Pharmacol** 1983 Dec 15;32(24):3883–6
Biochemical studies on the ability of pentamethylmelamine to interact in vivo with DNA and proteins in a sensitive murine ovarian reticular cell sarcoma. Garattini E, et al. **Biochem Pharmacol** 1984 Sep 1;33(17):2715–22
m-AMSA as a probe for transport phenomena associated with anthracycline resistance. Kessel D, et al. **Biochem Pharmacol** 1984 Apr 1;33(7):991–3
Effects of ruthenium red on accumulation and cytotoxicity of m-AMSA, vinblastine and daunorubicin in leukemia cells. Wilberding C, et al. **Biochem Pharmacol** 1984 Aug 15;33(16):2559–62
Interaction of nucleic acids with a non-intercalative anti-leukemic compound containing bisquarternary heterocycles. Luck G, et al. **Biochim Biophys Acta** 1984 May 15;782(1):41–8
Metabolism of the anticancer agent 1-(4-acetylphenyl)-3,3-dimethyltriazene. Farina P, et al. **Biomed Mass Spectrom** 1983 Aug;10(8):485–8
Preclinical pharmacokinetics of benznidazole. Workman P, et al. **Br J Cancer** 1984 Sep;50(3):291–303
Triazene metabolism. III. In vitro cytotoxicity towards M21 cells and in vivo antitumour activity of the proposed metabolites of the antitumour 1-aryl-3,3-dimethyltriazenes. Kohlsmith DJ, et al. **Can J Physiol Pharmacol** 1984 Apr; 62(4):396–402
Pharmacokinetic studies in lung cancer patients. Piazza E, et al. **Cancer** 1984 Sep 15;54(6 Suppl):1187–92
Pharmacokinetics of vindesine bolus and infusion. Jackson DV Jr, et al. **Cancer Chemother Pharmacol** 1984;13(2):114–9
Pharmacological disposition of 1,4-dihydroxy-5-8-bis[[2 [(2-hydroxyethyl)amino]ethyl]amino]-9,10-anthracenedion dihydrochloride in the dog. Lu K, et al. **Cancer Chemother Pharmacol** 1984;13(1):63–6
New approach to metabolism of 5'-deoxy-5-fluorouridine in humans with fluorine-19 NMR. Malet-Martino MC, et al. **Cancer Chemother Pharmacol** 1984;13(1):31–5
Detection and quantification of mitoxantrone in human organs. A case report. Roboz J, et al. **Cancer Chemother Pharmacol** 1984;13(1):67–8
Activation and inactivation of cancer chemotherapeutic agents by rat hepatocytes cocultured with human tumor cell lines. Alley MC, et al. **Cancer Res** 1984 Feb; 44(2):549–56
Pharmacological characterization of teroxirone, a triepoxide antitumor agent, in rats, rabbits, and humans. Ames MM, et al. **Cancer Res** 1984 Sep;44(9):4151–6
Pharmacological disposition of 1-(2-chloroethyl)-3-(2,6-dioxo-3-piperidyl)-1-nitrosoure in mice. Rahman A, et al. **Cancer Res** 1984 Jan;44(1):149–53
Pharmacokinetic studies of anticancer drugs in tumor-bearing animals. Donelli MG, et al. **Cancer Treat Rep** 1984 Feb;68(2):381–400
Disposition of mitoxantrone in patients. Alberts DS, et al. **Cancer Treat Rev** 1983 Dec;10 Suppl B:23–7
Identification of the glucuronide and glutathione conjugates of the antitumor drug N2-methyl-9-hydroxyellipticinium acetate (Celiptium). Comparative disposition of this drug with its olivacinium isomer in rat bile. Maftouh M, et al. **Drug Metab Dispos** 1984 Jan-Feb;12(1):111–9
Pharmacokinetics of anticancer drugs in children. Evans WE, et al. **Drug Metab Rev** 1983;14(5):847–86 (187 ref.)
Dose-dependent metabolism, therapeutic effect, and toxicity of anticancer drugs in man. Powis G. **Drug Metab Rev** 1983;14(6):1145–63 (85 ref.)
Distribution of radiolabelled azelaic cid in eye membranes and fluids of rabbits. Mingrone G, et al. **Exp Pathol** 1984; 25(2):85–8
Pharmacodynamics of co-administration of uracil and 1-(2-tetrahydrofuryl)-5-fluorouracil (FT-207) for malignant brain tumors. Harada K, et al.

Hiroshima J Med Sci 1983 Dec;32(4):443–9

Tissue analysis of N–methylformamide: organ distribution. Matook GM, et al. **J Anal Toxicol** 1984 May–Jun;8(3):146–8

Phase I trial and pharmacokinetic studies of alpha–difluoromethylornithine—an inhibitor of polyamine biosynthesis. Abeloff MD, et al. **J Clin Oncol** 1984 Feb; 2(2):124–30

The pharmacologic fate of 2,5–diaziridinyl–3,6–bis(carboethoxyamino) 1,4–benzoquinone (AZQ NSC–182986) by intracarotid or intravenous administration in beagles. Feun LG, et al. **J Neurooncol** 1983;1(3):219–24

Intracerebral penetration and tissue distribution of 2,5–diaziridinyl 3,6–bis(carboethoxyamino) 1,4–benzoquinone (AZQ, NSC–182986). Savaraj N, et al. **J Neurooncol** 1983;1(1):15–9

Carbinolamines and related structures—potential alkylating metabolites of clinically active anticancer drugs. Soloway AH, et al. **J Theor Biol** 1983 Jun 7;102(3):361–73

Chemotherapeutic agent permeability to normal brain and delivery to avian sarcoma virus–induced brain tumors in the rodent: observations on problems of drug delivery. Neuwelt EA, et al. **Neurosurgery** 1984 Feb;14(2):154–60

Concentrations of a new antitumor agent, 1–hexylcarbamoyl–5–fluorouracil in serum and gynecologic tumor tissue. Sawada M, et al. **Nippon Sanka Fujika Gakkai Zasshi** 1983 Dec; 35(12):2421–6

Cellular binding of hematoporphyrin derivative in human bladder cancer cell lines: KK–47. Miyoshi N, et al. **Photochem Photobiol** 1984 Mar;39(3):359–63

Potentials of pharmacokinetic studies in cancer chemotherapy. Pinedo HM, et al. **Prog Clin Biol Res** 1983; 132E:121–8

Chemotherapy of cervical carcinoma: use of Tc–99m–MAA infusion to predict drug distribution. Kim EE, et al. **Radiology** 1984 Mar;150(3):677–81

Metabolism of the anti–tumour drugs N2–methyl–9–hydroxyellipticinium acetate (NSC 264137) and N2–methyl–9–hydroxyolivacinium acetate in the rat: preliminary identification of biliary 9–(O)–glucuronide and 10–(S)–glutathione conjugates. Maftouh M, et al. **Xenobiotica** 1983 May;13(5):303–10

[Absorption, distribution and excretion of (carboxy–14C)bisbromoacetyl hexestrol] Ling YH, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Jun;5(2):109–11 (Eng. Abstr.) **(Chi)**

[Mode of action and spectrum of activity of cytolytic drugs in clinical oncology] Focan C. **Rev Med Liege** 1984 Feb 1;39(3):81–6 **(Fre)**

[Chemical modification of anticancer agents from viewpoints of their pharmacokinetics] Fujita H. **Gan To Kagaku Ryoho** 1984 Mar;11(3 Pt 2):733–40 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of Tegafur suppository in the treatment of uterine cancer—with special reference to the drug concentration in the blood, secretion from the pelvic dead space, and tissues of female genital organs] Yamada E. **Igaku Kenkyu** 1982 Nov;52(5):269–87 (Eng. Abstr.) **(Jpn)**

[ACNU delivery to malignant tumor tissue and serum—route of administration and combined use of phenobarbital] Muraoka K. **No To Shinkei** 1983 Dec;35(12):1199–206 (Eng. Abstr.) **(Jpn)**

[Effects of phenobarbital on the metabolism of ACNU in vivo] Nagashima T, et al. **No To Shinkei** 1983 Jul; 35(7):677–82 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Esophageal cytology in patients receiving cytotoxic drug therapy. O'Morchoe PJ, et al. **Acta Cytol (Baltimore)** 1983 Nov–Dec;27(6):630–4

Correlations of alkylating activity and mutagenicity in bacteria of cytostatic drugs. Hemminki K, et al. **Acta Pharmacol Toxicol (Copenh)** 1983 Nov;53(5):421–8

Novel nucleoside inhibitors of guanosine metabolism as antitumor agents. Smejkal RM, et al. **Adv Enzyme Regul** 1984;22:59–68

Control of enzymic programs and nucleotide pattern in cancer cells by acivicin and tiazofurin. Weber G, et al. **Adv Enzyme Regul** 1984;22:69–93

Influence of cytostatics on ATP–levels of leukemic cells. Kuzmits R, et al. **Adv Exp Med Biol** 1984;165 Pt B:383–8

A semiautomated microculture method for investigating growth inhibitory effects of cytotoxic compounds on exponentially growing carcinoma cells. Finlay GJ, et al. **Anal Biochem** 1984 Jun;139(2):272–7

Elongated tuftsin analogues—synthesis and biological investigation. Konopińska D, et al. **Ann NY Acad Sci** 1983; 419:35–43

Spectroscopic studies of conformational transitions in double stranded DNAs in the presence of carcinogenic nickel compounds and an antitumoral drug (SOAZ). Liquier J, et al. **Anticancer Res** 1984 Jan–Apr;4(1–2):41–4

Action of the antitumor and antispermatogenic agent lonidamine on electron transport in Ehrlich ascites tumor mitochondria. Floridi A, et al. **Arch Biochem Biophys** 1983 Oct 1;226(1):73–83

Anticancer potentiality of three new synthetic nitrogen mustards. Téllez–Martínez J, et al. **Arch Invest Med (Mex)** 1983 Apr–Jun;14(2):159–71 **(Eng, Spa)**

Effects of a new antitumor compound, mopidamol, on thymidine and 2–deoxyglucose transport in leukaemic L 1210 cells. Trentesaux C, et al. **Arzneimittelforsch** 1984; 34(1):5–8

Biological aspects of the subrenal capsule assay of importance in the screening of cytostatic agents. Edelstein MB, et al. **Behring Inst Mitt** 1984 May;(74):285–90

Experience in the preparation and experimental use of immunocytostatics. Embleton MJ, et al. **Behring Inst Mitt** 1984 May;(74):108–12

A modified screening system to select new cytostatic drugs. Kraemer HP, et al. **Behring Inst Mitt** 1984 May;(74):301–28 (155 ref.)

Potentials and drawbacks of the human tumor stem cell assay. Shoemaker RH, et al. **Behring Inst Mitt** 1984 May; (74):262–72

Immunosuppression by cytostatic drugs? Ulrichs K, et al. **Behring Inst Mitt** 1984 May;(74):239–49

Use of tritiated nucleotide incorporation for prediction of sensitivity of tumors to cytostatic agents. Volm M. **Behring Inst Mitt** 1984 May;(74):273–84

Chemically induced autochthonous tumor models in experimental chemotherapy. Zeller WJ, et al. **Behring Inst Mitt** 1984 May;(74):201–8

Selective inhibition of eukaryotic RNA polymerase: a possible new mechanism of antitumor drug action. Chuang LF, et al. **Biochem Biophys Res Commun** 1984 May 16; 120(3):946–52

An extremely potent anilinoacridine inhibitor of aldehyde oxidase. Gormley PE, et al. **Biochem Biophys Res Commun** 1983 Oct 31;116(2):759–64

Tiazofurin–induced selective depression of NAD content in hepatoma 3924A. Liepnieks JJ, et al. **Biochem Biophys Res Commun** 1984 Jul 18;122(1):345–9

Mode of action of 2–amino–6–chloro–1–deazapurine. Bennett LL Jr, et al. **Biochem Pharmacol** 1984 Jan 15;33(2):261–71

Comparative cardiac oxygen radical metabolism by anthracycline antibiotics, mitoxantrone, bisantrene, 4'–(9–acridinylamino)–methanesulfon–m–anisidide, and neocarzinostatin. Doroshow JH, et al. **Biochem Pharmacol** 1983 Oct 1;32(19):2935–9

Biochemical and cytotoxic properties of the isomeric forms of N,N'–bis[N–2–chloroethyl)–N–nitrosocarbamoyl] cystamine. Farhi JJ, et al. **Biochem Pharmacol** 1984 Aug 15;33(16):2575–80

Trypanocidal and antitumour activity of platinum–metal and platinum–metal–drug dual–function complexes. Farrell NP, et al. **Biochem Pharmacol** 1984 Apr 1;33(7):961–71

Antitumour imidazotetrazines—IV. An investigation into the mechanism of antitumour activity of a novel and potent antitumour agent, mitozolomide (CCRG 81010, M & B 39565; NSC 353451). Horgan CM, et al. **Biochem Pharmacol** 1984 Jul 15;33(14):2185–92

Biochemical effects of a quinazoline inhibitor of thymidylate synthetase, N–(4–(N–((2–amino–4–hydroxy–6–quinazolinyl)methyl)prop–2–ynyla benzoyl)–L–glutamic acid (CB3717), on human lymphoblastoid cells. Jackson RC, et al. **Biochem Pharmacol** 1983 Dec 15;32(24):3783–90

The effect of anti–cancer drugs on pharmacokinetics of antipyrine in vitamin A deficiency. Khanduja KL, et al. **Biochem Pharmacol** 1984 Feb 1;33(3):449–52

Methotrexate analogues—XVII. Antitumor activity of 4–amino–4–deoxy–N10–methylpteroyl–D,L–homocysteic acid and its dual inhibition of dihydrofolate reductase and folyl polyglutamate synthetase. Rosowsky A, et al. **Biochem Pharmacol** 1984 Jan 1;33(1):155–61

Studies of the mode of action of antitumour triazenes and triazines–V. The correlation of the in vitro cytotoxicity and in vivo antitumour activity of hexamethylmelamine analogues with their metabolism. Ross D, et al. **Biochem Pharmacol** 1984 Apr 1;33(7):1131–6

Synthesis and preliminary characterization of a novel substrate for gamma–glutamyl transferase. A potential anti–hepatoma drug. Smith GD, et al. **Biochem Pharmacol** 1984 Feb 15;33(4):527–9

Alteration of delta psi–dependent amino acid transports in Streptococcus pneumoniae by the antitumoral drug SOAz. Trombe MC, et al. **Biochem Pharmacol** 1984 Sep 1; 33(17):2749–53

Inhibition of the biosynthesis of deoxyribonucleic acid, ribonucleic acid and protein in HeLa S3 cells by cucurbitacins, glucocorticoid–like cytotoxic triterpenes. Witkowski A, et al. **Biochem Pharmacol** 1984 Apr 1; 33(7):995–1004

Formation and rejoining of deoxyribonucleic acid double–strand breaks induced in isolated cell nuclei by antineoplastic intercalating agents. Pommier Y, et al. **Biochemistry** 1984 Jul 3;23(14):3194–201

A new method for in vitro chemosensitivity assay: inhibition of metabolic CO2 production. Kurnick NB, et al. **Biomed Pharmacother** 1983;37(7):351–3

Cellular and molecular mechanisms of the bone marrow sparing effects of the glucose chloroethylnitrosourea chlorozotocin. Byrne P, et al. **Blood** 1984 Apr;63(4):759–67

Cytotoxicity of platelet activating factor and related alkyl–phospholipid analogs in human leukemia cells, polymorphonuclear neutrophils, and skin fibroblasts. Hoffman DR, et al. **Blood** 1984 Mar;63(3):545–52

Improved optical detection of colony enlargement and drug cytotoxicity in primary soft agar cultures of human solid tumour cells. Alley MC, et al. **Br J Cancer** 1984 Feb; 49(2):225–33

Effects of haematoporphyrin derivative and light in combination with hyperthermia on cells in culture. Christensen T, et al. **Br J Cancer** 1984 Jul;50(1):85–9

Antimicrobial activity of 21 anti–neoplastic agents. Hamilton–Miller JM. **Br J Cancer** 1984 Mar;49(3):367–9

Quantitation of chemosensitivity in acute myelocytic leukaemia. Lihou MG, et al. **Br J Cancer** 1983 Oct; 48(4):559–67

A comparison of three assays used for the in vitro chemosensitivity testing of human tumours. Wilson AP, et al. **Br J Cancer** 1984 Jan;49(1):57–63

Effect of cancer chemotherapeutic drugs on the radiation–induced skin reactions in mouse feet. von der Maase H. **Br J Radiol** 1984 Aug;57(680):697–707

Mechanism of cytotoxic activity of 5'–deoxy–5–fluorouridine. Armstrong RD, et al. **Cancer Chemother Pharmacol** 1983;11(2):102–5

Cell survival in four ovarian carcinoma xenografts following in vitro exposure to melphalan, cisplatin and cis–diammine–1,1–cyclobutane dicarboxylate platinum II (CBDCA,JM8). Jones AC, et al. **Cancer Chemother Pharmacol** 1984;13(2):109–13

Ricin A–chain conjugated with monoclonal anti–L1210 antibody. In vitro and in vivo antitumor activity. Kishida K, et al. **Cancer Immunol Immunother** 1983;16(2):93–7

Effects of a prospective antitumor agent, 1,4–bis(2'–chloroethyl)–1,4–diazabicyclo–[2.2.1] heptane diperchlorate, on cultured mammalian cells. Traganos F, et al. **Cancer Invest** 1984;2(1):1–13

Acute effects of mitoxantrone on the template activity of isolated nuclei from the T–47D human breast tumor cell line. Chegini N, et al. **Cancer Lett** 1984 Jan;21(3):329–36

Assessment of the anti–tumor potential of glutathione. Cook JR, et al. **Cancer Lett** 1984 Jan;21(3):277–83

Third annual Sapporo Cancer Seminar. Biological responses in cancer chemotherapy. **Cancer Res** 1983 Dec;43(12 Pt 1):6109–12

Decreased cell kill of vincristine and methotrexate against 9L rat brain tumor cells in vitro caused by alpha–difluoromethylornithine–induced polyamine depletion. Alhonen–Hongisto L, et al. **Cancer Res** 1984 Oct; 44(10):4440–2

Differential effect of alpha–difluoromethylornithine on the in vivo uptake of 14C–labeled polyamines and methylglyoxal bis(guanylhydrazone) by a rat prostate–derived tumor. Heston WD, et al. **Cancer Res** 1984 Mar;44(3):1034–40

Mechanisms of DNA strand breakage and interstrand cross–linking by diaziridinylbenzoquinone (diaziquone) in isolated nuclei from human cells. Szmigiero L, et al. **Cancer Res** 1984 Oct;44(10):4453–7

Symposium on cellular resistance to anticancer drugs. National Institutes of Health, Bethesda, Maryland, February 25, 1983. **Cancer Treat Rep** 1983 Oct; 67(10):855–931

Drug resistance in Chinese hamster lung and mouse tumor cells. Biedler JL, et al. **Cancer Treat Rep** 1983 Oct; 67(10):859–67 (24 ref.)

Symposium on cellular resistance to anticancer drugs. Introduction. Chabner BA, et al. **Cancer Treat Rep** 1983 Oct;67(10):855–7

Relationship between the induction of chromosome damage and cytotoxicity for amsacrine and congeners. Ferguson LR, et al. **Cancer Treat Rep** 1984 Apr;68(4):625–30

Quantitative model for multiple levels of drug resistance in clinical tumors. Goldie JH, et al. **Cancer Treat Rep** 1983 Oct;67(10):923–31

Cytogenetic effects of amsacrine on human lymphocytes in vivo and in vitro. Kao–Shan CS, et al. **Cancer Treat Rep** 1984 Jul–Aug;68(7–8):989–97

Multidrug–resistance phenotype in Chinese hamster ovary cells. Ling V, et al. **Cancer Treat Rep** 1983 Oct; 67(10):869–74 (19 ref.)

Establishment of cross–resistance profiles for new agents. Schabel FM Jr, et al. **Cancer Treat Rep** 1983 Oct; 67(10):905–22 (24 ref.)

Evidence for multidrug–resistant cells in human tumor cell populations. Shoemaker RH, et al. **Cancer Treat Rep** 1983 Oct;67(10):883–8 (12 ref.)

Chemosensitivity of human tumor clonogenic cells simultaneously assayed in agar diffusion chambers and in a two–layer agar culture system. Sobrero AF, et al. **Cancer Treat Rep** 1984 Apr;68(4):615–24

The oxazaphosphorines. Brock N. **Cancer Treat Rev** 1983 Sep;10 Suppl A:3–15

Molecular and biochemical pharmacology of mitoxantrone. Durr FE, et al. **Cancer Treat Rev** 1983 Dec;10 Suppl B:3–11 (26 ref.)

7,12–dimethylbenz[a] anthracene—DNA binding in mouse skin: response of different mouse strains and effects of various modifiers of carcinogenesis. Dipple A, et al. **Carcinogenesis** 1984 Aug;5(8):1087–90

Clinical pharmacology in oncology. Recent advances. Dodion P. **Eur J Cancer Clin Oncol** 1983 Nov; 19(11):1499–507 (63 ref.)

A non–clonogenic assay for the determination of the sensitivity of leukemic cells to chemotherapeutic agents. Epstein J, et al. **Eur J Cancer Clin Oncol** 1983 Nov; 19(11):1569–74

Induction of petite mutants in yeast by non–intercalative DNA–binding antitumour agents. Ferguson LR, et al.

Eur J Cancer Clin Oncol 1983 Nov;19(11):1575–83

The use of human cancer cell lines as a primary screening system for antineoplastic compounds. Finlay GJ, et al. **Eur J Cancer Clin Oncol** 1984 Jul;20(7):947–54

The effect of N–formylleurosine on DNA synthesis of Ehrlich ascites tumor. Pokorny E, et al. **Eur J Cancer Clin Oncol** 1983 Aug;19(8):1113–9

Differential growth inhibition of cultured mammalian cells: comparison of clinical antitumour agents and amsacrine derivatives. Wilson WR, et al. **Eur J Cancer Clin Oncol** 1984 Mar;20(3):383–9

Effects of colchicine, vinblastine and nocodazole on polarity, motility, chemotaxis and cAMP levels of human polymorphonuclear leukocytes. Keller HU, et al. **Exp Cell Res** 1984 Jul;153(1):173–85

Different local therapeutic effects of various polysaccharides on MH134 hepatoma in mice and its relation to inflammation induced by the polysaccharides. Abe S, et al. **Gann** 1984 May;75(5):459–65

Potentiation of mitomycin C, 6–mercaptopurine, bleomycin, cis–diamminedichloroplatinum and 5–fluorouracil by mycotrienins and mycotrienols. Kuwano M, et al. **Gann** 1983 Oct;74(5):759–66

Cytotoxic properties of hydroxylamino– and amino–misonidazole, possible metabolic products of misonidazole, in hypoxic HeLa S3 cells. Murayama C, et al. **Gann** 1983 Oct;74(5):693–8

Dansylcadaverine and rimantadine inhibition of phagocytosis, PAF–acether release, and phosphatidylcholine synthesis in human polymorphonuclear leukocytes. Garcia Gil M, et al. **Immunopharmacology** 1983 Dec;6(4):317–25

Activation of macrophage function by intraperitoneal administration of the streptococcal antitumor agent OK–432. Kawaguchi T, et al. **Immunopharmacology** 1983 Oct;6(3):177–89

Biochemical evidence for the role of alkyl–lysophospholipids on liver sialyltransferase. Bador H, et al. **Int J Biochem** 1983;15(9):1137–42

Substances that can trigger activation of the alternative pathway of complement have anti–melanoma activity in mice. Cooper PD, et al. **Int J Cancer** 1984 May 15; 33(5):683–7

Sensitivity of cultured human pancreatic carcinoma cells to dihydroxyanthracenedione. Fountzilas G, et al. **Int J Cancer** 1984 Mar 15;33(3):347–53

Cytotoxic action of retinoidal butenolides on mouse neuroblastoma and rat glioma cells. Higashida H, et al. **Int J Cancer** 1984 May 15;33(5):677–81

Comparative analysis of the immunopharmacological properties of three new nitrosourea analogues: RPCNU, RFCNU and Chlorozotocin. Florentin I, et al. **Int J Immunopharmacol** 1983;5(3):201–10

The enhancement of tumor cell susceptibility to macrophage binding and cytolysis by p–aminobenzoic acid–N–xyloside sodium salt (K–247). Toge T, et al. **Int J Immunopharmacol** 1984;6(1):55–9

Inhibitory activity of diarylamidine derivatives on murine leukemia L1210 cell growth. Balzarini J, et al. **Invest New Drugs** 1983;1(2):103–15

Heterogeneous responses of an in vitro model of human stomach cancer to anticancer drugs. Barranco SC, et al. **Invest New Drugs** 1983;1(2):117–27

The human tumor colony–forming chemosensitivity assay: a biological and clinical review. Bradley EC, et al. **Invest New Drugs** 1984;2(1):59–70 (53 ref.)

Comparative cytotoxicity of adriamycin, mitoxantrone and bisantrene as measured by a human tumor cloning system. Cowan JD, et al. **Invest New Drugs** 1983;1(2):139–44

The lethal activity and repair inhibition capacity of 1–(2–chloroethyl)–3–(2,6–dioxo–3–piperidyl)–1–nitrosoure (NSC 95466, PCNU), a nitrosourea with low carbamoylating activity. Drewinko B, et al. **Invest New Drugs** 1983;1(3):197–202

Activity of 4'–0–tetrahydropyranyladriamycin hydrochloride (THP–ADM) in a human tumor cloning system. Inoue K, et al. **Invest New Drugs** 1983;1(4):271–5

Activity of Carbetimer in a human tumor cloning system. Kisner DL, et al. **Invest New Drugs** 1984;2(1):55–8

Tiazofurin: a new antitumor agent. O'Dwyer PJ, et al. **Invest New Drugs** 1984;2(1):79–84 (17 ref.)

Effect of 2,3–dihydro–1H–imidazo [1,2–b]pyrazole (IMPY) on the metabolism of human red cells. Sagone AL Jr, et al. **Invest New Drugs** 1983;1(3):243–8

Usefulness of abrin as a positive control for the human tumor clonogenic assay. Salmon SE, et al. **Invest New Drugs** 1983; 1(4):277–81

Spirogermanium: a new investigational drug of novel structure and lack of bone marrow toxicity. Slavik M, et al. **Invest New Drugs** 1983;1(3):225–34

Antitumor activity of vinzolidine in the human tumor clonogenic assay and comparison with vinblastine. Takasugi BJ, et al. **Invest New Drugs** 1984;2(1):49–53

The cytokinetic and cytotoxic effects of ICRF–159 and ICRF–187 in vitro and ICRF–187 in human bone marrow in vivo. Wheeler RH, et al. **Invest New Drugs** 1983; 1(4):283–95

Experimental drug–induced changes in renal function and biodistribution of 99mTc–MDP. McAfee JG, et al. **Invest Radiol** 1983 Sep–Oct;18(5):470–8

An in vitro screening method for antitumor and/or antitumorigenic substances involving the transformation of chick embryo fibroblasts infected with Rous sarcoma virus. Takeuchi M, et al. **J Antibiot (Tokyo)** 1984 Mar;37(3):235–8

Intercalative antitumor drugs interfere with the breakage–reunion reaction of mammalian DNA topoisomerase II. Tewey KM, et al. **J Biol Chem** 1984 Jul 25;259(14):9182–7

Induction of cell arrest at G1/S and in G2 after treatment of Ehrlich ascites tumor cells with metallocene dichlorides and cis–platinum in vitro. Köpf–Maier P, et al. **J Cancer Res Clin Oncol** 1983;106(1):44–52

Analysis of metastatic spread and growth of tumor cells in mice with depressed natural killer activity by anti–asialo GM1 antibody or anticancer agents. Saijo N, et al. **J Cancer Res Clin Oncol** 1984;107(3):157–63

The tumor–inhibiting effect of isomeric dichloro(diphenylethylenediamine)platinum(II) complexes. Wappes B, et al. **J Cancer Res Clin Oncol** 1984;107(1):15–20

Effects of cloned human leukocyte interferons in the human tumor stem cell assay. Salmon SE, et al. **J Clin Oncol** 1983 Mar;1(3):217–25

Novel N–hydroxyguanidine derivatives as anticancer and antiviral agents. Tai AW, et al. **J Med Chem** 1984 Feb; 27(2):236–8

The oral carriage of yeasts and coliforms in patients on cytotoxic therapy. Samaranayake LP, et al. **J Oral Pathol** 1984 Aug;13(4):390–3

Nude mouse xenograft study for treatment of neuroblastoma: effects of chemotherapeutic agents and surgery on tumor growth and cell kinetics. Tsuchida Y, et al. **J Pediatr Surg** 1984 Feb;19(1):72–6

Use of a Lactobacillus casei assay as a prescreen for potential anticancer agents: an update study. Otani TT, et al. **J Pharm Sci** 1984 Feb;73(2):264–5

Mitochondrial toxicity of 2,5–diaziridinyl–3,6–bis–(carboethoxyamino)–1,4–benzoqui Oberc–Greenwood MA, et al. **JNCI** 1983 Oct;71(4):725–33

Anti–tumor effect of new 5–fluorouracil derivatives and their influences on the immune response. Mori H, et al. **Jpn J Pharmacol** 1983 Dec;33(6):1205–14

In vitro soft agar assay by use of multiple for screening of tumor sensitivity to anticancer drugs. Ichihashi H, et al. **Jpn J Surg** 1983 Nov;13(6):549–53

Biology of tumors and head and neck cancer chemotherapy. Gussack GS, et al. **Laryngoscope** 1984 Sep;94(9):1181–7

Studies on the effect of homo–aza–steroidal ester of p–bis (2–chloroethyl) amino phenyl acetic acid in Ehrlich ascites tumor cells. Papageorgiou A, et al. **Methods Find Exp Clin Pharmacol** 1984 Jan;6(1):5–9

Cytogenetic effects of an alkyl–lysophospholipid derivative in human peripheral lymphocytes exposed in vitro and in vivo. Bauchinger M, et al. **Mutat Res** 1983 Sep; 121(3–4):225–31

Derivatives of benzo(c)fluorene. XI. Effect of Benfluron on hemopoietic stem cells. Hrubá A, et al. **Neoplasma** 1984; 31(4):407–13

Differences in the blast cells sensitivity to cytostatic drugs in various acute leukemia types and their clinical implications. Kuliszkiewicz–Janus M. **Neoplasma** 1984; 31(3):291–8

Derivatives of benzo(c)fluorene. X. Inhibitory effect of Benfluron on cellular immunity. Paluska E, et al. **Neoplasma** 1984;31(4):399–406

Use of the human tumor stem cell assay to study chemotherapy sensitivity in cancer of the cervix. Parker RL Jr, et al. **Obstet Gynecol** 1984 Sep;64(3):412–6

Cytotoxic effects of alkyl–lysophospholipids in human brain tumor cells. Berdel WE, et al. **Oncology** 1984;41(2):140–5

Inhibition of ribonucleotide reductase by alpha–(N)–heterocyclic carboxaldehyde thiosemicarbazones. Moore EC, et al. **Pharmacol Ther** 1984; 24(3):439–47 (48 ref.)

Antigenic changes related to drug action. Fioretti MC, et al. **Prog Clin Biol Res** 1983;132B:435–45

Cell cycle and effect of antineoplastic drugs: facts and pitfalls. Mauro F, et al. **Prog Clin Biol Res** 1983;132C:199–209

Generation of tumorcidal macrophages and direct selective destruction of tumor cells by membrane active adjuvants. Munder PG, et al. **Prog Clin Biol Res** 1983;132B:393–402

Interactions between 9–hydroxyellipticine and X rays on mammalian cell survival in vitro. Michel S, et al. **Radiat Res** 1983 Dec;96(3):592–602

Cytotoxicity of ether–linked phytanyl phospholipid analogs and related derivatives in human HL–60 leukemia cells and polymorphonuclear neutrophils. Hoffman DR, et al. **Res Commun Chem Pathol Pharmacol** 1984 May; 44(2):293–306

Some effects of linoleic acid and gamma–linolenic acid on the proliferation of human hepatoma cells in culture. Booyens J, et al. **S Afr Med J** 1984 Apr 14;65(15):607–12

Bimolane: structure determination indicates anticancer activity is attributable to ICRF–154. Camerman N, et al. **Science** 1984 Sep 14;225(4667):1165–6

DNA repair induction by cytostatic drugs in proliferating and quiescent MRC–5 cells. Benigni R, et al. **Teratogenesis Carcinog Mutagen** 1983;3(6):481–90

[Structure–activity relationship of hexamethylmelamine derivatives] Su YZ, et al. **Chung Kuo Yao Li Hsueh Pao** 1983 Dec;4(4):276–80 (Eng. Abstr.) **(Chi)**

[Comparison of the effect of five antitumor drugs on the hemopoietic and P388 leukemic stem cells in mice] Zhou QX, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Mar;5(1):66–9 (Eng. Abstr.) **(Chi)**

[Comparison of the sensitivity of murine hematopoietic and P388 leukemic stem cells to five antitumor drugs] Zhou QX, et al. **Yao Hsueh Hsueh Pao** 1983 Oct;18(10):721–5 (Eng. Abstr.) **(Chi)**

[Prediction of response to antineoplastic agents] Favre R, et al. **Presse Med** 1983 Dec 10;12(45):2875–9 (Eng. Abstr.) **(Fre)**

[Clonogenic cultures of human tumors. Potentials and difficulties] Rozencweig M, et al. **Rev Med Liege** 1984 Feb 1;39(3):134–7 **(Fre)**

[The Münster study of intensive induction and consolidation therapy without maintenance therapy of acute myeloid leukemia. Results of 93 patients—cellular determinants for response and length of remission] Büchner T, et al. **Onkologie** 1983 Aug;6(4):176–8 (Eng. Abstr.) **(Ger)**

[Significance of the colony formation test in ovarian carcinoma] Runge HM, et al. **Onkologie** 1984 May;7 Suppl 2:66–73 (Eng. Abstr.) **(Ger)**

[Biological effects of coordination compounds of transitional metals. The beta–lactamase inhibitory effect of cis–platin, 2–aminopyridine palladium chloride, clavulanic acid and penicillanic acid sulfonate CP 45,899 in the nitrocefin test and Titertek/microtiter automatic system] Fleck WF, et al. **Z Allg Mikrobiol** 1983;23(5):313–7 (Eng. Abstr.) **(Ger)**

[Effect of different cytostatic agents and antibiotics on the biology of Trichomonas in vitro] Szarmach H, et al. **Z Hautkr** 1983 Aug 15;58(16):1183–90 (Eng. Abstr.) **(Ger)**

[Effects of ethylenebisnitrosourea on the functions of murine lymphocytes] Teshima R, et al. **Eisei Shikenjo Hokoku** 1983;(101):19–22 (Eng. Abstr.) **(Jpn)**

[In vitro chemosensitivity test of human solid cancer: 3H–thymidine uptake inhibition test] Hanatani Y, et al. **Gan No Rinsho** 1984 Jul;30(9 Suppl):1123–9 (Eng. Abstr.) **(Jpn)**

[Anticancer drug sensitivity tested by tumor stem cell assay] Hiraki S, et al. **Gan No Rinsho** 1984 Jul;30(9 Suppl):1139–45 (Eng. Abstr.) **(Jpn)**

[Uptake of radioactive precursors for the evaluation of sensitivity of anticancer drugs against cancer cells] Ichihashi H, et al. **Gan No Rinsho** 1984 Jul;30(9 Suppl):1130–8 (Eng. Abstr.) **(Jpn)**

[Chemosensitivity testing for human ovarian cancer on in vitro colony assay] Inoue K. **Gan No Rinsho** 1984 Jul;30(9 Suppl):1146–51 (Eng. Abstr.) **(Jpn)**

[Screening test of antitumor agents by human tumor cell lines in nude mice in ascitic form] Kitahara T, et al. **Gan No Rinsho** 1984 Jul;30(9 Suppl):1158–67 (Eng. Abstr.) **(Jpn)**

[Sensitivity test of anticancer agents using human tumor xenografts in nude mice with special reference on correlation between clinical effects and chemotherapy] Nosoh Y, et al. **Gan No Rinsho** 1984 Jul;30(9 Suppl):1181–5 (Eng. Abstr.) **(Jpn)**

[Current clinical status of new anticancer drugs] Ogawa M. **Gan No Rinsho** 1983 Aug;29(10):1049–52 (Eng. Abstr.) **(Jpn)**

[Clinical correlations of drug sensitivity in the human tumor clonogenic assay—heterogeneity in drug sensitivity of human tumors] Tanigawa N, et al. **Gan No Rinsho** 1984 Jul;30(9 Suppl):1152–7 (Eng. Abstr.) **(Jpn)**

[Cytomorphological effect of anticancer drugs on human solid tumors in nude mice—time response] Tokita H, et al. **Gan No Rinsho** 1983 Dec;29(15):1755–60 (Eng. Abstr.) **(Jpn)**

[Differential cell growth inhibition and terminal differentiation induction by chemotherapeutic agents of a human acute myelogenous leukemia cell line (HL–60) in vitro] Himori T, et al. **Gan To Kagaku Ryoho** 1984 Aug; 11(8):1605–11 (Eng. Abstr.) **(Jpn)**

[Antitumor effect of synthetic cord factor analogue, 6, 6'–Di–O–decanoyl–alpha, alpha–trehalose] Ishii F, et al. **Gan To Kagaku Ryoho** 1984 Aug;11(8):1629–34 (Eng. Abstr.) **(Jpn)**

[Studies on the mechanism of antitumor activity of 5–FU and its derivatives—relationship between the inhibition of tumor growth and the inhibition of thymidylate synthetase in vivo] Nakamura H, et al. **Gan To Kagaku Ryoho** 1984 May;11(5):1049–55 (Eng. Abstr.) **(Jpn)**

[Biological response modifying effect of chemotherapeutic agents against cancer] Ogura T. **Gan To Kagaku Ryoho** 1984 May;11(5):965–73 (46 ref.) (Eng. Abstr.) **(Jpn)**

[Analysis of the mechanism of cancer metastasis by using anticancer agents] Ozaki A, et al. **Gan To Kagaku Ryoho** 1984 Feb;11(2):279–84 (Eng. Abstr.) **(Jpn)**

[Mechanism of action and resistance of antineoplastic agents] Tanaka N. **Gan To Kagaku Ryoho** 1983 Nov;10(11):2245–51 (14 ref.) (Eng. Abstr.) **(Jpn)**

[Pharmacology and metabolism of a new therapeutic drug for prostatic cancer 'Estracyt'] Yamanaka H, et al. **Gan To Kagaku Ryoho** 1984 Mar;11(3):537–44 (Eng. Abstr.) **(Jpn)**

[Meningeal gliomatosis models as a chemosensitivity assay system] Yoshida T, et al. **Gan To Kagaku Ryoho** 1984 Mar; 11(3):458–63 (Eng. Abstr.) **(Jpn)**

[In vitro method determining sensitivity of anticancer agents by incorporation of radioactive precursors] Sakakibara S. **Nippon Geka Gakkai Zasshi** 1983 Jan;84(1):8–19 (Eng. Abstr.) **(Jpn)**

[Heterogeneity in drug sensitivity of human tumors in the

human tumor colony-forming assay] Tanigawa N, et al. **Nippon Geka Gakkai Zasshi** 1983 Sep;84(9):800–803 (Eng. Abstr.) **(Jpn)**

[Chemosensitivity of KK-47 bladder cancer cells and KN-41 renal cancer cells heterotransplanted in nude mice] Koizumi H. **Nippon Hinyokika Gakkai Zasshi** 1983 May; 74(5):704–18 (Eng. Abstr.) **(Jpn)**

[Antineoplastic agent sensitivity test by a stem cell assay. 1. Primary culture of renal cell carcinoma in a soft agar medium] Sakuramoto T, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Jul;74(7):1081–5 (Eng. Abstr.) **(Jpn)**

[Chemosensitivity in established human bladder carcinoma and HELA cell lines in vitro] Uchibayashi T. **Nippon Hinyokika Gakkai Zasshi** 1983 Sep;74(9):1606–20 (Eng. Abstr.) **(Jpn)**

[Antiproliferative action of 5'-S-isobutyladenosine in vitro and in vivo on normal and neoplastic mouse cells] Mironova SB, et al. **Biull Eksp Biol Med** 1984 Jun; 97(6):708–10 (Eng. Abstr.) **(Rus)**

[Relaxation of DNA-protein interactions in mouse lymphoblastic leukemic cells exposed to antineoplastic agents] Serebrianyl AM, et al. **Biull Eksp Biol Med** 1983 Sep;96(9):84–6 (Eng. Abstr.) **(Rus)**

[Action of tomizine (4-methoxy-6-aminopyrimido (4,5-b) (1,4)thiazine hydrochloride) on the physicochemical properties of the enzymes of folic acid metabolism—dihydrofolate reductase and nonspecific dihydrofolate reductase] Andreeva NA, et al. **Izv Akad Nauk SSSR [Biol]** 1983 Sep–Oct;(5):766–70 (Eng. Abstr.) **(Rus)**

POISONING

Fear of anticancer drugs [editorial] Zellmer WA. **Am J Hosp Pharm** 1984 Apr;41(4):665

Handling mutagenic drugs [letter] Power LA, et al. **Lancet** 1984 Mar 10;1(8376):569–70

SUPPLY & DISTRIBUTION

Combined services of a community hospital and clinic to provide antineoplastic drugs for outpatients. Johnson KA, et al. **Am J Hosp Pharm** 1984 Jan;41(1):94–8

THERAPEUTIC USE

Elevation of lipid peroxide in children treated with a combination of chemotherapeutic agents including doxorubicin. Horino N, et al. **Acta Paediatr Scand** 1983 Jul;72(4):549–51

Inhibition of cell growth by irradiation in combination with hyperthermia or anticancer drugs. Nakajima K, et al. **Acta Radiol [Oncol]** 1983;22(6):487–92

Adjuvant chemotherapy for common solid tumors. Berstock DA, et al. **Adv Cancer Res** 1983;39:315–27 (30 ref.)

Exploiting biochemical differences in leukemia. Coleman MS, et al. **Adv Exp Med Biol** 1984;165 Pt B:315–20

Modulation of arabinosyladenine metabolism by 2'-deoxycoformycin in the therapy of human acute leukemia. Plunkett W, et al. **Adv Exp Med Biol** 1984;165 Pt B:345–50

Prostate cancer treatment [news] **Am Fam Physician** 1983 Dec;28(6):237–41

Interferons as anticancer agents. Brodsky I, et al. **Am Fam Physician** 1984 Jun;29(6):246–8

The treatment of melanoma with m-AMSA. A Cancer and Leukemia Group B phase II study. Amrein PC, et al. **Am J Clin Oncol** 1984 Jun;7(3):269–71

m-AMSA: phase II trial in advanced lymphoma and leukemia. Case DC Jr. **Am J Clin Oncol** 1984 Aug; 7(4):357–60

Phase II clinical evaluation of AZQ in adenocarcinoma of the lung. Decker DA, et al. **Am J Clin Oncol** 1984 Aug; 7(4):353–5

Phase II trial of PCNU in advanced colorectal carcinoma. An Eastern Cooperative Oncology Group pilot study. Earhart RH, et al. **Am J Clin Oncol** 1984 Aug;7(4):309–12

Phase II clinical evaluation of dihydroxyanthracenedione in patients with advanced lung cancer. Valdivieso M, et al. **Am J Clin Oncol** 1984 Jun;7(3):241–4

Randomized trial of chlorozotocin, neocarzinostatin, or methyl-CCNU in patients with malignant melanoma. Von Hoff DD, et al. **Am J Clin Oncol** 1984 Apr;7(2):135–9

Informed consent: patient information forms in chemotherapy trials. White DR, et al. **Am J Clin Oncol** 1984 Apr; 7(2):183–90

FDA regulations as applied to research in cancer centers. Review of problems and possible solutions. van Eys J. **Am J Pediatr Hematol Oncol** 1984 Summer;6(2):191–6

Overcoming drug resistance in the treatment of cancer. **Am Pharm** 1984 Apr;NS24(4):12–4

Patient education on cancer chemotherapeutic agents. Martin WJ, et al. **Am Pharm** 1983 Oct;NS23(10):32–7

Radiofrequency thermotherapy, local chemotherapy, and arterial occlusion in the treatment of nonresectable cancer. LeVeen HH, et al. **Am Surg** 1984 Feb;50(2):61–5

Antitumor effects of abrin and ricin used singly and in combination with cisplatin. Walker EM Jr, et al. **Ann Clin Lab Sci** 1984 Jan–Feb;14(1):10–20

Hyperthermia and cancer chemotherapy [letter] Ernst E, et al. **Ann Intern Med** 1984 Sep;101(3):399

Antitumour action of 1,5-dihalogeno-, and 1, 2-4, 5-dianhydro-xylitol derivatives. Jeney A, et al. **Anticancer Res** 1984 Jan–Apr;4(1–2):23–5

The antineoplastic activity of hexaziridinocyclotriphosphazene (Myko 63) in murine tumors. Malfiore C, et al. **Anticancer Res** 1983 Nov–Dec; 3(6):425–9

Therapeutic effect of arotinoid Ro 13–6298 in psoriasis. Ott F, et al. **Arch Dermatol Res** 1983;275(4):257–8

Chemical, pharmacological and oncostatic properties of 5-(4'-hydroxybenzylidenoimino)-4, 6-diketo-4, 5, 6, 7-tetrahydropyrimidine-[4, 5-d]-3-methyl-isothiazole (compound IP-10). Machoń Z, et al. **Arch Immunol Ther Exp (Warsz)** 1983;31(5):769–94

Oncostatic properties of the complex of bivalent copper with 3-mercapto-2-hydroxypropyl ether of dextran (C-79). Wieczorek Z, et al. **Arch Immunol Ther Exp (Warsz)** 1983; 31(5):707–13

Myasthenic syndrome and small cell cancer of the lung. Variable response to antineoplastic therapy. Clamon GH, et al. **Arch Intern Med** 1984 May;144(5):999–1000

Single agent chemotherapy for head and neck cancers. The murine subrenal capsule assay. McCormick KJ, et al. **Arch Otolaryngol** 1983 Nov;109(11):715–8

Heterogeneity of human metastatic clones by in vitro chemosensitivity testing. Implications for the clinical application of the clonogenic assay. Bertelsen CA, et al. **Arch Surg** 1983 Dec;118(12):1406–9

Mitoxantrone: a promising new chemotherapeutic agent. Dalton WS, et al. **Ariz Med** 1984 Feb;41(2):96–8

Multicentric reticulohistiocytosis associated with primary biliary cirrhosis: successful treatment with cytotoxic agents. Doherty M, et al. **Arthritis Rheum** 1984 Mar;27(3):344–8

Comparison of tumor response in nude mice and in the patients. Fiebig HH, et al. **Behring Inst Mitt** 1984 May; (74):343–52

Experimental chemotherapy of heterotransplanted Hodgkin- and non-Hodgkin-lymphoma cell lines in nude mice. Kirchner HH, et al. **Behring Inst Mitt** 1984 May; (74):329–36

Clinical prediction of experimental chemotherapy of gynecological tumor xenografts. Kleine W. **Behring Inst Mitt** 1984 May;(74):337–42

Human malignant melanoma: preclinical and clinical drug evaluation. Osieka R. **Behring Inst Mitt** 1984 May; (74):353–67

On the immunopharmacology of cancer chemotherapeutics. Spreafico F. **Behring Inst Mitt** 1984 May;(74):230–8

Studies on the mechanism of action of 2-beta-D-ribofuranosylthiazole-4-carboxamide—V. Factors governing the response of murine tumors to tiazofurin. Ahluwalia GS, et al. **Biochem Pharmacol** 1984 Apr 15;33(8):1195–203

Porphyrin localization: a new modality for detection and therapy of tumors. Kessel D. **Biochem Pharmacol** 1984 May 1;33(9):1389–93

Chemotherapy in AML [letter] Preisler HD. **Blood** 1984 May; 63(5):1258–61

New possibilities of cytostatic drug testing on patient tumor cells by flow cytometry. Valet G, et al. **Blut** 1984 Jul; 49(1):37–43

Twenty-fifth annual general meeting of the British Association for Cancer Research. Abstracts of invited and profferred papers. **Br J Cancer** 1984 Aug;50(2):239–78

Induced and inherent resistance to alkylating agents in human small-cell bronchial carcinoma xenografts. Berman R, et al. **Br J Cancer** 1984 Apr;49(4):431–6

Problems of interpretation of serum concentrations of alpha-foetoprotein (AFP) in patients receiving cytotoxic chemotherapy for malignant germ cell tumours. Coppack S, et al. **Br J Cancer** 1983 Sep;48(3):335–40

Effect of the nitroimidazole Ro 03–8799 on the activity of chemotherapeutic agents against a murine tumour in vivo. Sheldon PW, et al. **Br J Cancer** 1984 Mar;49(3):291–300

Chemotherapy of solid tumours: trials and tribulations [editorial] Mead GM, et al. **Br Med J [Clin Res]** 1984 Feb 25;288(6417):585–6

Acquired resistance to cancer chemotherapy [editorial] Selby P. **Br Med J [Clin Res]** 1984 Apr 28;288(6426):1252–3

Drug resistance and cancer chemotherapy strategy in breast cancer. Goldie JH. **Breast Cancer Res Treat** 1983; 3(2):129–36 (27 ref.)

Efforts to combine endocrine and chemotherapy in the management of breast cancer: do two and two equal three? Lippman ME. **Breast Cancer Res Treat** 1983;3(2):117–27 (38 ref.)

Palliation of advanced head and neck cancer with radiofrequency hyperthermia and cytotoxic chemotherapy. Moffat FL, et al. **Can J Surg** 1984 Jan;27(1):38–41, 47

A memorial issue for Dr. Frank M. Schabel Jr containing articles prepared for the symposium on dose-response relationship in clinical oncology. 13th International Congress of Chemotherapy. Vienna, Austria, August 1983. **Cancer** 1984 Sep 15;54(6 Suppl):1132–238

Chemosensitivity testing of human solid tumors. A review of 1582 assays with 258 clinical correlations. Bertelsen CA, et al. **Cancer** 1984 Mar 15;53(6):1240–5

Models in cytostatic chemotherapy. Brock N, et al. **Cancer** 1984 Sep 15;54(6 Suppl):1229–38

Chemotherapy for primary adenocarcinoma of the small bowel. Jigyasu D, et al. **Cancer** 1984 Jan 1;53(1):23–5

Evaluation of AMSA in children with acute leukemia. A Pediatric Oncology Group study. Krischer J, et al. **Cancer** 1984 Jul 15;54(2):207–10

Primary and acquired resistance to antineoplastic chemotherapy. A preclinical and clinical study. Osieka R. **Cancer** 1984 Sep 15;54(6 Suppl):1168–74

Increasing the therapeutic response rates to anticancer drugs by applying the basic principles of pharmacology. Schabel FM Jr, et al. **Cancer** 1984 Sep 15;54(6 Suppl):1160–7

Prediction of the response to chemotherapy in acute leukemia by a short-term test in vitro. Schwarzmeier JD, et al. **Cancer** 1984 Feb 1;53(3):390–5

Clinical thermochemotherapy. A controlled trial in advanced cancer patients. Storm FK, et al. **Cancer** 1984 Feb 15; 53(4):863–8

Cancer therapy with chemically modified enzymes. I. Antitumor properties of polyethylene glycol-asparaginase conjugates. Abuchowski A, et al. **Cancer Biochem Biophys** 1984 Jun;7(2):175–86

Comparison of the antitumor activity of DTIC and 1-p-(3,3-dimethyl-1-triazeno) benzoic acid potassium salt on murine transplantable tumors and their hematological toxicity. Colombo T, et al. **Cancer Chemother Pharmacol** 1984;13(2):139–41

Antitumor activity of a nitrosourea derivative, CNUA, on murine tumors. Edanami K, et al. **Cancer Chemother Pharmacol** 1984;13(1):22–6

A phase II study of m-AMSA in patients with malignant mesothelioma. Falkson G, et al. **Cancer Chemother Pharmacol** 1983;11(2):94–7

Antitumor activity and toxicity of ACNU, 3-[(4-amino-2-methyl-5-pyrimidinyl)methyl]-1-(2-chlor urea hydrochloride, comparing two divided doses and a single dose. Fujimoto S, et al. **Cancer Chemother Pharmacol** 1984;12(3):173–8

Effect of guanosine on antitumor activity of fluorinated pyrimidines against P 388 leukemia. Iigo M, et al. **Cancer Chemother Pharmacol** 1984;13(2):86–90

2,4-Diamino-6-(bis-2-chloroethyl)aminomethyl pteridine. A new potent anticancer drug. Khaled MA, et al. **Cancer Chemother Pharmacol** 1984;13(2):73–4

Mechanism of the antitumor activity of 5,5'-bis(2'-tetrahydropyranyl) secalonic acid D against Meth-A. Shimizu M, et al. **Cancer Chemother Pharmacol** 1983;11(3):144–6

Cooperative studies of systemic chemotherapy. A review of the work of the EORTC Urological Group and of the Yorkshire Urological Cancer Research Group (YUCRG). Smith PH, et al. **Cancer Chemother Pharmacol** 1983;11 Suppl:S25–31

Chemotherapy of advanced transitional cell carcinoma of the uroepithelium. Torti FM, et al. **Cancer Chemother Pharmacol** 1983;11 Suppl:S1–4 (51 ref.)

Potentiation by amphotericin B of the cytotoxicity of anticancer agents against MOPC-315 plasmacytoma and Lewis lung carcinoma. Valeriote F, et al. **Cancer Chemother Pharmacol** 1984;13(2):126–30

Development and characterization of a new murine renal tumor model. Chemotherapeutic results. Vandendris M, et al. **Cancer Chemother Pharmacol** 1983;11(3):182–7

In vitro drug screening and individualized treatment planning for cancer patients. Tseng MT, et al. **Cancer Detect Prev** 1983;6(3):371–9

Influence of human interferon-alpha therapy on cytotoxic functions of blood lymphocytes. Studies on lectin-dependent cellular cytotoxicity, antibody-dependent cellular cytotoxicity, and natural killer cell activity. Einhorn S, et al. **Cancer Immunol Immunother** 1983; 16(2):77–80

Are patient safeguards adequate? Hirshaut Y. **Cancer Invest** 1983;1(2):195–6

Further studies on the anti-neoplastic activity of 3 beta-hydroxy-13 alpha-amino-13,17-seco-5 alpha-androstan-17-oic-13,17-lactam [p-[bis(2-chloroethyl)amino]-phenyl]acetate (NSC 290205). Catsoulacos P. **Cancer Lett** 1984 Mar; 22(2):199–202

Experimental antitumor activity of 5'-nor-anhydrovinblastine navelbine. Maral R, et al. **Cancer Lett** 1984 Feb;22(1):49–54

In vitro studies on potentiation of cytotoxic effects of anticancer drugs by interferon on a human neoplastic cell line (HeLa). Yamamoto S, et al. **Cancer Lett** 1983 Sep; 20(2):131–8

Antitumor monoclonal antibodies for radioimmunodetection of tumors and drug targeting. Baldwin RW, et al. **Cancer Metastasis Rev** 1983;2(1):89–106 (44 ref.)

Glutathione metabolism as a determinant of therapeutic efficacy: a review. Arrick BA, et al. **Cancer Res** 1984 Oct; 44(10):4224–32 (128 ref.)

An update on the anticancer effects of a combination of chemotherapy and hyperthermia. Bull JM. **Cancer Res** 1984 Oct;44(10 Suppl):4853s–4856s

Hematoporphyrin derivative rescue from toxicity caused by chemotherapy or radiation in a murine leukemia model (L1210). Canti G, et al. **Cancer Res** 1984 Apr;44(4):1551–6

Ovarian reticular cell sarcoma of the mouse (M5076) made resistant to cyclophosphamide. D'Incalci M, et al. **Cancer Res** 1983 Dec;43(12 Pt 1):5674–80

Clinical use of thermal enhancement and therapeutic gain for hyperthermia combined with radiation or drugs. Gillette EL. **Cancer Res** 1984 Oct;44(10 Suppl):4836s–4841s

The genetic origin of drug resistance in neoplasms: implications for systemic therapy. Goldie JH, et al. **Cancer Res** 1984 Sep;44(9):3643–53

Treatment of implanted peritoneal cancer in rats by continuous hyperthermic peritoneal perfusion in combination with an anticancer drug. Koga S, et al. **Cancer Res** 1984 May;44(5):1840–2

A four-day subrenal capsule assay for testing the effectiveness of anticancer drugs against human tumors. Levi FA, et al. **Cancer Res** 1984 Jun;44(6):2660–7

Chemoimmunotherapy of B 16 melanoma and P388 leukemia with cyclophosphamide and pyrimidinones. Li LH, et al. **Cancer Res** 1984 Jul;44(7):2841–7

Specific enhancement of drug delivery to AKR lymphoma by antibody-targeted small unilamellar vesicles. Matthay KK, et al. **Cancer Res** 1984 May;44(5):1880–6

Antimetastatic action and hematological toxicity of p-(3,3-dimethyl-1-triazeno)benzoic acid potassium salt and 5-(3,3-dimethyl-1-triazeno)imidazole-4-carboxamide used as prophylactic adjuvants to surgical tumor removal in mice bearing B16 melanoma. Sava G, et al. **Cancer Res** 1984 Jan;44(1):64–8

Potentiation of antitumor and antimetastatic activities of alpha-difluoromethylornithine by interferon inducers. Sunkara PS, et al. **Cancer Res** 1984 Jul;44(7):2799–802

Report of the Cancer Chemotherapy Collaborative Program Review Committee: the Richardson report. June 1966, National Cancer Institute, National Institutes of Health, Bethesda, Maryland. **Cancer Treat Rep** 1984 Jan; 68(1):343–56

Phase II trial of amsacrine in patients with hepatoma: a Cancer and Leukemia Group B study. Amrein PC, et al. **Cancer Treat Rep** 1984 Jun;68(6):923–4

Phase II trial of 4'-epi-doxorubicin in patients with advanced malignant melanoma. Berman E, et al. **Cancer Treat Rep** 1984 Apr;68(4):679–80

Induced cell differentiation in cancer therapy. Bloch A. **Cancer Treat Rep** 1984 Jan;68(1):199–205

Evaluation of aminoglutethimide in stage D prostate cancer: an assessment of efficacy and toxicity in patients with tumors refractory to hormonal therapy. Block M, et al. **Cancer Treat Rep** 1984 May;68(5):719–22

Cytotoxicity of several chemotherapeutic agents in a human pancreatic cancer cell line (Colo-357). Cadman E, et al. **Cancer Treat Rep** 1984 Feb;68(2):429–30

Phase II study of oral medroxyprogesterone acetate in advanced germ cell tumors. Cavalli F, et al. **Cancer Treat Rep** 1983 Oct;67(10):953–4

Clinical evaluation of 4-demethoxydaunorubicin in patients with advanced malignant lymphoma. Coonley CJ, et al. **Cancer Treat Rep** 1983 Oct;67(10):949–50

Chlorozotocin: phase II evaluation in patients with myeloma. Cornell CJ Jr, et al. **Cancer Treat Rep** 1984 Apr;68(4):685–6

Iv administration of a water-insoluble antimitotic compound entrapped in liposomes. Preliminary report on infusion of large volumes of liposomes to man. Coune A, et al. **Cancer Treat Rep** 1983 Nov;67(11):1031–3

Phase II trial of amsacrine in children with advanced metastatic neuroblastoma. De Bernardi B, et al. **Cancer Treat Rep** 1984 Jul-Aug;68(7-8):1051–2

Evaluation of gallium nitrate in metastatic or locally recurrent squamous cell carcinoma of the head and neck: a Southwest Oncology Group study. Decker DA, et al. **Cancer Treat Rep** 1984 Jul-Aug;68(7-8):1047–8

Contrasting viewpoints on cancer drug development: the Wooldridge and Richardson reports. DeVita VT Jr. **Cancer Treat Rep** 1984 Jan;68(1):339–40

Phase I study of diaziquone. Frytak S, et al. **Cancer Treat Rep** 1984 Jul-Aug;68(7-8):975–8

Randomized phase II trial of hexamethylmelamine versus pentamethylmelamine in carcinoma of the bilharzial bladder. Gad-el-Mawla N, et al. **Cancer Treat Rep** 1984 May;68(5):793–4

Phase II trial of diaziquone in advanced renal adenocarcinoma. Hansen M, et al. **Cancer Treat Rep** 1984 Jul-Aug;68(7-8):1055–6

Phase II trial of 4-demethoxydaunorubicin in advanced colorectal carcinoma. Harper HD, et al. **Cancer Treat Rep** 1984 Apr;68(4):689–90

Phase II trial of PCNU in advanced renal cell carcinoma and malignant melanoma. Harvey JH, et al. **Cancer Treat Rep** 1984 Jul-Aug;68(7-8):1049–50

Correlation between estrogen-receptor proteins and response to chemotherapy in patients with breast cancer. Kiang DT. **Cancer Treat Rep** 1984 Apr;68(4):577–9

Use of a human tumor cloning system to evaluate analogs of methotrexate and mitoxantrone. Lathan B, et al. **Cancer Treat Rep** 1984 May;68(5):733–8

PCNU treatment for recurrent malignant gliomas. Levin VA, et al. **Cancer Treat Rep** 1984 Jul-Aug;68(7-8):969–73

Relationship between estrogen-receptor proteins and response to chemotherapy in breast cancer. Levine RM, et al. **Cancer Treat Rep** 1984 Apr;68(4):573–6

Phase I trial of N-methylformamide. McVie JG, et al. **Cancer Treat Rep** 1984 Apr;68(4):607–10

Phase I-II diaziquone chemotherapy in brain tumors. Madajewicz S, et al. **Cancer Treat Rep** 1984 Jun;68(6):913–4

Clinical development of anticancer agents--a National Cancer Institute perspective. Marsoni S, et al. **Cancer Treat Rep** 1984 Jan;68(1):77–85

Phase II evaluation of amsacrine in colorectal, gastric, and pancreatic carcinomas: a Southeastern Cancer Study Group trial. Omura GA, et al. **Cancer Treat Rep** 1984 Jun; 68(6):929–30

Treatment of metastatic sarcomas with mitoxantrone. Presant CA, et al. **Cancer Treat Rep** 1984 May;68(5):813–4

Mitoxantrone in malignant melanoma. Presant CA, et al. **Cancer Treat Rep** 1984 Jun;68(6):903–5

A review of the report of the 1966 Cancer Chemotherapy Collaborative Program Review Committee. Richardson AP. **Cancer Treat Rep** 1984 Jan;68(1):340–1

Predictive tests for the response to cancer chemotherapy: limitations related to the prediction of rare events. Rozencweig M, et al. **Cancer Treat Rep** 1984 Apr; 68(4):611–3

Human tumor colony assay and chemosensitivity testing. Salmon SE. **Cancer Treat Rep** 1984 Jan;68(1):117–25

Cancer Treatment Reports 1959-1983: background review and tabular compilation of most cited articles. Sloane EM, et al. **Cancer Treat Rep** 1984 Jan;68(1):329–37

Phase II evaluation of metoprine in advanced pancreatic adenocarcinoma. Sternberg CN, et al. **Cancer Treat Rep** 1984 Jul-Aug;68(7-8):1053–4

Phase II clinical trial of mitoxantrone in patients with advanced renal cell carcinoma: a Southwest Oncology Group study. Taylor SA, et al. **Cancer Treat Rep** 1984 Jun; 68(6):919–20

Liposomes as drug carriers in cancer therapy. Weinstein JN. **Cancer Treat Rep** 1984 Jan;68(1):127–35

Origins and development of chemotherapy research at the National Cancer Institute. Zubrod CG. **Cancer Treat Rep** 1984 Jan;68(1):9–19

Chemotherapy of non-small cell lung cancer: a reappraisal and a look to the future. Bakowski MT, et al. **Cancer Treat Rev** 1983 Sep;10(3):159–72 (80 ref.)

Mitoxantrone--a critique. Holland JF. **Cancer Treat Rev** 1983 Dec;10 Suppl B:77–9

Mitoxantrone as first line cytotoxic therapy in advanced breast cancer: preliminary results of a phase II study. Mouridsen HT, et al. **Cancer Treat Rev** 1983 Dec;10 Suppl B:47–52

Mitoxantrone versus doxorubicin in advanced breast cancer: a randomized cross-over trial. Neidhart JA, et al. **Cancer Treat Rev** 1983 Dec;10 Suppl B:41–6

Mitoxantrone in acute lymphoblastic leukemia. Paciucci PA, et al. **Cancer Treat Rev** 1983 Dec;10 Suppl B:65–8

Sequential studies on the role of mitoxantrone in the treatment of acute leukaemia. Prentice HG, et al. **Cancer Treat Rev** 1983 Dec;10 Suppl B:57–63

Therapeutic activity of mitoxantrone and ametantrone against murine tumors. Schabel FM Jr, et al. **Cancer Treat Rev** 1983 Dec;10 Suppl B:13–21 (21 ref.)

Mitoxantrone (Novantrone) as single agent and in combination chemotherapy in the treatment of advanced breast cancer. Smith IE, et al. **Cancer Treat Rev** 1983 Dec; 10 Suppl B:37–40

Predicting response of human solid tumors to chemotherapy. Tanneberger S, et al. **Cancer Treat Rev** 1983 Dec; 10(4):203–19 (118 ref.)

Clinical use of hematoporphyrin derivative in malignant tumors. Ha XW, et al. **Chin Med J [Engl]** 1983 Oct; 96(10):754–8

Phase II evaluation of AT-1727 in advanced human cancer. Zhang ZY, et al. **Chin Med J [Engl]** 1983 Aug;96(8):601–3

Effects of cytotoxic drugs on proliferative vitreoretinopathy in the rabbit cell injection model. Sunalp M, et al. **Curr Eye Res** 1984 Apr;3(4):619–23

Solcoderm. **Dermatologica** 1984;168 Suppl 1:5–65

Differential aspects of Solcoderm therapy as a function of dermatologic diagnoses. Binet O, et al. **Dermatologica** 1984; 168 Suppl 1:58–62

Topical treatment of condylomata acuminata with Solcoderm. Brokalakis J, et al. **Dermatologica** 1984;168 Suppl 1:49–51

Treatment of naevi and warts by topical chemotherapy with Solcoderm. Burri P. **Dermatologica** 1984;168 Suppl 1:52–7

Histopathologic and electron microscopic studies of the effects of Solcoderm on normal epidermis and superficial cutaneous tumors. Césarini JP. **Dermatologica** 1984;168 Suppl 1:15–25

Solcoderm treatment of epidermal growths including intradermal nevi. Haim S, et al. **Dermatologica** 1984;168 Suppl 1:46–8

An overview of clinical experience with Solcoderm. Labhardt WC. **Dermatologica** 1984;168 Suppl 1:31–2

Long-term (5-8 years) follow-up of Solcoderm-treated malignant skin tumors. Ravid M, et al. **Dermatologica** 1984; 168 Suppl 1:63–5

Cumulative experience with Solcoderm in the treatment of basal cell epithelioma. Schewach-Millet M, et al. **Dermatologica** 1984;168 Suppl 1:43–5

Double-blind study of variables influencing the clinical effect of Solcoderm. Weiner M, et al. **Dermatologica** 1984;168 Suppl 1:26–30

Mitoxantrone: a replacement for doxorubicin? Conner CS. **Drug Intell Clin Pharm** 1984 Jun;18(6):479–80

Current status of chemotherapy of breast cancer. Coates A. **Drugs** 1984 Aug;28(2):93–8 (42 ref.)

Prediction of response to cancer chemotherapy. Sarosdy MF, et al. **Drugs** 1983 Nov;26(5):454–9 (48 ref.)

Phase II study of doxifluridine in advanced squamous cell carcinoma of the head and neck. Abele R, et al. **Eur J Cancer Clin Oncol** 1984 Mar;20(3):333–6

Divergent activity of derivatives of amsacrine (m-AMSA) towards Lewis lung carcinoma and P388 leukaemia in mice. Baguley BC, et al. **Eur J Cancer Clin Oncol** 1983 Nov; 19(11):1607–13

Phase II study of amsacrine in refractory lymphomas. A report of the EORTC Early Clinical Trials Group. Bramwell VH, et al. **Eur J Cancer Clin Oncol** 1984 Jun; 20(6):753–9

The quantitation of sister chromatid exchanges in lymphocytes of cancer patients at intervals after cytotoxic chemotherapy. Clare MG, et al. **Eur J Cancer Clin Oncol** 1983 Nov;19(11):1509–15

Phase II study of 9-hydroxy-2N-methylellipticinium acetate. Clarysse A, et al. **Eur J Cancer Clin Oncol** 1984 Feb; 20(2):243–7

Mitoxantrone in advanced breast cancer--a phase II study with special attention to cardiotoxicity. Coleman RE, et al. **Eur J Cancer Clin Oncol** 1984 Jun;20(6):771–6

Lipids and liposomes for improving efficacy of cancer chemotherapy. Coune A. **Eur J Cancer Clin Oncol** 1984 Mar;20(3):443–5

Vindesine and cisplatin combination chemotherapy compared with vindesine as a single agent in the management of non-small cell lung cancer: a randomized study. Elliott JA, et al. **Eur J Cancer Clin Oncol** 1984 Aug;20(8):1025–32

Spontaneous alteration in growth rates of two human melanoma xenografts. Concurrent changes in chemosensitivity. Fodstad O, et al. **Eur J Cancer Clin Oncol** 1983 Aug;19(8):1175–8

Childhood rhabdomyosarcoma xenografts: responses to DNA-interacting agents and agents used in current clinical therapy. Houghton JA, et al. **Eur J Cancer Clin Oncol** 1984 Jul;20(7):955–60

The effects of a novel potent oral retinoid (Ro13-6298) in the treatment of multiple solar keratoses and squamous cell epithelioma. Kingston T, et al. **Eur J Cancer Clin Oncol** 1983 Sep;19(9):1201–5

The chemosensitivity of a new experimental model--the M5076 reticulum cell sarcoma. Langdon SP, et al. **Eur J Cancer Clin Oncol** 1984 May;20(5):699–705

Hyperthermia and chemotherapy: when will they be used in the clinical treatment of cancer? Magin RL. **Eur J Cancer Clin Oncol** 1983 Nov;19(11):1655–8

Inhibition by hydroxy-N-methyl elliptinium of precancerous mammary hyperplastic alveolar nodule formation in mice. Nagasawa H, et al. **Eur J Cancer Clin Oncol** 1984 Feb; 20(2):273–6

Cytological evaluation of the effectiveness of cytostatic therapy in leukemia. Raposa T. **Eur J Cancer Clin Oncol** 1983 Nov;19(11):1651–3

Patient motivation and informed consent in a phase I study of an anticancer agent. Rodenhuis S, et al. **Eur J Cancer Clin Oncol** 1984 Apr;20(4):457–62

EORTC phase II trial of vindesine in advanced melanoma. Rümke P, et al. **Eur J Cancer Clin Oncol** 1983 Aug; 19(8):1173–4

Effects of p-(3,3-dimethyl-1-triazeno)benzoic acid potassium salt on leukemic infiltration of brain and liver in mice bearing P388 leukemia. Sava G, et al. **Eur J Cancer Clin Oncol** 1984 Feb;20(2):287–9

Antineoplastic activity and toxicity of an organometallic complex of ruthenium(II) in comparison with cis-PDD in mice bearing solid malignant neoplasms. Sava G, et al. **Eur J Cancer Clin Oncol** 1984 Jun;20(6):841–7

Tamoxifen and medroxyprogesterone therapy for advanced endometrial carcinoma. Rendina GM, et al. **Eur J Obstet Gynecol Reprod Biol** 1984 Jun;17(4):285–91

Cross-resistance of vincristine-resistant sublines of P388 leukemia to mitoxantrone with special emphasis on the relationship between in vitro and in vivo cross-resistance. Inaba M, et al. **Gann** 1984 Jul;75(7):625–30

Clonogenic cell assay for carcinoma of the lung. Kanzawa F, et al. **Gann** 1984 Jan;75(1):81–8

Müllerian inhibiting substance inhibition of a human endometrial carcinoma cell line xenografted in nude mice. Fuller AF Jr, et al. **Gynecol Oncol** 1984 Jan;17(1):124–32

Response of human adenocarcinoma to chemotherapy: as sole agents and in combination with sodium ibuprofen. Stratton JA, et al. **Gynecol Oncol** 1984 Jun;18(2):145–9

Acute rhabdomyolysis during treatment with epsilon aminocaproic acid. Description of two cases. Luliri P, et al. **Haematologica (Pavia)** 1983 Sep-Oct;68(5):664–9

Hodgkin's disease in a patient after treatment for angioimmunoblastic lymphadenopathy. Melato M, et al. **Haematologica (Pavia)** 1983 Sep-Oct;68(5):675–9

Adjuvant therapy for carcinoma of the colon and rectum. Higgins GA. **Int Adv Surg Oncol** 1984;7:77–111

Present status of chemosensitivity assays. Kern DH, et al. **Int Adv Surg Oncol** 1984;7:187–213

The efficacy of large volume plasma exchange in chemotherapy resistant malignancies. Beyer JH, et al. **Int J Artif Organs** 1984 Jan;7(1):47–51

Chemosensitivity of human melanoma xenografts in immunocompetent mice and its histological evaluation. Dumont P, et al. **Int J Cancer** 1984 Apr 15;33(4):447–51

Correlation of intralesional in vivo chemotherapy of line 10 hepatoma with in vitro drug sensitivity. Osman FA, et al. **Int J Cell Cloning** 1983 Jun;1(2):118–27

Combined effects of chemotherapy and host antitumor response in a murine histocompatible lymphoma model. Marconi P, et al. **Int J Immunopharmacol** 1984;6(3):217–22

Modification of the effects of continuous low dose rate irradiation by concurrent chemotherapy infusion. Fu KK, et al. **Int J Radiat Oncol Biol Phys** 1984 Aug;10(8):1473–8

Radiation and concurrent chemotherapy for the treatment of Lewis lung tumor and B16 melanoma tumor in C57/BL

mice. Pedersen JE, et al. **Int J Radiat Oncol Biol Phys** 1984 Aug;10(8):1479–82

Fourth NCI-EORTC symposium on new drugs in cancer therapy. Brussels, Belgium, December 14–17, 1983. Abstracts. **Invest New Drugs** 1984;2(1):85–128

The human tumor cloning assay in cancer drug development. A review. Agre P, et al. **Invest New Drugs** 1983;1(1):33–45 (89 ref.)

Phase II study of Baker's antifol (triazinate, TZT, NSC 139, 105) in advanced carcinoma of the ovary. A Gynecologic Oncology Group study. Arseneau JC, et al. **Invest New Drugs** 1983;1(2):185–8

Phase I and pharmacologic evaluation of nafazatrom in patients with cancer. Haas CD, et al. **Invest New Drugs** 1984;2(1):13–7

Vindesine in head and neck cancer. A Southwest Oncology Group Phase II pilot study. Haas CD, et al. **Invest New Drugs** 1983;1(4):339–40

Effects of diflubenzuron on growth of malignant melanoma and skin carcinoma tumors in mice. Jenkins VK, et al. **Invest New Drugs** 1984;2(1):19–27

Mitoxantrone in advanced breast cancer: a phase II trial of the Southwest Oncology Group. Knight WA 3d, et al. **Invest New Drugs** 1983;1(2):181–4

Clinical evaluation of 4'-epi-doxorubicin in advanced solid tumors. Robustelli Della Cuna G, et al. **Invest New Drugs** 1983;1(4):349–53

Phase I trial with 4'-deoxydoxorubicin (esorubicin). Rozencweig M, et al. **Invest New Drugs** 1983;1(4):309–13

Evaluation of various cytostatic drugs as local immunotherapeutic agents. Scheper RJ, et al. **Invest New Drugs** 1984;2(2):221–5

The clinical information system. Memorial Sloan-Kettering Cancer Center system for clinical oncology. Serber MJ. **Invest New Drugs** 1983;1(3):259–63

Spiromustine: a new agent entering clinical trials. Shoemaker DD, et al. **Invest New Drugs** 1983;1(4):303–8 (18 ref.)

Phase II evaluation of rubidazone (NSC-164011) in advanced carcinoma of the breast. A Southwest Oncology Group study. Smith FE, et al. **Invest New Drugs** 1983;1(4):315–9

Evaluation of new estrogen-linked 2-chloroethylnitrosoureas. I. Short term anticancer efficacy in methylnitrosourea-induced rat mammary carcinoma and hormonal activity in mice. Berger MR, et al. **J Cancer Res Clin Oncol** 1984;108(1):148–53

Onc genes and other new targets for cancer chemotherapy. Busch H. **J Cancer Res Clin Oncol** 1984;107(1):1–14 (144 ref.)

Developing new drugs for ovarian cancer: a challenging task in a changing reality. Canetta RM, et al. **J Cancer Res Clin Oncol** 1984;107(2):111–24 (157 ref.)

Immunologic response to the treatment of Ehrlich ascites tumor with titanocene dichloride. Köpf-Maier P, et al. **J Cancer Res Clin Oncol** 1984;108(2):254–5

Chemotherapy in advanced ovarian cancer. Rodenburg CJ, et al. **J Cancer Res Clin Oncol** 1984;107(2):99–105 (47 ref.)

Cytostatic activity of steroid linked nitrosoureas. Zeller WJ, et al. **J Cancer Res Clin Oncol** 1984;108(1):164–8

Phase II study of doxifluridine in advanced colorectal adenocarcinoma. Abele R, et al. **J Clin Oncol** 1983 Dec; 1(12):750–4

Analysis of survival by tumor response. Anderson JR, et al. **J Clin Oncol** 1983 Nov;1(11):710–9

A critical comparison of allogeneic bone marrow transplantation and conventional chemotherapy as treatment for acute nonlymphocytic leukemia. Begg CB, et al. **J Clin Oncol** 1984 May;2(5):369–78

Human tumor clonogenic assay in patients with unknown primary carcinomas. Greenberg BR, et al. **J Clin Oncol** 1984 Jan;2(1):46–50

Functional organization of the hematopoietic stem cell compartment: implications for cancer and its therapy. Hellman S, et al. **J Clin Oncol** 1983 Apr;1(4):277–84

Data recycling and misreading: two potential errors in pooled data from small studies. Hillcoat BL. **J Clin Oncol** 1984 Sep;2(9):1047–9

Charts for the early stopping of pilot studies. Mehta CR, et al. **J Clin Oncol** 1984 Jun;2(6):676–82

The biology and treatment of superficial bladder cancer. Torti FM, et al. **J Clin Oncol** 1984 May;2(5):505–31 (214 ref.)

Antitumor studies of 2-amino-2-thiazoline and other tumor-modifying agents. Pine MJ, et al. **J Med** 1983; 14(5–6):433–49

Improved synthesis and antitumor evaluation of 5,8-dideazaisofolic acid and closely related analogues. Hynes JB, et al. **J Med Chem** 1984 Feb;27(2):232–5

Methotrexate analogues. 18. Enhancement of the antitumor effect of methotrexate and 3',5'-dichloromethotrexate by the use of lipid-soluble diesters. Rosowsky A, et al. **J Med Chem** 1983 Oct;26(10):1448–52

2-Chloroethyl (methylsulfonyl)methanesulfonate and related (methylsulfonyl)methanesulfonates. Antineoplastic activity in vivo. Shealy YF, et al. **J Med Chem** 1984 May; 27(5):664–70

Cancer chemotherapy: past, present, and future—Part I. Wright JC. **J Natl Med Assoc** 1984 Aug;76(8):773–84 (122 ref.)

Chemosensitivity of malignant human brain tumors. Preliminary results. Bogdahn U. **J Neurooncol** 1983; 1(2):149–66

A phase II trial of 1-(2-chloroethyl)-3-(2,6-dioxo-3-piperidyl)-1-nitrosoure (PCNU, NSC 95466) in recurrent malignant brain tumors. Feun LG, et al. **J Neurooncol** 1983;1(1):45–8

A phase II trial of 2,5,-diaziridinyl 3,6-bis (carboethoxy amino) 1,4-benzoquinone (AZQ, NSC 182986) in recurrent primary brain tumors. Feun LG, et al. **J Neurooncol** 1984; 2(1):13–7

Human central nervous system pharmacology of pentamethylmelamine and its metabolites. Stewart DJ, et al. **J Neurooncol** 1983;1(4):357–64

Optimal chemotherapy for ovarian carcinoma: discussion paper. Lambert HE. **J R Soc Med** 1984 Jan;77(1):45–9

The synergistic effect of hyperthermia and chemotherapy on murine transitional cell carcinoma. Haas GP, et al. **J Urol** 1984 Oct;132(4):828–33

Adjuvant chemotherapy for stage II nonseminomatous testicular cancer. Javadpour N. **J Urol** 1984 May; 131(5):1019

Soft agar colony formation assay for in vitro chemotherapy sensitivity testing of human renal cell carcinoma: Mayo Clinic experience. Lieber MM. **J Urol** 1984 Feb; 131(2):391–3

Comparison of the efficacy of intravesical Bacillus Calmette-Guérin with thiotepa, mitomycin C, poly I:C/poly-L-lysine and cis platinum in murine bladder cancer. Shapiro A, et al. **J Urol** 1984 Jan;131(1):139–42

Androgen suppression by a gonadotropin releasing hormone analogue in patients with metastatic carcinoma of the prostate. Smith JA Jr. **J Urol** 1984 Jun;131(6):1110–2

A comparison of a powerful luteinizing hormone releasing hormone analogue agonist and estrogen in the treatment of advanced prostatic cancer. Winfield H, et al. **J Urol** 1984 Jun;131(6):1107–9

New prostate cancer drugs: few CV effects? Henahan J. **JAMA** 1983 Oct 28;250(16):2097–9

Effect of five antineoplastic agents on tumor xenografts with different growth rates. Mattern J, et al. **JNCI** 1984 Jun; 72(6):1335–9

Possible role of glutathione in the antitumor effect of a copper-containing synthetic superoxide dismutase in mice. Oberley LW, et al. **JNCI** 1983 Nov;71(5):1089–94

Photodynamic effects of exposure to hematoporphyrin derivatives and dye-laser radiation on human gastric adenocarcinoma cells. Tatsuta M, et al. **JNCI** 1984 Jul; 73(1):59–67

Amphotericin B potentiation of the cytotoxicity of anticancer agents against both normal hematopoietic and leukemia cells in mice. Valeriote F, et al. **JNCI** 1984 Aug; 73(2):475–82

Mitozantrone [editorial] **Lancet** 1984 Aug 4;2(8397):265–6

Complete remission in hairy cell leukaemia achieved with pentostatin [letter] Spiers AS, et al. **Lancet** 1984 May 12; 1(8385):1080–1

Systemic lupus erythematosus XII: Cytotoxic therapy and pheresis. Stevens MB. **Md State Med J** 1984 Jul; 33(7):538–40 (29 ref.)

Cytotoxics first for invasive bladder cancer. Sandeman TF. **Med J Aust** 1984 Mar 3;140(5):253–4

The Kerry Burke case and homoharringtonine [letter] Sullivan J, et al. **Med J Aust** 1984 Sep 1;141(5):317–8

Chlorozotocin treatment of advanced gastrointestinal cancer. Veronesi A, et al. **Med Pediatr Oncol** 1983;11(5):365–6

Studies of rhenium carboxylates as antitumor agents. Part II. Antitumor studies of bis (mu-propionato) diaquotetrabromodirhenium (III) in tumor-bearing mice. Eastland GW Jr, et al. **Methods Find Exp Clin Pharmacol** 1983 Sep;5(7):435–8

Cytotoxic drugs in the treatment of rheumatic diseases. Waytz P. **Minn Med** 1983 Jul;66(7):429

Metastases limited [letter] Grassetti DR. **Nature** 1984 Apr 5–11;308(5959):500

Alkylphosphonium salts as a new class of antitumor agents. Sanyal U, et al. **Neoplasma** 1984;31(2):149–55

Intensive chemotherapy with autologous bone marrow rescue for recurrent malignant gliomas. Nomura K, et al. **Neurosurg Rev** 1984;7(1):13–22

Chemotherapy of malignant gliomas. Ushio Y, et al. **Neurosurg Rev** 1984;7(1):3–12 (57 ref.)

Immunomodulatory treatment of HBsAg positive chronic hepatitis with specific substance Maruyama (SSM). Okumura H, et al. **Nippon Ika Daigaku Zasshi** 1984 Apr; 51(2):192–9

Lonidamine. Proceedings of the IInd international symposium, Vancouver 1982. **Oncology** 1984;41 Suppl 1:1–123

Influence of the alkyllysophospholipid ET-18-OCH3 on methylnitrosourea-induced rat mammary carcinomas. Berger MR, et al. **Oncology** 1984;41(2):109–13

Application of radioactive precursors for the evaluation of sensitivity of cancer cells to anticancer drugs. Ichihashi H, et al. **Oncology** 1984;41(2):88–95

Renal cell carcinoma—xenotransplantation into immuno-suppressed mice. Kopper L, et al. **Oncology** 1984; 41(1):19–24

Antitumor therapeutic effect of neurotropin on transplanted tumors in rats. Mizushima Y, et al. **Oncology** 1984; 41(4):289–92

Workshop on response criteria and evaluation of the stable disease category in carcinoma of the prostate, breast, and large bowel. Murphy GP. **Oncology** 1984;41(1):64–7

Evaluation of chemotherapy in a murine model for bladder cancer. Murphy GP, et al. **Oncology** 1984;41(3):195–9

Antibody production following immunization with diphtheria and tetanus toxoids in children receiving chemotherapy during remission of malignant disease. Kung FH, et al. **Pediatrics** 1984 Jul;74(1):86–9

How to control beam profile during laser photoradiation therapy. McKenzie AL. **Phys Med Biol** 1984 Jan;29(1):53–6

Clinical application and limitation. Eckhardt S. **Prog Clin Biol Res** 1983;132E:145–9

Long-term effects of postoperative adjuvant chemotherapy on the immune system in 100 cancer patients. Israel L, et al. **Prog Clin Biol Res** 1983;132E:35–44

Important gaps in patients' knowledge prior to chemotherapy. Jones WL, et al. **Prog Clin Biol Res** 1983; 130:391–400

In vitro chemotherapy sensitivity testing for genitourinary malignancies. Lieber MM. **Prog Clin Biol Res** 1984; 153:51–65 (27 ref.)

Compliance with chemotherapy: theoretical basis and intervention design. Richardson JL, et al. **Prog Clin Biol Res** 1983;130:379–90

Experimental basis of adjuvant chemotherapy. Sakurai Y. **Prog Clin Biol Res** 1983;132E:3–10

Adjuvant chemotherapy in urological tumors. Stoter G, et al. **Prog Clin Biol Res** 1984;153:587–93 (18 ref.)

Cell biological systems for prediction of individual human tumor drug sensitivity. Tanneberger S, et al. **Prog Clin Biol Res** 1983;132E:129–43

The role of systemic chemotherapy in advanced bladder cancer. van Groeningen CJ, et al. **Prog Clin Biol Res** 1984; 153:381–93 (34 ref.)

Treatment of seminomas with chemotherapy. van Oosterom AT, et al. **Prog Clin Biol Res** 1984;153:103–9

The design, synthesis and development of a new class of potent antineoplastic anthraquinones. Cheng CC, et al. **Prog Med Chem** 1983;20:83–118 (254 ref.)

Investigational trials of anticancer drugs: establishing safeguards for experimentation. Chabner BA, et al. **Public Health Rep** 1984 Jul-Aug;99(4):355–60

First experimental and clinical results of isolated liver perfusion with cytotoxics in metastases from colorectal primary. Aigner K, et al. **Recent Results Cancer Res** 1983; 86:99–102

Transient repeated dearterialization combined with intra-arterial infusion of oncolytic drugs in the treatment of liver tumors. Bengmark S, et al. **Recent Results Cancer Res** 1983;86:68–74

Therapeutic activity of medroxyprogesterone acetate in metastatic breast cancer: a correlation between estrogen receptors and various dosages. De Lena M, et al. **Recent Results Cancer Res** 1984;91:243–7

Acute myelogenous leukemia: current status of therapy in adults. Foon KA, et al. **Recent Results Cancer Res** 1984; 93:216–39 (176 ref.)

'Atypical' leukemias: preleukemia, smoldering leukemia and hypoplastic leukemia. Hoelzer D, et al. **Recent Results Cancer Res** 1984;93:69–101 (213 ref.)

Improved quality of life with an implantable pump for liver perfusion. Kempf P, et al. **Recent Results Cancer Res** 1983; 86:87–9

Intra-arterial infusion therapy for pulmonary tumours. Kokron O, et al. **Recent Results Cancer Res** 1983;86:128–36

Chemotherapy by isolated regional perfusion for melanoma of the limbs. Krementz ET. **Recent Results Cancer Res** 1983;86:193–203

Fluorescence-histochemical and electron-microscopical investigations in melanoma patients after isolated cytostatic perfusion. Paul E, et al. **Recent Results Cancer Res** 1983; 86:246–53

Arterial infusion chemotherapy for hepatic metastases. Pettavel J. **Recent Results Cancer Res** 1983;86:63–7

Clinical experience in the use of intra-arterial infusion chemotherapy in the treatment of cancers in the head and neck, the extremities, the breast and the stomach. Stephens FO. **Recent Results Cancer Res** 1983;86:122–7

Catheterization of the portal vein by the transumbilical approach for intrahepatic chemotherapy. Weigand H, et al. **Recent Results Cancer Res** 1983;86:90–1

The reversibility of cancer [letter] Van der Merwe CF. **S Afr Med J** 1984 Jan 28;65(4):113–4

Administration of a retinoid as prophylaxis of recurrent non-invasive bladder tumors. Pedersen H, et al. **Scand J Urol Nephrol** 1984;18(2):121–3

Treatment of metastatic disease of the liver: a skeptic's view. Foster JH. **Semin Liver Dis** 1984 May;4(2):170–9 (52 ref.)

Clinical trials: a recent emphasis in the prevention program of the National Cancer Institute. DeWys WD, et al. **Semin Oncol** 1983 Sep;10(3):360–4

Hormonal therapy and chemotherapy of renal-cell carcinoma. Harris DT. **Semin Oncol** 1983 Dec;10(4):422–30 (113 ref.)

Selection of participants for clinical trials in cancer prevention. Horton J. **Semin Oncol** 1983 Sep;10(3):348–54

Chemotherapy of esophageal cancer. Kelsen D. **Semin Oncol** 1984 Jun;11(2):159–68 (41 ref.)

Therapy of Kaposi's sarcoma in AIDS. Volberding P. **Semin Oncol** 1984 Mar;11(1):60–7

Ethics and chemoprevention research. Weed DL. **Semin Oncol** 1983 Sep;10(3):355–9

Chemotherapy for advanced urothelial cancer. Yagoda A. **Semin Urol** 1983 Feb;1(1):60–74 (84 ref.)

Chemotherapy for metastatic disease. Carter SK. **Symp Fundam Cancer Res** 1983;36:397–410 (2 ref.)

Concepts for the treatment of tumor metastasis. Griswold DP Jr, et al. **Symp Fundam Cancer Res** 1983;36:389–96 (21 ref.)

Sister chromatid exchange in childhood malignancies. Szollár J, et al. **Teratogenesis Carcinog Mutagen** 1983;3(6):527–33

Evaluation of the therapeutic effect of lycurim in lymphoma. Kotlarek–Haus S, et al. **Ther Hung** 1981;29(3):124–7

Effect of hyperthermia alone and in combination with anticancer drugs on the viability of P388 leukemic cells. Adwankar MK, et al. **Tumori** 1984 Jun 30;70(3):231–4

New potential treatment modalities for disseminated prostatic cancer. Creaven PJ, et al. **Urol Clin North Am** 1984 May; 11(2):343–56 (91 ref.)

Chemotherapy of hormonally unresponsive prostatic carcinoma. deKernion JB, et al. **Urol Clin North Am** 1984 May;11(2):319–26 (37 ref.)

Chemotherapy in advanced urinary bladder cancer. Edsmyr F, et al. **Urology** 1984 Mar;23(3 Suppl):51–3

Chemotherapy of murine bladder cancer: in vitro and in vivo. Niell HB, et al. **Urology** 1984 Apr;23(4 Suppl):124–8

Initial observations and problems with in vitro predictive assay in genitourinary malignancies. Zabbo A, et al. **Urology** 1984 Apr;23(4):370–3

The design of rational combination chemotherapy for cancer. Cadman EC. **West J Med** 1984 Jun;140(6):921–8

[Adjuvant chemotherapy for some common malignant tumors] Wu YF. **Chung Hua I Hsueh Tsa Chih** 1983 Oct; 63(10):641–4 **(Chi)**

[Effects of bimolane on size, metastases and cyclic AMP levels of Lewis lung carcinoma] Huang KW, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Mar;5(1):69–71 (Eng. Abstr.) **(Chi)**

[Effects of thioproline on experimental arrhythmia] Zhao HP, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Mar;5(1):30–2 (Eng. Abstr.) **(Chi)**

[Advanced breast cancer with metastases. Regeneration of a rib during chemotherapy] Sørensen PG, et al. **Ugeskr Laeger** 1983 Jul 25;145(30):2309–10 (Eng. Abstr.) **(Dan)**

[Tetracyclines in cancer] Snow GB. **Ned Tijdschr Geneeskd** 1984 Feb 11;128(6):261 **(Dut)**

[How does the medical oncologist formulate the indications for cytostatic treatment?] Wagener DJ. **Ned Tijdschr Geneeskd** 1984 Jun 9;128(23):1081–5 **(Dut)**

[Phase II comparative trials for confirmation of the null hypothesis. Their interest, particularly in oncology] Misset JL, et al. **Biomed Pharmacother** 1983;37(2):58–9 (Eng. Abstr.) **(Fre)**

[Use of vindesine in lymphangitic–type cutaneous recurrence of breast cancer (letter)] Palangie T, et al. **Bull Cancer (Paris)** 1983;70(5):437–8 **(Fre)**

[Clonogenic tests (stem cell assays): therapeutic problems and perspectives in ovarian cancer] Aapro MS. **Gynakol Rundsch** 1983;23 Suppl 4:15–9 **(Fre)**

[Treatment of metastatic renal cancer in adults with elliptinium acetate] Amiel JL, et al. **Presse Med** 1984 Jun 16;13(25):1555–7 (Eng. Abstr.) **(Fre)**

[The contribution of hormone therapy (single or combined) to the prognosis of solid tumors] Longueville J. **Rev Med Liege** 1984 Feb 1;39(3):108–10 **(Fre)**

[Review of results obtained from tumors unresponsive to chemotherapy] T'Jean M. **Rev Med Liege** 1984 Feb 1; 39(3):103–7 **(Fre)**

[Current status and importance of antineoplastic chemotherapy of head and neck neoplasms] Weidauer H. **Arch Otorhinolaryngol [Suppl]** 1983;2:118–45 **(Ger)**

[Adjuvant chemo and hormone therapy in breast cancer] Sauer H, et al. **Chirurg** 1984 Apr;55(4):207–10 **(Ger)**

[10–year analysis (1969–1978) of the results of treating children with acute lymphoblastic leukemia—therapeutic implications] Schulz M, et al. **Folia Haematol (Leipz)** 1983; 110(6):822–30 (Eng. Abstr.) **(Ger)**

[Definite indications for chemotherapy of solid tumors?] Klein HO. **Fortschr Med** 1984 Jun 7;102(21):589–93 (Eng. Abstr.) **(Ger)**

[Intensive combined drug therapy and beta–interferon in the treatment of children with metastasizing neuroblastoma: GPO–NB 79/82 study] Berthold F, et al. **Klin Padiatr** 1984 May–Jun;196(3):143–9 (Eng. Abstr.) **(Ger)**

[Clinovir treatment of adenocarcinoma of the uterus with lung metastases] Stertmann WA, et al. **MMW** 1983 Jul 22; 125(29–30):685–6 **(Ger)**

[Chemotherapy of advanced epithelial ovarian carcinoma] Meerpohl HG. **Onkologie** 1984 May;7 Suppl 2:22–34 (113 ref.) (Eng. Abstr.) **(Ger)**

[Oncobiogram of human tumors in cell cultures] Lindén CJ, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:1011 **(Ger)**

[Chemotherapy of anal carcinoma] Weber W. **Schweiz Rundsch Med Prax** 1984 Jul 10;73(28):894–5 (Eng. Abstr.) **(Ger)**

[Chemotherapy of metastatic nasopharyngeal cancer] Bodemann HH. **Strahlentherapie [Sonderb]** 1984;78:174–9 **(Ger)**

[Limitations of tumor marker surveillance after chemotherapy in advanced non–seminomatous testicular tumors] Behrendt H, et al. **Urol Int** 1983;38(5):307–9 (Eng. Abstr.) **(Ger)**

[Cytostatic therapy in urology (editorial)] Strohmenger P. **Urologe [Ausg A]** 1983 Sep;22 Suppl:303 **(Ger)**

[Chemotherapy of malignant testicular tumors] Weissbach L, et al. **Urologe [Ausg A]** 1983 Sep;22 Suppl:310–21 (Eng. Abstr.) **(Ger)**

[Cytostatic treatment of non–seminoma testicular carcinomas] Brockmann B, et al. **Z Arztl Fortbild (Jena)** 1983;77(20):863–6 **(Ger)**

[Measurement of transmembrane potentials – a new method of in vitro tumor sensitivity testing] Walliser S, et al. **Zentralbl Gynakol** 1984;106(3):184–90 (Eng. Abstr.) **(Ger)**

[Therapy of malignant supratentorial neuroepithelial tumors and the possibility of the pretherapeutic sensitivity testing of cytostatics] Eichler I. **Zentralbl Neurochir** 1983; 44(4):317–22 (Eng. Abstr.) **(Ger)**

[Small–cell lung cancer] Yablonski–Peretz Y, et al. **Harefuah** 1984 May 15;106(10):450–3 (Eng. Abstr.) **(Heb)**

[Melanoma of the nasal fossae] Pastore A, et al. **Acta Otorhinolaryngol Ital** 1983 Jul–Aug;3(4):393–401 (Eng. Abstr.) **(Ita)**

[Current trends in immunotherapy of tumors of the lung] Crispano G, et al. **Arch Monaldi** 1983 Jan–Apr; 38(1–2):41–52 (Eng. Abstr.) **(Ita)**

[Chemotherapy of a second instance of carcinoma of the ovary] Giaccone G, et al. **Minerva Ginecol** 1984 Apr; 36(4):209–12 **(Ita)**

[Current state of chemotherapy of pulmonary carcinoma] Tancini G, et al. **Radiol Med (Torino)** 1983 Sep;69(9):707–9 **(Ita)**

[Experimental chemotherapy of human gastrointestinal and breast cancers in nude mice and its correlation to clinical effect] Fujita M, et al. **Gan No Rinsho** 1984 Jul;30(9 Suppl):1168–74 (Eng. Abstr.) **(Jpn)**

[In vivo sensitivity test of anti–cancer drugs against malignant lung tumor xeno–graft] Kitano M. **Gan No Rinsho** 1984 Jul;30(9 Suppl):1175–80 (Eng. Abstr.) **(Jpn)**

[Analysis of factors affecting clinical cancer chemotherapy] Wakui A, et al. **Gan No Rinsho** 1983 Aug;29(10):1199–204 (Eng. Abstr.) **(Jpn)**

[Phased clinical trials in cancer chemotherapy] Yokoyama M. **Gan No Rinsho** 1983 Aug;29(10):1205–16 (Eng. Abstr.) **(Jpn)**

[Augmentation of antitumor activity of Lactobacillus casei YIT 8018 (LC 9018) in combination with various antitumor drugs] Matsuzaki T, et al. **Gan To Kagaku Ryoho** 1984 Mar; 11(3):445–51 (Eng. Abstr.) **(Jpn)**

[Antitumor effect of FU–O–G, new antitumor agent, following long term administration] Mizuno H, et al. **Gan To Kagaku Ryoho** 1984 Sep;11(9):1848–54 (Eng. Abstr.) **(Jpn)**

[Experimental studies on oral administration of nitrosourea anti–tumor agent, MCNU] Sekido S, et al. **Gan To Kagaku Ryoho** 1984 Jul;11(7):1492–500 (Eng. Abstr.) **(Jpn)**

[Phase II study of mitoxantrone] Tada A, et al. **Gan To Kagaku Ryoho** 1984 Aug;11(8):1649–54 (Eng. Abstr.) **(Jpn)**

[Anti–tumor effects of adriamycin, 4'–Epi–adriamycin, THP–adriamycin and mitoxantrone on rat mammary cancer induced by 7,12–dimethyl benz (A) anthracene] Tominaga T, et al. **Gan To Kagaku Ryoho** 1984 Aug; 11(8):1663–8 (Eng. Abstr.) **(Jpn)**

[Introduction of new screening system in National Cancer Institute] Tsukagoshi S. **Gan To Kagaku Ryoho** 1984 May; 11(5):1134–9 **(Jpn)**

[Phase II study of mitoxantrone for hematologic malignancies] Ueoka H, et al. **Gan To Kagaku Ryoho** 1983 Nov;10(11):2399–402 (Eng. Abstr.) **(Jpn)**

[Pyrimidine nucleoside phosphorylase in brain tumors and anti–tumor effect of 5'–DFUR] Shibui S. **Neurol Med Chir (Tokyo)** 1984 Feb;24(2):65–72 (Eng. Abstr.) **(Jpn)**

[Experimental intravesical treatment of bladder tumor with Concanavalin–A conjugated bleomycin] Akaza H, et al. **Nippon Hinyokika Gakkai Zasshi** 1984 Feb;75(2):211–4 (Eng. Abstr.) **(Jpn)**

[Studies of the xenotransplantation of human urogenital carcinomas into nude mice. (2). Establishment of transplantable tumors and evaluation of anticancer drugs] Tsukamoto T, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Aug;74(8):1297–312 (Eng. Abstr.) **(Jpn)**

[Activities of pyrimidine nucleoside phosphorylase in brain tumors and antitumor effect of 5'–DFUR] Shibui S, et al. **No To Shinkei** 1983 Oct;35(10):1017–22 (Eng. Abstr.) **(Jpn)**

[Therapeutic results in thymoma—with special reference to adjuvant therapy in the treatment of invasive thymoma] Watanabe Y, et al. **Rinsho Kyobu Geka** 1983 Jul;3(4):405–11 (Eng. Abstr.) **(Jpn)**

[General principles of cancer chemotherapy] Orzechowska–Juzwenko K. **Pol Tyg Lek** 1983 Dec 19–26; 38(51–52):1675–8 (Eng. Abstr.) **(Pol)**

[Gluconeogenesis during therapy of experimental tumors with hydrazine sulfate] Filov VA, et al. **Biull Eksp Biol Med** 1984 Jan;97(1):73–4 (Eng. Abstr.) **(Rus)**

[Cellular mechanism of the antileukemic action of quinoline dibromide] Golenko OD, et al. **Biull Eksp Biol Med** 1984 Jul;97(7):59–61 (Eng. Abstr.) **(Rus)**

[Action of nitrosoalkylureas and the longevity of tumor–bearing animals] Krutova TV, et al. **Izv Akad Nauk SSSR [Biol]** 1983 Nov–Dec;(6):843–50 (Eng. Abstr.) **(Rus)**

[Some methods of raising the selectivity of action of antineoplastic drugs] Sof'ina ZP, et al. **Vestn Akad Med Nauk SSSR** 1984;(5):70–7 (Eng. Abstr.) **(Rus)**

[Case of mycosis fungoides treated with myelosan] Koliadenko VG, et al. **Vestn Dermatol Venerol** 1983 Sep; (9):38–40 (Eng. Abstr.) **(Rus)**

[Long–term results of treatment of 3,359 patients with breast cancer] Semiglazov VF, et al. **Vopr Onkol** 1983; 29(12):25–30 (Eng. Abstr.) **(Rus)**

[Effect of cytostatic therapy on proteinogram indices in lymphogranulomatosis] Sarnitskil IP, et al. **Vrach Delo** 1983 Sep;(9):82–5 (Eng. Abstr.) **(Rus)**

[Acute megakaryocytic leukemia: complete remission for more than a year using chemotherapy (letter)] Sans–Sabrafen J, et al. **Med Clin (Barc)** 1983 Sep 24; 81(8):369 **(Spa)**

[Development and current perspectives of treatment in multiple myeloma] Sanz Marca A, et al. **Rev Clin Esp** 1983 Nov 15;171(3):225–9 (61 ref.) **(Spa)**

[Predictive testing of cytostatics in ovarian cancer using Weisenthal's method] Carstensen H. **Lakartidningen** 1983 Jul 27;80(30–31):2812–6 (Eng. Abstr.) **(Swe)**

[Cytostatics in pediatric care] Kreuger A, et al. **Lakartidningen** 1983 Jul 13;80(28–29):2740–5 **(Swe)**

TOXICITY

Experimental study of the mechanism of the decrease in endocochlear d.c. potential after administration of nitrogen mustard–N–oxide. Asakuma S, et al. **Acta Otolaryngol (Stockh)** 1984 Mar–Apr;97(3–4):273–82

Purine deoxyribonucleoside induced hepatotoxicity in the mouse. Renshaw J, et al. **Adv Exp Med Biol** 1984;165 Pt B:363–6

Biochemical basis for the differential effects of deoxycoformycin on human leukemias. Yu AL, et al. **Adv Exp Med Biol** 1984;165 Pt B:305–8

Nocodazole and cytochalasin D induce tetraploidy in mammalian cells. Zieve GW. **Am J Physiol** 1984 Jan;246(1 Pt 1):C154–6

Neurotoxicity of chemotherapeutic agents after blood–brain barrier modification: neuropathological studies. Neuwelt EA, et al. **Ann Neurol** 1983 Sep;14(3):316–24

Reversal by L–cysteine of the growth inhibitory and glutathione–depleting effects of N–methylformamide and N,N–dimethylformamide. Cordeiro RF, et al. **Biochem Biophys Res Commun** 1984 Jul 31;122(2):798–803

An investigation of the mechanism of hepatotoxicity of the antitumour agent N–methylformamide in mice. Whitby H, et al. **Biochem Pharmacol** 1984 Jan 15;33(2):295–302

Sister chromatid exchanges induced by two radiosensitizing platinum compounds (cis–dichloro–bis isopropylamine trans dihydroxy platinum IV (CHIP) and cis platinum metronidazole2Cl2(FLAP] in CHO cells in vitro. Bocian E, et al. **Br J Cancer** 1983 Dec;48(6):803–7

Death of intestinal crypts and of their constituent cells after treatment by chemotherapeutic drugs. Moore JV. **Br J Cancer** 1984 Jan;49(1):25–32

Safe handling of chemotherapeutic agents: a report from The Mount Sinai Medical Center. Jones RB, et al. **CA** 1983 Sep–Oct;33(5):258–63

In vitro neurotoxic assessment of antitumour drugs. Whatley SA, et al. **Cancer Lett** 1983 Aug;20(1):75–82

Decreased cytotoxicity of aziridinylbenzoquinone caused by polyamine depletion in 9L rat brain tumor cells in vitro. Alhonen–Hongisto L, et al. **Cancer Res** 1984 Jan; 44(1):39–42

Phase I and clinical pharmacology studies of intravenous and oral administration of 4–demethoxydaunorubicin in patients with advanced cancer. Berman E, et al. **Cancer Res** 1983 Dec;43(12 Pt 1):6096–101

Comparative genotoxicity of adriamycin and menogarol, two anthracycline antitumor agents. Bhuyan BK, et al. **Cancer Res** 1983 Nov;43(11):5293–7

Effect of tumor promoter 12–O–tetradecanoylphorbol–13–acetate on recovery of methotrexate–, N–(phosphonacetyl)–L–aspartate–, and cadmium–resistant colony–forming mouse and hamster cells. Bojan F, et al. **Cancer Res** 1983 Nov;43(11):5217–21

DNA strand breaks induced in human T–lymphocytes by the combination of deoxyadenosine and deoxycoformycin. Brox L, et al. **Cancer Res** 1984 Mar;44(3):934–7

Phase II and pharmacokinetic study of aziridinylbenzoquinone [2,5–diaziridinyl–3,6–bis(carboethoxyamino)–1,4–benzoquidiaziquone, NSC 182986] in high–grade gliomas. Curt GA, et al. **Cancer Res** 1983 Dec;43(12 Pt 1):6102–5

Patterns of cross–resistance to the antifolate drugs trimetrexate, metoprine, homofolate, and CB3717 in human lymphoma and osteosarcoma cells resistant to methotrexate. Diddens H, et al. **Cancer Res** 1983 Nov; 43(11):5286–92

Phase I study of tricyclic nucleoside phosphate using a five–day continuous infusion schedule. Feun LG, et al. **Cancer Res** 1984 Aug;44(8):3608–12

Potentiation of 1–beta–D–arabinofuranosylcytosine metabolism and cytotoxicity by 2,3–dihydro–1H–imidazolo[1,2–b]pyrazole in the human promyelocytic leukemic cell, HL–60. Grant S, et al. **Cancer Res** 1983 Nov;43(11):5093–100

Effect of pH and elevated temperatures on the cytotoxicity of some chemotherapeutic agents on Chinese hamster cells in vitro. Hahn GM, et al. **Cancer Res** 1983 Dec;43(12 Pt

1):5789–91
Pharmacokinetics of cis–diammine–1,1–cyclobutane dicarboxylate platinum(II) in patients with normal and impaired renal function. Harland SJ, et al. **Cancer Res** 1984 Apr;44(4):1693–7
Effects of alpha–difluoromethylornithine and methylglyoxal bis(guanylhydrazone) on the growth of experimental renal adenocarcinoma in mice. Herr HW, et al. **Cancer Res** 1984 Oct;44(10):4382–5
Effects of alpha–difluoromethylornithine and recombinant interferon–alpha 2 on the growth of a human renal cell adenocarcinoma xenograft in uude mice. Heston WD, et al. **Cancer Res** 1984 Aug;44(8):3220–5
Normalization of in vitro sensitivity testing of human tumor clonogenic cells. Hug V, et al. **Cancer Res** 1984 Mar; 44(3):923–8
In vitro drug sensitivity studies of colony–forming units in culture in chronic myelocytic leukemia: lack of specificity between chronic–phase patients and normal donors. Kirshner J, et al. **Cancer Res** 1983 Dec;43(12 Pt 1):6094–5
Pharmacological and preclinical toxicological studies of 1,2–diaminocyclohexane(isocitrato)platinum(II). Macquet JP, et al. **Cancer Res** 1984 Sep;44(9):3736–43
Cytological effects of sulfur and selenium purine analogues on two transplantable hepatomas and on normal renewing cells in mice. Melvin JB, et al. **Cancer Res** 1984 Jul; 44(7):2794–8
Cytotoxic and antitumor activity of 1–nitroacridines as an aftereffect of their interstrand DNA cross–linking. Pawlak K, et al. **Cancer Res** 1984 Oct;44(10):4289–96
Induction of major chromosome aberrations in Chinese hamster ovary cells by alpha–difluoromethylornithine. Pohjanpelto P, et al. **Cancer Res** 1984 Oct;44(10):4535–9
Relationship of the growth of leukemic cells in vitro to the outcome of therapy for acute nonlymphocytic leukemia. Preisler HD, et al. **Cancer Res** 1984 Apr;44(4):1712–7
Hematological toxicity of repeated injections of (chloro–2–ethyl)–ribofuranosyl–3–nitrosourea. Rebischung JL, et al. **Cancer Res** 1984 Feb;44(2):503–6
Expression of drug sensitivity and tumorigenicity in intraspecies hybrids between 9–hydroxyellipticine–sensitive and –resistant cells. Rémy JJ, et al. **Cancer Res** 1984 Oct; 44(10).4587–93
Synergistic antiproliferative activity of leukocyte interferon in combination with alpha–difluoromethylornithine against human cells in culture. Rosenblum MG, et al. **Cancer Res** 1984 Jun;44(6):2339–40
Treatment of human glioma and medulloblastoma tumor lines in athymic mice with diaziquone and diaziquone–based drug combinations. Schold SC Jr, et al. **Cancer Res** 1984 Jun;44(6):2352–7
Clinical correlations with chemosensitivities measured in a rapid thymidine incorporation assay. Sondak VK, et al. **Cancer Res** 1984 Apr;44(4):1725–8
DNA strand scission and cross–linking by diaziridinylbenzoquinone (diaziquone) in human cells and relation to cell killing. Szmigiero L, et al. **Cancer Res** 1984 Oct;44(10):4447–52
Comparison of drug sensitivity among tumor cells within a tumor, between primary tumor and metastases, and between different metastases in the human tumor colony–forming assay. Tanigawa N, et al. **Cancer Res** 1984 Jun;44(6):2309–12
Drug resistance in cancer. Curt GA, et al. **Cancer Treat Rep** 1984 Jan;68(1):87–99
The preclinical new drug research program of the National Cancer Institute. Driscoll JS. **Cancer Treat Rep** 1984 Jan; 68(1):63–76
Use of an in vitro technique to detect mutations induced by antineoplastic drugs in mouse germ cells. Goldstein LS. **Cancer Treat Rep** 1984 Jun;68(6):855–8
Examination of the correlation of first–week mortality with the gastrointestinal syndrome following chemotherapy. Moore JV. **Cancer Treat Rep** 1984 Jul–Aug; 68(7–8):1005–13
Myocardial effects of mitoxantrone and doxorubicin in the mouse and guinea pig. Perkins WE, et al. **Cancer Treat Rep** 1984 Jun;68(6):841–7
The development of mesna for regional detoxification. Brock N, et al. **Cancer Treat Rev** 1983 Sep;10 Suppl A:33–43
Pulmonary toxicity of antitumor agents. Muggia FM, et al. **Cancer Treat Rev** 1983 Dec;10(4):221–43 (130 ref.)
Controlled death (apoptosis) of normal and putative preneoplastic cells in rat liver following withdrawal of tumor promoters. Bursch W, et al. **Carcinogenesis** 1984 Apr; 5(4):453–8
Platinum complexes with anticancer potential and their evaluation by a colorimetric lambda prophage induction assay. Das Sarma B, et al. **Chem Biol Interact** 1983 Sep 1;46(2):219–32
DNA damage in HeLa s3 cells by an antitumor drug Ledakrin and other antitumor 1–nitro–9–aminoacridines. Woynarowski JM, et al. **Chem Biol Interact** 1984 May; 49(3):311–28
Enhanced sensitivity of the C3H/10T1/2 cell transformation system to alkylating and chemotherapeutic agents by treatment with 12–O–tetradecanoylphorbol–13–acetate. Frazelle JH, et al. **Environ Mutagen** 1984;6(1):81–9
Comparison of the mutagenic responses of 12 anticancer drugs at the hypoxanthine–guanine phosphoribosyl transferase and adenosine kinase loci in Chinese hamster ovary cells. Singh B, et al. **Environ Mutagen** 1983; 5(6):871–80
Phase I evaluation of SOAz (1,3,3,5,5 pentakis(aziridino)–1 lambda 6, 2,4,6,3 lambda 5, 5 lambda 5 thiatriaza–diphosphorine–1–oxide) in a weekly schedule. Rodenhuis S, et al. **Eur J Cancer Clin Oncol** 1984 May; 20(5):645–9
Principal components analysis of haematological data from F344 rats with bladder cancer fed N–(ethyl)–all–trans–retinamide. Festing MF, et al. **Food Chem Toxicol** 1984 Jul;22(7):559–72
Ultrastructural evidence of cardiac damage resulting from thoracic irradiation and anthracyclines in the rat. Kimler BF, et al. **Int J Radiat Oncol Biol Phys** 1984 Aug; 10(8):1465–9
Interaction of radiation, dihydroxyanthraquinone, and adriamycin on the induction of acute lethality in mice. Kimler BF, et al. **Int J Radiat Oncol Biol Phys** 1984 Aug; 10(8):1459–63
The influence of multiple treatment with doxorubicin or 4'–deoxy–doxorubicin on the DNA synthesis and morphology of mouse heart. Dusonchet L, et al. **Int J Tissue React** 1984;6(1):81–9
Amplification of the antitumor activity of phleomycins in rats and mice by heterocyclic analogues of purines. Allen TE, et al. **J Antibiot (Tokyo)** 1984 Apr;37(4):376–83
Acute toxicity study of 1,3,3,5,5–pentaziridino–1–thia–2,4,6–triaza–3,5–diphosphorine–1–oxide (a new antitumor agent with an inorganic ring) in mice, rats and dogs Nakano S, et al. **J Appl Toxicol** 1984 Feb;4(1):1–7
Modulation of IMP dehydrogenase activity and guanylate metabolism by tiazofurin (2–beta–D–ribofuranosylthiazole–4–carboxamide). Lui MS, et al. **J Biol Chem** 1984 Apr 25;259(8):5078–82
The level of DNA interstrand crosslinking in bone marrow parallels the extent of myelosuppression in mice treated with four chloroethylnitrosoureas. Bedford P, et al. **J Cancer Res Clin Oncol** 1984;108(1):141–7
Prevention of suppressed interferon gamma production in thermally injured mice by administration of a novel organogermanium compound, Ge–132. Suzuki F, et al. **J Interferon Res** 1984 Spring;4(2):223–33
An analysis of 1–(2–chloroethyl)–1–nitrosourea activity at the cellular level. Weinkam RJ, et al. **J Med Chem** 1983 Nov;26(11):1656–9
Cytotoxicity of antibody–directed liposomes that recognize two receptors on K562 cells. Bragman KS, et al. **JNCI** 1984 Jul;73(1):127–31
Effects of sodium warfarin and sodium heparin plus anticancer agents on growth of rat C6 glioma cells. McNiel NO, et al. **JNCI** 1984 Jul;73(1):169–76
31P–topical nuclear magnetic resonance (31P–TMR) studies of cardiotoxic effects of 5–fluorouracil (5–FU) and 5'–deoxy–5–fluorouridine (5'–DFUR). Tamatsu H, et al. **Jpn J Pharmacol** 1984 Apr;34(4):375–9
Micronuclei in human bone–marrow cells: evaluation of the micronucleus test using human leukemia patients treated with antileukemic agents. Abe T, et al. **Mutat Res** 1984 Apr;130(2):113–20
Dominant lethal mutations induced in mouse spermatogonia by antineoplastic drugs. Goldstein LS. **Mutat Res** 1984 Aug;140(4):193–7
Toxicity of antineoplastic drugs in vitrectomy infusion fluids. Barrada A, et al. **Ophthalmic Surg** 1983 Oct;14(10):845–7
Evaluation of toxicity of intravitreal antineoplastic drugs. Peyman GA, et al. **Ophthalmic Surg** 1984 May;15(5):411–3
Mechanism of antitumor drug action: poisoning of mammalian DNA topoisomerase II on DNA by 4'–(9–acridinylamino)–methanesulfon–m–anisidide. Nelson EM, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(5):1361–5
Ultrastructural changes in the dog liver cell after isolated liver perfusion with various cytotoxins. Merker G, et al. **Recent Results Cancer Res** 1983;86:103–9
In vivo acute hematotoxicity of N,N'–bis[N–(2–chloroethyl)–N–nitrosocarbamoyl]cystami (CNCC), a new nitrosourea analog. Blazsek I, et al. **Toxicol Appl Pharmacol** 1984 Jun 30;74(2):250–7
Acute cardiovascular and renal changes induced by mitoxantrone in rabbits. A pharmacokinetic approach. Hulhoven R, et al. **Toxicol Lett** 1983 Aug;18(1–2):19–26
[Sister chromatid exchange induced by antitumor and antiparasitic drugs before and after activation by microsomal enzyme S–9] Cai YY, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1983 Jun; 5(3):161–4 (Eng. Abstr.) **(Chi)**
[Quantitative study of the effect of antitumor drugs on the hemopoietic and tumor stem cells] Zhou QX. **Sheng Li Ko Hsueh Chin Chan** 1983 Jul;14(3):243–8 **(Chi)**
[Hepatotoxic effect of antineoplastic drugs] Robak T, et al. **Pol Tyg Lek** 1984 Apr 2;39(14):479–83 (37 ref.) **(Pol)**

URINE

Human and rat urinary metabolites of the antitumor drug Celiptium (N2–methyl–9–hydroxyellipticinium acetate, NSC 264137). Identification of cysteine conjugates supporting the 'biooxidative alkylation' hypothesis. Monsarrat B, et al. **Biochem Pharmacol** 1983 Dec 15; 32(24):3887–90
Urinary mutagenicity assays: a problem arising from the presence of histidine associated growth factors in XAD–2 prepared urine concentrates, with particular relevance to assays carried out using the bacterial fluctuation test. Gibson JF, et al. **Carcinogenesis** 1983 Nov;4(11):1471–6
Analysis of riboxamide in urine by high–performance liquid chromatography. Meltzer NM, et al. **J Chromatogr** 1984 Apr 13;307(1):216–9
Mutagenicity of urine from nurses handling cytotoxic drugs [letter] Gibson JF, et al. **Lancet** 1984 Jan 14;1(8368):100–1
Monitoring exposure of nursing and pharmacy personnel to cytotoxic drugs: urinary mutation assays and urinary platinum as markers of absorption. Venitt S, et al. **Lancet** 1984 Jan 14;1(8368):74–7
[An anticancer fluorescent substance in the human urine. II. Biological properties of an anticancer fluorescent substance] Chen YQ. **Chung Hua Chung Liu Tsa Chih** 1983 Jul;5(4):266–9 (Eng. Abstr.) **(Chi)**

ANTINEOPLASTIC AGENTS, COMBINED

see related

COMBINED MODALITY THERAPY

Identification of synergistic combinations of spirogermanium with 5–fluorouracil or cisplatin using a range of human tumour cell lines in vitro. Hill BT, et al. **Invest New Drugs** 1984;2(1):29–33
Treatment of malignant gliomas in adults with BCNU plus metronidazole. Stewart DJ, et al. **J Neurooncol** 1984; 2(1):53–8
Protection of murine L1210 leukemia and bone marrow progenitor cells against mechlorethamine and inhibition of choline uptake as a structure–activity relationship of 2–dimethylaminoethanol and its analogues. Naujokaitis SA, et al. **J Pharm Sci** 1984 Jan;73(1):34–9
Chemotherapy for acute leukemia during pregnancy. Five case reports. Fassas A, et al. **Nouv Rev Fr Hematol** 1984; 26(1):19–24
A long–term clinical experience with Lonidamine. Battelli T, et al. **Oncology** 1984;41 Suppl 1:39–47
Lonidamine plus adriamycin versus adriamycin alone in the adjuvant treatment of recurrent papillary carcinomas of the urinary biadder. Giannotti P, et al. **Oncology** 1984;41 Suppl 1:104–7
Lonidamine alone and in combination with other chemotherapeutic agents in the treatment of cancer patients. Pacilio G, et al. **Oncology** 1984;41 Suppl 1:108–12
Treatment of advanced soft tissue sarcomas with a modified CYVADIC protocol. Pfeffer MR, et al. **Oncology** 1984; 41(5):308–13
[Treatment of advanced colonic and rectal adenocarcinoma: combination of 5–FU and high–dose folinic acid] Rougier P, et al. **Bull Cancer (Paris)** 1983;70(5):434–6 **(Fre)**
[MACC plus thymostimulin (TP–1 Serono) therapy of small cell bronchogenic carcinoma. Clinico–immunologic evaluation of the results of a randomized trial] Salvati F, et al. **G Ital Chemioter** 1984 Jan–Aug;31(1–2):185–9 (Eng. Abstr.) **(Ita)**

ADMINISTRATION & DOSAGE

Treatment of extensive stage small cell bronchogenic carcinoma. Effects of variation in intensity of induction chemotherapy. Brower M, et al. **Am J Med** 1983 Dec; 75(6):993–1000
Dosing and sequencing for antineoplastic synergism in combination chemotherapy. Goldin A. **Cancer** 1984 Sep 15;54(6 Suppl):1155–9
Indwelling venous access catheters in patients with acute leukemia. Reilly JJ Jr, et al. **Cancer** 1984 Jan 15; 53(2):219–23
Phase–I trial of combination therapy with continuous–infusion MMPR and continuous–infusion 5–FU. Peters WP, et al. **Cancer Chemother Pharmacol** 1984; 13(2):136–8
Cyclic alternating combination chemotherapy for small cell lung cancer. Reddy SK, et al. **Cancer Chemother Pharmacol** 1984;12(3):190–3
Optimum scheduling during combination chemotherapy of murine leukemia. Additional examples of schedule–dependent synergism between S–phase–specific antimetabolites and agents inducing mitotic or pre–mitotic (G2) arrest. Sirotnak FM, et al. **Cancer Chemother Pharmacol** 1983;11(3):205–7
Experimental basis and clinical experience with non–cross–resistant combinations in solid tumours. Seeber S, et al. **Cancer Treat Rev** 1984 Mar;11 Suppl A:55–61
The experimental basis for combination chemotherapy. van Putten LM. **Cancer Treat Rev** 1984 Mar;11 Suppl A:19–23
Cancer chemotherapy by constant infusion. Lokich JJ. **Hosp Pract** 1983 Nov;18(11):50c, 50H, 50J, passim
Amplification of the antitumor activity of phleomycins in rats and mice by heterocyclic analogues of purines. Allen TE, et al. **J Antibiot (Tokyo)** 1984 Apr;37(4):376–83
High–dose polychemotherapy with autologous bone marrow transplantation in children with relapsed lymphomas. Hartmann O, et al. **J Clin Oncol** 1984 Sep;2(9):979–85
High–dose versus low–dose CMFP regimen in advanced breast cancer. Kumar A, et al. **J Surg Oncol** 1984 Apr; 25(4):300–2
Combined cytotoxic and endocrine therapy for human breast carcinoma (Br–10) serially transplanted into nude mice. Kubota T, et al. **Jpn J Surg** 1984 Jan;14(1):78–84
Randomised trial comparing two combination chemotherapy

regimens (Hexa-CAF vs CHAP-5) in advanced ovarian carcinoma. Neijt JP, et al. **Lancet** 1984 Sep 15; 2(8403):594–600

Superintensive chemotherapy and autologous bone-marrow transplantation in non-Hodgkin's lymphoma [letter] Ricci P, et al. **Lancet** 1984 Mar 24;1(8378):686

Panel discussion: Chemotherapy in head and neck malignancy. **Laryngoscope** 1984 Apr;94(4):475–82

Treatment of refractory lymphoproliferative diseases with daily, low-dose vincristine, continuous infusion of bleomycin, and high-dose prednisone. Gomez GA, et al. **Med Pediatr Oncol** 1984;12(4):239–43

Impact of the timing of triple intrathecal therapy on remission induction in childhood acute lymphoblastic leukemia: a Pediatric Oncology Group study. Hvizdala E, et al. **Med Pediatr Oncol** 1984;12(3):173–7

Inclusion of cisplatinum (cis-DDP, Platidiam, Lachema) into combined chemotherapeutic protocol for the treatment of testicular cancer. Bodrogi I, et al. **Neoplasma** 1983; 30(5):557–61

Non-seminoma stage III. Current possibilities of 'salvage' chemotherapy. Schmidt CG. **Prog Clin Biol Res** 1984; 153:201–18

5-Fluorouracil, vincristine and hydroxyurea combination chemotherapy in metastatic colorectal cancer. Liberati AM, et al. **Tumori** 1983 Oct 31;69(5):485–7

Improved treatment of acute nonlymphocytic leukemia in a community hospital—The Marshfield Clinic/St Joseph's Hospital; experience 1974–1981. Conterato JP, et al. **Wis Med J** 1983 Dec;82(12):17–21

[Pathophysiology and pharmacotherapy of tumors] **Ned Tijdschr Geneeskd** 1983 Sep 17;127(38):1708–15 **(Dut)**

[Protocols for the chemotherapy of solid tumors: should we increase or reduce?] Maral J, et al. **Biomed Pharmacother** 1984;38(1):5–12 (62 ref.) (Eng. Abstr.) **(Fre)**

[Protocols for the treatment of leukemia and lymphoma: toward escalation or toward reduction of degree?] Mathé G, et al. **Biomed Pharmacother** 1984;38(1):13–32 (76 ref.) (Eng. Abstr.) **(Fre)**

[Hodgkin's disease: analysis of a reduction of chemotherapy] Fermé C, et al. **Presse Med** 1983 Sep 24;12(33):2031–4 (Eng. Abstr.) **(Fre)**

[Therapeutic results in advanced ovarian cancer] Kleinmanns G, et al. **Onkologie** 1983 Aug;6(4):206–9 (Eng. Abstr.) **(Ger)**

[Results of treatment of acute myeloid leukemia in adults] Nowrousian MR, et al. **Onkologie** 1983 Aug;6(4):184–6 (Eng. Abstr.) **(Ger)**

[Proposed targeted chemotherapy in advanced head and neck cancers using an arterial bypass] Cavaniglia G, et al. **Acta Otorhinolaryngol Ital** 1983 Nov-Dec;3(6):607–15 (Eng. Abstr.) **(Ita)**

[Treatment of malignant tumors with autotransplantation of the bone marrow combined with high-dose chemotherapy] Hiraiwa A, et al. **Nippon Gan Chiryo Gakkai Shi** 1983 Aug 20;18(5):1167–74 (Eng. Abstr.) **(Jpn)**

[Balloon occluded arterial infusion with direct hemoperfusion for head and neck tumors] Kakiuchi H, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1983 Nov;86(11):1384–92 (Eng. Abstr.) **(Jpn)**

[Palliative arterial infusion chemotherapy for unresectable advanced gastric cancer] Uchino A, et al. **Rinsho Hoshasen** 1984 Mar;29(3):373–5 (Eng. Abstr.) **(Jpn)**

[Treatment of acute childhood leukemia. A new protocol 811 for the standard risk group of acute lymphocytic leukemia (Phase III study)] Koizumi S, et al. **Rinsho Ketsueki** 1983 Dec;24(12):1633–40 (Eng. Abstr.) **(Jpn)**

[A clinical study (phase II) of a combination of 5-fluorouracil, vincristine and methyl CCNU in patients with advanced carcinoma of the large intestine] Roth A, et al. **Lijec Vjesn** 1983 Jun;105(6):244–6 (Eng. Abstr.) **(Scr)**

ADVERSE EFFECTS

Male infertility caused by the chemotherapy of Hodgkin's disease: MOPP versus ABVD. Ragni G, et al. **Acta Eur Fertil** 1983 May-Jun;14(3):221–2

The effect of cytostatics on the intestinal absorption of D-xylose in patients with malignant lymphoma. Beró T, et al. **Acta Med Hung** 1983;40(4):247–50

Cardiomyopathy induced by anthracycline-derivates. Brockmeier FK, et al. **Acta Paediatr Scand** 1984 May; 73(3):387–91

Drug-induced stomatocytosis and anemia during consolidation chemotherapy of childhood acute leukemia. Neville AJ, et al. **Am J Med Sci** 1984 Jan-Feb;287(1):3–7

A prospective assessment of chemotherapy-related nausea and vomiting in children with cancer. Zeltzer LK, et al. **Am J Pediatr Hematol Oncol** 1984 Spring;6(1):5–16

Antiemetic efficacy of high-dose dexamethasone in induction therapy in acute nonlymphocytic leukemia. Cassileth PA, et al. **Ann Intern Med** 1984 May;100(5):701–2

Thrombotic microangiopathy and renal failure associated with antineoplastic chemotherapy. Jackson AM, et al. **Ann Intern Med** 1984 Jul;101(1):41–4

Recovery of testicular function after chemotherapy - a case report. Epenetos AA. **Anticancer Res** 1984 May-Jun; 4(3):203

Hepatic impairment during simultaneous administration of medroxyprogesterone acetate and tamoxifen in the treatment of endometrial and ovarian carcinoma. Riippa P, et al. **Anticancer Res** 1984 May-Jun;4(3):109–12

Small bowel function in acute lymphoblastic leukaemia. Pearson AD, et al. **Arch Dis Child** 1984 May;59(5):460–5

Chemotherapy-associated pulmonary toxic reactions during treatment for breast cancer. White DA, et al. **Arch Intern Med** 1984 May;144(5):953–6

Avascular necrosis of bone caused by combination chemotherapy without corticosteroids. Harper PG, et al. **Br Med J [Clin Res]** 1984 Jan 28;288(6413):267–8

Acute myelogenous leukemia as a second malignant neoplasm following the successful treatment of advanced Hodgkin's disease. Bartolucci AA, et al. **Cancer** 1983 Dec 15; 52(12):2209–13

Clinical trials and drug toxicity in the elderly. The experience of the Eastern Cooperative Oncology Group. Begg CB, et al. **Cancer** 1983 Dec 1;52(11):1986–92

Veno-occlusive disease of the liver in children following chemotherapy for acute myelocytic leukemia. D'Cruz CA, et al. **Cancer** 1983 Nov 15;52(10):1803–7

Effects of long-term combination chemotherapy on the reticuloendothelial system. Domellöf L, et al. **Cancer** 1984 May 15;53(10):2073–8

Male reproductive capacity may recover following drug treatment with the L-10 protocol for acute lymphocytic leukemia. Evenson DP, et al. **Cancer** 1984 Jan 1;53(1):30–6

Mallory-Weiss tear. A complication of cancer chemotherapy. Fishman ML, et al. **Cancer** 1983 Dec 1;52(11):2031–2

Increased incidence of thromboembolism in stage IV breast cancer patients treated with a five-drug chemotherapy regimen. A study of 159 patients. Goodnough LT, et al. **Cancer** 1984 Oct 1;54(7):1264–8

Prophylaxis of fever and infection in adult cancer patients. A placebo-controlled trial of oral trimethoprim-sulfamethoxazole plus erythromycin. Kramer BS, et al. **Cancer** 1984 Jan 15;53(2):329–35

Potassium-wasting nephropathy secondary to chemotherapy simulating Bartter's syndrome. Lieber IH, et al. **Cancer** 1984 Sep 1;54(5):808–10

Therapy-related leukemia associated with myelofibrosis. Blast cell characterization in six cases. Tabilio A, et al. **Cancer** 1984 Oct 1;54(7):1382–91

Enhancement of cisplatin nephrotoxicity by probenecid [letter] Daley-Yates PT, et al. **Cancer Treat Rep** 1984 Feb; 68(2):445–6

Cyclophosphamide, methotrexate, and 5-FU (CMF)-induced nausea and vomiting: a controlled study with high-dose metoclopramide. David M, et al. **Cancer Treat Rep** 1984 Jun;68(6):921–2

Anticipatory nausea and vomiting in an ambulatory medical oncology population. Fetting JH, et al. **Cancer Treat Rep** 1983 Dec;67(12):1093–8

Acute myelogenous leukemia following radiation therapy and chemotherapy for osteogenic sarcoma. Jacobs AD, et al. **Cancer Treat Rep** 1984 Jun;68(6):909–11

Dyspnea following vinblastine or vindesine administration in patients receiving mitomycin plus vinca alkaloid combination therapy. Kris MG, et al. **Cancer Treat Rep** 1984 Jul-Aug;68(7-8):1029–31

Thrombocytopenia after combination therapy with aminoglutethimide and tamoxifen: which drug is to blame? Ragaz J, et al. **Cancer Treat Rep** 1984 Jul-Aug; 68(7-8):1015–6

Vertebral hyperemia associated with bone marrow insult and recovery. Klein HA, et al. **Clin Nucl Med** 1984 Jun; 9(6):307–9

Acute pneumonitis associated with MOPP chemotherapy of Hodgkin's disease. Cersosimo RJ, et al. **Drug Intell Clin Pharm** 1984 Jul-Aug;18(7-8):609–11

Carcinogenesis in Hodgkin's disease [editorial] Colman M. **Hematol Oncol** 1984 Jan-Mar;2(1):2–4

Lorazepam: a randomized, double-blind, crossover study of a new antiemetic in patients receiving cytotoxic chemotherapy and prochlorperazine. Bishop JF, et al. **J Clin Oncol** 1984 Jun;2(6):691–5

Transient left homonymous hemianopsia and encephalopathy following treatment of testicular carcinoma with cisplatinum, vinblastine, and bleomycin. Cohen RJ, et al. **J Clin Oncol** 1983 Jun;1(6):392–3

Trimethoprim/sulfamethoxazole versus placebo: a double-blind comparison of infection prophylaxis in patients with small cell carcinoma of the lung. de Jongh CA, et al. **J Clin Oncol** 1983 May;1(5):302–7

Small cell bronchogenic carcinoma: factors associated with pneumonia during chemotherapy. Dixon CL, et al. **J Clin Oncol** 1984 Mar;2(3):201–6

Fertility after chemotherapy for testicular cancer. Drasga RE, et al. **J Clin Oncol** 1983 Mar;1(3):179–83

A randomized trial of metoclopramide and a combination of dexamethasone and lorazepam for prevention of chemotherapy-induced vomiting. Gagen M, et al. **J Clin Oncol** 1984 Jun;2(6):696–701

Toxic deaths in the Second National Wilms' Tumor Study. Jones B, et al. **J Clin Oncol** 1984 Sep;2(9):1028–33

Combination metoclopramide and dexamethasone: an effective antiemetic regimen in outpatients receiving non-cisplatin chemotherapy. Strum SB, et al. **J Clin Oncol** 1984 Sep;2(9):1057–63

Second malignant neoplasms complicating Hodgkin's disease: the National Cancer Institute experience. Tester WJ, et al. **J Clin Oncol** 1984 Jul;2(7):762–9

Painful gynecomastia following cytotoxic therapy for testis cancer: a potentially favorable prognostic sign? Trump DL, et al. **J Clin Oncol** 1983 Jul;1(7):416–20

The effectiveness of behavioral intervention for reduction of nausea and vomiting in children and adolescents receiving chemotherapy. Zeltzer L, et al. **J Clin Oncol** 1984 Jun;2(6):683–90

Paradoxical effects of prophylactic phenothiazine antiemetics in children receiving chemotherapy. Zeltzer L, et al. **J Clin Oncol** 1984 Aug;2(8):930–6

Chemotherapy-induced interstitial pneumonitis during treatment of small cell anaplastic lung cancer. Zimmerman MS, et al. **J Clin Oncol** 1984 May;2(5):396–405

Treatment of febrile granuloycytopenic cancer patients receiving antineoplastic therapy with a combination of carbenicillin, cefazolin and gentamicin. Halpern J, et al. **J Med** 1983;14(3):193–202

Reduced pulsatile growth hormone secretion in children after therapy for acute lymphoblastic leukemia. Blatt J, et al. **J Pediatr** 1984 Feb;104(2):182–6

Serial thyroid function measurements in children with Hodgkin disease. Devney RB, et al. **J Pediatr** 1984 Aug; 105(2):223–7

Qualitative platelet dysfunction following cancer chemotherapy: a case report. Kumar A, et al. **J Surg Oncol** 1984 Mar;25(3):176–7

Epiphyseal fractures in children treated for osteosarcoma of the femur with chemotherapy, tumourresection, and endoprosthesis: report of four fractures in two children. Veth RP, et al. **J Surg Oncol** 1984 May;26(1):40–6

Second primary cancers following treatment of Hodgkin's disease. Boivin JF, et al. **JNCI** 1984 Feb;72(2):233–41

Second cancers after radiotherapy and chemotherapy for early stages of Hodgkin's disease. Henry-Amar M. **JNCI** 1983 Nov;71(5):911–6

Scalp cooling and cytotoxic drugs [letter] Dixon-Hughes J, et al. **Med J Aust** 1984 May 26;140(11):686

Lithium treatment in adults with acute myeloid leukemia receiving chemotherapy. Horns RC Jr, et al. **Med Pediatr Oncol** 1984;12(3):169–72

Testicular function following combination chemotherapy with cis-platin, vinblastine, and bleomycin. Johnson DH, et al. **Med Pediatr Oncol** 1984;12(4):233–8

Liver calcifications following hepatic artery infusion with 5-fluorouracil, adriamycin and mitomycin C (FAM). Schlangen J, et al. **ROFO** 1984 May;140(5):607–8

Chondrosarcoma in children subsequent to other malignant tumours in different locations. Vanel D, et al. **Skeletal Radiol** 1984;11(2):96–101

Neurologic problems associated with acute lymphocytic leukemia in childhood. Prensky AL. **Tex Med** 1984 May; 80(5):53–9

Renal infarction caused by chemotherapy for chorioepithelioma. Yokoyama M, et al. **Urol Int** 1984; 39(3):187–8

Flow-cytophotometric studies on urine sediments of patients treated with anti-cancer-drugs. Schwabe HW, et al. **Urol Res** 1983;11(4):159–62

[Schwartz-Bartter syndrome induced by chemotherapy (letter)] Morere JF, et al. **Presse Med** 1984 Jun 9; 13(24):1514 **(Fre)**

[Herpesvirus infections during treatment inducing remission of acute leukemia] Marty M, et al. **Sem Hop Paris** 1983 Oct 27;59(39):2687–91 (Eng. Abstr.) **(Fre)**

[Liver changes in children with acute lymphatic leukemia] Weinmann G, et al. **Kinderarztl Prax** 1984 Jun;52(6):271–6 (Eng. Abstr.) **(Ger)**

[Leukocyte count and granulocyte function of children under lithium carbonate therapy treated with cytostatic drugs. A pilot study] Burdach SE, et al. **Monatsschr Kinderheilkd** 1984 Jan;132(1):38–42 (Eng. Abstr.) **(Ger)**

[Acyclovir therapy in varicella/zoster diseases in immunocompromised children with cancer] Kuhn N, et al. **Monatsschr Kinderheilkd** 1984 Feb;132(2):105–9 (Eng. Abstr.) **(Ger)**

[Localized edema following cytostatic therapy] Görg C, et al. **Onkologie** 1984 Feb;7(1):42–3 (Eng. Abstr.) **(Ger)**

[Lung function following combined Hodgkin therapy] Krieger H, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:1099–101 (Eng. Abstr.) **(Ger)**

[The course of infectious bronchopulmonary complications during polychemotherapy for bronchogenic carcinoma in immunodepressed patients] Salvati F, et al. **Arch Monaldi** 1982 May-Jun;37(3-4):203–8 **(Ita)**

[Multiple myeloma: observation of unusual skin lesions during therapy] Sala F, et al. **G Ital Dermatol Venereol** 1982 May-Jun;117(3):167–70 (Eng. Abstr.) **(Ita)**

[Analysis of side effects of a combination chemotherapy of cisplatin and adriamycin in gynecological malignancies: comparison between intravenous and intraarterial administration] Kawagoe K, et al. **Gan To Kagaku Ryoho** 1984 Mar;11(3):452–7 (Eng. Abstr.) **(Jpn)**

[Myocardial infarct in a patient with Hodgkin's disease treated with cyclic polychemotherapy] Matusewicz W, et al. **Kardiol Pol** 1983;26(7):591–4 (Eng. Abstr.) **(Pol)**

[Secondary malignant tumors following treatment of Hodgkin's disease] Shishkin IP. **Med Radiol (Mosk)** 1984 Aug;29(8):24–8 (Eng. Abstr.) **(Rus)**

[Aseptic necrosis of the femur head as a complication of

intensive cytostatic, glucocorticoid and radiation therapy of lymphogranulomatosis] Semenov II, et al. **Vopr Onkol** 1984;30(2):35–9 (Eng. Abstr.) **(Rus)**

METABOLISM

The role of pharmacokinetics in (combination) chemotherapy. McVie JG. **Cancer** 1984 Sep 15;54(6 Suppl):1175–8

PHARMACODYNAMICS

Hormonal and cytopathological changes in vaginal and cervical smears from women undergoing chemotherapy for extragenital malignant diseases. Schachter A, et al. **Acta Obstet Gynecol Scand** 1983;62(6):621–4

Cytostatic and cytotoxic response of Ehrlich ascites tumor cells in vivo on chronic treatment with cytarabine, bleomycin, and peplomycin. Stoehr M, et al. **Arzneimittelforsch** 1984;34(4):451–4

Steroid receptors and response of ovarian cancer to cytostatic drugs in vitro. Grönroos M, et al. **Br J Obstet Gynaecol** 1984 May;91(5):479–82

The use of the hairless mouse to develop topical cytostatic combination chemotherapy. Clement M, et al. **Clin Exp Dermatol** 1984 Mar;9(2):127–38

Effects of 5–fluorouracil and the combination of 5–fluorouracil and human leukocyte interferon on human salivary gland adenocarcinoma cell line in culture. Sato M, et al. **Int J Oral Surg** 1984 Feb;13(1):35–44

Antiproliferative activity of 2–[N, N–bis–(2–chloroethyl)–amino]–4–[2–sulfonato–ethylthio]–t ydr o–2H–1 , 3,2–oxazaphosphorine–2–oxide cyclohexamine (ASTA Z 7557, INN mafosfamide) against human and murine tumor cells in vitro. Kovach JS, et al. **Invest New Drugs** 1984;2(2):155–9

Effects of harringtonine in combination with acivicin, adriamycin, L–asparaginase, cytosine arabinoside, dexamethasone, fluorouracil or methotrexate on human acute myelogenous leukemia cell line KG–1. Okano T, et al. **Invest New Drugs** 1983;1(2):145–50

Potentiation of antitumor activity of 5–fluoro–2'–deoxyuridine by guanosine–5'–monophosphate. Iigo M, et al. **J Pharmacobiodyn** 1984 Jan;7(1):67–9

Neutrophil function during cyclic chemotherapy for cancer disease. Garelli S, et al. **Tumori** 1983 Oct 31;69(5):409–15

[Comparison of the therapeutic efficacity of 2 induction protocols in acute myeloid leukemia using exact quantification of bone marrow cellularity] Hiddemann W, et al. **Onkologie** 1983 Aug;6(4):179–83 (Eng. Abstr.) **(Ger)**

[Experiences with Volm's short–term tumor test in the primary treatment of ovarian carcinoma] Teufel G. **Onkologie** 1984 May;7 Suppl 2:58–64 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Local perfusion chemotherapy for gestational malignant trophoblastic tumours. Szigetvári I, et al. **Acta Chir Hung** 1984;25(3):139–46

Immunochemotherapy with levamisole for stage III gastric cancer patients. Miwa H, et al. **Acta Med Okayama** 1983 Dec;37(6):483–91

Antitumor effect of bacterial lipopolysaccharide (LPS) alone and in combination with lentinan on MH–134 tumors in C3H/He mice. Moriya N, et al. **Acta Med Okayama** 1984 Feb;38(1):49–55

Adult–type systemic varicella in a female patient in course of treatment of her so–called reactive lymphocytic (T–cell) hyperplasia. Kasahara M, et al. **Acta Pathol Jpn** 1984 Jan; 34(1):169–89

A comparison of bone marrow transplantation with maintenance chemotherapy for patients with acute nonlymphoblastic leukemia in first complete remission. Armitage JO, et al. **Am J Clin Oncol** 1984 Jun;7(3):273–8

VP–16–213 and cisplatin in the treatment of patients with refractory germ cell tumors. Bosl GJ, et al. **Am J Clin Oncol** 1984 Aug;7(4):327–30

Comparison of treatments for symptomatic Hodgkin's lymphoma employing decision analysis. Corder MP, et al. **Am J Clin Oncol** 1984 Feb;7(1):33–8

Lymphomatoid granulomatosis. Successful treatment with CHOP combination chemotherapy. Drasga RE, et al. **Am J Clin Oncol** 1984 Feb;7(1):75–80

Chemotherapy of advanced colorectal carcinoma: fluorouracil alone vs. two drug combinations using fluorouracil, hydroxyurea, semustine, dacarbazine, razoxane, and mitomycin. A phase III trial by the Eastern Cooperative Oncology Group (EST: 1278). Engstrom PF, et al. **Am J Clin Oncol** 1984 Aug;7(4):313–8

Results in children with local and regional neuroblastoma managed with and without vincristine, cyclophosphamide, and imidazolecarboxamide. A report from the Children's Cancer Study Group. Evans AR, et al. **Am J Clin Oncol** 1984 Feb;7(1):3–7

Treatment of advanced breast cancer with two doxorubicin–containing regimens. Harris MA, et al. **Am J Clin Oncol** 1984 Feb;7(1):51–8

24–hour combination chemotherapy without cisplatin in patients with recurrent or metastatic head and neck cancer. Hill BT, et al. **Am J Clin Oncol** 1984 Aug;7(4):335–40

Chemotherapy of advanced squamous carcinoma of the cervix: a phase I–II study of high–dose cisplatin and cyclophosphamide. A pilot study of the Gynecologic Oncology Group. Jobson VW, et al. **Am J Clin Oncol** 1984 Aug;7(4):341–5

Failure of lithium to limit neutropenia significantly during induction therapy of acute myelogenous leukemia. A Southeastern Cancer Study Group study. Stein RS, et al. **Am J Clin Oncol** 1984 Aug;7(4):365–9

A comparison of intermittent vs. continuous and of adriamycin vs. methotrexate 5–drug chemotherapy for advanced breast cancer. A Cancer and Leukemia Group B study. Tormey DC, et al. **Am J Clin Oncol** 1984 Jun; 7(3):231–9

Cisplatin, vindesine, and bleomycin chemotherapy of local–regional and advanced esophageal carcinoma. Kelsen D, et al. **Am J Med** 1983 Oct;75(4):645–52

Treatment of advanced Hodgkin's disease with chemotherapy and irradiation. Controlled trial of two versus three alternating, potentially non–cross–resistant drug combinations. Straus DJ, et al. **Am J Med** 1984 Feb; 76(2):270–8

Effects of intensive induction chemotherapy for extensive–disease small cell bronchogenic carcinoma in protected environment–prophylactic antibiotic units. Valdivieso M, et al. **Am J Med** 1984 Mar;76(3):405–12

Preoperative combination chemotherapy for advanced stage head and neck cancer. Promising early results. Kies MS, et al. **Am J Surg** 1984 Sep;148(3):367–71

Responsiveness of testis morphology to chemotherapy in childhood leukemia. Anelli G, et al. **Anat Rec** 1984 Aug; 209(4):491–500

Reversal of red cell aplasia and marrow fibrosis in non–Hodgkin's lymphoma. Kueh YK, et al. **Ann Acad Med Singapore** 1983 Jul;12(3):472–3

BCVPP chemotherapy for advanced Hodgkin's disease: evidence for greater duration of complete remission, greater survival, and less toxicity than with a MOPP regimen. Results of the Eastern Cooperative Oncology Group study. Bakemeier RF, et al. **Ann Intern Med** 1984 Oct;101(4):447–56

Chemotherapy for malignant thymoma [letter] Chahinian AP, et al. **Ann Intern Med** 1983 Nov;99(5):736

Combination chemotherapy for advanced Hodgkin's disease after failure of MOPP: ABVD and B–CAVe. Harker WG, et al. **Ann Intern Med** 1984 Oct;101(4):440–6

Chemotherapy for diffuse aggressive lymphomas [letter] Stein RS. **Ann Intern Med** 1984 Sep;101(3):397–8

Multivariate analysis of a personal series of 247 patients with liver metastases from colorectal cancer. II. Treatment by intrahepatic chemotherapy. Fortner JG, et al. **Ann Surg** 1984 Mar;199(3):317–24

Adjuvant chemotherapy after surgery and radiation for stage III and IV head and neck cancer. Huang AT, et al. **Ann Surg** 1984 Aug;200(2):195–9

Differentiated treatment of myeloma. A non–randomised phase two study. Osby E, et al. **Anticancer Res** 1984 May–Jun;4(3):163–4

Rat mammary carcinoma regressions during suppression of serum growth hormone and prolactin. Rose DP, et al. **Anticancer Res** 1983 Sep–Oct;3(5):323–5

Familial erythrophagocytic reticulosis. Complete response to combination chemotherapy. Delaney MM, et al. **Arch Dis Child** 1984 Feb;59(2):173–5

Successful combination chemotherapy for metastatic parathyroid carcinoma. Bukowski RM, et al. **Arch Intern Med** 1984 Feb;144(2):399–400

Renal failure from metastatic breast carcinoma reversed by radiotherapy and chemotherapy. Corwin HL, et al. **Arch Intern Med** 1984 Aug;144(8):1679–81

Moxalactam plus ticarcillin or tobramycin for treatment of febrile episodes in neutropenic cancer patients. Fainstein V, et al. **Arch Intern Med** 1984 Sep;144(9):1766–70

Advanced squamous carcinoma of the head and neck. A preliminary report of neoadjuvant chemotherapy with cisplatin, bleomycin, and methotrexate. Ervin TJ, et al. **Arch Otolaryngol** 1984 Apr;110(4):241–5

A nontoxic adjuvant treatment for advanced head and neck cancer. Spaulding MB, et al. **Arch Otolaryngol** 1983 Dec; 109(12):789–91

The effect of chemotherapy in relation to pathohistological tumour grading in head and neck cancer. Böheim K, et al. **Arch Otorhinolaryngol** 1983;238(3):197–204

The effect of chemotherapy on hepatoblastoma. Forouhar FA, et al. **Arch Pathol Lab Med** 1984 Apr;108(4):311–4

Adriamycin combinations as salvage therapy in advanced MOPP–resistant Hodgkin's disease. Olver IN, et al. **Aust NZ J Med** 1983 Aug;13(4):369–73

Confidence regions for constrained optima in response–surface experiments. Stablein DM, et al. **Biometrics** 1983 Sep;39(3):759–63

Primary therapy of acute promyelocytic leukemia: results of amsacrine– and daunorubicin–based therapy. Arlin Z, et al. **Blood** 1984 Jan;63(1):211–2

Treatment of poor risk acute leukemia with sequential high–dose ARA–C and asparaginase. Capizzi RL, et al. **Blood** 1984 Mar;63(3):694–700

A randomized study of the efficacy of consolidation therapy in adult acute nonlymphocytic leukemia. Cassileth PA, et al. **Blood** 1984 Apr;63(4):843–7

Comparison of two long–term chemotherapy regimens, with or without agents to modify skeletal repair, in multiple myeloma. Cohen HJ, et al. **Blood** 1984 Mar;63(3):639–48

An effective therapy for both undifferentiated (including Burkitt's) lymphomas and lymphoblastic lymphomas in children and young adults. Magrath IT, et al. **Blood** 1984 May;63(5):1102–11

A randomized comparison of postremission therapy in acute myelogenous leukemia: a Southeastern Cancer Study Group trial. Vogler WR, et al. **Blood** 1984 May; 63(5):1039–45

APO therapy for malignant lymphoma of large cell 'histiocytic' type of childhood: analysis of treatment results for 29 patients. Weinstein HJ, et al. **Blood** 1984 Aug; 64(2):422–6

A randomised study of adjuvant chemotherapy after mantle radiotherapy in supradiaphragmatic Hodgkin's disease PS IA–IIB: a report from the Manchester lymphoma group. Anderson H, et al. **Br J Cancer** 1984 Jun;49(6):695–702

Endocrine and clinical consequences of combination tamoxifen–aminoglutethimide in postmenopausal breast cancer. Dowsett M, et al. **Br J Cancer** 1984 Sep; 50(3):357–61

The use of intermediate dose cytosine arabinoside (ID Ara–C) in the treatment of acute non–lymphocytic leukaemia in relapse. van Prooijen HC, et al. **Br J Haematol** 1984 Jun;57(2):291–9

Chemotherapy after palliative resection of colorectal cancer. Yorkshire Gastrointestinal Tumour Group. **Br J Surg** 1984 Apr;71(4):283–6

Chemotherapy of primary (in situ) testicular tumours: response in advanced metastatic disease. Calvo F, et al. **Br J Urol** 1983 Oct;55(5):560–3

Adjuvant treatment using bleomycin in squamous cell carcinoma of penis: study of 19 cases. Maiche AG. **Br J Urol** 1983 Oct;55(5):542–4

Adjuvant chemotherapy for early breast cancer [letter] Price LA, et al. **Br Med J [Clin Res]** 1983 Sep 24;287(6396):908–9

Multiple trials of adjuvant chemohormonal therapy in the treatment of breast cancer: preliminary results—the ECOG experience. Carbone PP. **Breast Cancer Res Treat** 1983;3 Suppl:S35–8

Treatment of primary breast cancer with L–PAM/5–FU and tamoxifen: an interim report. Fisher B. **Breast Cancer Res Treat** 1983;3 Suppl:S7–17

Relation of estrogen and/or progesterone receptor content of breast cancer to patient outcome following adjuvant chemotherapy. Fisher B, et al. **Breast Cancer Res Treat** 1983;3(4):355–64

Chemoendocrine therapy vs chemotherapy alone for advanced breast cancer in postmenopausal women: preliminary report of a randomized study. Kardinal CG, et al. **Breast Cancer Res Treat** 1983;3(4):365–71

Adjuvant therapy of breast cancer: the Southwest Oncology Group experience. Knight WA 3d, et al. **Breast Cancer Res Treat** 1983;3 Suppl:S27–33

Adjuvant endocrine therapy, cytotoxic chemotherapy, and immunotherapy in stage–II breast cancer: five–year results. Pearson OH, et al. **Breast Cancer Res Treat** 1983;3 Suppl:S61–8

Postmastectomy adjuvant chemotherapy with or without radiation therapy in women with operable breast cancer and positive axillary lymph nodes: the Southeastern Cancer Study Group experience. Velez–Garcia E, et al. **Breast Cancer Res Treat** 1983;3 Suppl:S49–60

Adjuvant chemotherapy in stage–II breast cancer: an overview of the NSABP clinical trials. Wolmark N, et al. **Breast Cancer Res Treat** 1983;3 Suppl:S19–26

Cancer and Leukemia Group B adjuvant chemotherapy trials in postmastectomy breast cancer patients. Wood WC. **Breast Cancer Res Treat** 1983;3 Suppl:S39–43

Intra–arterial infusion chemotherapy in rectal cancer. Duprat G Jr, et al. **Can J Surg** 1984 Jan;27(1):57–9

Randomized study of combination chemotherapy in unresectable gastric cancer. The Gastrointestinal Tumor Study Group. **Cancer** 1984 Jan 1;53(1):13–7

Chemotherapy for multiple myeloma. Alexanian R, et al. **Cancer** 1984 Feb 1;53(3):583–8

Chemotherapy in hairy cell leukemia. Preliminary results of a nonaggressive regimen. Annino L, et al. **Cancer** 1984 Jun 1;53(11):2398–400

Hodgkin's disease in children. Results of therapy in a mixed group of 178 clinical and pathologically staged patients over 13 years. Bayle–Weisgerber C, et al. **Cancer** 1984 Jul 15;54(2):215–22

Comparison of melphalan with cyclophosphamide, methotrexate, and 5–fluorouracil in patients with ovarian cancer. Brodovsky HS, et al. **Cancer** 1984 Feb 15; 53(4):844–52

High–dose methotrexate with leucovorin rescue in patients with unresectable non–small cell carcinoma of the lung. Brower M, et al. **Cancer** 1983 Nov 15;52(10):1778–82

Randomized trial of 5–fluorouracil and mitomycin C with or without streptozotocin for advanced pancreatic cancer. A Southwest Oncology Group study. Bukowski RM, et al. **Cancer** 1983 Nov 1;52(9):1577–82

Adjuvant chemotherapy with fluorouracil, doxorubicin, and cyclophosphamide, with or without Bacillus Calmette–Guerin and with or without irradiation in operable breast cancer. A prospective randomized trial. Buzdar AU, et al. **Cancer** 1984 Feb 1;53(3):384–9

Methyl–CCNU, doxorubicin, and cis–diamminedichloroplatinum II in the management of recurrent and metastatic squamous carcinoma of the cervix. Carlson JA Jr, et al. **Cancer** 1984 Jul 15;54(2):211–4

Mixed mesodermal sarcoma of the ovary. Treatment with combination radiation therapy and chemotherapy. Carlson JA Jr, et al. **Cancer** 1983 Oct 15;52(8):1473–7

Chemotherapy for advanced hepatocellular carcinoma. Adriamycin versus quadruple chemotherapy. Choi TK, et al. **Cancer** 1984 Feb 1;53(3):401–5

Salvage therapy of aggressive non–Hodgkin's lymphoma with a combination of vinblastine, bleomycin, and cisplatin. Corder MP, et al. **Cancer** 1984 Jul 15;54(2):202–6

Combination chemotherapy plus levamisole in the treatment of disseminated malignant melanoma. A Southwest Oncology Group study. Costanzi JJ, et al. **Cancer** 1984 Feb 15;53(4):833–6

Cyclophosphamide, adriamycin, and cis–diamminedichloroplatinum (II) in the treatment of advanced nonsquamous cell head and neck cancer. Creagan ET, et al. **Cancer** 1983 Dec 1;52(11):2007–10

Correlation between response to cisplatinum–combination chemotherapy and subsequent radiotherapy in previously untreated patients with advanced squamous cell cancers of the head and neck. Ensley JF, et al. **Cancer** 1984 Sep 1;54(5):811–4

Malignant histiocytosis. Esseltine DW, et al. **Cancer** 1983 Nov 15;52(10):1904–10 (45 ref.)

VP–16 alone and in combination with cisplatin in previously treated patients with small cell lung cancer. Evans WK, et al. **Cancer** 1984 Apr 1;53(7):1461–6

Primary liver cancer. An Eastern Cooperative Oncology Group Trial. Falkson G, et al. **Cancer** 1984 Sep 15; 54(6):970–7

Eastern Cooperative Oncology Group experience with chemotherapy for inoperable gallbladder and bile duct cancer. Falkson G, et al. **Cancer** 1984 Sep 15;54(6):965–9

High–dose chemotherapy and autologous bone marrow transplantation for the treatment of small cell lung carcinoma. Farha P, et al. **Cancer** 1983 Oct 15;52(8):1351–5

The improvement in survival associated with combined chemotherapy in childhood rhabdomyosarcoma. A historical comparison of 345 patients in the same center. Flamant F, et al. **Cancer** 1984 Jun 1;53(11):2417–21

Acute leukemia in children. Model for the development of scientific methodology for clinical therapeutic research in cancer. Frei E 3d. **Cancer** 1984 May 15;53(10):2013–25 (81 ref.)

Acute leukemia. A prototype of disseminated cancer. Freireich EJ. **Cancer** 1984 May 15;53(10):2026–33 (29 ref.)

Chemotherapy of disseminated gastric cancer. A joint effort of the Northern California Oncology Group and the Japanese Gastric Cancer Chemotherapy Group. Friedman MA, et al. **Cancer** 1983 Nov 15;52(10):1771–7

Doxorubicin, cyclophosphamide, and whole body hyperthermia for treatment of advanced soft tissue sarcoma. Gerad H, et al. **Cancer** 1984 Jun 15;53(12):2585–91

Adjuvant postoperative radiotherapy, chemotherapy, and immunotherapy in stage III breast cancer. Gröhn P, et al. **Cancer** 1984 Aug 15;54(4):670–4

Potentiation of methylglyoxal–bis–guanylhydrazone by alpha–difluoromethylornithine in rat prostate cancer. Herr HW, et al. **Cancer** 1984 Mar 15;53(6):1294–8

Efficacy of MER immunotherapy when added to a regimen of 5–fluorouracil and methyl–CCNU following resection for carcinoma of the large bowel. A Veterans Administration Surgical Oncology Group report. Higgins GA, et al. **Cancer** 1984 Jul 15;54(2):193–8

Efficacy of prolonged intermittent therapy with combined 5–fluorouracil and methyl–CCNU following resection for carcinoma of the large bowel. A Veterans Administration Surgical Oncology Group report. Higgins GA Jr, et al. **Cancer** 1984 Jan 1;53(1):1–8

Dimethyl triazeno imidazole carboxamide and combination therapy for melanoma. IV. Late results after complete response to chemotherapy (Central Oncology Group protocols 7130, 7131, and 7131A). Hill GJ 2d, et al. **Cancer** 1984 Mar 15;53(6):1299–305

The influence of myelosuppression on the response to chemotherapy in small cell bronchogenic carcinoma. Holoye PY, et al. **Cancer** 1984 Aug 1;54(3):411–5

Postoperative adjuvant chemotherapy for gastric carcinoma. Analysis of data on 1805 patients followed for 5 years. Inokuchi K, et al. **Cancer** 1984 Jun 1;53(11):2393–7

High–dose cyclophosphamide and high–dose 5–fluorouracil. A new first–line regimen for advanced breast cancer. Israel L, et al. **Cancer** 1984 Apr 15;53(8):1655–9

A randomized phase III study of cisplatin with or without methotrexate for recurrent squamous cell carcinoma of the head and neck. A Northern California Oncology Group study. Jacobs C, et al. **Cancer** 1983 Nov 1;52(9):1563–9

Hodgkin's disease in children. A ten–year experience in South Africa. Jacobs P, et al. **Cancer** 1984 Jan 15;53(2):210–3

Treatment of diffuse poorly differentiated lymphocytic lymphoma. An analysis of prognostic variables. Al–Katib A, et al. **Cancer** 1984 Jun 1;53(11):2404–12

Cisplatin and 5–fluorouracil infusion in patients with recurrent and disseminated epidermoid cancer of the head and neck. Kish JA, et al. **Cancer** 1984 May 1;53(9):1819–24

NHL–3 protocol. Six–drug combination chemotherapy for non–Hodgkin's lymphoma. Koziner B, et al. **Cancer** 1984 Jun 15;53(12):2592–600

Complete remission in prolymphocytic leukemia with 4–demethoxydaunorubicin and arabinosyl cytosine. Lambertenghi–Deliliers G, et al. **Cancer** 1984 Jul 15; 54(2):199–201

Combination chemotherapy of metastatic breast carcinoma with cyclophosphamide, adriamycin, and peptichemio. Legha SS, et al. **Cancer** 1984 May 1;53(9):1836–40

Malignant mesothelioma. The Eastern Cooperative Oncology Group (ECOG) experience. Lerner HJ, et al. **Cancer** 1983 Dec 1;52(11):1981–5

The effect of postoperative and primary radiation therapy on delivered dose of adjuvant cyclophosphamide, methotrexate, and 5–fluorouracil (CMF) chemotherapy in breast cancer. Levine JF, et al. **Cancer** 1984 Jan 15; 53(2):237–41

A phase III trial comparing prednimustine (LEO 1031) to chlorambucil plus prednisolone in advanced breast cancer. Løber J, et al. **Cancer** 1983 Nov 1;52(9):1570–6

Adriamycin (doxorubicin), vinblastine, and mitomycin C combination chemotherapy in refractory breast carcinoma. Luikart SD, et al. **Cancer** 1984 Oct 1;54(7):1252–5

Treatment of acute myeloid leukemia with a combination of intensive induction chemotherapy, early consolidation, splenectomy and long–term maintenance chemotherapy. Machover D, et al. **Cancer** 1984 Apr 15;53(8):1644–50

Effect on immunologic and other indices of adjuvant cytotoxic chemotherapy including melphalan in breast cancer. Mackay IR, et al. **Cancer** 1984 Jun 15; 53(12):2619–27

Pulmonary blastoma. Case report and literature review of chemotherapy experience. Medbery CA 3d, et al. **Cancer** 1984 Jun 1;53(11):2413–6 (27 ref.)

Psychosocial implications of adjuvant chemotherapy. A two–year follow–up. Meyerowitz BE, et al. **Cancer** 1983 Oct 15;52(8):1541–5

Combination chemotherapy with or without hexamethylmelamine in alkylating–agent resistant ovarian carcinoma. Neijt JP, et al. **Cancer** 1984 Apr 1;53(7):1467–72

Combination chemotherapy with mitomycin C, methotrexate, cisplatin, and vinblastine in the treatment of non–small cell lung cancer. Niell HB, et al. **Cancer** 1984 Oct 1;54(7):1260–3

Osteogenic sarcoma of the fourth thoracic vertebra. Long–term survival by chemotherapy only. Ogihara Y, et al. **Cancer** 1984 Jun 15;53(12):2615–8

Hodgkin's disease with leptomeningeal involvement. Report of a case with long survival. Orlowski EP, et al. **Cancer** 1984 May 1;53(9):1833–5

Cyvadic in advanced soft tissue sarcoma: a randomized study comparing two schedules. A study of the EORTC Soft Tissue and Bone Sarcoma Group. Pinedo HM, et al. **Cancer** 1984 May 1;53(9):1825–32

Adriamycin, dibromodulcitol, and mitomycin combination chemotherapy for patients with metastatic breast carcinoma previously treated with cyclophosphamide, methotrexate, 5–fluorouracil, vincristine, and prednisone. Pinnamaneni K, et al. **Cancer** 1984 May 1;53(9):1841–4

Retroperitoneal lymphadenectomy and aggressive chemotherapy in nonbulky clinical Stage II nonseminomatous germinal testis tumors. Pizzocaro G, et al. **Cancer** 1984 Mar 15;53(6):1363–8

Bleomycin infusion followed by cyclophosphamide, methotrexate, and 5–fluorouracil in advanced squamous carcinoma of the head and neck. Plasse TF, et al. **Cancer** 1984 Feb 15;53(4):841–3

Small cell lung cancer and the influence of chemotherapy on CFUcs in bone marrow. Postmus PE, et al. **Cancer** 1984 Feb 1;53(3):396–400

The antitumoral activity of 4'–deoxydoxorubicin compared to doxorubicin and 5–fluorouracil on methylazoxymethanol acetate–induced colon tumors in CF1 mice. Pratesi G, et al. **Cancer** 1984 Jul 1;54(1):18–24

Effects of amphotericin B on combinat on chemotherapy of metastatic sarcomas. Presant CA, et al. **Cancer** 1984 Jan 15;53(2):214–8

Effective chemotherapy for advanced carcinoma of the cervix with bleomycin, cisplatin, vincristine, and methotrexate. Rosenthal CJ, et al. **Cancer** 1983 Dec 1; 52(11):2025–30

Differentiation versus cytoreduction during remission induction in acute nonlymphoblastic leukemia treated with sequential high–dose ara–C and asparaginase. Ross DW, et al. **Cancer** 1984 Apr 15;53(8):1651–4

Bone marrow metastases at diagnosis in children and adolescents with rhabdomyosarcoma. A report from the intergroup rhabdomyosarcoma study. Ruymann FB, et al. **Cancer** 1984 Jan 15;53(2):368–73

Dose–response and dose–survival advantage for high versus low–dose cisplatin combined with vinblastine and bleomycin in disseminated testicular cancer. A Southwest Oncology Group study. Samson MK, et al. **Cancer** 1984 Mar 1;53(5):1029–35

Successful pregnancy following continuous treatment with combination chemotherapy before conception and throughout pregnancy. Schapira DV, et al. **Cancer** 1984 Sep 1;54(5):800–3

Multivariate analysis of factors associated with invasive fungal disease during remission induction therapy for acute myelogenous leukemia. Schwartz RS, et al. **Cancer** 1984 Feb 1;53(3):411–9

Adriamycin and cyclophosphamide versus hydroxyurea in advanced prostatic cancer. A randomized Southwest Oncology Group study. Stephens RL, et al. **Cancer** 1984 Feb 1;53(3):406–10

Stage IV–S neuroblastoma. Results with definitive therapy. Stokes SH, et al. **Cancer** 1984 May 15;53(10):2083–6

Prolymphocytic leukemia. Serial responses to therapy. Swift JF, et al. **Cancer** 1984 Sep 15;54(6):978–80

Hydroxyurea fails to improve the results of MBD chemotherapy in cancer of the head and neck, but reduces toxicity. Vogl SE, et al. **Cancer** 1983 Dec 1;52(11):2011–6

PALA, vindesine, and cisplatin combination chemotherapy in advanced malignant melanoma. A pilot study. Voigt H, et al. **Cancer** 1984 May 15;53(10):2058–62

The VAB–6 regimen in the treatment of metastatic seminoma. Vugrin D, et al. **Cancer** 1984 Jun 1; 53(11):2422–4

Response of esthesioneuroblastoma to chemotherapy. Report of five cases and review of the literature. Wade PM Jr, et al. **Cancer** 1984 Mar 1;53(5):1036–41 (17 ref.)

Sequential non–cross–resistant chemotherapy regimens (MOPP and CAVmP) in Hodgkin's disease stage IIIB and IV. Wagener DJ, et al. **Cancer** 1983 Nov 1;52(9):1558–62

Clinical value of immunotherapy for lung cancer by the streptococcal preparation OK–432. Watanabe Y, et al. **Cancer** 1984 Jan 15;53(2):248–53

Vincristine, cisplatin, and bleomycin with surgery in the management of advanced metastatic nonseminomatous testis tumors. Wettlaufer JN, et al. **Cancer** 1984 Jan 15; 53(2):203–9

Studies on the pathology of non–Hodgkin's lymphoma of childhood. I. The role of routine histopathology as a prognostic factor. A report from the Children's Cancer Study Group. Wilson JF, et al. **Cancer** 1984 Apr 15; 53(8):1695–704

Treatment of metastatic malignant melanoma with vinblastine, bleomycin by infusion and cisplatin. York RM, et al. **Cancer** 1983 Dec 15;52(12):2220–2

Treatment of six cases of mesothelioma with doxorubicin and cisplatin. Zidar BL, et al. **Cancer** 1983 Nov 15; 52(10):1788–91

Phase II trial of vindesine and VP16–213 in the palliation of poor–prognosis patients and elderly patients with small cell lung cancer. Allan SG, et al. **Cancer Chemother Pharmacol** 1984;13(2):106–8

Combination chemotherapy (high–dose methotrexate with citrovorum factor rescue, mechlorethamine, and procarbazine) in non–small cell lung cancer. Bhasin RR, et al. **Cancer Chemother Pharmacol** 1983;11(2):106–7

A pilot study of cyclical chemotherapy with high–dose methotrexate and CHOP (MTX–CHOP) in poor–prognosis non–Hodgkin's lymphoma (NHL). Child JA, et al. **Cancer Chemother Pharmacol** 1983;11(3):153–8

Combination of dacarbazine, mitomycin C, 5–fluorouracil and vincristine in advanced colorectal cancer. Falkson G, et al. **Cancer Chemother Pharmacol** 1983;11(3):203–4

A randomized trial of adriamycin, cyclophosphamide, ftorafur (ACF) and adriamycin, cyclophosphamide, ftorafur, methotrexate (ACFM) in patients with advanced breast cancer. Inoue K, et al. **Cancer Chemother Pharmacol** 1984;13(2):95–9

CCNU in combination chemotherapy for advanced histologically unfavorable non–Hodgkin's lymphoma. Jackson DV Jr, et al. **Cancer Chemother Pharmacol** 1983; 11(3):191–5

Phase–II study of vindesine and hexamethylmelamine in patients with relapsing small cell carcinoma of the lung. Joss RA, et al. **Cancer Chemother Pharmacol** 1984; 13(2):148–9

High–dose adriamycin (ADM) and cis–platinum (DDP) in advanced soft–tissue sarcomas and invasive thymomas. A pilot study. Klippstein TH, et al. **Cancer Chemother Pharmacol** 1984;13(2):78–81

CAP (cyclophosphamide, adriamycin, platinum) vs CMFVP (cyclophosphamide, methotrexate, 5–fluorouracil, vincristine, prednisolone) combination chemotherapy in untreated metastatic breast cancer. A preliminary report of a controlled clinical study. Kolarić K, et al. **Cancer Chemother Pharmacol** 1984;13(2):142–4

Combination chemotherapy including adriamycin for advanced transitional cell carcinoma of the urinary tract. Kotake T, et al. **Cancer Chemother Pharmacol** 1983;11 Suppl:S38–42

5–fluorouracil, adriamycin, and BCNU (FAB) combination chemotherapy for advanced gastric cancer. Lopez M, et al. **Cancer Chemother Pharmacol** 1984;12(3):194–7

Development and clinical application of an AFC regimen (adriamycin, futraful, cytosine arabinoside) for superficial bladder tumors. Mishina T, et al. **Cancer Chemother Pharmacol** 1983;11 Suppl:S89–90

Mitomycin C, melphalan and methotrexate combination chemotherapy for palliation of disseminated breast cancer. Perez DJ, et al. **Cancer Chemother Pharmacol** 1984; 13(1):36–8

Vincristine, doxorubicin and mitomycin (VAM) in patients with advanced breast cancer previously treated with cyclophosphamide, methotrexate and fluorouracil (CMF). A clinical trial of the Piedmont Oncology Association (POA). Shipp SK, et al. **Cancer Chemother Pharmacol** 1983; 11(2):130–3

Cooperative studies of systemic chemotherapy. A review of the work of the EORTC Urological Group and of the Yorkshire Urological Cancer Research Group (YUCRG). Smith PH, et al. **Cancer Chemother Pharmacol** 1983;11 Suppl:S25–31

Combination chemotherapy for the treatment of Hodgkin's disease in relapse. Results with lomustine (CCNU), melphalan (Alkeran), and vindesine (DVA) alone (CAD) and in alternation with MOPP and doxorubicin

(Adriamycin), bleomycin, and vinblastine (ABV). Straus DJ, et al. **Cancer Chemother Pharmacol** 1983;11(2):80–5

Combination chemotherapy for advanced bladder cancer with adriamycin, cyclophosphamide, and 5–fluorouracil. Tashiro K, et al. **Cancer Chemother Pharmacol** 1983;11 Suppl:S43–6

Chemotherapy of advanced transitional cell carcinoma of the uroepithelium. Torti FM, et al. **Cancer Chemother Pharmacol** 1983;11 Suppl:S1–4 (51 ref.)

Phase–II trials in patients with urothelial tract tumors. Memorial Sloan–Kettering Cancer Center. Yagoda A. **Cancer Chemother Pharmacol** 1983;11 Suppl:S9–12

Vinblastine, bleomycin, and cis–platin as salvage therapy for MOPP treated patients with Hodgkin's lymphoma. Corder MP, et al. **Cancer Invest** 1984;2(3):193–8

Primary osteogenic sarcoma of the femur: a model for the use of preoperative chemotherapy in high risk malignant tumors. Rosen G, et al. **Cancer Invest** 1984;2(3):181–92

Analgesic efficacy and pharmacokinetic evaluation of meperidine and hydroxyzine, alone and in combination. Stambaugh JE Jr, et al. **Cancer Invest** 1983;1(2):111–7

Enhanced antitumor activity of adriamycin in combination with allopurinol. Schwartz HS. **Cancer Lett** 1983 Aug; 20(1):69–74

Effect of selenium in combination with cis–diamminedichloroplatinum(II) in the treatment of murine fibrosarcoma. Berry JP, et al. **Cancer Res** 1984 Jul; 44(7):2864–8

Experimental and clinical activity of mitomycin C and cis–diamminedichloroplatinum in malignant mesothelioma. Chahinian AP, et al. **Cancer Res** 1984 Apr;44(4):1688–92

Prediction of response to chemotherapy in acute leukemia by in vitro drug sensitivity testing on leukemic stem cells. Gustavsson A, et al. **Cancer Res** 1984 Oct;44(10):4648–52

Treatment of murine testicular leukemia. Hoots WK, et al. **Cancer Res** 1984 Jun;44(6):2464–6

Continuous versus alternating combination chemotherapy for advanced small cell carcinoma of the lung. Osterlind K, et al. **Cancer Res** 1983 Dec;43(12 Pt 1):6085–9

Failure of late intensification therapy to improve a poor result in childhood lymphoblastic leukemia. Pui CH, et al. **Cancer Res** 1984 Aug;44(8):3593–8

Variations in committed stem cells (CFU–GM and CFU–TL) in the peripheral blood of cancer patients treated by sequential combination chemotherapy for breast cancer. Rusé–Riol F, et al. **Cancer Res** 1984 May;44(5):2219–24

Influence of intensive asparaginase in the treatment of childhood non–T–cell acute lymphoblastic leukemia. Sallan SE, et al. **Cancer Res** 1983 Nov;43(11):5601–7

Histidinol–mediated improvement in the specificity of 1–beta–D–arabinofuranosylcytosine and 5–fluorouracil in L 1210 leukemia–bearing mice. Warrington RC, et al. **Cancer Res** 1984 Jul;44(7):2929–35

Trial of vindesine, etoposide, and cisplatin in patients with previously treated, advanced–stage, non–small cell bronchogenic carcinoma. Albain KS, et al. **Cancer Treat Rep** 1984 Feb;68(2):413–5

Combination chemotherapy in relapsed childhood acute lymphoblastic leukemia. Amato KR, et al. **Cancer Treat Rep** 1984 Feb;68(2):411–2

Phase I study of continuous–infusion PALA and 5–FU. Ardalan B, et al. **Cancer Treat Rep** 1984 Mar;68(3):531–4

Current status of amsacrine (AMSA) combination chemotherapy programs in acute leukemia. Arlin ZA. **Cancer Treat Rep** 1983 Nov;67(11):967–70 (21 ref.)

Nonaggresive combination chemotherapy for resistant immunocytoma. Bareford D, et al. **Cancer Treat Rep** 1984 Jul–Aug;68(7–8):1033–4

Treatment of metastatic colorectal carcinoma with 5–FU, mitomycin, vincristine, and methotrexate. Beck TM, et al. **Cancer Treat Rep** 1984 Apr;68(4):647–50

High–dose methotrexate with leucovorin rescue, vinblastine, and bleomycin with or without tamoxifen in metastatic renal cell carcinoma. Bell DR, et al. **Cancer Treat Rep** 1984 Apr;68(4):587–90

Combination chemotherapy with cisplatin and bleomycin in advanced cervical cancer. Bloch B, et al. **Cancer Treat Rep** 1984 Jun;68(6):891–3

Addition of cisplatin and bleomycin to vincristine–carmustine–doxorubicin–prednisone (VBAP) combination in the treatment of relapsing or resistant multiple myeloma: a Southwest Oncology Group study. Bonnet JD, et al. **Cancer Treat Rep** 1984 Mar;68(3):481–5

Clinical application of the concept of methotrexate plus 5–FU sequence–dependent 'synergy': how good is the evidence? Browman GP. **Cancer Treat Rep** 1984 Mar;68(3):465–9

Sequential methotrexate and 5–FU in CMFP (cyclophosphamide, methotrexate, 5–FU, and prednisone) therapy for breast cancer. Cadman EC, et al. **Cancer Treat Rep** 1984 Jun;68(6):877–9

Phase I evaluation of a biochemically designed combination: PALA, thymidine, and 5–FU. Casper ES, et al. **Cancer Treat Rep** 1984 Mar;68(3):539–41

Conventional agents in lung cancer [letter] Chahinian AP. **Cancer Treat Rep** 1984 Mar;68(3):566–8

Concomitant razoxane and doxorubicin treatment on a weekly schedule. Chlebowski RT, et al. **Cancer Treat Rep** 1984 Jul–Aug;68(7–8):1035–7

An active chemotherapy regimen for squamous cell lung cancer. Cohen MH, et al. **Cancer Treat Rep** 1984 Mar; 68(3):475–9

Bleomycin, carmustine, vincristine, and dacarbazine in patients with metastatic malignant melanoma. Cohen SM, et al. **Cancer Treat Rep** 1983 Oct;67(10):947–8

Chemotherapy for advanced adenocarcinoma and squamous cell carcinoma of the lung with etoposide and cisplatin. Dhingra HM, et al. **Cancer Treat Rep** 1984 Apr;68(4):671–3

Complete remission in refractory Burkitt's lymphoma [letter] Drasga RE, et al. **Cancer Treat Rep** 1984 May;68(5):818–9

Carmustine and Baker's antifol combination chemotherapy for primary brain tumors progressive after irradiation and chemotherapy. Eagan RT, et al. **Cancer Treat Rep** 1984 Feb;68(2):431–3

Effect of disulfiram on cyclophosphamide toxicity: a clinical trial. Ershler WB, et al. **Cancer Treat Rep** 1983 Dec; 67(12):1145–7

Randomized trial of hexamethylmelamine versus 5–FU, doxorubicin, and cyclophosphamide (FAC) in advanced transitional cell bladder carcinoma: a Southwest Oncology Group study. Gagliano RG, et al. **Cancer Treat Rep** 1984 Jul–Aug;68(7–8):1025–6

Phase II study of sequential methotrexate and 5–FU plus mitomycin and leucovorin in patients with disseminated large bowel cancer: a Northern California Oncology Group study. Ignoffo RJ, et al. **Cancer Treat Rep** 1984 Jul–Aug; 68(7–8):983–8

Surgical resection and limited chemotherapy for abdominal undifferentiated lymphomas. Janus C, et al. **Cancer Treat Rep** 1984 Apr;68(4):599–605

Treatment of hormone–resistant metastatic carcinoma of the prostate with 5–FU, doxorubicin, and mitomycin (FAM): a preliminary report. Kasimis BS, et al. **Cancer Treat Rep** 1983 Oct;67(10):937–9

Sequential methotrexate plus 5–FU in advanced breast and colorectal cancers: a phase II study. Kaye SB, et al. **Cancer Treat Rep** 1984 Mar;68(3):547–8

Comparison of combination chemotherapy programs in advanced adenocarcinoma–large cell carcinoma of the lung: a North Central Cancer Treatment Group study. Krook JE, et al. **Cancer Treat Rep** 1984 Mar;68(3):493–8

Preliminary results of high–dose busulfan and cyclophosphamide with syngeneic or autologous bone marrow rescue. Lu C, et al. **Cancer Treat Rep** 1984 May; 68(5):711–7

Evaluation of combined cyclophosphamide and methotrexate therapy in the treatment of metastatic carcinoid tumor and the malignant carcinoid syndrome. Moertel CG, et al. **Cancer Treat Rep** 1984 Apr;68(4):665–7

Treatment of patients with metastatic osteogenic sarcoma: a report from the Children's Cancer Study Group. Morgan E, et al. **Cancer Treat Rep** 1984 Apr;68(4):661–4

Aggressive doxorubicin–containing regimen (prednisone, methotrexate, 5–FU, doxorubicin, and cyclophosphamide; PM–FAC) in disseminated estrogen receptor–negative breast cancer. Mortimer J, et al. **Cancer Treat Rep** 1984 Jul–Aug;68(7–8):1017–8

Treatment of recurrent small cell lung carcinoma with vindesine and cisplatin. Niederle N, et al. **Cancer Treat Rep** 1984 May;68(5):791–2

Clinical trial of PALA and L–Alanosine in advanced colorectal carcinoma. O'Connell MJ, et al. **Cancer Treat Rep** 1983 Dec;67(12):1141–2

Hairy cell leukemia responsive to chemotherapy with doxorubicin, bleomycin, vinblastine, and dacarbazine (ABVD). Patten E, et al. **Cancer Treat Rep** 1983 Dec; 67(12):1147–8

Phase I trial of cytarabinc and hydroxyurea. Pfeifle CE, et al. **Cancer Treat Rep** 1983 Dec;67(12):1127–9

Doxorubicin, bleomycin, vinblastine, and dacarbazine (ABVD) salvage of mechlorethamine, vincristine, prednisone, and procarbazine (MOPP)–resistant advanced Hodgkin's disease. Piga A, et al. **Cancer Treat Rep** 1984 Jul–Aug;68(7–8):947–51

Effects of amphotericin B with combination chemotherapy on response rates and on survival in non–small cell carcinoma of the lung. Presant CA, et al. **Cancer Treat Rep** 1984 Apr;68(4):651–4

Multidrug chemotherapy (vincristine, bleomycin, and methotrexate [VBM]) with radiotherapy in stage III–IV squamous cell carcinoma of the head and neck. Rosso R, et al. **Cancer Treat Rep** 1984 Jul–Aug;68(7–8):1019–21

Alternating pulses of vincristine–prednisone with cytarabine–cyclophosphamide versus vincristine–prednisone in the maintenance therapy of acute lymphoblastic leukemia. Sackmann Muriel F, et al. **Cancer Treat Rep** 1984 Apr;68(4):581–6

Methotrexate with thymidine protection or rescue in advanced head and neck cancer: a phase II study. Schornagel JH, et al. **Cancer Treat Rep** 1984 Mar; 68(3):543–5

Phase II trial of mitomycin, vinblastine, and cisplatin (MVP) in non–small cell bronchogenic carcinoma. Schulman P, et al. **Cancer Treat Rep** 1983 Oct;67(10):943–5

Sequential continuous infusion with doxorubicin and vinblastine: an effective chemotherapy combination for patients with advanced breast cancer previously treated with cyclophosphamide, methotrexate, 5–FU, vincristine, and prednisone. Tannir N, et al. **Cancer Treat Rep** 1984 Jul–Aug;68(7–8):1039–41

Palliative treatment of head and neck squamous cancer with cisplatin and hydroxyurea [letter] Taylor SG 4th, et al. **Cancer Treat Rep** 1984 Jun;68(6):932–3

Effectiveness of 'two–route chemotherapy' using cisplatin and its antidote, sodium thiosulfate, on lifespan of rats bearing metastatic liver tumors. Uozumi J, et al. **Cancer Treat Rep** 1983 Dec;67(12):1067–74

High–dose methotrexate with leucovorin rescue plus vincristine in advanced sarcoma: a Southwest Oncology Group study. Vaughn CB, et al. **Cancer Treat Rep** 1984 Feb;68(2):409–10

Treatment of malignant germ cell tumors of the ovary with cisplatin, vinblastine, and bleomycin (PVB). Vriesendorp R, et al. **Cancer Treat Rep** 1984 May;68(5):779–81

Warfarin, etoposide, and vindesine interactions [letter] Ward K, et al. **Cancer Treat Rep** 1984 May;68(5):817–8

Vindesine, carmustine, doxorubicin, and prednisone (EBAP) in recurrent lymphomas: a Southwest Oncology Group study. Weick JK, et al. **Cancer Treat Rep** 1984 Jul–Aug; 68(7–8):963–7

Cisplatin, doxorubicin, cyclophosphamide, lomustine, and vincristine (PACCO) in the treatment of non–small cell bronchogenic carcinoma. Whitehead RP, et al. **Cancer Treat Rep** 1984 May;68(5):771–3

Randomized phase II studies in advanced colorectal carcinoma: a North Central Cancer Treatment Group study. Windschitl H, et al. **Cancer Treat Rep** 1983 Nov; 67(11):1001–8

Chemotherapy of non–small cell lung cancer: a reappraisal and a look to the future. Bakowski MT, et al. **Cancer Treat Rev** 1983 Sep;10(3):159–72 (80 ref.)

Ifosfamide, mesna and vincristine in paediatric oncology. de Kraker J, et al. **Cancer Treat Rev** 1983 Sep;10 Suppl A:165–6

Ifosfamide (with mesna), vincristine and cis–platinum for carcinoma of the head and neck. Focan C, et al. **Cancer Treat Rev** 1983 Sep;10 Suppl A:159–61

Randomised trial comparing sequential methotrexate (or 5–FU), vinblastine and ifosfamide to vincristine, adriamycin and ifosfamide in advanced lung cancer. Focan C, et al. **Cancer Treat Rev** 1983 Sep;10 Suppl A:103–10

Treatment of small cell lung cancer by different chemotherapy regimes. Gropp C, et al. **Cancer Treat Rev** 1983 Sep;10 Suppl A:111–20

Combined chemotherapy with ifosfamide and cisplatin and with ifosfamide and etoposide (VP–16) in non–small cell carcinoma of the bronchus. Manke HG, et al. **Cancer Treat Rev** 1983 Sep;10 Suppl A:125–8

Combination chemotherapy with adriamycin, ifosfamide and mesna in extensive–stage non–small cell bronchogenic carcinoma. Matthiessen W, et al. **Cancer Treat Rev** 1983 Sep;10 Suppl A:121–3

Ifosfamide in combination chemotherapy for sarcomas and testicular carcinomas. Niederle N, et al. **Cancer Treat Rev** 1983 Sep;10 Suppl A:129–35

Treatment of refractory malignant neoplasms with ifosfamide as single agent and in combination chemotherapy. Retsas S. **Cancer Treat Rev** 1983 Sep;10 Suppl A:151–7

Treatment of refractory malignant lymphomas with ifosfamide/etoposide combination chemotherapy. Scheulen ME, et al. **Cancer Treat Rev** 1983 Sep;10 Suppl A:137–43

Mitoxantrone (Novantrone) as single agent and in combination chemotherapy in the treatment of advanced breast cancer. Smith IE, et al. **Cancer Treat Rev** 1983 Dec; 10 Suppl B:37–40

Relapse of adult acute lymphoblastic leukaemia treated with ifosfamide combination chemotherapy. Timonen TT. **Cancer Treat Rev** 1983 Sep;10 Suppl A:145–50

Combination chemotherapy with cyclophosphamide, mitoxantrone and 5–fluorouracil in patients with metastatic breast cancer. Yap HY, et al. **Cancer Treat Rev** 1983 Dec; 10 Suppl B:53–5

Combination of anticancer agents with folic acid in the treatment of murine leukaemia P388. Parchure M, et al. **Chemotherapy** 1984;30(2):119–24

Pretibial myxedema (elephantiasic form): treatment with cytotoxic therapy. Hanke CW, et al. **Cleve Clin Q** 1983 Summer;50(2):183–8

Repetitive debulking surgery as adjuvant to chemotherapy in advanced epithelial ovarian cancer. Onnis A, et al. **Clin Exp Obstet Gynecol** 1984;11(1–2):21–6

The treatment of Kaposi's sarcoma by combination chemotherapy in Nigeria. Ketiku KK, et al. **Clin Radiol** 1984 Mar;35(2):155–8

Perianal alveolar rhabdomyosarcoma in a child. Report of a long–term survival case. Mihara S, et al. **Dis Colon Rectum** 1983 Nov;26(11):728–31 (22 ref.)

Adriamycin and mitomycin C as initial chemotherapy for advanced breast cancer. Amiel SA, et al. **Eur J Cancer Clin Oncol** 1984 May;20(5):631–4

Combined modality treatment of short duration in small cell lung cancer. Bakker W, et al. **Eur J Cancer Clin Oncol** 1984 Aug;20(8):1033–7

Randomized trial of 3 different regimens of combination chemotherapy in patients receiving simultaneously a hormonal treatment for advanced breast cancer. Cavalli F, et al. **Eur J Cancer Clin Oncol** 1983 Nov;19(11):1615–24

Timed sequential chemotherapy following drug–induced kinetic recruitment in refractory ovarian cancer. Conte PF, et al. **Eur J Cancer Clin Oncol** 1984 Aug;20(8):1039–43

Cisplatin, bleomycin and methotrexate in the treatment of advanced oesophageal cancer. De Besi P, et al. **Eur J Cancer Clin Oncol** 1984 Jun;20(6):743–7

Vindesine and cisplatin combination chemotherapy compared with vindesine as a single agent in the management of non–small cell lung cancer: a randomized study. Elliott JA, et al. **Eur J Cancer Clin Oncol** 1984 Aug;20(8):1025–32

Dibromodulcitol, mitomycin C and vinblastine (DMV) chemotherapy in advanced breast cancer. Howell A, et al. **Eur J Cancer Clin Oncol** 1984 Jul;20(7):873–6

Influence of molar ratio on the combination effect of 5–fluorouracil with guanosine 5'–monophosphate on P388 and L1210 leukemias. Iigo M, et al. **Eur J Cancer Clin Oncol** 1984 Mar;20(3):411–5

A phase II study of 4'–epi–doxorubicin plus cis–platinum in advanced solid tumors. Martoni A, et al. **Eur J Cancer Clin Oncol** 1984 Jan;20(1):11–7

cis–Platinum (DDP) and VP 16–213 (etoposide) combination chemotherapy for advanced non–small cell lung cancer. A phase II clinical trial. Mitrou PS, et al. **Eur J Cancer Clin Oncol** 1984 Mar;20(3):347–51

A clinicopathologic study in advanced non–Hodgkin's lymphomas treated with sequential non–cross–resistant regimens: comparison of the working formulation with the Rappaport and Kiel classifications. Monfardini S, et al. **Eur J Cancer Clin Oncol** 1984 May;20(5):609–17

Possible factors in the potentiation of 1–(2–chloroethyl)–3–trans–4–methylcyclohexyl–1–nitrosou cytotoxicity by alpha–difluoromethylornithine in 9L rat brain tumor cells. Oredsson SM, et al. **Eur J Cancer Clin Oncol** 1984 Apr;20(4):535–42

Treatment of multiple myeloma with M–2 protocol and without maintenance therapy. Paccagnella A, et al. **Eur J Cancer Clin Oncol** 1983 Oct;19(10):1345–51

Massive BACT chemotherapy with autologous bone marrow transplantation in 17 cases of non–Hodgkin's malignant lymphoma with a very bad prognosis. Philip T, et al. **Eur J Cancer Clin Oncol** 1983 Oct;19(10):1371–9

Cyclophosphamide and VP 16–213 with autologous bone marrow transplantation. A dose escalation study. Postmus PE, et al. **Eur J Cancer Clin Oncol** 1984 Jun;20(6):777–82

Clinical staging and therapeutic results in multiple myeloma. Santoro A, et al. **Eur J Cancer Clin Oncol** 1983 Oct; 19(10):1353–9

Immunohistochemical localisation of keratin in small cell carcinoma of the lung: correlation with response to combination chemotherapy. Sappino AP, et al. **Eur J Cancer Clin Oncol** 1983 Oct;19(10):1365–70

Results of endocrine therapy do not predict response to chemotherapy in advanced breast cancer. Steiner R, et al. **Eur J Cancer Clin Oncol** 1983 Nov;19(11):1559–63

Adriamycin alone or combined with vincristine in the treatment of advanced breast cancer. Steiner R, et al. **Eur J Cancer Clin Oncol** 1983 Nov;19(11):1553–7

Combination chemotherapy with cisplatin and VM–26 in advanced transitional cell carcinoma of the bladder. Stoter G, et al. **Eur J Cancer Clin Oncol** 1984 Mar;20(3):315–7

Non–seminomatous germ cell tumors of the testis. Analysis of CEA production in primary tumors and in retroperitoneal lymph node metastases after PVB chemotherapy. Suurmeijer AJ, et al. **Eur J Cancer Clin Oncol** 1984 May;20(5):601–8

Non–seminomatous germ cell tumors of the testis: morphology of retroperitoneal lymph node metastases after chemotherapy. Suurmeijer AJ, et al. **Eur J Cancer Clin Oncol** 1984 Jun;20(6):727–34

Combination chemotherapy and immune capacity in advanced ovarian carcinoma. ten Berge RJ, et al. **Eur J Cancer Clin Oncol** 1984 Jan;20(1):91–8

Multiple myeloma with high tumour mass. Treatment with high–dose methylprednisolone, cyclophosphamide and vindesine. van Dobbenburgh OA, et al. **Eur J Cancer Clin Oncol** 1984 Mar;20(3):437–9

Repeated high–dose cyclophosphamide, BCNU and VP–16–213 and autologous bone marrow transplantation in adult acute lymphocytic leukemia in first remission. Vellekoop L, et al. **Eur J Cancer Clin Oncol** 1984 May; 20(5):593–9

Phase II randomized trial of radiotherapy alone vs the sequential use of chemotherapy and radiotherapy in stage III non–small cell lung cancer. Phase II trial of chemotherapy alone in stage IV non–small cell lung cancer. Wils JA, et al. **Eur J Cancer Clin Oncol** 1984 Jul;20(7):911–4

High–dose cis–platinum in combination with adriamycin in the treatment of ovarian carcinoma. Choo YC, et al. **Eur J Gynaecol Oncol** 1984;5(3):203–6

A prospective, randomized, national trial for treatment of ovarian cancer: the role of chemotherapy and external irradiation. Grönroos M, et al. **Eur J Obstet Gynecol Reprod Biol** 1984 Apr;17(1):33–42

Pulmonary blastoma: remission with chemotherapy. Nissen MH, et al. **Eur J Respir Dis** 1984 Jul;65(5):377–9

Adjuvant chemotherapy in resected stage–II nonseminomatous germ cell tumors of testis. In which cases is it necessary? Pizzocaro G, et al. **Eur Urol** 1984; 10(3):151–8

Seven day cytosine arabinoside administered subcutaneously plus daunorubicin for remission induction in AML. Holowiecki J, et al. **Folia Haematol (Leipz)** 1983; 110(6):792–7

15 years' experience with hyperthermic perfusion for treatment of soft tissue sarcoma and malignant melanoma of the extremities. Stehlin JS Jr, et al. **Front Radiat Ther Oncol** 1984;18:177–82

Pimaricin potentiation of bleomycin activity against murine tumors. Komiyama K, et al. **Gann** 1983 Aug;74(4):602–6

Combination chemotherapy with 5–fluorouracil (5FU) and 1,3–bis(2–chloro–ethyl)–1–nitrosourea (BCNU) prolongs survival of rats with dimethylhydrazine–induced colon cancer. Danzi M, et al. **Gut** 1983 Nov;24(11):1041–7

Prospective randomised trial of early cytotoxic therapy for recurrent colorectal carcinoma detected by serum CEA. Hine KR, et al. **Gut** 1984 Jun;25(6):682–8

Retroconversion of malignant immature teratomas of the ovary after chemotherapy. Aronowitz J, et al. **Gynecol Oncol** 1983 Dec;16(3):414–21

Cervix carcinoma: treatment with combination cisplatin and bleomycin. Daghestani AN, et al. **Gynecol Oncol** 1983 Dec; 16(3):334–9

Combination chemotherapy with cisplatin, vinblastine, and bleomycin for endodermal sinus tumor of the ovary. Davis TE, et al. **Gynecol Oncol** 1984 Sep;19(1):46–52

Cervical carcinoma: a drug–responsive tumor—experience with combined cisplatin, vinblastine, and bleomycin therapy. Friedlander M, et al. **Gynecol Oncol** 1983 Oct; 16(2):275–81

The integration of chemotherapy into the management of locally advanced cervical cancer: a pilot study. Friedlander ML, et al. **Gynecol Oncol** 1984 Sep;19(1):1–7

Bleomycin, vincristine, and methotrexate with citrovorum factor rescue in the treatment of advanced squamous cell carcinoma of the cervix. Hannigan EV, et al. **Gynecol Oncol** 1984 Sep;19(1):57–9

Phase II and pharmacokinetic study of high–dose methotrexate in the treatment of advanced gynecologic malignancy. A Southwest Oncology Group Trial. Hilgers RD, et al. **Gynecol Oncol** 1984 May;18(1):62–70

The effect of chemotherapy on lymphocyte subpopulations and cell–mediated cytotoxicity in patients with ovarian carcinoma. Kohorn EI, et al. **Gynecol Oncol** 1984 Sep; 19(1):60–6

Serial serum determination on alpha–fetoprotein as a marker of the effect of postoperative chemotherapy in ovarian endodermal sinus tumor. Maeyama M, et al. **Gynecol Oncol** 1984 Jan;17(1):104–16

A comparison of postoperative radiotherapy with postoperative chemotherapy in stage II–IV ovarian cancer patients. Menczer J, et al. **Gynecol Oncol** 1984 Feb; 17(2):207–12

Tumor cell kinetics–directed chemotherapy for advanced squamous carcinoma of the cervix. O'Quinn AG, et al. **Gynecol Oncol** 1984 Jun;18(2):135–44

Failure of hexamethylmelamine as salvage therapy in ovarian epithelial adenocarcinoma resistant to combination chemotherapy. Stehman FB, et al. **Gynecol Oncol** 1984 Feb; 17(2):189–95

Chemosensitivity testing of nonsolid tumors by the subrenal–capsule implant assay. Stratton JA, et al. **Gynecol Oncol** 1984 Feb;17(2):185–8

Effective high–dose chemotherapy with autologous bone marrow infusion in resistant ovarian cancer. Vriesendorp R, et al. **Gynecol Oncol** 1984 Mar;17(3):271–6

Prostacyclin and thromboxane in ovarian cancer: effect of cytostatics and prostaglandin synthesis inhibitors. Ylikorkala O, et al. **Gynecol Oncol** 1983 Dec;16(3):340–5

Adenocarcinoma of the fallopian tube: report of a case with an unusual pattern of metastasis and response to combination chemotherapy. Young JA, et al. **Gynecol Oncol** 1984 Feb;17(2):238–40

Acute myeloid leukemia in elderly patients [letter] Giustolisi R, et al. **Haematologica (Pavia)** 1984 Mar–Apr;69(2):240–2

Non Hodgkin's lymphomas: prognostic feature of 55 patients treated with MEVAP chemotherapy. Mazza P, et al. **Haematologica (Pavia)** 1984 Mar–Apr;69(2):178–87

Intraarterial chemotherapy for head and neck cancer, Part 2: Clinical experience. Baker SR, et al. **Head Neck Surg** 1984 Jan–Feb;6(3):751–60 (73 ref.)

A phase II study of cis–diamminedichloroplatinum and 5–fluorouracil in advanced upper aerodigestive neoplasms. Creagan ET, et al. **Head Neck Surg** 1984 Jul–Aug; 6(6):1020–3

Cyclophosphamide, adriamycin, and 24–hour infusion of cis–diamminedichloroplatinum (II) in the management of patients with advanced head and neck neoplasms. Creagan ET, et al. **Head Neck Surg** 1984 Jan–Feb;6(3):738–43

Phenotyping of canine lymphoma with monoclonal antibodies directed at cell surface antigens: classification, morphology, clinical presentation and response to chemotherapy. Appelbaum FR, et al. **Hematol Oncol** 1984 Apr–Jun;2(2):151–68

Drug selection in the treatment of Hodgkin's disease. Bonadonna G, et al. **Hematol Oncol** 1983 Jan–Mar; 1(1):3–12 (53 ref.)

Mediastinal Hodgkin's disease. Significance of mediastinal involvement in early stage Hodgkin's disease. Mauch P, et al. **Hematol Oncol** 1984 Jan–Mar;2(1):69–72

The role of MOPP chemotherapy in early stage Hodgkin's disease. Mauch P, et al. **Hematol Oncol** 1984 Jan–Mar; 2(1):66–9

A report on a prospective trial of no initial therapy in patients with initial therapy in patients with asymptomatic favourable prognosis non–Hodgkin's lymphoma. Mead GM, et al. **Hematol Oncol** 1984 Apr–Jun;2(2):179–88

The role of chemotherapy in the management of early stage Hodgkin's disease. Rosenberg SA. **Hematol Oncol** 1984 Jan–Mar;2(1):61–3

Intensive multi–drug post–operative chemotherapy for high risk stage II breast cancer. Shetty PA, et al. **Indian J Cancer** 1983 Sep–Oct;20(4):211–4

Chemotherapy and corynebacterium parvum for induction and maintenance of remission in acute myelogenous leukaemia—a controlled study. Shetty PA, et al. **Indian J Cancer** 1983 May–Jun;20(2):119–23

Effects on metastases of drug therapy during developing and established tumor immunity. Vaage J, et al. **Int J Cancer** 1983 Dec 15;32(6):759–63

The treatment of primary operable transitional cell cancer of the bladder without cystectomy. Preliminary report. Cole DR, et al. **Int J Clin Pharmacol Ther Toxicol** 1983 Nov;21(11):541–3

Local control of osteogenic sarcoma by radiation and chemotherapy. Caceres E, et al. **Int J Radiat Oncol Biol Phys** 1984 Jan;10(1):35–9

The effect of adjuvant chemotherapy on cosmesis and complications in patients with breast cancer treated by definitive irradiation. Danoff BF, et al. **Int J Radiat Oncol Biol Phys** 1983 Nov;9(11):1625–30

Adjuvant chemotherapy in breast cancer patients treated by primary radiation therapy [editorial] Harris JR, et al. **Int J Radiat Oncol Biol Phys** 1983 Nov;9(11):1757–8

Adjuvant chemotherapy in breast cancer [letter] Langlands AO, et al. **Int J Radiat Oncol Biol Phys** 1984 Jun; 10(6):943–4

Role of chemotherapy in the treatment of lung cancer: evolving strategies for non–small cell histologies. Muggia FM, et al. **Int J Radiat Oncol Biol Phys** 1984 Jan; 10(1):137–45 (73 ref.)

Radiation and concurrent chemotherapy for the treatment of Lewis lung tumor and B16 melanoma tumor in C57/BL mice. Pedersen JE, et al. **Int J Radiat Oncol Biol Phys** 1984 Aug;10(8):1479–82

Impact of adjuvant chemotherapy on cosmesis and complications in stages I and II carcinoma of the breast treated by biopsy and radiation therapy. Ray GR, et al. **Int J Radiat Oncol Biol Phys** 1984 Jun;10(6):837–41

Effect of fibrinolysis inhibitor and chemotherapeutics on the growth of human cancers transplanted into nude mice and in tissue culture. Iwakawa A, et al. **Invasion Metastasis** 1982;2(4):232–48

Multivariate analysis of risk factors in patients with metastatic testicular germ cell tumors treated with vinblastine and bleomycin. von Eyben FE, et al. **Invasion Metastasis** 1982; 2(2):125–35

High dose chemotherapy with autologous marrow rescue in the treatment of resistant solid tumors. LeMaistre CF, et al. **Invest New Drugs** 1983;1(4):321–9 (71 ref.)

Hypothalamic–pituitary–adrenal function in patients receiving intermittent high dose prednisone therapy for lymphoma. Warde P, et al. **Ir Med J** 1984 Feb;77(2):33–5

Chemotherapy of a recurrent acanthomatous epulis in a dog. Gorman NT, et al. **J Am Vet Med Assoc** 1984 May 1; 184(9):1158–60

Histologic classification as an indication of therapeutic response in malignant lymphoma of dogs. Gray KN, et al. **J Am Vet Med Assoc** 1984 Apr 1;184(7):814–7

Synergistic effect of peplomycin in combination with bleomycin on L5178y mouse lymphoma cells in vivo. Müller WE, et al. **J Antibiot (Tokyo)** 1984 Mar;37(3):239–43

Acute myeloid leukemia in adults: experience at AIIMS. Raina V, et al. **J Assoc Physicians India** 1983 Aug; 31(8):511–4

Pathologic data of prognostic significance for remission induction in advanced ovarian carcinoma. Davis BW, et al. **J Cancer Res Clin Oncol** 1984;107(2):106–10

Estrogen receptor status and adjuvant polychemotherapy or antiestrogen therapy in patients with high–risk breast cancer. Jonat W, et al. **J Cancer Res Clin Oncol** 1984; 107(3):233–7

Regression of pulmonary metastases from cloacogenic carcinoma after cis–platinum/5–fluorouracil treatment. Carey RW. **J Clin Gastroenterol** 1984 Jun;6(3):257–9

Vinblastine, bleomycin, and cis–platinum for the treatment of metastatic malignant melanoma. National Cancer Institute of Canada Melanoma Group. **J Clin Oncol** 1984 Feb;2(2):131–4

Alternating combination chemotherapy improves survival in multiple myeloma: a Southwest Oncology Group study [letter] **J Clin Oncol** 1984 Mar;2(3):243–8

Phase II study of methyl–CCNU, vincristine, 5–fluorouracil, and streptozotocin in advanced colorectal cancer. By the Gastrointestinal Tumor Study Group. **J Clin Oncol** 1984 Jul;2(7):770–3

Sequential combination of systemic high–dose ara–C and asparaginase for the treatment of central nervous system leukemia and lymphoma. Amadori S, et al. **J Clin Oncol** 1984 Feb;2(2):98–101

Cisplatin–vincristine–bleomycin therapy in squamous cell carcinoma of the head and neck. Amrein PC, et al. **J Clin Oncol** 1983 Jul;1(7):421–7

Peritoneal mesothelioma: natural history and response to chemotherapy. Antman KH, et al. **J Clin Oncol** 1983 Jun; 1(6):386–91

Long–term remission durability and functional status of patients treated for diffuse histiocytic lymphoma with the CHOP regimen. Armitage JO, et al. **J Clin Oncol** 1984 Aug;2(8):898–902

Treatment of advanced neuroblastoma with supralethal chemotherapy, radiation, and allogeneic or autologous marrow reconstitution. August CS, et al. **J Clin Oncol** 1984 Jun;2(6):609–16

Progress in the treatment of plasma cell myeloma? [editorial] Bergsagel D. **J Clin Oncol** 1983 Aug;1(8):510–1

Reduction in central nervous system leukemia with a

pharmacokinetically derived intrathecal methotrexate dosage regimen. Bleyer WA, et al. J Clin Oncol 1983 May; 1(5):317–25

A technique to quantify cytoreduction in the bone marrow induced by cytotoxic chemotherapy. Blumenreich MS, et al. J Clin Oncol 1983 Sep;1(9):552–8

Prospective randomized trial of one–hour sequential versus simultaneous methotrexate plus 5–fluorouracil in advanced and recurrent squamous cell head and neck cancer. Browman GP, et al. J Clin Oncol 1983 Dec;1(12):787–92

A dose and time response analysis of the treatment of Hodgkin's disease with MOPP chemotherapy. Carde P, et al. J Clin Oncol 1983 Feb;1(2):146–53

Combination cisplatin, vinblastine, and bleomycin chemotherapy (PVB) for malignant germ–cell tumors of the ovary. Carlson RW, et al. J Clin Oncol 1983 Oct; 1(10):645–51

Combination therapy with methotrexate and 5–fluorouracil: a prospective randomized clinical trial of order of administration. Coates AS, et al. J Clin Oncol 1984 Jul; 2(7):756–61

The effects of prior radiation therapy and age on the frequency and duration of complete remission among various four–drug treatments for advanced Hodgkin's disease. Cooper MR, et al. J Clin Oncol 1984 Jul; 2(7):748–55

A randomized study comparing chemotherapy alone with chemotherapy followed by radiotherapy in patients with pathologically staged IIIA Hodgkin's disease. Crowther D, et al. J Clin Oncol 1984 Aug;2(8):892–7

Contributions of host– and disease–related attributes to the outcome of patients with acute myelogenous leukemia. Curtin JE, et al. J Clin Oncol 1984 Apr;2(4):253–9

Study on the comparability of 6 versus 12 cycles of adjuvant cyclophosphamide, methotrexate, and fluorouracil [letter] Diehl LF, et al. J Clin Oncol 1983 Oct;1(10):663–4

Evaluation of prognostic factors in chemotherapy of recurrent brain tumors. Eagan RT, et al. J Clin Oncol 1983 Jan;1(1):38–44

Combined modality induction therapy without maintenance chemotherapy for small cell carcinoma of the lung. Feld R, et al. J Clin Oncol 1984 Apr;2(4):294–304

Influence of tumor estrogen and progesterone receptor levels on the response to tamoxifen and chemotherapy in primary breast cancer. Fisher B, et al. J Clin Oncol 1983 Apr; 1(4):227–41

Randomized study of cyclophosphamide, doxorubicin, and etoposide (VP16–213) with or without cisplatinum in non–small cell lung cancer. Fuks JZ, et al. J Clin Oncol 1983 May;1(5):295–301

Treatment of advanced breast cancer with mitomycin C combined with vinblastine or vindesine. Garewal HS, et al. J Clin Oncol 1983 Dec;1(12):772–5

Treatment of small cell lung cancer with VP–16, vincristine, doxorubicin (Adriamycin), cyclophosphamide (EVAC), and high–dose chest radiotherapy. Goodman GE, et al. J Clin Oncol 1983 Aug;1(8):483–8

The use of different induction and maintenance chemotherapy regimens for the treatment of advanced yolk sac tumors. Green DM, et al. J Clin Oncol 1983 Feb; 1(2):111–6

Four–drug combination chemotherapy (methotrexate, cyclophosphamide, hexamethylmelamine, and CCNU) for non–small cell bronchogenic carcinoma: a Cancer and Leukemia Group B study. Green M, et al. J Clin Oncol 1983 Sep;1(9):559–65

The response of Ewing's sarcoma to sequential cyclophosphamide and adriamycin induction therapy. Hayes FA, et al. J Clin Oncol 1983 Jan;1(1):45–51

Sequential methotrexate and 5–fluorouracil: improved response rate in metastatic colorectal cancer. Herrmann R, et al. J Clin Oncol 1984 Jun;2(6):591–4

High–dose cytosine arabinoside and m–AMSA is effective therapy in relapsed acute nonlymphocytic leukemia. Hines JD, et al. J Clin Oncol 1984 Jun;2(6):545–9

Effects of early leucovorin rescue [letter] Holcenberg JS. J Clin Oncol 1984 Sep;2(9):1072

Karnofsky Memorial Lecture. Breaking the cure barrier. Holland JF. J Clin Oncol 1983 Feb;1(2):75–90

Multivariate analysis of prognostic factors in metastatic breast cancer. Hortobagyi GN, et al. J Clin Oncol 1983 Dec; 1(12):776–86

Osteogenic sarcoma: alterations in the pattern of pulmonary metastases with adjuvant chemotherapy. Jaffe N, et al. J Clin Oncol 1983 Apr;1(4):251–4

The treatment of localized non–Hodgkin's lymphoma in children: a report from the Children's Cancer Study Group. Jenkin RD, et al. J Clin Oncol 1984 Feb;2(2):88–97

Full dose versus attenuated dose daunorubicin, cytosine arabinoside, and 6–thioguanine in the treatment of acute nonlymphocytic leukemia in the elderly. Kahn SB, et al. J Clin Oncol 1984 Aug;2(8):865–70

Activity of sequential low–dose methotrexate and fluorouracil in advanced colorectal carcinoma: attempt at correlation with tissue and blood levels of phosphoribosylpyrophosphate. Kemeny NE, et al. J Clin Oncol 1984 Apr;2(4):311–5

Extraskeletal Ewing's sarcoma: results of combined modality treatment. Kinsella TJ, et al. J Clin Oncol 1983 Aug; 1(8):489–95

Age and therapy in women with breast cancer [letter] Koh HK. J Clin Oncol 1983 Nov;1(11):741–2

Combined therapy for stage III–IV head and neck cancer: preliminary results. Krasnow SH, et al. J Clin Oncol 1984 Jul;2(7):804–10

Chemotherapy of refractory germ cell cancer with Etoposide. Lederman GS, et al. J Clin Oncol 1983 Nov; 1(11):706–9

Preoperative chemotherapy and radiation therapy for patients with cancer of the esophagus: a potentially curative approach. Leichman L, et al. J Clin Oncol 1984 Feb; 2(2):75–9

A randomized attempt to increase the efficacy of cytotoxic chemotherapy in metastatic breast cancer by hormonal synchronization. Lippman ME, et al. J Clin Oncol 1984 Jan;2(1):28–36

The impact of primary irradiation treatment of localized breast cancer on the ability to administer systemic adjuvant chemotherapy. Lippman ME, et al. J Clin Oncol 1984 Jan; 2(1):21–7

The treatment of stage IIIA Hodgkin's disease. Lister TA, et al. J Clin Oncol 1983 Dec;1(12):745–9

Combined modality treatment of extensive small cell lung cancer: a Southwest Oncology Group study. Livingston RB, et al. J Clin Oncol 1984 Jun;2(6):585–90

Doxorubicin, mitomycin–C, and 5–fluorouracil (DMF) in the treatment of metastatic hormonal refractory adenocarcinoma of the prostate, with a note on the staging of metastatic prostate cancer. Logothetis CJ, et al. J Clin Oncol 1983 Jun;1(6):368–79

Aggressive combined modality therapy for advanced local–regional breast carcinoma. Loprinzi CL, et al. J Clin Oncol 1984 Mar;2(3):157–63

Randomized phase III trial of vinblastine, bleomycin, and cis–dichlorodiammine–platinum versus dacarbazine in malignant melanoma. Luikart SD, et al. J Clin Oncol 1984 Mar;2(3):164–8

Treatment of the carcinoid tumor and the malignant carcinoid syndrome. Moertel CG. J Clin Oncol 1983 Nov; 1(11):727–40 (46 ref.)

End results of treating children with localized non–Hodgkin's lymphomas with a combined modality approach of lessened intensity. Murphy SB, et al. J Clin Oncol 1983 May; 1(5):326–30

Drug combinations in the treatment of gastric adenocarcinoma: a randomized Southwest Oncology Group study. Panettiere FJ, et al. J Clin Oncol 1984 May; 2(5):420–4

A randomized trial of melphalan and prednisone versus melphalan, prednisone, cyclophosphamide, MeCCNU, and vincristine in untreated multiple myeloma. Pavlovsky S, et al. J Clin Oncol 1984 Jul;2(7):836–40

Sequential changes in platelet function and coagulation in leukemic children treated with L–asparaginase, prednisone, and vincristine. Pui CH, et al. J Clin Oncol 1983 Jun; 1(6):380–5

Randomized phase III comparison of three doxorubicin–based chemotherapy regimens in advanced non–small cell lung cancer: a Southeastern Cancer Study Group trial. Robert F, et al. J Clin Oncol 1984 May; 2(5):391–5

Alternating combination chemotherapy and levamisole improves survival in multiple myeloma: a Southwest Oncology Group Study. Salmon SE, et al. J Clin Oncol 1983 Aug;1(8):453–61

Central nervous system involvement in American Burkitt's lymphoma. Sariban E, et al. J Clin Oncol 1983 Nov; 1(11):677–81

Treatment of acute lymphoblastic leukemia in adults: results of the L–10 and L–10M protocols. Schauer P, et al. J Clin Oncol 1983 Aug;1(8):462–70

Advanced neuroblastoma: improved response rate using a multiagent regimen (OPEC) including sequential cisplatin and VM–26. Shafford EA, et al. J Clin Oncol 1984 Jul; 2(7):742–7

Improved prognosis of diffuse histiocytic and undifferentiated lymphoma by use of high dose methotrexate alternating with standard agents (M–BACOD). Skarin AT, et al. J Clin Oncol 1983 Feb;1(2):91–8

Inefficacy of dacarbazine, mitomycin C, and hepatic irradiation in patients with metastatic adenocarcinoma of the gastrointestinal tract. Smith BJ, et al. J Clin Oncol 1984 Jun;2(6):578–80

Combination chemotherapy for locally advanced pancreatic cancer: equivalence to external beam irradiation and implication for future management. Smith FP, et al. J Clin Oncol 1983 Jul;1(7):413–5

Adjuvant CMF in breast cancer: comparative 5–year results of 12 versus 6 cycles. Tancini G, et al. J Clin Oncol 1983 Jan;1(1):2–10

Long–term follow–up with ABDIC salvage chemotherapy of MOPP–resistant Hodgkin's disease. Tannir N, et al. J Clin Oncol 1983 Jul;1(7):432–9

A follow–up of a randomized study comparing two chemotherapy treatments for advanced diffuse histiocytic lymphoma. Todd M, et al. J Clin Oncol 1984 Sep; 2(9):986–93

A randomized trial of five and three drug chemotherapy and chemoimmunotherapy in women with operable node positive breast cancer. Tormey DC, et al. J Clin Oncol 1983 Feb;1(2):138–45

Increased therapeutic index of weekly doxorubicin in the therapy of non–small cell lung cancer: a prospective, randomized study. Valdivieso M, et al. J Clin Oncol 1984 Mar;2(3):207–14

Effective chemotherapy of acute myelocytic leukemia occurring after alkylating agent or radiation therapy for prior malignancy. Vaughan WP, et al. J Clin Oncol 1983 Mar;1(3):204–7

Randomized trial of cyclophosphamide, doxorubicin, and 5–fluorouracil alone or alternating with a 'cycle active' non–cross–resistant combination in women with visceral metastatic breast cancer: a Southeastern Cancer Study Group project. Vogel CL, et al. J Clin Oncol 1984 Jun; 2(6):643–51

Stage II nonseminomatous testicular cancer: a 10–year experience. Vogelzang NJ, et al. J Clin Oncol 1983 Mar; 1(3):171–8

Long–term results of the APO protocol (vincristine, doxorubicin [adriamycin], and prednisone) for treatment of mediastinal lymphoblastic lymphoma. Weinstein HJ, et al. J Clin Oncol 1983 Sep;1(9):537–41

Methyl–CCNU, 5–fluorouracil, vincristine, and streptozocin (MOF–STREP) in metastatic colo–rectal carcinoma. Weltz MD, et al. J Clin Oncol 1983 Feb;1(2):135–7

A phase I–II trial of cisplatin and dichloromethotrexate in squamous cell cancer of the head and neck. Wheeler RH, et al. J Clin Oncol 1984 Jul;2(7):831–5

The current status of therapy for and prevention of blast crisis of chronic myelocytic leukemia. Wiernik PH. J Clin Oncol 1984 Apr;2(4):329–35 (52 ref.)

Neoadjuvant chemotherapy for osteogenic sarcoma: results of a Cooperative German/Austrian study. Winkler K, et al. J Clin Oncol 1984 Jun;2(6):617–24

Combination chemotherapy with cis–diamminedichloroplatinum and vinblastine in advanced non–small cell lung cancer. Woodcock TM, et al. J Clin Oncol 1983 Apr;1(4):247–50

Treatment of advanced squamous cell carcinomas of the head and neck with initial combination chemotherapy prior to surgery and/or radiotherapy: five–year survival data. Shaw HJ, et al. J Laryngol Otol 1984 Jan;98(1):75–82

Rhabdomyosarcoma of the maxillary sinus. A case report. Suzuki M, et al. J Laryngol Otol 1984 Apr;98(4):405–15

Treatment of recurrent brain tumors with intra–arterial cis–platinum and BCNU. Kapp JP, et al. J Miss State Med Assoc 1984 Jan;25(1):1–6

Therapeutic benefits of combination chemotherapy with vincristine, BCNU, and procarbazine on recurrent cystic craniopharyngioma. A case report. Bremer AM, et al. J Neurooncol 1984;2(1):47–51

Management of brain metastases from breast cancer by combination chemotherapy. Rosner D, et al. J Neurooncol 1983;1(2):131–7

Cisplatin plus cytosine arabinoside in adults with malignant gliomas. Stewart DJ, et al. J Neurooncol 1984;2(1):29–34

Chemotherapy for head and neck cancer. Tannock IF. J Otolaryngol 1984 Apr;13(2):99–104

Chemotherapy as an alternative to laminectomy and radiation in the management of epidural tumor. Hayes FA, et al. J Pediatr 1984 Feb;104(2):221–4

Intrapleural endodermal sinus tumor arising from the diaphragm. Kekomäki M, et al. J Pediatr Surg 1984 Jun; 19(3):312–4

Post–operative therapy of breast cancer: rationale for adjuvant chemotherapy. Butler WM. J SC Med Assoc 1984 Jan;80(1):15–6

Combination chemotherapy for metastatic breast cancer with fluorouracil, adriamycin, cyclophosphamide, and methotrexate. Aboud A, et al. J Surg Oncol 1984 Jul; 26(3):205–7

A trial of adjuvant combination chemoimmunotherapy for stage III carcinoma of stomach. Akiyoshi T, et al. J Surg Oncol 1984 Jun;26(2):86–90

Combination chemotherapy for metastatic carcinoma of the ampulla of Vater—report of three cases. Bukowski RM, et al. J Surg Oncol 1984 Apr;25(4):284–6

Prolonged remission of metastatic malignant fibrous histiocytoma induced by combination chemotherapy. Clamon GH, et al. J Surg Oncol 1984 Jun;26(2):113–4

An analysis of chemotherapy for colorectal carcinoma. Petrelli NJ, et al. J Surg Oncol 1984 Mar;25(3):201–6 (46 ref.)

Cis–diamminedichloroplatinum (II): second line induction chemotherapy in advanced ovarian adenocarcinoma. Piver MS, et al. J Surg Oncol 1983 Dec;24(4):329–31

Scheduling of combination chemotherapy for a murine melanoma, with the subrenal capsular assay. Raina S, et al. J Surg Oncol 1984 May;26(1):51–2

Transitional cell carcinoma of the prostate: response to treatment with cisplatinum and cyclophosphamide. Alexander SJ, et al. J Urol 1984 May;131(5):975–7

Active sperm production after cancer chemotherapy with doxorubicin. Da Cunha MF, et al. J Urol 1983 Nov; 130(5):927–30

Bronchial rupture as a complication of response to combination chemotherapy in metastatic testicular carcinoma. Doty JD, et al. J Urol 1984 Jul;132(1):135–6

Case report: complete response of metastatic transitional cell carcinoma of the bladder with chemotherapy alone. Dougherty WE, et al. J Urol 1984 Feb;131(2):340–2

Recurrent testis cancer: seeding from retroperitoneal nodes after complete remissions by chemotherapy. Kamer M, et al. J Urol 1983 Dec;130(6):1196–8

The treatment of poor risk nonseminomatous testicular tumors. Pontes JE, et al. J Urol 1984 Mar;131(3):494–6

Verapamil enhancement of chemotherapeutic efficacy in human bladder cancer cells. Simpson WG, et al. **J Urol** 1984 Sep;132(3):574–6

Misonidazole as a chemosensitizer in the treatment of the Dunning prostate cancer model. White RD, et al. **J Urol** 1984 Feb;131(2):374–7

New treatment regimens help children with malignant lymphoma [news] Henahan JF. **JAMA** 1984 Oct 5; 252(13):1657–9, 1663

Therapeutic management of small cell lung cancer. Fewer toxic reactions with lower chemotherapeutic drug dosages. Kessinger A, et al. **JAMA** 1983 Dec 16;250(23):3188–91

Dexamethasone, prostaglandin A, and retinoic acid modulation of murine and human melanoma cells grown in soft agar. Bregman MD, et al. **JNCI** 1983 Nov; 71(5):927–32

Recurrent cervical cancer in the pelvis—intra-arterial infusion of oncostatics. Kawagoe K, et al. **Jpn J Clin Oncol** 1983 Dec;13(4):673–81

Ftorafur, adriamycin and mitomycin C (FAM II) for extensive bronchogenic adenocarcinoma and large cell carcinoma. Salvati F, et al. **Jpn J Clin Oncol** 1984 Mar; 14(1):3–6

Long-term survivors of malignant lymphoma patients treated with combination chemotherapy: a retrospective analysis. Kimura I. **Jpn J Med** 1984 Feb;23(1):90–1

Treatment of malignant lymphoma with special reference to chemotherapy and immunotherapy. Shirakawa S, et al. **Jpn J Med** 1984 Feb;23(1):86–8

Combination chemoimmunotherapy for advanced gastric carcinoma. Akiyoshi T, et al. **Jpn J Surg** 1984 May; 14(3):185–90

Combination of hepatic arterial infusion and systemic chemotherapy for gastric cancer with synchronous hepatic metastases. Kano T, et al. **Jpn J Surg** 1984 Jan;14(1):23–9

Combination chemotherapy (VAC/FMC) with immunostimulation in metastatic breast cancer: a randomized study comparing different times and routes of administration of Corynebacterium parvum. Fritze D, et al. **Klin Wochenschr** 1984 Feb 15;62(4):162–7

Adjuvant chemotherapy of breast cancer: hope—reality—hazard? Vorherr H. **Klin Wochenschr** 1984 Feb 15;62(4):149–61

Randomised trial of chemo-endocrine therapy, endocrine therapy, and mastectomy alone in postmenopausal patients with operable breast cancer and axillary node metastasis. Ludwig Breast Cancer Study Group. **Lancet** 1984 Jun 9; 1(8389):1256–60

Curative consolidation chemotherapy [editorial] **Lancet** 1984 Jun 23;1(8391):1389–90

Prolonged survival in acute myelogenous leukaemia without maintenance chemotherapy. Champlin R, et al. **Lancet** 1984 Apr 21;1(8382):894–6

Controlled trial of adjuvant chemotherapy with cyclophosphamide, methotrexate, and fluorouracil for breast cancer. Howell A, et al. **Lancet** 1984 Aug 11; 2(8398):307–11

Maintenance and consolidation therapy in AML [letter] Marcus RE, et al. **Lancet** 1984 Mar 24;1(8378):686–7

Treatment of disseminated breast cancer with tamoxifen, aminoglutethimide, hydrocortisone, and danazol, used in combination or sequentially. Powles TJ, et al. **Lancet** 1984 Jun 23;1(8391):1369–73

Acute myelogenous leukaemia: maintenance chemotherapy after early consolidation treatment does not prolong survival. Sauter C, et al. **Lancet** 1984 Feb 18;1(8373):379–82

Laryngeal carcinoma in childhood. Report of a case and review of the literature. Laurian N, et al. **Laryngoscope** 1984 May;94(5 Pt 1):684–7

Ultrastructure of meiotic chromosomes in boys undergoing chemotherapy for leukemia. Berthelsen JG, et al. **Leuk Res** 1983;7(6):713–27

Impact of treatment efficacy on the prognostic value of glucocorticoid receptor levels in childhood acute lymphoblastic leukemia. Pui CH, et al. **Leuk Res** 1984; 8(3):345–50

Long-term observations of children with acute lymphoblastic leukemia, treated according to the modified programme of Pinkel. Cyklis R, et al. **Mater Med Pol** 1982 Jan-Dec; 14(1–2):40–3

Carcinosarcoma of the lung: Mayo Clinic experience and response to chemotherapy. Davis MP, et al. **Mayo Clin Proc** 1984 Sep;59(9):598–603

Integration of hormonal agents and chemotherapy for the treatment of women with advanced breast cancer. Ingle JN. **Mayo Clin Proc** 1984 Apr;59(4):232–8

Reinduction chemotherapy for acute nonlymphocytic leukemia. Letendre L, et al. **Mayo Clin Proc** 1984 Sep; 59(9):618–21

Surgical resection for non-small cell carcinoma following chemotherapy induced complete regression of small-cell carcinoma. McWilliams H, et al. **Md State Med J** 1984 Feb;33(2):123–4

A practical prescription for cancer prevention—synergistic use of chemopreventive agents. McCarty MF. **Med Hypotheses** 1984 Jul;14(3):213–25

The use of levamisole as an adjunct to chemotherapy and radiotherapy in the treatment of small cell carcinoma of the lung. Ainslie J, et al. **Med J Aust** 1983 Sep 17;2(6):285–7

Treatment of advanced squamous-cell carcinoma of the head and neck with a combination of cisplatin, vinblastine, and bleomycin. Woods RL, et al. **Med J Aust** 1984 Sep 1; 141(5):284–6

Autologous bone marrow transplantation in the treatment of children and adolescents with advanced malignant tumors. Baumgartner C, et al. **Med Pediatr Oncol** 1984; 12(2):104–11

Effective chemotherapy for metastatic malignant sacrococcygeal tumour. Beddis IR, et al. **Med Pediatr Oncol** 1984;12(4):231–2

Treatment of advanced ovarian carcinoma with hexamethylmelamine, doxorubicin, and cis-platinum (HAC): results in both untreated and previously treated patients. Brower MS, et al. **Med Pediatr Oncol** 1984; 12(1):17–24

Combination chemotherapy with vincristine (NSC-67574), procarbazine (NSC-77213), prednisone (NSC-10023) with or without nitrogen mustard (NSC-762)(MOPP vs OPP) in children with recurrent brain tumors. Cangir A, et al. **Med Pediatr Oncol** 1984;12(1):1–3

Failure of bleomycin to improve the therapeutic effects of a combination of cyclophosphamide, doxorubicin, and cisplatin (CAP) in advanced sarcomas. Edmonson JH, et al. **Med Pediatr Oncol** 1984;12(4):264–6

Cyclophosphamide, doxorubicin, and cisplatin combined in the treatment of advanced sarcomas. Edmonson JH, et al. **Med Pediatr Oncol** 1983;11(5):319–21

Results of treatment of 18 children with Hodgkin disease with MOPP chemotherapy as the only treatment modality. Ekert H, et al. **Med Pediatr Oncol** 1983;11(5):322–6

Can hypertransfusion attenuate myelosuppression associated with combination chemotherapy in patients with inoperable bronchogenic carcinoma? A report of a randomised, controlled study. Lam WK, et al. **Med Pediatr Oncol** 1983; 11(5):343–6

Treatment of childhood acute lymphoblastic leukemia in Malaysia, 1976–1982. Lin HP, et al. **Med Pediatr Oncol** 1983;11(5):327–32

Treatment of small cell carcinoma of the lung with COPP. Nixon DW. **Med Pediatr Oncol** 1984;12(2):127–30

Administration of a complex chemotherapy regimen: inpatient versus outpatient treatment. Pasmantier MW, et al. **Med Pediatr Oncol** 1983;11(5):333–5

Transitional cell carcinoma of the nasal passages: dramatic response to chemotherapy. Sooriyaarachchi GS, et al. **Med Pediatr Oncol** 1984;12(1):50–3

Adjuvant therapy for colon cancer [letter] **N Engl J Med** 1984 Aug 9;311(6):410–1

Effective treatment of advanced multiple myeloma refractory to alkylating agents. Barlogie B, et al. **N Engl J Med** 1984 May 24;310(21):1353–6

Treatment of multiple myeloma. A small step forward? [editorial] Kyle RA. **N Engl J Med** 1984 May 24; 310(21):1382–4

Small cell carcinoma of the lung. Results of combination chemotherapy and radiation therapy. Montana GS, et al. **NC Med J** 1983 Nov;44(11):711–3

Effect of combined chemotherapy tested in partially hepatectomized rats bearing Zajdela hepatoma. Balážová E, et al. **Neoplasma** 1983;30(6):643–9

Cyclophosphamide, doxorubicin, prednisone and vindesine combination chemotherapy in melphalan-resistant multiple myeloma. Van Dobbenburgh OA, et al. **Neth J Med** 1984; 27(2):25–30

Intensive chemotherapy with autologous bone marrow rescue for recurrent malignant gliomas. Nomura K, et al. **Neurosurg Rev** 1984;7(1):13–22

5-Fluorouracil and 1-(2-chloroethyl)-3-cyclohexyl-1-nitrosourea (CCNU) followed by hydroxyurea, misonidazole, and irradiation for brain stem gliomas: a pilot study of the Brain Tumor Research Center and the Childrens Cancer Group. Levin VA, et al. **Neurosurgery** 1984 Jun;14(6):679–81

Intraarterial 1,3-bis(2-chloroethyl)-1-nitrosourea (BCNU) and systemic chemotherapy for malignant gliomas: a follow-up study. West CR, et al. **Neurosurgery** 1983 Oct; 13(4):420–6

Trials of PIA (Cisplatin, Ifosfamide Adriamycin) therapy on bladder cancer. Minowa T, et al. **Nippon Ika Daigaku Zasshi** 1984 Feb;51(1):134–5

Multidrug treatment of advanced and recurrent endometrial carcinoma: a Gynecologic Oncology Group study. Cohen CJ, et al. **Obstet Gynecol** 1984 May;63(5):719–26

Treatment of advanced or recurrent endometrial adenocarcinoma with cyclophosphamide, doxorubicin, cis-Platinum, and megestrol acetate. Lovecchio JL, et al. **Obstet Gynecol** 1984 Apr;63(4):557–60

Bleomycin-adriamycin-cisplatin combination chemotherapy in the treatment of primary advanced and recurrent cervical carcinoma. Sorbe B, et al. **Obstet Gynecol** 1984 Feb;63(2):167–70

Poor-prognosis gestational trophoblastic disease: an update. Surwit EA, et al. **Obstet Gynecol** 1984 Jul;64(1):21–6

Combination chemotherapy of early and advanced murine P388 leukaemia with bouvardin, cis-diamminedichloroplatinum and vincristine. Adwankar MK, et al. **Oncology** 1984;41(5):370–3

Procarbazine, CCNU and vincristine (PCV) combination chemotherapy for brain tumors. Brufman G, et al. **Oncology** 1984;41(4):239–41

Liposarcoma: patterns of tumor differentiation following induction chemotherapy. Bui NB, et al. **Oncology** 1984; 41(3):170–3

Comparison of M-2 protocol with COP in patients with nodular lymphoma. Case DC Jr. **Oncology** 1984; 41(3):159–63

Combination chemotherapy with BCNU, vincristine, mitomycin-C and prednisone in refractory breast carcinoma. A pilot study. DiBella NJ, et al. **Oncology** 1984; 41(1):1–3

Evaluation of combination chemotherapy in Wistar/Furth rats bearing transplantable Wilms' tumor. Green DM, et al. **Oncology** 1984;41(1):39–42

Treatment of murine Wilms' tumor with chemotherapy after intramuscular tumor inoculation and amputation. Green DM, et al. **Oncology** 1984;41(3):185–8

Supraventricular tachycardia. A probable complication of platinum treatment. Hashimi LA, et al. **Oncology** 1984; 41(3):174–5

Sensitization of combined cis-platinum and cyclophosphamide by local hyperthermia in mice bearing the Lewis lung carcinoma. Hazan G, et al. **Oncology** 1984; 41(1):68–9

The role of chemotherapy for advanced carcinoma of the supraglottic and glottic larynx. Ervin TJ, et al. **Otolaryngol Clin North Am** 1984 Feb;17(1):209–14

Induction chemotherapy with vinblastine, bleomycin, and cis-diamminedichloroplatinum in squamous cell carcinoma of the head and neck. Davis RK, et al. **Otolaryngol Head Neck Surg** 1983 Dec;91(6):627–31

Glucocorticoid receptors and steroid sensitivity of human acute lymphoblastic leukemia. Iacobelli S, et al. **Prog Clin Biol Res** 1984;142:235–46

The role of induction and maintenance chemotherapy in disseminated testicular non-seminomatous cancer. van Groeningen CJ, et al. **Prog Clin Biol Res** 1984;153:225–32 (25 ref.)

Comparison of cisplatin + bleomycin + either vinblastine or VP-16 in disseminated testicular cancer: a preliminary report. Williams SD, et al. **Prog Clin Biol Res** 1984; 153:219–23

Infusion chemotherapy in inoperable pancreatic carcinoma. Bengmark S, et al. **Recent Results Cancer Res** 1983;86:13–4

New adjuvant trials for resectable breast cancer at the Istituto Nazionale Tumori of Milan. Bonadonna G, et al. **Recent Results Cancer Res** 1984;91:210–3

Relationship between estrogen receptors and CMF adjuvant chemotherapy. Bonadonna G, et al. **Recent Results Cancer Res** 1984;91:205–9

Acute myelogenous leukemia: current status of therapy in adults. Foon KA, et al. **Recent Results Cancer Res** 1984; 93:216–39 (176 ref.)

Palliative therapy of pelvic tumors by intra-arterial infusion of cytotoxic drugs. Heim ME, et al. **Recent Results Cancer Res** 1983;86:37–40

Intrahepatic chemotherapy in isolated liver metastases. Hinterberger R, et al. **Recent Results Cancer Res** 1983; 86:83–6

Current status of ALL/AUL therapy in adults. Hoelzer D. **Recent Results Cancer Res** 1984;93:182–203 (107 ref.)

Combined treatment of maxillofacial carcinoma by intra-arterial proliferation block and irradiation. Kreidler JF, et al. **Recent Results Cancer Res** 1983;86:152–61

Acute lymphoblastic leukemia: current status of therapy in children. Lampert F, et al. **Recent Results Cancer Res** 1984; 93:159–81 (79 ref.)

Intra-arterial infusion in tumors of the pelvis. Oberfield RA. **Recent Results Cancer Res** 1983;86:15–25

Prolonged and continuous percutaneous intra-arterial hepatic infusion chemotherapy in advanced metastatic liver adenocarcinoma from colorectal primary. Oberfield RA. **Recent Results Cancer Res** 1983;86:49–62

Acute myelogenous leukemia: current status of therapy in children. Ritter J, et al. **Recent Results Cancer Res** 1984; 93:204–15 (59 ref.)

Management of small cell cancer: intensive chemotherapy. Smyth JF, et al. **Recent Results Cancer Res** 1984;92:58–64 (22 ref.)

Management of CLL and allied disorders with reference to their immunology and proliferation kinetics. Theml H, et al. **Recent Results Cancer Res** 1984;93:240–58 (85 ref.)

The role of chemotherapy in the treatment of retinoblastoma. White L. **Retina** 1983;3(3):194–9 (53 ref.)

Successful treatment of poor prognostic patients with advanced prostatic carcinoma with the association of diethylstilbestrol and cyclophosphamide. Germá Lluch JR, et al. **Rev Esp Oncol** 1982;29(2):317–24

Treatment of progressive ovarian cancer with cis-platinum and doxorubicin. Bloch B. **S Afr Med J** 1984 Jul 7; 66(1):14–6

An experimentally based safe method of administering intensive cancer chemotherapy. Prospects for increased survival in patients with 'solid' tumours during the next decade. Price LA, et al. **S Afr Med J** 1983 Dec 10; 64(25):987–94 (36 ref.)

Treatment of unresectable pancreatic carcinoma with 5-fluorouracil, vincristine, and CCNU. Andrén-Sandberg A, et al. **Scand J Gastroenterol** 1983 Jul;18(5):609–12

Treatment of advanced bone marrow neoplasms with ifosfamide combinations. Norberg B, et al. **Scand J Haematol** 1984 Jan;32(1):95–100

Multi-modality treatment of advanced malignant germ cell tumours in males. I. Experience with cis-platinum-based combination chemotherapy. Klepp O, et al. **Scand J Urol Nephrol** 1984;18(1):13–9

Comparison of various hormonal therapies for prostatic

carcinoma. Geller J, et al. **Semin Oncol** 1983 Dec;10(4 Suppl 4):34–41

Combined preoperative chemotherapy and radiation therapy for cancer of the esophagus: the Wayne State University, Southwest Oncology group and radiation therapy Oncology group experience. Leichman L, et al. **Semin Oncol** 1984 Jun;11(2):178–85

Chemotherapy for advanced urothelial cancer. Yagoda A. **Semin Urol** 1983 Feb;1(1):60–74 (84 ref.)

Systemic combination chemotherapy as primary treatment of brain metastasis from lung cancer. Kantarjian H, et al. **South Med J** 1984 Apr;77(4):426–30

Use of tumor colony assay in clinical oncology. Niell HB, et al. **South Med J** 1983 Nov;76(11):1376–9

Combination chemotherapy in metastatic or recurrent non-small cell bronchogenic carcinoma. 5-year results. Ojala A, et al. **Strahlentherapie** 1983 Dec;159(12):775–7

Antiestrogen-cytotoxic chemotherapy and bacillus Calmette-Guerin vaccination in stage II breast cancer: seventy-two-month follow-up. Hubay CA, et al. **Surgery** 1984 Jul;96(1):61–72

Chemotherapy for metastatic disease. Carter SK. **Symp Fundam Cancer Res** 1983;36:397–410 (2 ref.)

Concepts for the treatment of tumor metastasis. Griswold DP Jr, et al. **Symp Fundam Cancer Res** 1983;36:389–96 (21 ref.)

FAM2 regimen in disseminated gastric cancer. Fornasiero A, et al. **Tumori** 1984 Feb 29;70(1):77–80

The value of two combined chemoradiotherapy approaches in the treatment of inoperable esophageal cancer. Kolarić K, et al. **Tumori** 1984 Feb 29;70(1):69–75

5-Fluorouracil, adriamycin and cyclophosphamide combined with high-dose medroxyprogesterone acetate in advanced breast cancer. Lopez M, et al. **Tumori** 1983 Dec 31; 69(6):545–51

Ineffectiveness of 5-fluorouracil and cis-platin as second-line chemotherapy in head and neck cancer. Merlano M, et al. **Tumori** 1984 Jun 30;70(3):267–9

Moderate chemo-radiotherapy in non-small cell lung cancer: results in 21 patients with advanced disease and low performance status. Tummarello D, et al. **Tumori** 1984 Feb 29;70(1):81–4

Non-platinum-containing combination chemotherapy for stage III–IV head and neck squamous carcinoma. Veronesi A, et al. **Tumori** 1983 Aug 31;69(4):323–6

VBM chemotherapy before curietherapy in the treatment of T2 oral carcinomas. Volterrani F, et al. **Tumori** 1983 Dec 31;69(6):559–62

New potential treatment modalities for disseminated prostatic cancer. Creaven PJ, et al. **Urol Clin North Am** 1984 May; 11(2):343–56 (91 ref.)

Chemotherapy of hormonally unresponsive prostatic carcinoma. deKernion JB, et al. **Urol Clin North Am** 1984 May;11(2):319–26 (37 ref.)

Therapeutic effect of a retinoid (Ro 10-9359) on rats with bladder tumours induced by N-butyl-N-(4-hydroxybutyl)-nitrosamine upon administration alone or in combination with mitomycin C. Fujita J, et al. **Urol Res** 1983;11(5):227–30

Chemotherapy of hormone-refractory carcinoma of prostate with 5-fluorouracil, adriamycin, and mitomycin C. Babaian RJ, et al. **Urology** 1984 Mar;23(3):272–5

Successful treatment of mediastinal seminoma with vinblastine, bleomycin, and cis-platinum. Clamon GH, et al. **Urology** 1983 Dec;22(6):640–2

Orchiectomy and chemotherapy with estramustine, cis-platinum, cyclophosphamide, and 5-fluorouracil in newly diagnosed prostate cancer with bone metastases. Eisenkraft S, et al. **Urology** 1984 Jun;23(6 Suppl):51–3

Systemic chemotherapy of murine bladder cancer. Soloway MS, et al. **Urology** 1984 Apr;23(4 Suppl):129–34

Progress in chemotherapy for cancers of the urothelium. Yagoda A. **Urology** 1984 Apr;23(4 Suppl):118–23 (61 ref.)

[Palliative radiation schedules with and without chemotherapy in advanced carcinoma of the esophagus] Alberts AS, et al. **S Afr Med J** 1984 Aug 25;66(8):289–91 (Eng. Abstr.) **(Afr)**

[Use of 1,2:5,6-dianhydrogalactitol in combination with maytansine in experimental tumor therapy] Fan YJ, et al. **Yao Hsueh Hsueh Pao** 1983 Sep;18(9):648–53 (Eng. Abstr.) **(Chi)**

[New antihormone treatment with an antiandrogen and an LHRH agonist in prostate cancer] Labrie F, et al. **Ann Endocrinol (Paris)** 1983;44(5):343–4 **(Fre)**

[Primary chemotherapy in breast cancer. Preliminary results] Jacquillat C, et al. **Ann Med Interne (Paris)** 1984; 135(4):291–5 (Eng. Abstr.) **(Fre)**

[Primary chemotherapy combining vincristine, bleomycin, methotrexate and cisplatin systemically or intra-arterially in cancers of the upper respiratory and digestive tracts] Demard F, et al. **Ann Otolaryngol Chir Cervicofac** 1983; 100(8):567–75 (Eng. Abstr.) **(Fre)**

[Initial polychemotherapy in the treatment of cancers of the head and neck. The efficacy and tolerance of 2 nonrandomized combinations in 48 patients] Brun B, et al. **Bull Cancer (Paris)** 1984;71(1):30–4 (Eng. Abstr.) **(Fre)**

[Efficacy of sequential chemotherapy including vincristine, cisplatin and ifosfamide in the treatment of stage IV head and neck carcinomas and melanomas with visceral involvement. Preliminary results] Focan C, et al. **Bull Cancer (Paris)** 1984;71(2):105–7 **(Fre)**

[Metastatic breast cancer: a comparative study of the efficacy of tamoxifen and the sequential administration of tamoxifen and medroxyprogesterone acetate] Giralt E, et al. **Bull Cancer (Paris)** 1984;71(1):22–9 (Eng. Abstr.) **(Fre)**

[Metastatic breast cancer: controlled treatment trial of chemotherapy combined with hormone therapy using medroxyprogesterone alone or combined with tamoxifen (letter)] Jouve M, et al. **Bull Cancer (Paris)** 1984;71(2):148 **(Fre)**

[Malignant lymphomas with initial breast localization. Experience of the Curie Institute] Langlois D, et al. **Bull Cancer (Paris)** 1984;71(2):108–10 **(Fre)**

[Cylindroma of the submaxillary gland disclosed by hepatic metastases. Effect of chemotherapy (letter)] Barbare JC, et al. **Presse Med** 1984 Jan 21;13(2):103 **(Fre)**

[Inoperable primary bronchial cancers: treatment by chemotherapy combinations including cis-platinum] Belpomme D, et al. **Presse Med** 1983 Nov 19;12(42):2671–5 (Eng. Abstr.) **(Fre)**

[Triple biphasic chemotherapy in the treatment of small-cell bronchial cancer] Briancon S, et al. **Presse Med** 1983 Dec 3;12(44):2805–8 (Eng. Abstr.) **(Fre)**

[Highly malignant non-Hodgkin's lymphoma. Treatment by intensive sequential chemotherapy] Coiffier B, et al. **Presse Med** 1983 Oct 8;12(35):2159–62 (Eng. Abstr.) **(Fre)**

[Treatment of Ewing's sarcoma with intensive initial chemotherapy. 1st evaluation of a French pediatric multicenter protocol] Deméocq F, et al. **Presse Med** 1984 Mar 24;13(12):717–21 (Eng. Abstr.) **(Fre)**

[Chemotherapy of microcellular bronchial cancer. Stagnation of the results (letter)] Depierre A, et al. **Presse Med** 1984 Apr 14;13(16):1010 **(Fre)**

[Apical pulmonary cancers spread to bones in the chest. Trial of a protocol of cisplatinum, bleomycin, and mitomycin (letter)] Guillerm D, et al. **Presse Med** 1983 Oct 8; 12(35):2184 **(Fre)**

[Bone and hepatic metastases of malignant melanoma. Complete regression after chemotherapy (letter)] Sellami M, et al. **Presse Med** 1984 Apr 21;13(17):1095–6 **(Fre)**

[Theoretical bases for the clinical use of adjuvant chemotherapy] Klastersky J. **Rev Med Brux** 1984 Jan; 5(1):7–12 (Eng. Abstr.) **(Fre)**

[Treatment of lung cancer by a cooperative group: EORTC Lung Cancer Working Party (Belgium)] Klastersky J, et al. **Rev Med Brux** 1983 Sep;4(7):483–9 (Eng. Abstr.) **(Fre)**

[What should we expect from chemotherapy in advanced pulmonary cancer?] Focan C. **Rev Med Liege** 1984 Feb 1;39(3):99–102 **(Fre)**

[Preliminary results concerning the value of chemotherapy in the treatment of inoperable bronchial carcinoma (excluding small-cell anaplastic carcinoma)] Quoix E, et al. **Rev Pneumol Clin** 1984;40(2):127–9 (Eng. Abstr.) **(Fre)**

[Combination chemotherapy with vincristine, melphalan, CCNA, cyclophosphamide, prednisone in myeloma] Le Loët X, et al. **Rev Rhum Mal Osteoartic** 1984 May; 51(5):263–7 (Eng. Abstr.) **(Fre)**

[Treatment of advanced ovarian cancer] de Gramont A, et al. **Sem Hop Paris** 1984 Mar 29;60(14):957–60 (Eng. Abstr.) **(Fre)**

[Value of polychemotherapy for bronchogenic carcinoma other than undifferentiated small cell carcinoma] Laberge F, et al. **Union Med Can** 1984 Mar;113(3):222–4 (Eng. Abstr.) **(Fre)**

[Chemotherapy of malignant soft tissue tumors] Hossfeld DK, et al. **Chirurg** 1983 Oct;54(10):649–51 **(Ger)**

[Therapy of non-Hodgkin's lymphoma] Schaadt M, et al. **Dtsch Med Wochenschr** 1984 Feb 17;109(7):261–5 (25 ref.) **(Ger)**

[Antibody-controlled cytostatic therapy of malignant thymoma with concomitant myasthenia gravis] Schumm F, et al. **Dtsch Med Wochenschr** 1984 Aug 17; 109(33):1244–6 (Eng. Abstr.) **(Ger)**

[Blast crisis in chronic myeloid leukemia] Fink R, et al. **Folia Haematol (Leipz)** 1983;110(4):517–25 (Eng. Abstr.) **(Ger)**

[10-year analysis (1969–1978) of the results of treating children with acute lymphoblastic leukemia—therapeutic implications] Schulz M, et al. **Folia Haematol (Leipz)** 1983; 110(6):822–30 (Eng. Abstr.) **(Ger)**

[Effect of added enteral feeding in the cytostatic drug-treated cancer patients] König HJ, et al. **Fortschr Med** 1984 Feb 16;102(7):83 **(Ger)**

[Platin-containing cytostatic combinations in the therapy of advanced gynecologic carcinomas] Schulz BO, et al. **Geburtshilfe Frauenheilkd** 1984 Jan;44(1):34–8 (Eng. Abstr.) **(Ger)**

[Indications for cytostatic therapy of recurrent cancer] Schröder M, et al. **HNO** 1984 Jun;32(6):245–8 (Eng. Abstr.) **(Ger)**

[Hypersensitivity to VM-26] Köster B, et al. **Klin Padiatr** 1984 May-Jun;196(3):178–80 (Eng. Abstr.) **(Ger)**

[Adjuvant chemotherapy of breast cancer: persistent controversy] Nagel GA. **Klin Wochenschr** 1984 Feb 15; 62(4):145–8 **(Ger)**

[Chemotherapy with cisplatin-bleomycin and subsequent radiotherapy in advanced head and neck tumors] Schmieder A, et al. **Klin Wochenschr** 1984 Jan 2;62(1):35–42 (Eng. Abstr.) **(Ger)**

[Sonographic course control of chemotherapy in inoperable pancreatic cancer] Braun B. **Med Welt** 1984 Jan 13; 35(1-2):61–6 **(Ger)**

[Chemotherapy of epithelial ovarian carcinoma] Bruntsch U, et al. **MMW** 1983 Nov 4;125(44):993–5 **(Ger)**

[Chemotherapy of non-seminoma testicular cancer. Chances of recovery in a metastasizing malignant tumor] Gallmeier WM, et al. **MMW** 1984 Jan 13;126(2):14–9 **(Ger)**

[Calcitonin in bone-metastasizing breast carcinoma. Results of a pilot study] Beaufort F, et al. **Onkologie** 1984 Jun; 7(3):137–40 (Eng. Abstr.) **(Ger)**

[Recruiting patients and results of a preliminary study on the therapy of acute lymphatic leukemia and acute undifferentiated leukemia in adults] Hoelzer D, et al. **Onkologie** 1983 Aug;6(4):170–4 (Eng. Abstr.) **(Ger)**

[Vinblastine, 5-fluorouracil and prednisone (VFP) as 'second-line' chemotherapy. Contribution to the problem of optimal therapy sequence in metastasizing breast carcinoma] Illiger HJ, et al. **Onkologie** 1983 Dec; 6(6):288–90 (Eng. Abstr.) **(Ger)**

[General medical aspects of oncology] Kleeberg UR. **Onkologie** 1984 Feb;7 Suppl 1:5–8 (Eng. Abstr.) **(Ger)**

[Results of drug therapy of inoperable non-small cell lung carcinoma with VP 16-213 (Etoposide) and cis-platin. A phase II study] Klippstein T, et al. **Onkologie** 1983 Dec; 6(6):306–11 (Eng. Abstr.) **(Ger)**

[3 multicenter phase II studies of the treatment of small cell bronchogenic carcinoma (incl. AIO studies BI + BII)] Liesenfeld A, et al. **Onkologie** 1984 Jun;7(3):145–51 (Eng. Abstr.) **(Ger)**

[Cytostatic therapy of advanced squamous cell carcinoma of the head and neck. A randomized study comparing cis-dichlorodiammineplatinum(II) and bleomycin with methotrexate and vindesine] von Heyden HW, et al. **Onkologie** 1984 Jun;7(3):183–90 (Eng. Abstr.) **(Ger)**

[Simultaneous, combined chemo- and radiotherapy of inoperable small cell bronchial cancer] Austgen M, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:934–5 (Eng. Abstr.) **(Ger)**

[Growth and chemotherapy of human kidney cancer in the thymus—aplastic nude mouse—behavior of the xenotransplant in comparison with tumor in the patient] Haas HJ, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:851–3 (Eng. Abstr.) **(Ger)**

[Significance of bronchofiberscopic therapy controls in inoperable small cell bronchial carcinoma] Niederle N, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:859–61 (Eng. Abstr.) **(Ger)**

[Implantation of human bronchial cancers in the thymus-aplastic nude mouse for the development of tumor models] Schuchhardt CH, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:1009–10 (Eng. Abstr.) **(Ger)**

[Simultaneous combined radio-/chemotherapy of locally recurring breast cancer] Renner H, et al. **Strahlentherapie** 1984 Jul;160(7):421–4 (Eng. Abstr.) **(Ger)**

[Polychemotherapy in inoperable bronchial carcinoma] Schmidt CG. **Strahlentherapie** 1984 Feb;160(2):71–6 (Eng. Abstr.) **(Ger)**

[Combined radiologic-cytostatic treatment in advanced nasopharyngeal cancer and recurrence] Dietz R, et al. **Strahlentherapie [Sonderb]** 1984;78:180–3 **(Ger)**

[Results of combined antineoplastic polychemo- and radiotherapy in small cell bronchial cancer and implications for optimizing therapy] Anger G, et al. **Z Gesamte Inn Med** 1983 Dec 1;38(23):626–30 (Eng. Abstr.) **(Ger)**

[Results of polychemotherapy (a VMCP/VCAP program) in multiple myeloma] Wutke K, et al. **Z Gesamte Inn Med** 1983 Dec 1;38(23):630–3 (Eng. Abstr.) **(Ger)**

[Marked regression of melanoma metastases under combined chemotherapy] Klemm-Mayer H, et al. **Z Hautkr** 1984 Apr 1;59(7):443–5 (Eng. Abstr.) **(Ger)**

[Chemotherapy of endodermal sinus tumors] Richter P, et al. **Zentralbl Gynakol** 1983;105(21):1378–83 (Eng. Abstr.) **(Ger)**

[Non-small cell bronchial carcinoma. Chemo- and radiotherapy] Gropp C. **ZFA (Stuttgart)** 1984 Jan 31; 60(3):109–12 **(Ger)**

[Small cell bronchial carcinoma. Possibilities and results of chemotherapy] Niederle N. **ZFA (Stuttgart)** 1984 Jan 31; 60(3):104–8 **(Ger)**

[The role of steroids and cytostatic drugs in the management of angioimmunoblastic lymphadenopathy (letter)] **Orv Hetil** 1984 Mar 25;125(13):795–6 **(Hun)**

[Lung survival or healing? Description of a case of acute non-lymphoblastic leukosis] Delsignore R, et al. **Acta Biomed Ateneo Parmense** 1984;55(1):59–62 (Eng. Abstr.) **(Ita)**

[Polychemotherapeutic treatment in undifferentiated small cell carcinoma of the lung] Illiano A, et al. **Arch Monaldi** 1983 Jan-Apr;38(1-2):53–7 (Eng. Abstr.) **(Ita)**

[Chemotherapy in advanced forms of carcinoma of the ovary] Calciati A, et al. **Minerva Ginecol** 1984 Apr;36(4):195–8 **(Ita)**

[Chemotherapeutic treatment of advanced ovarian carcinoma. Preliminary results of the Piedmont-Liguria Cooperative Group] Conte PF, et al. **Minerva Ginecol** 1984 Apr;36(4):213–6 **(Ita)**

[Chemotherapy of malignant brain tumors in childhood] Knerich R, et al. **Minerva Med** 1984 Jun 8;75(24):1441–4 (Eng. Abstr.) **(Ita)**

[Protocol of combined surgical and polychemico-immunoradiologic therapy of stage T2N2MO lung cancer] Tosato F, et al. **Minerva Med** 1984 Jun 30; 75(27):1627–31 (Eng. Abstr.) **(Ita)**

[Randomized systemic chemotherapy using two or three drug combination for small cell lung cancer (SCLC)] Eguchi K, et al. **Gan No Rinsho** 1984 Feb;30(2):115–21 (Eng. Abstr.) **(Jpn)**

[Combined chemotherapy and elemental diet in advanced lung cancer patients] Fujii M, et al. **Gan No Rinsho** 1984 Feb;30(2):122–6 (Eng. Abstr.) **(Jpn)**

[Bleomycin, vinca alkaloid and cis-diamminedichloroplatinum combination chemotherapy for advanced testicular tumors] Fukui I, et al. **Gan No Rinsho** 1984 May;30(5):487–95 (Eng. Abstr.) **(Jpn)**

[Conditions suitable for chemotherapy of lung cancer] Fukuoka M, et al. **Gan No Rinsho** 1983 Aug;29(10):1223–8 (Eng. Abstr.) **(Jpn)**

[A gastric cancer patient who underwent curative resection by angiotension-induced hypertension cancer chemotherapy] Hakuta Y, et al. **Gan No Rinsho** 1984 Jan; 30(1):66–9 (Eng. Abstr.) **(Jpn)**

[A case of advanced gastric cancer which disappeared histopathologically after short-time chemotherapy] Hara K, et al. **Gan No Rinsho** 1984 Apr;30(4):399–402 (Eng. Abstr.) **(Jpn)**

[Combined modality for recurrent and disseminated ovarian cancer—CAPF combination chemotherapy and second-look operation] Inagaki J, et al. **Gan No Rinsho** 1983 Aug;29(10):1291–5 (Eng. Abstr.) **(Jpn)**

[Chemotherapy of unresectable Borrmann type 4 gastric cancer] Izumi T, et al. **Gan No Rinsho** 1984 May;30(6 Suppl):710–6 (Eng. Abstr.) **(Jpn)**

[Cerebral metastasis of choriocarcinoma] Kaseki S, et al. **Gan No Rinsho** 1984 Jul;30(9 Suppl):1002–9 (Eng. Abstr.) **(Jpn)**

[Multidisciplinary treatment of metastatic brain tumor and its fundamental studies for chemo-immunotherapy] Kobayashi T. **Gan No Rinsho** 1984 Jul;30(9 Suppl):1022–9 (Eng. Abstr.) **(Jpn)**

[Gastrointestinal disturbance by cancer chemotherapy—recent progress in antiemetic regimens] Murakami M. **Gan No Rinsho** 1984 Jul;30(9 Suppl):1203–10 (Eng. Abstr.) **(Jpn)**

[Conditions suitable for the adjuvant chemotherapy of gastric cancer] Nakajima T, et al. **Gan No Rinsho** 1983 Aug; 29(10):1229–36 (Eng. Abstr.) **(Jpn)**

[A case of advanced testicular seminoma—chemotherapy and serum marker] Nakamura K, et al. **Gan No Rinsho** 1983 Dec;29(15):1779–82 (Eng. Abstr.) **(Jpn)**

[Myelotoxicity due to cancer chemotherapy with special reference to autologous bone marrow transplantation] Nakamura S. **Gan No Rinsho** 1984 Jul;30(9 Suppl):1195–202 (Eng. Abstr.) **(Jpn)**

[Conditions suitable for chemotherapy of gastric cancer] Nakao I. **Gan No Rinsho** 1983 Aug;29(10):1217–22 (Eng. Abstr.) **(Jpn)**

[Immunological approach and surgical treatment of cancer] Nakazato H. **Gan No Rinsho** 1983 Oct;29(13):1537–44 (Eng. Abstr.) **(Jpn)**

[Evaluation of chemotherapy for resected stomach cancer: second-look operation] Niimoto M, et al. **Gan No Rinsho** 1983 Aug;29(10):1274–8 (Eng. Abstr.) **(Jpn)**

[Combination chemotherapy with multimodality approaches for small cell carcinoma of the lung] Ohnoshi T, et al. **Gan No Rinsho** 1984 May;30(6 Suppl):734–40 (Eng. Abstr.) **(Jpn)**

[Regression of adenomas in Gardner's syndrome induced by systemic chemotherapy] Saeki Y, et al. **Gan No Rinsho** 1984 Jun;30(7):849–54 (Eng. Abstr.) **(Jpn)**

[Constant intra-aortic infusion chemotherapy for advanced abdominal cancer—a technic and the effect in patients with peritoneal metastases] Sato M, et al. **Gan No Rinsho** 1984 Jun;30(7):805–9 (Eng. Abstr.) **(Jpn)**

[Treatment of recurrent gastrointestinal cancer] Taguchi T. **Gan No Rinsho** 1983 Aug;29(10):1058–62 (Eng. Abstr.) **(Jpn)**

[An autopsy report of pancreatic carcinoma following the achievement of significant prolongation of survival, despite the lack of a definitive diagnosis] Tajiri H, et al. **Gan No Rinsho** 1984 Mar;30(3):307–10 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation on the sensitivity test for anti-cancer agents in malignant bone and soft-tissue tumors] Takeuchi S, et al. **Gan No Rinsho** 1984 Jul;30(9 Suppl):1113–22 (Eng. Abstr.) **(Jpn)**

[Treatment of relapsing acute leukemia] Yamada K, et al. **Gan No Rinsho** 1983 Aug;29(10):1092–5 (Eng. Abstr.) **(Jpn)**

[Second-look operations and chemotherapy for malignant tumors of the brain] Yamamoto H, et al. **Gan No Rinsho** 1983 Aug;29(10):1253–62 (Eng. Abstr.) **(Jpn)**

[Chemotherapy for advanced stomach cancer — a controlled study of AF and MF] **Gan To Kagaku Ryoho** 1983 Oct; 10(10):2171–8 (Eng. Abstr.) **(Jpn)**

[A combination chemotherapy consisting of vincristine, etoposide and cyclophosphamide (VEC) for small cell carcinoma of the lung] Adachi K, et al. **Gan To Kagaku Ryoho** 1984 Aug;11(8):1617–22 (Eng. Abstr.) **(Jpn)**

[Effect of cis-diammine dichloroplatinum, vindesine sulfate combination chemotherapy for advanced esophageal carcinoma] Akazawa S, et al. **Gan To Kagaku Ryoho** 1984 May;11(5):1018–23 (Eng. Abstr.) **(Jpn)**

[Combination chemotherapy of nicardipine and vindesine sulfate, cis-diammine dichloroplatinum (II) for patients with advanced esophageal carcinoma] Akazawa S, et al. **Gan To Kagaku Ryoho** 1984 Apr;11(4):943–7 (Eng. Abstr.) **(Jpn)**

[Combination chemotherapy of CIS-diamminedichloroplatinum (II) and fluoropyrimidine derivatives for advanced gastric cancer: a preliminary report] Akazawa S, et al. **Gan To Kagaku Ryoho** 1984 Jun; 11(6):1248–52 (Eng. Abstr.) **(Jpn)**

[Combination chemotherapy for small cell carcinoma of the lung: AVN-DVC therapy] Bando H, et al. **Gan To Kagaku Ryoho** 1984 Apr;11(4):888–93 (Eng. Abstr.) **(Jpn)**

[Treatment of advanced neuroblastoma with regimens containing cis-dichlorodiammineplatinum—effect and toxicity] Bessho F, et al. **Gan To Kagaku Ryoho** 1984 May; 11(5):1116–21 (Eng. Abstr.) **(Jpn)**

[Chemotherapy of urothelial cancer with vincristine, mitomycin C, bleomycin, tegafur and OK-432] Fujihiro S, et al. **Gan To Kagaku Ryoho** 1984 Mar;11(3):427–32 (Eng. Abstr.) **(Jpn)**

[Combination chemotherapy consisting of cis-platinum and adriamycin in non-small cell carcinoma of the lung] Fujii M, et al. **Gan To Kagaku Ryoho** 1984 Feb;11(2):265–9 (Eng. Abstr.) **(Jpn)**

[Combination chemotherapy with PAP (peplomycin, adriamycin and cisplatin) in recurrent uterine cervical cancer with pulmonary metastasis] Fujii M, et al. **Gan To Kagaku Ryoho** 1984 Feb;11(2):342–3 (Eng. Abstr.) **(Jpn)**

[Combined antitumor therapy with polyamine biosynthesis inhibitors and mitomycin C] Fujimoto S, et al. **Gan To Kagaku Ryoho** 1983 Nov;10(11):2347–52 (Eng. Abstr.) **(Jpn)**

[Combination chemotherapy of advanced transitional cell carcinoma with cis-platinum, cyclophosphamide, adriamycin and 5-fluorouracil (CISCAF)] Fujioka H, et al. **Gan To Kagaku Ryoho** 1984 Aug;11(8):1612–6 (Eng. Abstr.) **(Jpn)**

[Adjuvant chemotherapy in the treatment of primary soft tissue sarcomas, with special reference to intra-arterial infusion chemotherapy] Fukuma H, et al. **Gan To Kagaku Ryoho** 1984 Sep;11(9):1729–35 (Eng. Abstr.) **(Jpn)**

[Local application of anti-cancer drugs for the treatment of malignant pleural and pericardial effusion] Fukuoka M, et al. **Gan To Kagaku Ryoho** 1984 Aug;11(8):1543–9 (Eng. Abstr.) **(Jpn)**

[Adjuvant chemotherapy for osteosarcoma in Japan—past, present and future] Furuse K, et al. **Gan To Kagaku Ryoho** 1984 Sep;11(9):1746–56 (Eng. Abstr.) **(Jpn)**

[The clinical effect of hyperthermia combined with induced hypertension chemotherapy] Hayashida S, et al. **Gan To Kagaku Ryoho** 1984 Jun;11(6):1218–24 (Eng. Abstr.) **(Jpn)**

[Usefulness of LDH isozyme for monitoring the therapy of human breast cancer transplanted in nude mice] Hayata S, et al. **Gan To Kagaku Ryoho** 1984 Feb;11(2):270–8 (Eng. Abstr.) **(Jpn)**

[A combination chemotherapy with adriamycin, cyclophosphamide and DTIC (ACD) for advanced adult soft part sarcoma] Ikeda K, et al. **Gan To Kagaku Ryoho** 1984 Feb;11(2):235–9 (Eng. Abstr.) **(Jpn)**

[New combination chemotherapy for malignant melanoma—PAV(peplomycin, ACNU, VCR) therapy] Ikeda S, et al. **Gan To Kagaku Ryoho** 1983 Oct; 10(10):2198–204 (Eng. Abstr.) **(Jpn)**

[Combination chemotherapy of mitomycin C and cytosine arabinoside in the intravesical treatment for superficial bladder tumors: report 2. Evaluation of prophylactic intravesical infusion therapy] Ikeuchi T, et al. **Gan To Kagaku Ryoho** 1984 Apr;11(4):858–63 (Eng. Abstr.) **(Jpn)**

[Cooperative studies on surgical adjuvant immunochemotherapy for prevention of postoperative recurrence of gastric cancer] Imaizumi M, et al. **Gan To Kagaku Ryoho** 1984 Jan;11(1):60–8 (Eng. Abstr.) **(Jpn)**

[A randomized trial of adriamycin, cyclophosphamide, ftorafur (ACF) and adriamycin, cyclophosphamide, ftorafur, methotrexate (ACFM) in patients with advanced breast cancer] Inoue K, et al. **Gan To Kagaku Ryoho** 1984 Sep;11(9):1832–7 (Eng. Abstr.) **(Jpn)**

[Cancer of the maxillary antrum—a new multidisciplinary treatment containing neo-adjuvant chemotherapy] Inuyama Y, et al. **Gan To Kagaku Ryoho** 1984 Jun; 11(6):1165–73 (Eng. Abstr.) **(Jpn)**

[Combination chemotherapy of N(4)-behenoyl-1-beta-arabinofuranosylcytosine, aclarubicin, 6-MP, and prednisolone (BH-AC. AMP therapy) for adult acute non-lymphocytic leukemia] Ishige K, et al. **Gan To Kagaku Ryoho** 1984 Jul;11(7):1475–9 (Eng. Abstr.) **(Jpn)**

[Malignant melanoma in Japan: unique distribution and effect of DAV chemoimmunotherapy (part II)] Ishihara K, et al. **Gan To Kagaku Ryoho** 1984 Mar;11(3):467–73 (Eng. Abstr.) **(Jpn)**

[Intra-arterial infusion chemotherapy for metastatic hepatic tumor of colo-rectal cancer] Kimoto Y, et al. **Gan To Kagaku Ryoho** 1983 Oct;10(10):2205–10 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of adriamycin for advanced breast cancer (3)—a joint study by 26 institutes on the CAF and CMcF treatment] Kubo K, et al. **Gan To Kagaku Ryoho** 1983 Dec; 10(12):2523–31 (Eng. Abstr.) **(Jpn)**

[Adjuvant chemotherapy for extranodal non-Hodgkin's lymphoma] Kuraishi Y, et al. **Gan To Kagaku Ryoho** 1983 Dec;10(12):2545–9 (Eng. Abstr.) **(Jpn)**

[Chemotherapy of unresectable Borrmann's type IV stomach cancer] Kurihara M, et al. **Gan To Kagaku Ryoho** 1983 Dec;10(12):2468–77 (Eng. Abstr.) **(Jpn)**

[Diagnosis and treatment of renal cell carcinoma] Machida T, et al. **Gan To Kagaku Ryoho** 1983 Oct;10(10):2103–10 (Eng. Abstr.) **(Jpn)**

[Short-term intensive chemotherapy (STIC) combined with intravenous hyperalimentation in advanced stomach cancer] Maeta M, et al. **Gan To Kagaku Ryoho** 1983 Nov; 10(11):2370–6 (Eng. Abstr.) **(Jpn)**

[Combination chemotherapy with neocarzinostatin(NCS), HCFU and picibanil(NHO therapy) for advanced carcinoma of the digestive system—a comparative study with NF, and NFO therapy] Maeta M, et al. **Gan To Kagaku Ryoho** 1984 Jan;11(1):69–74 (Eng. Abstr.) **(Jpn)**

[Treatment of acute leukemia in relapse] Masaoka T. **Gan To Kagaku Ryoho** 1983 Nov;10(11):2275–80 (Eng. Abstr.) **(Jpn)**

[Preoperative immunochemotherapy for gastric cancer combined with perifocal administration of OK-432] Mukai M, et al. **Gan To Kagaku Ryoho** 1984 May;11(5):1071–7 (Eng. Abstr.) **(Jpn)**

[Evaluation of chemotherapy in hepatocellular carcinoma with liver cirrhosis] Munehisa T, et al. **Gan To Kagaku Ryoho** 1983 Nov;10(11):2318–23 (Eng. Abstr.) **(Jpn)**

[A combination therapy for hypopharyngeal cancer] Murakami Y. **Gan To Kagaku Ryoho** 1984 Jun; 11(6):1197–203 (Eng. Abstr.) **(Jpn)**

[Systemic chemotherapy of mammary carcinoma: plasma and tissue concentrations of 5-fluorouracil and adriamycin, and result of CAF and CMF therapy of breast cancer] Murayama Y, et al. **Gan To Kagaku Ryoho** 1984 Mar; 11(3):415–9 (Eng. Abstr.) **(Jpn)**

[Chemotherapy of gastric and rectal cancers incorporating non-radical irradiation during remission induction. 1] Nakano N, et al. **Gan To Kagaku Ryoho** 1984 Feb; 11(2):247–52 (Eng. Abstr.) **(Jpn)**

[Effect of combination chemotherapy of nitrosourea MCNU with various anti-tumor agents] Ninomiya K, et al. **Gan To Kagaku Ryoho** 1984 Jun;11(6):1315–23 (Eng. Abstr.) **(Jpn)**

[Combination chemotherapy (BEAM regimen) for head and neck cancer] Noguchi A, et al. **Gan To Kagaku Ryoho** 1983 Oct;10(10):2158–62 (Eng. Abstr.) **(Jpn)**

[Present status of endocrine therapy of breast cancer: a surgeon's view] Nomura Y. **Gan To Kagaku Ryoho** 1984 May;11(5):981–8 (Eng. Abstr.) **(Jpn)**

[Review of intra-arterial infusion-radiation therapy for lingual cancer] Nomura Y, et al. **Gan To Kagaku Ryoho** 1984 Jun;11(6):1174–81 (Eng. Abstr.) **(Jpn)**

[A study of post-operative chemotherapy for renal pelvic and ureteral tumors] Numasawa K, et al. **Gan To Kagaku Ryoho** 1984 Jul;11(7):1501–5 (Eng. Abstr.) **(Jpn)**

[Intravesical chemotherapy for superficial bladder tumors] Ohmori H. **Gan To Kagaku Ryoho** 1984 Aug;11(8):1557–62 (Eng. Abstr.) **(Jpn)**

[Multidisciplinary treatment for small cell lung cancer] Saijo N, et al. **Gan To Kagaku Ryoho** 1984 Mar;11(3):474–9 (Eng. Abstr.) **(Jpn)**

[Combined chemotherapy with cisplatin and bleomycin for malignant tumor of the chest] Saitoh Y. **Gan To Kagaku Ryoho** 1984 Feb;11(2):295–300 (Eng. Abstr.) **(Jpn)**

[Adriamycin-based combination chemotherapy in the treatment of advanced malignant lymphoma. A progress report] Sampi K, et al. **Gan To Kagaku Ryoho** 1984 May; 11(5):1012–7 (Eng. Abstr.) **(Jpn)**

[Aclacinomycin A and behenoyl ara-C combination chemotherapy for untreated acute non-lymphocytic leukemia] Sampi K, et al. **Gan To Kagaku Ryoho** 1983 Oct; 10(10):2211–6 (Eng. Abstr.) **(Jpn)**

[Combined chemotherapy with alpha interferon for neuroblastoma] Sawada J, et al. **Gan To Kagaku Ryoho** 1984 May;11(5):1147–9 **(Jpn)**

[Significance of the bioclean room during the treatment of lung cancer] Sawamura N, et al. **Gan To Kagaku Ryoho** 1984 Feb;11(2):253–9 (Eng. Abstr.) **(Jpn)**

[Nasopharyngeal carcinoma] Shimada F. **Gan To Kagaku Ryoho** 1984 Jun;11(6):1182–8 (Eng. Abstr.) **(Jpn)**

[The value of carcinoembryonic antigens in patients with advanced lung cancer: in relation to chemotherapy] Shinkai T, et al. **Gan To Kagaku Ryoho** 1984 May;11(5):1056–63

(Eng. Abstr.) (Jpn)
[UFT-therapy and UFTM therapy--comparison of survivals in the patients with Borrmann type 4 gastric cancer treated either with UFTM-chemotherapy or operation] Suga S, et al. **Gan To Kagaku Ryoho** 1984 Mar;11(3 Pt 2):769-74 (Eng. Abstr.) (Jpn)
[Chemotherapy of Borrmann's type IV diffuse carcinoma of the stomach] Suga S, et al. **Gan To Kagaku Ryoho** 1983 Dec;10(12):2478-84 (Eng. Abstr.) (Jpn)
[Case of metastatic malignant melanoma responded to combination chemotherapy with DTIC] Tamura T, et al. **Gan To Kagaku Ryoho** 1984 Feb;11(2):327-32 (Eng. Abstr.) (Jpn)
[Successful chemotherapy for mediastinal seminoma--a case report] Tawa A, et al. **Gan To Kagaku Ryoho** 1984 Aug; 11(8):1687-91 (Eng. Abstr.) (Jpn)
[Remission maintenance therapy of non-Hodgkin's lymphoma with CHOP protocol] Toki H, et al. **Gan To Kagaku Ryoho** 1984 Feb;11(2):260-4 (Eng. Abstr.) (Jpn)
[Modified VAB-3 combination chemotherapy of stage IV endodermal sinus tumor of the ovary] Tsukamoto N, et al. **Gan To Kagaku Ryoho** 1984 Apr;11(4):948-51 (Eng. Abstr.) (Jpn)
[Chemotherapy of chronic myelogenous leukemia in blastic crisis--vindesine, cytosine arabinoside prednisolone combination therapy] Uzuka Y, et al. **Gan To Kagaku Ryoho** 1984 May;11(5):1064-70 (Eng. Abstr.) (Jpn)
[MCNU effectiveness on brain tumor. Part I: Antitumor activity in vitro on human glioma and neuroblastoma cell lines] Wakabayashi T, et al. **Gan To Kagaku Ryoho** 1984 May;11(5):1098-106 (Eng. Abstr.) (Jpn)
[Clinical studies on induced hypertension chemotherapy based on functional characteristics of microcirculation of tumor vessels] Wakui A, et al. **Gan To Kagaku Ryoho** 1984 Mar;11(3 Pt 2):741-9 (Eng. Abstr.) (Jpn)
[Chemotherapy of advanced bone and soft tissue sarcoma] Yamawaki S, et al. **Gan To Kagaku Ryoho** 1984 Sep; 11(9):1757-63 (Eng. Abstr.) (Jpn)
[Case of yolk sac tumor decreasing in size and the normalizing of alph-fetoprotein level by anticancer chemotherapy] Yoshida N, et al. **Gan To Kagaku Ryoho** 1984 Feb;11(2):333-6 (Eng. Abstr.) (Jpn)
[Combination chemotherapy with bleomycin, vincristine and methotrexate for stage I non-seminomatous germ cell testicular tumors] Fukui I, et al. **Hinyokika Kiyo** 1983 Feb; 29(2):191-8 (Eng. Abstr.) (Jpn)
[Chemotherapy of metastatic urothelial carcinoma. cis-Diamminedichloroplatinum combination chemotherapy for patients with decreased renal function] Kihara K, et al. **Hinyokika Kiyo** 1984 Jan;30(1):21-8 (Eng. Abstr.) (Jpn)
[Rhabdomyosarcoma of the bladder in a child: report of a case] Konami T, et al. **Hinyokika Kiyo** 1984 Mar; 30(3):387-95 (Eng. Abstr.) (Jpn)
[The effect of intravesical chemotherapy on superficial urinary bladder cancer] Moriyama M, et al. **Hinyokika Kiyo** 1983 Mar;29(3):351-5 (Eng. Abstr.) (Jpn)
[Combination chemotherapy with adriamycin, carboquone and 5-Fu for bladder cancer] Uchibayashi T, et al. **Hinyokika Kiyo** 1983 Dec;29(12):1617-23 (Eng. Abstr.) (Jpn)
[Evaluation of radiation immunochemotherapy in the treatment of malignant glioma. Combined use of ACNU, VCR and PS-K] Kaneko S, et al. **Hokkaido Igaku Zasshi** 1983 Nov;58(6):622-30 (Eng. Abstr.) (Jpn)
[Antitumor effect of bestatin combined with bleomycin against hepatoma AH 66 subcutaneously transplanted in rats] Abe F, et al. **Jpn J Antibiot** 1984 Apr;37(4):589-92 (Eng. Abstr.) (Jpn)
[Chemotherapy of experimental meningeal gliomatosis] Yoshida T, et al. **Neurol Med Chir (Tokyo)** 1984 May; 24(5):302-8 (Eng. Abstr.) (Jpn)
[Clinical study of combination chemotherapy with continuously infused peplomycin (PEP), cis-dichlorodiammineplatinum (II) (CDDP) and mitomycin C (MMC) (PPM therapy)] Goto T, et al. **Nippon Gan Chiryo Gakkai Shi** 1983 Dec 20;18(8):2054-60 (Eng. Abstr.) (Jpn)
[T cell lymphoma successfully treated with multiple chemotherapy including DTIC] Shimizu T, et al. **Nippon Hifuka Gakkai Zasshi** 1983 Aug;93(9):935-42 (Jpn)
[Clinical management of carcinoma in situ of the bladder. II. Cases of bladder instillation] Itatani H, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Aug;74(8):1412-7 (Eng. Abstr.) (Jpn)
[Invasiveness and metastasis of bladder cancer. 2. Prevention of postoperative metastasis by chemotherapy] Numasawa K, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Mar; 74(3):349-56 (Eng. Abstr.) (Jpn)
[Problems in the clinical evaluation of chemotherapy for hormonally-unresponsive carcinoma of the prostate] Rinsho K, et al. **Nippon Hinyokika Gakkai Zasshi** 1984 Feb;75(2):229-32 (Eng. Abstr.) (Jpn)
[Experimental chemotherapy using a transplanted head and neck cancer model in athymic nude mice] Hirokawa T. **Nippon Jibiinkoka Gakkai Kaiho** 1984 Feb;87(2):182-94 (Eng. Abstr.) (Jpn)
[Inhibitory effect of chemo-radiotherapy on experimental tumor in mice] Okada K. **Nippon Jibiinkoka Gakkai Kaiho** 1983 Jul;86(7):735-48 (Eng. Abstr.) (Jpn)
[Complete remission in a patient with acute megakaryoblastic leukemia] Imai M, et al. **Nippon Ketsueki Gakkai Zasshi** 1984 May;47(3):719-26 (Eng. Abstr.) (Jpn)
[Clinical studies of BH-AC-DMP in adult acute nonlymphocytic leukemia] Kato Y, et al. **Nippon Ketsueki Gakkai Zasshi** 1983 Sep;46(5):1077-86 (Eng. Abstr.) (Jpn)
[Malignant lymphoma--recent progress in diagnosis and treatment. (Supplement 1). Long-term survivors of malignant lymphoma patients treated with combination chemotherapy: retrospective analysis] Kimura I. **Nippon Naika Gakkai Zasshi** 1983 Oct;72(10):1342-4 (Jpn)
[A case report of neoplastic angioendotheliosis which responded to a combination chemotherapy (CHOP)] Shiozaki H, et al. **Nippon Naika Gakkai Zasshi** 1984 Mar; 73(3):374-8 (Jpn)
[Malignant lymphoma--recent progress in diagnosis and treatment. 3. Progress in therapeutic results. (2). Treatment of malignant lymphoma with special reference to chemotherapy and immunotherapy] Shirakawa S, et al. **Nippon Naika Gakkai Zasshi** 1983 Oct;72(10):1329-35 (19 ref.) (Jpn)
[Chemotherapy in advanced non-Hodgkin's lymphoma: follow-up studies] Kimura I. **Nippon Rinsho** 1983 Nov; 41(11):2600-10 (Jpn)
[Studies on hematological diseases in elderly patients. Part 3: Chemotherapeutic effect on acute nonlymphocytic leukemia in elderly patients] Takahashi I, et al. **Nippon Ronen Igakkai Zasshi** 1984 Jan;21(1):14-9 (Eng. Abstr.) (Jpn)
[Alteration of peripheral blood lymphocyte subsets in the patients with ovarian cancer before and after chemotherapy] Hamai J, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Jul; 36(7):1064-70 (Eng. Abstr.) (Jpn)
[Clinical aspects of ovarian endodermal sinus tumor] Nishida T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Mar; 36(3):415-20 (Eng. Abstr.) (Jpn)
[Chemotherapy for experimental subarachnoid dissemination model of brain tumor] Yamashita T, et al. **No Shinkei Geka** 1984 Jan;12(1):47-53 (Eng. Abstr.) (Jpn)
[Treatment of acute leukemia] Amaki K. **Rinsho Ketsueki** 1984 Apr;25(4):447-59 (Jpn)
[A presumed transient hemolytic reaction following vinca alkaloids administration in patients with hematological malignancies] Iwata N, et al. **Rinsho Ketsueki** 1984 May; 25(5):649-54 (Eng. Abstr.) (Jpn)
[Treatment of refractory acute lymphocytic leukemia in childhood with BH-AC, ACM, 6-MP, and prednisolone] Karube T, et al. **Rinsho Ketsueki** 1984 May;25(5):613-8 (Eng. Abstr.) (Jpn)
[Treatment of adult acute promyelocytic leukemia during the period of 1974-1982] Kawashima K, et al. **Rinsho Ketsueki** 1984 Feb;25(2):121-8 (Eng. Abstr.) (Jpn)
[Study on the treatment of acute lymphoblastic leukemia with T-cell markers in children] Nishikawa A, et al. **Rinsho Ketsueki** 1984 May;25(5):660-5 (Eng. Abstr.) (Jpn)
[A case of refractory acute myeloblastic leukemia who achieved partial remission by high dose cytosine arabinoside] Okamoto S, et al. **Rinsho Ketsueki** 1984 May; 25(5):719-23 (Eng. Abstr.) (Jpn)
[Remission induction in adult acute lymphocytic leukemia--use of vinca alkaloids and prednisolone alone] Sampi K, et al. **Rinsho Ketsueki** 1983 Dec;24(12):1645-9 (Eng. Abstr.) (Jpn)
[CVP or C-MOPP combination chemotherapy in the treatment of advanced Hodgkin's disease and non-Hodgkin's lymphoma (intermediate grade of working formulation)] Sampi K, et al. **Rinsho Ketsueki** 1984 Feb; 25(2):164-8 (Eng. Abstr.) (Jpn)
[Remission induction and maintenance with multi-drug regimen (modified LSA2L2) for acute lymphoblastic leukemia in children] Shitara T, et al. **Rinsho Ketsueki** 1983 Nov;24(11):1479-83 (Eng. Abstr.) (Jpn)
[High dose combination chemotherapy (AAABC) and autologous bone marrow transplantation for non-Hodgkin's lymphoma] Takagi S, et al. **Rinsho Ketsueki** 1983 Oct;24(10):1403-7 (Eng. Abstr.) (Jpn)
[Plasma cell leukemia resistant to chemotherapy, with special reference to cytogenetic markers, 14q+ and double minute chromosomes] Yamane Y, et al. **Rinsho Ketsueki** 1984 Mar; 25(3):365-71 (Eng. Abstr.) (Jpn)
[Allogeneic bone marrow transplantation for the treatment of acute lymphoblastic leukemia. A comparison of bone marrow transplantation with conventional chemotherapy] Yoshida T, et al. **Rinsho Ketsueki** 1984 Mar;25(3):337-45 (Eng. Abstr.) (Jpn)
[Combination chemotherapy in Alkeran-resistant myelomatosis] Kjølseth I, et al. **Tidsskr Nor Laegeforen** 1984 May 10;104(13):873-4 (Eng. Abstr.) (Nor)
[Chemotherapy of immature ovarian teratomas] Sablińska B. **Ginekol Pol** 1983 Oct;54(10):641-7 (Eng. Abstr.) (Pol)
[Monochemotherapy and polychemotherapy of multiple myeloma] Kraj M, et al. **Nowotwory** 1984 Jan-Mar; 34(1):65-75 (Eng. Abstr.) (Pol)
[Induction of remission in patients with non-Hodgkin lymphomas with high degree of malignancy - preliminary comparison of 2 chemotherapy programs: CHOP-B (cyclophosphamide, adriamycin, vincristine, encorton, bleomycin) and MEV-A (methotrexate, cyclophosphamide, vincristine and adriamycin)] Walewski JA. **Nowotwory** 1983 Jul-Sep;33(3):259-65 (Eng. Abstr.) (Pol)
[Chemotherapy of plasmacytoma] Kraj M. **Pol Tyg Lek** 1983 Apr 18;38(16):477-80 (Pol)
[Duration of remission after termination of treatment of lymphoblastic leukemia in children] Nosek-Cenkowska B, et al. **Pol Tyg Lek** 1984 Feb 13;39(7):205-8 (Eng. Abstr.) (Pol)
[General principles of cancer chemotherapy] Orzechowska-Juzwenko K. **Pol Tyg Lek** 1983 Dec 19-26; 38(51-52):1675-8 (Eng. Abstr.) (Pol)
[Results of combined treatment of advanced forms of multiple myeloma with vincristine, melphalan, cyclophosphamide and prednisone (VMCP) and with vincristine, doxorubicin, cyclophosphamide and prednisone (VDCP)] Robak T, et al. **Pol Tyg Lek** 1983 Apr 18;38(16):481-4 (Eng. Abstr.) (Pol)
[Chemotherapy of bladder and prostatic neoplasms in children] Bożek J, et al. **Probl Med Wieku Rozwoj** 1979; 9:324-8 (Eng. Abstr.) (Pol)
[Selected problems of chemotherapy in patients with testicular seminoma] Pawlicki M, et al. **Przegl Lek** 1984; 41(2):209-12 (Eng. Abstr.) (Pol)
[Treatment of non-Hodgkin malignant lymphomas] Gociu M, et al. **Rev Med Interna [Med Interna]** 1984 Jan-Feb; 36(1):1-10 (Rum)
[BCG vaccination in the treatment of malignant non-Hodgkin lymphomas] Gociu M, et al. **Rev Med Interna [Med Interna]** 1984 Jan-Feb;36(1):25-8 (Rum)
[Clinical and therapeutic aspects of non-Hodgkin lymphoma with primary digestive localization] Stoica I, et al. **Rev Med Interna [Med Interna]** 1984 Jan-Feb;36(1):11-8 (Rum)
[Trial of the use of bleomycin in combination with other chemopreparations for treating the metastases of squamous cell cancer in various sites] Kupchan DZ, et al. **Antibiotiki** 1983 Dec;28(12):912-4 (Eng. Abstr.) (Rus)
[Comparative evaluation of the results of mono- and polychemotherapy of disseminated forms of breast cancer using the CMFVP program and anthracycline antibiotics (carminomycin and adriamycin)] Trishkina EA, et al. **Antibiotiki** 1983 Nov;28(11):853-8 (Eng. Abstr.) (Rus)
[Adriablastin (doxorubicin) in the combined chemotherapy of patients with disseminated forms of breast cancer] Voznyĭ EK, et al. **Antibiotiki** 1984 Jun;29(6):463-8 (Eng. Abstr.) (Rus)
[Importance of immunological and cytochemical studies of the peripheral blood lymphocytes in myeloma patients during polychemotherapy] Golenkov AK, et al. **Gematol Transfuziol** 1984 Feb;29(2):19-22 (Eng. Abstr.) (Rus)
[Antitumor activity of a combination of dimethylnitrosourea and a carbohydrate derivative of nitrosourea (ADEKO) with cyclophosphamide in an experiment] Krutova TV, et al. **Izv Akad Nauk SSSR [Biol]** 1984 May-Jun;(3):439-45 (Eng. Abstr.) (Rus)
[Programs for the radiation and drug treatment of metastases of Ewing's sarcoma to the lungs in children] Bizer VA, et al. **Med Radiol (Mosk)** 1983 Nov;28(11):8-12 (Eng. Abstr.) (Rus)
[Cooperative trials of the Council of Mutual Economic Aid countries on chemoradiotherapy of lung cancer] Kiseleva ES, et al. **Med Radiol (Mosk)** 1984 Aug;29(8):3-8 (Eng. Abstr.) (Rus)
[Effectiveness of various methods of chemotherapy of lymphosarcoma] Abdyldaev RA, et al. **Ter Arkh** 1984; 56(6):70-5 (Eng. Abstr.) (Rus)
[Results of treatment of patients with lymphosarcoma according to the ACVP regimen] Abdyldaev RA, et al. **Ter Arkh** 1983;55(8):40-3 (Eng. Abstr.) (Rus)
[Differential therapy of lymphocytic leukemia] Vorob'ev AI, et al. **Ter Arkh** 1983;55(8):7-15 (Eng. Abstr.) (Rus)
[Chemotherapy of nephroblastoma] Durnov LA, et al. **Urol Nefrol (Mosk)** 1984 May-Jun;(3):68-70 (25 ref.) (Rus)
[Preoperative chemotherapy of nephroblastomas in children] Lebedev VI, et al. **Urol Nefrol (Mosk)** 1984 Jul-Aug; (4):25-7 (Eng. Abstr.) (Rus)
[Roentgenological changes during treatment of breast cancer metastases into the bones with adriamycin and tamoxifen] Lipovich MM, et al. **Vestn Rentgenol Radiol** 1983 Jul-Aug; (4):65-8 (Eng. Abstr.) (Rus)
[Ambulatory chemotherapy of hematosarcoma] Finogenova IA, et al. **Vopr Onkol** 1984;30(3):77-81 (Eng. Abstr.) (Rus)
[Efficacy of mono- and polychemotherapy in patients with advanced ovarian cancer] Khasanova DT, et al. **Vopr Onkol** 1984;30(3):67-71 (Eng. Abstr.) (Rus)
[Treatment of primary liver tumors] Klimenkov AA, et al. **Vopr Onkol** 1984;30(1):59-65 (Eng. Abstr.) (Rus)
[Polychemotherapy and radiotherapy for small cell cancer of the lung] Linchenko IF, et al. **Vopr Onkol** 1983; 29(9):106-14 (74 ref.) (Rus)

[Treatment of penile cancer] Matveev BP, et al. **Vopr Onkol** 1984;30(1):71–6 (Eng. Abstr.) **(Rus)**

[Induction polychemotherapy of non-Hodgkin's lymphomas in children] Radulescu GG, et al. **Vopr Onkol** 1984; 30(6):33–7 (Eng. Abstr.) **(Rus)**

[Treatment of patients with chronic myelosis during blast transformation] Maras J. **Acta Med Iugosl** 1984;38(1):23–37 (Eng. Abstr.) **(Scr)**

[Critical analysis of the efficacy and toxicity of current chemotherapy in advanced non-seminoma testicular cancer: 3 years' experience] Germa Lluch JR, et al. **Actas Urol Esp** 1984 Jan–Feb;8(1):53–8 (Eng. Abstr.) **(Spa)**

[Treatment of bronchopulmonary small cell carcinoma with a combination of cyclophosphamide and VP–16] González Larriba JL, et al. **Med Clin (Barc)** 1984 May 19;82(19):836–9 (Eng. Abstr.) **(Spa)**

[Mycosis fungoides. Clinical study and immunologic response to chemotherapy in 2 cases] Sandoval CA, et al. **Med Cutan Iber Lat Am** 1983;11(5):357–64 (Eng. Abstr.) **(Spa)**

[Treatment of advanced cancer of the colon and rectum with the combination of 5-fluorouracil, imidazolecarboxamide and vincristine] Fleischer I, et al. **Medicina (B Aires)** 1983; 43(2):143–6 (Eng. Abstr.) **(Spa)**

[Polychemotherapeutic experience in oat-cell type lung tumors] Ruiz Alcantarilla P, et al. **Rev Clin Esp** 1984 Jan 15;172(1):47–50 (Eng. Abstr.) **(Spa)**

[Results of 2 chemotherapy protocols (VPA and C-VPA) in acute adult lymphoblastic leukemia] Avilés Miranda A, et al. **Rev Invest Clin** 1983 Oct–Dec;35(4):285–9 (Eng. Abstr.) **(Spa)**

[Type L1 acute lymphoblastic leukemia in children] Rivera Luna R, et al. **Rev Invest Clin** 1984 Jan–Mar;36(1):23–9 (Eng. Abstr.) **(Spa)**

[Possibility of curing acute leukemias in adults: report of 22 cases of discontinued chemotherapy. When hope can become reality] Sánchez Fayos J, et al. **Sangre (Barc)** 1983; 28(5):617–27 (Eng. Abstr.) **(Spa)**

TOXICITY

Treatment of human glioma and medulloblastoma tumor lines in athymic mice with diaziquone and diaziquone-based drug combinations. Schold SC Jr, et al. **Cancer Res** 1984 Jun;44(6):2352–7

CAP (cyclophosphamide, adriamycin, cisplatinum) in the treatment of advanced breast cancer. Mechl Z, et al. **Neoplasma** 1984;31(4):431–5

ANTINEOPLASTIC AGENTS, PHYTOGENIC

Physico-chemical investigation of the mode of binding of the alkaloids 5,6-dihydroflavopereirine and sempervirine with DNA. Caprasse M, et al. **Biochimie** 1984 Jan; 66(1):31–41

Antitumor activity of diterpenoids, trichorabdals A, B, and C, and the related compounds: synergism of two active sites. Node M, et al. **Chem Pharm Bull (Tokyo)** 1983 Apr; 31(4):1433–6

Pro-inflammatory, tumour-promoting and anti-tumour diterpenes of the plant families Euphorbiaceae and Thymelaeaceae. Evans FJ, et al. **Fortschr Chem Org Naturst** 1983;44:1–99 (208 ref.)

Noncytotoxic inhibition of malignant cell growth by Ulex seed extracts. Pirofsky B, et al. **J Biol Response Mod** 1983; 2(2):175–85

Evaluation of limonoids against the murine P388 lymphocytic leukemia cell line. Pettit GR, et al. **J Nat Prod** 1983 May–Jun;46(3):379–90

Catharanthus alkaloids, XXXVIII. Confirming structural evidence and antineoplastic activity of the bisindole alkaloids leurosine-N'b-oxide (pleurosine), roseadine and vindolicine from Catharanthus roseus. El-Sayed A, et al. **J Nat Prod** 1983 Jul–Aug;46(4):517–27

Cytotoxic effects of Eleutherococcus senticosus aqueous extracts in combination with N6-(delta 2-isopentenyl)-adenosine and 1-beta-D-arabinofuranosylcytosine against L1210 leukemia cells. Hacker B, et al. **J Pharm Sci** 1984 Feb; 73(2):270–2

[The structure of hainanolide] Bao GH, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1983 Apr; 5(2):89–93 (Eng. Abstr.) **(Chi)**

[Complementary study of the cytotoxicity of melinonine F, an alkaloid derivative of beta-carboline] Bassleer R, et al. **Planta Med** 1983 Nov;49(3):158–61 (Eng. Abstr.) **(Fre)**

ADMINISTRATION & DOSAGE

Cutaneous cytodestructive potency of lignans. II. A comparative evaluation of macroscopic-toxic influence on rabbit skin subsequent to repeated 10-day applications. von Krogh G, et al. **Dermatologica** 1983;167(2):70–7

Alteration in natural resistance of sarcoma 180 tumor to Bouvardin (NSC 259968) following hyperthermia. Adwankar MK, et al. **Tumori** 1983 Aug 31;69(4):309–12

ADVERSE EFFECTS

Hepatocellular toxicity during the treatment of refractory acute leukemia with indicine N-oxide. Letendre L, et al. **Cancer** 1984 Oct 1;54(7):1256–9

ANALYSIS

Antineoplastic agents, 88. Pimelea prostrata. Pettit GR, et al. **J Nat Prod** 1983 Jul–Aug;46(4):563–8

Plant antitumor agents, 19. Novel triterpenes from Maprounea africana. Wani MC, et al. **J Nat Prod** 1983 Jul–Aug;46(4):537–43

Plant anticancer agents. XXX: Cucurbitacins from Ipomopsis aggregata (Polemoniaceae). Arisawa M, et al. **J Pharm Sci** 1984 Mar;73(3):411–3

BIOSYNTHESIS

Production of antineoplastic agents by plant tissue cultures. I. Induction of callus tissues and detection of the agents in cultured cells. Misawa M, et al. **Planta Med** 1983 Oct; 49(2):115–9

IMMUNOLOGY

Present potential of immunotoxins. Poncelet P, et al. **Behring Inst Mitt** 1984 May;(74):94–100

ISOLATION & PURIFICATION

Studies on non-sesquiterpenoid constituents of Gaillardia pulchella. II. Less lipophilic substances, methyl caffeate as an antitumor catecholic. Inayama S, et al. **Chem Pharm Bull (Tokyo)** 1984 Mar;32(3):1135–41

Isolation and antitumor activity of cyclic hexapeptides isolated from Rubiae radix. Itokawa H, et al. **Chem Pharm Bull (Tokyo)** 1984 Jan;32(1):284–90

Studies on the antitumor cyclic hexapeptides obtained from Rubiae radix. Itokawa H, et al. **Chem Pharm Bull (Tokyo)** 1983 Apr;31(4):1424–7

Studies on the constituents of asclepiadaceae plants. LVI. Isolation of new antitumor-active glycosides from Dregea volubilis (L.) BENTH. Yoshimura S, et al. **Chem Pharm Bull (Tokyo)** 1983 Nov;31(11):3971–83

Potential anticancer agents XXXII. Hydroquinone from Ipomopsis aggregata. Arisawa M, et al. **J Nat Prod** 1984 Mar–Apr;47(2):393–4

Plant anticancer agents XXIX. Cleomiscosin A from Simaba multiflora, Soulamea soulameoides, and Matayba arborescens. Arisawa M, et al. **J Nat Prod** 1984 Mar–Apr; 47(2):300–7

Studies of the Thymelaeaceae II. Antineoplastic principles of Gnidia kraussiana. Borris RP, et al. **J Nat Prod** 1984 Mar–Apr;47(2):270–8

Use of potato disc and brine shrimp bioassays to detect activity and isolate piceatannol as the antileukemic principle from the seeds of Euphorbia lagascae. Ferrigni NR, et al. **J Nat Prod** 1984 Mar–Apr;47(2):347–52

Plant anticancer agents XXV. Constituents of Soulamea soulameoides. Handa SS, et al. **J Nat Prod** 1983 May–Jun; 46(3):359–64

Catharanthus alkaloids XXXVII. 16-Epi-Z-isositsirikine, a monomeric indole alkaloid with antineoplastic activity from Catharanthus roseus and Rhazya stricta. Mukhopadhyay S, et al. **J Nat Prod** 1983 May–Jun; 46(3):409–13

Plant anticancer agents XXVII: Antileukemic and cytotoxic constituents of Dirca occidentalis (Thymelaeaceae). Badawi MM, et al. **J Pharm Sci** 1983 Nov;72(11):1285–7

METABOLISM

Study of the binding of jatrophone to Escherichia coli s-ribonucleic acid. D'Alagni M, et al. **FEBS Lett** 1983 Nov 28;164(1):51–6

Microbial transformations of natural antitumor agents XXII: Conversion of bouvardin to O-desmethylbouvardin and bouvardin catechol. Petroski RJ, et al. **J Pharm Sci** 1983 Nov;72(11):1291–4

PHARMACODYNAMICS

Considerations of the structure of sesquiterpene lactones on biological activity: influence of the alpha-methylene-gamma-lactone moiety on mast cell degranulation. Elissalde MH, et al. **Am J Vet Res** 1983 Oct;44(10):1894–7

Reversibility of protein synthesis inhibition by quassinoid antineoplastic agents in a rabbit reticulocyte system. Willingham W 3d, et al. **Biochem Pharmacol** 1984 Jan 15; 33(2):330–3

Taxol stabilizes synaptosomal microtubules without inhibiting acetylcholine release. Burgoyne RD, et al. **Brain Res** 1983 Nov 28;280(1):190–3

Antitumor activity and structural characterization of glucans extracted from cultured fruit bodies of Grifola frondosa. Ohno N, et al. **Chem Pharm Bull (Tokyo)** 1984 Mar; 32(3):1142–51

Stimulation of diploid fibroblast growth with serum-free medium conditioned by mezerein-treated monocytic leukemia cells. Gaffney EV, et al. **J Leukocyte Biol** 1984 May;35(5):489–500

Antitumor agents LXIII: the effects of microlenin on nucleic acid and protein syntheses of Ehrlich ascites cells. Hall IH, et al. **J Pharm Sci** 1983 Sep;72(9):1008–11

Novel cytotoxic and antitumor agents. IV. Withaferin A: relation of its structure to the in vitro cytotoxic effects on P388 cells. Fuska J, et al. **Neoplasma** 1984;31(1):31–6

Tween-80 alters natural resistance of sarcoma-180 to bouvardin (NSC 259968). Menon R, et al. **Tumori** 1984 Feb 29;70(1):23–7

[Effect of gamma-schisandrin on metabolism of DNA, ATP and nucleoprotein of cancer cells] Liu LS, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Jun;5(2):130–2 (Eng. Abstr.) **(Chi)**

[Antitumor effect and pharmacological actions of beta-elemene isolated from the rhizome of Curcuma aromatica] Fu NW. **Chung Yao Tung Pao** 1984 Mar; 9(2):35–9 **(Chi)**

THERAPEUTIC USE

Phase I trial of vinzolidine. Budman DR, et al. **Cancer Treat Rep** 1984 Jul–Aug;68(7–8):979–82

Forskolin: a potential antimetastatic agent. Agarwal KC, et al. **Int J Cancer** 1983 Dec 15;32(6):801–4

A Phase II study of Bruceantin (NSC-165, 563) in advanced malignant melanoma. Arseneau JC, et al. **Invest New Drugs** 1983;1(3):239–42

Effect of 'liuwei dihuang decoction' on prevention and treatment of tumor. Jiang TL, et al. **J Tradit Chin Med** 1984 Mar;4(1):59–68

Pharmacology, clinical efficacy and adverse effects of vindesine sulfate, a new vinca alkaloid. Cersosimo RJ, et al. **Pharmacotherapy** 1983 Sep–Oct;3(5):259–74 (125 ref.)

Monoclonal antibody 791T/36 for tumor detection and therapy for metastases. Baldwin RW, et al. **Symp Fundam Cancer Res** 1983;36:437–55 (31 ref.)

[Antineoplastic effect of Euphorbia fischeriana Steud on mice with implanted tumor] Shen TJ. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Jan;4(1):46–7 (Eng. Abstr.) **(Chi)**

[Experimental study on antitumor effect of an extract derived from Patrinia scabra Bge] Zhang YX. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Feb;4(2):109–11 (Eng. Abstr.) **(Chi)**

[Inhibitory effects of sophocarpine on animal tumors] Li XM, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Jun;5(2):125–30 (Eng. Abstr.) **(Chi)**

[Chemotherapy of carcinoma of the respiratory and digestive tracts with vindesine sulfate. Phase II clinical trial] Domenge C, et al. **Ann Otolaryngol Chir Cervicofac** 1984; 101(2):119–21 (Eng. Abstr.) **(Fre)**

[Action of taxol on human tumors transplanted in athymic mice] Jacrot M, et al. **C R Seances Acad Sci [III]** 1983; 297(13):597–600 (Eng. Abstr.) **(Fre)**

[Determination of the effects of antineoplastic agents using a canine stomach—evaluation of an antineoplastic polysaccharide, schizophyllan (SPG)] Kawai K, et al. **Nippon Gan Chiryo Gakkai Shi** 1983 Aug 20;18(5):1135–9 (Eng. Abstr.) **(Jpn)**

[Plant lectin-dependent polymorphonuclear leukocyte-mediated cytolysis] Ikenami M, et al. **Yakugaku Zasshi** 1983 Dec;103(12):1298–302 (Eng. Abstr.) **(Jpn)**

TOXICITY

Inhibition of neurite initiation and growth by taxol. Letourneau PC, et al. **J Cell Biol** 1984 Apr;98(4):1355–62

Cytotoxicity and sister chromatid exchanges induced in vitro by six anticancer drugs developed in the People's Republic of China. Huang CC, et al. **JNCI** 1983 Oct;71(4):841–7

Relationships between the structures of taxol and baccatine III derivatives and their in vitro action on the disassembly of mammalian brain and Physarum amoebal microtubules. Lataste H, et al. **Proc Natl Acad Sci USA** 1984 Jul; 81(13):4090–4

ANTINEOPLASTICS, BOTANICAL see **ANTINEOPLASTIC AGENTS, PHYTOGENIC**

ANTINOCICEPTIVE AGENTS see **ANALGESICS**

ANTINUCLEAR FACTORS

Purified lupus antigen La recognizes an oligouridylate stretch common to the 3' termini of RNA polymerase III transcripts. Stefano JE. **Cell** 1984 Jan;36(1):145–54

The in vitro production of anti-nuclear antibodies by human peripheral blood mononuclear cells. Demonstration of T cell requirement and soluble inducing factor(s) for anti-nuclear antibodies triggering in patients with systemic lupus erythematosus. Mach PS, et al. **Clin Exp Immunol** 1984 Sep;57(3):535–40

IgG subclass distribution of autoantibodies to DNA and to nuclear ribonucleoproteins in autoimmune diseases. Zouali M, et al. **Immunology** 1984 Mar;51(3):595–600

ANALYSIS

Fatal connective tissue disease with antinuclear antibodies following PUVA therapy. Bruze M, et al. **Acta Derm Venereol (Stockh)** 1984;64(2):157–60

Autoantibodies and immunoglobulins in alcoholic steatosis and cirrhosis. Gluud C, et al. **Acta Med Scand** 1983; 214(1):61–6

Antibodies against nuclear components in schistosomiasis. Results compared to values in patients with rheumatoid arthritis, systemic lupus erythematosus, and osteoarthrosis. Bendixen G, et al. **Allergy** 1984 Feb;39(2):107–13

Reappraisal of the specificity of the Crithidia luciliae assay for nDNA antibodies: evidence for histone antibody kinetoplast binding. Deng JS, et al. **Am J Clin Pathol** 1984 Oct;82(4):448–52

A comparison of indirect immunofluorescence and the avidin–biotin–peroxidase conjugate technic (ABC) in the performance of the antinuclear antibody test. Nalesnik MA, et al. **Am J Clin Pathol** 1984 Feb;81(2):192–7

ANA testing: a comparison of two kits and a discussion of specificity and sensitivity as criteria for selection of screening procedures. Valdiserri RO, et al. **Am J Clin Pathol** 1984 Mar;81(3):308–11

Significance of a positive antinuclear antibody test in a pediatric population. Chudwin DS, et al. **Am J Dis Child** 1983 Nov;137(11):1103–6

New findings in neonatal lupus syndrome. Lee LA, et al. **Am J Dis Child** 1984 Mar;138(3):233–6

Systemic lupus erythematosus presenting as chronic serositis with no demonstrable antinuclear antibodies. Ferreiro JE, et al. **Am J Med** 1984 Jun;76(6):1100–5

Investigation of the nature and specificity of antinuclear antibody in dogs. Shull RM, et al. **Am J Vet Res** 1983 Nov;44(11):2004–8

Definition and clinical relevance of antibodies to nuclear ribonucleoprotein and other nuclear antigens in patients with cryptogenic fibrosing alveolitis. Chapman JR, et al. **Am Rev Respir Dis** 1984 Sep;130(3):439–43

Detection of antibodies to histones in human systemic lupus erythematosus and in murine lupus–like syndromes using micro–ELISA. Costa O, et al. **Ann Immunol (Paris)** 1983 May–Jun;134C(3):365–76

The neonatal lupus syndrome, autoantibodies, and connective tissue disease [editorial] Abruzzo JL. **Ann Intern Med** 1983 Nov;99(5):716–7

Prospects and problems in the definition and standardization of immunofluorescence. I. Present levels of reproducibility and disease specificity of antinuclear antibody tests. Beutner EH, et al. **Ann NY Acad Sci** 1983;420:28–34

External quality control and standardization in labeled immunoassay. Taylor RN, et al. **Ann NY Acad Sci** 1983; 420:22–7

Pemphigus vulgaris with a high titer of antinuclear antibodies [letter] Grunwald MH, et al. **Arch Dermatol** 1984 Aug; 120(8):996

Antibodies to dsDNA in connective tissue diseases measured by ultramicro enzyme–linked immunosorbent assay (ELISA) adapted to the chamber analytical technique (CAT). Wollina U. **Arch Dermatol Res** 1984;276(3):182–5

Speckled pattern antinuclear antibodies resembling anticentromere antibodies. Fritzler MJ, et al. **Arthritis Rheum** 1984 Jan;27(1):92–6

Optic neuritis, transverse myelitis, and anti–DNA antibodies nine years after thymectomy for myasthenia gravis. Goldman M, et al. **Arthritis Rheum** 1984 Jun;27(6):701–3

The importance of tissue substrate in the SS–A/Ro antigen–antibody system. Harmon CE, et al. **Arthritis Rheum** 1984 Feb;27(2):166–73

Homozygous C2 deficiency, lupus erythematosus, and anti–Ro (SSA) antibodies. Provost TT, et al. **Arthritis Rheum** 1983 Oct;26(10):1279–82

Clinical and laboratory associations of anticentromere antibody in patients with progressive systemic sclerosis. Steen VD, et al. **Arthritis Rheum** 1984 Feb;27(2):125–31

A long–term longitudinal study of anticentromere antibodies. Tramposch HD, et al. **Arthritis Rheum** 1984 Feb; 27(2):121–4

Autoantibodies to small nuclear ribonucleoproteins. A strong association between anti–SS–B(La), HLA–B8, and Sjögren's syndrome. Whittingham S, et al. **Aust NZ J Med** 1983 Dec;13(6):565–70

Epidermal nuclear fluorescence [letter] Iwatsuki K. **Br J Dermatol** 1983 Sep;109(3):370

Value of test for antinuclear antibodies in rheumatic diseases. Steven MM, et al. **Br Med J [Clin Res]** 1984 Jun 9; 288(6432):1724–5

Human anticentromere antibodies: distribution, characterization of antigens, and effect on microtubule organization. Cox JV, et al. **Cell** 1983 Nov;35(1):331–9

Lupus pleuritis. Clinical features and pleural fluid characteristics with special reference to pleural fluid antinuclear antibodies. Good JT Jr, et al. **Chest** 1983 Dec; 84(6):714–8

Values of the U.S. National Reference Serum for human antibodies to native DNA obtained with commercial immunoassays for anti–DNA in systemic lupus erythematosus. Berne BH, et al. **Clin Chem** 1984 May; 30(5):757–9

Chronic tinea pedis: presence of high serum IgE levels, anti–ICS antibody, and ANA. Ahmed AR, et al. **Clin Exp Dermatol** 1983 Jul;8(4):415–20

ANA–negative systemic lupus erythematosus. Ahmed AR, et al. **Clin Exp Dermatol** 1983 Jul;8(4):369–77

ANF–negative SLE [letter] Burge SM. **Clin Exp Dermatol** 1984 Jan;9(1):112

Measurement of antibody to poly (adenosine diphosphate–ribose): its diagnostic value in systemic lupus erythematosus. Clayton AL, et al. **Clin Exp Immunol** 1984 May;56(2):263–71

Antibodies against distinct nuclear matrix proteins are characteristic for mixed connective tissue disease. Habets WJ, et al. **Clin Exp Immunol** 1983 Oct;54(1):265–76

Marked reduction of DNA antibody production and glomerulopathy in thymulin (FTS–Zn) or cyclosporin A treated (NZB X NZW) F1 mice. Israel–Biet D, et al. **Clin Exp Immunol** 1983 Nov;54(2):359–65

The in vitro production and regulation of anti–double stranded DNA antibodies by peripheral blood mononuclear cells from normals and patients with systemic lupus erythematosus. Mach PS, et al. **Clin Exp Immunol** 1984 Aug;57(2):338–44

Anti–perinuclear and rheumatoid factor in different forms of autoimmune thyroid disease. Scherbaum WA, et al. **Clin Exp Immunol** 1984 Mar;55(3):516–8

Differential characteristics of immune–bound antibodies in diffuse proliferative and membranous forms of lupus glomerulonephritis. Roberts JL, et al. **Clin Immunol Immunopathol** 1983 Nov;29(2):223–41

Chronic active hepatitis with high level of anti–ds–DNA detected by a solid phase radioimmunoassay. Peretz A, et al. **Clin Rheumatol** 1982 Sep;1(3):208–11

Elevated ANA titers in patients with severely abnormal gastrointestinal motility. Soffer EE, et al. **Dig Dis Sci** 1984 Aug;29(8):735–9

Antinuclear antibodies in childhood diabetics. Notsu K, et al. **Endocrinol Jpn** 1983 Aug;30(4):469–73

Rapidly fatal bronchiolitis obliterans with circulating antinuclear and rheumatoid factors. Jacobs P, et al. **Eur J Respir Dis** 1984 Jul;65(5):384–8

Detection of anti–RNA antibodies in systemic lupus erythematosus by ELISA using nylon as solid support. Kumar A, et al. **Immunol Lett** 1984;7(5):293–6

Chromic chloride as a coupling agent in anti–ds DNA passive haemagglutination test—a preliminary report. Badakere SS, et al. **Indian J Med Res** 1984 Mar;79:448–50

Immune complexes in ovarian cancer: association between IgM class complexes and antinuclear autoantibodies in ascitic fluid. Silburn PA, et al. **Int Arch Allergy Appl Immunol** 1984;74(1):63–6

Antinuclear antibodies in the serum of normal pregnant women: a prospective study. Farnam J, et al. **J Allergy Clin Immunol** 1984 May;73(5 Pt 1):596–9

Hereditary hemorrhagic telangiectasia versus CREST syndrome: can serology aid diagnosis? Fritzler MJ, et al. **J Am Acad Dermatol** 1984 Feb;10(2 Pt 1):192–6

Antinuclear and anticytoplasmic antibodies. Concepts and misconceptions. Sontheimer RD, et al. **J Am Acad Dermatol** 1983 Sep;9(3):335–43

Antibodies to heterogeneous nuclear ribonucleoproteins in sera from patients with rheumatic autoimmune diseases. Zouali M, et al. **J Clin Immunol** 1984 May;4(3):209–19

Monoclonal lupus autoantibody secretion by human–human hybridomas. Selection of hybrids by conventional and novel techniques. Littman BH, et al. **J Clin Invest** 1983 Dec;72(6):1987–94

Serial estimation of anti–RNP antibody titers in systemic lupus erythematosus, mixed connective tissue disease and rheumatoid arthritis. Nishikai M, et al. **J Clin Lab Immunol** 1984 Jan;13(1):15–9

Cold reacting antinuclear antibody in Henoch–Schönlein Purpura. Saulsbury FT, et al. **J Clin Lab Immunol** 1983 Nov;12(3):123–7

A case of subacute cutaneous lupus erythematosus with a high titer of RNP antibody. Kobayashi Y, et al. **J Dermatol (Tokyo)** 1983 Dec;10(6):539–43

Monoclonal antibodies to DNA and RNA from NZB/NZW F1 mice: antigenic specificities and NH2 terminal amino acid sequences. Eilat D, et al. **J Immunol** 1984 Jul; 133(1):489–94

Antibodies from patients with mixed connective tissue disease react with heterogeneous nuclear ribonucleoprotein or ribonucleic acid (hnRNP/RNA) of the nuclear matrix. Fritzler MJ, et al. **J Immunol** 1984 Mar;132(3):1216–22

Detection of masked anti–DNA antibodies in lupus sera by a monoclonal anti–idiotype. Halpern R, et al. **J Immunol** 1984 Oct;133(4):1852–6

Selective inhibition of anti–nucleoside–specific antibody production by nucleoside–ricin A conjugate. Morimoto C, et al. **J Immunol** 1983 Oct;131(4):1762–4

A fluorimetric assay for human antibodies to all the histones. Hobbs RN, et al. **J Immunol Methods** 1983 Dec 16; 65(1–2):235–43

An improved ELISA for anti–native DNA by elimination of interference by anti–histone antibodies. Rubin RL, et al. **J Immunol Methods** 1983 Oct 28;63(3):359–66

Acute leukemia with features of systemic lupus erythematosus. Saulsbury FT, et al. **J Pediatr** 1984 Jul; 105(1):57–9

Ocular, systemic and antinuclear antibody changes with acebutolol. Hosie J, et al. **J R Coll Gen Pract** 1983 Dec; 33(257):779–82

A comparison of serologic reactivity among SLE patients with or without anti–Ro (SS–A) antibodies. Bell DA, et al. **J Rheumatol** 1984 Jun;11(3):315–7

Antibody to rheumatoid arthritis associated nuclear antigen (RANA) in familial rheumatoid arthritis. Bell DA, et al. **J Rheumatol** 1984 Jun;11(3):277–81

Anti–La/SSB antibody is present in some normal sera and is coincident with anti–Ro/SSA precipitins in systemic lupus erythematosus. Harley JB, et al. **J Rheumatol** 1984 Jun;11(3):309–14

In vivo antinuclear antibodies (ANA) in biopsies of normal skin: diagnostic significance and relation to serum ANA. Kallenberg CG, et al. **J Rheumatol** 1983 Oct;10(5):733–40

A review of solid–phase methods for detecting antibody to DNA [letter] Lea DJ, et al. **J Rheumatol** 1984 Apr; 11(2):255–6

The significance of discrepant Farr and Crithidia luciliae tests. McGuigan L, et al. **J Rheumatol** 1984 Apr;11(2):172–4

HLA antigens in black and white patients with juvenile arthritis: associations with rheumatoid factor, hidden rheumatoid factor, antinuclear antibodies, and immune complex levels. Moore TL, et al. **J Rheumatol** 1984 Apr; 11(2):188–96

SSA (Ro)–antibodies in Wegener's granulomatosis. Andrassy K, et al. **Klin Wochenschr** 1983 Sep 1;61(17):873–5

Basics in standardization and practical applications of immunofluorescent microscopy: standardization of antinuclear antibody tests. Beutner EH, et al. **Lab Res Methods Biol Med** 1983;8:49–70

Autoimmunity and laboratory testing for systemic lupus erythematosus (SLE) and allied diseases. Deodhar SD. **Lab Res Methods Biol Med** 1983;8:89–100

Antinuclear antibodies [editorial] **Lancet** 1984 Sep 15; 2(8403):611–3

Antinuclear antibodies in primary biliary cirrhosis [letter] Bernstein RM. **Lancet** 1984 Mar 3;1(8375):508

False positive VDRL and anti–Ro antibodies related to pregnancy outcome [letter] Maddison PJ, et al. **Lancet** 1984 Jan 14;1(8368):108–9

Antinuclear antibodies in primary biliary cirrhosis [letter] Powell F, et al. **Lancet** 1984 Feb 4;1(8371):288–9

The significance of IgM antinuclear antinuclear antibody in rheumatoid arthritis and other connective tissue diseases. Chellingworth MC, et al. **Rheumatol Int** 1984;4(1):23–5

Prevalence of antinuclear antibodies in patients with habitual abortion and in normal and toxemic pregnancies. Garcia–De La Torre I, et al. **Rheumatol Int** 1984;4(2):87–9

Frequency and clinical significance of anticentromere and anti scl–70 antibodies in an English connective tissue disease population [letter] Giordano M. **Rheumatol Int** 1983;3(4):187

Evidence for relationships between antiperinuclear and IgG rheumatoid factor. Youinou P, et al. **Rheumatol Int** 1984; 4(3):111–4

Antiperinuclear factor in an Italian series of patients with rheumatoid arthritis. Cassani F, et al. **Ric Clin Lab** 1983 Jul–Sep;13(3):347–52

Incidence and clinical significance of anti–ENA antibodies in systemic lupus erythematosus. Estimation by counterimmunoelectrophoresis. Clotet B, et al. **Scand J Rheumatol** 1984;13(1):15–20

Human fibroblasts, a convenient nuclear substrate for detection of anti–nuclear antibodies including anti–centromere antibodies. Kallenberg CG, et al. **Scand J Rheumatol** 1983;12(3):193–200

The 'true speckled' antinuclear antibody (ANA) pattern: its tumultuous history. Burnham TK, et al. **Semin Arthritis Rheum** 1983 Nov;13(2):155–9 (30 ref.)

Clinical significance of antibodies to Sm (Smith) and RNP (ribonucleoprotein) in patients with rheumatic diseases. Tsay GJ, et al. **Taiwan I Hsueh Hui Tsa Chih** 1984 May; 83(5):436–43

Procainamide–induced antinuclear antibodies in beagle dogs. Balazs T, et al. **Toxicol Appl Pharmacol** 1983 Nov; 71(2):299–302

[Detection of anti–SSA and anti–SSB antibodies and its clinical significance] Wu DH. **Chung Hua I Hsueh Tsa Chih** 1984 Apr;64(4):194–6 (Eng. Abstr.) **(Chi)**

[Antibodies against native (double–strand) deoxyribonucleic acid and complement fixing antibodies in generalized lupus erythematosus with affected kidneys] Dostál C, et al. **Vnitr Lek** 1984 May;30(5):417–25 (Eng. Abstr.) **(Cze)**

[Erythema annulare centrifugum and antinuclear antibodies] Elnekave FL, et al. **Ann Dermatol Venereol** 1983; 110(9):711–2 **(Fre)**

[Antinuclear antibodies and lupus induced during treatment of arterial hypertension. Role of beta–blockers and alpha–methyldopa] Homberg JC, et al. **J Pharmacol** 1983; 14 Suppl 2:61–6 (Eng. Abstr.) **(Fre)**

[Anti–SS–B antibody : marker of Gougerot–Sjögren's connective tissue disease independent of the dry syndrome] Abuaf N, et al. **Rev Med Interne** 1983 Dec;4(4):369–72 (Eng. Abstr.) **(Fre)**

[Immunological tests in lupus erythematosus] Caron C, et al. **Union Med Can** 1983 Dec;112(12):1155–8 (Eng. Abstr.) **(Fre)**

[Autoimmunity in patients with bronchogenic carcinomas: occurrence of antibodies against nuclear antigens, chromosomes and ds–deoxyribonucleic acid] Dellen H, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Sep; 177(6):451–68 (Eng. Abstr.) **(Ger)**

[Antinuclear antibodies and PUVA therapy] Cattaneo R, et al. **G Ital Dermatol Venereol** 1982 Jul–Aug;117(4):207–10 (Eng. Abstr.) **(Ita)**

[Radiographic and clinico–serologic correlations in rheumatoid arthritis] Baldelli S, et al. **Minerva Med** 1984 Feb 18;75(6):269–71 **(Ita)**

[Clinical significance of antinuclear antibodies in progressive systemic sclerosis] Scagliusi P, et al. **Minerva Med** 1984 Feb 11;75(5):161–6 (Eng. Abstr.) **(Ita)**

[Immune complex deposits(IgG–IgG–antinuclear antibody/rheumatoid factor) in tissues of NZB/W F1 mice] Takase S, et al. **Nippon Jinzo Gakkai Shi** 1983 Aug; 25(8):949–60 (Eng. Abstr.) **(Jpn)**

[Anti–double stranded DNA detection by crithidia luciliae method] Takamura T, et al. **Rinsho Byori** 1984 Jan; 32(1):100–4 **(Jpn)**

[Innovations in the determination of antinuclear antibodies and the motility of polymorphonuclear leukocytes in

rheumatic diseases] Zivković M, et al. **Reumatizam** 1983; 30(5–6):123–5 (Eng. Abstr.) **(Ser)**

[Profile of antibodies against nuclear and polynucleotide antigens in diffuse scleroderma] Zitňan D, et al. **Cas Lek Cesk** 1982 Nov 11;122(45):1392–7 (Eng. Abstr.) **(Slo)**

[The significance of antibodies to DNA nucleoprotein, complement and granulocyte phagocytosis in the production of LE cells] Horvat Z, et al. **Ljec Vjesn** 1983 Oct;105(10):396–9 (Eng. Abstr.) **(Slo)**

[Detection and clinical evaluation of antibodies against soluble nuclear antigens] Sánchez-Ibarrola A. **Allergol Immunopathol (Madr)** 1983 May–Jun;11(3):201–6 (Eng. Abstr.) **(Spa)**

[Antinuclear antibodies in sarcoidosis (letter)] de la Figuera M, et al. **Med Clin (Barc)** 1983 Dec 10;81(19):878–9 **(Spa)**

[Anti–DNA antibodies: comparison between the Crithidia luciliae technic and radioimmunoassay (Farr's technic)] Pigrau C, et al. **Med Clin (Barc)** 1984 Mar 3;82(8):349–53 (Eng. Abstr.) **(Spa)**

[Central nervous system disease and complement fixing anti–DNA antibodies (letter)] Pigrau C, et al. **Med Clin (Barc)** 1983 Jun 18;81(2):86–7 **(Spa)**

[Antinuclear antibody profile in progressive systemic sclerosis. A multicenter study] Martínez-Cordero E, et al. **Rev Invest Clin** 1983 Oct–Dec;35(4):273–7 (Eng. Abstr.) **(Spa)**

DIAGNOSTIC USE

Standardization of the immunofluorescence test for autoantibody to nuclear antigens (ANA): use of reference sera of defined antibody specificity. Molden DP, et al. **Am J Clin Pathol** 1984 Jul;82(1):57–66

GENETICS

A strong association between the antinuclear antibody anti–La (SS–B) and the kappa chain allotype Km(1). Whittingham S, et al. **Immunogenetics** 1984;19(4):295–9

In vivo effects of antibodies against a high frequency idiotype of anti–DNA antibodies in MRL mice. Teitelbaum D, et al. **J Immunol** 1984 Mar;132(3):1282–5

IMMUNOLOGY

Antinuclear factor, smooth and striated muscle antibodies in Duchenne–type muscular dystrophy. László A, et al. **Acta Paediatr Hung** 1983;24(4):331–6

Type I allergy to normal cellular constituents in chronic inflammatory bowel disease? Results from basophil histamine release test compared with total IgE and antinuclear antibodies. Elmgreen J, et al. **Allergy** 1984 Jan; 39(1):23–8

Anti–hapten antibodies and autoantibodies in Japanese patients with lepromatous leprosy. Furukawa F, et al. **Arch Dermatol Res** 1984;276(3):195–8

Anticentromere antibody and pulmonary hypertension [letter] Bernstein RM, et al. **Arthritis Rheum** 1984 Sep; 27(9):1075–6

A new serologic marker in ankylosing spondylitis. Lakomek HJ, et al. **Arthritis Rheum** 1984 Sep;27(9):961–7

Development of antinuclear antibody in patients treated with high doses of captopril. Reidenberg MM, et al. **Arthritis Rheum** 1984 May;27(5):579–81

Cellular mechanism of DNA–specific antibody synthesis by lymphocytes from systemic lupus erythematosus patients. Takeuchi T, et al. **Arthritis Rheum** 1984 Jul;27(7):766–73

In vitro complement activation by antinuclear antibodies in the epidermis from patients with systemic sclerosis. Reimer G, et al. **Br J Dermatol** 1984 Aug;111(2):169–74

Cross–reactivity of anti–DNA antibodies with proteoglycans. Faaber P, et al. **Clin Exp Immunol** 1984 Mar;55(3):502–8

Cultured human endothelial cells display an antigen that is recognized by certain human anti–chromatin autoantibodies. Horneland M, et al. **Clin Exp Immunol** 1983 Nov;54(2):373–7

Specificity of mouse hybridoma antibodies to DNA. II. Phospholipid reactivity and biological false positive serological test for syphilis. Koike T, et al. **Clin Exp Immunol** 1984 Aug;57(2):345–50

Specific autoantibody slows the rapid plasma clearance of 125I–SS–B (La) in mice. Schrieber L, et al. **Clin Exp Immunol** 1984 Jun;56(3):621–7

Long term administration of cyclophosphamide into MRL/1 mice. II. The effects on the isotype of anti–DNA antibodies and immunoglobulin secreting cells in the spleen. Shiraki M, et al. **Clin Exp Immunol** 1984 Mar;55(3):519–24

Binding of cytoskeletal proteins by monoclonal anti–DNA lupus autoantibodies. André-Schwartz J, et al. **Clin Immunol Immunopathol** 1984 May;31(2):261–71

False–negative anti–DNA antibody activity in infantile systemic lupus erythematosus (SLE). Jordan SC, et al. **J Clin Immunol** 1984 Mar;4(2):156–62

Case control study of antibodies to ENA in progressive systemic sclerosis patients. Furst DE, et al. **J Rheumatol** 1984 Jun;11(3):298–305

Profiles of antinuclear antibodies in chronic active hepatitis, primary biliary cirrhosis and alcoholic liver disease. Kurki P, et al. **Liver** 1984 Apr;4(2):134–8

The relationship of renal histopathological lesions to immunoglobulin classes and complement fixation of anti–native DNA antibodies in systemic lupus erythematosus. Hashimoto H, et al. **Scand J Rheumatol** 1983;12(3):209–14

Anti–ribonucleoprotein antibodies in inflammatory rheumatic diseases. Piirainen H, et al. **Scand J Rheumatol** 1984; 13(2):177–80

Autoantibodies to nuclear, cytoplasmic, and cytoskeletal antigens in renal allograft rejection. McCarty GA, et al. **Transplantation** 1984 May;37(5):446–51

[ANA–negative, anti–Ro–antibody positive subacute cutaneous lupus erythematosus] Lindlbauer R, et al. **Wien Klin Wochenschr** 1984 May 25;96(11):427–30 (Eng. Abstr.) **(Ger)**

[Cross–reactions of certain human antinuclear antibodies with human IgG] Shibata T, et al. **Arerugi** 1983 May; 32(5):256–67 (Eng. Abstr.) **(Jpn)**

[The characterization and application of antibodies against nucleic acids] Kitagawa Y, et al. **Tanpakushitsu Kakusan Koso** 1984 Apr;29(4):266–81 (181 ref.) **(Jpn)**

[Causes of the appearance of antinuclear antibodies in patients with rheumatoid arthritis (RA)] Chwalińska-Sadowska H, et al. **Reumatologia** 1983;21(2):113–20 (Eng. Abstr.) **(Pol)**

[Antinuclear antibodies in a case of linear scleroderma with polyarthritis (letter)] Marquet R, et al. **Med Clin (Barc)** 1983 Nov 12;81(15):693 **(Spa)**

[Clinical significance of anti–native DNA antibodies in systemic lupus erythematosus by the Crithidia luciliae method] Pigrau C, et al. **Med Clin (Barc)** 1984 Jul 14; 83(6):227–31 (Eng. Abstr.) **(Spa)**

[Antibodies to soluble nuclear antigens and native DNA in patients with connective tissue diseases with antinuclear antibodies] Damilano G, et al. **Medicina (B Aires)** 1983; 43(5):488–94 (Eng. Abstr.) **(Spa)**

ISOLATION & PURIFICATION

Vasectomy–induced autoimmunity: antisperm and antinuclear autoimmune monoclonal antibodies. Isahakia M, et al. **Am J Reprod Immunol** 1984 Apr–May;5(3):117–24

The in vivo and in vitro glomerular deposition of isolated anti–double–stranded–DNA antibodies in NZB/W mice. Dang H, et al. **Clin Immunol Immunopathol** 1984 Feb; 30(2):265–78

METABOLISM

The kinetics of [3H]–dsDNA/anti–DNA immune complex formation, binding by red blood cells, and release into serum: effect of DNA molecular weight and conditions of antibody excess. Horgan C, et al. **J Immunol** 1984 Oct; 133(4):2079–84

PHYSIOLOGY

[3H]UTP incorporation in permeabilized mouse L–cells is inhibited by antibodies directed against a structural nuclear protein. Baglia FA, et al. **Biochem Biophys Res Commun** 1984 Apr 16;120(1):256–63

URINE

Urinary excretion of antinuclear antibodies. Meryhew NL, et al. **J Rheumatol** 1983 Dec;10(6):913–9

ANTIOXIDANTS

see related

PHARMACEUTIC AIDS

Reaction of biological phenolic antioxidants with superoxide generated by cytochrome P–450 model system. Tajima K, et al. **Biochem Biophys Res Commun** 1983 Sep 30; 115(3):1002–8

Antioxidative effect of ubiquinones on mitochondrial membranes. Landi L, et al. **Biochem J** 1984 Sep 1; 222(2):463–6

Inhibition of 7,12–dimethylbenz(a)anthracene–induced rat mammary carcinogenesis by concomitant or postcarcinogen antioxidant exposure. McCormick DL, et al. **Cancer Res** 1984 Jul;44(7):2858–63

Vitamin E as an antioxidant in vitro and in vivo. Burton GW, et al. **Ciba Found Symp** 1983;101:4–18

Free radical protection: why vitamin E, not vitamin C, beta–carotene or glutathione? Willson RL. **Ciba Found Symp** 1983;101:19–44 (51 ref.)

Relative antioxidant effectiveness of alpha–tocopherol and gamma–tocopherol in iron–loaded rats. Dillard CJ, et al. **J Nutr** 1983 Nov;113(11):2266–73

Use of antioxidants in the analysis of vitamins A and E in mammalian plasma by high performance liquid chromatography. Chow FI, et al. **Lipids** 1983 Nov; 18(11):837–41

Attachment of reporter groups to specific, selected cytidine residues in RNA using a bisulfite–catalyzed transamination reaction. Draper DE. **Nucleic Acids Res** 1984 Jan 25; 12(2):989–1002

[Enzymes of the antioxidant system of rat liver during aging] Lemeshko VV, et al. **Ukr Biokhim Zh** 1983 Sep–Oct; 55(5):523–8 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

The implications of the oxidation of lipids and anti–oxidizers for sanogenesis. Segal B, et al. **Sante Publique (Bucur)** 1983; 26(2):189–99 (50 ref.)

The protective effect of combined administration of anti–oxidants and perfluorochemicals on cerebral ischemia. Suzuki J, et al. **Stroke** 1984 Jul–Aug;15(4):672–9

ADVERSE EFFECTS

Chronic neurological deficits and Nesacaine–CE—an effect of the anesthetic, 2–chloroprocaine, or the antioxidant, sodium bisulfite? Wang BC, et al. **Anesth Analg** 1984 Apr; 63(4):445–7

Allergic contact dermatitis to monotertiary–butylhydroquinone in lipgloss. van Joost T, et al. **Contact Dermatitis** 1984 Mar;10(3):189–90

Sulfites in foods and drugs. **FDA Drug Bull** 1983 Aug; 13(2):11–2

ANALYSIS

Natural antioxidants. I. Antioxidative components of tea leaf (Thea sinensis L.). Tanizawa H, et al. **Chem Pharm Bull (Tokyo)** 1984 May;32(5):2011–4

Antioxidative components of sweet potatoes. Hayase F, et al. **J Nutr Sci Vitaminol (Tokyo)** 1984 Feb;30(1):37–46

[Mechanism of the antioxidant activity of lipids] Ushkalova VN, et al. **Biull Eksp Biol Med** 1984 Aug;97(8):179–81 (Eng. Abstr.) **(Rus)**

[Migration of the transformation products of phenol inhibitors from raw and vulcanized rubbers intended for contact with food products and drinking water] Novitskaia LP, et al. **Gig Sanit** 1984 Feb;(2):80–1 **(Rus)**

BLOOD

Ceruloplasmin. Increased serum concentration and impaired antioxidant activity in cigarette smokers, and ability to prevent suppression of elastase inhibitory capacity of alpha 1–proteinase inhibitor. Galdston M, et al. **Am Rev Respir Dis** 1984 Feb;129(2):258–63

ISOLATION & PURIFICATION

Evidence for a novel antioxidant in bovine seminal plasma. Dawra RK, et al. **Biochem Int** 1984 May;8(5):655–9

METABOLISM

Antioxidant metabolism during blood storage and its relationship to posttransfusion red cell survival. Lachant NA, et al. **Am J Hematol** 1984 Oct;17(3):237–49

Abnormal antioxidant defence in some tissues of congenitally obese mice. Capel ID, et al. **Biochem J** 1984 Apr 1; 219(1):41–9

The role of lipid and antioxidant exchanges in cell division synchronization (mathematical model). Mustafin AT, et al. **Biol Cybern** 1984;49(3):149–54

Techniques for studying free radical damage in muscular dystrophy. Jackson MJ, et al. **Med Biol** 1984;62(2):135–8

beta–Carotene: an unusual type of lipid antioxidant. Burton GW, et al. **Science** 1984 May 11;224(4649):569–73

Metabolic studies in the rat with 2,4,6–tri–t–butylphenol: a haemorrhagic antioxidant structurally related to butylated hydroxytoluene. Takahashi O, et al. **Xenobiotica** 1983 May; 13(5):319–26

[Determination of total antioxidizing activity of blood plasma and cerebrospinal fluid] Spektor EB, et al. **Lab Delo** 1984; (1):26–8 (Eng. Abstr.) **(Rus)**

[Effect of hypokinesia on the indicators of the antioxidant system and free–radical oxidation in rats] Brechko VV. **Patol Fiziol Eksp Ter** 1983 Sep–Oct;(5):56–9 (Eng. Abstr.) **(Rus)**

[Indicators of phospholipase activity, lipid peroxidation and antioxidants in bronchial secretions from children with bronchopulmonary diseases] Krylov VI, et al. **Vopr Med Khim** 1984 Jan–Feb;30(1):52–5 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

PUVA–induced erythema and changes in mechanoelectrical properties of skin. Inhibition by tocopherols. Potapenko AYa, et al. **Arch Dermatol Res** 1984;276(1):12–6

Effects of antioxidants on the TBA reaction of various rat liver homogenates. Mihara M, et al. **Biochem Med** 1983 Aug;30(1):131–4

Inhibition of the A–23187–stimulated leukotriene and prostaglandin biosynthesis of rat basophil leukemia (RBL–1) cells by nonsteroidal anti–inflammatory drugs, antioxidants, and calcium channel blockers. Levine L. **Biochem Pharmacol** 1983 Oct 15;32(20):3023–6

Influence of phenylhydrazine on the antioxidant system of the erythrocytes and the liver in mice. van Caneghem P. **Biochem Pharmacol** 1984 Mar 1;33(5):717–20

Lung strips from guinea pigs as test system for lipoxygenase inhibitors. Inhibition of arachidonic acid–induced contractions by 3–t–butyl–4–hydroxyanisole and nordihydroguaiaretic acid. Slapke J, et al. **Biomed Biochim Acta** 1983;42(10):1309–18

Enhancement of gamma–aminobutyric acid (GABA) receptor binding by lipophilic antioxidants. Takahashi M, et al. **Brain Res** 1984 Mar 26;296(1):164–7

Inhibitory effect of antioxidants ethoxyquin and 2(3)–tert–butyl–4–hydroxyanisole on hepatic tumorigenesis in rats fed ciprofibrate, a peroxisome proliferator. Rao MS, et al. **Cancer Res** 1984 Mar;44(3):1072–6

The induction of ornithine decarboxylase by phorbol 12–myristate 13–acetate or by serum is inhibited by

antioxidants. Friedman J, et al. **Carcinogenesis** 1983 Nov; 4(11):1425–7

The effect of anti-oxidants and medium composition on isolation and culture of alveolar type II pneumocytes. Pochron SF, et al. **Cell Biol Int Rep** 1983 Nov;7(11):963–70

Antioxidant-stabilized amphotericin B. Beggs WH. **Diagn Microbiol Infect Dis** 1983 Dec;1(4):339–41 (10 ref.)

Comparative effects of dietary administration of antioxidants and inducers on the activities of several hepatic enzymes in mice. Cha YN, et al. **Drug Nutr Interact** 1983;2(1):35–45

Effects of flavonoids and antioxidants on 12-O-tetradecanoyl-phorbol-13-acetate-caused epidermal ornithine decarboxylase induction and tumor promotion in relation to lipoxygenase inhibition by these compounds. Nakadate T, et al. **Gann** 1984 Mar;75(3):214–22

The mechanism of action of lymphokines. VII. Modulation of the action of macrophage migration inhibitory factor by antioxidants and drugs affecting thromboxane synthesis. Jakubowski A, et al. **Immunopharmacology** 1983 Oct; 6(3):215–29

Attenuation by antioxidants of Na+/K+ ATPase inhibition by toxic concentrations of isoproterenol in cultured rat myocardial cells. Acosta D, et al. **J Mol Cell Cardiol** 1984 Mar;16(3):281–4

Role of oxygen radicals in cardiac injury due to reoxygenation. Gauduel Y, et al. **J Mol Cell Cardiol** 1984 May;16(5):459–70

Inhibition of prostaglandin synthesis in rabbit kidney medulla slices by antioxidants. Fujimoto Y, et al. **J Pharm Pharmacol** 1984 Mar;36(3):195–7

Modulation of azaserine-induced pancreatic foci by phenolic antioxidants in rats. Roebuck BD, et al. **JNCI** 1984 Jun; 72(6):1405–10

Peroxy free radicals and enzyme inactivation in radiation injury and oxygen toxicity: protection by superoxide dismutase and antioxidants? [letter] Willson RL. **Lancet** 1984 Apr 7;1(8380):804

Comparative effects of antioxidants on enzymes involved in glutathione metabolism. Ip C. **Life Sci** 1984 Jun 18; 34(25):2501–6

Effect of antioxidants on lipid peroxidation in iron-loaded rats. Dillard CJ, et al. **Lipids** 1984 Feb;19(2):127–33

Influence of oxygen tension, pro-oxidants and antioxidants on the formation of lipid peroxidation products (lipofuscin) in individual cultivated human glial cells. Thaw HH, et al. **Mech Ageing Dev** 1984 Feb;24(2):211–23

Antioxidant defence in hypoxic regions of tumours. Capel ID. **Med Biol** 1984;62(2):119–21

Role of free radicals in genetic damage (mutation). Knuutila S. **Med Biol** 1984;62(2):110–4

Inhibition of the mutagenicity of benzo[a]pyrene in the V79/HGPRT system by bioantioxidants. Paschin YuV, et al. **Mutat Res** 1984 Jul;137(1):57–9

Antimutagenic effect of an antioxidant in mammals. Renner HW. **Mutat Res** 1984 Feb;135(2):125–9

The inhibition of peroxyradical-induced chemiluminescence by melanins. Slawinska D, et al. **Physiol Chem Phys** 1983; 15(3):209–22

Effects of antioxidants on cyclooxygenase and lipoxygenase activities in intact human platelets: comparison with indomethacin and ETYA. Van Wauwe J, et al. **Prostaglandins** 1983 Nov;26(5):725–30

Dietary antioxidants and the biochemical response to oxidant inhalation. II. Influence of dietary selenium on the biochemical effects of ozone exposure in mouse lung. Elsayed NM, et al. **Toxicol Appl Pharmacol** 1983 Dec; 71(3):398–406

Effect of dimethylthiourea on paraquat toxicity in rats. Fairshter RD, et al. **Toxicol Appl Pharmacol** 1984 Jun 15; 74(1):150–4

Cytotoxicity of isoproterenol to cultured heart cells: effects of antioxidants on modifying membrane damage. Ramos K, et al. **Toxicol Appl Pharmacol** 1983 Sep 15;70(2):317–23

Effect of dietary antioxidants on benzo[a]pyrene metabolism in rat liver microsomes. Kahl R, et al. **Toxicology** 1983; 28(3):229–33

[Effects of the addition of biological antioxidants on the thiobarbituric acid (TBA) reaction] Mihara M, et al. **Yakugaku Zasshi** 1983 Aug;103(8):889–94 (Eng. Abstr.) **(Jpn)**

[Inhibition of cyclic nucleotide phosphodiesterase from the rod outer segments of the frog retina by 3-hydroxypyridine] Polianskii NB, et al. **Biol Nauki** 1984; (1):27–31 (Eng. Abstr.) **(Rus)**

[Effect of antioxidants on the release of 3H-serotonin by rat brain synaptosomes] Kovaleva ES, et al. **Biull Eksp Biol Med** 1983 Oct;96(10):55–7 (Eng. Abstr.) **(Rus)**

[Effect of the antioxidant ionol on the formation and retention of a defensive conditioned reflex during maximum physical exertion] Meerson FZ, et al. **Biull Eksp Biol Med** 1983 Sep;96(9):70–1 (Eng. Abstr.) **(Rus)**

[Antioxidants as stabilizers of cytochrome P-450 in hepatocytes] Novikov KN, et al. **Biull Eksp Biol Med** 1983 Nov;96(11):50–2 (Eng. Abstr.) **(Rus)**

[Effect of antioxidants of the 3-hydroxypyridine class on cyclic 3', 5'-adenosine monophosphate phosphodiesterase activity] Smirnov LD, et al. **Biull Eksp Biol Med** 1983 Sep; 96(9):40–2 (Eng. Abstr.) **(Rus)**

[Effect of cholesterol oxidation products, polyunsaturated fatty acids and the synthetic antioxidant ionol on experimental hypercholesterolemia in rabbits] Sogoian SM, et al. **Biull Eksp Biol Med** 1984 Jun;97(6):663–4 (Eng. Abstr.) **(Rus)**

[Effect of the geroprotector 2-ethyl-6-methyl-3-hydroxypyridine chlorhydrate on the cell proliferation of Acholeplasma laidlawii] Khokhlov AN, et al. **Dokl Akad Nauk SSSR** 1984;274(4):930–33 **(Rus)**

[Characteristics of the antioxidative action of tocopherols as natural antioxidants] Kukhtina EN, et al. **Dokl Akad Nauk SSSR** 1983;272(3):729–32 **(Rus)**

[Effects of blood stabilizers (3-oxypyridine derivatives) on erythrocyte resistance to ultrasound hemolysis] Braginskaia FI, et al. **Gematol Transfuziol** 1984 Jan;29(1):53–7 (Eng. Abstr.) **(Rus)**

[Effect of an antioxidant on the recovery of hematopoiesis and thrombocyte aggregation] Obukhova LK, et al. **Izv Akad Nauk SSSR [Biol]** 1983 Jul–Aug;(4):613–7 (Eng. Abstr.) **(Rus)**

[Role of lipid peroxidation in the pathogenesis of arrhythmias and the anti-arrhythmogenic action of antioxidants] Meerson FZ, et al. **Kardiologiia** 1984 May;24(5):61–8 (Eng. Abstr.) **(Rus)**

[Relay model of lipid peroxidation in biological membranes] Ivanov II. **Mol Biol (Mosk)** 1984 Mar–Apr;18(2):512–24 (Eng. Abstr.) **(Rus)**

[Effect of the antioxidant M-1 on the concentration of diene conjugates after maximal physical exertion] Krasikov SI, et al. **Ukr Biokhim Zh** 1984 Mar–Apr;56(2):202–4 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Antitumor studies of 2-amino-2-thiazoline and other tumor-modifying agents. Pine MJ, et al. **J Med** 1983; 14(5–6):433–49

Effects of multiple putative anticarcinogens on the carcinogenicity of trans-5-amino-3-[2-(5-nitro-2-furyl)vinyl]-1,2,4-oxadiaz Dunsford HA, et al. **JNCI** 1984 Jul;73(1):161–8

Lipid peroxidation, oxygen radicals, cell damage, and antioxidant therapy. Halliwell B, et al. **Lancet** 1984 Jun 23;1(8391):1396–7

An approach to treatment trials in muscular dystrophy with particular reference to agents influencing free radical damage. Edwards RH, et al. **Med Biol** 1984;62(2):143–7

Antioxidant therapy in neuronal ceroid-lipofuscinosis. Santavuori P, et al. **Med Biol** 1984;62(2):152–3

Principles of antioxidant therapy in neuronal ceroid lipofuscinosis. Westermarck T, et al. **Med Biol** 1984; 62(2):148–51

Potential clinical applications for high-dose nutritional antioxidants. Crary EJ, et al. **Med Hypotheses** 1984 Jan; 13(1):77–98 (170 ref.)

Experimental evaluation of the beneficial effect of an antioxidant on cerebral vasospasm. Asano T, et al. **Neurol Res** 1984 Mar–Jun;6(1–2):49–53

[Use of the synthetic antioxidant ionol for prevention of post-resuscitation myocardial damage] Dolgikh VT. **Anesteziol Reanimatol** 1983 Sep–Oct;(5):36–9 (Eng. Abstr.) **(Rus)**

[Use of antioxidants to prevent damage during acute ischemia and reperfusion of the kidneys] Bilenko MV, et al. **Biull Eksp Biol Med** 1983 Sep;96(9):8–11 (Eng. Abstr.) **(Rus)**

[Use of the antioxidant ionol to prevent damage to the heart from prolonged administration of antitubercular preparations] Iakovleva TA, et al. **Biull Eksp Biol Med** 1983 Oct;96(10):59–62 (Eng. Abstr.) **(Rus)**

[Limited area of coronary-occlusion myocardial infarct in rats undergoing antioxidant therapy] Konovalova GG, et al. **Biull Eksp Biol Med** 1984 Aug;97(8):153–6 (Eng. Abstr.) **(Rus)**

[Prevention of adrenaline-induced heart damage using the antioxidant ionol] Shimkovich MV, et al. **Biull Eksp Biol Med** 1984 Jul;97(7):16–8 (Eng. Abstr.) **(Rus)**

[Effect of water-soluble antioxidants on the permeability of lysosomal membranes and on the structure of the liver in rats with thermal burns] Zaets TL, et al. **Biull Eksp Biol Med** 1983 Oct;96(10):29–32 (Eng. Abstr.) **(Rus)**

[Role of lipid peroxidation in retinal damage during hyperbaric oxygenation and the potential of chemical protection with antioxidants] Kagan VE, et al. **Dokl Akad Nauk SSSR** 1983 Jul–Aug;271(1):227–30 **(Rus)**

[Effect of 2-ethyl-6-methyl-3-oxypyridine on the sympathetic-adrenal system of tumor carriers] Strigun LM, et al. **Dokl Akad Nauk SSSR** 1984;274(5):1266–8 **(Rus)**

[Antioxidants and the prolongation of life] Emanuél' NM. **Fiziol Zh** 1984 Jan–Feb;30(1):1–8 (Eng. Abstr.) **(Rus)**

[1st attempt at using the antioxidant dibunol in the acute stage of a myocardial infarct] Golikov AP, et al. **Kardiologiia** 1984 Jan;24(1):15–8 (Eng. Abstr.) **(Rus)**

[Use of dibunol in the therapy of ischemic heart disease] Dudchenko MA, et al. **Klin Med (Mosk)** 1984 Jun; 62(6):77–9 **(Rus)**

[Antioxidant ionol as an agent preventing post-resuscitation cardiac insufficiency] Dolgikh VT. **Patol Fiziol Eksp Ter** 1984 Jan–Feb;(1):45–50 (Eng. Abstr.) **(Rus)**

[Prevention of stress damage and increasing body endurance in physical load by chemical factors] Meerson FZ. **Patol Fiziol Eksp Ter** 1984 Jan–Feb;(1):11–9 **(Rus)**

[Experimental basis for the use of antioxidants in tuberculosis] Gurieva IG, et al. **Probl Tuberk** 1984 Apr;(4):59–64 (Eng. Abstr.) **(Rus)**

[Ionol as a drug for the prevention of cardiotoxic effect of antitubercular agents] Iakovleva TA, et al. **Probl Tuberk** 1984 Jan;(1):53–8 (Eng. Abstr.) **(Rus)**

[Effect of a complex of bioantioxidants on biochemical changes in the lens in the experimental peroxidation syndrome in the rabbit] Voskresenskaia LK. **Vestn Oftalmol** 1984 Jul–Aug;(4):66–8 (Eng. Abstr.) **(Rus)**

[Cardiohemodynamics of patients with chronic nonspecific lung diseases before and after antioxidant therapy] Bondarenko IuN. **Vrach Delo** 1984 Jul;(7):43–7 (Eng. Abstr.) **(Rus)**

TOXICITY

Effect of erythorbate on N-methyl-N'-nitro-N-nitrosoguanidine-induced stomach carcinogenesis in F344 rats. Abe I, et al. **Sci Rep Res Inst Tohoku Univ [Med]** 1983 Dec; 30(1–4):40–55

Short-term pathological and proliferative effects of butylated hydroxyanisole and other phenolic antioxidants in the forestomach of Fischer 344 rats. Nera EA, et al. **Toxicology** 1984 Sep 14;32(3):197–213

URINE

[Environmental and biological determination of N-isopropyl-N'-phenyl-p-phenylendiamine (IPPD) in a rubber vulcanization shop] Scansetti G, et al. **Med Lav** 1983 Nov–Dec;74(6):464–74 (Eng. Abstr.) **(Ita)**

ANTIPAIN see under **OLIGOPEPTIDES**

ANTIPARKINSON AGENTS

Therapeutic efficacy of tetrahydrobiopterin in Parkinson's disease. Curtius HC, et al. **Adv Neurol** 1984;40:463–6

DL-threo-3,4-dihydroxyphenylserine for freezing symptom in parkinsonism. Narabayashi H, et al. **Adv Neurol** 1984; 40:497–502

Rolipram in Parkinson's disease. Parkes JD, et al. **Adv Neurol** 1984;40:563–5

Therapeutic results with a new ergoline derivate (8-alpha-amino-ergoline, CU 32-085) in parkinsonian patients. Schneider E, et al. **Adv Neurol** 1984;40:527–9

A new selective suicide inhibitor of peripheral DOPA decarboxylase. Wajsbort J, et al. **Adv Neurol** 1984;40:251–8

L-Dopa methyl ester—a candidate for chronic systemic delivery of L-Dopa in Parkinson's disease. Cooper DR, et al. **Clin Neuropharmacol** 1984;7(1):89–98

Therapeutic experience with the new dopamine agonist CU 32-085 in advanced Parkinson's disease. Biesemeyer H, et al. **J Neurol** 1983;230(1):19–23

Unique behavioral change with cinepazide in parkinsonism. A case report. Hashimoto A, et al. **Neuropsychobiology** 1984;11(1):1–2

ADMINISTRATION & DOSAGE

Limitations of long term use of antiparkinson drugs. Yahr MD. **Can J Neurol Sci** 1984 Feb;11(1 Suppl):191–4

Controlled-release carbidopa/levodopa in the treatment of Parkinsonism. Hutton JT, et al. **Clin Neuropharmacol** 1984; 7(2):135–9

[Local muscle reaction after injection of depot neuroleptics or antiparkinson drugs. Experimental study in rabbits with injection at the same injection site] Svendsen O. **Ugeskr Laeger** 1983 Aug 29;145(35):2660–2 (Eng. Abstr.) **(Dan)**

ADVERSE EFFECTS

Erythromelalgia following pergolide administration. Monk BE, et al. **Br J Dermatol** 1984 Jul;111(1):97–9

Dyskinesias in the geriatric population. Blowers AJ, et al. **Brain Res Bull** 1983 Aug;11(2):175–8

Drug-facilitated heat stroke [letter] Tyndel F, et al. **Can Med Assoc J** 1983 Oct 1;129(7):680–1

What to do when Sinemet fails: Part one. Klawans HL. **Clin Neuropharmacol** 1984;7(2):121–33

Skin rash associated with Sinemet 25/100 [letter] Goetz CG. **N Engl J Med** 1983 Dec 1;309(22):1387–8

[An anticholinergic agent, the side effect of mouth dryness and hazards for the teeth] van Palenstein Helderman WH, et al. **Ned Tijdschr Geneeskd** 1983 Dec 17;127(51):2318–21 (Eng. Abstr.) **(Dut)**

[Drug interactions of central nervous system active drugs. 3: Drug interactions of anticonvulsants and antiparkinson agents] Estler CJ. **Fortschr Med** 1984 Feb 9;102(6):129–32 **(Ger)**

[Exogenous psychoses in Parkinson syndrome. Frequency and causal conditions] Schneider E, et al. **Fortschr Neurol Psychiatr** 1984 Jun;52(6):207–14 (Eng. Abstr.) **(Ger)**

[Neuroleptic malignant syndrome-like state in eight patients with parkinsonism] Fujitake J, et al. **Rinsho Shinkeigaku** 1984 Apr;24(4):371–8 (Eng. Abstr.) **(Jpn)**

CHEMICAL SYNTHESIS

Some new piperazino derivatives as antiparkinson and anticonvulsant agents. Agarwal JC, et al. **Arch Pharm (Weinheim)** 1983 Aug;316(8):690–4

METABOLISM

l-Glutamate reduces the affinity of [3H]N-propylnorapomorphine binding sites in striatal membranes. Fuxe K, et al. **Eur J Pharmacol** 1984 Apr 13; 100(1):127–30

PHARMACODYNAMICS

Effects of synthetic ergot derivatives on the two identifiable giant neurons, sensitive to dopamine, of Achatina fulica Ferussac. Ku BS, et al. **Comp Biochem Physiol [C]** 1983; 76(2):291–6

Evidence that apomorphine and pergolide induce rotation in rats by different actions on D1 and D2 receptor sites. Herrera-Marschitz M, et al. **Eur J Pharmacol** 1984 Feb 17;98(2):165–76

Mesulergine and its 1,20-N,N-bidemethylated metabolite interact directly with D1- and D2-receptors. Markstein R. **Eur J Pharmacol** 1983 Nov 11;95(1–2):101–7

Pharmacological, hemodynamic and autonomic nervous system mechanisms responsible for the blood pressure and heart rate lowering effects of pergolide in rats. Cavero I, et al. **J Pharmacol Exp Ther** 1984 Mar;228(3):779–91

Characterization of the neurogenic vasodilatation elicited by central dopamine receptor stimulation with pergolide. Lokhandwala MF, et al. **J Pharmacol Exp Ther** 1984 Mar; 228(3):696–703

Drugs for Parkinson's disease reduce tremor induced by physostigmine. Gothóni P, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1983 Jul; 323(3):205–10

Long-term consequences of antagonism by neuroleptics of behavioural events occurring during mesolimbic dopamine infusion. Costall B, et al. **Neuropharmacology** 1984 Mar; 23(3):287–94

Biochemical and behavioral evaluation of pergolide as a dopamine agonist in the rat brain. Jiang DH, et al. **Neuropharmacology** 1984 Mar;23(3):295–301

Chronic dihydroergotoxine treatment affects the number of dopamine recognition sites in rat striatum. Battaini F, et al. **Pharmacol Res Commun** 1984 Jun;16(6):605–11

The effect of budipine on the central serotoninergic system. Przegaliński E, et al. **Pol J Pharmacol Pharm** 1982 Nov-Dec;34(5–6):309–15

Comparison of the stimulatory effects of eight antiparkinsonian drugs. Goldschmidt PL, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(2):257–61

Mechanism and management of important psychotherapeutic drug interactions. Birkhimer LJ, et al. **South Med J** 1984 Apr;77(4):465–9

THERAPEUTIC USE

Painful dystonic spasms in Parkinson's disease. Ilson J, et al. **Adv Neurol** 1984;40:395–8

Pergolide and lisuride in advanced Parkinson's disease. Lieberman AN, et al. **Adv Neurol** 1984;40:503–7

Pergolide in the treatment of Parkinson's disease. Quinn NP, et al. **Adv Neurol** 1984;40:509–13

Treatment of Parkinson's disease with agents other than levodopa and dopamine agonists: controversies and new approaches. Lang AE. **Can J Neurol Sci** 1984 Feb;11(1 Suppl):210–20

Drug treatment of Parkinson's disease. Callaghan N. **Ir Med J** 1983 Aug;76(8):364–6

Suppression of REM rebound by Pergolide. Askenasy JJ, et al. **J Neural Transm** 1984;59(2):151–9

Local cerebral glucose utilisation in treated and untreated patients with Parkinson's disease. Rougemont D, et al. **J Neurol Neurosurg Psychiatry** 1984 Aug;47(8):824–30

False diagnosis of phaeochromocytoma in patients on Sinemet [letter] Collinson PO, et al. **Lancet** 1984 Jun 30; 1(8392):1478–9

[Treatment of patients with vascular parkinsonism with the preparations nakom and madopar] Kamenetskiĭ VK. **Klin Med (Mosk)** 1984 Apr;62(4):112–6 (Eng. Abstr.) **(Rus)**

[Parkinsonism] Stoliarova LG, et al. **Klin Med (Mosk)** 1984 May;62(5):115–20 **(Rus)**

ANTIPLASMIN

ANALYSIS

Enzyme immunoassay of alpha 2-plasmin inhibitor. Takase T, et al. **Nippon Ketsueki Gakkai Zasshi** 1984 Feb; 47(1):158–63

Determination of plasmin–alpha 2-antiplasmin complex in plasma samples by means of a radioimmunoassay. Wiman B, et al. **Scand J Clin Lab Invest** 1983 Feb;43(1):27–33

Modification of the immediate plasmin inhibition assay to secure linearity of the reference curve with the chromogenic substrate S-2251 [letter] Jespersen J, et al. **Thromb Haemost** 1984 Apr 30;51(2):298

Individual levels of plasma alpha 2-antiplasmin and alpha 2-macroglobulin during the normal menstrual cycle and in women on oral contraceptives low in oestrogen. Jespersen J, et al. **Thromb Haemost** 1983 Aug 30; 50(2):581–5

Revised reference curve for the alpha 2-antiplasmin assay by the addition of detergents [letter] Kluft C, et al. **Thromb Haemost** 1984 Apr 30;51(2):297

Platelet alpha 2-antiplasmin is located in the platelet alpha-granules. Gogstad GO, et al. **Thromb Res** 1983 Jul 15;31(2):387–90

Selective determination of alpha 2-plasmin inhibitor activity in plasma using chromogenic substrate. Matsuda T, et al. **Thromb Res** 1984 Feb 15;33(4):379–88

[Changes in alpha 2-antiplasmin as a function of meteorological conditions (letter)] Marongiu F, et al. **Presse Med** 1984 Apr 21;13(17):1099 **(Fre)**

[Clinical significance of measuring alpha2-plasmin inhibitor levels in kidney diseases] Koitabashi Y, et al. **Nippon Jinzo Gakkai Shi** 1983 Aug;25(8):1035–43 (Eng. Abstr.) **(Jpn)**

BLOOD

Alpha 2-plasmin inhibitor inactivation by human granulocyte elastase. Gramse M, et al. **Hoppe Seylers Z Physiol Chem** 1984 Jan;365(1):19–26

DEFICIENCY

Fibrin-associated plasminogen activation in alpha 2-plasmin inhibitor deficiency. Aoki N, et al. **Blood** 1983 Nov; 62(5):1118–22

Physiological endogenous fibrinolysis: its congenital abnormalities. Aoki N. **Nippon Ketsueki Gakkai Zasshi** 1983 Dec;46(7):1367–73

Genetic abnormalities of the fibrinolytic system. Aoki N. **Semin Thromb Hemost** 1984 Jan;10(1):42–50

IMMUNOLOGY

Monoclonal antibodies against plasma protease inhibitors: I. Production and characterization of 23 monoclonal antibodies against human alpha 2-antiplasmin. Herion P, et al. **Biosci Rep** 1984 Jan;4(1):39–48

Circulating plasmin-antiplasmin complexes in acute leukaemia. Galloway MJ, et al. **Clin Lab Haematol** 1983; 5(3):243–51

METABOLISM

Alpha-2-plasmin-inhibitor inactivation by human granulocyte elastase. Gramse M, et al. **Adv Exp Med Biol** 1984;167:253–61

Plasma alpha2-plasmin inhibitor levels in patients with leukemia. Kageyama T, et al. **Bull Osaka Med Sch** 1983 Jul;29(1):36–42

Factor XIII-mediated cross-linking of NH2-terminal peptide of alpha 2-plasmin inhibitor to fibrin. Ichinose A, et al. **FEBS Lett** 1983 Mar 21;153(2):369–71

The molecular form of alpha 2-antiplasmin with affinity for plasminogen is selectively bound to fibrin by factor XIII. Kluft C, et al. **Thromb Res** 1984 Feb 15;33(4):419–25

[Changes in fast antiplasmin (alpha-2-antiplasmin) activity of the plasma of thoracotomized patients] Fridrich L, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:742–4 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Histidine-rich glycoprotein and alpha 2-plasmin inhibitor in inhibition of plasminogen binding to fibrin. Ichinose A, et al. **Thromb Res** 1984 Feb 15;33(4):401–7

PHYSIOLOGY

Inhibitors of the fibrinolytic enzyme system. Aoki N, et al. **Semin Thromb Hemost** 1984 Jan;10(1):24–41 (149 ref.)

ANTIPLASMINS see **ANTIFIBRINOLYTIC AGENTS**

ANTIPLATYHELMINTIC AGENTS

ADMINISTRATION & DOSAGE

Efficacy of clorsulon for treatment of mature naturally acquired and 8-week-old experimentally induced Fasciola hepatica infections in cattle. Malone JB, et al. **Am J Vet Res** 1984 May;45(5):851–4

THERAPEUTIC USE

Praziquantel compared to hexachloroparaxylol in the treatment of far eastern liver fluke infestation of man. Ziegler K, et al. **Bull Inst Marit Trop Med Gdynia** 1982; 33(3–4):195–201

ANTIPROTOZOAL AGENTS

see related
ANTHELMINTICS
ANTI-INFECTIVE AGENTS

Inhibition of Leishmania amastigote growth by antipain and leupeptin. Coombs GH, et al. **Ann Trop Med Parasitol** 1984 Feb;78(1):21–4

Biological action of inosine analogs in Leishmania and Trypanosoma spp. Marr JJ, et al. **Antimicrob Agents Chemother** 1984 Feb;25(2):292–5

Antimicrobial, antiamoebic and antiviral screening of some Tabernaemontana species. van Beek TA, et al. **Planta Med** 1984 Apr;50(2):180–5

Toxoplasmacidal activity of Obioactin derived from hydrolyzed Toxoplasma immune bovine serum in heterologous cell cultures. Suzuki N, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 Mar; 256(3):356–66

ADVERSE EFFECTS

Adverse effects of imidocarb dipropionate (Imizol) in a dog. Abdullah AS, et al. **Vet Res Commun** 1984 Feb;8(1):55–9

CHEMICAL SYNTHESIS

[Preparation and protozoocidal properties of heterocyclic sulfides and sulfones] Jamoulle JC, et al. **Ann Pharm Fr** 1983;41(1):61–8 (Eng. Abstr.) **(Fre)**

METABOLISM

Monophosphates of formycin B and allopurinol riboside. Interactions with leishmanial and mammalian succino-AMP synthetase and GMP reductase. Spector T, et al. **Biochem Pharmacol** 1984 May 15;33(10):1611–7

[Pharmacokinetics and toxic properties of chimcocide] Khovanskikh AE, et al. **Farmakol Toksikol** 1984 Jan-Feb; 47(1):95–8 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Activity of oral drugs against Leishmania tropica in human macrophages in vitro. Berman JD, et al. **Am J Trop Med Hyg** 1983 Sep;32(5):947–51

Activity of purine analogs against Leishmania tropica within human macrophages in vitro. Berman JD, et al. **Antimicrob Agents Chemother** 1983 Aug;24(2):233–6

New micromethod to study the effect of antimicrobial agents on Toxoplasma gondii: comparison of sulfadoxine and sulfadiazine individually and in combination with pyrimethamine and study of clindamycin, metronidazole, and cyclosporin A. Mack DG, et al. **Antimicrob Agents Chemother** 1984 Jul;26(1):26–30

The effect of chemotherapy on Babesia bigemina in the tick vector Boophilus microplus. de Vos AJ, et al. **Int J Parasitol** 1984 Jun;14(3):249–52

The relevance of in vitro anthelmintic screening tests employing the free-living stages of trichostrongylid nematodes. Ibarra OF, et al. **J Helminthol** 1984 Jun; 58(2):107–12

Activity of antileishmanial agents against amastigotes in human monocyte-derived macrophages and in mouse peritoneal macrophages. Berman JD, et al. **J Parasitol** 1984 Apr;70(2):220–5

In vitro susceptibility testing of Naegleria fowleri to ketoconazole, BAYn7133, and allopurinol riboside. Smego RA Jr, et al. **J Parasitol** 1984 Apr;70(2):317–8

Fine-structural alterations in Leishmania tropica within human macrophages exposed to antileishmanial drugs in vitro. Langreth SG, et al. **J Protozool** 1983 Aug; 30(3):555–61

In vitro response of Blastocystis hominis to antiprotozoal drugs. Zierdt CH, et al. **J Protozool** 1983 May;30(2):332–4

Action of a new floxacrine derivative (S 82 5455) on asexual stages of Plasmodium berghei: a light and electron microscopical study. Raether W, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 Mar; 256(3):335–41

THERAPEUTIC USE

Trypanosoma cruzi: efficacy of the 2-substituted, 5-nitroimidazoles, MK-436 and L634,549, in tissue culture and mice. Murray PK, et al. **Am J Trop Med Hyg** 1983 Nov;32(6):1242–50

Antileishmanial activity of liposome-encapsulated meglumine antimonate in the dog. Chapman WL Jr, et al. **Am J Vet Res** 1984 May;45(5):1028–30

Phase 1 tolerability and antiamoebic activity studies with 1-methylsulphonyl-3-(1-methyl-5-nitro-2-imidazolyl)-2-(Go.10213): a new antiprotozoal agent. Vaidya AB, et al. **Br J Clin Pharmacol** 1983 Nov;16(5):517–22

Trypanosoma cruzi: 4-aminopyrazolopyrimidine in the treatment of experimental Chagas' disease. Avila JL, et al. **Exp Parasitol** 1983 Oct;56(2):236–40

Treatment of cutaneous leishmaniasis in Saudi Arabia. Fattah AA, et al. **J Egypt Soc Parasitol** 1983 Jun;13(1):9–17

Beta-interferon inhibits cell infection by Trypanosoma cruzi. Kierszenbaum F, et al. **J Immunol** 1984 Feb;132(2):905–8

Toxicity and efficacy of the antileishmanial drug meglumine antimoniate in the owl monkey (Aotus trivirgatus). Chapman WL Jr, et al. **J Parasitol** 1983 Dec;69(6):1176–7

A comparison of the efficacy of isometamidium, amicarbalide and diminazene against Babesia canis in dogs and the effect on subsequent immunity. Stewart CG. **J S Afr Vet Assoc** 1983 Mar;54(1):47–51

Chemotherapy of Babesia divergens in the gerbil, Meriones unguiculatus. Gray JS. **Res Vet Sci** 1983 Nov;35(3):318–24

Chemoprophylaxis with diminazene aceturate in experimental Babesia bigemina infection in cattle. Sharma SP, et al. **Res Vet Sci** 1984 Jul;37(1):126–7

Treatment with suramin and 2-substituted 5-nitroimidazoles of chronic murine Trypanosoma brucei infections with central nervous system involvement. Jennings FW, et al. **Trans R Soc Trop Med Hyg** 1983;77(5):693–8

Studies on the activity of Obioactin with acetylspiramycin on mice infected with Toxoplasma gondii. Suzuki N, et al. **Zentralbl Bakteriol Mikrobiol Hyg** [A] 1984 Mar; 256(3):367–80

[Treatment of toxoplasmosis] Terragna A, et al. **G Ital Chemioter** 1984 Jan–Aug;31(1–2):7–15 (51 ref.) (Eng. Abstr.) **(Ita)**

[Clinical study of the anti-parasitic activity of BPH 3004 (Mitigal spray) in scabies and pubic pediculosis] Bottoli A. **G Ital Dermatol Venereol** 1984 Mar–Apr;119(2):I–III (Eng. Abstr.) **(Ita)**

TOXICITY

2-amino-5-nitrothiazole. **IARC Monogr Eval Carcinog Risk Chem Hum** 1983 Jul; 31:71–7

Nithiazide. **IARC Monogr Eval Carcinog Risk Chem Hum** 1983 Jul;31:179–83

Parasite enzymes as potential targets for antiparasitic chemotherapy. Wang CC. **J Med Chem** 1984 Jan;27(1):1–9 (121 ref.)

Evaluation of the teratogenic potential in Ciba–Geigy Go 10213, a new nitroimidazole derivative: 1-methane-sulphonyl-3-(1-methyl-5-nitro-1H-imidazole imidazolidinone, an amoebicide, trichomonicide and giardicide, in giardicide, in rats. Rao RR, et al. **Toxicology** 1983 Dec;29(1–2):157–61

ANTIPRURITICS see under **DERMATOLOGIC AGENTS**

ANTIPSYCHOTIC AGENTS see **TRANQUILIZING AGENTS, MAJOR**

ANTIPYRETICS see **ANALGESICS, ANTI-INFLAMMATORY**

ANTIPYRINE

ANALOGS & DERIVATIVES

A method for measurement of arterial concentration of cerebral blood flow tracer for autoradiographic experiments. Menon D, et al. **Can J Neurol Sci** 1984 Aug; 11(3):380–2

Influence of blood proteins on biomedical analysis. VI. Effect of bovine serum albumin on the color reaction of xanthurenic acid with 4-aminoantipyrine—inhibition of antipyrine red production by bovine serum albumin. Sakoguchi T, et al. **Chem Pharm Bull (Tokyo)** 1984 Mar; 32(3):1219–23

Evaluation of [18F]-4-fluoroantipyrine as a new blood flow tracer for multiradionuclide autoradiography. Sako K, et al. **J Cereb Blood Flow Metab** 1984 Jun;4(2):259–63

Automated high-performance liquid chromatographic determination of antipyrine and its main metabolites in plasma, saliva and urine, including 4,4'-dihydroxyantipyrine. Teunissen MW, et al. **J Chromatogr** 1983 Dec 9;278(2):367–78

Quantitation of norantipyrine sulphate and norantipyrine glucuronide as major metabolites of antipyrine in man and rat. Böttcher J, et al. **J Pharm Pharmacol** 1984 Jun; 36(6):391–8

[Pellagra in morazone abuse] Kingreen JC, et al. **Z Hautkr** 1984 May 1;59(9):573–7 (Eng. Abstr.) **(Ger)**

ANALYSIS

Automated high-performance liquid chromatographic determination of antipyrine and its main metabolites in plasma, saliva and urine, including 4,4'-dihydroxyantipyrine. Teunissen MW, et al. **J Chromatogr** 1983 Dec 9;278(2):367–78

ANTAGONISTS & INHIBITORS

Factors affecting the response to inhibition of drug metabolism by cimetidine—dose response and sensitivity of elderly and induced subjects. Feely J, et al. **Br J Clin Pharmacol** 1984 Jan;17(1):77–81

BLOOD

Comparative effects of famotidine and cimetidine on antipyrine kinetics in healthy volunteers [letter] Staiger C, et al. **Br J Clin Pharmacol** 1984 Jul;18(1):105–6

Interrelationships in mice of antipyrine half-life, hepatic monooxygenase activities and liver S9-mediated mutagenicity of aflatoxin B1, benzo[alpha]pyrene 7,8-dihydrodiol, 2-acetylaminofluorene and N-nitrosomorpholine. Roberfroid MB, et al. **Chem Biol Interact** 1983 Nov;47(2):175–94

Influence of blood proteins on biomedical analysis. VI. Effect of bovine serum albumin on the color reaction of xanthurenic acid with 4-aminoantipyrine—inhibition of antipyrine red production by bovine serum albumin. Sakoguchi T, et al. **Chem Pharm Bull (Tokyo)** 1984 Mar; 32(3):1219–23

An alternative protein precipitation method for antipyrine estimation in plasma. Khanduja KL, et al. **Clin Chim Acta** 1983 Nov 30;135(1):95–8

Multiple dose pharmacokinetics of ketoconazole and their effects on antipyrine kinetics in man. Daneshmend TK, et al. **J Antimicrob Chemother** 1983 Aug;12(2):185–8

Simple reversed-phase high-performance liquid chromatographic determination of antipyrine in rabbit plasma for pharmacokinetic studies. De Beer JO, et al. **J Chromatogr** 1984 May 11;307(2):475–80

Simplified high performance liquid chromatographic quantitation of antipyrine. Weber A, et al. **J Chromatogr Sci** 1984 Jun;22(6):239–40

Non-steady state placental transfer of highly diffusible molecules. Wilkening RB, et al. **J Dev Physiol** 1984 Apr; 6(2):121–9

DIAGNOSTIC USE

[Study of liver function by antipyrine clearance] Chrétien P, et al. **LARC Med** 1983 Aug–Sep;3(7):504–7 **(Fre)**

[Usefulness of the determination of bile acids in the blood and antipyrine elimination in the diagnosis of minimal liver damage] Habior A. **Przegl Lek** 1983;40(5):431–4 (Eng. Abstr.) **(Pol)**

METABOLISM

Effects of parenteral nutritional regimens on oxidative drug metabolism. Pantuck EJ, et al. **Anesthesiology** 1984 Jun; 60(6):534–6

The effect of anti-cancer drugs on pharmacokinetics of antipyrine in vitamin A deficiency. Khanduja KL, et al. **Biochem Pharmacol** 1984 Feb 1;33(3):449–52

Effect of acute cocaine administration on the metabolism of antipyrine in vivo. Kloss MW, et al. **Biochem Pharmacol** 1983 Dec 15;32(24):3871–3

Variants of human microsomal enzymes. Davies DS, et al. **Biochem Soc Trans** 1983 Aug;11(4):459–60

A new polymorphism of hepatic drug oxidation in man: family studies on rates of formation of antipyrine metabolites. Vessell ES, et al. **Biochem Soc Trans** 1984 Feb; 12(1):74–8

The influence of vitamin C on antipyrine pharmacokinetics in elderly men. Blanchard J, et al. **Biopharm Drug Dispos** 1984 Jan–Mar;5(1):43–54

Effect of water deprivation on antipyrine disposition kinetics in rats. Prasad PP, et al. **Biopharm Drug Dispos** 1984 Apr–Jun;5(2):195–8

Effect of chloroquine and primaquine on antipyrine metabolism. Back DJ, et al. **Br J Clin Pharmacol** 1983 Nov; 16(5):497–502

The effects of astemizole on antipyrine clearance [letter] Bateman DN, et al. **Br J Clin Pharmacol** 1983 Dec; 16(6):759–60

Dietary influences on the kinetics of antipyrine and aminopyrine in human subjects. Krishnaswamy K, et al. **Br J Clin Pharmacol** 1984 Feb;17(2):139–46

Reduction of antipyrine clearance in psoriasis. Marsden JR, et al. **Br J Clin Pharmacol** 1984 Mar;17(3):331–3

Impaired enzyme induction by rifampicin in the elderly [letter] Twum-Barima Y, et al. **Br J Clin Pharmacol** 1984 May;17(5):595–7

Antipyrine clearance during experimental and occupational exposure to toluene. Døssing M, et al. **Br J Ind Med** 1983 Nov;40(4):466–9

Effect of hemochromatosis on hepatic cytochrome P450 and antipyrine metabolism in humans [letter] Bonkovsky HL, et al. **Clin Chem** 1984 Aug;30(8):1430–1

Ranitidine does not impair oxidative or conjugative metabolism: noninteraction with antipyrine, diazepam, and lorazepam. Abernethy DR, et al. **Clin Pharmacol Ther** 1984 Feb;35(2):188–92

Hepatic drug metabolism and physical fitness. Boel J, et al. **Clin Pharmacol Ther** 1984 Jul;36(1):121–6

Theophylline metabolism in relation to antipyrine, debrisoquine, and sparteine metabolism. Dahlqvist R, et al. **Clin Pharmacol Ther** 1984 Jun;35(6):815–21

Cimetidine-induced reduction in gastrointestinal absorption of antipyrine and rate constants for formation of its metabolites. Slusher LB, et al. **Clin Pharmacol Ther** 1984 May;35(5):568–75

Correlation between antipyrine clearance and cytochrome P-450 level after phenobarbital induction in rat. Chang SL, et al. **Drug Metab Dispos** 1984 Jan–Feb;12(1):139–41

Effects of model traumatic injury on hepatic drug metabolism in the rat. I. In vivo antipyrine metabolism. Griffeth LK, et al. **Drug Metab Dispos** 1983 Nov–Dec;11(6):517–25

Effect of whole-body irradiation on the half-life of antipyrine and on the microsomal enzyme system of rats. Correlation between in vivo and in vitro results. Thiriot C, et al. **Enzyme** 1983;30(3):205–8

Effect of single and multiple doses of sulphinpyrazone on antipyrine metabolism and urinary excretion of 6-beta-hydroxycortisol. Staiger C, et al. **Eur J Clin Pharmacol** 1983;25(6):797–801

Scaling of antipyrine intrinsic clearance of unbound drug in 15 mammalian species. Boxenbaum H, et al. **Eur J Drug Metab Pharmacokinet** 1984 Apr–Jun; 9(2):177–83

Pharmacoanthropology: drug metabolism. Kalow W. **Fed Proc** 1984 May 15;43(8):2326–31

A new polymorphism of hepatic drug oxidation in humans: family studies of antipyrine metabolites. Vesell ES, et al. **Fed Proc** 1984 May 15;43(8):2342–7

Effects of oral methoxy-psoralen photochemotherapy (PUVA) on liver function and antipyrin kinetics. Chretien P, et al. **Int J Clin Pharmacol Res** 1983;3(5):343–7

Effect of the thromboxane synthetase inhibitor Dazoxiben (UK 37-248) on the metabolism of antipyrine in patients with enhanced platelet aggregation. Staiger C, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 May;22(5):250–3

Ibuprofen does not impair antipyrine clearance. Abernethy DR, et al. **J Clin Pharmacol** 1983 Nov–Dec; 23(11–12):517–22

Inhibitory effect of isoniazid on antipyrine clearance in man. Grech-Belanger O, et al. **J Clin Pharmacol** 1983 Nov–Dec; 23(11–12):540–4

Quantitation of norantipyrine sulphate and norantipyrine glucuronide as major metabolites of antipyrine in man and rat. Böttcher J, et al. **J Pharm Pharmacol** 1984 Jun; 36(6):391–8

Effect of omeprazole and polyethylene glycol-400 on antipyrine elimination by the isolated perfused rat liver. Webster LK, et al. **J Pharm Pharmacol** 1984 Jul;36(7):470–2

Effect of renal failure and bis(2-ethylhexyl) phthalate pretreatment on the disposition and metabolism of antipyrine in the rat. Pollack GM, et al. **J Pharm Sci** 1984 Jan;73(1):29–33

Solvent drag in jejunal absorption of salicylic acid and antipyrine obtained by in situ single-pass perfusion method in rat. Hirasawa T, et al. **J Pharmacobiodyn** 1984 Apr; 7(4):246–53

Correlation between the in vivo metabolism of hexobarbital and antipyrine in rats. van der Graaff M, et al. **J Pharmacol Exp Ther** 1983 Nov;227(2):459–65

Differential effects of isoniazid and oral contraceptive steroids on antipyrine oxidation and acetaminophen conjugation. Ochs HR, et al. **Pharmacology** 1984; 28(4):188–95

Absence of effect of propoxyphene on antipyrine kinetics in the rabbit. Paxton JW. **Pharmacology** 1983;27(4):241–4

A one-sample method for antipyrine clearance determination in rats. Pilsgaard H, et al. **Pharmacology** 1984;29(2):110–6

Influence of prednisolone on antipyrine and chloramphenicol disposition in rabbits. Shukla VK, et al. **Pharmacology** 1984; 29(2):117–20

Correlation between the in vivo metabolism of hexobarbital and antipyrine in rats with a portacaval shunt. van der Graaff M, et al. **Pharmacology** 1984;29(2):99–109

Influence of cigarette smoke on antipyrine metabolite formation in rats. Nakagawa A, et al. **Res Commun Chem Pathol Pharmacol** 1983 Sep; 41(3):473–91

Dose-dependent pharmacokinetics of antipyrine in the rat. Pollack GM, et al. **Res Commun Chem Pathol Pharmacol** 1984 Apr;44(1):69–81

Serum LDL cholesterol, the LDL/HDL cholesterol ratio and liver microsomal enzyme induction evaluated by antipyrine kinetics. Luoma PV, et al. **Scand J Clin Lab Invest** 1983 Dec;43(8):671–5

Effect of chronic exposure to carbon disulfide on biotransformation of phenazone in rabbits. Orzechowska-Juzwenko K, et al. **Toxicol Lett** 1984 Aug; 22(2):171–4

Effects of xylene exposure on the metabolism of antipyrine in vitro and in vivo in the rat. Toftgård R. **Toxicology** 1983 Sep;28(1–2):117–31

Pharmacokinetics of antipyrine, paracetamol, and morphine in rat at 71 ATA. Aanderud L, et al. **Undersea Biomed Res** 1983 Sep;10(3):193–201

The effect of bromazepam (Lexotan) administration on antipyrine pharmacokinetics in humans. Allen JG, et al. **Xenobiotica** 1984 Apr;14(4):321–6

Influence of 9-hydroxyellipticine and 3-methylcholanthrene treatment on antipyrine metabolite formation in rats in vivo. Teunissen MW, et al. **Xenobiotica** 1983 Apr;13(4):223–31

Influence of allylisopropylacetamide and phenobarbital treatment on in vivo antipyrine metabolite formation in rats. Teunissen MW, et al. **Xenobiotica** 1983 Aug; 13(8):497–502

[Effect of metronidazole on phenazone metabolism] Staiger C, et al. **Arzneimittelforsch** 1984;34(1):89–91 (Eng. Abstr.) **(Ger)**

[Determination of hepatic metabolic capacity: antipyrine pharmacokinetics in circulatory liver damage due to cardiac insufficiency] Kettner W, et al. **Dtsch Z Verdau Stoffwechselkr** 1983;43(6):255–66 (Eng. Abstr.) **(Ger)**

[Effect of labetalol on antipyrine metabolism in the liver] Adamska-Dyniewska H, et al. **Pol Arch Med Wewn** 1984 Mar;71(3):149–55 (Eng. Abstr.) **(Pol)**

[Effect of beta-adrenolytic drugs on hepatic clearance of antipyrine] Adamska-Dyniewska H, et al. **Pol Arch Med Wewn** 1984 Feb;71(2):71–7 (Eng. Abstr.) **(Pol)**

[Pharmacokinetics of phenazone as an indicator of the metabolic capacity of the liver in patients with hyperthyroidism] Orzechowska-Juzwenko K, et al. **Pol Tyg Lek** 1983 May 16–23;38(20–21):643–5 (Eng. Abstr.) **(Pol)**

THERAPEUTIC USE

[Possibilities for optimizing therapy with theophylline preparations. III. Ventilatory effect and pharmacokinetics of 'new' Pulmophyllin] Kandt D, et al. **Z Erkr Atmungsorgane** 1984;162(1):18–25 (Eng. Abstr.) **(Ger)**

ANTISCHISTOSOMAL AGENTS see **SCHISTOSOMICIDES**

ANTISEPSIS

Multidose medication vial sterility: an in-use study and a review of the literature. Longfield R, et al. **Infect Control** 1984 Apr;5(4):165–9

Aseptic techniques for AIDS [letter] Evans BE. **J Am Dent Assoc** 1983 Nov;107(5):706, 708

Pseudobacteremia due to contaminated alcohol swabs. Berger SA. **J Clin Microbiol** 1983 Oct;18(4):974–5

Maternal–fetal absorption of povidone–iodine [letter] Bachrach LK, et al. **J Pediatr** 1984 Jan;104(1):158–9

Effects of discontinuing cover gowns on a postpartal ward upon cord colonization of the newborn. Renaud MT. **JOGN Nurs** 1983 Nov–Dec;12(6):399–401

Clean vs. sterile tracheotomy care and level of pulmonary infection. Harris RB, et al. **Nurs Res** 1984 Mar–Apr; 33(2):80–5

[Hygienic conditions in anesthesiology departments and intensive care units (a prospective multicentric survey)] Széll K, et al. **Orv Hetil** 1984 Jul 15;125(29):1737–44 (Eng. Abstr.) **(Hun)**

[Laboratory criteria of the effectiveness of sanitization of cardiac chambers during the surgical treatment of infectious endocarditis] Badurov BSh. **Vestn Khir** 1984 Mar;132(3):10–2 (Eng. Abstr.) **(Rus)**

HISTORY

The surgical garb. Doberneck RC, et al. **Surgery** 1984 Jun; 95(6):694–8

[The man behind the syndrome: Friedrich Horner. The first to introduce antiseptic treatment in ophthalmology] **Lakartidningen** 1984 Mar 21;81(12):1165–7 **(Swe)**

METHODS

A necropsy technique for cattle to eliminate contamination of lymph nodes by mycobacteria. Norton JH, et al. **Aust Vet J** 1984 Mar;61(3):75–6

Asepsis and out–patient cystoscopy. Fozard JB, et al. **Br J Urol** 1983 Dec;55(6):680–3

Focus on vial sterility. Eggleston M. **Infect Control** 1984 Apr; 5(4):163–4

Postmilking teat antisepsis. Pankey JW. **Vet Clin North Am [Large Anim Pract]** 1984 Jul;6(2):335–48

[Comparison of 2 antiseptic soaps used for preoperative showers] Enjalbert L, et al. **Pathol Biol (Paris)** 1984 Jun; 32(5 Pt 2):604–6 (Eng. Abstr.) **(Fre)**

[Antisepsis of the hand in the preparation of the surgical team] Guimarães JS, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1983 Sep–Oct; 38(5):206–11 (Eng. Abstr.) **(Por)**

[Treatment of suppurative wounds in a controlled bacterial environment] Kostiuchenok BM, et al. **Vestn Akad Med Nauk SSSR** 1983;(8):69–73 (Eng. Abstr.) **(Rus)**

[Soft contact lenses: study of bacterial contamination and the mechanisms of asepsis] Vergés Roger C, et al. **Med Clin (Barc)** 1983 Oct 15;81(11):475–6 (Eng. Abstr.) **(Spa)**

STANDARDS

Control of the aseptic processing environment. Frieben WR. **Am J Hosp Pharm** 1983 Nov;40(11):1928–35

A nursing practice problem: failure to observe aseptic technique. McLane C, et al. **Am J Infect Control** 1983 Oct; 11(5):178–82

Demise of aseptic barrier committee: success and failure. Beck W, et al. **AORN J** 1983 Sep;38(3):384–8

Effect of catheter tunnelling and a nutrition nurse on catheter sepsis during parenteral nutrition. A controlled trial. Keohane PP, et al. **Lancet** 1983 Dec 17;2(8364):1388–90

ANTISEPTICS see **ANTI-INFECTIVE AGENTS, LOCAL**

ANTISEPTICS, URINARY see **ANTI-INFECTIVE AGENTS, URINARY**

ANTISERA see **IMMUNE SERA**

ANTISEROTONERGIC AGENTS see **SEROTONIN ANTAGONISTS**

ANTISICKLING AGENTS

Alternative diaspirins for modification of hemoglobin and sickle hemoglobin. Delaney EJ, et al. **Arch Biochem Biophys** 1984 Feb 1;228(2):627–38

Antisickling effect of tellurite: a potent membrane–acting agent in vitro. Asakura T, et al. **Blood** 1984 Jul;64(1):305–7

Substituted benzaldehydes designed to increase the oxygen affinity of human haemoglobin and inhibit the sickling of sickle erythrocytes. Beddell CR, et al. **Br J Pharmacol** 1984 Jun;82(2):397–407

A potent new dipeptide inhibitor of cell sickling and haemoglobin S gelation. Franklin IM, et al. **Eur J Biochem** 1983 Oct 17;136(1):209–14

ADMINISTRATION & DOSAGE

The sickling process in relation to clinical manifestations. Bellingham AJ. **J Clin Pathol [Suppl] (R Coll Pathol)** 1974; (8):23–5

Management of sickle-cell disease. Stuart J. **J Clin Pathol [Suppl] (R Coll Pathol)** 1974;(8):26–31

BLOOD

Design, synthesis, and testing of potential antisickling agents. 3. Ethacrynic acid. Kennedy PE, et al. **J Med Chem** 1984 Feb;27(2):103–5

CHEMICAL SYNTHESIS

Design, synthesis, and testing of potential antisickling agents. 4. Structure–activity relationships of benzyloxy and phenoxy acids. Abraham DJ, et al. **J Med Chem** 1984 Aug; 27(8):967–78

Synthesis of pyridine derivatives of L-phenylalanine as antisickling reagents. Altman J, et al. **J Med Chem** 1984 May;27(5):596–600

Diaspirins of methylenecitric acid. Massil SE, et al. **J Pharm Sci** 1984 Mar;73(3):418–20

PHARMACODYNAMICS

The mechanism of action of two anti-sickling agents: sodium cyanate and glyceraldehyde. Manning JM, et al. **Am J Pediatr Hematol Oncol** 1984 Spring;6(1):51–4

Cetiedil inhibition of calmodulin-stimulated enzyme activity. Levine SN, et al. **Biochem Pharmacol** 1984 Feb 15; 33(4):581–4

[Effects of 3 varieties of antisickling substances measured by ektacytometry as a function of oxygen pressure] Feo CJ, et al. **C R Seances Acad Sci [III]** 1983;296(19):911–6 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Current status of methyl acetimidate as an extracorporeal antisickling agent. Chao TL, et al. **Am J Pediatr Hematol Oncol** 1984 Spring;6(1):55–8

Measurement of red cell sickling: a method for studying the efficacy of antisickling drugs under physiological conditions. Ohnishi ST, et al. **Can J Physiol Pharmacol** 1983 Aug;61(8):941–5

ANTISOCIAL PERSONALITY DISORDER

[Psychopathology of the interaction and victimology in the dynamics of dissociability] Pirozynski T, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Jan–Mar;87(1):9–12 **(Fre)**

BLOOD

Serum cholesterol in aggressive conduct disorder: a preliminary study. Virkkunen M, et al. **Biol Psychiatry** 1984 Mar;19(3):435–9

Serum cholesterol levels in homicidal offenders. A low cholesterol level is connected with a habitually violent tendency under the influence of alcohol. Virkkunen M. **Neuropsychobiology** 1983;10(2–3):65–9

CEREBROSPINAL FLUID

Low cerebrospinal fluid 5-hydroxyindoleacetic acid concentration differentiates impulsive from nonimpulsive violent behavior. Linnoila M, et al. **Life Sci** 1983 Dec 26; 33(26):2609–14

CHEMICALLY INDUCED

[Alcohol in the psychopathology of homicide and robberies] Kramarz E. **Ann Acad Med Stetin** 1983;29:305–21 (44 ref.) (Eng. Abstr.) **(Pol)**

CLASSIFICATION

Derivation, validation and application of an MMPI-based system for classifying criminal offenders. Megargee EI. **Med Law** 1984;3(2):109–18

COMPLICATIONS

Natural history of male alcoholism V: is alcoholism the cart or the horse to sociopathy? Vaillant GE. **Br J Addict** 1983 Sep;78(3):317–26

[Neurosis–like and psychopath–like disorders in mild retardation in childhood and adolescence] Gus'kov VS, et al. **Zh Nevropatol Psikhiatr** 1983;83(10):1556–8 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Histrionic personality and antisocial personality: caricatures of stereotypes? Slavney PR. **Compr Psychiatry** 1984 Mar–Apr;25(2):129–41

Law & psychiatry. Death, the expert witness, and the dangers of going Barefoot. Appelbaum PS. **Hosp Community Psychiatry** 1983 Nov;34(11):1003–4

The Bianchi (L. A. Hillside Strangler) case: sociopath or multiple personality? Watkins JG. **Int J Clin Exp Hypn** 1984 Apr;32(2):67–101

Dangerousness at Karsudden. Ertmann B, et al. **Int J Law Psychiatry** 1983;6(1):125–9

Performance of psychopaths on cognitive tasks related to frontal lobe function. Hare RD. **J Abnorm Psychol** 1984 May;93(2):133–40

Generalizability of a checklist for assessment of psychopathy. Schroeder ML, et al. **J Consult Clin Psychol** 1983 Aug; 51(4):511–6

Antisocial personality—diagnosis or moral judgment? Weinstock R, et al. **J Forensic Sci** 1984 Apr;29(2):557–65

Childhood cruelty to animals, firesetting, and enuresis as correlates of competence to stand trial. Heller MS, et al. **J Gen Psychol** 1984 Apr;110(2d Half):151–3

The fakability of subtle and obvious measures of aggression by male prisoners. Posey CD, et al. **J Pers Assess** 1984 Apr;48(2):137–44

Psychological test evidence in the criminal courts. A case study. Cox FN. **Med Law** 1984;3(2):163–70

The pseudopsychopathic personality and the limbic system. Peters UH. **Neurosci Biobehav Rev** 1983 Fall;7(3):409–11

The MMPI'S of left- and right-handed subjects. Watson CG, et al. **Percept Mot Skills** 1983 Oct;57(2):487–90

Profile of dangerous and non-dangerous offenders referred for pre-trial psychiatric assessment. Valliant PM, et al. **Psychol Rep** 1984 Apr;54(2):411–8

[Diagnosis of asocial, aggressive behavior—experiences with Petermann and Petermann's 'EAS'] Zimmermann W. **Psychiatr Neurol Med Psychol (Leipz)** 1983 Nov; 35(11):687–94 (Eng. Abstr.) **(Ger)**

[Problem of defining psychopathies and so-called preclinical states in borderline psychiatry] Korolev VV. **Zh Nevropatol Psikhiatr** 1983;83(11):1695–9 (Eng. Abstr.) **(Rus)**

[Clinical picture and dynamics of mosaic variants of schizoid (autistic) psychopathy in childhood and adolescence] Ledenev BA, et al. **Zh Nevropatol Psikhiatr** 1983; 83(10):1526–33 (Eng. Abstr.) **(Rus)**

[Psychopath–like equivalents of depression in children and adolescents] Sosiukalo OD, et al. **Zh Nevropatol Psikhiatr** 1983;83(10):1522–6 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Methylphenidate in the treatment of aggression in two patients with antisocial personality disorder. Stringer AY, et al. **Am J Psychiatry** 1983 Oct;140(10):1365–6

ETIOLOGY

Problems of studying antisocial behavior. Offord DR, et al. **Psychiatr Dev** 1983 Summer;1(2):207–24 (82 ref.)

FAMILIAL & GENETIC

Childhood and family background of killers seen for psychiatric assessment: a controlled study. Langevin R, et al. **Bull Am Acad Psychiatry Law** 1983;11(4):331–41

Depression spectrum disease or character spectrum disorder? A clinical study of major depressives with familial alcoholism or sociopathy. Van Valkenburg C, et al. **Compr Psychiatry** 1983 Nov–Dec;24(6):589–95

Biological factors and crime: implications for forensic psychiatry. Mednick SA, et al. **Int J Law Psychiatry** 1983; 6(1):1–15

Demographic, individual, and family relationship correlates of serious and repeated crime among adolescents and their siblings. Hanson CL, et al. **J Consult Clin Psychol** 1984 Aug;52(4):528–38

Genetic influences in criminal convictions: evidence from an adoption cohort. Mednick SA, et al. **Science** 1984 May 25;224(4651):891–4

OCCURRENCE

The epidemiology of abnormal homicide and murder followed by suicide. Coid J. **Psychol Med** 1983 Nov; 13(4):855–60

PHYSIOPATHOLOGY

Tonic heart rate level, social class and antisocial behaviour in adolescents. Raine A, et al. **Biol Psychol** 1984 Mar; 18(2):123–32

The contingent negative variation, personality and antisocial behaviour. Howard RC, et al. **Br J Psychiatry** 1984 May; 144:463–74

Psychophysiological processes in delinquency-prone young adults. Waid WM. **Prog Exp Pers Res** 1983;12:181–213

Electrodermal nonresponding, antisocial behavior, and schizoid tendencies in adolescents. Raine A, et al. **Psychophysiology** 1984 Jul;21(4):424–33

PSYCHOLOGY

Alcohol-abusing teenage boys. Testing a hypothesis on alcohol abuse and personality factors, using a personality inventory. Rydelius PA. **Acta Psychiatr Scand** 1983 Nov; 68(5):381–5

Three myths concerning adolescence. Manning ML. **Adolescence** 1983 Winter;18(72):823–9

Movies and behavior among hospitalized mentally disordered offenders. Harry B. **Bull Am Acad Psychiatry Law** 1983; 11(4):359–64

The significance of countertransference and related issues in a multiservice court clinic. Protter B, et al. **Bull Am Acad Psychiatry Law** 1983;11(3):223–30

Child and adolescent perceptions of normal and atypical peers. Whalen CK, et al. **Child Dev** 1983 Dec;54(6):1588–98

Clinical differences between antisocial and primary alcoholics. Cadoret R, et al. **Compr Psychiatry** 1984 Jan–Feb;25(1):1–8

Evidence for clinical heterogeneity in antisocial alcoholics.

Whitters A, et al. **Compr Psychiatry** 1984 Mar–Apr; 25(2):158–64

MMPI subtypes and antisocial behaviors in adolescent alcohol and drug abusers. Sutker PB, et al. **Drug Alcohol Depend** 1984 May;13(3):235–44

Psychopathy and perceptual asymmetry during verbal dichotic listening. Hare RD, et al. **J Abnorm Psychol** 1984 May;93(2):141–9

Measuring delinquent behavior in inpatient treatment settings: revision and validation of the adolescent antisocial behavior checklist. Curtiss G, et al. **J Am Acad Child Psychiatry** 1983 Sep;22(5):459–66

Accused murderers: five MMPI personality types. Anderson WP, et al. **J Clin Psychol** 1983 Sep;39(5):761–8

Wechsler performance IQ greater than Verbal IQ index in a forensic sample: a reconsideration. DeWolfe AS, et al. **J Clin Psychol** 1984 Jan;40(1):291–4

The association between psychosis and violent crime: a study of offenders evaluated at a court psychiatric clinic. Heller MS, et al. **J Gen Psychol** 1984 Apr;110(2d Half):263–6

A problem of personality. Morse RH. **J La State Med Soc** 1983 Sep;135(9):36–7, 39

Delinquency and Jesness Inventory Scores. Kunce JT, et al. **J Pers Assess** 1983 Dec;47(6):632–4

Toward two models of psychopathic violence. Heilbrun AB Jr. **Med Law** 1984;3(2):119–25

Schizophrenia and anti-social (criminal) behaviour—some responses from sufferers and relatives. Mackay RD, et al. **Med Sci Law** 1984 Jul;24(3):192–8

The paranoid psychopath [letter] Conlon GB. **NZ Med J** 1984 Feb 8;97(749):90–1

Association of alcoholism and antisocial personality in a narcotic-dependent population: the Lexington addicts. Lewis CE, et al. **Psychiatry Res** 1983 Sep;10(1):31–46

Personality in assaultive and non-assaultive juvenile male offenders. Berman T, et al. **Psychol Rep** 1984 Apr; 54(2):527–30

[Rapists—aspects of their personality. Psychologic, genetic and endocrinology studies] Hilgarth M, et al. **Fortschr Med** 1983 Oct 20;101(39):1775–9 **(Ger)**

[Solitary confinement as risk factor for psychiatric hospitalization] Volkart R, et al. **Psychiatr Clin (Basel)** 1983;16(5–6):365–77 (Eng. Abstr.) **(Ger)**

[Severe abnormal development of the personality that can be regarded as pathological—initial results of a catamnestic study] Friemert K. **Psychiatr Neurol Med Psychol (Leipz)** 1983 Jul;35(7):425–32 (Eng. Abstr.) **(Ger)**

[Features of emotional disorders in psychopathic personalities] Lakosina ND, et al. **Zh Nevropatol Psikhiatr** 1983;83(11):1664–70 (Eng. Abstr.) **(Rus)**

REHABILITATION

The injustice within prisons. Rumbaut M. **Bull Menninger Clin** 1983 Nov;47(6):558–65

Youth prison as an institute for rehabilitation. Silfen P. **Med Law** 1983;2(1):27–37

THERAPY

Survey shows therapists misunderstand Tarasoff rule. Runck B. **Hosp Community Psychiatry** 1984 May;35(5):429–30

Bibliotherapy within a correctional setting. Kohutek KJ. **J Clin Psychol** 1983 Nov;39(6):920–4

Treatment of the violent offender. Saad AF. **Med Law** 1983; 2(3):231–8 (15 ref.)

The English special hospital—a 12–17 year follow-up study: a comparison of violent and non-violent re-offenders and non-offenders. Tennent G, et al. **Med Sci Law** 1984 Apr; 24(2):81–91

Treatment of behavioral and psychiatric problems associated with opiate dependence. Woody GE, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984;46:23–35

[Family orientation in institutional rearing. The further conceptual development of the 'Sommerberg House' therapeutic and pedagogic adolescent institution in Rösrath] Krebs E. **Prax Kinderpsychol Kinderpsychiatr** 1984 Jan;33(1):28–34 (Eng. Abstr.) **(Ger)**

ANTISPASMODICS see PARASYMPATHOLYTICS

ANTISPERMATOGENIC AGENTS

Antispermatogenic action of gossypol in men. Coutinho EM, et al. **Fertil Steril** 1984 Sep;42(3):424–30

ANTAGONISTS & INHIBITORS

Comparative protective actions of gonadotrophins and testosterone against the antispermatogenic action of ethane dimethanesulphonate. Jackson CM, et al. **J Reprod Fertil** 1984 Jul;71(2):393–401

PHARMACODYNAMICS

Effect of 1-(2, 4-dichlorobenzyl)-1H-indazole-3-carboxylic acid (DICA) on the sex organs of the male laboratory mouse. Singh SK, et al. **Exp Clin Endocrinol** 1984 May; 83(3):291–6

Effects of Lonidamine on pituitary-gonadal axis in man. Santiemma V, et al. **Oncology** 1984;41 Suppl 1:53–5

ANTISTREPTOLYSIN

Microtiter anti-streptolysin 'O' titration of serum samples from finger-prick blood. Thangavelu CP, et al. **Indian J Pathol Microbiol** 1983 Apr;26(2):117–20

ANALYSIS

ASO titre and serum complement (C3) in post-streptococcal glomerulonephritis. Shroff KJ, et al. **J Postgrad Med** 1984 Jan;30(1):27–32

Annual changes of upper limit of ASO titer in school children. Fujikawa S, et al. **Jpn Circ J** 1983 Nov; 47(11):1290–2

[Precipitation reaction with streptolysin O] Bozděch V, et al. **Z Med Lab Diagn** 1983;24(6):342–8 (Eng. Abstr.) **(Ger)**

[Case of anti-streptolysin O activity in M-like protein detected by preparative electrofocusing] Matsunaga S, et al. **Rinsho Byori** 1983 Oct;31(10):1099–103 **(Jpn)**

[A variant of the ASLO micromethod in the clinical laboratory] Titeica M, et al. **Rev Ig [Bacteriol]** 1983 Jan–Mar;28(1):59–64 **(Rum)**

ANTITHROMBIN II see ANTITHROMBIN III

ANTITHROMBIN III

Sequence homology between human alpha 1-antichymotrypsin, alpha 1-antitrypsin, and antithrombin III. Chandra T, et al. **Biochemistry** 1983 Oct 25; 22(22):5055–61

Human antithrombin III heterogeneity: a study by isoelectrofocusing and crossed immunoelectrofocusing. Leone G, et al. **Haemostasis** 1983;13(6):369–73

Fate of thrombin and thrombin-antithrombin-III complex adsorbed to a heparinized biomaterial: analysis of the enzyme-inhibitor complexes displaced by plasma. Hatton MW, et al. **Thromb Haemost** 1983 Dec 30;50(4):873–7

[French Society of Hematology: 23d meeting of the Hemostasis and Thrombosis Study Group. Paris 13–14 May 1983. Abstracts] **Nouv Rev Fr Hematol** 1983;25(4):277–90 **(Fre)**

ADMINISTRATION & DOSAGE

[Disseminated intravascular coagulation induced by heparin. Treatment with a combination of low-molecular weight heparin and concentrated antithrombin III (letter)] Gouault-Heilmann M, et al. **Presse Med** 1984 May 26; 13(22):1393–4 **(Fre)**

[Antithrombin III in hip surgery] Weber U, et al. **Z Orthop** 1984 Jan–Feb;122(1):16–9 (Eng. Abstr.) **(Ger)**

ANALYSIS

Antithrombin III in oral contraceptive users and during normotensive pregnancy. Weenink GH, et al. **Acta Obstet Gynecol Scand** 1984;63(1):57–61

Factor VIII and antithrombin III in atherosclerosis obliterans of the lower limbs. Avellone G, et al. **Adv Exp Med Biol** 1984;164:65–80

Antithrombin III and atherosclerosis. Conard J, et al. **Adv Exp Med Biol** 1984;164:59–63

Antithrombins and coronary artery disease. Bick RL, et al. **Am J Clin Pathol** 1984 Jun;81(6):773–5

Discrepant AT-III and fibrinogen levels on the DuPont acaTM system [letter] Bick RL. **Am J Clin Pathol** 1983 Dec;80(6):891

Another case of discrepant results for antithrombin III levels [letter] Hanna WT, et al. **Am J Clin Pathol** 1984 Apr; 81(4):544–5

Antithrombin III and plasminogen: a comparison of two synthetic substrate-based methods. Ito RK, et al. **Am J Clin Pathol** 1983 Oct;80(4):465–73

Plasma prekallikrein, factor XII, antithrombin III, C1(-)-inhibitor and alpha 2-macroglobulin in critically ill patients with suspected disseminated intravascular coagulation (DIC). Lämmle B, et al. **Am J Clin Pathol** 1984 Oct;82(4):396–404

Antithrombin III and fibrinogen measurement using the Du Pont aca discrete clinical analyzer—a reply [letter] Roche PA. **Am J Clin Pathol** 1984 Feb;81(2):276–7

Role of antithrombin III in clinical management of pulmonary embolization [letter] Bick RL. **Am J Med** 1984 Aug;77(2):A78, A84, A86

Antithrombin III levels in preeclampsia correlate with maternal and fetal morbidity. Weenink GH, et al. **Am J Obstet Gynecol** 1984 Apr 15;148(8):1092–7

Measurement of plasma antithrombin III activity in healthy horses. Stephens KA, et al. **Am J Vet Res** 1984 Feb; 45(2):351–3

Tamoxifen treatment of metastatic breast cancer and antithrombin III levels. Enck RE, et al. **Cancer** 1984 Jun 15;53(12):2607–9

Plasma elimination of antithrombin III (heparin cofactor activity) is accelerated in term newborn infants. Schmidt B, et al. **Eur J Pediatr** 1984 Feb;141(4):225–7

Antithrombin III levels in normotensive and hypertensive pregnancy. Weenink GH, et al. **Gynecol Obstet Invest** 1983; 16(4):230–42

Molar antithrombin concentration in normal human plasma. Conard J, et al. **Haemostasis** 1983;13(6):363–8

Antithrombin III and factor Xa inhibitor in atherosclerosis. Marra R, et al. **Haemostasis** 1983;13(4):209–13

Low antithrombin III in morbid obesity: return to normal with weight reduction. Batist G, et al. **JPEN** 1983 Sep–Oct; 7(5):447–9

Distribution of antithrombin III and glucosylceramide in human plasma lipoproteins and lipoprotein deficient plasma. Chatterjee S, et al. **Lipids** 1984 May;19(5):363–6

Determination of plasma antithrombin III by tanned red cell hemagglutination inhibition immunoassay. Gandolfo GM, et al. **Ric Clin Lab** 1983 Apr–Jun;13(2):229–33

Simplified assay for antithrombin III activity using chromogenic peptide substrate. Manual and automated method. Frantzen Handeland G, et al. **Scand J Haematol** 1983 Nov;31(5):427–36

Automation of antithrombin III methods on routinely available instruments. Conard J. **Semin Thromb Hemost** 1983 Oct;9(4):263–7

The use of an automated analyzer in the evaluation of antithrombin III and heparin. Scully MF. **Semin Thromb Hemost** 1983 Oct;9(4):309–20

Bleeding tendency possibly related to increased plasma antithrombin III activity in patient treated with piroxicam. Stefanini M, et al. **South Med J** 1984 May;77(5):633–4

Effect of continuous low-dose intravenous heparin administered during operation on postoperative measurements of antithrombin III and antifactor Xa. Jennings SA, et al. **Surgery** 1984 Sep;96(3):550–5

Antithrombin III determination by rate (kinetic) nephelometry. Balla G, et al. **Thromb Haemost** 1984 Feb 28;51(1):9–11

Rapid quantitation of plasma heparin and antithrombin III levels for cardiopulmonary bypass monitoring, using fluorometric substrate assays. Savidge GF, et al. **Thromb Haemost** 1983 Oct 31;50(3):745–8

Antithrombin III in patients with acute deep vein thrombosis during heparin treatment (subcutaneous and intravenous) and during and after treatment with oral coumarins. Andersson G, et al. **Thromb Res** 1984 May 15;34(4):333–40

Changes of the levels of antithrombin III in patients with cerebrovascular diseases. Arai H, et al. **Thromb Res** 1983 Jul 15;31(2):197–202

Fluorogenic substrate assay of antithrombin III: a clinical study. Triplett DA, et al. **Thromb Res** 1983 Sep 15; 31(6):855–62

[Automatization of heparin determination using chronometric evaluation of anti-Xa activity of the AT III-heparin complex] Sampol J, et al. **Ann Biol Clin (Paris)** 1984; 42(1):21–3 (Eng. Abstr.) **(Fre)**

[Lipid-metabolic and blood coagulation factors in chronic peripheral arteriopathies] Di Martino G, et al. **Quad Sclavo Diagn** 1983 Mar;19(1):134–40 (Eng. Abstr.) **(Ita)**

[Comparative evaluation of 3 methods of study of antithrombin III] Nakabanda A, et al. **Lab Delo** 1984; (5):276–9 (Eng. Abstr.) **(Rus)**

[Value of antithrombin III determination in chronic liver diseases] Monreal M, et al. **Med Clin (Barc)** 1984 Feb 25; 82(7):295–7 (Eng. Abstr.) **(Spa)**

[Comparative value of prothrombin time and antithrombin III determinations in the diagnosis of liver cirrhosis] Monreal M, et al. **Med Clin (Barc)** 1984 Feb 25; 82(7):298–300 (Eng. Abstr.) **(Spa)**

ANTAGONISTS & INHIBITORS

[Effect of multiple intravenous injections of heparin on the content of antithrombin III in healthy animals and experimental atherosclerosis] Kudriashov BA, et al. **Vopr Med Khim** 1984 Jan–Feb;30(1):82–6 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Antithrombin III and circadian rhythms in the aged and in myocardial infarction. Casale G, et al. **Haematologica (Pavia)** 1983 Sep–Oct;68(5):615–9

Comparative behaviour of antithrombin III antigen and antithrombin III activity in cardiovascular patients. Scrobohaci ML, et al. **Med Interne** 1983 Oct–Dec; 21(4):285–8

Evolution of antithrombin III during the postoperative period. Rodzynek JJ, et al. **Scand J Haematol** 1984 Aug; 33(2):207–11

[Platelet hyperaggregation and plasma hypercoagulability associated with normal antithrombin III and platelet factor 3 deficiency in the nephrotic syndrome in children] Cutcudache C, et al. **Rev Med Interna [Med Interna]** 1984 Jan–Feb;36(1):57–66 **(Rum)**

BLOOD

[Determination of antithrombin III by kinetic nephelometry (comparative studies in chronic liver diseases)] Misz M, et al. **Orv Hetil** 1983 Nov 6;124(45):2731–5 (Eng. Abstr.) **(Hun)**

DEFICIENCY

False assignment of familial antithrombin III deficiency with the von Kaulla assay. Cosgriff TM, et al. **Am J Clin Pathol** 1983 Nov;80(5):697–9

Acquired deficiency and urinary excretion of antithrombin III in nephrotic syndrome. Vaziri ND, et al. **Arch Intern Med** 1984 Sep;144(9):1802–3

Management of planned pregnancy in a patient with congenital antithrombin III deficiency. Samson D, et al. **Br J Haematol** 1984 Feb;56(2):243–9

Prophylactic antithrombotic therapy with stanozolol in patients with familial antithrombin III deficiency. Winter JH, et al. **Br J Haematol** 1984 Jul;57(3):527–37

Deficiency of antithrombin III in children with hemolytic–uremic syndrome. Roth B, et al. **Eur J Pediatr** 1984 Apr;142(1):16–20

Severe acquired antithrombin III deficiency in relation to hepatic and renal insufficiency and intrauterine fetal death in late pregnancy. Hellgren M, et al. **Gynecol Obstet Invest** 1983;16(2):107–18

Antithrombin III deficiency: clinical aspects. Nagy I. **Haematologia (Budap)** 1984;17(1):87–91

Hereditary antithrombin III deficiency: biochemical aspects. Sas G. **Haematologia (Budap)** 1984;17(1):81–6

Antithrombin III Roma: a familial quantitative–qualitative AT–III deficiency identifiable by crossed immunoelectrofocusing and by crossed immunoelectrophoresis. Leone G, et al. **Haematologica (Pavia)** 1983 Nov–Dec;68(6):765–74

Acute myeloid leukaemia in a patient with congenital antithrombin III deficiency [letter] Sheehan T, et al. **J Clin Pathol** 1984 Jul;37(7):838–9

Computed tomography of visceral infarction due to coagulopathy. Demas BE, et al. **J Comput Assist Tomogr** 1984 Jun;8(3):556–8

Persistent antithrombin III deficiency: risk factor for thromboembolic complications in neonates small for gestational age. Peters M, et al. **J Pediatr** 1984 Aug; 105(2):310–4

Antithrombin III in patients with prosthetic cardiac valves. Bedeleanu D, et al. **Med Interne** 1983 Jul–Sep;21(3):169–73

Antithrombin III deficiency in a Romanian family. Pathogenic role of concomitantly increased plasma level of clotting factors VII and X. Cucuianu M, et al. **Med Interne** 1984 Jan–Mar;22(1):13–7

Molecular heterogeneity of inherited antithrombin III deficiency [letter] Leone G, et al. **N Engl J Med** 1983 Oct 27;309(17):1063–5

Treatment of antithrombin III deficiency with danazol [letter] Wautier JL, et al. **N Engl J Med** 1984 Aug 30;311(9):599

Hereditary antithrombin III deficiency and venous thrombosis. Michiels JJ, et al. **Neth J Med** 1984; 27(6):226–32 (77 ref.)

Low antithrombin III levels in neonates with idiopathic respiratory distress syndrome: poor prognosis. Peters M, et al. **Pediatr Res** 1984 Mar;18(3):273–6

An abnormal plasma antithrombin with no apparent affinity for heparin. Chasse JF, et al. **Thromb Res** 1984 May 15; 34(4):297–302

Inherited AT–III deficiency: fast and slow inactivation of thrombin and factor Xa. Mortensen JZ. **Thromb Res** 1984 Mar 1;33(5):511–5

[2 families with antithrombin III deficiency and venous thrombosis] Mortensen JZ, et al. **Ugeskr Laeger** 1983 Jul 25;145(30):2281–2 (Eng. Abstr.) **(Dan)**

[Prevention of the thromboembolic risk during the operative period in a patient with a congenital antithrombin III deficiency] Franceschi A, et al. **Ann Fr Anesth Reanim** 1983;2(6):420–2 (Eng. Abstr.) **(Fre)**

[Budd–Chiari syndrome and congenital antithrombin III deficiency (letter)] Fanello S, et al. **Gastroenterol Clin Biol** 1984 Jun–Jul;8(6–7):578 **(Fre)**

[Clinical problems posed by the consumption of antithrombin III induced by heparin] Ferrer F, et al. **Phlebologie** 1984 Jan–Mar;37(1):77–81 (Eng. Abstr.) **(Fre)**

[Etiology, clinical significance and therapy of antithrombin III deficiencies] Lechner K, et al. **Acta Med Austriaca** 1983; 10(5):129–35 **(Ger)**

[Thromboembolism. The clinical significance of antithrombin III] Schramm W. **Internist (Berlin)** 1984 Feb;25(2):88–92 **(Ger)**

[The clinical value of antithrombin III] Vinazzer H, et al. **Wien Med Wochenschr** 1984 Jun 30;134(12):279–83 **(Ger)**

[A case of left atrial thrombus in a 42–year–old woman. Heparin anticoagulation during extracorporeal circulation in an antithrombin III deficit patient] Takayama T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Mar;32(3):367–72 (Eng. Abstr.) **(Jpn)**

[Effect of antithrombin III concentrate infusion therapy on congenital antithrombin III deficiency] Kusumi S, et al. **Rinsho Ketsueki** 1984 Jan;25(1):25–30 (Eng. Abstr.) **(Jpn)**

[Crossed immunoelectrophoresis of congenital antithrombin III (AT) III deficiency, with special reference to the effects of AT III concentrate] Matsuo T, et al. **Rinsho Ketsueki** 1983 Aug;24(8):1026–31 (Eng. Abstr.) **(Jpn)**

[Hereditary antithrombin III deficiency as a thrombogenic risk factor in children] Barkagan LZ. **Pediatriia** 1983 Aug; (8):64–7 **(Rus)**

[Antithrombin III and indicators of heparin resistance in patients with urinary calculi] Mazyrko AV. **Ter Arkh** 1983; 55(8):102–5 (Eng. Abstr.) **(Rus)**

GENETICS

Antithrombin 'Chicago': a functionally abnormal molecule with increased heparin affinity causing familial thrombophilia. Bauer KA, et al. **Blood** 1983 Dec; 62(6):1242–50

Genetic mapping of the structural gene for antithrombin III to human chromosome 1. Kao FT, et al. **Hum Genet** 1984; 67(1):34–6

Purification and characterization of hereditary abnormal antithrombin III with impaired thrombin binding. Jørgensen M, et al. **J Lab Clin Med** 1984 Aug;104(2):245–56

Phenotypic variation of human antithrombin III in normal plasma: detection by isoelectric focusing. Kera Y, et al. **Jinrui Idengaku Zasshi** 1983 Dec;28(4):249–53

Characterization of an unusual DNA length polymorphism 5' to the human antithrombin III gene. Bock SC, et al. **Nucleic Acids Res** 1983 Dec 20;11(24):8569–82

Antithrombin III Toyama: replacement of arginine–47 by cysteine in hereditary abnormal antithrombin III that lacks heparin–binding ability. Koide T, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(2):289–93

Antithrombin III Toyama: a hereditary abnormal antithrombin III of a patient with recurrent thrombophlebitis. Sakuragawa N, et al. **Thromb Res** 1983 Jul 15;31(2):305–17

IMMUNOLOGY

The role of laser nephelometer in the study of abnormal clotting factors: characterization of two abnormal antithrombins (AT III Padua and AT III Padua2). Girolami A, et al. **Am J Clin Pathol** 1984 Mar;81(3):323–8

Liver dysfunction rather than intravascular coagulation as the main cause of low protein C and antithrombin III in acute leukemia. Rodeghiero F, et al. **Blood** 1984 Apr; 63(4):965–9

[Hemostasis in untreated acute leukemia. II. Natural inhibitors: biological and immunological activity. Immunologic variation of antithrombin III] Kordich L, et al. **Sangre (Barc)** 1984;29(2):133–40 (Eng. Abstr.) **(Spa)**

ISOLATION & PURIFICATION

Isolation and characterization of a hereditary abnormal antithrombin III 'Antithrombin III Toyama'. Koide T, et al. **Thromb Res** 1983 Jul 15;31(2):319–28

METABOLISM

'Morning–after pill' and antithrombin III. Weenink GH, et al. **Acta Obstet Gynecol Scand** 1983;62(4):359–63

Calcium inhibits the heparin–catalyzed antithrombin III/thrombin reaction by decreasing the apparent binding affinity of heparin for thrombin. Speight MO, et al. **Arch Biochem Biophys** 1983 Sep;225(2):958–63

Structure–activity relationship in heparin: a synthetic pentasaccharide with high affinity for antithrombin III and eliciting high anti–factor Xa activity. Choay J, et al. **Biochem Biophys Res Commun** 1983 Oct 31;116(2):492–9

Interaction and thermal stability of fluorescent labeled derivatives of thrombin and antithrombin III. Atha DH, et al. **Biochim Biophys Acta** 1984 Feb 28;785(1–2):1–6

Thermal stabilization of antithrombin III by sugars and sugar derivatives and the effects of nonenzymatic glycosylation. Busby TF, et al. **Biochim Biophys Acta** 1984 May 25; 799(1):80–9

Adsorption of purified thrombin or antithrombin III for two insoluble anticoagulant polystyrene derivatives: II. Competition with the other plasma proteins. Fougnot C, et al. **Biomaterials** 1984 Mar;5(2):89–93

Affinity of purified thrombin or antithrombin III for two insoluble anticoagulant polystyrene derivatives: I. In vitro adsorption studies. Fougnot C, et al. **Biomaterials** 1983 Oct; 4(4):294–8

The influence of oral contraceptives on activated factor X inhibitor (XaI)–activity: a prospective study. Bergqvist A, et al. **Br J Obstet Gynaecol** 1983 Oct;90(10):953–7

Characterization of the biological activity of antithrombin III in patients with hepatic cirrhosis. Matsuo T, et al. **Clin Chim Acta** 1984 Jul 16;140(2):125–32

Inhibition of heparin–catalyzed human antithrombin III activity by nonenzymatic glycosylation. Possible role in fibrin deposition in diabetes. Brownlee M, et al. **Diabetes** 1984 Jun;33(6):532–5

Effect of hormonal manipulation on antithrombin III activity in patients with prostatic carcinoma. Henny CP, et al. **Eur Urol** 1984;10(3):202–6

Binding uptake and degradation of antithrombin III X protease complexes by cultured corneal endothelial cells. Savion N, et al. **Exp Cell Res** 1984 Jul;153(1):50–60

High–dose conjugated estrogens do not reduce antithrombin III activity in tall girls. von Petrykowski W, et al. **Horm Metab Res** 1983 Aug;15(8):412

Anticoagulant properties of heparin preparations from different animal sources with equivalent high affinity for antithrombin III. Nagasawa K, et al. **J Biochem (Tokyo)** 1984 Mar;95(3):619–26

The heparin–binding site of antithrombin III. Identification of a critical tryptophan in the amino acid sequence. Blackburn MN, et al. **J Biol Chem** 1984 Jan 25; 259(2):939–41

Reaction of antithrombin III with thrombin bound to the vascular endothelium. Analysis in a recirculating perfused rabbit heart preparation. Lollar P, et al. **J Biol Chem** 1984 Apr 10;259(7):4335–8

A simple rate law that describes the kinetics of the heparin–catalyzed reaction between antithrombin III and thrombin. Nesheim ME. **J Biol Chem** 1983 Dec 10; 258(23):14708–17

Pyridoxylation of essential lysines in the heparin–binding site of antithrombin III. Pecon JM, et al. **J Biol Chem** 1984 Jan 25;259(2):935–8

Predictions of the secondary structure of antithrombin III and the location of the heparin–binding site. Villanueva GB. **J Biol Chem** 1984 Feb 25;259(4):2531–6

Refolding properties of antithrombin III. Mechanism of binding to heparin. Villanueva GB, et al. **J Biol Chem** 1983 Nov 25;258(22):14048–53

Hepatocyte receptors for antithrombin III–proteinase complexes. Fuchs HE, et al. **J Cell Biochem** 1984; 24(3):197–206

In vivo behavior of radioiodinated rabbit antithrombin III. Demonstration of a noncirculating vascular compartment. Carlson TH, et al. **J Clin Invest** 1984 Jul;74(1):191–9

Depressed antithrombin III biological activity in opiate addicts. Ceriello A, et al. **J Clin Pathol** 1984 Sep; 37(9):1040–2

Antithrombin III metabolism in patients with liver disease. Knot E, et al. **J Clin Pathol** 1984 May;37(5):523–30

The impact of total parenteral nutrition on antithrombin III. Nehme AE, et al. **JPEN** 1983 Nov–Dec;7(6):573–4

Decreased antithrombin III activity in diabetes may be due to non–enzymatic glycosylation—a preliminary report. Ceriello A, et al. **Thromb Haemost** 1983 Oct 31;50(3):633–4

Interaction of heparin with histidine–rich glycoprotein and with antithrombin III. Lijnen HR, et al. **Thromb Haemost** 1983 Aug 30;50(2):560–2

The interaction of immobilized thrombin with human antithrombin III. Marciniak E, et al. **Thromb Haemost** 1984 Feb 28;51(1):27–31

Anticoagulant effects of two types of low molecular weight heparin administered subcutaneously. Bergqvist D, et al. **Thromb Res** 1983 Nov 15;32(4):381–91

Catabolism of antithrombin III–protease complexes [letter] Fuchs HE, et al. **Thromb Res** 1983 Oct 15;32(2):253–4

In vivo attempt to consume antithrombin III by i.v. injection of a thrombin–heparin mixture. Soulier JP, et al. **Thromb Res** 1984 May 1;34(3):255–62

Antithrombin III and related parameters in surgical patients receiving blood components. Lundsgaard–Hansen P, et al. **Vox Sang** 1984;46(1):19–28

[Plasma and urinary antithrombin III in the nephrotic syndrome in adults] Antelin CH, et al. **Ann Med Interne (Paris)** 1983;134(8):713–6 (Eng. Abstr.) **(Fre)**

[Acute effects of sulodexide on the lipid profile and on antithrombin III in patients with chronic renal insufficiency in hemodialysis treatment] Averna MR, et al. **Clin Ter** 1984 Jan 31;108(2):111–4 (Eng. Abstr.) **(Ita)**

[Behavior of the fibrinogen polymerization curve in patients with chronic respiratory insufficiency] Musca A, et al. **Clin Ter** 1983 Jul 31;106(2):113–6 (Eng. Abstr.) **(Ita)**

[Antithrombin III and fibrinogen after surgical interventions on the abdomen and heart] Dassi E, et al. **Quad Sclavo Diagn** 1983 Sep;19(3):360–8 (Eng. Abstr.) **(Ita)**

PHARMACODYNAMICS

Inhibition by heparin–modulated antithrombin III of amidolysis catalysed by m beta–acrosin. Long WF, et al. **Biochem J** 1984 Feb 1;217(3):721–5

Anticoagulating and non–enzymatic fibrinolytic activities of heparin–antithrombin III and antithrombin III–heparin–thrombin complexes in vitro and in vivo. Kudrjashov BA, et al. **Folia Haematol (Leipz)** 1983; 110(5):731–42

Inhibition of human activated Factor X by antithrombin III and alpha 1–proteinase inhibitor in human plasma. Gitel SN, et al. **J Biol Chem** 1984 Jun 10;259(11):6890–5

Effects of human antithrombin III on mortality and blood coagulation induced in rabbits by endotoxin. Triantaphyllopoulos DC. **Thromb Haemost** 1984 Apr 30; 51(2):232–5

The effects of antithrombin III, heparin and a novel heparinoid infusions on the bleeding tendency using an experimental model in the rat. Büller HR, et al. **Thromb Res** 1983 Sep 15;31(6):787–97

Effect of glycosaminoglycans and antithrombin III on uptake and inhibition of thrombin by the vascular wall. Dryjski M, et al. **Thromb Res** 1983 Nov 15;32(4):355–63

Inhibition of thrombin–induced platelet aggregation and serotonin release by antithrombin III and heparin cofactor II in the presence of standard heparin, dermatan sulfate and pentosan polysulfate. Sié P, et al. **Thromb Res** 1984 Jul 15;35(2):231–6

[Neutralization of thrombin by antithrombin III in the presence of heparin in cobra venom poisoning] Pastorova VE. **Fiziol Zh SSSR** 1983 Oct;69(10):1368–71 **(Rus)**

PHYSIOLOGY

Biological action and clinical significance of antithrombin III. Abildgaard U. **Haematologia (Budap)** 1984;17(1):77–9

Antithrombin–III activity in ischaemic heart disease. Sunder S, et al. **Indian Heart J** 1984 Jan–Feb;36(1):46–9

Involvement of heparin chain length in the heparin–catalyzed inhibition of thrombin by antithrombin III. Hoylaerts M, et al. **J Biol Chem** 1984 May 10;259(9):5670–7

Functional and antigenic antithrombin III values in plasma and serum from 115 regular blood donors and antithrombin III in prediction of postoperative thrombosis. Nilsen DW,

et al. **Thromb Haemost** 1983 Aug 30;50(2):530–3
[The physiological inhibitors of blood coagulation. 1. Antithrombin III (AT III)] Kalse F, et al. **Folia Haematol (Leipz)** 1983;110(3):337–49 (119 ref.) (Eng. Abstr.) **(Ger)**
[Relevance of antithrombin III in thrombogenesis: the diagnosis and therapy of antithrombin III defects] Wenzel E, et al. **Z Gesamte Inn Med** 1984 May 15;39(10):220–7 (Eng. Abstr.) **(Ger)**

SECRETION

Human hepatoma cells secrete single chain factor X, prothrombin, and antithrombin III. Fair DS, et al. **Blood** 1984 Jul;64(1):194–204

STANDARDS

Preservation of antithrombin III activity in stored whole blood. Inkster M, et al. **Transfusion** 1984 Jan–Feb; 24(1):57–9

THERAPEUTIC USE

Early treatment with AT III in acute liver failure. Vogel GE. **Behring Inst Mitt** 1983 Aug;(73):79–93
Treatment of DIC with antithrombin III concentrates. Sakata Y, et al. **Bibl Haematologica** 1983;49:307–16
[Effect of antithrombin III on experimental hepatotoxin poisoning in dogs] Ronneberger H, et al. **Arzneimittelforsch** 1984;34(3):277–9 (Eng. Abstr.) **(Ger)**
[Therapy of patients with severe liver insufficiency using antithrombin III and plasma derivatives] Egbring R, et al. **Behring Inst Mitt** 1983 Aug;(73):94–110 (Eng. Abstr.) **(Ger)**
[Experiences with the substitution of antithrombin III concentrates in congenital and acquired deficiency disorders] Schramm W. **Behring Inst Mitt** 1983 Aug; (73):66–78 (Eng. Abstr.) **(Ger)**

ANTITHROMBIN VI see **FIBRIN FIBRINOGEN DEGRADATION PRODUCTS**

ANTITHROMBINS

[Ganoderma lucidum. (4) Effects on disseminated intravascular coagulation] Kubo M, et al. **Yakugaku Zasshi** 1983 Aug;103(8):871–7 (Eng. Abstr.) **(Jpn)**
[Pharmacological study on Panax ginseng C.A. Meyer. I. Effects of red ginseng on the experimental disseminated intravascular coagulation] Matsuda H, et al. **Yakugaku Zasshi** 1983 Dec;103(12):1269–77 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Crossed immunoelectrophoresis in the study of abnormal antithrombins III: behaviour of AT III trento [letter] Girolami A, et al. **Br J Haematol** 1983 Nov;55(3):559–61
Assay of dermatan sulfate cofactor (heparin cofactor II) activity in human plasma. Abildgaard U, et al. **Thromb Res** 1984 Aug 1;35(3):257–66
[Antithrombin V—a rare concomitant symptom in plasmacytoma and autoimmune diseases] Lutze G, et al. **Folia Haematol (Leipz)** 1983;110(2):278–92 (Eng. Abstr.) **(Ger)**
[The lupus anticoagulant] Ordi Ros J, et al. **Med Clin (Barc)** 1983 Jul 2;81(4):178–81 **(Spa)**

IMMUNOLOGY

Measurement of human activated factor X–antithrombin complex by an enzyme-linked differential-antibody immunosorbent assay. Jesty J, et al. **Anal Biochem** 1984 May 15;139(1):158–67

ISOLATION & PURIFICATION

Inhibitors of platelet aggregation and blood coagulation isolated from the human placenta. Maki M, et al. **Eur J Obstet Gynecol Reprod Biol** 1984 May;17(2–3):149–54

METABOLISM

Interaction of thrombin and antithrombin. Reaction observed by intrinsic fluorescence measurements. Wong RF, et al. **Biochemistry** 1983 Aug 16;22(17):3994–9
Catalysis of the generation of thrombin–antithrombin complex by insoluble anticoagulant polystyrene derivatives. Fougnot C, et al. **Biomaterials** 1984 Mar;5(2):94–9
Evaluation of critical groups required for the binding of heparin to antithrombin. Atha DH, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(4):1030–4

PHARMACODYNAMICS

Effects of enzymatic deglycosylation on the biological activities of human thrombin and antithrombin. Rosenfeld L, et al. **Arch Biochem Biophys** 1984 Feb 15;229(1):359–67

PHYSIOLOGY

Antithrombin in vertebrate species: conservation of the heparin–dependent anticoagulant mechanism. Jordan RE. **Arch Biochem Biophys** 1983 Dec;227(2):587–95
Acceleration of thrombin–antithrombin complex formation in rat hindquarters via heparinlike molecules bound to the endothelium. Marcum JA, et al. **J Clin Invest** 1984 Aug; 74(2):341–50

THERAPEUTIC USE

Doubts about dipyridamole as an antithrombotic drug. **Drug Ther Bull** 1984 Apr 6;22(7):25–8

ANTITHROMBOTIC AGENTS see **FIBRINOLYTIC AGENTS**

ANTITHYROID DRUGS see **THYROID ANTAGONISTS**

ANTITOXINS

[Obtaining sera against thermolabile enterotoxin of E. coli. Comparative tests. II] Georgescu C, et al. **Rev Ig [Bacteriol]** 1983 Jan–Mar;28(1):33–40 (Eng. Abstr.) **(Rum)**

ADMINISTRATION & DOSAGE

[Animal experimental studies of passive oral immunization against staphylococcal enterotoxin B (SEB)] Hahn G. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Dec; 256(2):138–45 (Eng. Abstr.) **(Ger)**

ANALYSIS

Anticytotoxin activity of bovine sera and body fluids against Pasteurella haemolytica A1 cytotoxin. Cho HJ, et al. **Can J Comp Med** 1984 Apr;48(2):151–5
In vitro and in vivo neutralizing activity of human colostrum and milk against purified toxins A and B of Clostridium difficile. Kim K, et al. **J Infect Dis** 1984 Jul;150(1):57–62
[Comparative evaluation of the methods of determining perfringens A antitoxin] Shemanova GF, et al. **Biull Eksp Biol Med** 1983 Nov;96(11):82–4 (Eng. Abstr.) **(Rus)**
[Micromethod for determining the titer of staphylococcal antitoxin in the blood serum of children] Ebert LIa, et al. **Lab Delo** 1984;(6):370–1 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Elimination of clonogenic T-leukemic cells from human bone marrow using anti-Mr 65,000 protein immunotoxins. Stong RC, et al. **Cancer Res** 1984 Jul;44(7):3000–6
Intestinal resistance to cholera toxin in mouse. Antitoxic antibodies and desensitization of adenylate cyclase. Lange S, et al. **Int Arch Allergy Appl Immunol** 1984;74(3):221–5
The potential use of immunotoxins in transplantation, cancer therapy, and immunoregulation. Vitetta ES, et al. **Transplantation** 1984 Jun;37(6):535–8 (31 ref.)
Hemagglutinating and hydrophobic surface properties of salmonellae producing enterotoxin neutralized by cholera anti-toxin. Jiwa SF, et al. **Vet Microbiol** 1983 Oct; 8(5):443–58

PHARMACODYNAMICS

An immunotoxin with therapeutic potential in T cell leukemia: WT1-ricin A. Myers CD, et al. **Blood** 1984 May; 63(5):1178–85
Cytotoxicity of a cell-reactive immunotoxin containing ricin A chain is potentiated by an anti-immunotoxin containing ricin B chain. Vitetta ES, et al. **J Exp Med** 1984 Jul 1; 160(1):341–6
Specific inhibition of in vitro lymphocyte transformation by an anti-pan T cell (gp67) ricin A chain immunotoxin. Kernan NA, et al. **J Immunol** 1984 Jul;133(1):137–46

THERAPEUTIC USE

Humoral immunity in critically ill patients. Therapeutic perspectives. Clumeck N. **Acta Anaesthesiol Belg** 1983 Sep; 34(3):153–4
Fulminant meningococcus infections [letter] Shaw EB. **Am J Dis Child** 1983 Nov;137(11):1130
The use of equine anti-endotoxin hyperimmune serum in the treatment of septic arthritis in foals. Thomson M. **J S Afr Vet Assoc** 1983 Dec;54(4):279–81
[Immunotoxins—a new approach for selective chemotherapy] Eilat D. **Harefuah** 1984 Apr 1;106(7):315–8 **(Heb)**

ANTITRICHOMONAL AGENTS

[Effect of surface-active agents on agents of venereal diseases] Krivoshein IuS, et al. **Vestn Dermatol Venerol** 1983 Aug;(8):30–3 (Eng. Abstr.) **(Rus)**

BLOOD

Electron-capture gas chromatographic assays of 5-nitroimidazole class of antimicrobials in blood. Bhatia SC, et al. **J Chromatogr** 1984 Feb 10;305(2):325–34

THERAPEUTIC USE

Conventional therapy of trichomoniasis. Richter R. **Gynakol Rundsch** 1983;23 Suppl 2:23–6

TOXICITY

Evaluation of the teratogenic potential in Ciba-Geigy Go 10213, a new nitroimidazole derivative: 1-methane-sulphonyl-3-(1-methyl-5-nitro-1H-imidazole imidazolidinone, an amoebicide, trichomonicide and giardicide, in giardicide, in rats. Rao RR, et al. **Toxicology** 1983 Dec;29(1–2):157–61

ANTITUBERCULAR AGENTS

Ligational behavior of a novel biologically active donor toward Cu(II) and Ni(II) ions and potentiation of its antibacterial activity by chelation with metal ions. Ghosh S, et al. **J Inorg Biochem** 1984 Jan;20(1):79–86
Benzylamines: synthesis and evaluation of antimycobacterial properties. Meindl WR, et al. **J Med Chem** 1984 Sep; 27(9):1111–8
[Antitubercular agents. XXIX. Functional derivatives of 2-methyl-5-iodoisonicotinic acid] Palát K, et al. **Cesk Farm** 1983 Oct;32(8):275–8 (Eng. Abstr.) **(Cze)**
[Quantitative structure-activity analysis of thiobenzamides] Waisser K, et al. **Pharmazie** 1983 Dec;38(12):874–6 (Eng. Abstr.) **(Ger)**
[Antitubercular agents] Eandi M, et al. **Minerva Med** 1984 Mar 17;75(11):555–9 (Eng. Abstr.) **(Ita)**
[Mechanism of action of the antikinin preparation pyridinolcarbamate on the development of experimental tuberculosis] Makinskiĭ AI, et al. **Probl Tuberk** 1984 May; (5):60–5 (Eng. Abstr.) **(Rus)**
[Use of isoniazid derivatives synthesized using carbohydrate-type monomeric matrices as a base in experimental tuberculosis] Priĭmak AA, et al. **Probl Tuberk** 1983 Jul;(7):55–8 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Pediatric and pregnancy tuberculosis treatment protocols. **Ala Med** 1984 Jan;53(7):21–2
Guidelines for the outpatient management of tuberculosis cases, contacts, and suspects. Tuberculosis Division, Alabama Department of Public Health. **Ala Med** 1984 Jun; 53(12):9–11
Controlled clinical trial comparing a 6-month and a 12-month regimen in the treatment of pulmonary tuberculosis in the Algerian Sahara. Algerian working group/British Medical Research Council cooperative study. **Am Rev Respir Dis** 1984 Jun;129(6):921–8
A controlled trial of 2-month, 3-month, and 12-month regimens of chemotherapy for sputum-smear-negative pulmonary tuberculosis. Results at 60 months. **Am Rev Respir Dis** 1984 Jul;130(1):23–8
Short-course chemotherapy for pulmonary disease caused by Mycobacterium kansasii. Ahn CH, et al. **Am Rev Respir Dis** 1983 Dec;128(6):1048–50
The management of thirty immunocompromised patients with tuberculosis. Dautzenberg B, et al. **Am Rev Respir Dis** 1984 Mar;129(3):494–6
Experimental chemotherapy in chronic Mycobacterium avium-intracellulare infection of mice. Kuze F. **Am Rev Respir Dis** 1984 Mar;129(3):453–9
Shortest possible acceptable effective chemotherapy in ambulatory patients with pulmonary tuberculosis. Part II. Results during the 24 months after the end of chemotherapy. Mehrotra ML, et al. **Am Rev Respir Dis** 1984 Jun;129(6):1016–7
A preliminary report on six months antituberculous therapy – clinical study in Gulab Devi Chest Hospital, Lahore. Khan MI, et al. **JPMA** 1983 Oct;33(10):243–7
Antituberculous drug doses in children [letter] Archer GJ, et al. **Lancet** 1983 Oct 29;2(8357):1025–6
Short-course chemotherapy for silicotuberculosis. Escreet BC, et al. **S Afr Med J** 1984 Sep 1;66(9):327–30
Study of a fully supervised programme of chemotherapy for pulmonary tuberculosis given once weekly in the continuation phase in the rural areas of Hong Kong. **Tubercle** 1984 Mar;65(1):5–15
Controlled clinical trial of 4 short-couse regimens of chemotherapy (three 6-month and one 8-month) for pulmonary tuberculosis. **Tubercle** 1983 Sep;64(3):153–66
Comparison of a conventional and an initial 2-month intensive drug regimen for treating pulmonary tuberculosis in Swaziland. Shennan DH. **Tubercle** 1984 Jun;65(2):101–4
[Intermittent treatment of pulmonary tuberculosis—controlled clinical trials in Czechoslovakia] Víznerová A. **Cas Lek Cesk** 1984 Feb 10;123(6):165–9 (Eng. Abstr.) **(Cze)**
[Tuberculous and syphilitic otitis media] Gersdorff M, et al. **Acta Otorhinolaryngol Belg** 1983;37(5):709–16 **(Fre)**
[Controlled clinical trial of a 3-month regimen and 2 5-month regimens in the treatment of pulmonary tuberculosis. 2d study of the short-term treatment administered in Madras] Tripathy SP. **Bull Int Union Tuberc** 1983 Jun;58(2):97–101 **(Fre)**
[Comparison of 3 6-month chemotherapy regimes in pulmonary tuberculosis in routine practice in Algiers. 18th-month results] Chaulet P, et al. **Rev Fr Mal Respir** 1983;11(5):667–76 (Eng. Abstr.) **(Fre)**
[Treatment modalities applied to tuberculosis patients in a French department. Hautes-Pyrénées, 1973 to 1980] Hetrick G, et al. **Rev Fr Mal Respir** 1983;11(6):883–7 (Eng. Abstr.) **(Fre)**
[Short-term chemotherapy of tuberculosis. Cooperative French trial] Pretet S. **Rev Fr Mal Respir** 1983;11(6):859–66 (Eng. Abstr.) **(Fre)**
[Theoretical cost of the medical treatment of a case of

tuberculosis in France in 1982] Pretet S, et al. **Rev Fr Mal Respir** 1983;11(5):677–85 (Eng. Abstr.) **(Fre)**

[Long-term results of a trial of short-term chemotherapy. French study 6.9.12] Roussel G, et al. **Rev Fr Mal Respir** 1983;11(6):847–57 (Eng. Abstr.) **(Fre)**

[Current chemotherapy of pulmonary tuberculosis] Gyselen A. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:891–5 (Eng. Abstr.) **(Ger)**

[Unmonitored ambulatory short-term therapy of pulmonary tuberculosis] Reinert M, et al. **Prax Klin Pneumol** 1983 Oct; 37 Suppl 1:458–9 (Eng. Abstr.) **(Ger)**

[Field experiences with 6-month therapy in the treatment of open pulmonary tuberculosis in a refugee camp] Rieder H. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:494–7 (Eng. Abstr.) **(Ger)**

[Comparative studies of cavity dynamics in 6 months of short-term treatment between triple and quadruple therapy following initial intravenous intensive therapy] Schwabe HK, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:462–4 (Eng. Abstr.) **(Ger)**

[Theoretic principles of combined chemotherapy of tuberculosis: several viewpoints] Urbanczik R. **Prax Klin Pneumol** 1983 Sep;37(9):380–4 (Eng. Abstr.) **(Ger)**

[New aspects of short-term chemotherapy of tuberculosis] Zierski M, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:473–6 (Eng. Abstr.) **(Ger)**

[Short and intermittent course therapy for tuberculosis] Dux S, et al. **Harefuah** 1983 Dec 1;105(11):373–5 **(Heb)**

[A controlled trial of 6-month and 12-month regimens after negative conversion of sputum in the original treatment of pulmonary tuberculosis. Report of the 21st series of controlled trials of chemotherapy. Cooperative Study Unit of Chemotherapy of Tuberculosis of National Sanatoria in Japan (CSUCTNS)] **Kekkaku** 1984 Feb;59(2):81–9 (Eng. Abstr.) **(Jpn)**

[Drug combinations and duration of the regimen at the initial treatment of tuberculosis] Hara K. **Kekkaku** 1983 Sep; 58(9):492–5 **(Jpn)**

[Overview on preclinical research on tuberculosis chemotherapy in the past 100 years. (2) Experimental studies following clinical tests] Kanei T, et al. **Kekkaku** 1983 Apr;58(4):235–45 **(Jpn)**

[Clinical study on the treatment of silicotuberculosis] Konishiike J, et al. **Kekkaku** 1983 Apr;58(4):255–65 (Eng. Abstr.) **(Jpn)**

[Experimental atypical mycobacterial infection] Kuze F. **Kekkaku** 1983 Sep;58(9):469–88 (98 ref.) (Eng. Abstr.) **(Jpn)**

[Sensitivities of atypical mycobacteria to various drugs. VI. Antibacterial effects of sulfonamides and their combinations in vitro] Sakurai N, et al. **Kekkaku** 1983 Aug;58(8):415–20 (Eng. Abstr.) **(Jpn)**

[Short course chemotherapy for pulmonary tuberculosis. 3. Initial intensive regimens including pyrazinamide] Suzuki T, et al. **Kekkaku** 1983 Sep;58(9):459–64 (Eng. Abstr.) **(Jpn)**

[A study on short-course chemotherapy for pulmonary tuberculosis. Initial intensive regimens containing streptomycin] Suzuyama Y, et al. **Kekkaku** 1984 Apr; 59(4):277–87 (Eng. Abstr.) **(Jpn)**

[Combined effect of minocycline with antitubercular agents on Mycobacterium tuberculosis: in vitro study] Tsukamura M, et al. **Kekkaku** 1983 Dec;58(12):665–7 (Eng. Abstr.) **(Jpn)**

[Current status of chemotherapy of tuberculosis studied at the World Conference of IUA in Buenos Aires] Anastasatu C. **Rev Ig [Pneumoftiziol]** 1983 Apr–Jun;32(2):97–102 **(Rum)**

[Aspects of the use of short-term, strictly supervised treatment in ambulatory care facilities] Basacopol A, et al. **Rev Ig [Pneumoftiziol]** 1983 Apr–Jun;32(2):163–8 (Eng. Abstr.) **(Rum)**

[Possibilities of resolving cases of chronic pulmonary tuberculosis] Mihăilescu P, et al. **Rev Ig [Pneumoftiziol]** 1983 Jul–Sep;32(3):205–14 (Eng. Abstr.) **(Rum)**

[Results of short-term tuberculostatic treatment at the end of the therapeutic regimen] Tănase C, et al. **Rev Ig [Pneumoftiziol]** 1983 Jan–Mar;32(1):43–7 (Eng. Abstr.) **(Rum)**

[Efficacy of aerosol therapy of bronchopulmonary tuberculosis] Agzamov RA, et al. **Probl Tuberk** 1983 Oct; (10):56–9 (9 ref.) (Eng. Abstr.) **(Rus)**

[Pathogenetic drugs in the treatment of destructive pulmonary tuberculosis in adolescents and adults] Buĭko RG, et al. **Probl Tuberk** 1984 Jan;(1):45–9 (Eng. Abstr.) **(Rus)**

[Relation between the status of the blood adenylate system and the intensity of the process of lipid peroxidation in patients with newly detected pulmonary tuberculosis] Burlachuk VT, et al. **Probl Tuberk** 1984 May;(5):45–50 (Eng. Abstr.) **(Rus)**

[Relations between the indices of cellular immunity during chemotherapy of experimental tuberculosis] Gavrilenko AF, et al. **Probl Tuberk** 1983 Sep;(9):61–3 (Eng. Abstr.) **(Rus)**

[Effectiveness of short-term chemotherapy in patients with newly detected destructive pulmonary tuberculosis] Gol'dshtein VD, et al. **Probl Tuberk** 1984 Jan;(1):29–34 (Eng. Abstr.) **(Rus)**

[Effectiveness of the treatment of experimental destructive pulmonary tuberculosis with antibacterial drugs combined with levamisole and diucifon] Khomenko AG, et al. **Probl Tuberk** 1984 Apr;(4):55–9 (Eng. Abstr.) **(Rus)**

[Efficacy of the treatment of experimental tuberculosis with antibacterial agents in combination with levamisole and tilorone] Snitinskaia OS. **Probl Tuberk** 1983 Sep;(9):53–6 (Eng. Abstr.) **(Rus)**

[Peribronchial administration of drug mixtures on a prolonged basis in the complex treatment of patients with pulmonary tuberculosis complicated by bronchial pathology] Tarasov AS, et al. **Probl Tuberk** 1983 Jul; (7):17–20 (Eng. Abstr.) **(Rus)**

[Effectiveness of complex treatment of patients with caseous pneumonia] Ursov IG, et al. **Probl Tuberk** 1983 Jul;(7):43–6 (Eng. Abstr.) **(Rus)**

[B-lymphocytes and the level of circulating immune complexes in pulmonary tuberculosis patients treated with chemotherapy and vitamins] Volosevich GV. **Probl Tuberk** 1983 Jul;(7):20–2 (Eng. Abstr.) **(Rus)**

[Efficacy of treatment of patients with recurrences of tuberculosis of the respiratory organs] Kuznetsova ZA, et al. **Vrach Delo** 1983 Jul;(7):24–5 **(Rus)**

[Efficacy of chemotherapy of primary destructive pulmonary tuberculosis] Strakhov NS, et al. **Vrach Delo** 1983 Jul; (7):19–22 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Genetic effects of drug interaction in tuberculosis patients and their fate. Jaju M, et al. **Teratogenesis Carcinog Mutagen** 1984;4(3):261–72

[Allergy to the principal antitubercular drugs incompatible with the continuation of chemotherapy (letter)] Roussel G, et al. **Presse Med** 1983 Sep 10;12(31):1940 **(Fre)**

[Danger of liver damage in modern antitubercular treatment] Kozma D, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:479–81 (Eng. Abstr.) **(Ger)**

[Cochleo-vestibular function in patients submitted to a combined antitubercular treatment (retrospective study)] Mosca F, et al. **Arch Monaldi** 1983 Jul–Aug;38(4):185–94 (Eng. Abstr.) **(Ita)**

[Use of the antioxidant ionol to prevent damage to the heart from prolonged administration of antitubercular preparations] Iakovleva TA, et al. **Biull Eksp Biol Med** 1983 Oct;96(10):59–62 (Eng. Abstr.) **(Rus)**

[Synthesis of leukocyte migration inhibition factor in pulmonary tuberculosis patients with concomitant drug intolerance] Alenova AKh, et al. **Probl Tuberk** 1983 Jul; (7):34–8 (Eng. Abstr.) **(Rus)**

[Ionol as a drug for the prevention of cardiotoxic effect of antitubercular agents] Iakovleva TA, et al. **Probl Tuberk** 1984 Jan;(1):53–8 (Eng. Abstr.) **(Rus)**

[Lactate dehydrogenase isoenzymes in pulmonary tuberculosis patients with manifestations of the adverse effects of antitubercular preparations] Kotenko AP. **Probl Tuberk** 1983 Jul;(7):27–30 (Eng. Abstr.) **(Rus)**

[Adverse reactions to antibacterial therapy of tuberculosis] Kubrik NE, et al. **Probl Tuberk** 1984 May;(5):66–7 **(Rus)**

[Drug-induced hepatitis in pulmonary tuberculosis patients] Koriakin VIa, et al. **Vrach Delo** 1984 May;(5):60–2 (Eng. Abstr.) **(Rus)**

[Obstacles in the effective therapy of tuberculosis with antitubercular agents] Hal'ák O, et al. **Bratisl Lek Listy** 1984 Jun;81(6):684–7 (Eng. Abstr.) **(Slo)**

[Toxicity in the current treatment of pulmonary tuberculosis in children] Altet Gómez MN, et al. **An Esp Pediatr** 1984 Jan;20(1):18–27 (Eng. Abstr.) **(Spa)**

CHEMICAL SYNTHESIS

Synthesis of 6-substituted 2-phenyl-3-(5-substituted mercapto-1,3,4, thiadiazol-2-yl)quinazolin-4-(3H)-ones as antitubercular agents. Kumar P, et al. **Arch Pharm (Weinheim)** 1983 Sep;316(9):759–63

HISTORY

[Intermittent chemotherapy of pulmonary tuberculosis. With particular emphasis on the contribution of the WHO Cooperative Center for Tuberculosis Chemotherapy in Prague] Fox W. **Cas Lek Cesk** 1984 Feb 10;123(6):153–7 (Eng. Abstr.) **(Cze)**

[Tuberculin] Moskwa Z. **Wiad Lek** 1983 Jun 15;36(12):1033–5 (Eng. Abstr.) **(Pol)**

METABOLISM

Should women taking antituberculosis drugs breast-feed? Snider DE Jr, et al. **Arch Intern Med** 1984 Mar; 144(3):589–90 (13 ref.)

Pharmacokinetics of antituberculosis drugs after oral isolated and simultaneous administration in triple combination. Zítková L, et al. **Czech Med** 1983;6(4):202–17

[Assessment of antituberculosis drug concentrations in cold abscesses in patients with bone and joint tuberculosis] Wu QQ. **Chung Hua Wai Ko Tsa Chih** 1983 Aug;21(8):483–5 **(Chi)**

[Pharmacokinetics of antitubercular agents in man] Acocella G. **Minerva Med** 1984 Mar 17;75(11):561–3 (Eng. Abstr.) **(Ita)**

PHARMACODYNAMICS

Antituberculosis drug resistance in south Texas. Carpenter JL, et al. **Am Rev Respir Dis** 1983 Dec;128(6):1055–8

In vitro activities of norfloxacin and ciprofloxacin against Mycobacterium tuberculosis, M. avium complex, M. chelonei, M. fortuitum, and M. kansasii. Gay JD, et al. **Antimicrob Agents Chemother** 1984 Jul;26(1):94–6

Recovery and susceptibility testing of Mycobacterium tuberculosis from extrapulmonary specimens by the BACTEC radiometric method. Fadda G, et al. **J Clin Microbiol** 1984 May;19(5):720–1

Conventional and radiometric drug susceptibility testing of Mycobacterium tuberculosis complex. Laszlo A, et al. **J Clin Microbiol** 1983 Dec;18(6):1335–9

Leads from the MMWR. Primary resistance to antituberculosis drugs—United States. **JAMA** 1983 Nov 4;250(17):2265–6

Rapid metabolism of cyclosporin and prednisone in kidney transplant patient receiving tuberculostatic treatment [letter] Langhoff E, et al. **Lancet** 1983 Oct 29;2(8357):1031

[Study of tubercle bacilli from persistently sputum-positive patients treated with antituberculosis drugs for long duration in 3 Shanghai districts] **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1983 Aug;6(4):222–4 (Eng. Abstr.) **(Chi)**

[In vitro activities of antitubercular agents and intensification of combined chemotherapy of tuberculosis] Ooizumi K. **Kekkaku** 1983 Sep;58(9):490–2 **(Jpn)**

[Synthesis of derivatives of N-hydroxyalkylimidazolidine-2-thione] Wisterowicz K, et al. **Acta Pol Pharm** 1983;40(2):139–45 (Eng. Abstr.) **(Pol)**

[Interactions of antitubercular drugs. II. Combined effects of rifampin, ethambutol, capreomycin, viomycin, ethionamide and cycloserine on mycobacterial growth in vitro] Janowiec M, et al. **Pneumonol Pol** 1983 Dec; 51(12):607–12 (Eng. Abstr.) **(Pol)**

[Chemotherapy of tuberculosis. I – Basic principles] Rosemberg J. **AMB** 1983 May-Jun;29(5–6):90–4 **(Por)**

[Mechanism of action of ectericide on Mycobacterium tuberculosis] Dikil IL, et al. **Probl Tuberk** 1984 Mar; (3):60–4 (Eng. Abstr.) **(Rus)**

[Primary bacterial resistance in tuberculosis patients in a general hospital] Ausina V, et al. **Med Clin (Barc)** 1984 May 5;82(17):741–4 (Eng. Abstr.) **(Spa)**

[Resistance to antitubercular drugs in Chile] Valenzuela MT, et al. **Rev Med Chil** 1984 Jan;112(1):76–80 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

Primary tuberculosis in a child of a parent with drug-resistant infection. Alexander WJ, et al. **Ala J Med Sci** 1984 Jul; 21(3):287–9

Non-compliance with antituberculous drugs. Arnold AG, et al. **Br J Dis Chest** 1984 Jul;78(3):295–8

Treatment of tuberculous masses in the neck. Deitel M, et al. **Can J Surg** 1984 Jan;27(1):90–3

Management of tuberculosis in elderly persons. Nagami P, et al. **Compr Ther** 1984 Jul;10(7):57–62

BCG test in children receiving anti-tubercular therapy [letter] Jain S, et al. **Indian Pediatr** 1983 Apr;20(4):312

Drug therapy of tuberculosis. McCormack J. **Ir Med J** 1984 Mar;77(3):88, 90–3

Pericardiectomy for constrictive pericarditis. Should all patients receive post-operative anti-tuberculous chemotherapy? Kaimal N, et al. **J Assoc Physicians India** 1983 Sep;31(9):589–90

Tuberculosis prenatal screening and therapy during pregnancy. Plauché WC, et al. **J La State Med Soc** 1983 Sep;135(9):13–5

Tuberculosis in a developing country: experiences of the TB service at BMH, Dharan. Henderson A. **J R Army Med Corps** 1984 Feb;130(1):22–30

Rapid metabolism of cyclosporin and prednisone in kidney transplant patients on tuberculostatic treatment [letter] Langhoff E, et al. **Lancet** 1983 Dec 3;2(8362):1303

Tuberculosis today. Dall L. **Mo Med** 1983 Nov;80(11):695–8

Rapid drug susceptibility testing of M. tuberculosis H 37 Rv with bioluminescence. Beckers B, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:460–1

The advantages of the antituberculosis regimens which include Sinerdol-EH, a new tuberculostatic of rifampicin-type. Păunescu E. **Rev Ig [Pneumoftiziol]** 1983 Jan-Mar;32(1):33–42

Pulmonary infection with mycobacterium xenopi: review of treatment and response. Banks J, et al. **Thorax** 1984 May; 39(5):376–82

Short-term chemotherapy for tuberculosis. Locks MO. **West J Med** 1983 Sep;139(3):360–1

[The chemotherapy of tuberculosis] Mitchison DA. **Cas Lek Cesk** 1984 Feb 10;123(6):145–52 (Eng. Abstr.) **(Cze)**

[Subthalamic tuberculoma disclosed by hemiballism. Efficacy of antituberculous treatment] Delaporte P, et al. **Ann Med Interne (Paris)** 1983;134(8):728–31 (Eng. Abstr.) **(Fre)**

[Short-term chemotherapy. Controlled clinical trials in Chile] Farga V, et al. **Bull Int Union Tuberc** 1983 Jun;58(2):102–7 **(Fre)**

[Recent data on the chemotherapy of experimental tuberculosis in the mouse] Grosset J, et al.

Bull Int Union Tuberc 1983 Jun;58(2):90–6 (Fre)
[Current treatment of pulmonary tuberculosis] Bollinelli R. **Presse Med** 1984 Jun 2;13(23):1427–9 (Fre)
[Resistance of the Koch bacillus to antibacillary agents in the Department of the Lower Rhine] Cooreman J, et al. **Rev Fr Mal Respir** 1983;11(5):699–704 (Eng. Abstr.) (Fre)
[Therapy modalities used in tuberculosis in a French Department. The Bas-Rhin, 1965–77] Burghard G, et al. **Rev Mal Respir** 1984;1(2):85–91 (Eng. Abstr.) (Fre)
[Tuberculosis in pregnancy] Reimers D. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:455–7 (Eng. Abstr.) (Ger)
[Tuberculosis chemotherapy in cases of resistance] Troi K, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:477–8 (Eng. Abstr.) (Ger)
[Tuberculosis therapy in patients with renal insufficiency, dialysis and following kidney transplantation] Urbanczik R. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:436–41 (Eng. Abstr.) (Ger)
[Effects of chronic alcoholism on tuberculosis treatment] Wohlrabe H, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:447–50 (Eng. Abstr.) (Ger)
[Surgical interventions in tuberculosis patients] Wolfart W. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:451–4 (Eng. Abstr.) (Ger)
[Principles of drug therapy in urogenital tuberculosis] Jungbluth H. **Urologe [Ausg A]** 1984 Jul;23(4):189–93 (Eng. Abstr.) (Ger)
[Therapeutic results in lung diseases caused by atypical mycobacteria] Fischer P, et al. **Z Erkr Atmungsorgane** 1984; 162(1):26–9 (Eng. Abstr.) (Ger)
[Present findings on the determination of mycobacterial resistance] Kühne W, et al. **Z Erkr Atmungsorgane** 1983; 161(1):86–95 (Eng. Abstr.) (Ger)
[Current therapy for pulmonary tuberculosis] Grassi C, et al. **G Ital Chemioter** 1982 Jul–Dec;29(2):83–6 (Eng. Abstr.) (Ita)
[Chemotherapy of tuberculosis. II – Drugs. Types of treatment. Evaluation and control] Rosemberg J. **AMB** 1983 May–Jun;29(5–6):94–101 (Por)
[Aspects of chemoresistance of Koch bacillus in the period 1971–1980 in the Constanţa tuberculosis outpatient clinic] Toldişan V, et al. **Rev Ig [Pneumoftiziol]** 1983 Jan–Mar; 32(1):53–7 (Eng. Abstr.) (Rum)
[Effect of sodium thiosulfate on morphological manifestations of experimental tuberculosis] Novoselova VP, et al. **Arkh Patol** 1983;45(6):67–73 (Eng. Abstr.) (Rus)
[Anthranylic acid derivatives in the complex treatment of pulmonary tuberculosis in late middle-aged and elderly patients] Filippova ES. **Probl Tuberk** 1984 May;(5):68–9 (Rus)
[L-forms of Mycobacterium tuberculosis during chemotherapy of patients with chronic destructive pulmonary tuberculosis] Karachunskiĭ MA, et al. **Probl Tuberk** 1983 Jul;(7):38–43 (Eng. Abstr.) (Rus)
[Morphologic and biochemical changes in Mycobacterium tuberculosis during chemotherapy] Khomenko AG, et al. **Probl Tuberk** 1983 Jul;(7):48–54 (Eng. Abstr.) (Rus)
[Treatment of patients with infiltrative tuberculosis of the lungs with tuberculin in combination with ethambutol and rifadin] Sattar IKh. **Probl Tuberk** 1984 May;(5):65–6 (Rus)
[Changes in the lipid metabolic indices as affected by tuberculosis and the action of antituberculer preparations in an experiment] Solov'eva TN, et al. **Probl Tuberk** 1984 Mar;(3):56–60 (Eng. Abstr.) (Rus)
[Advances in the treatment of pulmonary tuberculosis in children] Alcaide Megías J, et al. **An Esp Pediatr** 1983 Sep; 19 Suppl 19:12–7 (Spa)
[Active tuberculosis in patients in hemodialysis (letter)] Ruiz Manzano J, et al. **Med Clin (Barc)** 1983 Oct 15;81(11):499 (Spa)
[Short-course treatment of tuberculosis on a 7-month schedule with an initial intensive phase of 1 month (TA-81)] Farga V, et al. **Rev Med Chil** 1984 Mar; 112(3):290–5 (Eng. Abstr.) (Spa)
[Short-course chemotherapy for tuberculosis in Chile. Operational considerations] Valenzuela P, et al. **Rev Med Chil** 1984 Mar;112(3):287–9 (Spa)

TOXICITY

Methimazole-induced modulation of thiobenzamide bioactivation and toxicity. Chieli E, et al. **Toxicol Lett** 1983 Aug;18(1–2):147–52

ANTITUSSIVE AGENTS

see related
COUGH

Pharmacological studies on dl-glaucine phosphate as an antitussive. Kasé Y, et al. **Arzneimittelforsch** 1983; 33(7):936–46
On the sites of antitussive action of dl-glaucine phosphate. Kasé Y, et al. **Arzneimittelforsch** 1983;33(7):947–52
Pharmacological study of the antitussive and respiratory-analeptic properties of N-(2'-ethylpyrrolidino)diphenylacetamide hydrochloride (F 1459). Tarayre JP, et al. **Arzneimittelforsch** 1983; 33(7):931–5
Convulsions and cerebral oedema associated with zipeprol abuse [letter] Perraro F, et al. **Lancet** 1984 Jan 7; 1(8367):45–6

ANALYSIS

Chloroform in cough linctuses [letter] King RG. **Med J Aust** 1984 Feb 4;140(3):184

BLOOD

Determination of a novel antitussive agent 2',4'-dimethyl-6'-methoxy-3-(2-methylpiperidyl)-propion in plasma by high-performance liquid chromatography. Nissinen E, et al. **J Chromatogr** 1983 Nov 11;278(1):225–7

METABOLISM

Dinemorphan N-demethylation by mouse liver microsomes. Gervasi PG, et al. **Experientia** 1984 Feb 15;40(2):180–2

PHARMACODYNAMICS

Effect of dextromethorphan and dimemorfan on the neutral lipids of tumor cells. Kigoshi S, et al. **Jpn J Pharmacol** 1984 Feb;34(2):258–60
Antitussive effect of RU-20201—central and peripheral actions. Yanaura S, et al. **Jpn J Pharmacol** 1984 Mar; 34(3):289–98
[Difference in the effects of antitussive drugs on respiration and cough reflex] Yanaura S, et al. **Nippon Yakurigaku Zasshi** 1983 Sep;82(3):213–22 (Eng. Abstr.) (Jpn)

POISONING

Overdosage of zipeprol, a non-opiod antitussive agent [letter] Moroni C, et al. **Lancet** 1984 Jan 7;1(8367):45

THERAPEUTIC USE

Progress in the treatment of coughs! Ferguson JA. **Am Pharm** 1983 Sep;NS23(9):48–52
Objective evaluation of dextromethorphan and glaucine as antitussive agents. Rühle KH, et al. **Br J Clin Pharmacol** 1984 May;17(5):521–4
Therapeutic approaches to the common cold in children. Weippl G. **Clin Ther** 1984;6(4):475–82
Efficacy and tolerability of glaucine as an antitussive agent. Gastpar H, et al. **Curr Med Res Opin** 1984;9(1):21–7
Randomized single-blind trial in general practice comparing the efficacy and palatability of two cough linctus preparations, 'Pholcolix' and 'Actifed' Compound, in children with acute cough. Jaffé G, et al. **Curr Med Res Opin** 1983;8(8):594–9
[Treatment of chronic bronchitis with 'tan chuan jing'—clinical study of 300 cases and a pharmacological experiment] Wang QW. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Apr;4(4):222–3 (Eng. Abstr.) (Chi)
[Clinical and experimental observations on chronic bronchitis treated with pukeling] Zhang JY. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1983 Jun;6(3):169–70 (Eng. Abstr.) (Chi)
[Controlling the cough reflex with Silomat] Nosál'ová G, et al. **Bratisl Lek Listy** 1984 Jun;81(6):669–76 (Eng. Abstr.) (Slo)

TOXICITY

[Toxicological characteristics of the antitussive preparation glaucine] Mironova MI, et al. **Farmakol Toksikol** 1983 Jul-Aug;46(4):100–3 (Eng. Abstr.) (Rus)

ANTI-ULCER AGENTS

see related
HISTAMINE H2 RECEPTOR BLOCKADERS
PARASYMPATHOLYTICS

Protective effect of intracerebroventricularly administered PGE2 on rat gastric mucosa. Puurunen J. **Acta Pharmacol Toxicol (Copenh)** 1984 May;54(5):425–7
Anti-ulcer activity and other pharmacological properties of lozilurea. Bruseghini L, et al. **Arzneimittelforsch** 1983; 33(12):1655–62
Anti-ulcer and secretion-inhibitory properties of the tricyclic derivative doxepin in rats and dogs. Leitold M, et al. **Arzneimittelforsch** 1984;34(4):468–73
Prevention of gastric mucosal lesions in rats by tri-potassium di-citrato bismuthate. Malandrino S, et al. **Arzneimittelforsch** 1984;34(1):30–1
Antiulcer actions in rats of new synthetic polyisoprenoids. Ogawa M, et al. **Arzneimittelforsch** 1984;34(2):217–20
The anti-ulcerogenic activity of the unripe plantain banana (Musa species). Best R, et al. **Br J Pharmacol** 1984 May; 82(1):107–16
Sucralfate. A review of its pharmacodynamic properties and therapeutic use in peptic ulcer disease. Brogden RN, et al. **Drugs** 1984 Mar;27(3):194–209 (75 ref.)
Omeprazole provides protection against experimentally induced gastric mucosal lesions. Mattsson H, et al. **Eur J Pharmacol** 1983 Jul 15;91(1):111–4
Influence of food on the bioavailability of trimoprostil: an overview. Wills RJ. **J Clin Pharmacol** 1984 Apr; 24(4):194–201
The effect of levamisole on gastric ulcers induced in the rat by anti-inflammatory and necrotizing agents. Evangelista S, et al. **J Pharm Pharmacol** 1984 Apr;36(4):270–2
Studies on pharmacological activation of human serum IgG by chemical modification and active subfragments. I. Induction of anti-ulcerogenic activity by chemical cleavage of interchain disulfide bonds in human IgG and properties of active subfragments. Mimura T, et al. **J Pharmacobiodyn** 1983 Jun;6(6):397–407
Effects of nimbidin on acute and chronic gastro-duodenal ulcer models in experimental animals. Pillai NR, et al. **Planta Med** 1984 Apr;50(2):143–6
Cytoprotective and antisecretory effects of 11-deoxy-13,14-didehydro-16(s)-methyl PGE2 methylester (FCE 20700). Arrigoni C, et al. **Prostaglandins Leukotrienes Med** 1984 Jul;15(1):79–89
The effect of 3-methoxy-5,7,3',4'-tetrahydroxyflavan on the restraint induced gastric ulceration augmented by aspirin, a gastric mucosal barrier breaker. Parmar NS, et al. **Res Commun Chem Pathol Pharmacol** 1983 Aug; 41(2):337–40
[Influence of a muscle relaxant, tizanidine, on gastric acid secretion and gastric ulcer in rats] Watanabe K, et al. **Nippon Yakurigaku Zasshi** 1983 Oct;82(4):237–45 (Eng. Abstr.) (Jpn)
[Protective effects of matrine and oxymatrine on stress ulcer in relation to their effects on the central nervous system] Yamazaki M, et al. **Yakugaku Zasshi** 1984 Mar; 104(3):293–301 (Eng. Abstr.) (Jpn)
[Effect of 11-deoxyprostaglandin E1 on secretion of gastric juice] Bushueva GI, et al. **Fiziol Zh SSSR** 1983 Aug; 69(8):1104–8 (Rus)
[Effect of isoptin on the secretory and bioelectrical activity of the stomach in duodenal ulcer] Orlikov GA. **Sov Med** 1983;(9):50–2 (Eng. Abstr.) (Rus)

ADMINISTRATION & DOSAGE

Optimal dose of oral omeprazole for maximal 24 hour decrease of intragastric acidity. Sharma BK, et al. **Gut** 1984 Sep;25(9):957–64
The association of ranitidine and sucralfate in the short-term treatment of duodenal ulcers, as compared to other forms of treatment. Magnanelli M, et al. **Int J Tissue React** 1984; 6(2):189–93
Omeprazole in Zollinger-Ellison syndrome. Effects of a single dose and of long-term treatment in patients resistant to histamine H2-receptor antagonists. Lambers CB, et al. **N Engl J Med** 1984 Mar 22;310(12):758–61
[Serum gastrin levels before and after short-term treatment of duodenal ulcer with cimetidine and pirenzepin] Maleev A, et al. **Vutr Boles** 1983;22(3):59–64 (Eng. Abstr.) (Bul)
[Combined effect of FM-100 and several anti-ulcer agents on ulcer induced by ligation of the pylorus in rats] Nakamura K, et al. **Nippon Yakurigaku Zasshi** 1983 Jul; 82(1):11–8 (Eng. Abstr.) (Jpn)
[Treatment of acute and non-healing gastroduodenal ulcers with Gastrozol glue in ambulatory care] Strel'nikov BE, et al. **Klin Med (Mosk)** 1983 Oct;61(10):101–3 (Eng. Abstr.) (Rus)
[Treatment of peptic ulcer with gastrozepin] Grigor'ev PIa, et al. **Sov Med** 1984;(1):48–51 (Eng. Abstr.) (Rus)
[Comparative evaluation of the efficacy of complex anti-ulcer therapy and monotherapy] Grigor'ev PIa, et al. **Sov Med** 1984;(2):100–1 (Rus)
[Use of the antioxidant dibunol for the local treatment of gastroduodenal ulcers] Korochkin IM, et al. **Sov Med** 1983; (12):102–4 (Rus)

ADVERSE EFFECTS

Side effects of surgery and other treatments for benign peptic ulcer disease. Reed PI. **Acta Gastroenterol Belg** 1983 Sep-Oct;46(9-10):485–501 (82 ref.)
Phase I study of 2,4-diamino-6-(2,5-dichlorophenyl)-s-triazine maleate (MN-1695), a new anti-ulcer agent. Nakashima M, et al. **Arzneimittelforsch** 1984;34(4):492–8
Omeprazole: no evidence for frequent hepatic reactions [letter] Lööf L, et al. **Lancet** 1984 Jun 16;1(8390):1347–8
Sucralfate bezoar [letter] Algozzine GJ, et al. **N Engl J Med** 1983 Dec 1;309(22):1387

CHEMICAL SYNTHESIS

Synthesis of a new potent anti-ulcer and gastric secretory inhibiting agent, (-)-cis-2,3-dihydro-3-(4-methylpiperazinylmethyl)-2-phe hydrochloride (BTM-1086), and related compounds. Ohno S, et al. **Chem Pharm Bull (Tokyo)** 1983 May;31(5):1780–3
Synthesis of dl-9(O)-methanoprostaglandin-I1. Okazaki T, et al. **Chem Pharm Bull (Tokyo)** 1984 Feb;32(2):424–9
Azaprostaglandins. Synthesis and antiulcer activity of 11-deoxy-8-azaprostaglandin analogues. Baraldi PG, et al. **Farmaco [Sci]** 1983 Jul;38(7):498–507
[Anti-ulcerogenic derivatives in the thiocarbonylthiazolidine series: 3-pyridylthiocarbonyl[3,2-d]pyridothiazolidines] Jamoulle JC, et al. **Ann Pharm Fr** 1983;41(3):239–42 (Eng. Abstr.) (Fre)
[Compounds with potential gastric antisecretory and anti-ulcer activity. IV. Synthesis of 3- and 4-phenyl-2-oxo-5-[2-(methylpiperazine-1-yl)-acetyl]-1H-2,3,4,5-tetrahydropyrido[2,3-b] [1,4]diazepine] Bianchi M, et al. **Farmaco [Sci]** 1984 Feb;39(2):162–70 (Eng. Abstr.) (Ita)
[Indolin-2,3-dione-3,N-alkylamino- and

3,N-piperazinoacetylhydrazones, new substances with anti-ulcer and antisecretory activity] Catto A, et al. **Farmaco [Sci]** 1983 Aug;38(8):559-70 (Eng. Abstr.) **(Ita)**

[Synthesis of 2,4-oxazolidinedione and its derivatives] Kobayashi M, et al. **Yakugaku Zasshi** 1983 Nov; 103(11):1195-9 (Eng. Abstr.) **(Jpn)**

ISOLATION & PURIFICATION

The principles of Tetragonia tetragonoides having anti-ulcerogenic activity. II. Isolation and structure of cerebrosides. Okuyama E, et al. **Chem Pharm Bull (Tokyo)** 1983 Jul;31(7):2209-19

METABOLISM

Ranitidine disposition in patients with renal impairment. Meffin PJ, et al. **Br J Clin Pharmacol** 1983 Dec;16(6):731-4

Specific binding of sucralfate in gastric ulcer and gastritis. Sasaki H, et al. **Clin Ther** 1983;5(5):545-57

Oral pharmacokinetics of omeprazole. Howden CW, et al. **Eur J Clin Pharmacol** 1984;26(5):641-3

Pharmacokinetics of ranitidine in patients with chronic renal failure. McFadyen ML, et al. **Eur J Clin Pharmacol** 1983; 25(3):347-51

Binding of sucralfate to duodenal ulcer in man. Sasaki H, et al. **Scand J Gastroenterol [Suppl]** 1983;83:13-4

PHARMACODYNAMICS

Effect of 2,4-diamino-6-(2,5-dichlorophenyl)-s-triazine maleate (MN-1695) on gastric ulcers and gastric secretion in experimental animals. Ueda F, et al. **Arzneimittelforsch** 1984;34(4):474-7

Effect of 2,4-diamino-6-(2,5-dichlorophenyl)-s-triazine maleate (MN-1695) on gastric mucosal damage induced by various necrotizing agents in rats. Ueda F, et al. **Arzneimittelforsch** 1984;34(4):478-84

Effect of 2,4-diamino-6-(2,5-dichlorophenyl)-s-triazine maleate (MN-1695) on gastric mucosal blood flow in dogs. Ueda F, et al. **Arzneimittelforsch** 1984;34(4):485-91

N,N-dimethyl-10-(3-quinuclidinyl)-2-phenothiazine sulfonamide (LM 24056): mode of action of its gastric antisecretory effect. Vatier J, et al. **Arzneimittelforsch** 1983; 33(11):1573-6

Effect of 2'-carboxymethoxy-4,4'-bis(3-methyl-2-butenyloxy)chalc (SU-88) on prostaglandin metabolism in hog gastric mucosa. Muramatsu M, et al. **Biochem Pharmacol** 1984 Aug 15;33(16):2629-33

Inhibition of partially purified K+/H+-ATPase from guinea-pig isolated and enriched parietal cells by substituted benzimidazoles. Beil W, et al. **Br J Pharmacol** 1984 Jul;82(3):651-7

Omeprazole inhibits nocturnal and pentagastrin-stimulated gastric secretion in man. Wilson JA, et al. **Dig Dis Sci** 1984 Sep;29(9):797-801

Omeprazole, a gastric 'proton pump inhibitor': lack of effect on renal handling of electrolytes and urinary acidification. Howden CW, et al. **Eur J Clin Pharmacol** 1984;26(5):639-40

Effects of single and repeated doses of omeprazole on gastric acid and pepsin secretion in man. Howden CW, et al. **Gut** 1984 Jul;25(7):707-10

Antisecretory activity of pirenzepine versus cimetidine in man: a controlled study. Procacciante F, et al. **Gut** 1984 Feb;25(2):178-82

Possible role of pirenzepine on the release of pancreatic polypeptide in duodenal ulcer patients: preliminary results of a randomized cross-over study. Gasbarrini G, et al. **Int J Tissue React** 1983;5(4):379-85

Sulglycotide displays cytoprotective activity in rat gastric mucosa. Niada R, et al. **Int J Tissue React** 1983;5(3):285-8

The gastric anti-ulcer activity of naringenin, a specific histidine decarboxylase inhibitor. Parmar NS. **Int J Tissue React** 1983;5(4):415-20

Effect of omeprazole and polyethylene glycol-400 on antipyrine elimination by the isolated perfused rat liver. Webster LK, et al. **J Pharm Pharmacol** 1984 Jul;36(7):470-2

Studies on pharmacological activation of human serum IgG by chemical modification and active subfragments. II. Inhibitory effects of carboxamide-methylated L chain from human serum IgG on various ulcer models and its inhibition mechanism. Mimura T, et al. **J Pharmacobiodyn** 1983 Jul; 6(7):449-58

Effect of geranylgeranylacetone on aspirin-induced changes in gastric glycoproteins. Oketani K, et al. **Jpn J Pharmacol** 1983 Jun;33(3):593-601

Effect of an anti-ulcer agent, 2'-carboxymethoxy-4, 4'-bis (3-methyl-2-butenyloxy) chalcone (SU-88), on the biosynthesis of gastric sulfated mucosubstances in restrained and water-immersed rats. Suwa T, et al. **Jpn J Pharmacol** 1984 Jan;34(1):89-94

Cytoprotective effect of SU-88, an anti-ulcer agent, in the rat. Suwa T, et al. **Jpn J Pharmacol** 1984 May;35(1):47-53

Omeprazole inhibits elimination of diazepam [letter] Gugler R, et al. **Lancet** 1984 Apr 28;1(8383):969

Effects of pirenzepine (Gastrozepin) on skeletal muscle contractility. Ojewole JA. **Methods Find Exp Clin Pharmacol** 1983 Nov;5(9):619-23

Cimetidine-sucralfate drug interaction. Ritschel WA, et al. **Methods Find Exp Clin Pharmacol** 1984 May;6(5):261-3

Comparison of central gastric antisecretory effects of desmethylimipramine, doxepin and pirenzepine in rats. Pendleton RG, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Jun; 326(3):210-4

Further evidences on gastric cytoprotection exerted by pirenzepine. Varin L, et al. **Pharmacol Res Commun** 1984 Jul;16(7):653-65

Studies on the luteolytic activity of MDL-646, a new gastroprotective PGE1 analogue, in the hamster. Galliani G, et al. **Prostaglandins** 1984 Apr;27(4):583-90

[Inhibition by a 2-pyridyltetrahydrothiophene derivative (40749 RP) of gastric secretion stimulated by pentagastrin. Results in 30 duodenal ulcer patients] Toulet J, et al. **Gastroenterol Clin Biol** 1984 Feb;8(2):157-61 (Eng. Abstr.) **(Fre)**

[Suppression of acid secretion and plasma level of a once-daily dose of omeprazole] Müller P, et al. **Arzneimittelforsch** 1983;33(12):1685-6 (Eng. Abstr.) **(Ger)**

[Sucralfate (Ulcogant). Mechanism of action of a cytoprotective agent] Steiner KF. **Fortschr Med** 1983 Dec 8;101(46):2153-6 contd **(Ger)**

[4 weeks' administration of omeprazole: effect on acid behavior and basal hormone levels] Müller P, et al. **Z Gastroenterol** 1984 May;22(5):236-40 (Eng. Abstr.) **(Ger)**

[Omeprazole and inhibition of gastric acid secretion] Rossi G. **Recenti Prog Med** 1984 Apr;75(4):419-21 **(Ita)**

[Various factors affecting blood flow of the gastric mucosa (2). Effects of anti-ulcer agents on gastric mucosal hemodynamics, local hemoglobin-oxygen saturation, and ulcer indices in hemorrhagic rats] Quan LH, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 May;80(5):1126-31 (Eng. Abstr.) **(Jpn)**

[Effects of 3,4,5-trimethoxy-N-(3-piperidyl) benzamide (KU-54) on respiration of the gastric mucosa and liver in rats] Abe Y, et al. **Nippon Yakurigaku Zasshi** 1984 Apr; 83(4):317-24 (Eng. Abstr.) **(Jpn)**

[Combined effect of FM-100 and several anti-ulcer agents on ulcer induced by ligation of the pylorus in rats] Nakamura K, et al. **Nippon Yakurigaku Zasshi** 1983 Jul; 82(1):11-8 (Eng. Abstr.) **(Jpn)**

[Effects of single and combined administration FM-100 and cimetidine on serum gastrin levels in rats] Nakamura K, et al. **Nippon Yakurigaku Zasshi** 1983 Jun;81(6):499-505 (Eng. Abstr.) **(Jpn)**

[Gastrozepin—a new anti-ulcer agent (a review of the literature and the authors' own data)] Grigor'ev IIa, et al. **Ter Arkh** 1984;56(2):43-5 (11 ref.) (Eng. Abstr.) **(Rus)**

[Ranitidine] Acero D. **Med Clin (Barc)** 1983 Jul 2;81(4):171-7 (106 ref.) **(Spa)**

THERAPEUTIC USE

Importance of defensive factors in the prevention of peptic ulcer recurrence. Role of carbenoxolone sodium. Guslandi M. **Acta Gastroenterol Belg** 1983 Sep-Oct;46(9-10):411-8

Comparative study of carbenoxolone and cimetidine in the management of duodenal ulcer. Reed PI, et al. **Acta Gastroenterol Belg** 1983 Sep-Oct;46(9-10):459-68

Pirenzepine. Levinson RA. **Am J Gastroenterol** 1983 Nov; 78(11):765-6

Treatment of gastroduodenal ulcers with carbonic anhydrase inhibitors. Puşcaş I. **Ann NY Acad Sci** 1984;429:587-91

Therapeutic effects of cetraxate against acute gastritis and acute aggravation of chronic gastritis. Endoscopic investigation by the double-blind method. Yamagata S, et al. **Arzneimittelforsch** 1983;33(8):1191-5

Treatment of chronic duodenal ulcer. Piper DW, et al. **Aust Fam Physician** 1984 Feb;13(2):130-2

Drugs for peptic ulcers. Yeomans ND. **Aust NZ J Med** 1983 Dec;13(6):559-60

Omeprazole in duodenal ulceration: acid inhibition, symptom relief, endoscopic healing, and recurrence. Cooperative study. **Br Med J [Clin Res]** 1984 Sep 1;289(6444):525-8

Sucralfate, bismuth compounds, substituted benzimidazoles, trimipramine and pirenzepine in the short- and long-term treatment of duodenal ulcer. Tytgat GN, et al. **Clin Gastroenterol** 1984 May;13(2):543-68 (168 ref.)

Agents with tricyclic structures for treating peptic ulcer disease. Berardi RR, et al. **Clin Pharm** 1983 Sep-Oct; 2(5):425-31 (47 ref.)

Uncontrolled factors in controlled trials of peptic ulcer. Bonfils S, et al. **Dig Dis Sci** 1984 Sep;29(9):858-61

Effects of an antiulcer drug, sucralfate (a basic aluminum salt of sulfated disaccharide), on experimental gastric lesions and gastric secretion in rats. Okabe S, et al. **Dig Dis Sci** 1983 Nov;28(11):1034-42

Comparison of ranitidine and cimetidine in the treatment of chronic gastric ulcer. A double-blind trial. Kellow JE, et al. **Digestion** 1983;27(2):105-10

Ranitidine in cimetidine-resistant ulcers. Seligman M, et al. **Drug Intell Clin Pharm** 1983 Sep;17(9):629-30

Drugs for the prevention of peptic ulcer recurrence. Piper DW. **Drugs** 1983 Nov;26(5):439-53 (94 ref.)

Treatment of postsclerotherapy esophageal ulcers with sucralfate. Roark G. **Gastrointest Endosc** 1984 Feb; 30(1):9-10

Treatment of duodenal ulcer with pirenzepine and cimetidine. Brunner H, et al. **Gut** 1984 Feb;25(2):206-10

Effects of tripotassium dicitrato bismuthate (TDB) tablets or cimetidine in the treatment of duodenal ulcer. Hamilton I, et al. **Gut** 1983 Dec;24(12):1148-51

Randomised crossover trial of tripotassium dicitrato bismuthate versus high dose cimetidine for duodenal ulcers resistant to standard dose of cimetidine. Lam SK, et al. **Gut** 1984 Jul;25(7):703-6

Duodenal ulcers that will not heal [editorial] Pounder RE. **Gut** 1984 Jul;25(7):697-702

Pirenzepine in long-term therapy for duodenal ulcer. Capria A, et al. **Int J Clin Pharmacol Ther Toxicol** 1983 Aug; 21(8):422-4

Gastric cytoprotection by pirenzepine: role of endogenous catecholamines. Bernardini C, et al. **Int J Tissue React** 1984; 6(2):175-80

Sucralfate and carbenoxolone in the treatment of functional disturbances following partial gastrectomy. Corsini G, et al. **Int J Tissue React** 1984;6(2):185-8

Placebo in the evaluation of antiulcer drugs. Dobrilla G. **Int J Tissue React** 1983;5(4):329-37

Long-term treatment of duodenal ulcer with pirenzepine; gastric pH values and incidence of relapses: an open pilot study. Federici T, et al. **Int J Tissue React** 1983;5(4):353-5

Long-term management of duodenal ulcer with pirenzepine and cimetidine: a double-blind controlled clinical trial. Galeone M, et al. **Int J Tissue React** 1983;5(4):393-6

A controlled clinical trial with De-Nol (tripotassium dicitrato bismuthate) in patients with gastric ulcer. Patty I, et al. **Int J Tissue React** 1983;5(4):397-401

Comparison of colloidal bismuth subcitrate tablets and liquid in duodenal ulcer healing. Kellow JE, et al. **J Clin Gastroenterol** 1983 Oct;5(5):417-20

Peptic ulcer disease [editorial] Qureshi H. **JPMA** 1984 Mar; 34(3):46-8

Effect of synthetic acyclic polyisoprenoids on the cold-restraint stress induced gastric ulcer in rats. Murakami M, et al. **Jpn J Pharmacol** 1983 Jun;33(3):549-56

Changes in synthetic activity of sulfated mucosubstances in healing process of acetic acid ulcer in rats and effect of anti-ulcer agents. Suwa T, et al. **Jpn J Pharmacol** 1984 Apr;34(4):480-2

Relapse rates in duodenal ulcer patients formerly treated with bismuth subcitrate or maintained with cimetidine [letter] Bianchi Porro G, et al. **Lancet** 1984 Sep 22;2(8404):698

Microbes, peptic ulcer, and relapse rates with different drugs [letter] McLean AJ, et al. **Lancet** 1984 Sep 1;2(8401):525-6

RP 40749 in treatment of duodenal ulcer [letter] Nelis GF. **Lancet** 1984 Apr 7;1(8380):803

New drugs for peptic ulcer. Henry DA. **Med J Aust** 1984 Sep 1;141(5):303-8

Sucralfate for peptic ulcer—a reappraisal. **Med Lett Drugs Ther** 1984 Apr 27;26(660):43-4

Pharmacologic control of gastric acid secretion in peptic ulcer. Konturek SJ. **Mt Sinai J Med (NY)** 1983 Nov-Dec; 50(6):457-67 (86 ref.)

Pump blockers and ulcer disease [editorial] Sachs G. **N Engl J Med** 1984 Mar 22;310(12):785-6

Evaluation of prophylactic activity of drugs on swine gastroesophageal ulcer induced by betazole-reserpine using the method of endoscopy. Kokue E, et al. **Nippon Juigaku Zasshi** 1983 Apr;45(2):143-9

Medical therapy of peptic ulcer disease. Lorber SH, et al. **Penn Med** 1983 Dec;86(12):55-7

The lack of effects of somatostatin on gastric responses induced by electrical vagal stimulation. Cho CH, et al. **Pharmacol Biochem Behav** 1983 Dec;19(6):925-7

Proceedings of the 2nd International Sucralfate Symposium, The 7th World Congress of Gastroenterology, Stockholm 1982. **Scand J Gastroenterol [Suppl]** 1983;83:1-82

Effect of sucralfate on peptic ulcer recurrence: a controlled double-blind multicenter study. Classen M, et al. **Scand J Gastroenterol [Suppl]** 1983;83:61-8

Controlled comparison of sucralfate and cimetidine in duodenal ulcer. Hentschel E, et al. **Scand J Gastroenterol [Suppl]** 1983;83:31-5

Sucralfate, and cimetidine for gastric ulcer. Lahtinen J, et al. **Scand J Gastroenterol [Suppl]** 1983;83:49-51

Maintenance treatment of patients with healed peptic ulcer with sucralfate, placebo and cimetidine. Libeskind M. **Scand J Gastroenterol [Suppl]** 1983;83:69-70

Maintenance sucralfate and duodenal ulcer relapse--an interim report. Marks IN, et al. **Scand J Gastroenterol [Suppl]** 1983;83:71-3

Relapse rates following initial ulcer healing with sucralfate and cimetidine. Marks IN, et al. **Scand J Gastroenterol [Suppl]** 1983;83:53-6

Short-term treatment with sucralfate or cimetidine in gastric ulcer: preliminary results of a controlled randomized trial. Martin F, et al. **Scand J Gastroenterol [Suppl]** 1983;83:37-41

Double-blind placebo-controlled evaluation of one year therapy with sucralfate in healed duodenal ulcer. Moshal MG, et al. **Scand J Gastroenterol [Suppl]** 1983;83:57-9

Effect of sucralfate on ethanol-induced gastric mucosal damage in the rat. Nagashima R, et al. **Scand J Gastroenterol [Suppl]** 1983;83:17-20

Comparison of sucralfate and cimetidine in the treatment of duodenal and gastric ulcers. A multicenter study. Pop P, et al. **Scand J Gastroenterol [Suppl]** 1983;83:43-7

Inhibition of peptic aggression by sucralfate. The view from the ulcer crater. Samloff IM. **Scand J Gastroenterol [Suppl]** 1983;83:7-11

Prevention of experimental duodenal ulcer in the rat by sucralfate. Smolow CR, et al. **Scand J Gastroenterol [Suppl]** 1983;83:15-6

A placebo-controlled, double-blind study of sucralfate in the short-term treatment of duodenal ulcer. Sung JL, et al. **Scand J Gastroenterol [Suppl]** 1983;83:21-4

[Treatment of duodenal ulcer with biomet] Brailski Kh, et

al. **Vutr Boles** 1983;22(5):37–42 (Eng. Abstr.) **(Bul)**
[Treatment of peptic ulcer with Alcid V] Brailski Kh, et al. **Vutr Boles** 1983;22(1):12–8 (Eng. Abstr.) **(Bul)**
[Treatment of duodenal ulcer with berbazol] Chakürski I. **Vutr Boles** 1984;23(1):18–23 (Eng. Abstr.) **(Bul)**
[Circadian changes in gastric acidity during drug therapy of duodenal ulcer] Matincheva R, et al. **Vutr Boles** 1983; 22(6):52–8 (Eng. Abstr.) **(Bul)**
[Pirenzepine in the treatment of duodenal ulcer—a multicenter double blind study] Pan QY. **Chung Hua Nei Ko Tsa Chih** 1983 Jul;22(7):429–30 (Eng. Abstr.) **(Chi)**
[The protective effects of furazolidone and some commonly used anti-ulcer drugs on several gastric ulcer models in rats] Zhang SR, et al. **Yao Hsueh Hsueh Pao** 1984 Jan; 19(1):5–11 (Eng. Abstr.) **(Chi)**
[Treatment of gastroduodenal ulcers with newer drugs] Zelenková J, et al. **Vnitr Lek** 1983 Aug;29(8):802–7 (Eng. Abstr.) **(Cze)**
[Drugs are effective in the treatment of a duodenal ulcer episode. Can they modify the course of the disease?] Ligny G. **Acta Gastroenterol Belg** 1983 Nov–Dec;46(11–12):505–9 **(Fre)**
[Innovations in the medical therapy of gastroduodenal ulcers] Loly J. **Rev Med Liege** 1984 May 1;39(9):365–7 **(Fre)**
[Recent advances in the treatment of gastro-duodenal ulcers] Morandi D. **Rev Med Suisse Romande** 1984 May; 104(5):379–86 **(Fre)**
[Treatment of stomach ulcers with cimetidine and pirenzepine] Gonvers JJ, et al. **Schweiz Med Wochenschr** 1984 May 19;114(20):706–8 (Eng. Abstr.) **(Fre)**
[Antisecretory and mucosa-protecting drugs in the acute care of peptic ulcer. Review of action principles, healing rates and side effects of approved ulcer drugs and drugs under clinical trial] Simon B, et al. **Fortschr Med** 1984 Jul 12; 102(25–26):683–7 **(Ger)**
[Anti-ulcer agents. Clinico-experimental findings] Dammann HG, et al. **Med Welt** 1984 Feb 17;35(7):233–6 **(Ger)**
[Ulcer therapy without acid inhibition] Koelz HR. **Schweiz Med Wochenschr** 1984 May 19;114(20):686–93 (Eng. Abstr.) **(Ger)**
[Pirenzepin—a new drug in peptic diseases] Pavlotzky M, et al. **Harefuah** 1983 Feb 1;104(3):112–6 **(Heb)**
[Efficacy of anti-ulcer agents judged from background factors of stomach ulcer] Fukuchi S, et al. **Nippon Rinsho** 1984 Jan;42(1):144–9 **(Jpn)**
[Selective muscarinic receptor antagonists] Kishimoto S, et al. **Nippon Rinsho** 1984 Jan;42(1):114–9 (24 ref.) **(Jpn)**
[Controversies on the drug treatment of peptic ulcer] Mincis M. **Rev Paul Med** 1984 May–Jun;102(3):122–4 (Eng. Abstr.) **(Por)**
[Endoscopic follow-up of recurrences of gastroduodenal ulcer after treatment with Ulcosilvanil (4-year study)] Puşcaş I, et al. **Rev Med Interna [Med Interna]** 1983 Jul–Aug;35(4):357–9 **(Rum)**
[Effect of 1-(chloromethyl)silatrane on biochemical indices in the tissue of experimental gastric ulcer] Kuznetsov IG, et al. **Biull Eksp Biol Med** 1984 Jun;97(6):658–60 (Eng. Abstr.) **(Rus)**
[Use of neurotropic agents stimulating tissue trophic processes in treating ulcerative lesions of the gastric mucosa] Zavodskaia IS, et al. **Farmakol Toksikol** 1984 Mar–Apr;47(2):23–8 (Eng. Abstr.) **(Rus)**
[Treatment of peptic ulcer with ulcosilvanil] Grigor'ev PIa, et al. **Sov Med** 1984;(2):102–4 **(Rus)**
[Duodenal ulcer: multiple medical treatments (letter)] Acero Fernández D. **Med Clin (Barc)** 1983 Jun 18;81(2):87–8 **(Spa)**
[Treatment of duodenal ulcer with pirenzepin] Hoffenberg P. **Rev Med Chil** 1983 Apr;111(4):419–23 (Eng. Abstr.) **(Spa)**
[Current medical treatment of ulcer disease] Walan A. **Lakartidningen** 1984 Apr 25;81(17):1727–33 **(Swe)**

TOXICITY

Toxicity studies on nimbidin, a potential antiulcer drug. Pillai NR, et al. **Planta Med** 1984 Apr;50(2):146–8

URINE

Metabolites of esaprazole in rat, dog and human urine. Ventura P, et al. **Farmaco [Prat]** 1984 Jun;39(6):190–8

ANTIVENINS

ADMINISTRATION & DOSAGE

Successful venomous snakebite neutralization with massive antivenin infusion in a child. Buntain WL. **J Trauma** 1983 Nov;23(11):1012–4
Rattlesnake bites [letter] Wingert WA. **West J Med** 1984 Jan; 140(1):100–1

ADVERSE EFFECTS

Prevention and treatment of snakebite [letter] **Ann Emerg Med** 1984 Mar;13(3):215–6
Venomous snakebite in a patient allergic to horse serum. Otten EJ, et al. **Ann Emerg Med** 1983 Oct;12(10):624–7
Cobra envenomation: an uncommon emergency. Stueven H, et al. **Ann Emerg Med** 1983 Oct;12(10):636–8
Snakebite treatment [letter] **South Med J** 1984 Feb; 77(2):279–80
Anaphylaxis in pregnancy. Entman SS, et al. **South Med J** 1984 Mar;77(3):402

IMMUNOLOGY

Cross-reactivity of bardick snake venom with death adder antivenom. Marshall LR, et al. **Med J Aust** 1984 Apr 28; 140(9):541–2
Anaphylaxis in guinea pigs challenged with antivenin preparations. Jeter WS, et al. **Toxicon** 1983;21(5):729–30

PHARMACODYNAMICS

In vivo test of the ability of antiserum to myotoxin a from prairie rattlesnake (Crotalus viridis viridis) venom to neutralize local myonecrosis induced by myotoxin a and homologous crude venom. Ownby CL, et al. **Toxicon** 1984; 22(1):99–105
A new method for quantitating hemorrhage induced by rattlesnake venoms: ability of polyvalent antivenom to neutralize hemorrhagic activity. Ownby CL, et al. **Toxicon** 1984;22(2):227–33

STANDARDS

Progress in the characterization of venoms and standardization of antivenoms. **WHO Offset Publ** 1981; (58):1–44

SUPPLY & DISTRIBUTION

Producers of antivenom sera. Chippaux JP, et al. **Toxicon** 1983;21(6):739–52

THERAPEUTIC USE

The management of snake bite. Reid HA, et al. **Bull WHO** 1983;61(6):885–95
Scorpion sting: successful treatment with nonhomologous antivenin. Pomeranz A, et al. **Isr J Med Sci** 1984 May; 20(5):451–2
Sea-wasp antivenom in a toddler [letter] Boyd W. **Med J Aust** 1984 Apr 14;140(8):504
Sea snake envenomation at Bondi. Fulde GW, et al. **Med J Aust** 1984 Jul 7;141(1):44–5
Treatment of scorpion sting [letter] Laubscher HH. **S Afr Med J** 1983 Oct 29;64(19):731
Russell's viper venom levels in serum of snake bite victims in Burma. Khin Ohn Lwin, et al. **Trans R Soc Trop Med Hyg** 1984;78(2):165–8
Snakebite in the tropics: experience in Makurdi, Nigeria. Idoko A, et al. **Trop Geogr Med** 1984 Jun;36(2):175–80
Rattlesnake bites in Northern California. Butner AN. **West J Med** 1983 Aug;139(2):179–83
[A case of bite by Naja Naja Naja in India. Problems posed by the treatment of snake bites] Lagraulet J. **Bull Soc Pathol Exot Filiales** 1984 Mar–Apr;77(2):216–21 (Eng. Abstr.) **(Fre)**
[Serum therapy after viper bites] Persson H, et al. **Lakartidningen** 1984 Jul 25;81(30–31):2752 **(Swe)**

ANTIVIRAL AGENTS

Antiherpes activity of some novel analogues of (E)-5-(2-bromovinyl)-2'-deoxyuridine (E-BrVUdR) in two different cell lines. Reefschläger J, et al. **Acta Virol (Praha)** 1984 Jan;28(1):1–10
Antiviral activity of aryl-furfurane derivatives. Votyakov VI, et al. **Acta Virol (Praha)** 1984 Jan;28(1):33–8
Efficacy and selectivity of some nucleoside analogs as anti-human cytomegalovirus agents. Colacino JM, et al. **Antimicrob Agents Chemother** 1983 Oct;24(4):505–8
Broad-spectrum antiviral activity of 2-beta-D-ribofuranosylselenazole-4-carboxamide, a new antiviral agent. Kirsi JJ, et al. **Antimicrob Agents Chemother** 1983 Sep;24(3):353–61
Synergistic antiviral activity of acyclovir and interferon on human cytomegalovirus. Smith CA, et al. **Antimicrob Agents Chemother** 1983 Sep;24(3):325–32
A novel method for detecting the antiviral activity of flavans in their vapour phase. Bauer DJ, et al. **Antiviral Res** 1983 Nov;3(4):235–9
Antiviral activity of tetrahydro-2(1H)-pyrimidinones and related compounds. Galabov AS, et al. **Arzneimittelforsch** 1984;34(1):9–14
Antineoplastic and antiherpetic activity of spermidine catecholamide iron chelators. Bergeron RJ, et al. **Biochem Biophys Res Commun** 1984 Jun 29;121(3):848–54
Protection induced in chick embryos against Ranikhet disease virus by some plant extracts or their fractions. Babbar OP, et al. **Indian J Exp Biol** 1983 Nov;21(11):637–8
Expression of the anti-retrovirus action of interferon in human cells which exhibit a reduced number of receptors for interferon. Tomita Y, et al. **J Biochem (Tokyo)** 1984 Feb;95(2):495–501
Antiviral activity of C-5 substituted tubercidin analogues. Bergstrom DE, et al. **J Med Chem** 1984 Mar;27(3):285–92
Synthesis and biological activity of certain 3,4-disubstituted pyrazolo[3,4-d]pyrimidine nucleosides. Cottam HB, et al. **J Med Chem** 1984 Sep;27(9):1119–27
Serotyping of herpes simplex virus isolates: a comparison of BVDU sensitivities, indirect immunofluorescence with monoclonal antibodies, and indirect immunofluorescence with cross-adsorbed rabbit antibodies. Sacks SL, et al. **J Virol Methods** 1983 Oct;7(4):199–206
Pokeweed antiviral protein. Irvin JD. **Pharmacol Ther** 1983; 21(3):371–87 (45 ref.)
Plant antiviral agents. IV. Influence of lycorine on growth pattern of three animal viruses. Ieven M, et al. **Planta Med** 1983 Oct;49(2):109–14
Antimicrobial, antiamoebic and antiviral screening of some Tabernaemontana species. van Beek TA, et al. **Planta Med** 1984 Apr;50(2):180–5
DNA and RNA virus species are inhibited by xanthates, a class of antiviral compounds with unique properties. Sauer G, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(11):3263–7
[Antiviral action of derivatives of 1,3,4-oxadiazine on the reproduction of type A influenza viruses in vivo in white mice] Gagov I, et al. **Acta Microbiol Bulg** 1984;14:124–8 (Eng. Abstr.) **(Bul)**
[Antiviral action of derivatives of 1,3,4-oxadiazine on reproduction of infectious rhinotracheitis virus] Gagov I, et al. **Acta Microbiol Bulg** 1984;14:129–32 (Eng. Abstr.) **(Bul)**
[Antiviral action of derivatives of 1,3,4-oxadiazine on reproduction of type A influenza viruses in vitro] Mikhaĭlov I, et al. **Acta Microbiol Bulg** 1984;14:120–3 (Eng. Abstr.) **(Bul)**
[Inhibitory effects of some crude and semi-purified extracts of indigenous French plants on the multiplication of human herpesvirus 1 and poliovirus 2 in cell culture] Suganda AG, et al. **J Nat Prod** 1983 Sep–Oct;46(5):626–32 (Eng. Abstr.) **(Fre)**
[Antiviral activity of furocoumarins] Palù G, et al. **G Ital Chemioter** 1984 Jan–Aug;31(1–2):49–54 (Eng. Abstr.) **(Ita)**
[Virus-inhibiting properties of the carbonyl-conjugated pentaene roseofungin] Shneider MA, et al. **Antibiotiki** 1984 May;29(5):344–9 (Eng. Abstr.) **(Rus)**
[Prodectin in the treatment of viral hepatitis] Kozhukhova EA, et al. **Sov Med** 1983;(10):96–7 **(Rus)**

ADMINISTRATION & DOSAGE

Identification of a plasma metabolite of 5-(2-bromo-E-ethenyl)-2'-deoxyuridine. Robinson Y, et al. **Biomed Mass Spectrom** 1984 Apr;11(4):199–201
Prevention of growth of leukemia cells in mice by monoclonal antibodies directed against Thy 1.1 antigen disulfide linked to two ribosomal inhibitors:pokeweed antiviral protein or ricin A chain. Ramakrishnan S, et al. **Cancer Res** 1984 Apr;44(4):1398–404
Tromantadine hydrochloride in the treatment of herpes simplex. Results of a double-blind therapeutic trial and an open prophylactic investigation. Hellgren L, et al. **Dermatologica** 1983;167(5):267–72
Combined chemotherapy of cutaneous herpes simplex infection of the guinea pig. Burkhardt U, et al. **J Med Virol** 1983;12(2):137–47
Thymine arabinoside (Ara-T) topical and iontophoretic application for herpes simplex virus type 1 and type 2 skin infections in hairless mice. Hill JM, et al. **Methods Find Exp Clin Pharmacol** 1984 Jan;6(1):17–20

ADVERSE EFFECTS

Allergic dermatitis from Viruserol ointment probably due to tromantadine hydrochloride. Lembo G, et al. **Contact Dermatitis** 1984 May;10(5):317
Hypokalemia and sodium retention in patients with diabetes and chronic hepatitis receiving insulin and glycyrrhizin. Fujiwara Y, et al. **Endocrinol Jpn** 1983 Apr;30(2):243–9

ANALYSIS

Electrochemistry of double-stranded complexes of synthetic polyribonucleotides having interferonogenic and antiviral activity. Brabec V, et al. **Gen Physiol Biophys** 1983 Dec; 2(6):487–97

ANTAGONISTS & INHIBITORS

Kinetic analysis in cell culture of the reversal of antiherpes activity of nucleoside analogs by thymidine. Larsson A, et al. **Antimicrob Agents Chemother** 1983 Nov;24(5):819–22
[Resistance of various herpes simplex virus strains to the action of chemical inhibitors] Gibadulin RA, et al. **Vopr Virusol** 1983 Jul–Aug;28(4):87–90 (Eng. Abstr.) **(Rus)**

BLOOD

A single-tube radioimmunoassay for the antiviral agent 2,6-diamino-9-(2-hydroxyethoxymethyl)purine (A134U). Quinn RP, et al. **Anal Biochem** 1983 Oct 1;134(1):16–25

CHEMICAL SYNTHESIS

P-chlorophenylamide of 3-methyl-5-benzoylaminoisothiazole-4-carboxylic acid (ITCL, Wratizolin)—the new antiviral drug. Machoň Z. **Arch Immunol Ther Exp (Warsz)** 1983;31(5):579–82
Synthesis of some new substituted thiosemicarbazides as potential antiviral agents. Singh SP, et al. **Arch Pharm (Weinheim)** 1983 Oct;316(10):817–21
Synthesis and evaluation of a series of 2'-O-acyl derivatives of 9-beta-D-arabinofuranosyladenine as antiherpes agents. Baker DC, et al. **J Med Chem** 1984 Mar;27(3):270–4
An evaluation of certain chain-extended analogues of 9-beta-D-arabinofuranosyladenine for antiviral and

cardiovascular activity. Baker DC, et al. **J Med Chem** 1983 Oct;26(10):1530–4

Pyrazolo[4,3–d]pyrimidine nucleosides. Synthesis and antiviral activity of 1–beta–D–ribofuranosyl–3–methyl–6–substituted–7H–pyra imi din–7–ones. Baraldi PG, et al. **J Med Chem** 1984 Aug; 27(8):986–90

Synthesis of (E)–5–(3,3,3–trifluoro–1–propenyl)–2'–deoxyuridine and related analogues: potent and unusually selective antiviral activity of (E)–5–(3,3,3–trifluoro–1–propenyl)–2'–deoxyuridine against herpes simplex virus type 1. Bergstrom DE, et al. **J Med Chem** 1984 Mar;27(3):279–84

Synthesis of some phosphonates with antiherpetic activity. Diana GD, et al. **J Med Chem** 1984 May;27(5):691–4

Synthesis and antiviral evaluation of carbocyclic analogues of ribofuranosides of 2–amino–6–substituted–purines and of 2–amino–6–substituted–8–azapurines. Shealy YF, et al. **J Med Chem** 1984 May;27(5):670–4

Synthesis and antiviral/antitumor activities of certain pyrazolo[3,4–d]pyrimidine–4(5H)–selone nucleosides and related compounds. Ugarkar BG, et al. **J Med Chem** 1984 Aug;27(8):1026–30

Nucleosides. 129. Synthesis of antiviral nucleosides: 5–alkenyl–1–(2–deoxy–2–fluoro–beta–D–arabinofuranosyl) Watanabe KA, et al. **J Med Chem** 1984 Jan;27(1):91–4

Novel indolene–spiro–hydroxytetronimides as potential antineoplastic and antiviral agents. Soliman FS, et al. **Pharmazie** 1983 Sep;38(9):585–6

[Synthesis of various acyclic analogs of pyrimidine nucleosides] Roveri P, et al. **Farmaco [Sci]** 1984 Apr; 39(4):346–52 (Eng. Abstr.) **(Ita)**

DIAGNOSTIC USE

Diagnostic imaging of herpes simplex virus encephalitis using a radiolabeled antiviral drug: autoradiographic assessment in an animal model. Saito Y, et al. **Ann Neurol** 1984 Jun; 15(6):548–58

IMMUNOLOGY

[Comparative testing of the quality of foot–and–mouth disease vaccines prepared with different virus inactivators] Dilovski M, et al. **Vet Med Nauki** 1983;20(5–6):41–5 (Eng. Abstr.) **(Bul)**

ISOLATION & PURIFICATION

Purification and characterization of a cytostatic factor with anti–viral activity from the bitter melon. Takemoto DJ, et al. **Prep Biochem** 1983;13(5):397–421

Purification and characterization of a cytostatic factor with anti–viral activity from the bitter melon. Takemoto DJ, et al. **Prep Biochem** 1983;13(4):371–93

[Progress of antibiotics and research on antiviral agent] Hata T. **Nippon Saikingaku Zasshi** 1983 Jul;38(4):677–81 (12 ref.) **(Jpn)**

METABOLISM

Metabolism of the broad–spectrum antiviral agent, 9–(S)–(2,3–dihydroxypropyl) adenine, in different cell lines. Votruba I, et al. **Acta Virol (Praha)** 1983 May;27(3):273–6

Biological evaluation of Wratizolin penetration from ointments to the skin. Inglot AD, et al. **Arch Immunol Ther Exp (Warsz)** 1983;31(5):631–40

A comparison of the antiviral agents 2'–nor–2'–deoxyguanosine and acyclovir: uptake and phosphorylation in tissue culture and kinetics of in vitro inhibition of viral and cellular DNA polymerases by their respective triphosphates. Germershausen J, et al. **Biochem Biophys Res Commun** 1983 Oct 31;116(2):360–7

Metabolism of 9–(1,3–dihydroxy–2–propoxymethyl)guanine, a new anti–herpes virus compound, in herpes simplex virus–infected cells. Cheng YC, et al. **J Biol Chem** 1983 Oct 25;258(20):12460–4

Regeneration of the antiviral drug (E)–5–(2–bromovinyl)–2'–deoxyuridine in vivo. Desgranges C, et al. **Nucleic Acids Res** 1984 Feb 24; 12(4):2081–90

6–Deoxyacyclovir: a xanthine oxidase–activated prodrug of acyclovir. Krenitsky TA, et al. **Proc Natl Acad Sci USA** 1984 May;81(10):3209–13

PHARMACODYNAMICS

Development of resistance to 2–(1–amino–ethyl)–bicyclo (2.2.1) heptane chlorohydrate in influenza A virus. Gribkova NV, et al. **Acta Virol (Praha)** 1984 Jan; 28(1):69–72

Antiviral and anticellular effects of synthetic (2'–5')–oligoadenylate (A 2' p 5' A 2' p 5' A) in Rauscher murine leukaemia. Kára J, et al. **Acta Virol (Praha)** 1983 Nov;27(6):477–83

Effect of lysolecithin analogues on plant viruses. Kluge S, et al. **Acta Virol (Praha)** 1984 Mar;28(2):128–33

Antiviral activity of enzymatically oxidized caffeic acid against herpesvirus hominis type 1 and type 2. Thiel KD, et al. **Acta Virol (Praha)** 1983 May;27(3):200–8

Synergistic antiviral effects of antiherpes compounds and human leukocyte interferon on varicella–zoster virus in vitro. Baba M, et al. **Antimicrob Agents Chemother** 1984 Apr;25(4):515–7

Nucleic acid hybridization for measurement of effects of antiviral compounds on human cytomegalovirus DNA replication. Gadler H. **Antimicrob Agents Chemother** 1983 Sep;24(3):370–4

Antiviral activity of SK&F 21681 against herpes simplex virus. Katz E, et al. **Antimicrob Agents Chemother** 1984 Feb;25(2):195–200

Antiviral effects of hygromycin B, a translation inhibitor nonpermeant to uninfected cells. Lacal JC, et al. **Antimicrob Agents Chemother** 1983 Aug;24(2):273–5

Effect of 9–(1,3–dihydroxy–2–propoxymethyl)guanine on human cytomegalovirus replication in vitro. Mar EC, et al. **Antimicrob Agents Chemother** 1983 Oct;24(4):518–21

Susceptibility of vaccine strains of varicella–zoster virus to antiviral compounds. Preblud SR, et al. **Antimicrob Agents Chemother** 1984 Apr;25(4):417–21

Strains of varicella–zoster virus resistant to 1–beta–D–arabinofuranosyl–E–5–(2–bromovinyl)uracil. Sakuma T. **Antimicrob Agents Chemother** 1984 Jun; 25(6):742–6

Effects of the nucleoside analog 2'–nor–2'–deoxyguanosine on human cytomegalovirus replication. Tocci MJ, et al. **Antimicrob Agents Chemother** 1984 Feb;25(2):247–52

Comparison of the antiviral effects of 5–methoxymethyldeoxyuridine–5'–monophosphate with adenine arabinoside–5'–monophosphate. Ayisi NK, et al. **Antiviral Res** 1983 Sep;3(3):161–74

Broad–spectrum antiviral activity of adenosine analogues. De Clercq E, et al. **Antiviral Res** 1984 Jun;4(3):119–33

Inhibitory effect of Distamycin–A and a pyrazino–pyrazine derivative on tomato spotted wilt virus. De Fazio G, et al. **Antiviral Res** 1983 Aug;3(2):109–13

Nucleic acid hybridization, a method to determine effects of antiviral compounds on herpes simplex virus type 1 DNA synthesis. Gadler H, et al. **Antiviral Res** 1984 Apr; 4(1–2):63–70

Virus drug–resistance: mechanisms and consequences. Larder BA, et al. **Antiviral Res** 1984 Apr;4(1–2):1–42 (283 ref.)

Antiherpetic activity and mechanism of action of 9–(4–hydroxybutyl)guanine. Larsson A, et al. **Antiviral Res** 1983 Aug;3(2):77–86

In vitro and in vivo antiviral activity of 1–beta–D–arabinofuranosyl–E–5–(2–bromovinyl)uracil (BV–araU) and related compounds. Machida H, et al. **Antiviral Res** 1984 Jun;4(3):135–41

A colorimetric assay for the measurement of the sensitivity of herpes simplex viruses to antiviral agents. McLaren C, et al. **Antiviral Res** 1983 Nov;3(4):223–34

In vitro effect of (E)–5–(2–bromovinyl)–2'–deoxyuridine, 5'–amino–5–iodo–2',5'–dideoxyuridine and 2–deoxy–D–glucose on latent ganglionic herpes simplex virus infection. Pavan–Langston D, et al. **Antiviral Res** 1984 Apr;4(1–2):53–61

Antiherpes activity of (E)–5–(2–bromovinyl)– and 5–vinyl–1–beta–D–arabinofuranosyluracil and some other 5–substituted uracil arabinosyl nucleosides in two different cell lines. Reefschläger J, et al. **Antiviral Res** 1983 Sep; 3(3):175–87

5–substituted deoxyuridines—structural requirements for antiviral activity against herpes simplex virus types 1 and 2 and possible biochemical basis for relative potency. Sim IS, et al. **Antiviral Res** 1984 Jun;4(3):159–68

Antiviral activity of Wratizolin. Inglot AD. **Arch Immunol Ther Exp (Warsz)** 1983;31(5):601–10

Herpes simplex acyclovir–resistant mutant in experimental keratouveitis. Boisjoly HM, et al. **Arch Ophthalmol** 1983 Nov;101(11):1782–6

Antiviral effects of Corynebacterium parvum and its effect on the interferon system in mice. Kirchner H, et al. **Behring Inst Mitt** 1984 May;(74):183–8

Potent synergistic inhibition of herpes simplex virus–2 by 9–[(1, 3–dihydroxy–2–propoxy)methyl]guanine in combination with recombinant interferons. Eppstein DA, et al. **Biochem Biophys Res Commun** 1984 Apr 16; 120(1):66–73

Biochemical aspects of the selective antiherpes activity of nucleoside analogues. De Clercq E. **Biochem Pharmacol** 1984 Jul 15;33(14):2159–69 (134 ref.)

Effects of chirality in 9–(2–hydroxy–3–nonyl)adenine upon deoxyribonucleic acid synthesis in herpes simplex virus–infected cells. North TW, et al. **Biochem Pharmacol** 1983 Dec 1;32(23):3541–6

A gel filtration method to test the efficiency of virucidal disinfectants. Aidaros H, et al. **Comp Immunol Microbiol Infect Dis** 1983;6(3):221–6

Characterization of a plant virus inhibitor from two Solanum species. Roychoudhury R, et al. **Indian J Exp Biol** 1983 Apr;21(4):212–5

Mode of action of the antiphytoviral compound 2,4–dioxohexahydro–1,3,5–triazine (5–azadihydrouracil). Schuster G, et al. **Intervirology** 1984;21(3):134–40

Opportunities for the development and use of anti–herpes virus drug combinations. Hall MJ. **J Antimicrob Chemother** 1984 Jun;13(6):529–34

Contribution of molecular biology to the understanding and control of microbial infections. Pittard AJ. **J Dent Res** 1984 Mar;63(3):374–7

Selective inhibition of viral gene expression as the mechanism of the antiviral action of PGA1 in vaccinia virus–infected cells. Benavente J, et al. **J Gen Virol** 1984 Mar;65 (Pt 3):599–608

Single mutations at many sites within the DNA polymerase locus of herpes simplex viruses can confer hypersensitivity to aphidicolin and resistance to phosphonoacetic acid. Honess RW, et al. **J Gen Virol** 1984 Jan;65 (Pt 1):1–17

Effects of certain nucleoside analogues on human cytomegalovirus replication in vitro. Mar EC, et al. **J Gen Virol** 1984 Jan;65 (Pt 1):47–53

Antiviral activity of a thymic factor in experimental viral infections. I. Thymic hormonal effect on survival, interferon production and NK cell activity in Mengo virus–infected mice. Klein AS, et al. **J Immunol** 1984 Jun; 132(6):3159–63

Cell and virus sensitivity studies with recombinant human alpha interferons. Kramer MJ, et al. **J Interferon Res** 1983; 3(4):425–35

Novel N–hydroxyguanidine derivatives as anticancer and antiviral agents. Tai AW, et al. **J Med Chem** 1984 Feb; 27(2):236–8

Phosphonoformic acid–inhibitable nucleotide incorporation as a measure of hepatitis B viral DNA polymerase activity. Lin HJ, et al. **J Med Virol** 1983;12(1):61–70

Prolonged inhibitory effect of 9–(1,3–dihydroxy–2–propoxymethyl)guanine against replication of Epstein–Barr virus. Lin JC, et al. **J Virol** 1984 Apr;50(1):50–5

Parameters for the characterization of antiviral compounds in cell culture experiments. Horváth S. **J Virol Methods** 1984 Feb;8(1–2):47–55

The determination of effective antiviral doses using a computer program for sigmoid dose–response curves. Taylor JL, et al. **J Virol Methods** 1984 May;8(3):225–32

Properties of antiviral agents. 1. Nicholson KG. **Lancet** 1984 Sep 1;2(8401):503–6

Effect of coumermycin on influenza A virus replicative cycle. Portincasa P, et al. **Microbiologica** 1984 Apr;7(2):121–32

Adenovirus DNA synthesized in the presence of aphidicolin. Oguro M, et al. **Nucleic Acids Res** 1984 Jan 25; 12(2):1077–86

Antiviral effects of phosphonoformate (PFA, foscarnet sodium). Oberg B. **Pharmacol Ther** 1982;19(3):387–415 (93 ref.)

Chemical control of virus diseases of plants. Cassells AC. **Prog Med Chem** 1983;20:119–55 (170 ref.)

Approaches to new antibacterial and antiviral antibiotics. Thrum H. **Riv Biol** 1983 Summer;76(2):349–57 (25 ref.)

Mechanism of antiviral activity of (XyloA2'p)2XyloA. Eppstein DA, et al. **Virology** 1983 Dec;131(2):341–54

N–methyl–1–deoxynojirimycin, a novel inhibitor of glycoprotein processing, and its effect on fowl plague virus maturation. Romero PA, et al. **Virology** 1983 Oct 15; 130(1):238–42

Inhibitory effect of N–phenyl–N'–3–hydroxyphenylthiourea (PTU–23) on the reproduction of encephalomyocarditis virus in Krebs–II cells. Galabov AS, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 May; 254(3):291–305

Effect of N–phenyl–N'–3–hydroxyphenylthiourea (PTU–23) on the protein synthesis in Krebs–II cells infected with encephalomyocarditis virus. Galabov AS, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 May; 254(3):306–17

[Effectiveness of phenol body polymers against influenza virus A/Krasnodar/101/59/H2N2] Mentel R, et al. **Biomed Biochim Acta** 1983;42(10):1353–6 **(Ger)**

[Mechanism of virus inactivation by peracids] Sporkenbach–Höffler J, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Sep; 177(6):469–81 (Eng. Abstr.) **(Ger)**

[Effect of virazole on the antiviral activity of poly(G) X poly(C) and other polyribonucleotide interferonogens] Vil'ner LM, et al. **Antibiotiki** 1984 Jun;29(6):450–3 (Eng. Abstr.) **(Rus)**

[Antiviral activity of pentaene macrolides] Shtil'bans EB. **Tr Inst Pastera** 1982;58:131–4 **(Rus)**

[Antiviral activity of chelidamic acid derivatives] Iavorovskaia VE, et al. **Vopr Virusol** 1984 May–Jun; 29(3):361–3 **(Rus)**

POISONING

[Pseudo–Conn's syndrome due to intoxication with nonalcoholic pastis] Trono D, et al. **Schweiz Med Wochenschr** 1983 Aug 9;113(31–32):1092–5 (Eng. Abstr.) **(Fre)**

SUPPLY & DISTRIBUTION

[New organized approach to rendering medical services to patients during influenza outbreak] Romanov IuA, et al. **Ter Arkh** 1984;56(1):127–8 **(Rus)**

THERAPEUTIC USE

Herpes virus infections in patients with neoplastic disease. Diagnosis and therapy. Wong KK, et al. **Am J Med** 1984 Mar;76(3):464–78 (146 ref.)

Efficacy of 2'–nor–2'–deoxyguanosine treatment for orofacial herpes simplex virus type 1 skin infections in mice. Davies ME, et al. **Antimicrob Agents Chemother** 1984 Feb; 25(2):238–41

Enhanced efficacy of the acyclic nucleoside 9–(1,3–dihydroxy–2–propoxymethyl)guanine in combination with beta–interferon against herpes simplex virus type 2 in mice. Fraser–Smith EB, et al. **Antimicrob Agents Chemother** 1984 May;25(5):563–5

Efficacy of the acyclic nucleoside 9-(1,3-dihydroxy-2-propoxymethyl)guanine against primary and recrudescent genital herpes simplex virus type 2 infections in guinea pigs. Fraser-Smith EB, et al. **Antimicrob Agents Chemother** 1983 Dec;24(6):883-7

Oral antiviral drugs in experimental herpes simplex keratitis. Kaufman HE, et al. **Antimicrob Agents Chemother** 1983 Dec;24(6):888-91

Relative activities of acyclovir and BW759 against Aujeszky's disease and equine rhinopneumonitis viruses. Rollinson EA, et al. **Antimicrob Agents Chemother** 1983 Aug;24(2):221-6

Therapeutic activities of 1-(2-fluoro-2-deoxy-beta-D-arabinofuranosyl)-5-iodocyt and -thymine alone and in combination with acyclovir and vidarabine in mice infected intracerebrally with herpes simplex virus. Schinazi RF, et al. **Antimicrob Agents Chemother** 1983 Jul;24(1):95-103

Comparison of the efficacy of vidarabine, its carbocyclic analog (cyclaradine), and cyclaradine-5'-methoxyacetate in the treatment of herpes simplex virus type 1 encephalitis in mice. Shannon WM, et al. **Antimicrob Agents Chemother** 1983 Oct;24(4):538-43

Modification of encephalomyocarditis virus-induced diabetes in mice by antiviral agents. Powers RD, et al. **Antiviral Res** 1983 Sep;3(3):151-9

Didemnins A and B. Effectiveness against cutaneous herpes simplex virus in mice. Weed SD, et al. **Antiviral Res** 1983 Nov;3(4):269-74

Effect of CP-20,961 on genital herpes in guinea pigs. Zheng ZM, et al. **Antiviral Res** 1983 Nov;3(4):275-83

Investigations on the activity of p-chlorophenylamide of 3-methyl-5-benzoylaminoisothiazole-4-carboxylic acid (ITCL) in the experimental keratitis. Gieldanowski J. **Arch Immunol Ther Exp (Warsz)** 1983;31(5):621-9

Wratizolin ITCL in the treatment of herpes simplex and recurrent and zoster. Moskalewska K, et al. **Arch Immunol Ther Exp (Warsz)** 1983;31(5):641-4

Clinical studies on the effectiveness of Wratizolin in the treatment of some dermatoses. Szarmach H, et al. **Arch Immunol Ther Exp (Warsz)** 1983;31(5):655-61

Results of Wratizolin treatment of selected skin diseases with particular reference to those of viral etiology. Wąsik F, et al. **Arch Immunol Ther Exp (Warsz)** 1983;31(5):645-8

Experimental ocular herpetic infections in rabbits. Treatment with 9-([2-hydroxy-1-(hydroxymethyl)ethoxy]methyl)guanine. Smith KO, et al. **Arch Ophthalmol** 1984 May;102(5):778-81

The antiviral compound HPA-23 can prevent scrapie when administered at the time of infection. Kimberlin RH, et al. **Arch Virol** 1983;78(1-2):9-18

AUS in the prevention of Marek's disease. Chang TS. **Avian Dis** 1984 Jan-Mar;28(1):154-9

Diagnosis and management of viral infections. Turner PA, et al. **Compr Ther** 1984 Jun;10(6):20-9 (13 ref.)

Therapy selection in an expert medical consultation system for ocular herpes simplex. Kastner JK, et al. **Comput Biol Med** 1984;14(3):285-301

Therapy of Herpes zoster infections. Hirsch MS. **Eur J Cancer Clin Oncol** 1984 Jul;20(7):871-2

Oral (E)-5-(2-bromovinyl)-2'-deoxyuridine treatment of severe herpes zoster in cancer patients. Wildiers J, et al. **Eur J Cancer Clin Oncol** 1984 Apr;20(4):471-6

Antiherpes drugs: promises and pitfalls. de Clercq E. **Eur J Clin Microbiol** 1984 Apr;3(2):96-107 (97 ref.)

Antivirals in chronic hepatitis B--problems of small clinical trials [editorial] Gregory PB. **Gastroenterology** 1984 Jan; 86(1):201-4

Antiviral therapy in HBsAg-positive chronic liver disease (HBsAg+ve CLD): how many patients really need it? Ascione A, et al. **Hepatogastroenterology** 1984 Jun; 31(3):123-4

Effect of acyclovir and phosphonoformate on cytomegalovirus infection in guinea pigs. Lucia HL, et al. **Intervirology** 1984;21(3):141-9

Subjective response to lysine in the therapy of herpes simplex. Walsh DE, et al. **J Antimicrob Chemother** 1983 Nov; 12(5):489-96

A quantitative study of the effects of several nucleoside analogues on established herpes encephalitis in mice. Field HJ, et al. **J Gen Virol** 1984 Apr;65 (Pt 4):707-19

Effect of (E)-5-(2-bromovinyl)-2'-deoxyuridine on several parameters of Epstein-Barr virus infection. Zhang ZX, et al. **J Gen Virol** 1984 Jan;65 (Pt 1):37-46

Herpes zoster treatments: results of a clinical trial relative to the use of rifamycin SV versus neuramide. Bruni L, et al. **J Int Med Res** 1984;12(4):255-60

Advances in antiviral therapy. Chou S. **J Invest Dermatol** 1984 Jul;83(1 Suppl):116s-120s (43 ref.)

Evaluation of the effectiveness of 2H-1,3-oxazine-2,6(3H)-dione (oxauracil) in the treatment of herpes simplex virus (HSV)-induced acute encephalitis in mice. Seal LA, et al. **J Med Virol** 1984;13(4):371-5

Antiviral agents in clinical practice [editorial] **Lancet** 1984 Sep 1;2(8401):502

Antiviral therapy. Varicella-zoster virus infections, herpes labialis and mucocutaneous herpes, and cytomegalovirus infections. Nicholson KG. **Lancet** 1984 Sep 22; 2(8404):677-82 (67 ref.)

Properties of antiviral agents. 2. Nicholson KG. **Lancet** 1984 Sep 8;2(8402):562-4 (50 ref.)

Antiviral therapy. Respiratory infections, genital herpes, and herpetic keratitis. Nicholson KG. **Lancet** 1984 Sep 15; 2(8403):617-21 (61 ref.)

Antiviral drugs 1983. Douglas RG Jr. **Med Clin North Am** 1983 Sep;67(5):1163-72 (32 ref.)

Antiviral chemotherapy. White DO. **Med J Aust** 1984 Jun 9;140(12):715-20 (20 ref.)

Use of nucleoside analogues in the treatment of herpes simplex virus eye diseases. Sundmacher R. **Metab Pediatr Syst Ophthalmol** 1983;7(2):89-94

Antiviral therapy. Timbury MC. **Practitioner** 1983 Oct; 227(1384):1545-51

Antiviral drugs: where do we stand in 1982? Lietman PS. **Prog Clin Biol Res** 1983;135:299-313 (34 ref.)

Advances in the prophylaxis and treatment of infections in immunocompromised patients (a symposium). Lausanne, 11. 3. 1983. **Schweiz Med Wochenschr [Suppl]** 1983;14:1-75

Viral vaccines and antiviral drugs. Report of a WHO Scientific Group. **WHO Tech Rep Ser** 1983;693:1-72

[Treatment of herpes zoster] Revuz J, et al. **Ann Dermatol Venereol** 1983;110(6-7):507-11 (Eng. Abstr.) **(Fre)**

[Antiviral agents and cicatrization of the corneal stroma] Petroutsos G, et al. **J Fr Ophtalmol** 1983;6(6-7):593-6 (Eng. Abstr.) **(Fre)**

[Human herpes infections and their treatment (recent advances in ophthalmology)] Colin J, et al. **Rev Int Trach Pathol Ocul Trop Subtrop Sante Publique** 1981;(3-4):111-5 (Eng. Abstr.) **(Fre)**

[Confusion in the chemotherapy of herpetic virus disease? (letter)] Raybaut V. **Hautarzt** 1984 Jan;35(1):56-8 **(Ger)**

[Chemotherapy of viral diseases] Osterwalder B, et al. **Ther Umsch** 1984 May;41(5):359-63 (Eng. Abstr.) **(Ger)**

[Antiviral effects of 9-beta-D-arabinofuranosyl-2,6-diaminopurine against experimental herpetic keratitis] Yamane S. **Nippon Ganka Gakkai Zasshi** 1984 Mar;88(3):586-94 (Eng. Abstr.) **(Jpn)**

[Future of antifungal and antiviral agents. 2. Antiviral agents. b. Present status of chemotherapy of viral infections of the respiratory tract] Togo Y. **Nippon Rinsho** 1984 Mar; 42(3):645-50 (39 ref.) **(Jpn)**

[Sylimarol in the treatment of acute viral hepatitis] Tkacz B, et al. **Wiad Lek** 1983 Apr 15;36(8):613-6 (Eng. Abstr.) **(Pol)**

[Means and prospects for the experimental study of antibiotics in treating and preventing viral infections] Shnelder MA. **Tr Inst Pastera** 1982;58:125-31 **(Rus)**

[Combined antiviral effect of synthetic polyribonucleotide interferonogens and specific antiviral antibodies in arbovirus infections] Vil'ner LM, et al. **Vopr Virusol** 1984 May-Jun;29(3):334-7 (Eng. Abstr.) **(Rus)**

[Personal experience in the use of Ditamin in the treatment of herpes zoster] Krstić A, et al. **Med Pregl** 1983; 36(9-10):405-7 (Eng. Abstr.) **(Scr)**

[Topical treatment of genital herpes simplex with a pregnene derivative] Macotela E, et al. **Gac Med Mex** 1984 Feb; 120(2):59-60 **(Spa)**

[Antiviral drugs] Romero-Vivas J, et al. **Med Clin (Barc)** 1983 Dec 3;81(18):822-8 **(Spa)**

TOXICITY

Selectivity of antiviral effectiveness derived from differences of herpes simplex virus-coded thymidine kinases. Fyfe JA. **Adv Exp Med Biol** 1984;165 Pt A:245-8

Effects of (E)-5-(2-bromovinyl)-2'-deoxyuridine on proliferation of human fibroblasts, peripheral blood mononuclear cells, and granulocyte-monocyte progenitor cells in vitro. Wittek AE, et al. **Antimicrob Agents Chemother** 1983 Nov;24(5):803-6

Antiviral medications and corneal wound healing. Lass JH, et al. **Antiviral Res** 1984 Jun;4(3):143-57

Cytoxicity of erythrocyte ghosts loaded with ribosome-inactivating proteins following fusion with CHO cells. Foxwell B, et al. **Biochem Int** 1984 Jun;8(6):811-9

Comparison of the selective cytotoxic effects of immunotoxins containing ricin A chain or pokeweed antiviral protein and anti-Thy 1.1 monoclonal antibodies. Ramakrishnan S, et al. **Cancer Res** 1984 Jan;44(1):201-8

Phage inactivation by aclacinomycin A and its analogues. Tanaka A, et al. **J Antibiot (Tokyo)** 1983 Sep;36(9):1242-4

Aphidicolin inhibits growth and DNA synthesis in halophilic arachaebacteria. Forterre P, et al. **J Bacteriol** 1984 Aug; 159(2):800-2

Reversible inhibition of bovine parvovirus DNA replication by aphidicolin and L-canavanine. Robertson AT, et al. **J Gen Virol** 1984 Sep;65 (Pt 9):1497-505

Resistance of herpes simplex virus to 9-[[2-hydroxy-1-(hydroxymethyl)ethoxy]methyl]guanine: physical mapping of drug synergism within the viral DNA polymerase locus. Crumpacker CS, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(5):1556-60

Characterization of an aphidicolin-resistant mutant of herpes simplex virus type 2 which induces an altered viral DNA polymerase. Nishiyama Y, et al. **Virology** 1984 May; 135(1):87-96

Mode of interference of trisodium phosphonoformate (INN: foscarnet sodium), with influenza virus mRNA synthesis. Stridh S, et al. **Virology** 1984 May;135(1):293-6

ANTLERS see under **HORNS**

ANTRUM, PYLORIC see **PYLORIC ANTRUM**

ANTS

Topical aluminum sulfate for fire ant stings. Bruce S, et al. **Int J Dermatol** 1984 Apr;23(3):211

Imported fire ant death. A documented case report. Bloom FL, et al. **J Fla Med Assoc** 1984 Feb;71(2):87-90

Effectiveness of methoprene-impregnated baits in the control of Monomorium pharaonis ant populations infesting health establishment and households. Rupeš V, et al. **J Hyg Epidemiol Microbiol Immunol** 1983;27(3):295-303

Fire ant envenomation in children. Ginsburg CM. **Pediatrics** 1984 May;73(5):689-92

Imported fire ant allergy. Perspectives on diagnosis and treatment. Paull BR. **Postgrad Med** 1984 Jul;76(1):155-60

[Control of Monomorium pharaonis using a methoprene bait in the Berlin Zoo and its combined application with a residue insecticide in the Olomouc Children's Clinic] Klunker R, et al. **Angew Parasitol** 1984 May;25(2):83-93 (Eng. Abstr.) **(Ger)**

CLASSIFICATION

[1st demonstration of the ant pest Tapinoma melanoceyhalum (Hymenoptera, Formicidae) in East Germany] Scheurer S. **Angew Parasitol** 1984 May;25(2):96-9 **(Ger)**

PHYSIOLOGY

Capacitance in ant cuticle is frequency dependent: a statistical model. Shimony TB, et al. **Biosystems** 1983-84; 16(3-4):333-43

ANURA

ANATOMY & HISTOLOGY

[Experimental anatomic study of the topography of the retinofugal projections in Discoglossus pictus (Amphibia, Anura). I. The thalamus: re-examination of the contralateral retinotopy and the origin of the uncrossed optic fibers] Cordier-Picouet MJ. **J Hirnforsch** 1983; 24(6):599-606 (Eng. Abstr.) **(Fre)**

[Experimental anatomic study of the topography of the retinofugal projections in Discoglossus pictus (Amphibia, Anura). II. The tectum: existence of a double-system of primary optic projections] Cordier-Picouet MJ. **J Hirnforsch** 1983;24(6):645-53 (Eng. Abstr.) **(Fre)**

EMBRYOLOGY

The cytostatic effect of the cytoplasm of mature, non-activated and cleaving eggs of Rana temporaria, Acipenser stellatus and Xenopus laevis. Ryabova LV. **Cell Differ** 1983 Oct;13(2):171-5

The development of the hindlimbs in anuran amphibians of Iraq. Michael MI, et al. **Folia Morphol (Praha)** 1983; 31(3):270-9

GENETICS

Chromosome pairing in female and male diploid and polyploid anurans (Amphibia) from South America. Rahn IM, et al. **Can J Genet Cytol** 1983 Oct;25(5):487-94

Purine-nucleoside phosphorylase expression in Eleutherodactylus and Leptodactylus frogs. Miyamoto MM. **Comp Biochem Physiol [B]** 1983;76(3):475-8

METABOLISM

Hepatic ammonia metabolism in a uricotelic treefrog Phyllomedusa sauvagei. Campbell JW, et al. **Am J Physiol** 1984 May;246(5 Pt 2):R805-10

The water permeability of toad urinary bladder. I. Permeability of barriers in series with the luminal membrane. Levine SD, et al. **J Gen Physiol** 1984 Apr; 83(4):529-41

The water permeability of toad urinary bladder. II. The value of Pf/Pd(w) for the antidiuretic hormone-induced water permeation pathway. Levine SD, et al. **J Gen Physiol** 1984 Apr;83(4):543-61

Distribution and characterization of cyclo (His-Pro)-like immunoreactivity in anuran (frog) skins. Prasad C, et al. **Peptides (Fayetteville)** 1984 Jan-Feb;5(1):133-6

[Immunofluorescent localization of pituitary hormones during embryonic development of Nectophrynoides occidentalis Angel] Zuber-Vogeli M, et al. **Gen Comp Endocrinol** 1984 Feb;53(2):264-71 (Eng. Abstr.) **(Fre)**

MICROBIOLOGY

Panophthalmitis and otitis interna in fire-bellied toads. Brooks DE, et al. **J Am Vet Med Assoc** 1983 Dec 1; 183(11):1198-201

[Isolation of a new serotype of Leptospira from Bombina orientalis (Boulenger)] **Chung Hua Yu Fang I Hsueh Tsa Chih** 1983 Sep;17(5):283-4 (Eng. Abstr.) **(Chi)**

PARASITOLOGY

[Baerietta chilensis sp. nov., (Cestoda; Nematoteniidae); 1st neotropic species described in the Chilean anuran Batrachyla taeniata (Leptodactylidae)] Puga S, et al. **Zentralbl Veterinarmed [B]** 1983 Aug;30(7):521-5 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Detection of amplitude-modulated tones by frogs: implications for temporal processing mechanisms. Hillery CM. **Hear Res** 1984 May;14(2):129–43

A temperature threshold for frog hippocampal kindling. Moneta ME. **Neurosci Lett** 1983 Oct 10;40(3):303–7

The auditory system of anuran amphibians. Wilczynski W, et al. **Prog Neurobiol** 1984;22(1):1–38 (155 ref.)

ANURIA

BLOOD

Plasma potassium changes in anuric hyperglycemia treated with insulin. Tzamaloukas AH, et al. **Am J Med Sci** 1984 Jan–Feb;287(1):27–30

CHEMICALLY INDUCED

Prolonged oliguric renal failure related to cyclosporin A in a renal transplant recipient. Bear R, et al. **Am J Nephrol** 1983 Sep–Oct;3(5):293–4

Oliguric renal failure associated with benoxaprofen [letter] Onwubalili JK. **Nephron** 1983;35(4):279–80

Captopril-induced acute renal artery thrombosis and persistent anuria in a patient with documented pre-existing renal artery stenosis and renal failure. Williams PS, et al. **Postgrad Med J** 1984 Aug;60(706):561–3

[Treatment of a febrile state by a nonsteroidal anti-inflammatory agent. Appearance of oliguria (letter)] Viale JP, et al. **Presse Med** 1984 Jul 14–21;13(29):1788–9 **(Fre)**

[Anuria in a patient treated with disopyramide for paroxysmal auricular fibrillation (letter)] Przedlacki J. **Pol Tyg Lek** 1983 Sep 12;38(37):1144 **(Pol)**

COMPLICATIONS

Glomerular filtration and tubular reabsorption during anuria in postischemic acute renal failure. Parekh N, et al. **Kidney Int** 1984 Jan;25(1):33–41

[Renal circulation in acute nephrotoxic renal failure] Sudo M, et al. **Nippon Jinzo Gakkai Shi** 1983 Jul;25(7):802–5 **(Jpn)**

DIAGNOSIS

[Indices of renal function in the differential diagnosis of functional oliguria and acute renal insufficiency in the newborn infant] de Sarasqueta P, et al. **Bol Med Hosp Infant Mex** 1983 Oct;40(10):566–70 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Dopamine-furosemide in oliguric acute renal failure [letter] Docci D. **Nephron** 1984;36(1):74

Dopamine and frusemide in oliguric acute renal failure. Graziani G, et al. **Nephron** 1984;37(1):39–42

ETIOLOGY

Acute anuric bilateral ureteral obstruction in malignant lymphoma. Mekori YA, et al. **Am J Med Sci** 1984 Jan–Feb; 287(1):70–3

Transient fetal anuria of unknown etiology: a case report. Goldenberg RL, et al. **Am J Obstet Gynecol** 1984 May 1;149(1):87

A simple aid to the differential diagnosis of oliguria. Brown MA, et al. **Aust NZ J Med** 1983 Dec;13(6):608–12

Protracted anuria due to active renal vasoconstriction in malignant hypertension. Meyrier A, et al. **Br Med J [Clin Res]** 1984 Apr 7;288(6423):1045–6

Calculus anuria in a 20 months old child. Narasimharao KL, et al. **Indian J Pediatr** 1983 Mar–Apr;50(403):231–2

Oliguria and left upper limb weakness. Acharya VN, et al. **J Assoc Physicians India** 1983 Aug;31(8):539–41

Acute anuria and hypertension after left renal vein ligation: reversal after decompression of renal venous system. Cohen PG, et al. **South Med J** 1984 Jul;77(7):925–6

Intraoperative urinary output does not predict postoperative renal function in patients undergoing abdominal aortic revascularization. Alpert RA, et al. **Surgery** 1984 Jun; 95(6):707–11

[A 56-year-old woman with a congested nose and anuria (clinical conference)] van der Woude FJ. **Ned Tijdschr Geneeskd** 1983 Nov 26;127(48):2198–203 **(Dut)**

[Anuria caused by bilateral ureteral metastasis secondary to small-cell pulmonary carcinoma] Urdiales Viedma M, et al. **Med Clin (Barc)** 1984 Apr 14;82(14):629–30 (Eng. Abstr.) **(Spa)**

METABOLISM

Non-radioisotopic estimate of extracellular volume during isotonic expansion in anuric dogs. Tzamaloukas AH. **Arch Int Physiol Biochim** 1983 Nov;91(4):279–91

Interactions of moxalactam and tobramycin in normal volunteers and in patients with impaired renal function. Aronoff GR, et al. **J Infect Dis** 1984 Jan;149(1):9–15

Pharmacokinetics of moxalactam in anuric children and during hemodialysis. Kaplan SL, et al. **Pediatr Pharmacol (New York)** 1983;3(1):29–36

A method for simultaneous measurements of body water compartments and potassium pool in anuric subjects. Guerra UP, et al. **Ric Clin Lab** 1983 Apr–Jun;13(2):275–81

PHYSIOPATHOLOGY

Disorders of urine volume in the critically ill child. Siegel NJ, et al. **Yale J Biol Med** 1984 Jan–Feb;57(1):29–47 (93 ref.)

SURGERY

The measurement of intra-abdominal pressure as a criterion for abdominal re-exploration. Kron IL, et al. **Ann Surg** 1984 Jan;199(1):28–30

THERAPY

Arteriovenous haemofiltration: a recent advance in the management of renal failure. Dodd NJ, et al. **Br Med J [Clin Res]** 1983 Oct 8;287(6398):1008–10

[Anuria caused by a neoplastic obstacle, reversible under chemotherapy (letter)] Fievet P, et al. **Presse Med** 1984 Jun 9;13(24):1512–3 **(Fre)**

[Surgical management and hemodialysis of septal perforation following myocardial infarct with oliguria] Shiikawa A, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Aug; 31(8):1298–302 (Eng. Abstr.) **(Jpn)**

[Dialysis prior to oliguria in acute renal failure following open heart surgery] Togashi K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Sep; 31(9):1397–406 (Eng. Abstr.) **(Jpn)**

ANUS

Spontaneous rupture of the rectosigmoid with small-bowel evisceration through the anus. Report of a case and review of the literature. Czerniak A, et al. **Dis Colon Rectum** 1983 Dec;26(12):821–2

Fever, cough, anal ulcer in a heterosexual man. de Caprariis PJ, et al. **Hosp Pract [Off]** 1984 Apr;19(4):122, 126, 131, 135 passim

Anal protrusion as a complication of ventriculo-peritoneal shunt. Case report and review of the literature. Miserocchi G, et al. **J Neurosurg Sci** 1984 Jan–Mar;28(1):43–6

Anal cystography: new technique of cystography. Shafik A. **Urology** 1984 Mar;23(3):313–6

[Squamous epithelial carcinoma of the anorectal junction in Crohn disease with an anal fistula of many years' duration] Walgenbach S, et al. **Dtsch Med Wochenschr** 1984 Apr 20;109(16):618–21 (Eng. Abstr.) **(Ger)**

[Transanal endoscopic surgery of the rectum - testing a new method in animal experiments] Buess G, et al. **Leber Magen Darm** 1983 Mar;13(2):73–7 (Eng. Abstr.) **(Ger)**

[Morphological characteristics of rectogenital fistulas in girls with a normal anus] Lukin VV, et al. **Pediatriia** 1983 Oct; (10):55–8 **(Rus)**

ABNORMALITIES

The pathogenesis of hereditary congenital malformations of the anorectum in the pig. Van der Putte SC, et al. **Acta Morphol Neerl Scand** 1984 Mar;22(1):17–40

Dominant ano-rectal malformation, nephritis and nerve-deafness: a possible new entity? Lowe J, et al. **Clin Genet** 1983 Sep;24(3):191–3

The surgery of anorectal anomalies: its evolution, with evaluations of procedures. DeVries PA. **Curr Probl Surg** 1984 May;21(5):1–75

Familial incidence of congenital anorectal anomalies. Schwoebel MG, et al. **J Pediatr Surg** 1984 Apr;19(2):179–82

Double termination of the alimentary tract in females: a report of 12 cases and a literature review. Tsuchida Y, et al. **J Pediatr Surg** 1984 Jun;19(3):292–6

Mid-anal sphincteric malformation, cause of constipation in anterior perineal anus. Upadhyaya P. **J Pediatr Surg** 1984 Apr;19(2):183–6

Review of anorectal anomalies. Nixon HH. **J R Soc Med** 1984;77 Suppl 3:27–9

Assessment of bowel control with anorectal manometry after surgery for anorectal malformation. Nagasaki A, et al. **Jpn J Surg** 1984 May;14(3):229–34

The Currarino triad: complex of anorectal malformation, sacral bony abnormality, and presacral mass. Kirks DR, et al. **Pediatr Radiol** 1984;14(4):220–5

Determination of anterior displacement of the anus in newborn infants and children. Reisner SA, et al. **Pediatrics** 1984 Feb;73(2):216–7

Agenesis of the penis, scrotal raphe, and anus in one of monoamniotic twins. Berry SA, et al. **Teratology** 1984 Apr; 29(2):173–6

Long-term results after surgical correction of anorectal malformations. Iwai N, et al. **Z Kinderchir** 1984 Feb; 39(1):35–9

High anorectal atresia - surgical treatment through a sacro-coccygeal-perineal approach. Vinograd I, et al. **Z Kinderchir** 1983 Oct;38(5):359–60

[Rectoplasty by posterior median perineal approach in the treatment of anorectal malformations] Vaysse P, et al. **Chirurgie** 1983;109(10):868–74 (Eng. Abstr.) **(Fre)**

[State of the urogenital system in anorectal anomalies in children] Atakulov DO, et al. **Khirurgiia (Mosk)** 1983 Aug; (8):109–12 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

A new concept of the anatomy of the anal sphincter mechanism and the physiology of defecation. Treatment of hemorrhoids: report of a technique. Shafik A. **Am J Surg** 1984 Sep;148(3):393–8

Microscopic anatomy and enzyme histochemistry of the canine anal canal. Budsberg SC, et al. **Anat Histol Embryol** 1983 Dec;12(4):295–316

Fecal incontinence and the anorectal angle. Kuypers JH. **Neth J Surg** 1984 Feb;36(1):20–3

BLOOD SUPPLY

[Hemorrhoids and perianal thrombosis—diagnosis, therapy, results] Klug W, et al. **Z Arztl Fortbild (Jena)** 1984; 78(7):263–7 **(Ger)**

CYTOLOGY

Endocrine cells in the anal canal. Fetissof F, et al. **Virchows Arch [A]** 1984;404(1):39–47

EMBRYOLOGY

The development and organization of the sphincter ani externus and the adjacent part of the levator ani muscle in man. Tichý M. **Folia Morphol (Praha)** 1984;32(2):113–20

INJURIES

Anal sphincter injury. Management and results of Parks sphincter repair. Browning GG, et al. **Ann Surg** 1984 Mar; 199(3):351–7

Penetrating anorectal injury. An unrecognized hazard for surgeons. Dennison AR, et al. **Dis Colon Rectum** 1984 Sep; 27(9):624–5

Treatment of traumatic injuries of the anorectal sphincter apparatus. Steiner E, et al. **Unfallchirurgie** 1983 Aug; 9(4):230–3 **(Eng, Ger)**

[Possibilities for using the tensor fasciae latae flap] Vossmann H. **Handchir Mikrochir Plast Chir** 1984 Jun;16(2):131–4 (Eng. Abstr.) **(Ger)**

[Impaling injuries of the perineal and anal region] Kahle M, et al. **MMW** 1983 Nov 18;125(46):1082–4 (Eng. Abstr.) **(Ger)**

INNERVATION

A neurogenic element to urinary genuine stress incontinence. Anderson RS. **Br J Obstet Gynaecol** 1984 Jan;91(1):41–5

The role of partial denervation of the puborectalis in idiopathic faecal incontinence. Bartolo DC, et al. **Br J Surg** 1983 Nov;70(11):664–7

The cutaneo-anal reflex: a useful index of neuropathy? Bartolo DC, et al. **Br J Surg** 1983 Nov;70(11):660–3

Slowed conduction in the pudendal nerves in idiopathic (neurogenic) faecal incontinence. Kiff ES, et al. **Br J Surg** 1984 Aug;71(8):614–6

Normal proximal and delayed distal conduction in the pudendal nerves of patients with idiopathic (neurogenic) faecal incontinence. Kiff ES, et al. **J Neurol Neurosurg Psychiatry** 1984 Aug;47(8):820–3

Neuronally mediated interactions between urinary bladder and internal anal sphincter motility in the cat. Bouvier M, et al. **J Physiol (Lond)** 1984 Jan;346:461–9

Injury to innervation of pelvic floor sphincter musculature in childbirth. Snooks SJ, et al. **Lancet** 1984 Sep 8; 2(8402):546–50

Use of an anal sphincter pressure monitor during operations on the sacral spinal cord and nerve roots. Pang D, et al. **Neurosurgery** 1983 Nov;13(5):562–8

[Afferent innervation of musculus sphincter ani externus of men] Lassmann G. **Acta Neuropathol (Berl)** 1984; 62(3):254–6 (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

Cost-effective method of triple-site culturing for Neisseria gonorrhoeae. Gartner T, et al. **J Clin Microbiol** 1984 Jun; 19(6):949–51

[The value of anorectal smears in the diagnosis of gonorrheal proctitis in women] Péč J, et al. **Bratisl Lek Listy** 1983 Oct;80(4):461–6 (Eng. Abstr.) **(Slo)**

PATHOLOGY

Sepsis and meningitis associated with anal dilation in a newborn infant. Kasik JW, et al. **Clin Pediatr (Phila)** 1984 Sep;23(9):509–10

The pathogenesis of hemorrhoids. Haas PA, et al. **Dis Colon Rectum** 1984 Jul;27(7):442–50

The triangular island skin flap for treatment of anal ectropion. Peled IJ, et al. **Dis Colon Rectum** 1984 Jan;27(1):33–4

PHYSIOLOGY

Monitoring neuromuscular blockade—evaluation of a new rectal electrode/transducer system in cats. Brock-Utne JG, et al. **Anesth Analg** 1984 Feb;63(2):152–4

On the pathway of the rectosphincteric reflex. Kunieda T, et al. **Experientia** 1984 Jul 15;40(7):701–3

Longitudinal and radial variations of pressure in the human anal sphincter. Taylor BM, et al. **Gastroenterology** 1984 Apr;86(4):693–7

Anorectal manometry in healthy elderly subjects. Loening-Baucke V, et al. **J Am Geriatr Soc** 1984 Sep;

32(9):636–9
Physiological and pharmacological studies of the internal anal sphincter in the rat. Nissan S, et al. **J Pediatr Surg** 1984 Feb;19(1):12–4
An experimental study on the mechanism of rectosphincteric reflex in special reference to Hirschsprung's disease. Ohashi S, et al. **J Pediatr Surg** 1984 Jun;19(3):278–80
Anal sphincter function and rectal reservoir after sphincter saving operations for carcinoma of the rectum. Iwai N, et al. **Jpn J Surg** 1983 Sep;13(5):420–5
The anal sphincter. Henry MM, et al.
Scand J Gastroenterol [Suppl] 1984;93:53–7 (13 ref.)
Internal anal sphincter response after electrical stimulation of the rectal myenteric nerve plexus in the rabbit. Frenckner B. **Z Kinderchir** 1983 Oct;38(5):290–2
[Anorectal continence following manual and mechanical anastomosis suture. Results of a controlled study of rectal surgery] Jostarndt L, et al. **Chirurg** 1984 Jun;55(6):385–90 (Eng. Abstr.) **(Ger)**
[Sphincter preservation in rectal cancer: possibilities and limits of anterior resection] Schiessel R, et al.
Wien Klin Wochenschr 1983 Nov 11;95(21):769–73 (Eng. Abstr.) **(Ger)**
[Electromanometric studies of the sphincter zone using unperfused probes on children with a healthy anus] von Issendorff WD, et al. **Z Kinderchir** 1983 Oct;38(5):293–7 (Eng. Abstr.) **(Ger)**
[Anal continence. Historical antecedents] Almoyna JM, et al. **Rev Esp Enferm Apar Dig** 1983 Dec;64(6):549–55 (77 ref.) (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Proctalgia fugax in patients with the irritable bowel, peptic ulcer, or inflammatory bowel disease. Thompson WG.
Am J Gastroenterol 1984 Jun;79(6):450–2
Anal sphincter function after colectomy, mucosal proctectomy, and endorectal ileoanal pull–through. Becker JM. **Arch Surg** 1984 May;119(5):526–31
Differences in anorectal manometry between patients with haemorrhoids and patients with descending perineum syndrome: implications for management. Read NW, et al. **Br J Surg** 1983 Nov;70(11):656–9
Differences in anal function in patients with incontinence to solids and in patients with incontinence to liquids. Read NW, et al. **Br J Surg** 1984 Jan;71(1):39–42
Anal function after low rectal stapled anastomoses [letter] Williams NS, et al. **Br J Surg** 1984 Jun;71(6):478
Pelvic evoked responses. Ewing R, et al. **Br J Urol** 1983 Dec;55(6):639–41
Anorectal motility after surgery for spina bifida. Arhan P, et al. **Dis Colon Rectum** 1984 Mar;27(3):159–63
Clinical and manometric features of the solitary rectal ulcer syndrome. Keighley MR, et al. **Dis Colon Rectum** 1984 Aug;27(8):507–12
Induction of the rectoanal reflex by electric stimulation. A diagnostic aid for Hirschsprung's disease. Nagasaki A, et al. **Dis Colon Rectum** 1984 Sep;27(9):598–601
Manometric studies in rectal prolapse. Spencer RJ.
Dis Colon Rectum 1984 Aug;27(8):523–5
Manometric study on anal sphyncteres and intestinal MTT before and after extensive surgery on patients affected by cervical carcinoma. Clinical experiences. Franco F, et al. **Eur J Gynaecol Oncol** 1984;5(1):69–75
Functional abnormalities of the anal sphincters in patients with myotonic dystrophy. Hamel–Roy J, et al.
Gastroenterology 1984 Jun;86(6):1469–74
The use of conventional electromyography to assess external sphincter neuropathy in man. Bartolo DC, et al.
J Neurol Neurosurg Psychiatry 1983 Dec;46(12):1115–8
Anorectal manometry: experience with strain gauge pressure transducers for the diagnosis of Hirschsprung's disease. Loening–Baucke VA. **J Pediatr Surg** 1983 Oct; 18(5):595–600
The effect of ketamine anesthesia on anorectal manometry. Paskins JR, et al. **J Pediatr Surg** 1984 Jun;19(3):289–91
Anorectal sensorimotor dysfunction in fecal incontinence and diabetes mellitus. Modification with biofeedback therapy. Wald A, et al. **N Engl J Med** 1984 May 17;310(20):1282–7
Assessment of anorectal motility measurements in the management of adult megacolon. Taylor I.
Scand J Gastroenterol [Suppl] 1984;96:61–8
The sphincteric and sensory components of preserved continence after ileoanal reservoir. Pescatori M, et al.
Surg Gynecol Obstet 1984 Jun;158(6):517–21
[Sensitivity of the anal canal in normal subjects and in patients with surgically treated anorectal abnormalities: a study using the evoked potentials technic] Nuño–Licona AE, et al. **Bol Med Hosp Infant Mex** 1984 Feb;41(2):95–101 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Defecography: I. Description of a new procedure and results in normal patients. Mahieu P, et al. **Gastrointest Radiol** 1984;9(3):247–51
The hypertrophied anal papilla: recognition on air–contrast barium enema examinations. Heiken JP, et al. **Radiology** 1984 May;151(2):315–8

SURGERY

The effects on pelvic visceral function of anal sphincter ablating and anal sphincter preserving operations for cancer of the lower part of the rectum and for benign colo–rectal disease. Neal DE. **Ann R Coll Surg Engl** 1984 Jan;66(1):7–13
Endorectal ileoanal anastomosis with isoperistaltic ileal reservoir after colectomy and mucosal proctectomy. Fonkalsrud EW. **Ann Surg** 1984 Feb;199(2):151–7
Preservation of anal function after total excision of the anal mucosa for Bowen's disease. Reynolds VH, et al.
Ann Surg 1984 May;199(5):563–8
A clinico–physiological comparison of ileal pouch–anal and straight ileoanal anastomoses. Taylor BM, et al.
Ann Surg 1983 Oct;198(4):462–8
Proctocolectomy without ileostomy: ileo–anal anastomosis with an ileal reservoir. Failes DG. **Aust NZ J Surg** 1983 Dec;53(6):551–6
Total colectomy with mucosal protectomy and ileoanal anastomosis—an important surgical option in the aviator with premalignant disease of the colon. Countryman D, et al. **Aviat Space Environ Med** 1983 Dec;54(12 Pt 1):1119–22
Adequate internal sphincterotomy for chronic anal fissure: subcutaneous or open technique? Boulos PB, et al.
Br J Surg 1984 May;71(5):360–2
Anorectal myectomy in adult Hirschsprung's disease: a report of six cases. Hamdy MH, et al. **Br J Surg** 1984 Aug; 71(8):611–3
Survival and recurrence after sphincter saving resection and abdominoperineal resection for carcinoma of the middle third of the rectum. Williams NS, et al. **Br J Surg** 1984 Apr;71(4):278–82
The rationale for preservation of the anal sphincter in patients with low rectal cancer. Williams NS. **Br J Surg** 1984 Aug; 71(8):575–81 (100 ref.)
Fissurectomy with superficial midline sphincterotomy. A viable alternative for the surgical correction of chronic fissure/ulcer–in–ano. Bode WE, et al.
Dis Colon Rectum 1984 Feb;27(2):93–5
The foreskin anoplasty. Freeman NV. **Dis Colon Rectum** 1984 May;27(5):309–13
Rectal procidentia in elderly and debilitated patients. Experience with the Altemeier procedure. Gopal KA, et al. **Dis Colon Rectum** 1984 Jun;27(6):376–81
Fate of the rectal mucosa after rectal mucosectomy and ileoanal anastomosis. Heppell J, et al.
Dis Colon Rectum 1983 Dec;26(12):768–71
Surgical treatment of chronic anal fissure. A retrospective study of 1753 cases. Hsu TC, et al. **Dis Colon Rectum** 1984 Jul;27(7):475–8
Transmucosal myotomy of the small bowel after ileoanal anastomosis. Pescatori M, et al. **Dis Colon Rectum** 1984 May;27(5):316–8
Anorectal myectomy for short aganglionic megacolon. Ibay RS Jr. **Indian J Pediatr** 1983 Jan–Feb;50(402):61–4
Subcutaneous lateral internal sphincterotomy in the treatment of chronic anal fissure. Milito G, et al. **Ital J Surg Sci** 1983; 13(4):275–9
The pathogenesis of hemorrhoids and their treatment by anorectal bandotomy. Shafik A. **J Clin Gastroenterol** 1984 Apr;6(2):129–37
Anorectal continence following sphincter reconstruction utilizing the gluteus maximus muscle: a case report. Skef Z, et al. **J Pediatr Surg** 1983 Dec;18(6):779–81
Intractable constipation in children treated by forceful anal stretch or anorectal myectomy: preliminary communication. Freeman NV. **J R Soc Med** 1984;77 Suppl 3:6–8
Postanal repair for faecal incontinence. Keighley MR.
J R Soc Med 1984 Apr;77(4):285–8
Functional anal sphincter reconstruction with the gracilis muscle after abdominoperineal resection [letter] Wee JT, et al. **Lancet** 1983 Nov 26;2(8361):1245–6
The transsphincteric approach for removal of a huge foreign body from the rectum. Hoitsma HF, et al. **Neth J Surg** 1984 Jun;36(3):83–4
Proctocolectomy with ileoanal reservoir. An alternative to permanent ileostomy. Schoetz DJ Jr, et al.
Postgrad Med 1984 Feb 15;75(3):123–7, 130–2, 137–8
Improvement of continence by myoplasty of the pelvic floor. Holle J, et al. **Prog Pediatr Surg** 1984;17:123–30
Puborectalis sphincteroplasty for anal incontinence. Ferguson EF Jr. **South Med J** 1984 Apr;77(4):423–5
Complications of anorectal operations. Schoetz DJ Jr.
Surg Clin North Am 1983 Dec;63(6):1249–57 (17 ref.)
Manometric assessment of anorectal pressures in Hirschsprung's disease after Rehbein's operation with and without anorectal myectomy. Iwai N, et al.
Z Kinderchir 1983 Oct;38(5):316–9
[Abdomino–anal resection in carcinoma of the rectum with transanal colo–anal anastomosis without everting the anal canal] Temelkov T, et al. **Khirurgiia (Sofiia)** 1984; 37(2):149–53 (Eng. Abstr.) **(Bul)**
[Reconstruction of the anal internal sphincter using smooth muscle of the colon: report of 5 cases] Chen YL.
Chung Hua Wai Ko Tsa Chih 1983 May;21(5):260–1 (Eng. Abstr.) **(Chi)**
[Fissure in ano; treatment results following lateral internal sphincterotomy] Schouten WR, et al.
Ned Tijdschr Geneeskd 1984 Mar 24;128(12):540–3 (Eng. Abstr.) **(Dut)**
[The value of anorectal sphincteromyectomy for the diagnosis and treatment of chronic constipation in children] Rush F, et al. **Acta Chir Belg** 1983 Jul–Aug;83(4):261–5 (Eng. Abstr.) **(Fre)**
[Gardner syndrome treated by total colectomy with preservation of the internal sphincter. Apropos of 3 cases] Canarelli JP, et al. **Chir Pediatr** 1984;25(3):179–85 (Eng. Abstr.) **(Fre)**
[Endorectal ileo–anal anastomosis] Rohner A. **Chirurgie** 1984; 110(2):139–43 (Eng. Abstr.) **(Fre)**
[10 years' experience with the trans–sphincter approach in surgery of the caudal rectum] Huber A, et al.
Helv Chir Acta 1984 Apr;51(1):71–4 (Eng. Abstr.) **(Ger)**
[Local per anum tumor excision] Nöthiger F.
Helv Chir Acta 1984 Jan;50(5):623–7 (Eng. Abstr.) **(Ger)**
[Excision of rectal tumors: transsphincteric approach] Tondelli P, et al. **Helv Chir Acta** 1984 Jan;50(5):629–33 (Eng. Abstr.) **(Ger)**
[Clinical, manometric and electron microscope follow–up studies of the transposed gracilis muscle in anorectal incontinence] Engels M, et al. **Z Kinderchir** 1983 Apr; 38(2):95–100 (Eng. Abstr.) **(Ger)**
[Animal experimental studies of the smooth muscle pedicle flap (tunnel graft) in the goat] Holschneider AM, et al. **Z Kinderchir** 1984 Jun;39(3):191–201 (Eng. Abstr.) **(Ger)**
[Animal experimental studies on the free transplantation of smooth colon muscles as an artificial sphincter in the rat] Holschneider AM, et al. **Z Kinderchir** 1984 Jun; 39(3):182–90 (Eng. Abstr.) **(Ger)**
[Clinical course and therapy of acquired anal incontinence] Kiene S, et al. **Zentralbl Chir** 1984;109(12):809–18 (Eng. Abstr.) **(Ger)**
[Septic complications after total colectomy, excision of the rectal mucosa ileoanastomy and its prevention—with special reference to pelvic sepsis] Okamura T.
Nippon Geka Gakkai Zasshi 1983 May;84(5):437–51 (Eng. Abstr.) **(Jpn)**
[Reconstruction of the vulva, perineum and perianal region with a myocutaneous flap of the gracilis muscle] Monteiro Júnior AA, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1983 Jun;38(3):137–40 (Eng. Abstr.) **(Por)**
[Clinico–anatomical substantiation of abdominal–perineal proctectomy in distal cancer of the rectum] Amelina OP, et al. **Khirurgiia (Mosk)** 1983 Nov;(11):98–101 (Eng. Abstr.) **(Rus)**
[Lateral subcutaneous internal sphincterotomy] Ektov VN, et al. **Vestn Khir** 1983 Sep;131(9):46–9 (Eng. Abstr.) **(Rus)**

ANUS, ARTIFICIAL see **COLOSTOMY**

ANUS DISEASES

The National Institutes of Health Grant mechanisms for anorectal and colonic biomedical research. Murphy DG, et al. **Dis Colon Rectum** 1984 May;27(5):333–4
[Perianal and anorectal inflammations, abscesses and fistulas] Klug W, et al. **Z Arztl Fortbild (Jena)** 1984;78(11):447–50 **(Ger)**

CHEMICALLY INDUCED

[Ano–recto–vaginal ulcerations caused by suppositories containing dextropropoxyphene] Laplanche G, et al.
An., Dermatol Venereol 1984;111(4):347–55 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Perianal disease in children and adolescents with Crohn's disease. Markowitz J, et al. **Gastroenterology** 1984 May;86(5 Pt 1):829–33
[Benign scarred stenosis of the anal canal as a cause of anorectal incontinence] Riedler L. **Chirurg** 1984 Feb; 55(2):117–21 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Painful anal ulceration in homosexual men. McMillan A, et al. **Br J Surg** 1984 Mar;71(3):215–6
Anal smear test to diagnose occult anorectal infection with human papillomavirus in men [letter] Medley G.
Br J Vener Dis 1984 Jun;60(3):205
Isolation of Neisseria meningitidis from anogenital sites in adolescents: clinical implications. Jaffe LR, et al.
J Adolesc Health Care 1983 Sep;4(3):171–3
[Pediatric proctology in general practice] Hager J.
ZFA (Stuttgart) 1983 Oct 10;59(28):1533–8 **(Ger)**

DRUG THERAPY

[Chronic candidiasis: treatment with bovine thymic extract. Case report] Trevisan G, et al.
G Ital Dermatol Venereol 1982 May–Jun;117(3):161–4 (Eng. Abstr.) **(Ita)**

ETIOLOGY

Circumferential perianal pilonidal sinuses. Taylor BA, et al.
Dis Colon Rectum 1984 Feb;27(2):120–2

MICROBIOLOGY

[Primary anal herpes] Reimlinger S, et al. **Hautarzt** 1984 May; 35(5):263–4 (Eng. Abstr.) **(Ger)**

PARASITOLOGY

Granuloma of the anal canal due to Enterobius vermicularis. Report of a case. Vafai M, et al. **Dis Colon Rectum** 1983

May;26(5):349–50

PATHOLOGY

Acquired immune deficiency syndrome (AIDS) manifesting as anogenital herpes zoster eruption: demonstration of virus–like particles in lymphocytes. Thune P, et al. **Acta Derm Venereol (Stockh)** 1983;63(6):540–3

PHYSIOPATHOLOGY

A simple method of anorectal manometry. Schouten WR, et al. **Dis Colon Rectum** 1983 Nov;26(11):721–4

SURGERY

Perianal abscess and its recurrence. Ramus NI, et al. **Bristol Med Chir J** 1984 Apr;99(370):45

Perianal abscesses and fistulas. A study of 1023 patients. Ramanujam PS, et al. **Dis Colon Rectum** 1984 Sep; 27(9):593–7

Tetanus after anorectal abscess. Myers KJ, et al. **Mayo Clin Proc** 1984 Jun;59(6):429–30

[Surgical treatment of postoperative strictures of the anus] Ektov VN. **Klin Khir** 1984 Feb;(2):64–5 (Eng. Abstr.) **(Rus)**

TRANSMISSION

[Sexually transmitted infections diseases of the anus and the rectum] Rufli T. **Praxis** 1983 Jul 26;72(30):1000–8 (Eng. Abstr.) **(Ger)**

ANUS, IMPERFORATE

COMPLICATIONS

Cardiovascular anomalies with imperforate anus. Teixeira OH, et al. **Arch Dis Child** 1983 Sep;58(9):747–9

Sigmoid volvulus in a neonate with imperforate anus. Janik JS, et al. **J Pediatr Surg** 1983 Oct;18(5):636–8

Urogenital tract abnormalities associated with congenital anorectal anomalies. Hoekstra WJ, et al. **J Urol** 1983 Nov; 130(5):962–3

The persisting mesonephric duct syndrome: the description of a new syndrome. Vordermark JS 2d. **J Urol** 1983 Nov; 130(5):958–61

A newborn with a covered anus complicated by two concomitant unique fistulas. Asano S, et al. **Z Kinderchir** 1983 Aug;38(4):258–61

[Considerations of a congenital cardiopathy and anorectal abnormalities syndrome] Chiossi FM, et al. **Minerva Pediatr** 1983 Jul 31;35(13–14):733–7 (Eng. Abstr.) **(Ita)**

FAMILIAL & GENETIC

Phenotypic variability in Townes–Brocks syndrome. Monteiro de Pina–Neto J. **Am J Med Genet** 1984 May; 18(1):147–52

Cat–eye syndrome with unusual marker chromosome probably not chromosome 22. Rosenfeld W, et al. **Am J Med Genet** 1984 May;18(1):19–24

Heredity in anal atresia. Sarah N, et al. **Z Kinderchir** 1983 Apr;38(2):105–7

RADIOGRAPHY

[A new method of imaging the distal end of the rectum in anorectal atresia] Kabelka M, et al. **Rozhl Chir** 1983 Nov; 62(11):718–20 (Eng. Abstr.) **(Cze)**

SURGERY

Loop colon rectovaginoplasty for high cloacal anomaly. Harrison MR, et al. **J Pediatr Surg** 1983 Dec;18(6):885–6

The anterior perineal approach for pull–through operations in high imperforate anus. Laberge JM, et al. **J Pediatr Surg** 1983 Dec;18(6):774–8

Improvement of continence by myoplasty of the pelvic floor. Holle J, et al. **Prog Pediatr Surg** 1984;17:123–30

Smooth muscle reverse plasty. A new method to treat anorectal incontinence in infants with high anal and rectal atresia. Results after gracilis plasty and free muscle transplantation. Holschneider AM, et al. **Prog Pediatr Surg** 1984;17:131–45

Problems of anal continence operations. Sauer H, et al. **Prog Pediatr Surg** 1984;17:147–53

[Reconstruction of the anal internal sphincter using smooth muscle of the colon: report of 5 cases] Chen YL. **Chung Hua Wai Ko Tsa Chih** 1983 May;21(5):260–1 (Eng. Abstr.) **(Chi)**

[Treatment results following the pull–through operation and continence–improving operations in high anal and rectum atresia] Hecker WC, et al. **Monatsschr Kinderheilkd** 1984 Mar;132(3):173–9 (Eng. Abstr.) **(Ger)**

[Possibilities for conservative therapy in incontinence following anal atresia] Kraeft H, et al. **Monatsschr Kinderheilkd** 1984 Jul;132(7):560 (Eng. Abstr.) **(Ger)**

[Sacrococcygeal approach in the treatment of defects of the lower segment of the digestive tract] Bielowicz–Hilgier A. **Probl Med Wieku Rozwoj** 1979;9:177–208 (Eng. Abstr.) **(Pol)**

[Perineal topometry of male newborn infants in the surgical treatment of anal and rectal defects] Stepień A, et al. **Probl Med Wieku Rozwoj** 1983;12:282–9 (Eng. Abstr.) **(Pol)**

[Surgery of high anorectal atresia] Sitkovskiĭ NB, et al. **Klin Khir** 1984 Jun;(6):1–4 (Eng. Abstr.) **(Rus)**

VETERINARY

Multiple visceral congenital anomalies in a calf. Prieur DJ, et al. **Vet Pathol** 1984 Jul;21(4):452–4

ANUS NEOPLASMS

Evaluation of focal abnormality of the liver in a patient with known primary carcinoma of the colon. Chilcote W, et al. **Cleve Clin Q** 1983 Winter;50(4):473–5

Regression of pulmonary metastases from cloacogenic carcinoma after cis–platinum/5–fluorouracil treatment. Carey RW. **J Clin Gastroenterol** 1984 Jun;6(3):257–9

Cancer–to–cancer metastasis. Singh EO, et al. **J Urol** 1984 Aug;132(2):340–2

Anal duct carcinoma (a case report and review of literature). Vandal MT, et al. **Med J Zambia** 1983 Apr;17(2):59–60

COMPLICATIONS

Anal carcinoma in patients with Crohn's disease. Slater G, et al. **Ann Surg** 1984 Mar;199(3):348–50

[Perianal colloid adenocarcinoma originating in ano–rectal fistulas] Arnal Monreal FM, et al. **Rev Esp Enferm Apar Dig** 1984 Jun;65(6):549–51 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Perianal condylomata acuminata in a male child. Baruah MC, et al. **Br J Vener Dis** 1984 Feb;60(1):60–1

[Clinical course of malignant anal tumors] Merlini M. **Schweiz Rundsch Med Prax** 1984 Jul 3;73(27):867–8 (Eng. Abstr.) **(Fre)**

[Clinical course and local findings of anal tumors] Neiger A. **Schweiz Rundsch Med Prax** 1984 Jul 3;73(27):863–5 (57 ref.) (Eng. Abstr.) **(Ger)**

[Condyloma acuminatum in infancy and childhood] Szabó L. **Orv Hetil** 1983 Jul 24;124(30):1801–3 (Eng. Abstr.) **(Hun)**

[Squamous cell cancer of the anal canal] Khysh VI, et al. **Vopr Onkol** 1983;29(10):46–50 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Synchronous chemotherapy and radiotherapy for carcinoma of the anal canal—an alternative to abdominoperineal resection. Tiver KW, et al. **Aust NZ J Surg** 1984 Apr; 54(2):101–8 (38 ref.)

Topical treatment of condylomata acuminata with Solcoderm. Brokalakis J, et al. **Dermatologica** 1984;168 Suppl 1:49–51

[Chemotherapy of anal carcinoma] Weber W. **Schweiz Rundsch Med Prax** 1984 Jul 10;73(28):894–5 (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

[Multiple papilloma virus particles in perianal condylomata acuminata of a drug–dependent patient] Gross G. **Hautarzt** 1984 Feb;35(2):84–7 (Eng. Abstr.) **(Ger)**

OCCURRENCE

Patterns of anal carcinoma by gender and marital status in Los Angeles County. Peters RK, et al. **Br J Cancer** 1983 Nov;48(5):629–36

Parallels in the epidemiology of selected anogenital carcinomas. Peters RK, et al. **JNCI** 1984 Mar;72(3):609–15

PATHOLOGY

Cowden's disease. Association with squamous cell carcinoma of the tongue and perianal basal cell carcinoma. Camisa C, et al. **Arch Dermatol** 1984 May;120(5):677–8

Malignant melanoma of the anorectal region: two cases of prolonged survival. Freedman LS. **Br J Surg** 1984 Feb; 71(2):164–5

Carcinoma of the anal canal. A clinical and pathologic study of 188 cases. Boman BM, et al. **Cancer** 1984 Jul 1; 54(1):114–25

Decidua and squamous metaplasia in abdominopelvic lymph nodes. Mills SE. **Int J Gynecol Pathol** 1983;2(2):209–15

Systemic histiocytosis: an unusual cause of perianal disease in a child. Moroz SP, et al. **J Pediatr Gastroenterol Nutr** 1984 Mar;3(2):309–11

Extramedullary plasmacytoma of the anal canal. Bhatnagar BN, et al. **J R Coll Surg Edinb** 1983 Sep;28(5):328–30

General rules for clinical and pathological studies on cancer of the colon, rectum and anus. Part I. Clinical classification. Japanese Research Society for Cancer of the Colon and Rectum. **Jpn J Surg** 1983 Nov;13(6):557–73

General rules for clinical and pathological studies on cancer of the colon, rectum and anus. Part II. Histopathological classification. Japanese Research Society for Cancer of the Colon and Rectum. **Jpn J Surg** 1983 Nov;13(6):574–98

Anal involvement by carcinoma in situ of the perineum in women. Schlaerth JB, et al. **Obstet Gynecol** 1984 Sep; 64(3):406–11

Malignant melanoma of the digestive system. Mills SE, et al. **Pathol Annu** 1983;18 Pt 2:1–26

Perianal and ano–rectal condyloma acuminata. Samenius B. **Praxis** 1983 Jul 26;72(30):1009–14

[Primary anorectal melanoma. Presentation of 3 cases] de Calan L, et al. **Chirurgie** 1984;110(3):292–6 (Eng. Abstr.) **(Fre)**

[Pathology of anal tumors] Gebbers JO, et al. **Schweiz Rundsch Med Prax** 1984 Jul 3;73(27):847–62 (Eng. Abstr.) **(Ger)**

[Perianal condylomata acuminata in a 13–month–old girl] Ingber A, et al. **Z Hautkr** 1983 Aug 15;58(16):1200–2 (Eng. Abstr.) **(Ger)**

[A case of anorectal malignant melanoma with liver metastasis reduced subjective symptoms by transcatheter arterial embolization] Kinoshita Y, et al. **Gan No Rinsho** 1983 Dec;29(15):1783–7 (Eng. Abstr.) **(Jpn)**

[Clinical and prognostic specificity of anorectal malignant melanoma] Ishida O, et al. **Nippon Hifuka Gakkai Zasshi** 1983 Sep;93(10):1069–73 **(Jpn)**

[Malignant tumors of the anal region. Histopathological review of 47 cases] Fernandes AC, et al. **Acta Med Port** 1984 Mar;5(3):79–85 (Eng. Abstr.) **(Por)**

[Cloacogenic carcinoma of the anal canal] de Diego Carmona JA, et al. **Rev Esp Enferm Apar Dig** 1983 Aug;64(2):136–40 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Anorectal giant condyloma acuminatum (Buschke–Loewenstein tumor): CT and radiographic manifestations. Balthazar EJ, et al. **Radiology** 1984 Mar; 150(3):651–3

[The place of radiology in the diagnosis of anal tumors] Hildell J. **Schweiz Rundsch Med Prax** 1984 Jul 3; 73(27):869–71 (Eng. Abstr.) **(Ger)**

RADIOTHERAPY

Synchronous chemotherapy and radiotherapy for carcinoma of the anal canal—an alternative to abdominoperineal resection. Tiver KW, et al. **Aust NZ J Surg** 1984 Apr; 54(2):101–8 (38 ref.)

[Radiotherapy of cancer of the anus] Pipard G. **Schweiz Rundsch Med Prax** 1984 Jul 10;73(28):888–93 (Eng. Abstr.) **(Fre)**

[Treatment of anus cancer] Dahl O, et al. **Tidsskr Nor Laegeforen** 1984 Aug 10;104(22):1406–9 (Eng. Abstr.) **(Nor)**

[Interstitial radiotherapy of squamous cell carcinoma of the anal canal] Knysh VI, et al. **Med Radiol (Mosk)** 1984 Jul; 29(7):52–4 **(Rus)**

SURGERY

CO2–laser treatment of condylomata acuminata. Kryger–Baggesen N, et al. **Acta Obstet Gynecol Scand** 1984;63(4):341–3

Treating genital condyloma during pregnancy with the carbon dioxide laser. Ferenczy A. **Am J Obstet Gynecol** 1984 Jan 1;148(1):9–12

Treatment of epidermoid anal canal cancer. Salmon RJ, et al. **Am J Surg** 1984 Jan;147(1):43–8

Smooth muscle neoplasms of the rectum and anal canal. Walsh TH, et al. **Br J Surg** 1984 Aug;71(8):597–9

Perianal alveolar rhabdomyosarcoma in a child. Report of a long–term survival case. Mihara S, et al. **Dis Colon Rectum** 1983 Nov;26(11):728–31 (22 ref.)

Conservative approach to the treatment of Bowen's disease of the anus. Ramos R, et al. **Dis Colon Rectum** 1983 Nov; 26(11):712–5

Urodynamic studies before and/or after abdominoperineal resection of the rectum for carcinoma. Chang PL, et al. **J Urol** 1983 Nov;130(5):948–51

Treatment of condyloma acuminata with carbon dioxide laser: a prospective study. Scott RS, et al. **Lasers Surg Med** 1984;4(2):157–62

Surgical management of diffuse cavernous hemangioma of the colon, rectum and anus. Coppa GF, et al. **Surg Gynecol Obstet** 1984 Jul;159(1):17–22

[Remaining indications for amputation of the rectum by a purely perineal approach] Tissot E, et al. **Chirurgie** 1983; 109(5):368–73 (Eng. Abstr.) **(Fre)**

[Surgical treatment of anal tumors] Marti MC. **Schweiz Rundsch Med Prax** 1984 Jul 10;73(28):885–7 (Eng. Abstr.) **(Fre)**

[Melanoma of the anorectum] Schwandner GK, et al. **Chirurg** 1984 Mar;55(3):168–70 (Eng. Abstr.) **(Ger)**

[Treatment of condyloma acuminatum in men] Zhukov NA. **Vestn Dermatol Venerol** 1983 Sep;(9):65–6 (Eng. Abstr.) **(Rus)**

THERAPY

Report of a visit to Professor J. Papillon, centre Leon Berard, Lyon, France. May 10–19 1983 [news] Ash D. **Br J Radiol** 1983 Nov;56(671):845–6

Carcinoma of the anal canal. Leibach SJ, et al. **Med Pediatr Oncol** 1983;11(5):367–70

[Treatment of anogenital warts] Cervenakov I, et al. **Bratisl Lek Listy** 1984 Apr;81(4):472–5 (Eng. Abstr.) **(Slo)**

ULTRASTRUCTURE

Intraepithelial carcinoma of the anus in homosexual men. Croxson T, et al. **Dis Colon Rectum** 1984 May;27(5):325–30

VETERINARY

Malignant perianal melanoma in a horse. Shokry M, et al. **Mod Vet Pract** 1984 Mar;65(3):226

Mucoepidermoid carcinoma of the anal canal in a goat. Turk JR, et al. **Vet Pathol** 1984 May;21(3):364–5

ANUS PROLAPSE see RECTAL PROLAPSE

ANXIETY

Lack of association between dermal arches and mitral valve prolapse: relation to anxiety. Kramer-Fox R, et al. **Am J Cardiol** 1984 Jan 1;53(1):148–52

Expectations and experiences of anaesthesia in a District General Hospital. Clifton PJ. **Anaesthesia** 1984 Mar; 39(3):281–5

Mothers are easily worried. Illingworth CM, et al. **Arch Dis Child** 1984 Apr;59(4):380–4

Acquisition of agoraphobia, mode of onset and anxiety response patterns. Ost LG, et al. **Behav Res Ther** 1983; 21(6):623–31

Anxiety concerning fetal malformations in pregnant women exposed or not exposed to an antenatal serum alpha-fetoprotein screening program. Berne-Fromell K, et al. **Gynecol Obstet Invest** 1984;17(1):36–9

Psychosocial antecedents of myocardial infarction. Gupta LN, et al. **Indian J Med Res** 1983 May;77:697–701

A factor analytic study of the relationship of experience seeking and trait anxiety to drug use and reasons for drug use. Hobfoll SE, et al. **Int J Addict** 1983 May;18(4):539–49

Sources of anxiety about pelvic examinations among adolescent females. Millstein SG, et al. **J Adolesc Health Care** 1984 Apr;5(2):105–11

Medical student anxiety in a respiratory therapeutics elective. Shelly RW. **J Med Educ** 1984 Jun;59(6):523–4

Psychological management of anxiety and pain during dental treatment. Wardle J. **J Psychosom Res** 1983;27(5):399–402

Relationship between aerobic exercise, anxiety, and depression: convergent validation by knowledgeable informants. Hayden RM, et al. **J Sports Med Phys Fitness** 1984 Mar;24(1):69–74

'Frustration—anxiety behaviour as a function of leprosy patients age and personality'. Chauhan NS, et al. **Lepr India** 1983 Oct;55(4):743–51

Anxiety as a human emotion: some basic conceptual models. Gomez EA, et al. **Nurs Forum** 1984;21(1):38–42

A patient's reaction to amniocentesis. Brewster A. **Obstet Gynecol** 1984 Sep;64(3):443–4

[Screening for cystic fibrosis; interviews with parents of children with a false-positive test result] Dankert-Roelse JE, et al. **Ned Tijdschr Geneeskd** 1983 Nov 19; 127(47):2136–9 (Eng. Abstr.) **(Dut)**

[Reflections on the concepts of anguish and anxiety] Lievens P. **Acta Psychiatr Belg** 1983 Sep–Oct;83(5):451–87 (Eng. Abstr.) **(Fre)**

[Perception of anguish and anxiety by artists through the centuries] Ouvrard J. **Actual Odontostomatol (Paris)** 1983 Dec;144:593–622 **(Fre)**

[Role of psychologists confronted by anguish or anxiety in dentistry] Tiano F. **Actual Odontostomatol (Paris)** 1983 Dec;144:771–800 **(Fre)**

[Behavioral models of anxiety in animals] Thiebot MH. **Encephale** 1983;9(4 Suppl 2):167B–176B (36 ref.) (Eng. Abstr.) **(Fre)**

[The preoperative mental state] Tolksdorf W. **Fortschr Med** 1984 Mar 29;102(12):342–5 (Eng. Abstr.) **(Ger)**

[Importance of fear in diabetic children] Wisiak UV, et al. **Padiatr Padol** 1983;18(4):375–80 (Eng. Abstr.) **(Ger)**

[Anxiety and the knowledge of current diagnostic procedures in lung diseases] Pecyna M, et al. **Pneumonol Pol** 1983 Jun; 51(6):353–60 (Eng. Abstr.) **(Pol)**

[Functional status of the central nervous system and the psychoemotional status of puerperants] Kintraia PIa, et al. **Akush Ginekol (Mosk)** 1984 Mar;(3):67–8 (Eng. Abstr.) **(Rus)**

[Age mechanisms determining the specificity of depression with a prominent anxiety component in late middle-age] Belen'kaia IG. **Zh Nevropatol Psikhiatr** 1983;83(9):1366–71 (Eng. Abstr.) **(Rus)**

BLOOD

Activation and anxiety as represented by patterns of catecholamine levels in hyper- and normotensives. Netter P. **Neuropsychobiology** 1983;10(2–3):148–55

CHEMICALLY INDUCED

Consumption of coffee or tea and symptoms of anxiety. Eaton WW, et al. **Am J Public Health** 1984 Jan;74(1):66–8

The psychological side effects of acebutolol and atenolol. Lewis MJ, et al. **Br J Clin Pharmacol** 1984 Mar;17(3):364–6

Anxiogenic aspects of diazepam withdrawal can be detected in animals. Emmett-Oglesby M, et al. **Eur J Pharmacol** 1983 Aug 19;92(1–2):127–30

Effects of caffeine on anxiety and depression. Veleber DM, et al. **J Abnorm Psychol** 1984 Feb;93(1):120–2

Carbon dioxide and anxiety: cardiovascular effects of a single inhalation. Griez E, et al. **J Behav Ther Exp Psychiatry** 1983 Dec;14(4):297–304

Interactions of ethyl-beta-carboline-3-carboxylate and Ro 15-1788 with CGS 8216 in an animal model of anxiety. File SE, et al. **Neurosci Lett** 1983 Aug 19;39(1):91–4

Effect of the H2-receptor antagonist ranitidine on depression and anxiety in duodenal ulcer patients. Robins AH, et al. **Postgrad Med J** 1984 May;60(703):353–5

Caffeine: relationship to human anxiety, plasma MHPG and cortisol. Uhde TW, et al. **Psychopharmacol Bull** 1984 Summer;20(3):426–30

[The anxiety process during various high doses of thalamonal as premedication (letter)] Tolksdorf W. **Anaesthesist** 1984 Jun;33(6):298–300 **(Ger)**

COMPLICATIONS

Anxiety and depersonalization and derealization experiences. Trueman D. **Psychol Rep** 1984 Feb;54(1):91–6

DIAGNOSIS

Grading of pain and anxiety. Comparison between a linear analogue and a computerised audiovisual analogue scale. Bhachu HS, et al. **Anaesthesia** 1983 Sep;38(9):875–8

It may not be worth the effort! Trained judges' global ratings as a criterion measure of social skills and anxiety. Wallander JL, et al. **Behav Modif** 1983 Apr;7(2):139–50

Some norms and reliability data for the State—Trait Anxiety Inventory and the Zung Self-Rating Depression scale. Knight RG, et al. **Br J Clin Psychol** 1983 Nov;22 (Pt 4):245–9

Symptoms of emotional distress in a family planning service: stability over a four-week period. Winokur A, et al. **Br J Psychiatry** 1984 Apr;144:395–9

The use of electrophotographic techniques in differentiating state depression and state anxiety. Hovsepian W, et al. **Br J Psychol** 1983 Aug;74 (Pt 3):371–9

Cross-validation of the State-Trait Anxiety Inventory with an alcoholic population. Donham GW, et al. **J Clin Psychol** 1984 Mar;40(2):629–31

Anxiety as measured by the Draw-a-Person Test: a response to Sims, Dana, and Bolton [letter] Handler L. **J Pers Assess** 1984 Feb;48(1):82–4

Psychometric properties of the STAI: a reply to Ramanaiah, Franzen, and Schill [letter] Spielberger CD, et al. **J Pers Assess** 1984 Feb;48(1):95–7

Anxiety among Canadian, Japanese, and American children. Richmond BO, et al. **J Psychol** 1984 Jan;116(1st Half):3–6

Hypersensitivity to amide local anesthetics? Report of a case. Milam SB, et al. **Oral Surg** 1983 Dec;56(6):593–6

Evaluating a household survey measure of psychic distress. Mellinger GD, et al. **Psychol Med** 1983 Aug;13(3):607–22

[Psychotic anxiety and neurotic anxiety. Qualitative or quantitative difference] Allilaire JF. **Encephale** 1983;9(4 Suppl 2):211B–216B (Eng. Abstr.) **(Fre)**

[Psychometry of anxiety] Perse J. **Encephale** 1983;9(4 Suppl 2):217B–221B (Eng. Abstr.) **(Fre)**

[Semeiology of anxiety] Petit M. **Encephale** 1983;9(4 Suppl 2):199B–204B (Eng. Abstr.) **(Fre)**

[Psychological and emotional responses to anesthesia and surgery] Cardaci SB, et al. **Minerva Anestesiol** 1983 Jun; 49(6):357–70 (Eng. Abstr.) **(Ita)**

[Individual features of rat behavior: manifestations of anxiety] Khonicheva NM, et al. **Zh Vyssh Nerv Deiat** 1984 May-Jun;34(3):537–46 (Eng. Abstr.) **(Rus)**

[Depression and anxiety: differential diagnosis] Nuñez-López JA. **Bol Asoc Med PR** 1983 Sep;75(9):421–3 **(Spa)**

DRUG EFFECTS

Anxiogenic action of a convulsant benzodiazepine: reversal by chlordiazepoxide. File SE, et al. **Brain Res** 1983 Nov 14;278(1–2):370–2

The effects of caffeine on plasma MHPG, subjective anxiety, autonomic symptoms and blood pressure in healthy humans. Charney DS, et al. **Life Sci** 1984 Jul 9;35(2):135–44

[Premedication and anxiety in operative dentistry and maxillofacial surgery] Lepaul M, et al. **Actual Odontostomatol (Paris)** 1983 Dec;144:713–32 **(Fre)**

[Anguish and general anesthesia in pedodontics] Saint-Maurice C, et al. **Actual Odontostomatol (Paris)** 1983 Dec;144:733–41 **(Fre)**

DRUG THERAPY

Benzodiazepines in the management of anxiety. Buchan T. **Cent Afr J Med** 1984 Mar;30(3):297–8, 300

Bromazepam: acute benefit-risk assessment in general practice. Hallett C, et al. **Curr Med Res Opin** 1984; 8(10):683–8

Short-term versus long-term benzodiazepine therapy. Lader M. **Curr Med Res Opin** 1984;8 Suppl 4:120–6

Management of adverse drug reactions in conscious-sedation. Bennett CR. **Dent Clin North Am** 1984 Jul;28(3):509–28

Three more benzodiazepines. **Drug Ther Bull** 1983 Aug 12; 21(16):63–4

The role of general practitioner research groups in the study of benzodiazepines. Harris PG. **Encephale** 1983;9(4 Suppl 2):261B–265B

Comparative studies on benzodiazepines and psychotherapies. Marks I. **Encephale** 1983;9(4 Suppl 2):23B–30B

Treating anxiety in elderly patients. Jenike MA. **Geriatrics** 1983 Oct;38(10):115–9

Responses to phenelzine and amitriptyline absence of differential predictors by multiple regression analysis. Bhat AV, et al. **J Affective Disord** 1984 Apr;6(2):209–18

Use of orally administered diazepam in the reduction of dental anxiety. Baker JP, et al. **J Am Dent Assoc** 1984 May; 108(5):778–80

Mood-altering effects of disulfiram in alcoholics. Goyer PF, et al. **J Stud Alcohol** 1984 May;45(3):209–13

Prenatal treatment with clomipramine has an anxiolytic profile in the adolescent rat. File SE, et al. **Physiol Behav** 1983 Jul;31(1):57–61

Plasma concentrations of benzodiazepines—a review of clinical findings and implications. Norman TR, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(1):115–26

Differential effects of benzodiazepines and amphetamine on exploratory behaviour in weanling rats: an animal model for anxiolytic activity. Salt JS, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(1):163–9

A double blind comparison of alprazolam, diazepam and placebo in the treatment of anxious out-patients. Davison K, et al. **Psychopharmacology (Berlin)** 1983;80(4):308–10

[Plasma concentrations and clinical activity of benzodiazepines] Boyer P. **Encephale** 1983;9(4 Suppl 2):59B–65B (Eng. Abstr.) **(Fre)**

[Concept of half-life and benzodiazepine metabolism. Critical study] Cano JP, et al. **Encephale** 1983;9(4 Suppl 2):75B–80B (Eng. Abstr.) **(Fre)**

[Benzodiazepines. Long-term prescription and withdrawal] Feline A, et al. **Encephale** 1983;9(4 Suppl 2):103B–108B (Eng. Abstr.) **(Fre)**

[Consumption of benzodiazepines: good and bad uses] Ginestet D. **Encephale** 1983;9(4 Suppl 2):97B–101B (Eng. Abstr.) **(Fre)**

[Placebo effect and relief of anxiety] Olié JP, et al. **Encephale** 1983;9(4 Suppl 2):231B–235B (Eng. Abstr.) **(Fre)**

[Method of testing drug therapies for anxiety. Methodology of controlled trials] Pull CB. **Encephale** 1983;9(4 Suppl 2):237B–241B (Eng. Abstr.) **(Fre)**

[Functional aspects of the interaction between benzodiazepines and their central receptors] Soubrié P. **Encephale** 1983;9(4 Suppl 2):183B–190B (25 ref.) (Eng. Abstr.) **(Fre)**

[Clinical choice of a benzodiazepine] Villeneuve A. **Encephale** 1983;9(4 Suppl 2):253B–259B (Eng. Abstr.) **(Fre)**

[An original treatment of sleep disorders, anxiety and agitation in elderly patients: tiapride] Taillefer SM, et al. **Sem Hop Paris** 1983 Jul 7;59(27–28):2049–52 (Eng. Abstr.) **(Fre)**

[Leading symptom of anxiety and tension and its concomitant somatic manifestations. A multicenter trial of fluspirilene versus bromazepam] Thilmann J. **Fortschr Med** 1983 Oct 6;101(37):1676–8 (Eng. Abstr.) **(Ger)**

[Anxiolytic effect of the beta1-receptor blocker metoprolol. Comparative study with oxazepam in patients receiving concomitant basic antidepressive therapy] Seeler W, et al. **MMW** 1984 Jan 20;126(3):65–8 (Eng. Abstr.) **(Ger)**

[Geronto-pharmacological aspects of the digestive system] Mungiu OC, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Jan-Mar;87(1):93–5 **(Rum)**

[Nootropic and anxiolytic properties of endogenous ligands of benzodiazepine receptors and their structural analogs] Akhundov RA, et al. **Biull Eksp Biol Med** 1984 Feb; 97(2):174–7 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Nuclear power: psychology and statistics. Annas GJ. **Am J Public Health** 1983 Nov;73(11):1327–8

The effects of waiting time and waiting room environment on dental patients' anxiety. Coffey PA, et al. **Aust Dent J** 1983 Jun;28(3):139–42

Relaxation-induced anxiety: mechanisms and theoretical implications. Heide FJ, et al. **Behav Res Ther** 1984; 22(1):1–12

Dental anxiety, the parental family and regularity of dental attendance. Schuurs AH, et al. **Community Dent Oral Epidemiol** 1984 Apr;12(2):89–95

Historical antecedents of dental anxiety. Scott DS, et al. **J Am Dent Assoc** 1984 Jan;108(1):42–5

Pianist's cramp to stage fright: the medical side of music-making [news] Ziporyn T. **JAMA** 1984 Aug 24–31; 252(8):985–9

Neurobiological mechanisms in human anxiety. Evidence supporting central noradrenergic hyperactivity. Charney DS, et al. **Neuropharmacology** 1983 Dec;22(12B):1531–6 (64 ref.)

Behavioral analogues of anxiety. Animal models. Lal H, et al. **Neuropharmacology** 1983 Dec;22(12B):1423–41 (118 ref.)

METABOLISM

New concepts in the neurobiology of anxiety. Skolnick P, et al. **J Clin Psychiatry** 1983 Nov;44(11 Pt 2):12–20

OCCURRENCE

Agreement for surgical patients on two situations for the trait anxiety inventory. Boeke S, et al. **Psychol Rep** 1984

Feb;54(1):278
[Epidemiologic studies on anxiety] Quemada N. **Encephale** 1983;9(4 Suppl 2):3B–7B (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Plasma beta-endorphin, pain thresholds and anxiety levels across the human menstrual cycle. Veith JL, et al. **Physiol Behav** 1984 Jan;32(1):31–4
[Pain and anxiety] Sansoy N, et al. **Actual Odontostomatol (Paris)** 1983 Dec;144:665–77 **(Fre)**

PHYSIOPATHOLOGY

Anxiety, stress, and contingent negative variation reconsidered. Glanzmann P, et al. **Ann NY Acad Sci** 1984; 425:578–84
The effects of anxiety and expectancy on the CNV. Proulx GB, et al. **Ann NY Acad Sci** 1984;425:617–22
A theory of anxiety: the role of the limbic system. Gray JA. **Encephale** 1983;9(4 Suppl 2):161B–166B
The psychophysiology of anxiety. Lader M. **Encephale** 1983; 9(4 Suppl 2):205B–210B
The effects of a psychological 'stressor' and raised ambient temperature on the pharmacological responsiveness of human eccrine sweat glands: implications for sweat gland hyper-responsiveness in anxiety states. van den Broek MD, et al. **Eur J Clin Pharmacol** 1984;26(2):209–13
Behavior and anxiety: physiologic mechanisms. Lader M. **J Clin Psychiatry** 1983 Nov;44(11 Pt 2):5–11
Plasma beta-endorphin-like immunoreactivity, pain and anxiety following administration of placebo in oral surgery patients. Hargreaves KM, et al. **J Dent Res** 1983 Nov; 62(11):1170–3
The effect of aerobic conditioning and induced stress on state-trait anxiety, blood pressure, and muscle tension. McGlynn GH, et al. **J Sports Med Phys Fitness** 1983 Sep; 23(3):341–51
Anxiety, pain experience, and pain report: a signal-detection study. Schumacher R, et al. **Percept Mot Skills** 1984 Apr; 58(2):339–49
Physiological basis of anxiety. Symposium of the World Psychiatric Association Section Clinical Psychopathology. Vienna, July 11, 1983. **Psychopathology** 1984;17 Suppl 1:5–106
Neurobiologic perspectives on anxiety. **Psychopharmacol Bull** 1983;19(3):457–78
Finger pulse volume as a measure of anxiety in response to evaluative threat. Smith TW, et al. **Psychophysiology** 1984 May;21(3):260–4
[Peptides and anxiety] Dantzer R. **Encephale** 1983;9(4 Suppl 2):177B–182B (Eng. Abstr.) **(Fre)**

PREVENTION & CONTROL

Taking the tension out of pelvic exams. Primrose RB. **Am J Nurs** 1984 Jan;84(1):72–4
Oxazepam premedication in neurosurgical patients. The use of a fast-dissolving oral preparation of oxazepam as a pre-operative anxiolytic drug in neurosurgical patients. Barrett RF, et al. **Anaesthesia** 1984 May;39(5):429–32
Anxiety in surgical patients' families. Kathol DK. **AORN J** 1984 Jul;40(1):131–7
The effect of preoperative instruction on state anxiety. Shimko C. **J Neurosurg Nurs** 1981 Dec;13(6):318–22
[The anxiety process under various high doses of thalamonal for premedication] Höfling S, et al. **Anaesthesist** 1983 Nov; 32(11):512–8 (Eng. Abstr.) **(Ger)**

PSYCHOLOGY

Affect of musical preference on anxiety as determined by physiological skin responses. Peretti PO, et al. **Acta Psychiatr Belg** 1983 Sep–Oct;83(5):437–42
Cigarette smoking during anxiety-provoking and monotonous tasks. Rose JE, et al. **Addict Behav** 1983; 8(4):353–9
Obesity, anxiety, and food consumption. Ruderman AJ. **Addict Behav** 1983;8(3):235–42
The effects of acute physical exercise on the state anxiety and mental performance of college women. Abood DA. **Am Correct Ther J** 1984 May–Jun;38(3):69–74
Hyperprolactinemia, distress, and hostility. Kellner R, et al. **Am J Psychiatry** 1984 Jun;141(6):759–63
Chronic pain as a third pathologic emotion. Swanson DW. **Am J Psychiatry** 1984 Feb;141(2):210–4
Horney theory and mother/child impact on early childhood [letter] Ingram DH. **Am J Psychoanal** 1984 Spring; 44(1):115–8
Horney theory and mother/child impact on early childhood [letter] Rosenthal HM. **Am J Psychoanal** 1984 Spring; 44(1):118–20
The role of anxiety in sexual dysfunctions: a review. Norton GR, et al. **Arch Sex Behav** 1984 Apr;13(2):165–83 (66 ref.)
Effects of sex education on sexual guilt, anxiety, and attitudes: a comparison of instruction formats. Wanlass RL, et al. **Arch Sex Behav** 1983 Dec;12(6):487–502
Anxiety and coping behavior during an emergency landing. Götestam B, et al. **Behav Modif** 1983 Oct;7(4):569–75
Musical performance anxiety: the three-systems model and self-efficacy theory. Craske MG, et al. **Behav Res Ther** 1984;22(3):267–80
The relationship of panic-fear to anxiety and tension in jaw wiring for obesity. Ross MW, et al. **Br J Med Psychol** 1984 Mar;57 (Pt 1):67–9
Anxiety and the measurement of handedness. Beaton AA, et al. **Br J Psychol** 1984 May;75 (Pt 2):275–8
Material anxiety following bereavement by cot death and emotional security of subsequent infants. Lewis SN. **Child Psychiatry Hum Dev** 1983 Fall;14(1):55–61
The role of recollected anxiety in parental adaptation to low birthweight infants. Philipp C. **Child Psychiatry Hum Dev** 1983 Summer;13(4):239–48
Anxiety as a factor in continuance and dropout in treatment. Wilson EN, et al. **Int J Addict** 1983 May;18(4):577–82
Death anxiety in leukemic Chinese children. Lee PW, et al. **Int J Psychiatry Med** 1983–84;13(4):281–9
Anxiety and the restitutional function of homosexual cruising. Calef V, et al. **Int J Psychoanal** 1984;65 (Pt 1):45–53
Social anxiety and the semantic structure of heterosocial interactions. Goldfried MR, et al. **J Abnorm Psychol** 1984 Feb;93(1):87–97
Hyperventilation: its relation to symptom experience and to anxiety. Huey SR, et al. **J Abnorm Psychol** 1983 Nov; 92(4):422–32
Is increased arousal in social anxiety noticed by others? McEwan KL, et al. **J Abnorm Psychol** 1983 Nov; 92(4):417–21
Prediction of psychological symptoms under high-risk psychosocial circumstances: life events, social support, and symptom specificity. Monroe SM, et al. **J Abnorm Psychol** 1983 Aug;92(3):338–50
Dental anxiety: the patient's point of view. Rankin JA, et al. **J Am Dent Assoc** 1984 Jul;109(1):43–7
Autonomic correlates of the subjective anxiety scale. Thyer BA, et al. **J Behav Ther Exp Psychiatry** 1984 Mar;15(1):3–7
The influence of intelligence on coping style selection. Bailey LA, et al. **J Clin Psychol** 1983 Nov;39(6):901–8
Actual and recalled test anxiety and flexibility, rigidity, and self-control. DeVito AJ, et al. **J Clin Psychol** 1983 Nov; 39(6):970–5
Social avoidance and distress: its relationship to self-confidence, and needs for affiliation, change, dominance, and deference. Geist CR, et al. **J Clin Psychol** 1983 Sep;39(5):727–30
Anxiety as a personality dimension of short and long sleepers. Kumar A, et al. **J Clin Psychol** 1984 Jan;40(1):197–8
Assessment of irrational beliefs: the question of discriminant validity. Smith TW, et al. **J Clin Psychol** 1983 Nov; 39(6):976–9
Effects of anxiety and depression on anagram performance, ratings of cognitive interference, and the negative subjective evaluation of performance. Zarantonello M, et al. **J Clin Psychol** 1984 Jan;40(1):20–5
Cognitions, test anxiety, and test performance: a closer look. Galassi JP, et al. **J Consult Clin Psychol** 1984 Apr; 52(2):319–20
Anxiety, cognitive style, and mathematics achievement. Sewell TE, et al. **J Gen Psychol** 1983 Jul;109(1st Half):59–66
The Framingham Type A Scale and anxiety, irrational beliefs, and self-control. Smith TW, et al. **J Human Stress** 1983 Jun;9(2):32–7
The assessment of personality, anxiety and depression in mandibular pain dysfunction subjects. Moss RA, et al. **J Oral Rehabil** 1984 May;11(3):233–5
Anxiety and performance in two ego threatening situations. Anson O, et al. **J Pers Assess** 1984 Apr;48(2):168–72
A psychometric study of the State-Trait Anxiety Inventory. Ramanaiah NV, et al. **J Pers Assess** 1983 Oct;47(5):531–5
The discrepant repressor: differentiation between low anxiety, high anxiety, and repression of anxiety by autonomic-facial-verbal patterns of behavior. Asendorpf JB, et al. **J Pers Soc Psychol** 1983 Dec;45(6):1334–46
Distinguishing between cognitive and somatic trait and state anxiety in children. Fox JE, et al. **J Pers Soc Psychol** 1983 Oct;45(4):862–70
Social anxiety, sexual behavior, and contraceptive use. Leary MR, et al. **J Pers Soc Psychol** 1983 Dec;45(6):1347–54
Motivation, anxiety, and the difficulty of avoidant control. Wright RA. **J Pers Soc Psychol** 1984 Jun;46(6):1376–88
The effects of test difficulty on undergraduates' state anxiety and perception of test difficulty. Head LQ, et al. **J Psychol** 1984 Jan;116(1st Half):55–8
The structure of evaluative anxiety among children differing in socioeconomic status, ethnicity, and sex. Rhine WR, et al. **J Psychol** 1983 Nov;115(2d Half):145–58
Anxiety during a crisis: emotional effects of screening for neural tube defects. Robinson JO, et al. **J Psychosom Res** 1984;28(2):163–9
The effects of crowding on hostility, anxiety, and desire for social interaction. Zeedyk-Ryan J, et al. **J Soc Psychol** 1983 Aug;120(2d Half):245–52
Absence of intrinsic antagonist actions of benzodiazepine antagonists on an exploratory model of anxiety in the mouse. Crawley JN, et al. **Neuropharmacology** 1984 May; 23(5):531–7
Panic attacks and generalized anxiety states. Saucier RP. **Nurse Pract** 1984 Aug;9(8):35–7
Influence of trait anxiety on perception of humor. Blank AM, et al. **Percept Mot Skills** 1983 Aug;57(1):103–6
Spielberger's State-Trait Anxiety Inventory: Measuring anxiety with and without an audience during performance on a stabilometer. Ferreira R, et al. **Percept Mot Skills** 1983 Aug;57(1):15–8
Subjective acceleration of time: death anxiety and sex differences. Joubert CE. **Percept Mot Skills** 1983 Aug; 57(1):49–50
Winter blahs and spring irritability: the chronic but subtle behavioral operations. Persinger MA. **Percept Mot Skills** 1983 Oct;57(2):496–8
Competition trait anxiety in youth sport: differences according to age, sex, race and playing status. Smith T. **Percept Mot Skills** 1983 Dec;57(3 Pt 2):1235–8
On anxiety and terror. Silbermann I. **Psychoanal Study Child** 1983;38:569–74
Death anxiety, purpose in life and duration of service in hospice volunteers. Amenta MM. **Psychol Rep** 1984 Jun; 54(3):979–84
Agreement for surgical patients on two instructional situations for the state anxiety inventory. Boeke S, et al. **Psychol Rep** 1983 Oct;53(2):536–8
Concordance of depression and anxiety in patients with cancer. Cassileth BR, et al. **Psychol Rep** 1984 Apr; 54(2):588–90
Trait anxiety and response to potential flood disaster. de Man A, et al. **Psychol Rep** 1984 Apr;54(2):507–12
Trait anxiety, perception of potential nuclear hazard, and state anxiety. de Man A, et al. **Psychol Rep** 1984 Jun; 54(3):791–4
Relationship of religiosity to death anxiety of middle-aged males. Downey AM. **Psychol Rep** 1984 Jun;54(3):811–22
Trait/set interactions in EMG biofeedback. Drennen WT, et al. **Psychol Rep** 1984 Jun;54(3):843–9
Moderating effects of trait anxiety on electrodermal reactions in different learning conditions. Hentschel U, et al. **Psychol Rep** 1984 Jun;54(3):803–9
Public self-consciousness, social anxiety, and variability of social behavior. Lennox R. **Psychol Rep** 1984 Jun; 54(3):911–4
Death anxiety and attitudes toward disabled persons. Livneh H. **Psychol Rep** 1983 Oct;53(2):359–63
Personal space, crowding, and the interference model of test anxiety. McElroy JC, et al. **Psychol Rep** 1983 Oct; 53(2):419–24
Cross-cultural research on the Templer/McMordie Death Anxiety Scale. McMordie WR, et al. **Psychol Rep** 1984 Jun;54(3):959–63
Anxiety and intelligence interact with recognition and recall. Moores ND, et al. **Psychol Rep** 1983 Dec;53(3 Pt 1):945–6
Anxiety and hirsutism. Rabinowitz S, et al. **Psychol Rep** 1983 Dec;53(3 Pt 1):827–30
Death anxiety scale means and standard deviations for Ontario undergraduates and funeral directors. Schell BH, et al. **Psychol Rep** 1984 Apr;54(2):439–46
Feedback and anxiety in verbal discrimination learning. Schneider HG, et al. **Psychol Rep** 1984 Jun;54(3):895–9
Relationship of fear of failure to amount of time spent in a final examination. Teevan RC, et al. **Psychol Rep** 1983 Oct;53(2):343–6
Role of reinforcement and response cost in discrimination learning. Trent JT. **Psychol Rep** 1983 Aug;53(1):207–11
Psychosocial correlates of death anxiety in a population of medical students. Vargo ME, et al. **Psychol Rep** 1984 Jun; 54(3):737–8
Anxiety and depression in 100 female geriatric inpatients. A psychopathological study. Siciliani O, et al. **Psychopathology** 1984;17(3):121–7
The interface of chronic depression with personality and anxiety disorders. Akiskal HS. **Psychopharmacol Bull** 1984 Summer;20(3):393–8
Behavioral and physiological responses to benzodiazepine receptor antagonists. Crawley JN, et al. **Psychopharmacol Bull** 1984 Summer;20(3):403–7
Specificity of lactate infusion as a model of anxiety. Rainey JM Jr, et al. **Psychopharmacol Bull** 1984 Winter;20(1):45–9
Personality characteristics and dysthymic states in bronchial asthma. Lykeisos GC, et al. **Psychother Psychosom** 1984; 41(4):177–85
[Psychodynamic understanding of anxiety] Badiche A, et al. **Encephale** 1983;9(4 Suppl 2):17B–21B (Eng. Abstr.) **(Fre)**
[Anxiety and mastering of anxiety by the patient and personnel at a medical intensive care station] Bernhard P. **Psychother Psychosom Med Psychol** 1984 Feb;34(2):50–5 (Eng. Abstr.) **(Ger)**
[Attribution processes of Parkinson patients in partner relations and the effects of anxiety] Döring J. **Psychother Psychosom Med Psychol** 1984 Jun;34(6):140–7 (Eng. Abstr.) **(Ger)**
[Anxiety and amniocentesis] Voges B. **Psychother Psychosom Med Psychol** 1983 Nov;33(6):213–6 (Eng. Abstr.) **(Ger)**
[Can discrepancies between physiologic and subjective data as indicators of individual anxiety be used?] Beyer HG. **Z Exp Angew Psychol** 1984;31(3):351–75 (Eng. Abstr.) **(Ger)**
[A study of the repression-sensitization dimension in the Thematic Apperception Test] Kimura N. **Shinrigaku Kenkyu** 1983 Jun;54(2):95–101 (Eng. Abstr.) **(Jpn)**

THERAPY

Methadone dose decreases and anxiety reduction. Hall SM, et al. **Addict Behav** 1984;9(1):11–9
An integrated approach to the management of dental anxiety. Foreman PA. **Aust Dent J** 1984 Feb;29(1):10–4

Heterosocial anxiety in college females. A biased interactions treatment. Haemmerlie FM. **Behav Modif** 1983 Oct; 7(4):611–23

Respiratory relief therapy. A new treatment procedure for the reduction of anxiety. Longo DJ, et al. **Behav Modif** 1984 Jul;8(3):361–78

The effects of language conditioning on various aspects of anxiety. Eifert GH. **Behav Res Ther** 1984;22(1):13–21

The treatment of anxiety by reciprocal inhibition under hypnosis. Morcas BA. **Br Dent J** 1984 Jul 21;157(2):68

Differential stress reduction: preliminary application to an alcohol-abusing population. Spoth R. **Int J Addict** 1983 Aug;18(6):835–49

A multidisciplinary approach to the treatment of dental phobia. Bar-Gil B, et al.
J Am Soc Psychosom Dent Med 1983;30(4):137–41

The effects of anxiety management training on the control of juvenile diabetes mellitus. Rose MI, et al.
J Behav Med 1983 Dec;6(4):381–95

The treatment of temporomandibular joint syndrome through control of anxiety. Stam HJ, et al.
J Behav Ther Exp Psychiatry 1984 Mar;15(1):41–5

Anxiety related to medical disease. Schuckit MA.
J Clin Psychiatry 1983 Nov;44(11 Pt 2):31–7

Desensitization of test anxious urban community-college students and resulting changes in grade point average: a replication. Hudesman J, et al. **J Clin Psychol** 1984 Jan; 40(1):65–7

The effects of self-administered cognitive therapy on social-evaluative anxiety. Schelver SR, et al.
J Clin Psychol 1983 Sep;39(5):658–66

Exposure and anxiety management in the treatment of social phobia. Butler G, et al. **J Consult Clin Psychol** 1984 Aug; 52(4):642–50

Effects of anxiety-reducing hypnotic training on learning and reading-comprehension tasks. Johnson RL, et al.
J Natl Med Assoc 1984 Mar;76(3):233–5

Effects of dance on anxiety. Lesté A, et al.
Percept Mot Skills 1984 Jun;58(3):767–72

Anxiety treatment. A commonsense approach. Schuckit MA.
Postgrad Med 1984 Feb 1;75(2):52–63

Comparison of use of meditation and rest in treatment of test anxiety. Kindlon DJ. **Psychol Rep** 1983 Dec;53(3 Pt 1):931–8

Reduction of anxiety: comparative effectiveness of imagery psychotherapy vs self-help seminars. Morrison JK, et al. **Psychol Rep** 1983 Oct;53(2):417–8

Effects of three different one-hour single-session treatments for test anxiety. Ricketts MS, et al. **Psychol Rep** 1984 Feb; 54(1):115–20

[Unexpected effect of repetition of imaged behavior] Griez E, et al. **Can J Psychiatry** 1983 Aug;28(5):371–3 (Eng. Abstr.) **(Fre)**

[Treatment of somatic manifestations of anxiety] Besançon G. **Encephale** 1983;9(4 Suppl 2):31B–318B (Eng. Abstr.) **(Fre)**

[Treatment of generalized anxiety] Danion JM, et al.
Encephale 1983;9(4 Suppl 2):307B–312B (Eng. Abstr.) **(Fre)**

[Behavioral approach to stress and anxiety and the management of stress] Fontaine O. **Encephale** 1983;9(4 Suppl 2):43B–48B (Eng. Abstr.) **(Fre)**

[Changes in vigilance and treatment of anxiety] Gorceix A. **Sem Hop Paris** 1983 Oct 20;59(37–38):2645–6 **(Fre)**

ANXIETY, CASTRATION

PSYCHOLOGY

Castration complex. Evidence from men operated for hypospadias. Berg G, et al. **Acta Psychiatr Scand** 1983 Sep; 68(3):143–53

ANXIETY DISORDERS

The anxiety disorders. Brown JT, et al. **Ann Intern Med** 1984 Apr;100(4):558–64 (96 ref.)

The assessment of anxiety level in dermatological patients. Bhat VK. **Indian J Dermatol** 1983 Oct;28(4):167–9

[Classification and therapeutic principles to follow in anxiety states] Casacchia M. **Clin Ter** 1983 Dec 31;107(6):507–15 **(Ita)**

BLOOD

Hypoglycemia and panic attacks. Gorman JM, et al.
Am J Psychiatry 1984 Jan;141(1):101–2

Diazepam and desmethyldiazepam plasma concentrations in chronic anxious outpatients. Rickels K, et al.
Pharmacopsychiatry 1984 Mar;17(2):44–9

CHEMICALLY INDUCED

Lactate provocation of panic attacks. I. Clinical and behavioral findings. Liebowitz MR, et al.
Arch Gen Psychiatry 1984 Aug;41(8):764–70

Lithium and phenytoin interaction [letter] Raskin DE.
J Clin Psychopharmacol 1984 Apr;4(2):120

Two distinct 'paradoxical' reactions to neuroleptics. Brodsky L, et al. **Psychiatr J Univ Ottawa** 1984 Jun;9(2):61–4

A novel chemically induced animal model of human anxiety. Skolnick P, et al. **Psychopathology** 1984;17 Suppl 1:25–36 (35 ref.)

CLASSIFICATION

A dimensional conceptualization of anxiety [letter] Templer DI, et al. **Br J Psychiatry** 1984 May;144:554

Classification of anxiety. Tyrer P. **Br J Psychiatry** 1984 Jan; 144:78–83

Delineation of anxiety and phobic disorders responsive to monoamine oxidase inhibitors: implications for classification. Sheehan DV. **J Clin Psychiatry** 1984 Jul;45(7 Pt 2):29–36

COMPLICATIONS

Low prevalence of mitral valve prolapse in patients with panic disorder. Shear MK, et al. **Am J Psychiatry** 1984 Feb;141(2):302–3

Mitral valve prolapse and anxiety disorders [letter] Chan MP, et al. **Br J Psychiatry** 1984 Aug;145:216–7

A comparative double-blind study of loprazolam, 1 mg and 2 mg, versus placebo in anxiety-induced insomnia. Botter PA. **Curr Med Res Opin** 1983;8(9):626–30

Anxious depressions. Clinical, family history, and naturalistic outcome—comparisons with panic and major depressive disorders. VanValkenburg C, et al. **J Affective Disord** 1984 Feb;6(1):67–82

Mitral valve prolapse: a marker for anxiety or overlapping phenomenon? Boudoulas H, et al. **Psychopathology** 1984; 17 Suppl 1:98–106

DIAGNOSIS

A comparison of panic disorder and generalized anxiety disorder. Anderson DJ, et al. **Am J Psychiatry** 1984 Apr; 141(4):572–5

Dexamethasone suppression test in patients with panic disorder and secondary depression [letter] Bueno JA, et al. **Arch Gen Psychiatry** 1984 Jul;41(7):723–4

Reliability of DSM-III anxiety disorder categories using a new structured interview. Di Nardo PA, et al.
Arch Gen Psychiatry 1983 Oct;40(10):1070–4

Symptom checklist syndromes in the general population. Correlations with psychotherapeutic drug use. Uhlenhuth EH, et al. **Arch Gen Psychiatry** 1983 Nov;40(11):1167–73

Panic and anxiety [letter] Weitzner E.
Arch Gen Psychiatry 1983 Oct;40(10):1149

After the fire-ball. Popplow JR.
Aviat Space Environ Med 1984 Apr;55(4):337–8

New dimensions in anxiety: physiologic and psychiatric perspectives. Freedman DX. **J Clin Psychiatry** 1983 Nov; 44(11 Pt 2):3–4

Depressed women with panic attacks. Van Valkenburg C, et al. **J Clin Psychiatry** 1984 Sep;45(9):367–9

Panic disorder. Grant B, et al. **J Fam Pract** 1983 Nov; 17(5):907–14

Depression and anxiety in complex partial seizures. Perini G, et al. **J Nerv Ment Dis** 1984 May;172(5):287–90

Ambulatory heart rate changes during panic attacks. Barr Taylor C, et al. **J Psychiatr Res** 1982–83;17(3):261–6

Presentation of the anxious patient. Granville-Grossman K.
Postgrad Med J 1984;60 Suppl 2:7–11

Differential diagnosis of anxiety disorders. Bowen RC.
Prog Neuropsychopharmacol Biol Psychiatry 1983; 7(4–6):605–9

The diagnosis and drug treatment of anxiety disorders. Sheehan DV.
Prog Neuropsychopharmacol Biol Psychiatry 1983; 7(4–6):599–603

State anxiety: 120 days in the life of a very anxious man. Mefferd RB Jr. **Psychol Rep** 1983 Dec;53(3 Pt 2):1241–2

Relationship between separation anxiety and panic and agoraphobic disorders. Gittelman R, et al.
Psychopathology 1984;17 Suppl 1:56–65 (18 ref.)

Recognition of depression and anxiety by primary physicians. Linn LS, et al. **Psychosomatics** 1984 Aug;25(8):593–5, 599–600

[Rorschach test and differential diagnosis of anxiety] de Tychey C. **Ann Med Psychol (Paris)** 1984 Feb; 142(2):193–207 (Eng. Abstr.) **(Fre)**

[Psychotic anxiety and neurotic anxiety. Qualitative or quantitative difference] Allilaire JF. **Encephale** 1983;9(4 Suppl 2):211B–216B (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Pilot study of a specific serotonergic antagonist, pirenperone, in the treatment of anxiety disorders. Ansseau M, et al. **Acta Psychiatr Belg** 1983 Sep–Oct;83(5):517–24

Treatment of depressive anxiety states associated with psychosomatic symptoms. A double-blind multicentre clinical study: mianserin versus melitracen-flupentixol. Van Moffaert M, et al. **Acta Psychiatr Belg** 1983 Sep–Oct; 83(5):525–39

Mixed anxiety/depressive illness in general practice. A therapeutic comparison of nomifensine with fluphenazine/nortriptyline. Valle-Jones JC, et al.
Acta Psychiatr Scand 1983 Dec;68(6):494–500

Anxiety as part of depression. Montgomery SA.
Acta Psychiatr Scand [Suppl] 1983;308:171–4

Bromazepam, another high-potency benzodiazepine, for panic attacks [letter] Beaudry P, et al. **Am J Psychiatry** 1984 Mar;141(3):464–5

Rebound anxiety in anxious patients after abrupt withdrawal of benzodiazepine treatment. Fontaine R, et al.
Am J Psychiatry 1984 Jul;141(7):848–52

Antipanic effect of clonazepam [letter] Fontaine R, et al. **Am J Psychiatry** 1984 Jan;141(1):149

Treatment of panic disorder with imipramine alone. Garakani H, et al. **Am J Psychiatry** 1984 Mar;141(3):446–8

Emergence of hostility during alprazolam treatment. Rosenbaum JF, et al. **Am J Psychiatry** 1984 Jun; 141(6):792–3

Treatment of panic attacks with alprazolam and propranolol. Shehi M, et al. **Am J Psychiatry** 1984 Jul;141(7):900–1

Diazepam and propranolol in panic disorder and agoraphobia. Noyes R Jr, et al. **Arch Gen Psychiatry** 1984 Mar;41(3):287–92

Long-term benzodiazepine administration blunts growth hormone response to diazepam. Shur E, et al.
Arch Gen Psychiatry 1983 Oct;40(10):1105–8

Use of drugs in the treatment of anxiety. Vajda FJ, et al. **Aust Fam Physician** 1983 Oct;12(10):714–7

Abstinence syndrome from therapeutic doses of oxazepam [letter] Ananth J. **Can J Psychiatry** 1983 Nov;28(7):592

Pinazepam: review of pharmacological properties and therapeutic efficacy. Janbroers JM. **Clin Ther** 1984; 6(4):434–50

Anxiety in depression. Schwab JJ. **Clin Ther** 1984;6(4):536–45

Short-term versus long-term benzodiazepine therapy. Lader M. **Curr Med Res Opin** 1984;8 Suppl 4:120–6

Benzodiazepines in the treatment of acute anxiety. McCurdy L. **Curr Med Res Opin** 1984;8 Suppl 4:115–9

Benzodiazepines in therapy. Cohen S.
Curr Psychiatr Ther 1983;22:111–7

Alprazolam: a review of its pharmacodynamic properties and efficacy in the treatment of anxiety and depression. Dawson GW, et al. **Drugs** 1984 Feb;27(2):132–47 (96 ref.)

Clinical effects of abrupt withdrawal from tri-cyclic antidepressants and monoamine oxidase inhibitors after long-term treatment. Tyrer P. **J Affective Disord** 1984 Feb; 6(1):1–7

Value of serum diazepam and nordiazepam measurements in anxious patients. Tyrer P, et al. **J Affective Disord** 1984 Aug;7(1):1–10

Anxiolytic profiles. Gershon S, et al. **J Clin Psychiatry** 1983 Nov;44(11 Pt 2):45–57 (153 ref.)

Clomipramine treatment for panic attacks in patients with mitral valve prolapse. Grunhaus L, et al.
J Clin Psychiatry 1984 Jan;45(1):25–7

Nonbenzodiazepine anxiolytics: clinical usefulness. Rickels K. **J Clin Psychiatry** 1983 Nov;44(11 Pt 2):38–44

Alprazolam and diazepam in the treatment of generalized anxiety. Elie R, et al. **J Clin Psychopharmacol** 1984 Jun; 4(3):125–9

Anxiety in primary care: is short-term drug treatment appropriate? Tyrer P, et al. **J Psychiatr Res** 1984;18(1):73–8

Bromazepam, a new anxiolytic: a comparative study with diazepam in general practice. Royal College of General Practitioners Medicines Surveillance Organisation.
J R Coll Gen Pract 1984 Sep;34(266):509–12

Propranolol increases reduced beta-receptor function in severely anxious patients [letter] Lima DR, et al.
Lancet 1983 Dec 24–31;2(8365–66):1505

Beta-adrenergic blockers for anxiety.
Med Lett Drugs Ther 1984 Jun 22;26(664):61–2

Intramuscular lorazepam. A double-blind comparison with diazepam and placebo. Ananth J, et al.
Neuropsychobiology 1983;9(2–3):139–41

Benzodiazepine effect on information processing in generalized anxiety disorder. Lapierre YD, et al.
Neuropsychobiology 1983;9(2–3):88–93

Melperone in low doses in anxious neurotic patients. A double-blind placebo-controlled clinical study. Pöldinger WJ. **Neuropsychobiology** 1984;11(3):181–6

Long-term comparison of alprazolam, lorazepam and placebo in patients with an anxiety disorder. Cohn JB, et al. **Pharmacotherapy** 1984 Mar–Apr;4(2):93–8

A multi-centre comparison of prazepam and diazepam in the treatment of anxiety. Dorman T.
Pharmatherapeutica 1983;3(6):433–40

Alprazolam in the treatment of neurotic anxiety. Kerry RJ, et al. **Pharmatherapeutica** 1983;3(7):451–5

Practical aspects of the use of beta-blockers in anxiety stress: morbid anxiety. Hallstrom C. **Postgrad Med J** 1984;60 Suppl 2:26–8

Practical aspects of the use of beta-blockers in anxiety states: situational anxiety. James IM. **Postgrad Med J** 1984;60 Suppl 2:19–25

Beta-blockade in anxiety. Peet M. **Postgrad Med J** 1984;60 Suppl 2:16–8

New concepts in benzodiazepine therapy: rebound anxiety and new indications for the more potent benzodiazepines. Chouinard G, et al.
Prog Neuropsychopharmacol Biol Psychiatry 1983; 7(4–6):669–73

Are all benzodiazepines clinically equivalent? Lapierre YD.
Prog Neuropsychopharmacol Biol Psychiatry 1983; 7(4–6):641–6

Suriclone: a new anxiolytic drug. Lapierre YD, et al.
Prog Neuropsychopharmacol Biol Psychiatry 1983; 7(4–6):805–7

Plasma concentrations of benzodiazepines—a review of clinical findings and implications. Norman TR, et al.
Prog Neuropsychopharmacol Biol Psychiatry 1984; 8(1):115–26

Buspirone: an anxioselective alternative for the management of anxiety disorders. Riblet LA, et al.

Prog Neuropsychopharmacol Biol Psychiatry 1983; 7(4–6):663–8

Use of animal models: toward anxioselective drugs. Eison MS. **Psychopathology** 1984;17 Suppl 1:37–44

Benzodiazepine and nonbenzodiazepine anxiolytics. Goldberg HL. **Psychopathology** 1984;17 Suppl 1:45–55 (30 ref.)

Changes in the drug treatment of anxiety disorders. Pohl R, et al. **Psychopathology** 1984;17 Suppl 1:6–14 (40 ref.)

Bromazepam and diazepam in generalized anxiety: a placebo–controlled study of efficacy and withdrawal. Fontaine R, et al. **Psychopharmacol Bull** 1984 Winter; 20(1):126–7

Effects of THIP on chronic anxiety. Hoehn–Saric R. **Psychopharmacology (Berlin)** 1983;80(4):338–41

[Plea for monoamine oxidase inhibitors. Retrospective study of 350 cases] Aimard G, et al. **Presse Med** 1984 Apr 14; 13(16):979–82 (Eng. Abstr.) **(Fre)**

[Double–blind controlled trial comparing alprazolam and lorazepam in ambulatory anxious patients] Hecquet S, et al. **Therapie** 1984 May–Jun;39(3):253–61 (Eng. Abstr.) **(Fre)**

[Multicenter study with a combination preparation of amitriptyline and perphenazine. Study of 48 established practicing neurologists] Berzewski H, et al. **MMW** 1983 Sep 2;125(35):745–8 (Eng. Abstr.) **(Ger)**

[Anxiety and anger: psychobiologic studies on the question of the specific anxiolytic effect of tranquilizers] Schmit U, et al. **Nervenarzt** 1984 Mar;55(3):143–9 **(Ger)**

[The improvement of accuracy with a military rifle under the effect of propranolol (Inderal)] Grinschgl G. **Wien Med Wochenschr** 1983 Jul 31;133(13–14):339–43 (Eng. Abstr.) **(Ger)**

[Betamed in the treatment of psychogenic disorders with a somatic component] Jellinger K. **Wien Med Wochenschr** 1983 Sep 30;133(18):463–7 (Eng. Abstr.) **(Ger)**

[Use of maprotiline in primary and secondary anxio–depressive syndromes in the aged] Volpi F. **Clin Ter** 1983 Jul 31;106(2):95–101 (Eng. Abstr.) **(Ita)**

[Anxiolytic drugs] Kostowski W, et al. **Wiad Lek** 1984 Feb 15;37(4):309–11 **(Pol)**

[Possibility of correcting brain bioenergetics in neuroses using nicotinic acid derivatives] Kresiun VI. **Biull Eksp Biol Med** 1984 Apr;97(4):396–9 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Serum dopamine–beta–hydroxylase activity in depression and anxiety. Friedman MJ, et al. **Biol Psychiatry** 1984 Apr; 19(4):557–70

[Clinical analysis of anxiety and determination of cholinesterase] Huang MS. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1983 Aug; 16(4):239–41 (Eng. Abstr.) **(Chi)**

ETIOLOGY

Alcoholism, anxiety disorders, and agoraphobia. Bowen RC, et al. **Alcoholism (NY)** 1984 Jan–Feb;8(1):48–50

Response to hyperventilation in a group of patients with panic disorder. Gorman JM, et al. **Am J Psychiatry** 1984 Jul;141(7):857–61

Independence of mitral valve prolapse and neurosis. Hickey AJ, et al. **Br Heart J** 1983 Oct;50(4):333–6

Agoraphobia, panic disorder and generalized anxiety disorder: some implications of recent advances. Roth M. **Psychiatr Dev** 1984 Spring;2(1):31–52 (45 ref.)

Psychiatric illness and the general physician in a developing country [letter] Sreeharan N. **Trop Doct** 1984 Apr;14(2):55

[Anxiety pattern in patients with alopecia areata, rosacea and lichen planus] Puchalski Z. **Przegl Dermatol** 1983 Sep–Dec; 70(5–6):521–6 (Eng. Abstr.) **(Pol)**

FAMILIAL & GENETIC

A family study of panic disorder. Crowe RR, et al. **Arch Gen Psychiatry** 1983 Oct;40(10):1065–9

Methodologic differences in major depression and panic disorder studies [letter] Leckman JF, et al. **Arch Gen Psychiatry** 1984 Jul;41(7):722–3

Genetic factors in anxiety disorders. Torgersen S. **Arch Gen Psychiatry** 1983 Oct;40(10):1085–9

Depression and anxiety disorders in parents and children. Results from the Yale family study. Weissman MM, et al. **Arch Gen Psychiatry** 1984 Sep;41(9):845–52

[A car accident. Parallel development of posttraumatic psychiatric pathology in a mother and child] Bergès JL. **Sem Hop Paris** 1983 Dec 15;59(47):3279–83 (Eng. Abstr.) **(Fre)**

OCCURRENCE

Pattern of anxiety in a cross–cultural hospital population. Ndetei DM, et al. **Acta Psychiatr Scand** 1984 Jul; 70(1):69–72

Stability of prevalence. Depression and anxiety disorders. Murphy JM, et al. **Arch Gen Psychiatry** 1984 Oct; 41(10):990–7

The prevalence and correlates of anxiety symptoms in older adults. Himmelfarb S, et al. **J Psychol** 1984 Mar;116(2d Half):159–67

Longitudinal records of anxiety and depression in general practice: the Second National Morbidity Survey. Dunn G. **Psychol Med** 1983 Nov;13(4):897–906

[Epidemiologic studies on anxiety] Quemada N. **Encephale** 1983;9(4 Suppl 2):3B–7B (Eng. Abstr.) **(Fre)**

[Young men's psychiatric problems] Albretsen CS, et al. **Tidsskr Nor Laegeforen** 1984 Aug 30;104(24):1659–60 **(Nor)**

[Sociocultural factors and the presence of psychopathologies in populations of various localities in Argentina] Aszkenazi M, et al. **Acta Psiquiatr Psicol Am Lat** 1984 Mar;30(1):11–20 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Catecholamines and anxiety. Mathew RJ, et al. **Acta Psychiatr Scand** 1982 Feb;65(2):142–7

From metapsychology to molecular biology: explorations into the nature of anxiety. Kandel ER. **Am J Psychiatry** 1983 Oct;140(10):1277–93

Effects of naloxone on patients with panic attacks. Liebowitz MR, et al. **Am J Psychiatry** 1984 Aug;141(8):995–7

Noradrenergic function in panic anxiety. Effects of yohimbine in healthy subjects and patients with agoraphobia and panic disorder. Charney DS, et al. **Arch Gen Psychiatry** 1984 Aug;41(8):751–63

A benzodiazepine receptor–mediated model of anxiety. Studies in nonhuman primates and clinical implications. Insel TR, et al. **Arch Gen Psychiatry** 1984 Aug;41(8):741–50

Adrenergic function in patients with panic anxiety. Nesse RM, et al. **Arch Gen Psychiatry** 1984 Aug;41(8):771–6

Chronic depressions. Part 2. Sleep EEG differentiation of primary dysthymic disorders from anxious depressions. Akiskal HS, et al. **J Affective Disord** 1984 Jun;6(3–4):287–95

Panic anxiety: a new biological model. Carr DB, et al. **J Clin Psychiatry** 1984 Aug;45(8):323–30 (86 ref.)

Behavior and anxiety: physiologic mechanisms. Lader M. **J Clin Psychiatry** 1983 Nov;44(11 Pt 2):5–11

Panic disorder manifestations [letter] Petrone CT, et al. **J Clin Psychopharmacol** 1983 Oct;3(5):333

A focal brain abnormality in panic disorder, a severe form of anxiety. Reiman EM, et al. **Nature** 1984 Aug 23–29; 310(5979):683–5

Physiological basis of anxiety. Symposium of the World Psychiatric Association Section Clinical Psychopathology. Vienna, July 11, 1983. **Psychopathology** 1984;17 Suppl 1:5–106

Role of gamma–aminobutyric acid in anxiety. Enna SJ. **Psychopathology** 1984;17 Suppl 1:15–24 (51 ref.)

Psychophysiological factors in panic disorder. Freedman RR, et al. **Psychopathology** 1984;17 Suppl 1:66–73

Avenues of investigation for the role of catecholamines in anxiety. Kopin IJ. **Psychopathology** 1984;17 Suppl 1:83–97 (89 ref.)

A comparison of lactate and isoproterenol anxiety states. Rainey JM Jr, et al. **Psychopathology** 1984;17 Suppl 1:74–82

[Emotional stress and blood circulation] Fedorov VM, et al. **Vestn Akad Med Nauk SSSR** 1984;(4):38–45 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

Anxiety in schizophrenic psychoses. Strian F, et al. **Arch Psychiatr Nervenkr** 1983;233(5):347–57

Anxiety–spectrum disturbances. Bittker TE. **Ariz Med** 1983 Aug;40(8):554–8 (16 ref.)

Ideational components of anxiety: their origin and content. Hibbert GA. **Br J Psychiatry** 1984 Jun;144:618–24

The relationship between health–related stressful life events and anxiety: an analysis of a Florida metropolitan community. Dzegede SA, et al. **Community Ment Health J** 1981 Winter;17(4):294–305

Anxiety disorder: neurotic behavior in research subjects. Clancy J, et al. **Compr Psychiatry** 1983 Nov–Dec; 24(6):508–13

Social anxiety and substance abuse in affective disorders. Pilkonis PA, et al. **Compr Psychiatry** 1981 Sep–Oct; 22(5):451–7

Anxiety provoking situations in Indian families. Rao VN, et al. **Int J Soc Psychiatry** 1984 Autumn;30(3):218–21

Cognitive components of social anxiety. Hartman LM. **J Clin Psychol** 1984 Jan;40(1):137–9

Anxiety in an alcoholic population: a normative study. Ludenia K, et al. **J Clin Psychol** 1984 Jan;40(1):356–8

Stress, personal coping resources, and psychiatric symptoms: an investigation of interactive models. Wheaton B. **J Health Soc Behav** 1983 Sep;24(3):208–29

Anxiety as a factor in the incidence of combat cold injury: a review. Sampson JB. **Milit Med** 1984 Feb;149(2):89–91 (18 ref.)

Panic attacks and generalized anxiety states. Saucier RP. **Nurse Pract** 1984 Aug;9(8):35–7

Inner space: its constriction in anxiety states and narcissistic personality. Meares R. **Psychiatry** 1984 May;47(2):162–71

Reflections on Sullivan and the language of psychiatry. Rioch DM. **Psychiatry** 1984 Feb;47(1):59–65

Psychiatric disorder in a rural and an urban population: 3. Social integration and the morphology of affective disorder. Prudo R, et al. **Psychol Med** 1984 May; 14(2):327–45

Anxiety and depression in affective disorders. Strian F, et al. **Psychopathology** 1984;17(1):37–48

Drowsiness sedation levels in anxious neurotic outpatients. Fabre LF, et al. **Psychopharmacol Bull** 1984 Winter; 20(1):128–36

[The Checklist for Evaluation of Somatic Symptoms (CHESS). Its use in anxious and depressive pathology. Factor structure] Guelfi JD, et al. **Ann Med Psychol (Paris)** 1983 Mar;141(3):257–77 (Eng. Abstr.) **(Fre)**

[Psychodynamic understanding of anxiety] Badiche A, et al. **Encephale** 1983;9(4 Suppl 2):17B–21B (Eng. Abstr.) **(Fre)**

[What happens in spontaneous remissions? An exploratory study of 4 depressed and anxiety neurosis patients] Schweitzer J. **Nervenarzt** 1984 May;55(5):249–56 **(Ger)**

[Anxiety as experienced threat. Reference to Jakob Boehme's anxiety theory] von Baeyer W. **Nervenarzt** 1984 Jul; 55(7):349–57 **(Ger)**

[The wolf phobia in the fairy tale of the wolf and the 7 little lambs. Development and meaning of a type of anxiety neurotic–phobic state] Plassmann R. **Psyche (Stuttg)** 1983 Sep;37(9):841–6 (Eng. Abstr.) **(Ger)**

THERAPY

Hypnotherapy over the telephone. Cooperman S, et al. **Am J Clin Hypn** 1983 Apr;25(4):277–9

The use of relaxation/densensitization in treating anxiety associated with flying. Aitken JR, et al. **Aviat Space Environ Med** 1984 Mar;55(3):196–9

The importance of home practice for progressive relaxation training. Hillenberg JB, et al. **Behav Res Ther** 1983; 21(6):633–42

Objective vs subjective assessment of relaxation compliance among anxious individuals. Hoelscher TJ, et al. **Behav Res Ther** 1984;22(2):187–93

Progressive relaxation and meditation. A study of psychophysiological and therapeutic differences between two techniques. Lehrer PM, et al. **Behav Res Ther** 1983; 21(6):651–62

A preliminary investigation of cognitive and relaxation treatment of panic disorder: effects on intense anxiety vs 'background' anxiety. Waddell MT, et al. **Behav Res Ther** 1984;22(4):393–402

The effect of stressful life events on EMG biofeedback and relaxation training in the treatment of anxiety. Weinman ML, et al. **Biofeedback Self Regul** 1983 Jun;8(2):191–205

Maximizing scarce resources: autogenic relaxation classes at a health centre. Medlik L, et al. **Br J Med Psychol** 1984 Jun;57 (Pt 2):181–5

Minor tranquilizers, personality inventory, and EMG feedback with chronic anxious patients. Lamontagne Y, et al. **Compr Psychiatry** 1983 Nov–Dec;24(6):543–5

Anxiety disorders: prevalence and treatment. Uhlenhuth EH, et al. **Curr Med Res Opin** 1984;8 Suppl 4:37–47

Transcultural anxieties and social therapies. Masserman JH. **Curr Psychiatr Ther** 1983;22:257–65

State–of–the–art conference reviews new developments in characterizing, treating anxiety. Runck B. **Hosp Community Psychiatry** 1984 Jan;35(1):9–10

A comparison of two relaxation procedures for reducing cognitive and somatic anxiety. Norton GR, et al. **J Behav Ther Exp Psychiatry** 1983 Sep;14(3):209–14 (18 ref.)

Some current treatment options for symptoms of anxiety. Shader RI, et al. **J Clin Psychiatry** 1983 Nov;44(11 Pt 2):21–30 (137 ref.)

Semantic desensitization: a paradigmatic intervention approach to anxiety disorders. Hekmat H, et al. **J Clin Psychol** 1984 Mar;40(2):463–6

In vivo distraction–coping in the treatment of test anxiety: a 1–year follow–up study. Himle DP, et al. **J Clin Psychol** 1984 Mar;40(2):458–62

Negative factors in brief psychotherapy: an empirical assessment. Sachs JS. **J Consult Clin Psychol** 1983 Aug; 51(4):557–64

Skills not pills: learning to cope with anxiety symptoms. Skinner PT. **J R Coll Gen Pract** 1984 May;34(262):258–60

Anxiety treatment. A commonsense approach. Schuckit MA. **Postgrad Med** 1984 Feb 1;75(2):52–63

Effects of progressive muscle relaxation training on trait anxiety. Kibler VE, et al. **Psychol Rep** 1983 Aug; 53(1):128–30

Comparison of two cognitive strategies in treatment of a patient with generalized anxiety disorder. Last CG, et al. **Psychol Rep** 1983 Aug;53(1):19–26

Anxiety and depression, and the general doctor. Acuda W, et al. **Trop Doct** 1984 Apr;14(2):51–5

[Clinical anxiety and anguish and therapeutic generalizations] Guelfi JD. **Actual Odontostomatol (Paris)** 1983 Dec; 144:649–64 **(Fre)**

[Agoraphobia and panic attacks. Biological and behavioral approaches] Cottraux J. **Encephale** 1984;10(1):13–9 (33 ref.) (Eng. Abstr.) **(Fre)**

[Management and treatment of anxious and handicapped children] Gentz A. **SSO Schweiz Monatsschr Zahnheilkd** 1983 Sep;93 Spec No:861–5 **(Ger)**

[Hypnosis for acute emotional reactions in Sjögren's syndrome] Elitzur B, et al. **Harefuah** 1983 Mar 15; 104(6):230–1 (Eng. Abstr.) **(Heb)**

[Hypnotic suggestion in anesthesia. A clinical case] Tubere G. **Minerva Med** 1983 Sep 29;74(37):2157–8 (Eng. Abstr.) **(Ita)**

URINE

Urinary free cortisol levels in anxiety. Rosenbaum AH, et

al. Psychosomatics 1983 Sep;24(9):835–7

ANXIETY NEUROSES see ANXIETY DISORDERS

ANXIETY, SEPARATION

The emotional separation syndrome among recent Oklahoma migrants: description, explanation, and clinical implications. Stein HF. J Okla State Med Assoc 1984 May;77(5):152–7
The use of attachment theory in a clinical situation: secure attachment, anxious attachment. Dizon MA. J Psychosoc Nurs Ment Health Serv 1984 Mar;22(3):27–30
[Separation reactions] Huygen FJ. Ned Tijdschr Geneeskd 1983 Sep 17;127(38):1705–7 (Dut)
[Nostalgia] Campailla G. Minerva Psichiatr 1984 Jan–Mar; 25(1):19–22 (Eng. Abstr.) (Ita)

CEREBROSPINAL FLUID

Cerebrospinal fluid measures of neurotransmitter changes associated with pharmacological alteration of the despair response to social separation in rhesus monkeys. Kraemer GW, et al. Psychiatry Res 1984 Apr;11(4):303–15

DIAGNOSIS

Abnormal dexamethasone suppression test results in depressed and nondepressed children. Livingston R, et al. Am J Psychiatry 1984 Jan;141(1):106–8
A somaticizing adolescent: an approach to evaluation and therapy. Pincus SH, et al. J Adolesc Health Care 1983 Sep; 4(3):174–7
Relationship between separation anxiety and panic and agoraphobic disorders. Gittelman R, et al. Psychopathology 1984;17 Suppl 1:56–65 (18 ref.)

PSYCHOLOGY

A note on loss, pain, and masochism in children. Glenn J. J Am Psychoanal Assoc 1984;32(1):63–73
Research note: young children's resolution of distress through play. Barnett LA. J Child Psychol Psychiatry 1984 Jul; 25(3):477–83
[Pseudo-initiation in adolescence: the janissary syndrome] Gibello B. Neuropsychiatr Enfance Adolesc 1983 Aug–Sep; 31(8–9):400–2 (Fre)
[Disease of orphans] Karkowski MK. Wiad Lek 1984 Jan 15;37(2):136–9 (Eng. Abstr.) (Pol)

ANXIETY STATES, NEUROTIC see ANXIETY DISORDERS

ANXIOLYTIC AGENTS see TRANQUILIZING AGENTS, MINOR

AORTA

Aortic cannulation techniques [letter] Murphy DA. Ann Thorac Surg 1984 Jun;37(6):519–21
A technique for immediate manual external aortic counterpulsation during cardiac surgery. Skinner JR, et al. Ann Thorac Surg 1984 Sep;38(3):296–7
Properties of cultured endothelium from adult human vessels. Fry G, et al. Arteriosclerosis 1984 Jan–Feb;4(1):4–13
Differential effects of hydrogen peroxide on indices of endothelial cell function. Ager A, et al. J Exp Med 1984 Feb 1;159(2):592–603
Effect of the positioning of a balloon valve in the aorta on coronary flow during aortic regurgitation. Antonatos PG, et al. J Thorac Cardiovasc Surg 1984 Jul;88(1):128–33
Catheterization of the aortic arch and the ascending aorta [letter] Sanchez GR. Pediatr Cardiol 1984 Jan–Mar; 5(1):75–6
Effect of environmental hypothermia on dorsal aortic blood flow in the chick embryo, stages 18 to 24. Wispé J, et al. Pediatr Res 1983 Dec;17(12):945–8
[Primary malignant fibrous histiocytoma of the aorta (letter)] Hermanek PJ Jr, et al. Dtsch Med Wochenschr 1983 Oct 21;108(42):1616–7 (Ger)

ABNORMALITIES

High takeoff of the left main coronary artery from the pulmonary trunk: potentially fatal combination with pulmonary trunk banding. Steussy HF, et al. Am Heart J 1984 Sep;108(3 Pt 1):619–21
Two-dimensional echocardiographic identification of aortico-left ventricular tunnel. Perry JC, et al. Am J Cardiol 1983 Oct 1;52(7):913–4
Hypoplastic pulmonary arteries and aorta with obstructive uropathy in 2 siblings. Kashani IA, et al. Angiology 1984 Apr;35(4):252–6
Aortic atresia with double inlet left ventricle, rudimentary left sided right ventricle, and ventriculoarterial discordance. Bullaboy CA, et al. Br Heart J 1984 Sep; 52(3):349–51
Anomalous right coronary artery arising from left mainstem. Husaini SN, et al. Cathet Cardiovasc Diagn 1983;9(4):407–9
Two-dimensional echocardiographic assessment of the aorta in infants and children with congenital heart disease. Huhta JC, et al. Circulation 1984 Sep;70(3):417–24
Distal aorticopulmonary septal defect. Kartha CC, et al. Indian Heart J 1983 May–Jun;35(3):178–80
Transposition of the great arteries with posterior aorta and subaortic conus: anatomical and surgical correlation. Büchler JR, et al. Int J Cardiol 1984 Jan;5(1):13–8
Pre-aortic left renal vein compression syndrome (Magoss and Walshe syndrome). Hu KN, et al. Int Urol Nephrol 1984; 16(2):101–7
Two-dimensional echocardiographic diagnosis of anomalous origin of the right pulmonary artery from the aorta: differentiation from aortopulmonary window. King DH, et al. J Am Coll Cardiol 1984 Aug;4(2):351–5
Acute takeoffs of the coronary arteries along the aortic wall and congenital coronary ostial valve-like ridges: association with sudden death. Virmani R, et al. J Am Coll Cardiol 1984 Mar;3(3):766–71
The surgical anatomy of hypoplasia of aortic tract complex. Bharati S, et al. J Thorac Cardiovasc Surg 1984 Jul; 88(1):97–101
Misdiagnosis of aortic atresia due to catheter malposition. Aryanpur-Kashani I, et al. Jpn Heart J 1983 Jul; 24(4):665–8
Double outlet left ventricle. A new type of presentation. Büchler JR, et al. Jpn Heart J 1983 Jul;24(4):657–63
Aortic anomalies in an adolescent with the Williams' elfin facies syndrome. Williams RL, et al. Pediatr Radiol 1984; 14(2):122–4
Huge arteriovenous malformation in the mediastinum. Clinical presentation and surgical management. Lunde P, et al. Scand J Thorac Cardiovasc Surg 1984;18(1):75–80
Interrupted aortic arch—anatomical features of surgical significance. Ho SY, et al. Thorac Cardiovasc Surg 1983 Aug;31(4):199–205
[Anomalous aortic origin of the left coronary artery. Apropos of sudden death in an adolescent] Betend B, et al. Arch Fr Pediatr 1983 Jun–Jul;40(6):479–81 (Eng. Abstr.) (Fre)
[Aorto-septal angulation: a new cause of disorder in left ventricular ejection? (a 2-dimensional echocardiographic study apropos of 66 cases)] Ennouri R, et al. Arch Mal Coeur 1984 Jun;77(6):673–81 (Eng. Abstr.) (Fre)
[Usefulness of measurement of the capillary blood PO2 in diagnosis of interruption or coarctation of the aorta] Nakagawa M, et al. Kokyu To Junkan 1984 May; 32(5):499–502 (Eng. Abstr.) (Jpn)
[Aorto-pulmonary septal defect associated with congenital esophageal atresia] Fujiwara K, et al. Kyobu Geka 1983 Dec;36(12):987–91 (Eng. Abstr.) (Jpn)
[Surgical management of congenital vascular rings associated with VSD and pulmonary hypertension] Hamada Y, et al. Nippon Kyobu Geka Gakkai Zasshi 1984 Jan;32(1):50–6 (Eng. Abstr.) (Jpn)
[Successful correction of double outlet right ventricle with L-malposition of the aorta (SDL & SLL): report of 2 cases] Kado H, et al. Nippon Kyobu Geka Gakkai Zasshi 1984 Feb;32(2):225–35 (Eng. Abstr.) (Jpn)
[Surgical treatment of hypoplastic left heart syndrome] Yamaki S, et al. Rinsho Kyobu Geka 1983 Sep;3(5):611–5 (Eng. Abstr.) (Jpn)
[Early detection and observation of the evolution of congenital malformations of the aorta in newborn infants, infants and young children] Swiderski J, et al. Probl Med Wieku Rozwoj 1979;9:133–43 (Eng. Abstr.) (Pol)
[Angiocardiography in the diagnosis of congenital bulboventricular heart defects. Anatomopathological and angiocardiographic correlations] Wermeński K. Probl Med Wieku Rozwoj 1979;9:289–302 (Eng. Abstr.) (Pol)
[Enlargement of the aortic root with a bovine pericardial patch preserved in glutaraldehyde] Braile DM, et al. Arq Bras Cardiol 1983 Oct;41(4):289–96 (Eng. Abstr.) (Por)
[Origin of the aorta and pulmonary artery from the right ventricle in combination with the absence of pulmonary valve cusps] Ivanitskiĭ AV, et al. Grudn Khir 1984 Mar–Apr;(2):73–5 (Rus)
[Angiocardiographic diagnosis of defects of the aortopulmonary septum] Ivanitskiĭ AV, et al. Grudn Khir 1983 Sep–Oct;(5):45–51 (Eng. Abstr.) (Rus)
[Case of successful correction of tetralogy of Fallot with abnormal branching-out of the left the pulmonary artery from the ascending aorta] Zinkovskiĭ MF, et al. Grudn Khir 1984 May–Jun;(3):75–7 (Rus)

ANALYSIS

Lipid composition of rabbit aortic wall following removal of endothelium by balloon catheter. Alavi M, et al. Arteriosclerosis 1983 Sep–Oct;3(5):413–9
Partial structure of the active moiety of a lipoprotein complexing proteoglycan from human aorta. Camejo G, et al. Atherosclerosis 1983 Dec;49(3):241–54
Characterization of basement membrane collagens of bovine aortae. Leushner JR, et al. Atherosclerosis 1984 Jan; 50(1):11–27
Variability of the electrophoretic mobility of low density lipoprotein. Comparison of interstitial fluid from human aortic intima and serum. Smith EB, et al. Atherosclerosis 1983 Oct;49(1):89–98
The effects of vasectomy and exercise on cholesterol levels in rat aortas. Westerfield RC. Atherosclerosis 1983 Dec; 49(3):319–24
Isolation of tropoelastin a from lathyritic chick aortae. Rich CB, et al. Biochem J 1984 Jan 15;217(2):581–4
Anticoagulantly active heparin-like molecules from vascular tissue. Marcum JA, et al. Biochemistry 1984 Apr 10; 23(8):1730–7
Uneven distribution of sialic acids on the luminal surface of aortic endothelium. Görög P, et al. Br J Exp Pathol 1983 Aug;64(4):418–24
The pattern of elastin in the aorta and large arteries of mammals. Roach MR. Ciba Found Symp 1983;100:37–55
Elastin fiber-associated glycosaminoglycans in beta-aminopropionitrile-induced lathyrism. Pasquali-Ronchetti I, et al. Exp Mol Pathol 1984 Apr; 40(2):235–45
Localization of proteoheparan sulfate in rat aorta. Clowes AW, et al. Histochemistry 1984;80(4):379–84
Collagen types in normal and atherosclerotic human aorta. Dahiya R, et al. Indian Heart J 1983 Nov–Dec;35(6):326–8
Isolation and characterization of a 115,000-dalton matrix-associated glycoprotein from chick aorta. Bressan GM, et al. J Biol Chem 1983 Nov 10;258(21):13262–7
The electron microscopic immunohistochemistry of elastase-treated aorta and nuchal ligament of fetal and postnatal sheep. Fukuda Y, et al. J Histochem Cytochem 1984 Jul;32(7):747–56
Aminomalonic acid: identification in Escherichia coli and atherosclerotic plaque. Van Buskirk JJ, et al. Proc Natl Acad Sci USA 1984 Feb;81(3):722–5
[A preliminary cytochemical study on lipid distribution in atherosclerotic lesions in human aorta] Deng BS. Chung Hua Hsin Hsueh Kuan Ping Tsa Chih 1983 Dec; 11(4):301–4 (Eng. Abstr.) (Chi)
[Characterization of smooth muscle organs by determination of cellular myosin content] Pilgrim H, et al. Acta Histochem (Jena) 1983;73(2):145–50 (Eng. Abstr.) (Ger)
[Immunomorphological study of the localization of types I, III, IV and V collagen in a primary culture of human aortic cells] Andreeva ER, et al. Biull Eksp Biol Med 1983 Oct; 96(10):110–1 (Eng. Abstr.) (Rus)
[Spatial organization of low density lipoproteins of the human aorta (study using fluorescent probes)] Dobretsov GE, et al. Biull Eksp Biol Med 1983 Oct;96(10):45–7 (Eng. Abstr.) (Rus)
[Content of lipids in cells, isolated from normal and atherosclerotically-altered portions of the human aorta] Tertov VV, et al. Vopr Med Khim 1983 Sep–Oct;29(5):83–6 (Eng. Abstr.) (Rus)

ANATOMY & HISTOLOGY

The circumferential length of the internal elastic membrane measured by computer digitizer morphometry, and its relation to in vivo aorta diameter. Svendsen E, et al. Acta Anat (Basel) 1983;117(2):145–51
Multiplane magnetic resonance imaging of the heart and major vessels: studies in normal volunteers. Higgins CB, et al. AJR 1984 Apr;142(4):661–7
Two-dimensional echocardiographic determination of aortic and pulmonary artery sizes from infancy to adulthood in normal subjects. Snider AR, et al. Am J Cardiol 1984 Jan 1;53(1):218–24
Anatomy of the aortic root. Sud A, et al. Ann Thorac Surg 1984 Jul;38(1):76–9
Anatomical observations in cadavers during application of a partial exclusion clamp to the ascending aorta. Stefaniszyn HJ, et al. Curr Surg 1984 May–Jun;41(3):184–7
Comparison of steady and pulsatile flow near the ventral and dorsal walls of casts of human aortic bifurcations. Deters OJ, et al. J Biomech Eng 1984 Feb;106(1):79–82
Echocardiographic study of premature infants [letter] Levine OR. Pediatrics 1984 Jun;73(6):883
[Age and sex dependence of the diameter of the lumen of the ascending, thoracic and abdominal aorta] Jäger E, et al. Anat Anz 1984;155(1-5):143–6 (Eng. Abstr.) (Ger)

CYTOLOGY

Cellular composition of atherosclerotic and uninvolved human aortic subendothelial intima. Light-microscopic study of dissociated aortic cells. Orekhov AN, et al. Am J Pathol 1984 Apr;115(1):17–24
Angiotensin-converting enzyme in cultured endothelial cells. Synthesis, degradation, and transfer to culture medium. Ching SF, et al. Arteriosclerosis 1983 Nov–Dec;3(6):581–8
Inhibition of LDL degradation in cultured human fibroblasts induced by endothelial cell-conditioned medium. Cornicelli JA, et al. Arteriosclerosis 1983 Nov–Dec;3(6):560–7
The adhesion of different cell types to cultured vascular endothelium: effects of culture density and age. de Bono DP, et al. Br J Exp Pathol 1984 Feb;65(1):145–54
Platelet reactivity in vivo in dogs with arterial prostheses seeded with endothelial cells. Clagett GP, et al. Circulation 1984 Mar;69(3):632–9
Population dynamics of arterial cells. XIV. Evidence for no significant G2 arrest of intimal and medial cells in young nonatherosclerotic swine. Scott RF, et al. Exp Mol Pathol 1984 Feb;40(1):135–47
Immunologic function of endothelial cells: guinea pig aortic endothelial cells support mitogen-induced T lymphocyte activation, but do not function as antigen-presenting cells. Roska AK, et al. J Immunol 1984 Jan;132(1):136–45
Proliferation of arterial smooth muscle cells incubated in serum from brain-stimulated rats. Gutstein WH, et al. Life Sci 1984 Jun 25;34(26):2627–31
[In vitro cultivation of aortic endothelial cells in

pharmaceutical research--characterization of cell physiology and possibilities of using the cell line BKEz-7] Halle W, et al. **Pharmazie** 1984 Feb;39(2):77-81 (103 ref.) **(Ger)**

[Formation of elastic fibers in cultures and transplants of aortic myocytes and elastic cartilage chondrocytes] Hinek A. **Ann Acad Med Stetin** 1983;29:215-45 (67 ref.) (Eng. Abstr.) **(Pol)**

[Long-term culture of the rat medial aorta with preservation of the characteristic properties of differentiated smooth muscle vascular cells] Il'inskii OB, et al. **Biull Eksp Biol Med** 1984 Feb;97(2):183-5 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

D-penicillamine-induced angiopathy in rats. The effect of high dose D-penicillamine treatment on aortic permeability to albumin and on the ultrastructure of the vessel. Jensen BA, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1983 Nov;91(6):403-11

Effect of hematin on endothelial cells and endothelial cell-platelet interactions. Neely SM, et al. **Am J Pathol** 1984 Jun;115(3):390-6

Mechanism of action of barium ion on rat aortic smooth muscle. Hansen TR, et al. **Am J Physiol** 1984 Mar;246(3 Pt 1):C235-41

Dietary manipulation of cardiac and aortic smooth muscle reactivity to isoproterenol. Herlihy JT. **Am J Physiol** 1984 Mar;246(3 Pt 2):H369-73

Angiotensin tachyphylaxis in the isolated rabbit aorta. Oshiro ME, et al. **Blood Vessels** 1984;21(2):72-9

Effects of cytochrome P-450 inhibitors on endothelium-dependent relaxation in rabbit aorta. Singer HA, et al. **Blood Vessels** 1984;21(5):223-30

Effects of yohimbine, rauwolscine and corynanthine on contractions and calcium fluxes induced by depolarization and prostaglandin F2 alpha in rat aorta. Godfraind T, et al. **Br J Pharmacol** 1983 Sep;80(1):115-21

Scanning electron microscopic (SEM) studies on the effect of x-ray contrast media on aortic endothelium in the rat. Gospos C, et al. **Invest Radiol** 1983 Jul-Aug;18(4):382-6

Oxygen toxicity in cultured aortic endothelium: selenium-induced partial protective effect. Housset B, et al. **J Appl Physiol** 1983 Aug;55(2):343-52

Differential effects of the calcium entry blocker D 600 on contractions of rat and guinea-pig aortas, elicited by various alpha-1 adrenoceptor agonists. Beckeringh JJ, et al. **J Pharmacol Exp Ther** 1984 May;229(2):515-21

Drug stimulated prostacyclin release. Weithmann KU. **Ric Clin Lab** 1981;11 Suppl 1:209-14

Increased plasma and aortic triglycerides in rabbits after acute administration of 2,3,7,8-tetrachlorodibenzo-p-dioxin. Lovati MR, et al. **Toxicol Appl Pharmacol** 1984 Aug; 75(1):91-7

[Effect of leukotriene C4 and D4 on rabbit aorta and pulmonary artery strips] Kitamura S, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Mar;21(3):240-6 (Eng. Abstr.) **(Jpn)**

[Evaluation of the effects of plafibride and lysine acetyl salicylate on the production of PGI2] Lasierra J, et al. **Sangre (Barc)** 1983;28(6):687-95 (Eng. Abstr.) **(Spa)**

EMBRYOLOGY

[Studies on fetal heart and aorta by ultrasonic electroscanner and time-motion mode] Asai T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Apr; 36(4):487-96 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

Stereoselectivity of ectonucleotidases on vascular endothelial cells. Cusack NJ, et al. **Biochem J** 1983 Sep 15; 214(3):975-81

Effects of long-term blockade of angiotensin converting enzyme with captopril on blood pressure and aortic prolyl hydroxylase activity in spontaneously hypertensive rats. Oshima T, et al. **Eur J Pharmacol** 1983 Jul 22;91(2-3):283-6

Glutathione peroxidase blockage inhibits prostaglandin biosynthesis in rat platelets and aorta. Doni MG, et al. **Haemostasis** 1983;13(4):240-3

High glutathione peroxidase and prostacyclin-like activity generation in rat aorta. Doni MG, et al. **Haemostasis** 1983; 13(4):248-53

Aortic enzyme alterations in experimentally induced atherosclerosis in rhesus monkeys. Kukreja RS, et al. **Indian J Med Res** 1984 Feb;79:260-7

Effect of phospholipids on membrane-bound and solubilized mannosyltransferase activity from aortic wall. Serres-Guillaumond M, et al. **Int J Biochem** 1983; 15(11):1313-20

Arterial renin--partial characterization and its possible role in the pathogenesis of hypertension. Mizuno K, et al. **Jpn Circ J** 1983 Oct;47(10):1203-9

Partial characterization of angiotensin I-converting enzyme of the aorta in rats. Mizuno K, et al. **Jpn Heart J** 1984 May;25(3):387-96

Low prostacyclin synthetase activity of fetal rat aorta. Progressive increase after birth. Deckmyn H, et al. **Life Sci** 1983 Oct 10;33(15):1491-7

Influence of hypocholesterolemic drugs on aortic cholesterol esterase in rabbits. Kritchevsky D, et al. **Pharmacol Res Commun** 1984 Jun;16(6):525-31

Sensitivity of rabbit platelet and aortic cyclooxygenase to inhibition by aspirin. McDonald JW, et al. **Prostaglandins Leukotrienes Med** 1983 Nov;12(3):235-44

Elastase-like enzyme in the aorta of spontaneously hypertensive rats. Yamada E, et al. **Virchows Arch [Cell Pathol]** 1983;44(2):241-5

[A study on arterial renin-angiotensin system. Part I. Partial purification and subcellular localization of renin in rat aorta] Mizuno K, et al. **Nippon Jinzo Gakkai Shi** 1984 Feb; 26(2):243-9 (Eng. Abstr.) **(Jpn)**

[Isolation of triglyceridase from the aorta] Iusupova GI. **Vopr Med Khim** 1983 Sep-Oct;29(5):93-6 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Development of elastic fibers of nuchal ligament, aorta, and lung of fetal and postnatal sheep: an ultrastructural and electron microscopic immunohistochemical study. Fukuda Y, et al. **Am J Anat** 1984 Aug;170(4):597-629

Growth of the aorta after prosthetic patch aortoplasty for coarctation in infants. Sade RM, et al. **Ann Thorac Surg** 1984 Jul;38(1):21-5

IMMUNOLOGY

[Experimental injury of the aorta of rabbits of various ages by immune complexes] Zalchenko AP, et al. **Fiziol Zh** 1983 Jul-Aug;29(4):405-10 (Eng. Abstr.) **(Rus)**

INJURIES

Acute and chronic complications of laser angioplasty: vascular wall damage and formation of aneurysms in the atherosclerotic rabbit. Lee G, et al. **Am J Cardiol** 1984 Jan 15;53(2):290-3

Arterial complications of attempted Swan-Ganz insertion. Silver GM, et al. **Am J Cardiol** 1984 Jan 15;53(2):340-1

Lipoprotein and albumin accumulation in reendothelialized and deendothelialized aorta. Falcone DJ, et al. **Am J Pathol** 1984 Jan;114(1):112-20

Effect of endothelium on glycosaminoglycan accumulation in injured rabbit aorta. Wight TN, et al. **Am J Pathol** 1983 Nov;113(2):156-64

Aortic injury: comparison of supine and upright portable chest films to evaluate the widened mediastinum. Schwab CW, et al. **Ann Emerg Med** 1984 Oct;13(10):896-9

Vessel injury, platelet adherence, and platelet survival. Kinlough-Rathbone RL, et al. **Arteriosclerosis** 1983 Nov-Dec;3(6):529-46 (243 ref.)

Endothelial healing in the rabbit aorta and the effect of risk factors for atherosclerosis. Hypercholesterolemia. Walker LN, et al. **Arteriosclerosis** 1984 Sep-Oct;4(5):479-88

Laceration of a mitral papillary muscle and the aortic root as a result of blunt trauma to the chest. Case report and review of the literature. Cuadros CL, et al. **J Thorac Cardiovasc Surg** 1984 Jul;88(1):134-40

[Perforating wounds of the abdominal aorta] Ermolaev VL. **Khirurgiia (Mosk)** 1984 May;(5):129-30 **(Rus)**

[Knife wound of the arch of the aorta] Tret'iakov AM. **Khirurgiia (Mosk)** 1984 May;(5):127-8 **(Rus)**

[Extracavitary shunting of the femoral arteries in an injury to the terminal section of the aorta] Protsenko NV. **Sov Med** 1983;(11):116-7 **(Rus)**

[Injury of the pulmonary artery, aorta and superior vena cava by a migrating Kirschner's needle] Khlyzov VI, et al. **Vestn Khir** 1983 Jul;131(7):131-2 **(Rus)**

[Rare localization of the source of retroperitoneal hemorrhage] Lebedev AA. **Vestn Khir** 1984 Apr; 132(4):74-5 **(Rus)**

INNERVATION

Rapid resetting of aortic nerves in conscious rabbits. Undesser KP, et al. **Am J Physiol** 1984 Feb;246(2 Pt 2):H302-5

Nerve endings in the pulmonary trunk, ductus arteriosus and aorta of intact and decapitated pig fetuses. Macdonald AA, et al. **Anat Embryol (Berl)** 1983;168(3):395-404

Extraneuronal accumulation of metaraminol in rabbit aorta media. Levin JA, et al. **Blood Vessels** 1984;21(4):171-4

The role of aortic chemoreceptors during acute anemia. Szlyk PC, et al. **Can J Physiol Pharmacol** 1984 May;62(5):519-23

Ultrastructure of aortic and pulmonary baroreceptors in the domestic fowl. Taha AA, et al. **J Anat** 1983 Aug;137 (Pt 1):197-207

Aortic baroreceptor reflex pathway: a functional mapping using [3H]2-deoxyglucose autoradiography in the rat. Ciriello J, et al. **J Auton Nerv Syst** 1983 Jun;8(2):111-28

Physiological and pharmacological properties of the three subsystems constituting the aortic nerve-renal sympathetic reflex in rabbits. Numao Y, et al. **J Auton Nerv Syst** 1983 Nov;9(2-3):361-80

Age-related decline in adrenergic responsiveness of the kidney, heart and aorta of male rats. Simpkins JW, et al. **Neurobiol Aging** 1983 Fall;4(3):233-8

Nonalgebraic interaction between pressor and depressor reflexes in dogs: evidence for a central site of action. Lalley PM, et al. **Proc Soc Exp Biol Med** 1984 Sep;176(4):384-91

Control of hemodynamic adjustments during acute volume expansion in the rabbit. Taylor RF, et al. **Proc Soc Exp Biol Med** 1984 Mar;175(3):366-73

Changes in heart period, heart period variability, and a spectral analysis estimate of respiratory sinus arrhythmias during aortic nerve stimulation in rabbits. McCabe PM, et al. **Psychophysiology** 1984 Mar;21(2):149-58

[Enzymo-chemical organization of the receptors of the aortic reflexogenic zone in dog ontogenesis] Shilkin VV. **Arkh Anat Gistol Embriol** 1983 Jul;85(7):36-40 (Eng. Abstr.) **(Rus)**

METABOLISM

Histamine disposition in endothelial specific granules of the toad aorta. Fujimoto S, et al. **Acta Anat (Basel)** 1984; 118(1):38-41

Effect of elevated substrates on substrate oxidation in normal and diabetic aorta. Dahlkvist HH, et al. **Acta Physiol Scand** 1983 Dec;119(4):321-6

Regulation of glycolysis in rat aorta. Kutchai H, et al. **Am J Physiol** 1984 Jul;247(1 Pt 1):C107-14

LDL, scavenger, and beta-VLDL receptors on aortic endothelial cells. Baker DP, et al. **Arteriosclerosis** 1984 May-Jun;4(3):248-55

Measurement in vivo of irreversible degradation of low density lipoprotein in the rabbit aorta. Predominance of intimal degradation. Carew TE, et al. **Arteriosclerosis** 1984 May-Jun;4(3):214-24

Metabolism of low density lipoprotein by bovine endothelial cells as a function of cell density. Kenagy R, et al. **Arteriosclerosis** 1984 Jul-Aug;4(4):365-71

Modification in the transmural concentration of cholesterol and the transmural distribution of 131I-albumin in the aortas of pigs fed cholesterol: a preliminary report. Bell FP. **Artery** 1983;12(1):24-32

Inhibitory effect of high density lipoprotein subfractions on the in vitro binding of low density lipoproteins to arterial elastin. Noma A, et al. **Atherosclerosis** 1983 Nov; 49(2):171-5

Relationship between aorta cholesterol content and plasma lipids in guinea pigs fed an atherogenic diet. Sable-Amplis R, et al. **Atherosclerosis** 1983 Sep;48(3):295-9

Angiotensin II receptors negatively coupled to adenylate cyclase in rat aorta. Anand-Srivastava MB. **Biochem Biophys Res Commun** 1983 Dec 16;117(2):420-8

Specific receptor for ceruloplasmin in membrane fragments from aortic and heart tissues. Stevens MD, et al. **Biochemistry** 1984 Jan 17;23(2):261-6

Antibodies to the heparan sulfate proteoglycans synthesized by endothelial cell cultures. Buonassisi V, et al. **Biochim Biophys Acta** 1983 Oct 4;760(1):1-12

Dynamics of lipoprotein-glycosaminoglycan interactions in the atherosclerotic rabbit aorta in vivo. Srinivasan SR, et al. **Biochim Biophys Acta** 1984 Apr 18;793(2):157-68

Folic acid and lipoprotein lipase from aorta and blood plasma of atherosclerotic rats. Povoa H Jr, et al. **Biomed Biochim Acta** 1984;43(2):241-4

Calcium, calmodulin, and the production of prostacyclin by cultured vascular endothelial cells. Seid JM, et al. **Biosci Rep** 1983 Nov;3(11):1007-15

Synthesis of coagulation factor V by cultured aortic endothelium. Cerveny TJ, et al. **Blood** 1984 Jun; 63(6):1467-74

Sodium-potassium pump sites, as assessed by [3H]-ouabain binding, in aorta and caudal artery of normotensive and spontaneously hypertensive rats. Wong SK, et al. **Blood Vessels** 1984;21(5):211-22

Impact of insulin or tolbutamide treatment on 14C-arachidonic acid conversion to prostacyclin and/or thromboxane in lungs, aortas, and platelets of streptozotocin-induced diabetic rats. Valentovic MA, et al. **Diabetes** 1983 Sep;32(9):846-51

Lack of correlation between [3H]ouabain binding and Na-K ATPase inhibition in rat aorta. Deth RC, et al. **Eur J Pharmacol** 1984 Mar 16;99(1):45-55

Presence of connective tissue proteins on the endothelium of the rat aorta. Kerényi T, et al. **Exp Mol Pathol** 1984 Jun;40(3):380-90

Role of aging in lipid metabolism in the aorta of rats. Morisaki N, et al. **Gerontology** 1984;30(1):13-21

Temperature dependence of ionic transport and norepinephrine stimulation of rat aorta during DOCA hypertension. Warden DH, et al. **Hypertension** 1984 Jul-Aug;6(4):460-7

Binding, internalization, and degradation of [125I]insulin by cultured bovine aortic endothelial cells: effects of serotonin. Carson MP, et al. **In Vitro** 1983 Nov;19(11):833-40

Biosynthetic and structural properties of endothelial cell type VIII collagen. Sage H, et al. **J Biol Chem** 1983 Nov 10; 258(21):13391-401

Prolonging prostacyclin production by nafazatrom or dipyridamole [letter] Deckmyn H, et al. **Lancet** 1984 Aug 18;2(8399):410-1

The role of calcium in the regulation of prostacyclin synthesis by porcine aortic endothelial cells. Whorton AR, et al. **Lipids** 1984 Jan;19(1):17-24

The influence of uptake2 on the inhibition by unlabelled noradrenaline of the stimulation-evoked overflow of 3H-noradrenaline in rabbit aorta with regard to surface of amine entry. Henseling M. **Naunyn Schmiedebergs Arch Pharmacol** 1983 Sep; 324(2):99-107

Cholinergic stimulation of vascular prostacyclin synthesis. Boeynaems JM, et al. **Prostaglandins** 1983 Oct;26(4):531-44

Physiological concentrations of ADP stimulate the release of prostacyclin from bovine aortic endothelial cells. Van Coevorden A, et al. **Prostaglandins** 1984 Apr;27(4):615-26

Prostaglandin formation in the isolated human ductus arteriosus, aorta, pulmonary and umbilical arteries. Friedman Z, et al. **Prostaglandins Leukotrienes Med** 1984 May;14(2):279–86

Prostaglandin response in the exercise conditioned rat. Merola AJ, et al. **Prostaglandins Leukotrienes Med** 1984 May;14(2):169–74

Pentoxifylline enhances formation of prostacyclin from rat vascular and renal tissue. Sinzinger H. **Prostaglandins Leukotrienes Med** 1983 Oct;12(2):217–26

Effects of labetalol on the arachidonic acid metabolism in human blood platelets, and in lung and aorta of the rat. Srivastava KC, et al. **Prostaglandins Leukotrienes Med** 1983 Sep;12(1):1–9

Prostacyclin–formation by the rabbit aorta: relation to atherosclerosis. Voss R, et al. **Prostaglandins Leukotrienes Med** 1983 Aug;11(4):451–6

Influence of sex steroids during early development on aortic 6–keto–PGF1 alpha synthesis in adult rats: selective sensitivity to estrogens. Wey HE, et al. **Prostaglandins Leukotrienes Med** 1983 Aug;11(4):415–6

Specific effect of dietary saturated fat on rat aortic 6–keto–PGF1 alpha synthesis. Wey HE, et al. **Prostaglandins Leukotrienes Med** 1983 Oct;12(2):169–74

Long–lasting depression of rabbit aortic prostacyclin formation by single–dose irradiation. Sinzinger H, et al. **Radiat Res** 1984 Mar;97(3):533–6

Inactivation of thrombin by the aortic endothelium. Swedenborg J, et al. **Thromb Haemost** 1983 Oct 31; 50(3):635–8

Effect of glycosaminoglycans and antithrombin III on uptake and inhibition of thrombin by the vascular wall. Dryjski M, et al. **Thromb Res** 1983 Nov 15;32(4):355–63

Alterations in buffer K+/Na+ ratio modifies the stimulatory effect of the diuretic, cycletanide, upon rat aorta ring prostacyclin synthesis. Elliott GR, et al. **Thromb Res** 1984 Mar 1;33(5):549–52

Effect of Cyclosporin A on prostacyclin synthesis by vascular tissue. Neild GH, et al. **Thromb Res** 1983 Nov 15; 32(4):373–9

Selenium enhances prostacyclin production by cultured endothelial cells: possible explanation for increased bleeding times in volunteers taking selenium as a dietary supplement. Schiavon R, et al. **Thromb Res** 1984 Jun 1; 34(5):389–96

In vivo effects of cis–5,8,11,14,17–20:5 (n–3) and cis–4,7,10,13,16,19–22:6(n–3) on serum lipoproteins, platelet aggregation, and lipid metabolism in the aorta of rats. Morisaki N, et al. **Tohoku J Exp Med** 1983 Dec; 141(4):397–405

Lipid metabolism in the aorta of daunomycin–induced nephrotic rats. Morisaki N, et al. **Tohoku J Exp Med** 1983 Oct;141(2):183–90

Effect of niceritrol on lipid metabolism of aorta in atherosclerotic rats. Shirai K, et al. **Tohoku J Exp Med** 1984 Jun;143(2):231–8

[Plasma thromboxane B2 and capacity of the aorta to produce prostacyclin in arteriopathies of the lower extremities] Jouve R, et al. **J Mal Vasc** 1983;8(3):221–5 (Eng. Abstr.) **(Fre)**

[Cells of the vascular wall synthesize thromboxane] Sinzinger H, et al. **Wien Klin Wochenschr** 1983 Nov 11;95(21):758–60 (Eng. Abstr.) **(Ger)**

[Changes in the homeostatic balance of prostacyclin–thromboxane generating systems during experimental social stress] Aliev MA, et al. **Biull Eksp Biol Med** 1984 Jul;97(7):20–2 (Eng. Abstr.) **(Rus)**

[Relation between concentration of structural components of aortic atherosclerotic plaques and the age and sex of the patients and nature of the disease] Avtandilov GG, et al. **Sov Med** 1984;(3):7–11 (Eng. Abstr.) **(Rus)**

[Immunomorphological study of fibronectin localization in a primary human aorta cell culture] Andreeva ER, et al. **Tsitologiia** 1984 Mar;26(3):340–3 (Eng. Abstr.) **(Rus)**

[3H–thymidine incorporation into human aorta cells in primary culture. An autoradiographic study] Andreeva ER, et al. **Tsitologiia** 1983 Jul;25(7):849–51 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Herpesviridae in the endothelial and smooth muscle cells of the proximal aorta in arteriosclerotic patients. Gyorkey F, et al. **Exp Mol Pathol** 1984 Jun;40(3):328–39

PATHOLOGY

Stellate cells in the intima of human aorta. Application of alkaline dissociation method in the analysis of the vessel wall cellular content. Krushinsky AV, et al. **Acta Anat (Basel)** 1983;117(3):266–9

Echocardiographic assessment of the subaortic root after implantation of high or low profile mitral prostheses. Cacciapuoti F, et al. **Acta Cardiol (Brux)** 1984;39(2):107–14

Morphologic study on aorta dot stained with Evans blue in normal and hypercholesterolemic rabbits. Tanimura A, et al. **Acta Pathol Jpn** 1983 Nov;33(6):1131–8

Hormonal effects on prevention or regression of atheroma. Copeman HA, et al. **Adv Exp Med Biol** 1984;168:51–84

Factors influencing aortocaval compression in late pregnancy. Milsom I, et al. **Am J Obstet Gynecol** 1984 Mar 15;148(6):764–71

The clonal characteristics of human aortic intima. Comparison with fatty streaks and normal media. Pearson TA, et al. **Am J Pathol** 1983 Oct;113(1):33–40

Relation between aortal sclerosis and metals in biogeochemical environments. Teraoka H. **Arch Environ Contam Toxicol** 1984 Jan;13(1):119–27

George Lyman Duff memorial lecture. Persistent problems in the pathogenesis of atherosclerosis. McGill HC Jr. **Arteriosclerosis** 1984 Sep–Oct;4(5):443–51 (55 ref.)

Alteration in prostacyclin and prostaglandin E2 production. Correlation with changes in human aortic atherosclerotic disease. Rolland PH, et al. **Arteriosclerosis** 1984 Jan–Feb; 4(1):70–8

Diameter changes in rabbit aorta during fixation at physiological pressure. Tindall A, et al. **Atherosclerosis** 1984 Feb;50(2):223–31

About the effect of risk factors on the structure and the proliferation of arterial wall cells. Part 1: Changes in structure and proliferation of cultivated aortic smooth muscle cells from hypertensive–diabetic rats. Grünwald J, et al. **Exp Pathol** 1984;25(3):155–61

Idiopathic cystic medionecrosis and aneurysms of the ascending aorta. Anuar M, et al. **Med J Malaysia** 1983 Mar;38(1):35–8

Percutaneous transluminal angioplasty of the aorta. Light and electron microscopic observations in normal and atherosclerotic rabbits. Zollikofer CL, et al. **Radiology** 1984 May;151(2):355–63

Congenital aortic thrombosis with complete obliteration of the aortic arch and the great vessels. Ahmadi A, et al. **Thorac Cardiovasc Surg** 1983 Aug;31(4):256–9

Histo–anatomical backgrounds of subclavian flap aortoplasty in coarctation of the aorta. van Meurs–van Woezik H, et al. **Thorac Cardiovasc Surg** 1984 Apr;32(2):72–7

The prevalence, gross lesions and histopathology of aortic onchocerciasis in Nigerian cattle. Ogundipe GA, et al. **Vet Q** 1984 Apr;6(2):85–9

[Study on morphological changes of the aortic endothelial cells in atherogenesis in rabbits] Liu BY. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1983 Jun; 11(2):131–3 (Eng. Abstr.) **(Chi)**

[Aortic dissection] Jauslin PA. **Rev Med Suisse Romande** 1984 Feb;104(2):169–72 **(Fre)**

[Pathogenesis of age–related changes in the development of experimental atherosclerosis] Gorev NN, et al. **Fiziol Zh** 1984 May–Jun;30(3):317–23 (Eng. Abstr.) **(Rus)**

[Effect of food with a high content of sunflower oil on the structure of vascular wall of rats on a low–protein diet] Pozdniakov AL, et al. **Vopr Pitan** 1984 Mar–Apr;(2):50–4 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Reduced vasoconstrictor response after angioplasty in normal rabbit aortas. Wolf GL, et al. **AJR** 1984 May;142(5):1023–5

Evaluation of blood flow velocity in the ascending aorta and main pulmonary artery of normal subjects by Doppler echocardiography. Gardin JM, et al. **Am Heart J** 1984 Feb; 107(2):310–9

Exaggerated wave reflection in the kangaroo simulates arterial counterpulsation. Avolio AP, et al. **Am J Physiol** 1984 Feb;246(2 Pt 2):R267–70

Aortic perfusion pressure as a determinant of cardiac protein synthesis. Kira Y, et al. **Am J Physiol** 1984 Mar;246(3 Pt 1):C247–58

Coronary, collateral, and perfusion territory responses to aortic banding. Scheel KW, et al. **Am J Physiol** 1984 Jun; 246(6 Pt 2):H768–75

Occlusive summation of carotid and aortic baroreflexes in control of renal nerve activity. Thames MD, et al. **Am J Physiol** 1984 Jun;246(6 Pt 2):H851–7

Sustained interruption of the aortic baroreflex by left cervical vagotomy in dogs. Walgenbach SC. **Am J Physiol** 1984 Mar;246(3 Pt 2):H319–23

Relationship between untreated and insulin–treated diabetes and vascular relaxation. Pfaffman MA, et al. **Arch Int Pharmacodyn Ther** 1983 Nov;266(1):131–43

Aortic endothelial cells in culture secrete glycoproteins reacting with blood platelets. Fauvel F, et al. **Biochem Biophys Res Commun** 1984 Aug 30;123(1):114–20

Cardiac and sinoaortic reflexes during aortic constriction in awake calves. Chimoskey JE, et al. **Biomater Med Devices Artif Organs** 1983;11(2–3):175–95

The macromolecular basis of the hydraulic conductivity of the arterial wall. Parker KH, et al. **Biorheology** 1984; 21(1–2):181–96

Pulse wave velocities in the aorta. Misra JC, et al. **Bull Math Biol** 1984;46(1):103–14

Coronary venous pressure and flow: effects of vagal stimulation, aortic occlusion, and vasodilators. Klassen GA, et al. **Can J Physiol Pharmacol** 1984 May;62(5):531–8

The velocity profile in the canine ascending aorta and its effects on the accuracy of pulsed Doppler determinations of mean blood velocity. Lucas CL, et al. **Cardiovasc Res** 1984 May;18(5):282–93

Age–associated alterations in viscoelastic properties of canine aortic strips. Yin FC, et al. **Circ Res** 1983 Oct;53(4):464–72

Influence of aortic compliance on coronary blood flow. Abel FL. **Circ Shock** 1984;12(4):265–76

The use of a fast Fourier transform signal processing integrated circuit for Doppler blood flow studies. Franks CI, et al. **Clin Phys Physiol Meas** 1984 May;5(2):105–9

Evaluation of the heart pump function by afterload intracardiac pressure and blood flow measurements in cats. Trubetskoi AV, et al. **Cor Vasa** 1983;25(5):381–91

Computer processing of transaortic valve blood pressures in the horse using the first derivative of the left ventricular pressure trace. Miller PJ, et al. **Equine Vet J** 1984 May; 16(3):210–4

Intra–aortic balloon assistance without a pump. Sideris DA, et al. **Eur Heart J** 1983 Aug;4(8):536–46

Evaluation of pulse contour methods in calculating stroke volume from pulmonary artery pressure curve (comparison with aortic pressure curve). Tajimi T, et al. **Eur Heart J** 1983 Jul;4(7):502–11

An in vitro system for measuring endothelial permeability under hydrostatic pressure. Baetscher M, et al. **Exp Cell Res** 1983 Oct 15;148(2):541–7

Cultured endothelial cells produce multiple growth factors for connective tissue cells. DiCorleto PE. **Exp Cell Res** 1984 Jul;153(1):167–72

Dilatations of the aorta wall—a neurohaemal structure in the grasshopper Poecilocerus pictus Fabr. (Acridioidea: Pyrgomorphidae). Khan TR, et al. **Folia Morphol (Praha)** 1983;31(3):290–2

Absence of renin–like activity in rat aorta and microvessels. Fordis CM, et al. **Hypertension** 1983 Sep–Oct;5(5):635–41

Spontaneous transformation of a cloned cell line of normal diploid bovine vascular endothelial cells. Gorman SD, et al. **In Vitro** 1984 Apr;20(4):339–45

Normal intracardiac and great vessel Doppler flow velocities in infants and children. Grenadier E, et al. **J Am Coll Cardiol** 1984 Aug;4(2):343–50

Changes in vascular responsiveness following chronic exposure to cold in the rat. Bryar BA, et al. **J Appl Physiol** 1983 Sep;55(3):823–9

Effect on breathing of acute pressure rise in pulmonary artery and right ventricle. Lloyd TC Jr. **J Appl Physiol** 1984 Jul; 57(1):110–6

Steady flow development past valve prostheses in a model human aorta. II. Tilting disc valves. Khalighi B, et al. **J Biomech** 1983;16(12):1013–8

Steady flow development past valve prostheses in a model human aorta. I. Centrally occluding valves. Khalighi B, et al. **J Biomech** 1983;16(12):1003–11

Numerical simulations of steady flow inside a three dimensional aortic bifurcation model. Wille SO. **J Biomed Eng** 1984 Jan;6(1):49–55

Organization of actin cytoskeleton during early endothelial regeneration in vitro. Gabbiani G, et al. **J Cell Sci** 1984 Mar;66:39–50

Bovine aortic endothelial cells elaborate an inhibitor of the generation of lipopolysaccharide–stimulated human blood monocyte procoagulant activity. Goodnough LT, et al. **J Clin Invest** 1984 Jul;74(1):75–81

Catecholamines are mitogenic in 3T3 and bovine aortic endothelial cells. Sherline P, et al. **J Clin Invest** 1984 Aug; 74(2):483–7

L–glutamic acid, a possible neurotransmitter to anterior aorta of Aplysia. Sawada M, et al. **J Neurophysiol** 1984 Feb; 51(2):375–86

An evaluation of derived aortic flow parameters as indices of myocardial contractility in rats. de Wildt DJ, et al. **J Pharmacol Methods** 1983 Aug;10(1):55–64

Myocardial protection during prolonged aortic cross–clamping. Comparison of blood and crystalloid cardioplegia. Catinella FP, et al. **J Thorac Cardiovasc Surg** 1984 Sep;88(3):411–23

Safety of prolonged aortic clamping with blood cardioplegia. I. Glutamate enrichment in normal hearts. Robertson JM, et al. **J Thorac Cardiovasc Surg** 1984 Sep;88(3):395–401

Safety of prolonged aortic clamping with blood cardioplegia. II. Glutamate enrichment in energy–depleted hearts. Rosenkranz ER, et al. **J Thorac Cardiovasc Surg** 1984 Sep; 88(3):402–10

Acid–base status of awake rats after cannulation of aorta and vena cava. Girard P, et al. **Kidney Int** 1983 Dec;24(6):795–9

Ultrasonic measurement of aortic and umbilical blood flow in the human fetus. Van Lierde M, et al. **Obstet Gynecol** 1984 Jun;63(6):801–5

Vascular reactivity to adrenergic agents and neuronal and vascular catecholamine levels in spontaneously hypertensive rats. Sun CL, et al. **Pharmacology** 1983; 27(6):319–24

Leukotriene B4 action on endothelium mediates augmented neutrophil/endothelial adhesion. Hoover RL, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(7):2191–3

Activation of factor IX bound to cultured bovine aortic endothelial cells. Stern DM, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(3):913–7

Interaction between depressor and pressor reflexes arising from the aorta in dogs. Pisarri TE, et al. **Proc Soc Exp Biol Med** 1984 Jun;176(2):203–7

Endothelial–dependent relaxant effects of vaso–active intestinal polypeptide and arachidonic acid in rat aortic strips. Davies JM, et al. **Prostaglandins** 1984 Feb; 27(2):195–202

C–6–sulfidopeptide leukotrienes are unlikely to be involved in the endothelium dependent relaxation of rabbit aorta by acetylcholine. Förstermann U, et al. **Prostaglandins** 1984 Feb;27(2):181–93

The vascular endothelium as an inhibitor of thrombin. Dryjski M, et al. **Thromb Res [Suppl]** 1983;5:67–72

The importance of cell origin and substrate in the kinetics

of endothelial cell alignment in response to steady flow. Ives CL, et al. **Trans Am Soc Artif Intern Organs** 1983; 29:269–74

Fetal and maternal aortic flow in two different maternal positions. An investigation with combined Doppler–velocimetry and ultrasonic multiple array. Backe B, et al. **Ultrasound Med Biol** 1983 Nov–Dec;9(6):587–93

[Computers and angiology. Doppler test of the supra–aortic trunk] Lauliac M. **Phlebologie** 1984 Apr–Jun;37(2):247–52 (Eng. Abstr.) **(Fre)**

[Aortic blood flow velocity curve. I. Normal blood flow curve] Loboz–Grudzień K, et al. **Kardiol Pol** 1983; 26(2):131–8 (Eng. Abstr.) **(Pol)**

[Quantitative study of aortic wall permeability] Kozhura IP, et al. **Biull Eksp Biol Med** 1983 Dec;96(12):111–3 (Eng. Abstr.) **(Rus)**

[Permeability of the inner and outer layers of the aortic wall in normal animals of various ages and in experimental renovascular hypertension] Kozhura IP, et al. **Fiziol Zh** 1984 Jul–Aug;30(4):438–44 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Angiotensin causes vasoconstriction during hemorrhage in baroreceptor–denervated dogs. Averill DB, et al. **Am J Physiol** 1983 Oct;245(4):H667–73

Metabolic and mechanical properties of aortas from aldosterone–salt hypertensive rats. McMahon EG, et al. **Circ Res** 1984 Sep;55(3):349–57

Noninvasive evaluation of the ratio of pulmonary to systemic flow in atrial septal defect by duplex Doppler echocardiography. Kitabatake A, et al. **Circulation** 1984 Jan;69(1):73–9

Muscular subaortic stenosis: the quantitative relationship between systolic anterior motion and the pressure gradient. Pollick C, et al. **Circulation** 1984 Jan;69(1):43–9

A pulsed Doppler echocardiographic method for calculating pulmonary and systemic blood flow in atrial level shunts: validation studies in animals and initial human experience. Valdes–Cruz LM, et al. **Circulation** 1984 Jan;69(1):80–6

Aortic input impedance in heart failure: comparison with normal subjects and its changes during vasodilator therapy. Merillon JP, et al. **Eur Heart J** 1984 Jun;5(6):447–55

Forward and backward waves in the arterial system, their relationship to pressure waves form. Merillon JP, et al. **Eur Heart J** 1983 Nov;4 Suppl G:13–20

Mitral–semilunar and aorto–septal discontinuity. Parashar SK. **Indian Heart J** 1983 Jul–Aug;35(4):227–31

Ventricular function and arterial compliance in patients with congestive cardiomyopathy. Babalis D, et al. **Int J Cardiol** 1984 Mar;5(3):361–4

[Aortic blood flow velocity curve. II. Usefulness in cardiologic diagnosis] Loboz–Grudzień K, et al. **Kardiol Pol** 1983;26(2):139–48 (Eng. Abstr.) **(Pol)**

[Aortic ring motion and its various indicators in the echocardiographic picture] Trojnar R, et al. **Kardiol Pol** 1983;26(3):273–8 (12 ref.) **(Pol)**

RADIATION EFFECTS

Radiosensitivity of vascular tissue. II. Differential radiosensitivity of aortic cells in vitro. Fischer–Dzoga K, et al. **Radiat Res** 1984 Sep;99(3):536–46

RADIONUCLIDE IMAGING

Radionuclide angiocardiography in the diagnosis of congenitally corrected transposition of the great arteries. Brendel AJ, et al. **Clin Nucl Med** 1984 Jul;9(7):383–8

Application of the kidney to aortic blood flow index to renal transplants. Dunagin P Jr, et al. **Clin Nucl Med** 1983 Aug; 8(8):360–4

SECRETION

Secretion of elastin in the embryonic chick aorta as visualized by immunoelectron microscopy. Damiano V, et al. **Coll Relat Res** 1984 Mar;4(2):153–64

SURGERY

Extraanatomic vascular reconstruction in patients with aorto–iliac arteriosclerosis. Bergqvist D, et al. **Acta Chir Scand** 1984;150(3):205–9

Delayed aortic prosthetic reconstruction after removal of an infected graft. Reilly LM, et al. **Am J Surg** 1984 Aug; 148(2):234–9

Synthetic patch aortoplasty. A simplified approach for coarctation in repairs during early infancy and thereafter. Yee ES, et al. **Am J Surg** 1984 Aug;148(2):240–3

Total aortic replacement for chronic aortic dissection occurring in patients with and without Marfan's syndrome. Crawford ES, et al. **Ann Surg** 1984 Mar;199(3):358–62

Apicoaortic valved conduits for complex left ventricular outflow obstruction: technical considerations and current status. Brown JW, et al. **Ann Thorac Surg** 1984 Aug; 38(2):162–8

Combined annular and supraannular prosthetic implantation for the small aortic annulus. Matar AF. **Ann Thorac Surg** 1984 Mar;37(3):258–60

Aortofemoral graft infection due to Staphylococcus epidermidis. Bandyk DF, et al. **Arch Surg** 1984 Jan; 119(1):102–8

Acute limb ischemia following aortic reconstruction. A preventable cause of increased mortality. Strom JA, et al. **Arch Surg** 1984 Apr;119(4):470–3

Modified aortoseptoplasty for anular abscess and erosion of the membranous septum. Mavroudis C, et al. **Chest** 1984 Mar;85(3):442–4

Intraoperative identification of vessels critical to spinal cord blood supply—use of somatosensory evoked potentials. Laschinger JC, et al. **Curr Surg** 1984 Mar–Apr;41(2):107–9

Ascending aorta to femoral arteries by–pass: a safe surgical technique of lower limb revascularization in high risk patients undergoing coronary artery by–pass. Nappi GA, et al. **Ital J Surg Sci** 1984;14(1):55–7

The Marfan's syndrome: successful surgical palliation for annulo–aortic ectasia. Kundaje GN, et al. **J Assoc Physicians India** 1983 Dec;31(12):809–11

Surgical treatment of acute dissection of the aorta superimposed on pre–existing aneurysm of the ascending aorta. Total replacement of the ascending aorta with reimplantation of the coronary arteries. A report on five cases. Gandjbakhch I, et al. **J Cardiovasc Surg (Torino)** 1983 Sep–Oct;24(5):475–80

Creation of left–to–right shunts in the newborn pig: a new model. Mavroudis C, et al. **J Surg Res** 1984 Mar;36(3):274–7

Surgical treatment of infected pseudoaneurysms after replacement of the ascending aorta. Bakker–de Wekker P, et al. **J Thorac Cardiovasc Surg** 1984 Sep;88(3):447–51

Complete extra–anatomic bypass of the aortic root: treatment of recurrent mediastinal infection. Bove EL, et al. **J Thorac Cardiovasc Surg** 1983 Dec;86(6):932–4

Left ventricle–aortic conduits in pediatric patients. DiDonato RM, et al. **J Thorac Cardiovasc Surg** 1984 Jul;88(1):82–91

Intermittent aortic cross–clamping versus St. Thomas' Hospital cardioplegia in extensive aorta–coronary bypass grafting. A randomized clinical study. Flameng W, et al. **J Thorac Cardiovasc Surg** 1984 Aug;88(2):164–73

Aortoplasty and aortic valve replacement for annuloaortic ectasia in an infant with Marfan's syndrome, forme fruste. Kawaguchi A, et al. **J Thorac Cardiovasc Surg** 1984 Apr; 87(4):631–4

Preliminary experience with a new technique of insertion and removal of the intra–aortic balloon pump into the ascending aorta [letter] Tchervenkov CI, et al. **J Thorac Cardiovasc Surg** 1984 Mar;87(3):475–7

Algodystrophy after aortic bifurcation surgery. Churcher MD. **Lancet** 1984 Jul 21;2(8395):131–3

Aortitis syndrome treated by apico–aortic bypass procedure: case report. Minami K, et al. **Nippon Geka Hokan** 1983 Mar 1;52(2):244–55

Use of saphenous vein allografts for aortopulmonary artery anastomoses in neonates with complex cyanotic congenital heart disease. Danilowicz D, et al. **Pediatr Cardiol** 1984 Jan–Mar;5(1):13–7

Acute disease of the aorta. Diagnosis by computed tomography and ultrasonography. Godwin JD, et al. **Radiol Clin North Am** 1983 Sep;21(3):551–74 (112 ref.)

Patch graft aortoplasty for repair of coarctation of the aorta in infants under 1 year of age. Levin SE, et al. **S Afr Med J** 1983 Sep 28;64(14):535–8

Surgical repair of aortico–left ventricular tunnel in a 7–day–old child. Björk VO, et al. **Scand J Thorac Cardiovasc Surg** 1983;17(3):185–9

Temporary incomplete ischemia of the legs induced by aortic clamping in man. Metabolic and hemodynamic effects of temporary extracorporeal by–pass. Neglén P, et al. **Scand J Thorac Cardiovasc Surg** 1983;17(3):289–98

Surgical repair of annulo–aortic ectasia in children. Savunen T, et al. **Scand J Thorac Cardiovasc Surg** 1984;18(1):15–21

Combined aortic and renal arterial reconstruction. Kessler AR, et al. **South Med J** 1984 Feb;77(2):155–8

Avoidance of homologous transfusion in aortic operations: the role of autotransfusion, hemodilution, and surgical technique. Cutler BS. **Surgery** 1984 Jun;95(6):717–23

Late aneurysms after patch aortoplasty for coarctation of the aorta in adults. Ala–Kulju K, et al. **Thorac Cardiovasc Surg** 1983 Oct;31(5):301–6

Patch–graft enlargement of the aortic root using autologous pericardium (long–term results). Schulte HD, et al. **Thorac Cardiovasc Surg** 1983 Aug;31(4):219–23

Platelet adenine nucleotide levels in patients with Dacron vascular prostheses. Savage B, et al. **Thromb Res** 1983 Nov 15;32(4):365–72

[Choice of the ascending aorta as the proximal site for implantation of an aorto–aortic bypass. Apropos of 2 cases] Heynen YG, et al. **Ann Chir** 1984 Mar;38(2):134–8 (Eng. Abstr.) **(Fre)**

[Supraceliac anterograde revascularization of the visceral arteries] Cormier JM, et al. **J Chir (Paris)** 1983 Dec; 120(12):673–9 (Eng. Abstr.) **(Fre)**

[Aorto–bi–iliac resection, of the 3rd part of the duodenum and the left colon, for recurrence of colonic cancer] Joyeux A, et al. **J Chir (Paris)** 1983 Oct;120(10):547–50 (Eng. Abstr.) **(Fre)**

[Plea for the terminal anastomosis of aortic prostheses. Theoretical and practical impact] Tournigand P, et al. **J Chir (Paris)** 1984 Mar;121(3):215–20 (Eng. Abstr.) **(Fre)**

[Place of peridural anesthesia in aorto–iliac surgery. Preliminary comparative study apropos of 32 patients] Thierry M, et al. **J Mal Vasc** 1983;8(4):329–33 (Eng. Abstr.) **(Fre)**

[Restoration of work capacity after major vascular surgical interventions. Expectations and reality] Arndt M, et al. **Dtsch Med Wochenschr** 1984 Apr 20;109(16):616–7 (Eng. Abstr.) **(Ger)**

[Role of monolateral by–pass in aorto–iliac vascular surgery] Scintu F. **Minerva Cardioangiol** 1983 Oct;31(10):561–4 (Eng. Abstr.) **(Ita)**

[Intraoperative monitoring of visceral and peripheral arterial blood flow during aorto–iliaco–femoral reconstructions] Bartoli A, et al. **Minerva Chir** 1983 Oct 15;38(19):1613–5 **(Ita)**

[Successful anastomosis of the aorta to the left coronary artery with a flange using a saphenous vein graft] Nakagawa A, et al. **Kyobu Geka** 1983 Oct;36(10):833–7 (Eng. Abstr.) **(Jpn)**

[Aorto–pulmonary shunt using curved E–PTFE (Gore–Tex) tube—a experimental study] Nojiri C, et al. **Kyobu Geka** 1984 May;37(5):361–5 (Eng. Abstr.) **(Jpn)**

[Surgical treatment of stenosis of the right pulmonary artery during radical correction of tetralogy of Fallot after earlier Waterstone–Cooley anastomosis] Burakovskil VI, et al. **Grudn Khir** 1983 Sep–Oct;(5):37–41 (Eng. Abstr.) **(Rus)**

[Prosthesis of the aortic valve and ascending aorta with reimplantation of the coronary artery ostia in Marfan's syndrome] Sitar LL, et al. **Grudn Khir** 1984 Mar–Apr; (2):70–3 **(Rus)**

[Choice of the method of aortopulmonary anastomosis in Fallot's tetrad in young children] Volkolakov IaV, et al. **Grudn Khir** 1984 Jan–Feb;(1):27–31 (Eng. Abstr.) **(Rus)**

[Case of a successful operation for pseudoaneurysm of the ascending aorta] Zin'kovskil MF, et al. **Grudn Khir** 1984 Mar–Apr;(2):75–6 **(Rus)**

[Experimental evaluation of human umbilical cord veins as material for cardiovascular surgery] Andreev ID, et al. **Khirurgiia (Mosk)** 1983 Dec;(12):106–110 **(Rus)**

[Feasibility of ligating the inferior mesenteric artery] Andrianov AV. **Khirurgiia (Mosk)** 1984 May;(5):31–4 (Eng. Abstr.) **(Rus)**

[Effect of surgery of the abdominal aorta on blood flow in the inferior mesenteric artery] Tkhor SN, et al. **Khirurgiia (Mosk)** 1984 May;(5):28–31 (Eng. Abstr.) **(Rus)**

[Myocardial damage and contractile function in patients undergoing surgery for the Leriche syndrome] Ashurov BM. **Klin Med (Mosk)** 1983 Jul;61(7):30–4 (Eng. Abstr.) **(Rus)**

[Intraoperative hemodilution during reconstructive surgery on the aortofemoral segment] Polushin IuS, et al. **Vestn Khir** 1983 Aug;131(8):90–4 (Eng. Abstr.) **(Rus)**

[Successful replacement of the entire ascending aorta and its valve by reimplantation of the opening of the coronary artery in a patient with aortic coarctation associated with Marfan's syndrome] Jablanov J, et al. **Vojnosanit Pregl** 1984 Jan–Feb;41(1):46–8 **(Scr)**

TRANSPLANTATION

Homograft aortic root replacement for complicated prosthetic valve endocarditis. Donaldson RM, et al. **Circulation** 1984 Sep;70(3 Pt 2):I178–81

Healing of biodegradable vascular prosthesis. Incorporation of 3H–valine into proteins in the subendothelial scar and host intima–media of rat aorta. Moczar M, et al. **Connect Tissue Res** 1983;12(1):33–42

Long–term evaluation of allograft aorta and valve replacement. Moll JW, et al. **Int Surg** 1983 Jul–Sep; 68(3):211–3

ULTRASTRUCTURE

Ultrastructural studies of the mouse aorta and its endothelial pinocytosis in diet–induced arteriosclerosis. Fujino M. **Acta Pathol Jpn** 1983 Nov;33(6):1115–30

Ultrastructural features of healing and scarring of experimental atheroma. Weber G. **Adv Exp Med Biol** 1984; 168:37–50 (63 ref.)

Studies on the pathogenesis of atherosclerosis. I. Adhesion and emigration of mononuclear cells in the aorta of hypercholesterolemic rats. Joris I, et al. **Am J Pathol** 1983 Dec;113(3):341–58

Endothelial cell damage following crystalloid cardioplegic solution infusion. Scanning electron microscope study of coronary bypass grafts. Harjula AL, et al. **Arch Surg** 1984 Aug;119(8):946–9

Ciliated smooth muscle cells in aortic atherosclerotic lesions of rabbit. Haust MD. **Atherosclerosis** 1984 Mar;50(3):283–93

Proteoglycan distribution in rat aortic wall following indwelling catheter injury. Huang W, et al. **Atherosclerosis** 1984 Apr;51(1):59–74

Marginal copper deficiency in rats. Aortal morphology of elastin and cholesterol values in first–generation adult males. Hunsaker HA, et al. **Atherosclerosis** 1984 Apr; 51(1):1–19

Heterogeneity of endothelium in human aorta. A quantitative analysis by scanning electron microscopy. Repin VS, et al. **Atherosclerosis** 1984 Jan;50(1):35–52

Ultrastructural changes in the comb and aorta of chicks fed excess testosterone. Toda T, et al. **Atherosclerosis** 1984 Apr; 51(1):47–57

Lipid composition of low–density lysosomal membrane fraction prepared from atheromatous aorta of cholesterol–fed rabbits. Amanuma–Muto K, et al. **Biochem Int** 1983 Jul;7(1):107–14

Characterization of freeze–thaw induced ultrastructural damage to endothelial cells in vitro. Trusal LR, et al. **In Vitro** 1984 Apr;20(4):353–64

Locational stereology performed within sampling fields in rat aortic wall, a polarized tissue. Guyton JR. **J Microsc** 1984 Jul;135 (Pt 1):103–14

[Ultrastructural observation on atherosclerosis of human aorta] Huang ZZ, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1983 Jun; 11(2):141–3 (Eng. Abstr.) **(Chi)**

AORTA, ABDOMINAL

Proximal aortic cross clamping during non-aortic surgery. Harris JP, et al. **Aust NZ J Surg** 1983 Oct;53(5):479–81

Aortocaval compression and plasma concentrations of thiopentone at caesarean section. Morgan DJ, et al. **Br J Anaesth** 1984 Apr;56(4):349–54

Blood groups and HLA antigens in patients with abdominal aortic aneurysms. Norrgård O, et al. **Hum Hered** 1984; 34(1):9–13

Hematuria as a presenting symptom of an aortic–vena caval fistula from ruptured aortic aneurysm. van Driel M, et al. **J Urol** 1984 Oct;132(4):774–5

Surgical treatment of abdominal aortic aneurysm in patients over seventy years old. Morishita Y, et al. **Jpn J Surg** 1983 Sep;13(5):438–40

Left ventricular adaptation to volume overload from large aortocaval fistula. Alyono D, et al. **Surgery** 1984 Aug; 96(2):360–7

Hypoplastic aortoiliac syndrome: An entity peculiar to women. Jernigan WR, et al. **Surgery** 1983 Nov;94(5):752–7

Estradiol suppresses electrically-induced arterial thrombosis by increasing prostaglandin biosynthesizing activity of the aorta in rats. Ohtsu A, et al. **Thromb Res** 1983 Dec 15; 32(6):567–74

[Arteriovenous fistula as a complication of intervertebral disk hernia surgery] Langer B, et al. **Rev Paul Med** 1983 Nov–Dec;101(6):228–30 (Eng. Abstr.) **(Por)**

[Heart wound with migration of a bullet into the abdominal aorta] Bisenkov LN, et al. **Vestn Khir** 1983 Jul;131(7):97–8 **(Rus)**

ABNORMALITIES

Preoperative diagnosis and management of the hypoplastic vessel syndrome. Ameli FM, et al. **J Cardiovasc Surg (Torino)** 1983 Nov–Dec;24(6):654–7

[A rare anomaly of the abdominal aorta and its branches. A case report with angiography and embryological consideration] Kajiwara T, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1983 Nov 25; 43(11):1255–9 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Apoprotein B quantification in rhesus and cynomolgus monkey atherosclerotic lesions. Davis HR, et al. **Atherosclerosis** 1984 Mar;50(3):241–52

Atherosclerosis and lipid composition of the abdominal aorta. Comparison of autopsied New Orleans and Guatemalan men. Malcom GT, et al. **Lab Invest** 1984 Jan;50(1):79–86

ANATOMY & HISTOLOGY

Comparison of fenestrations in internal elastic laminae of canine thoracic and abdominal aortas. Song SH, et al. **Blood Vessels** 1984;21(2):90–7

ENZYMOLOGY

Regression of swine atherosclerosis: susceptibilities of various lesion features. Daoud AS, et al. **Adv Exp Med Biol** 1984; 168:115–37

Concentrations of prostaglandin endoperoxide synthase and prostaglandin I2 synthase in the endothelium and smooth muscle of bovine aorta. DeWitt DL, et al. **J Clin Invest** 1983 Dec;72(6):1882–8

GROWTH & DEVELOPMENT

[Development and hemodynamic studies of a new model of experimental progressive hypertension due to restriction of the growth of the aorta in rats] Martín Paredero V, et al. **Angiologia** 1984 Jul–Aug;36(4):162–200 **(Spa)**

INJURIES

Selective accumulation of low density lipoproteins in damaged arterial wall. Roberts AB, et al. **J Lipid Res** 1983 Sep;24(9):1160–7

Aortic false aneurysm following blunt trauma of the abdomen. Bass A, et al. **J Trauma** 1983 Dec;23(12):1072–3

Injury to pelvic kidney and major abdominal blood vessels during 'temporary' peritoneal dialysis catheter insertion [letter] Pierce JS, et al. **Nephron** 1984;36(4):277

[Injuries to abdominal vessels after surgery of disk herniation] Jue-Denis P, et al. **Rev Chir Orthop** 1984;70(2):141–5 (Eng. Abstr.) **(Fre)**

[Penetrating knife wound of the aorta associated with small-intestinal injury and traumatic eventration of the intestine] Ukhanov AP. **Vestn Khir** 1984 May;132(5):82–3 **(Rus)**

INNERVATION

Central abnormality in baroreflex control of renal nerves in hypertension. Thames MD, et al. **Am J Physiol** 1984 Jun; 246(6 Pt 2):H843–50

METABOLISM

Identification of alpha 1 adrenergic receptors in rabbit aorta with [125I] BE2254. Tsujimoto G, et al. **Life Sci** 1984 Feb 13;34(7):639–46

Influence of dietary polyunsaturated fatty acids on renal & aortic prostaglandin synthesis in 1 kidney 1 clip Goldblatt hypertensive rats. Mahoney D, et al. **Prostaglandins** 1983 Sep;26(3):479–91

PATHOLOGY

Gender and pre-atherosclerotic lesions. Effects on prevalence in human abdominal aortas. Austin GE, et al. **Arch Pathol Lab Med** 1984 Oct;108(10):811–3

A study of atherosclerosis regression in Macaca mulatta. V. Changes in abdominal aorta and carotid and coronary arteries from animals with atherosclerosis induced for 38 months and then regressed for 24 or 48 months at plasma cholesterol concentrations of 300 or 200 mg/dl. Clarkson TB, et al. **Exp Mol Pathol** 1984 Aug;41(1):96–118

A rare anomalous case of absence of the celiac trunk—the left gastric, the splenic and the common hepatic arteries arose from the abdominal aorta independently. Okada S, et al. **Okajimas Folia Anat Jpn** 1983 May;60(1):65–71

Prospective assessment of the aorto-iliac segment by visual interpretation of frequency analysed Doppler waveforms—a comparison with arteriography. Walton L, et al. **Ultrasound Med Biol** 1984 Jan–Feb;10(1):27–32

[Structure of the mineral deposits in major arterial walls in calcinosis (based on scanning electron microscopic data)] Mikhalev AP, et al. **Arkh Patol** 1983;45(8):76–81 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Pulse-wave propagation in the arterial system of the diamond python Morelia spilotes. Avolio AP, et al. **Am J Physiol** 1983 Dec;245(6):R831–6

Comparison of steady and pulsatile flow in a double branching arterial model. Lutz RJ, et al. **J Biomech** 1983; 16(9):753–66

Incidence of degenerate fibres in the dorsal column nuclei after ligation of the abdominal aorta. Marossy A, et al. **J Hirnforsch** 1983;24(5):569–74

A comparison of cardiac alpha-adrenoceptor number and affinity between aorta-coarcted hypertensive and normotensive rats. Lai FM, et al. **Res Commun Chem Pathol Pharmacol** 1984 Jan;43(1):55–65

[Quantitative aortic flow and cardiac output volume determinations in rabbits using tetrapolar impedance plethysmography] Schäfer RO, et al. **Biomed Biochim Acta** 1983;42(10):1287–97 (Eng. Abstr.) **(Ger)**

[Paralytic ileus in surgery of the abdominal aorta. Experimental study. V: Survey of electromagnetic flowmetry] Sortini A, et al. **Chir Patol Sper** 1982 Aug; 30(4):111–24 (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

Intravenous nitroglycerin administration during infrarenal aortic clamping. Bjoraker DG, et al. **Can Anaesth Soc J** 1984 Jan;31(1):44–50

Estimation of blood-flow quality by statistical analysis or an ultrasonic Doppler signal: application to the study of perturbations caused by a vascular stenosis. Moutet JP, et al. **Cardiovasc Res** 1983 Nov;17(11):678–90

Decreased platelet adhesion on vessel segments in von Willebrand's disease: a defect in initial platelet attachment. Turitto VT, et al. **J Lab Clin Med** 1983 Oct;102(4):551–64

[Restoration of circulation by compression of the abdominal aorta] Podoneko-Bogdanova AP, et al. **Vestn Khir** 1984 Jul;132(7):92–3 **(Rus)**

RADIATION EFFECTS

[Radiation vasculopathy—caused by a change in vascular prostacyclin synthesis?] Sinzinger H, et al. **Wien Klin Wochenschr** 1983 Nov 11;95(21):761–5 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Single catheter technique for transaxillary aortofemoral angiography. Hoevels J. **Acta Radiol [Diagn] (Stockh)** 1983; 24(5):381–4

Intravenous digital subtraction angiography of the thoracic and abdominal aorta. Boxt LM. **Cardiovasc Intervent Radiol** 1983;6(4–6):205–13

Age-related changes in the abdominal aorta shown by computed tomography. Dixon AK, et al. **Clin Radiol** 1984 Jan;35(1):33–7

[Angiographic study, by the venous route, of aneurysms of the abdominal aorta] Fays J, et al. **Ann Radiol (Paris)** 1983 Nov;26(7):612–4 (Eng. Abstr.) **(Fre)**

[Iopamidol in aortography and selective abdominal arteriography] Menanteau B, et al. **Ann Radiol (Paris)** 1983 Dec;26(8 Pt 2):718–21 (Eng. Abstr.) **(Fre)**

SURGERY

Angioplasty of a stenotic aorto-renal artery saphenous vein bypass graft to a single kidney. Garfinkel HB, et al. **Am J Kidney Dis** 1984 Sep;4(2):171–4

Massive small bowel infarction. An unusual complication of abdominal aortic surgery. Perler BA, et al. **Am Surg** 1984 Jul;50(7):402–4

Long-term observations on a crimped Dacron aortic bypass graft in the growing child. Robicsek F, et al. **Ann Surg** 1984 Feb;199(2):244–5

Cardiovascular monitoring during elective aortic surgery. Nicholas GG, et al. **Arch Surg** 1983 Nov;118(11):1256–8

Aortoiliac graft infection and pancreatic abscess due to Candida albicans [letter] Worthington M, et al. **Arch Surg** 1984 Feb;119(2):245

Modification by preoperative beta-blockade of the renin response to infrarenal aortic cross-clamping. Grant RP, et al. **Can Anaesth Soc J** 1983 Sep;30(5):480–6

The influence of autotransfusion on homologous blood requirements during aortic reconstruction. Cali RF, et al. **Cleve Clin Q** 1984 Spring;51(1):143–8

Definition of the safe lower limits of aortic resection during surgical procedures on the thoracoabdominal aorta: use of somatosensory evoked potentials. Laschinger JC, et al. **J Am Coll Cardiol** 1983 Nov;2(5):959–65

'Redo' surgery for late aorto-femoral graft occlusive failures. Benhamou AC, et al. **J Cardiovasc Surg (Torino)** 1984 Mar–Apr;25(2):118–25

Paramedian retroperitoneal approach to the abdominal aorta. Taheri SA, et al. **J Cardiovasc Surg (Torino)** 1983 Sep–Oct; 24(5):529–31

Nature of the renal injury following total renal ischemia in man. Myers BD, et al. **J Clin Invest** 1984 Feb;73(2):329–41

Effect of CO2 laser on the luminal surface of blood vessels in vivo. Treat MR, et al. **Lasers Surg Med** 1983;3(3):247–54

Evaluation of the patency rate of fibrous microvascular polyurethane prostheses after implantation in the rat aorta. Hess F, et al. **Microsurgery** 1983;4(3):178–81

The use of microvascular graft as an arterial substitute in the abdominal aorta of the rat. Zelder O, et al. **Microsurgery** 1983;4(3):157–63

Ischemic damage to the spinal cord following surgery of the abdominal aorta. Dunki Jacobs PB, et al. **Neth J Surg** 1984 Feb;36(1):1–5

Abdominal aortic surgery and coronary artery disease—should routine coronary angiography be performed? Nel CJ, et al. **S Afr J Surg** 1983 Dec; 21(4):207–13

Retrocolic omental pedicle flap for routine plication of abdominal aortic grafts. Bunt TJ, et al. **Surg Gynecol Obstet** 1984 Jun;158(6):591–2

Teflon reinforcement of an uninterrupted aortic anastomosis. Hertzer NR. **Surg Gynecol Obstet** 1983 Nov;157(5):480–1

Intraoperative urinary output does not predict postoperative renal function in patients undergoing abdominal aortic revascularization. Alpert RA, et al. **Surgery** 1984 Jun; 95(6):707–11

Nuclear cardiac ejection fraction and cardiac index in abdominal aortic surgery. Fiser WP, et al. **Surgery** 1983 Nov;94(5):736–9

Infrarenal aortic occlusion, colonic blood flow, and the effect of nitroglycerin afterload reduction. Fry RE, et al. **Surgery** 1984 Apr;95(4):479–86

Durability of thrombectomy of occluded aortofemoral graft limbs. Hyde GL, et al. **Surgery** 1983 Nov;94(5):748–51

Indium-111-oxine labeled platelet imaging of endothelial seeded dacron thoracoabdominal vascular prostheses in a canine model. Whitehouse WM Jr, et al. **Trans Am Soc Artif Intern Organs** 1983;29:183–7

Anisotropic polyurethane nonwoven conduits: a new approach to the design of a vascular prosthesis. Wilson GJ, et al. **Trans Am Soc Artif Intern Organs** 1983;29:260–8

Late results of aortorenal bypass. Dean RH. **Urol Clin North Am** 1984 Aug;11(3):425–34

[Subcutaneous dacron bypass. Operation for the treatment of aorto-iliac insufficiency] Kirkegaard-Jensen U. **Ugeskr Laeger** 1984 Feb 20;146(8):576–9 (Eng. Abstr.) **(Dan)**

[Combination of nitroglycerin and vascular loading in abdominal aorta surgery] Degoute CS, et al. **Ann Fr Anesth Reanim** 1983;2(6):396–400 (Eng. Abstr.) **(Fre)**

[Hemodynamic effects of 2 different doses of midazolam in combination with fentanyl for induction of anesthesia in surgery of the abdominal aorta] Pomane C, et al. **Ann Fr Anesth Reanim** 1984;3(3):168–70 (Eng. Abstr.) **(Fre)**

[Supraceliac revascularization of the renal arteries. Choice or necessity] Fichelle JM, et al. **Chirurgie** 1983;109(5):432–7 (Eng. Abstr.) **(Fre)**

[Ischemic left colitis. Late complications of aortoiliac or iliac surgery] Hoehne M, et al. **Chirurgie** 1983;109(5):419–26 (Eng. Abstr.) **(Fre)**

[Aorto-duodenal fistulas after prosthetic surgery of the abdominal aorta. Experience with 12 cases (letter)] Thévenet A, et al. **Chirurgie** 1983;109(8):665–7 **(Fre)**

[Management of anesthesia for surgery of the abdominal aorta] Bonnet F, et al. **J Chir (Paris)** 1984 May;121(5):365–9 (Eng. Abstr.) **(Fre)**

[Changes of the acid-base status, serum lactate concentration and purine metabolism in reconstructive arterial surgery] Schoenberg M, et al. **Chirurg** 1983 Nov;54(11):728–33 (Eng. Abstr.) **(Ger)**

[Aneurysm of the abdominal aorta. Results of surgical therapy] Becker HM, et al. **Fortschr Med** 1983 Sep 15; 101(35):1568–71 (Eng. Abstr.) **(Ger)**

[Experimental intravascular pressure-volume measurement

for assessment of the biomechanical load tolerance of microvascular anastomoses] Brüser P, et al. **Handchir Mikrochir Plast Chir** 1984 Mar;16(1):34–8 (Eng. Abstr.) **(Ger)**

[Sexual function after vascular surgical interventions in the aortoiliac area—causes and the avoidance of impotence] Thetter O, et al. **Langenbecks Arch Chir** 1984;362(3):205–19 (Eng. Abstr.) **(Ger)**

[Reoperation for complications in aorto–iliacal vascular segment] Gatzweiler C, et al. **Zentralbl Chir** 1984; 109(13):900–3 **(Ger)**

[Sexual function disorders after vascular reconstruction in the aortoiliac region] Luther B, et al. **Zentralbl Chir** 1984; 109(7):465–71 (Eng. Abstr.) **(Ger)**

[Surgical treatment of chronic obliterating arteriopathies of the aorto–iliac axis] Spigonardo F, et al. **Minerva Cardioangiol** 1984 Jun;32(6):409–15 (Eng. Abstr.) **(Ita)**

[Various problems of work capacity evaluation, expert testimony and employment of patients after reconstructive operations on the main arteries of the lower limbs and abdominal aorta] Zelenin RP, et al. **Sov Med** 1984;(4):84–7 **(Rus)**

[New method of using reinforced sutures in vascular surgery] Kushakovskiĭ OS, et al. **Voen Med Zh** 1984 May;(5):57–8 **(Rus)**

TRANSPLANTATION

[Morphofunctional characteristics of an abdominal aorta autograft after surgery] Asfandiiarov RI, et al. **Biull Eksp Biol Med** 1984 May;97(5):547–9 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

A unique connective tissue structure in the aortic media of the chicken. Simpson CF. **Cell Tissue Res** 1984;235(1):215–6

AORTA, THORACIC

Aortic root venting [letter] Larrieu AJ, et al. **Ann Thorac Surg** 1984 Jun;37(6):519

Primary metastasizing aortic endothelioma. Schmid E, et al. **Cancer** 1984 Oct 1;54(7):1407–11

Outcome of resuscitative thoracotomy and descending aortic occlusion performed in the operating room. Millikan JS, et al. **J Trauma** 1984 May;24(5):387–92

Prevention of spinal cord injury after cross-clamping of the thoracic aorta. Oka Y, et al. **Jpn J Surg** 1984 Mar; 14(2):159–62

Catheterization of the aortic arch and the ascending aorta [letter] Sanchez GR. **Pediatr Cardiol** 1984 Jan–Mar; 5(1):75–6

ABNORMALITIES

Cervical origin of the right subclavian artery in aortic arch interruption: pathogenesis and significance. Kutsche LM, et al. **Am J Cardiol** 1984 Mar 15;53(7):892–5

Interruption of the aortic arch: experience in 17 infants. Fowler BN, et al. **Ann Thorac Surg** 1984 Jan;37(1):25–32

Ascending–distal abdominal aorta bypass for treatment of hypoplastic aortic arch and atypical coarctation in the adult. Robicsek F, et al. **Ann Thorac Surg** 1984 Mar; 37(3):261–3

Airway compression by a right aortic arch in the absence of a vascular ring. Gidding SS, et al. **Chest** 1984 May; 85(5):703–5

Shunt vascularity in a young patient with right-sided aortic arch. Rosenbloom SA, et al. **Chest** 1984 Aug;86(2):251–2

Left sided cervical aorta arch. Sharma OP, et al. **Indian Heart J** 1983 Nov–Dec;35(6):369–72

Double aortic arch in a dog. Martin DG, et al. **J Am Vet Med Assoc** 1983 Sep 15;183(6):697–9

Persistent right aortic arch associated with other vascular anomalies in two cats. Wheaton LG, et al. **J Am Vet Med Assoc** 1984 Apr 1;184(7):848–51

Transellar intercavernous carotid anastomosis with agenesis of internal carotid artery and right-sided descending aorta: case report. Alexander MW, et al. **J Can Assoc Radiol** 1984 Mar;35(1):92–5

Traumatic disruption of a right aortic arch. Berkoff HA, et al. **J Cardiovasc Surg (Torino)** 1984 Jan–Feb;25(1):78–80

Computed tomography diagnosis of right aortic arch with an aberrant left innominate artery. Schlesinger AE, et al. **J Comput Tomogr** 1984 Jan;8(1):81–7

Repair of type B interruption of the aortic arch. Results and follow-up. Braunlin EA, et al. **J Thorac Cardiovasc Surg** 1983 Dec;86(6):920–5

Reparative operations for interrupted aortic arch with ventricular septal defect. Norwood WI, et al. **J Thorac Cardiovasc Surg** 1983 Dec;86(6):832–7

A case of the right subclavian artery as the last branch of the aortic arch. Umetani T, et al. **Kaibogaku Zasshi** 1983 Dec;58(6):626–9

Airway obstruction in aortic arch anomalies. Lima JA, et al. **Otolaryngol Head Neck Surg** 1983 Dec;91(6):605–9

A rare form of isolated interrupted aortic arch: the value of two-dimensional echocardiography in the precatheterization evaluation. Morera JA, et al. **Pediatr Cardiol** 1983 Oct–Dec;4(4):289–92

Single renal artery originating from thoracic aorta. Dolfe D. **ROFO** 1984 Apr;140(4):469–70

Interruption of the aortic arch in an infant with left subclavian steal syndrome. Case report. Carletti E, et al. **Thorac Cardiovasc Surg** 1984 Jun;32(3):187–9

Tracheal resection in an infant with double aortic arch and associated tracheomalacia. Dark JH, et al. **Thorax** 1983 Oct; 38(10):798–9

Persistent right aortic arch in a kitten. Berry AP, et al. **Vet Rec** 1984 Apr 7;114(14):336–7

Unusual vascular ring in a cat: left aortic arch with right ligamentum arteriosum. McCandlish IA, et al. **Vet Rec** 1984 Apr 7;114(14):338–40

Cervical aortic arch: an unusual cause of a suprasternal notch thrill and diminished left arm pulse. Yeager SB, et al. **W Va Med J** 1984 Jul;80(7):141–2

[Severe tracheo–bronchial compression caused by a circumflex aorta. Apropos of 3 cases treated by aortic uncrossing] Bruniaux J, et al. **Arch Mal Coeur** 1984 May; 77(5):557–63 (Eng. Abstr.) **(Fre)**

[Abnormal aortic arches in infants and children (experience with 322 cases)] Binet JP, et al. **C R Seances Acad Sci [III]** 1984;299(5):107–14 (Eng. Abstr.) **(Fre)**

[Cervical aortic arch. Apropos of a case] Lecomte J, et al. **Poumon Coeur** 1983;39(6):315–9 (Eng. Abstr.) **(Fre)**

[Aortic uncrossing for compressive circumflex aorta. 3 cases] Planché C, et al. **Presse Med** 1984 May 19;13(21):1331–2 (Eng. Abstr.) **(Fre)**

[Erosion hemorrhage from an esophago–aortic fistula in congenital anomaly of the thoracic aorta as a fatal complication of a stomach tube] Jungck E, et al. **Anaesthesist** 1983 Oct;32(10):498–500 (Eng. Abstr.) **(Ger)**

[Early correction of the interrupted aortic arch] Sebening F, et al. **Fortschr Med** 1983 Dec 1;101(45):2101–5 (Eng. Abstr.) **(Ger)**

[Right aortic arch with retroesophageal diverticulum] Goebel N, et al. **Vasa** 1984;13(1):79–82 (Eng. Abstr.) **(Ger)**

[Surgical treatment of the double aortic arch (vascular ring)] Kalkowski H. **Zentralbl Chir** 1984;109(7):490–3 **(Ger)**

[A case report of the incomplete double aortic arch] Inoue K, et al. **Hokkaido Igaku Zasshi** 1984 Mar;59(2):176–9 (Eng. Abstr.) **(Jpn)**

[Diagnostic value of CT in congenital disorders of the great vessels] Yamada Z, et al. **J Cardiogr** 1983 Sep;13(3):685–98 (Eng. Abstr.) **(Jpn)**

[Clinical conference at the Department of Surgery, Kawasaki Medical School. 2. Aortic valve stenosis associated with abnormalities of the right aortic arch and the origin of the left subclavian artery] **Kyobu Geka** 1983 Dec;36(11):924–7 **(Jpn)**

[Surgical treatment of vascular ring with congenital subclavian steal syndrome—a case report] Fukuda T, et al. **Kyobu Geka** 1984 Jun;37(6):433–7 (Eng. Abstr.) **(Jpn)**

[Successful surgical correction of interruption of the aortic arch not associated with left-to-right shunt] Fukuda T, et al. **Kyobu Geka** 1983;36(7):585–8 (Eng. Abstr.) **(Jpn)**

[Cervical aortic arch with severe aortic regurgitation and aneurysm of sinus of Valsalva—report of a case with successful surgical intervention] Hasegawa T, et al. **Kyobu Geka** 1983;36(7):570–5 (Eng. Abstr.) **(Jpn)**

[2-stage correction of interrupted aortic arch] Horio S, et al. **Nippon Geka Hokan** 1983 May 1;52(3):407–11 (Eng. Abstr.) **(Jpn)**

[Surgical management of ductus arteriosus-dependent congenital heart defects] Mori A, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Sep;31(9):1371–6 (Eng. Abstr.) **(Jpn)**

[Surgical management of coarctation of the aorta and interrupted aortic arch in infancy] Muraoka R, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Jun;31(6):851–6 (Eng. Abstr.) **(Jpn)**

[Surgical experience with interruption of the aortic arch] Tanaka J, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Feb;32(2):247–54 (Eng. Abstr.) **(Jpn)**

[Cervical aortic arch associated with aortic kinking and aneurysm] Wei C, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Dec;31(12):2202–8 (Eng. Abstr.) **(Jpn)**

[An adult case of the right aortic arch and persistent superior vena cava] Sasaki F, et al. **Rinsho Hoshasen** 1984 Feb; 29(2):311–4 (Eng. Abstr.) **(Jpn)**

[Symptomatology of the vascular ring in infants and young children] Ostojska J, et al. **Pediatr Pol** 1984 Jan;59(1):9–17 (Eng. Abstr.) **(Pol)**

[Rare anomaly of the aortic arch] Sitar LL. **Grudn Khir** 1983 Sep–Oct;(5):83–5 **(Rus)**

[Double aortic arch] Dimitrov D, et al. **Khirurgiia (Sofiia)** 1983;36(2):176–84 (Eng. Abstr.) **(Rus)**

[Congenital twisting of the aortic arch] Ivanov AM, et al. **Pediatriia** 1983 Jun;(6):64–5 **(Rus)**

[Type A cervical aortic arch. Report of a case associated with tetralogy of Fallot and pulmonary branch stenosis] Vázquez C, et al. **Rev Esp Cardiol** 1983;36(3):265–8 (Eng. Abstr.) **(Spa)**

ANALYSIS

Glycosaminoglycans of arterial basement membrane-like material from cultured rabbit aortic myomedial cells. Heickendorff L, et al. **Biochim Biophys Acta** 1984 Apr 10; 798(2):276–82

Investigation of relationships between collagens, elastin and proteoglycans in bovine thoracic aorta by immunofluorescence techniques. Bartholomew JS, et al. **Histochem J** 1983 Dec;15(12):1177–90

Distribution of proteoglycans and hyaluronic acid in transverse sections of bovine thoracic aorta. Bartholomew JS, et al. **Histochem J** 1983 Oct;15(10):941–51

Comparison of glycosaminoglycans from thoracic aortas of several mammals. Aikawa J, et al. **Tohoku J Exp Med** 1984 May;143(1):107–12

ANATOMY & HISTOLOGY

Comparative histometric study in the aortic arch of birds. Pacheco AC, et al. **Anat Anz** 1984;155(1–5):251–5

Comparison of fenestrations in internal elastic laminae of canine thoracic and abdominal aortas. Song SH, et al. **Blood Vessels** 1984;21(2):90–7

Positional variations in fracture toughness, stiffness and strength of descending thoracic pig aorta. Purslow PP. **J Biomech** 1983;16(11):947–53

Normal thoracic aortic diameters by computed tomography. Aronberg DJ, et al. **J Comput Assist Tomogr** 1984 Apr; 8(2):247–50

Dimensions of the great arteries, semilunar valve roots, and right ventricular outflow tract during growth: normative angiocardiographic data. Sievers HH, et al. **Pediatr Cardiol** 1983 Jul–Sep;4(3):189–96

CYTOLOGY

Effects of culture conditions on the proliferation, morphology and migration of bovine aortic endothelial cells. Schor AM, et al. **J Cell Sci** 1983 Jul;62:267–85

Porcine cardiac valvular endothelial cells in culture. A relative deficiency of fibronectin synthesis in vitro. Johnson CM, et al. **Lab Invest** 1983 Nov;49(5):589–98

In vitro model for the study of platelet–vessel wall interactions following a freeze– thaw injury. Trusal LR, et al. **Lab Invest** 1983 Nov;49(5):611–8

DRUG EFFECTS

Comparative effects of noradrenaline and serotonin in a central and a peripheral artery in vitro. Tayo FM. **Afr J Med Med Sci** 1983 Sep–Dec;12(3–4):139–43

Ergometrine-induced arterial dilatation: an endothelium-mediated effect. Griffith TM, et al. **J Mol Cell Cardiol** 1984 May;16(5):479–82

Characterization of the alpha adrenergic receptor properties of rabbit ear artery and thoracic aorta. Purdy RE, et al. **J Pharmacol Exp Ther** 1984 May;229(2):459–68

The effect of thrombin on platelet accumulation on the vessel wall – influence of heparin and aspirin. Dejana E, et al. **Thromb Haemost** 1983 Aug 30;50(2):567–71

ENZYMOLOGY

Liposome-mediated augmentation of superoxide dismutase in endothelial cells prevents oxygen injury. Freeman BA, et al. **J Biol Chem** 1983 Oct 25;258(20):12534–42

Semiquantitative histochemical investigation of lysosomal enzyme activities in the aortic endothelial cells of rats with renal hypertension. Sasahara M, et al. **Virchows Arch [Cell Pathol]** 1983;44(3):267–74

GROWTH & DEVELOPMENT

Blood pressure lowering diminishes age-related changes in the rat aortic intima. Haudenschild CC, et al. **Hypertension** 1984 Mar–Apr;6(2 Pt 2):I62–8

Changes in arachidonate metabolism in aortas and platelets in aging rats. Chang WC, et al. **Prostaglandins Leukotrienes Med** 1983 Oct;12(2):149–57

IMMUNOLOGY

Immunohistochemical localization of apoprotein B in aortas from hyperlipemic swine. Preferential accumulation in lesion-prone areas. Feldman DL, et al. **Arch Pathol Lab Med** 1984 Oct;108(10):817–22

INJURIES

Radiographic signs of acute traumatic rupture of the thoracic aorta. Sefczek DM, et al. **AJR** 1983 Dec;141(6):1259–62

Traumatic disruption of the brachiocephalic artery. Dula DJ, et al. **Ann Emerg Med** 1983 Oct;12(10):639–41

Disruption of aortic arch branches due to nonpenetrating chest trauma. Faro RS, et al. **Arch Surg** 1983 Nov; 118(11):1333–6

In vitro reendothelialization. Microfilament bundle reorganization in migrating porcine endothelial cells. Gotlieb AI, et al. **Arteriosclerosis** 1984 Mar–Apr;4(2):91–6

Aortic intimal response to endothelial removal in cebus and squirrel monkeys. Hoover GA, et al. **Arteriosclerosis** 1984 Mar–Apr;4(2):165–75

'Bullet embolism' to the popliteal artery following air rifle injury of the thoracic aorta. Burkitt DS, et al. **Br J Surg** 1984 Jan;71(1):61

Closed injury of the aortic arch and subsequent formation of a false aneurysm. Janevski B. **Diagn Imaging** 1983; 52(5):287–91

Traumatic aorto–esophageal fistula [letter] Gomez–Alonso A, et al. **J Thorac Cardiovasc Surg** 1984 Jan;87(1):148–9

[Traumatic rupture of the thoracic aorta] Levang OW, et al. **Tidsskr Nor Laegeforen** 1984 Mar 20;104(8):568–70 (Eng. Abstr.) **(Nor)**

INNERVATION

A direct excitatory action of catecholamines on rat aortic baroreceptors in vitro. Goldman WF, et al. **Circ Res** 1984 Jul;55(1):18–30

[3H]Xylamine accumulation by two sympathetically innervated tissues. Ransom RW, et al. **J Neurochem** 1984 Feb;42(2):475–81

Role of arterial and cardiopulmonary mechanoreceptors in the regulation of arterial pressure during rest and exercise in conscious dogs. Walgenbach SC, et al. **Mayo Clin Proc** 1984 Jul;59(7):467–75

METABOLISM

Inhibition by methylprednisolone treatment of the aortic mineral accumulation in rabbits with chronic renal failure. Tvedegaard E, et al. **Acta Pharmacol Toxicol (Copenh)** 1983 Sep;53(3):218–22

Thiourea causes endothelial cells in tissue culture to produce neutrophil chemoattractant activity. O'Brien RF, et al. **Am Rev Respir Dis** 1984 Jul;130(1):103–9

Kinetics of low density lipoprotein interactions with rabbit aortic wall following balloon catheter deendothelialization. Alavi M, et al. **Arteriosclerosis** 1984 Jul–Aug;4(4):395–402

Endothelial transport of anionized and cationized ferritin in the rabbit thoracic aorta and vasa vasorum. Baldwin AL, et al. **Arteriosclerosis** 1984 Jul–Aug;4(4):372–82

No effect of nifedipine on atherogenesis in cholesterol-fed rabbits. Stender S, et al. **Arteriosclerosis** 1984 Jul–Aug; 4(4):389–94

Metabolism of C14 mevalonate by adult and fetal arteries. Tulenko TN, et al. **Artery** 1983;11(6):450–9

The binding of human aortic glycosaminoglycans and proteoglycans to plasma low density lipoproteins. Mourão PA, et al. **Atherosclerosis** 1984 Feb;50(2):133–46

Distribution in caesium chloride gradients of proteoglycans secreted by bovine aorta smooth muscle cells and study of their aggregation with hyaluronate and cartilage proteoglycan. Arumugham R, et al. **Biochim Biophys Acta** 1984 Jan 24;797(1):128–35

Methylation of phospholipids in microsomes of the rat aorta. Jaiswal RK, et al. **Biochim Biophys Acta** 1983 Nov 23; 735(3):367–79

Selectivity of inhibitors of neuronal and extraneuronal 3H-l-norepinephrine uptake in rabbit aorta. Magill GT, et al. **Blood Vessels** 1984;21(4):175–9

Permeation and deposition of fibrinogen and low-density lipoprotein in the aorta and cerebral artery of rabbits—immuno-electron microscopic study. Kurozumi T, et al. **Br J Exp Pathol** 1984 Jun;65(3):355–64

Interactions of human and bovine elastins with lipids: their proteolysis by elastase. Guantieri V, et al. **Connect Tissue Res** 1983;12(1):79–83

Diabetes and insulin: actions and interactions upon the glucose metabolism of rat aorta. Capron L, et al. **Diabete Metab** 1984 May;10(2):78–84

Role of endothelium in conversion of angiotensin I to angiotensin II in rabbit aorta. Saye JA, et al. **Hypertension** 1984 Mar–Apr;6(2 Pt 1):216–21

Effects of neutrophil elastase and other proteases on porcine aortic endothelial prostaglandin I2 production, adenine nucleotide release, and responses to vasoactive agents. LeRoy EC, et al. **J Clin Invest** 1984 Sep;74(3):1003–10

Effects of perfusate composition on binding of ruthenium red and gold colloid to glycocalyx of rabbit aortic endothelium. Baldwin AL, et al. **J Histochem Cytochem** 1984 Mar;32(3):259–66

Sex difference in the inhibitory effect of aspirin on prostacyclin production of rat aortae. Morikawa M, et al. **Jpn J Pharmacol** 1984 May;35(1):1–7

Identification of alpha 1 adrenergic receptors in rabbit aorta with [125I] BE2254. Tsujimoto G, et al. **Life Sci** 1984 Feb 13;34(7):639–46

Potassium turnover and norepinephrine sensitivity in the thoracic aorta of the Dahl rat. Smith JM, et al. **Proc Soc Exp Biol Med** 1983 Nov;174(2):291–5

Effects of ouabain and potassium on rabbit arterial smooth muscle cells in culture. Henningsen NC, et al. **Scand J Clin Lab Invest** 1984 May;44(3):197–201

Hormonal effects on glycosaminoglycans in thoracic aortas of rabbits. Aikawa J, et al. **Tohoku J Exp Med** 1984 May; 143(1):113–6

PATHOLOGY

Early atherogenesis in White Carneau pigeons. I. Leukocyte margination and endothelial alterations at the celiac bifurcation. Jerome WG, et al. **Am J Pathol** 1984 Jul; 116(1):56–68

Smooth muscle cell hypertrophy and hyperplasia in the thoracic aorta of spontaneously hypertensive rats. Bucher B, et al. **Cell Biol Int Rep** 1984 Jul;8(7):567–77

About the effect of risk factors on the structure and the proliferation of arterial wall cells. Part 2: Changes in structure and proliferation of cultivated aortic endothelial cells from hypertensive minipigs. Mey J, et al. **Exp Pathol** 1984;25(3):163–8

Spatial dispersion of foam cells in the human thoracic aorta. Tracy RE, et al. **Lab Invest** 1983 Dec;49(6):693–701

[Pseudocoarctation caused by a calcified intra-aortic mass] Borromée L, et al. **Sem Hop Paris** 1983 Nov 10; 59(41):2827–30 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Physiological characteristics of diameter pulses in the fetal descending aorta. Sindberg Eriksen P, et al. **Acta Obstet Gynecol Scand** 1984;63(4):355–63

In vitro senescence, differentiated function, and transformation in cultured vascular endothelial cells. Grinspan JB, et al. **Adv Exp Med Biol** 1984;172:67–90

Effect of pressure and stirring on in vitro aortic transmural 125I-albumin transport. Fry DL. **Am J Physiol** 1983 Dec; 245(6):H977–91

Rabbit aortic medial thickness under relaxed and specified simulated in vivo conditions. Schneiderman G, et al. **Am J Physiol** 1983 Oct;245(4):H623–7

Changes in circulating blood volume influence aortic characteristic impedance in awake dogs. Stone DN, et al. **Am J Physiol** 1984 Apr;246(4 Pt 2):H579–84

Changes in smooth muscle tone influence characteristic impedance of the aorta. Stone DN, et al. **Am J Physiol** 1984 Jan;246(1 Pt 2):H1–7

Elasticity of rat thoracic aortas in simple elongation. Weizsäcker HW, et al. **Biomed Tech (Berlin)** 1984 Mar; 29(3):30–8

Blood flow measurements in the fetal descending aorta: technique and clinics. Tonge HM, et al. **Clin Cardiol** 1984 Jun;7(6):323–9

Vascular dynamics in the descending aorta of the human fetus in normal late pregnancy. Tonge HM, et al. **Early Hum Dev** 1983 Dec;9(1):21–6

Angiotensin and norepinephrine effects on isolated vascular strips from a reptile. Stephens GA. **Gen Comp Endocrinol** 1984 May;54(2):175–80

The impedance of curved artery models. Kang SG, et al. **J Biomech Eng** 1983 Aug;105(3):275–82

Cardiovascular effects of FR34235, a new dihydropyridine slow channel blocker, in isolated rabbit myocardium and aorta. Furuta T, et al. **J Cardiovasc Pharmacol** 1983 Sep–Oct;5(5):836–41

Effect of descending thoracic aorta clamping and unclamping on phasic coronary blood flow. Michel JB, et al. **J Surg Res** 1984 Jan;36(1):17–24

Modification by cadmium ions of 45calcium uptake by isolated rabbit aortae. Hattori K, et al. **Jpn J Pharmacol** 1983 Jun;33(3):655–8

Evaluation in vitro of prosthetic heart valves: pulsatile flow through a compliant aorta. Tindale WB, et al. **Life Support Syst** 1983 Jul–Sep;1(3):173–88

Effects of different injurious stimuli on cell death, proliferation, and collagen secretion by rabbit aortic smooth muscle cells and human umbilical vein endothelial cells in culture. Stavenow L, et al. **Med Biol** 1983; 61(4):214–8

The nature of endothelium-derived vascular relaxant factor. Griffith TM, et al. **Nature** 1984 Apr 12–18;308(5960):645–7

Blood flow in the fetal descending aorta; intrinsic factors affecting fetal blood flow, i.e. fetal breathing movements and cardiac arrhythmia. Marlál K, et al. **Ultrasound Med Biol** 1984 May–Jun;10(3):339–48

[A method of quantitative evaluation of the carotid sinus and aortic baroreceptor reflexes] Grigorian RD. **Fiziol Zh** 1983 Jul–Aug;29(4):501–5 **(Rus)**

PHYSIOPATHOLOGY

Integrity of arterial endothelium following acute exposure to high shear stress. Langille LB. **Biorheology** 1984; 21(3):333–46

Functional evidence for increased sodium permeability in aortas from DOCA hypertensive rats. Moreland RS, et al. **Hypertension** 1984 Mar–Apr;6(2 Pt 2):I88–94

Porcine aortic organ culture: a model to study the cellular response to vascular injury. Gotlieb AI, et al. **In Vitro** 1984 Jul;20(7):535–42

[Transcutaneous aortovelography in the diagnosis of aortic stenosis in children and adolescents] Kopecká B, et al. **Cesk Pediatr** 1984 Mar;39(3):163–8 (Eng. Abstr.) **(Cze)**

[Pulsatile flow dynamics of the ductus arteriosus, thoracic aorta and pulmonary artery in patients with patent ductus arteriosus] Nakano H, et al. **J Cardiogr** 1983 Sep; 13(3):715–29 (Eng. Abstr.) **(Jpn)**

[Prediction of postoperative pressure between the right and left ventricles in tetralogy of Fallot based on angiocardiographic findings] Wermeński K, et al. **Kardiol Pol** 1983;26(11–12):841–5 (Eng. Abstr.) **(Pol)**

RADIATION EFFECTS

Enzymatic responses to radiation in cultured vascular endothelial and smooth muscle cells. Rubin DB, et al. **Radiat Res** 1984 Aug;99(2):420–32

RADIOGRAPHY

Evaluation of vascular rings with digital subtraction angiography. Tonkin IL, et al. **AJR** 1984 Jun; 142(6):1287–91

Intravenous digital subtraction angiography of the thoracic and abdominal aorta. Boxt LM. **Cardiovasc Intervent Radiol** 1983;6(4–6):205–13

Examination of the thoracic aorta by computed tomography. Godwin JD. **Chest** 1984 Apr;85(4):564–7

[Angiographic study of the supra-aortic trunks using iopamidol. Apropos of 30 cases] Drouillard J, et al. **Ann Radiol (Paris)** 1983 Dec;26(8 Pt 2):729–34 (Eng. Abstr.) **(Fre)**

[Digital angiography in the exploration of thoracic aorta] Bismuth V, et al. **J Belge Radiol** 1983;66(4):245–51 (Eng. Abstr.) **(Fre)**

[Aortic arch angiography in the preoperative diagnosis of cerebrovascular diseases. Comparison of the conventional technic and intra-arterial DSA] Neufang KF, et al. **ROFO** 1984 Jul;141(1):43–9 (Eng. Abstr.) **(Ger)**

[Case of Subclavian steal of the right aortic arch] Uchino A, et al. **Rinsho Hoshasen** 1983 Aug;28(8):887–90 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

[Occlusion of the central retinal artery with scintigraphic demonstration of the source of emboli in the aorta] Møller HU, et al. **Ugeskr Laeger** 1983 Sep 5;145(36):2761–2 (Eng. Abstr.) **(Dan)**

SURGERY

Considerations in extrathoracic reconstruction for disease of the branches of the aortic arch. Walker HS 3d, et al. **Am J Surg** 1984 Feb;147(2):299–301

Aortic compressor for aortic occlusion in hemorrhagic shock. Mahoney BD, et al. **Ann Emerg Med** 1984 Jan;13(1):11–6

Long-term observations on a crimped Dacron aortic bypass graft in the growing child. Robicsek F, et al. **Ann Surg** 1984 Feb;199(2):244–5

Simplified aortic cannulation [letter] Del Campo C. **Ann Thorac Surg** 1984 May;37(5):440

Management of infected thoracic aortic prosthetic grafts. Hargrove WC 3d, et al. **Ann Thorac Surg** 1984 Jan; 37(1):72–7

Complications of aortic cannulation [letter] Hayward RH, et al. **Ann Thorac Surg** 1984 May;37(5):440

Definition of the safe lower limits of aortic resection during surgical procedures on the thoracoabdominal aorta: use of somatosensory evoked potentials. Laschinger JC, et al. **J Am Coll Cardiol** 1983 Nov;2(5):959–65

Polyester prostheses as substitutes in the thoracic aorta of dogs. I. Evaluation of commercial prostheses. Guidoin R, et al. **J Biomed Mater Res** 1983 Nov;17(6):1049–77

High aortoiliac occlusion: treatment with thoracic aorta to femoral arterial bypass. Lakner G, et al. **J Cardiovasc Surg (Torino)** 1983 Sep–Oct;24(5):532–4

Surgical management of bleeding aortopulmonary fistula and removal of an infected graft. Uehara K, et al. **J Cardiovasc Surg (Torino)** 1983 Nov–Dec;24(6):672–4

A surgical approach to infected descending thoracic aorta grafts. Case report and review of the literature. Fehrenbacher JW, et al. **J Indiana State Med Assoc** 1983 Sep;76(9):588–9

Interrupted aortic arch [letter] Fishman NH. **J Thorac Cardiovasc Surg** 1984 Feb;87(2):320

The effect of preclotting on surface thrombogenicity and thromboembolic complications of Dacron grafts in the canine thoracic aorta. Gloviczki P, et al. **J Thorac Cardiovasc Surg** 1984 Aug;88(2):253–8

The arteria radicularis magna anterior as a decisive factor influencing spinal cord damage during aortic occlusion. Wadouh F, et al. **J Thorac Cardiovasc Surg** 1984 Jul; 88(1):1–10

Transcatheter embolization of the internal thoracic artery for post-traumatic haemorrhage. A case report. Kalideen JM, et al. **S Afr Med J** 1983 Sep 24;64(13):494–5

Effects of compliance alteration on healing of a porous dacron prosthesis in the thoracic aorta of the dog. Cengiz M, et al. **Surg Gynecol Obstet** 1984 Feb;158(2):145–51

Differentiation of vascular prostheses in dogs with serial tests of in vivo platelet reactivity. Clagett GP, et al. **Surgery** 1984 Mar;95(3):331–8

Albumin coated and critical point dried polyester prostheses as substitutes in the thoracic aorta of dogs. Guidoin RG, et al. **Trans Am Soc Artif Intern Organs** 1983;29:290–5

[Bridging of the thoracic aorta with a prosthesis placed as a so-called ventral aorta] Firt P, et al. **Rozhl Chir** 1984 Feb;63(2):104–8 (Eng. Abstr.) **(Cze)**

[The value of computer tomography in the postoperative long-term surveillance of patients with a vascular prosthesis for aorta replacement] Emmrich K, et al. **Z Gesamte Inn Med** 1983 Oct 1;38(19):204–6 (Eng. Abstr.) **(Ger)**

[Cerebral angioscintigraphy in surgery of the supra-aortic truncus] Altamura G, et al. **Ann Ital Chir** 1984;56(1):87–92 **(Ita)**

[The hemodynamics of pelvic circulation after reconstructive aorto-iliac surgery] Giordanengo F, et al. **Arch Sci Med (Torino)** 1983 Jul–Sep;140(3):239–44 (Eng. Abstr.) **(Ita)**

[Surgical treatment of isthmic coarctation of the aorta by left subclavian artery post-isthmic aortic by-pass] Casarotto D, et al. **G Ital Cardiol** 1983;14(1):21–4 (Eng. Abstr.) **(Ita)**

[A new adjunct for resection of aneurysm of the descending thoracic aorta—combined use of an aortic bypass tube and intra-aortic balloon pumping] Yamazato A. **Nippon Geka Hokan** 1983 Jul 1;52(4):525–40 (Eng. Abstr.) **(Jpn)**

[Postoperative course and problems of the interruption of aortic arch] Ishihara S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Mar;32(3):315–23 (Eng. Abstr.) **(Jpn)**

[Patch enlargement of the heart and the aorta without extracorporeal circulation and blood flow occlusion] Maeta H, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Aug; 31(8):1244–9 (Eng. Abstr.) **(Jpn)**

TRANSPLANTATION

Remembrance of things past: aortobronchial fistula 15 years after thoracic aortic homograft. Oldham KT, et al. **West J Med** 1983 Aug;139(2):225–8

[Use of preserved homologous aorta as bronchial prosthesis] França Neto L, et al. **AMB** 1983 Sep–Oct;29(9–10):158–9 (Eng. Abstr.) **(Por)**

[Regeneration of the peripheral nerves in the lumen of implanted vessels] Chumasov EI, et al. **Biull Eksp Biol Med** 1983 Nov;96(11):104–7 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Repair in arterial tissue. An ultrastructural demonstration of proteoglycans in low temperature embedded normal and healing arterial tissue. Chemnitz J, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1983 Nov; 91(6):477–82

The importance of the subendothelial connective tissue to the permeability of the neointimal barrier. Collatz Christensen B, et al. **Atherosclerosis** 1983 Sep;48(3):289–93

Comparison of the cytoskeleton in aortic endothelial cells in situ and in vitro. Rogers KA, et al. **Lab Invest** 1983 Dec;49(6):650–4

Concurrent endothelial cell turnover and leukocyte margination in early atherosclerosis. Jerome WG, et al. **Scan Electron Microsc** 1983;(Pt 3):1453–9

Relationship between aortic endothelial cell morphology and atherosclerosis in rabbits. Kratky RG, et al. **Scan Electron Microsc** 1983;(Pt 3):1461–6

Electron microscopic comparison of the tunica media of the thoracic aorta between species. Toda T, et al. **Tohoku J Exp Med** 1984 Jun;143(2):141–7

[Structural and functional characteristics of endothelial surface of the aorta in experimental hypercholesterolemia] Nagornev VA, et al. **Arkh Patol** 1984;46(1):50–7 (Eng. Abstr.) **(Rus)**

AORTIC ANEURYSM

Case report: late rupture of a thrombosed abdominal aortic aneurysm. Ricotta JJ, et al. **Surgery** 1984 Jun;95(6):753–5

Abdominal aortic aneurysms. Fortner G, et al. **West J Med** 1984 Jan;140(1):50–9

[Aortic aneurysm in childhood] Rubio Vidal D, et al. **Rev Esp Cardiol** 1983;36(5):425–31 (Eng. Abstr.) **(Spa)**

BLOOD

Association between haptoglobin groups and aortic abdominal aneurysms. Norrgård O, et al. **Hum Hered** 1984; 34(3):166–9

CHEMICALLY INDUCED

Dissecting aneurysm of aorta in rats fed with cysteamine. Jayaraj AP. **Br J Exp Pathol** 1983 Oct;64(5):548–52

CLASSIFICATION

[A new classification of aortic dissection] Ijima H, et al. **Kyobu Geka** 1984 Apr;37(4):260–6 (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

Superior mesenteric artery syndrome due to large dissecting abdominal aortic aneurysm. Edwards KC, et al. **Am J Gastroenterol** 1984 Jan;79(1):72–4

Painless aortic dissection: an unusual cause of syncope. Kuhlmann TP, et al. **Ann Emerg Med** 1984 Jul;13(7):549–51

Coincident rupture of berry aneurysm and aortic dissection during sexual intercourse. Lovas JG, et al. **Arch Pathol Lab Med** 1984 Apr;108(4):271–2

Abdominal aortic aneurysm, Leriche's syndrome, inguinal herniation, and smoking. Cannon DJ, et al. **Arch Surg** 1984 Apr;119(4):387–9

Preoperative disseminated intravascular coagulation associated with aortic aneurysms. A prospective study of 76 cases. Fisher DF Jr, et al. **Arch Surg** 1983 Nov; 118(11):1252–5

Malignant neoplasia in patients with abdominal aortic aneurysms. Tilson MD, et al. **Arch Surg** 1984 Jul; 119(7):792–4

Dissection of interventricular septum by aneurysm of sinus of Valsalva. A rare complication diagnosed by echocardiography. Chen WW, et al. **Br Heart J** 1983 Sep; 50(3):293–5

Spontaneous resolution of ureteric obstruction in perianeurysmal retroperitoneal fibrosis. Robbé IJ, et al. **Br J Radiol** 1984 Jan;57(673):92–5

Chronic traumatic aneurysm of the descending thoracic aorta with compression of the tracheobronchial tree. Verdant A. **Can J Surg** 1984 May;27(3):278–9

CT diagnosis of hemopericardium in acute dissecting aneurysm of the thoracic aorta. Meziane MA, et al. **J Comput Assist Tomogr** 1984 Feb;8(1):10–4

Tracheoesophageal fistula and arteriosclerotic aortic aneurysm. Schiffman R. **J Med Soc NJ** 1984 Jul;81(7):563–6

Inflammatory aneurysm of the abdominal aorta. Bundy AL, et al. **JCU** 1984 Feb;12(2):102–4

Noninvasive diagnosis of thrombus in the heart and large vessels—usefulness of two-dimensional echocardiography and X-ray CT. Masuda Y, et al. **Jpn Circ J** 1984 Jan; 48(1):83–9

Penetrating peptic ulcer and aortic aneurysm with aortogastric fistula. Jensen MH, et al. **Surgery** 1984 Jun; 95(6):756–8

Asymptomatic vena caval fistulization complicating abdominal aortic aneurysm. Weinbaum FI, et al. **Surgery** 1984 Jul;96(1):126–8

[Conduction disorders and aneurysms of the sinus of Valsalva] Guez D, et al. **Arch Mal Coeur** 1983 Nov; 76(11):1333–42 (Eng. Abstr.) **(Fre)**

[Rupture of a congenital aneurysm of the sinus of Valsalva] Cartier P, et al. **Chir Pediatr** 1984;25(2):83–6 (Eng. Abstr.) **(Fre)**

[Perianeurysmal retroperitoneal fibrosis (letter)] Benoit G, et al. **Presse Med** 1983 Nov 5;12(39):2466–7 **(Fre)**

[Urologic complications of aortic aneurysm (letter)] Langeron P, et al. **Presse Med** 1983 Oct 29;12(38):2401 **(Fre)**

[Recent aspects in the diagnosis and therapy of inflammatory aneurysms of the abdominal aorta] Valesky A, et al. **Chirurg** 1984 Jul;55(7):464–8 (Eng. Abstr.) **(Ger)**

[Computer tomography of mycotic aortic aneurysm] Triller J, et al. **Radiologe** 1984 Jan;24(1):35–9 (Eng. Abstr.) **(Ger)**

[Fatal hemoptysis caused by rupture of an arteriosclerotic aortic aneurysm in the left lung] Schwesinger G, et al. **Z Gesamte Inn Med** 1983 Oct 1;38(19):528–30 (Eng. Abstr.) **(Ger)**

[Abdominal aorta aneurysm and associated peripheral arterial lesions] Deriu GP, et al. **Minerva Chir** 1983 Jul 15–31; 38(13–14):1059–70 (Eng. Abstr.) **(Ita)**

[Effects of combined use of captopril and furosemide on patients with hypertensive crisis in acute aortic dissection] Mori K, et al. **Kokyu To Junkan** 1984 Jun;32(6):633–9 (Eng. Abstr.) **(Jpn)**

[Disseminated intravascular coagulation associated with thoraco-abdominal aortic aneurysm] Ichihashi K, et al. **Kyobu Geka** 1983 Dec;36(12):1005–8 (Eng. Abstr.) **(Jpn)**

[Cervical aortic arch associated with aortic kinking and aneurysm] Wei C, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Dec;31(12):2202–8 (Eng. Abstr.) **(Jpn)**

[A case report of aorto-iliac aneurysms with huge left internal iliac artery aneurysm] Maruo K, et al. **Nippon Naika Gakkai Zasshi** 1984 Mar;73(3):414–9 **(Jpn)**

[Abdominal aortic aneurysm associated with chronic consumption coagulopathy and cerebral hemorrhage] Shinmyozu K, et al. **Rinsho Ketsueki** 1983 Nov; 24(11):1521–7 (Eng. Abstr.) **(Jpn)**

[Surgical treatment of aneurysms of the ascending aorta and aortic valve insufficiency] Martsinkiavichius A, et al. **Grudn Khir** 1984 Jul–Aug;(4):11–7 (Eng. Abstr.) **(Rus)**

[Supravalvular rupture of the arch of the aorta in food poisoning] Brodov LE, et al. **Ter Arkh** 1983;55(10):72–4 (9 ref.) (Eng. Abstr.) **(Rus)**

[Ischemia of the lower limbs in dissecting aneurysm of the aorta] Ermolaev VL, et al. **Vestn Khir** 1983 Nov; 131(11):72–4 **(Rus)**

[Development of a true aneurysm of the aorta with anomalous origin of the femoral arteries] Benedikt VV, et al. **Vrach Delo** 1984 May;(5):72 **(Rus)**

[Blocked renal function secondary to aortic aneurysm] Franco Miranda E, et al. **Actas Urol Esp** 1983 Jul–Aug; 7(4):309–12 (Eng. Abstr.) **(Spa)**

[Aorto-enteric fistula as a cause of digestive hemorrhage (letter)] Vernet M, et al. **Med Clin (Barc)** 1983 Nov 26; 81(17):785–6 **(Spa)**

CONGENITAL

Severe para-aortic regurgitation due to ruptured congenital subaortic aneurysm. A case report. Rose AG, et al. **S Afr Med J** 1984 Aug 11;66(6):230–2

Congenital abdominal aortic aneurysms: report of a case and review of the literature. Darden WA, et al. **Surgery** 1984 Sep;96(3):567–73

DIAGNOSIS

Unusual echographic findings in aortic dissection: diastolic prolapse of intimal flap into left ventricle. Come PC, et al. **Am Heart J** 1984 Apr;107(4):790–2

Echocardiographic diagnosis of unruptured sinus of Valsalva aneurysm. Lewis BS, et al. **Am Heart J** 1984 May;107(5 Pt 1):1025–7

Unusual echocardiographic image of ascending aortic aneurysm dissection. Steriotis J, et al. **Am Heart J** 1984 May;107(5 Pt 1):1023–5

Two-dimensional and Doppler echocardiographic evaluation of aortic aneurysm and dissection. Mathew T, et al. **Am J Cardiol** 1984 Aug 1;54(3):379–85

Chronic traumatic thoracic aneurysm: demonstration by two-dimensional echocardiography. von Doenhoff LJ, et al. **Am J Cardiol** 1984 Sep 1;54(6):692–3

Marfan's syndrome: acute aortic dissection during labor, resulting in fetal distress and cesarean section, followed by successful surgical repair. Ferguson JE 2d, et al. **Am J Obstet Gynecol** 1983 Dec 1;147(7):759–62

Incidence of abdominal aortic aneurysms in patients with atheromatous arterial disease. Cabellon S Jr, et al. **Am J Surg** 1983 Nov;146(5):575–6

Dissecting thoracic aortic aneurysm in a 16-year-old. Salzberg MR, et al. **Ann Emerg Med** 1984 Mar;13(3):191–3

Ultrasound of the abdominal aorta. Bluth EI. **Arch Intern Med** 1984 Feb;144(2):377–80

Ruptured sinus of valsalva aneurysm in children: report of two cases and literature review. Tonkin IL, et al. **Cardiovasc Intervent Radiol** 1984;7(2):78–83 (28 ref.)

Double-curve wire technique for negotiating tortuous iliac arteries and abdominal aortic aneurysms [letter] Kadir S. **Cathet Cardiovasc Diagn** 1983;9(6):625–7

Acute dissection of the ascending aorta. Initial presentation as acute lower GI bleeding. Sabbagh AH, et al. **Chest** 1983 Oct;84(4):493–4

Recurrent sinus of Valsalva aneurysm with right ventricular outflow tract obstruction. Ellis JH, et al. **Cleve Clin Q** 1984 Spring;51(1):77–81

Mycotic aortic aneurysm diagnosed by In-111 leukocyte scintigraphy and computed tomography. Seabold JE, et al. **Clin Nucl Med** 1983 Oct;8(10):486–7

Aortic dissection presenting with hemoptysis: diagnostic confirmation of dissection and leak by computerized tomography. Barbash GI, et al. **Heart Lung** 1983 Nov; 12(6):633–5

Echocardiography in the diagnosis of Marfan's syndrome. Fulton R, et al. **IMJ** 1984 Feb;165(2):89–91

Two-dimensional echocardiographic recognition of an aortic intimal flap prolapsing into the left ventricular outflow tract. Sraow JS, et al. **J Am Coll Cardiol** 1984 Jul;4(1):180–2

Aortic aneurysm masquerading as acquired pulmonic stenosis. Sahasakul Y, et al. **J Med Assoc Thai** 1984 Feb; 67(2):118–23

Aneurysm of the descending thoracic aorta. Agarwal SK, et al. **J Med Soc NJ** 1984 Mar;81(3):211–3

Occult thoraco-abdominal dissecting aneurysm in a patient with Marfan's syndrome—diagnosis by real-time ultrasound. Goodman A, et al. **JCU** 1984 Feb;12(2):115–9

Dissecting aneurysm in a patient with Marfan's syndrome: recognition of extensive involvement of the aorta by two-dimensional echocardiography. Mattleman S, et al. **JCU** 1984 May;12(4):219–21

Acute disease of the aorta. Diagnosis by computed tomography and ultrasonography. Godwin JD, et al. **Radiol Clin North Am** 1983 Sep;21(3):551–74 (112 ref.)

Ultrasonography in the diagnosis of abdominal aortic aneurysms. Päivänsalo M, et al. **ROFO** 1984 Jun; 140(6):683–5

[Echocardiographic study of aortic dissection] Fang BR, et al. **Taiwan I Hsueh Hui Tsa Chih** 1984 Apr;83(4):359–67 (Eng. Abstr.) **(Chi)**

[Dissecting aneurysm of the aorta (letter)] Blom WA. **Ned Tijdschr Geneeskd** 1984 Jan 7;128(1):43–4 **(Dut)**

[A patient with dissecting aneurysm of the aorta] Speelberg B, et al. **Ned Tijdschr Geneeskd** 1983 Oct 22;127(43):1955–9 (Eng. Abstr.) **(Dut)**

[Atherosclerotic aneurysms of the ascending aorta] Antonelli D, et al. **Harefuah** 1983 Feb 15;104(4):143 (Eng. Abstr.) **(Heb)**

[Aortic pseudo-valvular image with diastolic eccentricity of the semilunaris. A specific sign of aortic dissection?] Capezzuto A, et al. **G Ital Cardiol** 1983 Sep;13(9):205–7 (Eng. Abstr.) **(Ita)**

[Usefulness of dynamic computed tomography in the diagnosis of thoracic aortic aneurysms] Amemiya H, et al. **J Cardiogr** 1983 Mar;13(1):103–16 (Eng. Abstr.) **(Jpn)**

[Ultrasonography in symptomatic abdominal aortic aneurysms] Pillgram-Larsen J, et al. **Tidsskr Nor Laegeforen** 1983 Nov 20;103(32):2179–81 **(Nor)**

[Rupture af an aneurysm of the abdominal aorta simulating acute appendicitis] Fedanov LV, et al. **Khirurgiia (Mosk)** 1984 May;(5):131–2 **(Rus)**

[Laparoscopy in the diagnosis of ruptured aneurysms of the abdominal portion of the aorta] Balalykin AS, et al. **Klin Khir** 1984 Jul;(7):74–5 **(Rus)**

[Dissecting aneurysm of the ascending portion and arch of the aorta simulating an acute cerebral circulatory disorder] El'iashevich GP. **Vrach Delo** 1983 Oct;(10):29–30 (0 ref.) **(Rus)**

ETIOLOGY

Progressive thoracic aortic dilatation after aortic valve replacement. Nancarrow PA, et al. **AJR** 1984 Apr; 142(4):669–72

Risk factors for aortic dissection: a necropsy study of 161 cases. Larson EW, et al. **Am J Cardiol** 1984 Mar 1; 53(6):849–55

Acute and chronic complications of laser angioplasty: vascular wall damage and formation of aneurysms in the atherosclerotic rabbit. Lee G, et al. **Am J Cardiol** 1984 Jan 15;53(2):290–3

Ascending aortic aneurysm after aortocoronary bypass grafting [letter] Orszulak T. **Am J Cardiol** 1984 Jul 1; 54(1):247

False aneurysm of ascending aorta after aortocoronary bypass grafting. Saffitz JE, et al. **Am J Cardiol** 1983 Oct 1; 52(7):907–9

Aortic dissection in Noonan's syndrome (46 XY turner). Shachter N, et al. **Am J Cardiol** 1984 Aug 1;54(3):464–5

Acute, severe, aortic regurgitation in Behçet's syndrome. Comess KA, et al. **Ann Intern Med** 1983 Nov;99(5):639–40

Mycotic aortic aneurysms in children. Bergsland J, et al. **Ann Thorac Surg** 1984 Apr;37(4):314–8

Traumatic aneurysm of the abdominal aorta with acute thrombosis of bilateral iliac arteries. Matsubara J, et al. **Arch Surg** 1983 Nov;118(11):1337–9

Aneurysms of a double velour aortic graft. Nucho RC, et al. **Arch Surg** 1984 Oct;119(10):1182–4

Listeria monocytogenes: a rare cause of mycotic aortic aneurysm. Harvey MH, et al. **Br J Surg** 1984 Feb; 71(2):166–7

Aortic dissecting aneurysm and aorta–right atrial fistula as a late complication of coronary surgery. Büchler JR, et al. **Int J Cardiol** 1983 Sep;4(2):192–4

Bacteroides aortitis and aneurysm formation following arteriography. Sheehan JP. **J Infect** 1983 Sep;7(2):153–5

Surgical treatment of infected pseudoaneurysms after replacement of the ascending aorta. Bakker-de Wekker P, et al. **J Thorac Cardiovasc Surg** 1984 Sep;88(3):447–51

Aortic false aneurysm following blunt trauma of the abdomen. Bass A, et al. **J Trauma** 1983 Dec;23(12):1072–3

Idiopathic cystic medionecrosis and aneurysms of the ascending aorta. Anuar M, et al. **Med J Malaysia** 1983 Mar;38(1):35–8

Occlusive and aneurysmal aortoiliac disease. Dealing with the consequences of atherosclerosis. Graor RA. **Postgrad Med** 1984 May 15;75(7):61–72

Abdominal aortic aneurysm in Marfan's syndrome—a case report. Huang PJ, et al. **Taiwan I Hsueh Hui Tsa Chih** 1983 Jul;82(7):868–73

[Aortic dissection and Horton's disease. 2 cases] Penin F, et al. **Ann Med Interne (Paris)** 1984;135(2):153–7 (Eng. Abstr.) (Fre)

[Dissection of the ascending aorta after aortic valve replacement] Le Heuzey JY, et al. **Arch Mal Coeur** 1983 Nov;76(11):1349–56 (Eng. Abstr.) (Fre)

[Infection of an aorto-aortic prosthesis. Disclosure by pseudo-inflammatory rheumatism (letter)] Volle L, et al. **Presse Med** 1984 Feb 11;13(5):287 (Fre)

[Rupture of a dissecting aneurysm of the ascending aorta 10 years after therapy of coarctation. Apropos of a case of a 10-year-old girl] Laborde F, et al. **Sem Hop Paris** 1983 Nov 17;59(42):2937–8 (Eng. Abstr.) (Fre)

[Unusual aortic aneurysm in Marfan syndrome. A case study] Niggli F, et al. **Vasa** 1983;12(3):274–80 (Eng. Abstr.) (Ger)

[Fatal case of retrograde aortic dissection developing during cardiopulmonary bypass] Hayashibe Y, et al. **Kyobu Geka** 1983 Jun;36(6):510–3 (Eng. Abstr.) (Jpn)

[2 cases of aortic dissection during cardiopulmonary bypass via femoral arterial cannulation and its etiology] Koyama Y, et al. **Kyobu Geka** 1983 Aug;36(8):661–6 (Eng. Abstr.) (Jpn)

[A case of dissecting aneurysm DeBakey type IIIb associated with pheochromocytoma] Tang TC, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Feb;32(2):261–7 (Eng. Abstr.) (Jpn)

[Aortic aneurysm with penetration into the main bronchus, caused by secondary tubercular bronchoadenitis] Borisov VV, et al. **Grudn Khir** 1983 Nov–Dec;(6):79–80 (Rus)

[Aortic pseudoaneurysm in the newborn infant as a cause of pulmonary edema. A complication of the catheterization of the umbilical artery] Girona J, et al. **Rev Esp Cardiol** 1983;36(5):433–5 (Eng. Abstr.) (Spa)

FAMILIAL & GENETIC

Fifty families with abdominal aortic aneurysms in two or more first-order relatives. Tilson MD, et al. **Am J Surg** 1984 Apr;147(4):551–3

Blood groups and HLA antigens in patients with abdominal aortic aneurysms. Norrgård O, et al. **Hum Hered** 1984; 34(1):9–13

Human genetics of the abdominal aortic aneurysm. Tilson MD, et al. **Surg Gynecol Obstet** 1984 Feb;158(2):129–32

Familial occurrence of abdominal aortic aneurysms. Norrgård O, et al. **Surgery** 1984 Jun;95(6):650–6

MICROBIOLOGY

Implications of bacterial culture from abdominal aortic aneurysms [editorial] Ernst CB. **Am J Surg** 1984 Mar; 147(3):427–8

Nontraumatic clostridial myonecrosis and mycotic aneurysm formation. Semel L, et al. **NY State J Med** 1984 Apr; 84(4):195–6

MORTALITY

Independent determinants of operative mortality for patients with aortic dissections. Miller DC, et al. **Circulation** 1984 Sep;70(3 Pt 2):I153–64

Long-term survival of patients with treated aortic dissection. Doroghazi RM, et al. **J Am Coll Cardiol** 1984 Apr; 3(4):1026–34

Some factors influencing hospital mortality in ruptured abdominal aortic aneurysms. Makin GS. **J Cardiovasc Surg (Torino)** 1983 Nov–Dec;24(6):646–8

[Long-term survival after surgical treatment of aneurysms of the infra-renal aorta] Giraud C, et al. **Angiologia** 1984 Jan–Feb;36(1):9–18 (Eng. Abstr.) (Spa)

OCCURRENCE

Changing incidence of abdominal aortic aneurysms: a population-based study. Melton LJ 3d, et al. **Am J Epidemiol** 1984 Sep;120(3):379–86

PATHOLOGY

Chest pain, collapse, and death in late pregnancy [clinical conference] **Am J Med** 1983 Oct;75(4):691–6

Inflammatory abdominal aortic aneurysm: report of six cases. Feiner HD, et al. **Hum Pathol** 1984 May;15(5):454–9

Case record: Rhode Island Hospital [clinical conference] Albala MM, et al. **RI Med J** 1984 Jan;67(1):35–40

[Histological responses following implantation of the ringed intraluminal graft in dissecting aneurysm—autopsy findings and discussion on 2 cases with De Bakey type I dissecting aneurysm] Tamura K, et al. **Kyobu Geka** 1983;36(7):560–4 (Eng. Abstr.) (Jpn)

PHYSIOPATHOLOGY

Anuloaortic ectasia: a clinical and echocardiographic study. Fox R, et al. **Am J Cardiol** 1984 Jul 1;54(1):177–81

[ECG findings in dissecting aneurysms of the aorta—with special reference to the acute stage] Yamaguchi I, et al. **Kokyu To Junkan** 1983 Oct;31(10):1091–8 (Jpn)

[Studies on inferior mesenteric arterial stump blood pressure and aortographic findings in surgical cases of abdominal aortic aneurysm: in relation to ischemic colitis] Tomita E, et al. **Nippon Geka Gakkai Zasshi** 1983 Mar;84(3):223–31 (Eng. Abstr.) (Jpn)

[An experimental study on dissecting aortic aneurysm] Takeoka T. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Feb; 32(2):174–86 (Eng. Abstr.) (Jpn)

RADIOGRAPHY

Computed tomography versus aortography for preoperative evaluation of abdominal aortic aneurysm. Larsson EM, et al. **Acta Radiol [Diagn] (Stockh)** 1984;25(2):95–100

Computed tomography in the diagnosis of iatrogenic false aneurysms of the ascending aorta. Moore EH, et al. **AJR** 1984 Jun;142(6):1117–8

Aortic aneurysm with duodenal obstruction. DeLuca SA, et al. **Am Fam Physician** 1984 Jan;29(1):143–4

Angiographic characterization of aortic aneurysms by digital intravenous angiography. Passariello R, et al. **Ann Radiol (Paris)** 1983 Nov;26(7):599–600

Traumatic pseudoaneurysms of the thoracic aorta. Anatomic and radiologic correlations. Gundry SR, et al. **Arch Surg** 1984 Sep;119(9):1055–60

New computed tomographic signs of aortoenteric fistula. Kukora JS, et al. **Arch Surg** 1984 Sep;119(9):1073–5

Superior mediastinal obstruction with aortic dissection after aortic valve replacement. Diagnosis by computed tomography. Stone DL, et al. **Br Heart J** 1984 May; 51(5):565–7

Postoperative evaluation of composite aortic grafts: comparison of angiography and CT. Probst P, et al. **Br J Radiol** 1983 Nov;56(671):797–804

Non-invasive evaluation of thoracic aneurysms. Gomes MN, et al. **Comput Radiol** 1983 Sep–Oct;7(5):267–77

The diagnosis of aortic dissection. Dee P, et al. **Curr Probl Diagn Radiol** 1983 Nov–Dec;12(6):3–56

Closed injury of the aortic arch and subsequent formation of a false aneurysm. Janevski B. **Diagn Imaging** 1983; 52(5):287–91

Aortic dissection: CT and angiographic comparisons. Neumann CH, et al. **Digitale Bilddiagn** 1984 Mar;4(1):14–7

Streak artefacts of the thoracic aorta: pseudodissection. Gallagher S, et al. **J Comput Assist Tomogr** 1984 Aug; 8(4):688–93

CT differentiation of thoracic aortic aneurysms from pulmonary masses adjacent to the mediastinum. Miller GA Jr, et al. **J Comput Assist Tomogr** 1984 Jun;8(3):437–42

Misleading aortographic finding in acute aortic dissection explained. Jamieson NV. **J R Soc Med** 1984 May; 77(5):427–9

The role of computed tomography in the evaluation of dissecting aortic aneurysms [letter] Danza FM, et al. **Radiology** 1984 Sep;152(3):827–9

Dissecting aortic aneurysm diagnosed by computed tomography: experience of 37 cases. Su CT, et al. **Taiwan I Hsueh Hui Tsa Chih** 1984 Mar;83(3):256–67

[Angiographic study, by the venous route, of aneurysms of the abdominal aorta] Fays J, et al. **Ann Radiol (Paris)** 1983 Nov;26(7):612–4 (Eng. Abstr.) (Fre)

[Aneurysm of the abdominal aorta in infants. Apropos of a case] Hurmic A, et al. **J Radiol** 1984 Mar;65(3):201–5 (Eng. Abstr.) (Fre)

[Roentgen diagnosis of aneurysms of thoracic aorta] Zagorodskaja MM, et al. **Radiol Diagn (Berl)** 1984; 25(1):53–62 (Eng. Abstr.) (Ger)

[The so-called inflammatory aneurysm of the abdominal aorta] Gmelin E, et al. **ROFO** 1984 Jul;141(1):56–60 (Eng. Abstr.) (Ger)

[Lung atelectasis in chronic posttraumatic aortic aneurysm] Steiner H, et al. **ROFO** 1984 Aug;141(2):233–5 (Ger)

[Diagnosis of dissecting aortic aneurysm by digital subtraction angiography] Yamaguchi T, et al. **J Cardiogr** 1983 Mar;13(1):117–24 (Eng. Abstr.) (Jpn)

[Intravenous digital subtraction angiography using an extra-large field size] Korenaga T, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1983 Nov 25; 43(11):1318–20 (Eng. Abstr.) (Jpn)

[Digital video subtraction angiography for abdominal vessels] Yamada R, et al. **Nippon Rinsho** 1983 Jul;41(7):1477–84 (Jpn)

[Usefulness of CT for the diagnosis of aneurysm of the thoracic aorta in a child] Kuribayashi S, et al. **Rinsho Hoshasen** 1983 Sep;28(9):985–7 (Eng. Abstr.) (Jpn)

[Evaluation of intravenous digital subtraction angiography for the diagnosis of aortic dissection] Yamada T, et al. **Rinsho Hoshasen** 1984 Jan;29(1):23–7 (Eng. Abstr.) (Jpn)

[Computer tomography in cardiology. 1. Methods] Rabkin IKh, et al. **Kardiologiia** 1984 Mar;24(3):14–7 (Eng. Abstr.) (Rus)

[Diagnosis of aortic aneurysms using computerized tomography] Rabkin IKh, et al. **Khirurgiia (Mosk)** 1983 Oct;(10):134–7 (Rus)

[X-ray diagnosis of aortic aneurysms and deformities after the surgical correction of coarctation] Ishchenko BI, et al. **Vestn Rentgenol Radiol** 1984 Jan–Feb;(1):61–6 (Eng. Abstr.) (Rus)

RADIONUCLIDE IMAGING

Ascending aortic aneurysm. Van Nostrand D. **Clin Nucl Med** 1984 Jun;9(6):357

[Indium-111-oxine labeled platelet scintigraphy for detection of intracardiac and intravascular thrombi] Kimura M, et al. **J Cardiogr** 1983 Sep;13(3):499–509 (Eng. Abstr.) (Jpn)

[Radionuclide angiography in aneurysm of the thoracic aorta] Kubo A, et al. **Rinsho Hoshasen** 1983 Sep;28(9):1023–4 (Jpn)

[Radioisotope arteriography in the diagnosis of abdominal aortic aneurysms (letter)] Alba Núñez F, et al. **Med Clin (Barc)** 1983 May 14;80(17):773 (Spa)

SURGERY

An anomalous retrocaval right iliac artery in a patient with an aortic aneurysm. A case report. Honkasalo M, et al. **Acta Chir Scand** 1983;149(7):717–9

Abdominal aortic aneurysm—results of treatment in nonspecialized units. Lundell L, et al. **Acta Chir Scand** 1983; 149(7):695–702

Aortic dissection during pregnancy: treatment by emergency cesarean section immediately followed by operative repair of the aortic dissection. Katz NM, et al. **Am J Cardiol** 1984 Sep 1;54(6):699–701

Renal microembolization syndrome. A cause for renal dysfunction after abdominal aortic reconstruction. Iliopoulos JI, et al. **Am J Surg** 1983 Dec;146(6):779–83

Massive small bowel infarction. An unusual complication of abdominal aortic surgery. Perler BA, et al. **Am Surg** 1984 Jul;50(7):402–4

Elective surgery of abdominal aortic aneurysms. Experience with 174 patients. Eerola S, et al. **Ann Chir Gynaecol** 1984; 73(2):59–63

Ureteric obstruction after dacron vascular replacement. Thomas JM, et al. **Ann R Coll Surg Engl** 1983 Nov; 65(6):385–8

Management of cholelithiasis in patients with abdominal aortic aneurysm [letter] Bosman CH. **Ann Surg** 1984 Aug; 200(2):227

Total aortic replacement for chronic aortic dissection occurring in patients with and without Marfan's syndrome. Crawford ES, et al. **Ann Surg** 1984 Mar;199(3):358–62

Aortic arch aneurysm. A sentinel of extensive aortic disease requiring subtotal and total aortic replacement. Crawford ES, et al. **Ann Surg** 1984 Jun;199(6):742–52

Marfan's syndrome. Broad spectral surgical treatment cardiovascular manifestations. Crawford ES. **Ann Surg** 1983 Oct;198(4):487–505

Aortic and renal vascular disease. Factors affecting the value of combined procedures. Dean RH, et al. **Ann Surg** 1984 Sep;200(3):336–44

Determinants of cardiovascular stability during abdominal aortic aneurysmectomy (AAA). Huval WV, et al. **Ann Surg** 1984 Feb;199(2):216–22

Management of cholelithiasis in patients with abdominal aortic aneurysm. Ouriel K, et al. **Ann Surg** 1983 Dec; 198(6):717–9

Juxtarenal aortic atherosclerosis. Surgical experience and functional result. Stoney RJ, et al. **Ann Surg** 1984 Sep; 200(3):345–54

Surgical correction of type I dissecting aortic aneurysm after renal transplantation. Wolfe WG, et al. **Ann Surg** 1984 Aug; 200(2):131–3

Management of renovascular problems during aortic operations. Perry MO, et al. **Arch Surg** 1984 Jun; 119(6):681–5

Pharmacokinetics of alcuronium in elderly patients undergoing total hip replacement or aortic reconstructive surgery. Stephens ID, et al. **Br J Anaesth** 1984 May; 56(5):465–71

A personal view of abdominal aortic aneurysms. Bergan JJ. **Br J Surg** 1984 Apr;71(4):297–301 (40 ref.)

Fatal infection in mice after injection of immunosuppressive serum fractions from surgical patients. McIrvine AJ, et al. **Br J Surg** 1983 Sep;70(9):558–61

Technical aspects in the management of abdominal aortic aneurysms. Sheiner NM. **Can J Surg** 1983 Nov;26(6):523–8

Staged resection of a life-threatening aneurysm of the descending thoracic aorta and a coexisting aneurysm of

the ascending aorta. Verdant A, et al. **Can J Surg** 1984 Mar;27(2):170–1, 175

Acute dissection of the descending thoracic aorta: repair in an unusual case. Verdant A, et al. **Can J Surg** 1984 Jul; 27(4):390–1

Survival following complete detachment of an end-to-end aortic anastomosis. Wooster DL, et al. **Can J Surg** 1983 Nov;26(6):561–2

Metabolic alterations in trauma: lactate and pyruvate levels after aortic surgery. Allen SH, et al. **Circ Shock** 1983; 11(1):13–21

Abdominal aortic aneurysm. Cooley DA, et al. **Circulation** 1984 Sep;70(3 Pt 2):I5–6

Abdominal aortic aneurysm: the case for elective resection. Pasch AR, et al. **Circulation** 1984 Sep;70(3 Pt 2):I1–4

Use of nitroprusside during surgery for thoracoabdominal aortic aneurysm. Shenaq SA, et al. **Circulation** 1984 Sep; 70(3 Pt 2):I7–10

Echographic follow-up of an abdominal aortic aneurysm treated with a prosthetic bypass. Rapaccini GL, et al. **Diagn Imag Clin Med** 1984;53(2):104–6

Aortoenteric fistula: diagnosis and management. Robbins JA, et al. **Dis Colon Rectum** 1984 Mar;27(3): 196–8

The Marfan's syndrome: successful surgical palliation for annulo-aortic ectasia. Kundaje GN, et al. **J Assoc Physicians India** 1983 Dec;31(12):809–11

Abdominal aortic aneurysms: some controversial points. Botta GC, et al. **J Cardiovasc Surg (Torino)** 1983 Sep–Oct; 24(5):481–7

Surgical treatment of acute dissection of the aorta superimposed on pre-existing aneurysm of the ascending aorta. Total replacement of the ascending aorta with reimplantation of the coronary arteries. A report on five cases. Gandjbakhch I, et al. **J Cardiovasc Surg (Torino)** 1983 Sep–Oct;24(5):475–80

Abdominal aortic aneurysm and pelvic kidney. Hans SS, et al. **J Cardiovasc Surg (Torino)** 1984 Mar–Apr;25(2):176–8

Aorto-iliac reconstruction with Dacron double velour. Lindenauer SM, et al. **J Cardiovasc Surg (Torino)** 1984 Jan–Feb;25(1):36–42

Conservatism in the management of aortic aneurysms. Robicsek F. **J Cardiovasc Surg (Torino)** 1984 Jan–Feb; 25(1):81–5

Surgical management of bleeding aortopulmonary fistula and removal of an infected graft. Uehara K, et al. **J Cardiovasc Surg (Torino)** 1983 Nov–Dec;24(6):672–4

Repair of aortic root aneurysms with associated aortic valve insufficiency. Bowling R, et al. **J Ky Med Assoc** 1984 Mar; 82(3):127–30

Abdominal arteriosclerotic aortic aneurysm: a study of 30 patients. Phornphibulaya P, et al. **J Med Assoc Thai** 1984 Mar;67(3):164–9

Case report: extra-anatomic bypasses in aortoenteric fistulas. Antinori CH, et al. **J Med Soc NJ** 1984 May;81(5):393–5

Hypothermia and circulatory arrest for surgical resection of aortic arch aneurysms. Antunes MJ, et al. **J Thorac Cardiovasc Surg** 1983 Oct;86(4):576–81

Surgical treatment of aneurysm of the ascending aorta with aortic insufficiency. A selective approach. Grey DP, et al. **J Thorac Cardiovasc Surg** 1983 Dec;86(6):864–77

Compound grafts of xenopericard..m and Dacron fabric for repair or replacement of great vessels: a method to avoid interstitial and suture hole bleeding. Nuñez L, et al. **J Thorac Cardiovasc Surg** 1984 Feb;87(2):313–5

Surgical treatment of abdominal aortic aneurysm in patients over seventy years old. Morishita Y, et al. **Jpn J Surg** 1983 Sep;13(5):438–40

Surgery for abdominal aortic aneurysms. With special reference to high-risk patients. Nash T, et al. **Med J Aust** 1983 Oct 29;2(9):434–6

Acute renal failure complicating aortic aneurysm surgery. Gornick CC Jr, et al. **Nephron** 1983;35(3):145–57

The use of a straight tube graft decreases blood loss and operation time in patients with an abdominal aortic aneurysm. Snellen JP, et al. **Neth J Surg** 1984 Apr; 36(2):45–7

Treatment of co-existing thoracic and abdominal aneurysms using the flow reversal and thromboexclusion method: case report. Minami K, et al. **Nippon Geka Hokan** 1983 Nov 1;52(6):870–8

Surgical treatment of abdominal aneurysm in hemodialysis patient with polycystic kidney. Okamoto Y, et al. **Nippon Geka Hokan** 1983 Sep 1;52(5):718–24

Management of abdominal aortic aneurysms extending above the renal arteries. Robbs JV, et al. **S Afr J Surg** 1983 Dec; 21(4):234–42

Ruptured sinus of valsalva aneurysms. Henze A, et al. **Scand J Thorac Cardiovasc Surg** 1983;17(3):249–53

Surgical treatment of nondissecting aneurysms of the descending thoracic aorta. Sairanen H, et al. **Scand J Thorac Cardiovasc Surg** 1983;17(3):255–9

Surgical repair of annulo-aortic ectasia in children. Savunen T, et al. **Scand J Thorac Cardiovasc Surg** 1984;18(1):15–21

Infrarenal aortic aneurysmectomy. Smead WL, et al. **Surg Clin North Am** 1983 Dec;63(6):1269–92 (107 ref.)

Autotransfusion in complex abdominal aneurysms. Strom JA, et al. **Surg Gynecol Obstet** 1984 Jul;159(1):59–62

Abdominal aortic aneurysm repair combined with a second surgical procedure—morbidity and mortality. Bickerstaff LK, et al. **Surgery** 1984 Apr;95(4):487–91

The current position of nonresective treatment for abdominal aortic aneurysm. Karmody AM, et al. **Surgery** 1983 Oct; 94(4):591–7

Fatal rupture after successful surgical thrombosis of an abdominal aortic aneurysm. Kwaan JH, et al. **Surgery** 1984 Feb;95(2):235–7

Late aneurysms after patch aortoplasty for coarctation of the aorta in adults. Ala-Kulju K, et al. **Thorac Cardiovasc Surg** 1983 Oct;31(5):301–6

Aneurysms involving the aortic arch. Report on thirteen surgically treated patients. Colombi P, et al. **Thorac Cardiovasc Surg** 1983 Aug;31(4):234–8

Goretex graft replacement of left and right main stem coronary arteries in dissecting aortic aneurysm. von der Emde J, et al. **Thorac Cardiovasc Surg** 1984 Apr;32(2):110–1

Surgical treatment of aneurysms of the ascending aorta associated with severe aortic regurgitation. Antunes MJ, et al. **Thorax** 1984 Apr;39(4):305–10

Abdominal aortic aneurysms: results of resection. Branday JM, et al. **West Indian Med J** 1983 Dec;32(4):232–6

The changing natural and surgical history of abdominal aortic aneurysm s [editorial] Edwards WS. **West J Med** 1984 Jan; 140(1):88–9

[Post-traumatic aneurysms of the thoracic aorta] Hejnal J, et al. **Rozhl Chir** 1984 May;63(5):330–7 (Eng. Abstr.) **(Cze)**

[Paraplegia after operation of aneurysm of the abdominal aorta. Ischemic injuries of the spinal medulla] Nielsen BP, et al. **Ugeskr Laeger** 1983 Nov 21;145(47):3662–3 (Eng. Abstr.) **(Dan)**

[Results of surgery for subrenal aneurysms of the abdominal aorta. Study of 297 surgically-treated cases] Giraud C, et al. **Chirurgie** 1983;109(5):454–63 (Eng. Abstr.) **(Fre)**

[Surgery of aortic dissections. Value of Tissucol compared with GRF (gelatin, resorcinol and formaldehyde) adhesive (letter)] Bical O, et al. **Presse Med** 1983 Sep 24;12(33):2059 **(Fre)**

[Emergency treatment of aneurysms of the abdominal aorta with an endoprosthesis] Manenti A. **Presse Med** 1984 Jun 9;13(24):1509–10 (Eng. Abstr.) **(Fre)**

[The PTFE-Y bifurcation prosthesis: early results] Polterauer P, et al. **Chirurg** 1984 Feb;55(2):106–10 (Eng. Abstr.) **(Ger)**

[Indication for surgery of abdominal aortic aneurysms in the aged] Egloff L. **Dtsch Med Wochenschr** 1984 Jun 29; 109(26):1032–3 **(Ger)**

[Aneurysm of the abdominal aorta. Results of surgical therapy] Becker HM, et al. **Fortschr Med** 1983 Sep 15; 101(35):1568–71 (Eng. Abstr.) **(Ger)**

[Aorto-enteric fistula as a rare complication of reconstructive surgery of the abdominal aorta] Pegoraro M, et al. **Minerva Cardioangiol** 1984 Mar;32(3):113–8 (Eng. Abstr.) **(Ita)**

[Uses and limitations of 'axillo-femoral and femorofemoral by-passes' studied from the viewpoint of our experience] Palladino F, et al. **Minerva Chir** 1984 Feb 28;39(4):221–4 (Eng. Abstr.) **(Ita)**

[Surgical therapy of the dissection of the ascending aorta. Experience in the use of the G. R. F. biological glue] Guilmet D, et al. **Minerva Med** 1983 Dec 15; 74(47–48):2871–6 (Eng. Abstr.) **(Ita)**

[Complication after operation for thoracic aortic aneurysm—transition of pulmonary function in the use of double lumen endobronchial tube and the clamp of left pulmonary artery] Uchiyama H. **Igaku Kenkyu** 1983 Jul; 53(4):233–40 (Eng. Abstr.) **(Jpn)**

[Successful surgical treatment of two cases of ruptured dissecting aneurysm] Goto T, et al. **Kyobu Geka** 1983; 36(7):594–8 (Eng. Abstr.) **(Jpn)**

[Cervical aortic arch with severe aortic regurgitation and aneurysm of sinus of Valsalva—report of a case with successful surgical intervention] Hasegawa T, et al. **Kyobu Geka** 1983;36(7):570–5 (Eng. Abstr.) **(Jpn)**

[Surgical treatment of saccular aneurysm of the upper abdominal aorta complicated with renovascular hypertension] Hiekata T, et al. **Kyobu Geka** 1984 May; 37(5):390–4 (Eng. Abstr.) **(Jpn)**

[Cerebral embolism as a complication of aneurysmectomy of the descending aorta] Hiekata T, et al. **Kyobu Geka** 1983 Jun;36(6):495–9 (Eng. Abstr.) **(Jpn)**

[Aneurysm of the descending thoracic aorta associated with left subclavian artery aneurysm] Kusaba E, et al. **Kyobu Geka** 1983;36(7):548–9 (Eng. Abstr.) **(Jpn)**

[One-step operation for annulo-aortic ectasia complicated with descending aortic aneurysm] Morio S, et al. **Kyobu Geka** 1984 Jan;37(1):65–8 (Eng. Abstr.) **(Jpn)**

[Surgical treatment of aneurysms of the thoracic aorta] Tanabe T, et al. **Kyobu Geka** 1984 Jun;37(6):420–6 (Eng. Abstr.) **(Jpn)**

[Surgical treatment of abdominal aortic aneurysm in the elderly] Inada H, et al. **Nippon Geka Gakkai Zasshi** 1984 Mar;85(3):254–60 (Eng. Abstr.) **(Jpn)**

[Extended aortic bypass operation for dissecting aortic aneurysm of De Bakey type III: experimental and clinical studies] Inomata A. **Nippon Geka Gakkai Zasshi** 1983 May; 84(5):392–403 (Eng. Abstr.) **(Jpn)**

[A new adjunct for resection of aneurysm of the descending thoracic aorta—combined use of an aortic bypass tube and intra-aortic balloon pumping] Yamazato A. **Nippon Geka Hokan** 1983 Jul 1;52(4):525–40 (Eng. Abstr.) **(Jpn)**

[Clinical study of treatment for descending thoracic aortic aneurysms] Noguchi S. **Nippon Ika Daigaku Zasshi** 1983 Aug;50(4):489–500 (Eng. Abstr.) **(Jpn)**

[Intraoperative autotransfusion combined with temporary bypass procedure for the surgery of thoracic aneurysm] Ando M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Dec;31(12):2146–51 (Eng. Abstr.) **(Jpn)**

[Surgical treatment of aneurysms of the transverse aortic arch] Asano K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Mar;32(3):373–7 (Eng. Abstr.) **(Jpn)**

[Surgical treatment of thoracoabdominal aortic aneurysms: report of four cases and review of the literature] Hiekata T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Mar; 32(3):400–7 (Eng. Abstr.) **(Jpn)**

[Surgical treatment of descending thoracic aneurysms using V-A bypass and left bronchial blocking] Kawada S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Mar;32(3):301–6 (Eng. Abstr.) **(Jpn)**

[Cabrol procedure for annuloaortic ectasia] Murakami T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Sep; 31(9):1436–40 (Eng. Abstr.) **(Jpn)**

[Successful treatment of dissecting aortic aneurysm discovered during weaning from extracorporeal circulation] Paik NS, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Mar;31(3):396–400 (Eng. Abstr.) **(Jpn)**

[Expansion of the false lumen following Carpentier's surgery for extensive aortic aneurysm complicated with DeBakey-type IIIa dissecting aneurysm] Shimizu Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Nov; 31(11):2075–84 (Eng. Abstr.) **(Jpn)**

[Coexistence of enlarging aneurysm of the abdominal aorta and severe mitral regurgitation combined with coronary tripple vessel disease—a case of successful correction] Yokoyama H, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Jun;31(6):948–54 (Eng. Abstr.) **(Jpn)**

[Early surgical treatment for type A acute aortic dissecting aneurysm] Abe T, et al. **Rinsho Kyobu Geka** 1983 Nov; 3(6):769–72 (Eng. Abstr.) **(Jpn)**

[Pre-and post-operative management in aneurysms of the thoracic and abdominal aorta] Katsumura T, et al. **Rinsho Kyobu Geka** 1984 Jan;4(1):97–102 (Eng. Abstr.) **(Jpn)**

[Surgical treatment of acute dissecting aneurysm of the aorta—a case of acute aortic arch dissection treated by aortic vessel reconstruction] Kawada K, et al. **Rinsho Kyobu Geka** 1983 May;3(3):289–96 (Eng. Abstr.) **(Jpn)**

[Evaluation of the surgical results in acute dissecting aneurysms of the aorta] Kazui T, et al. **Rinsho Kyobu Geka** 1983 May;3(3):297–302 (Eng. Abstr.) **(Jpn)**

[Surgical treatment of aneurysm of the thoracic aorta. Circulatory assist technique during aortic cross clamping] Komatsu S, et al. **Rinsho Kyobu Geka** 1984 May;4(3):325–30 (Eng. Abstr.) **(Jpn)**

[Improvement of surgical procedures in dissecting aortic aneurysm] Matsuda M, et al. **Rinsho Kyobu Geka** 1983 May; 3(3):310–4 (Eng. Abstr.) **(Jpn)**

[Acute aortic dissection: surgical indication and problems in the acute stage] Miyamoto T. **Rinsho Kyobu Geka** 1983 May;3(3):283–8 (Eng. Abstr.) **(Jpn)**

[Surgical treatment of dissecting aortic aneurysm using a ringed graft—evaluation of 4 cases] Okoshi T, et al. **Rinsho Kyobu Geka** 1983 May;3(3):337–44 (Eng. Abstr.) **(Jpn)**

[Surgical treatment of cerebrovascular crisis in acute aortic dissection] Shimazu K, et al. **Rinsho Kyobu Geka** 1983 May; 3(3):303–8 (Eng. Abstr.) **(Jpn)**

[Treatment of giant abdominal aortic aneurysm with poor left ventricular function induced by ischemic heart disease] Takamoto S, et al. **Rinsho Kyobu Geka** 1984 Mar; 4(2):237–40 (Eng. Abstr.) **(Jpn)**

[Surgical treatment of acute dissecting aneurysm of the aorta—results of insertion of a ringed graft] Terashima M, et al. **Rinsho Kyobu Geka** 1983 May;3(3):277–82 (Eng. Abstr.) **(Jpn)**

[Thoracic aorta aneurysms and dissections. Surgical treatment] Stolf NA, et al. **Arq Bras Cardiol** 1983 Oct; 41(4):221–6 (Eng. Abstr.) **(Por)**

[Surgical treatment of chronic dissections of the thoracic aorta] Stolf NA, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1983 Jan–Feb;38(1):3–7 (Eng. Abstr.) **(Por)**

[Case of a successful operation for pseudoaneurysm of the ascending aorta] Zin'kovskil MF, et al. **Grudn Khir** 1984 Mar–Apr;(2):75–6 **(Rus)**

[Surgical tactics in dissecting aneurysms of the thoracic aorta] Petrovskil BV, et al. **Khirurgiia (Mosk)** 1983 Oct;(10):11–6 (Eng. Abstr.) **(Rus)**

[Resection of an aneurysm of the aortic arch] Sitar LL, et al. **Khirurgiia (Mosk)** 1983 Dec;(12):24–9 (Eng. Abstr.) **(Rus)**

[Reconstructive surgery of the terminal aorta and arteries of the lower limbs in patients over 60] Vakhidov VV, et al. **Vestn Khir** 1983 Sep;131(9):6–9 (Eng. Abstr.) **(Rus)**

[Ureteral complications after aorto-ilio-femoral surgery. Review of 46 cases] Muruamendiaraz V, et al. **Arch Esp Urol** 1984 Jan–Feb;37(1):17–31 (Eng. Abstr.) **(Spa)**

[Aneurysm of the abdominal aorta. Surgical monitoring and postoperative complications] Alvarez J, et al. **Rev Esp Anestesiol Reanim** 1984 Jan–Feb;31(1):22–4 (Eng. Abstr.) **(Spa)**

[Radical surgical treatment of annuloaortic ectasia. Analysis of a series of 21 consecutive patients] Iglesias A, et al. **Rev Esp Cardiol** 1984 Jul–Aug;37(4):271–6 (Eng. Abstr.) **(Spa)**

[Emergency surgical treatment of acute dissection of the ascending aorta] Morillo Pereña F. **Rev Esp Cardiol** 1983; 36(2):141–4 (Eng. Abstr.) **(Spa)**

THERAPY

Abdominal aortic aneurysm in high–risk patients. Outcome of selective management based on size and expansion rate. Bernstein EF, et al. **Ann Surg** 1984 Sep;200(3):255–63

Dissecting aneurysm of the descending thoracic aorta. Surgical or medical treatment? Bergholm U, et al. **Scand J Thorac Cardiovasc Surg** 1984;18(1):45–7

VETERINARY

Toxic effects of high concentrations of zinc oxide in the diet of the chick and laying hen. Dewar WA, et al. **Br Poult Sci** 1983 Jul;24(3):397–404

Aneurysms in a large colony of squirrel monkeys (Saimiri sciureus). Strickland HL, et al. **Lab Anim Sci** 1983 Dec; 33(6):589–92

AORTIC ARCH see AORTA, THORACIC

AORTIC ARCH SYNDROMES

[The syndrome of obstruction of the branches of the aortic cross] Datcu MD. **Rev Med Chir Soc Med Nat Iasi** 1983 Apr–Jun;87(2):313–5 **(Rum)**

COMPLICATIONS

Pregnancy and Takayasu's arteritis. Wong VC, et al. **Am J Med** 1983 Oct;75(4):597–601

Coronary artery aneurysm associated with aortitis syndrome diagnosed pre– and intraoperatively. Fukuda I, et al. **Jpn Heart J** 1983 Nov;24(6):1007–15

[Aortic insufficiency and Takayasu disease] Acar J, et al. **Ann Med Interne (Paris)** 1983;134(7):606–13 (Eng. Abstr.) **(Fre)**

[Coronary involvement in Takayasu's disease. Apropos of 3 cases, of which 2 were surgically treated, and review of the literature] Thomas D, et al. **Arch Mal Coeur** 1984 Apr;77(4):386–96 (34 ref.) (Eng. Abstr.) **(Fre)**

[An unusual case of aortitis syndrome with probable hypertrophic cardiomyopathy] Funazaki T, et al. **J Cardiogr** 1983 Dec;13(4):1056–7 **(Jpn)**

[Coronary ostial stenosis due to aortitis syndrome (Takayasu's arteritis) in a young female: report of a case] Inanami H, et al. **J Cardiogr** 1983 Sep;13(3):761–8 (Eng. Abstr.) **(Jpn)**

[Aortitis syndrome with bilateral coronary ostial stenosis] Hata H, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Aug;31(8):1303–8 (Eng. Abstr.) **(Jpn)**

[Arteriography in a case of aortic arch syndrome (Takayasu syndrome) with 'minor' ocular manifestations] Bozac M, et al. **Rev Chir [Oftalmol]** 1984 Apr–Jun;28(2):147–51 (Eng. Abstr.) **(Rum)**

[Cardiac damage in Takayasu's arteritis. Study in 125 patients] Orea Tejada A, et al. **Arch Inst Cardiol Mex** 1983 Sep–Oct;53(5):441–7 (Eng. Abstr.) **(Spa)**

[Temporal arteritis and the aortic arch syndrome (letter)] Gil Aguado A, et al. **Med Clin (Barc)** 1983 Sep 10; 81(6):275–6 **(Spa)**

DIAGNOSIS

Unusual Takayasu's arteritis: case report. Camici M, et al. **Angiology** 1984 Feb;35(2):104–9

Aortic catheterisation via percutaneous left ventricular puncture. Wong PH, et al. **Cathet Cardiovasc Diagn** 1983; 9(4):421–7

Diagnosis of aortic arch syndrome by digital subtraction angiography [letter] Baird R, et al. **J Rheumatol** 1984 Jun; 11(3):403–4

Takayasu's arteritis. Case report and review of the literature. Van der Heijden JT, et al. **Neth J Med** 1984;27(3):74–9

[A patient with Takayasu disease] Albada J, et al. **Ned Tijdschr Geneeskd** 1984 May 5;128(18):857–61 (Eng. Abstr.) **(Dut)**

[Takayasu's disease: diagnosis] Fiessinger JN, et al. **Ann Med Interne (Paris)** 1983;134(5):441–3 (Eng. Abstr.) **(Fre)**

[Primary arteritis of the right axillary and left pulmonary arteries or Takayasu's disease in an adolescent] Ayral D, et al. **Pediatrie** 1983 Sep;38(6):387–91 (Eng. Abstr.) **(Fre)**

[Symptomatology of the vascular ring in infants and young children] Ostojska J, et al. **Pediatr Pol** 1984 Jan;59(1):9–17 (Eng. Abstr.) **(Pol)**

[Takayasu disease] Saieh C, et al. **Rev Chil Pediatr** 1983 May–Jun;54(3):175–80 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Clinical use of captopril in Takayasu's disease. Grossman E, et al. **Arch Intern Med** 1984 Jan;144(1):95–6

Takayasu's arteritis: reversal of pulse deficit after early treatment with corticosteroids. Gardner JD, et al. **J Rheumatol** 1984 Feb;11(1):92–3

ETIOLOGY

Ankylosing spondylitis and an aortic arch syndrome. Hull RG, et al. **Br Heart J** 1984 Jun;51(6):663–5

FAMILIAL & GENETIC

Takayasu's disease in twin sisters. Enomoto S, et al. **Jpn Heart J** 1984 Jan;25(1):147–52

[Aortitis syndrome in a pair of monozygotic twins] Enomoto S, et al. **Nippon Naika Gakkai Zasshi** 1983 Nov; 72(11):1553–6 **(Jpn)**

IMMUNOLOGY

[Immunologic studies in patients with Takayasu's arteritis. II. Effects of serum on lymphocyte functions in vitro] Díaz–Jovanen E, et al. **Gac Med Mex** 1983 Dec; 119(12):511–8 **(Spa)**

PATHOLOGY

Direct involvement of intracerebral arteries in Takayasu's arteritis. Molnár P, et al. **Acta Neuropathol (Berl)** 1984; 63(1):83–6

Takayasu's truncoarteritis. Pulseless disease or aortitis syndrome. Nasu T. **Acta Pathol Jpn** 1982;32 Suppl 1:117–31 (25 ref.)

Takayasu's arteritis in pregnancy: a case presentation demonstrating the absence of placental pathology. Nagey DA, et al. **Am J Obstet Gynecol** 1983 Oct 15;147(4):463–5

Takayasu's arteritis of the upper extremities. A case report and review of literature. Al–Awami S, et al. **Angiology** 1984 Jun;35(6):383–8

Polymyalgia rheumatica and systemic giant cell arteritis. Bioptic findings of the subclavian arteries in a case of aortic arch syndrome. Di Giacomo V, et al. **Angiology** 1984 Aug; 35(8):528–33

Granulomatous coronary arteritis. Payan HM, et al. **Arch Pathol Lab Med** 1984 Feb;108(2):136–7

Primary arteriopathy in Takayasu's disease. Rose AG, et al. **Arch Pathol Lab Med** 1984 Aug;108(8):644–8

Localized Takayasu's disease producing coronary ostial lesions. Altieri PI, et al. **Bol Asoc Med PR** 1984 Apr; 76(4):168–9

Non specific aortoarteritis (Takayasu's disease). An immunologic and autopsy study. Chopra P, et al. **Jpn Heart J** 1983 Jul;24(4):549–56

Renal histological studies in patients with Takayasu's arteritis. Report of 3 cases. Takagi M, et al. **Nephron** 1984; 36(1):68–73

[Sudden death from natural cause: isolated involvement of a coronary vessel caused by arteritis of the Takayasu type] Krompecher T, et al. **Beitr Gerichtl Med** 1984;42:155–63 (Eng. Abstr.) **(Ger)**

[Our experience of the patient with dilating lesion in aortitis syndrome] Sato M, et al. **Rinsho Kyobu Geka** 1984 Jan; 4(1):37–44 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Clinical features and course of aortitis syndrome in Japanese women older than 40 years. Morooka S, et al. **Am J Cardiol** 1984 Mar 1;53(6):859–61

RADIOGRAPHY

The arteriographic manifestations of Takayasu's arteritis in children. Golding RL, et al. **Pediatr Radiol** 1977; 5(4):224–30

Occlusion of all aortic arch branches in a middle–aged man. Hekali P, et al. **ROFO** 1984 Aug;141(2):235–7

Transient aortic arch syndrome with dysphasia due to ergotism. Feneley MP, et al. **Stroke** 1983 Sep–Oct; 14(5):811–4

Occlusive thromboaortopathy (Takayasu's disease): cervical arterial stenoses, retinal arterial pressure, retinal microaneurysms and prognosis. Ishikawa K, et al. **Stroke** 1983 Sep–Oct;14(5):730–5

[A 7–years clinical course of a 41–year–old female patient with Takayasu disease] Minar E, et al. **Vasa** 1983; 12(4):383–9 (Eng. Abstr.) **(Ger)**

SURGERY

The total repair of interrupted arch complex in infants: the anterior approach. Turley K, et al. **Circulation** 1984 Sep; 70(3 Pt 2):I16–20

Aortitis syndrome treated by apico–aortic bypass procedure: case report. Minami K, et al. **Nippon Geka Hokan** 1983 Mar 1;52(2):244–55

[Coronary angiographic findings and surgical treatment of Takayasu disease] Endo M, et al. **Kokyu To Junkan** 1983 Jul;31(7):793–802 (Eng. Abstr.) **(Jpn)**

[Surgical management of aortitis syndrome associated with aortic coarctation] Minami K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Nov;31(11):2064–8 (Eng. Abstr.) **(Jpn)**

THERAPY

Transluminal dilatation for Takayasu's arteritis. Hodgins GW, et al. **Can J Surg** 1984 Jul;27(4):355–7

AORTIC COARCTATION

COMPLICATIONS

Bicuspid aortic valve morphology when associated with coarctation of the aorta. Folger GM Jr, et al. **Cathet Cardiovasc Diagn** 1984;10(1):17–25

Two–dimensional echocardiographic examination of mitral valve abnormalities associated with coarctation of the aorta. Celano V, et al. **Circulation** 1984 May;69(5):924–32

Tuberous sclerosis: unusual associations in four cases. Ilgren EB, et al. **J Clin Pathol** 1984 Mar;37(3):272–8

[Development of abdominal angina after successful surgical control of vasorenal hypertension associated with coarctation of the abdominal aorta] Pirk F, et al. **Cesk Gastroenterol Vyz** 1983 Dec;37(8):501–4 (Eng. Abstr.) **(Cze)**

[Coarctation of the aorta and Fallot's tetralogy. Apropos of 2 cases] Rey C, et al. **Arch Mal Coeur** 1984 May; 77(5):526–33 (Eng. Abstr.) **(Fre)**

[Coarctation of the aorta with abnormal systemic venous return] Belhaj M, et al. **Chirurgie** 1983;109(7):616–8 (Eng. Abstr.) **(Fre)**

[Atypic aortic coarctation in hypertension. Results of surgical treatment and late prognosis] Walter P, et al. **Vasa** 1983; 12(4):342–5 (Eng. Abstr.) **(Ger)**

[Combined occurrence of renovascular hypertension, coarctation of the abdominal aorta, occlusion of the coeliac and mesenteric arteries and kyphoscoliosis with neurofibromatosis—a case report] Sonkodi S, et al. **Wien Klin Wochenschr** 1984 Jan 6;96(1):34–6 (Eng. Abstr.) **(Ger)**

[X–ray diagnosis of aortic aneurysms and deformities after the surgical correction of coarctation] Ishchenko BI, et al. **Vestn Rentgenol Radiol** 1984 Jan–Feb;(1):61–6 (Eng. Abstr.) **(Rus)**

[A rare case of aortic coarctation] Simkovic I, et al. **Rozhl Chir** 1984 Mar;63(3):159–63 (Eng. Abstr.) **(Slo)**

[Ulrich–Noonan syndrome associated with coarctation of the aorta. Presentation of a new case (letter)] García Fernández F, et al. **Med Clin (Barc)** 1983 Sep 10;81(6):278–9 **(Spa)**

[Aortic coarctation – a neglected cause of hypertension?] Svensson A, et al. **Lakartidningen** 1983 Nov 16; 80(46):4398–400 **(Swe)**

DIAGNOSIS

Cross–sectional echocardiographic assessment of coarctation in the sick neonate and infant. Smallhorn JF, et al. **Br Heart J** 1983 Oct;50(4):349–61

Use of continuous wave Doppler ultrasound velocimetry to assess the severity of coarctation of the aorta by measurement of aortic flow velocities. Wyse RK, et al. **Br Heart J** 1984 Sep;52(3):278–83

Echocardiographic and hemodynamic findings in isolated symptomatic coarctation of the aorta in infancy. Mace SE, et al. **Cathet Cardiovasc Diagn** 1983;9(4):363–72

Origin of the left coronary artery from the right pulmonary artery. Bharati S, et al. **J Am Coll Cardiol** 1984 Jun; 3(6):1565–9

Serial two–dimensional echocardiography for detection of coarctation of the aorta in the postnatal period. Grenadier E, et al. **Pediatr Cardiol** 1983 Oct–Dec;4(4):285–7

[Diagnosis and evaluation of isthmic coarctations of the aorta by bidimensional echocardiography] Bejean–Lebuisson A, et al. **Sem Hop Paris** 1983 Sep 15;59(32):2245–8 (Eng. Abstr.) **(Fre)**

[Pseudocoarctation caused by a calcified intra–aortic mass] Borromée L, et al. **Sem Hop Paris** 1983 Nov 10; 59(41):2827–30 (Eng. Abstr.) **(Fre)**

[Usefulness of measurement of the capillary blood PO2 in diagnosis of interruption or coarctation of the aorta] Nakagawa M, et al. **Kokyu To Junkan** 1984 May; 32(5):499–502 (Eng. Abstr.) **(Jpn)**

[Diagnostic problems in atresia and hypoplasia of the aortic arch with systemic right ventricle] Olczykowska–Siara E, et al. **Pediatr Pol** 1983 Jun;58(6):537–42 **(Pol)**

[Early detection and observation of the evolution of congenital malformations of the aorta in newborn infants, infants and young children] Swiderski J, et al. **Probl Med Wieku Rozwoj** 1979;8:133–43 (Eng. Abstr.) **(Pol)**

[Coarctation of the aorta as a diagnostic problem] Stojiljković J, et al. **Srp Arh Celok Lek** 1983 May;111(5):669–74 **(Scc)**

ETIOLOGY

Acquired aortic coarctation due to posttuberculotic gibbous formation. Reidemeister JC, et al. **Thorac Cardiovasc Surg** 1984 Feb;32(1):54–6

PATHOLOGY

Muscle substrate levels, muscle enzyme activities and muscle morphology in the vastus lateralis and deltoideus muscles in normal children and in children with coarctation of the aorta. Eriksson BO, et al. **Acta Paediatr Scand** 1983 Nov; 72(6):843–7

Coarctation of the aorta or subaortic stenosis with atrioventricular septal defect. Gow RM, et al. **Am J Cardiol** 1984 May 15;53(10):1421–8

Complete transposition of the great arteries and coarctation of the aorta. Vogel M, et al. **Am J Cardiol** 1984 Jun 1;

53(11):1627–32

Coarctation of the aorta of unusual morphology. Poulias GE, et al. **J Cardiovasc Surg (Torino)** 1984 May–Jun;25(3):211–5

Histo–anatomical backgrounds of subclavian flap aortoplasty in coarctation of the aorta. van Meurs–van Woezik H, et al. **Thorac Cardiovasc Surg** 1984 Apr;32(2):72–7

[Double isthmic coarctation of the aorta. Presentation of a case treated surgically] Sala A, et al. **Minerva Cardioangiol** 1983 Sep;31(9):491–3 (Eng. Abstr.) **(Ita)**

[Angioarchitectonics of eyeball blood vessels in the normal dog and in dogs with experimental coarctation of the aorta] Stepanov VS, et al. **Arkh Anat Gistol Embriol** 1984 Mar; 86(3):46–54 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

R–wave amplitude changes during exercise in adolescents with left ventricular pressure and volume overload. Wright S, et al. **Am J Cardiol** 1983 Oct 1;52(7):841–6

Expiration induced femoral flow in neonatal coarctation of aorta. McNicholl B, et al. **Arch Dis Child** 1983 Sep; 58(9):741–2

Resting and exercise renal blood flows in immature ovine aortic coarctation. Impact of gradient relief. Lock JE, et al. **Circ Res** 1983 Nov;53(5):644–54

The significance of femoral pulses in coarctation of the aorta. Novitzky D, et al. **S Afr Med J** 1984 May 12;65(19):755–7

On the pathogenesis of coarctational hypertension. Sehested J. **Scand J Thorac Cardiovasc Surg [Suppl]** 1984;35:1–48

RADIOGRAPHY

Coarctation of the aorta and renal artery stenosis in tuberous sclerosis. Flynn PM, et al. **Pediatr Radiol** 1984;14(5):337–9

[A rare anomaly of the abdominal aorta and its branches. A case report with angiography and embryological consideration] Kajiwara T, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1983 Nov 25; 43(11):1255–9 (Eng. Abstr.) **(Jpn)**

[Coarctation of the abdominal aorta—angiographic study] Oulton C, et al. **Rev Fac Cien Med Univ Nac Cordoba** 1983; 41(1):15–8 (Eng. Abstr.) **(Spa)**

SURGERY

Synthetic patch aortoplasty. A simplified approach for coarctation in repairs during early infancy and thereafter. Yee ES, et al. **Am J Surg** 1984 Aug;148(2):240–3

Reoperation for aortic coarctation. Foster ED. **Ann Thorac Surg** 1984 Jul;38(1):81–9 (40 ref.)

Reversed subclavian flap angioplasty for arch coarctation of the aorta. Hart JC, et al. **Ann Thorac Surg** 1983 Dec; 36(6):715–7

Ascending–distal abdominal aorta bypass for treatment of hypoplastic aortic arch and atypical coarctation in the adult. Robicsek F, et al. **Ann Thorac Surg** 1984 Mar; 37(3):261–3

Growth of the aorta after prosthetic patch aortoplasty for coarctation in infants. Sade RM, et al. **Ann Thorac Surg** 1984 Jul;38(1):21–5

Anomalous right subclavian artery and coarctation of the aorta. Surgical implications and the use of the right subclavian artery as a flap. Odell JA, et al. **Br Heart J** 1984 Jun;51(6):666–9

Spinal cord injury associated with hyperthermia during aortic coarctation repair. Crawford FA Jr, et al. **J Thorac Cardiovasc Surg** 1984 Apr;87(4):616–8

Subclavian flap repair of coarctation of the aorta in neonates. Realization of growth potential? Moulton AL, et al. **J Thorac Cardiovasc Surg** 1984 Feb;87(2):220–35

Surgical management of severe coarctation of the aorta in the first month of life. Nair UR, et al. **J Thorac Cardiovasc Surg** 1983 Oct;86(4):587–90

Subclavian arterioplasty. Repair of coarctation of the aorta in the first year of life. Penkoske PA, et al. **J Thorac Cardiovasc Surg** 1984 Jun;87(6):894–900

Turner's syndrome and coarctation of the aorta: case report. Camunas JA, et al. **Milit Med** 1983 Aug;148(8):689

Patch graft aortoplasty for repair of coarctation of the aorta in infants under 1 year of age. Levin SE, et al. **S Afr Med J** 1983 Sep 28;64(14):535–8

Coarctation of the aorta in infants under 1 year of age. Novitzky D, et al. **S Afr Med J** 1983 Dec 3;64(24):934–6

Cerebral infarction secondary to unsuspected intracranial fibromuscular dysplasia following bypass of aortic coarctation. Malloy DS, et al. **Stroke** 1984 Sep–Oct; 15(5):908–11

Late aneurysms after patch aortoplasty for coarctation of the aorta in adults. Ala–Kulju K, et al. **Thorac Cardiovasc Surg** 1983 Oct;31(5):301–6

[Bridging of the thoracic aorta with a prosthesis placed as a so–called ventral aorta] Firt P, et al. **Rozhl Chir** 1984 Feb;63(2):104–8 (Eng. Abstr.) **(Cze)**

[Surgical treatment of coarction of the aorta in infants] Alstrup P, et al. **Ugeskr Laeger** 1984 Feb 6;146(6):423–7 (Eng. Abstr.) **(Dan)**

[Choice of the ascending aorta as the proximal site for implantation of an aorto–aortic bypass. Apropos of 2 cases] Heynen YG, et al. **Ann Chir** 1984 Mar;38(2):134–8 (Eng. Abstr.) **(Fre)**

[Results of the repair of isolated aortic coarctation in the 1st 6 months of life. Apropos of 46 cases] Laborde F, et al. **Ann Chir** 1984 Mar;38(2):141–4 (Eng. Abstr.) **(Fre)**

[Outcome of infants operated on for aortic coarctation before 3 months of age] Tillous–Borde I, et al. **Arch Fr Pediatr** 1984 May;41(5):323–8 (Eng. Abstr.) **(Fre)**

[Rupture of a dissecting aneurysm of the ascending aorta 10 years after therapy of coarctation. Apropos of a case of a 10–year–old girl] Laborde F, et al. **Sem Hop Paris** 1983 Nov 17;59(42):2937–8 (Eng. Abstr.) **(Fre)**

[Choice of time for operation of coarctation of the aorta in childhood] Heidrich L, et al. **Zentralbl Chir** 1984; 109(4):283–9 **(Ger)**

[Surgical treatment of aortic isthmus stenosis in adults] Stapenhorst K. **Zentralbl Chir** 1983;108(22):1401–6 (Eng. Abstr.) **(Ger)**

[Surgical treatment of isthmic coarctation of the aorta by left subclavian artery post–isthmic aortic by–pass] Casarotto D, et al. **G Ital Cardiol** 1983;14(1):21–4 (Eng. Abstr.) **(Ita)**

[Surgical management of aortitis syndrome associated with aortic coarctation] Minami K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Nov;31(11):2064–8 (Eng. Abstr.) **(Jpn)**

[Surgical management of coarctation of the aorta and interrupted aortic arch in infancy] Muraoka R, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Jun;31(6):851–6 (Eng. Abstr.) **(Jpn)**

[Surgery of aortic coarctation in infants] Tsunemoto M, et al. **Rinsho Kyobu Geka** 1983 May;3(3):269–72 **(Jpn)**

[Simultaneous surgical treatment of aortic coarctation and coronary insufficiency. Report of a case] Gontijo Filho B, et al. **Arq Bras Cardiol** 1983 Dec;41(6):459–62 (Eng. Abstr.) **(Por)**

[Surgical treatment of aortic coarctation associated with aortic defects] Konstantinov BA, et al. **Grudn Khir** 1984 Jan–Feb;(1):9–13 (Eng. Abstr.) **(Rus)**

[Surgical treatment of the combination of aortic coartation and congenital mitral valve stenosis] Sitar LL, et al. **Grudn Khir** 1983 Nov–Dec;(6):75–6 **(Rus)**

[Surgical treatment of aortic coarctation in childhood and adolescence] Chernyshev VN, et al. **Khirurgiia (Mosk)** 1983 Dec;(12):33–7 (Eng. Abstr.) **(Rus)**

[Successful replacement of the entire ascending aorta and its valve by reimplantation of the opening of the coronary artery in a patient with aortic coarctation associated with Marfan's syndrome] Jablanov J, et al. **Vojnosanit Pregl** 1984 Jan–Feb;41(1):46–8 **(Scr)**

[Residual arterial hypertension in coartectomized patients. Pathogenetic role of the renin–angiotensin–aldosterone system and of residual isthmic stenosis] Carazo Carazo M, et al. **Rev Esp Cardiol** 1983;36(3):193–7 (Eng. Abstr.) **(Spa)**

THERAPY

Transluminal angioplasty of aortic coarctation with a two–balloon technique. D'Souza VJ, et al. **Am J Cardiol** 1984 Aug 1;54(3):457–8

Balloon coarctation angioplasty in an adult. Lababidi Z, et al. **Am J Cardiol** 1984 Jan 15;53(2):350–1

Percutaneous balloon angioplasty. Treatment for congenital coarctation of the aorta and congenital valval pulmonic stenosis. Brodsky SJ. **Am J Dis Child** 1984 Sep;138(9):851–4

Balloon catheter dilatation of coarctation of the aorta in young infants. Finley JP, et al. **Br Heart J** 1983 Nov; 50(5):411–5

Treatment of restenosis of coarctation by percutaneous transluminal angioplasty. Kan JS, et al. **Circulation** 1983 Nov;68(5):1087–94

[Transluminal angioplasty with the Grüntzig catheter in aortic coarctation] Pérez Martínez VM, et al. **Rev Esp Cardiol** 1983;36(4):341–4 (Eng. Abstr.) **(Spa)**

AORTIC DISEASES

CHEMICALLY INDUCED

[Acute thrombosis of the aortic bifurcation caused by heparin allergy. Apropos of 5 cases] Viard P, et al. **J Chir (Paris)** 1983 Nov;120(11):643–6 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Visceral embolization during low–dose fibrinolysis of aortic graft occlusion. Wood WA, et al. **AJR** 1983 Nov; 141(5):1055–6

Mitral valve prolapse and aortic dilatation in the fragile X syndrome. Hagerman RJ, et al. **Am J Med Genet** 1984 Jan; 17(1):123–31

Cardiovascular pathology in dialysis patients with spinal cord injury. Pahl MV, et al. **Artif Organs** 1983 Nov;7(4):416–9

Aortocaval fistula with aortic aneurysm [letter] **Br J Surg** 1983 Dec;70(12):745–6

Paraplegia following saddle embolism. Dickson AP, et al. **Br J Surg** 1984 Apr;71(4):321

Aortocaval fistula [letter] Goodman C, et al. **Br J Surg** 1984 Jan;71(1):81

Aortobronchial fistula causing hemoptysis in a patient with a Dacron aortic patch graft: report of a case. Otte G, et al. **J Am Osteopath Assoc** 1984 Feb;83(6):442–5

Asymptomatic vena caval fistulization complicating abdominal aortic aneurysm. Weinbaum FI, et al. **Surgery** 1984 Jul;96(1):126–8

[Dysphagia caused by compression of the esophagus by the aorta] De Marchi C, et al. **Minerva Chir** 1983 Sep 30; 38(18):1347–50 (Eng. Abstr.) **(Ita)**

[Multi–distributed ischemia and degree of hemorrheological changes] Sergio G, et al. **Ric Clin Lab** 1983;13 Suppl 3:427–30 (Eng. Abstr.) **(Ita)**

[Diagnosis and treatment of sexual function disorders among men with aorto–iliac occlusions] Driuk NF, et al. **Klin Khir** 1984 Jul;(7):53–6 (Eng. Abstr.) **(Rus)**

[Case of myocardial infarct in a patient as a result of occlusion of the left coronary artery by an intra–aortic tumor] Zapuzin VP, et al. **Ter Arkh** 1983;55(11):135–6 **(Rus)**

[Gastrointestinal hemorrhage caused by fistula of the abdominal aorta and duodenal diverticulum] Mulambetov DIa, et al. **Vestn Khir** 1983 Dec;131(12):54–5 **(Rus)**

CONGENITAL

Congenital aortic thrombosis with complete obliteration of the aortic arch and the great vessels. Ahmadi A, et al. **Thorac Cardiovasc Surg** 1983 Aug;31(4):256–9

DIAGNOSIS

Arteriographic, Doppler and surgical evaluation of aorto iliac disease and arterial insufficiency of the lower limbs. Grosjean O, et al. **Acta Chir Belg** 1983 Sep–Oct; 83(5):309–18

Sonographic demonstration of buckling of the great vessels of the neck. Subramanyam BR, et al. **AJR** 1984 Jun; 142(6):1111–3

Is femoral pulse palpation accurate in assessing the hemodynamic significance of aortoiliac occlusive disease? Sobinsky KR, et al. **Am J Surg** 1984 Aug;148(2):214–6

The clinician and the vascular laboratory in the diagnosis of aortoiliac stenosis. Campbell WB, et al. **Br J Surg** 1984 Apr;71(4):302–6

Preoperative hemodynamic evaluation of aortoiliac occlusive disease: correlation with intraoperative measurements. Schwartz JA, et al. **Curr Surg** 1983 Jul–Aug;40(4):278–81

Saddle embolism in a young male [letter] Jain NC, et al. **J Assoc Physicians India** 1983 Aug;31(8):551

Different degrees of atherosclerosis detected by backscattered ultrasound: an in vitro study on fixed human aortic walls. Picano E, et al. **JCU** 1983 Sep;11(7):375–9

Endoscopic visualization of an intraluminal dacron graft: definitive diagnosis of aortoduodenal fistula. Bunt TJ, et al. **South Med J** 1984 Jan;77(1):86–7

[Aortoduodenal fistula] Elberg JJ, et al. **Ugeskr Laeger** 1983 Jul 25;145(30):2310–1 (Eng. Abstr.) **(Dan)**

[Spontaneous rupture of the ascending aorta. Rare form of parietal ulceration on angiography, with pericardial effusion] Le Moigne A, et al. **J Radiol** 1984 May; 65(5):397–400 (Eng. Abstr.) **(Fre)**

[Reproducibility of repeated measurements using M–mode echocardiography, radionuclide ventriculoradiography and systolic time intervals] Schmoliner R, et al. **Z Kardiol** 1984 Mar;73(3):151–8 (Eng. Abstr.) **(Ger)**

[Detection of gas bubbles in the pulmonary artery and aorta of dogs by ultrasonic echography after intravenous infusion of air] Nikolaev VP, et al. **Kosm Biol Aviakosm Med** 1983 Sep–Oct;17(5):61–5 (Eng. Abstr.) **(Rus)**

[A rare case of aortic coarctation] Simkovic I, et al. **Rozhl Chir** 1984 Mar;63(3):159–63 (Eng. Abstr.) **(Slo)**

[Pheochromocytoma of the organ of Zuckerkandl] González Martínez J, et al. **Rev Esp Enferm Apar Dig** 1983 Sep; 64(3):210–4 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Combined effects of cholestyramine and probucol on regression of atherosclerosis in rhesus monkey aortas. Wissler RW, et al. **Appl Pathol** 1983;1(2):89–96

[1–ethoxysilatrane—an inhibitor of the development of experimental atherosclerotic lesion of the aorta] Konova NS, et al. **Dokl Akad Nauk SSSR** 1984;276(3):757–9 **(Rus)**

ETIOLOGY

Acute lymphoblastic leukemia manifested as aortic occlusion. Brinson RR, et al. **Am J Med** 1984 Aug;77(2):385–7

Tension pneumoperitoneum. A cause of acute aortic occlusion. Olinde AJ, et al. **Arch Surg** 1983 Nov; 118(11):1347–50

Aorto–intestinal fistula after reconstructive arterial surgery. Burri B, et al. **Int Surg** 1983 Jul–Sep;68(3):277–8

Occlusive and aneurysmal aortoiliac disease. Dealing with the consequences of atherosclerosis. Graor RA. **Postgrad Med** 1984 May 15;75(7):61–72

Penetrating peptic ulcer and aortic aneurysm with aortogastric fistula. Jensen MH, et al. **Surgery** 1984 Jun; 95(6):756–8

Cardiac echinococcosis and systemic embolism. Report of a case. Madariaga I, et al. **Thorac Cardiovasc Surg** 1984 Feb;32(1):57–9

Rupture of an aneurysm of the sinus of Valsalva into the superior vena cava. Kaye GC, et al. **Thorax** 1984 Jun; 39(6):475–6

[Aorto–caval fistula secondary to rupture of an abdominal aortic aneurysm] Krasnik M, et al. **Ugeskr Laeger** 1984 Apr 2;146(14):1053–4 (Eng. Abstr.) **(Dan)**

[2 cases of aortocaval fistula] Vilarem D, et al. **Ann Cardiol Angeiol (Paris)** 1984 Feb–Mar;33(2):109–12

(Eng. Abstr.) (Fre)
[Aorto-esophageal fistula secondary to a perforation of the esophagus by a foreign body] Quandalle P, et al. **Ann Chir** 1984 Mar;38(2):159–61 (Eng. Abstr.) (Fre)
[Aorto-enteric and paraprosthetic fistulas. Apropos of 5 cases] Glock Y, et al. **J Chir (Paris)** 1984 May;121(5):347–53 (Eng. Abstr.) (Fre)
[Associated compression of the celiac trunk, superior mesenteric artery and aorta by the arcuate ligament of the diaphragm] Bacourt F, et al. **Presse Med** 1984 Mar 24; 13(12):731–2 (Eng. Abstr.) (Fre)
[Aorto-enteric fistulas] Bacourt F. **Presse Med** 1984 Jun 2; 13(23):1447–51 (Eng. Abstr.) (Fre)
[Adventitial cyst of the aorta] Kitzis M, et al. **Sem Hop Paris** 1983 Nov 10;59(41):2857–60 (Eng. Abstr.) (Fre)
[Erosion hemorrhage from an esophago-aortic fistula in congenital anomaly of the thoracic aorta as a fatal complication of a stomach tube] Jungck E, et al. **Anaesthesist** 1983 Oct;32(10):498–500 (Eng. Abstr.) (Ger)
[Aorto-enteric fistula as a rare complication of reconstructive surgery of the abdominal aorta] Pegoraro M, et al. **Minerva Cardioangiol** 1984 Mar;32(3):113–8 (Eng. Abstr.) (Ita)
[Primary aorto-enteral fistula] Jensen MH, et al. **Tidsskr Nor Laegeforen** 1984 May 30;104(15):1051–2 (Eng. Abstr.) (Nor)
[Saphenous vein bypass from aorta to coronary vein accidentally performed: diagnostic aspects. Report of a case] Cardoso CR. **Arq Bras Cardiol** 1983 Dec;41(6):455–7 (Eng. Abstr.) (Por)
[Role of the monocytes and IgG in the development of atherosclerotic lesions in the aorta of rabbits] Nagornev VA, et al. **Arkh Patol** 1983;45(6):19–26 (Eng. Abstr.) (Rus)
[Circulating antibodies to aortic elastin and their significance in human arteriosclerosis] Ivanovskil IuV, et al. **Patol Fiziol Eksp Ter** 1983 Jul–Aug;(4):61–4 (Eng. Abstr.) (Rus)
[Effect of dietary protein content on the structure of blood vessels] Pozdniakov AL, et al. **Vopr Pitan** 1983 Sep–Oct; (5):23–8 (Eng. Abstr.) (Rus)

METABOLISM

Heart cyclic nucleotide responses to sustained aortic constriction in neonatal and adult rats. Dowell RT, et al. **Am J Physiol** 1984 Feb;246(2 Pt 2):H197–206
Effects of meclofenamate on the renin response to aortic constriction in the rat. Villarreal D, et al. **Am J Physiol** 1984 Sep;247(3 Pt 2):R546–51
Collagen types in normal and atherosclerotic human aorta. Dahiya R, et al. **Indian Heart J** 1983 Nov–Dec;35(6):326–8
[Decrease in the lipid content of human atherosclerotic aorta cells as affected by compounds increasing the intracellular level of cyclic AMP] Tertov VV, et al. **Biull Eksp Biol Med** 1984 Feb;97(2):157–8 (Eng. Abstr.) (Rus)

MORTALITY

Interrupted aortic arch [letter] Fishman NH. **J Thorac Cardiovasc Surg** 1984 Feb;87(2):320
[Causes of mortality in embolism of the aorta and major arteries of the extremities] Poluéktov LV, et al. **Khirurgiia (Mosk)** 1984 May;(5):46–9 (Eng. Abstr.) (Rus)

OCCURRENCE

Bone changes and aortic calcification in aging inhabitants of mountain versus seacoast communities in the Kii Peninsula. Fujita T, et al. **J Am Geriatr Soc** 1984 Feb; 32(2):124–8

PATHOLOGY

Correlations of aortic histology with gross aortic atherosclerosis and metabolic measurements in diabetic and nondiabetic Macaca nigra. Howard CF Jr, et al. **Atherosclerosis** 1984 Jul;52(1):85–100
Primary metastasizing aortic endothelioma. Schmid E, et al. **Cancer** 1984 Oct 1;54(7):1407–11
Population dynamics of arterial cells during atherogenesis. XIII. Mitogenic and cytotoxic effects of a hyperlipidemic (HL) diet on cells in advanced lesions in the abdominal aortas of swine fed an HL diet for 270–345 days. Thomas WA, et al. **Exp Mol Pathol** 1983 Dec;39(3):257–70
Aortic thrombosis in the newborn infant. Tugrul Kural I, et al. **J Cardiovasc Surg (Torino)** 1984 May–Jun;25(3):246–8
Aortocoronary paraganglioma. Anatomic relationship of left coronary artery to paraganglia of aorta. Orenstein HH, et al. **NY State J Med** 1984 Jan;84(1):33–6
[Aortic dissection] Jauslin PA. **Rev Med Suisse Romande** 1984 Feb;104(2):169–72 (Fre)
[Morphometric studies of idiopathic medial necrosis] Schnapka G, et al. **Pathologe** 1983 Nov;4(6):303–6 (Ger)
[Combined histochemical and histostereometric evaluation of the morphogenesis of human aortic atherosclerotic plaques] Avtandilov GG, et al. **Arkh Patol** 1983;45(7):64–6 (Eng. Abstr.) (Rus)
[Morphogenesis of early pre-lipid stages of atherosclerosis] Vikhert AM, et al. **Arkh Patol** 1983;45(6):3–13 (Eng. Abstr.) (Rus)
[Clinico-pathomorphological changes in the spinal cord in chronic occlusion of the abdominal aorta and its branches] Kotova IP. **Zh Nevropatol Psikhiatr** 1984;84(7):1024–7 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

Hemodynamic modification of aortic atherosclerosis. Effects of propranolol vs hydralazine in hypertensive hyperlipidemic rabbits. Spence JD, et al. **Atherosclerosis** 1984 Mar;50(3):325–33
Left ventricular adaptation to sustained pressure overload in the conscious dog. Crozatier B, et al. **Circ Res** 1984 Jan;54(1):21–9
Left ventricular relaxation at rest and during handgrip in aortic valve disease before and after valve replacement. Deuel W, et al. **Eur Heart J** 1983 Aug;4(8):592–8
Multiple aortic root echoes: clinical, radiographic, and angiographic correlations. Butman S, et al. **JCU** 1984 May; 12(4):187–94
[Study of iliac arterial axes by Doppler ultrasonography during hyperemia induced by walking and arterial occlusion] Petermans J, et al. **J Mal Vasc** 1983;8(3):245–7 (Eng. Abstr.) (Fre)
[Clinico-functional characteristics of the large intestine in abdominal arteriosclerosis] Murashko VV, et al. **Vrach Delo** 1984 Jul;(7):13–6 (Eng. Abstr.) (Rus)

PREVENTION & CONTROL

Effect of exercise and guanethidine on plasma cholesterol and aortic atherosclerosis of atherogenic-fed cockerels. Orimilikwe SO, et al. **Artery** 1983;12(1):60–73
Phosphocitrate and its analogue N-sulpho-2-amino tricarballylate inhibit aortic calcification. Shankar R, et al. **Atherosclerosis** 1984 Aug;52(2):191–8

RADIOGRAPHY

ECG-synchronized DSA exposure control: improved cervicothoracic image quality. Kelly WM, et al. **AJR** 1984 Oct;143(4):857–60
The three types of aortic diverticula. Salomonowitz E, et al. **AJR** 1984 Apr;142(4):673–9
New computed tomographic signs of aortoenteric fistula. Kukora JS, et al. **Arch Surg** 1984 Sep;119(9):1073–5
Intravenous digital subtraction angiography of the thoracic and abdominal aorta. Boxt LM. **Cardiovasc Intervent Radiol** 1983;6(4–6):205–13
Digital subtraction angiography of the chest. Feldman L. **Clin Chest Med** 1984 Jun;5(2):313–28
Spontaneous aorto-caval fistulae. Gregson RH, et al. **Clin Radiol** 1983 Nov;34(6):683–7
Dissecting hematoma presents as acute lower limb ischemia: diagnostic patient profile and management. Shah PM, et al. **J Cardiovasc Surg (Torino)** 1983 Nov–Dec;24(6):649–53
[Value of digital angiography via a vein in the diagnosis of an atheromatous aneurysm of the subrenal aorta ruptured into the inferior vena cava] Pernes JM, et al. **J Mal Vasc** 1983;8(4):301–5 (Eng. Abstr.) (Fre)
[Digital radiology] Robillard P, et al. **Union Med Can** 1983 Oct;112(10):930–4 (Eng. Abstr.) (Fre)
[Preoperative intra-arterial digital subtraction angiography in aortoiliac vascular occlusion] Busch P, et al. **Langenbecks Arch Chir** 1983;360(4):287–93 (Eng. Abstr.) (Ger)
[X-ray-angiographic studies in the diagnosis of occlusive lesions of the major arteries of the lower extremities] Rizaev MN, et al. **Klin Khir** 1983 Jul;(7):51–3 (Eng. Abstr.) (Rus)
[X-ray diagnosis of aortic aneurysms and deformities after the surgical correction of coarctation] Ishchenko BI, et al. **Vestn Rentgenol Radiol** 1984 Jan–Feb;(1):61–6 (Eng. Abstr.) (Rus)

RADIONUCLIDE IMAGING

[Radionuclide tests of various arterial diseases] Funaki R, et al. **Rinsho Hoshasen** 1981 Dec;26(13):1425–8 (Eng. Abstr.) (Jpn)

SURGERY

Aortoiliac reconstruction combined with nonvascular operations. Thomas JH, et al. **Am J Surg** 1983 Dec; 146(6):784–7
Radionuclide assessment of cardiac function. Pre-operative evaluation of patients with abdominal aortic occlusive disease undergoing aortobifemoral bypass grafting. Commin P, et al. **Anaesthesia** 1984 Apr;39(4):319–23
Management of the calcified aorta: an alternative method of occlusion. Cosgrove DM. **Ann Thorac Surg** 1983 Dec; 36(6):718–9
Experimental and clinical assessment of the adequacy of partial bypass in maintenance of spinal cord blood flow during operations on the thoracic aorta. Laschinger JC, et al. **Ann Thorac Surg** 1983 Oct;36(4):417–26
The surgical management of extravalvular aortic root infection. Sethia B, et al. **Ann Thorac Surg** 1984 Jun; 37(6):484–7
Survival following aggressive treatment of secondary aortocolonic fistula. Hatton PD, et al. **Arch Surg** 1984 Oct; 119(10):1208–9
The importance of abdominal wall collateral blood vessels. Planning incisions and obtaining arteriography. Krupski WC, et al. **Arch Surg** 1984 Jul;119(7):854–7
Repair of an iatrogenic aortoatrial fistula. Ladowski JS, et al. **Cathet Cardiovasc Diagn** 1984;10(1):43–6
Successful surgical treatment of prosthetic valve endocarditis and aortic root abscesses. Abe T, et al. **Chest** 1984 Jun; 85(6):832–4
Use of profound hypothermia and circulatory arrest for the calcified aorta. Jacobowitz IJ, et al. **Chest** 1984 Feb; 85(2):288–9
Bypass procedures in the management of juxtarenal aortic occlusion. Agrifoglio G, et al. **J Cardiovasc Surg (Torino)** 1984 Jan–Feb;25(1):43–6
Preoperative diagnosis and management of the hypoplastic vessel syndrome. Ameli FM, et al. **J Cardiovasc Surg (Torino)** 1983 Nov–Dec;24(6):654–7
High aortoiliac occlusion: treatment with thoracic aorta to femoral arterial bypass. Lakner G, et al. **J Cardiovasc Surg (Torino)** 1983 Sep–Oct;24(5):532–4
Aorto-iliac reconstruction with Dacron double velour. Lindenauer SM, et al. **J Cardiovasc Surg (Torino)** 1984 Jan–Feb;25(1):36–42
Sexual function after aorto-iliac vascular reconstruction. Which is more important, the internal iliac artery or hypogastric nerve? Ohshiro T, et al. **J Cardiovasc Surg (Torino)** 1984 Jan–Feb;25(1):47–50
Case report: extra-anatomic bypasses in aortoenteric fistulas. Antinori CH, et al. **J Med Soc NJ** 1984 May;81(5):393–5
Coronary revascularization in the presence of ascending aortic calcification: use of an internal mammary artery-saphenous vein composite graft. Murphy DA, et al. **J Thorac Cardiovasc Surg** 1984 May;87(5):789–91
Compound grafts of xenopericardium and Dacron fabric for repair or replacement of great vessels: a method to avoid interstitial and suture hole bleeding. Nuñez L, et al. **J Thorac Cardiovasc Surg** 1984 Feb;87(2):313–5
Cardiac and renal responses to cross-clamping of the descending thoracic aorta. Roberts AJ, et al. **J Thorac Cardiovasc Surg** 1983 Nov;86(5):732–41
Far-ultraviolet laser ablation of atherosclerotic lesions. Linsker R, et al. **Lasers Surg Med** 1984;4(2):201–6
Primary aortoduodenal fistula: manifestation, diagnosis, and treatment. Sweeney MS, et al. **Surgery** 1984 Sep; 96(3):492–7
Acquired aorto-pulmonary fistula—case report. Keenan DJ, et al. **Thorac Cardiovasc Surg** 1984 Jun;32(3):190–2
[Use of autotransfusion in planned cardiovascular surgery] Topalov I, et al. **Khirurgiia (Sofiia)** 1983;36(5):419–23 (Eng. Abstr.) (Bul)
[Should patients with aortofemoral surgery be monitored? The value of digital angiography using the venous approach] Bensimon JL, et al. **Acta Belg Med Phys** 1983 Jul–Sep;6(3):121–5 (Fre)
[Surgical treatment of atherosclerotic arteriopathies of aortoiliac location] Langeron P, et al. **Acta Belg Med Phys** 1983 Jul–Sep;6(3):101–5 (Fre)
[Detection of risk factors. Prevention of complications of surgery of the aortic bifurcation] Degoute CS, et al. **Chirurgie** 1984;110(3):249–54 (Eng. Abstr.) (Fre)
[Aorto-duodenal fistulas after prosthetic surgery of the abdominal aorta. Experience with 12 cases (letter)] Thévenet A, et al. **Chirurgie** 1983;109(8):665–7 (Fre)
[Computer tomography diagnosis following vascular reconstructions in the abdominal area] Rotte KH, et al. **Radiol Diagn (Berl)** 1984;25(1):47–52 (Eng. Abstr.) (Ger)
[Re-interventions in aorto-iliac vascular surgery] Scintu F, et al. **Minerva Cardioangiol** 1983 Nov;31(11):647–51 (Eng. Abstr.) (Ita)
[Aorto-iliaco-femoral extraperitoneal approach by thromboendarterectomy] Agrifoglio G, et al. **Minerva Chir** 1983 Oct 15;38(19):1405–8 (Ita)
[Control of the adequacy of infusion therapy after operations on the major blood vessels] Ashurov BM, et al. **Khirurgiia (Mosk)** 1983 Dec;(12):49–54 (Eng. Abstr.) (Rus)
[Effect of surgery of the abdominal aorta on blood flow in the inferior mesenteric artery] Tkhor SN, et al. **Khirurgiia (Mosk)** 1984 May;(5):28–31 (Eng. Abstr.) (Rus)
[Acute postoperative thrombosis of the aorta, its branches and the major veins in emergency vascular surgery] Avgust VK. **Klin Khir** 1983 Jul;(7):65–7 (Rus)
[Surgical treatment of arteriosclerosis obliterans of the aorta and iliac arteries] Bondarenko NM, et al. **Klin Khir** 1984 Jun;(6):66–7 (Rus)
[Biochemical conformity of vascular transplants to the arteries in the zone of reconstruction] Karvanen ES. **Klin Khir** 1984 Jul;(7):19–22 (Eng. Abstr.) (Rus)
[Risk factors for disorders in renal and upper urinary tract function after reconstructive surgery for occlusive lesions of the aorto-iliac segment] Khakimov ShSh. **Klin Khir** 1983 Dec;(12):18–20 (Eng. Abstr.) (Rus)
[Aorto-deep femoral reconstruction in patients with severe ischemia of the lower extremities] Kobza II. **Klin Khir** 1984 Jul;(7):49–51 (Eng. Abstr.) (Rus)
[Experience with the surgical treatment of patients with emboli of the aorta and major vessels of the extremities] Matel VM, et al. **Klin Khir** 1984 Jul;(7):74 (Rus)
[Repeated surgical interventions in reocclusions of major arteries of the aorto-iliac and femoro-popliteal segments] Rotkov IL, et al. **Klin Khir** 1983 Jul;(7):68–9 (Rus)
[Reconstructive surgery in obliterating atherosclerosis of the abdominal aorta and iliac arteries] Satmari VV, et al. **Klin Khir** 1984 Jul;(7):51–2 (Eng. Abstr.) (Rus)

[Surgical tactics in acute thromboembolism of the abdominal aorta and major arteries of the extremities] Shalimov AA, et al. **Klin Khir** 1984 Jul;(7):1–5 (Eng. Abstr.) **(Rus)**

[Reconstructive surgery in the treatment of obliterating diseases of the aorta and vessels of the ileo–femoral segment] Sukharev II, et al. **Klin Khir** 1983 Jul;(7):49–51 (Eng. Abstr.) **(Rus)**

[Optimization of the surgical treatment of patients with emboli of the aorta and major vessels of the extremities based on the probabilistic approach] Tsukanov IuT, et al. **Klin Khir** 1984 Jul;(7):44–6 (Eng. Abstr.) **(Rus)**

[Principles of surgical treatment of acute thrombosis of the abdominal aorta, its branches and main arteries of the lower limbs] Ratner GL, et al. **Vestn Khir** 1984 Mar;132(3):78–85 (Eng. Abstr.) **(Rus)**

[Surgical tactics in occlusive lesions of visceral arteries associated with occlusion of the aorta or its branches] Ratner GL, et al. **Vestn Khir** 1983 Sep;131(9):3–6 (Eng. Abstr.) **(Rus)**

[New therapeutic orientation in aorto–enteric fistulas] Gutiérrez JM, et al. **Angiologia** 1984 Jan–Feb;36(1):25–35 (Eng. Abstr.) **(Spa)**

[Embolism of the terminal aortic bifurcation] Solís JV, et al. **Angiologia** 1984 Mar–Apr;36(2):49–54 (Eng. Abstr.) **(Spa)**

THERAPY

Improved balloon catheters for large–vessel and valvular angioplasty. Mitchell SE, et al. **AJR** 1984 Mar;142(3):571–2

Percutaneous transluminal angioplasty of the aorta. Light and electron microscopic observations in normal and atherosclerotic rabbits. Zollikofer CL, et al. **Radiology** 1984 May;151(2):355–63

[Non–operative treatment of infrarenal aortic stenoses by catheter dilation] Ingrisch H, et al. **Rontgenpraxis** 1983 Nov;36(11):363–7 **(Ger)**

[Effect of acupuncture analgesia on the state of terminal blood flow during measured constriction of the abdominal portion of the aorta] Tsibuliak VN, et al. **Anesteziol Reanimatol** 1984 Jan–Feb;(1):28–31 (Eng. Abstr.) **(Rus)**

VETERINARY

Aortic atherosclerosis in nonlaying hens with fatty liver syndrome. Simpson CF, et al. **Avian Dis** 1983 Jul–Sep; 27(3):652–9

Effect of exercise on aortic atherosclerosis and other cardiovascular variables among hyper– and hypotensive turkeys. Bolden SL, et al. **Poult Sci** 1983 Jul;62(7):1287–93

The prevalence, gross lesions and histopathology of aortic onchocerciasis in Nigerian cattle. Ogundipe GA, et al. **Vet Q** 1984 Apr;6(2):85–9

AORTIC RUPTURE

Traumatic rupture of the descending thoracic aorta. Leggett P, et al. **J La State Med Soc** 1984 May;136(5):33–7

Case report: late rupture of a thrombosed abdominal aortic aneurysm. Ricotta JJ, et al. **Surgery** 1984 Jun;95(6):753–5

COMPLICATIONS

Fistula between abdominal aortic aneurysm and left renal vein. Harjula A, et al. **Acta Chir Scand** 1983;149(5):541–4

Aortocaval fistula with aortic aneurysm [letter] **Br J Surg** 1983 Dec;70(12):745–6

Perianal haematoma: an unusual feature of a leaking aortic aneurysm. Antrum RM. **Br J Surg** 1984 Aug;71(8):649

Rupture or leakage of atheromatous arteries or aneurysms and salmonella infection [letter] Rahman M. **Br Med J [Clin Res]** 1983 Nov 12;287(6403):1471–2

Spontaneous iliac artery–inferior vena caval fistula: rare complication of ruptured abdominal aneurysm. Meyer PJ, et al. **J Am Osteopath Assoc** 1983 Sep;83(1):52–5

Abdominal aortic aneurysms: some controversial points. Botta GC, et al. **J Cardiovasc Surg (Torino)** 1983 Sep–Oct; 24(5):481–7

Hematuria as a presenting symptom of an aortic–vena caval fistula from ruptured aortic aneurysm. van Driel M, et al. **J Urol** 1984 Oct;132(4):774–5

A rare case of extraperitoneal and intracaval rupture of an aortic abdominal aneurysm. Sciannameo F, et al. **Panminerva Med** 1984 Jan–Mar;26(1):41–3

Severe para–aortic regurgitation due to ruptured congenital subaortic aneurysm. A case report. Rose AG, et al. **S Afr Med J** 1984 Aug 11;66(6):230–2

Rupture of an aneurysm of the sinus of Valsalva into the superior vena cava. Kaye GC, et al. **Thorax** 1984 Jun; 39(6):475–6

[Aorto–caval fistula secondary to rupture of an abdominal aortic aneurysm] Krasnik M, et al. **Ugeskr Laeger** 1984 Apr 2;146(14):1053–4 (Eng. Abstr.) **(Dan)**

[Aorto–enteric fistulas] Bacourt F. **Presse Med** 1984 Jun 2; 13(23):1447–51 (Eng. Abstr.) **(Fre)**

[Fatal hemoptysis caused by rupture of an arteriosclerotic aortic aneurysm in the left lung] Schwesinger G, et al. **Z Gesamte Inn Med** 1983 Oct 1;38(19):528–30 (Eng. Abstr.) **(Ger)**

[Behçet's disease associated with aneurysm of the thoracic aorta penetrating into the lung] Ishimaru S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Nov;31(11):2093–7 (Eng. Abstr.) **(Jpn)**

[A case of ruptured aneurysm of sinus of Valsalva (Konno's type IV) resulting in secondary aldosteronism] Uehata A, et al. **Nippon Naika Gakkai Zasshi** 1984 Apr;73(4):487–93 **(Jpn)**

[Supravalvular rupture of the arch of the aorta in food poisoning] Brodov LE, et al. **Ter Arkh** 1983;55(10):72–4 (9 ref.) (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Rupture of dissecting aortic aneurysm into the right atrium: clinical and echocardiographic recognition. Nicod P, et al. **Am Heart J** 1984 Jun;107(6):1276–8

Two–dimensional contrast echocardiography with carbon dioxide in the detection of congenital cardiac shunts. Muñoz S, et al. **Am J Cardiol** 1984 Jan 1;53(1):206–10

Significance of symptoms and signs in patients with traumatic aortic rupture. Sturm JT, et al. **Ann Emerg Med** 1984 Oct; 13(10):876–8

Symptomatic hernias [letter] Freund HR. **Arch Surg** 1984 Aug;119(8):978

Masking of ruptured abdominal aortic aneurysm by incarcerated inguinal hernia. Louras JC, et al. **Arch Surg** 1984 Mar;119(3):331–2

Ruptured sinus of valsalva aneurysm in children: report of two cases and literature review. Tonkin IL, et al. **Cardiovasc Intervent Radiol** 1984;7(2):78–83 (28 ref.)

Echocardiographic features of right sinus of valsalva aneurysm ruptured into the right ventricle. Bahuleyan CG, et al. **Indian Heart J** 1983 Nov–Dec;35(6):355–7

Aneurysms of sinus of Valsalva: two–dimensional echocardiographic diagnosis and recognition of rupture into the right heart cavities. Terdjman M, et al. **J Am Coll Cardiol** 1984 May;3(5):1227–35

Spontaneous rupture of the normal diameter atherosclerotic aorta. Ashcraft WC, et al. **J Ky Med Assoc** 1984 Apr; 82(4):159–62

The Einstein sign: the clinical picture of acute cholecystitis caused by ruptured abdominal aortic aneurysm [letter] Chandler JJ. **N Engl J Med** 1984 Jun 7;310(23):1538

Acute disease of the aorta. Diagnosis by computed tomography and ultrasonography. Godwin JD, et al. **Radiol Clin North Am** 1983 Sep;21(3):551–74 (112 ref.)

[Ruptured aneurysm of the sinus of Valsalva into the right atrium] Bonhorst D, et al. **Acta Med Port** 1984 Mar; 5(3):91–4 (Eng. Abstr.) **(Por)**

ETIOLOGY

Rupture of the thoracic aorta and its relationship to road traffic accident characteristics. Newman RJ, et al. **Injury** 1984 Mar;15(5):296–9

Elevation of plasma renin activity during pregnancy and rupture of a dissecting aortic aneurysm in a patient with primary aldosteronism. Shimizu A, et al. **Jpn Heart J** 1983 Nov;24(6):995–1006

Salmonella infection of the abdominal aorta [letter] Hammacher ER, et al. **Neth J Surg** 1984 Jun;36(3):86

Residua of thoracic trauma. Hix WR. **Surg Gynecol Obstet** 1984 Mar;158(2):295–301 (48 ref.)

Remembrance of things past: aortobronchial fistula 15 years after thoracic aortic homograft. Oldham KT, et al. **West J Med** 1983 Aug;139(2):225–8

[Rupture of a congenital aneurysm of the sinus of Valsalva] Cartier P, et al. **Chir Pediatr** 1984;25(2):83–6 (Eng. Abstr.) **(Fre)**

[Dissecting aneurysm of the ascending aorta with rupture into the pulmonary artery. A late complication of aortic valve replacement] Goebel N, et al. **ROFO** 1983 Oct; 139(4):447–9 **(Ger)**

[Uncommon complication following alloplastic vascular replacement. Rupture of a spurious aneurysm into the bladder] Winzer KJ, et al. **Zentralbl Chir** 1984; 109(13):871–5 **(Ger)**

[Traumatic rupture of the thoracic aorta] Levang OW, et al. **Tidsskr Nor Laegeforen** 1984 Mar 20;104(8):568–70 (Eng. Abstr.) **(Nor)**

[Syphilitic aortitis in a parturient] Kolpakov FI, et al. **Vestn Dermatol Venerol** 1984 May;(5):71–2 (Eng. Abstr.) **(Rus)**

[Rupture of the aortic sinus as a complication of surgery of a ventricular septal defect] Cherepenin LP, et al. **Vestn Khir** 1983 Sep;131(9):60–1 **(Rus)**

MORTALITY

Fatal rupture after successful surgical thrombosis of an abdominal aortic aneurysm. Kwaan JH, et al. **Surgery** 1984 Feb;95(2):235–7

PATHOLOGY

[A case of tuberculous myocarditis and rupture of a dissecting aortic aneurysm and of the left coronary artery of the heart during surgery for an aortic heart defect] Nesheva P, et al. **Vutr Boles** 1984;23(2):135–40 (Eng. Abstr.) **(Bul)**

[Rupture of the abdominal aorta following blunt, non–penetrating abdominal trauma] Wozasek GE. **Unfallheilkunde** 1984 Mar;87(3):126–8 (Eng. Abstr.) **(Ger)**

[Case of aortic aneurysm rupture] Myslitskaia GV, et al. **Klin Med (Mosk)** 1984 Mar;62(3):131–3 **(Rus)**

PHYSIOPATHOLOGY

M–mode echographic features of ruptured sinus of Valsalva aneurysms. Gherasim L, et al. **Am Heart J** 1984 Jul; 108(1):183–6

RADIOGRAPHY

Mediastinal–width/chest–width ratio in blunt chest trauma: a reappraisal. Marnocha KE, et al. **AJR** 1984 Feb; 142(2):275–7

CT diagnosis of ruptured abdominal aortic aneurysm. Rosen A, et al. **AJR** 1984 Aug;143(2):265–8

Radiographic signs of acute traumatic rupture of the thoracic aorta. Sefczek DM, et al. **AJR** 1983 Dec;141(6):1259–62

Comparison of mediastinal width, mediastinal–thoracic and –cardiac ratios, and 'mediastinal widening' in detection of traumatic aortic rupture. Burney RE, et al. **Ann Emerg Med** 1983 Nov;12(11):668–71

Aortic injury: comparison of supine and upright portable chest films to evaluate the widened mediastinum. Schwab CW, et al. **Ann Emerg Med** 1984 Oct;13(10):896–9

Chest roentgenographic findings in 26 patients with traumatic rupture of the thoracic aorta. Sturm JT, et al. **Ann Emerg Med** 1983 Oct;12(10):598–600

Chest roentgenograms in diagnosis of traumatic rupture of the aorta. Observer variation in interpretation. Burney RE, et al. **Chest** 1984 May;85(5):605–9

Of TRAs and ROCs [editorial] Jackson DH. **Chest** 1984 May; 85(5):585–7

Traumatic rupture of the thoracic aorta: a review. Stark P. **CRC Crit Rev Diagn Imaging** 1984;21(3):229–55 (39 ref.)

Indications for aortography. Radiography after blunt chest trauma: a reassessment of the radiographic findings associated with traumatic rupture of the aorta. Williams S, et al. **Invest Radiol** 1983 May–Jun;18(3):230–7

Traumatic disruption of a right aortic arch. Berkoff HA, et al. **J Cardiovasc Surg (Torino)** 1984 Jan–Feb;25(1):78–80

Spontaneous nontraumatic rupture of the thoracic aorta. Widder DJ, et al. **J Thorac Cardiovasc Surg** 1983 Oct; 86(4):626–8

[Emergency radiology of acute traumatic ruptures of the thoracic aorta. Detection of atypical forms. Apropos of 52 cases] Pinet F, et al. **Ann Radiol (Paris)** 1983 Apr–May; 26(4):284–9 (Eng. Abstr.) **(Fre)**

[Emergency radiology in acute traumatic rupture of the thoracic aorta. Detection of atypical forms. Apropos of 52 cases] Pinet F, et al. **Sem Hop Paris** 1983 Oct 27; 59(39):2693–8 (Eng. Abstr.) **(Fre)**

[Diagnosis of posttraumatic ruptures of the thoracic aorta in the full chest x–ray and in angiography] Bohndorf K, et al. **ROFO** 1984 May;140(5):515–9 (Eng. Abstr.) **(Ger)**

[Computed tomography in ruptured abdominal aortic aneurysms] Brachlow M, et al. **ROFO** 1984 Jul;141(1):61–3 (Eng. Abstr.) **(Ger)**

[Thoracic aortic arch ruptured into the esophagus—a case report] Hayakawa T, et al. **Rinsho Hoshasen** 1981 Dec; 26(13):1401–4 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

Ruptured abdominal aortic aneurysm identified incidental to bone scintigraphy. Moreno AJ, et al. **Eur J Nucl Med** 1983; 8(12):546–8

SURGERY

Abdominal aortic aneurysm—results of treatment in nonspecialized units. Lundell L, et al. **Acta Chir Scand** 1983; 149(7):695–702

Ruptured aortic aneurysms: postoperative complications and their aetiology. Fielding JL, et al. **Br J Surg** 1984 Jul; 71(7):487–91

Ruptured thoracic aorta aneurysms. An alternative operative treatment for this surgical emergency. Siderys H, et al. **Indiana Med** 1984 Apr;77(4):256–8

The double balloon cannula in the treatment of ruptured abdominal aneurysms. Hoshino S, et al. **Int Surg** 1983 Jul–Sep;68(3):219–21

Survival after blunt traumatic rupture of the abdominal aorta. A case report. Levien LJ, et al. **S Afr J Surg** 1983 Dec; 21(4):251–4

Ruptured abdominal aortic aneurysm and horseshoe kidney. A case report. Du Toit DF, et al. **S Afr Med J** 1983 Oct 29;64(19):750–1

Ruptured sinus of valsalva aneurysms. Henze A, et al. **Scand J Thorac Cardiovasc Surg** 1983;17(3):249–53

Aggressive treatment of ruptured abdominal aortic aneurysm in a community hospital. Lawler M Jr. **Surgery** 1984 Jan; 95(1):38–44

Ruptured aneurysms of the sinus Valsalvae. Jansen EW, et al. **Thorac Cardiovasc Surg** 1984 Jun;32(3):148–51

[Surgical treatment of ruptured aneurysm of the aortic sinus in 34 cases] Jiang ZB. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1983 Jun; 11(2):117–9 (Eng. Abstr.) **(Chi)**

[Rupture of the valsalva sinus—experience in diagnosis and treatment] Zhang HX. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1984 Mar; 12(1):31–2 **(Chi)**

[Improvement of the results in the surgical treatment of ruptured aneurysm of the abdominal aorta] Sala A, et al. **Minerva Cardioangiol** 1983 Oct;31(10):557–60 (Eng. Abstr.) **(Ita)**

[Successful surgical treatment of two cases of ruptured dissecting aneurysm] Goto T, et al. **Kyobu Geka** 1983; 36(7):594–8 (Eng. Abstr.) **(Jpn)**

[Extra-anatomic bypass in impending rupture of chronic dissecting aneurysm of the descending aorta] Hata H, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Sep; 31(9):1461–7 (Eng. Abstr.) **(Jpn)**

[Surgical management of abdominal aortic rupture in chronic dissecting thoracic aneurysm (DeBakey IIIb)] Yamaguchi T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Aug; 31(8):1320–4 (Eng. Abstr.) **(Jpn)**

[Simultaneous surgical treatment of abdominal aortic aneurysmectomy and aorto-coronary bypass graft—special reference to two successful cases] Kitamura S, et al. **Rinsho Kyobu Geka** 1983 Nov;3(6):665–9 (Eng. Abstr.) **(Jpn)**

[A surgical case report of a descending aortic aneurysm with rupture into the lung] Sato M, et al. **Rinsho Kyobu Geka** 1984 Mar;4(2):218–23 (Eng. Abstr.) **(Jpn)**

THERAPY

Ruptured mycotic salmonella aortic aneurysm treated with combined cefotaxime antibiotic and staged surgical management. Humphrey RW, et al. **Angiology** 1983 Oct; 34(10):674–8

VETERINARY

Perforation of thoracic aorta in a dog associated with Spirocerca lupi infection. Hamir AN. **Aust Vet J** 1984 Feb; 61(2):64

AORTIC SINUS see **SINUS OF VALSALVA**

AORTIC STENOSIS see **AORTIC VALVE STENOSIS**

AORTIC STENOSIS, SUPRAVALVULAR see **AORTIC VALVE STENOSIS**

AORTIC SUBVALVULAR STENOSIS see under **IDIOPATHIC HYPERTROPHIC SUBVALVULAR STENOSIS**

AORTIC VALVE

Ejection phase indexes with apexcardiography. Comparison with echocardiographic and angiographic parameters. Bernardini B, et al. **Acta Cardiol (Brux)** 1984;39(3):173–83

Aortic valve prolapse due to syphilitic aortitis. Arvan S. **Am Heart J** 1984 Jul;108(1):186–7

Echographic recognition of perivalvular infection complicating aortic bacterial endocarditis. Come PC, et al. **Am Heart J** 1984 Jul;108(1):166–8

Successful streptokinase therapy of prosthetic aortic valve thrombosis. Draur RA. **Am Heart J** 1984 Sep;108(3 Pt 1):605–6

Prophylactic replacement of a Starr-Edwards model 1000 aortic valve prosthesis in place for 20 years. Vlay SC, et al. **Am J Cardiol** 1984 Mar 15;53(7):969

Aortic valve endocarditis complicated by complete heart block. Dunn HM, et al. **Int J Cardiol** 1984 Jan;5(1):98–101

Medical and surgical treatment of rheumatic mitral and aortic valve disease. Abdulali SA, et al. **J R Coll Physicians Lond** 1984 Jan;18(1):56–61

[Radiocardiographic evaluation of the hemodynamics in combined acquired heart defects] Shelretova E, et al. **Vutr Boles** 1984;23(2):60–6 (Eng. Abstr.) **(Bul)**

[Hemophilus parainfluenzae endocarditis on a prosthetic aortic valve] Wishnitzer R, et al. **Harefuah** 1983 Dec 1; 105(11):358–9 (Eng. Abstr.) **(Heb)**

[State of water metabolism during and after artificial circulation in patients with aortic heart defects] Divonin AL, et al. **Anesteziol Reanimatol** 1984 Jan-Feb;(1):16–9 (Eng. Abstr.) **(Rus)**

[Correlation of M-scan and sectoral echocardiography findings in patients with rheumatic heart lesions] Khrustalev OA, et al. **Kardiologiia** 1984 Mar;24(3):42–5 (Eng. Abstr.) **(Rus)**

[Association of coronary disease with mitral and aortic valvulopathy] Marchant E, et al. **Rev Med Chil** 1983 Dec; 111(12):1227–32 (Eng. Abstr.) **(Spa)**

ABNORMALITIES

Pathologic measurements in aortic atresia. van der Horst RL, et al. **Am Heart J** 1983 Dec;106(6):1411–5

Two-dimensional echocardiographic diagnosis of quadricuspid aortic valve. Chandrasekaran K, et al. **Am J Cardiol** 1984 Jun 1;53(11):1732–3

The 2 most common congenital heart diseases [editorial] Roberts WC. **Am J Cardiol** 1984 Apr 1;53(8):1198

Ultrasonic recognition of aortic valve atresia in utero. Silverman NH, et al. **Am J Cardiol** 1984 Jan 15;53(2):391–2

Malformations of the semilunar valves produced in chick embryos by mechanical interference with cardiogenesis. An experimental approach to the role of hemodynamics in valvular development. Colvee E, et al. **Anat Embryol (Berl)** 1983;168(1):59–71

Aortic atresia with double inlet left ventricle, rudimentary left sided right ventricle, and ventriculoarterial discordance. Bullaboy CA, et al. **Br Heart J** 1984 Sep; 52(3):349–51

Congenital aortic regurgitation in a child with a tricuspid non-stenotic aortic valve. Hashimoto R, et al. **Br Heart J** 1984 Mar;51(3):358–60

Bicuspid aortic valve morphology when associated with coarctation of the aorta. Folger GM Jr, et al. **Cathet Cardiovasc Diagn** 1984;10(1):17–25

Hypoplastic left heart syndrome: medical management and practical surgical palliation. Gill CC, et al. **Cleve Clin Q** 1983 Fall;50(3):269–74

Aortic valve disease. Hall RJ. **Eur Heart J** 1984 Mar;5 Suppl A:135–9 (22 ref.)

Floppy aortic valve presenting as sudden death. Pounder DJ. **Forensic Sci Int** 1984 Jun;25(2):123–31

Origin of both coronary arteries from the pulmonary trunk associated with hypoplasia of the aortic tract complex: a new entity. Bharati S, et al. **J Am Coll Cardiol** 1984 Feb; 3(2 Pt 1):437–41

Absence of the aortic valve: antenatal and postnatal two-dimensional and Doppler echocardiographic features. Bierman FZ, et al. **J Am Coll Cardiol** 1984 Mar;3(3):833–7

Quadricuspid aortic valve. Luisi VS, et al. **J Cardiovasc Surg (Torino)** 1984 May-Jun;25(3):252–4

Left ventricular outflow obstruction and necrotizing enterocolitis. Allen HA, et al. **Radiology** 1984 Feb; 150(2):401–2

[Aortic sigmoid cusp anomaly: rare cause of myocardial infarction in children] Lefèvre M, et al. **Arch Mal Coeur** 1984 May;77(5):571–6 (Eng. Abstr.) **(Fre)**

[Mono- and bi-dimensional echocardiographic study of a bicuspid aortic valve] Alcini E, et al. **G Ital Cardiol** 1983 Aug;13(8):85–90 (Eng. Abstr.) **(Ita)**

[Case report of congenital bicuspid aortic valves associated with aortic valve prolapse and displacement of the coronary arteries] Akiyama K, et al. **Kyobu Geka** 1983 Dec; 36(11):909–14 (Eng. Abstr.) **(Jpn)**

ANATOMY & HISTOLOGY

Length of left main coronary artery. Lack of correlation to coronary artery dominance and bicuspid aortic valve: an autopsy study of 54 cases. Virmani R, et al. **Arch Pathol Lab Med** 1984 Aug;108(8):638–41

Dimensions of the great arteries, semilunar valve roots, and right ventricular outflow tract during growth: normative angiocardiographic data. Sievers HH, et al. **Pediatr Cardiol** 1983 Jul-Sep;4(3):189–96

CYTOLOGY

Cell survival in canine aortic heart valves stored in nutrient medium. Mochtar B, et al. **Cardiovasc Res** 1984 Aug; 18(8):497–501

Porcine cardiac valvular endothelial cells in culture. A relative deficiency of fibronectin synthesis in vitro. Johnson CM, et al. **Lab Invest** 1983 Nov;49(5):589–98

EMBRYOLOGY

Effect of conotruncal constriction on aortic-mitral valve continuity in the stage 18, 21 and 24 chick embryo. Clark EB, et al. **Am J Cardiol** 1984 Jan 15;53(2):324–7

IMMUNOLOGY

[Experimental and clinical studies on the antigenicity of glutaraldehyde-treated porcine aortic valves] Ma ZL. **Chung Hua I Hsueh Tsa Chih** 1984 Jan;64(1):33–5 (Eng. Abstr.) **(Chi)**

MICROBIOLOGY

Giant aortic valve vegetations by two dimensional echocardiography. Samdarshi TE, et al. **Indian Heart J** 1983 Jul-Aug;35(4):232–3

PATHOLOGY

Patterns and pathogenesis of calcification in pathologic human aortic valves. Levitt LC, et al. **Curr Surg** 1984 Jan-Feb;41(1):17–9

The anatomical heterogeneity of hearts lacking a patent communication between the left atrium and the ventricular mass ('mitral atresia') in presence of a patent aortic valve. Mickell JJ, et al. **Eur Heart J** 1983 Jul;4(7):477–86

Mitral and aortic valve abnormalities in a patient with fibrodysplasia ossificans progressiva. Jaworski RC, et al. **Pathology** 1983 Jul;15(3):325–8

Group C beta-hemolytic streptococcal endocarditis: report of a pediatric case. Robinson P, et al. **Pediatr Cardiol** 1984 Jan-Mar;5(1):61–3

[Papillary fibroelastoma of the aortic valve. Sudden death caused by an uncommon tumor of the heart] Seib HJ, et al. **Z Kardiol** 1984 Jun;73(6):409–13 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Aortic flow velocity in older subjects using continuous-wave Doppler echocardiography. Vijayaraghavan G, et al. **Am Heart J** 1984 Jun;107(6):1275–6

A new technique for producing pure aortic stenosis in animals. Su-Fan Q, et al. **Am J Physiol** 1984 Feb;246(2 Pt 2):H296–301

Design of a system for the accelerated loading of heart valve prostheses. Rousseau EP, et al. **J Biomech** 1984; 17(2):145–53

PHYSIOPATHOLOGY

Fluid dynamics of aortic stenosis: mechanisms for the presence of subvalvular pressure gradients. Pasipoularides A, et al. **Am J Physiol** 1984 Apr;246(4 Pt 2):H542–50

Functional limitation in aortic valve disease: superiority of bicycle test to symptom-rated appraisal? Niemelä KO, et al. **Ann Clin Res** 1983 Jun;15(3):113–8

Diastolic stiffness and myocardial structure in aortic valve disease before and after valve replacement. Hess OM, et al. **Circulation** 1984 May;69(5):855–65

Wall shear stress during pulsatile flow distal to a normal porcine aortic valve. Walburn FJ, et al. **J Biomech** 1984; 17(2):97–102

Phonocephalography: a simple, low-cost non-invasive diagnostic technique. Continued data reporting. Tewfik S. **J Laryngol Otol** 1983 Dec;97(12):1133–8

[Aortic ring motion and its various indicators in the echocardiographic picture] Trojnar R, et al. **Kardiol Pol** 1983;26(3):273–8 (12 ref.) **(Pol)**

RADIOGRAPHY

Measurement of aortic root size by biplane angiography before cardiac valve replacement. Mukharji J, et al. **Am J Cardiol** 1984 Apr 1;53(8):1084–6

SURGERY

Effects of laser irradiation on cardiac valves: transcatheter in vivo vaporization of aortic valve. Lee G, et al. **Am Heart J** 1984 Feb;107(2):394–5

Formaldehyde- versus glutaraldehyde-processed porcine bioprostheses in the aortic valve position: long-term follow-up. Bortolotti U, et al. **Am J Cardiol** 1984 Sep 1; 54(6):681–2

Serum CK-MB isoenzyme after aortic and mitral valve replacements. Järvinen A, et al. **Ann Clin Res** 1983; 15(5-6):189–93

Cardioplegia versus topical cooling for cardiac protection during open-heart surgery. An electron microscopic and histochemical study of right atrial biopsies. Kyösola K, et al. **Ann Clin Res** 1983 Aug;15(4):156–63

Coronary artery stenosis after aortic valve replacement [letter] Chiu RC. **Ann Thorac Surg** 1984 May;37(5):439

Evacuation of calcific valvular debris using a standard Ellik evacuator. Moores WY, et al. **Ann Thorac Surg** 1984 Jul; 38(1):70–1

Posterior enlargement of the small annulus during aortic valve replacement versus implantation of a small prosthesis. Pugliese P, et al. **Ann Thorac Surg** 1984 Jul;38(1):31–6

Urgent cardiac valve replacement due to infective bacterial endocarditis in non drug users. Igartua JM, et al. **Bol Asoc Med PR** 1983 Dec;75(12):534–7

Enlargement of the narrow aortic root and oblique insertion of a St Jude prosthesis. Kinsley RH, et al. **Br Heart J** 1983 Oct;50(4):330–2

Superior mediastinal obstruction with aortic dissection after aortic valve replacement. Diagnosis by computed tomography. Stone DL, et al. **Br Heart J** 1984 May; 51(5):565–7

Modified aortoseptoplasty for anular abscess and erosion of the membranous septum. Mavroudis C, et al. **Chest** 1984 Mar;85(3):442–4

The development of the Björk-Shiley artificial heart valve. Björk VO. **Clin Cardiol** 1984 Jan;7(1):3–5

Dehiscence of aortic valve prostheses: analysis of a ten-year experience. Rizzoli G, et al. **Int J Cardiol** 1984 Aug; 6(2):207–21

The Marfan's syndrome: successful surgical palliation for annulo-aortic ectasia. Kundaje GN, et al. **J Assoc Physicians India** 1983 Dec;31(12):809–11

Long term results of isolated mitral and aortic valve replacement. A statistical evaluation. Pellegrini A, et al. **J Cardiovasc Surg (Torino)** 1983 Sep-Oct;24(5):467–74

Clinical evaluation of the St. Jude Medical heart valve prosthesis. A two-year follow-up of 150 patients. Burckhardt D, et al. **J Thorac Cardiovasc Surg** 1984 Sep; 88(3):432–8

Aortoplasty and aortic valve replacement for annuloaortic ectasia in an infant with Marfan's syndrome, forme fruste. Kawaguchi A, et al. **J Thorac Cardiovasc Surg** 1984 Apr; 87(4):631–4

Successful aortic valvotomy for severe congenital valvular aortic stenosis in the newborn infant. Messina LM, et al. **J Thorac Cardiovasc Surg** 1984 Jul;88(1):92–6

Successful management of right ventricular failure with the ventricular assist pump following aortic valve replacement and coronary bypass grafting. O'Neill MJ Jr, et al. **J Thorac Cardiovasc Surg** 1984 Jan;87(1):106–11

Aortoseptal approach for optimal resection of diffuse subvalvular aortic stenosis. Vouhé PR, et al. **J Thorac Cardiovasc Surg** 1984 Jun;87(6):887–93

Emergency mitral and aortic valve replacement during acute rheumatic fever in a 5-year-old child. Barak J, et al. **Scand J Thorac Cardiovasc Surg** 1984;18(1):9–13

Functional evaluation after aortic valve replacement. Niemelä K, et al. **Scand J Thorac Cardiovasc Surg** 1983; 17(3):221–5

Surgical repair of annulo-aortic ectasia in children. Savunen T, et al. **Scand J Thorac Cardiovasc Surg** 1984;18(1):15–21

Immediate and long-term results in aortic valve replacement. Vejlsted H, et al. **Scand J Thorac Cardiovasc Surg** 1984; 18(1):41–4

[Mycotic ulcerative aortitis after replacement of the aortic valve caused by the fungus Aspergillus restrictus] Pospíšil K, et al. **Vnitr Lek** 1984 Mar;30(3):292–7 (Eng. Abstr.) (Cze)

[Use of lasers for the excision of calcified heart valves—an experimental study] Knoth E. **Z Exp Chir Transplant Kunstliche Organe** 1983;16(6):352–6 (Eng. Abstr.) (Ger)

[Mitral and aortic valve replacement in childhood] Berg T, et al. **Z Kardiol** 1984 Mar;73(3):173–80 (Eng. Abstr.) (Ger)

[Reintervention in patients with a Hancock prosthesis in mitral and aortic sites] Milano A, et al. **Boll Soc Ital Cardiol** 1982;27(7):669–73 (Ita)

[Local cardiac hypothermia with or without cardioplegia in aortic valve surgery] Hashimoto R, et al. **Kyobu Geka** 1983 Dec;36(12):953–7 (Eng. Abstr.) (Jpn)

[One-step surgery for WPW syndrome complicated with aortic stenosis] Kamata E, et al. **Kyobu Geka** 1984 Jan; 37(1):69–72 (Eng. Abstr.) (Jpn)

[Comparative study of left ventricular function in double valve replacement with or without patch enlargement of aortic and mitral valve anulus] Kitamura M, et al. **Kyobu Geka** 1984 Jun;37(6):411–9 (Eng. Abstr.) (Jpn)

[Comparative studies of various methods of myocardial protection in aortic valve replacement] Abe T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Jul;31(7):1115–22 (Eng. Abstr.) (Jpn)

[A study of autologous pulmonary valve replantation] Murata H. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Feb; 32(2):144–53 (Eng. Abstr.) (Jpn)

[Chronic hemolysis following aortic valve replacement: comparison of Starr–Edwards ball valve and Björk–Shiley valve] Oka Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Jul;31(7):1041–8 (Eng. Abstr.) (Jpn)

[Aortic regurgitation following closure of ventricular septal defect. Report of two cases with successful surgical treatment in early and late stages] Amano S, et al. **Rinsho Kyobu Geka** 1984 Jan;4(1):66–70 (Eng. Abstr.) (Jpn)

[Two cases of double valve replacement combined with enlargement of the aortic and mitral annuli] Hashimoto A, et al. **Rinsho Kyobu Geka** 1983 Nov;3(6):747–54 (Eng. Abstr.) (Jpn)

[Management of valve detachment following aortic valve replacement in aortic regurgitation due to aortitis] Kawazoe K, et al. **Rinsho Kyobu Geka** 1984 May;4(3):372–5 (Eng. Abstr.) (Jpn)

[Surgical indications and methods in mild lesions of aortic valve associated with mitral valve conditions] Ohishi K. **Rinsho Kyobu Geka** 1983 Sep;3(5):637–9 (Eng. Abstr.) (Jpn)

[Serial changes in the left ventricular function after correction of annuloaortic ectasia by Cabrol's procedure] Shigenobu M. **Rinsho Kyobu Geka** 1984 May;4(3):361–8 (Eng. Abstr.) (Jpn)

[Patch-enlargement of a narrow aortic annulus—right coronary cusp approach] Soma Y, et al. **Rinsho Kyobu Geka** 1983 Sep;3(5):529–32 (Jpn)

[The cardiologist's problems during the early period after implantation of an artificial valve] Hoffman M, et al. **Kardiol Pol** 1983;26(6):523–34 (Eng. Abstr.) (Pol)

[Enlargement of the aortic root with a bovine pericardial patch preserved in glutaraldehyde] Braile DM, et al. **Arq Bras Cardiol** 1983 Oct;41(4):289–96 (Eng. Abstr.) (Por)

[Aortic valve replacement in acute infectious endocarditis] Kalil RA, et al. **Arq Bras Cardiol** 1983 Apr;40(4):259–62 (Eng. Abstr.) (Por)

[Combined electroanesthesia after heart surgery under general artificial circulation] Avrutskiĭ MIa, et al. **Anesteziol Reanimatol** 1983 Sep–Oct;(5):16–20 (Eng. Abstr.) (Rus)

[Clinico-hemodynamic evaluation of Soviet aortic ball prostheses in long-term follow-up studies] Tsukerman GI, et al. **Grudn Khir** 1984 Jan–Feb;(1):31–5 (Eng. Abstr.) (Rus)

[Late thromboembolic complications after the surgical correction of mitral-aortic-tricuspid heart defects] Dubrovskiĭ VS, et al. **Sov Med** 1984;(6):17–22 (Eng. Abstr.) (Rus)

[Successful replacement of the entire ascending aorta and its valve by reimplantation of the opening of the coronary artery in a patient with aortic coarctation associated with Marfan's syndrome] Jablanov J, et al. **Vojnosanit Pregl** 1984 Jan–Feb;41(1):46–8 (Scr)

TRANSPLANTATION

Long-term evaluation of allograft aorta and valve replacement. Moll JW, et al. **Int Surg** 1983 Jul–Sep; 68(3):211–3

Aortic valve homografts in the surgical treatment of complex cardiac malformations. Fontan F, et al. **J Thorac Cardiovasc Surg** 1984 May;87(5):649–57

Surgical treatment of prosthetic endocarditis. Aortic root replacement using a homograft Lau JK, et al. **J Thorac Cardiovasc Surg** 1984 May;87(5):712–6

Disinfection of human heart valve allografts with antibiotics in low concentration. Strickett MG, et al. **Pathology** 1983 Oct;15(4):457–62

'Fresh', antibiotic sterilized aortic homografts in extracardiac valved conduits. Long-term results. di Carlo D, et al. **Thorac Cardiovasc Surg** 1984 Feb;32(1):10–4

Orthotopic transplantation of aortic valve allografts. Early hemodynamic results. Yankah AC, et al. **Thorac Cardiovasc Surg** 1984 Apr;32(2):92–5

ULTRASTRUCTURE

Presence of a smooth muscle system in aortic valve leaflets. Bairati A, et al. **Anat Embryol (Berl)** 1981;161(3):329–40

A morphologic overview of the porcine bioprosthetic valve—before and after its degeneration. Riddle JM, et al. **Scan Electron Microsc** 1984;(Pt 1):207–14

AORTIC VALVE INSUFFICIENCY

Aortic regurgitation. Shehane RR. **J La State Med Soc** 1984 Apr;136(4):13–6

COMPLICATIONS

Progressive thoracic aortic dilatation after aortic valve replacement. Nancarrow PA, et al. **AJR** 1984 Apr; 142(4):669–72

Amounts of coronary arterial narrowing by atherosclerotic plaques in clinically isolated, chronic, pure aortic regurgitation: analysis of 37 necropsy patients older than 30 years. Day PJ, et al. **Am J Cardiol** 1984 Jan 1;53(1):173–7

Coronary artery disease and aortic regurgitation [letter] Heggtveit HA. **Am J Cardiol** 1984 Mar 15;53(7):990

Ventricular arrhythmias in aortic valve disease: analysis of 102 patients. Klein RC. **Am J Cardiol** 1984 Apr 1; 53(8):1079–83

Periodic breathing induced by hyperventilation. Channer KS, et al. **Br Med J [Clin Res]** 1983 Oct 29;287(6401):1261

Deaf–mutism associated with bicuspid aortic valve defect. Mohakul KC, et al. **J Indian Med Assoc** 1984 Feb; 82(2):61–2

Aortic regurgitation in scleroderma. Yunus MB, et al. **J Rheumatol** 1984 Jun;11(3):384–6

[Aortic insufficiency and Takayasu disease] Acar J, et al. **Ann Med Interne (Paris)** 1983;134(7):606–13 (Eng. Abstr.) (Fre)

[Aortic and tricuspid valve involvement caused by myxoid degeneration associated with a severe mitral prolapse. Apropos of 2 patients undergoing a double valve replacement] Wolf JE, et al. **Arch Mal Coeur** 1983 Nov; 76(11):1362–7 (Eng. Abstr.) (Fre)

[Sudden occurrence of retrosternal pain and acute lung edema in a 54-year-old patient] Greither A, et al. **Internist (Berlin)** 1983 Aug;24(8):479–81 (Ger)

[Dissecting aneurysm of the ascending aorta in aortic insufficiency, pericardial effusion and infarction] Goebel N, et al. **Vasa** 1983;12(4):390–4 (Eng. Abstr.) (Ger)

[Annulo-aortic ectasia associated with Kallmann's syndrome] Tobe M, et al. **Kyobu Geka** 1983 Sep;36(9):745–8 (Eng. Abstr.) (Jpn)

[Aortic valve insufficiency associated with mitral valve aneurysm] Hoshi E, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Aug;31(8):1330–6 (Eng. Abstr.) (Jpn)

[Surgical treatment of aneurysms of the ascending aorta and aortic valve insufficiency] Martsinkiavichius A, et al. **Grudn Khir** 1984 Jul–Aug;(4):11–7 (Eng. Abstr.) (Rus)

[Electro- and phonocardiographic diagnosis of interventricular septal defect associated with aortic insufficiency] Dvinianinova NB. **Kardiologiia** 1984 Mar; 24(3):108–11 (Eng. Abstr.) (Rus)

CONGENITAL

Congenital aortic regurgitation in a child with a tricuspid non-stenotic aortic valve. Hashimoto R, et al. **Br Heart J** 1984 Mar;51(3):358–60

DIAGNOSIS

Echocardiography of porcine aortic prosthesis with flail leaflets due to degeneration and calcification. Bansal RC, et al. **Am Heart J** 1984 Mar;107(3):591–3

Multiple systolic clicks and echographic coarse systolic fluttering with porcine valve malfunction. Szkopiec RL, et al. **Am Heart J** 1984 Apr;107(4):794–6

Exercise testing in aortic regurgitation: comparison of radionuclide left ventricular ejection fraction with exercise performance at the anaerobic threshold and peak exercise. Boucher CA, et al. **Am J Cardiol** 1983 Oct 1;52(7):801–8

Diagnosis of incompetent quadricuspid aortic valve by two-dimensional echocardiography. Herman RL, et al. **Am J Cardiol** 1984 Mar 15;53(7):972

New indexes for assessing aortic regurgitation with two-dimensional Doppler echocardiographic measurement of the regurgitant aortic valvular area. Veyrat C, et al. **Circulation** 1983 Nov;68(5):998–1005

Aortic valve disease. Hall RJ. **Eur Heart J** 1984 Mar;5 Suppl A:135–9 (22 ref.)

Sensitivity and specificity of pulsed Doppler echocardiography in detection of aortic and mitral regurgitation. Wautrecht JC, et al. **Eur Heart J** 1984 May; 5(5):404–11

Echocardiography in the diagnosis of Marfan's syndrome. Fulton R, et al. **IMJ** 1984 Feb;165(2):89–91

Two-dimensional echocardiographic recognition of an aortic intimal flap prolapsing into the left ventricular outflow tract. Snow JS, et al. **J Am Coll Cardiol** 1984 Jul;4(1):180–2

Echocardiographic evaluation of aortic cusp prolapse in children with ventricular septal defect. Ueda T, et al. **Jpn Circ J** 1983 Dec;47(12):1359–67

[Transient pathologic Q-wave—necrosis or ischemia?] Pelov R, et al. **Vutr Boles** 1983;22(6):85–91 (Bul)

[Left heart catheterization—2-D echo contrast imaging in the diagnosis of aortic and mitral regurgitation] Jiang L. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1984 Mar; 12(1):36–7 (Chi)

[The 6th heart sound (mesosystolic sound) in aortic insufficiency] Zeh E, et al. **Med Welt** 1984 Jan 13; 35(1–2):35–41 (Ger)

[Prognostic value of preoperatively determined end-systolic left ventricular diameter in patients with chronic aortic insufficiency—an echocardiographic study] von Olshausen K, et al. **Z Kardiol** 1983 Dec;72(12):740–5 (Eng. Abstr.) (Ger)

[M-mode echocardiographic elements for the evaluation of left ventricular obstruction in hypertrophic cardiomyopathy] Fasoli G, et al. **Boll Soc Ital Cardiol** 1982 Oct;27(10):973–8 (Eng. Abstr.) (Ita)

[Correlation of monodimensional echocardiography and Doppler ultrasonography in the non-invasive evaluation of aortic insufficiency] Neri G, et al. **Boll Soc Ital Cardiol** 1982;27(8):807–12 (Ita)

[Systolic ejection murmur in the differential diagnosis of isolated aortic insufficiency and its association with stenosis] Gemelli A, et al. **Minerva Med** 1984 Jul 14; 75(28–29):1701–6 (Eng. Abstr.) (Ita)

DRUG THERAPY

Favorable effects of hydralazine on the hemodynamic response to isometric exercise in chronic severe aortic regurgitation. Elkayam U, et al. **Am J Cardiol** 1984 Jun 1;53(11):1603–7

Abnormal left ventricular response to isometric exercise in pure, isolated aortic regurgitation: beneficial effects of nifedipine. Shen WF, et al. **Am J Cardiol** 1984 Sep 1; 54(6):605–9

Usefulness of vasodilator therapy in acute and chronic valvular regurgitation. Greenberg BH, et al. **Curr Probl Cardiol** 1984 Jul;9(4):1–46

[Therapeutic criteria for the use of nifedipine in patients with chronic aortic insufficiency] Sclavo M, et al. **Boll Soc Ital Cardiol** 1982;27(8):791–800 (Eng. Abstr.) (Ita)

ETIOLOGY

Aortic insufficiency following mediastinal radiation for Hodgkin's disease. Shashaty GG. **Am J Med Sci** 1984 Jan–Feb;287(1):46–7

Acute, severe, aortic regurgitation in Behçet's syndrome. Comess KA, et al. **Ann Intern Med** 1983 Nov;99(5):639–40

Rapidly progressive aortic incompetence in juvenile ankylosing spondylitis: a case report. Pelkonen P, et al. **Arthritis Rheum** 1984 Jun;27(6):698–700

Comparison of echocardiography and angiography in determining the cause of severe aortic regurgitation. DePace NL, et al. **Br Heart J** 1984 Jan;51(1):36–45

Endocarditis caused by Staphylococcus warneri on a normal aortic valve following vasectomy. Dan M, et al. **Can Med Assoc J** 1984 Aug 1;131(3):211–3

Aortic and mitral insufficiency complicating fulminant systemic lupus erythematosus. Benotti JR, et al. **Chest** 1984 Jul;86(1):140–3

Viewbox: relapsing polychondritis with aortic insufficiency. Ward KA, et al. **IMJ** 1984 Jan;165(1):18, 56–8

Cortriatriatum dexter and associated aortic regurgitation. Arora R, et al. **Indian Heart J** 1983 Nov–Dec;35(6):358–60

Bacterial endocarditis of the aortic valve associated with diaphragmatic sub-aortic stenosis—account of two operated cases. Vosa C, et al. **Int J Cardiol** 1984 Jul; 6(1):84–6

Intermittent poppet dislodgment in a Braunwald–Cutter prosthesis: noninvasive diagnosis and successful surgical treatment. Yakirevich V, et al. **J Am Coll Cardiol** 1984 Feb;3(2 Pt 1):442–6

Aortic insufficiency in Reiter's syndrome of juvenile onset. Hübscher O, et al. **J Rheumatol** 1984 Feb;11(1):94–5

Intermittent aortic regurgitation with tilting disc valves [letter] Aldrete V. **J Thorac Cardiovasc Surg** 1984 Sep; 88(3):458–9

Left atrial myxoma: an uncommon cause of aortic regurgitation: echocardiographic findings. Enia F, et al. **JCU** 1984 Mar–Apr;12(3):174–6

Severe para-aortic regurgitation due to ruptured congenital subaortic aneurysm. A case report. Rose AG, et al. **S Afr Med J** 1984 Aug 11;66(6):230–2

Rheumatoid arthritis with severe aortic insufficiency and prolapse of the mitral valve. Flores M, et al. **Scand J Rheumatol** 1984;13(1):28–32

[Ventricular septal defect with aortic incompetence] Cheng KK, et al. **Taiwan I Hsueh Hui Tsa Chih** 1983 Dec; 82(12):1288–92 (Eng. Abstr.) (Chi)

[Acute Actinobacillus actinomycetem comitans aortic endocarditis] Lepresle E, et al. **Ann Fr Anesth Reanim** 1983; 2(2):89–91 (Eng. Abstr.) (Fre)

[Pseudoxanthoma elasticum with aortic insufficiency and arterial hypertension in a 12-year-old boy] Irani C, et al. **Arch Fr Pediatr** 1984 May;41(5):337–9 (Eng. Abstr.) (Fre)

[Case of aortic valve insufficiency due to sclerosing

periaortitis of tuberculous etiology] Shustval' NF, et al. **Vrach Delo** 1983 Sep;(9):49–50 **(Rus)**

[Cardiac manifestations of ankylosing spondylitis. Review apropos of an unusual case] Montes J, et al. **Rev Esp Cardiol** 1983;36(6):501–4 (Eng. Abstr.) **(Spa)**

MORTALITY

Improved late survival in patients with chronic aortic regurgitation by earlier operation. Turina J, et al. **Circulation** 1984 Sep;70(3 Pt 2):I147–52

PATHOLOGY

Floppy aortic valve presenting as sudden death. Pounder DJ. **Forensic Sci Int** 1984 Jun;25(2):123–31

[A case of tuberculous myocarditis and rupture of a dissecting aortic aneurysm and of the left coronary artery of the heart during surgery for an aortic heart defect] Nesheva P, et al. **Vutr Boles** 1984;23(2):135–40 (Eng. Abstr.) **(Bul)**

[Aortic rheumatoid insufficiency. 3 cases and review of the literature] Amor B, et al. **Rev Rhum Mal Osteoartic** 1982 Jul–Sep;49(8–9):609–13 (20 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Echographic early systolic partial closure (notching) of the aortic valve in congestive cardiomyopathy. Gardin JM, et al. **Am Heart J** 1984 Jan;107(1):135–42

Calculation of pulsed Doppler left ventricular outflow tract regurgitant index for grading the severity of aortic regurgitation. Veyrat C, et al. **Am Heart J** 1984 Sep;108(3 Pt 1):507–15

Estimation of left ventricular myocardial function by the ejection fraction in isolated, chronic, pure aortic regurgitation. Mehmel HC, et al. **Am J Cardiol** 1984 Sep 1;54(6):610–6

Use of left ventricular filling and ejection patterns in assessing severity of chronic mitral and aortic regurgitation. Osbakken MD, et al. **Am J Cardiol** 1984 Apr 1; 53(8):1054–60

Relation of midwall circumferential systolic stress to equatorial midwall fibre shortening in chronic aortic regurgitation. Value as a predictor of postoperative outcome. Almeida P, et al. **Br Heart J** 1984 Sep; 52(3):284–91

Regional left ventricular wall motion abnormalities in chronic volume overload. Di Donato M, et al. **Cathet Cardiovasc Diagn** 1983;9(5):453–62

Assessment of left ventricular mechanics in patients with asymptomatic aortic regurgitation: a two-dimensional echocardiographic study. St John Sutton MG, et al. **Circulation** 1984 Feb;69(2):259–68

A noninvasive comparison of left ventricular performance in sickle cell anemia and chronic aortic regurgitation. Willens HJ, et al. **Clin Cardiol** 1983 Nov;6(11):542–8

Left ventricular performance in patients with coexistent mitral stenosis and aortic insufficiency. Gash AK, et al. **J Am Coll Cardiol** 1984 Mar;3(3):703–11

Effects of dynamic and isometric exercise on the radionuclide-determined regurgitant fraction in aortic insufficiency. Gerson MC, et al. **J Am Coll Cardiol** 1984 Jan;3(1):98–106

Relation between exercise-induced changes in ejection fraction and systolic loading conditions at rest in aortic regurgitation. Goldman ME, et al. **J Am Coll Cardiol** 1984 Apr;3(4):924–9

Pulsus alternans: its influence on systolic and diastolic function in aortic valve disease. Hess OM, et al. **J Am Coll Cardiol** 1984 Jul;4(1):1–7

Validation of Fourier amplitude ratio to quantitate valvular regurgitation. Makler PT Jr, et al. **J Am Coll Cardiol** 1984 Jun;3(6):1482–7

Reverse doming of the anterior mitral leaflet with severe aortic regurgitation. Robertson WS, et al. **J Am Coll Cardiol** 1984 Feb;3(2 Pt 1):431–6

Differences in myocardial performance and load between patients with similar amounts of chronic aortic versus chronic mitral regurgitation. Wisenbaugh T, et al. **J Am Coll Cardiol** 1984 Apr;3(4):916–23

A quantitative method for the in vitro study of sounds produced by prosthetic aortic heart valves. Part III: An experimental comparative study of the sounds produced by normal and simulated-abnormal Smeloff aortic prostheses. Suobank DW, et al. **Med Biol Eng Comput** 1984 Jan;22(1):48–54

A quantitative method for the in vitro study of sounds produced by prosthetic aortic heart valves. Part II: An experimental, comparative study of the sounds produced by a normal and simulated-abnormal Starr-Edwards series 2400 aortic prosthesis. Suobank DW, et al. **Med Biol Eng Comput** 1984 Jan;22(1):40–7

Nitrates in aortic valve disease: acute and chronic effects. Tebbe U, et al. **Z Kardiol** 1983;72 Suppl 3:152–5

[Pulsed Doppler echocardiography in aortic valve disease] Mattern H, et al. **Klin Wochenschr** 1984 Jun 1;62(11):533–42 (Eng. Abstr.) **(Ger)**

[Hemodynamic evaluation of chronic aortic insufficiency with isotonic exertion (usefulness in determining incipient ventricular dysfunction) Rodríguez E, et al. **Boll Soc Ital Cardiol** 1982 Nov;27(11):1092–3 **(Ita)**

[Study of peripheral arterial flow using the Doppler method in patients with aortic insufficiency] Rossi M, et al. **Boll Soc Ital Cardiol** 1983 Jan;28(1):47–54 (Eng. Abstr.) **(Ita)**

[Evaluation of hemodynamic and echocardiographic parameters at rest and during exercise in patients with pure aortic insufficiency] Sclavo MG, et al. **Boll Soc Ital Cardiol** 1983 Jun;28(6):473–87 (Eng. Abstr.) **(Ita)**

[Safely carried out hemodialysis in a case of chronic renal failure complicated with aortic insufficiency] Murasawa T, et al. **Nippon Jinzo Gakkai Shi** 1984 Jan;26(1):123–9 (Eng. Abstr.) **(Jpn)**

[Hemodynamic effect of prazosin in patients with aortic and mitral valve insufficiency] Rumiński W, et al. **Pol Tyg Lek** 1983 Sep 26;38(39):1211–4 (Eng. Abstr.) **(Pol)**

[Compensatory mechanisms in severe aortic insufficiency] Aloan LA, et al. **Arq Bras Cardiol** 1983 May;40(5):305–10 (Eng. Abstr.) **(Por)**

[Chronic aortic insufficiency and mitral insufficiency. Correlation between left ventricular hypertrophy in electrocardiography and left ventricular mass] Barros Filho CM, et al. **Arq Bras Cardiol** 1984 Jan;42(1):13–8 (Eng. Abstr.) **(Por)**

[Interrelation of the processes of energy release and demand in the myocardium with its contractile function in acquired heart defects] Tsyganil AA, et al. **Kardiologiia** 1984 Jun; 24(6):84–7 (Eng. Abstr.) **(Rus)**

[The Austin Flint murmur (editorial)] Mordeglia F. **Medicina (B Aires)** 1983;43(4):470–1 **(Spa)**

[Response to physical exercise in aortic insufficiency. Correlation with angio-hemodynamic parameters at rest] Alonso AM, et al. **Rev Esp Cardiol** 1983;36(3):199–203 (Eng. Abstr.) **(Spa)**

[Postextrasystolic potentiation in aortic insufficiency. Variability of the systemic blood pressure response depending on the ventricular function] Bosch X, et al. **Rev Esp Cardiol** 1983;36(4):287–92 (Eng. Abstr.) **(Spa)**

[Telesystolic stress in chronic aortic insufficiency and regression of left ventricular hypertrophy after aortic valve substitution] Oliver JM, et al. **Rev Esp Cardiol** 1984 Jan–Feb;37(1):10–7 (Eng. Abstr.) **(Spa)**

[Angiographic quantification of left ventricular function in chronic aortic insufficiency] Escobar E, et al. **Rev Med Chil** 1983 Jun;111(6):571–8 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Limitations of qualitative angiographic grading in aortic or mitral regurgitation. Croft CH, et al. **Am J Cardiol** 1984 Jun 1;53(11):1593–8

RADIONUCLIDE IMAGING

Coronary and valvular heart disease: gated cardiac blood pool study. Barreto E, et al. **Bol Asoc Med PR** 1983 Jun; 75(6):265–6

Volumetric evaluation of aortic regurgitation by combined first-pass/equilibrium radionuclide ventriculography. Klepzig H Jr, et al. **Eur Heart J** 1984 Apr;5(4):317–25

Radionuclide quantification of mitral and aortic regurgitation. Folmer SC, et al. **Eur J Clin Invest** 1983 Aug;13(4):325–30

[Limitations of scintigraphically determined left-ventricular/right-ventricular stroke volume in the evaluation of the severity of aortic valve insufficiency] Klepzig H Jr, et al. **Z Kardiol** 1984 Jun;73(6):363–9 (Eng. Abstr.) **(Ger)**

[Radionuclide ventriculography in aortic and mitral valve insufficiency. Pre- and post-operative studies of valve replacement surgery] Kress P, et al. **Z Kardiol** 1984 Jan; 73(1):1–14 (Eng. Abstr.) **(Ger)**

SURGERY

Marfan's syndrome. Broad spectral surgical treatment cardiovascular manifestations. Crawford ES. **Ann Surg** 1983 Oct;198(4):487–505

Early results of valve replacement with the Björk-Shiley convexoconcave prosthesis. Marshall WG Jr, et al. **Ann Thorac Surg** 1984 May;37(5):398–403

Combined aortic and mitral valve replacement: changes in practice and prognosis. Stephenson LW, et al. **Circulation** 1984 Mar;69(3):640–4

Value of isometric exercise testing in the optimal timing of aortic valve replacement in aortic regurgitation. Huikuri HV, et al. **Eur Heart J** 1983 Sep;4(9):632–8

Cardiac valve replacement in patients with active infective endocarditis. Wilson WR, et al. **Herz** 1983 Dec;8(6):332–43

Valve replacement for aortic valve disease. Flanagan M, et al. **Ir Med J** 1983 Aug;76(8):338–40

Aortic and mitral valve incompetence: long-term follow-up (10 to 19 years) of patients treated with the Starr-Edwards prosthesis. McGoon MD, et al. **J Am Coll Cardiol** 1984 Apr;3(4):930–8

Determinants of prognosis of patients with aortic regurgitation who undergo aortic valve replacement. Stone PH, et al. **J Am Coll Cardiol** 1984 May;3(5):1118–26

Aortic valve replacement in elderly patients. Glock Y, et al. **J Cardiovasc Surg (Torino)** 1984 May-Jun;25(3):205–10

Repair of aortic root aneurysms with associated aortic valve insufficiency. Bowling R, et al. **J Ky Med Assoc** 1984 Mar; 82(3):127–30

A turnover operation for pectus excavatum at the time of correction of intracardiac defects. Doty DB, et al. **J Thorac Cardiovasc Surg** 1983 Nov;86(5):787–90

Surgical treatment of aneurysm of the ascending aorta with aortic insufficiency. A selective approach. Grey DP, et al. **J Thorac Cardiovasc Surg** 1983 Dec;86(6):864–77

Aortoplasty and aortic valve replacement for annuloaortic ectasia in an infant with Marfan's syndrome, forme fruste. Kawaguchi A, et al. **J Thorac Cardiovasc Surg** 1984 Apr; 87(4):631–4

Factors influencing postoperative survival in aortic regurgitation. Analysis by Cox regression model. Louagie Y, et al. **J Thorac Cardiovasc Surg** 1984 Aug;88(2):225–33

Performance characteristics of the Starr-Edwards Model 1260 aortic valve prosthesis beyond ten years. Miller DC, et al. **J Thorac Cardiovasc Surg** 1984 Aug;88(2):193–207

Echocardiographic and phonocardiographic characteristics of the Hall-Kaster aortic disc valve prosthesis. Nitter-Hauge S. **Life Support Syst** 1983 Jul–Sep; 1(3):165–71

Comparison of intraoperative flow measurements and haemodynamic findings at follow-up in patients with different aortic disc valve prostheses. Nitter-Hauge S, et al. **Life Support Syst** 1983 Apr–Jun;1(2):79–89

Relapsing polychondritis with glomerulonephritis and severe aortic insufficiency surgically treated with success. Mestres CA, et al. **Thorac Cardiovasc Surg** 1983 Oct;31(5):307–9

Orthotopic transplantation of aortic valve allografts. Early hemodynamic results. Yankah AC, et al. **Thorac Cardiovasc Surg** 1984 Apr;32(2):92–5

Surgical treatment of aneurysms of the ascending aorta associated with severe aortic regurgitation. Antunes MJ, et al. **Thorax** 1984 Apr;39(4):305–10

[Role of surgery in the treatment of chronic aortic insufficiency] Luxereau P, et al. **Ann Cardiol Angeiol (Paris)** 1983 Nov;32(7):473–8 (Eng. Abstr.) **(Fre)**

[Chronic aortic insufficiency with major left ventricle failure.ion. Results of aortic valve replacement and study of prognosis] Delaye J, et al. **Arch Mal Coeur** 1983 Nov; 76(11):1252–60 (Eng. Abstr.) **(Fre)**

[Aortic valve replacement with simultaneous aorto-coronary bypass operation 1969–1980] Valli C, et al. **Schweiz Med Wochenschr** 1984 Mar 24;114(12):399–406 (Eng. Abstr.) **(Ger)**

[Indications for heart valve surgery from a cardiological viewpoint] Kaindl F, et al. **Wien Med Wochenschr** 1984 Mar 15;134(5):99–106 **(Ger)**

[Hemodynamic rest and stress studies following implantation of various aortic valve prostheses] Horstkotte D, et al. **Z Kardiol** 1983 Aug;72(8):429–37 (Eng. Abstr.) **(Ger)**

[Aortic valve substitution for brucellar endocarditis] Calafiore AM, et al. **Minerva Cardioangiol** 1983 Jul–Aug; 31(7–8):439–42 (Eng. Abstr.) **(Ita)**

[Echocardiography evaluation of operative procedures for rheumatic aortic valvular diseases] Yoshima H, et al. **J Cardiogr** 1983 Mar;13(1):15–21 (Eng. Abstr.) **(Jpn)**

[Valve replacement surgery for a case of aortic valve regurgitation associated with persistent left superior vena cava] Ishimaru S, et al. **Kokyu To Junkan** 1984 May; 32(5):523–6 (Eng. Abstr.) **(Jpn)**

[Case report of congenital bicuspid aortic valves associated with aortic valve prolapse and displacement of the coronary arteries] Akiyama K, et al. **Kyobu Geka** 1983 Dec; 36(11):909–14 (Eng. Abstr.) **(Jpn)**

[Cervical aortic arch with severe aortic regurgitation and aneurysm of sinus of Valsalva--report of a case with successful surgical intervention] Hasegawa T, et al. **Kyobu Geka** 1983;36(7):570–5 (Eng. Abstr.) **(Jpn)**

[One stage operation of sternal turnover and Bentall operation for a case of severe Marfan syndrome] Hino T, et al. **Kyobu Geka** 1983 Dec;36(11):882–9 **(Jpn)**

[One-step operation for annulo-aortic ectasia complicated with descending aortic aneurysm] Morio S, et al. **Kyobu Geka** 1984 Jan;37(1):65–8 (Eng. Abstr.) **(Jpn)**

[Surgical management of bacterial endocarditis of the aortic valve with an aortic-left ventricular discontinuity] Sugimura S, et al. **Kyobu Geka** 1984 Apr;37(4):268–72 (Eng. Abstr.) **(Jpn)**

[Cabrol procedure for annuloaortic ectasia] Murakami T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Sep; 31(9):1436–40 (Eng. Abstr.) **(Jpn)**

[Bentall's procedure for annulo aortic ectasia with nondisplaced coronary ostia] Nakano M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Jun;31(6):955–61 (Eng. Abstr.) **(Jpn)**

[Mitral valve repair and aortic valve replacement with Puig Massana-Shiley annuloplasty ring] Ninomiya J, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Jul;31(7):1188–92 (Eng. Abstr.) **(Jpn)**

[Two-stage operation for aortic regurgitation and esophageal varices associated with liver cirrhosis, with special reference to pulsatile extra-corporeal circulation] Odagiri S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Sep; 31(9):1337–43 (Eng. Abstr.) **(Jpn)**

[Surgery of chronic aortic regurgitation: assessment of the natural history, surgical indication and effect of surgery on the basis of echocardiographic findings] Ohta T. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Oct; 31(10):1485–97 (Eng. Abstr.) **(Jpn)**

[Aortic regurgitation following closure of ventricular septal defect. Report of two cases with successful surgical treatment in early and late stages] Amano S, et al. **Rinsho Kyobu Geka** 1984 Jan;4(1):66–70 (Eng. Abstr.) **(Jpn)**

[Management of valve detachment following aortic valve replacement in aortic regurgitation due to aortitis] Kawazoe K, et al. **Rinsho Kyobu Geka** 1984 May;4(3):372–5 (Eng. Abstr.) **(Jpn)**

[The management of a pregnant woman complicated with severe aortic insufficiency and placenta previa by aortic valve replacement, cesarean section and total hysterectomy] Shigenobu M, et al. **Rinsho Kyobu Geka** 1984 Mar;4(2):211–7 (Eng. Abstr.) **(Jpn)**

[Serial changes in the left ventricular function after correction of annuloaortic ectasia by Cabrol's procedure] Shigenobu M. **Rinsho Kyobu Geka** 1984 May;4(3):361–8 (Eng. Abstr.) **(Jpn)**

[Surgical treatment of aortic coarctation associated with aortic defects] Konstantinov BA, et al. **Grudn Khir** 1984 Jan–Feb;(1):9–13 (Eng. Abstr.) **(Rus)**

[Results of the surgical treatment of ventricular septal defects with aortic valve insufficiency] Konstantinov BA, et al. **Khirurgiia (Mosk)** 1983 Dec;(12):19–24 (Eng. Abstr.) **(Rus)**

[Perioperative death prediction in severe chronic aortic insufficiency] Berensztein CS, et al. **Medicina (B Aires)** 1983;43(6 Pt 1):665–70 (Eng. Abstr.) **(Spa)**

[Radical surgical treatment of annuloaortic ectasia. Analysis of a series of 21 consecutive patients] Iglesias A, et al. **Rev Esp Cardiol** 1984 Jul–Aug;37(4):271–6 (Eng. Abstr.) **(Spa)**

[Aortic valve replacement in ankylopoietic spondylitis] Mestres CA, et al. **Rev Esp Cardiol** 1983;36(6):505–7 (Eng. Abstr.) **(Spa)**

THERAPY

The management of valvular heart disease in children. Folger GM Jr. **Angiology** 1984 Jun;35(6):341–57

Effect of the positioning of a balloon valve in the aorta on coronary flow during aortic regurgitation. Antonatos PG, et al. **J Thorac Cardiovasc Surg** 1984 Jul;88(1):128–33

AORTIC VALVE STENOSIS

see related
IDIOPATHIC HYPERTROPHIC SUBVALVULAR STENOSIS

[Pre- and postoperative ECG follow-up in children with congenital aortic stenosis in comparison with the ECGs of healthy children] Kautzsch G, et al. **Padiatr Grenzgeb** 1984;23(2):107–16 (Eng. Abstr.) **(Ger)**

BLOOD

Myocardial lactate metabolism during pacing induced angina pectoris. Ihlen H, et al. **Scand J Clin Lab Invest** 1983 Feb; 43(1):1–7

COMPLICATIONS

Ventricular arrhythmias in aortic valve disease: analysis of 102 patients. Klein RC. **Am J Cardiol** 1984 Apr 1; 53(8):1079–83

Cardiac conduction defects in patients older than 60 years with aortic stenosis with and without mitral anular calcium. Nair CK, et al. **Am J Cardiol** 1984 Jan 1;53(1):169–72

Prevalence of coronary artery disease in patients with isolated aortic valve stenosis. Exadactylos N, et al. **Br Heart J** 1984 Feb;51(2):121–4

Presentation of hypercalcaemia [letter] Frais MA. **Br J Hosp Med** 1984 Jun;31(6):454

Effect of chronic digoxin treatment on cardiac function, electrolytes and ATPase in failing heart due to pressure overload. O'Neil CL, et al. **Cardiovasc Res** 1984 Aug; 18(8):502–10

The prevalence of myocardial bridging and septal squeeze in patients with significant aortic stenosis. Kramer JR, et al. **Cleve Clin Q** 1984 Spring;51(1):35–8

The aortic valve. Colonic axis. Shbeeb I, et al. **Dis Colon Rectum** 1984 Jan;27(1):38–41

Cardiac hypertrophy in surgically denervated dogs with aortic stenosis. Matoba T, et al. **Experientia** 1984 Jan 15; 40(1):73–5

Endomyocardial fibrosis with valvular heart disease (report of four cases). Oommen R, et al. **Indian J Pathol Microbiol** 1983 Jan;26(1):49–53

Morphologic investigation of coronary arteries subjected to hypertension by experimental supravalvular aortic stenosis in dogs. Meairs S, et al. **Lab Invest** 1984 Apr;50(4):469–79

[Echographic evaluation of the severity of aortic stenosis in cases with associated mitral stenosis] M'Zah N, et al. **Ann Cardiol Angeiol (Paris)** 1984 Jul–Sep;33(5):295–9 (Eng. Abstr.) **(Fre)**

[Aortic stenosis in adults: contribution of catheterization to the study of associated lesions. Apropos of 137 cases] Crochet D, et al. **Arch Mal Coeur** 1983 Sep;76(9):1057–64 (Eng. Abstr.) **(Fre)**

[Systemic calcific emboli in calcified aortic valve diseases. Apropos of an anatomical case] Auriol M, et al. **Sem Hop Paris** 1983 Sep 8;59(31):2195–8 (Eng. Abstr.) **(Fre)**

[Left atrial myxoma and calcified aortic stenosis in a patient with syncope] Dalmasso M, et al. **G Ital Cardiol** 1983 Sep; 13(9):202–4 (Eng. Abstr.) **(Ita)**

[Clinical conference at the Department of Surgery, Kawasaki Medical School. 2. Aortic valve stenosis associated with abnormalities of the right aortic arch and the origin of the left subclavian artery] **Kyobu Geka** 1983 Dec;36(11):924–7 **(Jpn)**

[Rheumatic valvular disease associated with hyperthyroidism] Fujiwara T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Aug;31(8):1315–9 (Eng. Abstr.) **(Jpn)**

[Successful treatment of left ventricular aneurysm caused by aortic stenosis] Kakihara R, et al. **Rinsho Kyobu Geka** 1983 May;3(3):351–5 (Eng. Abstr.) **(Jpn)**

[Calcified aortic stenosis and recurring gastrointestinal hemorrhage controlled by aortic valve replacement] Aliaga L, et al. **Med Clin (Barc)** 1984 Jun 9;83(2):67–70 (Eng. Abstr.) **(Spa)**

CONGENITAL

Non–Ebstein concomitant dyspiasia of tricuspid and mitral valves in newborns. Gallo P, et al. **Appl Pathol** 1983; 1(5):283–9

Idiopathic infantile hypercalcaemia—a continuing enigma. Martin ND, et al. **Arch Dis Child** 1984 Jul;59(7):605–13

Echocardiography in the diagnosis and management of symptomatic aortic valve stenosis in infants. Huhta JC, et al. **Circulation** 1984 Sep;70(3):438–44

Successful aortic valvotomy for severe congenital valvular aortic stenosis in the newborn infant. Messina LM, et al. **J Thorac Cardiovasc Surg** 1984 Jul;88(1):92–6

Reduced left ventricular size and endocardial fibroelastosis as correlates of mortality in newborns and young infants with severe aortic valve stenosis. Mocellin R, et al. **Pediatr Cardiol** 1983 Oct–Dec;4(4):265–72

[The reliability in electrocardiographic diagnosis of left ventricular hypertrophy in children with congenital aortic stenosis] Liang YC. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1984 Mar; 12(1):33–5 **(Chi)**

[Syndrome of supravalvular aortic stenosis (Williams–Beuren syndrome) in association with changes in the kidney and efferent urinary tract] Stoermer J, et al. **Monatsschr Kinderheilkd** 1984 Feb;132(2):110–2 (Eng. Abstr.) **(Ger)**

[Early detection and observation of the evolution of congenital malformations of the aorta in newborn infants, infants and young children] Swiderski J, et al. **Probl Med Wieku Rozwoj** 1979;8:133–43 (Eng. Abstr.) **(Pol)**

[Klippel–Feil syndrome associated with renal agenesia and heart defect in an 11-year-old girl] Krawczyński M, et al. **Wiad Lek** 1983 Sep 15;36(18):1527–31 (Eng. Abstr.) **(Pol)**

[Diagnosis and surgical treatment of congenital aortic stenosis in children in the 1st year of life] Burakovskiĭ VI, et al. **Grudn Khir** 1984 Jan–Feb;(1):5–9 (Eng. Abstr.) **(Rus)**

[Natural course of congenital aortic valve stenosis] Ignatov PI. **Vrach Delo** 1983 Aug;(8):33–4 (Eng. Abstr.) **(Rus)**

[Use of the stress test in the evaluation of congenital aortic stenosis in children] de la Morena G, et al. **Rev Esp Cardiol** 1984 Jul–Aug;37(4):282–5 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Electrocardiographic prediction of the severity of aortic valvular stenosis. Forssell G, et al. **Acta Med Scand** 1984; 215(1):43–6

Progression of isolated aortic stenosis: analysis of 29 patients having more than 1 cardiac catheterization. Nestico PF, et al. **Am J Cardiol** 1983 Nov 1;52(8):1054–8

Comparison of cinefluoroscopy and M mode echocardiography for detecting aortic valve calcification. Correlation with severity of stenosis of non-rheumatic aetiology. Dancy M, et al. **Br Heart J** 1984 Apr; 51(4):416–20

Evaluation of systolic murmurs by Doppler ultrasonography. Hoffmann A, et al. **Br Heart J** 1983 Oct;50(4):337–42

Echocardiographic evidence of increased mitral–aortic separation in discrete subaortic stenosis. Di Donato M, et al. **Cardiology** 1983;70(3):132–7

Value of treadmill exercise test in pre- and postoperative children with valvular aortic stenosis. Barton CW, et al. **Clin Cardiol** 1983 Oct;6(10):473–7

Echocardiographic assessment of left ventricular diastolic function in a normal population and a group of patients with myocardial hypertrophy. Bryhn M. **Clin Cardiol** 1984 Jun;7(6):335–40

Correlation between calcific aortic stenosis diagnosed by two-dimensional echocardiography and cardiac catheterization. Nair CK, et al. **Clin Cardiol** 1984 May; 7(5):280–2

Exercise testing in the evaluation of patients with valvular aortic stenosis. Areskog NH. **Clin Physiol** 1984 Jun; 4(3):201–8 (15 ref.)

Some aspects of the pathophysiology of hypertrophic cardiopathies. An echocardiographic computerized study. Bertazzoni G, et al. **Cor Vasa** 1983;25(6):432–5

Aortic valve disease. Hall RJ. **Eur Heart J** 1984 Mar;5 Suppl A:135–9 (22 ref.)

Aortic stenosis in the elderly. Thompson ME, et al. **Geriatrics** 1983 Oct;38(10):50–1, 55–9, 63–5

Evaluation of aortic stenosis by continuous wave Doppler ultrasound. Berger M, et al. **J Am Coll Cardiol** 1984 Jan; 3(1):150–6

Improved prediction of peak left ventricular pressure by echocardiography in children with aortic stenosis. Donner R, et al. **J Am Coll Cardiol** 1984 Feb;3(2 Pt 1):349–55

Are noninvasive tests sufficient for preoperative evaluation of aortic stenosis? Parisi AF, et al. **J Am Coll Cardiol** 1984 Apr;3(4):1092–5

Noninvasive determination of pressure gradients in children: two methods employing pulsed Doppler echocardiography. Stevenson JG, et al. **J Am Coll Cardiol** 1984 Jan;3(1):179–92

Echocardiographic observations in a case of discrete membranous subaortic stenosis with a stenotic bicuspid aortic valve—a pre- and post-operative study (a case report). Kulkarni DR, et al. **J Postgrad Med** 1983 Jul; 29(3):177–80

A clinical and electrocardiographic method of assessing the severity of aortic stenosis. Anjorin FI, et al. **Trans R Soc Trop Med Hyg** 1984;78(1):69–72

[Non-invasive quantitative diagnosis of aortic stenosis with special reference to Frank's scalar ECG] Schneider P, et al. **Kinderarztl Prax** 1984 Jan;52(1):38–46 (Eng. Abstr.) **(Ger)**

[Invasive and non-invasive methods for the evaluation of left ventricle function in patients with aortic insufficiency] Turgeman Y, et al. **Harefuah** 1983 Sep;105(5–6):119–22 (25 ref.) **(Heb)**

[Systolic ejection murmur in the differential diagnosis of isolated aortic insufficiency and its association with stenosis] Gemelli A, et al. **Minerva Med** 1984 Jul 14; 75(28–29):1701–6 (Eng. Abstr.) **(Ita)**

[Syndrome of supravalvular aortic stenosis in children] Bliumina MG. **Pediatriia** 1984 Apr;(4):16–9 (Eng. Abstr.) **(Rus)**

[A new pre-shaped catheter for aortic valve stenosis] Esplugas E, et al. **Rev Esp Cardiol** 1984 Mar–Apr; 37(2):94–8 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Effect of prolonged prazosin treatment on hemodynamic and biochemical changes in the dog heart due to chronic pressure overload. Prasad K, et al. **Jpn Heart J** 1984 May; 25(3):461–76

ETIOLOGY

Diabetes and hypercholesterolemia among patients with calcific aortic stenosis. Deutscher S, et al. **J Chronic Dis** 1984;37(5):407–15

Early experience with the ionescu-shiley pericardial xenograft valve. Accelerated calcification in children. Walker WE, et al. **J Thorac Cardiovasc Surg** 1983 Oct; 86(4):570–5

[Progression of coronary stenosis following aorto-coronary bypass surgery] Goebel N, et al. **Schweiz Med Wochenschr** 1983 Nov 12;113(45):1656–8 (Eng. Abstr.) **(Ger)**

FAMILIAL & GENETIC

[Familial supravalvular aortic stenosis] Yano Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Jul;31(7):1141–7 (Eng. Abstr.) **(Jpn)**

METABOLISM

[Effect of coenzyme Q10 administration in experimental aortic stenosis and tachycardia] Igarashi K, et al. **Kokyu To Junkan** 1984 Jun;32(6):591–4 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Noninvasive evaluation of the severity of aortic stenosis in adult patients. Nakamura T, et al. **Am Heart J** 1984 May; 107(5 Pt 1):959–66

Noninvasive quantification of stenotic semilunar valve areas by Doppler echocardiography. Kosturakis D, et al. **J Am Coll Cardiol** 1984 May;3(5):1256–62

The stereomorphologic disposition of the muscular capillary network. Experimental research into the effect of training, age, arterial insufficiency and chronic treatment with EPL. Brotzu G, et al. **J Sports Med Phys Fitness** 1984 Mar; 24(1):1–12

Stereomorphological arrangement of capillaries in skeletal muscle in normal and stenosed young and adult rats. Brotzu G, et al. **Microvasc Res** 1984 May;27(3):286–9

[Williams–Beuren facies with mental retardation and tetralogy of Fallot] Pernot C, et al. **Pediatrie** 1984 Jan–Feb; 39(1):53–8 (Eng. Abstr.) **(Fre)**

[Pathology review. Calcified aortic stenosis] Castillo–Staab M. **Bol Asoc Med PR** 1984 Jun;76(6):237–8 **(Spa)**

PHYSIOPATHOLOGY

Mechanics of pulsus alternans in aortic valve stenosis. Laskey WK, et al. **Am J Cardiol** 1983 Oct 1;52(7):809–12

Mechanics of pulsus alternans in aortic valve stenosis [letter] McCormick PJ. **Am J Cardiol** 1984 Jul 1;54(1):245–6

R-wave amplitude changes during exercise in adolescents with left ventricular pressure and volume overload. Wright S, et al. **Am J Cardiol** 1983 Oct 1;52(7):841–6

Function of the hypertrophied left ventricle at rest and during exercise. Hypertension and aortic stenosis. Borer JS, et al. **Am J Med** 1983 Sep 26;75(3A):34–9

Fluid dynamics of aortic stenosis: mechanisms for the presence of subvalvular pressure gradients. Pasipoularides A, et al. **Am J Physiol** 1984 Apr;246(4 Pt 2):H542–50

HV interval in calcific aortic stenosis. Relation to left ventricular function and effect of valve replacement. Rasmussen K, et al. **Br Heart J** 1984 Jul;52(1):82–6
Pulsus alternans: its influence on systolic and diastolic function in aortic valve disease. Hess OM, et al. **J Am Coll Cardiol** 1984 Jul;4(1):1–7
Duration of ejection in aortic stenosis: effect of stroke volume and pressure gradient. Kligfield P, et al. **J Am Coll Cardiol** 1984 Jan;3(1):157–61
Ejection time and heart rate in aortic stenosis [letter] Spodick DH. **J Am Coll Cardiol** 1984 Jun;3(6):1581
Velocity measurements in steady flow through axisymmetric stenoses at moderate Reynolds numbers. Ahmed SA, et al. **J Biomech** 1983;16(7):505–16
A model investigation of the velocity and pressure spectra in vascular murmurs. Lu PC, et al. **J Biomech** 1983; 16(11):923–31
Valvular aortic stenosis. Gilmore RN. **J La State Med Soc** 1984 Apr;136(4):6–11
Multiple aortic root echoes: clinical, radiographic, and angiographic correlations. Butman S, et al. **JCU** 1984 May; 12(4):187–94
Severe left ventricular dysfunction in critical aortic stenosis—reversal following aortic valve replacement. Dymond DS, et al. **Postgrad Med J** 1983 Dec;59(698):781–3
Nitrates in aortic valve disease: acute and chronic effects. Tebbe U, et al. **Z Kardiol** 1983;72 Suppl 3:152–5
[Transcutaneous aortovelography in the diagnosis of aortic stenosis in children and adolescents] Kopecká B, et al. **Cesk Pediatr** 1984 Mar;39(3):163–8 (Eng. Abstr.) **(Cze)**
[Pulsed Doppler echocardiography in aortic valve disease] Mattern H, et al. **Klin Wochenschr** 1984 Jun 1;62(11):533–42 (Eng. Abstr.) **(Ger)**
[Action of pentoxifylline on the velocity of aortic blood in valvular stenosis of the aorta] Orlando E, et al. **Minerva Cardioangiol** 1983 Sep;31(9):529–34 (Eng. Abstr.) **(Ita)**
[Coronary blood flow during acute aortic stenosis] Igarashi K. **Kokyu To Junkan** 1984 Apr;32(4):385–8 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

Angiographic estimation of poststenotic jet kinetics in aortic valve stenosis. Henriksson L. **Acta Radiol [Diagn] (Stockh)** 1984;25(3):185–8
Radiologic detection of aortic stenosis. Szamosi A, et al. **Acta Radiol [Diagn] (Stockh)** 1983;24(3):201–7
Assessment of quantitative indices of arterial stenosis derived from intravenous digital subtraction angiography. Peck WW, et al. **Am Heart J** 1984 Sep;108(3 Pt 1):591–7
[Unusual contrast medium distribution in the left ventricular myocardium in infants with a high degree of aortic valve stenosis and endocardial fibroelastosis. Pathologico-morphologic findings] Hallmann U, et al. **Z Kardiol** 1983 Nov;72(11):675–80 (Eng. Abstr.) **(Ger)**
[Supravalvular aortic stenosis of membranous type: a case report] Morimoto K, et al. **Rinsho Hoshasen** 1980 Dec; 25(13):1377–80 (Eng. Abstr.) **(Jpn)**

SURGERY

Juxtarenal aortic atherosclerosis. Surgical experience and functional result. Stoney RJ, et al. **Ann Surg** 1984 Sep; 200(3):345–54
Apicoaortic valved conduits for complex left ventricular outflow obstruction: technical considerations and current status. Brown JW, et al. **Ann Thorac Surg** 1984 Aug; 38(2):162–8
AVR and coronary bypass [letter] Juffe A, et al. **Ann Thorac Surg** 1984 Jul;38(1):91
Early results of valve replacement with the Björk–Shiley convexoconcave prosthesis. Marshall WG Jr, et al. **Ann Thorac Surg** 1984 May;37(5):398–403
The prognostic value of intraoperative pressure gradients with congenital aortic stenosis. Mavroudis C, et al. **Ann Thorac Surg** 1984 Sep;38(3):237–41
Surgical management of univentricular heart with subaortic obstruction. Park SC, et al. **Ann Thorac Surg** 1984 May; 37(5):417–21
Management of renovascular problems during aortic operations. Perry MO, et al. **Arch Surg** 1984 Jun; 119(6):681–5
Enlargement of the narrow aortic root and oblique insertion of a St Jude prosthesis. Kinsley RH, et al. **Br Heart J** 1983 Oct;50(4):330–2
Aortic valve replacement in patients with aortic stenosis. Effect on cardiac arrhythmias. Kostis JB, et al. **Chest** 1984 Feb;85(2):211–4
The patient after cardiac valve surgery—risks and complications. Parker DJ. **Eur Heart J** 1984 Mar;5 Suppl A:141–5 (30 ref.)
Valve replacement for aortic valve disease. Flanagan M, et al. **Ir Med J** 1983 Aug;76(8):338–40
Cardiac catheterization before aortic valve replacement in patients with aortic stenosis [editorial] Schlant RC. **J Am Coll Cardiol** 1984 Apr;3(4):1096
Aortic valve replacement in elderly patients. Glock Y, et al. **J Cardiovasc Surg (Torino)** 1984 May–Jun;25(3):205–10
Left ventricle–aortic conduits in pediatric patients. DiDonato RM, et al. **J Thorac Cardiovasc Surg** 1984 Jul;88(1):82–91
A turnover operation for pectus excavatum at the time of correction of intracardiac defects. Doty DB, et al. **J Thorac Cardiovasc Surg** 1983 Nov;86(5):787–90
Performance characteristics of the Starr–Edwards Model 1260 aortic valve prosthesis beyond ten years. Miller DC, et al. **J Thorac Cardiovasc Surg** 1984 Aug;88(2):193–207
The late prognosis after localized resection for fixed (discrete and tunnel) left ventricular outflow tract obstruction. Moses RD, et al. **J Thorac Cardiovasc Surg** 1984 Mar; 87(3):410–20
Management of infants with left ventricular outflow obstruction by conduit interposition between the ventricular apex and thoracic aorta. Norwood WI, et al. **J Thorac Cardiovasc Surg** 1983 Nov;86(5):771–6
Management of critical aortic stenosis in infancy. Sink JD, et al. **J Thorac Cardiovasc Surg** 1984 Jan;87(1):82–6
Comparison of intraoperative flow measurements and haemodynamic findings at follow-up in patients with different aortic disc valve prostheses. Nitter-Hauge S, et al. **Life Support Syst** 1983 Apr–Jun;1(2):79–89
Echocardiographic and phonocardiographic characteristics of the Hall–Kaster aortic disc valve prosthesis. Nitter-Hauge S. **Life Support Syst** 1983 Jul–Sep; 1(3):165–71
[Anticipation of surgical results in calcified aortic stenosis as a function of age] Luxereau P, et al. **Ann Med Interne (Paris)** 1983;134(7):614–8 (Eng. Abstr.) **(Fre)**
[Prosthesis endocarditis with embolization of a Smeloff–Cutter aortic valve prosthesis. Diagnosis, surgical management, clinical and hemodynamic course to 3 years' postoperative follow-up] Horstkotte D, et al. **Z Kardiol** 1983 Aug;72(8):476–80 (Eng. Abstr.) **(Ger)**
[Hemodynamic rest and stress studies following implantation of various aortic valve prostheses] Horstkotte D, et al. **Z Kardiol** 1983 Aug;72(8):429–37 (Eng. Abstr.) **(Ger)**
[Left branch block in alternating phase 4. Considerations on an observation] Greco C, et al. **Boll Soc Ital Cardiol** 1982 Oct;27(10):997–1001 (Eng. Abstr.) **(Ita)**
[One-step surgery for WPW syndrome complicated with aortic stenosis] Kamata E, et al. **Kyobu Geka** 1984 Jan; 37(1):69–72 (Eng. Abstr.) **(Jpn)**
[Patch enlargement of the aortic and mitral valve rings] Nakano S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Sep;31(9):1479–83 (Eng. Abstr.) **(Jpn)**
[Surgical treatment of calcific aortic stenosis] Shida T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Oct; 31(10):1601–6 (Eng. Abstr.) **(Jpn)**
[Patch-enlargement of a narrow aortic annulus—right coronary cusp approach] Soma Y, et al. **Rinsho Kyobu Geka** 1983 Sep;3(5):529–32 **(Jpn)**
[Surgical procedure in congenital valvular stenosis of the aorta based on a study of immediate and late treatment results] Bukharin VA, et al. **Grudn Khir** 1984 Mar–Apr; (2):11–7 (Eng. Abstr.) **(Rus)**
[Clinical picture, diagnosis and surgical treatment of congenital supravalvular stenosis of the aorta] Bukharin VA, et al. **Grudn Khir** 1983 Jul–Aug;(4):5–11 (Eng. Abstr.) **(Rus)**
[Surgical treatment of aortic coarctation associated with aortic defects] Konstantinov BA, et al. **Grudn Khir** 1984 Jan–Feb;(1):9–13 (Eng. Abstr.) **(Rus)**
[Occlusive aorto-arteropathies: surgical treatment and long-term results in 4 cases treated surgically] Astolfi D, et al. **Arch Inst Cardiol Mex** 1983 Jul–Aug;53(4):343–9 (Eng. Abstr.) **(Spa)**

THERAPY

Percutaneous balloon aortic valvuloplasty: results in 23 patients. Lababidi Z, et al. **Am J Cardiol** 1984 Jan 1; 53(1):194–7
Prophylactic replacement of a Starr–Edwards model 1000 aortic valve prosthesis in place for 20 years. Vlay SC, et al. **Am J Cardiol** 1984 Mar 15;53(7):969
The management of valvular heart disease in children. Folger GM Jr. **Angiology** 1984 Jun;35(6):341–57
Assessment of percutaneous balloon pulmonary and aortic valvuloplasty. Walls JT, et al. **J Thorac Cardiovasc Surg** 1984 Sep;88(3):352–6
[Hyperbaric oxygenation as a treatment method for the pain syndrome of patients with aortic heart defects] Kun IS, et al. **Ter Arkh** 1984;56(4):135–6 **(Rus)**

VETERINARY

Echocardiographic assessment of congenital aortic stenosis in dogs. Wingfield WE, et al. **J Am Vet Med Assoc** 1983 Sep 15;183(6):673–6

AORTITIS

CHEMICALLY INDUCED

Chronic aortitis following furosemide therapy. Sommers SC, et al. **Arch Pathol Lab Med** 1984 Apr;108(4):293–4
Experimental aortitis. Aortic lesions induced by a serine protease. Morooka S. **Jpn Heart J** 1983 Jul;24(4):615–22

COMPLICATIONS

Orthostatic hypertension with nephroptosis and aortitis disease. Takada Y, et al. **Arch Intern Med** 1984 Jan; 144(1):152–4
Successful angioplasty of renal artery stenosis due to aorto-arteritis. Tan AT, et al. **Cardiology** 1983;70(4):213–5
Chronic coronary periarteritis in two patients with chronic periaortitis. Mitchinson MJ, et al. **J Clin Pathol** 1984 Jan; 37(1):32–6
[Management of valve detachment following aortic valve replacement in aortic regurgitation due to aortitis] Kawazoe K, et al. **Rinsho Kyobu Geka** 1984 May;4(3):372–5 (Eng. Abstr.) **(Jpn)**
[Case of aortic valve insufficiency due to sclerosing periaortitis of tuberculous etiology] Shustval' NF, et al. **Vrach Delo** 1983 Sep;(9):49–50 **(Rus)**

ETIOLOGY

Distal aortitis complicating Reiter's syndrome. Morgan SH, et al. **Br Heart J** 1984 Jul;52(1):115–6
Bacteroides aortitis and aneurysm formation following arteriography. Sheehan JP. **J Infect** 1983 Sep;7(2):153–5
[Mycotic ulcerative aortitis after replacement of the aortic valve caused by the fungus Aspergillus restrictus] Pospíšil K, et al. **Vnitr Lek** 1984 Mar;30(3):292–7 (Eng. Abstr.) **(Cze)**
[Endarterial infections, redoubtable complications of non-typhi salmonella infections] Moreillon P, et al. **Schweiz Med Wochenschr** 1983 Dec 24;113(51):1953–5 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Primary aortitis in childhood. Jójárt G, et al. **Acta Paediatr Hung** 1983;24(2):159–68
Nonspecific aortoarteritis—immunological studies. Kinare SG, et al. **Indian Heart J** 1983 Nov–Dec;35(6):337–40

PATHOLOGY

Inflammatory lesions of aorta. Kinare SG, et al. **Indian J Med Res** 1983 Jun;77:865–72

PHYSIOPATHOLOGY

[Collagen diseases in children, with special reference to transition to an adult type] Okuni M. **Ryumachi** 1983 Dec; 23(6):389–91 **(Jpn)**
[Circulation in the extremities in occlusion of the major vessels] Sergeeva KA, et al. **Klin Med (Mosk)** 1984 Jun; 62(6):85–8 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Computed tomographic observations in periaortitis: a hypothesis. Dixon AK, et al. **Clin Radiol** 1984 Jan; 35(1):39–42
[Aortic syndrome] Rodríguez Jornet A, et al. **Rev Clin Esp** 1984 May 15;173(3):187–9 **(Spa)**

SURGERY

[Late results of surgical treatment of renovascular hypertension in children and adolescents] Namazbekov MN, et al. **Vestn Khir** 1984 Jun;132(6):74–7 (Eng. Abstr.) **(Rus)**
[Surgical treatment of combined lesions of the proximal aortic arch using extrathoracic methods] Pokrovskil AV, et al. **Vestn Khir** 1984 Jul;132(7):3–10 (Eng. Abstr.) **(Rus)**

THERAPY

Usefulness of percutaneous transluminal angioplasty for aortitis syndrome. Yagura M, et al. **Arch Intern Med** 1984 Jul;144(7):1465–8

AORTITIS, SYPHILITIC see **SYPHILIS, CARDIOVASCULAR**

AORTOCORONARY BYPASS

Effects of nitroglycerin on central haemodynamics and VA/Q distribution during ventilation with FIO2 = 1.0 in patients after coronary bypass surgery. Anjou-Lindskog E, et al. **Acta Anaesthesiol Scand** 1984 Feb;28(1):27–33
Effects of oxygen on central haemodynamics and VA/Q distribution after coronary bypass surgery. Anjou-Lindskog E, et al. **Acta Anaesthesiol Scand** 1983 Oct;27(5):378–84
Effects of enflurane–nitrous oxide anaesthesia and surgical stimulation on regional coronary haemodynamics in a patient with LAD bypass graft. Reiz S. **Acta Anaesthesiol Scand** 1983 Oct;27(5):417–20
Coronary artery surgery in patients with myxoedema. Holvoet G, et al. **Acta Cardiol (Brux)** 1984;39(2):139–45
Myocardial preservation using a modified Bretschneider cardioplegic solution during open heart surgery in adults. Colanceski V. **Acta Chir Iugosl** 1984;31(1):73–9
Surgical treatment of acute myocardial infarction. Kirklin JK, et al. **Ala J Med Sci** 1984 Apr;21(2):175–7
Discussing coronary artery surgery with the patient. Katz NM. **Am Fam Physician** 1984 Jan;29(1):123–31
Preservation of interventricular septal function in patients having coronary artery bypass grafts without cardiopulmonary bypass. Akins CW, et al. **Am Heart J** 1984 Feb;107(2):304–9
The chronic coronary flow reserve provided by saphenous vein bypass grafts as determined by digital coronary radiography. Bates ER, et al. **Am Heart J** 1984 Sep;108(3 Pt 1):462–8
Intraoperative balloon-catheter dilatation: University of

Florida experience. Faro RS, et al. **Am Heart J** 1984 Apr; 107(4):841–4

Intraoperative coronary artery balloon–catheter dilatation. Fogarty TJ, et al. **Am Heart J** 1984 Apr;107(4):845–51

Computer–derived treadmill exercise score quantifies the degree of revascularization and improved exercise performance after coronary artery bypass surgery. Hollenberg M, et al. **Am Heart J** 1983 Nov;106(5 Pt 1):1096–104

Follow–up of patients from the coronary artery surgery study (CASS) potentially suitable for percutaneous transluminal coronary angioplasty. Holmes DR Jr, et al. **Am Heart J** 1983 Nov;106(5 Pt 1):981–8

Coronary arterial revascularization in an adult with congenitally corrected transposition. Jennings HS 3d, et al. **Am Heart J** 1984 Sep;108(3 Pt 1):598–600

Comparison of coronary artery bypass surgery and percutaneous transluminal coronary angioplasty including surgery for failed angioplasty. Jones EL, et al. **Am Heart J** 1984 Apr;107(4):830–5

Intraoperative balloon–catheter dilatation in the treatment of coronary artery disease. Jones EL, et al. **Am Heart J** 1984 Apr;107(4):836–7

Experience with operative transluminal balloon–catheter dilatation of the coronary arteries. Mills NL, et al. **Am Heart J** 1984 Apr;107(4):838–40

Issues in the natural history and treatment of coronary heart disease in black populations: surgical treatment. Oberman A, et al. **Am Heart J** 1984 Sep;108(3 Pt 2):688–94

Intraoperative retrograde balloon–catheter dilatation to augment myocardial revascularization. Ross AM, et al. **Am Heart J** 1984 Apr;107(4):851–5

Role of coronary artery bypass surgery after intracoronary streptokinase infusion for myocardial infarction. Walker WE, et al. **Am Heart J** 1984 Apr;107(4):826–9

Adjunctive operative coronary artery balloon–catheter dilatation: review of Lenox Hill experience. Wallsh E, et al. **Am Heart J** 1984 Apr;107(4):856–8

Surgical intervention for failed percutaneous transluminal coronary angioplasty. Akins CW, et al. **Am J Cardiol** 1984 Jun 15;53(12):108C–111C

Progression of atherosclerosis in coronary arteries and bypass grafts: ten years later. Bourassa MG, et al. **Am J Cardiol** 1984 Jun 15;53(12):102C–107C

Intracoronary thrombolysis for acute myocardial infarction late after bypass surgery: value of lead V4R. Braat SH, et al. **Am J Cardiol** 1984 Feb 1;53(4):637–9

Emergency coronary bypass surgery after coronary angioplasty: the National Heart, Lung, and Blood Institute's Percutaneous Transluminal Coronary Angioplasty Registry experience. Cowley MJ, et al. **Am J Cardiol** 1984 Jun 15; 53(12):22C–26C

Five–year effect of medical and surgical therapy on resting left ventricular function in stable angina: Veterans Administration Cooperative Study. Detre KM, et al. **Am J Cardiol** 1984 Feb 1;53(4):444–50

Relation between QRS changes and left ventricular function after coronary artery bypass grafting. Floyd RD, et al. **Am J Cardiol** 1983 Nov 1;52(8):943–9

Potential for percutaneous transluminal coronary angioplasty before initial and repeat coronary artery bypass grafting in the Coronary Artery Surgery Study (CASS) Registry population. Foster ED, et al. **Am J Cardiol** 1984 Jun 15; 53(12):112C–115C

Prediction of maximal cardiac output in preoperative patients with coronary artery disease. Hossack KF, et al. **Am J Cardiol** 1983 Oct 1;52(7):721–6

Effect of coronary artery bypass grafting on left ventricular response to isometric exercise. Huikuri HV, et al. **Am J Cardiol** 1984 Sep 1;54(6):514–8

Determinants of reperfusion cardiac electrical activity after cold cardioplegic arrest during coronary bypass surgery. Lake CL, et al. **Am J Cardiol** 1984 Sep 1;54(6):519–25

Coronary artery bypass surgery during pregnancy. Majdan JF, et al. **Am J Cardiol** 1983 Nov 1;52(8):1145–6

Characteristics and outcome of medical nonadherers in the Veterans Administration Cooperative Study of Coronary Artery Surgery. Parisi AF, et al. **Am J Cardiol** 1984 Jan 1;53(1):23–8

The coronary artery surgery study (CASS): do the results apply to your patient? Roberts WC, et al. **Am J Cardiol** 1984 Aug 1;54(3):440–3

Ventricular arrhythmias during exercise testing: mechanism, response to coronary bypass surgery and prognostic significance. Weiner DA, et al. **Am J Cardiol** 1984 Jun 1;53(11):1553–7

Left main coronary artery disease in a 19–year–old woman. Treatment by saphenous vein grafting. Head GB 3d, et al. **Am J Med** 1984 Feb;76(2):324–8

Pituitary apoplexy associated with cardiac surgery. Slavin ML, et al. **Am J Ophthalmol** 1984 Sep 15;98(3):291–6

Acute hypoferremia following cardiac surgery. Ballantyne GH, et al. **Am Surg** 1984 Aug;50(8):450–3

A report on the use of the new Capiox hollow–fibre membrane oxygenator. Dodson H, et al. **Anaesth Intensive Care** 1984 May;12(2):155–8

Osmolal excretion after open heart surgery. Read DH, et al. **Anaesthesia** 1983 Nov;38(11):1053–61

Circulatory effects of isoflurane in patients with ischemic heart disease: a comparison with halothane. Bastard OG, et al. **Anesth Analg** 1984 Jul;63(7):635–9

Inhalational anesthesia for coronary revascularization [letter] Flashburg MH. **Anesth Analg** 1983 Nov;62(11):1047–8

Intraoperative detection of myocardial ischemia with an ST segment trend monitoring system. Kotrly KJ, et al. **Anesth Analg** 1984 Mar;63(3):343–5

Preoperative nifedipine management [letter] Lyons TE. **Anesth Analg** 1983 Dec;62(12):1138

Cardiovascular effects of pancuronium and vecuronium during high–dose fentanyl anesthesia. Salmenperä M, et al. **Anesth Analg** 1983 Dec;62(12):1059–64

High–dose hydromorphone (Dilaudid) for coronary artery bypass surgery. Welti RS, et al. **Anesth Analg** 1984 Jan; 63(1):55–9

Narcotic requirements for intravenous anesthesia. Wynands JE, et al. **Anesth Analg** 1984 Feb;63(2):101–5

A comparison of two regimens for the management of diabetes during open–heart surgery. Elliott MJ, et al. **Anesthesiology** 1984 Apr;60(4):364–8

ECG changes with papaverine injection into coronary artery bypass grafts [letter] Mahomed Y, et al. **Anesthesiology** 1984 Sep;61(3):350–2

Influence of propranolol plasma levels on hemodynamics during coronary artery bypass surgery. Sill JC, et al. **Anesthesiology** 1984 May;60(5):455–63

Preoperative cessation of smoking and pulmonary complications in coronary artery bypass patients. Warner MA, et al. **Anesthesiology** 1984 Apr;60(4):380–3

Hypotension secondary to air trapping treated with expiratory flow retard. Weng JT, et al. **Anesthesiology** 1984 Apr;60(4):350–3

Surgical treatment of unstable angina pectoris. Huttunen K, et al. **Ann Chir Gynaecol** 1983;72(5):253–6

Alteration in thyroid hormone concentration during and after coronary bypass operation. Paschen U, et al. **Ann Endocrinol (Paris)** 1983;44(4):239–42

Avoidance of blood transfusion in coronary artery surgery: a trial of hydroxyethyl starch. Belcher P, et al. **Ann Thorac Surg** 1984 May;37(5):365–70

Patient selection and results of simultaneous coronary and carotid artery procedures. Berkoff HA, et al. **Ann Thorac Surg** 1984 Aug;38(2):172–5

Combined aortocoronary bypass and intraoperative transluminal angioplasty in left main coronary artery disease. Caralps JM, et al. **Ann Thorac Surg** 1984 Apr; 37(4):291–4

Intraoperative transluminal balloon catheter dilation [letter] Caralps JM, et al. **Ann Thorac Surg** 1983 Nov;36(5):610

Effect of ticlopidine on saphenous vein bypass patency rates: a double–blind study. Chevigné M, et al. **Ann Thorac Surg** 1984 May;37(5):371–8

Calcium channel blockers: an intraoperative and postoperative trial in women. Hicks GL Jr, et al. **Ann Thorac Surg** 1984 Apr;37(4):319–23

AVR and coronary bypass [letter] Juffe A, et al. **Ann Thorac Surg** 1984 Jul;38(1):91

Trends in selection and results of coronary artery operations [editorial] Mills NL. **Ann Thorac Surg** 1983 Oct;36(4):373–4

Relative efficacy of left ventricular venting and venous drainage techniques commonly used during coronary artery bypass graft surgery. Roberts AJ, et al. **Ann Thorac Surg** 1983 Oct;36(4):444–52

Persistent atrial activity during cardioplegic arrest: a possible factor in the etiology of postoperative supraventricular tachyarrhythmias. Tchervenkov CI, et al. **Ann Thorac Surg** 1983 Oct;36(4):437–43

Improved myocardial protection during a prolonged cross–clamp period. Weisel RD, et al. **Ann Thorac Surg** 1983 Dec;36(6):664–74

Coronary artery bypass surgery following thrombolytic therapy for acute coronary thrombosis. Wilson JM, et al. **Ann Thorac Surg** 1984 Mar;37(3):212–7

Update on surgical management of coronary artery disease. Najafi H. **Arch Dermatol** 1983 Nov;119(11):930–3

Endothelial cell damage following crystalloid cardioplegic solution infusion. Scanning electron microscope study of coronary bypass grafts. Harjula AL, et al. **Arch Surg** 1984 Aug;119(8):946–9

Coronary artery bypass and antiplatelet therapy. Copeland JG, et al. **Ariz Med** 1984 Apr;41(4):223–5

Carotid bruit and the risk of stroke in coronary bypass surgery. Paul TO, et al. **Ariz Med** 1984 Jul;41(7):467

Coronary bypass. A personal experience. Muecke D. **Aust Fam Physician** 1984 May;13(5):346–7

Coronary bypass surgery. Indications and methods of selection. O'Brien MF, et al. **Aust Fam Physician** 1984 May; 13(5):342–4

Coronary bypass surgery: military aviation medicine perspective. Wehrly DJ. **Aviat Space Environ Med** 1983 Nov;54(11):1043–6

Computed tomographic assessment of coronary artery bypass grafts. Foster CJ, et al. **Br Heart J** 1984 Jul;52(1):24–9

Assessment of aortocoronary bypass grafting using exercise ST segment/heart rate relation. Kardash MM, et al. **Br Heart J** 1984 Apr;51(4):386–94

Myocardial infarction related to coronary artery bypass graft surgery. McGregor CG, et al. **Br Heart J** 1984 Apr; 51(4):399–406

Coronary artery vein grafting in a case of Ehlers–Danlos syndrome. Redington A, et al. **Br Heart J** 1984 Aug; 52(2):237–9

Constrictive pericarditis as a complication of coronary artery bypass surgery. Ribeiro P, et al. **Br Heart J** 1984 Feb; 51(2):205–10

Alfentanil–oxygen anaesthesia: plasma concentrations and clinical effects during variable–rate continuous infusion for coronary artery surgery. de Lange S, et al. **Br J Anaesth** 1983;55 Suppl 2:183S–189S

Impaired B lymphocyte function during open–heart surgery. Effects of anaesthesia and surgery. Eskola J, et al. **Br J Anaesth** 1984 Apr;56(4):333–8

Myocardial blood flow and oxygen consumption during halothane–nitrous oxide anaesthesia for coronary revascularization. Hilfiker O, et al. **Br J Anaesth** 1983 Oct; 55(10):927–32

Low–dose acetylsalicylic acid (100 mg/day) after aortocoronary bypass surgery: a placebo–controlled trial. Meister W, et al. **Br J Clin Pharmacol** 1984 Jun; 17(6):703–11

Coronary artery bypass surgery. Treasure T. **Br J Hosp Med** 1983 Oct;30(4):259–60, 262–3

Non–cardiac surgery in patients with prior myocardial revascularization. Cruchley PM, et al. **Can Anaesth Soc J** 1983 Nov;30(6):629–34

Effects of crystalloid and blood cardioplegic solutions on myocardial cooling during myocardial revascularization. Landymore RW, et al. **Can J Surg** 1984 May;27(3):257–9

Constrictive pericarditis following coronary–artery bypass grafting in a patient with chronic asymptomatic pericardial disease. Halon DA, et al. **Cardiology** 1983;70(5):280–3

Anomalous origin of the left anterior descending coronary artery from the pulmonary artery: surgical correction in an adult. Singh RN, et al. **Cathet Cardiovasc Diagn** 1983; 9(4):411–6

Coronary bypass in dextrocardia [letter] Moreno–Cabral RJ, et al. **Chest** 1984 May;85(5):714

Coronary artery surgery study (CASS): a randomized trial of coronary artery bypass surgery. Quality of life in patients randomly assigned to treatment groups. **Circulation** 1983 Nov;68(5):951–60

A randomized comparison of crystalloid and blood–containing cardioplegic solutions in 60 patients. Buttner EE, et al. **Circulation** 1984 May;69(5):973–82

Quantification of platelet retention in aortocoronary femoral vein bypass graft in dogs treated with dipyridamole and aspirin. Dewanjee MK, et al. **Circulation** 1984 Feb; 69(2):350–6

Quantitative two–dimensional echocardiographic analysis of regional wall motion in patients with perioperative myocardial infarction. Force T, et al. **Circulation** 1984 Aug; 70(2):233–41

Association between early graft patency and late outcome for patients undergoing artery bypass graft surgery. Gould BL, et al. **Circulation** 1984 Mar;69(3):569–76

Long–term exercise performance after percutaneous transluminal coronary angioplasty and coronary artery bypass grafting. Meier B, et al. **Circulation** 1983 Oct; 68(4):796–802

Coronary bypass surgery for unstable angina. Rahimtoola SH. **Circulation** 1984 Apr;69(4):842–8

The effect of the site of placement of temporary epicardial pacemakers on ventricular function in patients undergoing cardiac surgery. Raichlen JS, et al. **Circulation** 1984 Sep; 70(3 Pt 2):I118–23

The comparative effects of dopamine and dobutamine on ventricular mechanics after coronary artery bypass grafting: a pressure–dimension analysis. Van Trigt P, et al. **Circulation** 1984 Sep;70(3 Pt 2):I112–7

Efficacy and safety of timolol for prevention of supraventricular tachyarrhythmias after coronary artery bypass surgery. White HD, et al. **Circulation** 1984 Sep; 70(3):479–84

Human coronary laser recanalization. Choy DS, et al. **Clin Cardiol** 1984 Jul;7(7):377–81

Cathodal bands in electrophoretograms of creatine kinase isoenzymes in serum collected after cardiac surgery: a poor prognostic sign. Keshgegian AA, et al. **Clin Chem** 1983 Oct;29(10):1727–30

Acute effects of oral labetalol on myocardial conduction after coronary artery bypass grafting. Reder RF, et al. **Clin Pharmacol Ther** 1984 Apr;35(4):454–60

Nifedipine versus nitroprusside for controlling hypertensive episodes during coronary artery bypass surgery. Hess W, et al. **Eur Heart J** 1984 Feb;5(2):140–5

Angina pectoris, one to 10 years after aortocoronary bypass surgery. Laird–Meeter K, et al. **Eur Heart J** 1983 Oct; 4(10):678–86

201–Thallium imaging as an indicator of graft patency after coronary artery bypass surgery. Rasmussen SL, et al. **Eur Heart J** 1984 Jun;5(6):494–9

Early evaluation of coronary artery bypass grafts: CT or selective angiography. Wilson PC, et al. **Eur J Radiol** 1984 Feb;4(1):22–7

Myocardial oxygen balance during hemodilution in patients undergoing coronary artery bypass grafting. Jalonen J, et al. **Eur Surg Res** 1984;16(3):141–7

Assessment of functional adequacy of coronary artery bypass grafting by treadmill testing. Bahl VK, et al. **Indian Heart J** 1983 Nov–Dec;35(6):320–5

Myocardial infarction during coronary artery bypass surgery—benign event or prognostic omen? Bateman TM, et al. **Int J Cardiol** 1984 Aug;6(2):259–63

Eyewitness [editorial] Edmunds LH Jr. **Int J Cardiol** 1983 Oct;4(3):329–30

Mean systolic ejection rate after aortocoronary bypass graft surgery. Kannagi T, et al. **Int J Cardiol** 1984 May;

5(5):613–23
Central cyanosis following coronary artery bypass graft surgery. Lipkin D, et al. **Int J Cardiol** 1984 Jan;5(1):101–3
Coronary endarterectomy as an adjunct to coronary artery bypass: a perspective. Wallsh E, et al. **Int J Cardiol** 1984 Jun;5(6):767–72
An example of medical audit under political pressure. West RR, et al. **Int J Epidemiol** 1983 Dec;12(4):482–6
Marked increase in 24-h urine vanillylmandelic acid in a patient after coronary by-pass surgery: need for cautious interpretation [letter] Nanji AA, et al. **Intensive Care Med** 1983;9(5):302
Erysipelas after venectomy for coronary artery bypass surgery. Dan M, et al. **Isr J Med Sci** 1983 Dec; 19(12):1100–1
Coronary artery surgery study (CASS): a randomized trial of coronary artery bypass surgery. Comparability of entry characteristics and survival in randomized patients and nonrandomized patients meeting randomization criteria. **J Am Coll Cardiol** 1984 Jan;3(1):114–28
Graft patency in patients with coronary artery bypass operation complicated by perioperative myocardial infarction. Brindis RG, et al. **J Am Coll Cardiol** 1984 Jan; 3(1):55–62
Improved regional ventricular function after successful surgical revascularization. Brundage BH, et al. **J Am Coll Cardiol** 1984 Apr;3(4):902–8
Coronary revascularization in the elderly patient. Elayda MA, et al. **J Am Coll Cardiol** 1984 Jun;3(6):1398–402
Origin of the left anterior descending coronary artery from the pulmonary artery. 3 year angiographic follow-up after saphenous vein bypass graft and proximal ligation. Evans JJ, et al. **J Am Coll Cardiol** 1984 Jan;3(1):219–24
Acute nifedipine withdrawal: consequences of preoperative and late cessation of therapy in patients with prior unstable angina. Gottlieb SO, et al. **J Am Coll Cardiol** 1984 Aug; 4(2):382–8
Changes in cardiac functional capacity after coronary bypass surgery in relation to adequacy of revascularization. Hossack KF, et al. **J Am Coll Cardiol** 1984 Jan;3(1):47–54
Inhibition of reflex circulatory control in open heart surgery potentiated by combination beta-adrenergic and calcium channel blockade [letter] McFadden PM. **J Am Coll Cardiol** 1984 Sep;4(3):651–2
Myocardial infarction in patients with previous coronary artery bypass surgery. Waters DD, et al. **J Am Coll Cardiol** 1984 Apr;3(4):909–15
Anesthetic considerations with amiodarone: report of a case. Meulendyk J. **J Am Osteopath Assoc** 1984 Apr;83(8):585–8
National Institutes of Health Consensus Development Conference statement—coronary artery bypass surgery: scientific and clinical aspects. December 3–5, 1980. **J Arkansas Med Soc** 1983 Aug;80(3):140–6
Treatment of cardiac tamponade due to isolated chylopericardium following open heart surgery. Bakay C, et al. **J Cardiovasc Surg (Torino)** 1984 May–Jun; 25(3):249–51
The effect of crossovers on estimates of survival in medically treated patients with coronary artery disease. Pryor DB, et al. **J Chronic Dis** 1984;37(7):521–9
Risk factors in left main coronary artery stenosis. Experience with 296 surgical patients. Masri ZH, et al. **J Ky Med Assoc** 1983 Oct;81(10):763–71
The coronary artery surgery study (CASS)—widely misinterpreted. King SB 3d. **J Med Assoc Ga** 1984 Apr; 73(4):251–2 (4 ref.)
Coronary artery bypass graft surgery: relative efficacy of secondary cardioplegia. Roberts AJ, et al. **J Surg Res** 1984 Jul;37(1):1–7
Propranolol-induced postoperative hypertension following coronary artery bypass grafting. Bolling SF, et al. **J Thorac Cardiovasc Surg** 1984 Jan;87(1):112–9
Profound hypotension from rapid vancomycin administration during cardiac operation. Dajee H, et al. **J Thorac Cardiovasc Surg** 1984 Jan;87(1):145–6
Percutaneous transluminal coronary angioplasty in patients with prior coronary artery bypass grafting. Dorros G, et al. **J Thorac Cardiovasc Surg** 1984 Jan;87(1):17–26
Mechanism of plasma catecholamine increases during coronary artery bypass and valve procedures. Engelman RM, et al. **J Thorac Cardiovasc Surg** 1983 Oct;86(4):608–15
Pattern of hemodynamic alterations during coronary artery operations. Estafanous FG, et al. **J Thorac Cardiovasc Surg** 1984 Feb;87(2):175–82
Aorta-coronary bypass in patients with coronary artery disease who do not have angina. FitzGibbon GM, et al. **J Thorac Cardiovasc Surg** 1984 May;87(5):717–24
Significant improvement in flow through a potential internal mammary graft after partial approximation of the sternum. Graham JE, et al. **J Thorac Cardiovasc Surg** 1984 Sep; 88(3):454
Reoperation in patients with patent atherosclerotic coronary vein grafts. A different approach to a different disease. Grondin CM, et al. **J Thorac Cardiovasc Surg** 1984 Mar; 87(3):379–85
Late results of coronary artery grafting: is there a flag on the field? Grondin CM. **J Thorac Cardiovasc Surg** 1984 Feb;87(2):161–6
Improvement in aerobic and hemodynamic responses to exercise following aorta-coronary bypass grafting. Hossack KF, et al. **J Thorac Cardiovasc Surg** 1984 Jun;87(6):901–7
The effect of viscosity on poststenotic distribution of cardioplegic solutions [letter] Landymore RW, et al. **J Thorac Cardiovasc Surg** 1984 Jun;87(6):944–6
No effect of saphenous intimal thickness on patency of aorta-coronary bypass grafts. Langes K, et al. **J Thorac Cardiovasc Surg** 1984 Aug;88(2):304–6
The effect of prostacyclin infusion on platelet hemostatic function in patients undergoing cardiopulmonary bypass. Malpass TW, et al. **J Thorac Cardiovasc Surg** 1984 Apr; 87(4):550–5
Intraventricular air during coronary operation [letter] Murphy DA, et al. **J Thorac Cardiovasc Surg** 1984 Jul; 88(1):150–1
Biochemical and ultrastructural integrity of the saphenous vein conduit during coronary artery bypass grafting. Preliminary results of the effect of papaverine. Roberts AJ, et al. **J Thorac Cardiovasc Surg** 1984 Jul;88(1):39–48
Early bypass grafting following intracoronary thrombolysis with streptokinase. Sterling RP, et al. **J Thorac Cardiovasc Surg** 1984 Apr;87(4):487–92
Reperfusion of the human myocardium by saphenous vein bypass grafts. Biochemical considerations. Unverferth DV, et al. **J Thorac Cardiovasc Surg** 1984 Apr;87(4):577–84
Recurrent cellulitis after coronary bypass surgery. Association with superficial fungal infection in saphenous venectomy limbs. Baddour LM, et al. **JAMA** 1984 Feb 24;251(8):1049–52
Recurrent cellulitis after bypass surgery associated with psoriasis [letter] File TM Jr, et al. **JAMA** 1984 Oct 5; 252(13):1681
Narrowing the PTCA/surgery gap [news] Gunby P. **JAMA** 1984 Jan 20;251(3):302, 309
Hemodynamic effects of intravenous 20% soy oil emulsion following coronary bypass surgery. Abel RM, et al. **JPEN** 1983 Nov–Dec;7(6):534–40
Noninvasive evaluation of aortocoronary bypass graft patency by contrast-enhanced computed tomography: incrementation mode and dynamic mode. Kawasuji M, et al. **Jpn Circ J** 1984 Jul;48(7):611–9
A case of variant angina and myocardial infarction 6 months after successful bypass surgery. Takatsu F, et al. **Jpn Heart J** 1983 Sep;24(5):747–55
Metabolic effect of glucose, insulin and potassium cardioplegia. Amano J, et al. **Jpn J Surg** 1983 Jul; 13(4):277–84
Combined treatment of coenzyme Q10 and aprotinin with intraaortic balloon pumping following aorto-coronary bypass surgery. Okamura T, et al. **Jpn J Surg** 1984 Mar; 14(2):97–103
AIDS after coronary bypass surgery [letter] Delpre G, et al. **Lancet** 1984 Jan 14;1(8368):103
Improved aortocoronary bypass patency by low-dose aspirin (100 mg daily). Effects on platelet aggregation and thromboxane formation. Lorenz RL, et al. **Lancet** 1984 Jun 9;1(8389):1261–4
Surgeon on bypass. MacKellar A. **Med J Aust** 1984 May 26;140(11):663–5
Coronary artery surgery in Australia. Shanahan MX. **Med J Aust** 1984 Feb 4;140(3):128–30
Myocardial infarction and mortality in the coronary artery surgery study (CASS) randomized trial. **N Engl J Med** 1984 Mar 22;310(12):750–8
Effects of coronary-artery bypass grafting on survival. Implications of the randomized coronary-artery surgery study. Braunwald E. **N Engl J Med** 1983 Nov 10; 309(19):1181–4
Effect of dipyridamole and aspirin on late vein-graft patency after coronary bypass operations. Chesebro JH, et al. **N Engl J Med** 1984 Jan 26;310(4):209–14
Dipyridamole and aspirin and patency of coronary bypass grafts [letter] von Schacky C. **N Engl J Med** 1984 Jun 7;310(23):1533–4
A study of sequential anastomoses in aortocoronary bypass surgery; internal configurations by the casting infection technique. Shioi K. **Nagoya J Med Sci** 1984 Mar; 46(1–4):19–26
Natural history of cerebral complications of coronary artery bypass graft surgery. Coffey CE, et al. **Neurology (NY)** 1983 Nov;33(11):1416–21
Bland-White-Garland syndrome successfully managed by aorto-coronary bypass with saphenous vein graft. Nakagawa A, et al. **Nippon Geka Hokan** 1983 May 1; 52(3):384–90
Coronary artery bypass surgery. The Cleveland Clinic experience, 1967–1982. Sheldon WC, et al. **Postgrad Med** 1984 May;75(6):108–21
Metastatic renal carcinoma presenting with profuse haemorrhage at cardiac surgery. Wood AJ, et al. **Postgrad Med J** 1983 Jun;59(692):384–5
Spasm of the aortocoronary venous graft. D'Souza VJ, et al. **Radiology** 1984 Apr;151(1):83–4
The effect of acute haemodilution during cardiopulmonary bypass on blood calcium, pH, phosphorus and protein values. Coetzee AR, et al. **S Afr Med J** 1983 Oct 8; 64(16):613–7
Coronary artery bypass surgery in a patient with symptomatic ventricular arrhythmia [letter] Lloyd EA. **S Afr Med J** 1984 Jun 30;65(26):1035–6
Coronary artery bypass surgery in a patient with symptomatic ventricular arrhythmia. A case presentation and review of the literature. Przybojewski JZ. **S Afr Med J** 1984 Apr 7;65(14):573–8 (39 ref.)
Anaesthesia in a patient with variegate porphyria undergoing coronary bypass surgery. A case report. Shipton EA, et al. **S Afr Med J** 1984 Jan 14;65(2):53–4
Coronary artery bypass at the University of the Orange Free State Medical School. Medium-term follow-up of the first 100 cases. Verwoerd CA, et al. **S Afr Med J** 1983 Nov 12;64(21):813–5
Blood ionized calcium measurements during aortocoronary bypass graft operations. Pedersen KO, et al. **Scand J Clin Lab Invest [Suppl]** 1983;165:107–9
Use of activated clotting time to monitor anticoagulation during cardiac surgery. Niinikoski J, et al. **Scand J Thorac Cardiovasc Surg** 1984;18(1):57–61
Prolonged red cell survival following in vitro treatment with potassium cyanate. A study in patients undergoing open-heart surgery. Roberts D, et al. **Scand J Thorac Cardiovasc Surg** 1984;18(2):111–4
Elective coronary artery bypass in the elderly: experience in a community hospital. Richardson JV, et al. **South Med J** 1984 Jan;77(1):30–2
Cerebral infarction secondary to unsuspected intracranial fibromuscular dysplasia following bypass of aortic coarctation. Malloy DS, et al. **Stroke** 1984 Sep–Oct; 15(5):908–11
Coronary bypass operation for early postinfarction angina. Molina JE, et al. **Surg Gynecol Obstet** 1983 Nov; 157(5):455–60
Advocates in vascular controversies. Barnes RW, et al. **Surgery** 1984 Jul;96(1):78–87
Effects of prostacyclin infusion on platelets and hemodynamics in coronary bypass surgery. Arén C, et al. **Thorac Cardiovasc Surg** 1984 Apr;32(2):81–4
Early postoperative assessment of coronary artery bypass surgery using nuclear left ventriculography and atrial pacing. Ben David Y, et al. **Thorac Cardiovasc Surg** 1983 Dec;31(6):377–81
Polydioxanone in cardiovascular surgery. Harjola PT, et al. **Thorac Cardiovasc Surg** 1984 Apr;32(2):100–1
The effect of dipyridamole and warfarin on the patency rate of coronary artery bypass grafts. Harjola PT, et al. **Thorac Cardiovasc Surg** 1983 Dec;31(6):374–6
Cardiovascular interactions of halothane anesthesia and nifedipine in patients subjected to elective coronary artery bypass surgery. Schulte-Sasse U, et al. **Thorac Cardiovasc Surg** 1983 Oct;31(5):261–5
Value of serum magnesium estimation in diagnosing myocardial infarction and predicting dysrhythmias after coronary artery bypass grafting. Bunton RW. **Thorax** 1983 Dec;38(12):946–50
Prostacyclin in aortocoronary bypass surgery: a double-blind, placebo-controlled study. Heinrich D, et al. **Thromb Res** 1983 Nov 15;32(4):409–26
The effect of pulsatile cardiopulmonary bypass on limb blood flow and tissue perfusion. Faraci PA, et al. **Trans Am Soc Artif Intern Organs** 1983;29:511–5
Coronary spasm affecting result of bypass operation: case report. Murray GC, et al. **Va Med** 1983 Jul;110(7):432–5
[The effect of antithrombocyte drugs on the patency of aortocoronary bypass] Pirk J, et al. **Cas Lek Cesk** 1984 May 25;123(21):646–8 (Eng. Abstr.) **(Cze)**
[Problems in the surgical treatment of aneurysms, akinesis and hypokinesis in ischemic heart disease] Lichtenberg J, et al. **Rozhl Chir** 1984 Feb;63(2):109–14 (Eng. Abstr.) **(Cze)**
[Coronary artery bypass operation in a patient undergoing continuous peritoneal dialysis] Forsström J, et al. **Duodecim** 1984;100(3):161–3 **(Fin)**
[Exercise tests before and after aortocoronary bypass] Manzi D, et al. **Ann Cardiol Angeiol (Paris)** 1983 Jul–Sep; 32(5):309–14 (Eng. Abstr.) **(Fre)**
[Preoperative measurement of blood volume in patients before undergoing an aortocoronary bypass] Depoix JP, et al. **Ann Fr Anesth Reanim** 1983;2(6):392–5 (Eng. Abstr.) **(Fre)**
[Structural histologic changes of aortocoronary venous grafts] Loire R, et al. **Arch Anat Cytol Pathol** 1983; 31(4):226–8 (Eng. Abstr.) **(Fre)**
[Metabolic myocardial modifications following surgical revascularization] Dhainaut JF, et al. **Arch Mal Coeur** 1983 Jun;76(6):660–9 (Eng. Abstr.) **(Fre)**
[Aortocoronary bypass with 10 years' follow-up. Apropos of 183 cases] Dubois C, et al. **Arch Mal Coeur** 1983 Sep; 76(9):1004–11 (Eng. Abstr.) **(Fre)**
[Current status of direct revascularization of the myocardium using aortocoronary bypass] Deloche A, et al. **Chirurgie** 1983;109(7):550–8 (Eng. Abstr.) **(Fre)**
[Control of aortocoronary graft patency by digital angiography. Reliability study] Magotteaux P, et al. **J Belge Radiol** 1983;66(4):253–8 (Eng. Abstr.) **(Fre)**
[Long-term results of aortocoronary bypass in chronic and unstable angina] Pauchant M, et al. **LARC Med** 1984 Mar; 4(3):127–37 (53 ref.) (Eng. Abstr.) **(Fre)**
[Results of the first 1000 aortocoronary bypass operations] Carlier J. **Rev Med Liege** 1984 Mar 1;39(5):189–93 **(Fre)**
[Evaluation of the results of aortocoronary bypass surgery using thallium-201 scintigraphy] Chevigné M, et al. **Rev Med Liege** 1984 Mar 1;39(5):199–204 **(Fre)**
[Indications for coronarography and aortocoronary bypass] Kulbertus H. **Rev Med Liege** 1984 Mar 1;39(5):212–5 **(Fre)**
[Value and significance of the effort electrocardiogram in patients operated on for aortocoronary bypass] Legrand V. **Rev Med Liege** 1984 Mar 1;39(5):194–9 **(Fre)**

[Monitoring the permeability of aortocoronary grafts with digital angiography] Magotteaux P, et al. **Rev Med Liege** 1984 Mar 1;39(5):204–7 **(Fre)**

[Medical follow-up of aortocoronary bypass surgery in ambulatory care] Righetti A. **Schweiz Med Wochenschr** 1984 Jan 21;114(3):101–3 (Eng. Abstr.) **(Fre)**

[Blood pressure control with an inhalation anesthetic in acute intraoperative hypertension. Hemodynamic profile of halothane, enflurane and isoflurane in coronary surgery patients] Markschies-Hornung A, et al. **Anaesthesist** 1984 Jun;33(6):284–90 (Eng. Abstr.) **(Ger)**

[Coronary surgery—prophylactic aspects] Wolner E, et al. **Chirurg** 1983 Nov;54(11):710–4 **(Ger)**

[Death rate on a heart surgery waiting list] Hacker RW, et al. **Dtsch Med Wochenschr** 1983 Nov 25;108(47):1786–9 (Eng. Abstr.) **(Ger)**

[Atypical and ischemic chest pain more than a year after aortocoronary bypass] Hoffmann A, et al. **Dtsch Med Wochenschr** 1983 Oct 21;108(42):1583–6 (Eng. Abstr.) **(Ger)**

[Reoperation following aortocoronary bypass. Indications and results] Weinhold C, et al. **Fortschr Med** 1984 Feb 16;102(7):152–4 (Eng. Abstr.) **(Ger)**

[Effect of a He–O2 gas mixture on respiration, hemodynamics and pulmonary gas exchange during postoperative ventilation of patients following heart surgery] Fritz KW, et al. **Intensivmed Prax** 1983 Oct;6:27–35 **(Ger)**

[Low-dose acetylsalicylic acid (100 mg/day) following aortocoronary bypass operation] Weber M, et al. **Klin Wochenschr** 1984 May 15;62(10):458–64 (Eng. Abstr.) **(Ger)**

[Zinc, magnesium and calcium in coronary and peripheral blood under extracorporeal circulation conditions. Comparative studies] Heller W, et al. **Med Welt** 1983 Oct 21;34(42):1184–9 **(Ger)**

[Arterial digital subtraction angiography for demonstrating aortocoronary venous bypasses] Witte G, et al. **ROFO** 1984 Mar;140(3):251–3 (Eng. Abstr.) **(Ger)**

[Surgical treatment of coronary circulation disorders] Althaus U. **Schweiz Med Wochenschr** 1983 Dec 17; 113(50):1903–7 (22 ref.) (Eng. Abstr.) **(Ger)**

[Progression of coronary stenosis following aorto–coronary bypass surgery] Goebel N, et al. **Schweiz Med Wochenschr** 1983 Nov 12;113(45):1656–8 (Eng. Abstr.) **(Ger)**

[Aortic valve replacement with simultaneous aorto–coronary bypass operation 1969–1980] Valli C, et al. **Schweiz Med Wochenschr** 1984 Mar 24;114(12):399–406 (Eng. Abstr.) **(Ger)**

[Postoperative care of coronary surgery patients] Gohlke H. **Schweiz Med Wochenschr [Suppl]** 1984;16:82–8 (Eng. Abstr.) **(Ger)**

[Saphenous vein bypass: surgical–technical aspects] Bircks W. **Verh Dtsch Ges Herz Kreislaufforsch** 1982;48:182–8 **(Ger)**

[Long-term results of aortocoronary bypass operation] Roskamm H. **Verh Dtsch Ges Herz Kreislaufforsch** 1982; 48:189–200 **(Ger)**

[Intraoperative and postoperative course of enzyme activities in patients with angiographically closed and open aortocoronary bypass grafts] Mühlberger V, et al. **Wien Klin Wochenschr** 1983 Aug 26;95(16):585–9 (Eng. Abstr.) **(Ger)**

[Computer tomography in the evaluation of the function of the aorto–coronary vein bypass] Neugebauer A, et al. **Z Gesamte Inn Med** 1983 Oct 1;38(19):207–cont'd (Eng. Abstr.) **(Ger)**

[Simultaneous resection of a left ventricular aneurysm, mitral valve implantation and aortocoronary bypass using the saphenous vein] Tomcsányi I, et al. **Orv Hetil** 1984 Jan 15;125(3):157–9 **(Hun)**

[Removal and preparation of the saphenous vein in aortocoronary bypass operations: proposed technic] Medici D, et al. **Acta Biomed Ateneo Parmense** 1983;54(3):279–81 (Eng. Abstr.) **(Ita)**

[Factors influencing the recurrence of angina and the clinical picture of surgical patients after aortocoronary bypass. Study 4 to 7 years after intervention] Permutti B, et al. **Boll Soc Ital Cardiol** 1982;27(3):237–49 (Eng. Abstr.) **(Ita)**

[Effectiveness of the aorto–coronary by-pass procedure in elderly patients] Bonaduce D, et al. **G Ital Cardiol** 1983; 13(5):361–5 (Eng. Abstr.) **(Ita)**

[Medium-long-term clinical evaluation of the effects of coronary surgery in 133 patients with stable effort-angina] Artiaco D, et al. **Minerva Cardioangiol** 1984 Apr; 32(4):163–70 (Eng. Abstr.) **(Ita)**

[Advantages and results of multiple aortocoronary by-passes (3 or more anastomoses). Apropos of 534 cases] Dor V, et al. **Minerva Cardioangiol** 1983 Jul–Aug;31(7–8):421–5 (Eng. Abstr.) **(Ita)**

[Classification of coronary artery stenosis in view of complete coronary revascularization] Kobayashi T, et al. **Kokyu To Junkan** 1983 Aug;31(8):889–96 (Eng. Abstr.) **(Jpn)**

[Successful A–C bypass operation in a patient with coronary artery stenosis associated with hypertrophic obstructive cardiomyopathy] Nishida H, et al. **Kokyu To Junkan** 1983 Aug;31(8):921–6 (Eng. Abstr.) **(Jpn)**

[Evaluation of aortocoronary bypass graft patency by X-ray computed tomography] Sakuma I, et al. **Kokyu To Junkan** 1983 Aug;31(8):897–904 (Eng. Abstr.) **(Jpn)**

[Left ventricular wall motions before and after aorto–coronary artery bypass] Tomotsune K, et al. **Kokyu To Junkan** 1983 Jul;31(7):787–92 (Eng. Abstr.) **(Jpn)**

[Diltiazem in coronary artery surgery] Horio S, et al. **Kyobu Geka** 1984 Jan;37(1):47–51 (Eng. Abstr.) **(Jpn)**

[Case of operative transluminal coronary angioplasty (OTCA)] Matsuyama Y, et al. **Kyobu Geka** 1983 Dec; 36(11):876–8 (Eng. Abstr.) **(Jpn)**

[Aortocoronary bypass surgery for unstable angina with old myocardial infarction] Ninomiya J, et al. **Kyobu Geka** 1983; 36(7):525–32 (Eng. Abstr.) **(Jpn)**

[Right coronary artery reconstruction in infectious endocarditis] Sakai K, et al. **Kyobu Geka** 1983 Sep; 36(9):735–9 (Eng. Abstr.) **(Jpn)**

[Reoperation of coronary artery disease] Suma H, et al. **Kyobu Geka** 1984 May;37(5):344–54 (Eng. Abstr.) **(Jpn)**

[Long-term follow-up results after aorto–coronary bypass grafting] Hirose H, et al. **Nippon Geka Gakkai Zasshi** 1983 Sep;84(9):847–50 (Eng. Abstr.) **(Jpn)**

[Long-term follow-up of surgical patients with ischemic heart disease] Kazui T, et al. **Nippon Geka Gakkai Zasshi** 1983 Sep;84(9):844–6 (Eng. Abstr.) **(Jpn)**

[Late results of coronary heart surgery. Late graft patency in coronary bypass procedure] Kito Y, et al. **Nippon Geka Gakkai Zasshi** 1983 Sep;84(9):851–4 (Eng. Abstr.) **(Jpn)**

[Long-term result and its evaluation after aorto–coronary bypass grafting] Okada M, et al. **Nippon Geka Gakkai Zasshi** 1983 Sep;84(9):839–43 (Eng. Abstr.) **(Jpn)**

[Problem in myocardial protection in coronary artery bypass surgery; regional difference of myocardial tolerance to global ischemia] Sunamori M. **Nippon Geka Gakkai Zasshi** 1983 Nov;84(11):1149–54 (Eng. Abstr.) **(Jpn)**

[Long-term result of aorto–coronary bypass surgery] Sunamori M, et al. **Nippon Geka Gakkai Zasshi** 1983 Sep; 84(9):836–8 (Eng. Abstr.) **(Jpn)**

[Aortitis syndrome with bilateral coronary ostial stenosis] Hata H, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Aug;31(8):1303–8 (Eng. Abstr.) **(Jpn)**

[Assessment of aorto–coronary bypass graft patency and graft flow by contrast enhanced computed tomography] Hayase S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Mar; 32(3):307–14 (Eng. Abstr.) **(Jpn)**

[Significance of aorto–coronary bypass surgery in homozygous familial hyperlipidemia] Kitamura S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Dec; 31(12):2188–95 (Eng. Abstr.) **(Jpn)**

[Radionuclide angiographical assessment of the effects of aorto–coronary bypass grafting on ventricular function during rest and exercise] Kito Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Jun;31(6):839–45 (Eng. Abstr.) **(Jpn)**

[Evaluation studies of aortocoronary bypass by exercise loading RI myocardial scintigraphy] Kito Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Aug;31(8):1208–13 (Eng. Abstr.) **(Jpn)**

[A successful combined operation of two-chambered right ventricle and coronary artery disease] Mori F, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Jan;32(1):115–20 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of graft patency after aortocoronary bypass] Nakai Y. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Oct;31(10):1544–52 (Eng. Abstr.) **(Jpn)**

[Aortocoronary bypass—clinical studies] Nakajima M. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Jul;31(7):1123–40 (Eng. Abstr.) **(Jpn)**

[The clinical courses of familial hypercholesterolemia with coronary artery disease. Evaluation of aorto–coronary bypass surgery] Hirobe K, et al. **Nippon Naika Gakkai Zasshi** 1984 Apr;73(4):481–6 **(Jpn)**

[Aortocoronary angioplasty performed at coronary care units] Endo M, et al. **Nippon Rinsho** 1983 Dec; 41(12):2849–57 **(Jpn)**

[Direct surgical management of acute coronary diseases] Kyo S, et al. **Nippon Rinsho** 1983 Dec;41(12):2829–39 **(Jpn)**

[Simultaneous surgical treatment of abdominal aortic aneurysmectomy and aorto–coronary bypass graft—special reference to two successful cases] Kitamura S, et al. **Rinsho Kyobu Geka** 1983 Nov;3(6):665–9 (Eng. Abstr.) **(Jpn)**

[Serial assessment of the left ventricular function in the immediate period following A–C bypass surgery] Okamura T, et al. **Rinsho Kyobu Geka** 1984 May;4(3):305–11 (Eng. Abstr.) **(Jpn)**

[Occurrence of myocardial damage after A–C bypass operation. With special reference to the prediction of the occurrence of myocardial damage with the multivariate discriminant analysis] Onodera E, et al. **Rinsho Kyobu Geka** 1984 Mar;4(2):145–52 (Eng. Abstr.) **(Jpn)**

[Intra-operative coronary spasm and its management] Suzuki A. **Rinsho Kyobu Geka** 1983 May;3(3):383–5 (Eng. Abstr.) **(Jpn)**

[Diagnosis of heart failure by means of radiocardiography in the early postoperative period of patients who have undergone aortocoronary bypass] Kuznetsov GV, et al. **Anesteziol Reanimatol** 1984 May–Jun;(3):23–5 (Eng. Abstr.) **(Rus)**

[Evaluation of myocardial contractility in patients with ischemic heart disease during aortocoronary shunting] Rostunova NV, et al. **Anesteziol Reanimatol** 1984 May–Jun; (3):5–10 (Eng. Abstr.) **(Rus)**

[Aortocoronary bypass in congenital anomalies of the coronary arteries] Dzhafarov DKh, et al. **Grudn Khir** 1983 Jul–Aug;(4):73–7 **(Rus)**

[State of aortocoronary shunts after surgical revascularization of the myocardium] Shabalkin BV, et al. **Grudn Khir** 1984 Jan–Feb;(1):13–7 (Eng. Abstr.) **(Rus)**

[Functional state of the cardiovascular system in patients with chronic coronary insufficiency 12 months after direct myocardial revascularization depending on the bypass patency] Maaroos IaA, et al. **Kardiologiia** 1984 Feb; 24(2):18–21 (Eng. Abstr.) **(Rus)**

[Errors and dangers in aortocoronary bypass surgery] Shabalkin BV, et al. **Klin Khir** 1983 Jul;(7):63–5 **(Rus)**

[Changes in serum digoxin levels following cardiopulmonary by-pass] Rubio Alvarez J, et al. **Rev Esp Anestesiol Reanim** 1984 Mar–Apr;31(2):52–4 (Eng. Abstr.) **(Spa)**

[Optimal projections in selective aortocoronary graft radiography] Esplugas E, et al. **Rev Esp Cardiol** 1984 Jul–Aug;37(4):236–9 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Fatal atherosclerosis developed in less than 4 years in an aortocoronary vein graft in a hyperlipidemic patient. Falk E. **Acta Pathol Microbiol Immunol Scand [A]** 1984 Jan; 92(1):73–5

Rupture of a coronary bypass graft aneurysm: CT evaluation and coil occlusion therapy. Shapeero LG, et al. **AJR** 1983 Nov;141(5):1060–2

Coronary artery spasm after coronary bypass grafting. Black AJ, et al. **Am J Cardiol** 1984 Sep 1;54(6):670–1

Percutaneous angioplasty of stenoses of bypass grafts or of bypass graft anastomotic sites. Block PC, et al. **Am J Cardiol** 1984 Mar 1;53(6):666–8

Transient central diabetes insipidus after aortocoronary bypass operations. Kuan P, et al. **Am J Cardiol** 1983 Dec 1;52(10):1181–3

Ascending aortic aneurysm after aortocoronary bypass grafting [letter] Orszulak T. **Am J Cardiol** 1984 Jul 1; 54(1):247

False aneurysm of ascending aorta after aortocoronary bypass grafting. Saffitz JE, et al. **Am J Cardiol** 1983 Oct 1; 52(7):907–9

Coronary artery spasms after coronary artery bypass surgery. Skarvan K, et al. **Anesthesiology** 1984 Sep;61(3):323–7

Neurological complications of coronary revascularization. Bojar RM, et al. **Ann Thorac Surg** 1983 Oct;36(4):427–32

Arrhythmias after coronary bypass surgery. Ormerod OJ, et al. **Br Heart J** 1984 Jun;51(6):618–21

Patient care problems in patients undergoing reoperation for coronary artery grafting surgery. Brummett C, et al. **Can Anaesth Soc J** 1984 Mar;31(2):213–20

Transcatheter embolization of a leaking pseudoaneurysm of saphenous vein aortocoronary bypass graft. Kim D, et al. **Cathet Cardiovasc Diagn** 1983;9(6):591–4

Laminar flow due to venous valves masquerading as vein graft spasm. Singh RN, et al. **Cathet Cardiovasc Diagn** 1983; 9(6):569–75

Competitive blood flow in the coronary circulation simulating progression of proximal coronary artery disease after saphenous vein bypass surgery. Miller WP, et al. **Clin Cardiol** 1984 Mar;7(3):179–83

Massive prostatic infarction following aortocoronary bypass surgery: a report of two cases. Taussig AS, et al. **Clin Cardiol** 1984 Feb;7(2):113–6

Coping with transient intellectual dysfunction after coronary bypass surgery. Raymond M, et al. **Heart Lung** 1984 Sep; 13(5):531–9

Aortic dissecting aneurysm and aorta–right atrial fistula as a late complication of coronary surgery. Büchler JR, et al. **Int J Cardiol** 1983 Sep;4(2):192–4

Coronary artery bypass surgery morbidity. Kuan P, et al. **J Am Coll Cardiol** 1984 Jun;3(6):1391–7

Diagnostic criteria and prognosis of perioperative myocardial infarction following coronary bypass. Guiteras Val P, et al. **J Thorac Cardiovasc Surg** 1983 Dec;86(6):878–86

Characteristics of left ventricular thrombus resulting in perioperative embolism. A complication of coronary artery bypass grafting. Hartman RB, et al. **J Thorac Cardiovasc Surg** 1983 Nov;86(5):706–9

Propranolol for postoperative supraventricular tachycardia [letter] Mohr R, et al. **J Thorac Cardiovasc Surg** 1983 Nov; 86(5):793–4

Supraventricular arrhythmias following coronary artery bypass. The effect of preoperative digitalis. Parker FB Jr, et al. **J Thorac Cardiovasc Surg** 1983 Oct;86(4):594–600

Right ventricular—saphenous vein graft fistula. Unusual complication of aorta–coronary bypass grafting. Riahi M, et al. **J Thorac Cardiovasc Surg** 1984 Apr;87(4):626–8

Hyperbilirubinaemia after bypass surgery [letter] Klepetko W, et al. **Lancet** 1984 Feb 18;1(8373):403–4

Accelerated progression of atherosclerosis in coronary vessels with minimal lesions that are bypassed. Cashin WL, et al. **N Engl J Med** 1984 Sep 27;311(13):824–8

Progression of coronary atherosclerosis [editorial] Loop FD. **N Engl J Med** 1984 Sep 27;311(13):851–3

Constrictive pericarditis following myocardial

revascularization. A case report. Ayzenberg O, et al. **S Afr Med J** 1984 May 5;65(18):739–41

Ketanserin in the treatment of hypertension following coronary artery bypass surgery. A preliminary study. Diedericks BJ, et al. **S Afr Med J** 1983 Oct 1;64(15):569–71

Central nervous system complications of coronary artery bypass graft surgery: prospective analysis of 421 patients. Breuer AC, et al. **Stroke** 1983 Sep–Oct;14(5):682–7

Chylopericardium following aorto–coronary bypass–procedure. Schiessler A, et al. **Thorac Cardiovasc Surg** 1984 Apr;32(2):112–4

[Correction by a calcium inhibitor of a coronary spasm occurring during aortocoronary bypass] Delarrat M, et al. **Ann Fr Anesth Reanim** 1984;3(1):44–6 (Eng. Abstr.) **(Fre)**

[Diastolic restriction caused by an encysted hemopericardium a year after coronary bypass] Laurent JM, et al. **Arch Mal Coeur** 1984 Mar;77(3):343–8 (Eng. Abstr.) **(Fre)**

[Peroperative coronary spasm during an operation for aortocoronary bypass (letter)] Gorny P, et al. **Presse Med** 1983 Nov 19;12(42):2695 **(Fre)**

[What should be done when surgery fails?] Limet R. **Rev Med Liege** 1984 Mar 1;39(5):207–11 **(Fre)**

[Percutaneous transluminal angioplasty in patients with recurrent angina following aorto–coronary bypass] Morin D, et al. **Schweiz Med Wochenschr** 1983 Nov 12; 113(45):1658–60 (Eng. Abstr.) **(Fre)**

[Coronary thrombosis caused by hypercoagulopathy after an aortocoronary bypass operation (letter)] Tebbe U, et al. **Dtsch Med Wochenschr** 1983 Dec 16;108(50):1935–6 **(Ger)**

[Changes in the unmodified vessels after aortocoronary bypass surgery] Goebel N, et al. **ROFO** 1983 Dec; 139(6):595–602 (Eng. Abstr.) **(Ger)**

[Coronary spasm as a mechanism of ischemia or myocardial necrosis immediately after coronary surgery. Considerations on 5 cases and review of the literature] Zingone B, et al. **G Ital Cardiol** 1984 Mar;14(3):145–52 (Eng. Abstr.) **(Ita)**

[Perioperative coronary artery spasm—a case report and review of literature] Ochi M, et al. **Kyobu Geka** 1984 May; 37(5):355–60 (Eng. Abstr.) **(Jpn)**

[Evaluation of myocardial damage during heart surgery by the CK–MB test] Kędra–Lubońska M, et al. **Kardiol Pol** 1983;26(8–9):629–35 (Eng. Abstr.) **(Pol)**

[Our observations on the treatment of arrhythmia in the postoperative period after direct revascularization of the myocardium] Iwaszkiewicz A, et al. **Pol Tyg Lek** 1983 Apr 11;38(15):453–6 (Eng. Abstr.) **(Pol)**

[Saphenous vein bypass from aorta to coronary vein accidentally performed: diagnostic aspects. Report of a case] Cardoso CR. **Arq Bras Cardiol** 1983 Dec;41(6):455–7 (Eng. Abstr.) **(Por)**

[Myocardial protection during anesthesia in the coronary patient] Navia J, et al. **Rev Esp Anestesiol Reanim** 1984 Mar–Apr;31(2):67–71 (23 ref.) (Eng. Abstr.) **(Spa)**

ECONOMICS

Relative cost of coronary angioplasty and bypass surgery in a one–vessel disease model. Jang GC, et al. **Am J Cardiol** 1984 Jun 15;53(12):52C–55C

Hospital costs and return to work after coronary bypass surgery [letter] Wilson PJ. **Med J Aust** 1983 Oct 1;2(7):309

HISTORY

Twelve years of coronary artery surgery in South Australia. Maddern GJ, et al. **Med J Aust** 1984 Feb 4;140(3):136–40

INSTRUMENTATION

Late functional and hemodynamic status of surviving patients following insertion of the left heart assist device. Rose DM, et al. **J Thorac Cardiovasc Surg** 1983 Nov;86(5):639–45

[Vein holder for coronary bypass surgery] Suma H, et al. **Rinsho Kyobu Geka** 1983 Nov;3(6):766–8 (Eng. Abstr.) **(Jpn)**

METHODS

Dissection of the internal mammary artery during cephalic vein removal for coronary artery surgery. Hicks GL Jr. **Ann Thorac Surg** 1984 Jan;37(1):95

Upper extremity vein graft for aortocoronary bypass. Prieto I, et al. **Ann Thorac Surg** 1984 Mar;37(3):218–21

Coronary artery bypass graft surgery: relative efficacy of initial proximal versus distal anastomoses. Roberts AJ, et al. **Ann Thorac Surg** 1984 Jul;38(1):15–20

The role of the sequential internal mammary artery graft in coronary surgery. Tector AJ, et al. **Circulation** 1984 Sep; 70(3 Pt 2):I222–5

Ascending aorta to femoral arteries by–pass: a safe surgical technique of lower limb revascularization in high risk patients undergoing coronary artery by–pass. Nappi GA, et al. **Ital J Surg Sci** 1984;14(1):55–7

Flow characteristics in single and sequential aorto–coronary by–pass grafts. Minale C, et al. **J Cardiovasc Surg (Torino)** 1984 Jan–Feb;25(1):12–5

Noncardioplegic myocardial preservation for coronary revascularization. Akins CW. **J Thorac Cardiovasc Surg** 1984 Aug;88(2):174–81

Intermittent aortic cross–clamping versus St. Thomas' Hospital cardioplegia in extensive aorta–coronary bypass grafting. A randomized clinical study. Flameng W, et al. **J Thorac Cardiovasc Surg** 1984 Aug;88(2):164–73

Effects of reperfusion after acute coronary occlusion on the beating, working heart compared to the arrested heart treated locally and globally with cardioplegia. Franco KL, et al. **J Thorac Cardiovasc Surg** 1984 Apr;87(4):561–6

Combined carotid and coronary operations: when are they necessary? Jones EL, et al. **J Thorac Cardiovasc Surg** 1984 Jan;87(1):7–16

Conditional probability of multiple coronary graft failure. Liddle HV, et al. **J Thorac Cardiovasc Surg** 1984 Apr; 87(4):526–31

'Alternate channel' approaches seek to limit myocardial damage [news] Henahan J. **JAMA** 1984 May 18; 251(19):2489–91

A study of sequential anastomoses in aortocoronary bypass surgery—internal configuration by the casting injection technique. Shioi K, et al. **Thorac Cardiovasc Surg** 1984 Feb; 32(1):18–22

[Aortocoronary bypass operation: report of 15 cases] Guo JQ. **Chung Hua Wai Ko Tsa Chih** 1983 Nov;21(11):686–9 (Eng. Abstr.) **(Chi)**

[Single aorto–coronary saphenous vein bypass grafting surgery] Li ZJ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1983 Dec; 5(6):366–8 (Eng. Abstr.) **(Chi)**

[Suspension of the heart during aortocoronary bypass. A simplified technic] Jouven JC, et al. **Presse Med** 1983 Oct 15;12(36):2253–4 (Eng. Abstr.) **(Fre)**

[Coronary surgery—treatment, choice of surgical technic and results] Meisner H, et al. **Chirurg** 1983 Nov;54(11):715–21 **(Ger)**

[Global and regional left ventricular myocardial function following aorto–coronary multiple (5–, 6–, 7–) bypass. Non–invasive determination with technetium 99m–pertechnetate scintigraphy] Reichart B, et al. **Fortschr Med** 1983 Nov 24;101(44):2009–16 (Eng. Abstr.) **(Ger)**

[Optimizing therapeutic success in aortocoronary bypass operations] Weber M, et al. **Fortschr Med** 1983 Nov 24; 101(44):2044–50 (Eng. Abstr.) **(Ger)**

[Aorto–left coronary reversed J–shape vein bypass grafting] Kazama S, et al. **Kyobu Geka** 1984 May;37(5):368–9 (Eng. Abstr.) **(Jpn)**

[Study on sequential anastomoses in A–C bypass—internal configuration by casting injection technic] Shioi K. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Feb;32(2):194–208 (Eng. Abstr.) **(Jpn)**

[Aortocoronary shunt by side–to–side anastomosis between the shunts] Shabalkin BV, et al. **Grudn Khir** 1984 May–Jun; (3):73–5 **(Rus)**

[Revascularization of the septal branch of the anterior interventricular artery in ischemic heart disease] Shabalkin BV, et al. **Grudn Khir** 1984 Jul–Aug;(4):88–9 **(Rus)**

[1st experiment in combined in operations for insertion of heart valve prostheses and aortocoronary shunting] Tsukerman GI, et al. **Grudn Khir** 1983 Nov–Dec;(6):8–12 (Eng. Abstr.) **(Rus)**

[Effect of arterialization of the coronary vein on ischemic lesion of the myocardium] Shabalkin BV, et al. **Kardiologiia** 1984 Jun;24(6):104–5 **(Rus)**

[One–stage shunting of the anterior interventricular artery using a venous autotransplant and the internal thoracic artery] Belov IuV, et al. **Vestn Khir** 1983 Nov;131(11):70–1 **(Rus)**

MORTALITY

Coronary artery bypass grafting. Early and late results in an Alabama community hospital. Cyrus RJ, et al. **Ala Med** 1984 Jan;53(7):16–9

Coronary artery bypass grafting. Early and late results in an Alabama community hospital. Cyrus RJ, et al. **Ala Med** 1983 Nov;53(5):19–20, 25

Enhanced late survival following coronary artery bypass graft operation for unstable versus chronic angina. Cobanoglu A, et al. **Ann Thorac Surg** 1984 Jan;37(1):52–9

Coronary artery surgery study (CASS): a randomized trial of coronary artery bypass surgery. Survival data. **Circulation** 1983 Nov;68(5):939–50

The value of preoperative exercise testing in predicting long–term survival in patients undergoing aortocoronary bypass surgery. Weiner DA, et al. **Circulation** 1984 Sep; 70(3 Pt 2):I226–31

Survival in 1041 patients with consecutive aorto–coronary bypass operations. Laird–Meeter K, et al. **Eur Heart J** 1984 Jan;5(1):35–42

Coronary artery bypass grafting for unstable angina. Risk factors of operative mortality. Ottino GM, et al. **J Cardiovasc Surg (Torino)** 1984 Mar–Apr;25(2):153–7

Coronary revascularization in septuagenarians. Faro RS, et al. **J Thorac Cardiovasc Surg** 1983 Oct;86(4):616–20

Coronary artery bypass grafting in patients with ejection fractions below forty percent. Early and late results in 466 patients. Hochberg MS, et al. **J Thorac Cardiovasc Surg** 1983 Oct;86(4):519–27

First–year results of a new coronary bypass program. Graham JM, et al. **Mo Med** 1984 Apr;81(4):203–6, 209

Coronary–artery bypass grafting [letter] **N Engl J Med** 1984 May 10;310(19):1262–3

Combined valve replacement and myocardial revascularization. Factors influencing early and late results. Mattila S, et al. **Scand J Thorac Cardiovasc Surg** 1984; 18(1):49–52

Morbidity and mortality conference: coronary artery disease and surgical bypass. Leahy JL, et al. **Va Med** 1983 Jul; 110(7):436–41

PSYCHOLOGY

Psychological adjustment to coronary artery surgery. Ramshaw JE, et al. **Br J Clin Psychol** 1984 May;23 (Pt 2):101–8

A dream after cardiac surgery. Pruyser PW. **Bull Menninger Clin** 1983 Nov;47(6):549–55

Reducing family stress during and after coronary artery bypass surgery. Gilliss CL. **Nurs Clin North Am** 1984 Mar; 19(1):103–11

Psychiatric symptoms, type A behavior, and arrhythmias following coronary bypass. Freeman AM 3d, et al. **Psychosomatics** 1984 Aug;25(8):586–9

REHABILITATION

Comparison of supervised and unsupervised exercise training after coronary bypass surgery. Stevens R, et al. **Am J Cardiol** 1984 Jun 1;53(11):1524–8

Functional benefits following coronary artery bypass graft surgery. Stanton BA, et al. **Ann Thorac Surg** 1984 Apr; 37(4):286–90

Physical training with minimal hospital supervision of patients after coronary artery bypass surgery. Kappagoda CT, et al. **Arch Phys Med Rehabil** 1984 Feb;65(2):57–60

Prognostic factors related to survival and complication–free times in airmen medically certified after coronary surgery. Hammond IW, et al. **Aviat Space Environ Med** 1984 Apr; 55(4):321–31

Telephonically–monitored home exercise early after coronary artery bypass surgery. Fletcher GF, et al. **Chest** 1984 Aug;86(2):198–202

Coronary artery surgery as a measure of vocational rehabilitation: an analysis of the working status of patients with mild angina randomly assigned to medical or surgical treatment. Danchin N, et al. **Eur Heart J** 1983 Oct; 4(10):687–90

The airline pilot after coronary artery bypass grafting. Parker DJ. **Eur Heart J** 1984 Mar;5 Suppl A:77–9 (14 ref.)

The effect of patients' perceptions on return to work after coronary artery bypass surgery. Clancy CA, et al. **Heart Lung** 1984 Mar;13(2):173–6

Exercise testing for patients after myocardial infarction and coronary bypass surgery: emphasis on predischarge phase. Johnston BL. **Heart Lung** 1984 Jan;13(1):18–27

Early ambulation physical activity: myocardial infarction and coronary artery bypass surgery. Wenger NK. **Heart Lung** 1984 Jan;13(1):14–8

Early appraisal of coronary revascularization on quality of life. Penckofer SH, et al. **Nurs Res** 1984 Mar–Apr; 33(2):60–3

Factors related to the early phase of rehabilitation following aortocoronary bypass surgery. O'Connor AM. **Res Nurs Health** 1983 Sep;6(3):107–16

[Rehabilitation and return to work of patients after aortocoronary bypass] Boulay F, et al. **Arch Mal Coeur** 1983 Nov;76(11):1293–301 (Eng. Abstr.) **(Fre)**

[Resuming work and medical treatment following aortopulmonary bypass surgery] Carlier J. **Rev Med Liege** 1984 Mar 1;39(5):215–7 **(Fre)**

[Quality of life in patients with aortocoronary bypass. Follow–up study 4 to 7 years after surgery] Permutti B, et al. **Boll Soc Ital Cardiol** 1983 Feb;28(2):93–107 (Eng. Abstr.) **(Ita)**

STANDARDS

[Noninvasive assessment of graft patency in aortocoronary bypass] Kito Y, et al. **Kyobu Geka** 1983 Dec;36(12):947–52 (Eng. Abstr.) **(Jpn)**

UTILIZATION

Some bypass surgery unnecessary. Results from an NHLBI clinical trial suggest that 25,000 potential bypass patients should not have the surgery [news] Kolata G. **Science** 1983 Nov 11;222(4624):605

AORTOGRAPHY

Angiographic estimation of poststenotic jet kinetics in aortic valve stenosis. Henriksson L. **Acta Radiol [Diagn] (Stockh)** 1984;25(3):185–8

Computed tomography versus aortography for preoperative evaluation of abdominal aortic aneurysm. Larsson EM, et al. **Acta Radiol [Diagn] (Stockh)** 1984;25(2):95–100

A comparison of Iohexol and Conray–60 in peripheral angiography. Gordon IJ, et al. **AJR** 1984 Mar;142(3):563–5

Radiographic signs of acute traumatic rupture of the thoracic aorta. Sefczek DM, et al. **AJR** 1983 Dec;141(6):1259–62

Limitations of qualitative angiographic grading in aortic or mitral regurgitation. Croft CH, et al. **Am J Cardiol** 1984 Jun 1;53(11):1593–8

An assessment of Hexabrix, a low osmolality contrast medium, in aortofemoral angiography. Whitehouse GH, et al. **Australas Radiol** 1984 Feb;28(1):58–61

Aortic dissection: CT and angiographic comparisons. Neumann CH, et al. **Digitale Bilddiagn** 1984 Mar;4(1):14–7

Place of intravenous arteriography with non–numerized

processing in vascular pathology and surgery. Results of 424 investigations. Alison D, et al. **Eur J Radiol** 1984 Feb; 4(1):28–33

Hypertension detection and follow-up program. Baseline chest radiographic characteristics of the hypertensive participants. Oberman A, et al. **Hypertension** 1983 Nov–Dec;5(6 Pt 2):IV190–200

Suprasternal echocardiography–angiographic correlations in the young. Subramanyan R, et al. **Indian J Pediatr** 1983 Jul–Aug;50(405):383–6

Dynamic contrast enhancement of the upper abdomen: effect of contrast medium and body weight. Kormano M, et al. **Invest Radiol** 1983 Jul–Aug;18(4):364–7

Misleading aortographic finding in acute aortic dissection explained. Jamieson NV. **J R Soc Med** 1984 May; 77(5):427–9

Aortic anomalies in an adolescent with the Williams' elfin facies syndrome. Williams RL, et al. **Pediatr Radiol** 1984; 14(2):122–4

A high frame-rate digital subtraction angiography imaging technique for evaluation of aortofemoral runoff. Lewis BD, et al. **Radiology** 1984 Jun;151(3):789–90

Radiological follow-up of transluminally inserted vascular endoprostheses: an experimental study using expanding spirals. Maass D, et al. **Radiology** 1984 Sep;152(3):659–63

[Serum histamine, osmolality and hemodynamics during aortography] Goursot G, et al. **Ann Fr Anesth Reanim** 1984; 3(2):90–3 (Eng. Abstr.) **(Fre)**

[Balloon occlusion aortography in the angiographic study of pulmonary atresia with interventricular defect] Violini R, et al. **G Ital Cardiol** 1983 Oct;13(10):235–8 (Eng. Abstr.) **(Ita)**

[Diagnostic value of selective arteriography of the branches of the abdominal aorta] Datcu MD, et al. **Rev Med Interna [Med Interna]** 1982 May–Jun;34(3):235–41 **(Rum)**

[Optimal projections in selective aortocoronary graft radiography] Esplugas E, et al. **Rev Esp Cardiol** 1984 Jul–Aug;37(4):236–9 (Eng. Abstr.) **(Spa)**

[Coarctation of the abdominal aorta—angiographic study] Oulton C, et al. **Rev Fac Cien Med Univ Nac Cordoba** 1983; 41(1):15–8 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Risk of renal failure after major angiography. Martin-Paredero V, et al. **Arch Surg** 1983 Dec; 118(12):1417–20

Bacteroides aortitis and aneurysm formation following arteriography. Sheehan JP. **J Infect** 1983 Sep;7(2):153–5

The usefullness of CT in the assessment of the resolution of the hematoma due to translumbar aortography. Ziemiański A. **Radiol Diagn (Berl)** 1983;24(6):745–8

Occlusion of the iliac artery in an 18-year-old man. Franzeck UK, et al. **Vasa** 1984;13(2):179–81

INSTRUMENTATION

A double curve catheter for the left axillary artery approach to aortofemoral, selective renal and visceral angiography. Kinnunen J, et al. **Eur J Radiol** 1984 Aug;4(3):229–31

Misdiagnosis of aortic atresia due to catheter malposition. Aryanpur-Kashani I, et al. **Jpn Heart J** 1983 Jul; 24(4):665–8

[Transluminal aortography with a bent catheter] Christensen T. **Ugeskr Laeger** 1983 Sep 26;145(39):3013–5 (Eng. Abstr.) **(Dan)**

METHODS

Assessment of quantitative indices of arterial stenosis derived from intravenous digital subtraction angiography. Peck WW, et al. **Am Heart J** 1984 Sep;108(3 Pt 1):591–7

Angiographic characterization of aortic aneurysms by digital intravenous angiography. Passariello R, et al. **Ann Radiol (Paris)** 1983 Nov;26(7):599–600

A comparison between iohexol and metrizamide, two nonionic contrast media, in aorto-femoral angiography. Whitehouse GH, et al. **Br J Radiol** 1984 Jan;57(673):39–42

Technical considerations in aortography for the investigation of lower limb ischaemia—results from a postal survey. Whitehouse GH. **Br J Radiol** 1984 Jan;57(673):17–22

Antegrade translumbar aortography. Grollman JH Jr, et al. **Radiology** 1984 Oct;153(1):249–50

Digital subtraction angiography of the thoracic aorta. Grossman LB, et al. **Radiology** 1984 Feb;150(2):323–5

[Digital angiography in the exploration of thoracic aorta] Bismuth V, et al. **J Belge Radiol** 1983;66(4):245–51 (Eng. Abstr.) **(Fre)**

[Preoperative intra-arterial digital subtraction angiography in aortoiliac vascular occlusion] Busch P, et al. **Langenbecks Arch Chir** 1983;360(4):287–93 (Eng. Abstr.) **(Ger)**

[Changes in hemostasis indices after translumbar aortography] Elagin OS, et al. **Farmakol Toksikol** 1983 Nov–Dec;46(6):43–7 (Eng. Abstr.) **(Rus)**

[Method of administering the contrast medium in aorto-ilio-femoral occlusions] Anisimov VF. **Vestn Khir** 1984 Mar;132(3):126–7 **(Rus)**

MORTALITY

[Severe complication of translumbar aortography. Apropos of a case] Bernard C, et al. **Sem Hop Paris** 1983 Sep 29; 59(34):2428–30 (Eng. Abstr.) **(Fre)**

AORTOPULMONARY SEPTAL DEFECT see under **HEART DEFECTS, CONGENITAL**

AOTUS TRIVIRGATUS see under **CEBIDAE**

APAMIN see under **BEE VENOMS**

APATITES

Reaction of monofluorophosphate with apatitic substrates. Duff EJ. **Caries Res** 1983;17 Suppl 1:77–90

Chemical stability of carbonate- and fluoride-containing apatites. LeGeros RZ, et al. **Caries Res** 1983;17(5):419–29

Buffer action of fluoridated CO3-apatites during titration (short communication). Okazaki M, et al. **Caries Res** 1984; 18(1):69–70

Formation of fluoridated apatites on ion-permselective membranes. Okazaki M, et al. **Caries Res** 1984;18(1):41–6

Apatite-induced acute bursitides triggered by parathyroidectomy. Schreiber S, et al. **Clin Rheumatol** 1983 Dec;2(4):419–22

[Use of hydroxyl apatite ceramics for frontal osteoplasty] Kumakawa K, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1983 Dec;86(12):1472–7 (Eng. Abstr.) **(Jpn)**

ADMINISTRATION & DOSAGE

[Healing of bone defects after using the preparation 'collapat'] Mittelmeier H, et al. **Chir Narzadow Ruchu Ortop Pol** 1983; 48(5–6):483–8 (Eng. Abstr.) **(Pol)**

[Filling of bone defects with a mixture of collagen and apatite in experimental animal studies] Mittelmeier H, et al. **Chir Narzadow Ruchu Ortop Pol** 1983;48(4):323–7 (Eng. Abstr.) **(Pol)**

ANALYSIS

High-resolution electron microscopy of octacalcium phosphate and its hydrolysis products. Nelson DG, et al. **Calcif Tissue Int** 1984 Mar;36(2):219–32

An infrared method for quantification of carbonate in carbonated apatites. Featherstone JD, et al. **Caries Res** 1984;18(1):63–6

[Fluorapatite in urinary concretions] Kočvara S, et al. **Rozhl Chir** 1983 Oct;62(10):701–6 (Eng. Abstr.) **(Cze)**

[Relation between mineral and pathologic changes in bone tissue. Scanning electron microscopy observations] Mongiorgi R, et al. **Chir Organi Mov** 1982–83;68(3):277–85 (Eng. Abstr.) **(Ita)**

METABOLISM

Scanning electron microscopic and X-ray microdiffractometeric studies on sialolith-crystals in human submandibular glands. Yamamoto H, et al. **Acta Pathol Jpn** 1984 Jan;34(1):47–53

Apatite associated destructive arthritis. Dieppe PA, et al. **Br J Rheumatol** 1984 May;23(2):84–91

Transmission electron microscopic study of calcium phosphate formation in supersaturated solutions seeded with apatite. Doi Y, et al. **Calcif Tissue Int** 1984 Jan; 36(1):39–47

Inhibition of seeded growth of enamel apatite crystals by amelogenin and enamelin proteins in vitro. Doi Y, et al. **J Dent Res** 1984 Feb;63(2):98–105

Acid reactivity of carbonated apatites with strontium and fluoride substitutions. Featherstone JD, et al. **J Dent Res** 1983 Oct;62(10):1049–53

Fluoride retention in sound and demineralized enamel in vivo after treatment with a fluoride varnish (Duraphat). Ogaard B, et al. **Scand J Dent Res** 1984 Jun;92(3):190–7

APAZONE see under **TRIAZINES**

APC VIRUSES see **ADENOVIRUSES, HUMAN**

APE, BARBARY see **MACACA**

APES see **PONGIDAE**

APEU VIRUS see under **BUNYAVIRIDAE**

APEX CARDIOGRAPHY see **KINETOCARDIOGRAPHY**

APGAR SCORE

Problems of sample size and selection in analyses of pregnancy outcomes [letter] Garn SM, et al. **Am J Obstet Gynecol** 1983 Dec 1;147(7):852–3

Apgar scores and umbilical arteriai pH in preterm newborn infants. Goldenberg RL, et al. **Am J Obstet Gynecol** 1984 Jul 15;149(6):651–4

Abnormal fetal heart rate patterns and percentage of creatine phosphokinase-2. Woolley B, et al. **Am J Obstet Gynecol** 1983 Nov 15;147(6):701–2

Obstetric analgesia, anaesthesia and the Apgar score. Murphy JF, et al. **Anaesthesia** 1984 Aug;39(8):760–3

Fetal distress and the condition of newborn infants. Sykes GS, et al. **Br Med J [Clin Res]** 1983 Oct 1;287(6397):943–5

Early adolescent pregnancy: a comparative study of pregnancy outcome in young adolescents and mature women. Scholl TO, et al. **J Adolesc Health Care** 1984 Jul; 5(3):167–71

Effect of vaginal bleeding in early pregnancy on outcome. Batzofin JH, et al. **Obstet Gynecol** 1984 Apr;63(4):515–8

Fetal biophysical profile score and the nonstress test: a comparative trial. Manning FA, et al. **Obstet Gynecol** 1984 Sep;64(3):326–31

Low Apgar scores and neonatal mortality [letter] Miller JM, et al. **Obstet Gynecol** 1984 Apr;63(4):602–3

Out-of-hospital births, U.S., 1978: birth weight and Apgar scores as measures of outcome. Declercq ER. **Public Health Rep** 1984 Jan–Feb;99(1):63–73

Correlation of the one-minute Apgar score and the pH value of umbilical arterial blood. Fields LM, et al. **South Med J** 1983 Dec;76(12):1477–9

[Effect of spontaneous abortion in the first pregnancy on the course of subsequent pregnancy, labor, puerperium and the state of the newborn infant] Lembrych S, et al. **Wiad Lek** 1984 Jan 15;37(2):122–7 (Eng. Abstr.) **(Pol)**

[Dynamic scintigraphy of the placenta as a method of detecting placental insufficiency] Ivanov IP, et al. **Akush Ginekol (Mosk)** 1983 Oct;(10):25–8 (Eng. Abstr.) **(Rus)**

[Birth weight and Apgar score 1982, report of trends] Vargas N, et al. **Rev Chil Pediatr** 1983 May–Jun;54(3):186–91 (Eng. Abstr.) **(Spa)**

APHAKIA

CONGENITAL

Histochemical analysis of extracellular matrix material during embryonic mouse lens morphogenesis in an aphakic strain of mice. Zwaan J, et al. **Dev Biol** 1984 Aug;104(2):380–9

FAMILIAL & GENETIC

[Ultrastructural analysis of the effects of the aphakia gene in mice embryos] Koniukhov BV, et al. **Ontogenez** 1983 Sep–Oct;14(5):491–6 (Eng. Abstr.) **(Rus)**

METABOLISM

Ocular pharmacokinetics of ceftriaxone following subconjunctival injection in rabbits. Jay WM, et al. **Arch Ophthalmol** 1984 Mar;102(3):430–2

Iontophoresis of gentamicin into aphakic rabbit eyes. Sustained vitreal levels. Fishman PH, et al. **Invest Ophthalmol Vis Sci** 1984 Mar;25(3):343–5

PHYSIOPATHOLOGY

A simple, inexpensive method to improve low visual acuity of highly hypermetropic, aphakic patients. Kozlowski JM, et al. **Arch Ophthalmol** 1984 Mar;102(3):466–7

SURGERY

Results of penetrating keratoplasty for aphakic and pseudophakic bullous keratopathy. Schanzlin DJ, et al. **Am J Ophthalmol** 1984 Sep 15;98(3):302–12

Argon laser treatment of the ciliary processes in aphakic glaucoma with flat anterior chamber. Weber PA, et al. **Am J Ophthalmol** 1984 Jan;97(1):82–5

Laser trabeculoplasty. A prospective study of treatment variables. Lustgarten J, et al. **Arch Ophthalmol** 1984 Apr; 102(4):517–9

Pseudophakic retinal detachment. Ramsay RC, et al. **Can J Ophthalmol** 1983 Oct;18(6):262–5

Hydrophilic lenses for refractive keratoplasty: the use of factory lathed materials. Binder PS, et al. **CLAO J** 1984 Jan–Mar;10(1):105–11

Pars plana vitrectomy in aphakic retinal detachments. Verbraeken H, et al. **Int Ophthalmol** 1984 Jan;7(1):21–3

Refractive corneal surgery: the correction of aphakia, hyperopia, and myopia. **Int Ophthalmol Clin** 1983 Fall; 23(3):1–200

Corneal sensitivity after epikeratophakia. Koenig SB, et al. **Ophthalmology (Rochester)** 1983 Oct;90(10):1213–8

Aphakic refractive penetrating keratoplasty using newborn donor corneas. A preliminary report on an alternative approach to refractive correction. Pfister RR, et al. **Ophthalmology (Rochester)** 1983 Oct;90(10):1207–12

THERAPY

Comparative study of the visual performance of various aphakic corrections. Guillon M, et al. **Acta Ophthalmol (Copenh)** 1983 Oct;61(5):851–9

Clinical determination of the corrected retinal image size in spectacle-corrected aphakes. Godio LB, et al. **Am J Optom Physiol Opt** 1984 Mar;61(3):160–5

Extended-wear contact lenses in aphakia: physiology, lens design, fitting, and results. Cavanagh HD. **Trans New Orleans Acad Ophthalmol** 1984;:13–23

APHAKIA, POSTCATARACT

COMPLICATIONS

Neodymium-YAG laser therapy to the anterior hyaloid in aphakic malignant (ciliovitreal block) glaucoma. Epstein DL, et al. **Am J Ophthalmol** 1984 Aug 15;98(2):137–43

Aphakia: possible complications. Thimons JJ Jr. **Am J Optom Physiol Opt** 1983 Dec;60(12):997–8

Intraocular pressure following aphakic transplants.

Nissenkorn I, et al. **Ann Ophthalmol** 1983 Dec; 15(12):1168–71

The repair of aphakic detachments with a temporary balloon buckle and without drainage. Lincoff H, et al. **Fortschr Ophthalmol** 1983;80(4):318–21

Trabeculectomy combined with pars plana vitrectomy in aphakic glaucoma (a comparative study). Billore OP, et al. **Indian J Ophthalmol** 1983 Sep;31(5):642–4

Cystoid macular oedema in aphakic patients. Shah SJ, et al. **Indian J Ophthalmol** 1983 May;31(3):137–9

Fundus findings in aphakia. Vyas UH, et al. **Indian J Ophthalmol** 1983 May;31(3):199–201

Oral fluorescein angioscopy in aphakic children. Morgan KS, et al. **J Pediatr Ophthalmol Strabismus** 1984 Jan–Feb; 21(1):33–6

Effectiveness of nonpenetrating trabeculectomy in aphakic patients with glaucoma. Zimmerman TJ, et al. **Ophthalmic Surg** 1984 Jan;15(1):44–50

Gram-negative corneal ulcers in elderly aphakic eyes with extended-wear lenses. Lemp MA, et al. **Ophthalmology** 1984 Jan;91(1):60–3

Surgical management of chronic glaucoma in aphakia. Bellows AR, et al. **Ophthalmology (Rochester)** 1983 Jul; 90(7):807–13

Penetrating keratoplasty in pseudophakic and aphakic corneal edema. Cavanagh HD, et al. **Trans New Orleans Acad Ophthalmol** 1984;:173–84

Aphakic retinal detachment. Prophylaxis in the second eye. Gilbert CE, et al. **Trans Ophthalmol Soc UK** 1983;103 (Pt 2):161–4

[Echography and prognosis of retinal detachment in aphakia] Ballereau L. **Bull Soc Ophtalmol Fr** 1983 Jun–Jul; 83(6–7):861–4 (Eng. Abstr.) (Fre)

[Use of air and gas in the treatment of detachment of the retina in aphakia] Brasseur G, et al. **Bull Soc Ophtalmol Fr** 1983 Jun–Jul;83(6–7):865–7 (Eng. Abstr.) (Fre)

[Increased radiation exposure of the retina following implantation of intraocular lenses and its prevention using colorless filter glasses] Zrenner E, et al. **Klin Monatsbl Augenheilkd** 1984 Mar;184(3):193–6 (Eng. Abstr.) (Ger)

[Retinal tears in retinal detachment in the aphakic eye] Adamczewska I, et al. **Klin Oczna** 1984 Jan;86(1):19–20 (Eng. Abstr.) (Pol)

[Role of blunt injury in retinal detachment in aphakic eyes] Bartkowska-Orlowska M. **Klin Oczna** 1984 Jan;86(1):25–6 (Eng. Abstr.) (Pol)

[Analysis of failures in the surgical treatment of retinal detachment in the aphakic eye] Bartkowska-Orlowska M, et al. **Klin Oczna** 1984 Feb;86(2):55–7 (Eng. Abstr.) (Pol)

[Time of occurrence of retinal detachment after complicated and uncomplicated cataract extraction] Bejnarowicz A, et al. **Klin Oczna** 1984 Jan;86(1):11–2 (Eng. Abstr.) (Pol)

[Bilateral retinal detachment in aphakia] Bogacki S, et al. **Klin Oczna** 1984 Jan;86(1):17–8 (Eng. Abstr.) (Pol)

[Incidence of retinal detachment after cataract extraction] Cieślińska K, et al. **Klin Oczna** 1984 Jan;86(1):7–9 (Eng. Abstr.) (Pol)

[Macula lutea and peripheral areas in the aphakic eye with retinal detachment] Iwaszkiewicz-Bilikiewiczowa B, et al. **Klin Oczna** 1984 Jan;86(1):23–4 (Eng. Abstr.) (Pol)

[Success of the surgical treatment of retinal detachment in aphakia] Kierzkowska A, et al. **Klin Oczna** 1984 Feb; 86(2):51–3 (Eng. Abstr.) (Pol)

[Intraoperative and postoperative observations on retinal detachment with particular reference to aphakic eyes] Kotania W, et al. **Klin Oczna** 1984 Feb;86(2):65–6 (Eng. Abstr.) (Pol)

[Observation of aphakic eyes for possible development of of retinal detachment] Myszka-Maćkowiakowa A. **Klin Oczna** 1984 Jan;86(1):13–5 (Eng. Abstr.) (Pol)

[Prevention of retinal detachment in the aphakic eye] Pecoldowa K, et al. **Klin Oczna** 1984 Jan;86(1):35–6 (Eng. Abstr.) (Pol)

[Analysis of complications of the surgical treatment of retinal detachment in aphakic eyes] Pecoldowa K, et al. **Klin Oczna** 1984 Feb;86(2):59–61 (Eng. Abstr.) (Pol)

[Intrascleral implant with cerclage in the surgical treatment of retinal detachment in the aphakic eye] Stankiewicz A, et al. **Klin Oczna** 1984 Feb;86(2):63–4 (Eng. Abstr.) (Pol)

[Results of the surgical treatment of retinal detachment in the aphakic eye] Swietlickowa I, et al. **Klin Oczna** 1984 Feb;86(2):45–7 (Eng. Abstr.) (Pol)

[Retinal tears in retinal detachment in the aphakic eye] Szwarcowa C, et al. **Klin Oczna** 1984 Jan;86(1):21–2 (Eng. Abstr.) (Pol)

[Our experiences with the surgical treatment of retinal detachment in aphakia] Varga M. **Klin Oczna** 1984 Feb; 86(2):49–50 (Eng. Abstr.) (Pol)

[Changes in the anterior segment of the contralateral eye in patients with retinal detachment in aphakia] Zachwatowicz B, et al. **Klin Oczna** 1984 Jan;86(1):31–3 (Eng. Abstr.) (Pol)

[Retinal detachment in the aphakic eye] Cernea P, et al. **Rev Chir [Oftalmol]** 1984 Apr–Jun;28(2):93–8 (Eng. Abstr.) (Rum)

DIAGNOSIS

[Work capacity and aphakia] Pokludová E, et al. **Cesk Oftalmol** 1984 Jan;40(1):38–41 (Eng. Abstr.) (Cze)

IMMUNOLOGY

[Lacrimal immunoglobulins in aphakic patients wearing permanent corneal lenses] Secchi AG, et al. **Bull Mem Soc Fr Ophtalmol** 1983;95:186–9 (Fre)

PATHOLOGY

Posterior capsule opacification in pseudophakic eyes. McDonnell PJ, et al. **Ophthalmology** 1983 Dec; 90(12):1548–53

PHYSIOPATHOLOGY

Visual perceptions and observations of an aphakic surgeon. Anderson RM. **Percept Mot Skills** 1983 Dec;57(3 Pt 2):1211–8

[Peripheral visual acuity in aphakia and pseudophakia] Meur G. **Bull Soc Belge Ophtalmol** 1983;204–205:55–60 (Eng. Abstr.) (Fre)

[Experimental study of changes in refraction following retinal detachment surgery. 3. Changes in axial length and refractive power following encircling operation in aphakic eyes] Baba Y. **Nippon Ganka Gakkai Zasshi** 1983; 87(11):1300–7 (Eng. Abstr.) (Jpn)

[The state of the retina in healthy and aphakic eyes after the age of 40] Myszka-Maćkowiakowa A. **Klin Oczna** 1984 Jan;86(1):27–9 (Eng. Abstr.) (Pol)

REHABILITATION

Intraocular lenses versus extended-wear contact lenses in aphakic rehabilitation. A controlled clinical study. Bernth-Petersen P, et al. **Acta Ophthalmol (Copenh)** 1983 Jun;61(3):382–91

Complications of continuous-wear soft contact lenses in a nonreferral population. Spoor TC, et al. **Arch Ophthalmol** 1984 Sep;102(9):1312–3

Advances in cataract surgery and the management of aphakia. Newton MJ. **Bull NY Acad Med** 1984 May; 60(4):441–5

[Long-term prognosis after cataract surgery. 2. Methods of aphakic correction and practical visual acuity] Ikeda S, et al. **Nippon Ganka Gakkai Zasshi** 1984 Mar;88(3):464–7 (Eng. Abstr.) (Jpn)

[Evaluation of corrective contact lenses used after cataract extraction and surgical treatment of retinal detachment] Szymankiewiczowa S. **Klin Oczna** 1984 Mar;86(3):131–2 (Eng. Abstr.) (Pol)

[Causes of disability and changes in work among persons with traumatic cataracts and aphakia] Ferfil'faln IL, et al. **Oftalmol Zh** 1983;38(4):206–9 (Eng. Abstr.) (Rus)

[Indications for corrective eyeglasses after cataract extraction] Avetisov SE. **Vestn Oftalmol** 1984 May–Jun; (3):67–8 (Rus)

SURGERY

Apparent accommodation in pseudophakic eyes after implantation of posterior chamber intraocular lenses. Nakazawa M, et al. **Am J Ophthalmol** 1983 Oct;96(4):435–8

Endothelial cell counts after epikeratophakia surgery. Guss RB, et al. **Ann Ophthalmol** 1983 May;15(5):408–9

Correction of unocular aphakia. Manku MS. **East Afr Med J** 1983 Dec;60(12):857–9

Management of aphakic retinal detachment with small, immobile pupil. Shah SJ, et al. **Indian J Ophthalmol** 1983 May;31(3):202–3

Long-term follow-up of Nd:YAG laser posterior capsulotomy. Keates RH, et al. **J Am Intraocul Implant Soc** 1984 Spring;10(2):164–8

Alloplastic implants for the correction of refractive errors. Binder PS, et al. **Ophthalmology** 1984 Jul;91(7):806–14

Epikeratophakia in children. Morgan KS, et al. **Ophthalmology** 1984 Jul;91(7):780–4

[Keratomileusis and keratophakia for the correction of congenital hypermetropia and aphakia] Barraquer JI. **Bull Mem Soc Fr Ophtalmol** 1983;95:380–90 (Fre)

[YAG lasers and aphakia] Buratto L, et al. **Bull Mem Soc Fr Ophtalmol** 1983;95:102–5 (Fre)

[Barraquer's keratophakia] Couderc JL. **Bull Mem Soc Fr Ophtalmol** 1983;95:198–200 (Fre)

[Permanent gas-permeable lens for aphakia] Elie G, et al. **Bull Mem Soc Fr Ophtalmol** 1983;95:166–8 (Fre)

[J. Barraquer's keratophakia] Ganem J, et al. **Bull Mem Soc Fr Ophtalmol** 1983;95:190–3 (Fre)

[Keratophakia by second intention for the correction of aphakia] Gaster RN, et al. **Bull Mem Soc Fr Ophtalmol** 1983;95:194–7 (Fre)

[Correction of aphakia using intraocular lenses in young patients] Saccol G, et al. **Bull Mem Soc Fr Ophtalmol** 1983; 95:31–5 (Fre)

[Correction of aphakia using contact lenses: effect of the surgical method] Saragoussi JJ, et al. **Bull Mem Soc Fr Ophtalmol** 1983;95:169–73 (Fre)

[Results of the intraocular correction of aphakia following the removal of traumatic cataracts in children] Fedorov SN, et al. **Vestn Oftalmol** 1983 Nov–Dec;(6):15–7 (Eng. Abstr.) (Rus)

[Comparison of traditional surgery and transciliary vitrectomy in treating aphakic glaucoma with vitreal block and a shallow anterior chamber] Movshovich AI, et al. **Vestn Oftalmol** 1983 Jul–Aug;(4):13–5 (Eng. Abstr.) (Rus)

THERAPY

Extended wear contact lenses in pediatric ophthalmology. Ellis P. **CLAO J** 1983 Oct–Dec;9(4):317–21

Changing guidelines for intraocular lens implantation: an opinion. Jaffe NS. **CLAO J** 1983 Oct–Dec;9(4):309–10

Complications of aphakic extended wear lenses encountered during a seven-year period in 100 eyes. Salz JJ, et al. **CLAO J** 1983 Jul–Sep;9(3):241–4

Extended wear of Softcon Vifilcon A lenses by aphakic patients: a two-year study. Traykovski A, et al. **CLAO J** 1983 Oct–Dec;9(4):327–9

Secondary implantation of anterior chamber lenses. Shammas HJ, et al. **J Am Intraocul Implant Soc** 1983 Summer; 9(3):313–6

Aphakia: perceptual and refractive problems of spectacle correction. Borish IM. **J Am Optom Assoc** 1983 Aug; 54(8):701–11

The low vision aphakic patient. Cole RG. **J Am Optom Assoc** 1983 Aug;54(8):735–9

The properties of lenses used for the correction of aphakia. Davis JK, et al. **J Am Optom Assoc** 1983 Aug;54(8):685–93

Clinical management of aphakic antimetropia: contact lens overcorrection. Laifer NJ. **J Am Optom Assoc** 1983 Aug; 54(8):741–2

Lens design factors of aphakic gas permeable lenses. Polse KA. **J Am Optom Assoc** 1983 Aug;54(8):719–24

Kinetic visual disturbances with contact lenses. Keeney AH, et al. **Surv Ophthalmol** 1983 Sep–Oct;28(2):112–6

Extended-wear contact lenses in aphakia: patient selection and complications. Cavanagh HD. **Trans New Orleans Acad Ophthalmol** 1984;:67–74

Extended wear hydrophilic contact lenses for aphakia. Haddad PJ, et al. **Trans Ophthalmol Soc NZ** 1983;35:59–61

[Correction of aphakia] Bronner A, et al. **Bull Mem Soc Fr Ophtalmol** 1983;95:1–28 (Fre)

[Permanent-wear soft lenses in the correction of aphakia in current daily practice] Duvillier P. **Bull Soc Ophtalmol Fr** 1983 Mar;83(3):427–9 (Eng. Abstr.) (Fre)

[Aphakic patients wear it night and day and it is a hard lens] Elie G. **Bull Soc Ophtalmol Fr** 1983 Mar;83(3):361–3 (Eng. Abstr.) (Fre)

[A hard lens—night and day for aphakic patients] Elie G. **Bull Soc Ophtalmol Fr** 1983 Mar;83(3):431–3 (Eng. Abstr.) (Fre)

[Ophthalmologic ways and customs of the correction of aphakia by glasses] Flament J, et al. **Bull Soc Ophtalmol Fr** 1983 Aug–Sep;83(8–9):1035–8 (Eng. Abstr.) (Fre)

[Extended-wear lenses in the aphakic patient] Mouillon M, et al. **Bull Soc Ophtalmol Fr** 1983 Aug–Sep;83(8–9):939–54 (Fre)

[Practical aspects of the correction of aphakia] Ivaşcu M. **Rev Chir [Oftalmol]** 1983 Oct–Dec;27(4):305–7 (Eng. Abstr.) (Rum)

APHANIPTERA see **FLEAS**

APHASIA

see related
DOMINANCE, CEREBRAL

Subject description and generality of results in experiments with aphasic adults. Brookshire RH. **J Speech Hear Disord** 1983 Nov;48(4):342–6

CHEMICALLY INDUCED

Aphasia and right hemiplegia after cervical myelography with metrizamide. A case report. Angiari P, et al. **Neuroradiology** 1984;26(1):61–3

CLASSIFICATION

The logic of neuropsychological research and the problem of patient classification in aphasia. Caramazza A. **Brain Lang** 1984 Jan;21(1):9–20

What the classical aphasia categories can't do for us, and why. Schwartz MF. **Brain Lang** 1984 Jan;21(1):3–8

Fluency and aphasia: a pragmatic reconsideration. Penn C. **S Afr J Commun Disord** 1983;30:3–8

COMPLICATIONS

Speech fluency in crossed aphasia. Henderson VW. **Brain** 1983 Dec;106 (Pt 4):837–57

Patterns of cerebral organization. Bryden MP, et al. **Brain Lang** 1983 Nov;20(2):249–62

Deep dyslexia in a patient with crossed aphasia. Sartori G, et al. **Eur Neurol** 1984;23(2):95–9

Memory disorders in aphasia—I. Auditory immediate recall. Gordon WP. **Neuropsychologia** 1983;21(4):325–39

Semantic paralexia and the wrong hemisphere: a note on Landis, Regard, Graves and Goodglass (1983). Marshall JC, et al. **Neuropsychologia** 1983;21(4):425–7

[Acquired aphasia and epilepsy occurring in childhood (Landau Kleffner syndrome)] Kuusinen L, et al. **Duodecim** 1983;99(23–24):1758–60 (Fin)

[Aphasia with epilepsy: a new syndrome?] Förster C, et al. **Monatsschr Kinderheilkd** 1983 Nov;131(11):788–92 (Eng. Abstr.) (Ger)

[Recovery process of auditory perceptual disorders in a child with word deafness] Shindo M, et al. **No To Shinkei** 1983

Dec;35(12):1177–83 (Eng. Abstr.) (Jpn)

DIAGNOSIS

Comparison of schizophrenic patients with formal thought disorder and neurologically impaired patients with aphasia. Faber R, et al. **Am J Psychiatry** 1983 Oct;140(10):1348–51

Aphemia. Clinical–anatomic correlations. Schiff HB, et al. **Arch Neurol** 1983 Nov;40(12):720–7

The prognostic significance of sound recognition in receptive aphasia. Varney NR. **Arch Neurol** 1984 Feb;41(2):181–2

Transcortical motor aphasia: one or two aphasias? Ardila A, et al. **Brain Lang** 1984 Jul;22(2):350–3

Comparison of the performances of a fluent and a nonfluent aphasic on a pantomimic referential task. Duffy RJ, et al. **Brain Lang** 1984 Mar;21(2):260–73

Disruption of written language in aphasia: a case study. Freedman–Stern R, et al. **Brain Lang** 1984 Jul; 22(2):181–205

Correlations of glucose metabolism and structural damage to language function in aphasia. Metter EJ, et al. **Brain Lang** 1984 Mar;21(2):187–207

What do we mean by 'aphasic syndromes?' A neurologist's view. Poeck K. **Brain Lang** 1983 Sep;20(1):79–89

A case of acquired aphasia and convulsive disorder: some linguistic aspects of recovery and breakdown. van de Sandt–Koenderman WM, et al. **Brain Lang** 1984 Jan; 21(1):174–83

Agrammatism on inflectional bound morphemes: a case study of a Hindi–speaking aphasic patient. Bhatnagar S, et al. **Cortex** 1984 Jun;20(2):295–301

Neurolinguistic analysis of recurrent utterance in aphasia. Code C. **Cortex** 1982 Apr;18(1):141–52

On the basis for the agrammatic's difficulty in producing main verbs. Miceli G, et al. **Cortex** 1984 Jun;20(2):207–20

Exploring the aphasiac's naming disturbances; a new approach using the neighbourhood limited classification method. Moerman C, et al. **Cortex** 1983 Dec;19(4):529–43

A longitudinal study of patients with severe developmental disorders of language learning. Paul R, et al. **J Am Acad Child Psychiatry** 1983 Nov;22(6):525–34

Pathologic left–handedness: does it exist? McManus IC. **J Commun Disord** 1983 Sep;16(5):315–44

Communication and related problems as perceived by aphasic individuals and their spouses. Shewan CM, et al. **J Commun Disord** 1984 Jun;17(3):175–87

Factors influencing naming performance in aphasia: a review of the literature. Williams SE. **J Commun Disord** 1983 Sep; 16(5):357–72

Verbal impairment after closed head injury. Report of a replication study. Sarno MT. **J Nerv Ment Dis** 1984 Aug; 172(8):475–9

Dysphasia, dyspraxia, and dysarthria: distinguishing features, Part I. Boss BJ. **J Neurosurg Nurs** 1984 Jun;16(3):151–60

Dysphasia, dyspraxia, and dysarthria: distinguishing features, Part II. Boss BJ. **J Neurosurg Nurs** 1984 Aug;16(4):211–6

Measurement of reading comprehension in aphasia with the RCBA. Van Demark AA, et al. **J Speech Hear Disord** 1982 Aug;47(3):288–91

Reading problems in chronic aphasia. Webb WG, et al. **J Speech Hear Disord** 1983 May;48(2):164–71

Use of contrastive stress in normal, aphasic, and autistic children. Baltaxe CA. **J Speech Hear Res** 1984 Mar; 27(1):97–105

CT criteria of hemisphere asymmetry fail to predict language laterality. Henderson VW, et al. **Neurology (NY)** 1984 Aug; 34(8):1086–9

Acquired aphasia in children: revisited. Hécaen H. **Neuropsychologia** 1983;21(6):581–7

Some acoustic aspects of fundamental frequency of CVC utterances in aphasia. Ryalls JH. **Phonetica** 1984; 41(2):103–11

Aphasia vs functional disorder: factors in differential diagnosis. Sevush S, et al. **Psychosomatics** 1983 Sep; 24(9):847–8

[Acquired aphasia with epilepsy in the child] De Negri M, et al. **Neuropsychiatr Enfance Adolesc** 1983 Nov–Dec; 31(11–12):515–25 (Eng. Abstr.) (Fre)

[Development of aphasic symptomatology with age. Discussion apropos of an anatomo–clinical case] Joanette Y, et al. **Rev Neurol (Paris)** 1983;139(11):657–64 (Eng. Abstr.) (Fre)

[Apropos of the Landau–Kleffner syndrome. Acquired aphasia–epilepsy in a child] Vidailhet C, et al. **Rev Otoneuroophtalmol** 1983 May–Jun;55(3):215–9 (Eng. Abstr.) (Fre)

[Differential diagnosis in phoniatrics and pediatric audiology. Language–aphasia] Kitzing P, et al. **Fortschr Neurol Psychiatr** 1983 Aug;51(8):282–93 (Eng. Abstr.) (Ger)

[Repetitive phenomenona in the spontaneous speech of aphasic patients: perseveration, stereotypy, echolalia, automatism and recurring utterance] Wallesch CW, et al. **Fortschr Neurol Psychiatr** 1983 Dec;51(12):427–30 (Eng. Abstr.) (Ger)

[The course of the disease in global transitory amnesia] Skvarc A, et al. **Nervenarzt** 1984 Feb;55(2):72–4 (Ger)

[Contribution to our knowledge of the Landau and Kleffner 'acquired aphasia with epilepsy' syndrome] Lorizio A, et al. **Riv Patol Nerv Ment** 1982 Sep–Oct;103(5):201–14 (Eng. Abstr.) (Ita)

ETIOLOGY

Aphasia and hemiparesis following stellate ganglion block. Scott DL, et al. **Anesth Analg** 1983 Nov;62(11):1038–40

Nominal dysphasia and the severity of senile dementia. Skelton–Robinson M, et al. **Br J Psychiatry** 1984 Aug; 145:168–71

Sex differences in cerebral organization for speech and praxic functions. Kimura D. **Can J Psychol** 1983 Mar;37(1):19–35

Acute dysphasia associated with hypoglycemia. Raz I, et al. **Isr J Med Sci** 1984 Aug;20(8):729–30

Aphasia after successful radiation treatment: a report of two cases. Burns MS, et al. **J Speech Hear Disord** 1984 Feb; 49(1):107–11

Aphasia with a left frontal interhemispheric hematoma. Tijssen CC, et al. **Neurology (NY)** 1984 Sep;34(9):1261–4

Alzheimer's disease presenting as slowly progressive aphasia. Pogacar S, et al. **RI Med J** 1984 Apr;67(4):181–5

Clinical implications of a neuropsychological approach to aphasia. Kagan A, et al. **S Afr J Commun Disord** 1983; 30:56–62

[Aphasia: causes, age distribution and hearing function] Böhme G. **Laryngol Rhinol Otol (Stuttg)** 1984 Feb; 63(2):79–81 (Eng. Abstr.) (Ger)

[A case of conduction aphasia after cerebral infarction in the left anterior parietal lobe] Tanabe H, et al. **No To Shinkei** 1983 Jun;35(6):559–67 (Eng. Abstr.) (Jpn)

[Transcortical sensory aphasia produced by lesions of the anterior basal ganglia area] Yamadori A, et al. **No To Shinkei** 1984 Mar;36(3):261–6 (Eng. Abstr.) (Jpn)

FAMILIAL & GENETIC

Aphasia/apraxia and familial aggregation in Alzheimer's disease [letter] Breitner JC. **Ann Neurol** 1984 Jun; 15(6):614–5

HISTORY

Where does the term 'aphasia' come from? Ryalls J. **Brain Lang** 1984 Mar;21(2):358–63

Rediscovery of Leborgne's brain: anatomical description with CT scan. Signoret JL, et al. **Brain Lang** 1984 Jul; 22(2):303–19

OCCURRENCE

[Aphasia in the Netherlands; extent of the problem] Davidse W, et al. **Tijdschr Gerontol Geriatr** 1984 Jun;15(3):99–104 (Eng. Abstr.) (Dut)

PATHOLOGY

Disturbances of long–term memory in aphasic patients. A comparison of anterior and posterior lesions. Risse GL, et al. **Brain** 1984 Jun;107 (Pt 2):605–17

Crossed aphasia in dextrals: a case report with special reference to site of lesion. Habib M, et al. **Neuropsychologia** 1983;21(4):413–8

[An autopsy case of transcortical motor aphasia] Enokido H, et al. **No To Shinkei** 1983 Nov;35(11):1131–40 (Eng. Abstr.) (Jpn)

PHYSIOPATHOLOGY

A discussion of apraxia, aphasia, and gestural language. Helm–Estabrooks N. **Am J Physiol** 1984 Jun;246(6 Pt 2):R884–7

Apraxia and aphasia for a visual–gestural language. Poizner H, et al. **Am J Physiol** 1984 Jun;246(6 Pt 2):R868–83

Mechanisms of recovery from aphasia: evidence from serial xenon 133 cerebral blood flow studies. Knopman DS, et al. **Ann Neurol** 1984 Jun;15(6):530–5

Transfer of language dominance. Lee H, et al. **Ann Neurol** 1984 Mar;15(3):304–7

Focal cerebral hypoperfusion in children with dysphasia and/or attention deficit disorder. Lou HC, et al. **Arch Neurol** 1984 Aug;41(8):825–9

Repetition of affective prosody in mixed transcortical aphasia. Speedie LJ, et al. **Arch Neurol** 1984 Mar; 41(3):268–70

Prognosis for improved verbal communication in aphasic stroke patients. Marshall RC, et al. **Arch Phys Med Rehabil** 1983 Dec;64(12):597–600

Colour anomia resulting from weakened short–term colour memory. A case study. Davidoff JB, et al. **Brain** 1984 Jun; 107 (Pt 2):415–31

A two–route model of speech production. Evidence from aphasia. McCarthy R, et al. **Brain** 1984 Jun;107 (Pt 2):463–85

Neurolinguistic status and localization of lesion in aphasic patients with exclusively consonant–vowel recurring utterances. Poeck K, et al. **Brain** 1984 Mar;107 (Pt 1):199–217

Category specific access dysphasia. Warrington EK, et al. **Brain** 1983 Dec;106 (Pt 4):859–78

Finger localization and reading ability in three groups of children ages three through twelve. Hutchinson BB. **Brain Lang** 1983 Sep;20(1):143–54

Speech sound errors in patients with conduction and Broca's aphasia. Monoi H, et al. **Brain Lang** 1983 Nov;20(2):175–94

Phonetic disintegration in aphasia: acoustic analysis of spectral characteristics for place of articulation. Shinn P, et al. **Brain Lang** 1983 Sep;20(1):90–114

The role of right hemispheric information processing strategies in language recovery in aphasia: an electroencephalographic investigation of hemispheric alpha asymmetries in normal and aphasic subjects. Moore WH Jr. **Cortex** 1984 Jun;20(2):193–205

Aphasic performance on a battery of constructional, visuo–spatial, and quantitative tasks: factorial structure and CT scan localization. Borod JC, et al. **J Clin Neuropsychol** 1984 May;6(2):189–204

Clausal intonation after unilateral brain damage. Cooper WE, et al. **Lang Speech** 1984 Jan–Mar;27 (Pt 1):17–24

How much does aphasia contribute to the localization of language? Critchley M. **NC Med J** 1983 Dec;44(12):779–83

Anatomic basis of transcortical motor aphasia. Freedman M, et al. **Neurology (NY)** 1984 Apr;34(4):409–17

Persistent Broca's aphasia after right cerebral infarction in a right–hander. Hindson DA, et al. **Neurology (NY)** 1984 Mar;34(3):387–9

Apraxia and aphasia: the functional–anatomical basis for their dissociation. Kertesz A, et al. **Neurology (NY)** 1984 Jan; 34(1):40–7

Visual anomia ... [letter] Margolin DI. **Neurology (NY)** 1984 Mar;34(3):398–9

Crossed Wernicke's aphasia. Sweet EW, et al. **Neurology (NY)** 1984 Apr;34(4):475–9

Resting CBF sequential study during recovery from aphasia due to ischemic stroke. Demeurisse G, et al. **Neuropsychologia** 1984;22(2):241–6

Evoked potential correlates of recovery from aphasia after focal left hemisphere injury in adults. Papanicolaou AC, et al. **Neurosurgery** 1984 Apr;14(4):412–5

[Study on aphasia in cerebrovascular disease: neurologic and linguistic investigation on the repetition performance, and its clinical implication] Motomura S. **Fukuoka Igaku Zasshi** 1983 Dec;74(12):825–46 (Eng. Abstr.) (Jpn)

PSYCHOLOGY

Effects of intensity variations on auditory processing in aphasia. II. Different intensities at each ear. McNeil MR, et al. **Audiology** 1983;22(6):582–615

Effects of intensity variations on auditory processing in aphasia. I. Equal intensities at each ear. McNeil MR, et al. **Audiology** 1983;22(6):560–81

Drawing objects from memory in aphasia. Gainotti G, et al. **Brain** 1983 Sep;106 (Pt 3):613–22

From 4 to four. A supplement to 'From three to 3'. Seron X, et al. **Brain** 1983 Sep;106 (Pt 3):735–44

The processing of the sounds and meanings of ongoing speech by aphasic subjects. Beck AR. **Brain Lang** 1984 Jul; 22(2):320–38

Acoustic cues for the perception of place of articulation in aphasia. Blumstein SE, et al. **Brain Lang** 1984 May; 22(1):128–49

Comprehension of directly and indirectly stated main ideas and details in discourse by brain–damaged and non–brain–damaged listeners. Brookshire RH, et al. **Brain Lang** 1984 Jan;21(1):21–36

Reconstructive retrieval deficits in Broca's aphasia. Cermak LS, et al. **Brain Lang** 1984 Jan;21(1):95–104

Semantic errors reconsidered in the procedural light of stack concepts. Deloche G, et al. **Brain Lang** 1984 Jan; 21(1):59–71

The effect of response choice relatedness on pantomime and verbal recognition ability in aphasic patients. Duffy JR, et al. **Brain Lang** 1984 Mar;21(2):291–306

Interruption of phonological coding in conduction aphasia. Friedrich FJ, et al. **Brain Lang** 1984 Jul;22(2):266–91

Altered patterns of word associations in dementia and aphasia. Gewirth LR, et al. **Brain Lang** 1984 Mar; 21(2):307–17

Identification of pictured homonyms: latent phonological knowledge in Broca's aphasia. Kohn SE, et al. **Brain Lang** 1984 May;22(1):160–6

The effect of semantic plausibility on sentence comprehension in aphasia. Kudo T. **Brain Lang** 1984 Mar;21(2):208–18

Lexical creativity during instances of word–finding difficulty: Broca's vs. Wernicke's aphasia. Liederman J, et al. **Brain Lang** 1983 Sep;20(1):21–32

Immediate memory span, recognition memory for subspan series of words, and serial position effects in recognition memory for supraspan series of verbal and nonverbal items in Broca's and Wernicke's aphasia. Ostergaard AL, et al. **Brain Lang** 1984 May;22(1):1–13

Comprehending homographs in aphasia. Pierce RS. **Brain Lang** 1984 Jul;22(2):339–49

Recovery of single word comprehension: CT–scan correlates. Selnes OA, et al. **Brain Lang** 1984 Jan;21(1):72–84

Agrammatism in a case–inflected language: comprehension of agent–object relations. Smith SD, et al. **Brain Lang** 1984 Mar;21(2):274–90

Phonemic imperception in aphasia. Varney NR. **Brain Lang** 1984 Jan;21(1):85–94

Comprehension of main ideas and details in coherent and noncoherent discourse by aphasic and nonaphasic listeners. Wegner ML, et al. **Brain Lang** 1984 Jan;21(1):37–51

The effects of focal brain damage on pragmatic expression. Bates E, et al. **Can J Psychol** 1983 Mar;37(1):59–84

Discrimination and identification of voicing and place contrasts in aphasic patients. Yeni–Komshian GH, et al. **Can J Psychol** 1983 Mar;37(1):107–31

A comment on Heeschen's 'Strategies of decoding actor–object relations by aphasic patients'. Caramazza A.

Cortex 1982 Apr;18(1):159–60
On the origins of recurrent utterances in aphasia. Code C. **Cortex** 1982 Apr;18(1):161–4
Nonlinguistic memory in aphasia. Grober E. **Cortex** 1984 Mar;20(1):67–73
Aphasic reading and writing: possible evidence for right hemisphere participation. Landis T, et al. **Cortex** 1982 Apr; 18(1):105–12
Brain organization for language: clues from sign aphasia. Bellugi U, et al. **Hum Neurobiol** 1983;2(3):155–70
Speech representation in an unbiased sample of left-handers. Kimura D. **Hum Neurobiol** 1983;2(3):147–54
Quantitative studies on speech characteristics of aphasics. A statistical approach to vocabulary. Kreindler A, et al. **Hum Neurobiol** 1983;2(3):171–6
Intonation as a cue to speech act identification in aphasic and other brain-damaged patients [news] Lonie J, et al. **Int J Rehabil Res** 1983 Dec;6(4):512–3
Raven IQ and language recovery following stroke. David RM, et al. **J Clin Neuropsychol** 1984 Aug;6(3):302–8
Language-based cognitive abilities in adult aphasia: rationale for intervention. Chapey R. **J Commun Disord** 1983 Nov; 16(6):405–24
Visuospatial analysis of the printed word. Glaser L, et al. **J Commun Disord** 1983 Nov;16(6):425–33
Pantomime in aphasia: effects of stimulus characteristics. Netsu R, et al. **J Commun Disord** 1984 Feb;17(1):37–46
Influence of written form on reading comprehension in aphasia. Williams SE. **J Commun Disord** 1984 Jun; 17(3):165–74
Aphasia with elation, hypermusia, musicophilia and compulsive whistling. Jacome DE. **J Neurol Neurosurg Psychiatry** 1984 Mar;47(3):308–10
From 2 to two: an analysis of a transcoding process by means of neuropsychological evidence. Seron X, et al. **J Psycholinguist Res** 1984 May;13(3):215–36
Influence of semantic work category and mora number on naming disturbances in Japanese aphasics. Yokoyama K. **Kobe J Med Sci** 1983 Jun;29(2–3):53–61
Reading: selective sparing of closed-class words in Wernicke's aphasia. Coslett HB, et al. **Neurology (NY)** 1984 Aug;34(8):1038–45
Aphasics' perception of words in sentential context: some real-time processing evidence. Friederici AD. **Neuropsychologia** 1983;21(4):351–8
The production of morphological and lexical opposites in aphasia. Gainotti G, et al. **Neuropsychologia** 1983; 21(6):693–7
'Late' recovery of the right ear dichotic score following cerebrovascular accident: a case report. Niccum N, et al. **Neuropsychologia** 1983;21(6):699–704
Right-hemisphere linguistic functioning. McLoughlin CS, et al. **Percept Mot Skills** 1983 Oct;57(2):407–14
[Specific communication disorders in developmental dysphasia] Levi G, et al. **Neuropsychiatr Enfance Adolesc** 1984 Jan;32(1):49–56 (Eng. Abstr.) **(Fre)**
[Empirical study of the social status of aphasia patients] Joussen K, et al. **Folia Phoniatr (Basel)** 1984;36(2):66–73 (Eng. Abstr.) **(Ger)**
[Visual memory in aphasics] Glozman ZhM, et al. **Zh Nevropatol Psikhiatr** 1983;83(12):1830–5 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

CT scan cerebral hemispheric asymmetry measurements in stroke cases with global aphasia: atypical asymmetries associated with improved recovery. Pieniadz JM, et al. **Cortex** 1983 Sep;19(3):371–91
CT scan studies of aphasia. Cappa SF, et al. **Hum Neurobiol** 1983;2(3):129–34 (63 ref.)
Transient aortic arch syndrome with dysphasia due to ergotism. Feneley MP, et al. **Stroke** 1983 Sep–Oct; 14(5):811–4

REHABILITATION

International trends in aphasia rehabilitation. Hilton L, et al. **Arch Phys Med Rehabil** 1983 Oct;64(10):462–7 (42 ref.)
The use of augmentative communication systems in schools and units for autistic and aphasic children in the United Kingdom. Kiernan C, et al. **Br J Disord Commun** 1984 Apr;19(1):47–61
Visual action therapy for global aphasia. Helm-Estabrooks N, et al. **J Speech Hear Disord** 1982 Nov;47(4):385–9
An experimental analysis of auxiliary and copula verb generalization in aphasia. Kearns KP, et al. **J Speech Hear Disord** 1984 May;49(2):152–63
Speech therapy for the stroke patient [letter] **Lancet** 1984 Jul 14;2(8394):104
Speech therapy for aphasic stroke patients [letter] **Lancet** 1984 Jun 23;1(8391):1413–4
Communication for the speechless person. Horner J. **NC Med J** 1984 Aug;45(8):505–9
Word entrophy, a cybernetic measure in rehabilitation of aphasia. Voinescu I, et al. **Neurol Psychiatr (Bucur)** 1984 Jan–Mar;22(1):55–70
[Recovery from aphasia and cerebral blood flow: a comparison between cerebral hemorrhage and cerebral thrombosis] Nagata K, et al. **No To Shinkei** 1984 May; 36(5):481–9 (Eng. Abstr.) **(Jpn)**

SURGERY

Dysphagia with Angelchik prosthesis [letter] Clarke JM. **Ann Thorac Surg** 1984 Apr;37(4):355

THERAPY

Speech therapists and volunteers–some comments on recent investigations of their effectiveness in the treatment of aphasia: response to T.R. Pring. David R, et al. **Br J Disord Commun** 1983 Sep;18(2):73–7
Communication in aphasia therapy: some of the procedures and issues involved. Green G. **Br J Disord Commun** 1984 Apr;19(1):35–46
Speech therapists and volunteers—some comments on recent investigations of their effectiveness in the treatment of aphasia. Pring TR. **Br J Disord Commun** 1983 Sep; 18(2):65–73
Telecomputer treatment for aphasia [letter] Fitch JL. **J Speech Hear Disord** 1983 Aug;48(3):335–6
Effectiveness of speech therapy for aphasic stroke patients. A randomised controlled trial. Lincoln NB, et al. **Lancet** 1984 Jun 2;1(8388):1197–200
[Results of a multicenter study on the spontaneous prognosis of aphasias of vascular etiology] Willmes K, et al. **Nervenarzt** 1984 Feb;55(2):62–71 **(Ger)**
[Japanese-applied melodic intonation therapy for Broca aphasia] Seki K, et al. **No To Shinkei** 1983 Oct; 35(10):1031–7 (Eng. Abstr.) **(Jpn)**

APHASIA, ACQUIRED see under **APHASIA**

APHASIA, BROCA see under **APHASIA**

APHASIA, CHILDHOOD see under **APHASIA**

APHASIA TESTS see under **LANGUAGE TESTS**

APHASIA, WERNICKE see under **APHASIA**

APHIDS

ENZYMOLOGY

[Multiple molecular forms of esterases from grass aphids inhibitory identification and stereospecificity] Volkova RI, et al. **Biokhimiia** 1983 Oct;48(10):1634–42 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Aphid transmission and a polypeptide are specified by a defined region of the cauliflower mosaic virus genome. Woolston CJ, et al. **Gene** 1983 Jul;23(1):15–23

APHOLATE see under **AZIRINES**

APHONIA

THERAPY

Psychotherapy of the elderly. Case 4: Psychotherapeutic treatment of functional aphonia in an 84-year-old woman. Beck L. **J Geriatr Psychiatry** 1983;16(1):63–6

APHORISMS AND PROVERBS

Proverbs and the modern mental status exam. Reich JH. **Compr Psychiatry** 1981 Sep–Oct;22(5):528–31
Proverbs, slogans and folk sayings in the therapeutic community: a neglected therapeutic tool. Bassin A. **J Psychoactive Drugs** 1984 Jan–Mar;16(1):51–6
The grass is always greener: an ecological analysis of an old aphorism. Pomerantz JR. **Perception** 1983;12(4):501–2
Proverbs of love and marriage: a psychological perspective. Kahn C. **Psychoanal Rev** 1983 Fall;70(3):359–71
[Stomatology in classical proverbs and quotations] Pastinszky I. **Fogorv Sz** 1984 May;77(5):139–41 (Eng. Abstr.) **(Hun)**
[Functions of the mouth: mastication, laughter, speech, taste in classical proverbs and quotations] Pastinszky I. **Fogorv Sz** 1984 Jul;77(7):217–8 (Eng. Abstr.) **(Hun)**

APHRODISIACS

The aphrodisiac effect of low doses of (-) deprenyl in male rats. Yen TT, et al. **Pol J Pharmacol Pharm** 1982 Nov–Dec; 34(5–6):303–8

PHARMACODYNAMICS

Enhancement of sexual motivation in male rats by yohimbine. Clark JT, et al. **Science** 1984 Aug 24;225(4664):847–9

POISONING

[Cantharidin poisoning] Pines A, et al. **Harefuah** 1984 Mar 1;106(5):220 (Eng. Abstr.) **(Heb)**

APHTHAE see **STOMATITIS, APHTHOUS**

APICOECTOMY

Endodontic therapy using hemisections and root amputations. Symons B. **NY State Dent J** 1984 Apr;50(4):225–7
[Use of radiculectomized teeth as prosthetic abutments. Comments on 40 cases] Borio PS, et al. **Minerva Stomatol** 1984 May–Jun;33(3):495–502 (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

[Apex denudation, a complication of apical curettage] Commissionat Y, et al. **Actual Odontostomatol (Paris)** 1984 Mar;145:23–9 (Eng. Abstr.) **(Fre)**

METHODS

[Combined endodontic and apical surgery therapy in a case of dens invaginatus] Marini R. **Minerva Stomatol** 1983 Jul–Aug;32(4):557–60 (5 ref.) (Eng. Abstr.) **(Ita)**

APIS VENOMS see **BEE VENOMS**

APLYSIA

Internal stimuli enhance feeding behavior in the mollusc Aplysia. Susswein AJ, et al. **Behav Neural Biol** 1984 May; 41(1):90–5
Behavioral patterns of Aplysia fasciata along the Mediterranean coast of Israel. Susswein AJ, et al. **Behav Neural Biol** 1984 May;41(1):7–22
Cytolytic factor in eggs of the sea hare Aplysia kurodai. Yamazaki M, et al. **Gann** 1984 Mar;75(3):269–74
Calcium/calmodulin-dependent protein phosphorylation in the nervous system of Aplysia. DeRiemer SA, et al. **J Neurosci** 1984 Jun;4(6):1618–25

ANALYSIS

Aplysia oxymyoglobin with an unusual stability property. Shikama K, et al. **J Mol Biol** 1984 Apr 25;174(4):697–704
Determination of glutathione and ATP in ganglia and individual neurons of Aplysia californica. Stein C, et al. **J Neurochem** 1984 Apr;42(4):1170–4

ENZYMOLOGY

A putative processing enzyme from Aplysia that cleaves dynorphin A at the single arginine residue. Wallace EF, et al. **Biochem Biophys Res Commun** 1984 Feb 29; 119(1):415–22

GENETICS

Gene isolation with cDNA probes from identified Aplysia neurons: neuropeptide modulators of cardiovascular physiology. Nambu JR, et al. **Cell** 1983 Nov;35(1):47–56
How genes control an innate behavior. Scheller RH, et al. **Sci Am** 1984 Mar;250(3):54–62

GROWTH & DEVELOPMENT

Neurogenesis in Aplysia californica resembles nervous system formation in vertebrates. Jacob MH. **J Neurosci** 1984 May; 4(5):1225–39

METABOLISM

Concentrations and activity coefficients of Na+, K+ and Cl- in Aplysia californica enterocytes. Gerencser GA. **Comp Biochem Physiol [A]** 1984;77(4):717–20
Intracellular injection of guanyl nucleotides alters the serotonin-induced increase in potassium conductance in Aplysia neuron R15. Lemos JR, et al. **J Gen Physiol** 1984 Feb;83(2):269–85
Characterization of glycolipids synthesized in an identified neuron of Aplysia californica. Sherbany AA, et al. **J Neurosci** 1984 Jul;4(7):1875–83

PHYSIOLOGY

Behavioral changes in aging Aplysia: a model system for studying the cellular basis of age-impaired learning, memory, and arousal. Bailey CH, et al. **Behav Neural Biol** 1983 May;38(1):70–81
Neuroethological studies of reflex plasticity in intact Aplysia. Eberly LB, et al. **Behav Neurosci** 1984 Aug;98(4):609–30
Thiocyanate inhibition of active chloride absorption in Aplysia intestine. Gerencser GA. **Biochim Biophys Acta** 1984 Sep 5;775(3):389–94
Heterosynaptic facilitation and behavioral sensitization are inhibited by lowering endogenous cAMP in Aplysia. Belardetti F, et al. **Brain Res** 1983 Dec 12;288(1–2):95–104
Two neuronal populations in the head ganglia of Aplysia californica with egg-laying hormone-like immunoreactivity. Chiu AY, et al. **Brain Res** 1984 Feb 27; 294(1):83–93
Repetitive activity alters spike initiation locus and conduction velocity in Aplysia axons. Mooney R, et al. **Brain Res** 1984 Apr 9;297(1):196–9
Neuropeptide activation of an identifiable buccal ganglion motoneuron in Aplysia. Ram JL. **Brain Res** 1983 Dec 12; 288(1–2):177–86
Voltage clamp analysis of ethanol effects on pacemaker currents of Aplysia neurons. Schwartz MH. **Brain Res** 1983 Nov 14;278(1–2):341–5
A neural pathway for learning that food is inedible in Aplysia. Schwarz M, et al. **Brain Res** 1984 Mar 5;294(2):363–6
Vipoxin both activates and antagonizes three types of acetylcholine response in Aplysia neurons. Slater NT, et al. **Brain Res** 1983 Nov 14;278(1–2):266–70
Slow depolarization produced by associative conditioning of Aplysia sensory neurons may enhance Ca2+ entry. Walters

ET, et al. **Brain Res** 1983 Nov 28;280(1):165–8
Post-tetanic potentiation in Aplysia sensory neurons. Walters ET, et al. **Brain Res** 1984 Feb 20;293(2):377–80
FMRFamide effects on spontaneous and induced contractions of the anterior gizzard in Aplysia. Austin T, et al. **Can J Physiol Pharmacol** 1983 Aug;61(8):949–53
Transfer of habituation between stimulation sites of the siphon withdrawal reflex in Aplysia californica. Goldberg JI, et al. **Can J Physiol Pharmacol** 1983 Jul;61(7):749–55
The gill withdrawal reflex is suppressed in sexually active Aplysia. Lukowiak K, et al. **Can J Physiol Pharmacol** 1983 Jul;61(7):743–8
Gene expression and the diversity of identified neurons. Buck L, et al. **Cold Spring Harbor Symp Quant Biol** 1983;48 Pt 2:485–92
Modulation of a specific potassium channel in sensory neurons of Aplysia by serotonin and cAMP-dependent protein phosphorylation. Camardo JS, et al. **Cold Spring Harbor Symp Quant Biol** 1983;48 Pt 1:213–20
Classical conditioning and sensitization share aspects of the same molecular cascade in Aplysia. Kandel ER, et al. **Cold Spring Harbor Symp Quant Biol** 1983;48 Pt 2:821–30
The molecular basis of a neuroendocrine fixed action pattern: egg laying in Aplysia. Mahon AC, et al. **Cold Spring Harbor Symp Quant Biol** 1983;48 Pt 1:405–12
What molecular steps determine the time course of the memory for short-term sensitization in Aplysia? Schwartz JH, et al. **Cold Spring Harbor Symp Quant Biol** 1983;48 Pt 2:811–9
A re-excitation mechanism for strychnine-induced doublets in molluscan neurons. Gola M, et al. **Comp Biochem Physiol [C]** 1984;77(2):257–66
Egg-laying hormone: direct action on the ovotestis of Aplysia. Rothman BS, et al. **Gen Comp Endocrinol** 1983 Oct;52(1):134–41
Spike aftercurrents in R15 of Aplysia: their relationship to slow inward current and calcium influx. Lewis DV. **J Neurophysiol** 1984 Feb;51(2):387–403
Effects of 5-hydroxytryptamine on membrane potential, contractility, accumulation of cyclic AMP, and Ca2+ movements in anterior aorta and ventricle of Aplysia. Sawada M, et al. **J Neurophysiol** 1984 Feb;51(2):361–74
L-glutamic acid, a possible neurotransmitter to anterior aorta of Aplysia. Sawada M, et al. **J Neurophysiol** 1984 Feb;51(2):375–86
Mechanoafferent neurons innervating tail of Aplysia. II. Modulation by sensitizing stimulation. Walters ET, et al. **J Neurophysiol** 1983 Dec;50(6):1543–59
Mechanoafferent neurons innervating tail of Aplysia. I. Response properties and synaptic connections. Walters ET, et al. **J Neurophysiol** 1983 Dec;50(6):1522–42
Identified Aplysia neurons form specific chemical synapses in culture. Camardo J, et al. **J Neurosci** 1983 Dec;3(12):2614–20
A test of Hebb's postulate at identified synapses which mediate classical conditioning in Aplysia. Carew TJ, et al. **J Neurosci** 1984 May;4(5):1217–24
Calcium entry causes a prolonged refractory period in peptidergic neurons of Aplysia. Kaczmarek LK, et al. **J Neurosci** 1983 Nov;3(11):2230–9
Evidence for FMRF-amide as a neurotransmitter in the gill of Aplysia californica. Weiss S, et al. **J Neurosci** 1984 Aug;4(8):1994–2000
Physostigmine prolongs the elementary event underlying decay of inhibitory postsynaptic currents in Aplysia. White RL, et al. **J Neurosci** 1983 Dec;3(12):2607–13
Ionic mechanism of a hyperpolarizing glutamate effect on two identified neurons in the buccal ganglion of Aplysia. Sawada M, et al. **J Neurosci Res** 1984;11(1):91–103
Kinetics of calcium-dependent inactivation of calcium current in voltage-clamped neurones of Aplysia californica. Chad J, et al. **J Physiol (Lond)** 1984 Feb;347:279–300
Characterization of a chloride conductance activated by hyperpolarization in Aplysia neurones. Chesnoy-Marchais D. **J Physiol (Lond)** 1983 Sep;342:277–308
Inactivation of calcium conductance characterized by tail current measurements in neurones of Aplysia californica. Eckert R, et al. **J Physiol (Lond)** 1983 Dec;345:549–65
Calcium tail currents in voltage-clamped intact nerve cell bodies of Aplysia californica. Eckert R, et al. **J Physiol (Lond)** 1983 Dec;345:533–48
Integration of reflex activity and central pattern generation in intact Aplysia. Pinsker HM. **J Physiol (Paris)** 1982–83;78(8):775–85 (31 ref.)
Two-component desensitization of three types of responses of acetylcholine in Aplysia. Chesnut TJ, et al. **Neurosci Lett** 1983 Sep 9;39(3):285–90
Distribution of serotonin-immunoreactivity in juvenile Aplysia. Goldstein R, et al. **Neuroscience** 1984 Feb;11(2):535–47
Evidence for parallel actions of a molluscan neuropeptide and serotonin in mediating arousal in Aplysia. Lloyd PE, et al. **Proc Natl Acad Sci USA** 1984 May;81(9):2934–7
A cDNA clone encoding neuropeptides isolated from Aplysia neuron L11. Taussig R, et al. **Proc Natl Acad Sci USA** 1984 Aug;81(15):4988–92
A constraint on synaptic action in Aplysia: implications for nervous system organization. Segal MM. **Prog Brain Res** 1983;58:157–63
In situ hybridization to study the origin and fate of identified neurons. McAllister LB, et al. **Science** 1983 Nov 18;222(4625):800–8 (55 ref.)
Neuropeptides: mediators of behavior in Aplysia. Scheller RH, et al. **Science** 1984 Sep 21;225(4668):1300–8

APNEA

CHEMICALLY INDUCED

Scoline apnoea [letter] Galley RL. **Anaesth Intensive Care** 1984 Feb;12(1):87–8
Early respiratory depression with epidural narcotic and intravenous droperidol. Cohen SE, et al. **Anesthesiology** 1983 Dec;59(6):559–60
Dicyclomine: worrying symptoms associated with its use in some small babies. Williams J, et al. **Br Med J [Clin Res]** 1984 Mar 24;288(6421):901
Succinylcholine apnoea: attempted reversal with anticholinesterases. Bevan DR, et al. **Can Anaesth Soc J** 1983 Sep;30(5):536–9
Adverse reactions with diazepam. Lander R, et al. **Drug Intell Clin Pharm** 1983 Sep;17(9):630–1
Child abuse: parenteral hydrocarbon administration. Saulsbury FT, et al. **Pediatrics** 1984 May;73(5):719–22
[Apnea caused by local application of gentamycin chains] Andersen AO, et al. **Ugeskr Laeger** 1984 Feb 27;146(9):662–3 (Eng. Abstr.) **(Dan)**

COMPLICATIONS

Partial seizures with apnea and bradycardia. Coulter DL. **Arch Neurol** 1984 Feb;41(2):173–4
Management of infants with apnea and potential apnea. A survey of pediatric opinion. Lewak N, et al. **Clin Pediatr (Phila)** 1984 Jul;23(7):369–73
Hypoxemia during apnea in normal subjects: mechanisms and impact of lung volume. Findley LJ, et al. **J Appl Physiol** 1983 Dec;55(6):1777–83
Awake apnea associated with gastroesophageal reflux: a specific clinical syndrome. Spitzer AR, et al. **J Pediatr** 1984 Feb;104(2):200–5
Familial agenesis of the corpus callosum with hypothermia and apneic spells. Pineda M, et al. **Neuropediatrics** 1984 May;15(2):63–7
Esophageal spasm associated with apnea and bradycardia in an infant. Fontán JP, et al. **Pediatrics** 1984 Jan;73(1):52–5

DIAGNOSIS

Transnasal fiberoptic endoscopy in children with obstructive apnea. Fan LL. **Crit Care Med** 1984 Jul;12(7):590–2
Apnea monitor-related hypertension [letter] Jenkins B, et al. **J Pediatr** 1984 Aug;105(2):333–4
Apnea monitoring for newborns at risk of sudden infant death syndrome. **JAMA** 1984 Jan 27;251(4):531
Innominate artery compression of the trachea in infancy and childhood: is surgical therapy justified? Welz A, et al. **Thorac Cardiovasc Surg** 1984 Apr;32(2):85–8

DRUG THERAPY

Assessment of cardiovascular effects to theophylline in premature newborns by means of serial echocardiography. Fesslová V, et al. **Acta Paediatr Scand** 1984 May;73(3):404–5
Use of caffeine in neonates [letter] Dandurand KR. **Am J Hosp Pharm** 1984 Aug;41(8):1520–1
Idiopathic apnoea of prematurity treated with doxapram and aminophylline. Sagi E, et al. **Arch Dis Child** 1984 Mar;59(3):281–3
Effects of caffeine in the treatment of apnea [letter] Mullner JW. **Can Med Assoc J** 1984 Apr 15;130(8):972
An evaluation of theophylline for idiopathic apnea of infancy. Finer NN, et al. **Dev Pharmacol Ther** 1984;7(2):73–81
Doxapram in the treatment of idiopathic apnea of prematurity unresponsive to aminophylline. Alpan G, et al. **J Pediatr** 1984 Apr;104(4):634–7
Effect of caffeine on control of breathing in infantile apnea. Aranda JV, et al. **J Pediatr** 1983 Dec;103(6):975–8
T4 levels in methylxanthine-treated premature newborns. Sourgens H, et al. **Pediatr Pharmacol (New York)** 1983;3(3–4):267–72

ETIOLOGY

Respiratory syncytial virus-related apnea in infants. Demographics and outcome. Church NR, et al. **Am J Dis Child** 1984 Mar;138(3):247–50
Life-threatening perioperative apnea in the ex-'premie' [editorial] Gregory GA, et al. **Anesthesiology** 1983 Dec;59(6):495–8
Life-threatening apnea in infants recovering from anesthesia. Liu LM, et al. **Anesthesiology** 1983 Dec;59(6):506–10
Apnea as the sole manifestation of cord compression in achondroplasia. Fremion AS, et al. **J Pediatr** 1984 Mar;104(3):398–401
Apnea and sudden unexpected death in infants with achondroplasia. Pauli RM, et al. **J Pediatr** 1984 Mar;104(3):342–8
Gastroesophageal reflux and apnea [letter] Orenstein SR. **Pediatrics** 1983 Dec;72(6):913–4
[Apnea or convulsions following periods of heart block] Formijne P. **Ned Tijdschr Geneeskd** 1984 Jul 28;128(30):1442–5 **(Dut)**
[Epileptic apneas in the neonatal period] Giroud M, et al. **Arch Fr Pediatr** 1983 Nov;40(9):719–22 (Eng. Abstr.) **(Fre)**

PATHOLOGY

A three-month-old infant with seizures, hypoglycemia, and apnea [clinical conference]. Chesney RW, et al. **Am J Med Genet** 1983 Nov;16(3):373–88

PHYSIOPATHOLOGY

A case of near-miss SIDS developing an abnormal respiratory reaction to hypoxia. Wennergren G, et al. **Acta Paediatr Scand** 1983 Sep;72(5):793–5
Clinical spectrum of neonatal apnoea in very low birthweight infants. Tudehope DI, et al. **Aust Paediatr J** 1984 May;20(2):131–5
Apnea testing to confirm brain death in children. Outwater KM, et al. **Crit Care Med** 1984 Apr;12(4):357–8
Pulmonary C-fibers evoke both apnea and tachypnea of pulmonary chemoreflex. Green JF, et al. **J Appl Physiol** 1984 Aug;57(2):562–7
Apnea duration is related to ventilatory oscillation characteristics in newborn infants. Waggener TB, et al. **J Appl Physiol** 1984 Aug;57(2):536–44
Effect of hypoxia on laryngeal reflex apnea—implications for sudden infant death. Lanier B, et al. **Otolaryngol Head Neck Surg** 1983 Dec;91(6):597–604
Apnea of infancy and subsequent neurologic, cognitive, and behavioral status. Deykin E, et al. **Pediatrics** 1984 May;73(5):638–45
Apnea of prematurity: II. Respiratory reflexes. Gerhardt T, et al. **Pediatrics** 1984 Jul;74(1):63–6
Apnea of prematurity: I. Lung function and regulation of breathing. Gerhardt T, et al. **Pediatrics** 1984 Jul;74(1):58–62

PREVENTION & CONTROL

Apnea in newborn infants: approach to management. Banagale RC, et al. **Resuscitation** 1984 Feb;11(1–2):9–20

THERAPY

Infant apnea. An approach to management. Spitzer AR, et al. **Clin Pediatr (Phila)** 1984 Jul;23(7):374–80
Transcutaneous gas tension monitoring in the management of intraoperative apnea. Hauser CJ, et al. **Crit Care Med** 1983 Oct;11(10):830–1
Complete extracorporeal removal of metabolic carbon dioxide by alkali administration and dialysis in apnea. Chang BS, et al. **Int J Artif Organs** 1983 Nov;6(6):295–8
The St. Paul Infant Apnea Program. An approach to the evaluation and treatment of infantile apnea. Coleman JM, et al. **Minn Med** 1984 Apr;67(4):205–7

VETERINARY

[Respiratory complications during anesthesia in the horse] Schatzmann U. **Berl Munch Tierarztl Wochenschr** 1983 Sep 1;96(9):311–2 (Eng. Abstr.) **(Ger)**

APNEA, CENTRAL see **SLEEP APNEA SYNDROMES**

APNEA, OBSTRUCTIVE see **SLEEP APNEA SYNDROMES**

APNEA, SLEEP see **SLEEP APNEA SYNDROMES**

APOCRINE GLANDS see under **SWEAT GLANDS**

APODEMUS see **MURIDAE**

APOENZYMES see under **APOPROTEINS**

APOFERRITIN see under **FERRITIN**

APOLIPOPROTEINS

see related
LIPOPROTEINS

Comparison of apoprotein B of low density lipoproteins of human interstitial fluid and plasma. Hong JL, et al. **Biochem J** 1984 Aug 15;222(1):49–55
Interaction of model discoidal complexes of phosphatidylcholine and apolipoprotein A-I with plasma components. Physical and chemical properties of the transformed complexes. Nichols AV, et al. **Biochim Biophys Acta** 1984 May 11;793(3):325–37
13C NMR studies of the thermal properties of a model high density lipoprotein. Apolipoprotein A-I–dimyristoylphosphatidylcholine complex. Brainard JR, et al. **J Biol Chem** 1984 Aug 25;259(16):10340–7
Molecular properties of radioiodinated apolipoprotein A-I. Osborne JC Jr, et al. **J Biol Chem** 1984 Jan 10;259(1):347–53
[Apolipoproteins, their clinical significance and possibilities of determination] Choluj B, et al. **Vnitr Lek** 1984 Mar;30(3):257–67 (33 ref.) (Eng. Abstr.) **(Cze)**

ADMINISTRATION & DOSAGE

[Apolipoprotein B of plasma lipoproteins incorporated in liposomes: immunological properties and organ distribution when administered to rabbits] Klimov AN, et al. **Biull Eksp Biol Med** 1983 Oct;96(10):47–50 (Eng. Abstr.) **(Rus)**

ANALYSIS

Distribution of apolipoprotein E isoforms between very low

and high density lipoproteins of normal subjects and hyperlipidemic patients with special reference to type III hyperlipidemia. Holmquist L. **Acta Med Scand** 1984; 215(2):113–20

Apolipoproteins AI and AII in human bile. Ohisalo JJ, et al. **Acta Physiol Scand** 1983 Nov;119(3):303–4

Immunohistochemical localization of apoprotein B in aortas from hyperlipemic swine. Preferential accumulation in lesion–prone areas. Feldman DL, et al. **Arch Pathol Lab Med** 1984 Oct;108(10):817–22

Workshop on apolipoprotein quantification. Lippel K, et al. **Arteriosclerosis** 1983 Sep–Oct;3(5):452–64

Apolipoprotein B localization in coronary atherosclerotic plaques from cynomolgus monkeys. Hoff HF, et al. **Artery** 1983;12(2):104–16

Lipoproteins and apolipoproteins in peripheral lymph of normal and cholesterol–fed dogs. Sloop CH, et al. **Atherosclerosis** 1983 Oct;49(1):9–21

Estimation of lipoprotein and apoprotein distribution in rat plasma by cumulative density ultracentrifugation and sodium dodecyl sulfate–polyacrylamide gel electrophoresis. Høstmark AT, et al. **Biochem Med** 1984 Feb;31(1):54–64

C–reactive protein and apoB containing lipoproteins are associated with Mycobacterium leprae in lesions of human leprosy. Ridley MJ, et al. **Clin Exp Immunol** 1984 Jun; 56(3):545–52

Immunohistochemical localization of the apoproteins of the bile lipoprotein complex in the human intestine. Lafont H, et al. **Digestion** 1983;28(3):164–9

Evidence for a structural relationship between apoB75kDa and human plasma apolipoprotein B 100, from translation of human liver mRNA in vitro and immunochemical studies with monoclonal and polyclonal antibodies. Boström K, et al. **Eur J Biochem** 1984 Aug 15;143(1):101–7

Human apolipoprotein B: partial amino acid sequence. LeBoeuf RC, et al. **FEBS Lett** 1984 May 7;170(1):105–8

Separation of apolipoproteins of human very low density lipoproteins by chromatofocusing. März W, et al. **J Clin Chem Clin Biochem** 1983 Jul;21(7):459–62

Apolipoprotein expression by murine visceral yolk sac endoderm. Shi WK, et al. **J Embryol Exp Morphol** 1984 Jun;81:143–52

Apolipoprotein E phenotyping with a single gel method: application to the study of informative matings. Bouthillier D, et al. **J Lipid Res** 1983 Aug;24(8):1060–9

Direct measurement of apoprotein C–III specific activity in 125I–labeled very low density lipoproteins using immunoaffinity chromatography. Bukberg PR, et al. **J Lipid Res** 1983 Sep;24(9):1251–60

Ultrastructural immunolocalization of apolipoprotein B within human jejunal absorptive cells. Christensen NJ, et al. **J Lipid Res** 1983 Sep;24(9):1229–42

Determination of apoprotein B in the skin. Wulfert E, et al. **Pathol Biol (Paris)** 1984 Jan;32(1):70–2

Improvement of electroimmunoassay for apolipoproteins B and A–I. (Preliminary observations in postprandial phase). Baggio G, et al. **Ric Clin Lab** 1983 Jul–Sep;13(3):321–30

[The role of the structural organization of apoprotein E in cholesterol binding] Klimov AN, et al. **Mol Biol (Mosk)** 1984 Mar–Apr;18(2):404–9 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Effect of dietary cholesterol on apolipoprotein E synthesis in the rabbit. Garcia RE, et al. **Atherosclerosis** 1984 May–Jun;51(2–3):199–210

The effect of lipoproteins on the synthesis of prostacyclin, von Willebrand factor and apolipoproteins A–I and A–II in cultured human endothelial cells. Nordøy A, et al. **Atherosclerosis** 1984 Mar;50(3):307–23

Inhibition of cholesterol synthesis reduces low–density–lipoprotein apoprotein B production without decreasing very–low–density–lipoprotein apoprotein B synthesis in rabbits. La Ville A, et al. **Biochem J** 1984 Apr 1;219(1):321–3

Intrahepatic assembly of very low density lipoproteins. Phosphorylation of small molecular weight apolipoprotein B. Davis RA, et al. **J Biol Chem** 1984 Mar 25;259(6):3383–6

Biosynthesis of human preapolipoprotein A–IV. Gordon JI, et al. **J Biol Chem** 1984 Jan 10;259(1):468–74

Regulation of apolipoprotein A1 synthesis in avian muscles. Shackelford JE, et al. **J Biol Chem** 1983 Dec 25; 258(24):14829–33

Apoprotein E is synthesized and secreted by resident and thioglycollate–elicited macrophages but not by pyran copolymer– or bacillus Calmette–Guerin–activated macrophages. Werb Z, et al. **J Exp Med** 1983 Oct 1; 158(4):1272–93

BLOOD

Serum lipoprotein and apolipoprotein concentrations in patients with hyperthyroidism and the effect of treatment with carbimazole. Boberg J, et al. **Acta Med Scand** 1984; 215(5):453–9

Restriction enzyme analysis of the apolipoprotein A–I gene in fish eye disease and Tangier disease. Rees A, et al. **Acta Med Scand** 1984;215(3):235–7

Serum apolipoproteins and lipoprotein (a) during the first week of life. Strobl W, et al. **Acta Paediatr Scand** 1983 Jul;72(4):505–9

Apolipoprotein A–I and B levels in adolescents; a trial to define subjects at risk for coronary heart disease. Sveger T, et al. **Acta Paediatr Scand** 1983 Jul;72(4):499–504

Apolipoproteins and lipoproteins of human plasma: significance in health and in disease. Kostner GM. **Adv Lipid Res** 1983;20:1–43 (95 ref.)

Black–white differences in plasma levels of apolipoproteins: the Evans County Heart Study. Heiss G, et al. **Am Heart J** 1984 Sep;108(3 Pt 2):807–14

Turnover of very low–density lipoprotein–apoprotein B is increased by substitution of soybean protein for meat and dairy protein in the diets of hypercholesterolemic men. Huff MW, et al. **Am J Clin Nutr** 1984 Jun;39(6):888–97

Effects of a lacto–ovo vegetarian diet on serum concentrations of cholesterol, triglyceride, HDL–C, HDL2–C, HDL3–C, apoprotein–B, and Lp(a). Masarei JR, et al. **Am J Clin Nutr** 1984 Sep;40(3):468–78

Serum lipoprotein lipid and apoprotein (B and A–I) responses to saturated fat–rich diet in cynomolgus monkeys: effects of carbohydrate type and cholesterol. Srinivasan SR, et al. **Am J Clin Nutr** 1984 Sep;40(3):485–95

Effect of protein–reduced diet on plasma lipids, apolipoproteins and lipolytic activities in patients with chronic renal failure. Attman PO, et al. **Am J Nephrol** 1984 Mar–Apr;4(2):92–8

Quantitation of apolipoprotein A–I in pooled human serum by single radial immunodiffusion and sodium dodecyl sulfate–polyacrylamide gel electrophoresis. Sakai Y, et al. **Anal Biochem** 1984 Feb;137(1):1–7

Modifications in apoprotein C composition of very low density lipoproteins in type IV hyperlipoproteinemic subjects after dietetic triglyceridemia reduction. Lambert D, et al. **Ann Biol Clin (Paris)** 1983;41(4):251–4

Changes with aging in serum lipoproteins and apolipoprotein C subclasses. Takeuchi N, et al. **Arch Gerontol Geriatr** 1983 Jul;2(1–2):41–8

Apoproteins B and A–I and coronary artery disease in humans. Brunzell JD, et al. **Arteriosclerosis** 1984 Mar–Apr; 4(2):79–83 (55 ref.)

Effect of weight loss in moderate obesity on plasma lipoprotein and apolipoprotein levels and on high density lipoprotein composition. Zimmerman J, et al. **Arteriosclerosis** 1984 Mar–Apr;4(2):115–23

Changes of apolipoprotein B molecular weight and immunoreactivity in malondialdehyde–modified low density lipoproteins. Bittolo Bon G, et al. **Artery** 1983; 12(2):74–80

Estradiol, testosterone, apolipoproteins, lipoprotein cholesterol, and lipolytic enzymes in men with premature myocardial infarction and angiographically assessed coronary occlusion. Mendoza SG, et al. **Artery** 1983; 12(1):1–23

Alterations in rat serum lipids and apolipoproteins following clofibrate treatment. Dashti N, et al. **Atherosclerosis** 1983 Dec;49(3):255–66

Apoprotein B quantification in rhesus and cynomolgus monkey atherosclerotic lesions. Davis HR, et al. **Atherosclerosis** 1984 Mar;50(3):241–52

The lipoproteins of human umbilical cord blood apolipoprotein and lipid levels. Dolphin PJ, et al. **Atherosclerosis** 1984 Apr;51(1):109–22

Serum apolipoprotein A–I, A–II and B levels and their discriminative values in relatives of patients with coronary artery disease. Kukita H, et al. **Atherosclerosis** 1984 May–Jun;51(2–3):261–7

Plasma lipid and apolipoprotein profiles of women with two types of peripheral arterial disease. McConathy WJ, et al. **Atherosclerosis** 1984 Mar;50(3):295–306

Changes in plasma apo B, apo E, apo A–I, and apo A–IV concentrations in dogs consuming different atherogenic diets. Melchior GW, et al. **Atherosclerosis** 1984 Jul; 52(1):47–57

Plasma lipids and apolipoproteins as discriminators for presence and severity of angiographically defined coronary artery disease. Noma A, et al. **Atherosclerosis** 1983 Oct; 49(1):1–7

Effects of dextro–thyroxine, a preparation almost free of levo–thyroxine, on thyroid function, serum lipids and apolipoprotein A–I in 'double pre–beta lipoproteinemia'. Pagnan A, et al. **Atherosclerosis** 1984 Feb;50(2):191–202

Correlation of the extent of coronary occlusion with Apo B levels. Application of a new enzyme immunoassay technique for Apo B. Vander Heiden GL, et al. **Atherosclerosis** 1984 Jan;50(1):29–33

Serum lipid and apolipoprotein A and B levels in familial hypercholesterolemia. Craig IH, et al. **Aust NZ J Med** 1983 Jun;13(3):241–6

Structural studies of apolipoprotein A–I/phosphatidylcholine recombinants by high–field proton NMR, nondenaturing gradient gel electrophoresis, and electron microscopy. Brouillette CG, et al. **Biochemistry** 1984 Jan 17;23(2):359–67

Interaction of apolipoprotein B from human serum low–density lipoprotein with egg yolk phosphatidylcholine and cholesterol. Dhawan S, et al. **Biochemistry** 1983 Jul 19;22(15):3660–4

Kinetics of bovine milk lipoprotein lipase and the mechanism of enzyme activation by apolipoprotein C–II. Posner I, et al. **Biochemistry** 1983 Aug 16;22(17):4041–7

Apolipoprotein and size heterogeneity in human umbilical cord blood low density lipoproteins. Davis PA, et al. **Biochim Biophys Acta** 1983 Sep 20;753(2):186–94

Isolation, characterization and comparative aspects of the major serum apolipoproteins, B–100 and AI, in the common marmoset, Callithrix jacchus. Forgez P, et al. **Biochim Biophys Acta** 1983 Dec 20;754(3):321–33

Apolipoprotein E Bethesda. Isolation and partial characterization of a variant of human apolipoprotein E isolated from very low density lipoproteins. Ghiselli G, et al. **Biochim Biophys Acta** 1984 Jul 6;794(2):333–9

The helical hydrophobic moments and surface activities of serum apolipoproteins. Krebs KE, et al. **Biochim Biophys Acta** 1983 Nov 29;754(2):227–30

Thermodynamics of lipid–protein association. Enthalphy of association of apolipoprotein A–II with dimyristoylphosphatidylcholine–cholesterol mixtures. Massey JB, et al. **Biochim Biophys Acta** 1984 Jun 6; 794(1):137–41

Automated turbidimetric assay of serum apolipoprotein A1 using the COBAS–BIO centrifugal analyzer. Austin GE, et al. **Clin Biochem** 1983 Dec;16(6):338–40

Reference intervals for serum lipids, lipoproteins, and apoproteins in the elderly. Alvarez C, et al. **Clin Chem** 1984 Mar;30(3):404–6

Complexes of serum gamma–glutamyltransferase with apolipoproteins and immunoglobulin A. Artur Y, et al. **Clin Chem** 1984 May;30(5):631–3

Associations between serum gamma–glutamyltransferase and apolipoproteins: relationships with hepatobiliary diseases. Artur Y, et al. **Clin Chem** 1984 Aug;30(8):1318–21

Use and significance of reference serum as a secondary standard for electroimmunoassay of apolipoprotein A–I. Fesmire JD, et al. **Clin Chem** 1984 May;30(5):712–6

Noncompetitive enzyme–linked immunoassay for apolipoprotein B in serum. Fievet C, et al. **Clin Chem** 1984 Jan;30(1):98–100

Immunonephelometric measurement of apolipoproteins A–I and A–II by consecutive addition of the two antisera to a single specimen [letter] Kuusi T, et al. **Clin Chem** 1984 Jul;30(7):1265–6

Monoclonal antibodies to human plasma low–density lipoproteins. II. Evaluation for use in radioimmunoassay for apolipoprotein B in patients with coronary artery disease. Patton JG, et al. **Clin Chem** 1983 Nov; 29(11):1898–903

Immunonephelometry of apolipoprotein A–II in plasma. Rosseneu M, et al. **Clin Chem** 1984 Feb;30(2):234–7

Apolipoproteins A–I, A–II and B in chronic active hepatitis and in liver cirrhotic patients. Cordova C, et al. **Clin Chim Acta** 1984 Feb 14;137(1):61–6

Examination of a competitive enzyme–linked immunoassay (CELIA) technique and a laser nephelometric immunoassay technique for the measurement of apolipoprotein B. Vander Heiden GL, et al. **Clin Chim Acta** 1983 Dec 15;135(2):209–18

Changes in serum apo–lipoprotein AI and sex–hormone–binding globulin levels after treatment with two different progestins administered alone and in combination with ethinyl estradiol. Crona N, et al. **Contraception** 1984 Mar;29(3):261–70

Functionally inactive apolipoprotein E3 in a type III hyperlipoproteinaemic patient. Havekes LM, et al. **Eur J Clin Invest** 1984 Feb;14(1):7–11

Serum lipids and apolipoproteins A–I, A–II and B in primary hypothyroidism before and during treatment. Muls E, et al. **Eur J Clin Invest** 1984 Feb;14(1):12–5

Alterations in levels of apolipoprotein C–III and C–II/C–III ratios in patients with liver disease. Koga S, et al. **Gastroenterol Jpn** 1984 Feb;19(1):65–71

CAD: maybe cholesterol isn't the culprit. Zoler ML. **Geriatrics** 1984 Sep;39(9):113, 117, 120

Changes in apolipoprotein AI after treatment with high–dose medroxyprogesterone acetate. Crona N, et al. **Gynecol Obstet Invest** 1984;18(1):16–20

Plasma levels of apolipoproteins A–I, A–II and B in alcoholism. Relation to the degree of histological liver damage, and to liver function tests. Malmendier CL, et al. **Hepatogastroenterology** 1983 Dec;30(6):236–9

Plasma lipoprotein and apolipoprotein profile in alcoholic patients with and without liver disease: on the relative roles of alcohol and liver injury. Duhamel G, et al. **Hepatology** 1984 Jul–Aug;4(4):577–85

A serum proteinase converts proapolipoprotein AI secreted by rat hepatocytes to the mature apolipoprotein. Stoffel W, et al. **Hoppe Seylers Z Physiol Chem** 1983 Nov; 364(11):1631–40

Effect of a thymus fraction on the haematic ApoB of rats fed on a diet rich in cholesterol. Mondola P, et al. **Horm Metab Res** 1983 Oct;15(10):518–9

Black–white differences in high density lipoproteins, apolipoproteins, and triglycerides: relationships to coronary heart disease in non–uremic populations and in uremic subjects receiving hemodialysis. First MR, et al. **Int J Artif Organs** 1983 Sep;6(5):233–4

Long–term effect of pindolol on plasma lipids, apoproteins A, blood glucose, and serum insulin levels. Lehtonen A. **Int J Clin Pharmacol Ther Toxicol** 1984 May;22(5):269–72

Apolipoprotein and lipid profiles in young female athletes. Zonderland ML, et al. **Int J Sports Med** 1984 Apr; 5(2):78–82

Analysis of apolipoproteins B100 and B48 by sodium dodecyl sulfate polyacrylamide gradient gel electrophoresis. Aburatani H, et al. **J Biochem (Tokyo)** 1983 Oct; 94(4):1241–5

Analysis of apolipoproteins in high density lipoproteins by high performance liquid chromatography. Kinoshita M, et

al. **J Biochem (Tokyo)** 1984 Apr;95(4):1111–8

Tangier disease. In vitro conversion of proapo–A–ITangier to mature APO–A–ITangier. Bojanovski D, et al. **J Biol Chem** 1984 May 25;259(10):6049–51

Degradation of apolipoprotein B–100 of human plasma low density lipoproteins by tissue and plasma kallikreins. Cardin AD, et al. **J Biol Chem** 1984 Jul 10;259(13):8522–8

Reassembled plasma low density lipoproteins. Phospholipid–cholesterol ester–apoprotein B complexes. Ginsburg GS, et al. **J Biol Chem** 1984 May 25; 259(10):6667–73

Amino acid sequence of human plasma apolipoprotein C–II from normal and hyperlipoproteinemic subjects. Hospattankar AV, et al. **J Biol Chem** 1984 Jan 10; 259(1):318–22

Anti–apoprotein B monoclonal antibodies detect human low density lipoprotein polymorphism. Schumaker VN, et al. **J Biol Chem** 1984 May 25;259(10):6423–30

Rat liver and small intestine produce proapolipoprotein A–I which is slowly processed to apolipoprotein A–I in the circulation. Sliwkowski MB, et al. **J Biol Chem** 1984 May 25;259(10):6459–65

Determination of LDL cholesterol and LDL apolipoprotein B following precipitation of VLDL in blood serum with phosphotungstic acid/MgCl2. Schriewer H, et al. **J Clin Chem Clin Biochem** 1984 Jan;22(1):35–40

Determination of human apolipoproteins A–I, B, and E by laser nephelometry. Weisweiler P, et al. **J Clin Chem Clin Biochem** 1984 Jan;22(1):113–8

Comparative in vitro study of the pro–apolipoprotein A–I to apolipoprotein A–I converting activity between normal and Tangier plasma. Edelstein C, et al. **J Clin Invest** 1984 Sep;74(3):1098–103

Isolation and characterization of apolipoprotein B–48 and B–100 very low density lipoproteins from type III hyperlipoproteinemic subjects. Milne RW, et al. **J Clin Invest** 1984 Mar;73(3):816–23

Lipoproteins containing apoprotein B are a major regulator of neutrophil responses to monosodium urate crystals. Terkeltaub R, et al. **J Clin Invest** 1984 Jun;73(6):1719–30

A novel electrophoretic variant of human apolipoprotein E. Identification and characterization of apolipoprotein E1. Weisgraber KH, et al. **J Clin Invest** 1984 Apr;73(4):1024–33

Distribution and characterization of the serum lipoproteins and apoproteins in the mouse, Mus musculus. Camus MC, et al. **J Lipid Res** 1983 Sep;24(9):1210–28

Evidence for the distribution of apolipoprotein E between lipoprotein classes in human normocholesterolemic plasma and for the origin of unassociated apolipoprotein E (Lp–E). Castro GR, et al. **J Lipid Res** 1984 Jan;25(1):58–67

Effects of high cholesterol diets on rat plasma lipoproteins and lipoprotein–cell interactions. Cole TG, et al. **J Lipid Res** 1984 Jun;25(6):593–603

Distribution of apolipoprotein A–IV between the lipoprotein and the lipoprotein–free fractions of rat plasma: possible role of lecithin:cholesterol acyltransferase. DeLamatre JG, et al. **J Lipid Res** 1983 Dec;24(12):1578–85

Isopropanol precipitation method for the determination of apolipoprotein B specific activity and plasma concentrations during metabolic studies of very low density lipoprotein and low density lipoprotein apolipoprotein B. Egusa G, et al. **J Lipid Res** 1983 Sep;24(9):1261–7

Independent effects of dietary saturated fat and cholesterol on plasma lipids, lipoproteins, and apolipoprotein E. Fisher EA, et al. **J Lipid Res** 1983 Aug;24(8):1039–48

Apolipoprotein E–enriched lipoprotein subclasses in normolipidemic subjects. Gibson JC, et al. **J Lipid Res** 1983 Jul;24(7):886–98

Isolation and characterization of polymorphic forms of porcine apoC–II by chromatofocusing. Knipping G, et al. **J Lipid Res** 1984 Jan;25(1):86–91

Measurement of apolipoprotein A–I concentration in nonhuman primate serum by enzyme–linked immunosorbent assay (ELISA). Koritnik DL, et al. **J Lipid Res** 1983 Dec;24(12):1639–45

Presence of two forms of apolipoprotein B in patients with dyslipoproteinemia. Meng MS, et al. **J Lipid Res** 1983 Jul; 24(7):803–9

Sex–related differences in the concentrations of apolipoprotein E in human blood plasma and plasma lipoproteins. Phillips NR, et al. **J Lipid Res** 1983 Nov; 24(11):1525–31

Comparison of apolipoprotein B to cholesterol in low density lipoproteins of patients with coronary heart disease. Vega GL, et al. **J Lipid Res** 1984 Jun;25(6):580–92

Alterations in plasma lipid, lipoprotein and apolipoprotein concentrations in copper–deficient rats. Lei KY. **J Nutr** 1983 Nov;113(11):2178–83

Effects of feeding cooked ground beef on plasma lipid and apolipoprotein concentrations in male turkeys. Williams JE, et al. **J Nutr** 1983 Nov;113(11):2335–45

Serum lipid and apolipoprotein profiles after onset of acute myocardial infarction. Sasaki J, et al. **Jpn Circ J** 1984 Jun; 48(6):546–51

Lipoproteins, HDL–apolipoproteins, activities of hepatic lipase and lecithin–cholesterol acyltransferase in the plasma of patients with post–alcoholic end–stage liver cirrhosis. Breier C, et al. **Klin Wochenschr** 1983 Sep 15;61(18):929–31

Acute effects of a glucose load on plasma apolipoproteins A–I, A–II, C–II, and C–III in normal and non–insulin–dependent diabetic men. Briones ER, et al. **Mayo Clin Proc** 1984 Jun;59(6):399–403

Analysis of plasma lipids and apolipoproteins in insulin–dependent and noninsulin–dependent diabetics. Briones ER, et al. **Metabolism** 1984 Jan;33(1):42–9

Preliminary report: kinetic studies on the modulation of high–density lipoprotein, apolipoprotein, and subfraction metabolism by sex steroids in a postmenopausal woman. Hazzard WR, et al. **Metabolism** 1984 Sep;33(9):779–84

Receptor binding activity of high–density lipoproteins containing apoprotein E from abetalipoproteinemic and normal neonate plasma. Innerarity TL, et al. **Metabolism** 1984 Feb;33(2):186–95

ApoA–I/ApoA–II ratios in plasmas of vegetarians. Lock DR, et al. **Metabolism** 1983 Dec;32(12):1142–5

A new model of human VLDL metabolism based on simultaneous studies of its APOB and triglyceride. Steiner G, et al. **Metabolism** 1983 Apr;32(4):342–7

The effects of prednisone therapy on plasma lipoproteins and apolipoproteins: a prospective study. Zimmerman J, et al. **Metabolism** 1984 Jun;33(6):521–6

Apolipoprotein A–I in coronary–artery disease [letter] **N Engl J Med** 1984 Jan 12;310(2):123–4

Plasma lipids, lipoproteins and apolipoproteins AI, AII, and B in renal transplanted children: what risk for accelerated atherosclerosis? Goldstein S, et al. **Nephron** 1984; 38(2):87–92

De novo development of hypercholesterolemia and elevated high–density lipoprotein cholesterol: apoprotein A–I ratio in patients with chronic renal failure following kidney transplantation. Kobayashi N, et al. **Nephron** 1983; 35(4):237–40

Apoprotein A and apoprotein B in patients with chronic renal failure undergoing hemodialysis and in renal graft recipients. Rubiés–Prat J, et al. **Nephron** 1983;35(3):171–4

Effect of the compound 'chloridarol' on plasma lipids and apolipoprotein levels. Avogaro P, et al. **Pharmacol Res Commun** 1983 Jul;15(7):655–60

Atherosclerosis and apoproteins B and A–I. Kwiterovich PO Jr, et al. **Prev Med** 1983 Nov;12(6):815–34

Role of apolipoprotein E in the lipolytic conversion of beta–very low density lipoproteins to low density lipoproteins in type III hyperlipoproteinemia. Ehnholm C, et al. **Proc Natl Acad Sci USA** 1984 Sep;81(17):5566–70

Hypocholesterolemia in myeloproliferative diseases with myelofibrosis. Ginsberg H, et al. **Prog Clin Biol Res** 1984; 154:345–57 (18 ref.)

Relationship between plasma fibronectin, serum lipids and apoprotein A and B in healthy male subjects. De Giorgio LA, et al. **Quad Sclavo Diagn** 1983 Mar;19(1):73–7

Effects of fat–supplemented diets on plasma lipoproteins and the apoprotein/lipid ratios in rabbits. Shireman RB, et al. **Res Exp Med (Berl)** 1983;183(2):139–45

Distribution and concentration of apolipoprotein E in high and low density lipoproteins. Avogaro P, et al. **Ric Clin Lab** 1983 Oct–Dec;13(4):431–6

A rapid radioimmunoassay of human apolipoproteins C–II and C–III. Gustafson S, et al. **Scand J Clin Lab Invest** 1984 Jun;44(4):291–7

Inhibition of cholesterol crystal formation by apolipoproteins in supersaturated model bile. Kibe A, et al. **Science** 1984 Aug 3;225(4661):514–6

[Apolipoproteins in the evaluation of familial susceptibility to atherosclerosis] Jirkovská A, et al. **Cas Lek Cesk** 1984 Feb 3;123(5):130–2 (Eng. Abstr.) **(Cze)**

[Serum lipid and apolipoprotein levels in children] Stožický F, et al. **Cesk Pediatr** 1983 Nov;38(11):646–9 (Eng. Abstr.) **(Cze)**

[Determination of apolipoproteins A–I and B using a laser nephelometry method] Choluj B, et al. **Vnitr Lek** 1983 Nov; 29(11):1135–9 (Eng. Abstr.) **(Cze)**

[Plasma lipoproteins and multiple myeloma. Variations of lipid constituents of HDL and apolipoproteins A1 and B] Hachem H, et al. **Ann Biol Clin (Paris)** 1983;41(3):181–5 (Eng. Abstr.) **(Fre)**

[Apolipoproteins: valuable indicators of atherogenicity in patients with coronary disease and normal blood lipids] Mordasini R, et al. **Ann Med Interne (Paris)** 1983; 134(5):479–82 (Eng. Abstr.) **(Fre)**

[Predictive value of plasma apolipoprotein B in myocardial infarction in young subjects. Correlations with coronarographic data] Douste–Blazy P, et al. **Arch Mal Coeur** 1984 Jan;77(1):21–6 (Eng. Abstr.) **(Fre)**

[Will apoproteins dethrone lipids in the study of the etiology of atherosclerosis and other diseases?] Malmendier CL. **Bull Mem Acad R Med Belg** 1983;138(3):215–24 (Eng. Abstr.) **(Fre)**

[Kinetic immunoassay of apolipoprotein B: comparison with other methods] Coquelin H, et al. **J Pharm Belg** 1983 Sep–Oct;38(5):237–40 (Eng. Abstr.) **(Fre)**

[Determination of apoprotein B in dried blood] Schoos R, et al. **Rev Med Liege** 1984 May 15;39(10):474–7 **(Fre)**

[Separation of high density lipoproteins (HDL) using zonal ultracentrifugation in patients with apolipoprotein AI Milano variant] Noseda G, et al. **Schweiz Med Wochenschr** 1983 Dec 17;113(50):1933–5 (Eng. Abstr.) **(Ger)**

[Isolation and immunologic determination of apolipoprotein A–I in human serum] Eichhorn D, et al. **Z Med Lab Diagn** 1983;24(8):438–44 (Eng. Abstr.) **(Ger)**

[Relation between steroids and apoprotein B in maternal and fetal blood in late pregnancy] Schollberg K, et al. **Zentralbl Gynakol** 1984;106(12):845–9 (Eng. Abstr.) **(Ger)**

[Determination of plasma levels of apolipoprotein E and of HDL–cholesterol in gouty patients] Frati E, et al. **Boll Soc Ital Biol Sper** 1984 May 30;60(5):1063–9 (Eng. Abstr.) **(Ita)**

[Effects of vitamin E administration on high–density lipoprotein cholesterol and on hypolipoproteinemia A2] Cordova C, et al. **Clin Ter** 1983 Jul 15;106(1):35–8 (Eng. Abstr.) **(Ita)**

[Environmental factors and serum concentration of lipids and apoproteins A and B in normal subjects] Seghieri G, et al. **G Clin Med** 1984 Jan;65(1):33–40 (Eng. Abstr.) **(Ita)**

[Reference values for the serum concentration of apolipoproteins A and B, the A/B ratio and cholesterol–HDL. Evaluation in a clinically healthy population in Amiata (Grosseto)] Giacalone G, et al. **Quad Sclavo Diagn** 1983 Sep;19(3):377–83 (Eng. Abstr.) **(Ita)**

[Abnormal lipid metabolism in Tangier disease] Yamada N, et al. **Nippon Rinsho** 1983 Aug;41(8):1817–23 **(Jpn)**

[The change in the levels of plasma high density lipoprotein (HDL) cholesterol and apoprotein A–I during acute myocardial infarction] Tsuji M, et al. **Nippon Ronen Igakkai Zasshi** 1983 Nov;20(6):447–53 (Eng. Abstr.) **(Jpn)**

[Analysis of the Apo E–rich HDL in plasma of patients with cholestasis and its clinical significance] Seishima M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Jun;81(6):1405–16 (Eng. Abstr.) **(Jpn)**

[Quantitative determination of serum apolipoprotein A–I and A–II using single radial immunodiffusion plate. Evaluation of determination methods and normal values] Miyatani K, et al. **Rinsho Byori** 1983 Apr;31(4):409–13 **(Jpn)**

[Quantitative determination of serum apolipoproteins A–I and A–II using an immunodiffusion plate—its relation to hepatobiliary diseases] Miyatani K, et al. **Rinsho Byori** 1983 Aug;31(8):891–6 **(Jpn)**

[Measurement of apolipoproteins A–I and A–II] Noma A, et al. **Rinsho Byori** 1983 Jul;31(7):763–7 **(Jpn)**

[Changes in apolipoprotein B concentrations in various types of lipid metabolism disorders] Bobilewicz D, et al. **Pol Tyg Lek** 1983 Sep 5;38(36):1097–100 (Eng. Abstr.) **(Pol)**

[Changes in blood plasma lipid and apolipoprotein content in the course of acute myocardial infarction] Noeva EA, et al. **Kardiologiia** 1983 Oct;23(10):86–91 (Eng. Abstr.) **(Rus)**

DEFICIENCY

C–II anapolipoproteinemia and severe hypertriglyceridemia. Report of a rare case with absence of C–II apolipoprotein isoforms and review of the literature. Saku K, et al. **Am J Med** 1984 Sep;77(3):457–62

Homozygous familial hypercholesterolemia occurring with apoprotein E3 deficiency. Report of two cases. Nestel PJ, et al. **Arteriosclerosis** 1984 Mar–Apr;4(2):124–9

Apolipoprotein C–II deficiency. The role of apolipoprotein C–II in the hydrolysis of triacylglycerol–rich lipoproteins. Haberbosch W, et al. **Biochim Biophys Acta** 1984 Mar 27; 793(1):49–60

Familial apolipoprotein CII deficiency: a preliminary analysis of the gene defect in two independent families. Humphries SE, et al. **Hum Genet** 1984;67(2):151–5

Apolipoprotein C–II deficiency revisited [editorial] Gotto AM Jr. **N Engl J Med** 1984 Jun 21;310(25):1664–5

GENETICS

Human apolipoprotein A–I—C–III gene complex is located on chromosome 11. Bruns GA, et al. **Arteriosclerosis** 1984 Mar–Apr;4(2):97–102

The inheritance of high density lipoprotein cholesterol and apolipoproteins A–I and A–II. Hasstedt SJ, et al. **Atherosclerosis** 1984 Apr;51(1):21–9

A new isoform of apolipoprotein E—apo E–5—associated with hyperlipidemia and atherosclerosis. Yamamura T, et al. **Atherosclerosis** 1984 Feb;50(2):159–72

Synthesis of rat apolipoprotein E by Escherichia coli infected with recombinant bacteriophage. de Jong FA, et al. **Biochem Biophys Res Commun** 1984 Mar 15;119(2):657–62

The localization of the gene for apolipoprotein C–II to chromosome 19. Fojo SS, et al. **Biochem Biophys Res Commun** 1984 Jul 31;122(2):687–93

Isolation and characterisation of a cDNA encoding the precursor for human apolipoprotein AII. Knott TJ, et al. **Biochem Biophys Res Commun** 1984 May 16;120(3):734–40

The human apolipoprotein A–II gene is located on chromosome 1. Lackner KJ, et al. **Biochem Biophys Res Commun** 1984 Aug 16;122(3):877–83

Human apolipoprotein A–I and C–III genes reside in the p11——q13 region of chromosome 11. Law SW, et al. **Biochem Bicphys Res Commun** 1984 Feb 14;118(3):934–42

Human apolipoprotein A–II: nucleotide sequence of a cloned cDNA, and localization of its structural gene on human chromosome 1. Moore MN, et al. **Biochem Biophys Res Commun** 1984 Aug 30;123(1):1–7

Apolipoprotein E polymorphism and hyperlipidemia. Assmann G, et al. **Clin Chem** 1984 May;30(5):641–3

Polymorphism at the apoprotein–E locus in relation to risk of coronary disease. Cumming AM, et al. **Clin Genet** 1984 Apr;25(4):310–3

The isolation of cDNA clones for human apolipoprotein E and the detection of apoE RNA in hepatic and

extra-hepatic tissues. Wallis SC, et al. **EMBO J** 1983; 2(12):2369–73

Cloning and structure analysis of the rat apolipoprotein A-I cDNA. Poncin JE, et al. **Eur J Biochem** 1984 May 2; 140(3):493–8

Serum lipids, lipoproteins and apolipoprotein E phenotypes in relatives of patients with type III hyperlipoproteinaemia. Stuyt PM, et al. **Eur J Clin Invest** 1984 Jun;14(3):219–26

The locus for apolipoprotein E (apoE) is close to the Lutheran (Lu) blood group locus on chromosome 19. Gedde-Dahl T Jr, et al. **Hum Genet** 1984;67(2):178–82

The locus for apolipoprotein CII is closely linked to the apolipoprotein E locus on chromosome 19 in man. Myklebost O, et al. **Hum Genet** 1984;67(3):309–12

Genetic studies of an apoA-I lipoprotein variant. Schamaun O, et al. **Hum Genet** 1983;64(4):380–3

Apolipoprotein E phenotypes and hyperlipidemia. Utermann G, et al. **Hum Genet** 1984;65(3):232–6

Apolipoprotein E phenotypes in patients with myocardial infarction. Utermann G, et al. **Hum Genet** 1984; 65(3):237–41

Biosynthesis of apolipoprotein C-III in rat liver and small intestinal mucosa. Blaufuss MC, et al. **J Biol Chem** 1984 Feb 25;259(4):2452–6

Tissue-specific expression of genes encoding apolipoprotein E and apolipoprotein A-I in rabbits. Chao YS, et al. **J Biol Chem** 1984 Apr 25;259(8):5306–9

In vitro conversion of proapoprotein A-I to apoprotein A-I. Partial characterization of an extracellular enzyme activity. Edelstein C, et al. **J Biol Chem** 1983 Oct 10;258(19):11430–3

Biosynthesis of human preproapolipoprotein A-II. Gordon JI, et al. **J Biol Chem** 1983 Nov 25;258(22):14054–9

Human apolipoprotein E mRNA. cDNA cloning and nucleotide sequencing of a new variant. McLean JW, et al. **J Biol Chem** 1984 May 25;259(10):6498–504

Human apolipoprotein A-I polymorphism. Identification of amino acid substitutions in three electrophoretic variants of the Münster-3 type. Menzel HJ, et al. **J Biol Chem** 1984 Mar 10;259(5):3070–6

The isolation and characterization of cDNA clones for human apolipoprotein CII. Myklebost O, et al. **J Biol Chem** 1984 Apr 10;259(7):4401–4

Abnormal lecithin:cholesterol acyltransferase activation by a human apolipoprotein A-I variant in which a single lysine residue is deleted. Rall SC Jr, et al. **J Biol Chem** 1984 Aug 25;259(16):10063–70

Cloning and regulation of messenger RNA for mouse apolipoprotein E. Reue KL, et al. **J Biol Chem** 1984 Feb 25;259(4):2100–7

Apolipoprotein II messenger RNA. Transcriptional and splicing heterogeneity yields six 5'-untranslated leader sequences. Shelness GS, et al. **J Biol Chem** 1984 Aug 10; 259(15):9929–35

Rat liver and small intestine produce proapolipoprotein A-I which is slowly processed to apolipoprotein A-I in the circulation. Sliwkowski MB, et al. **J Biol Chem** 1984 May 25;259(10):6459–65

Synthesis, intracellular processing, and signal peptide of human apolipoprotein E. Zannis VI, et al. **J Biol Chem** 1984 May 10;259(9):5495–9

Apolipoprotein EBethesda: a new variant of apolipoprotein E associated with type III hyperlipoproteinemia. Gregg RE, et al. **J Clin Endocrinol Metab** 1983 Nov;57(5):969–74

Identification of a new structural variant of human apolipoprotein E, E2(Lys146 leads to Gln), in a type III hyperlipoproteinemic subject with the E3/2 phenotype. Rall SC Jr, et al. **J Clin Invest** 1983 Oct;72(4):1288–97

Murine tissue amyloid protein AA. NH2-terminal sequence identity with only one of two serum amyloid protein (ApoSAA) gene products. Hoffman JS, et al. **J Exp Med** 1984 Feb 1;159(2):641–6

Processing of rat liver apoprotein E primary translation product. Reardon CA, et al. **J Lipid Res** 1984 Apr; 25(4):348–60

Genetic polymorphism of apolipoprotein E: a variant form of apolipoprotein E2 distinguished by sodium dodecyl sulfate—polyacrylamide gel electrophoresis. Utermann G, et al. **J Lipid Res** 1984 Apr;25(4):378–82

A DNA insertion in the apolipoprotein A-I gene of patients with premature atherosclerosis. Karathanasis SK, et al. **Nature** 1983 Oct 27-Nov 2;305(5937):823–5

Characterisation of mRNAs encoding the precursor for human apolipoprotein CI. Knott TJ, et al. **Nucleic Acids Res** 1984 May 11;12(9):3909–15

Human apolipoproteins AI, AII, CII and CIII. cDNA sequences and mRNA abundance. Sharpe CR, et al. **Nucleic Acids Res** 1984 May 11;12(9):3917–32

Rat apolipoprotein A-IV contains 13 tandem repetitions of a 22-amino acid segment with amphipathic helical potential. Boguski MS, et al. **Proc Natl Acad Sci USA** 1984 Aug;81(16):5021–5

Localization of the structural gene for human apolipoprotein A-I on the long arm of human chromosome 11. Cheung P, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(2):508–11

Isolation and sequence of a human apolipoprotein CII cDNA clone and its use to isolate and map to human chromosome 19 the gene for apolipoprotein CII. Jackson CL, et al. **Proc Natl Acad Sci USA** 1984 May;81(10):2945–9

Isolation and characterization of the human apolipoprotein A-I gene. Karathanasis SK, et al. **Proc Natl Acad Sci USA** 1983 Oct;80(20):6147–51

Nucleotide sequence and the encoded amino acids of human apolipoprotein A-I mRNA. Law SW, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(1):66–70

IMMUNOLOGY

Characterization of antigenic determinants of human apolipoprotein B. Distribution on tryptic fragments of low density lipoprotein. Theolis R Jr, et al. **Arteriosclerosis** 1984 Sep-Oct;4(5):498–509

Expression of apolipoprotein B epitopes in very low density lipoprotein subfractions. Studies with monoclonal antibodies. Tikkanen MJ, et al. **Arteriosclerosis** 1984 Mar-Apr;4(2):138–46

Effect of human high density lipoproteins, anti-apolipoproteins CII and CIII, and hydrolysis of very low density lipoprotein (VLDL) cholesterol ester on VLDL catabolism in vitro. Liu BW, et al. **Biochem Biophys Res Commun** 1984 Jun 29;121(3):946–52

Characterization of antigenic determinants on human solubilized apolipoprotein B. Conformational requirements for lipids. Marcel YL, et al. **J Biol Chem** 1984 Jun 10; 259(11):6952–7

Limited proteolysis selectively destroys epitopes on apolipoprotein B in low density lipoproteins. Hahm KS, et al. **J Lipid Res** 1983 Jul;24(7):877–85

Allotypes associated with B apolipoproteins in rabbits. Huang LS, et al. **J Lipid Res** 1983 Nov;24(11):1485–93

The application of an improved solid phase synthetic technique to the delineation of an antigenic site of apolipoprotein A-II. Bhatnagar PK, et al. **Peptides (Fayetteville)** 1983 May-Jun;4(3):343–9

ISOLATION & PURIFICATION

Specific sorbent of apolipoprotein B-containing lipoproteins for plasmapheresis. Characterization and experimental use in hypercholesterolemic rabbits. Yokoyama S, et al. **Arteriosclerosis** 1984 May-Jun;4(3):276–82

Separation of the isoprotein forms of apoprotein A-I of rat, rabbit and human HDL by combined isoelectrofocusing and SDS-polyacrylamide gel electrophoresis. Calandra S, et al. **Atherosclerosis** 1984 Feb;50(2):209–21

Chimpanzee serum lipoproteins. Isolation, characterisation and comparative aspects of the low density lipoprotein and apolipoprotein-BH. Chapman MJ, et al. **Atherosclerosis** 1984 Aug;52(2):129–49

Investigation of the apolipoprotein fraction of isolated rat adrenal and bovine adrenocortical lipid droplets. Tocher DR, et al. **Biochim Biophys Acta** 1983 Nov 29;754(2):159–65

Rapid purification and activity of apolipoprotein C1 on the proliferation of bovine vascular endothelial cells in vitro. Tournier JF, et al. **Biochim Biophys Acta** 1984 Jun 19; 804(2):216–20

Rapid assessment of the distribution of apolipoproteins C-II and C-III subspecies in triglyceride-rich lipoproteins by isoelectric focusing. Bugugnani MJ, et al. **Clin Chem** 1984 Mar;30(3):349–51

Preparation of soluble apolipoproteins A-I, B, and C-II by a chromatofocusing column method, and evaluation of their concentrations in serum in pulmonary disease. Jauhiainen M, et al. **Clin Chem** 1983 Oct;29(10):1731–5

The covalent structure of amyloid-related serum protein SAA from two patients with inflammatory disease. Sletten K, et al. **Hoppe Seylers Z Physiol Chem** 1983 Aug; 364(8):1039–46

Simple method for analysis of apolipoproteins in high density lipoproteins by high performance liquid chromatography. Kinoshita M, et al. **J Biochem (Tokyo)** 1983 Aug; 94(2):615–7

Heterogeneity of human plasma lipoprotein (a). Isolation and characterization of the lipoprotein subspecies and their apoproteins. Fless GM, et al. **J Biol Chem** 1984 Sep 25; 259(18):11470–8

Insect apolipophorin III. Purification and properties. Kawooya JK, et al. **J Biol Chem** 1984 Sep 10; 259(17):10733–7

Isoproteins of human apolipoprotein A-II: isolation and characterization. Schmitz G, et al. **J Lipid Res** 1983 Aug; 24(8):1021–9

Characteristics of human lipoproteins isolated by selected-affinity immunosorption of apolipoprotein A-I. McVicar JP, et al. **Proc Natl Acad Sci USA** 1984 Mar; 81(5):1356–60

[Studies on duck serum lipoproteins. III. Isolation, purification and properties of major apolipoprotein of duck high density lipoprotein] Wang KQ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1983 Apr; 5(2):79–84 (Eng. Abstr.) **(Chi)**

METABOLISM

Coronary myointimal hyperplasia in freshwater Lake Michigan salmon (genus Oncorhynchus). Evidence for lipoprotein-related atherosclerosis. Eaton RP, et al. **Am J Pathol** 1984 Aug;116(2):311–8

Apoprotein C effect on triglyceride transport in tandem-perfused rat hind end and liver. Kortz WJ, et al. **Am J Physiol** 1984 Sep;247(3 Pt 1):G305–10

Morphine, diabetes, and lipid metabolism [letter] Ceriello A, et al. **Arch Intern Med** 1983 May;143(5):1070

Immunohistochemical localization of apolipoprotein B in human atherosclerotic lesions. Yomantas S, et al. **Arch Pathol Lab Med** 1984 May;108(5):374–8

Uptake of apolipoprotein E-containing high density lipoproteins by hepatic parenchymal cells. Funke H, et al. **Arteriosclerosis** 1984 Sep-Oct;4(5):452–61

The conformation of apolipoprotein E isoforms in phospholipid complexes and their interaction with human Hep G2 cells. Cassel DL, et al. **Atherosclerosis** 1984 Aug; 52(2):203–18

Identification of proapoa-I in rat lymph and plasma: metabolic conversion to 'mature' apoA-I. Ghiselli G, et al. **Biochem Biophys Res Commun** 1983 Oct 31; 116(2):704–11

Characterisation of the binding of apolipoprotein E-free high density lipoprotein to cultured human endothelial cells. Havekes L, et al. **Biochem Biophys Res Commun** 1984 Jul 31;122(2):785–90

Activation of fibroblast recognition site in very low density lipoprotein by partial delipidation. Jeng Y, et al. **Biochem Int** 1984 Jul;9(1):115–20

Degradation of serum amyloid A and apolipoproteins by serum proteases. Bausserman LL, et al. **Biochemistry** 1984 May 8;23(10):2241–5

Interaction of apolipoprotein AI from human serum high-density lipoprotein with egg yolk phosphatidylcholine. Reynolds JA. **Biochemistry** 1984 Mar 13;23(6):1124–9

Changes in lipid and apolipoprotein composition of pig lipoproteins facilitated by rabbit lipid transfer protein. Abbey M, et al. **Biochim Biophys Acta** 1984 May 11; 793(3):471–80

Modification of apolipoprotein C-II with 1,2-cyclohexanedione and 2,3-butanedione. Role of arginine in the activation of lipoprotein lipase. Holdsworth G, et al. **Biochim Biophys Acta** 1984 Jul 26;794(3):472–8

Hybrid association between human apolipoproteins A-I and A-II in aqueous solution and in phospholipid recombinants. Swaney JB, et al. **Biochim Biophys Acta** 1984 Feb 9; 792(2):164–71

Retention of apolipoprotein B and cholesterol by perfused heart during lipolysis of very-low-density lipoprotein. Tam SP, et al. **Biochim Biophys Acta** 1984 Mar 27;793(1):61–71

Pig apolipoprotein AI self-association and interaction with L-alpha-dimyristoylphosphatidylcholine as compared with human apolipoprotein AI. Mougin-Schutz A, et al. **Biochimie** 1983 Aug-Sep;65(8–9):485–93

Apoproteins: determinants of lipoprotein metabolism and indices of coronary risk. Thompson G. **Br Heart J** 1984 Jun;51(6):585–8 (34 ref.)

Incorporation of cholesterol into serum high density lipoprotein apoprotein and recombinants. Lundberg B, et al. **Chem Phys Lipids** 1984 Apr;34(4):307–15

Esterase-type of activity possessed by human plasma apolipoprotein C-II and its synthetic fragments. Vainio P, et al. **Chem Phys Lipids** 1983 Jul;33(1):21–32

Retarded chylomicron apolipoprotein-B catabolism in type 2 (non-insulin-dependent) diabetic subjects with lipaemia. Haffner SM, et al. **Diabetologia** 1984 May;26(5):349–54

Lipoproteins from the blood and egg yolk of the hen. The transfer of very-low-density lipoprotein to egg yolk and possible changes to apoprotein B. Burley RW, et al. **Eur J Biochem** 1984 Jul 2;142(1):171–6

In vitro studies on origin and site of action of enzyme activity responsible for conversion of human proapoprotein A-I into apoprotein A-I. Kooistra T, et al. **FEBS Lett** 1984 May 7;170(1):109–13

Lipid binding studies with apo-C protein of hen's egg yolk very low density lipoprotein. Rao DN. **Indian J Biochem Biophys** 1983 Dec;20(6):392–4

Defective hepatic lipoprotein receptor binding of beta-very low density lipoproteins from type III hyperlipoproteinemic patients. Importance of apolipoprotein E. Hui DY, et al. **J Biol Chem** 1984 Jan 25;259(2):860–9

Normalization of receptor binding of apolipoprotein E2. Evidence for modulation of the binding site conformation. Innerarity TL, et al. **J Biol Chem** 1984 Jun 10; 259(11):7261–7

The receptor-binding domain of human apolipoprotein E. Binding of apolipoprotein E fragments. Innerarity TL, et al. **J Biol Chem** 1983 Oct 25;258(20):12341–7

Apolipoprotein, an intermediate in the processing of the major lipoprotein of the Escherichia coli outer membrane. Inukai M, et al. **J Biol Chem** 1984 Jan 25;259(2):757–60

Sequential assembly of very low density lipoprotein apolipoproteins, triacylglycerol, and phosphoglycerides by the intact liver cell. Janero DR, et al. **J Biol Chem** 1983 Dec 10;258(23):14496–504

Discoidal complexes of A and C apolipoproteins with lipids and their reactions with lecithin: cholesterol acyltransferase. Jonas A, et al. **J Biol Chem** 1984 May 25; 259(10):6369–75

Interaction between hepatic microsomal membrane lipids and apolipoprotein A-I. Nuñez JF, et al. **J Biol Chem** 1984 Jul 25;259(14):9141–8

The receptor-binding domain of human apolipoprotein E. Monoclonal antibody inhibition of binding. Weisgraber KH, et al. **J Biol Chem** 1983 Oct 25;258(20):12348–54

Onset of apoprotein E secretion during differentiation of mouse bone marrow-derived mononuclear phagocytes. Werb Z, et al. **J Cell Biol** 1983 Oct;97(4):1113–8

Rabbit and rat C-reactive proteins bind apolipoprotein B-containing lipoproteins. Rowe IF, et al. **J Exp Med** 1984 Feb 1;159(2):604–16

Overproduction of a kinetic subclass of VLDL-apoB, and

direct catabolism of VLDL-apoB in human endogenous hypertriglyceridemia: an analytical model solution of tracer data. Eaton RP, et al. **J Lipid Res** 1983 Oct;24(10):1291-303

The interaction of human apoB-containing lipoproteins with mouse peritoneal macrophages: a comparison of Lp(a) with LDL. Krempler F, et al. **J Lipid Res** 1984 Mar;25(3):283-7

Lipid binding properties of the Tangier apolipoprotein A-I and its isoproteins. Rosseneu M, et al. **J Lipid Res** 1984 Feb;25(2):111-20

Apolipoprotein B accumulation and development of foam cell lesions in coronary arteries of hypercholesterolemic swine. Yamauchi Y, et al. **Lab Invest** 1984 Sep;51(3):325-32

Metabolism of apolipoproteins B-48 and B-100 of triglyceride-rich lipoproteins in normal and lipoprotein lipase-deficient humans. Stalenhoef AF, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(6):1839-43

Future genetic-epidemiological research in coronary heart disease: the decade of the apolipoproteins, dysapolipoproteinemia, and dyslipoproteinemia. Glueck CJ. **Prog Clin Biol Res** 1984;147:525-32 (28 ref.)

Binding of apolipoprotein E-rich remnant lipoproteins to human liver membranes. Florén CH. **Scand J Gastroenterol** 1984 Jun;19(4):473-9

[Lipoproteins rich in apoprotein B and Stuart factor: demonstration of molecular interactions] Duthilleul P, et al. **Ann Pharm Fr** 1983;41(1):31-6 (Eng. Abstr.) **(Fre)**

[Immunofluorescent study on the localization of apolipoproteins A and B in psoriatic skin] Imamura T. **Nippon Hifuka Gakkai Zasshi** 1983 Nov;93(12):1337-46 **(Jpn)**

PHARMACODYNAMICS

Effect of apolipoproteins E and C-III on the interaction of chylomicrons with parenchymal and non-parenchymal cells from rat liver. Van Berkel TJ, et al. **Biochem J** 1983 Oct 15;216(1):71-80

Lipoprotein lipase-catalyzed hydrolysis of dimyristoylphosphatidylcholine. Effect of lipid organization and apolipoprotein C-II on enzyme activity. Shinomiya M, et al. **Biochim Biophys Acta** 1984 Jul 6; 794(2):177-82

Effect of apolipoprotein C-II on the temperature dependence of lipoprotein lipase-catalyzed hydrolysis of phosphatidylcholines. A hydrophobic model for the mechanism. Shinomiya M, et al. **J Biol Chem** 1984 Jul 25; 259(14):8724-8

Chain length dependence of phosphatidylcholine hydrolysis catalyzed by lipoprotein lipase. Effect of apolipoprotein C-II. Shinomiya M, et al. **J Biol Chem** 1983 Dec 10; 258(23):14178-80

PHYSIOLOGY

Control of lipopolysaccharide-high density lipoprotein binding by acute phase protein(s). Tobias PS, et al. **J Immunol** 1983 Oct;131(4):1913-6

Effect of beta 2-glycoprotein I on the activity of adenylate cyclase in platelet membranes. Schousboe I. **Thromb Res** 1983 Nov 1;32(3):291-9

[Apolipoproteins. Structure, function and pathological changes] Luc G, et al. **Ann Med Interne (Paris)** 1983; 134(8):695-701 (53 ref.) (Eng. Abstr.) **(Fre)**

SECRETION

Synthesis and secretion of apolipoproteins by pig intestinal mucosa in organ culture. Lack of inhibition of apolipoprotein A-I secretion by colchicine. Mougin-Schutz A, et al. **Biochim Biophys Acta** 1983 Nov 29;754(2):208-17

Modulation of apoprotein E secretion in response to receptor-mediated endocytosis in resident and inflammatory macrophages. Takemura R, et al. **J Exp Med** 1984 Jan 1;159(1):167-78

APOMORPHINE

ADMINISTRATION & DOSAGE

Low-dose apomorphine and bromocriptine in neuroleptic-induced movement disorders. Jeste DV, et al. **Biol Psychiatry** 1983 Sep;18(9):1085-91

Effect of continuous systemic infusion of D-amphetamine on the sensitivity of nigral dopamine cells to apomorphine inhibition of firing rates. Ellinwood EH Jr, et al. **Brain Res** 1983 Aug 29;273(2):379-83

A caerulein-sensitive potentiation of the behavioral effects of apomorphine by dibutyryl-cAMP. Ellinwood EH Jr, et al. **Pharmacol Biochem Behav** 1983 Dec;19(6):969-71

On the mechanism by which methylxanthines enhance apomorphine-induced rotation behaviour in the rat. Fredholm BB, et al. **Pharmacol Biochem Behav** 1983 Sep; 19(3):535-41

ANALOGS & DERIVATIVES

Cholecystokinin peptides in vitro modulate the characteristics of the striatal 3H-N-propylnorapomorphine sites. Agnati LF, et al. **Acta Physiol Scand** 1983 May;118(1):79-81

Neurotensin in vitro markedly reduces the affinity in subcortical limbic 3H-N-propylnorapomorphine binding sites. Agnati LF, et al. **Acta Physiol Scand** 1983 Dec; 119(4):459-61

Increase in serum corticosterone concentration and decrease in hypothalamic epinephrine concentration by N-propylnorapomorphine in rats. Fuller RW, et al. **Biochem Pharmacol** 1984 Apr 15;33(8):1372-4

Turnover of specific [3H]spiperone and [3H]N,n-propylnorapomorphine binding sites in rat striatum following phenoxybenzamine administration. Hall MD, et al. **Biochem Pharmacol** 1983 Oct 1;32(19):2973-7

Subcortical limbic 3H-N-propylnorapomorphine binding sites are markedly modulated by cholecystokinin-8 in vitro. Agnati LF, et al. **Biosci Rep** 1983 Dec;3(12):1101-5

Differential anatomical location of [3H]-N,n-propylnorapomorphine and [3H]-spiperone binding sites in the striatum and substantia nigra of the rat. Hall MD, et al. **Br J Pharmacol** 1983 Jun;79(2):599-610

Localization of [3H]N-propylnorapomorphine binding in mouse striatum. Severson JA, et al. **Brain Res** 1983 Nov 21;279(1-2):295-8

l-Glutamate reduces the affinity of [3H]N-propylnorapomorphine binding sites in striatal membranes. Fuxe K, et al. **Eur J Pharmacol** 1984 Apr 13; 100(1):127-30

Inhibition of dihydropteridine reductase from human liver and rat striatal synaptosomes by apomorphine and its analogs. Shen RS, et al. **J Biol Chem** 1984 Jul 25; 259(14):8994-9000

Autoradiographic localization of dopamine receptors in the spinal cord of the rat using [3H]-N-propylnorapomorphine. Scatton B, et al. **J Neural Transm** 1984;59(3):251-6

Long-term consequences of antagonism by neuroleptics of behavioural events occurring during mesolimbic dopamine infusion. Costall B, et al. **Neuropharmacology** 1984 Mar; 23(3):287-94

Chronic dihydroergotoxine treatment affects the number of dopamine recognition sites in rat striatum. Battaini F, et al. **Pharmacol Res Commun** 1984 Jun;16(6):605-11

ANTAGONISTS & INHIBITORS

Modification by sulpiride, pimozide, or domperidone of apomorphine's effects on learning in hypoxic rats. Saligaut C, et al. **Aviat Space Environ Med** 1983 Aug;54(8):725-9

Lithium attenuates the development of lesion-induced behavioral supersensitivity to apomorphine. Gruenthal M. **Brain Res** 1984 Jul 23;306(1-2):189-96

Zetidoline blocks the action of apomorphine on neurons in the rat substantia nigra. Harris N, et al. **J Pharm Pharmacol** 1983 Sep;35(9):599-600

Pharmacological studies on the antagonism by antidepressants of the hypothermia induced by apomorphine. Menon MK, et al. **Neuropharmacology** 1984 Feb;23(2A):121-7

Effects of ascorbate on a dopaminergic response: apomorphine-induced modification of pentylenetetrazol-induced seizures in mice. Wilcox RE, et al. **Psychopharmacology (Berlin)** 1984;83(1):48-50

DIAGNOSTIC USE

Growth hormone responses to graded doses of apomorphine HCl in schizophrenia. Cleghorn JM, et al. **Biol Psychiatry** 1983 Aug;18(8):875-85

The prolactin response in schizophrenic, schizophreniform, and manic disorders. Hitzemann R, et al. **Biol Psychiatry** 1984 Jun;19(6):913-8

On the relation between platelet monoamine oxidase activity and the growth hormone response in psychosis. Hitzemann R, et al. **Biol Psychiatry** 1983 Dec;18(12):1503-7

Chronic stress enhances apomorphine-induced stereotyped behavior in mice: involvement of endogenous opioids. Cabib S, et al. **Brain Res** 1984 Apr 23;298(1):138-40

Cholinergic receptor control mechanisms for L-dopa, apomorphine, and clonidine-induced growth hormone secretion in man. Delitala G, et al. **J Clin Endocrinol Metab** 1983 Dec;57(6):1145-9

Longitudinal instability of hormone responses in schizophrenia. Cleghorn JM, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1983; 7(4-6):545-9

METABOLISM

The effect of melanotropin release inhibiting factor, its metabolites and analogs on [3H]spiroperidol and [3H]apomorphine binding sites. Bhargava HN. **Gen Pharmacol** 1983;14(6):609-14

PHARMACODYNAMICS

Growth hormone and prolactin response to apomorphine in schizophrenia and the major affective disorders. Relation to duration of illness and depressive symptoms. Meltzer HY, et al. **Arch Gen Psychiatry** 1984 May;41(5):512-9

Effect of apomorphine on retention of a brightness discrimination in dopamine supersensitive rats. Honza R, et al. **Behav Neural Biol** 1984 May;41(1):23-9

Taste familiarity and apomorphine-induced taste aversions in humans. Cannon DS, et al. **Behav Res Ther** 1983; 21(6):669-73

Changes in apomorphine-induced stereotypy as a result of subacute neuroleptic treatment correlates with increased D-2 receptors, but not with increases in D-1 receptors. Fleminger S, et al. **Biochem Pharmacol** 1983 Oct 1; 32(19):2921-7

Reduction of morphine's effect on striatal dopamine metabolism in rats treated with a low dose of apomorphine or agents increasing serotonin transmission. Spampinato U, et al. **Biochem Pharmacol** 1984 Jan 1;33(1):163-5

Various dose-dependent influences of apomorphine on the acetylcholine turnover in striatum and mesolimbic areas of rat brain. Langnickel R, et al. **Biomed Biochim Acta** 1983;42(7-8):937-46

A comparison of the growth hormone responses to clonidine and apomorphine in the same patients with endogenous depression. Corn TH, et al. **Br J Psychiatry** 1984 Jun; 144:636-9

Effects of an intrathecal dopamine agonist, apomorphine, on thermal and chemical evoked noxious responses in rats. Jensen TS, et al. **Brain Res** 1984 Apr 2;296(2):285-93

Genetic control of apomorphine-induced climbing behavior in two inbred mouse strains. Kendler KS, et al. **Brain Res** 1984 Feb 20;293(2):343-51

Effects of apomorphine on self-stimulation responding: does the drug mimic the current? Leith NJ. **Brain Res** 1983 Oct 24;277(1):129-36

Electrolytic lesions of the substantia innominata and lateral preoptic area attenuate the 'supersensitive' locomotor response to apomorphine resulting from denervation of the nucleus accumbens. Swerdlow NR, et al. **Brain Res** 1984 Jul 23;306(1-2):141-8

Age-related decrease in apomorphine modulation of acetylcholine release from rat striatal slices. Thompson JM, et al. **Brain Res** 1984 May 7;299(1):169-73

Single unit responses of substantia nigra pars reticulata neurons to apomorphine: effects of striatal lesions and anesthesia. Waszczak BL, et al. **Brain Res** 1984 Jul 23; 306(1-2):307-18

Effects of housing conditions on three behavioral tests in rats. Xavier GF, et al. **Braz J Med Biol Res** 1983 Apr; 16(1):65-71

Neurotransmitter interaction in regulation of adrenocortical ornithine decarboxylase. Almazan G, et al. **Eur J Pharmacol** 1983 Sep 2;92(3-4):249-57

The role of the median raphe nucleus in sulpiride-induced potentiation of apomorphine hypermotility. Fink H, et al. **Eur J Pharmacol** 1984 Mar 16;99(1):123-4

The effect of fasting on the stereotyped behaviour induced by amphetamine and by apomorphine in the albino rat. Fuenmayor LD, et al. **Eur J Pharmacol** 1984 Mar 23; 99(2-3):153-8

Evidence that apomorphine and pergolide induce rotation in rats by different actions on D1 and D2 receptor sites. Herrera-Marschitz M, et al. **Eur J Pharmacol** 1984 Feb 17;98(2):165-76

Cholecystokinin-like peptides potentiate apomorphine-induced inhibition of dopamine neurons. Hommer DW, et al. **Eur J Pharmacol** 1983 Jul 15; 91(1):151-2

Estrogen treatment increases the oral component of apomorphine-induced stereotypy. Johnson NJ, et al. **Eur J Pharmacol** 1984 Apr 20;100(2):181-8

Similarities of the effects of apomorphine and 3-PPP on serotonin neurons. Lee EH, et al. **Eur J Pharmacol** 1983 Oct 28;94(3-4):297-303

Vascular effects of apomorphine and related compounds in the perfused rat kidney. Schmidt M, et al. **Eur J Pharmacol** 1984 Jan 13;97(1-2):75-85

Assessment of dopamine autoreceptor agonist properties of apomorphine, (+)-3-PPP and (-)-3-PPP by recording of yawning behaviour in rats. Ståhle L, et al. **Eur J Pharmacol** 1984 Feb 17;98(2):307-10

Apomorphine separates the antinociceptive effects of cholecystokinin octapeptide and ceruletide from those of morphine. Zetler G. **Eur J Pharmacol** 1983 Aug 19; 92(1-2):151-4

Effects of apomorphine on the in vivo release of dopamine and its metabolites, studied by brain dialysis. Zetterström T, et al. **Eur J Pharmacol** 1984 Jan 13;97(1-2):29-36

Neuroendocrine control of adrenocortical ornithine decarboxylase activity. Almazan G, et al. **Exp Brain Res** 1983;50(2-3):321-8

Studies on the inhibitory effect of apomorphine and bromocryptine on basal and TRH induced level of TSH and PRL in hypothyroid rats under pentobarbiturate anesthesia. Langer P, et al. **Exp Clin Endocrinol** 1984 May; 83(3):269-74

Effects of dopamine and apomorphine on gonadotropin release from the transplanted pars distalis in goldfish. Chang JP, et al. **Gen Comp Endocrinol** 1984 Sep; 55(3):347-50

Effects of apomorphine administration on locomotor activity of control and experimental rats withdrawn from long-term haloperidol treatment. Bernardi MM, et al. **Gen Pharmacol** 1983;14(5):545-7

Influence of levodopa, apomorphine and 3,4-dihydroxyphenylserine (DOPS) on strychnine-induced seizures in mice. Wambebe C, et al. **Gen Pharmacol** 1984; 15(3):243-5

Inhibition of dihydropteridine reductase from human liver and rat striatal synaptosomes by apomorphine and its analogs. Shen RS, et al. **J Biol Chem** 1984 Jul 25; 259(14):8994-9000

Action of apomorphine, bromocriptine and lergotrile on gamma-aminobutyric acid and acetylcholine release in nucleus accumbens and corpus striatum. de Belleroche J, et al. **J Neural Transm** 1983;58(3-4):153-68

Effects of dopaminergic drugs on cerebellar prostaglandin concentrations. Millia C, et al. **J Neurochem** 1983 Oct; 41(4):1190–1

Effects of diazepam, meprobamate, chlorpromazine and apomorphine on a quickly learned conditioned suppression in mice. Nagasaka M, et al. **J Pharmacobiodyn** 1983 Aug; 6(8):523–6

Selective activation by LY–141865 and apomorphine of presynaptic dopamine receptors in the rat kidney and influence of stimulation parameters in the action of dopamine. Lokhandwala MF, et al. **J Pharmacol Exp Ther** 1984 Jan;228(1):161–7

Dopaminergic and serotonergic mechanisms of thermoregulation: mediation of thermal effects of apomorphine and dopamine. Yamawaki S, et al. **J Pharmacol Exp Ther** 1983 Nov;227(2):383–8

Responses of pulmonary vasculature of cattle to dopamine and apomorphine. Bakunzi FR, et al. **J Vet Pharmacol Ther** 1983 Sep;6(3):211–7

Neuroleptic-induced dopamine hyposensitivity. Goetz CG, et al. **Life Sci** 1984 Apr 9;34(15):1475–9

Pharmacological characterization of apomorphine-induced hypothermia in the spontaneously hypertensive rat. Martin JR, et al. **Life Sci** 1984 Aug 27;35(9):929–36

Uniquely, gamma-endorphin induces an effect that is both opiate- and neuroleptic-like. van Ree JM, et al. **Life Sci** 1983;33 Suppl 1:619–22

Aporphine enantiomers. Interactions with D-1 and D-2 dopamine receptors. Goldman ME, et al. **Mol Pharmacol** 1984 Jan;25(1):18–23

The role of central dopaminergic processes in chemical carcinogenesis. Gurkalo VK, et al. **Neoplasma** 1984; 31(2):183–90

CCK-33 antagonizes apomorphine-induced growth hormone secretion and increases basal prolactin levels in man. Nair NP, et al. **Neuropeptides** 1984 Jun;4(4):281–91

Neuropeptides related to neurohypophyseal hormones interfere with apomorphine-induced behavioral changes. Xiao XS, et al. **Neuropeptides** 1984 May;4(3):237–45

Effect of age on behavioral responses and tissue levels of apomorphine in the rat. Campbell A, et al. **Neuropharmacology** 1984 Jul;23(7A):725–30

The influence of early postnatal treatment with haloperidol on the effects induced by small and large doses of apomorphine on locomotion of adult rats. Cuomo V, et al. **Neuropharmacology** 1983 Sep;22(9):1137–9

Effects of apomorphine and methamphetamine on a quickly-learned conditioned-suppression response in rats. Kameyama T, et al. **Neuropharmacology** 1983 Jul; 22(7):813–7

Effects of cholecystokinin on apomorphine-induced changes of motility in rats. Katsuura G, et al. **Neuropharmacology** 1984 Jul;23(7A):731–4

Drugs and the frog retina. Effect of dopaminergic agents on the pigment screening of light- and dark-adapted frogs. Kemali M, et al. **Neuropharmacology** 1984 Mar;23(3):381–5

Effects of apomorphine, TL-99 and 3-PPP on yawning in rats. Mogilnicka E, et al. **Neuropharmacology** 1984 Jan; 23(1):19–22

Pharmacological evidence against the involvement of the D1 subtype of dopamine receptors in apomorphine-induced hypothermia. Colboc O, et al. **Neurosci Lett** 1983 Aug 29; 39(2):211–6

Indirect effects of apomorphine on serotoninergic neurons in rats. Lee EH, et al. **Neuroscience** 1984 Feb;11(2):437–42

Release of VIP-like immunoreactivity in response to dopamine agonists, insulin hypoglycemia and feeding in conscious dogs. Uvnäs-Moberg K, et al. **Peptides (Fayetteville)** 1984 Mar–Apr;5(2):399–402

Automated analysis of stereotypic behavior induced by psychomotor stimulants. Brann MR, et al. **Pharmacol Biochem Behav** 1983 Jul;19(1):57–62

The effect of apomorphine on the open-field behavior of rats: alone and in pairs. Chow HL, et al. **Pharmacol Biochem Behav** 1984 Jul;21(1):85–8

Subcutaneous injections of apomorphine, stimulus generalization and conditioning: serious pitfalls for the examiner using apomorphine as a tool. Cools AR, et al. **Pharmacol Biochem Behav** 1977 Jun;6(6):705–8

Apomorphine effects on behavioral response to ethanol in mice selectively bred for differential sensitivity to ethanol. Dudek BC, et al. **Pharmacol Biochem Behav** 1984 Jan; 20(1):91–4

Clozapine—a serotonin antagonist? Fink H, et al. **Pharmacol Biochem Behav** 1984 Apr;20(4):513–7

Hypophysectomy-induced striatal hypersensitivity and mesolimbic hyposensitivity to apomorphine. Gordon JH. **Pharmacol Biochem Behav** 1983 Nov;19(5):807–11

Spontaneous and apomorphine-induced locomotor changes parallel dopamine receptor differences in two rat strains. Helmeste DM. **Pharmacol Biochem Behav** 1983 Jul; 19(1):153–5

Estradiol application to one striatum produces postural deviation to systemic apomorphine. Joyce JN, et al. **Pharmacol Biochem Behav** 1984 Apr;20(4):575–81

Effects of amphetamine and apomorphine on locomotor activity after 6-OHDA and electrolytic lesions of the nucleus accumbens septi. Kelly PH, et al. **Pharmacol Biochem Behav** 1983 Jul;19(1):137–43

Behavioral effects of d-amphetamine and apomorphine in the hamster. Peterson ME, et al. **Pharmacol Biochem Behav** 1984 Jun;20(6):855–8

Pharmacologically specific pretreatment effects on apomorphine-mediated conditioned taste aversions in rats. Pratt JA, et al. **Pharmacol Biochem Behav** 1984 Apr; 20(4):507–11

Potentiation of apomorphine-induced stereotypies by naloxone and L-prolyl-L-leucyl-glycinamide. Quock RM, et al. **Pharmacol Biochem Behav** 1983 Jul;19(1):49–52

Comparison of behavioral effects of cathinone, amphetamine and apomorphine. Schechter MD, et al. **Pharmacol Biochem Behav** 1984 Feb;20(2):181–4

Drug sensitivity of individual rats determines degree of drug discrimination. Schechter MD. **Pharmacol Biochem Behav** 1983 Jul;19(1):1–4

Evidence for dopamine mediation of submissive gestures in the stumptail macaque monkey. Schlemmer RF Jr, et al. **Pharmacol Biochem Behav** 1981;14 Suppl 1:95–102

Hypophysectomy prevents yawning and penile erection but not hypomotility induced by apomorphine. Serra G, et al. **Pharmacol Biochem Behav** 1983 Dec;19(16):917–9

Facilitation by alpha-adrenolytics of apomorphine gnawing behavior: depression of threshold apomorphine concentration in the striatum of the rat. Wiszniowska-Szafraniec G, et al. **Pharmacol Biochem Behav** 1983 Jul;19(1):19–21

Dissociation of stimulation-bound feeding and apomorphine-induced gnawing by lesions of superior colliculus. Dean P, et al. **Physiol Behav** 1984 Mar; 32(3):417–22

Effect of naloxone on apomorphine-induced changes in locomotor activity of stress-exposed rats. Eroğlu L, et al. **Pol J Pharmacol Pharm** 1984 Jan–Feb;36(1):1–6

Effects of naloxone on methamphetamine and apomorphine stereotypy and on haloperidol catalepsy in rats. Balsara JJ, et al. **Psychopharmacology (Berlin)** 1984;82(3):237–40

Differences in the stereotypy response but not the hypomotility response to apomorphine in the Roman High and Low avoiding strains of rats. Durcan MJ, et al. **Psychopharmacology (Berlin)** 1984;82(3):215–20

Methylphenidate, apomorphine, THIP, and diazepam in monkeys: dopamine-GABA behavior related to psychoses and tardive dyskinesia. Gerlach J, et al. **Psychopharmacology (Berlin)** 1984;82(1–2):131–4

Apomorphine-induced hypothermia affected by acute treatment with apomorphine, haloperidol, or ethanol. Lai H, et al. **Psychopharmacology (Berlin)** 1984;82(4):335–7

Impairment of responses to novelty by apomorphine and its antagonism by neuroleptics in mice. Misslin R, et al. **Psychopharmacology (Berlin)** 1984;82(1–2):113–7

Time course of rat motility response to apomorphine: a simple model for studying preferential blockade of brain dopamine receptors mediating sedation. Montanaro N, et al. **Psychopharmacology (Berlin)** 1983;81(3):214–9

Response changes after repeated low apomorphine: dopamine autoreceptor desensitization or learning? Nickolson VJ, et al. **Psychopharmacology (Berlin)** 1984;83(2):188–93

Pharmacological characterization of the receptors involved in the apomorphine-induced polyphasic modifications of locomotor activity in mice. Protais P, et al. **Psychopharmacology (Berlin)** 1983;81(2):126–34

Differential effects of apomorphine in 6-hydroxydopamine-treated and aged rats. Schechter MD, et al. **Psychopharmacology (Berlin)** 1984;83(1):99–103

Strain differences to the effects of apomorphine on Sidman avoidance response and motor activity in the Wistar and F344/DuCrj (Fischer) rats. Kuribara H. **Yakubutsu Seishin Kodo** 1983 May;3(1):29–35

[Dopaminergic receptors of the bladder. Study of bladder pharmacologic behavior] Idoipe Tomás C, et al. **Arch Farmacol Toxicol** 1983 Dec;9(3):233–42 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

Apomorphine and schizophrenia. Treatment, CSF, and neuroendocrine responses. Levy MI, et al. **Arch Gen Psychiatry** 1984 May;41(5):520–4

Clinical effects of apomorphine in schizophrenia. Ferrier IN, et al. **Br J Psychiatry** 1984 Apr;144:341–8

Hormonal effects of apomorphine in schizophrenia. Ferrier IN, et al. **Br J Psychiatry** 1984 Apr;144:349–57

Apomorphine and schizophrenia. Johns CA, et al. **Psychopharmacol Bull** 1984 Winter;20(1):103–7

[Features of the effects of apomorphine on rats of different sexes preferring ethyl alcohol] Andronova LM, et al. **Zh Nevropatol Psikhiatr** 1983;83(8):1231–5 (Eng. Abstr.) **(Rus)**

TOXICITY

Genotoxicity of apomorphine and various catecholamines in the Salmonella mutagenicity test (Ames test) and in tests for primary DNA damage using DNA repair-deficient B. subtilis strains (rec assay). Suter W, et al. **Mutat Res** 1984 Jul;137(1):17–28

APOPLEXY see **CEREBROVASCULAR DISORDERS**

APOPROTEINS

Fluorescence studies of internal rotation in apohemoglobin alpha-chains. Oton J, et al. **Arch Biochem Biophys** 1984 Feb 1;228(2):519–24

Reduction of lactoperoxidase-H2O2 compounds by ferrocyanide: indirect evidence of an apoprotein site for one of the two oxidizing equivalents. Courtin F, et al. **Biochem Biophys Res Commun** 1984 Jun 15;121(2):463–70

Removal of copper from Octopus vulgaris haemocyanin. Preparation of the half-apo and apo derivatives. Beltramini M, et al. **Biochem J** 1984 Aug 1;221(3):911–4

Copper(I) transfer into apo-stellacyanin using copper(I)-thiourea as a copper-thionein model. Morpurgo L, et al. **Biochem J** 1984 Aug 1;221(3):923–5

Diamagnetism of human apo-, oxy-, and (carbonmonoxy)hemoglobin. Philo JS, et al. **Biochemistry** 1984 Feb 28;23(5):865–72

Thermodynamics of thermal unfolding of bovine apo-alpha-lactalbumin. Hiraoka Y, et al. **Int J Pept Protein Res** 1984 May;23(5):535–42

The crystal structure of poplar apoplastocyanin at 1.8-A resolution. The geometry of the copper-binding site is created by the polypeptide. Garrett TP, et al. **J Biol Chem** 1984 Mar 10;259(5):2822–5

An improved purification procedure and apoprotein preparation for the flavodoxin from Azotobacter vinelandii. Carlson R, et al. **Prep Biochem** 1983;13(5):489–505

[Interaction of peptides with cholesterol] Klimov AN, et al. **Vopr Med Khim** 1984 May–Jun;30(3):86–90 (Eng. Abstr.) **(Rus)**

ANALYSIS

Deficient lung surfactant apoproteins in amniotic fluid with mature phospholipid profile from diabetic pregnancies. Katyal SL, et al. **Am J Obstet Gynecol** 1984 Jan 1; 148(1):48–53

Analysis of pulmonary surfactant apoproteins by isoelectric focusing. Katyal SL, et al. **Biochim Biophys Acta** 1984 Jul 26;794(3):411–8

Nuclear-magnetic-resonance investigation of 15N-labeled flavins, free and bound to Megasphaera elsdenii apoflavodoxin. Franken HD, et al. **Eur J Biochem** 1984 Feb 1;138(3):481–9

Ratio of active to inactive forms of acyl carrier protein in Escherichia coli. Jackowski S, et al. **J Biol Chem** 1983 Dec 25;258(24):15186–91

ANTAGONISTS & INHIBITORS

Inhibition of pig kidney dopa decarboxylase by coenzyme-5-hydroxytryptophan adducts. Dominici P, et al. **Experientia** 1984 Aug 15;40(8):834–5

BLOOD

Physiologic and supraphysiologic increases in lipoprotein lipids and apoproteins in late pregnancy and postpartum. Possible markers for the diagnosis of 'prelipemia'. Montes A, et al. **Arterioscler Biol** 1984 Jul–Aug;4(4):407–17

Selective binding behavior of zinc(II) and copper(II) ions to their native sites of apo-bovine superoxide dismutase. Hirose J, et al. **Biochem Int** 1984 Mar;8(3):401–8

Effects of plasma infusion on plasma lipids, apoproteins and plasma enzyme activities in familial lecithin: cholesterol acyltransferase deficiency. Murayama N, et al. **Eur J Clin Invest** 1984 Apr;14(2):122–9

[Lipids, apoproteins and glucose metabolism in men with ischemic disease of the lower extremities] Vondra K, et al. **Vnitr Lek** 1984 Apr;30(4):356–62 (Eng. Abstr.) **(Cze)**

[Lipid and apoprotein profile without and with oil load] Herrmann W, et al. **Z Gesamte Inn Med** 1983 Aug 15; 38(16):437–41 (Eng. Abstr.) **(Ger)**

[Cholesterol-HDL and apoprotein A in a group of chronic uremic patients undergoing continuing hemodialytic treatment] Bergesio F, et al. **Minerva Nefrol** 1983 Jul–Sep; 30(3):165–73 (Eng. Abstr.) **(Ita)**

[Decrease in serum apoprotein A-IV levels in patients with chronic pancreatitis, diabetes mellitus and malabsorption syndrome] Miyata Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Mar;81(3):928 **(Jpn)**

DIAGNOSTIC USE

Comparison of the use of L-tyrosine apodecarboxylase and D-serine apodehydratase for plasma pyridoxal phosphate assay. Lumeng L, et al. **J Nutr** 1984 Feb;114(2):385–92

GENETICS

Nucleotide sequence of the gene for the P680 chlorophyll alpha apoprotein of the photosystem II reaction center from spinach. Morris J, et al. **Nucleic Acids Res** 1984 Mar 26; 12(6):2837–50

IMMUNOLOGY

Inhibition of antigen-induced T-cell clone proliferation by antigen-specific antibodies. Corradin G, et al. **Nature** 1984 Apr 5–11;308(5959):547–8

ISOLATION & PURIFICATION

A study of the interactions between residues in the C-terminal half of calmodulin by one and two-dimensional NMR methods and computer modelling. Aulabaugh A, et al. **Eur J Biochem** 1984 Sep 3;143(2):409–18

Apoenzyme of Pseudomonas cepacia salicylate hydroxylase. Preparation, fluorescence property, and nature of flavin binding. Wang LH, et al. **J Biol Chem** 1984 Jan 25;

259(2):1136–42
An ethanol/ether soluble apoprotein from rat lung surfactant augments liposome uptake by isolated granular pneumocytes. Claypool WD, et al. **J Clin Invest** 1984 Sep; 74(3):677–84

METABOLISM

Plasma high-density lipoproteins and liver lipids and proteins in man. Relation to hepatic histology and microsomal enzyme induction. Luoma PV, et al. **Acta Med Scand** 1983; 214(2):103–9
The thermodynamics of flavin binding to the apoflavodoxin from Azotobacter vinelandii. Carlson R, et al. **Arch Biochem Biophys** 1984 Mar;229(2):440–7
Quantitative transfer of the molybdenum cofactor from xanthine oxidase and from sulphite oxidase to the deficient enzyme of the nit-1 mutant of Neurospora crassa to yield active nitrate reductase. Hawkes TR, et al. **Biochem J** 1984 Apr 15;219(2):481–93
Neoglycoproteins: preparation of noncovalent glycoproteins through high-affinity protein-(glycosyl) ligand complexes. Chen VJ, et al. **Biochemistry** 1984 Jul 3;23(14):3306–11
Dimensions in solution of pyridoxylated apohemoglobin. Kowalczyck J, et al. **Biochemistry** 1983 Sep 27; 22(20):4805–9
Cooperative effects in the binding of pyridoxal 5'-phosphate to mitochondrial apo-aspartate aminotransferase. Garzillo AM, et al. **FEBS Lett** 1984 May 21;170(2):223–8
EPR titration of ovine prostaglandin H synthase with hemin. Ruf HH, et al. **FEBS Lett** 1984 Jan 9;165(2):293–6
Insertion of apocytochrome c into lipid vesicles. Dumont ME, et al. **J Biol Chem** 1984 Apr 10;259(7):4147–56
Is the mitochondrial precursor protein apocytochrome c able to pass a lipid barrier? Rietveld A, et al. **J Biol Chem** 1984 Jun 10;259(11):6704–7
Synthesis of a heme fragment of horse cytochrome c which forms a productive complex with a native apofragment. Veloso D, et al. **J Biol Chem** 1984 May 25;259(10):6067–73
Spectral studies of magnesium porphyrin—apomyoglobin and apohemoglobin complexes. Ong CC, et al. **J Inorg Biochem** 1983 Nov;19(3):189–202
Crystallographic studies on apocarboxypeptidase A and the complex with glycyl-L-tyrosine. Rees DC, et al. **Proc Natl Acad Sci USA** 1983 Dec;80(23):7151–4
Cooperative and non-cooperative effects in the binding of coenzyme to mitochondrial and cytosolic Apo-aspartate aminotransferase. Garzillo AM, et al. **Prog Clin Biol Res** 1984;144B:137–44
Disorders of lipid transport: relationship to abnormalities of apoproteins, enzymes and cellular receptors. Schonfeld G. **Prog Clin Biol Res** 1984;147:375–402 (121 ref.)

PHARMACODYNAMICS

Inhibition of mastitic bacteria by bovine milk apo-lactoferrin evaluated by in vitro microassay of bacterial growth. Nonnecke BJ, et al. **J Dairy Sci** 1984 Mar;67(3):606–13

APORPHINES

Aporphines. 50. Kinetics of solvolysis of N-(2-chloroethyl)norapomorphine, an irreversible dopamine receptor antagonist. Cohen SA, et al. **J Med Chem** 1983 Oct;26(10):1348–53

ADMINISTRATION & DOSAGE

Interaction of 99mTc-labeled liposomes with Walker tumour cells in vitro. Liposome-mediated introduction of thaliblastine into resistant Walker tumour cells. Deliconstantinos G, et al. **Gen Pharmacol** 1983;14(4):407–11

ANALYSIS

Determination of glaucine in plasma and urine by high-performance liquid chromatography. Fels JP, et al. **J Chromatogr** 1984 Jun 8;308:273–81

CHEMICAL SYNTHESIS

Aporphines. 58. N-(2-chloroethyl) [8,9-2H]norapomorphine, an irreversible ligand for dopamine receptors: synthesis and application. Guan JH, et al. **J Med Chem** 1984 Jun; 27(6):806–10

ISOLATION & PURIFICATION

Serotonergic receptor antagonist from Nandina domestica Thunberg. Shoji N, et al. **J Pharm Sci** 1984 Apr; 73(4):568–70

PHARMACODYNAMICS

On the sites of antitussive action of dl-glaucine phosphate. Kasé Y, et al. **Arzneimittelforsch** 1983;33(7):947–52
Pharmacological studies on dl-glaucine phosphate as an antitussive. Kasé Y, et al. **Arzneimittelforsch** 1983; 33(7):936–46
Dissociation between behavioral effects of (-)-N-(2-chloroethyl)-norapomorphine and D2 dopamine receptor-like activity. Helmeste DM. **Eur J Pharmacol** 1983 Nov 25;95(3–4):277–81
Vascular effects of apomorphine and related compounds in the perfused rat kidney. Schmidt M, et al. **Eur J Pharmacol** 1984 Jan 13;97(1–2):75–85
Mechanism of neuromuscular blocking action of isocorydine methochloride, a new quaternary alkaloid from Cocculus laurifolius DC. Mukherjee KC, et al. **Indian J Exp Biol** 1984 Jan;22(1):54–6
Motor inhibition induced by aporphine derivatives in the mouse. Bradbury AJ, et al. **J Pharm Pharmacol** 1983 Aug; 35(8):494–9
Comparative assessment of dopamine agonist aporphines as anticonvulsants in two models of reflex epilepsy. Anlezark GM, et al. **Psychopharmacology (Berlin)** 1983;81(2):135–9

THERAPEUTIC USE

Objective evaluation of dextromethorphan and glaucine as antitussive agents. Rühle KH, et al. **Br J Clin Pharmacol** 1984 May;17(5):521–4
Efficacy and tolerability of glaucine as an antitussive agent. Gastpar H, et al. **Curr Med Res Opin** 1984;9(1):21–7

TOXICITY

[Toxicological characteristics of the antitussive preparation glaucine] Mironova MI, et al. **Farmakol Toksikol** 1983 Jul-Aug;46(4):100–3 (Eng. Abstr.) **(Rus)**

APPARATUS AND INSTRUMENTS see EQUIPMENT AND SUPPLIES

APPENDECTOMY

Negative findings at appendectomy. Lau WY, et al. **Am J Surg** 1984 Sep;148(3):375–8
Appendicectomy in the elderly, incidence and operative findings. Arnbjörnsson E, et al. **Ann Chir Gynaecol** 1983; 72(4):223–8
The effect of intraperitoneal fluid on the prevention of small intestinal obstruction after appendicectomy. Preliminary results. Arnbjörnsson E, et al. **Ann Chir Gynaecol** 1983; 72(5):250–2
Relationship between the removal of the nonacute appendix and the menstrual cycle. Arnbjörnsson E. **Ann Chir Gynaecol** 1983;72(6):329–31
Metronidazole v ampicillin: differing effects on the postoperative recovery. Chant AD, et al. **Ann R Coll Surg Engl** 1984 Mar;66(2):96–7
Topical antiseptics in addition to peroperative antibiotics in preventing post-appendicectomy wound infections. Galland RB, et al. **Ann R Coll Surg Engl** 1983 Nov; 65(6):397–9
Combined preoperative antibiotic therapy and intraoperative topical povidone-iodine. Reduction of wound sepsis following emergency appendectomy. Sherlock DJ, et al. **Arch Surg** 1984 Aug;119(8):909–11
Negative feelings about negative appendectomy. Witte CL. **Ariz Med** 1984 Jul;41(7):480
Appendicectomy: a private hospital audit. Barraclough BH, et al. **Aust Clin Rev** 1983 Sep;(10):10–6
The results of an audit of primary appendicectomy in two Australian states. Collopy B, et al. **Aust Clin Rev** 1983 Sep; (10):6–10
Prophylaxis of postappendicectomy sepsis by metronidazole and cefotaxime; a randomized, prospective and double blind trial. Lau WY, et al. **Br J Surg** 1983 Nov;70(11):670–2
Management of appendiceal abscess. Arnbjörnsson E. **Curr Surg** 1984 Jan-Feb;41(1):4–9
Systemic prophylaxis with gentamicin-metronidazole in appendicectomy and colorectal surgery: a prospective controlled clinical study. Gómez-Alonso A, et al. **Int Surg** 1984 Jan-Mar;69(1):17–20
Appendicectomy today. Hennessy T. **Ir Med J** 1983 Nov; 76(11):445
Improved results in acute appendicitis care following areawide review. Detmer DE, et al. **Med Decis Making** 1984;4(2):217–27
Unnecessary appendicectomy [letter] **Med J Aust** 1984 Feb 4;140(3):178
Unnecessary appendicectomy [letter] Gray FJ. **Med J Aust** 1983 Nov 12;2(10):473
Appendicectomy and yersiniosis [letter] Tzipori S, et al. **Med J Aust** 1983 Dec 10-24;2(12):607
Appendicectomy drains: a case controlled study. Isbister WH. **NZ Med J** 1983 Dec 14;96(745):1005–7
The influence of oral contraceptives on the frequency of acute appendicitis in different phases of the menstrual cycle. Arnbjörnsson E. **Surg Gynecol Obstet** 1984 May; 158(5):464–6
[Simultaneous appendectomy during gynecologic laparotomies] Bobchev T, et al. **Akush Ginekol (Sofiia)** 1983;22(4):307–11 (Eng. Abstr.) **(Bul)**
[Estimate of the positive effect of appendectomy as an additional operation] Hoogendoorn D. **Ned Tijdschr Geneeskd** 1984 Jan 7;128(1):5–9 (Eng. Abstr.) **(Dut)**
[Appendectomy en passant] van Vroonhoven TJ. **Ned Tijdschr Geneeskd** 1984 Jan 7;128(1):31 **(Dut)**
[Gas gangrene of the abdominal wall following appendectomy] Milani H, et al. **Acta Chir Belg** 1983 Jul-Aug;83(4):266–8 (Eng. Abstr.) **(Fre)**
[Is the search for a Meckel's diverticulum and its excision within the framework of an appendectomy always justified?] Sadil V, et al. **Chirurg** 1984 Mar;55(3):182–3 **(Ger)**
[Primary appendiceal cancer] Steinau G, et al. **Med Welt** 1983 Oct 7;34(40):1119–20 **(Ger)**
[Preventive appendectomy—pro and con] Schwarz R, et al. **Zentralbl Gynakol** 1984;106(12):850–4 (Eng. Abstr.) **(Ger)**
[Appendectomy in patients suffering from Crohn's disease (editorial)] Yampulski Y, et al. **Harefuah** 1983 Nov 15; 105(10):336–7 **(Heb)**
[Therapeutic routines in appendectomy. How are they followed in practice?] Bye K, et al. **Tidsskr Nor Laegeforen** 1984 Jun 30;104(19–21):1318–20 (Eng. Abstr.) **(Nor)**
[A case of malignant hyperthermia] Cardan E, et al. **Rev Chir [Chir]** 1984 Jan-Feb;33(1):77–80 (Eng. Abstr.) **(Rum)**
[Hemorrhage from the inferior epigastric artery following appendectomy] Elovol MM. **Khirurgiia (Mosk)** 1984 May; (5):96–7 **(Rus)**
[Internal appendiceal-intestinal fistulas] Bokhan KL. **Vestn Khir** 1983 Jul;131(7):79–80 **(Rus)**
[Errors in the diagnosis and treatment of acute appendicitis] Butsenko VN, et al. **Vestn Khir** 1984 Feb;132(2):111–4 (Eng. Abstr.) **(Rus)**
[Stress ulcer of the stomach in patients with intestinal fistulas after appendectomy] Zonov VF, et al. **Vestn Khir** 1984 Jun;132(6):56–7 **(Rus)**

ADVERSE EFFECTS

Septic complications after appendicectomy for perforated appendicitis. A controlled clinical trial metronidazole and topical ampicillin. Schultz A, et al. **Acta Chir Scand** 1983; 149(5):517–20
Severe postappendectomy bleeding. Vo N, et al. **Am Surg** 1983 Oct;49(10):560–2
The prevention of postappendicectomy sepsis by metronidazole and cotrimoxazole: a controlled double blind trial. Chiam HL, et al. **Aust NZ J Surg** 1983 Oct;53(5):421–5
Ileocolic intussusception in an adult. A postoperative complication of appendectomy. Wolfson S, et al. **Dis Colon Rectum** 1984 Apr;27(4):265–6
Prophylactic rectal metronidazole before appendicectomy: should we use it in children? [letter] Weaver LT. **J Hosp Infect** 1983 Jun;4(2):213–4
Fecal fistula following appendectomy in Crohn's disease. Childress MH. **J Natl Med Assoc** 1983 Dec;75(12):1167–9
Tinidazole prophylaxis in appendicectomies. A controlled study of single-dose versus 3-day therapy. Viitanen J, et al. **Scand J Gastroenterol** 1984 Jan;19(1):111–5
Complications of appendectomy. Cooperman M. **Surg Clin North Am** 1983 Dec;63(6):1233–47 (47 ref.)
[The effect of appendectomy and cholecystectomy on the origin and development of carcinoma of the large intestine and rectum] Hladik V, et al. **Rozhl Chir** 1984 Jun; 63(6):446–52 (Eng. Abstr.) **(Cze)**
[Complications of appendicitis and appendectomies. Apropos of 106 cases] Heloury Y, et al. **J Chir (Paris)** 1983 Nov; 120(11):615–22 (Eng. Abstr.) **(Fre)**
[Should preventive antibiotics be prescribed in surgery of the appendix, biliary tract, stomach and duodenum?] Molkhou JM, et al. **J Chir (Paris)** 1983 Dec;120(12):721–8 (37 ref.) (Eng. Abstr.) **(Fre)**
[Reflexions on the pathogenesis of inguinal hernia after appendectomy] Di Vita G, et al. **Minerva Chir** 1984 Mar 15;39(5):337–40 (Eng. Abstr.) **(Ita)**
[Errors during appendectomy] Guzeev AI. **Khirurgiia (Mosk)** 1984 Mar;(3):93–6 **(Rus)**
[Appendectomy with a buried nonligated stump of the appendix in children] Iudin IaB, et al. **Khirurgiia (Mosk)** 1984 Mar;(3):55–8 **(Rus)**
[Complications of appendectomy] Mirza-Avakian GL, et al. **Klin Khir** 1984 Apr;(4):45–6 **(Rus)**
[Prevention of post-appendectomy infections] Aguilar Luque J, et al. **Rev Esp Enferm Apar Dig** 1983 Aug;64(2):121–5 (Eng. Abstr.) **(Spa)**

HISTORY

[Our surgical heritage. 100 years ago (50)] Schober KL. **Zentralbl Chir** 1983;108(19):1235–6 **(Ger)**

METHODS

The appendix stump: should it be invaginated? Watters DA, et al. **Ann R Coll Surg Engl** 1984 Mar;66(2):92–3
Pfannenstiel incision for appendicectomy in females. El-Boghdadly SA, et al. **Br J Clin Pract** 1984 Jan; 38(1):17–9
Endoscopic removal of surgically inverted appendix [letter] O'Brien K, et al. **Gastrointest Endosc** 1984 Apr;30(2):118–9
Appendicitis following appendicectomy. Francis DM. **J R Coll Surg Edinb** 1984 Jan;29(1):61–2
[Appendicitis] **Langenbecks Arch Chir** 1983;361:383–96 **(Ger)**
[Technic for closing the stump of the vermiform appendix] Durda II. **Klin Khir** 1984 Apr;(4):56 **(Rus)**
[Method of dealing with the stump of the vermiform appendix] Golovko FZ, et al. **Klin Khir** 1984 Apr;(4):57 **(Rus)**

PSYCHOLOGY

Life events, abnormal illness behavior, and appendectomy. Canton G, et al. **Gen Hosp Psychiatry** 1984 Jul;6(3):191–5

STANDARDS

Unnecessary appendicectomy? [letter] **Med J Aust** 1984 Apr 14;140(8):506–7

TRENDS

[Hyperdiagnosis in inflammatory diseases of the appendix] Deenichin P. **Khirurgiia (Sofiia)** 1983;36(2):142–7 (Eng. Abstr.) **(Rus)**

UTILIZATION

[Various results of reserve tactics for surgical treatment of patients with a diagnosis of 'chronic recurrent appendicitis'] Belkaniia SP, et al. **Klin Khir** 1984 Feb;(2):19–21 (Eng. Abstr.) **(Rus)**

APPENDICEAL NEOPLASMS

Mucinous cystadenoma of the appendix: a case report of the diagnoses and management. Hoag GN, et al. **J Surg Oncol** 1983 Nov;24(3):205–8

[Appendix carcinoid and carcinoma. A rare picture] Lotfi M. **Med Welt** 1983 Sep 23;34(38):1037–9 **(Ger)**

COMPLICATIONS

Intussusception of the appendix. Langsam LB, et al. **Dis Colon Rectum** 1984 Jun;27(6):387–92

Acute appendicitis in a patient with concurrent adenocarcinoma and carcinoid tumor of the appendix. Fleisher AG, et al. **NY State J Med** 1984 Jun;84(6):321–2

Tumors of the appendix [editorial] Wolff M. **NY State J Med** 1984 Jun;84(6):291–2

[Rare form of intestinal invagination due to an appendiceal polyp] Gladkil PM, et al. **Klin Khir** 1984 Mar;(3):60–1 **(Rus)**

DIAGNOSIS

Adenocarcinoma of the appendix simulating primary bladder carcinoma. Bartholomew LG, et al. **Dig Dis Sci** 1984 Apr; 29(4):371–5

Unusual presentation of carcinoma of the vermiform appendix: a report of two cases. Waizbard E, et al. **J Surg Oncol** 1984 Apr;25(4):263–7

[The appendix and the goose] Kalsbeek HL. **Ned Tijdschr Geneeskd** 1984 Jul 7;128(27):1265–7 **(Dut)**

[Differential diagnosis at the bedside. Only simple appendicitis?] Kochen MM, et al. **MMW** 1983 Nov 4; 125(44):93–4 **(Ger)**

[Carcinoid tumors of the appendix and small intestine as unusual secondary findings during gynecologic operations in and outside of pregnancy] Sommer J, et al. **Zentralbl Gynakol** 1984;106(5):314–24 (Eng. Abstr.) **(Ger)**

[A case of primary cystadenocarcinoma of the appendix forming a huge mucocele] Yoshioka N, et al. **Rinsho Hoshasen** 1984 Jan;29(1):147–50 (Eng. Abstr.) **(Jpn)**

[Mucinous carcinoid tumor] Róg-Marczuk J, et al. **Pol Tyg Lek** 1984 Apr 2;39(14):473–4 **(Pol)**

[Myxoma of the vermiform appendix] Korchak AM, et al. **Khirurgiia (Mosk)** 1983 Sep;(9):122–3 **(Rus)**

[Carcinoid tumor of the appendix] Krikunovskaia LA. **Khirurgiia (Mosk)** 1983 Nov;(11):73–5 **(Rus)**

[Carcinoid tumor of the appendix in children] Zabarskii LT, et al. **Khirurgiia (Mosk)** 1984 Jun;(6):116 **(Rus)**

PATHOLOGY

Carcinoid tumors of the appendix. Bowman GA, et al. **Am J Surg** 1983 Dec;146(6):700–3

Metastatic carcinoid tumor of the appendix. Report of a case and review of the literature. Thirlby RC, et al. **Dis Colon Rectum** 1984 Jan;27(1):42–6

Adenocarcinoid (mucinous carcinoid) of the appendix. Edmonds P, et al. **Gastroenterology** 1984 Feb;86(2):302–9

Tumors of the appendix: I. Neoplastic and nonneoplastic mucoceles. Wackym PA, et al. **South Med J** 1984 Mar; 77(3):283–7

Tumors of the appendix: II. The spectrum of carcinoid. Wackym PA, et al. **South Med J** 1984 Mar;77(3):288–91

[Goblet cell carcinoid in the vermiform appendix] Guldholt I, et al. **Ugeskr Laeger** 1984 Jan 9;146(2):107–9 (Eng. Abstr.) **(Dan)**

[Cancer of the appendix arising from a villous adenoma] Detky G. **Orv Hetil** 1983 Nov 13;124(46):2815–7 (Eng. Abstr.) **(Hun)**

[Carcinoma of the colon associated with diffuse metastatic leptomeningeal carcinomatosis (DMLC) presenting as disturbance of consciousness—a case report] Ohkawa H, et al. **Gan No Rinsho** 1984 Apr;30(4):409–12 (Eng. Abstr.) **(Jpn)**

[Myxoma of the vermiform appendix] Poliakov NG, et al. **Vestn Khir** 1984 Feb;132(2):50–1 **(Rus)**

[Revision of the term 'appendiceal mucocele'. Special reference to cystadenoma of the appendix] González González JJ, et al. **Rev Esp Enferm Apar Dig** 1983 Dec; 64(6):539–43 (Eng. Abstr.) **(Spa)**

[Carcinoid of the cecal appendix] Hernández-Hernández P, et al. **Rev Gastroenterol Mex** 1982 Oct–Dec;47(4):217–22 (Eng. Abstr.) **(Spa)**

SECRETION

[Histochemical analysis of mucus produced by large-intestinal carcinoid tumors] Stachura J, et al. **Patol Pol** 1983 Apr–Jun;34(2):185–93 (Eng. Abstr.) **(Pol)**

SURGERY

Surgical management of adenocarcinoma of the appendix. Lane IF, et al. **Br J Clin Pract** 1984 Jun;38(6):233–5

Primary adenocarcinoma of the vermiform appendix: report of a series of ten cases, and review of the literature. Gilhome RW, et al. **Br J Surg** 1984 Jul;71(7):553–5

Tumors of the appendix. Reenalda PE, et al. **Neth J Surg** 1984 Apr;36(2):54–6

[Primary appendiceal cancer] Steinau G, et al. **Med Welt** 1983 Oct 7;34(40):1119–20 **(Ger)**

[Cancer of the vermiform appendix] Krikunovskaia LA. **Khirurgiia (Mosk)** 1983 Sep;(9):122 **(Rus)**

THERAPY

Treatment of the carcinoid tumor and the malignant carcinoid syndrome. Moertel CG. **J Clin Oncol** 1983 Nov; 1(11):727–40 (46 ref.)

APPENDICITIS

Acute appendicitis: epidemiology, diagnostic accuracy, and complications. Jess P. **Scand J Gastroenterol** 1983 Mar; 18(2):161–3 (19 ref.)

BLOOD

The leucocyte count and histological appearance in acute appendicitis. Murray A, et al. **Br J Surg** 1984 Apr;71(4):319

Acute-phase proteins in acute appendicitis [letter] Van Lente F, et al. **Clin Chem** 1984 Jan;30(1):160

COMPLICATIONS

Bilateral ureteral obstruction as a complication to a perforated appendix. Report of a case. Sandermann J, et al. **Acta Chir Scand** 1983;149(5):535–6

Premature labor and coincident acute appendicitis not resolved by betamimetic but surgical treatment. Herczeg J, et al. **Acta Obstet Gynecol Scand** 1983;62(4):373–5

Burkitt's lymphoma with acute appendicitis [letter] Nanji AA, et al. **Arch Surg** 1983 Nov;118(11):1352

Effects of perforated appendicitis in girls on subsequent fertility. Puri P, et al. **Br Med J [Clin Res]** 1984 Jan 7; 288(6410):25–6

Effect of perforated appendicitis in girls on subsequent fertility [letter] Reiss HE. **Br Med J [Clin Res]** 1984 Feb 18;288(6416):570

Coincident acute appendicitis and hemorrhagic corpus luteal cyst. Neinstein LS, et al. **J Adolesc Health Care** 1984 Apr; 5(2):137–8

Situs inversus and appendicitis. Singhadej P, et al. **J Med Assoc Thai** 1984 Mar;67(3):194–200

Acute appendicitis in a patient with concurrent adenocarcinoma and carcinoid tumor of the appendix. Fleisher AG, et al. **NY State J Med** 1984 Jun;84(6):321–2

Bilateral Burkitt's tumour of the ovary and acute appendicitis. Hoare CE. **Papua New Guinea Med J** 1983 Mar;26(1):64–5

Ultrasonographic and computed tomographic findings of thromboembolism of the portal system by superior mesenteric vein thrombosis as a complication of appendicitis. Oei TK, et al. **ROFO** 1984 Apr;140(4):473–5

Appendiceal perforation and shigellosis. Tovar JA, et al. **Z Kinderchir** 1983 Dec;38(6):419

[Gas gangrene of the abdominal wall following appendectomy] Milani H, et al. **Acta Chir Belg** 1983 Jul–Aug;83(4):266–8 (Eng. Abstr.) **(Fre)**

[Primary appendiculocutaneous fistula caused by appendicitis. Description of a case and review of the literature] Uccheddu A, et al. **Ann Chir** 1984 Apr; 38(3):216–9 (Eng. Abstr.) **(Fre)**

[Complications of appendicitis and appendectomies. Apropos of 106 cases] Heloury Y, et al. **J Chir (Paris)** 1983 Nov; 120(11):615–22 (Eng. Abstr.) **(Fre)**

[Clinico-pathological analysis of appendiceal mucoceles] Ihász M, et al. **Orv Hetil** 1984 May 13;125(20):1181–6 (Eng. Abstr.) **(Hun)**

[Acute appendicitis with perforation into the right fallopian tube] Pawelec R. **Wiad Lek** 1983 Nov 1;36(21):1793–5 (Eng. Abstr.) **(Pol)**

[2 acute surgical diseases simultaneously in the same patient] Averin MG. **Klin Khir** 1984 Apr;(4):51–2 **(Rus)**

[Postoperative eventrations in appendicular peritonitis in children] Mankina NS, et al. **Klin Khir** 1984 Jun;(6):10–3 (Eng. Abstr.) **(Rus)**

[Acute perforating appendicitis in a newborn infant] Nusinovich LA, et al. **Klin Khir** 1984 Jun;(6):56–7 **(Rus)**

[Combination of foreign body of the peritoneal cavity and phlegmonous appendicitis] Tsyganenko IT, et al. **Klin Khir** 1984 Apr;(4):54–5 **(Rus)**

[Microflora of the peritoneal exudate in appendicular peritonitis in children] Lomnitskaia VB, et al. **Pediatriia** 1983 Sep;(9):45–7 **(Rus)**

[Surgical tactics in appendiceal infiltrates and abscesses] Bugulov GK, et al. **Sov Med** 1983;(7):100–2 **(Rus)**

[Internal appendiceal-intestinal fistulas] Bokhan KL. **Vestn Khir** 1983 Jul;131(7):79–80 **(Rus)**

[Torsion and rupture of floating spleen in combination with destructive appendicitis in a 13-year-old girl] Gainanov FKh, et al. **Vestn Khir** 1983 Jul;131(7):114 **(Rus)**

[Intracavitary pressure in the appendix in appendicitis] Kulik IaP, et al. **Vestn Khir** 1983 Dec;131(12):51–3 **(Rus)**

DIAGNOSIS

Neonatal appendicitis. Buntain WL, et al. **Ala J Med Sci** 1984 Jul;21(3):295–9

Omental anisakiasis: a rare mimic of acute appendicitis. Rushovich AM, et al. **Am J Clin Pathol** 1983 Oct; 80(4):517–20

Inflammatory pseudotumor of the appendix. Narasimharao KL, et al. **Am J Gastroenterol** 1984 Jan;79(1):32–4

Negative findings at appendectomy. Lau WY, et al. **Am J Surg** 1984 Sep;148(3):375–8

Relationship between the removal of the nonacute appendix and the menstrual cycle. Arnbjörnsson E. **Ann Chir Gynaecol** 1983;72(6):329–31

The role of auscultation and registration of bowel sounds in the diagnosis of acute appendicitis. Arnbjörnsson E, et al. **Ann Chir Gynaecol** 1983;72(6):324–8

Delayed rupture of the spleen can masquerade as appendicitis [letter] **Ann R Coll Surg Engl** 1984 May;66(3):225

Delayed rupture of the spleen can masquerade as appendicitis. Campbell WB. **Ann R Coll Surg Engl** 1983 Nov;65(6):396

Delayed rupture of the spleen can masquerade as appendicitis [letter] Sriskandavarman S. **Ann R Coll Surg Engl** 1984 Jul;66(4):300

Scoring system to aid in diagnoses of appendicitis. Teicher I, et al. **Ann Surg** 1983 Dec;198(6):753–9

Appendicitis. Williams R. **Aust Fam Physician** 1983 Jul; 12(7):533–6

Reye's syndrome presenting as suspected appendicitis. Nixon SJ, et al. **J R Coll Surg Edinb** 1984 Jan;29(1):63–4

Ruptured appendix after elective abortion. A case report. Pine S, et al. **J Reprod Med** 1983 Oct;28(10):691–3

Appendicitis manifested as lumbar plexus neuritis [letter] Lerner AM, et al. **JAMA** 1984 Mar 9;251(10):1280

Appendicectomy and yersiniosis [letter] Tzipori S, et al. **Med J Aust** 1983 Dec 10–24;2(12):607

Acute appendicitis presenting as cholestatic jaundice. Meyer G, et al. **NY State J Med** 1984 Mar;84(3 Pt 1):131–2

Diffuse malignant peritoneal mesothelioma presenting as acute appendicitis. Ramaswamy G, et al. **NY State J Med** 1984 Mar;84(3 Pt 1):125–7

Acute appendicitis: a quality assurance analysis. Roake JA, et al. **NZ Med J** 1983 Oct 26;96(742):788–90

Yersinia pseudoappendicitis—case report. Paris MF, et al. **Penn Med** 1983 Oct;86(10):52–3

A feasibility study of computer aided diagnosis in appendicitis. **Surg Gynecol Obstet** 1983 Nov;157(5):471–3

Reasons for delay of the diagnosis of acute appendicitis. Buchman TG, et al. **Surg Gynecol Obstet** 1984 Mar; 158(3):260–6

Use of a Bayesian algorithm in the computer-assisted diagnosis of appendicitis. Edwards FH, et al. **Surg Gynecol Obstet** 1984 Mar;158(3):219–22

An assessment of the value of the menstrual history in differentiating acute appendicitis from pelvic inflammatory disease. Robinson JA, et al. **Surg Gynecol Obstet** 1984 Aug; 159(2):149–52

Gonococcal salpingitis versus acute appendicitis: caution in diagnosis. Odugbemi TO, et al. **Trop Doct** 1984 Jan;14(1):44

[Acute appendicitis in pregnancy] Bouw GM. **Ned Tijdschr Geneeskd** 1984 Jan 7;128(1):2–5 (Eng. Abstr.) **(Dut)**

[The appendix and the goose] Kalsbeek HL. **Ned Tijdschr Geneeskd** 1984 Jul 7;128(27):1265–7 **(Dut)**

[Differential diagnosis at the bedside. Only simple appendicitis?] Kochen MM, et al. **MMW** 1983 Nov 4; 125(44):93–4 **(Ger)**

[Chronic appendicitis—Meckel's diverticulum?] Mothes W, et al. **Padiatr Grenzgeb** 1983;22(5):327–32 (Eng. Abstr.) **(Ger)**

[Appendicitis in infancy] Adam G, et al. **Z Arztl Fortbild (Jena)** 1984;78(9):351–3 **(Ger)**

[Differential diagnosis of incarcerated inguinal hernia in an infant: appendicitis in the hernial sac] Häuser U, et al. **Z Kinderchir** 1984 Feb;39(1):72–3 (Eng. Abstr.) **(Ger)**

[Acute appendicitis as a diagnostic error. Perforation of Meckel's diverticulum by a chicken bone] Koussidis A, et al. **Zentralbl Chir** 1983;108(23):1525–6 **(Ger)**

[Perforated appendicitis] Keller HW, et al. **ZFA (Stuttgart)** 1983 Nov 30;59(33):1852–6 **(Ger)**

[A case of hepatocellular carcinoma (acute abdominal type) misdiagnosed as acute appendicitis and satisfactorily treated by a two-stage operation] Umeshita K, et al. **Gan To Kagaku Ryoho** 1984 Jul;11(7):1506–10 (Eng. Abstr.) **(Jpn)**

[Appendicitis and pregnancy] Repina MA, et al. **Akush Ginekol (Mosk)** 1983 Oct;(10):69–72 **(Rus)**

[Rupture af an aneurysm of the abdominal sorta simulating acute appendicitis] Fedanov LV, et al. **Khirurgiia (Mosk)** 1984 May;(5):131–2 **(Rus)**

[Thermography of the anterior abdominal wall in acute appendicitis] Panchenkov RT, et al. **Khirurgiia (Mosk)** 1984 Mar;(3):112–5 **(Rus)**

[Hyperdiagnosis in inflammatory diseases of the appendix] Deenichin P. **Khirurgiia (Sofiia)** 1983;36(2):142–7 (Eng. Abstr.) **(Rus)**

[Acute appendicitis and genital diseases] Butsenko VN, et al. **Klin Khir** 1984 Apr;(4):42–4 (Eng. Abstr.) **(Rus)**

[Rheography in the evaluation of muscle tension symptoms in acute appendicitis] Kharchenko VG, et al. **Klin Khir** 1983 Nov;(11):75–6 **(Rus)**

[Diagnostic error in acute appendicitis] Michurin VF. **Klin Khir** 1984 Apr;(4):46–7 **(Rus)**

[Atypical acute appendicitis] Datkhaev IuI. **Klin Med (Mosk)** 1983 Nov;61(11):80–4 (Eng. Abstr.) **(Rus)**

[Errors in the diagnosis and treatment of acute appendicitis] Butsenko VN, et al. **Vestn Khir** 1984 Feb;132(2):111–4 (Eng. Abstr.) **(Rus)**

[Liquid crystalline thermography in the diagnosis of acute appendicitis] Lobenko AA, et al. **Vestn Khir** 1983 Oct; 131(10):66 **(Rus)**

[Rupture of an echinococcal cyst of the mesentery of the small intestine simulating acute appendicitis] Turdibaev MA, et al. **Vestn Khir** 1984 Feb;132(2):49 **(Rus)**

[Evaluation of body reactivity and the prognosis of the clinical course of acute appendicitis] Supraniuk SB. **Voen Med Zh** 1984 Feb;(2):53–6 **(Rus)**

[A torsion ovarian cyst in an 8-year-old girl imitating acute appendicitis] Murgaš I. **Rozhl Chir** 1984 Jun;63(6):439–45 (Eng. Abstr.) **(Slo)**

[Neonatal appendicitis. Report of a new case] Carol J, et al. **An Esp Pediatr** 1984 May;20(8):807–10 **(Spa)**

[Carcinoid of the cecal appendix] Hernández-Hernández P, et al. **Rev Gastroenterol Mex** 1982 Oct-Dec;47(4):217–22 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Antibiotic management of complicated appendicitis. King DR, et al. **J Pediatr Surg** 1983 Dec;18(6):945–50

Metronidazole plus cefazolin versus cefazolin in gangrenous and perforated appendicitis in childhood—a prospective randomised trial. Miholić J, et al. **Z Kinderchir** 1983 Jun; 38(3):159–62

[Postoperative chemotherapy of perforating appendicitis in children; with special reference to latamoxef therapy] Iida H, et al. **Jpn J Antibiot** 1983 Oct;36(10):2825–32 (Eng. Abstr.) **(Jpn)**

[Treatment with metronidazole in patients with destructive appendicitis] Tarshis VE, et al. **Khirurgiia (Mosk)** 1983 Sep; (9):113–5 **(Rus)**

ENZYMOLOGY

Enzymatic activation of lymphoid population following inflammatory reactions in the human appendix. Giampalmo A, et al. **Z Mikrosk Anat Forsch** 1983;97(5):785–96

ETIOLOGY

Obstruction of the appendix lumen in relation to pathogenesis of acute appendicitis. Arnbjörnsson E, et al. **Acta Chir Scand** 1983;149(8):789–91

Role of obstruction in the pathogenesis of acute appendicitis. Arnbjörnsson E, et al. **Am J Surg** 1984 Mar;147(3):390–2

IUD appendicitis. Goldman JA, et al. **Eur J Obstet Gynecol Reprod Biol** 1983 Jul;15(3):181–3

Acute appendicitis as a complication of the barium enema. A case report. Arnbjörnsson E. **Eur J Radiol** 1984 Feb; 4(1):44

Dietary fibre and acute appendicitis: a case-control study. Nelson M, et al. **Hum Nutr Appl Nutr** 1984 Apr; 38(2):126–31

Trichobezoar—an unusual cause of acute appendicitis. Attard GJ. **J R Army Med Corps** 1983 Jun;129(2):117

Appendicitis following appendicectomy. Francis DM. **J R Coll Surg Edinb** 1984 Jan;29(1):61–2

Acute appendicitis associated with a trichobezoar [letter] Kochar AS. **JAMA** 1984 Oct 5;252(13):1681–2

Appendicectomy and yersiniosis [letter] Andrew JH, et al. **Med J Aust** 1984 Mar 31;140(7):444

Association of Yersinia enterocolitica and appendicitis: a negative report from Hawaii [letter] Fajardo JE, et al. **Pediatr Infect Dis** 1984 Jul-Aug;3(4):369

Neonatal appendicitis [letter] Cunningham AS. **South Med J** 1984 May;77(5):670

Amebic appendicitis associated with hepatic abscess. Robinson AS, et al. **South Med J** 1984 Aug;77(8):1047–8

[Uterine perforation in contraception with an IUD] Ditlevsen S, et al. **Ugeskr Laeger** 1983 Dec 19;145(51):4002 (Eng. Abstr.) **(Dan)**

[Granulomatous appendicitis] Nisani M, et al. **Harefuah** 1984 Feb 1;106(3):123–5 (Eng. Abstr.) **(Heb)**

[Fluorosis and appendicitis] López Bravo A, et al. **Rev Sanid Hig Publica (Madr)** 1982 Nov-Dec; 56(11–12):1149–51 (Eng. Abstr.) **(Spa)**

HISTORY

[The men behind the syndrome: Emil Perman and Nils Thorkild Rovsing. Scandinavian surgeons were the first to describe signs of appendicitis] Räf L. **Lakartidningen** 1984 Aug 8;81(32–33):2829–30 **(Swe)**

IMMUNOLOGY

[HLA system and acute appendicitis in childhood] Minev M, et al. **Khirurgiia (Sofiia)** 1983;36(4):363–5 **(Bul)**

[Specific immunity in patients with suppurative processes in the abdominal cavity] Perfil'ev DF. **Khirurgiia (Mosk)** 1984 Apr;(4):43–5 (Eng. Abstr.) **(Rus)**

[Immunoglobulin and cation protein levels in patients with acute appendicitis] Liul'ka AN, et al. **Vestn Khir** 1983 Oct; 131(10):64–5 **(Rus)**

MICROBIOLOGY

Six cases of acute appendicitis with secondary peritonitis caused by Streptococcus pneumoniae. Heltberg O, et al. **Eur J Clin Microbiol** 1984 Apr;3(2):141–3

[Chronic granulomatous typhlitis caused by Yersinia] Di Blasi A, et al. **Pathologica** 1983 Mar-Apr;75(1036):187–95 (Eng. Abstr.) **(Ita)**

MORTALITY

Death from appendicitis outside hospital? [letter] Charlton JR, et al. **Lancet** 1984 Aug 18;2(8399):399

[Mortality and causes of death among patients operated on for appendicitis] Miszczak Z. **Wiad Lek** 1983 Dec 15; 36(24):2033–8 (Eng. Abstr.) **(Pol)**

[Clinico-morphologic parallels in appendicitis with a lethal outcome] Vlasov VV, et al. **Voen Med Zh** 1984 Mar;(3):70 **(Rus)**

OCCURRENCE

Acute appendicitis risk in various phases of the menstrual cycle. Arnbjörnsson E. **Acta Chir Scand** 1983;149(6):603–5

Appendicectomy in the elderly, incidence and operative findings. Arnbjörnsson E, et al. **Ann Chir Gynaecol** 1983; 72(4):223–8

A review of acute appendicitis in Dumfries and Galloway. Cumming JG. **Br J Clin Pract** 1984 Jun;38(6):215–6

Bowel behaviour: appendicitis in developing countries [letter] King TA. **Cent Afr J Med** 1984 Apr;30(4):72, 75

Appendicitis: 357 consecutive cases. Waldron R, et al. **Ir Med J** 1983 Nov;76(11):446, 448

Appendicitis—a study of incidence, death rates and consumption of hospital resources. Søreide O. **Postgrad Med J** 1984 May;60(703):341–5

[Estimate of the positive effect of appendectomy as an additional operation] Hoogendoorn D. **Ned Tijdschr Geneeskd** 1984 Jan 7;128(1):5–9 (Eng. Abstr.) **(Dut)**

[Epidemiology of appendicitis] Arnbjörnsson E. **Lakartidningen** 1983 Nov 9;80(45):4278–9 **(Swe)**

PARASITOLOGY

Volvulus of the appendix [letter] Laubscher HH. **S Afr Med J** 1984 Jul 21;66(3):86

[Parasitic appendicitis. Apropos of 4 cases of acute appendicitis] Bourée P, et al. **Bull Soc Pathol Exot Filiales** 1984 Jan-Feb;77(1):81–9 (Eng. Abstr.) **(Fre)**

[Appendicitis and parasitosis. Analysis of 1,030 appendectomies] Rodríguez Loeches J, et al. **Rev Cubana Med Trop** 1983 Sep-Dec;35(3):276–83 (Eng. Abstr.) **(Spa)**

[Appendiceal balantidiasis. Report of 2 cases] Dorfman S, et al. **Rev Esp Enferm Apar Dig** 1984 Feb;65(2):167–70 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Does the retrocecal position influence the course of acute appendicitis. Grunditz T, et al. **Acta Chir Scand** 1983; 149(7):707–10

On the possible origin of extra-epithelial enterochromaffin cells by budding from the crypts of Lieberkuhn. Millikin PD. **J Pathol** 1984 May;143(1):51–6

Scrotal swelling as the presenting symptom of acute perforated appendicitis in an infant. Nagel P. **J Pediatr Surg** 1984 Apr;19(2):177–8

Thirty year old caucasian male with acute onset of abdominal pain. Odland M, et al. **SD J Med** 1984 Jan;37(1):13–6

[Acute destructive appendicitis combined with strangulated umbilical hernia] Budarin VN. **Sov Med** 1984;(5):122–3 **(Rus)**

PHYSIOPATHOLOGY

The influence of oral contraceptives on the frequency of acute appendicitis in different phases of the menstrual cycle. Arnbjörnsson E. **Surg Gynecol Obstet** 1984 May; 158(5):464–6

[Homeostatic changes in the destructive form of acute appendicitis complicated by diffuse peritonitis in a hot dry climate] Nurmedov PN. **Vestn Khir** 1984 Jul;132(7):93–5 **(Rus)**

[Contractile function of the stomach and its mucosa in acute appendicitis patients] Silaev IuS, et al. **Vestn Khir** 1984 Jul; 132(7):66–8 **(Rus)**

PREVENTION & CONTROL

[Preventive appendectomy—pro and con] Schwarz R, et al. **Zentralbl Gynakol** 1984;106(12):850–4 (Eng. Abstr.) **(Ger)**

PSYCHOLOGY

Life events, abnormal illness behavior, and appendectomy. Canton G, et al. **Gen Hosp Psychiatry** 1984 Jul;6(3):191–5

RADIOGRAPHY

Nonspecificity of barium enema findings in acute appendicitis. Fedyshin P, et al. **AJR** 1984 Jul;143(1):99–102

Use of the barium swallow in the diagnosis of acute appendicitis. Schisgall RM. **Am J Surg** 1983 Nov; 146(5):663–7

The radio-opaque appendicolith—its significance in clinical practice. Guy PJ, et al. **J R Army Med Corps** 1983 Oct; 129(3):163–6

[Meaningful application of imaging technics in acute appendicitis] Beyer D, et al. **ROFO** 1984 Mar;140(3):269–75 (Eng. Abstr.) **(Ger)**

[X-ray diagnosis of acute appendicitis] Polezhaev VG, et al. **Klin Khir** 1984 Apr;(4):39–42 (Eng. Abstr.) **(Rus)**

SURGERY

Septic complications after appendicectomy for perforated appendicitis. A controlled clinical trial metronidazole and topical ampicillin. Schultz A, et al. **Acta Chir Scand** 1983; 149(5):517–20

Acute appendicitis in children: factors affecting morbidity. Harrison MW, et al. **Am J Surg** 1984 May;147(5):605–10

A Danish multicenter study: cefoxitin versus ampicillin + metronidazole in perforated appendicitis. **Br J Surg** 1984 Feb;71(2):144–6

Appendicitis in pregnancy. Weingold AB. **Clin Obstet Gynecol** 1983 Dec;26(4):801–9

Systemic prophylaxis with gentamicin-metronidazole in appendicectomy and colorectal surgery: a prospective controlled clinical study. Gómez-Alonso A, et al. **Int Surg** 1984 Jan-Mar;69(1):17–20

Improved results in acute appendicitis care following areawide review. Detmer DE, et al. **Med Decis Making** 1984;4(2):217–27

Perforative appendicitis in the third trimester of pregnancy. Spitzer M, et al. **NY State J Med** 1984 Mar;84(3 Pt 1):132–3

The use of antibiotics in pediatric abdominal surgery. Chang JH. **Pediatr Infect Dis** 1984 May-Jun;3(3):195–8

Metronidazole v. cefoxitin in severe appendicitis—a trial to compare a single intraoperative dose of two antibiotics given intravenously. Corder AP, et al. **Postgrad Med J** 1983 Nov;59(697):720–3

Complications of appendectomy. Cooperman M. **Surg Clin North Am** 1983 Dec;63(6):1233–47 (47 ref.)

Wound infections in appendicitis: effective prophylaxis. Gaffney PR. **World J Surg** 1984 Jun;8(3):287–92

The influence of metronidazole prophylaxis and the method of closure on wound infection in non-perforating appendicitis in childhood. McLean MD, et al. **Z Kinderchir** 1983 Oct;38(5):283–5

[Contribution to surgical complications during dysentery in children] Čučková J, et al. **Cas Lek Cesk** 1983 Aug 19; 122(32–33):988–90 (Eng. Abstr.) **(Cze)**

[Intraperitoneal drainage in acute appendicitis] Barthel J. **Acta Chir Belg** 1983 Sep-Oct;83(5):371–5 (Eng. Abstr.) **(Fre)**

[Is the search for a Meckel's diverticulum and its excision within the framework of an appendectomy always justified?] Sadil V, et al. **Chirurg** 1984 Mar;55(3):182–3 **(Ger)**

[Appendicitis] **Langenbecks Arch Chir** 1983;361:383–96 **(Ger)**

[Primary appendiceal cancer] Steinau G, et al. **Med Welt** 1983 Oct 7;34(40):1119–20 **(Ger)**

[Acute inflammation of a split appendix] Przyjałgowski J, et al. **Wiad Lek** 1984 Feb 15;37(4):290–2 (Eng. Abstr.) **(Pol)**

[Various results of reserve tactics for surgical treatment of patients with a diagnosis of 'chronic recurrent appendicitis'] Belkaniia SP, et al. **Klin Khir** 1984 Feb;(2):19–21 (Eng. Abstr.) **(Rus)**

[Repeat operations in acute appendicitis and their complications in children] Iudin IaB, et al. **Klin Khir** 1984 Jun;(6):29–30 (Eng. Abstr.) **(Rus)**

[Complications of appendectomy] Mirza-Avakian GL, et al. **Klin Khir** 1984 Apr;(4):45–6 **(Rus)**

[Surgical tactics in appendiceal infiltrates and abscesses] Bugulov GK, et al. **Sov Med** 1983;(7):100–2 **(Rus)**

[Results of the treatment of acute appendicitis] Kudinskii IuG, et al. **Sov Med** 1983;(7):98–9 **(Rus)**

[Incomplete intestinal fistulas] Karipidi GK. **Vestn Khir** 1983 Jul;131(7):54–7 (Eng. Abstr.) **(Rus)**

[Acute appendicitis in late middle-aged and elderly patients] Kukeev TK, et al. **Vestn Khir** 1984 Feb;132(2):50 **(Rus)**

THERAPY

Appendix mass: conservative management without interval appendectomy. Hoffmann J, et al. **Am J Surg** 1984 Sep; 148(3):379–82

20 years' acupuncture in 461 acute appendicitis cases. Fan YK, et al. **Chin Med J [Engl]** 1983 Jul;96(7):491–4

Management of appendiceal abscess. Arnbjörnsson E. **Curr Surg** 1984 Jan-Feb;41(1):4–9

Neutropenic typhlitis. A plea for conservatism. Shaked A, et al. **Dis Colon Rectum** 1983 May;26(5):351–2

Intraabdominal infections in the elderly. Norman DC, et al. **J Am Geriatr Soc** 1983 Nov;31(11):677–84

Helium-neon laser irradiation of acupuncture points in treatment of 50 cases of acute appendicitis. Tang H, et al. **J Tradit Chin Med** 1981 Sep;1(1):43–4

Community dispersion or problem resolution?: hypothetical plight of community residential patients with appendicitis. Morgan RF. **Psychol Rep** 1983 Oct;53(2):353–4

[Prolonged drug block of the retroperitoneal space in the iliosacral region in the combined treatment of complicated appendicitis] Popov VA, et al. **Khirurgiia (Mosk)** 1984 Mar; (3):100-2 **(Rus)**

APPENDIX

Obstruction of the appendix lumen in relation to pathogenesis of acute appendicitis. Arnbjörnsson E, et al. **Acta Chir Scand** 1983;149(8):789-91

Uteroenteric fistula due to ruptured ectopic pregnancy. Peters IB, et al. **Br J Radiol** 1983 Nov;56(671):881-3

Iliaco-appendiceal fistula complicating endarterectomy alone. Lamerton AJ. **Br J Surg** 1984 Jul;71(7):501

Withdrawal of the appendix with an abdominal tube drain [letter] Shoukris M, et al. **Br J Surg** 1984 May;71(5):401-2

Sigmoidoappendiceal fistula—an unusual complication of diverticulitis. Report of a case. van Hillo M, et al. **Dis Colon Rectum** 1984 Sep;27(9):618-20

Mucocele of the appendix presenting as a sigmoid mass. Beggs I, et al. **Eur J Radiol** 1984 Aug;4(3):219-20

Periappendicular granuloma [letter] Yatto RP. **Gastrointest Endosc** 1984 Jun;30(3):215-6

Neonatal appendicular perforation. Yadav K, et al. **Indian Pediatr** 1983 May;20(5):373-5

Trichobezoar—an unusual cause of acute appendicitis. Attard GJ. **J R Army Med Corps** 1983 Jun;129(2):117

Ultrasonic and computed tomographic features of mucocele of the appendix. Sandler MA, et al. **J Ultrasound Med** 1984 Mar;3(3):97-100

[Mucocele of the appendix--apropos of a case] Kniazhev V, et al. **Khirurgiia (Sofiia)** 1984;37(1):54-5 **(Bul)**

[Patient with a large foreign body of the appendix] Todorov S, et al. **Khirurgiia (Sofiia)** 1984;37(2):140-1 **(Bul)**

[Cecal pseudotumor and appendicular mucocele in cystic fibrosis. Apropos of a case] Boyez M, et al. **J Radiol** 1983 Nov;64(11):627-30 (Eng. Abstr.) **(Fre)**

[Simple mucocele of the cecal appendix] Repetto L, et al. **Minerva Chir** 1984 Mar 31;39(6):419-21 (Eng. Abstr.) **(Ita)**

[Intussusception of the appendiceal mucocele] Nitta N, et al. **Nippon Geka Hokan** 1983 May 1;52(3):412-6 (Eng. Abstr.) **(Jpn)**

[Vesico-intestinal fistula with contribution of 2 cases] Patrashkov T, et al. **Khirurgiia (Sofiia)** 1983;36(2):157-62 (Eng. Abstr.) **(Rus)**

[Invagination of the appendix in a child] Alinazarov AT, et al. **Klin Khir** 1984 Jun;(6):57 **(Rus)**

[Invagination of the appendix in the cecum] Bondarenko VA, et al. **Klin Khir** 1984 Mar;(3):60 **(Rus)**

[Rare form of intestinal invagination due to an appendiceal polyp] Gladkii PM, et al. **Klin Khir** 1984 Mar;(3):50-1 **(Rus)**

[Appendiceal fistulas] Gausman BIa, et al. **Vestn Khir** 1983 Jul;131(7):78-9 **(Rus)**

[Rare causes of ureteral compression] Skutil V, et al. **Bratisl Lek Listy** 1984 Apr;81(4):461-4 (Eng. Abstr.) **(Slo)**

ABNORMALITIES

Developmentally inverted appendix presenting as cecal polyp: case report. Holleman JH Jr, et al. **J Miss State Med Assoc** 1984 Jan;25(1):7

[Agenesis of the appendix] Zimmermann H, et al. **Prax!** 1983 Nov 29;72(48):1529 **(Ger)**

[Acute inflammation of a split appendix] Przyjałgowski J, et al. **Wiad Lek** 1984 Feb 15;37(4):290-2 (Eng. Abstr.) **(Pol)**

ANATOMY & HISTOLOGY

Does the retrocecal position influence the course of acute appendicitis. Grunditz T, et al. **Acta Chir Scand** 1983; 149(7):707-10

[Lymphatic nodules of the appendix] Afanas'ev IuI, et al. **Arkh Anat Gistol Embriol** 1983 Aug;85(8):73-82 (105 ref.) **(Rus)**

BLOOD SUPPLY

[Effect of fentolamin and its combination with etiron on microcirculation] Gikavyĭ VI, et al. **Farmakol Toksikol** 1983 Jul-Aug;46(4):49-54 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Another kind of extraepithelial neuroendocrine cell in the appendix [letter] Millikin PD. **Arch Pathol Lab Med** 1984 May;108(5):354-5

EMBRYOLOGY

[Histogenesis of the subepithelial lymphatic tissues—with special reference to the tonsilla caecalis of chickens and the palatine tonsils and appendix vermiformis of man] Sakai K. **Igaku Kenkyu** 1983 Mar;53(2):111-25 (Eng. Abstr.) **(Jpn)**

[Development of the mucosa and differentiation of the lymphocytes of the vermiform appendix of the human fetus] Khlystova ZS, et al. **Arkh Anat Gistol Embriol** 1984 May; 86(5):63-8 (Eng. Abstr.) **(Rus)**

[Structural and immunomorphological characteristics of the human fetal appendix] Khlystova ZS, et al. **Biull Eksp Biol Med** 1983 Oct;96(10):116-9 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Enzymatic activation of lymphoid population following inflammatory reactions in the human appendix. Giampalmo A, et al. **Z Mikrosk Anat Forsch** 1983;97(5):785-96

IMMUNOLOGY

[Immunomorphological indices of the lymphocytes of the tonsil, appendix and spleen of the human fetus] Khlystova ZS, et al. **Akush Ginekol (Mosk)** 1984 Jun;(6):58-60 (Eng. Abstr.) **(Rus)**

INNERVATION

Serotonin and its possible role in the painful non-inflamed appendix. Dhillon AP, et al. **Diagn Histopathol** 1983 Jul-Dec;6(3-4):239-46

MICROBIOLOGY

Isolation of Campylobacter jejuni from an appendix. Chan FT, et al. **J Clin Microbiol** 1983 Aug;18(2):422-4

PARASITOLOGY

Volvulus of the appendix [letter] Laubscher HH. **S Afr Med J** 1984 Jul 21;66(3):86

Acute intestinal obstruction from a granuloma due to Schistosoma hematobium in the appendix. Iozzi S, et al. **Trop Geogr Med** 1984 Mar;36(1):87-9

PATHOLOGY

Isolated gangrene of the appendix complicating intussusception. McCafferty H. **Br J Clin Pract** 1983 Nov-Dec;37(11-12):401, 403

Intussusception of the appendix. Langsam LB, et al. **Dis Colon Rectum** 1984 Jun;27(6):387-92

Appendiceal abscess in cystic fibrosis. A diagnostic challenge. McCarthy VP, et al. **Gastroenterology** 1984 Mar; 86(3):564-8

On the possible origin of extra-epithelial enterochromaffin cells by budding from the crypts of Lieberkuhn. Millikin PD. **J Pathol** 1984 May;143(1):51-6

Reasons for delay of the diagnosis of acute appendicitis. Buchman TG, et al. **Surg Gynecol Obstet** 1984 Mar; 158(3):260-6

[Clinico-morphologic parallels in appendicitis with a lethal outcome] Vlasov VV, et al. **Voen Med Zh** 1984 Mar;(3):70 **(Rus)**

RADIOGRAPHY

Displacement of the appendix in intussusception. Gilsanz V. **AJR** 1984 Feb;142(2):407-8

[Primary appendiculocutaneous fistula caused by appendicitis. Description of a case and review of the literature] Uccheddu A, et al. **Ann Chir** 1984 Apr; 38(3):216-9 (Eng. Abstr.) **(Fre)**

[Intracavitary pressure in the appendix in appendicitis] Kulik IaP, et al. **Vestn Khir** 1983 Dec;131(12):51-3 **(Rus)**

SURGERY

Intussusception of the appendix. Yates LN. **Int Surg** 1983 Jul-Sep;68(3):231-3

[Torsion of the vermiform appendix. Decidual reaction as a contributory cause] Roikjaer O. **Ugeskr Laeger** 1983 Nov 7;145(45):3496 (Eng. Abstr.) **(Dan)**

[Treatment of appendicular mucoceles] Pallarés V, et al. **Rev Esp Enferm Apar Dig** 1982 Dec;62(6):481-4 (Eng. Abstr.) **(Spa)**

ULTRASTRUCTURE

Functional histology of appendix. Bockman DE. **Arch Histol Jpn** 1983 Jun;46(3):271-92 (47 ref.)

APPETITE

The role of fever in appetite suppression after endotoxin administration. McCarthy DO, et al. **Am J Clin Nutr** 1984 Aug;40(2):310-6

Ventromedial hypothalamic knife-cut lesions in rats resistant to dietary obesity. Oku J, et al. **Am J Physiol** 1984 Jun; 246(6 Pt 2):R943-8

Appetite and weight change and the dexamethasone suppression test. Zimmerman M, et al. **Biol Psychiatry** 1984 Jun;19(6):923-8

Appetite and weight change in patients presenting with depressive illness. Harris B, et al. **J Affective Disord** 1984 Jun;6(3-4):331-9

Studies on the appetite for carbohydrates in rats and humans. Wurtman JJ, et al. **J Psychiatr Res** 1982-83;17(2):213-21 (16 ref.)

Suppression of feeding by cholecystokinin but not bombesin is attenuated in dorsomedial hypothalamic nuclei lesioned rats. Bellinger LL, et al. **Peptides (Fayetteville)** 1984 May-Jun;5(3):547-52

Dietary control and the stomach. Deutsch JA. **Prog Neurobiol** 1983;20(3-4):313-32

DRUG EFFECTS

Increased food intake of young children receiving a zinc supplement. Krebs NF, et al. **Am J Dis Child** 1984 Mar; 138(3):270-3

Modulation of feeding by endogenous sugar acids acting as hunger or satiety factors. Shimizu N, et al. **Am J Physiol** 1984 Apr;246(4 Pt 2):R542-50

Sodium appetite elicited by intracerebroventricular infusion of angiotensin II in the rat: II. Synergistic interaction with systemic mineralocorticoids. Fluharty SJ, et al. **Behav Neurosci** 1983 Oct;97(5):746-58

Sodium appetite elicited by intracerebroventricular infusion of angiotensin II in the rat: I. Relation to urinary sodium excretion. Fluharty SJ, et al. **Behav Neurosci** 1983 Oct; 97(5):738-45

Tolerance to amphetamine anorexia: role of learning versus body weight settling point. Wolgin DL. **Behav Neurosci** 1983 Aug;97(4):549-62

The scientific basis for use of Strychnos henningsii (Gilg) plant material to stimulate appetite. Ogeto JO, et al. **East Afr Med J** 1983 Sep;60(9):603-7

Inhibition of gastric emptying by peripheral and central fenfluramine in rats: correlation with anorexia. Rowland N, et al. **Life Sci** 1984 Jun 18;34(25):2495-9

Nalmefene decreases meal size, food and water intake and weight gain in Zucker rats. McLaughlin CL, et al. **Pharmacol Biochem Behav** 1983 Aug;19(2):235-40

(-)-Hydroxycitrate and conditioned aversions. Panksepp J, et al. **Pharmacol Biochem Behav** 1977 Jun;6(6):683-7

The kappa opioid receptor, ingestive behaviors and the obese mouse (ob/ob). Morley JE, et al. **Physiol Behav** 1983 Nov; 31(5):603-6

The cholecystokinin antagonist, proglumide, increases food intake in the rat. Shillabeer G, et al. **Regul Pept** 1984 Apr; 8(3):171-6

Neuroregulators and feeding: implications for the pharmacological manipulation of hunger and appetite. Blundell JE. **Rev Pure Appl Pharmacol Sci** 1982 Oct-Dec; 3(4):381-462 (312 ref.)

PHYSIOLOGY

Influence of external and covert food stimuli on insulin secretion in obese and normal persons. Johnson WG, et al. **Behav Neurosci** 1983 Dec;97(6):1025-8

Preoperative latent place learning preserves salt appetite following damage to the central gustatory system. Paulus RA, et al. **Behav Neurosci** 1984 Feb;98(1):146-51

Thirst and sodium appetite after colloid treatment in rats with septal lesions. Stricker EM. **Behav Neurosci** 1984 Apr; 98(2):356-60

Thirst and sodium appetite after colloid treatment in rats: role of the renin-angiotensin-aldosterone system. Stricker EM. **Behav Neurosci** 1983 Oct;97(5):725-37

Multiple factors in the satiation of salt appetite. Wolf G, et al. **Behav Neurosci** 1984 Aug;98(4):661-73

Parabrachial nuclei damage in infant rats produces residual deficits in gustatory preferences/aversions and sodium appetite. Hill DL, et al. **Dev Psychobiol** 1983 Nov; 16(6):519-33

Increased sodium appetite and polydipsia induced by partial aortic occlusion in the rat. Costales M, et al. **J Physiol (Lond)** 1984 Jul;352:467-81

The appetite of pregnant women [editorial] Landau RL. **JAMA** 1983 Dec 23-30;250(24):3323

APPETITE DEPRESSANTS

Anorexic and analgesic actions of THIP. DeFeudis FV. **Adv Biochem Psychopharmacol** 1983;37:107-21

Are peptides truly satiety agents? A method of testing for neurohumoral satiety effects. Billington CJ, et al. **Am J Physiol** 1983 Dec;245(6):R920-6

Ciclazindol: an oral agent with weight reducing properties and hypoglycaemic activity. Lean ME, et al. **Eur J Clin Pharmacol** 1983;25(1):41-5

Fenfluramine in the treatment of non-insulin-dependent diabetics: hypoglycemic versus anorectic effect. Verdy M, et al. **Int J Obes** 1983;7(4):289-97

Diet industry flourishes without regulation. Ries G. **Iowa Med** 1984 Feb;74(2):77-8, 80

Phenylpropanolamine for weight reduction. **Med Lett Drugs Ther** 1984 Jun 8;26(663):55-6

Naloxone-induced suppression of food intake is potentiated by neonatal administration of monosodium glutamate to mice. Dawson R Jr. **Neurobehav Toxicol Teratol** 1983 Sep-Oct;5(5):523-6

Synthetic tripeptides with anorexogenic effect. Szirtes T, et al. **Pol J Pharmacol Pharm** 1982 Nov-Dec;34(5-6):339-45

Anorectic and other behavioral effects of centrally administered calcitonins. Cooper CW, et al. **Psychopharmacol Bull** 1984 Summer;20(3):451-5

Calcitonin as an anorectic agent: localization of the effect to the brain and the hypothalamus. Freed WJ, et al. **Psychopharmacol Bull** 1984 Summer;20(3):456-8

Different behavioral mechanisms underlie tolerance to the anorectic effects of fenfluramine and quipazine. Rowland N, et al. **Psychopharmacology (Berlin)** 1983;81(2):155-7

[Appetite suppressing and satiety stimulating drugs. Specific effect and selective application] Gross F. **MMW** 1984 Jan 27;126(4):91-6 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Systemic sclerosis after therapy with appetite suppressants

[letter] Tomlinson IW, et al. **J Rheumatol** 1984 Apr; 11(2):254
Rhabdomyolysis after ingestion of an appetite suppressant [letter] Rumpf KW, et al. **JAMA** 1983 Oct 28;250(16):2112
Stroke and phenylpropanolamine use [letter] Johnson DA, et al. **Lancet** 1983 Oct 22;2(8356):970
Possible association of pulmonary hypertension with an anorectic drug. Cameron J, et al. **Med J Aust** 1984 May 12;140(10):595–7
Glucomanna diet tablets [letter] Fung M. **Med J Aust** 1984 Mar 17;140(6):350
Phenylpropanolamine-associated hypertension after the use of 'over-the-counter' appetite-suppressant products. McEwen J. **Med J Aust** 1983 Jul 23;2(2):71–3
Anorectic drugs. A cause of pulmonary hypertension? Mashford ML. **Med J Aust** 1984 May 12;140(10):597
Nonprescription appetite suppressants. Drew R. **NC Med J** 1983 Sep;44(9):573–4
[Norpseudoephedrine (norpseudoadrenaline) as a slimming agent is dangerous (letter)] Terland O. **Tidsskr Nor Laegeforen** 1983 Oct 20;103(29):2002–3 **(Nor)**

BLOOD

Satietin; a 50,000 dalton glycoprotein in human serum with potent, long-lasting and selective anorectic activity. Knoll J. **J Neural Transm** 1984;59(3):163–94 (105 ref.)

CHEMICAL SYNTHESIS

[Synthesis and testing of thiazolo[3,2-a]perimidine for anorectic activity] Liu KC, et al. **Arch Pharm (Weinheim)** 1983 Aug;316(8):728–9 **(Ger)**

METABOLISM

Selective and stereospecific interactions of R-SK & F 38393 with [3H]piflutixol but not [3H]spiperone binding to striatal D1 and D2 dopamine receptors: comparisons with SCH 23390. O'Boyle KM, et al. **Eur J Pharmacol** 1984 Mar 2; 98(3–4):433–6
Amphetamine in rat brain after intraperitoneal injection of N-alkylated analogues. Nazarali AJ, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1983; 7(4–6):813–6

PHARMACODYNAMICS

Studies on the mechanisms of tolerance to the anorectic effect of salbutamol in rats. Bendotti C, et al. **Eur J Pharmacol** 1983 Sep 2;92(3–4):237–42
Qualitative and quantitative effects of fenfluramine and tiflorex on food consumption in trained rats offered dietary choices. Curtis-Prior PB, et al. **Int J Obes** 1983;7(6):575–81
Possible involvement of endogenous opiates in the tolerance to the anorectic effect of fenfluramine. Groppetti A, et al. **J Pharmacol Exp Ther** 1984 Feb;228(2):446–53
Atypical beta-adrenoceptor on brown adipocytes as target for anti-obesity drugs. Arch JR, et al. **Nature** 1984 May 10–16;309(5964):163–5
The effects of several anorexigenics on monkey social behavior. Bedford JA, et al. **Pharmacol Biochem Behav** 1984 Mar;20(3):317–21
Yohimbine and rauwolscine reduce food intake of genetically obese (obob) and lean mice. Callahan MF, et al. **Pharmacol Biochem Behav** 1984 Apr;20(4):591–9
Nalmefene decreases meal size, food and water intake and weight gain in Zucker rats. McLaughlin CL, et al. **Pharmacol Biochem Behav** 1983 Aug;19(2):235–40
(-)-Hydroxycitrate and conditioned aversions. Panksepp J, et al. **Pharmacol Biochem Behav** 1977 Jun;6(6):683–7
Systems and interactions: an approach to the pharmacology of eating and hunger. Blundell JE. **Res Publ Assoc Res Nerv Ment Dis** 1984;62:39–65
Satietin, a blood-borne anorectic glycoprotein, as the putative rate-limiting satiety signal in the negative feed-back of food intake. Knoll J. **Z Ernahrungswiss** 1984 Jun;23(2):85–103
[Pharmacological action of mazindol on behaviors and metabolism] Nagai K, et al. **Nippon Yakurigaku Zasshi** 1984 Feb;83(2):133–45 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Better antiobesity drugs: coming—but when? Zoler ML. **Geriatrics** 1984 Jul;39(7):126–8
Amino acids and obesity. Ghadimi H. **Pediatr Ann** 1984 Jul; 13(7):557–63
[Short-term treatment of obesity: comparison between anorexigens and behavior modification] Hernández A, et al. **Rev Med Chil** 1984 Feb;112(2):132–8 (Eng. Abstr.) **(Spa)**

APPETITE DISORDERS

see related
ANOREXIA NERVOSA
Anorexia nervosa and bulimia. French RN Jr, et al. **Indiana Med** 1984 Apr;77(4):241–5 (38 ref.)

BLOOD

The plasma amino acid response to cafeteria feeding in the rat: influence of hyperphagia, sucrose intake, and exercise. Calles-Escandon J, et al. **Metabolism** 1984 Apr;33(4):364–8

CHEMICALLY INDUCED

Changes in amphetamine-induced anorexia and stereotypy during chronic treatment with antidepressant drugs. Willner P, et al. **Eur J Pharmacol** 1984 Mar 2; 98(3–4):397–406
Dissociation of analgesic and hyperphagic responses following 2-deoxy-D-glucose. Bodnar RJ, et al. **Int J Neurosci** 1983 Nov;21(3–4):225–36
Amphetamine-induced hyperphagia and obesity caused by intraventricular or lateral hypothalamic injections in rats. Hernandez L, et al. **J Pharmacol Exp Ther** 1983 Nov; 227(2):524–30
Influence of diet form on the hyperphagia-promoting effect of polysaccharide in rats. Sclafani A, et al. **Life Sci** 1984 Mar 26;34(13):1253–9
Malignant anorexia after nitrosourea therapy: case report. Chadduck WM. **Neurosurgery** 1984 Apr;14(4):489–91
[Effect of quinine on methamphetamine-induced anorexia] Suzuki T, et al. **Nippon Yakurigaku Zasshi** 1983 Aug; 82(2):149–57 (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

Complications of hazardous weight-loss methods. Sansone RA. **Am Fam Physician** 1984 Aug;30(2):141–6
Trazodone-induced delirium in bulimic patients. Damlouji NF, et al. **Am J Psychiatry** 1984 Mar;141(3):434–5
Sexual conflict and eating disorders in 27 males. Herzog DB, et al. **Am J Psychiatry** 1984 Aug;141(8):989–90
Bulimarexia and related serious eating disorders with medical complications. Harris RT. **Ann Intern Med** 1983 Dec; 99(6):800–7 (44 ref.)
Binge eating and outcome of behavioral treatment of obesity: a preliminary report. Keefe PH, et al. **Behav Res Ther** 1984; 22(3):319–21
Complications of bulimia nervosa [letter] Healy K. **Br J Psychiatry** 1984 Jul;145:93
Rumination in bulimia nervosa. Fairburn CG, et al. **Br Med J [Clin Res]** 1984 Mar 17;288(6420):826–7
Recognizing and managing the adolescent with Kleine-Levin syndrome. Waller DA, et al. **J Adolesc Health Care** 1984 Apr;5(2):139–41
Acute pancreatitis associated with bulimia. Marano AR, et al. **J Clin Gastroenterol** 1984 Jun;6(3):245–8
Focal glomerulosclerosis in obese zucker rats and prevention of its development. Shimamura T. **Kidney Int [Suppl]** 1983 Dec;16:S259–62
Hypokalaemia and renal impairment in patients with eating disorders. Mira M, et al. **Med J Aust** 1984 Mar 3; 140(5):290–2
Bulimia, anorexia nervosa, and diabetes. Deadly combinations. Hillard JR, et al. **Psychiatr Clin North Am** 1984 Jun;7(2):367–79
Phenomenologic relationship of eating disorders to major affective disorder. Hudson JI, et al. **Psychiatry Res** 1983 Aug;9(4):345–54
Diabetic hyperglycemia and glycosuria as a manifestation of bulimia. Featherstone HJ, et al. **South Med J** 1984 Jul; 77(7):936–7
[Undine and Erysichton syndrome in diabetes insipidus patients] Zakariadze TV. **Probl Tuberk** 1983 Jul;(7):70–1 **(Rus)**

DIAGNOSIS

Diagnosing bulimia. Bailey S. **Am Fam Physician** 1984 May; 29(5):161–4
Differentiating anorectic and nonanorectic patients with eating disorders [letter] Ingelmo J, et al. **Am J Psychiatry** 1984 Sep;141(9):1129
Undiagnosed vomiting in an older woman: unsuspected bulimia. Jonas JM, et al. **Am J Psychiatry** 1984 Jul; 141(7):902–3
Persistent social maladjustment in bulimia: a 1-year follow-up. Norman DK, et al. **Am J Psychiatry** 1984 Mar; 141(3):444–6
The clinical features of bulimia nervosa. Fairburn CG, et al. **Br J Psychiatry** 1984 Mar;144:238–46
Anorexia nervosa and bulimia in dancers. Accurate diagnosis and treatment planning. Maloney MJ. **Clin Sports Med** 1983 Nov;2(3):549–55
Bulimia: concept and therapy. Lowenkopf EL. **Compr Psychiatry** 1983 Nov-Dec;24(6):546–54 (29 ref.)
Algorithm for the evaluation of patients with anorexia. Meeroff JC. **Hosp Pract [Off]** 1984 Jul;19(7):115–7
Bulimia in men: report of three cases with neuroendocrine findings. Gwirtsman HE, et al. **J Clin Psychiatry** 1984 Feb; 45(2):78–81
Anorexia nervosa and bulimia. Smith MS. **J Fam Pract** 1984 May;18(5):757– (59 ref.)
Incidence and detection of bulimia in a family practice population. Zinkand H, et al. **J Fam Pract** 1984 Apr; 18(4):555–60
Susto [letter] Moon RS. **Lancet** 1984 Jan 21;1(8369):166
Anorexia nervosa and binge vomiting. Collipp PJ. **Pediatr Ann** 1984 Jul;13(7):538–42
The syndrome of bulimia. Review and synthesis. Johnson C, et al. **Psychiatr Clin North Am** 1984 Jun;7(2):247–73
The state of research in anorexia nervosa and bulimia. Halmi KA. **Psychiatr Dev** 1983 Autumn;1(3):247–62 (75 ref.)
[Bulimia: symptom or syndrome?] Samuel-Lajeunesse B, et al. **Ann Med Psychol (Paris)** 1984 Jan;142(1):1–23 (76 ref.) **(Fre)**
[Eating disorders in children and adolescents] Diepold B. **Prax Kinderpsychol Kinderpsychiatr** 1983 Nov-Dec; 32(8):298–304 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Suppression of bulimic symptoms with methylamphetamine. Ong YL, et al. **Br J Psychiatry** 1983 Sep;143:288–93
Prednisolone as an appetite stimulant in patients with cancer. Willox JC, et al. **Br Med J [Clin Res]** 1984 Jan 7; 288(6410):27
The treatment of Kleine-Levin syndrome with lithium. Goldberg MA. **Can J Psychiatry** 1983 Oct;28(6):491–3
Antidepressant treatment of bulimia: the relationship between bingeing and depressive symptomatology. Brotman AW, et al. **J Clin Psychiatry** 1984 Jan;45(1):7–9
An open trial of MAO inhibitors in bulimia. Stewart JW, et al. **J Clin Psychiatry** 1984 May;45(5):217–9
A placebo-controlled, double-blind trial of amitriptyline in bulimia. Mitchell JE, et al. **J Clin Psychopharmacol** 1984 Aug;4(4):186–93
Antidepressant treatment of bulimia: preliminary experience and practical recommendations. Pope HG Jr, et al. **J Clin Psychopharmacol** 1983 Oct;3(5):274–81 (47 ref.)
Treatment of bulimia with antidepressants: theoretical considerations and clinical findings. Hudson JI, et al. **Res Publ Assoc Res Nerv Ment Dis** 1984;62:259–73

ETIOLOGY

Growth retardation in the early developing rat exposed to continuous hypobaric hypoxia. Alippi RM, et al. **Acta Physiol Lat Am** 1983;33(1):1–5
Case report of bulimia associated with increased intracranial pressure. Krahn DD, et al. **Am J Psychiatry** 1984 Sep; 141(9):1099–100
Learned food aversions: heterogeneity of animal models of tumor-induced anorexia. Bernstein IL, et al. **Appetite** 1983 Jun;4(2):79–86
The rat LTW(m) Leydig cell tumor: cancer anorexia due to estrogen. Mordes JP, et al. **Endocrinology** 1984 Jul; 115(1):167–73
Binge eating during menstruation [letter] Price WA, et al. **J Clin Psychiatry** 1983 Nov;44(11):431
Food tolerance and food aversion. A joint report of the Royal College of Physicians and the British Nutrition Foundation. **J R Coll Physicians Lond** 1984 Apr;18(2):83–123
Plasma and brain cholecystokinin levels in cancer anorexia. Chance WT, et al. **J Surg Res** 1984 May;36(5):490–8
The role of the endogenous opiates in zinc deficiency anorexia. Essatara MB, et al. **Physiol Behav** 1984 Mar; 32(3):475–8
Zinc deficiency and anorexia in rats: the effect of central administration of norepinephrine, muscimol and bromerogocryptine. Essatara MB, et al. **Physiol Behav** 1984 Mar;32(3):479–82
[Anorexia, nausea and vomiting in cancer patients] Kleeberg UR. **Onkologie** 1984 Feb;7 Suppl 1:19–22 (Eng. Abstr.) **(Ger)**

HISTORY

Bulimia in the Talmud [letter] Kaplan AS, et al. **Am J Psychiatry** 1984 May;141(5):721

METABOLISM

Hyperphagia alters cholesterol dynamics in diabetic rats. Young NL, et al. **Diabetes** 1983 Sep;32(9):811–9
The significance of hyperphagia and diet composition on the metabolism in ventromedial hypothalamic lesioned male rats. Hansen FM, et al. **Horm Metab Res** 1983 Nov; 15(11):538–42
Changes in brain amines associated with cancer anorexia. Chance WT, et al. **Neurosci Biobehav Rev** 1983 Winter; 7(4):471–9
Monosaccharide transport by the small intestine of lean and genetically obese (ob/ob) mice. Morton AP, et al. **Q J Exp Physiol** 1984 Jan;69(1):117–26

OCCURRENCE

Eating disorders among adolescents: patterns and prevalence. Kagan DM, et al. **Adolescence** 1984 Spring;19(73):15–29
Anorexia nervosa and bulimia among 300 suburban women shoppers. Pope HG Jr, et al. **Am J Psychiatry** 1984 Feb; 141(2):292–4
Women with eating problems: a community survey. Cooper PJ, et al. **Br J Clin Psychol** 1984 Feb;23 (Pt 1):45–52
Epidemiological study of psychiatric disorder in adolescent girls: preliminary communication. Graham P, et al. **J R Soc Med** 1984 May;77(5):387–9
Bulimia: its epidemiology and management. Fairburn CG. **Res Publ Assoc Res Nerv Ment Dis** 1984;62:235–58

PHYSIOPATHOLOGY

Effects of an overfeeding regimen—the affective component of the sweet sensation. Fantino M, et al. **Appetite** 1983 Sep; 4(3):155–64
Neuroleptic-like anorexia produced by an extra-cerebral DA antagonist. Willis GL, et al. **Brain Res Bull** 1983 Jul; 11(1):21–4
Electrophysiologic abnormalities in patients with eating disorders. Grebb JA, et al. **Compr Psychiatry** 1984 Mar-Apr;25(2):216–24

Increased efficiency of weight gain and altered cellularity of brown adipose tissue in rats with impaired glucose tolerance during diet-induced overfeeding. Cunningham J, et al. **Diabetes** 1983 Nov;32(11):1023–7

Multiple Sleep Latency Test findings in Kleine–Levin syndrome. Reynolds CF, et al. **J Nerv Ment Dis** 1984 Jan; 172(1):41–4

Cholecystokinin-induced hypophagia is not potentiated by cancer anorexia. van Lammeren FM, et al. **Peptides (Fayetteville)** 1984 Jan–Feb;5(1):97–101

Early streptozotocin diabetes and hunger. Carpenter RG, et al. **Physiol Behav** 1983 Aug;31(2):175–8

Characteristics of insulin-induced hyperphagia in the golden hamster. DiBattista D. **Physiol Behav** 1984 Mar;32(3):381–7

Zinc deficiency and anorexia in rats: normal feeding patterns and stress induced feeding. Essatara MB, et al. **Physiol Behav** 1984 Mar;32(3):469–74

Area postrema/nucleus of the solitary tract ablations: analysis of the effects of hypophagia. Kott JN, et al. **Physiol Behav** 1984 Mar;32(3):429–35

Selection for body weight at eight weeks of age. 17. Overfeeding. Barbato GF, et al. **Poult Sci** 1984 Jan; 63(1):11–8

[Kleine–Levin–Critchley syndrome: polygraphic study of sleep organization in 1 case] Strusi L, et al. **Riv Neurobiol** 1983 Oct–Dec;29(4):546–52 (Eng. Abstr.) **(Ita)**

PSYCHOLOGY

Personality and eating habit variables as predictors of severity of binge eating and weight. Wolf EM, et al. **Addict Behav** 1983;8(4):335–44

Eating disorders. The secret pattern of binge/purge. Potts NL. **Am J Nurs** 1984 Jan;84(1):32–5

Appetite disturbance and excessive guilt in major depression. Use of family study data to define depressive subtypes. Leckman JF, et al. **Arch Gen Psychiatry** 1984 Sep; 41(9):839–44

Alcohol and food abuse: some comparisons. Scott DW. **Br J Addict** 1983 Dec;78(4):339–49

Rumination in bulimia nervosa. Fairburn CG, et al. **Br Med J [Clin Res]** 1984 Mar 17;288(6420):826–7

Bulimia: the obsession to be thin. Swartz J. **Can Med Assoc J** 1984 Apr 1;130(7):923–4

Bulimia and the basic fault: a psychoanalytic interpretation of the binging–vomiting syndrome. Swift WJ, et al. **J Am Acad Child Psychiatry** 1984 Jul;23(4):489–97

Vomiting as a learned weight-control technique in bulimia. Chiodo J, et al. **J Behav Ther Exp Psychiatry** 1983 Jun; 14(2):131–5

The assessment of bulimic symptoms and personality correlates in female college students. Nagelberg DB, et al. **J Clin Psychol** 1984 Mar;40(2):440–5

Bulimia and binge eating in college women: a comparison of personality and behavioral characteristics. Katzman MA, et al. **J Consult Clin Psychol** 1984 Jun;52(3):423–8

Binge eating, vomiting, and weight fear in a female high school population. Moss RA, et al. **J Fam Pract** 1984 Feb; 18(2):313–20

Organization of needs in anorectic, bulimic, and obese college women. Ondercin PA. **J Pers Assess** 1984 Apr;48(2):162–7

Anorexia nervosa—a preventable illness? McSherry JA. **J R Soc Health** 1983 Dec;103(6):207–9

Eating behaviours among young women. Abraham SF, et al. **Med J Aust** 1983 Sep 3;2(5):225–8

Alteration of case reports in 'running—an analogue of anorexia?' [letter] Leehey K, et al. **N Engl J Med** 1984 Mar 1;310(9):600

Eating disorders: a teen-age epidemic. Brockopp DY, et al. **Nurse Pract** 1984 Apr;9(4):32, 34–5

Eating disorders: physical or psychological starvation? Fried R. **Ohio State Med J** 1984 Feb;80(2):77–8

Stress and sucrose hyperphagia: role of endogenous opiates. Bertiere MC, et al. **Pharmacol Biochem Behav** 1984 May; 20(5):675–9

Pathology of eating. Gilbert S. **Pharmacol Ther** 1983; 20(1):133–49 (114 ref.)

Eating disorders: a variant of mood disorders? Hatsukami DK, et al. **Psychiatr Clin North Am** 1984 Jun;7(2):349–65

Anorexic syndromes and affective disorder. Wold PN. **Psychiatr J Univ Ottawa** 1983 Sep;8(3):116–9

Binge-eating, self-induced vomiting and laxative abuse: a community study. Fairburn CG, et al. **Psychol Med** 1984 May;14(2):401–10

A modified video camera for measuring body image distortion: technical description and reliability. Freeman RJ, et al. **Psychol Med** 1984 May;14(2):411–6

A speculative illness model of over-eating and anorexia nervosa. Bachmann M, et al. **Psychol Rep** 1983 Dec;53(3 Pt 1):831–8

Questionnaire responses from self-identified binge eaters and purgers. Cullari S, et al. **Psychol Rep** 1984 Feb;54(1):232–4

Quantitative assessment of psychologic state of patients with anorexia nervosa or bulimia: response to caloric stimulus. Robinson RG, et al. **Psychosom Med** 1983 Aug; 45(4):283–92

Psychological and behavioral characteristics of normal-weight bulimics and normal-weight controls. Weiss SR, et al. **Psychosom Med** 1983 Aug;45(4):293–303

[Bulimia] Vecht-van den Bergh R. **Ned Tijdschr Geneeskd** 1983 Sep 3;127(36):1625–8 **(Dut)**

[Bulimia nervosa: a syndrome of addictive eating behavior] Brand-Jacobi J. **Psychother Psychosom Med Psychol** 1984 Jul;34(7):151–60 (Eng. Abstr.) **(Ger)**

REHABILITATION

Eating after a stroke—towards an integrated view. Axelsson K, et al. **Int J Nurs Stud** 1984;21(2):93–9

THERAPY

Group therapy for bulimic adults. Stevens EV, et al. **Am J Orthopsychiatry** 1984 Jan;54(1):156–61

Group treatment for bulimic women. Weiss L, et al. **Artz Med** 1984 Feb;41(2):100–4

Anorexia nervosa and bulimia: diagnosis and comprehensive treatment. Andersen AE. **Compr Ther** 1983 Nov;9(11):9–17 (14 ref.)

Treatment of bulimia. Conner CS. **Drug Intell Clin Pharm** 1983 Nov;17(11):815–6

The group treatment of bulimia. Weinstein HM, et al. **J Am Coll Health** 1984 Apr;32(5):208–15

Reduction of food theft and long-term maintenance of weight loss in a Prader–Willi adult. Page TJ, et al. **J Behav Ther Exp Psychiatry** 1983 Sep;14(3):261–8 (30 ref.)

Bulimia. Utilizing individual and family therapy. White JH. **J Psychosoc Nurs Ment Health Serv** 1984 Apr;22(4):22–8

Overeaters anonymous [letter] **JAMA** 1984 Jan 27; 251(4):468–9

Eating disorders in young women [editorial] Kalucy RS. **Med J Aust** 1983 Sep 3;2(5):205–6

An inpatient model for the treatment of eating disorders. Larocca FE. **Psychiatr Clin North Am** 1984 Jun;7(2):287–98

The interruption of bulimic behaviors. A review of three treatment programs. Pyle RL, et al. **Psychiatr Clin North Am** 1984 Jun;7(2):275–86

The function of self-help groups in recovery from anorexia nervosa and bulimia. Rubel JA. **Psychiatr Clin North Am** 1984 Jun;7(2):381–94

The role of social work in a model self-help organization. Wempner MP. **Psychiatr Clin North Am** 1984 Jun; 7(2):395–404

[Aspects of practical oncology. Oncologic dietetics—treatment of anorexia and cachexia] Hartlapp JH, et al. **Onkologie** 1984 Feb;7 Suppl 1:23–7 (Eng. Abstr.) **(Ger)**

VETERINARY

Plasma zinc and inappetence in sheep infected with Trichostrongylus colubriformis. Symons LE. **J Comp Pathol** 1983 Oct;93(4):547–50

Xylazine hydrochloride-induced anorexia in white-tailed deer. Warren RJ, et al. **J Wildl Dis** 1984 Jan;20(1):66–8

[Behavioral disorders in intensively kept fattening bulls] Sambraus HH, et al. **DTW** 1984 Feb 7;91(2):56–60 (Eng. Abstr.) **(Ger)**

APPETITE REGULATION

The role of CCK-like peptides in appetite regulation. Yalow RS, et al. **Adv Metab Disord** 1983;10:435–56 (90 ref.)

The regulation of feeding: locusts and blowflies are not so different from mammals. Simpson SJ, et al. **Appetite** 1983 Dec;4(4):313–46

Hypothalamic control of appetite. Hirsch J. **Hosp Pract [Off]** 1984 Feb;19(2):131–8

Plasma cholecystokinin (CCK) before and after a jejunoileal bypass operation in obese patients with reference to appetite regulation. Burhol PG, et al. **Int J Obes** 1984;8(3):233–6

[The central regulation of food intake] Guggenheim YK. **Harefuah** 1984 Mar 1;106(5):221–4 **(Heb)**

[Role of endogenous opiate-like peptides in appetite regulation and the pathogenesis of obesity] Zahorska-Markiewicz B, et al. **Pol Arch Med Wewn** 1984 Jan;71(1):53–7 (27 ref.) **(Pol)**

[New data on the role of cerebrointestinal peptides in appetite regulation and control of obesity] Kniazev IuA, et al. **Pediatriia** 1984 May;(5):45–8 (15 ref.) (Eng. Abstr.) **(Rus)**

APPETITIVE BEHAVIOR

see related
CEREMONIAL

Square-root models for the Volterra equations and the explicit solution of these models. Arrigoni M, et al. **Acta Biotheor (Leiden)** 1983;32(2):123–42

The physical dimensions and biological meaning of the coefficients in the Volterra competition equations and their consequences for the possibility of coexistence. Walker I. **Acta Biotheor (Leiden)** 1983;32(2):93–122

Timing in animal learning and behavior: discussion paper. Fantino E. **Ann NY Acad Sci** 1984;423:292–5

Time horizons of foraging animals. Krebs JR, et al. **Ann NY Acad Sci** 1984;423:278–91

The integration of reinforcements over time. Lea SE, et al. **Ann NY Acad Sci** 1984;423:269–77

Eye accommodation during prey capture behaviour in salamanders (Salamandra salamandra L.). Werner C, et al. **Behav Brain Res** 1984 Apr;12(1):69–73

Encounters in predator-prey systems: a simple discrete model. Voit EO. **Biosystems** 1984;17(1):57–63

Appetitive conditioning in neonatal rats: conditioned ingestive responding to stimuli paired with oral infusions of milk. Johanson IB, et al. **Dev Psychobiol** 1984 Jul; 17(4):357–81

Changes in appetitive behavior in weanling-age rats: transitions from suckling to feeding behavior. Stoloff ML, et al. **Dev Psychobiol** 1983 Sep;16(5):439–53

Therapeutic effects of an imposed foraging task in disturbed monkeys. Rosenblum LA, et al. **J Child Psychol Psychiatry** 1984 Jul;25(3):485–97

Age structure in predator-prey systems: intraspecific carnivore interaction, passive diffusion, and the paradox of enrichment. Smith JL, et al. **J Math Biol** 1983; 17(3):275–88

Evolution of stable exploiter-victim systems [news] Diamond JM. **Nature** 1984 Aug 23-29;310(5979):632

DRUG EFFECTS

Prey-capturing ability of American kestrels fed DDE and acephate or acephate alone. Rudolph SG, et al. **Arch Environ Contam Toxicol** 1984 May;13(3):367–72

Chemical sensitivity of visual cortical neurons at different stages of food behavior formation. Andrianov VV. **Neurosci Behav Physiol** 1983 Sep–Oct;13(5):351–6

Instinctive predatory behavior of mustelids (Mustela putorius f. furo, Mustela vision f. dom.) modified by benzodiazepine derivatives. Apfelbach R. **Pharmacol Biochem Behav** 1981; 14 Suppl 1:43–6

Effects of chlordiazepoxide on food anticipation, drinking and other behaviors in food-deprived and satiated rats. Nieto J, et al. **Pharmacol Biochem Behav** 1984 Jan; 20(1):39–44

PHYSIOLOGY

Sodium appetite during captopril blockade of endogenous angiotensin II formation. Moe KE, et al. **Am J Physiol** 1984 Aug;247(2 Pt 2):R356–65

Cholinergic system in the toad's (Bufo bufo L.) visual system. Hock FJ. **Behav Neural Biol** 1983 Jul;38(2):313–6

Food-motivated behavior in rats with cortico-basomedial amygdala damage. Lukaszewska I, et al. **Behav Neurosci** 1984 Jun;98(3):441–51

Electrical activity of the reticular formation during aversive and appetitive conditioning in rats. Irisawa N, et al. **Brain Res** 1984 Apr 2;296(2):211–23

A stone's throw and its launch window: timing precision and its implications for language and hominid brains. Calvin WH. **J Theor Biol** 1983 Sep 7;104(1):121–35

Neurochemical mechanisms of participation of the caudate nuclei in food-getting behavior. Shugalev NP. **Neurosci Behav Physiol** 1983 Sep–Oct;13(5):345–50

Rearing rats with mice prevents induction of mouse killing by lesions of the septum but not lesions of the medial hypothalamus or medial accumbens. Albert DJ, et al. **Physiol Behav** 1984 Jan;32(1):143–5

Mouse-killing in Sprague–Dawley rats: effects of lighting conditions. Johansson GG, et al. **Physiol Behav** 1984 Jan; 32(1):153–4

Involvement of dopaminergic neurotransmission in the control of goal-directed movements. Schmidt WJ. **Psychopharmacology (Berlin)** 1983;80(4):360–4

[Genetic analysis of predator aggressiveness in mice] Nikulina EM, et al. **Genetika (Moskva)** 1983 Jul;19(7):1105–10 (Eng. Abstr.) **(Rus)**

[Participation of serotonin in demonstration of predatory aggression in the mouse] Nikulina EM, et al. **Zh Vyssh Nerv Deiat** 1983 Jul–Aug;33(4):737–42 (Eng. Abstr.) **(Rus)**

[Inhibitory role of serotonin in manifestations of predatory aggression in the mink and silver fox] Popova NK, et al. **Zh Vyssh Nerv Deiat** 1983 Nov–Dec;33(6):1098–1102 (Eng. Abstr.) **(Rus)**

[Predatory behavior of the rat after deafferentation of the tongue] Rylov AL, et al. **Zh Vyssh Nerv Deiat** 1984 Mar–Apr;34(2):369–71 **(Rus)**

[Interaction of different forms of aggressive behavior in the rat] Rylov AL. **Zh Vyssh Nerv Deiat** 1983 Nov–Dec; 33(6):1151–3 **(Rus)**

APPLE see **FRUIT**

APPOINTMENTS AND SCHEDULES

Increasing attendance at alcohol aftercare using calendar prompts and home based contracting. Ossip-Klein DJ, et al. **Addict Behav** 1984;9(1):85–9

Simulated analysis of patient waiting time in an outpatient pharmacy. Vemuri S. **Am J Hosp Pharm** 1984 Jun; 41(6):1127–30

Does no phone at home only reflect socioeconomic status [letter] Goodman JS. **Am J Psychiatry** 1984 Jan; 141(1):137–8

Block scheduling contributes to ambulatory surgery center success. Drier CA, et al. **AORN J** 1984 Mar;39(4):673–4

Maximizing resources. Efficient scheduling of the OR. Hackey BA, et al. **AORN J** 1984 Jun;39(7):1174, 1176–7, 1180

Medical consequences of missed appointments. Bigby JA, et al. **Arch Intern Med** 1984 Jun;144(6):1163–6

Children who poison themselves. II. Prediction of attendance for treatment. Taylor EA, et al. **Br J Psychiatry** 1984 Aug; 145:132–5

Surgical waiting lists [letter] **Br Med J [Clin Res]** 1984 Aug

25;289(6443):495–6
Inpatient waiting: a discussion and policy proposal. Cullis JG, et al. **Br Med J [Clin Res]** 1983 Nov 12; 287(6403):1483–6
Making an appointment system work. Greig DN. **Br Med J [Clin Res]** 1984 May 12;288(6428):1423–5
Surgical waiting lists [editorial] Morris D. **Br Med J [Clin Res]** 1984 Aug 4;289(6440):271–2
Improving appointment–keeping by patients new to a hospital medical clinic with telephone or mailed reminders. Grover S, et al. **Can Med Assoc J** 1983 Nov 15;129(10):1101–3
Computer modelling of ENT out–patients. Birchall JP, et al. **Clin Otolaryngol** 1983 Dec;8(6):411–5
Strategies for reducing missed initial appointments in a community mental health center. Kluger MP, et al. **Community Ment Health J** 1983 Summer;19(2):137–43
Appointment compliance behavior of community mental health patients: a discriminant analysis. Paolillo JG, et al. **Community Ment Health J** 1984 Summer;20(2):103–8
Predicting physician time for melanoma outpatients. Ashley P, et al. **Dimens Health Serv** 1984 Apr;61(4):23–4
Clinical pharmacy services in family practice: cost–benefit analysis. II. Referrals, appointment compliance, and costs. Chrischilles EA, et al. **Drug Intell Clin Pharm** 1984 May; 18(5):436–41
Satisfaction with health care. A predictor of adolescents' appointment keeping. Litt IF, et al. **J Adolesc Health Care** 1984 Jul;5(3):196–200
Effecting change in outpatient failed appointments. Barry SP, et al. **J Fam Pract** 1984 May;18(5):739–42
Appointment–keeping compliance. Unexpected benefits from an unorthodox program. Dicker RB. **J Kans Med Soc** 1983 Sep;84(9):470–4, 499
Loss prevention case of the month. System failure. Avery JK. **J Tenn Med Assoc** 1984 May;77(5):286, 288
Broken NHS appointments: millions wasted? Deitch R. **Lancet** 1984 Jun 23;1(8391):1419
The cost of broken NHS appointments [letter] Grimes DS. **Lancet** 1984 Jul 14;2(8394):102
Outpatient appointments [letter] Warlow CP. **Lancet** 1984 Jul 21;2(8395):164–5
The emergency room and the hypertensive patient. Improving linkage to clinical care. Hamaker JB, et al. **Med Care** 1984 Aug;22(8):755–9
Hospitalization utilization levels. The application of queuing. Theory to a controversial medical economic problem. McQuarrie DG. **Minn Med** 1983 Nov;66(11):679–86
[Schedule in primary health care. Can electronic data processing help us?] Dvergsdal P, et al. **Tidsskr Nor Laegeforen** 1984 May 20;104(14):992–3 (Eng. Abstr.) **(Nor)**
[Waiting lists for medical treatment. Factors influencing numbers] Søreide O, et al. **Tidsskr Nor Laegeforen** 1984 Apr 30;104(12):819–22 (Eng. Abstr.) **(Nor)**
[Waiting time for medical care] Llerena CM, et al. **Salud Publica Mex** 1984 Jan–Feb;26(1):50–9 (Eng. Abstr.) **(Spa)**

ORGANIZATION & ADMINISTRATION

[Disciplinary responsibility of an insurance physician for incidents during appointment registration] Kamps H. **Dtsch Med Wochenschr** 1983 Dec 2;108(48):1852–3 **(Ger)**

APPROPRIATENESS REVIEW (HEALTH CARE) see under **REGIONAL HEALTH PLANNING**

APRAXIA

COMPLICATIONS

Apraxia of eyelid opening in progressive supranuclear palsy [letter] Dehaene I. **Ann Neurol** 1984 Jan;15(1):115–6

CONGENITAL

Congenital ocular motor apraxia. Neetens A, et al. **Bull Soc Belge Ophtalmol** 1982;203:71–4
[Congenital oculomotor apraxia. 2 cases with an electro–oculography study] Samson M, et al. **Rev Neurol (Paris)** 1983;139(8–9):515–8 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Neurogenic dysphonia. Hartman DE. **Ann Otol Rhinol Laryngol** 1984 Jan–Feb;93(1 Pt 1):57–64
Ideational apraxia. Poeck K. **J Neurol** 1983;230(1):1–5
Apraxia in deep cerebral lesions. Agostoni E, et al. **J Neurol Neurosurg Psychiatry** 1983 Sep;46(9):804–8
Dysphasia, dyspraxia, and dysarthria: distinguishing features, Part I. Boss BJ. **J Neurosurg Nurs** 1984 Jun;16(3):151–60
Dysphasia, dyspraxia, and dysarthria: distinguishing features, Part II. Boss BJ. **J Neurosurg Nurs** 1984 Aug;16(4):211–6
Ontogenesis of hemispheric specialization: apraxia associated with congenital left hemisphere lesions. Nass R. **Percept Mot Skills** 1983 Dec;57(3 Pt 1):775–82
[Anterior choroidal artery syndrome. Neuropsychological study of 4 cases] Cambier J, et al. **Rev Neurol (Paris)** 1983; 139(10):553–9 (Eng. Abstr.) **(Fre)**
[Gnosias, phasias and praxias: critical review and proposal for a new method of clinical evaluation] Borromei A, et al. **Minerva Psichiatr** 1983 Oct–Dec;24(4):129–37 (Eng. Abstr.) **(Ita)**
[A case of posttraumatic interhemispheric disconnection syndrome] Nakatani T, et al. **No To Shinkei** 1984 Jan; 36(1):65–71 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Sex differences in cerebral organization for speech and praxic functions. Kimura D. **Can J Psychol** 1983 Mar;37(1):19–35

FAMILIAL & GENETIC

Aphasia/apraxia and familial aggregation in Alzheimer's disease [letter] Breitner JC. **Ann Neurol** 1984 Jun; 15(6):614–5

PHYSIOPATHOLOGY

A discussion of apraxia, aphasia, and gestural language. Helm–Estabrooks N. **Am J Physiol** 1984 Jun;246(6 Pt 2):R884–7
Apraxia and aphasia for a visual–gestural language. Poizner H, et al. **Am J Physiol** 1984 Jun;246(6 Pt 2):R868–83
Voice onset time production and perception in apraxic subjects. Hoit–Dalgaard J, et al. **Brain Lang** 1983 Nov; 20(2):329–39
Constructional apraxia as a function of lesion locus and size in patients with focal brain damage. Black FW, et al. **Cortex** 1984 Mar;20(1):111–20
Acoustical analysis of vowel duration in apraxia of speech: a case study. Caligiuri MP, et al. **Folia Phoniatr (Basel)** 1983;35(5):226–34
Neurologic soft signs in schizophrenia [letter] Ogle WA. **J Clin Psychiatry** 1983 Dec;44(12):469
Apraxia and aphasia: the functional–anatomical basis for their dissociation. Kertesz A, et al. **Neurology (NY)** 1984 Jan; 34(1):40–7
Current perspectives on disruptions to limb praxis. Roy EA. **Phys Ther** 1983 Dec;63(12):1998–2003
[The voice onset time of apraxic and dysarthric speakers] Gillmer E, et al. **S Afr J Commun Disord** 1983;30:34–9 (Eng. Abstr.) **(Afr)**
[Finger imitation difficulty, constructional disorder and classical apraxias] Ogura J, et al. **No To Shinkei** 1983 Aug; 35(8):759–63 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

[Eyelid motor impersistence] Larmande P, et al. **J Fr Ophtalmol** 1983;6(10):809–14 (Eng. Abstr.) **(Fre)**

APRICOT see **FRUIT**

APRINDINE see under **INDENES**

APROCARB

[Sensitivity of Anopheles sacharovi Favre. mosquitoes to malathion, propoxur and DDT in the Azerbaijan SSR] Kul'kova TA, et al. **Med Parazitol (Mosk)** 1984 Jan–Feb; (1):44–6 (Eng. Abstr.) **(Rus)**

ANALYSIS

Reverse phase high performance liquid chromatographic determination of Baygon in water. Kumar Y. **J Environ Sci Health [B]** 1983 Dec;18(6):757–65
In vivo methylation of guanine by the organophosphorus insecticide tetrachlorvinphos. Zayed SM, et al. **J Environ Sci Health [B]** 1983 Dec;18(6):767–79

TOXICITY

Unidirectional cross–tolerance between the carbamate insecticide propoxur and the organophosphate disulfoton in mice. Costa LG, et al. **Fundam Appl Toxicol** 1983 Sep–Oct;3(5):483–8
A study of liver microsomal enzymes in rats following propoxur (Baygon) administration. Nelson DL, et al. **Vet Hum Toxicol** 1984 Aug;26(4):305–8

APROTININ see **KALLIKREIN–TRYPSIN INACTIVATOR**

APT

PHARMACODYNAMICS

The effect of intrahypothalamic injection of homodimaprit on blood pressure. Gatti PJ, et al. **Neuropharmacology** 1984 Jun;23(6):663–70
Antinociceptive effect of centrally administered cimetidine and dimaprit in the rat. Netti C, et al. **Pharmacology** 1984; 28(5):262–7
Effect of histamine receptor agonists and antagonists on the uterine vasculature. Clark KE, et al. **Proc Soc Exp Biol Med** 1984 Apr;175(4):476–82
[Effects of dimaprit, an H2 receptor agonist, on blood levels of corticosterone in the rat] Basile V, et al. **Boll Soc Ital Biol Sper** 1983 Oct 30;59(10):1442–6 (Eng. Abstr.) **(Ita)**

TOXICITY

Studies with specific agonists and antagonists of the role of histamine H1– and H2–receptor activation in the pathogenesis of gastric lesions in rats. Del Soldato P. **Agents Actions** 1984 Feb;14(2):139–42

APTITUDE

Errors of inference in the detection of major gene effects on psychological test scores. Eaves LJ. **Am J Hum Genet** 1983 Nov;35(6):1179–89
Lateral specialization of a perpetual calendar task by a moderately mentally retarded adult. Burling TA 3d, et al. **Am J Ment Defic** 1983 Nov;88(3):326–8
The performance of professional musicians on the seashore measures of musical talent: an unexpected finding. Henson RA, et al. **Cortex** 1982 Apr;18(1):153–7
Developmental dyslexia—a talent deficit [editorial] Levy HB. **Dev Med Child Neurol** 1983 Dec;25(6):691–2
Age, skill, and management. Singleton WT. **Int J Aging Hum Dev** 1983;17(1):15–23
An islet of ability in autistic children: a research note. Shah A, et al. **J Child Psychol Psychiatry** 1983 Oct;24(4):613–20
Ability, dis–ability and rehabilitation: a phenomenological description. Williams RS Jr. **J Med Philos** 1984 Feb; 9(1):93–112
Cognitive and motor shifting aptitude disorder in Parkinson's disease. Cools AR, et al. **J Neurol Neurosurg Psychiatry** 1984 May;47(5):443–53
Effect of middle ear pathology on selected psychoeducational measures following surgical treatment. Hutton JB. **Percept Mot Skills** 1983 Dec;57(3 Pt 2):1095–100
The idiot savant: flawed genius or clever Hans? Hermelin B, et al. **Psychol Med** 1983 Aug;13(3):479–81
[School aptitude and school achievements of former premature infants] Wagner KD, et al. **Arztl Jugendkd** 1983 Jul;74(4):237–44 (Eng. Abstr.) **(Ger)**
[Talent research—a new way in cognitive intelligence diagnosis?] Klix F. **Z Psychol** 1983;191(4):360–87 (Eng. Abstr.) **(Ger)**
[Method of evaluating the occupationally important qualities guaranteeing success in mastering the mining profession in vocational school pupils] Kharkovenko NM, et al. **Gig Sanit** 1984 Jun;(6):52–3 **(Rus)**
[Effectiveness of training of automobile drivers using methods of psychophysiological examination] D'iakonov IF, et al. **Voen Med Zh** 1983 Aug;(8):50–1 **(Rus)**
[Preliminary aspects relating to the problem–solving process] López Alonso AO. **Acta Psiquiatr Psicol Am Lat** 1984 Mar; 30(1):55–64 (Eng. Abstr.) **(Spa)**

APTITUDE TESTS

see related
EDUCATIONAL MEASUREMENT

Validating vocational assessment of severely mentally retarded persons: issues and an application. Irvin LK, et al. **Am J Ment Defic** 1984 Jan;88(4):411–7
Comparison of the Minnesota Percepto–Diagnostic Test and Bender–Gestalt: relationship with achievement criteria. Fuller GB, et al. **J Clin Psychol** 1983 Nov;39(6):985–8
Stability, concurrent and predictive validity of the PPVT–R. Naglieri JA, et al. **J Clin Psychol** 1983 Nov;39(6):965–7
The evaluation of twice–taken dental admission test scores. Schwartz RH, et al. **J Dent Educ** 1984 Mar;48(3):164–6

STANDARDS

Test–retest stability of the Hiskey–Nebraska Test of Learning Aptitude in a sample of hearing–impaired children and adolescents. Watson BU. **J Speech Hear Disord** 1983 May; 48(2):145–9

APUD CELLS

Primary malignant melanoma of the small intestine: report of a case and discussion of the APUD cell concept. Tabaie HA, et al. **J Am Osteopath Assoc** 1984 Jan;83(5):374–7

ANALYSIS

Somatostatin and/or somatostatin–like immunoreactive endocrine–paracrine cells in the human prostate gland. di Sant'Agnese PA, et al. **Arch Pathol Lab Med** 1984 Sep; 108(9):693–6

CYTOLOGY

Histochemical study of APUD (amine precursor uptake and decarboxylation) system in various tissues of laboratory animals. Ramesha Rao K, et al. **Indian J Pathol Microbiol** 1983 Oct;26(4):283–8

DRUG EFFECTS

Effect of l–DOPA on calcitonin secretion by thyroid C cells. Zabel M. **Z Mikrosk Anat Forsch** 1983;97(2):319–28

PATHOLOGY

APUD cells of the larynx. Pesce C, et al. **Acta Otolaryngol (Stockh)** 1984 Jul–Aug;98(1–2):158–62
Quantitative studies of argyrophilic APUD cells in airways. III. The effects of sensitization and anaphylactic shock. Marchevsky AM, et al. **Am Rev Respir Dis** 1984 Mar; 129(3):477–80
[C–cells (parafollicular) and medullary cancer of the thyroid gland] Serezhin BS. **Arkh Patol** 1984;46(5):89–93 (Eng.

Abstr.) (Rus)
[Pathology of the APUD-system of the digestive organs] Raikhlin NT, et al. **Sov Med** 1983;(7):58–64 (35 ref.) (Rus)

PHYSIOLOGY

The diffuse neuroendocrine (APUD) system. Launay JM, et al. **Biomed Pharmacother** 1983;37(7):322–8 (51 ref.)
[Endocrine function of apudocytes in immunocompetent organs during different forms of immune response] Balmasova IP, et al. **Biull Eksp Biol Med** 1983 Sep; 96(9):78–9 (Eng. Abstr.) (Rus)

SECRETION

[The APUD system and apudomas: current knowledge] Manguso L, et al. **Clin Ter** 1984 Apr 15;109(1):53–66 (Eng. Abstr.) (Ita)
[APUD cells and APUDoma] Nishimoto I, et al. **Nippon Rinsho** 1983 Jun;41(6):1324–36 (58 ref.) (Jpn)

ULTRASTRUCTURE

Identification of the APUD endocrine cells of rat fundic mucosa by means of combined amine fluorescence and electron microscopy. Rubin W, et al. **J Histochem Cytochem** 1984 Jan;32(1):67–75
[Fluorescent detection of APUD-type cells in the digestive tract of the rabbit fetus. Correlative study in electron microscopy] L'Hermite A. **Arch Anat Microsc Morphol Exp** 1983;72(2):87–98 (Eng. Abstr.) (Fre)

APUDOMA

CHEMICALLY INDUCED

[The C cell system and experimental thyroid apudomas in the rat: the combined action of 2-acetylaminofluorene and chlorpromazine in inducing systemic medullary type tumors. An ultrastructural study] Théret CG, et al. **C R Seances Acad Sci [III]** 1984;298(4):77–84 (Eng. Abstr.) (Fre)

DIAGNOSIS

[Association of colonic cancer and Merkel cell tumor. Diagnostic and therapeutic problems (letter)] Asquier P, et al. **Presse Med** 1984 Jan 28;13(3):164–5 (Fre)
[APUDoma of the head of the pancreas with a rare course] Wajda Z, et al. **Pol Tyg Lek** 1983 Dec 12;38(50):1573–4 (Eng. Abstr.) (Pol)
[Glucagonomas (letter)] Varas Lorenzo MJ. **Rev Esp Enferm Apar Dig** 1983 Sep;64(3):250–2 (Spa)

ETIOLOGY

[C-cells (parafollicular) and medullary cancer of the thyroid gland] Serezhin BS. **Arkh Patol** 1984;46(5):89–93 (Eng. Abstr.) (Rus)

METABOLISM

Stainability of the peptide hormones in gastrointestinal apudomas as demonstrated by immunoperoxidase kits. Kasurinen J, et al. **Scand J Gastroenterol** 1984 Mar; 19(2):167–72

PATHOLOGY

Functional and structural cell differentiation. Keynes M. **Clin Oncol** 1983 Dec;9(4):273–4
Multidirectional differentiation in neuroendocrine neoplasms. DeLellis RA, et al. **J Histochem Cytochem** 1984 Aug; 32(8):899–904 (54 ref.)
Typical and atypical carcinoids within the pulmonary APUD tumor spectrum. DeCaro LF, et al. **J Thorac Cardiovasc Surg** 1983 Oct;86(4):528–36
Metastasizing APUD cell tumours of the human gastrointestinal tract. Light microscopic and karyometric studies. Haroske G, et al. **Pathol Res Pract** 1984 Mar; 178(4):363–8
[Apudomas of the lung from the cytochemical and electron microscopic viewpoint] Rückert H, et al. **Arch Geschwulstforsch** 1984;54(2):119–27 (Eng. Abstr.) (Ger)
[Neuroendocrine (Merkel cell) carcinoma of the skin] Rauch HJ, et al. **Hautarzt** 1984 Mar;35(3):138–41 (Eng. Abstr.) (Ger)

PHYSIOPATHOLOGY

The diffuse neuroendocrine (APUD) system. Launay JM, et al. **Biomed Pharmacother** 1983;37(7):322–8 (51 ref.)

SECRETION

A pancreatic-polypeptide-producing tumor of the stomach. Solt J, et al. **Cancer** 1984 Sep 15;54(6):1101–4
[The APUD system and apudomas: current knowledge] Manguso L, et al. **Clin Ter** 1984 Apr 15;109(1):53–66 (Eng. Abstr.) (Ita)
[APUD cells and APUDoma] Nishimoto I, et al. **Nippon Rinsho** 1983 Jun;41(6):1324–36 (58 ref.) (Jpn)
[Pathology of the APUD-system of the digestive organs] Raikhlin NT, et al. **Sov Med** 1983;(7):58–64 (35 ref.) (Rus)

SURGERY

Tumors of the neuroendocrine system (APUD cell tumors—Apudomas). Welbourn RB, et al. **Curr Probl Surg** 1984 Aug;21(8):1–73 (193 ref.)
[Duodeno-pancreatic apudoma (including hyperplasias) and their secretory syndromes. 37 surgical cases] Besson A, et al. **Schweiz Rundsch Med Prax** 1984 Apr 24; 73(17):531–42 (Eng. Abstr.) (Fre)

ULTRASTRUCTURE

Bronchial carcinoid with fibrillary inclusions related to cytokeratins: an immunohistochemical and ultrastructural study with subsequent investigation of 12 foregut APUDomas. Berger G, et al. **Histopathology** 1984 Mar; 8(2):245–57
Neuroendocrine carcinoma of skin with simultaneous cytokeratin expression. Green WR, et al. **Ultrastruct Pathol** 1984;6(2–3):141–52
Sublingual tumor in a five-year-old boy. Martinez-Peñuela JM, et al. **Ultrastruct Pathol** 1984;6(2–3):233–38
[Merkel cell tumors of the skin] Pajor L, et al. **Orv Hetil** 1984 Mar 18;125(12):683–6 (Eng. Abstr.) (Hun)
[Neuroendocrine (Merkel cell) tumor of the skin] Vajda K, et al. **Orv Hetil** 1984 Mar 18;125(12):705–7 (Eng. Abstr.) (Hun)

APURINIC ACID see under **POLYNUCLEOTIDES**

APYRASE see under **PHOSPHATASES**

AQUEDUCT OF SYLVIUS see **CEREBRAL AQUEDUCT**

AQUEOUS HUMOR

Blood-ocular and blood-brain barrier function in streptozocin-induced diabetes in rats. Mäepea O, et al. **Arch Ophthalmol** 1984 Sep;102(9):1366–9
A method for controlled introduction and removal of Healon in anterior segment surgery. Worst JG. **J Am Intraocul Implant Soc** 1984 Winter;10(1):79–80
[Immunochemical aspects of human aqueous humor in the first 30 hours after death] Brumeanu TD, et al. **Rev Chir [Oftalmol]** 1984 Jan-Mar;28(1):41–8 (Eng. Abstr.) (Rum)

ANALYSIS

Reduction of the hyaluronate concentration in rabbit aqueous humour by topical prednisolone. Laurent UB. **Acta Ophthalmol (Copenh)** 1983 Oct;61(5):751–5
Determination of protein content in aqueous humour by high-performance gel filtration chromatography. Saari KM, et al. **Acta Ophthalmol (Copenh)** 1983 Aug;61(4):611–7
Determination of copper concentration in blood plasma and in ocular and cerebrospinal fluids using graphite furnace atomic absorption spectroscopy. McGahan MC, et al. **Anal Biochem** 1983 Nov;135(1):186–92
Ceftazidime concentrations in human aqueous humor. Axelrod JL, et al. **Arch Ophthalmol** 1984 Jun;102(6):923–5
Aqueous penetration of oral and topical indomethacin in humans. Sanders DR, et al. **Arch Ophthalmol** 1983 Oct; 101(10):1614–6
Lipoproteins and lipids in cow and human aqueous humor. Cenedella RJ. **Biochim Biophys Acta** 1984 May 11; 793(3):448–54
Studies on gas-permeable hard contact lenses: a quantitative analysis of lactic acid in rabbit aqueous humor. Kamiya C. **CLAO J** 1984 Jan-Mar;10(1):96–9
Biochemical studies on the use of sodium hyaluronate in the anterior eye segment. I. Variation of protein and ascorbic acid concentration in rabbit aqueous humor. Iwata S, et al. **Curr Eye Res** 1984 Apr;3(4):605–10
Detection of uric acid in aqueous humor by high pressure liquid chromatography. Lam KW, et al. **Curr Eye Res** 1982–83;2(10):645–9
The pathophysiology of the ocular microenvironment. I. Preliminary report on the possible involvement of copper in ocular inflammation. McGahan MC, et al. **Curr Eye Res** 1982–83;2(12):883–5
A direct correlation between the levels of ascorbic acid and H2O2 in aqueous humor. Giblin FJ, et al. **Exp Eye Res** 1984 Jan;38(1):87–93
Blood, bone marrow and eye fluid ethanol concentrations in putrefied rabbits. Winek CL, et al. **Forensic Sci Int** 1983 Aug-Sep;22(2–3):151–9
Azlocillin concentrations in human aqueous humor after intravenous and subconjunctival administration. Behrens-Baumann W, et al. **Graefes Arch Clin Exp Ophthalmol** 1983;220(6):292–3
A clinical evaluation of oxygen and carbon dioxide values and pH in the human aqueous humour in normal and cataractous eyes. Sharma RG, et al. **Indian J Ophthalmol** 1983 Sep;31(5):525–7
Complement inhibitors in normal cornea and aqueous humor. Mondino BJ, et al. **Invest Ophthalmol Vis Sci** 1984 Apr; 25(4):483–6
Quantitative determination of human aqueous proteins by crossed immunoelectrophoresis. Inada K, et al. **Jpn J Ophthalmol** 1984;28(1):1–8
Lipid composition of human aqueous humor. Jahn CE, et al. **Ophthalmic Res** 1983;15(4):220–4
[Dynamic observation of the quantities of PGE1 and protein in the aqueous humor after ruby laser iridectomy] Jing CD. **Chung Hua Yen Ko Tsa Chih** 1983 Jul;19(4):193–6 (Chi)
[Prostaglandin concentration in the aqueous humor after conjunctival-corneal alkali burns: correlation of biochemical, functional and morphological findings] Rochels R, et al. **Fortschr Ophthalmol** 1983;80(2):145–7 (Eng. Abstr.) (Ger)
[Changes in ocular tone, pH, ascorbic acid and lactic acid concentration in the aqueous humor of rabbits treated with aceclidine] Balacco-Gabrieli C, et al. **Boll Soc Ital Biol Sper** 1983 Aug 30;59(8):1172–5 (Eng. Abstr.) (Ita)
[A study on genesis of unilateral cataract in the middle-aged: changes in aqueous humor proteins and corneal endothelium] Murata T, et al. **Nippon Ganka Gakkai Zasshi** 1984 Apr;88(4):686–9 (Eng. Abstr.) (Jpn)
[Relation between pharmacokinetics of an antibiotic in ocular fluids and the method of administration and dosage form of gentamycin] Malchuk IuF, et al. **Antibiotiki** 1984 May; 29(5):386–90 (Eng. Abstr.) (Rus)

CYTOLOGY

T-lymphocyte subsets in the aqueous humor and peripheral blood of patients with acute untreated uveitis. Toledo de Abreu M, et al. **Am J Ophthalmol** 1984 Jul 15;98(1):62–5
The shift of Schlemm's canal during the remodelling of the chamber angle in the developing rat eye. Urner U, et al. **Doc Ophthalmol** 1984 May 30;57(3):263–77
PMN accumulation in aqueous humor and iris-ciliary body during intraocular inflammation. Williams RN, et al. **Invest Ophthalmol Vis Sci** 1984 Jan;25(1):105–8
Phase contrast microscopy. Diagnosis of ghost cell glaucoma following cataract extraction. Summers CG, et al. **Surv Ophthalmol** 1984 Jan-Feb;28(4):342–4

DRUG EFFECTS

The effect of timolol on the concentrations of albumin and IgG in the aqueous humor of the human eye. Stur M, et al. **Am J Ophthalmol** 1983 Dec;96(6):726–9
Role of Tromaril as anti-prostaglandin drug on blood aqueous barrier. Mehra KS, et al. **Ann Ophthalmol** 1984 Mar;16(3):272–3
Effects of adrenergic drugs on aqueous humour dynamics in the normal human eye. I. Salbutamol. Coakes RL, et al. **Br J Ophthalmol** 1984 Jun;68(6):393–7
Effect of clonidine on aqueous humor flow in normal human eyes. Lee DA, et al. **Exp Eye Res** 1984 Mar;38(3):239–46
The effect of prostaglandin inhibitors on the laser-induced disruption of blood aqueous barrier in the rabbit. Schrems W, et al. **Graefes Arch Clin Exp Ophthalmol** 1983; 221(2):61–4
Levels of cyclic-AMP, cyclic-GMP and betamethasone in the aqueous humor following topical administration of betamethasone in rabbit eyes. Baba S, et al. **Hiroshima J Med Sci** 1983 Sep;32(3):301–4
Effect of oral acetazolamide on human aqueous and serum electrolytes. Sharma RG, et al. **Indian J Ophthalmol** 1983 Sep;31(5):521–4
Studies on lamoxactam penetration into the aqueous humor of the human eye. Manthey KF, et al. **Infection** 1983 Jul-Aug;11(4):210–1
Effect of prostaglandin F2 alpha on aqueous humor dynamics of rabbit, cat, and monkey. Lee PY, et al. **Invest Ophthalmol Vis Sci** 1984 Sep;25(9):1087–93
Acute effects of topical phenylephrine on aqueous humor dynamics and corneal endothelial permeability in man. Araie M. **Jpn J Ophthalmol** 1983;27(2):340–5
Etamsylate (Dicynone) reduces aqueous humor formation and intraocular pressure in rabbits. Jozsa M. **Ophthalmic Res** 1983;15(5):265–7
Effect of glucocorticoids on the composition of the aqueous humour of the rabbit eye. Stárka L, et al. **Ophthalmic Res** 1984;16(4):190–3
Effect of ACTH on the composition of the aqueous humour of the rabbit eye. Stárka L, et al. **Ophthalmic Res** 1983; 15(5):257–60
Drug prevention of blood-aqueous barrier disruption. van Haeringen NJ, et al. **Ophthalmic Res** 1983;15(4):180–4
The mechanism of betaxolol, a new ocular hypotensive agent. Reiss GR, et al. **Ophthalmology** 1983 Nov;90(11):1369–72
[Relationship between the ocular effect of timolol and ocular prostaglandins] Araie M, et al. **Nippon Ganka Gakkai Zasshi** 1983 Jul;87(7):468–72 (Eng. Abstr.) (Jpn)

ENZYMOLOGY

Lactate dehydrogenase level and protein pattern in the aqueous humour of patients with retinoblastoma. Das A, et al. **Can J Ophthalmol** 1983 Dec;18(7):337–9
Reduced fibrinolytic activity in aqueous humour in glaucoma. Mehra KS, et al. **Indian J Ophthalmol** 1983 Sep;31(5):592–3
[Studies on enzymatic activity in the aqueous humor] Stanojević-Paović A, et al. **Bull Mem Soc Fr Ophtalmol** 1983;95:550–3 (Fre)

IMMUNOLOGY

Activated complement in inflamed aqueous humor. Mondino BJ, et al. **Invest Ophthalmol Vis Sci** 1984 Jul;25(7):871–3
[IgG aqueous humor concentration and oligoclonal IgG in

intraocular inflammations] Quentin CD, et al. **Fortschr Ophthalmol** 1983;80(5):426–8 (Eng. Abstr.) **(Ger)**

METABOLISM

Piperacillin levels in human tears and aqueous humor. Woo FL, et al. **Am J Ophthalmol** 1984 Jul 15;98(1):17–20

Effective penetration of doxycycline into the serum and aqueous humor. Zachariah S. **Ann Ophthalmol** 1984 Jul; 16(7):672–4

Cefonicid concentrations in human aqueous humor. Axelrod JL, et al. **Arch Ophthalmol** 1984 Mar;102(3):433–4

Ocular pharmacokinetics of ceftriaxone following subconjunctival injection in rabbits. Jay WM, et al. **Arch Ophthalmol** 1984 Mar;102(3):430–2

Effect of lensectomy on the movement of tracers from vitreous to aqueous. Thompson JT, et al. **Arch Ophthalmol** 1984 Jul;102(7):1077–8

Amikacin levels in human aqueous humor. Radda TM, et al. **Arzneimittelforsch** 1983;33(11):1607–8

Pharmacokinetics of oral acyclovir (Zovirax) in the eye. Hung SO, et al. **Br J Ophthalmol** 1984 Mar;68(3):192–5

Pharmacokinetics and metabolism of 5–fluorouracil following subconjunctival versus intravenous administration. Rootman J, et al. **Can J Ophthalmol** 1984 Jun;19(4):187–91

Aqueous humor catecholamines. Cooper RL, et al. **Curr Eye Res** 1984 Jun;3(6):809–13

Biochemical studies on the use of sodium hyaluronate in the anterior eye segment. II. The molecular behavior of sodium hyaluronate injected into anterior chamber of rabbits. Miyauchi S, et al. **Curr Eye Res** 1984 Apr;3(4):611–7

Insulin concentration in aqueous humor of rabbits: effects of alloxan–diabetes and insulin treatment. Coulter JB 3d, et al. **Exp Eye Res** 1983 Aug;37(2):153–7

Distribution of radiolabelled azelaic cid in eye membranes and fluids of rabbits. Mingrone G, et al. **Exp Pathol** 1984; 25(2):85–8

Penetration of cefotaxime into the aqueous humour of the human eye after intravenous application. Quentin CD, et al. **Graefes Arch Clin Exp Ophthalmol** 1983;220(5):245–7

Pharmacokinetics and tissue penetration of ceftazidime: studies on lymph, aqueous humour, skin blister, cerebrospinal and pleural fluid. Walstad RA, et al. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:275–82

Evidence for an hereditary defect in taurine transport in the ciliary epithelium of an inbred strain of rabbits. Harris TM, et al. **J Inherited Metab Dis** 1983;6(4):163–6

Effects of contact lens wear on mitosis of corneal epithelium and lactate content in aqueous humor of rabbit. Hamano H, et al. **Jpn J Ophthalmol** 1983;27(3):451–8

Effect of timolol on the movement of water in the anterior chamber of the rabbit eye. Sopranzi N. **Methods Find Exp Clin Pharmacol** 1983 Dec;5(10):715–7

The effect of cataract surgery on the blood—aqueous barrier. Liesegang TJ, et al. **Ophthalmology** 1984 Apr;91(4):399–402

Effect of lysine–acetylsalicylate and phenylbutazone premedication on the protein content of secondary aqueous humour in the dog. Regnier A, et al. **Res Vet Sci** 1984 Jul;37(1):26–9

[Passage of ceftriaxone in the aqueous humor and tears. Comparison with other beta–lactams] Mounier M, et al. **Pathol Biol (Paris)** 1984 May;32(5):335–7 (Eng. Abstr.) **(Fre)**

[Tobramycin levels in human aqueous humor and plasma after intravenous and subconjunctival administration] Sinues B, et al. **Therapie** 1983 Jul–Aug;38(4):345–53 (Eng. Abstr.) **(Fre)**

[Pharmacokinetic studies after gentamicin injections into the anterior chamber of rabbits] Härting F, et al. **Fortschr Ophthalmol** 1983;80(2):152–4 (Eng. Abstr.) **(Ger)**

[Filtration and local synthesis of proteins in human aqueous humour and cerebrospinal fluid] Hartmann C, et al. **Fortschr Ophthalmol** 1983;80(2):103–7 (Eng. Abstr.) **(Ger)**

[Lens protein degrading activity in the aqueous humor] Hayasaka S, et al. **Nippon Ganka Gakkai Zasshi** 1983; 87(12):1463–5 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Effects of laser trabeculoplasty on the human aqueous humor dynamics: a fluorophotometric study. Araie M, et al. **Ann Ophthalmol** 1984 Jun;16(6):540–2, 544

Consensual reactions of human blood–aqueous barrier to implant operations. Miyake K, et al. **Arch Ophthalmol** 1984 Apr;102(4):558–61

Corynanthine and aqueous humor dynamics in rabbits and monkeys. Serle JB, et al. **Arch Ophthalmol** 1984 Sep; 102(9):1385–8

Aqueous humor as a modulator of growth in fibroblast cultures. Burke J, et al. **Curr Eye Res** 1982–83;2(12):835–41

Aqueous outflow in the beagle. I. Postnatal morphologic development of the iridocorneal angle: pectinate ligament and uveal trabecular meshwork. Samuelson DA, et al. **Curr Eye Res** 1984 Jun;3(6):783–94

Aqueous outflow in the beagle. II. Postnatal morphologic development of the iridocorneal angle: corneoscleral trabecular meshwork and angular aqueous plexus. Samuelson DA, et al. **Curr Eye Res** 1984 Jun;3(6):795–807

Aqueous humor outflow. Kaufman PL. **Curr Top Eye Res** 1984;4:97–138 (170 ref.)

Flow–pressure relationship in perfusion studies of the living primate eye. Mahler Y, et al. **Doc Ophthalmol** 1984 Feb 29;56(4):363–76

The effects of body immersion on aqueous humor dynamics in rabbits. Nichols PF, et al. **Exp Eye Res** 1984 Jan; 38(1):81–6

Iris delay, a neglected factor in aqueous humour dynamics. A study in the cynomolgus monkey (Macaca fascicularis). Wilson WS, et al. **Exp Eye Res** 1983 Sep;37(3):293–301

The effect of YAG laser iridotomy on the blood aqueous barrier in the rabbit. Schrems W, et al. **Graefes Arch Clin Exp Ophthalmol** 1984;221(4):179–81

The time course of laser–induced disruption of the blood aqueous barrier in the rabbit. Schrems W, et al. **Graefes Arch Clin Exp Ophthalmol** 1983;221(2):65–7

The effect of isoproterenol on aqueous humor formation in humans. Brubaker RF, et al. **Invest Ophthalmol Vis Sci** 1984 Mar;25(3):357–9

Forskolin lowers intraocular pressure by reducing aqueous inflow. Caprioli J, et al. **Invest Ophthalmol Vis Sci** 1984 Mar;25(3):268–77

Influence of mercurial sulfhydryl agents on aqueous outflow pathways in enucleated eyes. Freddo TF, et al. **Invest Ophthalmol Vis Sci** 1984 Mar;25(3):278–85

Glucocorticoid target cells in human outflow pathway: autopsy and surgical specimens. Hernandez MR, et al. **Invest Ophthalmol Vis Sci** 1983 Dec;24(12):1612–6

Coagulation properties of intraocular humors and cerebrospinal fluid. Khodadoust AA, et al. **Invest Ophthalmol Vis Sci** 1983 Dec;24(12):1616–9

Exogenous hyaluronidases and degradation of hyaluronic acid in the rabbit eye. Knepper PA, et al. **Invest Ophthalmol Vis Sci** 1984 Mar;25(3):286–93

Aqueous outflow pathway complex carbohydrate synthesis in vitro. Knepper PA, et al. **Invest Ophthalmol Vis Sci** 1983 Dec;24(12):1546–51

The effect of vanadate on aqueous humor dynamics in cynomolgus monkeys. Podos SM, et al. **Invest Ophthalmol Vis Sci** 1984 Mar;25(3):359–61

Aqueous humor flow during sleep. Reiss GR, et al. **Invest Ophthalmol Vis Sci** 1984 Jun;25(6):776–8

Aqueous hyposecretion after penetrating keratoplasty. Berkowitz RA, et al. **Ophthalmic Surg** 1984 Apr; 15(4):323–4

Focal pressure: a new method to encourage filtration after trabeculectomy. Traverso CE, et al. **Ophthalmic Surg** 1984 Jan;15(1):62–5

[The effect of miotics on ocular hydrodynamics] Výborný P, et al. **Cesk Oftalmol** 1983 Nov;39(6):413–8 (Eng. Abstr.) **(Cze)**

[Origin and fate of the aqueous humor. Physiologic studies in the forefront of the etiology of glaucoma in the 1st quarter of the 20th century] Rudolph G. **Gesnerus** 1983; 40(3–4):241–8 (Eng. Abstr.) **(Ger)**

[Effects of the encircling procedure on aqueous flow rate. Fluorophotometric study] Araie M, et al. **Nippon Ganka Gakkai Zasshi** 1983;87(10):963–7 (Eng. Abstr.) **(Jpn)**

[Effects of anterior chamber irrigation on blood–aqueous barrier] Chou A, et al. **Nippon Ganka Gakkai Zasshi** 1983; 87(10):795–802 (Eng. Abstr.) **(Jpn)**

[Aqueous flow through anterior and posterior parts of the human trabecular meshwork] Inomata H, et al. **Nippon Ganka Gakkai Zasshi** 1983;87(12):1457–62 (Eng. Abstr.) **(Jpn)**

SECRETION

The arterially perfused enucleated rabbit eye as a model for studying aqueous humor formation. Kodama T, et al. **Ophthalmic Res** 1983;15(5):225–33

SURGERY

Neodymium–YAG laser for posterior capsulotomy. Terry AC, et al. **Am J Ophthalmol** 1983 Dec;96(6):716–20

ARA–A see **VIDARABINE**

ARA–C see **CYTARABINE**

ARABINOFURANOSYLADENINE see **VIDARABINE**

ARABINOFURANOSYLADENINE MONOPHOSPHATE see under **ARABINONUCLEOTIDES**

ARABINOFURANOSYLCYTOSINE see **CYTARABINE**

ARABINOFURANOSYLCYTOSINE TRIPHOSPHATE see under **ARABINONUCLEOTIDES**

ARABINOFURANOSYLNUCLEOSIDES see **ARABINONUCLEOSIDES**

ARABINOFURANOSYLNUCLEOTIDES see **ARABINONUCLEOTIDES**

ARABINOFURANOSYLURACIL see under **URIDINE**

ARABINONUCLEOSIDES

Synthesis of 3–hydroxy–2– and –4–pyridone nucleosides as potential antitumor agents. Mao DT, et al. **J Med Chem** 1984 Feb;27(2):160–4

ADMINISTRATION & DOSAGE

Thymine arabinoside (Ara–T) topical and iontophoretic application for herpes simplex virus type 1 and type 2 skin infections in hairless mice. Hill JM, et al. **Methods Find Exp Clin Pharmacol** 1984 Jan;6(1):17–20

BLOOD

High–performance liquid chromatographic analysis of hypoxanthine arabinoside in plasma. Smith GA, et al. **J Chromatogr** 1984 May 11;307(2):410–5

PHARMACODYNAMICS

The inhibition of ultraviolet radiation–induced DNA repair in human diploid fibroblasts by arabinofuranosyl nucleosides. Snyder RD, et al. **Chem Biol Interact** 1984 Jun;50(1):1–14

TOXICITY

Sensitivity of T–leukemic cells to deoxyguanosine and arabinosyl guanine. Gelfand EW, et al. **Adv Exp Med Biol** 1984;165 Pt B:309–14

Specific cytotoxicity of arabinosylguanine toward cultured T lymphoblasts. Ullman B, et al. **J Clin Invest** 1984 Sep; 74(3):951–5

ARABINONUCLEOTIDES

METABOLISM

Stability of vidarabine–5'–phosphate in aqueous solutions. Hong WH, et al. **J Pareuter Sci Technol** 1984 Mar–Apr; 38(2):60–4

PHARMACODYNAMICS

Comparison of the antiviral effects of 5–methoxymethyldeoxyuridine–5'–monophosphate with adenine arabinoside–5'–monophosphate. Ayisi NK, et al. **Antiviral Res** 1983 Sep;3(3):161–74

Inhibition of the herpes simplex virus–coded thymidine kinase–complex by 9–beta–D–arabinofuranosyladenine 5'–monophosphate (ara–AMP) and 9–(2–hydroxyethoxymethyl)guanine–monophosphate (acyclo–GMP). Labenz J, et al. **Arch Virol** 1984; 81(3–4):205–12

Inhibition of nuclear envelope nucleoside triphosphatase–regulated nucleocytoplasmic messenger RNA translocation by 9–beta–D–arabinofuranosyladenine 5'–triphosphate in rodent cells. Schröder HC, et al. **Cancer Res** 1984 Sep;44(9):3812–9

Effects of 9–beta–D–arabinofuranosyl–guanine–5'–triphosphate on adenylate cyclase: comparison with GTP and GPP(NH)P. McMahon KK, et al. **J Cyclic Nucleotide Protein Phosphor Res** 1983; 9(4–5):319–29

Inhibition of salvage pathway enzymes by adenine arabinoside 5'–monophosphate (ara–AMP). Becher HJ, et al. **Klin Wochenschr** 1983 Aug 1;61(15):751–7

THERAPEUTIC USE

Effects on human peripheral lymphocytes of in vivo administration of 9–beta–D–arabinofuranosyl–2–fluoroadenine–5'–monophos (NSC 312887), a new purine antimetabolite. Boldt DH, et al. **Cancer Res** 1984 Oct;44(10):4661–6

Randomized controlled trial of adenine arabinoside monophosphate for chronic type B hepatitis. Hoofnagle JH, et al. **Gastroenterology** 1984 Jan;86(1):150–7

Comparative use of adenine arabinoside and adenine arabinoside monophosphate in varicella and disseminated zoster in immunosuppressed patients. Vilde JL, et al. **J Med Virol** 1983;12(2):149–53

TOXICITY

Phase I clinical investigation of 9–beta–D–arabinofuranosyl–2–fluoroadenine 5'–monophosphate (NSC 312887), a new purine antimetabolite. Hutton JJ, et al. **Cancer Res** 1984 Sep; 44(9):4183–6

ARABINOSE

ANALOGS & DERIVATIVES

Mycobacteria arabinolipids as potential endotoxins: their activity on mitochondrial oxidative phosphorylation. Rouanet JM, et al. **Ann Microbiol (Paris)** 1983 Sep–Oct; 134(2):233–9

ANALYSIS

Agrocinopine A, a tumor–inducing plasmid–coded enzyme product, is a phosphodiester of sucrose and L–arabinose. Ryder MH, et al. **J Biol Chem** 1984 Aug 10;259(15):9704–10

GENETICS

The araE low affinity L–arabinose transport promoter. Cloning, sequence, transcription start site and DNA

binding sites of regulatory proteins. Stoner C, et al. **J Mol Biol** 1983 Dec 25;171(4):369–81
Validation of the Salmonella (SV50)/arabinose–resistant forward mutation assay system with 26 compounds. Xu J, et al. **Mutat Res** 1984 Apr;130(2):79–86

METABOLISM

Differential patterns of arabinosylation by membranes of suspension–cultured cells of Phaseolus vulgaris (French bean) after subculture or elicitation. Bolwell GP. **Biochem J** 1984 Sep 1;222(2):427–35
Functional limits of the araIc promoter suggest an additional regulatory site for araBAD expression. Horwitz AH, et al. **J Bacteriol** 1984 Apr;158(1):141–7
Genetic characterization of Salmonella typhimurium LT2 ara mutations. Lee JH, et al. **J Bacteriol** 1984 Apr;158(1):344–6
Five mutations in the promoter region of the araBAD operon of Escherichia coli B/r. Miyada CG, et al. **J Bacteriol** 1983 Nov;156(2):765–72
Thermodynamics of the binding of L–arabinose and of D–galactose to the L–arabinose–binding protein of Escherichia coli. Fukada H, et al. **J Biol Chem** 1983 Nov 10;258(21):13193–8
Structural study of hinge bending in L–arabinose–binding protein. Mao B, et al. **J Biol Chem** 1984 Apr 25; 259(8):4964–70
Theoretical study of hinge bending in L–arabinose–binding protein. Internal energy and free energy changes. Mao B, et al. **J Biol Chem** 1983 Oct 25;258(20):12543–7

PHARMACODYNAMICS

L–Arabinose is not a gratuitous inducer of alpha–galactosidase from Saccharomyces carlsbergensis. Cármenes RS, et al. **Arch Microbiol** 1984 Jan;137(1):10–3
Hyperosmotic arabinose solutions open the tight junctions between brain capillary endothelial cells in tissue culture. Dorovini–Zis K, et al. **Brain Res** 1984 Jun 8;302(2):383–6
Blood–brain barrier disruption in immature Fischer 344 rats. Bullard DE, et al. **J Neurosurg** 1984 Apr;60(4):743–50

TOXICITY

Comparison of a forward and a reverse mutation assay in Salmonella typhimurium measuring L–arabinose resistance and histidine prototrophy. Ruiz–Rubio M, et al. **EMBO J** 1984 Jun;3(6):1435–40

ARABINOSYLADENINE see VIDARABINE

ARABINOSYLCYTOSINE see CYTARABINE

ARABINOSYL–6–MERCAPTOPURINE see under MERCAPTOPURINE

ARACHIDIC ACIDS see EICOSANOIC ACIDS

ARACHIDONIC ACIDS

Production of 5– and 15–hydroperoxyeicosatetraenoic acid from arachidonic acid by halothane–free radicals generated by UV–irradiation. Bösterling B, et al. **Anesthesiology** 1984 Mar;60(3):209–13
Non–chemokinetic neutrophil attractants derived from arachidonic acid. Turner SR, et al. **Cell Biol Int Rep** 1983 Oct;7(10):843–8
Albumin stabilizes 14,15–leukotriene A4. Haeggström J, et al. **FEBS Lett** 1983 Nov 28;164(1):181–4
Arachidonic acid epoxides. Demonstration through [18O]oxygen studies of an intramolecular transfer of the terminal hydroxyl group of (12S)–hydroperoxyeicosa–5,8,10,14–tetraenoic acid to form hydroxyepoxides. Pace–Asciak CR. **J Biol Chem** 1984 Jul 10;259(13):8332–7
Effects of temperature on arachidonic acid–induced cellular edema and membrane perturbation in rat brain cortical slices. Chan PH, et al. **J Neurochem** 1983 Dec;41(6):1550–7
Formation and actions of leukotrienes. Piper PJ. **Physiol Rev** 1984 Apr;64(2):744–61 (109 ref.)
Role of thromboxanes and prostaglandin endoperoxides in the pathogenesis of eicosanoid induced sudden death. Lefer AM, et al. **Thromb Res** 1983 Nov 1;32(3):311–20

ADMINISTRATION & DOSAGE

Renal venous and urinary PGE2 output during intrarenal arachidonic acid infusion in dogs. Sejersted OM, et al. **Acta Physiol Scand** 1984 Jul;121(3):249–59

ANALYSIS

Source of prostaglandin precursor in human fetal membranes: arachidonic acid content of amnion and chorion laeve in diamnionic–dichorionic twin placentas. Okita JR, et al. **Am J Obstet Gynecol** 1983 Nov 1;147(5):477–82
Decrease in arachidonoyl–containing phosphatidylinositols in pancreas of rats fed an ethanol–containing diet. Cronholm T, et al. **Biochem Pharmacol** 1984 Apr 1; 33(7):1105–9
High plasmalogen and arachidonic acid content of canine myocardial sarcolemma: a fast atom bombardment mass spectroscopic and gas chromatography–mass spectroscopic characterization. Gross RW. **Biochemistry** 1984 Jan 3; 23(1):158–65
Arachidonic acid and prostaglandin levels in dithranol erythema: time course study. Barr RM, et al. **Br J Clin Pharmacol** 1983 Dec;16(6):715–7
Determination of cis,cis–methylene interrupted polyunsaturated fatty acids in aqueous solutions by lipoxygenase chemiluminescence. Laakso S, et al. **J Biochem Biophys Methods** 1984 Mar;9(1):61–8
Rapid and simple method for the detection of nanogram amounts of arachidonate metabolites resolved by thin–layer chromatography. Chiarugi V, et al. **J Chromatogr** 1983 Dec 16;280(2):400–3
A lack of correlation between linoleate and arachidonate in human breast milk. Gibson RA, et al. **Lipids** 1984 Jun; 19(6):469–71
Elevated levels of arachidonic acid in fish from northern Australian coastal waters. Sinclair AJ, et al. **Lipids** 1983 Dec;18(12):877–81
Assays of lipoxygenase, 1,4–pentadiene fatty acids, and O2 concentrations: chemiluminescence methods. Laakso S, et al. **Methods Enzymol** 1984;105:126–30
Development of a radioimmunoassay for 15–HETE and its application to 15–HETE production by reticulocytes. Bryant RW, et al. **Prostaglandins** 1983 Sep;26(3):375–86
The amount of arachidonic acid in the triacylglycerols of perfused hamster lungs is increased by prednisolone. Puustinen T, et al. **Prostaglandins** 1983 Aug;26(2):155–63
Age–dependent alterations of linoleic, arachidonic and eicosapentaenoic acids in renal cortex and medulla of spontaneously hypertensive rats. Singer P, et al. **Prostaglandins** 1984 Mar;27(3):375–90

ANTAGONISTS & INHIBITORS

Effects of inhibitors of arachidonic acid metabolism on thromboplastin activity in human monocytes. Crutchley DJ. **Biochem Biophys Res Commun** 1984 Feb 29; 119(1):179–84
Oxygen radicals mediate the cerebral arteriolar dilation from arachidonate and bradykinin in cats. Kontos HA, et al. **Circ Res** 1984 Sep;55(3):295–303
The effects of molsidomine and its metabolite SIN–1 on coronary vessel tone, platelet aggregation, and eicosanoid formation in vitro—inhibition of 12–HPETE biosynthesis. Darius H, et al. **J Cardiovasc Pharmacol** 1984 Jan–Feb; 6(1):115–21
Contractile responses of mammalian cerebral arteries to 15–hydroperoxyarachidonic acid vary in the presence of fusaric acid and verapamil. Asano M, et al. **Pharmacology** 1984;28(5):251–61
Carbocromen inhibits arachidonic acid–induced platelet aggregation and TXA2 formation. Heinroth I, et al. **Prostaglandins Leukotrienes Med** 1984 Apr;14(1):13–4

BIOSYNTHESIS

Lipoxygenase pathways. Taylor GW, et al. **Br Med Bull** 1983 Jul;39(3):219–22 (25 ref.)
Products derived from 5,8,11–eicosatrienoic acid by the 5–lipoxygenase–leukotriene pathway. Jakschik BA, et al. **J Biol Chem** 1983 Nov 10;258(21):12797–800
Characterization of 11–HETE and 15–HETE, together with prostacyclin, as major products of the cyclooxygenase pathway in cultured rat aorta smooth muscle cells. Bailey JM, et al. **J Lipid Res** 1983 Nov;24(11):1419–28
Effect of dietary fatty acids on delta 5 desaturase activity and biosynthesis of arachidonic acid in rat liver microsomes. de Gomez Dumm IN, et al. **Lipids** 1983 Nov; 18(11):781–8
Arachidonic acid cascade and anti–hypoxic drugs. Nikolov R. **Methods Find Exp Clin Pharmacol** 1984 May;6(5):231–4
Biosynthesis and role of arachidonic acid metabolites in glomerulonephritis. Lianos EA. **Nephron** 1984;37(2):73–7 (39 ref.)
Enzyme with dual lipoxygenase activities catalyzes leukotriene A4 synthesis from arachidonic acid. Shimizu T, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(3):689–93
Characterization of leukotriene A4 and B4 biosynthesis. Jakschik BA, et al. **Prostaglandins** 1983 Jun;25(6):767–82
Characteristics of leukotriene (LT) and hydroxy eicosatetraenoic acid (HETE) synthesis in human leukocytes in vitro: effect of arachidonic acid concentration. Fruteau de Laclos B, et al. **Prostaglandins Leukotrienes Med** 1984 Jan;13(1):47–52
[Biosynthesis of leukotriene and its inhibition] Koshihara Y. **Seikagaku** 1983;55(6):388–93 (18 ref.) (Jpn)

BLOOD

Serum arachidonic acid levels in normal and preeclamptic pregnancies. Ogburn PL Jr, et al. **Am J Obstet Gynecol** 1984 Jan 1;148(1):5–9
Effect of docosahexaenoic acid (DHA) on arachidonic acid metabolism and platelet function. Rao GH, et al. **Biochem Biophys Res Commun** 1983 Dec 16;117(2):549–55
Trihydroxytetraenes: a novel series of compounds formed from arachidonic acid in human leukocytes. Serhan CN, et al. **Biochem Biophys Res Commun** 1984 Feb 14; 118(3):943–9
Effect of ethinylestradiol on arachidonic acid incorporation, release, and conversion to prostaglandins in rabbit platelets. Skjaerlund JM, et al. **Biochem Med** 1983 Dec;30(3):357–62
The inhibition of arachidonic acid metabolism in human platelets by RHC 80267, a diacylglycerol lipase inhibitor. Oglesby TD, et al. **Biochim Biophys Acta** 1984 Apr 18; 793(2):269–77
Metabolism of arachidonic acid by human neutrophils. Characterization of the enzymatic reactions that lead to the synthesis of leukotriene B4. Sun FF, et al. **Biochim Biophys Acta** 1984 Jun 6;794(1):56–64
Intense rises of unesterified arachidonate plasma levels in stressed humans. Deby–Dupont G, et al. **Biomed Pharmacother** 1983;37(8):386–91
Linoleic acid and arachidonic acid metabolism in human peripheral blood leucocytes: comparison with the rat. Cunnane SC, et al. **Br J Nutr** 1984 Mar;51(2):209–17
Arachidonate metabolism, 5–hydroxytryptamine release and aggregation in human platelets activated by palmitaldehyde acetal phosphatidic acid. Brammer JP, et al. **Br J Pharmacol** 1984 May;82(1):61–72
Effects of mild physical exercise on serum lipoproteins and metabolites of arachidonic acid: a controlled randomised trial in middle aged men. Rauramaa R, et al. **Br Med J [Clin Res]** 1984 Feb 25;288(6417):603–6
Increased arachidonic acid incorporation into platelet phospholipids in type 2 (non–insulin–dependent) diabetes. Takahashi R, et al. **Diabetologia** 1984 Feb;26(2):134–7
Specific leukotriene formation by purified human eosinophils and neutrophils. Verhagen J, et al. **FEBS Lett** 1984 Mar 12;168(1):23–8
On the mechanism of biosynthesis of 5– and 15–series leukotrienes. Brash AR, et al. **J Allergy Clin Immunol** 1984 Sep;74(3 Pt 2):316–23
Heterogeneity in leukocyte preparations: effects on defining eicosanoid metabolism by human lymphocytes and monocytes. Goldyne ME. **J Allergy Clin Immunol** 1984 Sep;74(3 Pt 2):331–7
Production of metabolic products of arachidonic acid during cell–cell interactions. Marcus AJ, et al. **J Allergy Clin Immunol** 1984 Sep;74(3 Pt 2):338–42
Metabolism of leukotriene A4 by human erythrocytes. A novel cellular source of leukotriene B4. Fitzpatrick F, et al. **J Biol Chem** 1984 Sep 25;259(18):11403–7
Arachidonic acid metabolism among human mononuclear leukocytes. Lipoxygenase–related pathways. Goldyne ME, et al. **J Biol Chem** 1984 Jul 25;259(14):8815–9
Activation of phospholipase C is dissociated from arachidonate metabolism during platelet shape change induced by thrombin or platelet–activating factor. Epinephrine does not induce phospholipase C activation or platelet shape change. Siess W, et al. **J Biol Chem** 1984 Jul 10;259(13):8286–92
Omega–hydroxylation of 12–L–hydroxy–5,8,10,14–eicosatetraenoic acid in human polymorphonuclear leukocytes. Wong PY, et al. **J Biol Chem** 1984 Feb 25;259(4):2383–6
Exercise–induced increase in plasma arachidonic acid and thromboxane B2 in healthy men: effect of beta–adrenergic blockade. Laustiola K, et al. **J Cardiovasc Pharmacol** 1984 May–Jun;6(3):449–54
Simple single–step high–performance liquid chromatographic method for the separation of cyclooxygenase and lipoxygenase enzyme metabolites of arachidonic acid. Cockrell CS, et al. **J Chromatogr** 1984 Jun 8;308:316–21
Possible role of arachidonic acid and of phospholipase A2 in the control of lysosomal enzyme release from human polymorphonuclear leukocytes. Marone G, et al. **J Clin Lab Immunol** 1983 Oct;12(2):111–6
1–O–alkyl–linked glycerophospholipids of human neutrophils: distribution of arachidonate and other acyl residues in the ether–linked and diacyl species. Mueller HW, et al. **J Lipid Res** 1984 Apr;25(4):383–8
Zinc deficiency affects neither platelet arachidonic acid metabolism nor platelet aggregation in rats. Hwang DH, et al. **J Nutr** 1984 Feb;114(2):398–403
Enhanced incorporation of exogenous arachidonic acid into phosphatidylinositol and other phospholipids during the early stages of thrombin–induced aggregation in gerbil platelets. Agwu DE, et al. **Lipids** 1983 Dec;18(12):859–62
1–O–alkyl–linked phosphoglycerides of human platelets: distribution of arachidonate and other acyl residues in the ether–linked and diacyl species. Mueller HW, et al. **Lipids** 1983 Nov;18(11):814–9
Dietary habits and cardiovascular diseases (I). The mortality rate from cerebrovascular and cardiovascular diseases and the eicosapentaenoic acid and arachidonic acid ratio in the blood of the inland– and coast–dwellers in Japan. Omoto M, et al. **Nippon Eiseigaku Zasshi** 1984 Feb;38(6):887–98
Arachidonate metabolism by human polymorphonuclear leukocytes stimulated by N–formyl–Met–Leu–Phe or complement component C5a is independent of phospholipase activation. Clancy RM, et al. **Proc Natl Acad Sci USA** 1983 Dec;80(23):7200–4
12S,20–dihydroxyicosatetraenoic acid: a new icosanoid synthesized by neutrophils from 12S–hydroxyicosatetraenoic acid produced by thrombin– or collagen–stimulated platelets. Marcus AJ, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(3):903–7
Lipoxins: novel series of biologically active compounds formed from arachidonic acid in human leukocytes. Serhan CN, et al. **Proc Natl Acad Sci USA** 1984 Sep;81(17):5335–9
Formation of leukotrienes and hydroxy acids by human neutrophils and platelets exposed to monosodium urate. Serhan CN, et al. **Prostaglandins** 1984 Apr;27(4):563–81
Serum prostaglandin precursors after vaginal examination and amniotomy. Erkkola R, et al. **Prostaglandins Leukotrienes Med** 1984 Mar;13(3):307–10

Characteristics of leukotriene (LT) and hydroxy eicosatetraenoic acid (HETE) synthesis in human leukocytes in vitro: effect of arachidonic acid concentration. Fruteau de Laclos B, et al. **Prostaglandins Leukotrienes Med** 1984 Jan;13(1):47–52

Specific binding of 15 HETE to lymphocytes. Effects on the fluidity of plasmatic membranes. Mexmain S, et al. **Prostaglandins Leukotrienes Med** 1984 Jan;13(1):93–7

Comparative effects of indomethacin, acetylenic acids, 15-HETE, nordihydroguaiaretic acid and BW755C on the metabolism of arachidonic acid in human leukocytes and platelets. Salari H, et al. **Prostaglandins Leukotrienes Med** 1984 Jan;13(1):53–60

Altered arachidonate metabolism by leukocytes and platelets in myeloproliferative disorders. Takayama H, et al. **Prostaglandins Leukotrienes Med** 1983 Nov;12(3):261–72

[Inhibiting action of anti-arrhythmia agents of the phenothiazine series—etmozin and its diethylamino analog—on platelet aggregation and metabolism of endogenous arachidonic acid] Mazurov AV, et al. **Biull Eksp Biol Med** 1984 Jan;97(1):63–5 (Eng. Abstr.) **(Rus)**

[Changes in linoleic and arachidonic acids in the immediate neonatal period] Sanjurjo P, et al. **An Esp Pediatr** 1984 Mar 15;20(4):355–60 (Eng. Abstr.) **(Spa)**

CEREBROSPINAL FLUID

Appearance of 5-hydroxy eicosatetraenoic acid in cerebrospinal fluid after subarachnoid haemorrhage. Nakamura T, et al. **Med Biol** 1984;62(2):125–8

CHEMICAL SYNTHESIS

Production of 5- and 15-hydroperoxyeicosatetraenoic acid from arachidonic acid by halothane-free radicals generated by UV-irradiation. Bösterling B, et al. **Anesthesiology** 1984 Mar;60(3):209–13

Arachidonic acid epoxides. Demonstration through [18O]oxygen studies of an intramolecular transfer of the terminal hydroxyl group of (12S)-hydroperoxyeicosa-5,8,10,14-tetraenoic acid to form hydroxyepoxides. Pace-Asciak CR. **J Biol Chem** 1984 Jul 10;259(13):8332–7

DEFICIENCY

Effects of dietary arachidonate deficiency on the aggregation of cat platelets. MacDonald ML, et al. **Comp Biochem Physiol [C]** 1984;78(1):123–6

Function of the arachidonate-deficient spontaneously hypertensive rat kidney. Steele TH, et al. **Miner Electrolyte Metab** 1984;10(1):5–11

IMMUNOLOGY

Macrophage function in the Schistosoma mansoni egg-induced pulmonary granuloma. Role of arachidonic acid metabolites in macrophage Ia antigen expression. Kunkel SL, et al. **Am J Pathol** 1984 Feb;114(2):240–9

ISOLATION & PURIFICATION

Separation of major prostaglandins, leukotrienes, and monoHETEs by high performance liquid chromatography. Peters SP, et al. **J Immunol Methods** 1983 Nov 25; 64(3):335–43

The separation of leukotrienes and hydroxyeicosatetraenoic acid metabolites of arachidonic acid by high performance liquid chromatography (HPLC). Osborne DJ, et al. **Prostaglandins** 1983 Nov;26(5):817–32

METABOLISM

Intraocular effects of lipoxygenase pathway products in arachidonic acid metabolism. Stjernschantz J, et al. **Acta Ophthalmol (Copenh)** 1984 Feb;62(1):104–11

The effect of low-, medium- and high-tar cigarette smoke on the fate of arachidonic acid in isolated hamster lungs. Matintalo M, et al. **Acta Pharmacol Toxicol (Copenh)** 1983 Oct;53(4):280–7

Effect of arachidonic acid metabolism on the release of histamine and SRS (leukotrienes) from guinea-pig lung. Chakravarty N. **Agents Actions** 1984 Apr;14(3–4):429–34

Macrophage regulation by arachidonic acid metabolites: can this physiological control process serve as a model for novel pharmacotherapy of immuno-inflammatory conditions? Bonta IL. **Agents Actions [Suppl]** 1984;14:5–19

The metabolism of arachidonic and linoleic acid in rabbit peritoneal tissue: a short review. Coene MC, et al. **Agents Actions [Suppl]** 1984;14:227–35 (17 ref.)

Correlation of prostacyclin synthesis by human umbilical artery with status of essential fatty acid. Ongari MA, et al. **Am J Obstet Gynecol** 1984 Jun 15;149(4):455–60

Cyclooxygenase products and cyclic nucleotide levels with infusion of arachidonic acid, PGI2, PGE2, PGF2, and 6-keto-PGF1 in an isolated dog lung. Littner M, et al. **Am Rev Respir Dis** 1983 Nov;128(5):868–74

Renal arachidonic acid metabolism. Currie MG, et al. **Annu Rev Physiol** 1984;46:327–41 (130 ref.)

Arachidonic acid epoxidation: epoxyeicosatrienoic acids are endogenous constituents of rat liver. Capdevila J, et al. **Arch Biochem Biophys** 1984 Jun;231(2):511–7

Turnover of lipid-bound arachidonate and biosynthesis of prostanoids in the endometrium and myometrium of the laying hen. Tóth M, et al. **Arch Biochem Biophys** 1983 Oct 1;226(1):27–36

Cytochrome P-450-dependent production of chemotactic arachidonate metabolites from human neutrophils. Czarnetzki BM, et al. **Arch Dermatol Res** 1984;276(4):243–5

Release of lipoxygenase products of arachidonic acid from freshly isolated human keratinocytes. Grabbe J, et al. **Arch Dermatol Res** 1984;276(2):128–30

Arachidonic acid and prostanoids in suction blister fluid from psoriatic lesions and unaffected skin. Hensby C, et al. **Arch Dermatol Res** 1983;275(5):350–2

Identification and quantitation of arachidonic-acid metabolic products in rabbit, rat and human saliva. Rigas B, et al. **Arch Oral Biol** 1983;28(11):1031–5

Concentrations of arachidonic-acid metabolites in human mixed saliva are independent of flow rate. Rigas B, et al. **Arch Oral Biol** 1983;28(12):1135–7

Reversible inhibition of thromboxane A2 production by imidazole 2-hydroxybenzoate (ITF 182) in the arachidonic acid injected rat. A comparison with acetylsalicylic acid and indometacin. Pagella PG, et al. **Arzneimittelforsch** 1984; 34(5):597–8

Interaction of retinoids and bilirubin with the binding of arachidonic acid to human alpha-fetoprotein. Aussel C, et al. **Biochem Biophys Res Commun** 1984 Mar 30; 119(3):1122–7

Evidence for leukotriene A4 as an intermediate in the conversion of 5-HPETE to leukotriene B4 catalyzed by cytochrome P-450. Bösterling B, et al. **Biochem Biophys Res Commun** 1983 Sep 30;115(3):995–1001

Influence of thromboxane synthetase inhibitors on virus replication in human lung fibroblasts in vitro. Fitzpatrick FA, et al. **Biochem Biophys Res Commun** 1983 Oct 14; 116(1):264–71

Chronic regulation by thyrotropin of arachidonic acid incorporation in cholesteryl esters of cultured thyroid cells. Margotat A, et al. **Biochem Biophys Res Commun** 1984 Mar 15;119(2):537–42

Measles-virus-persistent infection in BGM cells. Modification of the incorporation of [3H]arachidonic acid and [14C]stearic acid into lipids. Anderton P, et al. **Biochem J** 1983 Sep 15;214(3):665–70

Bioconversion of arachidonic acid in the human gastrointestinal tract. Aly A, et al. **Biochem Med** 1984 Jun; 31(3):319–31

Bioconversion of arachidonic acid in human pregnant reproductive tissues. Christensen NJ, et al. **Biochem Med** 1983 Oct;30(2):162–80

Conversion of arachidonic acid to lipoxygenase products by human fetal tissues. Saeed SA, et al. **Biochem Med** 1983 Dec;30(3):322–7

Prostaglandins and cannabis—XIII. Cannabinoid-induced elevation of lipoxygenase products in mouse peritoneal macrophages. Burstein S, et al. **Biochem Pharmacol** 1984 Aug 15;33(16):2653–6

Modification of platelet function and arachidonic acid metabolism by bioflavonoids. Structure-activity relations. Landolfi R, et al. **Biochem Pharmacol** 1984 May 1; 33(9):1525–30

Inhibition in vitro of platelet aggregation and arachidonic acid metabolism by flavone. Mower RL, et al. **Biochem Pharmacol** 1984 Feb 1;33(3):357–63

Bradykinin-stimulated differential incorporation of arachidonic acid into lipids of kidney cortex and medulla. Raz A, et al. **Biochem Pharmacol** 1983 Oct 1;32(19):2843–6

Total profiling by GC/NICIMS of the major cyclo-oxygenase products from antigen and leukotriene-challenged guinea-pig lung. Robinson C, et al. **Biochem Pharmacol** 1984 Feb 1;33(3):395–400

Effects of inhibitors of arachidonic acid metabolism on calcium uptake and catecholamine release in cultured adrenal chromaffin cells. Sasakawa N, et al. **Biochem Pharmacol** 1984 Sep 1;33(17):2733–8

Efflux of gamma-aminobutyric acid from and appearance of free arachidonic acid inside synaptosomes. Asakura T, et al. **Biochim Biophys Acta** 1984 Jun 27;773(2):301–7

Characterization of arachidonic acid metabolic profiles in animal tissues by high-resolution gas chromatography-mass spectrometry. Chiabrando C, et al. **Biochim Biophys Acta** 1984 Jul 6;794(2):292–7

Induction by lysophospholipids of CoA-dependent arachidonyl transfer between phospholipids in rat platelet homogenates. Colard O, et al. **Biochim Biophys Acta** 1984 Mar 27;793(1):42–8

Regulation of arachidonic acid metabolism in Madin-Darby canine kidney cells. Comparison of A23187 and 12-O-tetradecanoyl-phorbol-13-acetate. Daniel LW, et al. **Biochim Biophys Acta** 1984 Jan 17;792(1):33–8

Analysis of prostaglandins formed from endogenous and exogenous arachidonic acid in homogenates of human reproductive tissues. Dimov V, et al. **Biochim Biophys Acta** 1983 Nov 1;754(1):38–43

Arachidonic acid metabolic pathways in the rabbit pericardium. Honda A, et al. **Biochim Biophys Acta** 1984 Jul 26;794(3):403–10

Changes of arachidonic acid and n-3 polyunsaturated fatty acids of phospholipid classes in liver, plasma and platelets during dietary fat manipulation. Iritani N, et al. **Biochim Biophys Acta** 1984 May 11;793(3):441–7

Characterization of lipoxygenase metabolites of arachidonic acid in cultured human skin fibroblasts. Mayer B, et al. **Biochim Biophys Acta** 1984 Aug 15;795(1):151–61

Selective incorporation of docosahexaenoic acid in rat brain. Onuma Y, et al. **Biochim Biophys Acta** 1984 Mar 27; 793(1):80–5

Hemoglobin- and hemin-catalyzed transformation of 12L-hydroperoxy-5,8,10,14-eicosatetraenoic acid. Pace-Asciak CR. **Biochim Biophys Acta** 1984 May 11; 793(3):485–8

Arachidonic acid metabolism by rabbit synovial cells in culture. Studies of non-cyclooxygenase pathways. Rothenberg RJ, et al. **Biochim Biophys Acta** 1983 Sep 20; 753(2):257–65

Polycations as prostaglandin synthesis inducers. Stimulation of arachidonic acid release and prostaglandin synthesis in cultured fibroblasts by poly(L-lysine) and other synthetic polycations. Shier WT, et al. **Biochim Biophys Acta** 1984 Apr 18;793(2):238–50

Arachidonic acid metabolism in isolated pancreatic islets. I. Identification and quantitation of lipoxygenase and cyclooxygenase products. Turk J, et al. **Biochim Biophys Acta** 1984 Jun 6;794(1):110–24

Arachidonic acid metabolism in isolated pancreatic islets. II. The effects of glucose and of inhibitors of arachidonate metabolism on insulin secretion and metabolite synthesis. Turk J, et al. **Biochim Biophys Acta** 1984 Jun 6; 794(1):125–36

Arachidonic acid, 5,8,11-eicosatrienoic acid and 5,8,11,14,17-eicosapentaenoic acid. Dietary manipulation of the levels of these acids in rat liver and platelet phospholipids and their incorporation into human platelet lipids. Weiner TW, et al. **Biochim Biophys Acta** 1984 Mar 7;792(3):293–303

Are blastocyst prostaglandins produced endogenously? Racowsky C, et al. **Biol Reprod** 1983 Sep;29(2):379–88

Human amniotic membrane and prostaglandin biosynthesis. Kinoshita K, et al. **Biol Res Pregnancy Perinatol** 1984; 5(2):61–7

From studies of biochemical mechanism to novel biological mediators: prostaglandin endoperoxides, thromboxanes, and leukotrienes. Nobel Lecture, 8 December 1982. Samuelsson B. **Biosci Rep** 1983 Sep;3(9):791–813 (133 ref.)

Endogenous peroxidase in the nuclear envelope and endoplasmic reticulum of human monocytes in vitro: association with arachidonic acid metabolism. Deimann W, et al. **Blood** 1984 Aug;64(2):491–8

5'-Nucleotidase activity and arachidonate metabolism in doxorubicin sensitive and resistant P388 cells. Ramu A, et al. **Br J Cancer** 1984 Apr;49(4):447–51

Levels of arachidonic acid and its metabolites in the skin in human allergic and irritant contact dermatitis. Barr RM, et al. **Br J Dermatol** 1984 Jul;111(1):23–8

Platelet and vascular arachidonic acid metabolites: can they help detect a tendency towards thrombosis? [editorial] Patrono C, et al. **Br J Haematol** 1984 Jun;57(2):209–12

Effect of cyclosporin A and inhibitors of arachidonic acid metabolism on blood flow and cyclo-oxygenase products in rat skin allografts. Fan TP, et al. **Br J Pharmacol** 1984 Feb;81(2):361–71

Stimulation of endothelial prostacyclin production plays no role in endothelium-dependent relaxation of the pig aorta. Gordon JL, et al. **Br J Pharmacol** 1983 Sep;80(1):179–86

Asthma, aspirin and leukotrienes. Szczeklik A. **Bull Eur Physiopathol Respir** 1983 Nov-Dec;19(6):531–8 **(Eng, Fre)**

Arachidonate metabolism during chondrogenesis in vitro. Chepenik KP, et al. **Calcif Tissue Int** 1984 Mar;36(2):175–81

Effects of immunological sensitization on the responses and sensitivity of guinea pig airways to bronchoconstrictors. Modulation by selective inhibition of arachidonic acid metabolism. Saad MH, et al. **Can J Physiol Pharmacol** 1983 Aug;61(8):876–87

Prostaglandins in cancer: a review. Bockman RS. **Cancer Invest** 1983;1(6):485–93 (85 ref.)

Requirement for autologous cancer extracts and lipoxygenation of arachidonic acid for human T-cell responses in leukocyte adherence inhibition and transmembrane potential change assays. Shenouda G, et al. **Cancer Res** 1984 Mar;44(3):1238–45

Quantitation of arachidonic acid lipoxygenase products in malignant and nonmalignant effusions. Valone FH. **Cancer Res** 1983 Dec;43(12 Pt 1):5695–8

Demonstration of two unique metabolites of arachidonic acid from phorbol ester-stimulated bovine lymphocytes. Wrighton SA, et al. **Carcinogenesis** 1983 Oct;4(10):1247–51

From Auden to arachidonate: a tribute and a hypothesis. Weissmann G. **Cell Immunol** 1983 Nov;82(1):117–26 (25 ref.)

Accumulation of unesterified arachidonic acid in ischemic canine myocardium. Relationship to a phosphatidylcholine deacylation-reacylation cycle and the depletion of membrane phospholipids. Chien KR, et al. **Circ Res** 1984 Mar;54(3):313–22

Human mononuclear phagocytes from different anatomical sites differ in their capacity to metabolize arachidonic acid. Vicenzi E, et al. **Clin Exp Immunol** 1984 Aug;57(2):385–92

Differences in arachidonic acid metabolism and effects of aspirin between one- and two-kidney Goldblatt hypertensive rats. Dusting GJ, et al. **Clin Exp Pharmacol Physiol** 1983 May-Jun;10(3):355–60

Arachidonic acid metabolism and macrophage activation. Chensue SW, et al. **Clin Lab Med** 1983 Dec;3(4):677–94 (111 ref.)

Arachidonic acid metabolism and regulation of blood flow: effect of indomethacin on cutaneous and subcutaneous reactive hyperaemia in humans. Carlsson I, et al.

Clin Physiol 1983 Aug;3(4):365–73
Metabolites of arachidonic acid. Stenson WF, et al. Clin Rev Allergy 1983 Sep;1(3):369–84 (88 ref.)
Metabolites of arachidonic acid in psoriasis. Wilkinson DI. Cutis 1984 Apr;33(4):353, 358
Effects on glucose-induced insulin secretion of lipoxygenase-derived metabolites of arachidonic acid. Metz SA, et al. Diabetes 1984 Feb;33(2):119–24
Impact of insulin or tolbutamide treatment on 14C-arachidonic acid conversion to prostacyclin and/or thromboxane in lungs, aortas, and platelets of streptozotocin-induced diabetic rats. Valentovic MA, et al. Diabetes 1983 Sep;32(9):846–51
Thyrotropin (TSH)-releasing hormone decreases phosphatidylinositol and increases unesterified arachidonic acid in thyrotropic cells: possible early events in stimulation of TSH secretion. Kolesnick RN, et al. Endocrinology 1984 Feb;114(2):671–6
The acute inflammatory process, arachidonic acid metabolism and the mode of action of anti-inflammatory drugs. Higgins AJ, et al. Equine Vet J 1984 May;16(3):163–75 (143 ref.)
Acyltransferase-catalyzed cleavage of arachidonic acid from phospholipids and transfer to lysophosphatides in macrophages derived from bone marrow. Comparison of different donor- and acceptor substrate combinations. Flesch I, et al. Eur J Biochem 1984 Mar 15;139(3):431–7
Arachidonic acid metabolism and thyrotropin secretion in vitro. Canonico PL, et al. Eur J Pharmacol 1984 Feb 10; 98(1):45–52
The inflammatory reaction in an experimental model of open wounds in the rat. The effect of arachidonic acid metabolites. Lundberg C, et al. Eur J Pharmacol 1984 Jan 27;97(3–4):229–38
Partial preservation of motor function by inhibition of arachidonate metabolism in rats with phospholipase A2-induced caudate lesions. Beyer-Mears A, et al. Exp Neurol 1984 Mar;83(3):654–8
Effect of fatty acid anilides on the generation of arachidonic acid by human polymorphonuclear leukocytes. Gil MG, et al. FEBS Lett 1983 Oct 3;162(1):151–5
Islet-activating protein, pertussis toxin, inhibits Ca2+-induced and guanine nucleotide-dependent releases of histamine and arachidonic acid from rat mast cells. Nakamura T, et al. FEBS Lett 1984 Aug 6;173(2):414–8
Mobilization of arachidonic acid between diacyl and ether phospholipids in rabbit alveolar macrophages. Sugiura T, et al. FEBS Lett 1984 Jan 9;165(2):273–6
Oxidation of myoglobin in isolated adult rat cardiac myocytes by 15-hydroperoxy-5,8,11,13-eicosatetraenoic acid. Walters FP, et al. FEBS Lett 1983 Nov 14;163(2):292–6
Hydrocortisone inhibits prostaglandin production but not arachidonic acid release from cultured macrophages. Wood JN, et al. FEBS Lett 1984 Aug 20;174(1):143–6
Biosynthesis of lipoxygenase and cyclo-oxygenase products from [14C]-arachidonic acid by human colonic mucosa. Boughton-Smith NK, et al. Gut 1983 Dec;24(12):1176–82
Arachidonic acid metabolism in normal and hypereosinophilic syndrome human eosinophils: generation of leukotrienes B4, C4, D4 and 15-lipoxygenase products. Henderson WR, et al. Immunology 1984 Apr;51(4):679–86
Production of superoxide anion, prostaglandins, and hydroxyeicosatetraenoic acids by macrophages from hypersensitivity-type (Schistosoma mansoni egg) and foreign body-type granulomas. Chensue SW, et al. Infect Immun 1983 Dec;42(3):1116–25
Differential effects of putative lipoxygenase inhibitors on arachidonic acid metabolism in cell-free and intact cell preparations. Chang J, et al. Inflammation 1984 Jun; 8(2):143–55
Arachidonate metabolites in acute and chronic allergic air pouch inflammation in rats and the anti-inflammatory effects of indomethacin and dexamethasone. Ohuchi K, et al. Int Arch Allergy Appl Immunol 1984;75(2):157–63
Comparative study on the effects of acetylsalicylic acid, indomethacin and paracetamol on metabolites of arachidonic acid in plasma, serum and urine in man. Seppälä E, et al. Int J Clin Pharmacol Res 1983;3(4):265–9
Human anterior uvea synthesizes lipoxygenase products from arachidonic acid. Kulkarni PS, et al. Invest Ophthalmol Vis Sci 1984 Feb;25(2):221–3
Eicosapentaenoic acid: its effects on arachidonic acid metabolism by cells in culture. Levine L, et al. J Allergy Clin Immunol 1984 Sep;74(3 Pt 2):430–6
Oxygenation products of arachidonic acid: third messengers for insulin release. Metz SA, et al. J Allergy Clin Immunol 1984 Sep;74(3 Pt 2):391–402
Lipoxygenases and leukotrienes. Parker CW. J Allergy Clin Immunol 1984 Sep;74(3 Pt 2):343–8
The evolution and future horizons of research on the metabolism of arachidonic acid by 5-lipoxygenase. Piper PJ. J Allergy Clin Immunol 1984 Sep;74(3 Pt 2):441–4
Human and murine natural killer cell activity may require lipoxygenation of arachidonic acid. Seaman WE, et al. J Allergy Clin Immunol 1984 Sep;74(3 Pt 2):407–11
Oxidant- and lipid-induced pulmonary vasoconstriction mediated by arachidonic acid metabolites. Gurtner GH, et al. J Appl Physiol 1983 Sep;55(3):949–54
Coenzyme A-mediated arachidonic acid transacylation in human platelets. Kramer RM, et al. J Biol Chem 1984 Feb 25;259(4):2403–6
A mutant HSDM1C1 fibrosarcoma line selected for defective eicosanoid precursor uptake lacks arachidonate-specific acyl-CoA synthetase. Neufeld EJ, et al. J Biol Chem 1984 Feb 10;259(3):1986–92
A novel dioxygenation product of arachidonic acid possesses potent chemotactic activity for human polymorphonuclear leukocytes. Shak S, et al. J Biol Chem 1983 Dec 25; 258(24):14948–53
Modulation of insulin secretion by lipoxygenase products of arachidonic acid. Relation to lipoxygenase activity of pancreatic islets. Yamamoto S, et al. J Biol Chem 1983 Oct 25;258(20):12149–52
Analysis of 1,2-diols of linoleic, alpha-linolenic and arachidonic acid by gas chromatography—mass spectrometry using cyclic alkyl boronic esters. Oliw EH. J Chromatogr 1983 Jul 8;275(2):245–59
Prostaglandin I2 is not a major metabolite of arachidonic acid in cultured endothelial cells from human foreskin microvessels. Charo IF, et al. J Clin Invest 1984 Sep; 74(3):914–9
Arachidonic acid and prostaglandin endoperoxide metabolism in isolated rabbit and coronary microvessels and isolated and cultivated coronary microvessel endothelial cells. Gerritsen ME, et al. J Clin Invest 1983 Nov;72(5):1658–71
Arachidonate metabolism in vascular disorders. Majerus PW. J Clin Invest 1983 Nov;72(5):1521–5 (45 ref.)
Effect of platelet-activating factor and serum-treated zymosan on prostaglandin E2 synthesis, arachidonic acid release, and contraction of cultured rat mesangial cells. Schlondorff D, et al. J Clin Invest 1984 Apr;73(4):1227–31
Interferon inhibits prostaglandin biosynthesis in macrophages: effects on arachidonic acid metabolism. Boraschi D, et al. J Immunol 1984 Apr;132(4):1987–92
Lipid bodies: cytoplasmic organelles important to arachidonate metabolism in macrophages and mast cells. Dvorak AM, et al. J Immunol 1983 Dec;131(6):2965–76
Lipid bodies: cytoplasmic organelles important to arachidonate metabolism in macrophages and mast cells. Dvorak AM, et al. J Immunol 1984 Mar;132(3):2965–76
Macrophages release arachidonic acid, prostaglandin E2, and thromboxane in response to late complement components. Hänsch GM, et al. J Immunol 1984 Oct;133(4):2145–50
Arachidonic acid metabolism in purified human lung mast cells. Peters SP, et al. J Immunol 1984 Apr;132(4):1972–9
Effect of infrared irradiation on the recoverable levels of free arachidonic acid and prostaglandins in human forearm skin. Juhlin L, et al. J Invest Dermatol 1983 Oct; 81(4):297–300
Arachidonic acid and leukotrienes in dermatology. Kragballe K, et al. J Invest Dermatol 1983 Oct;81(4):293–6
Changes in arachidonic acid metabolism in UV-irradiated hairless mouse skin. Ruzicka T, et al. J Invest Dermatol 1983 Oct;81(4):300–3
Cellular interactions and exaggerated arachidonic acid metabolism in rabbit renal injury. Jonas PE, et al. J Leukocyte Biol 1984 Jan;35(1):55–64
Role of triglycerides in endothelial cell arachidonic acid metabolism. Denning GM, et al. J Lipid Res 1983 Aug; 24(8):993–1001
Pharmacological basis of therapeutics: eicosanoids—mediators of biological functions. Wolff DJ. J Med Soc NJ 1984 Jun;81(6):503–5
The relationship between arachidonic acid release and catecholamine secretion from cultured bovine adrenal chromaffin cells. Frye RA, et al. J Neurochem 1984 Jul; 43(1):146–50
Inhibition of immunoglobulin, but not polypeptide base-stimulated release of histamine and arachidonic acid by anti-inflammatory steroids. Heiman AS, et al. J Pharmacol Exp Ther 1984 Jul;230(1):175–82
Evidence for the involvement of arachidonic acid metabolites in spontaneous and drug-induced contractions of rat urinary bladder. Maggi CA, et al. J Pharmacol Exp Ther 1984 Aug;230(2):500–13
Release of arachidonate cascade products by the rabbit bladder; neurophysiological significance? Leslie CA, et al. J Urol 1984 Aug;132(2):376–9
Metabolism of arachidonate in rat testis: characterization of 26–30 carbon polyenoic acids. Grogan WM. Lipids 1984 May;19(5):341–6
Fatty acid metabolism and cell proliferation: IV. Effect of prostanoid biosynthesis from endogenous fatty acid release with cyclosporin-A. Lindsey JA, et al. Lipids 1983 Aug; 18(8):566–9
Arachidonic acid metabolites of human lymphatics. Sinzinger H, et al. Lymphology 1984 Jun;17(2):39–42
Arachidonic acid and eicosapentaenoic acid metabolism in platelets and vessel walls. Weber PC, et al. Med Biol 1984; 62(2):129
Altered arachidonic acid synthesis and lipid peroxidation in diabetes mellitus: possible roles in leukocyte dysfunction and other cellular defects. Metz SA. Med Hypotheses 1983 Dec;12(4):341–57 (91 ref.)
Evidence for phospholipase-arachidonic acid involvement in anaphylatoxin-induced smooth muscle contraction and histamine release from mast cells. Pison U, et al. Monogr Allergy 1983;18:206–10
Arachidonic acid release during IgE- and Ca2+ -ionophore activation of rat basophilic leukemia cells. Siraganian RP, et al. Monogr Allergy 1983;18:120–3 (9 ref.)
Effect of phytohemagglutinin-stimulated human lymphocytes on isolated rat atria. Participation of lipoxygenase products of arachidonic acid metabolism. Sterin-Borda L, et al. Naunyn Schmiedebergs Arch Pharmacol 1983 Sep; 324(1):58–63
Effects of postdecapitation ischemia on the metabolism of [14C]arachidonic acid and [14C]palmitic acid in the mouse brain. Pediconi MF, et al. Neurochem Res 1983 Jul; 8(7):835–45
Effect of hypoglycemia on the brain free fatty acid level and the uptake of fatty acids by phospholipids. Strosznajder J. Neurochem Res 1984 Apr;9(4):465–76
Arachidonic acid metabolism and prolactin secretion in vitro: a possible role for the lipoxygenase products. Canonico PL, et al. Neuroendocrinology 1983 Sep;37(3):212–7
The effect of indomethacin on ischemic brain edema. A study using cat middle cerebral artery occlusion combined with recirculation. Matsui T, et al. Neurol Med Chir (Tokyo) 1984 Jan;24(1):5–12
Effect of steroid hormones on arachidonic acid metabolites of endothelial cells. Witter FR, et al. Obstet Gynecol 1984 May;63(5):747–51
Anti-inflammatory activity of S-adenosyl-L-methionine: interference with the eicosanoid system. Gualano M, et al. Pharmacol Res Commun 1983 Jul;15(7):683–96
Arachidonic acid metabolism, the endocrine pancreas, and diabetes mellitus. Robertson RP. Pharmacol Ther 1984; 24(1):91–106
A new explanation for the progressive tissue loss in electrical injuries. Robson MC, et al. Plast Reconstr Surg 1984 Mar; 73(3):431–7
The role of arachidonic acid products in asthma. Clay TP, et al. Practitioner 1984 May;228(1391):510–3
Consequences of cell membrane attack by complement: release of arachidonate and formation of inflammatory derivatives. Imagawa DK, et al. Proc Natl Acad Sci USA 1983 Nov;80(21):6647–51
Enzyme with dual lipoxygenase activities catalyzes leukotriene A4 synthesis from arachidonic acid. Shimizu T, et al. Proc Natl Acad Sci USA 1984 Feb;81(3):689–93
Neurotransmitter receptors mediate cyclic GMP formation by involvement of arachidonic acid and lipoxygenase. Snider RM, et al. Proc Natl Acad Sci USA 1984 Jun; 81(12):3905–9
Arachidonic acid metabolites and the pulmonary circulation of fetus and newborn. Cassin S. Prog Clin Biol Res 1983; 135:227–50 (66 ref.)
Lipoxygenase- and cyclooxygenase-reaction products and incorporation into glycerolipids or radiolabeled arachidonic acid in the bovine retina. Birkle DL, et al. Prostaglandins 1984 Feb;27(2):203–16
Uptake of [3H]-arachidonic acid by human endometrium. Differences between normal and menorrhagic tissue. Downing I, et al. Prostaglandins 1983 Jul;26(1):55–69
Arachidonic acid metabolism by rabbit fetal membranes of various gestational ages. Elliott WJ, et al. Prostaglandins 1984 Jan;27(1):27–36
The influence of gamma radiation on arachidonic acid release and prostacyclin synthesis. Hahn GL, et al. Prostaglandins 1983 Jun;25(6):783–91
Hydrocortisone selectively inhibits IgE-dependent arachidonic acid release from rat peritoneal mast cells. Heiman AS, et al. Prostaglandins 1984 Feb;27(2):335–43
Effects of newly reported arachidonic acid metabolites on microsomal Ca++ binding, uptake and release. Kutsky P, et al. Prostaglandins 1983 Jul;26(1):13–21
Effects of endometrium on metabolism of arachidonic acid by bovine blastocysts in vitro. Lewis GS, et al. Prostaglandins 1983 Jun;25(6):881–9
Metabolism of arachidonic acid in vitro by porcine blastocysts and endometrium. Lewis GS, et al. Prostaglandins 1983 Jun;25(6):871–80
The effects of cigarette smoke on the fate of arachidonic acid in rat and hamster lungs. Männistö J. Prostaglandins 1983 Nov;26(5):681–8
Is phospholipase A2 a 'glucose sensor' responsible for the phasic pattern of insulin release? Metz SA. Prostaglandins 1984 Jan;27(1):147–58
The distribution of 14C-arachidonic acid in hamster lungs is sensitive to quinacrine. Puustinen T, et al. Prostaglandins 1983 Jun;25(6):829–37
Dipyridamole interferes with the incorporation of arachidonic acid and stimulates prostacyclin production in rat lungs. Puustinen T, et al. Prostaglandins 1983 Aug; 26(2):265–74
Renal arachidonic acid metabolism and cellular changes in the rabbit renal vein constricted kidney: inflammation as a common process in renal injury models. Schwartz D, et al. Prostaglandins 1984 Apr;27(4):605–13
The interaction of ethanol and exogenous arachidonic acid in the formation of leukotrienes and prostaglandin D2 in mastocytoma cells. Westcott JY, et al. Prostaglandins 1983 Aug;26(2):223–39
Changes in arachidonate metabolism in aortas and platelets in aging rats. Chang WC, et al. Prostaglandins Leukotrienes Med 1983 Oct;12(2):149–57
Arachidonic acid metabolism by the non-pregnant human uterus. Demers LM, et al. Prostaglandins Leukotrienes Med 1984 May;14(2):175–80
The effect of superoxide dismutase and catalase on metabolism of 3H-arachidonic acid by washed platelets. Ellis EF, et al. Prostaglandins Leukotrienes Med 1984 Feb; 13(2):153–7
Effect of thromboxane synthetase inhibitors (OKY-046,

OKY-1580) on the action of bronchoactive agents in guinea pig tracheal strips and on arachidonate metabolism in guinea pig lung lobes. Kitamura S, et al. **Prostaglandins Leukotrienes Med** 1984 Jun;14(3):341-50

Arachidonic acid metabolism by neonatal lungs perfused with Krebs bicarbonate buffer. Leffler CW, et al. **Prostaglandins Leukotrienes Med** 1984 Jul;15(1):115-28

Detection of compounds immunologically related to arachidonic acid transformation products in extracts of invertebrates. Levine L, et al. **Prostaglandins Leukotrienes Med** 1983 Dec;12(4):357-69

The effect of acetylsalicylate on aggregation and arachidonate metabolism by human platelets suspended in plasma or buffer. McDonald-Gibson WJ, et al. **Prostaglandins Leukotrienes Med** 1984 Jul;15(1):1-14

Effect of eicosatetraenyl (3-aminopropyl) phosphonate (URI-73A) on platelet aggregation and arachidonic acid metabolism. Mower RL, et al. **Prostaglandins Leukotrienes Med** 1983 Sep;12(1):95-106

Arachidonic acid metabolism in reproductive tissues of pregnant guinea pig under in vivo circumstances. Mucha I, et al. **Prostaglandins Leukotrienes Med** 1983 Oct; 12(2):207-16

Effects of bradykinin and bovine serum albumin on arachidonic acid and prostaglandin release from perfused rat heart. Paul J, et al. **Prostaglandins Leukotrienes Med** 1983 Aug;11(4):419-30

The effect of bradykinin, histamine, and leukotrienes B4, C4 and D4 on the formation of 6-keto-prostaglandin F1 alpha and thromboxane B2 in hamster lungs. Puustinen T, et al. **Prostaglandins Leukotrienes Med** 1983 Dec;12(4):443-8

Albumin stimulates the release of arachidonic acid from phosphatidylcholine in hamster lungs. Puustinen T. **Prostaglandins Leukotrienes Med** 1984 Feb;13(2):171-8

Effects of hydrogen peroxide on vascular arachidonic acid metabolism. Setty BN, et al. **Prostaglandins Leukotrienes Med** 1984 May;14(2):205-13

Maternal aspirin administration inhibits pulmonary arachidonic acid metabolism in fetal rabbits. Simberg N. **Prostaglandins Leukotrienes Med** 1984 Mar;13(3):323-33

Changes of arachidonic acid in phosphatidylcholine different from other lipids in kidneys of spontaneously hypertensive rats after feeding a linoleic acid-rich diet. Singer P, et al. **Prostaglandins Leukotrienes Med** 1984 Jun;14(3):321-38

Glomeruli cooperate with macrophages in converting arachidonic acid to prostaglandins and hydroxyeicosatetraenoic acids. Sraer J, et al. **Prostaglandins Leukotrienes Med** 1984 Jan;13(1):67-74

Effects of aqueous extracts of onion, garlic and ginger on platelet aggregation and metabolism of arachidonic acid in the blood vascular system: in vitro study. Srivas KC. **Prostaglandins Leukotrienes Med** 1984 Feb;13(2):227-35

Effects of labetalol on the arachidonic acid metabolism in human blood platelets, and in lung and aorta of the rat. Srivastava KC, et al. **Prostaglandins Leukotrienes Med** 1983 Sep;12(1):1-9

Modification of prostaglandin generation by L-histidine--possible pathogenetic implication in rheumatoid arthritis. Steinhauer HB, et al. **Prostaglandins Leukotrienes Med** 1984 Feb;13(2):211-6

Stable isotope labelled 5-lipoxygenase metabolites of arachidonic acid: analysis by negative ion chemical ionization mass spectrometry. Strife RJ, et al. **Prostaglandins Leukotrienes Med** 1984 Jan;13(1):1-8

Tissue selectivity and variability of effects of acetaminophen on arachidonic acid metabolism. Tolman EL, et al. **Prostaglandins Leukotrienes Med** 1983 Dec;12(4):347-56

The metabolism of arachidonic acid in hamster lung microsomes is not completely inhibited by aspirin and indomethacin. Uotila P, et al. **Prostaglandins Leukotrienes Med** 1983 Oct;12(2):227-34

Biosynthesis of cyclooxygenase and lipoxygenase metabolites of arachidonic acid by rabbit renal microsomes. Van Praag D, et al. **Prostaglandins Leukotrienes Med** 1983 Sep; 12(1):29-47

Lipoxygenase and cyclooxygenase products of arachidonic acid in uterus. Selective interaction with the cGMP and cAMP systems. Vesin MF, et al. **Prostaglandins Leukotrienes Med** 1984 Jan;13(1):75-8

Comparative binding properties of rat and human alpha-fetoproteins for arachidonic acid and estradiol. Aussel C, et al. **Res Commun Chem Pathol Pharmacol** 1983 Nov;42(2):261-9

U-60,257 has no effect on the metabolism of arachidonic acid in nonstimulated human polymorphonuclear leukocytes. Dahl ML, et al. **Res Commun Chem Pathol Pharmacol** 1984 Jun;44(3):355-65

The effects of aspirin and OKY-1581 on the metabolism of exogenous arachidonic acid in rat alveolar macrophages. Punnonen K, et al. **Res Commun Chem Pathol Pharmacol** 1984 Jun; 44(3):367-74

Tubocurarine has no clear effect on the metabolism of exogenous arachidonic acid in hamster isolated lungs. Suves M, et al. **Res Commun Chem Pathol Pharmacol** 1983 Nov; 42(2):255-60

Arachidonic acid metabolism in skin: a review. Ruzicka T, et al. **Rev Physiol Biochem Pharmacol** 1984;100:121-60 (251 ref.)

Arachidonic acid metabolism and inflammation. A brief introduction. Malmsten C. **Scand J Rheumatol [Suppl]** 1984; 53:31-45 (92 ref.)

Pathways of arachidonate oxidation to prostaglandins and leukotrienes. Weissmann G. **Semin Arthritis Rheum** 1983 Aug;13(1 Suppl 1):123-9 (23 ref.)

Arachidonic acid and metabolic diseases. Robertson RP. **Spec Top Endocrinol Metab** 1983;5:55-81 (102 ref.)

Mepacrine blockade of arachidonate-induced washed platelet aggregation: relationship to mepacrine inhibition of platelet cyclooxygenase. Raz A. **Thromb Haemost** 1983 Dec 30; 50(4):784-6

The effect of plasma on platelet function in hypercholesterolemic rabbits and the changes in fatty acid composition of the plasma. Ishii H, et al. **Thromb Res** 1984 Jun 1;34(5):447-55

Effects of eicosapentaenoic acid on arachidonic acid metabolism in cultured vascular cells and platelets: species difference. Morita I, et al. **Thromb Res** 1983 Jul 15; 31(2):211-7

The vascular protection of ditazole and its effect on arachidonic acid metabolism. Sim AK, et al. **Thromb Res** 1983 Dec 1;32(5):479-93

Phosphatidylcholine is the major phospholipid providing arachidonic acid for prostacyclin synthesis in thrombin-stimulated human endothelial cells. Thomas JM, et al. **Thromb Res** 1984 Apr 15;34(2):117-23

Styrene oxidation to styrene oxide coupled with arachidonic acid oxidation by soybean lipoxygenase. Belvedere G, et al. **Toxicol Lett** 1983 Aug;18(1-2):39-44

On the role of arachidonic acid metabolites in mast-cell mediated mitogenesis in the rat. Norrby K, et al. **Virchows Arch [Cell Pathol]** 1984;46(1-2):83-91

[Effect of Paeonia obovata 801 on metabolism of thromboxane B2 and arachidonic acid and on platelet aggregation in patients with coronary heart disease and cerebral thrombosis] Liu J. **Chung Hua I Hsueh Tsa Chih** 1983 Aug;63(8):477-81 (Eng. Abstr.) **(Chi)**

[Demonstration of the biosynthesis of prostaglandins from arachidonic acid by rat adrenal cortex cells in culture] Jannin B, et al. **C R Soc Biol (Paris)** 1984;178(1):92-7 (Eng. Abstr.) **(Fre)**

[Metabolism of arachidonic acid of the skin and its significance in the pathophysiology of inflammatory dermatosis] Ruzicka T. **Hautarzt** 1984 Jul;35(7):337-43 (Eng. Abstr.) **(Ger)**

[Arachidonic acid metabolites as mediators of an increase in resistance and a barrier disorder in pulmonary microcirculation] Seeger W, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:728-31 (Eng. Abstr.) **(Ger)**

[Arachidonic acid cascade and ARDS] Hiramoto T. **Kokyu To Junkan** 1983 Sep;31(9):939-45 (32 ref.) **(Jpn)**

[Effect of thromboxane synthetase inhibitors on the action of bronchoactive agents and on arachidonate metabolism in the guinea pig tracheobronchopulmonary system] Kitamura S, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1984 Jan;22(1):3-8 (Eng. Abstr.) **(Jpn)**

[Peroxidation of arachidonic acid and brain edema] Aritake K, et al. **No To Shinkei** 1983 Oct;35(10):965-73 (Eng. Abstr.) **(Jpn)**

[Changes of membrane lipids following cerebral ischemia, with special reference to the possible pathways of arachidonic acids metabolism] Asano T. **No To Shinkei** 1983 Jan;35(1):41-50 **(Jpn)**

[Disorders of arachidonic acid metabolism in experimental arteriosclerosis] Dembińska-Kieć A. **Folia Med Cracov** 1982-83;24(1-2):119-40 (Eng. Abstr.) **(Pol)**

[Leukotrienes and other arachidonic acid derivatives] Alam R. **Pol Tyg Lek** 1984 Feb 13;39(7):233-6 (45 ref.) **(Pol)**

[Ultrastructural study of the surface formations of Salmonella typhimurium H-3048 grown on a medium with sodium arachidonate added] Pak SG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 May;(5):48-50 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Symposium: Pharmacology of arachidonic acid and its metabolites. Abstracts. **Acta Pharmacol Toxicol (Copenh)** 1983;53 Suppl 1:31-44

Fenflumizole: interactions with the arachidonic acid cascade. Corell T, et al. **Acta Pharmacol Toxicol (Copenh)** 1983 Oct; 53(4):297-303

Selective interactions of cyclooxygenase and lipoxygenase metabolites with the cyclic GMP systems in the myometrium. Harbon S, et al. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1984; 17:639-49 (37 ref.)

Platelet function abnormalities in response to arachidonic acid in the acute phase of myocardial infarction. McDaniel HG, et al. **Am J Cardiol** 1983 Nov 1;52(8):965-8

Arachidonic acid mobilizes calcium and stimulates prolactin secretion from GH3 cells. Kolesnick RN, et al. **Am J Physiol** 1984 May;246(5 Pt 1):E458-62

Effects of metabolized and unmetabolized arachidonate on rat platelet shape change. Lampugnani MG, et al. **Am J Physiol** 1984 Sep;247(3 Pt 2):H440-5

Arachidonic acid and postprandial intestinal hyperemia. Mangino MJ, et al. **Am J Physiol** 1984 May;246(5 Pt 1):G521-7

Acquisition and aggregation of canine blood platelets: basic mechanisms of function and differences because of breed origin. Clemmons RM, et al. **Am J Vet Res** 1984 Jan; 45(1):137-44

Arachidonic acid, leukotriene B4, and neutrophil activation. Naccache PH, et al. **Ann NY Acad Sci** 1983;414:125-39 (97 ref.)

Age-related increase in the migration of aortic smooth muscle cells induced by 12-L-hydroxy-5,8,10,14-eicosatetranoic acid. Nakao J, et al. **Atherosclerosis** 1984 May-Jun;51(2-3):179-87

Calcium dependency of inhibition by arachidonic acid of compound 48/80-induced histamine release from mast cells. Dainaka J, et al. **Biochem Pharmacol** 1984 May 15; 33(10):1653-9

Hypoxia potentiates killing of hepatocyte monolayers by leukotrienes, hydroperoxyeicosatetraenoic acids, or calcium ionophore A23187. Trudell JR, et al. **Biochim Biophys Acta** 1984 Apr 16;803(4):338-41

Arachidonic acid and leukotriene B4 induce aggregation of human peripheral blood mononuclear leucocytes in vitro. Villa S, et al. **Br J Haematol** 1984 Sep;58(1):137-46

Vitamin C increases the formation of prostacyclin by aortic rings from various species and neutralizes the inhibitory effect of 15-hydroperoxy-arachidonic acid. Beetens JR, et al. **Br J Pharmacol** 1983 Oct;80(2):249-54

Coronary vasoconstrictor and vasodilator actions of arachidonic acid in the isolated perfused heart of the rat. Belo SE, et al. **Br J Pharmacol** 1982 Feb;75(2):269-86

Lymphocytes sensitize rat isolated atria to the inotropic and chronotropic effects of sodium arachidonate. Borda ES, et al. **Br J Pharmacol** 1984 Jan;81(1):75-83

Mediators of arachidonic acid-induced contractions of indomethacin-treated guinea-pig airways: leukotrienes C4 and D4. Burka JF, et al. **Br J Pharmacol** 1984 Mar; 81(3):465-73

The effects of arachidonic acid and non-steroidal anti-inflammatory drugs on intrapulmonary airways of the guinea-pig. Clay TP, et al. **Br J Pharmacol** 1984 Feb; 81(2):335-9

Mechanisms of reflex bradycardia and hypotension by metabolites of arachidonic acid in the cat. Hintze TH, et al. **Br J Pharmacol** 1984 May;82(1):117-25

Increased sensitivity of arachidonic acid-induced platelet aggregation in the presence of carbon dioxide. Kerry PJ, et al. **Br J Pharmacol** 1984 Jan;81(1):125-30

Central nervous system effects of arachidonic acid, PGE2, PGF2 alpha, PGD2 and PGI2 on gastric secretion in the rat. Puurunen J. **Br J Pharmacol** 1983 Oct;80(2):255-62

Action of arachidonic acid in ureteral-ligated kidney of the anesthetized canine: possible lipoxygenase activity. Chapnick BM. **Can J Physiol Pharmacol** 1984 Jun; 62(6):689-94

Mechanism of action of arachidonic acid in the isolated perfused rat heart. Shaffer JE, et al. **Can J Physiol Pharmacol** 1984 May;62(5):551-8

Arachidonic acid-dependent activation of benzo[a]pyrene to bind to proteins with cytosolic and microsomal fractions from rat liver and lung. Nemoto N, et al. **Carcinogenesis** 1984 Jul;5(7):961-4

Effects of chronic arachidonate on blood pressure of spontaneously hypertensive rats. Ezra D, et al. **Clin Exp Hypertens [A]** 1983;5(9):1485-99

Effect of arachidonic acid on the basal release of prostaglandins E2 and I2 by rat arteries during the development of hypertension. Lukacsko P. **Clin Exp Hypertens [A]** 1983;5(9):1471-83

Arachidonic acid induced release of insulin and glucagon: role of endogenous prostaglandins in pancreatic hormone secretion. Phair RD, et al. **Diabete Metab** 1984 May; 10(2):71-7

Structural requirements for preventing the aspirin- and the arachidonate-induced inactivation of platelet cyclo-oxygenase: additional evidence for distinct enzymatic sites. Rotilio D, et al. **Eur J Pharmacol** 1984 Jan 27;97(3-4):197-208

Decreased lung beta-adrenoceptor function induced by 15-hydroperoxyarachidonic acid. Nijkamp FP, et al. **Eur J Respir Dis [Suppl]** 1984;135:221-5

Arachidonic acid and other fatty acids inhibit secretion from sea urchin eggs. Elhai J, et al. **Exp Cell Res** 1983 Oct; 148(1):63-71

Effect of leukotriene B4, prostaglandin E2 and arachidonic acid on cytosolic-free calcium in human neutrophils. Lew PD, et al. **FEBS Lett** 1984 Jan 23;166(1):44-8

The effect of arachidonic acid on blood glucose and serum insulin in obese mice. Pratt JD. **Horm Metab Res** 1984 Mar;16(3):152-3

Effect of 15-hydroxyeicosatetraenoic acid (15-HETE) on anti-immunoglobulin E- and calcium ionophore-induced histamine release from human leukocytes. Comparison with the effects of eicosatetraynoic acid and nordihydroguaiaretic acid. Dorsch W, et al. **Int Arch Allergy Appl Immunol** 1984;73(3):274-9

Regulation of epithelial electrolyte transport by metabolites of arachidonic acid. Field M, et al. **J Allergy Clin Immunol** 1984 Sep;74(3 Pt 2):382-5

Regulation of B-lymphocyte proliferative responses by arachidonate metabolites: effects on membrane-directed versus intracellular activators. Goodman MG, et al. **J Allergy Clin Immunol** 1984 Sep;74(3 Pt 2):418-25

Modulation of epidermal cell division and growth by oxygenation products of arachidonic acid. Kragballe K, et al. **J Allergy Clin Immunol** 1984 Sep;74(3 Pt 2):426-9

Modulation of insulin secretion by lipoxygenase products of arachidonic acid. Relation to lipoxygenase activity of

pancreatic islets. Yamamoto S, et al. **J Biol Chem** 1983 Oct 25;258(20):12149–52

The mouse ear inflammatory response to topical arachidonic acid. Young JM, et al. **J Invest Dermatol** 1984 Apr; 82(4):367–71

Influence of renal lipoxygenase activity on the renal vascular response to arachidonic acid. Feigen LP. **J Pharmacol Exp Ther** 1984 Jan;228(1):140–6

Arachidonic acid–induced platelet aggregation is mediated by a thromboxane A2/prostaglandin H2 receptor interaction. Parise LV, et al. **J Pharmacol Exp Ther** 1984 Jan;228(1):240–4

An inhibitory effect of arachidonic acid on subsequent responses of canine cerebral arteries to serotonin and other agonists. White RP, et al. **Life Sci** 1984 Mar 5;34(10):923–31

In vivo evidence for the chemotactic activity of cyclooxygenase– and lipoxygenase–dependent compounds using a corneal implantation technique. Rochels R, et al. **Ophthalmic Res** 1984;16(4):194–7

Uterine arterial responses to arachidonate in pregnant and nonpregnant rabbits. Moisey DM, et al. **Proc Soc Exp Biol Med** 1983 Oct;174(1):114–8

Analogs of arachidonic acid methylated at C–7 and C–10 as inhibitors of leukotriene biosynthesis. Cohen N, et al. **Prostaglandins** 1984 Apr;27(4):553–62

Endothelial–dependent relaxant effects of vaso–active intestinal polypeptide and arachidonic acid in rat aortic strips. Davies JM, et al. **Prostaglandins** 1984 Feb; 27(2):195–202

Immunosuppression induced in vivo by 15 hydroxyeicosatetraenoic acid (15 HETE). Aldigier JC, et al. **Prostaglandins Leukotrienes Med** 1984 Jan;13(1):99–107

Modulation of Fc gamma receptors on I cells and monocytes by 15 hydroperoxyeicosatetranoic acid. Goodwin JS, et al. **Prostaglandins Leukotrienes Med** 1984 Jan;13(1):109–12

Influence of propranolol, pindolol, practolol and talinolol on arachidonic acid (AA)– and U–46619–induced aggregation and on AA–induced thromboxane A2 formation in platelets. Heinroth I, et al. **Prostaglandins Leukotrienes Med** 1983 Oct;12(2):189–206

Influence of arachidonic acid on vasoconstrictor responses in the rabbit hindquarters vascular bed. Lippton HL, et al. **Prostaglandins Leukotrienes Med** 1983 Oct;12(2):125–36

Inhibition of cyclooxygenase production does not prevent arachidonate from increasing extravascular lung water and albumin in an isolated dog lung. Littner MR, et al. **Prostaglandins Leukotrienes Med** 1984 Jul;15(1):53–68

Effect of different amounts of arachidonic acid on vessel wall–generated PGI2 and TXA2. Mehta J, et al. **Prostaglandins Leukotrienes Med** 1983 Nov;12(3):253–9

Effect of eicosatetraenyl (3–aminopropyl) phosphonate (URI–73A) on platelet aggregation and arachidonic acid metabolism. Mower RL, et al. **Prostaglandins Leukotrienes Med** 1983 Sep;12(1):95–106

Human natural cytotoxic cell activity: enhancement by leukotrienes (LT) A4, B4 and D4, but not by stereoisomers of LTB4 or HETES. Rola–Pleszczynski M, et al. **Prostaglandins Leukotrienes Med** 1984 Jan;13(1):113–7

Dietary arachidonic acid supplementation increases thromboxane synthesizing activity in platelets from diabetics. Takahashi R, et al. **Prostaglandins Leukotrienes Med** 1983 Aug;11(4):443–50

Arachidonic acid induced platelet aggregation and thromboxane formation is inhibited by OKY–1581. Uotila P, et al. **Prostaglandins Leukotrienes Med** 1983 Nov; 12(3):299–303

ADP and arachidonic acid induced platelet aggregation in schizophrenia and atypical psychoses. Whalley LJ, et al. **Psychol Med** 1984 Feb;14(1):207–11

Neutrophil degranulation responses to combinations of arachidonate metabolites and platelet–activating factor. O'Flaherty JT, et al. **Res Commun Chem Pathol Pharmacol** 1984 Jan;43(1):3–23

Potentiating actions of hydroxyeicosatetraenoates on human neutrophil degranulation responses to leukotriene B4 and phorbol myristate acetate. O'Flaherty JT, et al. **Res Commun Chem Pathol Pharmacol** 1983 Jun; 40(3):475–87

Sodium arachidonate induced in vitro polymorphonuclear leukocyte aggregation. Panus PC, et al. **Res Commun Chem Pathol Pharmacol** 1984 Mar; 43(3):393–405

Role of intrinsic arachidonate metabolites in the vascular action of erythrocyte breakdown products. Okamoto S, et al. **Stroke** 1984 Jan–Feb;15(1):60–4

Sodium arachidonate induced platelet aggregation is independent of secreted adenosine diphosphate. Burch JW, et al. **Thromb Res** 1983 Sep 1;31(5):747–58

Effects of the ratio of exogenous eicosapentaenoic acid to arachidonic acid on platelet aggregation and serotonin release. Hashimoto Y, et al. **Thromb Res** 1984 Jun 1; 34(5):439–46

Lag–phase of arachidonic acid–induced secretion in responders and non–responders to the thromboxane–synthetase inhibitors: involvement of cyclic–AMP. Lecompte T, et al. **Thromb Res** 1984 Jul 1; 35(1):91–7

Arachidonic acid and stable analogue of prostaglandin endoperoxides (U46619) induce platelet spreading and thrombi–like aggregate formation on a collagen substrate. Effect of fluid dynamics. Mazurov AV, et al. **Thromb Res** 1983 Oct 15;32(2):189–205

Cooperative effects of 1–O–alkyl–2–O–acetyl–sn–glycero–3–phosphocholine (PAF–acether) and exogenous arachidonic acid in stimulation of human blood platelets. Ostermann G, et al. **Thromb Res** 1984 Feb 15;33(4):409–18

[Pharmacology of the leukotrienes] Sirois P, et al. **J Pharmacol** 1984;15 Suppl 1:53–68 (81 ref.) (Eng. Abstr.) **(Fre)**

[Inhibitory effect of 15 HPETE on granulocytic (CFU–GM) stem cells] Malinvaud G, et al. **Nouv Rev Fr Hematol** 1983; 25(5):319–22 **(Fre)**

[Autoxidation products of arachidonic acid modify the arachidonic acid–induced aggregation of human blood platelets] Lösche W, et al. **Z Med Lab Diagn** 1984; 25(2):104–7 (Eng. Abstr.) **(Ger)**

[Role of arachidonic acid in platelet aggregation induced by S. typhimurium endotoxin] Tur'ianov MKh, et al. **Biull Eksp Biol Med** 1983 Sep;96(9):33–5 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Non–chemokinetic neutrophil attractants derived from arachidonic acid. Turner SR, et al. **Cell Biol Int Rep** 1983 Oct;7(10):843–8

Assessment of a role for phospholipase A2 and arachidonic acid metabolism in human lymphocyte natural cytotoxicity. Carine K, et al. **Cell Immunol** 1984 Aug;87(1):270–83

Regulation of human leukocyte function by lipoxygenase products of arachidonic acid. Valone FH. **Contemp Top Immunobiol** 1984;14:155–70

Role of calcium in arachidonic acid–induced contractions of guinea pig airways. Saad MH, et al. **Eur J Pharmacol** 1984 Apr 13;100(1):13–20

The role of arachidonic acid in vasogenic brain edema. Chan PH, et al. **Fed Proc** 1984 Feb;43(2):210–3

Arachidonate metabolites and the control of glomerular function. Scharschmidt LA, et al. **Fed Proc** 1983 Nov; 42(14):3058–63

Proceedings of a conference on regulation of cellular activities by leukotrienes and other lipoxygenase products of arachidonic acid. November 14–18, 1983, Santa Ynez, California. **J Allergy Clin Immunol** 1984 Sep;74(3 Pt 2):309–448

Immunopathogenetic roles of leukotrienes in human diseases. Goetzl EJ, et al. **J Clin Immunol** 1984 Mar;4(2):79–84

Effects of linoleate and arachidonate deficiencies on reproduction and spermatogenesis in the cat. MacDonald ML, et al. **J Nutr** 1984 Apr;114(4):719–26

Smooth muscle contraction as a model to study the mediator role of endogenous lipoxygenase products of arachidonic acid. Ritchie DM, et al. **Life Sci** 1984 Feb 6;34(6):509–13

Further evidence for a role of arachidonic acid in glucocorticoid teratogenic action in the palate. Piddington R, et al. **Proc Soc Exp Biol Med** 1983 Dec;174(3):336–42

Adhesion and aggregation of thrombin prestimulated human platelets on surface–bound fibrinogen: evidence for involvement of ADP and arachidonic acid pathways. Feuerstein IA, et al. **Thromb Haemost** 1983 Oct 31; 50(3):679–85

[Prostanoids (prostaglandins, thromboxanes, prostacyclin) and leukotrienes] Kecskeméti V. **Orv Hetil** 1983 Dec 4; 124(49):2967–74 (Eng. Abstr.) **(Hun)**

POISONING

Effects of lipoxygenase inhibitors in arachidonate–induced sudden death. Roth DM, et al. **J Pharm Pharmacol** 1984 Mar;36(3):205–7

Protective actions of ibuprofen in arachidonate–induced sudden death. Roth DM, et al. **Pharmacology** 1983; 27(3):169–75

SECRETION

Beta–adrenergic stimulation of prostaglandin production by human amnion tissue. Di Renzo GC, et al. **Prostaglandins** 1984 Jan;27(1):37–49

[Recent discoveries in the field of mediators of anti–inflammation: leukotrienes] Fantini F. **Clin Ter** 1984 May 31;109(4):355–61 (Eng. Abstr.) **(Ita)**

THERAPEUTIC USE

Antiinflammatory aspects of exogenous arachidonic acid. Elliott GR, et al. **Agents Actions [Suppl]** 1984;14:207–13

Daunomycin–arachidonic acid complex as a potential new antitumor agent. Sasaki T, et al. **Cancer Chemother Pharmacol** 1984;13(2):75–7

ARACHNID VECTORS

Demonstration of colonies of Anaplasma marginale in the midgut of Rhipicephalus simus. Potgieter FT, et al. **Am J Vet Res** 1983 Dec;44(12):2256–61

Spatial distribution of infected Haemaphysalis nymphs in the epizootic localities of Kyasanur forest disease. Sreenivasan MA, et al. **Indian J Med Res** 1983 Oct;78:531–6

A five–year evaluation of tularemia in Arkansas. McChesney TC, et al. **J Arkansas Med Soc** 1983 Nov;80(6):257–62

Ixodid ticks from Kallar and Buliar areas of Nilgiri Hills (T. N.). Saxena VK, et al. **J Commun Dis** 1983 Sep; 15(3):209–10

Tick–borne diseases. Hornick RB. **NY State J Med** 1983 Jul–Sep;83(8–10):1036

Lone Star tick sighted in Newport County [letter] Myers JE. **RI Med J** 1983 Aug;66(8):331

The occurrence of the brown dog tick, Rhipicephalus sanguineus (Latr. 1806), a possible vector of the spotted fever group rickettsiae, on sheep in the Negev region in Israel [letter] Gross EM, et al. **Trans R Soc Trop Med Hyg** 1984;78(1):139–40

[The most important scientific and practical problems of tick–borne borreliosis] Korenberg EI, et al. **Med Parazitol (Mosk)** 1984 Mar–Apr;(2):39–45 (39 ref.) (Eng. Abstr.) **(Rus)**

[Current status of the foci and morbidity of tick–borne relapsing fever in Uzbekistan] Vasil'eva IS, et al. **Parazitologiia** 1984 Jan–Feb;18(1):10–4 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

On the presence of Leptotrombidium (L) deliense in district Bastar, Madhya Pradesh. Saxena VK. **J Commun Dis** 1983 Dec;15(4):290–1

MICROBIOLOGY

Tularaemia transmitted by ticks (Dermacentor andersoni) in Saskatchewan. Gordon JR, et al. **Can J Comp Med** 1983 Oct;47(4):408–11

Evidence for flavivirus(es) outside of the distribution area for Ixodes ricinus in Norway. Traavik T, et al. **J Hyg (Lond)** 1984 Aug;93(1):133–8

Tick–borne ulceroglandular tularemia. Leggiadro RJ, et al. **NY State J Med** 1983 Jul–Sep;83(8–10):1053–4

Amblyomma americanum: a potential vector of Lyme disease in New Jersey. Schulze TL, et al. **Science** 1984 May 11; 224(4649):601–3

[Viral titers in Ixodes persulcatus ticks from various parts of a tick–borne encephalitis infected area] Bannova GG, et al. **Med Parazitol (Mosk)** 1984 Jan–Feb;(1):34–6 (Eng. Abstr.) **(Rus)**

[Experimental study of the participation of gamasid mites and fleas in circulating the tick–borne encephalitis virus (a review)] Naumov RL, et al. **Parazitologiia** 1984 Mar–Apr;18(2):106–15 (34 ref.) (Eng. Abstr.) **(Rus)**

PARASITOLOGY

The effect of chemotherapy on Babesia bigemina in the tick vector Boophilus microplus. de Vos AJ, et al. **Int J Parasitol** 1984 Jun;14(3):249–52

Some factors controlling the stimulation of sporogony of Theileria parva in its tick vector Rhipicephalus appendiculatus. Young AS, et al. **Int J Parasitol** 1984 Feb; 14(1):97–102

Ultrastructural study on the development of Babesia equi (Coccidia: Piroplasmia) in the salivary glands of its vector ticks. Moltmann UG, et al. **J Protozool** 1983 May; 30(2):218–25

Isolation and transmission of Theileria mutans (Chisamba) in Zambia. Musisi FL, et al. **Res Vet Sci** 1984 Jan; 36(1):129–31

Infection rates of Theileria annulata in the salivary glands of the tick Hyalomma marginatum rufipes. Jongejan F, et al. **Vet Parasitol** 1983 Sep;13(2):121–6

Note on the transmission of Theileria annulata by Hyalomma ticks in the Sudan. Mustafa Uel–H, et al. **Vet Q** 1983 Jul; 5(3):112–3

[Recent advances in the study of the vector role of ticks of the genus Amblyomma (Ixodidae)] Uilenberg G. **Rev Elev Med Vet Pays Trop** 1983;36(1):61–6 (Eng. Abstr.) **(Fre)**

ARACHNIDA

ISOLATION & PURIFICATION

[Pentastomiasis in rodents in the State of Bahia. Report of the findings on Armillifer moniliformis (Diesing, 1835) Sambon, 1922] Silva TM, et al. **Mem Inst Oswaldo Cruz** 1984 Jan–Mar;79(1):139–42 (Eng. Abstr.) **(Por)**

[Nymphs of Porocephalus crotali Humboldt, 1808 (Arachnid, Pentastomida) in edentates in Argentina] Martínez FA. **Bol Chil Parasitol** 1982 Jul–Dec;37(3–4):74–5 (Eng. Abstr.) **(Spa)**

ARACHNIDISM

BLOOD

Studies on scorpion stings. Ahmed B. **East Afr Med J** 1983 Jun;60(6):402–7

COMPLICATIONS

Spider bite hemolytic anemia: positive Coombs' test, erythrophagocytosis, and leukoerythroblastic smear. Eichner ER. **Am J Clin Pathol** 1984 May;81(5):683–7

Localized cerebral involvement caused by a yellow scorpion sting on the face: two case reports. Elitsur Y, et al. **Isr J Med Sci** 1984 Feb;20(2):160–2

Red–back spider (Latrodectus mactans hasselti) envenomation in a neonate. Byrne GC, et al. **Med J Aust** 1983 Dec 10–24;2(12):665–6

DIAGNOSIS

Black widow spider bite. Kobernick M. **Am Fam Physician** 1984 May;29(5):241–5

The diagnostic challenge of nonburrowing mite bites. Cheyletiella yasguri. Shelley ED, et al. **JAMA** 1984 May 25;251(20):2690–1

For those who treat spider or suspected spider bites [letter] Russell FE, et al. **Toxicon** 1983;21(3):337–9

Scorpion sting [letter] Bawaskar HS. **Trans R Soc Trop Med Hyg** 1984;78(3):414–5

DRUG THERAPY

Scorpion sting: successful treatment with nonhomologous antivenin. Pomeranz A, et al. **Isr J Med Sci** 1984 May; 20(5):451–2

Preliminary report: experience with the use of dantrolene sodium in the treatment of bites by the black widow spider Latrodectus hesperus. Ryan PJ. **J Toxicol Clin Toxicol** 1983–84;21(4–5):487–9

Management of brown recluse spider bite [letter] Berger RS. **JAMA** 1984 Feb 17;251(7):889–90

OCCURRENCE

Latrodectus spider bites in Hawaii. Case report and literature review. Weinstein SR, et al. **Hawaii Med J** 1983 Dec; 42(12):426–7

Spider bites in Australia. There are still some mysteries. Sutherland SK. **Med J Aust** 1983 Dec 10–24;2(12):597

Introduction of the scorpion Centruroides exilicauda into California and its public health significance. Russell FE, et al. **Toxicon** 1984;22(4):658–64

[Scorpion stings in children. Study of 100 cases] Martínez-Medina MA, et al. **Bol Med Hosp Infant Mex** 1983 Dec;40(12):707–10 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Necrotizing arachnidism [letter] Sheppard CL. **Med J Aust** 1984 Apr 14;140(8):504

PHYSIOPATHOLOGY

Envenomation by the scorpion Centruroides sculpturatus. Curry SC, et al. **J Toxicol Clin Toxicol** 1983–84; 21(4–5):417–49 (28 ref.)

Envenomations by miscellaneous animals [editorial] Kunkel DB, et al. **J Toxicol Clin Toxicol** 1983–84;21(4–5):557–60 (8 ref.)

Black widow spider bites. Rauber A. **J Toxicol Clin Toxicol** 1983–84;21(4–5):473–85 (23 ref.)

Loxoscelism and necrotic arachnidism. Wasserman GS, et al. **J Toxicol Clin Toxicol** 1983–84;21(4–5):451–72 (42 ref.)

Latrodectism: variations in clinical manifestations provoked by Latrodectus species of spiders. Maretić Z. **Toxicon** 1983; 21(4):457–66 (77 ref.)

THERAPY

Treatment of scorpion sting [letter] Laubscher HH. **S Afr Med J** 1983 Oct 29;64(19):731

ARACHNODACTYLY

[Marfan's syndrome] Martelli M, et al. **Minerva Med** 1983 Oct 27;74(41):2429–38 (Eng. Abstr.) **(Ita)**

COMPLICATIONS

Cardiovascular findings in congenital contractural arachnodactyly: report of an affected kindred. Anderson RA, et al. **Am J Med Genet** 1984 Jun;18(2):265–71

Total aortic replacement for chronic aortic dissection occurring in patients with and without Marfan's syndrome. Crawford ES, et al. **Ann Surg** 1984 Mar;199(3):358–62

Pneumothorax in the Marfan syndrome: prevalence and therapy. Hall JR, et al. **Ann Thorac Surg** 1984 Jun; 37(6):500–4

Multiple endocrine neoplasia, type I. Association with marfanoid habitus, optic atrophy, and other abnormalities. Manning GS, et al. **Arch Intern Med** 1983 Dec; 143(12):2315–6

Diverticulosis coli in association with Marfan's syndrome [letter] Suster SM, et al. **Arch Intern Med** 1984 Jan; 144(1):203

Cardiac, skeletal, and ocular abnormalities in patients with Marfan's syndrome and in their relatives. Comparison with the cardiac abnormalities in patients with kyphoscoliosis. Bruno L, et al. **Br Heart J** 1984 Feb;51(2):220–30

Anomalous origin of the coronary artery in Marfan's syndrome. Menon VK, et al. **Indian Heart J** 1983 May–Jun; 35(3):176–7

Iatrogenic kyphosis: a complication of Harrington instrumentation in Marfan's syndrome. A case report. Amis J, et al. **J Bone Joint Surg [Am]** 1984 Mar;66(3):460–4

Osteoid osteoma of the capitate: a case report. Riester J, et al. **J Hand Surg [Am]** 1984 Mar;9(2):278–80

Aortoplasty and aortic valve replacement for annuloaortic ectasia in an infant with Marfan's syndrome, forme fruste. Kawaguchi A, et al. **J Thorac Cardiovasc Surg** 1984 Apr; 87(4):631–4

Occult thoraco-abdominal dissecting aneurysm in a patient with Marfan's syndrome—diagnosis by real-time ultrasound. Goodman A, et al. **JCU** 1984 Feb;12(2):115–9

Dissecting aneurysm in a patient with Marfan's syndrome: recognition of extensive involvement of the aorta by two-dimensional echocardiography. Mattleman S, et al. **JCU** 1984 May;12(4):219–21

Abdominal aortic aneurysm in Marfan's syndrome—a case report. Huang PJ, et al. **Taiwan I Hsueh Hui Tsa Chih** 1983 Jul;82(7):868–73

[Unusual aortic aneurysm in Marfan syndrome. A case study] Niggli F, et al. **Vasa** 1983;12(3):274–80 (Eng. Abstr.) **(Ger)**

[Mitral valve prolapse and Marfanoid Habitus (editorial)] Algom M, et al. **Harefuah** 1983 Sep;105(5–6):139–40 **(Heb)**

[Characteristic findings of mitral valve and mechanism of mitral valve prolapse in Marfan syndrome] Hosokawa O, et al. **J Cardiogr** 1983 Jun;13(2):395–405 (Eng. Abstr.) **(Jpn)**

[Isolated mitral valve insufficiency in a patient with Marfan's syndrome] Pluta W, et al. **Wiad Lek** 1983 Nov 1; 36(21):1789–91 (Eng. Abstr.) **(Pol)**

[Successful replacement of the entire ascending aorta and its valve by reimplantation of the opening of the coronary artery in a patient with aortic coarctation associated with Marfan's syndrome] Jablanov J, et al. **Vojnosanit Pregl** 1984 Jan–Feb;41(1):46–8 **(Scr)**

[Marfan syndrome and diaphragmatic hernia (letter)] Subirats i Bayego E, et al. **Med Clin (Barc)** 1983 Oct 29;81(13):597 **(Spa)**

DIAGNOSIS

Marfan's syndrome: acute aortic dissection during labor, resulting in fetal distress and cesarean section, followed by successful surgical repair. Ferguson JE 2d, et al. **Am J Obstet Gynecol** 1983 Dec 1;147(7):759–62

Echocardiography in the diagnosis of Marfan's syndrome. Fulton R, et al. **IMJ** 1984 Feb;165(2):89–91

Homocystinuria versus Marfan's syndrome: the therapeutic relevance of the differential diagnosis. Boers GH, et al. **Neth J Med** 1984;27(6):206–12

[Echocardiographic diagnosis of Marfan's syndrome] Liang GF. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1983 Jun;11(2):123–5 **(Chi)**

[Orthostatic dysregulation in Marfan syndrome] Wässer S, et al. **Z Arztl Fortbild (Jena)** 1983;77(16):691–2 **(Ger)**

[Diagnostic value of the Varga body-build index in Marfan's syndrome] Levaniuk VF, et al. **Klin Med (Mosk)** 1983 Sep; 61(9):131–4 (14 ref.) (Eng. Abstr.) **(Rus)**

[Case of Marfan's syndrome] Liashuk PM, et al. **Vrach Delo** 1984 Jan;(1):95–7 **(Rus)**

FAMILIAL & GENETIC

A form of X-linked mental retardation with marfanoid habitus. Lujan JE, et al. **Am J Med Genet** 1984 Jan; 17(1):311–22

Homozygosity for autosomal dominant Marfan syndrome. Chemke J, et al. **J Med Genet** 1984 Jun;21(3):173–7

[Gene pleiotropism in Marfan's syndrome—analysis of 53 cases] Mai CK. **Chung Hua Yen Ko Tsa Chih** 1983 Jul; 19(4):231–2 **(Chi)**

[Hereditary connective tissue diseases. Marfan's syndrome] Fujisaku A, et al. **Nippon Rinsho** 1984 May;42(5):1115–21 **(Jpn)**

PATHOLOGY

Marfanoid hypermobility syndrome associated with Duane's retraction syndrome. Rozen S, et al. **Ann Ophthalmol** 1983 Sep;15(9):862–4

PHYSIOPATHOLOGY

[Longitudinal study of growth in Marfan's syndrome in early childhood] Roy C, et al. **Ann Pediatr (Paris)** 1983 Nov; 30(9):665–70 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

[Marfan's syndrome (description of an atypical case)] Tamburrelli F. **Arch Putti Chir Organi Mov** 1983;33:415–21 (Eng. Abstr.) **(Ita)**

SURGERY

Marfan's syndrome. Broad spectral surgical treatment cardiovascular manifestations. Crawford ES. **Ann Surg** 1983 Oct;198(4):487–505

The Marfan's syndrome: successful surgical palliation for annulo-aortic ectasia. Kundaje GN, et al. **J Assoc Physicians India** 1983 Dec;31(12):809–11

[One stage operation of sternal turnover and Bentall operation for a case of severe Marfan syndrome] Hino T, et al. **Kyobu Geka** 1983 Dec;36(11):882–9 **(Jpn)**

[One stage operation for cases with funnel chest and heart disease] Hino T, et al. **Rinsho Kyobu Geka** 1983 Nov; 3(6):670–8 (Eng. Abstr.) **(Jpn)**

[Prosthesis of the aortic valve and ascending aorta with reimplantation of the coronary artery ostia in Marfan's syndrome] Sitar LL, et al. **Grudn Khir** 1984 Mar–Apr; (2):70–3 **(Rus)**

ARACHNOID

Post traumatic spinal arachnoid cysts. Lesoin F, et al. **Acta Neurochir (Wien)** 1984;70(3–4):227–34

Arachnoid cysts and head injury. Lesoin F, et al. **Acta Neurochir (Wien)** 1983;69(1–2):43–51

Value of metrizamide CT in the demonstration of spinal arachnoid cysts. Yang WC, et al. **AJNR** 1983 Sep–Oct; 4(5):1115–8

Arachnoid cyst as a cause of the amenorrhea–galactorrhea syndrome. London SN, et al. **Am J Obstet Gynecol** 1984 May 1;149(1):87–8

Arachnoid cyst in the internal auditory canal. Schuknecht HF, et al. **Ann Otol Rhinol Laryngol** 1983 Nov–Dec;92(6 Pt 1):535–41

Rare combination of spinal lesions and spina bifida occulta: case report. Wakai S, et al. **Dev Med Child Neurol** 1984 Feb;26(1):117–21

Metrizamide CT myelography in the evaluation of spinal arachnoid diverticula. Camras LR, et al. **J Comput Assist Tomogr** 1983 Dec;7(6):1084–6

Arachnoid cysts in the middle cranial fossa: cause and treatment of progressive and non-progressive symptoms. van der Meché FG, et al. **J Neurol Neurosurg Psychiatry** 1983 Dec;46(12):1102–7

Spinal arachnoid cyst with unusual presentation. Case report. Spiegelmann R, et al. **J Neurosurg** 1984 Mar;60(3):613–6

Unusual computed tomographic findings in a case of arachnoid cyst in the middle cranial fossa. Hara H, et al. **Surg Neurol** 1984 Jul;22(1):79–82

[Arachnoid cysts of the spinal cord] Jiao DR. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1983 Dec; 16(6):375–7 (Eng. Abstr.) **(Chi)**

[Etiopathogenesis of temporal arachnoid cysts] Drábek P, et al. **Cesk Neurol Neurochir** 1984 Jan;47(1):24–8 (Eng. Abstr.) **(Cze)**

[Arachnoid cysts of the cerebellopontile angle] Rousseaux M, et al. **Neurochirurgie** 1984;30(2):119–24 (Eng. Abstr.) **(Fre)**

[Parietal multilocular arachnoid cysts in adults. 2 cases] Rousseaux M, et al. **Neurochirurgie** 1984;30(4):245–8 (Eng. Abstr.) **(Fre)**

[Supratentorial arachnoidal cysts] Vizioli L, et al. **Neurochirurgie** 1983;29(5):339–47 (Eng. Abstr.) **(Fre)**

[Double meningiomas with arachnoidal cyst. A rare combination] Lepuschütz H, et al. **Computertomographie** 1981 Apr;1(1):33–4 (Eng. Abstr.) **(Ger)**

[Clinical and endocrinological observations on a case of galactorrhea with arachnoid cyst extending to the perisellar cisterna] Belforte P, et al. **Minerva Ginecol** 1983 Sep; 35(9):597–9 (Eng. Abstr.) **(Ita)**

[Carcinoma of the colon associated with diffuse metastatic leptomeningeal carcinomatosis (DMLC) presenting as disturbance of consciousness—a case report] Ohkawa H, et al. **Gan No Rinsho** 1984 Apr;30(4):409–12 (Eng. Abstr.) **(Jpn)**

[Mid-line arachnoid cyst of the brain] Fujita K, et al. **Neurol Med Chir (Tokyo)** 1983 May;23(5):387–92 (Eng. Abstr.) **(Jpn)**

[Primary leptomeningeal gliomatosis. Case report] Kitahara M, et al. **Neurol Med Chir (Tokyo)** 1983 Jun;23(6):490–7 (Eng. Abstr.) **(Jpn)**

[Chronic subdural hygroma caused by rupture of arachnoid cyst. As a probable course of chronic subdural hematoma—case report] Kusuno K, et al. **Neurol Med Chir (Tokyo)** 1984 May;24(5):349–54 (Eng. Abstr.) **(Jpn)**

[A case of intrasellar arachnoid cyst] Fujiwara M, et al. **No Shinkei Geka** 1984 Mar;12(3 Suppl):331–7 (Eng. Abstr.) **(Jpn)**

[Postoperative lumbar extradural arachnoid cyst. Report of two cases and review of the literature] Uchibori M, et al. **No Shinkei Geka** 1984 Apr;12(5):619–24 (Eng. Abstr.) **(Jpn)**

[Computed tomography of suprasellar cystic lesions] Tsuchiya K, et al. **No To Shinkei** 1983 Nov;35(11):1109–15 (Eng. Abstr.) **(Jpn)**

[A case of ankylosing spondylitis with spinal arachnoid diverticula] Shimohama S, et al. **Rinsho Shinkeigaku** 1984 Feb;24(2):131–6 (Eng. Abstr.) **(Jpn)**

[Unusual tremor in a patient with a local lesion of the brain] El'ner AM, et al. **Zh Nevropatol Psikhiatr** 1984;84(4):530–3 (Eng. Abstr.) **(Rus)**

[Diagnostic value of electromyography in revealing the laterality of the motor deficit in brain tumors] Saradzhishvili PM, et al. **Zh Nevropatol Psikhiatr** 1984; 84(5):641–4 (Eng. Abstr.) **(Rus)**

[Intracranial arachnoid cysts in children. Review of 34 cases] Campistol Plana J, et al. **An Esp Pediatr** 1983 Dec; 19(6):459–70 (Eng. Abstr.) **(Spa)**

[Sylvian arachnoid cysts] Clavel Escribano M, et al. **Rev Clin Esp** 1983 Oct 15;171(1):51–4 **(Spa)**

ANATOMY & HISTOLOGY

Pia arachnoid contains substance P originating from trigeminal neurons. Liu-Chen LY, et al. **Neuroscience** 1983 Aug;9(4):803–8

BLOOD SUPPLY

The leptomeningeal vein. A site of re-entry of leukemic cells into the systemic circulation. Azzarelli B, et al. **Cancer** 1984 Oct 1;54(7):1333–43

CYTOLOGY

Striated muscle cells in the leptomeninges. An

immunohistochemical study. Nakamura Y, et al. **Arch Pathol Lab Med** 1984 Jul;108(7):561–3

DRUG EFFECTS

Effect of radiologic contrast media and local anaesthetics on the blood–brain barrier and on the leptomeninges. Vällfors B, et al. **Acta Neurol Scand** 1983 Sep;68(3):164–70

METABOLISM

[Progesterone receptors in normal human leptomeninges in adults] Poisson M, et al. **Rev Neurol (Paris)** 1984; 140(1):14–9 (Eng. Abstr.) **(Fre)**

PATHOLOGY

The sheath of the optic nerve. Hayreh SS. **Ophthalmologica** 1984;189(1–2):54–63

Epicranial arachnoid cyst. Kirchner SG, et al. **South Med J** 1984 Jul;77(7):905–6

PHYSIOLOGY

In vitro release of immunoreactive substance P from putative afferent nerve endings in bovine pia arachnoid. Moskowitz MA, et al. **Neuroscience** 1983 Aug;9(4):809–14

RADIOGRAPHY

CAT scan appearance of arachnoid granulations: case report. Chaudary RR, et al. **Comput Radiol** 1984 Jan–Feb;8(1):25–7

Radicular sacography and some anatomical studies of the lower end of the dural arachnoidal sac. Kitov B. **Folia Med (Plovdiv)** 1983;25(4):26–34

Metrizamide-enhanced computed tomography of intracranial arachnoid cysts. Crisi G, et al. **J Comput Assist Tomogr** 1984 Oct;8(5):928–35

Postsurgical arachnoid cyst: report of two cases. Luerssen TG, et al. **Neurosurgery** 1983 Oct;13(4):438–40

[Intradural spinal arachnoid diverticula and cysts. 6 cases] Rousseaux M, et al. **Neurochirurgie** 1983;29(4):279–84 (Eng. Abstr.) **(Fre)**

SURGERY

Spinal arachnoiditis ossificans [letter] Whittle IR, et al. **Neurosurgery** 1983 Dec;13(6):737

ULTRASTRUCTURE

Arachnoid mater of the bullfrog, Rana catesbeiana. A potential model for the study of intermediate filaments. Michaels JE, et al. **Cell Tissue Res** 1984;236(3):693–7

Attachment of vimentin filaments to desmosomal plaques in human meningioma cells and arachnoidal tissue. Kartenbeck J, et al. **J Cell Biol** 1984 Mar;98(3):1072–81

Ultrastructure of the mouse leptomeninx. Oda Y, et al. **J Comp Neurol** 1984 May 20;225(3):448–57

Arachnoid cysts of the sylvian fissure. Evidence of fluid secretion. Go KG, et al. **J Neurosurg** 1984 Apr;60(4):803–13

ARACHNOIDITIS

CHEMICALLY INDUCED

Steroid-induced arachnoiditis. Roche J. **Med J Aust** 1984 Mar 3;140(5):281–4

COMPLICATIONS

[Case of myorhythmia of the diaphragm in chronic arachnoencephalitis] Komarov VM, et al. **Voen Med Zh** 1984 Mar;(3):72–3 **(Rus)**

DIAGNOSIS

Spinal arachnoiditis. What is the clinical spectrum? II. Arachnoiditis induced by Pantopaque/autologous blood in dogs, a possible model for human disease. Hoffman GS, et al. **Spine** 1983 Jul–Aug;8(5):541–51

Spinal arachnoiditis. What is the clinical spectrum? I. Hoffman GS. **Spine** 1983 Jul–Aug;8(5):538–40

[A clinical analysis of 92 cases of cisternal arachnoiditis] Lin BW. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1983 Apr;16(2):118–20 (Eng. Abstr.) **(Chi)**

[Case of observation of the course of chronic arachnoencephalitis] Peredenko VG, et al. **Vrach Delo** 1984 May;(5):103–4 **(Rus)**

[Method of unidimensional echolocation of the cerebral aqueduct and upper portions of the 4th ventricle in healthy subjects and in pathology] Moldovanov VA, et al. **Zh Vopr Neirokhir** 1984 Jan–Feb;(1):37–42 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Intrathecal hyaluronidase treatment of chronic spinal arachnoiditis of noninfective etiology. Gourie-Devi M, et al. **Surg Neurol** 1984 Sep;22(3):231–4

ETIOLOGY

Arachnoiditis from myelography and laminectomy in experimental animals. Johansen JG, et al. **AJNR** 1984 Jan–Feb;5(1):97–9

Diffuse arachnoiditis following epidural analgesia. Boiardi A, et al. **J Neurol** 1983;230(4):253–7

IMMUNOLOGY

[State of the T- and B-systems of immunity in cerebral leptomeningitis (arachnoiditis)] Makarova TT. **Vrach Delo** 1983 Dec;(12):84–7 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Effect of dexamethasone in the prevention of arachnoiditis produced by blood. Mateos-Gómez JH, et al. **Arch Invest Med (Mex)** 1984 Jan–Mar;15(1):13–6 **(Eng, Spa)**

RADIOGRAPHY

CT recognition of thorotrast-induced intracranial and lumbar arachnoiditis. Kaplan AW, et al. **AJNR** 1984 May–Jun; 5(3):323–5

Intravenous contrast-enhanced CT of the postoperative lumbar spine: improved identification of recurrent disk herniation, scar, arachnoiditis, and diskitis. Teplick JG, et al. **AJR** 1984 Oct;143(4):845–55

SURGERY

Spinal arachnoiditis ossificans [letter] Whittle IR, et al. **Neurosurgery** 1983 Dec;13(6):737

THERAPY

Lumbosacral spinal fibrosis (spinal arachnoiditis). Its diagnosis and treatment by spinal cord stimulation. de la Porte C, et al. **Spine** 1983 Sep;8(6):593–603

ARBAPROSTIL see under **PROSTAGLANDINS E, SYNTHETIC**

ARBOVIRUS INFECTIONS

Sequelae to arbovirus infections in former Far East prisoners-of-war [letter] Sutton RN, et al. **Lancet** 1984 Jun 2;1(8388):1243–4

Serological investigations concerning the presence of antibodies to arboviruses in wild birds. Antipa C, et al. **Virologie** 1984 Jan–Mar;35(1):5–9

DIAGNOSIS

Arboviral encephalitis: the need for clinical suspicion in Connecticut. Booss J, et al. **Conn Med** 1984 May; 48(5):288–9

Serologic evidence of arbovirus infections in humans and wild animals in Alaska. Zarnke RL, et al. **J Wildl Dis** 1983 Jul;19(3):175–9

[Rapid diagnosis of tick-borne encephalitis and Syr-Darya valley fever] Kiriushchenko TV, et al. **Voen Med Zh** 1984 May;(5):40–2 **(Rus)**

[Clinical manifestations of arbovirus infections] Ropac D. **Lijec Vjesn** 1984 May;106(5):185–8 (Eng. Abstr.) **(Scr)**

IMMUNOLOGY

Current problems of the epidemiology and prophylaxis in mosquito-induced haemorrhagic fevers in sea transport. Sidenko VP, et al. **Bull Inst Marit Trop Med Gdynia** 1982; 33(1–2):61–9

[Serological studies in research on arbovirus antibodies in a human population of the Ribeira Valley region. IV – Survey of school children living in Iguape County, SP (Brazil)] Iversson LB, et al. **Rev Saude Publica** 1983 Dec; 17(6):423–35 (Eng. Abstr.) **(Por)**

MICROBIOLOGY

[Characteristics of Toscana virus growth and persistent infection in a cell line] Nicoletti L, et al. **Ann Ist Super Sanita** 1982;18(3):401–4 (Eng. Abstr.) **(Ita)**

[Experimental infection of pigs with Akabane virus] Maruyama S, et al. **Uirusu** 1983 Dec;33(2):131–3 **(Jpn)**

OCCURRENCE

Human arboviral encephalitis—United States, 1983. **MMWR** 1984 Jun 22;33(24):339–42, 347

A sero-epidemiological survey for Bunyaviridae and certain other arboviruses in Pakistan. Darwish MA, et al. **Trans R Soc Trop Med Hyg** 1983;77(4):446–50

[Ecological and epidemiological studies of Toscana virus, an arbovirus isolated from Phlebotomus] Verani P, et al. **Ann Ist Super Sanita** 1982;18(3):397–9 (Eng. Abstr.) **(Ita)**

[Outbreak of arbovirus infection in the Tadzhik SSR due to the Issyk-Kul virus (Issyk-Kul fever)] L'vov DK, et al. **Vopr Virusol** 1984 Jan–Feb;29(1):89–92 (Eng. Abstr.) **(Rus)**

TRANSMISSION

[Can arboviruses from seabird colonies in Brittany infect man?] Chastel C, et al. **Rev Epidemiol Sante Publique** 1983; 31(4):445–57 (Eng. Abstr.) **(Fre)**

VETERINARY

Serologic evidence of arbovirus infections in humans and wild animals in Alaska. Zarnke RL, et al. **J Wildl Dis** 1983 Jul;19(3):175–9

ARBOVIRUSES

GENETICS

Posttranslational processing of Uukuniemi virus glycoproteins G1 and G2. Kuismanen E. **J Virol** 1984 Sep; 51(3):806–12

GROWTH & DEVELOPMENT

Establishment of a mosquito cell line from Haemagogus equinus larvae. Oro G. **In Vitro** 1984 Mar;20(3 Pt 1):153–6

Establishment and maintenance of persistent infection by the Phlebovirus Toscana in Vero cells. Verani P, et al. **J Gen Virol** 1984 Feb;65 (Pt 2):367–75

[Characteristics of Toscana virus growth and persistent infection in a cell line] Nicoletti L, et al. **Ann Ist Super Sanita** 1982;18(3):401–4 (Eng. Abstr.) **(Ita)**

IMMUNOLOGY

Antigenic and biological characterization of Toscana virus, a new Phlebotomus fever group virus isolated in Italy. Verani P, et al. **Acta Virol (Praha)** 1984 Jan;28(1):39–47

Antigenic characterization of Tettnang virus: complications caused by passage of the virus in mice from a colony enzootically infected with mouse hepatitis virus. Smith AL, et al. **Am J Trop Med Hyg** 1983 Sep;32(5):1172–6

Prevalence of arbovirus antibodies in sera of animals in Sri Lanka. Bárdoš V, et al. **Bull WHO** 1983;61(6):987–90

Antibody against viruses in maternal and cord sera: non-specific inhibitors are found to higher titre on the maternal side of the circulation. Griffiths PD, et al. **J Hyg (Lond)** 1984 Jun;92(3):297–301

Serologic evidence of arbovirus infections in humans and wild animals in Alaska. Zarnke RL, et al. **J Wildl Dis** 1983 Jul;19(3):175–9

Serological investigations concerning the presence of antibodies to arboviruses in wild birds. Antipa C, et al. **Virologie** 1984 Jan–Mar;35(1):5–9

[Arbovirus antibody survey of human sera in China] Chen BQ. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1983 Oct; 4(5):263–6 (Eng. Abstr.) **(Chi)**

[Small wild mammals and arboviruses in Italy] Le Lay-Roguès G, et al. **Bull Soc Pathol Exot Filiales** 1983 Aug–Oct;76(4):333–45 (Eng. Abstr.) **(Fre)**

[Serological studies in research on arbovirus antibodies in a human population of the Ribeira Valley region. IV – Survey of school children living in Iguape County, SP (Brazil)] Iversson LB, et al. **Rev Saude Publica** 1983 Dec; 17(6):423–35 (Eng. Abstr.) **(Por)**

[Clinical manifestations of arbovirus infections] Ropac D. **Lijec Vjesn** 1984 May;106(5):185–8 (Eng. Abstr.) **(Scr)**

ISOLATION & PURIFICATION

Muroor virus: a new arbovirus isolated in India from the bat tick (Ornithodoros piriformis). Sreenivasan MA, et al. **Indian J Med Res** 1983 Sep;78:295–9

Arbovirus studies in an evergreen seasonal marsh forest in Trinidad, West Indies. Tikasingh ES, et al. **West Indian Med J** 1983 Dec;32(4):223–31

[Arbovirus exploratory program at the Pasteur Institute of Madagascar: results 1976–1980] Clerc Y, et al. **Arch Inst Pasteur Madagascar** 1982;49(1):65–78 **(Fre)**

[Ecological and epidemiological studies of Toscana virus, an arbovirus isolated from Phlebotomus] Verani P, et al. **Ann Ist Super Sanita** 1982;18(3):397–9 (Eng. Abstr.) **(Ita)**

[Birds infected with Ornithodorus ticks, virus vectors] Cerny V. **Rev Cubana Med Trop** 1983 May–Aug;35(2):181–5 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Multiplication of several arboviruses isolated in Japan in Culex tritaeniorhynchus. Takashima I, et al. **Microbiol Immunol** 1983;27(6):561–3

ARBOVIRUSES, GROUP A see **ALPHAVIRUSES**

ARBOVIRUSES, GROUP B see **FLAVIVIRUSES**

ARBUTIN see under **GLYCOSIDES**

ARCHAEBACTERIA see under **BACTERIA**

ARCHAEOLOGY

see related
PALEOGRAPHY

[Electron microscopic identification of ancient human hair] Hayashiba Y, et al. **Igaku Kenkyu** 1983 Feb;53(1):15–8 (Eng. Abstr.) **(Jpn)**

ARCHENTERON see **GASTRULA**

ARCHITECTURAL ACCESSIBILITY see under **FACILITY DESIGN AND CONSTRUCTION**

ARCHITECTURE

see related
HEALTH FACILITY PLANNING

Micro computers--innovative architectural tools. Schwartz S. **Dimens Health Serv** 1984 Jul;61(7):26-9

ARCHIVES

Building an archives in a medical library. Sammis SK. **Bull Med Libr Assoc** 1984 Jul;72(3):270-3
The archives of the American Physiological Society. Appel TA. **Physiologist** 1984 Jun;27(3):131-2
'A catalogue of the manuscripts and archives of the Library of the College of Physicians of Philadelphia.' By Rudolf Hirsch. Essay review. Waserman M. **Trans Stud Coll Physicians Phila** 1983 Dec;5(4):385-7
[Effectiveness of record files and systematized archives of fluorograms in mass preventive examinations for tuberculosis] Chaĭka VS, et al. **Probl Tuberk** 1984 Apr; (4):17-20 (Eng. Abstr.) **(Rus)**

ARCUATE NUCLEUS

ANATOMY & HISTOLOGY

The ultrastructural characteristics and their functional significance of the arcuate nucleus and median eminence. Zhu CG, et al. **Acta Acad Med Wuhan** 1984;4(1):1-7
Demonstration of contacts between proopiomelanocortin neurons in the rat hypothalamus. Chen YY, et al. **Neurosci Lett** 1983 Dec 30;43(2-3):271-6
[Intrinsic and extrinsic connections of the postarcuate premotor area of the monkey] Camarda R, et al. **Boll Soc Ital Biol Sper** 1984 Apr 30;60(4):823-9 (Eng. Abstr.) **(Ita)**

CYTOLOGY

The neuronal cell types in the arcuate nucleus in normal and monosodium glutamate treated rats: a Golgi study. Schiethart L, et al. **Acta Morphol Neerl Scand** 1983 Dec; 21(4):285-91
On the ultrastructure and immunocytology of arcuate neurons with perpetuated feedback effect. Ule G, et al. **Clin Neuropathol** 1984 Jan-Feb;3(1):28-31
Presence of neurophysin-like material in the pituitary corticotrophs and melanotrophs and cells of the arcuate nucleus of the rat as revealed by immunocytochemistry. Watkins WB. **Neuropeptides** 1983 Oct;3(6):477-92

DRUG EFFECTS

Neonatal aspartate treatment: effects on arcuate nucleus morphology, organ weights, and reproductive function. Pasley JN, et al. **Bull Environ Contam Toxicol** 1984 Apr; 32(4):410-6
A behavioral assessment of arcuate nucleus damage after a single injection of monosodium glutamate. Dawson R Jr, et al. **Neurobehav Toxicol Teratol** 1983 Jul-Aug; 5(4):399-406

ENZYMOLOGY

Coexistence of tyrosine hydroxylase-like and gamma-aminobutyric acid-like immunoreactivities in neurons of the arcuate nucleus. Everitt BJ, et al. **Neuroendocrinology** 1984 Aug;39(2):189-91

IMMUNOLOGY

Immunocytochemistry for LHRH neurons in the arcuate nucleus area of the rat: fact or artifact? Kozlowski GP, et al. **J Histochem Cytochem** 1984 Jan;32(1):83-91

METABOLISM

Diffusional barrier around the hypothalamic arcuate nucleus in the rat. Réthelyi M. **Brain Res** 1984 Jul 30;307(1-2):355-8
The fine structures of the VIP-like immunoreactive neurons in the cat hypothalamus. Obata-Tsuto HL, et al. **Brain Res Bull** 1984 Mar;12(3):315-21
Serotoninergic endings on VIP-neurons in the suprachiasmatic nucleus and on ACTH-neurons in the arcuate nucleus of the rat hypothalamus. A combination of high resolution autoradiography and electron microscopic immunocytochemistry. Kiss J, et al. **Neurosci Lett** 1984 Feb 10;44(2):119-24
Morphological evidence for synaptic junctions between substance P-containing neurons in the arcuate nucleus of the rat. Tsuruo Y, et al. **Neurosci Lett** 1984 Apr 20; 46(1):65-9

PATHOLOGY

[2 notable aspects of the hypothalamic control of sexual functions. Feedback effect in the infundibular nucleus--hypertrophy of the subventricular nucleus] Ule G. **Nervenarzt** 1983 Dec;54(12):624-7 **(Ger)**

PHYSIOLOGY

Effect of gamma-aminobutyric acid on excitability of tubero-infundibular neurons in rat hypothalamic slices. Nishihara M, et al. **Endocrinol Jpn** 1983 Jun;30(3):311-7
Origin of insulin-receptive nerve terminals in rat median eminence. van Houten M, et al. **Endocrinology** 1983 Oct; 113(4):1393-9
The origin of thalamic inputs to the arcuate premotor and supplementary motor areas. Schell GR, et al. **J Neurosci** 1984 Feb;4(2):539-60
Opioid peptides have differential actions on sub-populations of arcuate neurones. MacMillan SJ, et al. **Life Sci** 1983;33 Suppl 1:529-32
Synchronizing role of serotonin in regulation of pituitary gonadotropic function in female rats. Babichev VN, et al. **Neurosci Behav Physiol** 1983 Mar-Apr;13(2):130-4
LH-RH in picomole concentrations evokes excitation and inhibition of rat arcuate neurones in vitro. Herbison AE, et al. **Neurosci Lett** 1984 May 18;46(3):311-5
Hypothalamic adrenergic activity precedes the preovulatory luteinizing hormone surge in the rat. MacKinnon PC, et al. **Neurosci Lett** 1983 Dec 30;43(2-3):221-6

PHYSIOPATHOLOGY

Reduced tuberoinfundibular dopaminergic neuronal function in rats with in situ prolactin-secreting pituitary tumors. Sarkar DK, et al. **Neuroendocrinology** 1984 Jun; 38(6):498-503

RADIATION EFFECTS

[Karyometric changes in the neurons of the hypothalamic and ependymal nuclei of the 3d cerebral ventricle in sheep after administration of Gn-RH and subsequent irradiation] Staníková A, et al. **Vet Med (Praha)** 1983 Sep;28(9):529-40 (Eng. Abstr.) **(Slo)**

ARCUS SENILIS see under **EYE DISEASES**

AREA HEALTH EDUCATION CENTERS see under **SCHOOLS, HEALTH OCCUPATIONS**

AREAWIDE PLANNING see **REGIONAL HEALTH PLANNING**

ARECA

Studies on the pathological effects of feeding betel-nut meal in albino rats. Saikia M, et al. **Br J Exp Pathol** 1983 Oct; 64(5):515-7
Induction of in vivo sister chromatid exchanges by arecaidine, a betel nut alkaloid, in mouse bone-marrow cells. Panigrahi GB, et al. **Cancer Lett** 1984 Jun; 23(2):189-92
Mutagenicity of betel quid and its ingredients using mammalian test systems. Shirname LP, et al. **Carcinogenesis** 1984 Apr;5(4):501-3
A study of betel quid carcinogenesis. 3. 3-(Methylnitrosamino)-propionitrile, a powerful carcinogen in F344 rats. Wenke G, et al. **Carcinogenesis** 1984 Sep;5(9):1137-40
Pilot survey of oral mucosa in areca (betel) nut chewers on Hainan Island of the People's Republic of China. Pindborg JJ, et al. **Community Dent Oral Epidemiol** 1984 Jun; 12(3):195-6
Modifying influences of betel quid ingredients on B(a)P-induced carcinogenesis in the buccal pouch of hamster. Rao AR. **Int J Cancer** 1984 May 15;33(5):581-6
A study of betel quid carcinogenesis. IV. Analysis of the saliva of betel chewers: a preliminary report. Wenke G, et al. **J Cancer Res Clin Oncol** 1984;108(1):110-3
Toothpastes containing betel nut (Areca catechu L.) from England of the nineteenth century. Reichart PA. **J Hist Med Allied Sci** 1984 Jan;39(1):65-8
Ultrastructural findings in the oral mucosa of betel chewers. Reichart P, et al. **J Oral Pathol** 1984 Apr;13(2):166-77
Reduction with vitamin A and beta-carotene administration of proportion of micronucleated buccal mucosal cells in Asian betal nut and tobacco chewers. Stich HF, et al. **Lancet** 1984 Jun 2;1(8388):1204-6
Sister chromatid exchanges in betel and tobacco chewers. Ghosh R, et al. **Mutat Res** 1984 Feb;139(2):79-81
The influence of pH on the convertogenic activity of plant phenolics. Rosin MP. **Mutat Res** 1984 Feb;135(2):109-13
Correlation of mutagenicity and tumorigenicity of betel quid and its ingredients. Shirname LP, et al. **Nutr Cancer** 1983; 5(2):87-91

ARECHOLIN see **ARECOLINE**

ARECOLINE

ANALOGS & DERIVATIVES

Induction of in vivo sister chromatid exchanges by arecaidine, a betel nut alkaloid, in mouse bone-marrow cells. Panigrahi GB, et al. **Cancer Lett** 1984 Jun; 23(2):189-92
[Structure- and conformation-activity relationships of heterocyclic acetylcholine analogs, 18. Synthesis and muscarine-type activity of sulfoarecaidine and sulfoisoarecaidine esters] Moser U, et al. **Arch Pharm (Weinheim)** 1983 Aug;316(8):670-7 (Eng. Abstr.) **(Ger)**

DIAGNOSTIC USE

A twin study of cholinergic REM induction. Nurnberger J Jr, et al. **Biol Psychiatry** 1983 Oct;18(10):1161-5

PHARMACODYNAMICS

Memory retention: effect of prolonged cholinergic stimulation in mice. Flood JF, et al. **Pharmacol Biochem Behav** 1984 Jan;20(1):161-3
Behavioral, physiological, and neuroendocrine responses to arecoline in normal twins and 'well state' bipolar patients. Nurnberger JI Jr, et al. **Psychiatry Res** 1983 Jul; 9(3):191-200
[Effect of prostaglandins on the sensitivity of cerebral cortical neurons in rabbits to cholinoreceptor agonists] Gromov AI. **Biol Nauki** 1983;(10):51-4 (Eng. Abstr.) **(Rus)**

TOXICITY

Arecoline tumorigenicity in Swiss strain mice on normal and vitamin B deficient diet. Bhide SV, et al. **J Cancer Res Clin Oncol** 1984;107(3):169-71
Influence of caffeine on arecoline-induced SCE in mouse bone-marrow cells in vivo. Panigrahi GB, et al. **Mutat Res** 1983 Dec;122(3-4):347-53

ARENAVIRIDAE

Variation among New and Old World arenaviruses. Howard CR, et al. **Trans R Soc Trop Med Hyg** 1984;78(3):299-306

ANALYSIS

Ribonucleic acids of Machupo and Lassa viruses. Lukashevich IS, et al. **Arch Virol** 1984;79(3-4):189-203
[Sedimentation analysis of the virion RNA of Machupo virus] Lukashevich IS, et al. **Vopr Virusol** 1983 Jul-Aug; 28(4):69-74 (Eng. Abstr.) **(Rus)**

GENETICS

The sequences of the N protein gene and intergenic region of the S RNA of pichinde arenavirus. Auperin DD, et al. **Virology** 1984 Apr 15;134(1):208-19

GROWTH & DEVELOPMENT

Reproduction of Lassa virus in different cell cultures. Lukashevich IS, et al. **Acta Virol (Praha)** 1983 May; 27(3):282-5

IMMUNOLOGY

Indirect solid-phase immunosorbent assay for detection of arenavirus antigens and antibodies. Ivanov AP, et al. **Acta Virol (Praha)** 1984 May;28(3):240-5
Inhibition of mouse peritoneal macrophage DNA synthesis by infection with the arenavirus Pichinde. Friedlander AM, et al. **Infect Immun** 1984 Jan;43(1):283-8
Passive antibody therapy of Lassa fever in cynomolgus monkeys: importance of neutralizing antibody and Lassa virus strain. Jahrling PB, et al. **Infect Immun** 1984 May; 44(2):528-33
Protection conferred against Junin virus infection in rats. Blejer JL, et al. **Intervirology** 1984;21(3):174-7
Pathogenicity of an attenuated strain (XJCl3) of Junin virus. Morphological and virological studies in experimentally infected guinea pigs. Laguens RM, et al. **Intervirology** 1983; 20(4):195-201
Protection of Lassa virus-infected guinea pigs with Lassa-immune plasma of guinea pig, primate, and human origin. Jahrling PB. **J Med Virol** 1983;12(2):93-102
Junin virus activity in two rural populations of the Argentine hemorrhagic fever (AHF) endemic area. Weissenbacher MC, et al. **J Med Virol** 1983;12(4):273-80
Importance of dose of neutralising antibodies in treatment of Argentine haemorrhagic fever with immune plasma. Enria DA, et al. **Lancet** 1984 Aug 4;2(8397):255-6
Possible approaches to a vaccine against Lassa fever. Clegg JC. **Trans R Soc Trop Med Hyg** 1984;78(3):307-10
[Responsibility of serological variants in chronic Junin virus infection (letter)] Lampuri JS, et al. **Medicina (B Aires)** 1983;43(6 Pt 1):733-4 **(Spa)**

PATHOGENICITY

Modification of Junin virus neutropism in the guinea pig model. Boxaca MC, et al. **Acta Virol (Praha)** 1984 May; 28(3):198-203
Transplacental infection in guinea pigs inoculated with an attenuated strain of Junin virus. Boxaca MC, et al. **Intervirology** 1984;21(3):178-80
Persistence of attenuated Junin virus strains in guinea pigs infected by IM or IC routes. Malumbres E, et al. **J Infect Dis** 1984 Jun;149(6):1022
[Experimental infection of a South American primate, the Cebus sp, with XJ strain of Junin virus] Carballal G, et al. **Medicina (B Aires)** 1983;43(6 Pt 1):639-46 (Eng. Abstr.) **(Spa)**
[Lethality produced by an attenuated Junin virus in suckling mice (letter)] Contigiani MS, et al. **Medicina (B Aires)** 1983; 43(6 Pt 1):737 **(Spa)**
[Analysis of chromosome aberrations and sister chromatid exchanges in human lymphocyte cultures infected with Junin virus (strain XJ-clone 3)(letter)] Hasson ER, et al. **Medicina (B Aires)** 1983;43(6 Pt 1):735-6 **(Spa)**

PHYSIOLOGY

Response of cells persistently infected with arenaviruses to superinfection with homotypic and heterotypic viruses. Damonte EB, et al. **Virology** 1983 Sep;129(2):474-8

ARENAVIRUS INFECTIONS

IMMUNOLOGY

Immune recognition of tumor cells in mice infected with Pichinde virus. Molomut N, et al.
Cancer Immunol Immunother 1984;17(1):56–61

Generation of memory cell–mediated immune responses after secondary infection of mice with pichinde virus. Walker CM, et al. **J Immunol** 1984 Jan;132(1):469–74

ARGENTAFFIN SYSTEM see **CHROMAFFIN SYSTEM**

ARGENTAFFINOMA see **CARCINOID TUMOR**

ARGINASE

ANALYSIS

Arginase activity and polyamine biosynthesis in psoriasis. Lauharanta J, et al. **Acta Derm Venereol (Stockh)** 1983; 63(4):277–82

Intrauterine malnutrition: amniotic fluid protein and enzymes in rats. Agarwal KN, et al. **Indian Pediatr** 1983 Sep; 20(9):651–8

BIOSYNTHESIS

Precocious induction of arginase in primary cultures of fetal rat hepatocytes. Husson A, et al. **In Vitro** 1984 Apr; 20(4):314–20

BLOOD

Arginase activity in peripheral erythrocytes in developing individuals. Kubota K, et al. **Kurume Med J** 1983; 30(3):103–5

[Effect of lead on erythrocyte arginase activities—an in vitro study] Fukumoto K, et al. **Sangyo Igaku** 1983 May; 25(3):188–9 **(Jpn)**

[Usefulness of determining serum arginase in acute and chronic hepatitis] Machalska M, et al. **Pol Tyg Lek** 1984 Apr 2;39(14):457–61 (Eng. Abstr.) **(Pol)**

[An improved method of determining serum arginase] Khramov VA, et al. **Vopr Med Khim** 1984 May–Jun; 30(3):135–7 **(Rus)**

DEFICIENCY

Hyperargininemia: the rat as a model for the human disease and the comparative response to enzyme replacement therapy with free arginase and arginase–loaded erythrocytes in vivo. Adriaenssens K, et al.
Int J Biochem 1984;16(7):779–86

Diagnosis and treatment of argininaemia. Characteristics of arginase in human erythrocytes and tissues. Endres W, et al. **J Inherited Metab Dis** 1984;7(1):8

Polyamine starvation prolongs the S and G2 phases of polyamine–dependent (arginase–deficient) CHO cells. Anehus S, et al. **Mol Cell Biol** 1984 May;4(5):915–22

GENETICS

Molecular cloning, DNA structure, and RNA analysis of the arginase gene in Saccharomyces cerevisiae. A study of cis–dominant regulatory mutations. Jauniaux JC, et al. **EMBO J** 1982;1(9):1125–31

IMMUNOLOGY

Contribution of macrophage arginase in the intrinsic restriction of herpes simplex virus replication in permissive macrophage cultures induced by gamma–interferon containing products of activated spleen cells. Sethi KK. **Immunobiology** 1983 Dec;165(5):459–74

Immunologic studies of arginase in tissues of normal human adult and arginase–deficient patients. Spector EB, et al. **Pediatr Res** 1983 Dec;17(12):941–4

ISOLATION & PURIFICATION

Purification & properties of arginase from Arachis hypogea L. seedlings. Desai HV. **Indian J Biochem Biophys** 1983 Aug;20(4):236–7

Spectroscopic study on the structure and stability of beef liver arginase. Rossi V, et al. **Int J Pept Protein Res** 1983 Aug;22(2):239–50

METABOLISM

Effect of developmental stage on arginase and urea production in the liver of rat. Paik WK, et al.
Biochem Med 1984 Jun;31(3):352–61

Demonstration of a concanavalin A–induced lymphokine enhancing arginase activity. Effect of presensitization by a skin allograft. Schneider E, et al. **Eur J Immunol** 1983 Dec;13(12):977–83

Arginase, ornithine decarboxylase and S–adenosylmethionine decarboxylase in chicken brain and retina. Grillo MA, et al. **Int J Biochem** 1983;15(8):1081–4

Identification of the apparently lymphocyte–specific human liver–derived inhibitory protein (LIP) as cytoplasmic liver L–arginase. Brusdeilins M, et al. **J Immunol** 1983 Nov; 131(5):2427–31

Activities of arginase, transamidinase, and ornithine aminotransferase in glia, neurons, and synaptosomes. Swamy M, et al. **J Neurosci Res** 1983;10(4):363–8

[Liver enzyme activity before and after surgical treatment of stomach cancer] Aleksandrovich GL, et al.
Khirurgiia (Mosk) 1984 Jun;(6):18–21 (Eng. Abstr.) **(Rus)**

[Effect of alcohol intoxication on activity of enzymes in ethanol oxidation and on arginase activity in rat liver] Gurtovenko VM, et al. **Vopr Med Khim** 1983 Jul–Aug; 29(4):51–4 (Eng. Abstr.) **(Rus)**

[Arginase activity in various tissues of rats in alcohol intoxication] Trapeznikova SS, et al. **Vopr Med Khim** 1983 Jul–Aug;29(4):95–8 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Uses of arginaseless cells in the study of polyamine metabolism (Neurospora crassa). Davis RH, et al.
Methods Enzymol 1983;94:112–7

THERAPEUTIC USE

A successful trial of enzyme replacement therapy in a case of argininemia. Sakiyama T, et al. **Tohoku J Exp Med** 1984 Mar;142(3):239–48

ARGININE

A putative processing enzyme from Aplysia that cleaves dynorphin A at the single arginine residue. Wallace EF, et al. **Biochem Biophys Res Commun** 1984 Feb 29; 119(1):415–22

Arginine residues in the active centers of muscle pyruvate dehydrogenase. Nemerya NS, et al. **Biochem Int** 1984 Mar; 8(3):369–76

L–serine binds to arginine–148 of the beta 2 subunit of Escherichia coli tryptophan synthase. Tanizawa K, et al. **Biochemistry** 1983 Jul 19;22(15):3594–603

Modification of apolipoprotein C–II with 1,2–cyclohexanedione and 2,3–butanedione. Role of arginine in the activation of lipoprotein lipase. Holdsworth G, et al. **Biochim Biophys Acta** 1984 Jul 26;794(3):472–8

The presence of essential arginine residues at the NADPH–binding sites of beta–ketoacyl reductase and enoyl reductase domains of the multifunctional fatty acid synthetase of chicken liver. Vernon CM, et al.
Biochim Biophys Acta 1984 Jul 17;788(1):124–31

Importance of arginine residues in the determination of the biological activity of human corticosteroid–binding globulin. Perini JM, et al. **Biochimie** 1983 Oct;65(10):579–83

Modification of arginines in bovine growth hormone. Wolfenstein–Todel C, et al. **Int J Pept Protein Res** 1983 Nov;22(5):611–6

Arginine modification in elastase. Effect on catalytic activity and conformation of the calcium–binding site. Davril M, et al. **J Biol Chem** 1984 Mar 25;259(6):3851–7

The role of arginyl residues in estrogen receptor activation and transformation. Müller RE, et al. **J Biol Chem** 1983 Oct 10;258(19):11582–9

[Role of arginine and histidine residues in the biological activity of botulinic neurotoxin A] Shibaeva IV, et al.
Biokhimiia 1983 Nov;48(11):1825–30 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Effect of various dietary arginine: lysine ratios on performance, carcass composition and plasma amino acid concentrations of growing–finishing swine. Anderson LC, et al. **J Anim Sci** 1984 Feb;58(2):362–8

Effects of excess arginine with and without supplemental lysine on performance, plasma amino acid concentrations and nitrogen balance of young swine. Anderson LC, et al. **J Anim Sci** 1984 Feb;58(2):369–77

Arginine requirement of the young pig. Southern LL, et al. **J Anim Sci** 1983 Aug;57(2):402–12

Improvement of nitrogen retention by arginine and glycine supplementation and its relation to collagen synthesis in traumatized mature and aged rats. Chyun JH, et al.
J Nutr 1984 Sep;114(9):1697–704

High arginine levels in intravenous hyperalimentation abrogate post–traumatic immune suppression. Barbul A, et al. **J Surg Res** 1984 Jun;36(6):620–4

Optimal levels of arginine in maintenance intravenous hyperalimentation. Barbul A, et al. **JPEN** 1984 May–Jun; 8(3):281–4

Oral administration of arginine and citrulline in the treatment of lysinuric protein intolerance. Mizutani N, et al.
Tohoku J Exp Med 1984 Jan;142(1):15–24

ADVERSE EFFECTS

[Paradoxical reaction of intracellular pH values during therapy of acid–base imbalance with arginine hydrochloride] Rothe KF, et al. **Anaesthesist** 1983 Nov; 32(11):532–7 (Eng. Abstr.) **(Ger)**

ANALOGS & DERIVATIVES

Preparation of Ng–Monoethyl–L–arginine. Cho YB, et al. **Anal Biochem** 1984 Jun;139(2):377–82

Enzymatic determination of subpicomole quantities of phospho–L–arginine in nerve cytoplasm. Lieberman EM. **Anal Biochem** 1983 Oct 15;134(2):413–23

A radiotechnique suitable for the detection of octopine synthesis in crown–gall tissues grown in vitro. Maille M. **Anal Biochem** 1983 Oct 1;134(1):133–6

Nitro analogs of substrates for argininosuccinate synthetase and argininosuccinate lyase. Raushel FM.
Arch Biochem Biophys 1984 Aug 1;232(2):520–5

Selective inhibition of the insulin–stimulated phosphorylation of the 95,000 dalton subunit of the insulin receptor by TAME or BAEE. Tamura S, et al.
Biochem Biophys Res Commun 1984 Mar 15;119(2):465–72

Low–temperature reactions of trypsin with p–nitroanilide substrates: tetrahedral intermediate formation or enzyme isomerization. Compton PD, et al. **Biochemistry** 1984 Jun 19;23(13):2989–94

The pH dependence of pre–steady–state and steady–state kinetics for the porcine pancreatic beta–kallikrein–B–catalyzed hydrolysis of N–alpha–carbobenzoxy–L–arginine p–nitrophenyl ester. Ascenzi P, et al. **Biochim Biophys Acta** 1984 Feb 28; 785(1–2):75–80

The inhibitory effects of N2–dansyl–L–arginine–4–t–butylpiperidine amide (TI233) on contraction of vascular and intestinal smooth muscle. Karaki H, et al. **Br J Pharmacol** 1983 Nov;80(3):519–25

Metabolism of NG–monomethyl–L–arginine. Paik WK, et al. **Can J Biochem Cell Biol** 1983 Aug;61(8):850–5

Synthesis of phosphocreatine and phosphoarginine by mitochondria from various sources. Hird FJ, et al.
Comp Biochem Physiol [B] 1983;76(1):41–6

31P–NMR studies of the freeze–tolerant larvae of the gall fly, Eurosta solidaginis. Storey KB, et al.
Eur J Biochem 1984 Aug 1;142(3):591–5

Metabolic cooperation between argininosuccinate synthetase and argininosuccinate lyase deficient human fibroblasts. Davidson JS, et al. **Exp Cell Res** 1984 Feb;150(2):367–78

trans–Acting virulence functions of the octopine Ti plasmid from Agrobacterium tumefaciens. Hille J, et al.
J Bacteriol 1984 May;158(2):754–6

Transfer of the octopine T–DNA segment to plant cells mediated by different types of Agrobacterium tumor– or root–inducing plasmids: generality of virulence systems. Hoekema A, et al. **J Bacteriol** 1984 Apr;158(1):383–5

Hydrolysis of phenylthiazolones of p–guanidinophenylalanine and arginine by trypsin and related enzymes. Tsunematsu H, et al.
J Biochem (Tokyo) 1983 Oct;94(4):1119–25

Bacillus subtilis 168 mutant resistant to arginine hydroxamate in the presence of ornithine or citrulline. Baumberg S, et al. **J Gen Microbiol** 1984 May;130 (Pt 5):1247–52

Prenatal diagnosis of argininosuccinicaciduria by analysis of cultured chorionic villi [letter] Vimal CM, et al. **Lancet** 1984 Sep 1;2(8401):521–2

Tumor cell proteinase visualization and quantification using a fluorescent transition–state analog probe. Kozlowski KA, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(4):1135–9

Deviation from Michaelis–Menten kinetics for esterase E–II from the venom of Bitis gabonica, using synthetic arginine amides as substrates. Cloete F, et al. **Toxicon** 1983; 21(6):857–69

[Degradation of lens crystallins by benzoyl–arginine–naphthylamide cleavage activity in the bovine iris and ciliary body] Fukuyo T, et al.
Nippon Ganka Gakkai Zasshi 1983;87(11):1212–5 (Eng. Abstr.) **(Jpn)**

[Leukocyte alkaline phosphatase—with special reference to electrophoresis, inhibitors and heat inactivation] Ueda N, et al. **Rinsho Byori** 1983 Oct;31(10):1131–4 **(Jpn)**

ANALYSIS

Essential arginine residues of creatine kinase from beef heart mitochondria. Severin SE, et al. **Biochem Int** 1983 Feb; 6(2):149–56

Hb F–Calluna or alpha 2 gamma 2(12 Thr replaced by Arg; 75Ile; 136Ala) in a Caucasian baby. Nakatsuji T, et al.
Hemoglobin 1983;7(6):563–6

Quantitative determination of monosubstituted guanidines: a comparative study of different procedures. Parniak MA, et al. **J Biochem Biophys Methods** 1983 Jul;7(4):267–76

BIOSYNTHESIS

Arginine biosynthesis in Legionella pneumophila: absence of N–acetylglutamate synthetase. Tesh MJ, et al.
Can J Microbiol 1983 Sep;29(9):1230–3

Complementation of argG and hisA mutations of Escherichia coli by DNA cloned from the archaebacterium Methanococcus voltae. Wood AG, et al. **J Bacteriol** 1983 Oct;156(1):19–29

BLOOD

A fluorometric method for the specific determination of serum arginine with 2,3–naphthalenedicarbaldehyde. Miura T, et al. **Anal Biochem** 1984 Jun;139(2):432–7

Hyperargininemia: clinical course and treatment with sodium benzoate and phenylacetic acid. Mizutani N, et al.
Brain Dev 1983;5(6):555–63

Whole body nitrogen kinetics in man: determination from plasma [guanidino–15N]arginine. Yudkoff M, et al.
Clin Sci 1984 Mar;66(3):337–42

Diagnosis and treatment of argininaemia. Characteristics of arginase in human erythrocytes and tissues. Endres W, et al. **J Inherited Metab Dis** 1984;7(1):8

A new French–Canadian family affected by hyperargininaemia. Qureshi IA, et al.
J Inherited Metab Dis 1983;6(4):179–82

Hyperargininemia: effect of ornithine and lysine supplementation. Kang SS, et al. **J Pediatr** 1983 Nov; 103(5):763–5

Treatment of hyperargininemia with sodium benzoate and arginine-restricted diet. Qureshi IA, et al. **J Pediatr** 1984 Mar;104(3):473–6

Immunologic studies of arginase in tissues of normal human adult and arginase-deficient patients. Spector EB, et al. **Pediatr Res** 1983 Dec;17(12):941–4

A successful trial of enzyme replacement therapy in a case of argininemia. Sakiyama T, et al. **Tohoku J Exp Med** 1984 Mar;142(3):239–48

DEFICIENCY

Dietary arginine deprivation and delayed puberty in the female rat. Pau MY, et al. **J Nutr** 1984 Jan;114(1):112–8

DIAGNOSTIC USE

A comparison of clonidine and standard provocative agents of growth hormone. Slover RH, et al. **Am J Dis Child** 1984 Mar;138(3):314–7

Adaptation of B and A cell function during prolonged glucose infusion in human subjects. Ward WK, et al. **Am J Physiol** 1984 May;246(5 Pt 1):E405–11

Pancreatic alpha cell autoantibodies and glucagon response to arginine. Winter WE, et al. **Diabetes** 1984 May; 33(5):435–7

[Effects of L-arginine on glucagon and insulin secretion in patients with acute kidney failure] Kuska J, et al. **Z Gesamte Inn Med** 1984 Feb 1;39(3):43–6 (Eng. Abstr.) **(Ger)**

[The variation of low molecular weight protein level after intravenous arginine administration—correlation between renal tubular function and the level of beta 2-microglobulin] Shinazato K. **Nippon Jinzo Gakkai Shi** 1983 Nov;25(11):1349–65 (Eng. Abstr.) **(Jpn)**

GENETICS

[Selective effect of p-aminobenzoic acid on mutagenesis: phenotypic analysis of the Arg+-revertants induced by N-nitroso-N-methylurea in the Escherichia coli K-12 AB1157 strain] Vasil'eva SV, et al. **Genetika (Moskva)** 1983 Nov;19(11):1916–20 (Eng. Abstr.) **(Rus)**

METABOLISM

Catabolism of arginine by the mixed bacteria in human salivary sediment under conditions of low and high glucose concentration. Kanapka JA, et al. **Arch Oral Biol** 1983; 28(11):1007–15

Essential arginine residues for catalytic and regulatory functions of alpha-ketoglutarate dehydrogenase from pigeon breast muscle. Stafeeva OA, et al. **Biochem Int** 1983 Mar;6(3):315–21

Modification of arginines in D-beta-hydroxybutyrate dehydrogenase. Fleer E, et al. **Biochim Biophys Acta** 1983 Nov 28;749(1):1–8

Metabolism of glycerate-2,3-P2-III. Arginine-specific reagents inactivate the phosphoglycerate mutase, glycerate-2,3-P2 synthase and glycerate-2,3-P2 phosphatase activities of rabbit muscle phosphoglycerate mutase. Berrocal F, et al. **Comp Biochem Physiol [B]** 1983; 76(1):9–14

Pharmacokinetics of arginine and aspartic acid administered simultaneously in the rat—III: Changes in the levels of amino acids in the plasma, liver and brain after simultaneous administration of arginine and aspartic acid. Campistron G, et al. **Eur J Drug Metab Pharmacokinet** 1983 Jul–Sep; 8(3):281–6

Inhibition of growth of mammalian cell cultures by extracts of arginine-utilizing mycoplasmas. Sasaki T, et al. **In Vitro** 1984 May;20(5):369–75

Mobilization of vacuolar arginine in Neurospora crassa. Mechanism and role of glutamine. Legerton TL, et al. **J Biol Chem** 1984 Jul 25;259(14):8875–9

An arginine/histidine exchange transport system in vacuolar-membrane vesicles of Saccharomyces cerevisiae. Sato T, et al. **J Biol Chem** 1984 Sep 25;259(18):11509–11

Restoration of aerial mycelium and antibiotic production in a Streptomyces griseoflavus arginine auxotroph. Ochi K, et al. **J Gen Microbiol** 1984 Aug;130 (Pt 8):2007–13

Developmental defects resulting from arginine auxotrophy in Aspergillus nidulans. Serlupi-Crescenzi O, et al. **J Gen Microbiol** 1983 Nov;129 (Pt 11):3535–44

L-arginine utilization by Pseudomonas species. Stalon V, et al. **J Gen Microbiol** 1984 Jan;130 (Pt 1):69–76

Arginine metabolism in mouse brain synaptosomes. Johnson JL, et al. **J Neurochem** 1984 Apr;42(4):1123–6

Urea cycle function in the dog with emphasis on the role of arginine. Czarnecki GL, et al. **J Nutr** 1984 Mar; 114(3):581–90

A sodium-independent mechanism for L-arginine uptake by rat renal brush border membrane vesicles. Jean T, et al. **Membr Biochem** 1983;5(1):1–18

Arginine degradation in Pseudomonas aeruginosa mutants blocked in two arginine catabolic pathways. Haas D, et al. **MGG** 1984;193(3):437–44

Transport of basic aminoacids in E. coli. Di Girolamo M, et al. **Microbiologica** 1984 Apr;7(2):151–8

The pathway of arginine catabolism in the parasitic flagellate Trichomonas vaginalis. Linstead D, et al. **Mol Biochem Parasitol** 1983 Jul;8(3):241–52

Apparent synergism between amino donors for CTP synthesis in Chinese hamster fibroblasts. McLaren JD, et al. **Mol Cell Biochem** 1983;57(2):167–75

Changes in protein degradation in chickens due to an inflammatory challenge. Klasing KC, et al. **Proc Soc Exp Biol Med** 1984 Jul;176(3):292–6

PHARMACODYNAMICS

Arginine hydrochloride stimulation of serum potassium and aldosterone is enhanced by somatostatin-28. Barron JL, et al. **Acta Endocrinol (Copenh)** 1984 Mar;105(3):407–10

Growth hormone, prolactin and insulin following arginine infusion in primary hyperparathyroidism before and after parathyroidectomy. Schernthaner G, et al. **Acta Endocrinol (Copenh)** 1983 Oct;104(2):206–9

Comparison of physiologic and pharmacologic assessment of growth hormone secretion. Siegel SF, et al. **Am J Dis Child** 1984 Jun;138(6):540–3

Mechanism of arginine protection against ammonia intoxication in the rat. Goodman MW, et al. **Am J Physiol** 1984 Sep;247(3 Pt 1):G290–5

Mechanism of arginine-stimulated Ca2+ influx into pancreatic B cell. Herchuelz A, et al. **Am J Physiol** 1984 Jan;246(1 Pt 1):E38–43

Effects of arginine aspartate and its components on growth hormone, insulin and glucagon secretion in the rat. Franchimont P, et al. **Arch Int Pharmacodyn Ther** 1984 Jan;267(1):161–8

The influence of amines on various platelet responses. Houston DS, et al. **Biochim Biophys Acta** 1983 Oct 12; 734(2):267–73

Dissociation of glucose stimulation of somatostatin and insulin release from glucose inhibition of glucagon release in the isolated perfused rat pancreas. Sorenson RL, et al. **Diabetes** 1983 Jun;32(6 Pt 1):561–7

Time-dependent inhibition of insulin release: suppression of the arginine effect by hyperglycaemia. Nesher R, et al. **Diabetologia** 1984 Feb;26(2):142–5

Time-dependent inhibition of insulin release: glucose-arginine interactions in the perfused rat pancreas. Nesher R, et al. **Diabetologia** 1984 Feb;26(2):146–9

Effect of Ala-2-D-Trp-8-D-Cys-14-somatostatin on the arginine induced release of insulin, GH and glucagon in normal men. Gonzalez-Barcena D, et al. **Endocr Res** 1984; 10(1):39–48

Glucagon secretory responses to insulin-induced hypoglycemia and arginine in streptozotocin-induced diabetic dogs. Gotoh M, et al. **Endocrinol Jpn** 1983 Aug; 30(4):443–50

The effect of glucose, tolbutamide, and arginine on C-peptide release during remission in type I diabetes mellitus. Vetter U, et al. **Eur J Pediatr** 1983 Sep;140(4):305–10

Pancreatic A cell response to arginine in the hibernating hedgehog (Erinaceus europaeus). Hoo-Paris R, et al. **Gen Comp Endocrinol** 1983 Oct;52(1):157–63

Effects of graded levels of lysine and excess arginine and threonine on young pigs fed practical diets. Rosell VL, et al. **J Anim Sci** 1984 Jul;59(1):135–40

Cholinergic mediation of growth hormone secretion elicited by arginine, clonidine, and physical exercise in man. Casanueva FF, et al. **J Clin Endocrinol Metab** 1984 Sep; 59(3):526–30

Fate of frog virus 3 DNA replicated in the nucleus of arginine-deprived CHO cells. Martin JP, et al. **J Gen Virol** 1984 Apr;65 (Pt 4):721–32

Effects of injecting excess arginine on rat pancreas. Mizunuma T, et al. **J Nutr** 1984 Mar;114(3):467–71

Effect of arginine deprivation on murine cytomegalovirus replication. Aono J, et al. **Microbiol Immunol** 1984; 28(1):129–33

Effects of arginine and cold exposure on secretory responses of insulin, glucagon and 11-hydroxycorticosteroids in piglets. Takahashi H. **Nippon Juigaku Zasshi** 1984 Apr; 46(2):167–73

DNA sequence of the carA gene and the control region of carAB: tandem promoters, respectively controlled by arginine and the pyrimidines, regulate the synthesis of carbamoyl-phosphate synthetase in Escherichia coli K-12. Piette J, et al. **Proc Natl Acad Sci USA** 1984 Jul; 81(13):4134–8

Testosterone treatment and arginine-induced growth hormone stimulation in male delayed puberty: effects on serum calcium, phosphate and vitamin D metabolites. Hyldstrup L, et al. **Scand J Clin Lab Invest** 1984 Jun; 44(4):335–9

[Responses of alpha and beta cells of the pancreas to arginine during cardiopulmonary bypass] Hamaji M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Sep;31(9):1344–51 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Arginine thiazolidinecarboxylate in the treatment of chronic active hepatitis: double-blind comparison with placebo. Miracco A, et al. **J Int Med Res** 1984;12(1):35–9

Arginine-responsive asymptomatic hyperammonemia in the premature infant. Batshaw ML, et al. **J Pediatr** 1984 Jul; 105(1):86–91

ARGININE CARBOXYPEPTIDASE see under **CARBOXYPEPTIDASES**

ARGININE KINASE see under **PHOSPHOTRANSFERASES, ATP**

ARGININE OXYTOCIN see **VASOTOCIN**

ARGININE VASOPRESSIN see **ARGIPRESSIN**

ARGININE VASOTOCIN see **VASOTOCIN**

ARGININOSUCCINATE LYASE see under **LYASES**

ARGININOSUCCINATE SYNTHETASE see under **LIGASES**

ARGININOSUCCINIC ACID see under **ARGININE**

ARGINYL T RNA SYNTHETASE see under **AMINO ACYL T RNA SYNTHETASES**

ARGIPRESSIN

ADMINISTRATION & DOSAGE

Intranasal deamino-8-D-arginine vasopressin shortens the bleeding time in uremia. Shapiro MD, et al. **Am J Nephrol** 1984;4(4):260–1

The effect of DDAVP on plasma levels of von Willebrand antigen II in normal individuals and patients with von Willebrand's disease. McCarroll DR, et al. **Blood** 1984 Mar; 63(3):532–5

Cerebrospinal fluid pressure during cerebroventricular infusion of angiotensin and vasopressin. Barbella YR, et al. **Exp Neurol** 1983 Nov;82(2):325–34

The subcutaneous administration of the vasopressin analogue 1-desamino-8-D-arginine vasopressin in patients with von Willebrand's disease and hemophilia. Köhler M, et al. **Klin Wochenschr** 1984 Jun 1;62(11):543–8

DDAVP: review of indications for its use in the treatment of factor VIII deficiency and report of a case. Eastman JR, et al. **Oral Surg** 1983 Sep;56(3):246–51

Des-amino-D-arginine vasopressin does not increase circulating levels of prostacyclin or thromboxane A2 during infusion in man [letter] Barrow SE, et al. **Thromb Haemost** 1983 Aug 30;50(2):622

[Experiences with the intranasal and parenteral use of 1-desamino-8-D-arginine vasopressin (DDAVP)—effect of one time parenteral and intranasal applications] Tuschy U, et al. **Z Gesamte Inn Med** 1983 Aug 15;38(16):450–2 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Facial flushing induced by vasopressin-like peptides lacking pressor activity [letter] Pigache RM. **Br J Clin Pharmacol** 1984 Mar;17(3):369–71

[Exogenous allergic alveolitis] Il'kovich MM, et al. **Probl Tuberk** 1983 Aug;(8):36–8 (Eng. Abstr.) **(Rus)**

ANALOGS & DERIVATIVES

Lack of effect of desglycinamide-arginine-vasopressin (DGAVP) on memory in patients with korsakoff's syndrome. Laczi F, et al. **Acta Endocrinol (Copenh)** 1983 Oct;104(2):177–82

Effect of the vasopressin antagonist d/CH2/5Tyr/Et/VAVP on the antidiuretic action of exogenous and endogenous vasopressin. László FA, et al. **Acta Endocrinol (Copenh)** 1984 May;106(1):52–5

Prevention of hyponatraemia and cerebral oedema by the vasopressin antagonist d/CH2/5Tyr/Et/VAVP in rats treated with pitressin tannate. László FA, et al. **Acta Endocrinol (Copenh)** 1984 May;106(1):56–60

Effect of the vasopressin antagonist d(CH2)5 Tyr(Et)VAVP on diuresis in rat. László FA, et al. **Acta Med Hung** 1984; 41(1):65–73

Water intoxication in infants caused by the urine concentration test with vasopressin analogue (DDAVP). Koskimies O, et al. **Acta Paediatr Scand** 1984 Jan; 73(1):131–2

Does vasopressin sustain blood pressure of normally hydrated healthy volunteers? Bussien JP, et al. **Am J Physiol** 1984 Jan;246(1 Pt 2):H143–7

Covalent linkage of [Phe2,Phe(p-N3)3]AVP to vasopressin receptors. Eggena P, et al. **Am J Physiol** 1984 May;246(5 Pt 1):C486–93

Further in vivo evidence for antagonist-to-antidiuretic action of arginine vasopressin. Ishikawa S, et al. **Am J Physiol** 1983 Nov;245(5 Pt 1):R713–9

Effect of vasopressin antagonist and saralasin on regional blood flow following hemorrhage. Pang CC. **Am J Physiol** 1983 Nov;245(5 Pt 1):H749–55

Effect of long- and short-term antidiuretic hormone availability on internephron heterogeneity in the adult rat. Trinh-Trang-Tan MM, et al. **Am J Physiol** 1984 Jun;246(6 Pt 2):F879–88

[1,6-alpha-aminosuberic acid,3-(p-azidophenylalanine), 8-arginine] vasopressin as a photoaffinity label for renal vasopressin receptors: an evaluation. Fahrenholz F, et al. **Biochem Biophys Res Commun** 1984 Aug 16;122(3):974–82

Synthesis and characterization of iodinated vasopressin antagonists which retain high affinity for the vasopressin receptor. Moore ML, et al. **Biochem Biophys Res Commun** 1984 Jun 29;121(3):878–83

Facial flushing induced by vasopressin-like peptides lacking pressor activity [letter] Pigache RM. **Br J Clin Pharmacol** 1984 Mar;17(3):369–71

Irreversible stimulation of hydroosmotic response in toad bladder by photoaffinity labeling with [Phe2,Phe-(p-N3)3]Vasopressin. Eggena P, et al. **Endocrinology** 1983 Oct;113(4):1413–21

A vasopressin antagonist blocks the norepinephrine and epinephrine responses to hemorrhage in the fetus. Rose JC, et al. **Endocrinology** 1983 Dec;113(6):2314–6

Antidiuretic response in conscious dogs following peroral administration of arginine vasopressin and its analogues. Vilhardt H, et al. **Eur J Pharmacol** 1983 Sep 30; 93(3–4):201–4

Blood pressure and heart rate effect of a vasopressin antagonist in conscious normotensive rats pretreated with exogenous vasopressin. Waeber B, et al. **Eur J Pharmacol** 1983 Jul 15;91(1):135–7

Marsupial neurohypophysial hormones: identification of mesotocin, lysine vasopressin, and phenypressin in the quokka wallaby (Setonix brachyurus). Chauvet MT, et al. **Gen Comp Endocrinol** 1983 Aug;51(2):309–15

Neurohypophyseal peptides and the eye: use of synthetic analogs in analyzing effects on the pupil. Horowitz J, et al. **Graefes Arch Clin Exp Ophthalmol** 1983;220(6):253–6

Effects of a specific inhibitor of the vascular action of vasopressin in humans. Gavras H, et al. **Hypertension** 1984 Mar–Apr;6(2 Pt 2):I156–60

Antidiuretic and pressor activities of vasopressin analogs with L-alaninamide and D-alaninamide substitutions at position 9. Buku A, et al. **Int J Pept Protein Res** 1984 May; 23(5):551–7

Influence of sarcosine or N-methylalanine in position 7 on the antagonistic properties of [1-deaminopenicillamine]- and [1-(beta-mercapto-beta, beta-cyclopentylmethylene-propionic acid)]-vasopressin. Gazis D, et al. **Int J Pept Protein Res** 1984 Jan;23(1):78–83

[1,6-alpha-aminosuberic acid, 3-(p-azidophenylalanine), 8-arginine] vasopressin: a new photoaffinity label for hydroosmotic hormone receptors. Characterization of the ligand and irreversible stimulation of hydroosmotic water flow in toad bladder by photoaffinity labeling. Fahrenholz F, et al. **J Biol Chem** 1983 Dec 25;258(24):14861–7

Role of arginine vasopressin and angiotensin II in cardiovascular responses to combined acute hypoxemia and hypercapnic acidosis in conscious dogs. Rose CE Jr, et al. **J Clin Invest** 1984 Aug;74(2):321–31

Potent and selective antagonists of the antidiuretic responses to arginine-vasopressin based on modifications of [1-(beta-mercapto-beta,beta-pentamethylenepropionic acid),2-D-isoleucine,4-valine]arginine-vasopressin at position 4. Manning M, et al. **J Med Chem** 1984 Apr; 27(4):423–9

Potent antagonists of the antidiuretic responses to arginine-vasopressin based on modifications of [1-(beta-mercapto-beta,beta-cyclopentamethylenepropion acid),2-D-phenylalanine,4-valine]arginine-vasopressin at position 4. Manning M, et al. **J Med Chem** 1983 Nov; 26(11):1607–13

Do vasopressin-related peptides induce hippocampal corticosterone receptors? Implications for aging. Sapolsky RM, et al. **J Neurosci** 1984 Jun;4(6):1479–85

Carboxy terminus of vasopressin required for activity but not binding. Manning M, et al. **Nature** 1984 Apr 12–18; 308(5960):652–3

Hormonally active arginine-vasopressin suppresses endotoxin-induced fever in rats: lack of effect of oxytocin and a behaviorally active vasopressin fragment. Kovács GL, et al. **Neuroendocrinology** 1983 Oct;37(4):258–61

Cardiovascular response to vasopressin vasopressor antagonist administration during water deprivation in the rat. Rockhold RW, et al. **Neuroendocrinology** 1984 Feb; 38(2):139–44

Neuropeptides related to neurohypophyseal hormones interfere with apomorphine-induced behavioral changes. Xiao XS, et al. **Neuropeptides** 1984 May;4(3):237–45

The effect of a vasopressin antagonist on the pressor response to histamine administered centrally. Gatti PJ, et al. **Neuropharmacology** 1983 Jul;22(7):895–902

Effects of peptides related to neurohypophyseal hormones on ethanol tolerance. Rigter H, et al. **Pharmacol Biochem Behav** 1980;13 Suppl 1:285–90

Vascular effects of arginine-vasopressin, angiotensin and noradrenaline in adrenal insufficiency. Ishikawa S, et al. **Prog Brain Res** 1983;60:469–71

Des-Gly9-[Arg8]-vasopressin may facilitate methadone detoxification of heroin addicts. van Beek-Verbeek G, et al. **Subst Alcohol Actions Misuse** 1983;4(5):375–82

Reduced effect of exercise and DDAVP on factor VIII-von Willebrand Factor and plasminogen activator after sequential application of both the stimuli. Vicente V, et al. **Thromb Haemost** 1984 Feb 28;51(1):129–30

[Effect of a vasopressin analog on the chemoreactive properties of sensorimotor cortex neurons] Kruglikov RI, et al. **Biull Eksp Biol Med** 1983 Oct;96(10):3–5 (Eng. Abstr.) **(Rus)**

ANALYSIS

Measurement of 8-arginine-vasopressin by radioimmunoassay. Development and application to urine and plasma samples using one extraction method. Glänzer K, et al. **Acta Endocrinol (Copenh)** 1984 Jul;106(3):317–29

Substances resembling C-terminal vasopressin fragments are present in the brain but not in the pituitary gland. Burbach JP, et al. **Brain Res** 1984 Jul 23;306(1–2):384–7

Arginine-vasopressin content of hippocampus and amygdala during passive avoidance behavior in rats. Laczi F, et al. **Brain Res** 1983 Dec 5;280(2):309–15

Effects of dehydration and renin on vasopressin concentration in the subfornical organ area. Summy-Long JY, et al. **Brain Res** 1984 May 23;300(2):219–29

Radioimmunoassay of vasotocin, vasopressin, and oxytocin in human neonatal cerebrospinal and amniotic fluid. Artman HG, et al. **Dev Pharmacol Ther** 1984;7(1):39–49

Vasopressin in cerebrospinal fluid (CSF) and plasma of conscious rabbits—circadian variations. Günther O, et al. **Exp Clin Endocrinol** 1984 May;83(3):367–9

Levels of vasopressin and oxytocin in neurohypophysis and plasma of the postnatally developing rat and the influence of hypothyroidism on rat fetuses. Wolf G, et al. **Exp Clin Endocrinol** 1984 May;83(3):251–5

Neurohypophysial hormones in the adrenal medulla. Ang VT, et al. **J Clin Endocrinol Metab** 1984 Apr;58(4):688–91

Immunoreactive arginine-vasopressin in Brattleboro rat ovary. Lim AT, et al. **Nature** 1984 Jul 5–11;310(5972):61–4

Brattleboro rat adrenal contains vasopressin. Nussey SS, et al. **Nature** 1984 Jul 5–11;310(5972):64–6

Neurohypophysial peptides and the hippocampus. I. Vasopressin immunoreactivity in the rat hippocampus. Tiberiis BE, et al. **Neuropeptides** 1983 Dec;4(1):65–72

Immunocytochemistry of the C-terminal peptide of propressophysin (CPP): relationship to vasopressin, oxytocin and neurophysin. Watson SJ, et al. **Neuropeptides** 1983 Jul;3(5):321–36

Biorhythm of arginine- vasopressin in the paraventricular, supraoptic and suprachiasmatic nuclei of rats. Noto T, et al. **Peptides (Fayetteville)** 1983 Nov–Dec;4(6):875–8

ANTAGONISTS & INHIBITORS

Effects of a specific inhibitor of the vascular action of vasopressin in humans. Gavras H, et al. **Hypertension** 1984 Mar–Apr;6(2 Pt 2):I156–60

Cardiovascular hemodynamics and vasopressin blockade in DOCA-salt hypertensive rats. Yamamoto J, et al. **Hypertension** 1984 May–Jun;6(3):397–407

Hemodynamic effects of antagonists of the vasoconstrictor action of vasopressin in conscious dogs. Liard JF, et al. **J Cardiovasc Pharmacol** 1984 Jul–Aug;6(4):713–9

The effect of a vasopressin antagonist on the pressor response to histamine administered centrally. Gatti PJ, et al. **Neuropharmacology** 1983 Jul;22(7):895–902

BIOSYNTHESIS

Onset of neurophysin self-association upon neurophysin/neuropeptide hormone precursor biosynthesis. Chaiken IM, et al. **FEBS Lett** 1983 Dec 12; 164(2):361–5

BLOOD

The response of plasma arginine vasopressin to 14 h water deprivation in the elderly. Li CH, et al. **Acta Endocrinol (Copenh)** 1984 Mar;105(3):314–7

The stimulatory effect of a non-opiate beta-endorphin fragment on arginine-vasopressin release in rats. Laczi F, et al. **Acta Med Hung** 1984;41(1):55–63

Separation and purification of blood plasma arginine vasopressin on Sephadex G-50M for subsequent radioimmunoassay. Lishajko F. **Acta Physiol Scand** 1983 Aug;118(4):361–7

Effects of captopril on arterial blood pressure, plasma renin activity and vasopressin concentration in sodium-repleted and sodium-deficient goats. A serial study during pregnancy, lactation and anestrus. Olsson K, et al. **Acta Physiol Scand** 1984 May;121(1):73–80

Alterations in coronary blood flow induced by cigarette smoking: lack of relation to plasma arginine vasopressin concentrations. Nicod P, et al. **Am J Cardiol** 1984 Sep 1; 54(6):667–8

Effects of bilateral vagal cold block on vasopressin in conscious dogs. Bishop VS, et al. **Am J Physiol** 1984 Apr; 246(4 Pt 2):R566–9

Effect of increased intracardiac and arterial pressure on plasma vasopressin in humans. Goldsmith SR, et al. **Am J Physiol** 1984 May;246(5 Pt 2):H647–51

Vasopressin, ACTH, and blood pressure during hypoxia induced at different rates. Raff H, et al. **Am J Physiol** 1983 Nov;245(5 Pt 1):E489–93

Influence of left ventricular receptor stimulation on plasma vasopressin in conscious dogs. Zucker IH, et al. **Am J Physiol** 1983 Dec;245(6):R792–9

Specificity of a cytochemical bioassay for arginine-vasopressin and its validation for plasma measurement. Smith A, et al. **Biosci Rep** 1984 Feb; 4(2):109–14

Enkephalin inhibition of angiotensin-stimulated release of oxytocin and vasopressin. Keil LC, et al. **Brain Res** 1984 Apr 16;297(2):329–36

A solid phase radioimmunoassay for human plasma arginine vasopressin. Burd J, et al. **Clin Chim Acta** 1984 Jan 31; 136(2–3):251–6

Plasma arginine vasopressin in dehydrated elderly patients. Kirland J, et al. **Clin Endocrinol (Oxf)** 1984 Apr;20(4):451–6

Effect of metoclopramide in plasma vasopressin in man. Nomura K, et al. **Clin Endocrinol (Oxf)** 1984 Aug; 21(2):117–21

Arterial pressure and plasma vasopressin: regulation by neurons in the caudal ventrolateral medulla of the rabbit. Blessing WW, et al. **Clin Exp Hypertens [A]** 1984; 6(1–2):149–56 (27 ref.)

The effect of a non-selective lipophilic beta-blocker on the blood pressure and noradrenaline, vasopressin, cortisol and renin release during alcohol withdrawal. Potter JF, et al. **Clin Exp Hypertens [A]** 1984;6(6):1147–60

Effect of indapamide on renal plasma flow, glomerular filtration rate and arginine vasopressin in plasma in essential hypertension. Pedersen EB, et al. **Eur J Clin Pharmacol** 1984;26(5):543–7

Ascending noradrenergic projections from the brainstem: evidence for a major role in the regulation of blood pressure and vasopressin secretion. Lightman SL, et al. **Exp Brain Res** 1984;55(1):145–51

Effect of TRH on plasma arginine vasopressin. Husain Jawadi M, et al. **Horm Res** 1984;19(2):91–6

Impaired response of plasma vasopressin to orthostatic stress in patients with congestive heart failure. Goldsmith SR, et al. **J Am Coll Cardiol** 1983 Dec;2(6):1080–3

Carbamazepine diminishes the sensitivity of the plasma arginine vasopressin response to osmotic stimulation. Gold PW, et al. **J Clin Endocrinol Metab** 1983 Nov;57(5):952–7

Propressophysin in human blood: a possible marker of ectopic vasopressin production. Yamaji T, et al. **J Clin Endocrinol Metab** 1984 Sep;59(3):505–12

Role of arginine vasopressin and angiotensin II in cardiovascular responses to combined acute hypoxemia and hypercapnic acidosis in conscious dogs. Rose CE Jr, et al. **J Clin Invest** 1984 Aug;74(2):321–31

Plasma arginine vasopressin concentrations in epileptics under monotherapy. Krause KH, et al. **J Neurol** 1983; 230(3):193–6

Obstetric determinants of plasma vasopressin concentrations and renin activity at birth. Pohjavuori M. **J Pediatr** 1983 Dec;103(6):966–8

Effect of prolonged indomethacin therapy on renal function and selected vasoactive hormones in very-low-birth-weight infants with symptomatic patent ductus arteriosus. Seyberth HW, et al. **J Pediatr** 1983 Dec; 103(6):979–84

Natriuretic response of the rat to plasma concentrations of arginine vasopressin within the physiological range. Balment RJ, et al. **J Physiol (Lond)** 1984 Jul;352:517–26

Vasoactive hormones in children with chronic renal failure. Rauh W, et al. **Kidney Int [Suppl]** 1983 Nov;15:S27–33

Relationship between plasma arginine vasopressin and renal water handling in decompensated cirrhosis. Epstein M, et al. **Miner Electrolyte Metab** 1984;10(3):155–65

A sensitive radioimmunoassay for measuring plasma anti-diuretic hormone in man. Sadler WA, et al. **NZ Med J** 1983 Nov 23;96(744):959–63

The relationship between plasma vasopressin concentration and urinary excretion during left atrial distension in anaesthetized dogs. Ledsome JR, et al. **Pflugers Arch** 1984 Apr;400(4):381–7

Plasma and cerebrospinal fluid vasopressin and osmolality in relation to thirst. Szczepańska-Sadowska E, et al. **Pflugers Arch** 1984 Mar;400(3):294–9

[Study of antidiuretic hormones (arginine vasopressin) in 24 cases of primary adrenal insufficiency] Salomez-Granier F, et al. **Ann Endocrinol (Paris)** 1983;44(6):371–6 (Eng. Abstr.) **(Fre)**

CEREBROSPINAL FLUID

Vasopressin in blood and third ventricle CSF of dogs in chronic experiments. Simon-Oppermann C, et al. **Am J Physiol** 1983 Oct;245(4):R541–8

Vasopressin in blood and third ventricle CSF during dehydration, thirst, and hemorrhage. Szczepańska-Sadowska E, et al. **Am J Physiol** 1983 Oct; 245(4):R549–55

Vasopressin and oxytocin in cerebrospinal fluid and plasma of conscious rabbits—response to dehydration and haemorrhage. Landgraf R, et al. **Biomed Biochim Acta** 1983; 42(10):1339–41

Levels of arginine-vasopressin in cerebrospinal fluid during passive avoidance behavior in rats. Laczi F, et al. **Life Sci** 1984 Jun 11;34(24):2385–91

Does DDAVP (1-desamino-8-D-arginine-vasopressin) cross the blood-CSF barrier? Stegner H, et al. **Neuroendocrinology** 1983 Oct;37(4):262–5

DIAGNOSTIC USE

Improved hemophilia A carrier detection by DDAVP stimulation of factor VIII. Kobrinsky NL, et al. **J Pediatr** 1984 May;104(5):718–24

[Determination of renal concentrating ability using the DDAVP test in healthy children] Misselwitz J, et al. **Kinderarztl Prax** 1983 Aug;51(8):381–7 (Eng. Abstr.) **(Ger)**

[Experiences with intranasal and parenteral use of 1-desamino-8-D-arginine vasopressin (DDAVP). Use in the diagnosis of hypophyseal function] Tuschy U, et al. **Z Gesamte Inn Med** 1983 Sep 1;38(17):475–7 (Eng. Abstr.) **(Ger)**

[A warning about the kidney concentrating test in children using DDAVP as suggested by Janda and his associates]

Neméthová V, et al. **Cesk Pediatr** 1983 Nov;38(11):686–7 (Slo)

GENETICS

Two multigene families for marsupial neurohypophysial hormones? Identification of oxytocin, mesotocin, lysipressin and arginine vasopressin in the North American opossum (Didelphis virginiana). Chauvet J, et al. **Biochem Biophys Res Commun** 1984 Aug 30;123(1):306–11

Structural organization of the rat gene for the arginine vasopressin–neurophysin precursor. Schmale H, et al. **EMBO J** 1983;2(5):763–7

Recent gene conversion involving bovine vasopressin and oxytocin precursor genes suggested by nucleotide sequence. Ruppert S, et al. **Nature** 1984 Apr 5–11; 308(5959):554–7

Characterization of the size and 5' cap of messenger RNA encoding neurophysin precursors. Hough CJ, et al. **Nucleic Acids Res** 1984 May 25;12(10):4397–410

Characterization of the 'giant precursors' (70–80K) of vasopressin and oxytocin in the rat hypothalamus. Moore GJ, et al. **Prog Brain Res** 1983;60:253–6

The structure of the precursor to arginine–vasopressin: a model preprohormone. Richter D, et al. **Prog Brain Res** 1983;60:227–33

ISOLATION & PURIFICATION

Isolation of melanotropins and vasopressin from neuro–intermediate lobes of bovine pituitary glands. A simplified procedure. Hammond GL, et al. **Int J Pept Protein Res** 1983 Aug;22(2):161–3

METABOLISM

Tritiation of vasopressin analogues and their metabolic fate after intravenous injection in the rat. Janáky T, et al. **Acta Med Hung** 1984;41(1):43–54

Aromatic L-amino acid decarboxylase in the rat brain: coexistence with vasopressin in small neurons of the suprachiasmatic nucleus. Jaeger CB, et al. **Brain Res** 1983 Oct 16;276(2):362–6

Hormonal abnormalities affecting sodium and water balance in acute respiratory failure due to chronic obstructive lung disease. Farber MO, et al. **Chest** 1984 Jan;85(1):49–54

Permeability of the sheep placenta to 125I–arginine vasopressin. Stegner H, et al. **Dev Pharmacol Ther** 1984; 7(2):140–4

Arginine vasopressin metabolic clearance and production rates in fetal sheep, pregnant ewes, and lambs. Stegner H, et al. **Dev Pharmacol Ther** 1984;7(2):87–93

Arginine vasopressin and adrenocorticotropin release: correlation between binding characteristics and biological activity in anterior pituitary dispersed cells. Spinedi E, et al. **Endocrinology** 1984 Jun;114(6):2247–51

Vasopressin and oxytocin in genetically hypertensive rats of the Lyon strain. Gauquelin G, et al. **J Cardiovasc Pharmacol** 1984 Jan–Feb;6(1):94–8

In vivo biosynthesis and transport of oxytocin, vasopressin, and neurophysins to posterior pituitary and nucleus of the solitary tract. White JD, et al. **J Neurosci** 1984 May; 4(5):1262–70

Vasopressin in plasma and cerebrospinal fluid of hydrated and dehydrated steers. Doris PA, et al. **Neuroendocrinology** 1984 Apr;38(4):290–6

Arginine–vasopressin binding sites in rat brain: a quantitative autoradiographic study. Biegon A, et al. **Neurosci Lett** 1984 Feb 24;44(3):229–34

Light microscopic autoradiographic localization of [3H]arginine–vasopressin binding sites in the rat brain and kidney. Van Leeuwen FW, et al. **Neurosci Lett** 1983 Oct 31;41(1–2):61–6

Characterization and localization of 3H–arginine8–vasopressin binding to rat kidney and brain tissue. Dorsa DM, et al. **Peptides (Fayetteville)** 1983 Sep–Oct;4(5):699–706

Characterization of 3H-AVP binding sites in particulate preparations of rat brain. Pearlmutter AF, et al. **Peptides (Fayetteville)** 1983 May–Jun;4(3):335–41

PHARMACODYNAMICS

Antidiuretic effect of perorally administered DDAVP in hydrated humans. Vilhardt H, et al. **Acta Endocrinol (Copenh)** 1984 Apr;105(4):474–6

Synergistic interaction of corticotropin releasing factor and arginine vasopressin on adrenocorticotropin and cortisol secretion in Macaca fuscata. Hashimoto K, et al. **Acta Med Okayama** 1984 Jun;38(3):261–7

Effects of vasopressin and angiotensin II on vascular pressures in conscious dogs. Bie P, et al. **Acta Med Scand [Suppl]** 1983;677:48–51

Effects on intravascular pressures of vasopressin and angiotensin II in dogs. Bie P, et al. **Am J Physiol** 1983 Dec;245(6):R906–14

Long-term blood pressure and metabolic effects of vasopressin with servo-controlled fluid volume. Cowley AW Jr, et al. **Am J Physiol** 1984 Sep;247(3 Pt 2):R537–45

Inhibition of vasopressin action by vanadate in the cortical collecting tubule. Edwards RM, et al. **Am J Physiol** 1983 Dec;245(6):F772–7

Effect of exogenous vasopressin on vasopressin release. Engel PA, et al. **Am J Physiol** 1984 Feb;246(2 Pt 1):E202–7

Ontogenesis of hormone-dependent adenylate cyclase in isolated rat nephron segments. Imbert-Teboul M, et al. **Am J Physiol** 1984 Aug;247(2 Pt 2):F316–25

Further in vivo evidence for antagonist-to-antidiuretic action of arginine vasopressin. Ishikawa S, et al. **Am J Physiol** 1983 Nov;245(5 Pt 1):R713–9

Vascular effects of arginine vasopressin, angiotensin II, and norepinephrine in adrenal insufficiency. Ishikawa S, et al. **Am J Physiol** 1984 Jan;246(1 Pt 2):H104–13

Vasopressin rapidly stimulates Ca2+ efflux from intracellular pool in quiescent Swiss 3T3 cells. Lopez-Rivas A, et al. **Am J Physiol** 1984 Sep;247(3 Pt 1):C156–62

Interactions of vasopressin, prostaglandins, and cAMP in rat renal papillary collecting tubule cells in culture. Sato M, et al. **Am J Physiol** 1984 Sep;247(3 Pt 2):F423–33

Effect of long- and short-term antidiuretic hormone availability on internephron heterogeneity in the adult rat. Trinh-Trang-Tan MM, et al. **Am J Physiol** 1984 Jun;246(6 Pt 2):F879–88

Vasopressin stimulates growth of renal epithelial cells in culture. Walsh-Reitz MM, et al. **Am J Physiol** 1983 Nov; 245(5 Pt 1):C365–70

Effect of arginine vasopressin, acetazolamide, and angiotensin II on CSF pressure at simulated altitude. Senay LC Jr, et al. **Aviat Space Environ Med** 1984 May;55(5):370–6

Vasopressin prolongs bradycardiac response during orientation. Hagan JJ, et al. **Behav Neural Biol** 1984 May; 41(1):77–83

Effect of ACTH and vasopressin on extinction: evidence of opiate mediation. DeVito WJ, et al. **Behav Neurosci** 1984 Feb;98(1):59–71

The role of calcium in the stimulation of prostaglandin synthesis by vasopressin in rabbit renal-medullary interstitial cells in tissue culture. Ausiello DA, et al. **Biochem J** 1984 May 15;220(1):139–45

Rapid accumulation of inositol phosphates in isolated rat superior cervical sympathetic ganglia exposed to V1-vasopressin and muscarinic cholinergic stimuli. Bone EA, et al. **Biochem J** 1984 Aug 1;221(3):803–11

Effects of adrenergic agents, vasopressin and ionophore A23187, on the phosphorylation of, and flux through, phenylalanine hydroxylase in rat liver cells. Fisher MJ, et al. **Biochem J** 1984 Apr 1;219(1):87–90

A transient increase in diacylglycerols is associated with the action of vasopressin on hepatocytes. Hughes BP, et al. **Biochem J** 1984 Sep 1;222(2):535–40

Vasopressin and angiotensin control the activity of liver phosphodiesterase. Keppens S, et al. **Biochem J** 1984 Aug 15;222(1):277–80

Noradrenaline, vasopressin and angiotensin increase Ca2+ influx by opening a common pool of Ca2+ channels in isolated rat liver cells. Mauger JP, et al. **Biochem J** 1984 Jul 1;221(1):121–7

Effects of vasopressin and corticosterone on fatty acid metabolism and on the activities of glycerol phosphate acyltransferase and phosphatidate phosphohydrolase in rat hepatocytes. Pollard AD, et al. **Biochem J** 1984 Jan 15; 217(2):461–9

Sensitivity of liver cells formed after partial hepatectomy to glucagon, vasopressin and angiotensin II. Huerta-Bahena J, et al. **Biochim Biophys Acta** 1983 Sep 22;763(2):120–4

Inositol administration restores the sensitivity of liver cells formed during liver regeneration to alpha 1-adrenergic amines, vasopressin and angiotensin II. Huerta-Bahena J, et al. **Biochim Biophys Acta** 1983 Sep 22;763(2):125–8

Effect of DDAVP on plasma levels of factor VII and XII. Brommer EJ, et al. **Br J Haematol** 1984 May;57(1):173–5

The effect of desamino-D-arginine vasopressin (DDAVP) and naloxone infusions on factor VIII and possible endothelial cell (EC) related activities. Moffat EH, et al. **Br J Haematol** 1984 Aug;57(4):651–62

Effect of DDAVP on contact phase of blood coagulation [letter] Vicente V, et al. **Br J Haematol** 1984 Apr; 56(4):679–80

Normotensive and spontaneously-hypertensive rats show differences in sensitivity to arginine-vasopressin as a modulator of noradrenaline release from brainstem slices. Gardner CR, et al. **Brain Res** 1984 Jan 30;292(1):71–80

Microinjection of vasopressin and two related peptides into the amygdala: enhancing effect on local dopamine neurotransmission. van Heuven-Nolsen D, et al. **Brain Res** 1984 Feb 13;293(1):191–5

Arginine-vasopressin inhibits centrally induced pressor responses by involving hippocampal mechanisms. Versteeg CA, et al. **Brain Res** 1984 Feb 6;292(2):317–26

Influence of vasopressin and angiotensin on baroreflexes in the dog. Cowley AW Jr, et al. **Circ Res** 1984 Feb; 54(2):163–72

Inhibition of pressor responses induced by electrical stimulation of the mesencephalon by vasopressin and oxytocin. de Jong W, et al. **Clin Exp Hypertens [A]** 1984; 6(1–2):139–47

The effects of a chronic infusion of arginine vasopressin in salt-restricted, water-deprived man. Drew PJ, et al. **Clin Sci** 1984 Sep;67(3):353–8

The stimulation of Na+, K+-ATPase activity in the medulla of the rat kidney by [arginine] vasopressin and its analogues. Pippard C, et al. **Clin Sci** 1984 May;66(5):561–7

Regulation of Ca2+-Mg2+-ATPase activity in hepatocyte plasma membranes by vasopressin and phenylephrine. Lin SH, et al. **Endocrinology** 1983 Dec;113(6):2268–75

Studies of the nature of the interaction between vasopressin and corticotropin-releasing factor on adrenocorticotropin release in the rat. Rivier C, et al. **Endocrinology** 1984 Sep; 115(3):882–6

Adrenocorticotropin and beta-endorphin release from rat adenohypophysis in vitro: inhibition by prostaglandin E2 formed locally in response to vasopressin and corticotropin-releasing factor. Vlaskovska M, et al. **Endocrinology** 1984 Sep;115(3):895–903

Control of glycogen synthase phosphorylation in isolated rat hepatocytes by epinephrine, vasopressin and glucagon. Ciudad C, et al. **Eur J Biochem** 1984 Aug 1;142(3):511–20

Antidiuretic response in conscious dogs following peroral administration of arginine vasopressin and its analogues. Vilhardt H, et al. **Eur J Pharmacol** 1983 Sep 30; 93(3–4):201–4

The impairment of osmoregulation in the rat offsprings of hyperadiuretic mothers is probably of renal nature. Lichardus B, et al. **Exp Clin Endocrinol** 1983 Jul; 82(1):107–10

Inhibitory effect of fasting on the activation of liver glycogen phosphorylase of rats by arginine-vasopressin. Németh S. **Exp Clin Endocrinol** 1983 Jul;82(1):104–6

Absence of endotoxin-fever but not hyperthermia in Brattleboro rats. Kandasamy SB, et al. **Experientia** 1983 Dec 15;39(12):1343–4

Phosphorylation of a 16-kDa protein by diacylglycerol-activated protein kinase C in vitro and by vasopressin in intact hepatocytes. Cooper RH, et al. **FEBS Lett** 1984 Jan 23;166(1):125–30

Hypothyroidism abolishes the glycogenolytic effect of vasopressin, angiotensin II and A23187 but not that of alpha 1-adrenergic amines in rat hepatocytes. Corvera S, et al. **FEBS Lett** 1983 Mar 21;153(2):366–8

Vasopressin inhibits the adenylate cyclase activity of human platelet particulate fraction through V1-receptors. Vanderwel M, et al. **FEBS Lett** 1983 Dec 12;164(2):340–4

Actions of vasopressin, oxytocin, and synthetic analogs on vascular smooth muscle. Altura BM, et al. **Fed Proc** 1984 Jan;43(1):80–6

Influence of estrogen and progesterone on the uterine sensitivity in vitro to neuropituitary hormones in the Brazilian marsupial Didelphis albiventris: comparison with lactating animals. Ladosky W, et al. **Gen Comp Endocrinol** 1984 Jan;53(1):69–77

Effect of vasopressin neuropeptides and ACTH fragments on the human cardiovascular and respiratory systems at rest and during exercise. Bakharev VD, et al. **Hum Physiol** 1983 Jul–Aug;9(4):288–93

Effect of arginine-vasopressin neuropeptide on human tolerance of a hot dry environment. Bakharev VD, et al. **Hum Physiol** 1983 Sep–Oct;9(5):361–8

Effect of 8-arginine-vasopressin during adaptation to hyperthermia. Zgoda NV, et al. **Hum Physiol** 1983 Sep–Oct;9(5):369–76

Renin–aldosterone axis in ethanol intoxication: effect of an ADH analogue (desaminocys1-D-arg8-vasopressin, DDAVP). Nieminen MM, et al. **Int J Clin Pharmacol Ther Toxicol** 1983 Nov;21(11):558–62

Central effects of thyrotropin-releasing hormone and arginine vasopressin on intraocular pressure in rabbits. Krupin T, et al. **Invest Ophthalmol Vis Sci** 1984 Aug; 25(8):932–7

Subcellular site and mechanism of vasopressin-stimulated hydrolysis of phosphoinositides in rat hepatocytes. Seyfred MA, et al. **J Biol Chem** 1984 Jun 25;259(12):7666–72

Apical-basolateral membrane asymmetry in canine cortical collecting tubule cells. Bradykinin, arginine vasopressin, prostaglandin E2 interrelationships. Garcia-Perez A, et al. **J Clin Invest** 1984 Jul;74(1):63–74

Functional characterization of the alpha adrenergic receptor modulating the hydroosmotic effect of vasopressin on the rabbit cortical collecting tubule. Krothapalli RK, et al. **J Clin Invest** 1984 Mar;73(3):740–9

In-vitro effects of corticosterone, synthetic ovine corticotrophin releasing factor and arginine vasopressin on the release of adrenocorticotrophin by fetal rat pituitary glands. Dupouy JP, et al. **J Endocrinol** 1984 Jun; 101(3):339–44

Effect of prostaglandin E2 on adenylate cyclase system in human kidney cell cultures: interactions with parathormone and arginine-vasopressin. Rotella CM, et al. **J Endocrinol Invest** 1983 Oct;6(5):369–74

Potent and selective antagonists of the antidiuretic responses to arginine-vasopressin based on modifications of [1-(beta-mercapto-beta,beta-pentamethylenepropionic acid),2-D-isoleucine,4- valine]arginine-vasopressin at position 4. Manning M, et al. **J Med Chem** 1984 Apr; 27(4):423–9

Mechanism of action of vasopressin on prostaglandin synthesis and vascular function in the isolated rat kidney: effect of calcium antagonists and calmodulin inhibitors. Cooper CL, et al. **J Pharmacol Exp Ther** 1984 Apr; 229(1):139–47

The effect of vasopressin on renal blood flow and its distribution in the rat. Azzawi SA, et al. **J Physiol (Lond)** 1983 Aug;341:233–44

Effect of vasopressin on prostaglandin excretion in conscious dogs. Fejes-Tóth G, et al. **J Physiol (Lond)** 1983 Nov; 344:389–97

Stimulation of prostaglandin production in rat glomerular epithelial cells by antidiuretic hormone. Lieberthal W, et al. **Kidney Int** 1984 May;25(5):766–70

Shortening of bleeding time by 1-deamino-8-D-arginine vasopressin in various bleeding disorders. Kobrinsky NL, et al. **Lancet** 1984 May 26;1(8387):1145-8

Vasopressin and the kindling of seizures. Corcoran ME, et al. **Life Sci** 1984 Aug 27;35(9):947-52

Effect of calcium membrane blockers on in vivo vasoconstrictor properties of norepinephrine, angiotensin II and vasopressin. Goldberg JP, et al. **Miner Electrolyte Metab** 1984;10(3):178-83

Interrelationship between subpressor effects of vasopressin and other vasoactive hormones in the rat. Ishikawa S, et al. **Miner Electrolyte Metab** 1984;10(3):184-9

Platelet aggregation induced by DDAVP in platelet-type von Willebrand's disease [letter] Takahashi H, et al. **N Engl J Med** 1984 Mar 15;310(11):722-3

No role of vasopressin in stress-induced ACTH secretion? [news] Baertschi AJ, et al. **Nature** 1984 Mar 1-7; 308(5954):85-6

Central target for the behavioural effects of vasopressin neuropeptides. de Wied D, et al. **Nature** 1984 Mar 15-21; 308(5956):276-8

Carboxy terminus of vasopressin required for activity but not binding. Manning M, et al. **Nature** 1984 Apr 12-18; 308(5960):652-3

DDAVP in uremia [letter] Vicente V, et al. **Nephron** 1984; 36(2):145-6

Pituitary receptors for corticotropin-releasing factor: no effect of vasopressin on binding or activation of adenylate cyclase. Holmes MC, et al. **Neuroendocrinology** 1984 Aug; 39(2):162-9

Interaction of synthetic ovine corticotropin releasing factor and arginine vasopressin on in vitro ACTH release by the anterior pituitary of rats. Murakami K, et al. **Neuroendocrinology** 1984 Jul;39(1):49-53

Angiotensin II and ACTH release: site of action and potency relative to corticotropin releasing factor and vasopressin. Spinedi E, et al. **Neuroendocrinology** 1983 Dec;37(6):446-53

The effects of vasopressin on positively rewarded responding and on locomotor activity in rats. Andrews JS, et al. **Neuropeptides** 1983 Dec;4(1):17-29

Neurohypophysial peptides and the hippocampus. II. Excitation of rat hippocampal neurones by oxytocin and vasopressin applied in vitro. Tiberiis BE, et al. **Neuropeptides** 1983 Dec;4(1):73-86

Arginine vasopressin and arginine vasotocin inhibit ovine fetal/maternal water transfer. Leake RD, et al. **Pediatr Res** 1983 Jul;17(7):583-6

Evidence that the effects of arginine-8-vasopressin (AVP) on pituitary corticotropin (ACTH) release are mediated by a novel type of receptor. Antoni FA, et al. **Peptides (Fayetteville)** 1984 May-Jun;5(3):519-22

Oxytocin as well as vasopressin potentiate ovine CRF in vitro. Antoni FA, et al. **Peptides (Fayetteville)** 1983 Jul-Aug;4(4):411-5

Vasopressin analog influences the performance of males on a reaction time task. Beckwith BE, et al. **Peptides (Fayetteville)** 1983 Sep-Oct;4(5):707-9

Intracerebroventricular and septal injections of arginine vasopressin are not antipyretic in the rabbit. Bernardini GL, et al. **Peptides (Fayetteville)** 1983 Mar-Apr;4(2):195-8

Vasopressin administration to neonatal rats reduces antidiuretic response in adult kidneys. Handelmann GE, et al. **Peptides (Fayetteville)** 1983 Nov-Dec;4(6):827-32

Thermoregulatory, behavioral and seizure modulatory effects of AVP in the gerbil. Lee RJ, et al. **Peptides (Fayetteville)** 1983 Nov-Dec;4(6):801-5

Amastatin potentiates the behavioral effects of vasopressin and oxytocin in mice. Meisenberg G, et al. **Peptides (Fayetteville)** 1984 May-Jun;5(3):535-9

Effect of vasopressin on open field and activity behavior of the vasopressin-deficient (Brattleboro) rat. Williams AR, et al. **Peptides (Fayetteville)** 1983 Sep-Oct;4(5):717-20

Central cardiovascular effects of mammalian neurohypophyseal peptides in conscious rats. Zerbe RL, et al. **Peptides (Fayetteville)** 1983 Sep-Oct;4(5):627-30

Effects of antidiuretic hormone on electrolyte reabsorption and secretion in distal tubules of rat kidney. Elalouf JM, et al. **Pflugers Arch** 1984 Jun;401(2):167-73

Effects of solute concentration on vasopressin stimulated cyclic AMP generation in the rat medullary thick ascending limbs of Henle's loop. Torikai S, et al. **Pflugers Arch** 1984 Mar;400(3):306-8

Neurohypophyseal peptide influences on ethanol tolerance and acute effects of ethanol. Hoffman PL, et al. **Pharmacol Biochem Behav** 1980;13 Suppl 1:279-84

Arginine vasopressin enhances retention of morphine tolerance. Moore JE. **Pharmacol Biochem Behav** 1983 Oct; 19(4):561-5

Specificity of the effect of desglycinamide (8-D-arginine) deaminovasopressin on short-term memory. Burešová O, et al. **Physiol Bohemoslov** 1983;32(5):403-8

Excitation of hippocampal neurones by posterior pituitary peptides: vasopressin and oxytocin compared. Mühlethaler M, et al. **Prog Brain Res** 1983;60:147-51

Interaction of vasopressin and prostaglandins in the nonpregnant human uterus. Laudański T, et al. **Prostaglandins** 1984 Mar;27(3):441-52

The effect of vasopressin on memory in the healthy elderly. Nebes RD, et al. **Psychiatry Res** 1984 Jan;11(1):49-59

Factor VIII-related activities after 1-deamino-8-D-arginine vasopressin in multicentric reticulohistiocytosis. Taddeo U, et al. **Ric Clin Lab** 1984 Jan-Mar;14(1):37-9

The use of desmopressin (DDAVP) in the preparation of improved factor VIII concentrate. Mikaelsson M, et al. **Scand J Haematol [Suppl]** 1984;40:93-101

Vasopressin injected into the hypothalamus triggers a stereotypic behavior in golden hamsters. Ferris CF, et al. **Science** 1984 May 4;224(4648):521-3

The inability of propranolol and aspirin to inhibit the response of fibrinolytic activity and factor VIII-antigen to infusion of DDAVP. Brommer EJ, et al. **Thromb Haemost** 1984 Feb 28;51(1):42-4

A comparative study using immunological and biological assay of the haemostatic responses to DDAVP infusion venous occlusion and exercise in normal men. Prowse CV, et al. **Thromb Haemost** 1984 Feb 28;51(1):110-4

DDAVP: does the drug have a direct effect on the vessel wall? Barnhart MI, et al. **Thromb Res** 1983 Jul 15; 31(2):239-53

Effects of DDAVP and venous occlusion on the release of tissue-type plasminogen activator and von Willebrand factor in patients with panhypopituitarism. Juhan-Vague I, et al. **Thromb Res** 1984 Mar 15;33(6):653-9

Evidence for an endothelial cell dysfunction in association with Behçet's disease. Schmitz-Huebner U, et al. **Thromb Res** 1984 May 15;34(4):277-85

Alteration in surface substructure of frog urinary bladder by calcium ionophore, verapamil and antidiuretic hormone. Mia AJ, et al. **Tissue Cell** 1983;15(5):737-48

[Experiences with intranasal and parenteral use of 1-desamino-8-D-arginine vasopressin (DDAVP). Use in a simple test of renal concentrating ability] Tuschy U, et al. **Z Gesamte Inn Med** 1984 Jun 1;39(11):265-8 (Eng. Abstr.) **(Ger)**

[Effect of Pitressin (8-arginine vasopressin) on the lower esophageal sphincter in dogs] Watanabe M, et al. **Nippon Geka Gakkai Zasshi** 1984 Mar;85(3):231-7 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Role of vasopressin in cardiac, pulmonary, hepatic, and adrenal disorders. Bichet DG, et al. **Adv Nephrol** 1984; 13:51-74 (75 ref.)

Role of AVP in maintenance of circulatory homeostasis during hemorrhagic shock. Hock CE, et al. **Am J Physiol** 1984 Feb;246(2 Pt 2):H174-9

Role of angiotensin II, alpha-adrenergic system, and arginine vasopressin on arterial pressure in rat. Paller MS, et al. **Am J Physiol** 1984 Jan;246(1 Pt 2):H25-30

Vasopressin: mediator of the clinical signs of fetal distress [letter] Rosenfeld CR, et al. **Br J Obstet Gynaecol** 1984 Apr;91(4):412-3

Release of immunoassayable neurohypophyseal peptides from rat spinal cord, in vivo. Pittman QJ, et al. **Brain Res** 1984 May 23;300(2):321-6

Mechanisms of escape from desmopressin in the rat. Gross PA, et al. **Circ Res** 1983 Dec;53(6):794-804

The sympatho-adrenal system and vasopressin in cardiovascular responses to A1 lesions. West MJ, et al. **Clin Exp Hypertens [A]** 1984;6(1-2):157-70

Effects of vasopressin antiserum on the response of adrenocorticotropin and cortisol to hemorrhage. Carlson DE, et al. **Endocrinology** 1984 Feb;114(2):317-24

Role of vasopressin in cardiovascular regulation. Cowley AW Jr, et al. **Fed Proc** 1983 Dec;42(15):3170-6

Arginine vasopressin modulates the central action of angiotensin II in the dog. Michelini LC, et al. **Hypertension** 1983 Nov-Dec;5(6 Pt 3):V94-100

Arginine vasopressin potentiates adrenocorticotropin release induced by ovine corticotropin-releasing factor. DeBold CR, et al. **J Clin Invest** 1984 Feb;73(2):533-8

Role of vasopressin in support of blood pressure in potassium deficient rats. Paller MS, et al. **Kidney Int** 1983 Sep; 24(3):342-7

Osmoregulation and renal effects of vasopressin in normal and mildly hypertensive subjects. Thibonnier M, et al. **Kidney Int** 1984 Feb;25(2):411-5

Angiotensin II increases ACTH release in the absence of endogenous arginine-vasopressin. Spinedi E, et al. **Life Sci** 1984 Feb 20;34(8):721-9

Peripheral pressor effects of sympathetic stimulation, noradrenaline, angiotensin II and vasopressin in Brattleboro rats. Feuerstein G, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Mar; 325(3):247-50

Hormonally active arginine-vasopressin suppresses endotoxin-induced fever in rats: lack of effect of oxytocin and a behaviorally active vasopressin fragment. Kovács GL, et al. **Neuroendocrinology** 1983 Oct;37(4):258-61

Role of arginine vasopressin in blood pressure control in young rats. Herin P, et al. **Pediatr Res** 1984 Aug; 18(8):701-4

Presence of vasopressin, oxytocin and neurophysin in the retina of mammals, effect of light and darkness, comparison with the neuropeptide content of the neurohypophysis and the pineal gland. Gauquelin G, et al. **Peptides (Fayetteville)** 1983 Jul-Aug;4(4):509-15

Vasopressin vascular and reflex effects--a theoretical analysis. Cowley AW Jr, et al. **Prog Brain Res** 1983; 60:415-24

Vascular effects of arginine-vasopressin, angiotensin and noradrenaline in adrenal insufficiency. Ishikawa S, et al. **Prog Brain Res** 1983;60:469-71

SECRETION

Influence of daily sodium intake on vasopressin secretion and drinking in dogs. Cowley AW Jr, et al. **Am J Physiol** 1983 Dec;245(6):R860-72

Altered osmotic thresholds for vasopressin secretion and thirst in human pregnancy. Davison JM, et al. **Am J Physiol** 1984 Jan;246(1 Pt 2):F105-9

The effect of fentanyl on arginine vasopressin and cortisol secretion during anesthesia. Lehtinen AM, et al. **Anesth Analg** 1984 Jan;63(1):25-30

Increased motor disturbances in response to arginine vasopressin following hemorrhage or hypertonic saline: evidence for central AVP release in rats. Burnard DM, et al. **Brain Res** 1983 Aug 22;273(1):59-65

Effect of the serotonin reuptake inhibitor fluoxetine on corticotropin-releasing factor and vasopressin secretion into hypophysial portal blood. Gibbs DM, et al. **Brain Res** 1983 Nov 28;280(1):176-9

Posterior pituitary function in health and disease. Baylis PH. **Clin Endocrinol Metab** 1983 Nov;12(3):747-70 (91 ref.)

Reduction of hypothalamic norepinephrine does not alter the osmoregulation of vasopressin in rats. Kamoi K, et al. **Endocrinology** 1984 Jun;114(6):2123-7

Feedback inhibition of adrenocorticotropin and vasopressin responses to hypoxia by physiological increases in endogenous plasma corticosteroids in dogs. Raff H, et al. **Endocrinology** 1984 Apr;114(4):1245-9

Role of volume in the regulation of vasopressin secretion during pregnancy in the rat. Barron WM, et al. **J Clin Invest** 1984 Apr;73(4):923-32

Release of vasopressin in response to hypoxia and the effect of aminergic and opioid antagonists. Forsling ML, et al. **J Endocrinol** 1983 Oct;99(1):77-86

Dissociation of oxytocin, vasopressin and corticotropin secretion during different types of stress. Gibbs DM. **Life Sci** 1984 Jul 30;35(5):487-91

The effect of hypoxia on neurohypophyseal hormone release in fetal and maternal sheep. Stegner H, et al. **Pediatr Res** 1984 Feb;18(2):188-91

Activation of vasopressinergic and oxytocinergic neurons during aging in the Wistar rat. Fliers E, et al. **Peptides (Fayetteville)** 1983 Mar-Apr;4(2):165-70

Central nervous system mediators of vasopressin release. Sklar AH, et al. **Physiol Rev** 1983 Oct;63(4):1243-80 (235 ref.)

[Neurohypophysis, Nelson's syndrome and opioids] Aguilar-Parada E, et al. **Gac Med Mex** 1983 Oct; 119(10):420-2 **(Spa)**

THERAPEUTIC USE

Treatment of acute sickle cell crises with a vasopressin analogue. Charache S, et al. **Am J Hematol** 1983 Dec; 15(4):315-9

Familial central diabetes insipidus: vasopressin and nicotine stimulated neurophysin deficiency with subnormal oxytocin and estrogen stimulated neurophysin. Blackett PR, et al. **Am J Med Sci** 1983 Nov-Dec;286(3):42-6

1-Deamino-8-D-arginine vasopressin as a therapy for the bleeding diathesis of renal failure. Watson AJ, et al. **Am J Nephrol** 1984 Jan-Feb;4(1):49-51

Effect of vasopressin on memory following electroconvulsive therapy. Lerer B, et al. **Biol Psychiatry** 1983 Jul;18(7):821-4

DDAVP enhances platelet adherence and platelet aggregate growth on human artery subendothelium. Sakariassen KS, et al. **Blood** 1984 Jul;64(1):229-36

DDAVP and tranexamic acid for dental extractions in a mild haemophiliac. Shankar S, et al. **Br Dent J** 1984 Jun 23; 156(12):450-2

Response of factor XII to DDAVP in patients with Hageman factor deficiency. Gamba G, et al. **Br J Haematol** 1983 Dec;55(4):713-5

High, vasopressin-reversible, immunoreactive somatostatin in specific hypothalamic nuclei of rats with diabetes insipidus (Brattleboro rats). Saavedra JM, et al. **Brain Res** 1983 Oct 24;277(1):23-30

Combined desmopressin (DDAVP) and chlorpropamide therapy for diabetes insipidus with absent thirst. Redmond GP, et al. **Cleve Clin Q** 1983 Fall;50(3):351-2

The use of desmopressin (DDAVP) for nocturia in women with multiple sclerosis. Hilton P, et al. **J Neurol Neurosurg Psychiatry** 1983 Sep;46(9):854-5

Management of nocturnal enuresis with a vasopressin analogue. Terho P, et al. **J Urol** 1984 May;131(5):925-7

Desmopressin acetate (DDAVP). Good news [editorial] Kasper CK. **JAMA** 1984 May 18;251(19):2564-5

DDAVP in haemophilia and von Willebrand's disease [editorial] **Lancet** 1983 Oct 1;2(8353):774-5

Desmopressin for hemophilia and other coagulation disorders. **Med Lett Drugs Ther** 1984 Aug 31;26(669):82

1-Deamino-8-d-arginine vasopressin (DDAVP): a potential new treatment for the bleeding diathesis of acute renal failure. Watson AJ, et al. **Pharmatherapeutica** 1984; 3(9):618-22

Treatment of neonatal diabetes insipidus with desmopressin. Giacoia GP, et al. **South Med J** 1984 Jan;77(1):75-7

1-Deamino-8-D-arginine-vasopressin--an alternative in the management of mild haemophilia A and von Willebrand's disease. Niessner H, et al. **Wien Klin Wochenschr** 1983 Nov 11;95(21):753-7

[Therapy of endocrine diseases in childhood and adolescence. 2. Connatal athyreosis. 3. Diabetes insipidus

neurohormonalis] Butenandt O. **Fortschr Med** 1983 Sep 8; 101(34):1497–500 (Eng. Abstr.) **(Ger)**

[DDAVP in the treatment of acute neurosurgical diabetes insipidus] Zancaner F, et al. **Minerva Med** 1984 Apr 28; 75(18):1063–7 (Eng. Abstr.) **(Ita)**

[A case of von Willebrand's disease--successful application of 1-deamino-8-D-arginine vasopressin (DDAVP) to ovarian bleeding] Shiraishi K, et al. **Rinsho Ketsueki** 1983 Dec;24(12):1674–9 (Eng. Abstr.) **(Jpn)**

[Use of vasopressin the treatment of the paranoid form of schizophrenia] Bakharev VD, et al. **Zh Nevropatol Psikhiatr** 1984;84(1):88–92 (Eng. Abstr.) **(Rus)**

[DDAVP: alternative therapy in moderate pathology of Factor VIII/von Willebrand (letter)] Vicente V, et al. **Sangre (Barc)** 1983;28(4):531–2 **(Spa)**

URINE

Studies of the factors modulating antidiuretic hormone excretion in man in response to the osmolar stimulus: effects of oestrogen and angiotensin II. Vallotton MB, et al. **Acta Endocrinol (Copenh)** 1983 Nov;104(3):295–302

Hyponatraemia in the first week of life in preterm infants. Part I. Arginine vasopressin secretion. Rees L, et al. **Arch Dis Child** 1984 May;59(5):414–22

Plasma concentration and urinary excretion of arginine-vasopressin in primary aldosteronism during the fluid deprivation tests. Horký K, et al. **Exp Clin Endocrinol** 1983 Nov;82(3):347–55

Arginine-vasopressin in postpartum panhypopituitarism: urinary excretion and kidney response to osmolar load. Bakiri F, et al. **J Clin Endocrinol Metab** 1984 Mar; 58(3):511–5

Urinary prostaglandin E2 and vasopressin excretion in essential fatty acid-deficient rats: effect of linolenic acid supplementation. Hansen HS, et al. **Lipids** 1983 Oct; 18(10):682–90

ARGIPRESTOCIN see **VASOTOCIN**

ARGON

Effect of CW YAG and argon green lasers on experimentally detached retinas. Peyman GA, et al. **Acta Ophthalmol (Copenh)** 1984 Jun;62(3):342–50

Gas mixing in the airways of dog lungs during high-frequency ventilation. Knopp TJ, et al. **J Appl Physiol** 1983 Oct;55(4):1141–6

ADVERSE EFFECTS

Residual radiation damage in the mouse foot after exposure to argon ions and retreatment with X rays. Raju MR, et al. **Radiat Res** 1983 Dec;96(3):641–5

Clinicopathologic correlation of krypton red, argon blue-green, and argon green laser photocoagulation in the human fundus. Smiddy WE, et al. **Retina** 1984 Winter-Spring;4(1):15–21

METABOLISM

The release rate of 37Ar from human subjects following intravenous injection. Leach MO, et al. **Phys Med Biol** 1984 Jul;29(7):779–88

ARGYRIA

CHEMICALLY INDUCED

[Argyrosis—still current today] Schmidt CW. **Z Arztl Fortbild (Jena)** 1983;77(15):663–4 **(Ger)**

COMPLICATIONS

[Ocular changes in occupational argyria] Larionov LN. **Vestn Oftalmol** 1984 Jan-Feb;(1):54–6 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

[Drug-induced generalized argyria. Value of blood and urine analysis. Apropos of 2 cases] Dupont T, et al. **LARC Med** 1984 Feb;4(2):103–5 (Eng. Abstr.) **(Fre)**

[Generalized argyria] Krivosheev BN, et al. **Vestn Dermatol Venerol** 1983 Nov;(11):52–4 (Eng. Abstr.) **(Rus)**

ETIOLOGY

[Drug-induced generalized argyria. Value of blood and urine analysis (letter)] Dupont T, et al. **Presse Med** 1983 Dec 3;12(44):2821–2 **(Fre)**

[Argyria caused by long-term silver nitrate therapy] Berta I, et al. **Fogorv Sz** 1983 Dec;76(12):377–9 (Eng. Abstr.) **(Hun)**

PATHOLOGY

Neuronal accumulation of silver in brains of progeny from argyric rats. Rungby J, et al. **Acta Neuropathol (Berl)** 1983; 61(3-4):258–62

Human generalized argyria [letter] Gherardi R, et al. **Arch Pathol Lab Med** 1984 Mar;108(3):181–2

Brain involvement in generalized argyria. Dietl HW, et al. **Clin Neuropathol** 1984 Jan-Feb;3(1):32–6

Generalized argyria. Pezzarossa E, et al. **J Cutan Pathol** 1983 Oct;10(5):361–3

ARM

Lateral cervical facetectomy. The surgical pathology of radicular brachialgia. Mosdal C, et al. **Acta Neurochir (Wien)** 1984;70(3-4):199–205

The lateral upper arm flap: anatomy and clinical applications. Katsaros J, et al. **Ann Plast Surg** 1984 Jun;12(6):489–500

Injection techniques for common arm disorders. Moran H. **Aust Fam Physician** 1984 Feb;13(2):108, 110–1

Nerve entrapment syndromes in the upper limb. Southwick G. **Aust Fam Physician** 1984 Feb;13(2):94–5, 97–8, 100–1

Pain in the upper limb. White R. **Aust Fam Physician** 1984 Feb;13(2):86, 88, 90–1

Deep vein thrombosis: a side effect of steroid therapy. Chaudhuri MD, et al. **Br J Clin Pract** 1984 Mar;38(3):118–9

Influence of arm position on measurement of blood pressure. Webster J, et al. **Br Med J [Clin Res]** 1984 May 26; 288(6430):1574–5

Prosthetics in the upper extremity. Lamb DW. **J Hand Surg** 1983 Sep;8(5 Pt 2):774–7

Esthetic hand prostheses. Pillet J. **J Hand Surg** 1983 Sep;8(5 Pt 2):778–81

Neurilemomas and neurofibromas of the upper limb. Rinaldi E. **J Hand Surg** 1983 Sep;8(5 Pt 1):590–3

Upper extremity gangrene of the newborn infant. Shaffer WO, et al. **J Hand Surg [Am]** 1984 Jan;9A(1):88–90

Symposium on pain: evaluation and treatment of the painful upper extremity. Omer GE. **J Hand Surg [Br]** 1984 Feb; 9(1):20–3

Skeletal muscle metastasis from prostatic carcinoma. Ward AJ, et al. **J Urol** 1984 Apr;131(4):769

Pathogenesis of overuse syndromes affecting the upper limb [letter] Lowy AH. **Med J Aust** 1983 Dec 10-24;2(12):605

Hodgkin's disease presenting in epitrochlear nodes. Yu A, et al. **Med Pediatr Oncol** 1984;12(4):244–6

Arm drift—a frequent occurrence in normal subjects. Massey EW, et al. **NC Med J** 1984 Jan;45(1):17

Hyperthermic regional perfusion in high-risk stage-I malignant melanomas of the extremities. Koops HS, et al. **Recent Results Cancer Res** 1983;86:223–8

Chemotherapy by isolated regional perfusion for melanoma of the limbs. Krementz ET. **Recent Results Cancer Res** 1983;86:193–203

Rheumatic disorders of the upper limbs associated with repetitive occupational tasks in Finland in 1975–1979. Kivi P. **Scand J Rheumatol** 1984;13(2):101–7

Sphygmomanometry: the correct arm position [letter] Kroenke K. **West J Med** 1984 Mar;140(3):459–60

[Application of microsurgery in the treatment of aggressive bone tumor of the upper limb] Kou YL. **Chung Hua Wai Ko Tsa Chih** 1984 Mar;22(3):139–40 (Eng. Abstr.) **(Chi)**

[Juvenile benign amyotrophy of the upper extremities] Doležal A. **Cesk Neurol Neurochir** 1984 Mar;47(2):109–12 (Eng. Abstr.) **(Cze)**

[Benign angiographic picture in diseases of the bones and soft tissues. Comparison with thermographic findings] Chudáček Z. **Cesk Radiol** 1983 Nov;37(6):361–9 (Eng. Abstr.) **(Cze)**

[Diseases of the support and locomotor system: social medicine aspects (8). Diseases of the upper extremity] Eufinger H. **MMW** 1983 Dec 16;125(50):111–2 **(Ger)**

[Diseases of the support and locomotor system: social medicine aspects (9). Diseases of the upper extremity] Eufinger H. **MMW** 1983 Dec 23;125(51):56 **(Ger)**

[Diseases of the support and locomotor system: social medicine aspects (10). Diseases of the upper extremity] Eufinger H. **MMW** 1984 Jan 6;126(1):52 **(Ger)**

[Rare localizations of calcifying tendopathies] Nidecker A, et al. **ROFO** 1983 Dec;139(6):658–62 (Eng. Abstr.) **(Ger)**

[Rupture of the biceps tendon with special reference to the key-hole operation] Dederich R. **Unfallheilkunde** 1984 Jan; 87(1):13–9 (Eng. Abstr.) **(Ger)**

[Lymphophlebographic studies in arm edema] Mukhamedzhanov IKh, et al. **Med Radiol (Mosk)** 1984 Feb; 29(2):20–4 (Eng. Abstr.) **(Rus)**

[Needle reflexotherapy in surgical diseases of the musculoskeletal system of the upper limbs] Mikhailov AN, et al. **Vestn Khir** 1983 Oct;131(10):113 **(Rus)**

ABNORMALITIES

Genetics of acheiropodia ('The handless and footless families of Brazil'): X. Roentgenologic study. Freire-Maia A, et al. **Am J Med Genet** 1978;2(4):321–30

Variable expressivity of the acheiropodia gene [letter] Grimaldi A, et al. **Am J Med Genet** 1983 Dec;16(4):631–4

Acrofacial dysostosis with severe facial clefting and limb reduction. Kawira EL, et al. **Am J Med Genet** 1984 Mar; 17(3):641–7

Humeroradioulnar synostosis appearing as distal humeral bifurcation in a patient with distal phocomelia of the upper limbs and radial ectrodactyly [letter] Leroy JG, et al. **Am J Med Genet** 1984 Jun;18(2):365–8

Anatomical analysis of the developmental effects of aneuploidy in man—the 18-trisomy syndrome: II. Anomalies of the upper and lower limbs. Ramirez-Castro JL, et al. **Am J Med Genet** 1978;2(3):285–306

An unusual congenital abnormality in a diabetic patient's infant. Daw E, et al. **Br J Clin Pract** 1984 Apr;38(4):153

Poland's syndrome. Pursnani ML, et al. **J Assoc Physicians India** 1983 Jun;31(6):380–1

A classification for congenital limb malformation. Swanson AB, et al. **J Hand Surg** 1983 Sep;8(5 Pt 2):693–702

Unusual limb-reduction defect in infant born to mother taking periconceptional multivitamin supplement [letter] David TJ. **Lancet** 1984 Mar 3;1(8375):507–8

Calcification associated with terminal defects of the upper extremity. Stoskopf CA, et al. **Radiology** 1984 Sep; 152(3):689–91

Asymmetrical limb reduction deformities—aetiological considerations. Bub I, et al. **S Afr Med J** 1984 Sep 1; 66(9):338–40

[Radial club-hand: indications for its treatment] Andrisano A, et al. **Chir Organi Mov** 1981–82;67(6):655–62 (Eng. Abstr.) **(Ita)**

[The Holt-Oram syndrome with patency of the common AV canal, complete form. Report of a case] Araújo Filho R, et al. **Arq Bras Cardiol** 1983 Jun;40(6):397–402 (Eng. Abstr.) **(Por)**

[Subclinical disorders of motor function of the muscles in children with developmental dysplasia] Cherkasova TI, et al. **Ortop Travmatol Protez** 1984 Apr;(4):39–42 (Eng. Abstr.) **(Rus)**

[Vascular changes in congenital partial gigantism of the upper limbs in children] Beliaeva AA, et al. **Vestn Khir** 1983 Sep; 131(9):105–10 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Human fetal extremity lengths in the interval from 9 to 21 menstrual weeks of pregnancy. Munsick RA. **Am J Obstet Gynecol** 1984 Aug 15;149(8):883–7

[Latissimus arc of the upper arm] Schramm U, et al. **Anat Anz** 1984;156(1):75–8 (Eng. Abstr.) **(Ger)**

[Critical analysis of the validity of arm circumference as an indicator of protein-energy nutritional status in preschool children] Delgado HL, et al. **Arch Latinoam Nutr** 1983 Mar;33(1):170–88 (Eng. Abstr.) **(Spa)**

[Reference tables of arm circumference from birth to 12 years of age for Argentinian girls and boys] Lejarraga H, et al. **Arch Latinoam Nutr** 1983 Mar;33(1):139–57 (Eng. Abstr.) **(Spa)**

BLOOD SUPPLY

Arterial injuries of the upper extremities. Kruse-Andersen S, et al. **Acta Chir Scand** 1983;149(5):473–7

Effect of L-tryptophan supplementation on ischemic pain. Nurmikko T, et al. **Acupunct Electrother Res** 1984; 9(1):45–55

Deep vein thrombosis in intravenous drug abusers presenting as a systemic illness. Kurtin P, et al. **Am J Med Sci** 1984 Jan-Feb;287(1):44–5

Stellate ganglion block: a therapeutic modality for arterial insufficiency of the arm in premature infants. Lagade MR, et al. **Anesthesiology** 1984 Aug;61(2):203–4

Dissection of the internal mammary artery during cephalic vein removal for coronary artery surgery. Hicks GL Jr. **Ann Thorac Surg** 1984 Jan;37(1):95

Upper extremity vein graft for aortocoronary bypass. Prieto I, et al. **Ann Thorac Surg** 1984 Mar;37(3):218–21

Peripheral nerve compression by brachial artery-basilic vein vascular access in long-term hemodialysis. Reinstein L, et al. **Arch Phys Med Rehabil** 1984 Mar;65(3):142–4

Effect of varying methods of upper limb occlusion on fibrinolytic activity in man. Sinclair ME, et al. **Br J Anaesth** 1984 Feb;56(2):175–7

Brachiodistal vein arteriovenous fistula with valve destruction as a secondary access procedure for haemodialysis. Parvin SD, et al. **Br J Surg** 1984 Apr; 71(4):323–4

Venous pressures in the isolated upper limb during saline injection. Finegan BA, et al. **Can Anaesth Soc J** 1984 Jul; 31(4):364–7

Oxygen tension in antecubital blood of trained and untrained males after maximal leg exercise. Katz A, et al. **Can J Appl Sport Sci** 1984 Mar;9(1):11–15

Double inferior vena cava and anomalous venous drainage from the left arm. Demonstration by radionuclide angiogram. Rivera JV, et al. **Clin Nucl Med** 1983 Jul; 8(7):306–8

Some uncommon types of occlusive peripheral arterial disease. Spittell JA Jr. **Curr Probl Cardiol** 1983 Nov; 8(8):1–35 (34 ref.)

Fractures of the limbs complicated by ischaemia due to lesions of the major vessels. Guercio N, et al. **Ital J Orthop Traumatol** 1984 Jun;10(2):163–85

Course of the post-catheterization pulseless arm. Braga PE, et al. **J Cardiovasc Surg (Torino)** 1984 May-Jun; 25(3):236–40

Arterial emboli of the upper extremity: a persisting problem. Kretz JG, et al. **J Cardiovasc Surg (Torino)** 1984 May-Jun; 25(3):233–5

Considerations on the use of the tourniquet in surgery of the hand. Tajima T. **J Hand Surg** 1983 Sep;8(5 Pt 2):799–802

Neonatal upper limb ischaemia. The case for conservative management. Rayner CR, et al. **J Hand Surg [Br]** 1984 Feb;9(1):57–8

Inhibition of ischemia-induced thromboxane synthesis in man. Lelcuk S, et al. **J Trauma** 1984 May;24(5):393–6

Pressure gradient and blood flow in human arm veins—a proposed explanation of the pumping mechanism. Watanabe R, et al. **Jpn Circ J** 1984 May;48(5):427–38
Shunt haemodynamics and extracorporeal dialysis: an electrical resistance network analysis. van Gemert MJ, et al. **Phys Med Biol** 1984 Mar;29(3):219–35
Fasciocutaneous vessels in the upper arm: application to the design of new fasciocutaneous flaps. Cormack GC, et al. **Plast Reconstr Surg** 1984 Aug;74(2):244–50
Current diagnosis and management of upper extremity ischemia. Jarrett F, et al. **Surg Annu** 1983;15:207–28 (87 ref.)
Percutaneous catheterization of the brachial vein for central venous access. Kwun KB, et al. **Surg Gynecol Obstet** 1984 Sep;159(3):287–8
Ischemia of the limb stimulates thromboxane production and myocardial depression. Mathieson MA, et al. **Surg Gynecol Obstet** 1983 Dec;157(6):500–4
A comparative study using immunological and biological assay of the haemostatic responses to DDAVP infusion venous occlusion and exercise in normal men. Prowse CV, et al. **Thromb Haemost** 1984 Feb 28;51(1):110–4
Arterial surgery of the upper extremity. Bergqvist D, et al. **World J Surg** 1983 Nov;7(6):786–91
[New method of vessel access in patients on intermittent hemodialysis] Kraev Z. **Khirurgiia (Sofiia)** 1984;37(2):146–9 **(Bul)**
[Successful autogenous venograft in the treatment of arterial trauma complicated by severe infection: report of 2 cases] Lin AX. **Chung Hua Wai Ko Tsa Chih** 1983 Aug; 21(8):486–7 **(Chi)**
[Septic venous thrombosis of the upper limbs. Reflections apropos of 20 cases] Guidicelli H, et al. **J Mal Vasc** 1984; 9 Suppl A:20–1 **(Fre)**
[Serial angioscintigraphy in deep venous thrombosis of the upper limb] Hodara M. **J Mal Vasc** 1984;9 Suppl A:14–6 **(Fre)**
[Diagnosis and treatment of so-called exertion-induced thrombophlebitis of the upper limb] Mercier C, et al. **J Mal Vasc** 1984;9 Suppl A:25–7 **(Fre)**
[Radiological aspects of thrombosis of the deep veins of the upper limbs and the mediastinum] Picard JD, et al. **J Mal Vasc** 1984;9 Suppl A:9–13 **(Fre)**
[Klippel–Trenaunay syndrome of the upper extremity. Apropos of 2 cases] Coget JM, et al. **Phlebologie** 1983 Jul–Sep;36(3):271–5 (Eng. Abstr.) **(Fre)**
[Experimental monitoring of the effects of hand and foot douches at Barbotan on peripheral circulation] Garreau C. **Phlebologie** 1983 Jul–Sep;36(3):265–70 (Eng. Abstr.) **(Fre)**
[Treatment of ergotism] Schulz V. **Fortschr Med** 1984 Feb 23;102(8):189–91 (Eng. Abstr.) **(Ger)**
[Basilic vein fistula of the upper arm—a neglected vascular access for chronic hemodialysis] Landmann J, et al. **Helv Chir Acta** 1984 Apr;51(1):97–100 (Eng. Abstr.) **(Ger)**
[Digital subtraction angiography (DSA) of the upper extremities] Harder T, et al. **ROFO** 1983 Dec;139(6):609–15 (Eng. Abstr.) **(Ger)**
[Effect of prolonged anesthesia and tourniquet-induced ischemia on endocrine function] Kudo M, et al. **Masui** 1983 Jun;32(6):764–9 (Eng. Abstr.) **(Jpn)**
[Angiography of the extremities] Suzuki S, et al. **Rinsho Hoshasen** 1983 Oct;28(11 Suppl):1295–305 **(Jpn)**
[Experience of iopamidol in peripheral arteriography] Tajima H, et al. **Rinsho Hoshasen** 1983 Dec;28(13):1557–61 (Eng. Abstr.) **(Jpn)**
[Obui-himo syndrome: a case report] Tanaka O, et al. **Rinsho Hoshasen** 1984 Mar;29(3):411–3 (Eng. Abstr.) **(Jpn)**
[Paget–Schroetter syndrome] Drabek A, et al. **Pol Tyg Lek** 1983 Jun 13;38(24):725–8 (Eng. Abstr.) **(Pol)**
[Case of periarteritis nodosa – differential diagnosis] Nenycz-Grabiec Z. **Przegl Epidemiol** 1983;37(3–4):467–71 (Eng. Abstr.) **(Pol)**
[Evaluation of the ankle-arm index at rest in patients referred for consultation and surgical treatment] Piecuch T, et al. **Wiad Lek** 1984 Feb 15;37(4):249–54 (Eng. Abstr.) **(Pol)**
[Technic, hazards and complications of punctures and catheterization of peripheral arteries in anesthesiological and reanimatological practice] Gologorskiĭ VA, et al. **Anesteziol Reanimatol** 1983 Sep–Oct;(5):54–8 **(Rus)**
[Surgical treatment of post-traumatic arterial pseudoaneurysms and arteriovenous fistulas] Komarov IA, et al. **Khirurgiia (Mosk)** 1983 Dec;(12):37–43 (Eng. Abstr.) **(Rus)**
[Features of the blood supply of the upper extremities in children with hypoplastic thumbs] Vodolazov IuA, et al. **Khirurgiia (Mosk)** 1984 May;(5):132–3 **(Rus)**
[Thermography in the diagnosis of chronic arterial insufficiency of the upper extremities] Tarasenko OP, et al. **Klin Khir** 1984 Jul;(7):58–9 (Eng. Abstr.) **(Rus)**
[Clinical and forensic aspects of injuries of the major blood vessels and vessels of the extremities] Avgust VK, et al. **Ortop Travmatol Protez** 1983 Sep;(7):40–4 (Eng. Abstr.) **(Rus)**
[Vascular changes in congenital partial gigantism of the upper limbs in children] Beliaeva AA, et al. **Vestn Khir** 1983 Sep; 131(9):105–10 (Eng. Abstr.) **(Rus)**
[Surgical treatment of arteriovenous fistulas and aneurysms] Vasiutkov VIa, et al. **Vestn Khir** 1984 Jan;132(1):86–8 (Eng. Abstr.) **(Rus)**
[Arteriovenous dysplasias of the limbs] Zakharova GN, et al. **Vestn Khir** 1984 Mar;132(3):89–92 **(Rus)**
[Economic method of arteriography in patients with acute and chronic arterial obstruction of the extremities] Prokubovskiĭ VI, et al. **Vestn Rentgenol Radiol** 1984 Jan–Feb;(1):66–70 (Eng. Abstr.) **(Rus)**
[Effect of mud therapy on peripheral circulation in patients with sequelae of peripheral nerve injuries of the limbs] Vishniakov AIu. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 May–Jun;(3):63–4 **(Rus)**
['Steal' effect on the blood circulation of the arm caused by axillo-femoral by-pass] Fernández de Caleya D, et al. **Angiologia** 1984 May–Jun;36(3):97–102 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Gangrene of the upper extremity following intra-arterial injection of drugs. A case report and review of the literature. Goldberg I, et al. **Clin Orthop** 1984 Sep; (188):223–9 (56 ref.)

INNERVATION

Posture control and trajectory formation in single- and multi-joint arm movements. Bizzi E, et al. **Adv Neurol** 1983; 39:31–45
H reflexes in muscles of the lower and upper limbs in man: identification and clinical significance. Deschuytere J, et al. **Adv Neurol** 1983;39:951–60
Direct electrical stimulation of corticospinal pathways through the intact scalp in human subjects. Marsden CD, et al. **Adv Neurol** 1983;39:387–91
Myocardial infarction and paresis of the left arm [letter] Dubois RW. **Ann Intern Med** 1984 May;100(5):768
Nerve entrapment syndromes in the upper extremity contralateral to amputation. Reddy MP. **Arch Phys Med Rehabil** 1984 Jan;65(1):24–6
Review of obstetrical palsies. Nonoperative treatment. Brown KL. **Clin Plast Surg** 1984 Jan;11(1):181–7 (114 ref.)
Present thoughts on the management of pain in the upper extremity. Omer GE Jr. **Clin Plast Surg** 1984 Jan; 11(1):85–93 (113 ref.)
Rehabilitation of patients following traction lesions of the brachial plexus. Wynn Parry CB. **Clin Plast Surg** 1984 Jan; 11(1):173–9
Changes in the N1–P1 component of the somatosensory cortical evoked response in patients with partial limb amputation. Sica RE, et al. **Electromyogr Clin Neurophysiol** 1984 Jun–Jul;24(5):415–27
Cortical mechanisms related to the direction of two-dimensional arm movements: relations in parietal area 5 and comparison with motor cortex. Kalaska JF, et al. **Exp Brain Res** 1983;51(2):247–60
Isolated paralysis of the serratus anterior. A report of 20 cases. Foo CL, et al. **J Bone Joint Surg [Br]** 1983 Nov; 65(5):552–6
Nerve lesions associated with shoulder dislocation; an electrodiagnostic study of 11 cases. Liveson JA. **J Neurol Neurosurg Psychiatry** 1984 Jul;47(7):742–4
[Obstetrical paralysis. Spontaneous development and results of early microsurgical treatment] Metaizeau JP, et al. **Ann Pediatr (Paris)** 1984 Feb;31(2):93–102 (Eng. Abstr.) **(Fre)**
[Vascularization of the ulnar nerve of the arm] Lebreton E, et al. **Bull Assoc Anat (Nancy)** 1983 Mar;67(196):111–5 (Eng. Abstr.) **(Fre)**
[Use of evoked potentials for the intraoperative differentiation of motor and sensory fascicles] Stober R, et al. **Handchir Mikrochir Plast Chir** 1983 Dec;15(4):232–4 (Eng. Abstr.) **(Ger)**
[Nerve transplants in the reconstruction of damaged nerve trunks] Hafiek J, et al. **Neurol Neurochir Pol** 1983 Mar–Apr; 17(2):253–8 (Eng. Abstr.) **(Pol)**
[Delayed perception of vibration in multiple sclerosis] Cendrowski W. **Wiad Lek** 1983 Aug 1;36(15):1265–7 (Eng. Abstr.) **(Pol)**
[Treatment of reflex decalcifying algodystrophy of the limbs] Gburek Z. **Wiad Lek** 1983 Sep 15;36(18):1523–5 (16 ref.) **(Pol)**
[Phantom pain – its nature, etiopathogenesis and treatment] Kanios K. **Wiad Lek** 1983 Jul 1;36(13):1083–5 (Eng. Abstr.) **(Pol)**
[Characteristics of somatosensory evoked potentials after electrical stimulation of nerves in the extremities] Berić A, et al. **Neurologija** 1983;31(1–2):25–38 (Eng. Abstr.) **(Scr)**
[Evolution of the compressive syndrome of the upper extremity] Brzović Z, et al. **Neurologija** 1982;30(1–4):43–50 (Eng. Abstr.) **(Scr)**

PATHOLOGY

[Surgical tactics in gangrene of the limb caused by acute arterial obstruction] Savel'ev VS, et al. **Khirurgiia (Mosk)** 1984 Apr;(4):112–7 **(Rus)**

PHYSIOLOGY

Venous pressure and arm volume changes during simulated Bier's block. El-Hassan KM, et al. **Anaesthesia** 1984 Mar; 39(3):229–35
Upper limb exercise effect on tilt tolerance during orthostatic training of patients with spinal cord injury. Lopes P, et al. **Arch Phys Med Rehabil** 1984 May;65(5):251–3
Three dimensional arm trajectories. Morasso P. **Biol Cybern** 1983;48(3):187–94
Grip strength as a measure of response to treatment for lateral epicondylitis [letter] Thurtle OA, et al. **Br J Rheumatol** 1984 May;23(2):154–5
The upper limbs during human walking. Part 2: Function. Jackson KM, et al. **Electromyogr Clin Neurophysiol** 1983 Sep–Oct;23(6):435–46
The upper limbs during human walking. Part I: Sagittal movement. Jackson KM, et al. **Electromyogr Clin Neurophysiol** 1983 Sep–Oct;23(6):425–34
Physiological factors affecting upper body aerobic exercise. Sawka MN, et al. **Ergonomics** 1983 Jul;26(7):639–46
Load optimization for the Wingate Anaerobic Test. Dotan R, et al. **Eur J Applied Physiol** 1983;51(3):409–17
Greater serum GH response to arm than to leg exercise performed at equivalent oxygen uptake. Kozłowski S, et al. **Eur J Applied Physiol** 1983;52(1):131–5
Blood lactate accumulation during arm exercise in world class kayak paddlers and strength trained athletes. Tesch PA, et al. **Eur J Applied Physiol** 1984;52(4):441–5
The skin temperature gradient in the upper limbs of old women. Howell TH. **Exp Gerontol** 1983;18(4):255–61
Influence of training on the force-velocity relationship of the arm flexors of active sportsmen. de Koning FL, et al. **Int J Sports Med** 1984 Feb;5(1):43–6
Exercise efficiency during arm ergometry: effects of speed and work rate. Powers SK, et al. **J Appl Physiol** 1984 Feb; 56(2):495–9
Peak oxygen uptake during arm cranking for men and women. Washburn RA, et al. **J Appl Physiol** 1984 Apr; 56(4):954–7
Phasic relations in 90 degree abduction-adduction of the arm: the ARIMA representation. Sherif MH, et al. **J Biomech** 1984;17(3):215–24
Arm and shoulder muscle load in various keyboard operating jobs of women. Onishi N, et al. **J Hum Ergol (Tokyo)** 1982 Sep;11(1):89–97
Fast ballistic arm movements triggered by visual, auditory, and somesthetic stimuli in the monkey. I. Activity of precentral cortical neurons. Lamarre Y, et al. **J Neurophysiol** 1983 Dec;50(6):1343–58
Fast ballistic arm movements triggered by visual, auditory, and somesthetic stimuli in the monkey. II. Effects of unilateral dentate lesion on discharge of precentral cortical neurons and reaction time. Spidalieri G, et al. **J Neurophysiol** 1983 Dec;50(6):1359–79
Why the upper limbs move during human walking. Jackson KM. **J Theor Biol** 1983 Nov 21;105(2):311–5
Responses to submaximal and maximal arm cycling above, at, and below heart level. Cummins TD, et al. **Med Sci Sports Exerc** 1983;15(4):295–8
Active mobility of the extremities in older subjects. Walker JM, et al. **Phys Ther** 1984 Jun;64(6):919–23

PHYSIOPATHOLOGY

Functional test for the hemiparetic upper extremity. Wilson DJ, et al. **Am J Occup Ther** 1984 Mar;38(3):159–64
Arm cranking and wheelchair ergometry in elite spinal cord-injured athletes. Wicks JR, et al. **Med Sci Sports Exerc** 1983;15(3):224–31
[Lymphedema and function of the arm after mastectomy for breast cancer] Kuno K, et al. **Gan No Rinsho** 1984 May; 30(6 Suppl):670–3 (Eng. Abstr.) **(Jpn)**
[Objective evaluation of movement disorders using the Aktograf] Drozdowski W, et al. **Neurol Neurochir Pol** 1984 Jan–Feb;18(1):5–9 (Eng. Abstr.) **(Pol)**
[Usefulness of objective determination of the efficiency of the upper limb for evaluation of the results of rehabilitation after mastectomy] Kulakowski A, et al. **Nowotwory** 1983 Oct–Dec;33(4):341–6 (Eng. Abstr.) **(Pol)**
[Optimal conditions of work involving local muscular exertion] Moĭkin IuV, et al. **Gig Tr Prof Zabol** 1984 Jun; (6):4–8 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

CT of benign soft-tissue masses of the extremities. Heiken JP, et al. **AJR** 1984 Mar;142(3):575–80
Arm x-ray assessment of percent body fat in men and women. Katch FI, et al. **Med Sci Sports Exerc** 1984 Jun; 16(3):316–21
[Glass fragments demonstrated by x-rays] Zachariae L. **Ugeskr Laeger** 1983 Jul 25;145(30):2305–6 (Eng. Abstr.) **(Dan)**
[Roentgen diagnosis of the veins in the upper half of the body using the digital subtraction technic – digital subtraction phlebography] Neufang KF, et al. **Rontgenblatter** 1984 Jan;37(1):8–12 (Eng. Abstr.) **(Ger)**

SURGERY

Surgical approach to lymphedema of the arm after mastectomy. Miller TA. **Am J Surg** 1984 Jul;148(1):152–6
Malignant hyperthermia during a prolonged anesthetic for reattachment of a limb. Murphy AL, et al. **Anesthesiology** 1984 Feb;60(2):149–50
Progress in limb salvage for bone and soft-tissue sarcomas. Eilber FR. **Int Adv Surg Oncol** 1984;7:141–52
Historical background and changing perspectives in surgical reconstruction of the upper limb in quadriplegia. Hentz

VR. **J Am Paraplegia Soc** 1984 Apr;7(2):36–8
Pain: general review and selected problems affecting the upper extremity. Goldner JL. **J Hand Surg** 1983 Sep;8(5 Pt 2):740–5
Microsurgery and replantation in the upper extremity. Stromberg BV. **J SC Med Assoc** 1984 Feb;80(2):63–5 (12 ref.)
Rehabilitative operation for motor neuron disease: tendon transfer for segmental muscular atrophy of the upper extremities. Sinaki M, et al. **Mayo Clin Proc** 1984 May; 59(5):338–42
Upper extremity reconstruction by free tissue transfer. Wood MB, et al. **Minn Med** 1983 Aug;66(8):503–8
Microsurgery in the upper limb. Burke FD. **Physiotherapy** 1983 Oct 10;69(10):346–9
The inner arm fasciocutaneous flap. Budo J, et al. **Plast Reconstr Surg** 1984 Apr;73(4):629–32
[X-ray diagnosis of bones in replantations in children] Hegenbarth R, et al. **Rontgenblatter** 1983 Nov;36(11):355–8 (Eng. Abstr.) **(Ger)**
[Anesthesiological tactics in emergency replantation of the fingers, hand and arm] Koriukin VM, et al. **Anesteziol Reanimatol** 1983 Jul–Aug;(4):47–9 (Eng. Abstr.) **(Rus)**
[Conduction anesthesia in operations on the limbs] Nagovitsyn ES, et al. **Vestn Khir** 1983 Oct;131(10):118–21 (Eng. Abstr.) **(Rus)**
[Restorative operations using microsurgical technics in abruption of large segments of the upper limb] Vavilov VN, et al. **Vestn Khir** 1983 Sep;131(9):116–22 (Eng. Abstr.) **(Rus)**

ARM INJURIES

Sports injuries to the upper extremity. How to recognize and deal with some common problems. Cooney WP 3d. **Postgrad Med** 1984 Sep 15;76(4):45–50

COMPLICATIONS

Traumatic pseudo-aneurysms of the brachial artery in children. Rao PL, et al. **Indian J Pediatr** 1983 Jan–Feb; 50(402):85–8
[Prevention of wound infection after open injuries of the limbs by hyperbaric oxygenation] Atroshchenko ZB. **Vestn Khir** 1984 Mar;132(3):114–7 (Eng. Abstr.) **(Rus)**
[Hyperbaric oxygenation in the complex treatment of patients with injuries of the extremities (review of the literature)] Tkachenko SS, et al. **Voen Med Zh** 1983 Dec;(12):22–6 (20 ref.) **(Rus)**

ETIOLOGY

Injuries to the neck and upper extremities of dancers. Nixon JE. **Clin Sports Med** 1983 Nov;2(3):459–72
Hay baler trauma to the upper extremity: a roller injury. Gainor BJ. **J Trauma** 1983 Dec;23(12):1069–71
Upper extremity burns from woodstoves. Yanofsky NN, et al. **Pediatrics** 1984 May;73(5):722–6

OCCURRENCE

Australian Rules football injuries. Quinn NW. **Aust Fam Physician** 1983 Sep;12(9):691–2, 694
Upper limb fractures: contrasting patterns in Transkei and England. Yardley MH. **Injury** 1984 Mar;15(5):322–3

PHYSIOPATHOLOGY

Evaluation of vascular compromise in the injured extremity: a photoplethysmographic technique. Smith DJ Jr, et al. **J Hand Surg [Am]** 1984 May;9(3):314–9
[Diseases of the upper extremities] Eufinger H. **MMW** 1984 Jan 20;126(3):127, 30 **(Ger)**
[A method for long-term preservation of the viability of an injured extremity] Bukov VA. **Voen Med Zh** 1984 Feb; (2):59–61 **(Rus)**

RADIOGRAPHY

Digital subtraction angiography in extremity trauma. Goodman PC, et al. **Radiology** 1984 Oct;153(1):61–4
[Computer tomography of the pelvis, shoulder girdle and extremities] Jend HH, et al. **Orthopade** 1984 Apr; 13(2):151–68 **(Ger)**

REHABILITATION

Rehabilitation of burns of the upper limb. Ngim RC, et al. **Ann Acad Med Singapore** 1983 Jul;12(3):350–7

SURGERY

Arterial injuries of the upper extremities. Kruse-Andersen S, et al. **Acta Chir Scand** 1983;149(5):473–7
Triceps tendon avulsion in a professional body builder. A case report. Sherman OH, et al. **Am J Sports Med** 1984 Jul–Aug;12(4):328–9
High tension electrical burns of upper arms treated by segmental excision of necrosed humerus. An introduction of a new surgical method. Wang XW, et al. **Burns Incl Therm Inj** 1984 Apr;10(4):271–81
Early vascular grafting to prevent upper extremity necrosis after electrical burns. Wang XW, et al. **Chin Med J [Engl]** 1984 Jan;97(1):53–6
Vascular injuries and closed extremity fractures in children. Friedman RJ, et al. **Clin Orthop** 1984 Sep;(188):112–9
External fixation in wartime limb surgery. Zinman C, et al. **Isr J Med Sci** 1984 Apr;20(4):308–10
The use of Hoffmann–Vidal type mini-fixateurs. Patella V, et al. **Ital J Orthop Traumatol** 1983 Sep;9(3):297–303
Care of war injuries of the hand and upper extremity: report of the War Injury Committee (International Federation of Societies for Surgery of the Hand). Burkhalter WE. **J Hand Surg** 1983 Sep;8(5 Pt 2):810–3
The management of acute thermal injuries to the upper extremity. Madden JW, et al. **J Hand Surg** 1983 Sep;8(5 Pt 2):785–8
Double Z-rhombic repair of both large and small defects of the upper extremity. Cuono CB. **J Hand Surg [Am]** 1984 Mar;9(2):197–202
Traumatic upper arm defect treated with latissimus dorsi muscle transposition. Stevenson TR, et al. **J Pediatr Orthop** 1984 Jan;4(1):111–3
Traumatic hemipelvectomy in combination with traumatic amputation of an upper extremity. Evans RN Jr, et al. **J Trauma** 1984 Apr;24(4):342–5
Combined subclavian artery and brachial plexus injuries from blunt upper-extremity trauma. Tomaszek DE. **J Trauma** 1984 Feb;24(2):161–3
Rehabilitation after upper extremity burns. Fleegler EJ, et al. **Orthop Clin North Am** 1983 Oct;14(4):699–718
Upper extremity replantation. Kutz JE, et al. **Orthop Clin North Am** 1983 Oct;14(4):873–91
[Confrontation of classical and microsurgical reconstruction of peripheral nerve injuries] Tabakov D. **Cas Lek Cesk** 1983 Sep 30;122(39):1199–1202 (Eng. Abstr.) **(Cze)**
[A new method of collecting nerve grafts] Válka J, et al. **Rozhl Chir** 1983 Sep;62(8–9):616–8 (Eng. Abstr.) **(Cze)**
[Limits of indications for replantation] Mitz V, et al. **Ann Chir Plast Esthet** 1983;28(4):354–60 (Eng. Abstr.) **(Fre)**
[Microsurgery in the replantation of amputated limbs and fingers. Report of 55 cases involving 62 limbs or fingers] Zhou LR. **Chirurgie** 1983;109(7):612–5 (Eng. Abstr.) **(Fre)**
[Therapeutic possibilities in a community hospital in cases of severe injuries of the limbs, associated with bone, nervous and vascular involvement] Rostan O, et al. **Helv Chir Acta** 1984 Apr;51(1):115–21 (Eng. Abstr.) **(Fre)**
[Muscle and tendon ruptures in the upper limbs] Gay B. **Chirurg** 1984 Jan;55(1):1–6 **(Ger)**
[Use of evoked potentials for the intraoperative differentiation of motor and sensory fascicles] Stober R, et al. **Handchir Mikrochir Plast Chir** 1983 Dec;15(4):232–4 (Eng. Abstr.) **(Ger)**
[Reimplantation of arm and forearm (editorial)] Ben-Hur N, et al. **Harefuah** 1984 Mar 15;106(6):281–2 **(Heb)**
[Management of arterial and accessory injuries of the limbs in a county hospital] Erdélyi B, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1984; 27(1):43–8 (Eng. Abstr.) **(Hun)**
[8 cases of injury caused by power hoes with vascular involvement] La Rosa M, et al. **Minerva Cardioangiol** 1984 Jan–Feb;32(1–2):9–13 (Eng. Abstr.) **(Ita)**
[Microsurgery – reconstructive possibilities of injured extremities] Sundell B. **Tidsskr Nor Laegeforen** 1983 Oct 20;103(29):1975–8 (Eng. Abstr.) **(Nor)**
[Closed injuries of the biceps brachii] Matwin B. **Chir Narzadow Ruchu Ortop Pol** 1983;48(4):337–41 (Eng. Abstr.) **(Pol)**
[Epiosseous compression osteosynthesis in treating fractures of the long tubular bones] Bogdanovich Ula, et al. **Ortop Travmatol Protez** 1984 Jun;(6):64–7 **(Rus)**
[Surgical procedure in gunshot fractures of the tubular bones] Karapetian SG, et al. **Ortop Travmatol Protez** 1984 Jun; (6):11–4 (Eng. Abstr.) **(Rus)**
[Treatment of injuries of the arm nerves] Kozyrev VA, et al. **Ortop Travmatol Protez** 1983 Sep;(7):33–6 (Eng. Abstr.) **(Rus)**
[Mistakes and complications in the treatment of patients with fractures and dislocations of large segments of the limbs] Stamatin SI, et al. **Ortop Travmatol Protez** 1983 Dec; (12):56–9 (Eng. Abstr.) **(Rus)**
[Complex evaluation of the results of emergency microsurgical operations in injuries of the limbs] Belousov AE, et al. **Vestn Khir** 1984 Mar;132(3):110–3 (Eng. Abstr.) **(Rus)**
[Long-term results of emergency microsurgery operations in severe injuries and amputations of large segments of the upper limbs] Lebedev LV, et al. **Vestn Khir** 1983 Nov; 131(11):110–7 (Eng. Abstr.) **(Rus)**
[Treatment of patients with open fractures of the extremities] Novikov FG, et al. **Voen Med Zh** 1983 Nov;(11):21–4 **(Rus)**
[Problems in the treatment of gunshot wounds in modern warfare] Jovanović Z, et al. **Vojnosanit Pregl** 1983 Jul–Aug; 40(4):247–52 **(Scr)**

THERAPY

Treatment of fractures in tubular bones by the Volkov–Oganesyan repositioning–compression apparatus. Volkov MV, et al. **Clin Orthop** 1984 Jun;(186):195–201
Crush injury of the upper limb. Early and late management. Carter PR. **Orthop Clin North Am** 1983 Oct;14(4):719–47
[The plan and tactics of treatment of the locomotor apparatus in multiple injuries] Wondrák E. **Rozhl Chir** 1983 Sep; 62(8–9):619–23 (Eng. Abstr.) **(Cze)**
[Effectiveness of transfusion therapy in the combined treatment of frostbite of the extremities] Manzharov NV, et al. **Gematol Transfuziol** 1984 Jul;29(7):33–6 (Eng. Abstr.) **(Rus)**
[Treatment of patients with transverse fractures of diaphyses of the long tubular bones] Beliakov AA. **Ortop Travmatol Protez** 1984 Feb;(2):23–6 (Eng. Abstr.) **(Rus)**
[Prolonged intra-arterial infusions of antibiotics and plastic operations in the treatment of severe injuries of the extremities complicated by infection] Kazarezov MV, et al. **Vestn Khir** 1983 Sep;131(9):90–4 (Eng. Abstr.) **(Rus)**
[Intra-arterial infusion in the treatment of severe injuries and suppurative-inflammatory processes in the upper limb] Radushkevich VL, et al. **Vestn Khir** 1984 May;132(5):78–80 (Eng. Abstr.) **(Rus)**

ARMADILLOS see under **EDENTATA**

ARMED FORCES PERSONNEL see **MILITARY PERSONNEL**

ARMIN see under **ORGANOPHOSPHORUS COMPOUNDS**

ARNOLD–CHIARI DEFORMITY

see related
ARACHNOIDITIS
PLATYBASIA

CHEMICALLY INDUCED

Dose-response relationships of retinol in production of the Arnold–Chiari malformation. Willhite CC. **Toxicol Lett** 1984 Mar;20(3):257–62

COMPLICATIONS

Sudden death in a child with an occult hindbrain malformation. Tomaszek DE, et al. **Ann Emerg Med** 1984 Feb;13(2):136–8
Episodic vertical oscillopsia and downbeat nystagmus in a Chiari malformation. Yee RD, et al. **Arch Ophthalmol** 1984 May;102(5):723–5
[Isolated cervicothoracic spinal amyotrophy caused by hydromyelia. Stabilization by a ventricular shunt] Petit H, et al. **Rev Neurol (Paris)** 1984;140(2):144–7 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Adult Arnold–Chiari malformation and intrinsic brain stem neoplasm: a difficult differential diagnosis. Phillips TW, et al. **Neurosurgery** 1983 Oct;13(4):345–50
Clinical and electrophysiologic recovery in Arnold–Chiari malformation. Stone JL, et al. **Surg Neurol** 1983 Oct; 20(4):313–7

FAMILIAL & GENETIC

Occipital dysplasia and Chiari type I deformity in a family. Clinical and radiological study of three generations. Coria F, et al. **J Neurol Sci** 1983 Dec;62(1–3):147–58

RADIOGRAPHY

Metrizamide cisternography and the management of the Chiari II malformation. Faria MA Jr, et al. **Childs Brain** 1984;11(4):242–9
Radiologic demonstration of the dorsal medullocervical spur in adult Chiari malformation. Kapila A, et al. **J Clin Neuro Ophthalmol** 1982 Dec;2(4):235–40
The Chiari II malformation: Part IV. The hindbrain deformity. Naidich TP, et al. **Neuroradiology** 1983; 25(4):179–97
Chiari malformation presenting as loss of cerebellar substance on computed tomography. Gebarski SS, et al. **Surg Neurol** 1984 Jun;21(6):562–4

SURGERY

Relationship of CSF shunting and IQ in children with myelomeningocele: a retrospective analysis. Mapstone TB, et al. **Childs Brain** 1984;11(2):112–8
Management of the Chiari malformations in childhood. Carmel PW. **Clin Neurosurg** 1983;30:385–406

AROCLORS see under **POLYCHLOROBIPHENYL COMPOUNDS**

AROMATASE see under **OXIDOREDUCTASES**

AROMATIC AMINO ACID DECARBOXYLASES

Use of radiolabeled monofluoromethyl-Dopa to define the subunit structure of human L-Dopa decarboxylase. Maneckjee R, et al. **Biochemistry** 1983 Dec 20; 22(26):6058–63

ANALYSIS

Assay of tryptophan hydroxylase and aromatic L-amino acid decarboxylase based on rapid separation of the reaction

product by high performance liquid chromatography. Hasegawa H, et al. **J Biochem (Tokyo)** 1984 Jun; 95(6):1751–8

Aromatic L-amino acid decarboxylase in the rat brain: immunocytochemical localization in neurons of the brain stem. Jaeger CB, et al. **Neuroscience** 1984 Mar; 11(3):691–713

Distribution of neurones containing DOPA decarboxylase and dopamine-beta-hydroxylase in some sympathetic ganglia of the dog: a quantitative study. Muller B, et al. **Neuroscience** 1984 Mar;11(3):733–40

ANTAGONISTS & INHIBITORS

Inhibition of aromatic amino acid decarboxylase and depletion of biogenic amines in brain of rats treated with alpha-monofluoromethyl p-tyrosine: similitudes and differences with the effects of alpha-monofluoromethyldopa. Jung MJ, et al. **Biochem Pharmacol** 1984 Jan 15;33(2):327–30

Effect of alpha-methyl fluorodopa on dopamine metabolites: importance of conjugation and egress. Sarna GS, et al. **Eur J Pharmacol** 1984 May 4;100(3–4):343–50

Inhibition of pig kidney dopa decarboxylase by coenzyme-5-hydroxytryptophan adducts. Dominici P, et al. **Experientia** 1984 Aug 15;40(8):834–5

A method for measuring monoamine turnover in animals using an irreversible inhibitor of aromatic L-amino acid decarboxylase, DL-alpha-mono fluoromethyldopa. Palfreyman MG, et al. **J Pharmacol Methods** 1984 Jul; 11(4):239–51

Age-dependent depressor effect of L-dopa in dogs with inhibition of extracerebral dopa decarboxylase. Wilke WL. **Pediatr Res** 1983 Nov;17(11):924–5

BIOSYNTHESIS

A novel form of DOPA decarboxylase produced in drosophila cells in response to 20-hydroxyecdysone. Spencer CA, et al. **Can J Biochem Cell Biol** 1983 Jul; 61(7):818–25

GENETICS

Molecular mapping of a gene cluster flanking the Drosophila Dopa decarboxylase gene. Gilbert D, et al. **Genetics** 1984 Apr;106(4):679–94

METABOLISM

Oxygraphic assay of 3,4-dihydroxyphenylalanine decarboxylase activity by coupled reaction with free and immobilized serum amine oxidase. Rosei MA, et al. **Anal Biochem** 1984 May 15;139(1):73–6

Aromatic L-amino acid decarboxylase in the rat brain: coexistence with vasopressin in small neurons of the suprachiasmatic nucleus. Jaeger CB, et al. **Brain Res** 1983 Oct 16;276(2):362–6

Tryptophan hydroxylase and 5-HTP-decarboxylase activity in cockroach brain and the effects of p-chlorophenylalanine and 3-hydroxybenzylhydrazine (NSD-1015). Pandey A, et al. **Brain Res** 1983 Aug 22; 273(1):67–70

DOPA decarboxylase activity in the nervous system and the ctenidium of the freshwater clam, Musculium (Sphaerium) transversum. Paparo AA, et al. **Comp Biochem Physiol [C]** 1984;77(1):55–7

Aromatic L-amino acid decarboxylase activity in the rat median eminence, neurointermediate lobe and anterior lobe of the pituitary. Physiological and pharmacological implications for pituitary regulation. Johnston CA, et al. **Neuroendocrinology** 1984 Jul;39(1):54–9

Kinetics of the reaction of DOPA decarboxylase with 5-hydroxy-L-tryptophan. Salerno C, et al. **Prog Clin Biol Res** 1984;144A:277–87

PHYSIOLOGY

Mutations in the dopa decarboxylase gene affect learning in Drosophila. Tempel BL, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(11):3577–81

AROUSAL

Vigilance—local vigilance—the vigilance profile: a new concept and its application in neurobiology and biological psychiatry. Koella WP. **Acta Neurol Scand [Suppl]** 1984; 99:35–41

Salivation to drinking cues in alcohol abusers: toward the validation of a physiological measure of craving. Cooney NL, et al. **Addict Behav** 1984;9(1):91–4

Sensation seeking, reinforcement, and student drug use. Galizio M, et al. **Addict Behav** 1983;8(3):243–52

Electrodermal activity during aversive stimulation: sex differences in smokers and non-smokers. Knott VJ. **Addict Behav** 1984;9(2):195–9

Cigarette smoking, physiological arousal, and emotional response: Nesbitt's paradox re-examined. Shiffman S, et al. **Addict Behav** 1984;9(1):95–8

Different 'types' of cigarette smokers received similar effects from smoking. Williams DG, et al. **Addict Behav** 1984; 9(2):207–10

Heart rate and reaction times for mentally retarded and nonretarded adults in subject- and experimenter-initiated tasks. Gardepe JP, et al. **Am J Ment Defic** 1983 Nov; 88(3):314–20

Reaction time and vigilance in Parkinson's disease. Possible role of altered norepinephrine metabolism. Stern Y, et al. **Arch Neurol** 1984 Oct;41(10):1086–9

Faking 'turn-ons' and 'turn-offs'. The effects of competitory covert imagery on penile tumescence responses to diverse extrinsic sexual stimulus materials. Alford GS, et al. **Behav Modif** 1983 Jan;7(1):112–25

The effects of age, exposure, preexposure, and noise conditions on variable interval performance. Harrison DW, et al. **Behav Neural Biol** 1983 Nov;39(2):268–76

Internal stimuli enhance feeding behavior in the mollusc Aplysia. Susswein AJ, et al. **Behav Neural Biol** 1984 May; 41(1):90–5

Reliability of psychophysiological assessment. Arena JG, et al. **Behav Res Ther** 1983;21(4):447–60

Cardiac response as an index of the effect of aversion therapy. Baker TB, et al. **Behav Res Ther** 1984;22(4):403–11

Heterosocial-skills training and covert sensitization. Effects on social skills and sexual arousal in sexual deviants. Hayes SC, et al. **Behav Res Ther** 1983;21(4):383–92

Physiological responses in blood phobics. Ost LG, et al. **Behav Res Ther** 1984;22(2):109–17

The effect of an increased awareness of erectile cues on sexual arousal. Sakheim DK, et al. **Behav Res Ther** 1984; 22(2):151–8

Identification of cues and control of sexual arousal by rapists. Wydra A, et al. **Behav Res Ther** 1983;21(5):469–76 (18 ref.)

Self-instructed relaxation: a therapeutic alternative. Hiebert B, et al. **Biofeedback Self Regul** 1983 Dec;8(4):601–17

The effects of instructional set on the outcome of a stress management program. Shaw ER, et al. **Biofeedback Self Regul** 1983 Dec;8(4):555–65

Sources of uncertainty and psychophysiological state changes under conditions of noxious stimulus anticipation. Sosnowski T. **Biol Psychol** 1983 Dec;17(4):297–309

Phasic heart rate responses and cardiac cycle time in auditory choice reaction time. van der Molen MW, et al. **Biol Psychol** 1983 May-Jun;16(3–4):255–71

A stress and arousal mood scale for low vocabulary subjects: a reworking of Mackay et al. (1978). Cruickshank PJ. **Br J Psychol** 1984 Feb;75 (Pt 1):89–94

Measurement of stress and arousal: validation of the stress/arousal adjective checklist. King MG, et al. **Br J Psychol** 1983 Nov;74 (Pt 4):473–9

Assessing the consultation: method for measuring changes in patient stress and arousal. Pringle M, et al. **Br Med J [Clin Res]** 1984 Jun 2;288(6431):1657–8

Children's emotions and behaviors in response to infants' cries. Zahn-Waxler C, et al. **Child Dev** 1983 Dec; 54(6):1522–8

The response of young Peking ducklings to sibling distress calls. Gaioni SJ, et al. **Dev Psychobiol** 1983 Sep; 16(5):423–37

The effect of noise bandwidth on the auditory arousal response of neonates. Gerber SE, et al. **Ear Hear** 1984 Jul-Aug;5(4):195–8

Effects of noise on signal detection. Milošević S. **Ergonomics** 1983 Oct;26(10):939–46

Using EMg biofeedback to signal hyperactive children when to relax. christie DJ, et al. **Except Child** 1984 Apr; 50(6):547–8

Hibernation depth influences the edible dormouse pancreatic B cell during the spring arousal. Castex C, et al. **Gen Comp Endocrinol** 1984 Apr;54(1):123–31

Adrenal dopamine-beta-hydroxylase activity in the ground squirrel Citellus citellus—effect of hibernation, arousal, and continuous light. Petrović VM, et al. **Gen Comp Endocrinol** 1984 Mar;53(3):365–9

Hyperventilation: its relation to symptom experience and to anxiety. Huey SR, et al. **J Abnorm Psychol** 1983 Nov; 92(4):422–32

Is increased arousal in social anxiety noticed by others? McEwan KL, et al. **J Abnorm Psychol** 1983 Nov; 92(4):417–21

Active-alert hypnosis: replication and extension of previous research. Malott JM. **J Abnorm Psychol** 1984 May; 93(2):246–9

Harassment, hostility, and type A as determinants of cardiovascular reactivity during competition. Diamond EL, et al. **J Behav Med** 1984 Jun;7(2):171–89

Single- and successive-site EMG training in responding to anticipated pain. Diaz CC, et al. **J Behav Med** 1984 Jun; 7(2):231–46

Sexual fantasy alternation. Leonard SR, et al. **J Behav Ther Exp Psychiatry** 1983 Sep;14(3):241–9 (20 ref.)

Physiological responses to rational-emotive self-verbalizations. Master S, et al. **J Behav Ther Exp Psychiatry** 1983 Dec;14(4):289–96

Autonomic correlates of the subjective anxiety scale. Thyer BA, et al. **J Behav Ther Exp Psychiatry** 1984 Mar;15(1):3–7

Responsivity/nonresponsivity in psychosomatic disorders. Greenwald DF. **J Clin Psychol** 1984 Jan;40(1):40–51

Cognitive imagery and physiological feedback relaxation protocols applied to clinically tense young adults: a comparison of state, trait, and physiological effects. Schandler SL, et al. **J Clin Psychol** 1983 Sep;39(5):672–81

Emotional, behavioral, and physiological effects of chronic stress at Three Mile Island. Baum A, et al. **J Consult Clin Psychol** 1983 Aug;51(4):565–72

Sexual arousal to nonsexual violence and sadomasochistic themes among rapists and non sex-offenders. Quinsey VL, et al. **J Consult Clin Psychol** 1984 Aug;52(4):651–7

The discrepant repressor: differentiation between low anxiety, high anxiety, and repression of anxiety by autonomic-facial-verbal patterns of behavior. Asendorpf JB, et al. **J Pers Soc Psychol** 1983 Dec;45(6):1334–46

Dissonance arousal: physiological evidence. Croyle RT, et al. **J Pers Soc Psychol** 1983 Oct;45(4):782–91

Task-related arousal of type A and type B persons: level of challenge and response specificity. Holmes DS, et al. **J Pers Soc Psychol** 1984 Jun;46(6):1322–7

Challenge seeking and the type A coronary-prone behavior pattern. Ortega DF, et al. **J Pers Soc Psychol** 1984 Jun; 46(6):1328–34

Effects and aftereffects of stressor expectations. Spacapan S, et al. **J Pers Soc Psychol** 1983 Dec;45(6):1243–54

Motivation, anxiety, and the difficulty of avoidant control. Wright RA. **J Pers Soc Psychol** 1984 Jun;46(6):1376–88

Expectancy and heart rate as predictors of the speech performance of stutterers. Baumgartner JM, et al. **J Speech Hear Res** 1983 Sep;26(3):383–8

Disorders of arousal in Gilles de la Tourette's syndrome. Barabas G, et al. **Neurology (NY)** 1984 Jun;34(6):815–7

Anticipatory stress and vigilance. Singh IL. **Percept Mot Skills** 1984 Apr;58(2):574

Disruption and habituation of stable fixed-interval behavior in younger and older monkeys. Harrison DW, et al. **Physiol Behav** 1984 Mar;32(3):341–4

The Schachter theory of emotion: two decades later. Reisenzein R. **Psychol Bull** 1983 Sep;94(2):239–64 (218 ref.)

Optimal stimulation: a model of disordered activity and performance in normal and deviant children. Zentall SS, et al. **Psychol Bull** 1983 Nov;94(3):446–71

Awareness of internal cues and concordance among verbal behavioral, and physiological systems in dysfunction. Gannon L. **Psychol Rep** 1984 Apr;54(2):631–50

Effects of acute exercise and cigarette smoking on autonomic and neuromuscular responses to a cognitive stressor. Russell PO, et al. **Psychol Rep** 1983 Aug;53(1):199–206

Cardiac-somatic coupling during the foreperiod in a simple reaction-time task. Haagh SA, et al. **Psychol Res** 1984; 46(1–2):3–13

Facilitative and suppressive effects of punishment on the reaction time in humans under various conditions. Kida M. **Psychol Res** 1983;45(2):187–214

Operation-correlated heart-rate responses. Schönpflug W, et al. **Psychol Res** 1983;45(2):177–86

Drowsiness sedation levels in anxious neurotic outpatients. Fabre LF, et al. **Psychopharmacol Bull** 1984 Winter; 20(1):128–36

Dependence of skin conductance reactions and skin resistance reactions upon previous level. Boucsein W, et al. **Psychophysiology** 1984 Mar;21(2):212–8

Habituation and dishabituation of the orienting reaction to between and within trial changes in pitch and loudness. Fredrikson M, et al. **Psychophysiology** 1984 Mar; 21(2):219–27

The electrodermal orienting response and memory: an analysis of age differences in picture recall. Plouffe L, et al. **Psychophysiology** 1984 Mar;21(2):191–8

Psychophysiological activity and the buildup and release of proactive inhibition in short-term memory. Wilson KG. **Psychophysiology** 1984 Mar;21(2):135–42

Electrophysiologic characteristics of respiratory suspension periods occurring during the practice of the Transcendental Meditation Program. Badawi K, et al. **Psychosom Med** 1984 May-Jun;46(3):267–76

Behavioral response demands, cardiovascular reactivity, and essential hypertension. Steptoe A, et al. **Psychosom Med** 1984 Jan-Feb;46(1):33–48

Hemispheric asymmetry and electrodermal activity in orienting and Pavlovian conditioning paradigms. Hugdahl K, et al. **Scand J Psychol** 1982;Suppl 1:175–81

Differentiation between vicarious instigation and classical conditioning of electrodermal responses. Hygge S, et al. **Scand J Psychol** 1983;24(3):215–22

Type A behaviour and psychophysiological arousal. Lundberg U. **Scand J Psychol** 1982;Suppl 1:145–50

The search for stress markers. Ursin H. **Scand J Psychol** 1982; Suppl 1:165–9

Psychophysiological dysfunctions in the developmental course of schizophrenic disorders. Dawson ME, et al. **Schizophr Bull** 1984;10(2):204–32

The detection of behavioral state cycles and classification of temporal structure in behavioral states. Kraemer HC, et al. **Sleep** 1984;7(1):3–17

NREM sleep continuity and the sense of having slept in normal sleepers. Sewitch DE. **Sleep** 1984;7(2):147–54

Right hemisphere dominance in arousal induced by facilitating positions. Irie N, et al. **Tohoku J Exp Med** 1984 Feb;142(2):229–30

[Changes in vigilance and treatment of anxiety] Gorceix A. **Sem Hop Paris** 1983 Oct 20;59(37–38):2645–6 **(Fre)**

[Anxiety as experienced threat. Reference to Jakob Boehme's anxiety theory] von Baeyer W. **Nervenarzt** 1984 Jul; 55(7):349–57 **(Ger)**

[Clinical psychodiagnosis using psychophysiologic procedures] Grünberger J, et al. **Wien Med Wochenschr** 1984 Jan 31;134(2):29–35 (Eng. Abstr.) **(Ger)**

[Can discrepancies between physiologic and subjective data as indicators of individual anxiety be used?] Beyer HG. **Z Exp Angew Psychol** 1984;31(3):351–75 (Eng. Abstr.) **(Ger)**

[Effect of arbitrary provocation and nonspecific activation on aggressive behavior] Bornewasser M. **Z Exp Angew Psychol** 1984;31(3):391–406 (Eng. Abstr.) **(Ger)**

[Effect of experimental self verbalizations on physiologic, cognitive and motor components of conditioned fear reactions] Lauterbach W, et al. **Z Exp Angew Psychol** 1984; 31(2):259–79 (Eng. Abstr.) **(Ger)**

[Habituation of electrodermal orienting reaction in the diagnosis and early detection of Huntington chorea] Leonard JP, et al. **Z Exp Angew Psychol** 1984;31(3):447–63 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Nalbuphine reverses fentanyl-related EEG-changes in man. Freye E, et al. **Acta Anaesthesiol Belg** 1984 Mar;35(1):25–36

Heart rate responsivity to a high intensity auditory stimulus: a comparison of male alcoholics and normal controls. Knott VJ, et al. **Addict Behav** 1984;9(2):201–5

Carbon monoxide and human performance in a single and dual task methodology. Gliner JA, et al. **Aviat Space Environ Med** 1983 Aug;54(8):714–7

Physiological characteristics of pressure immobility. Effects of morphine, naloxone and pain. Carli G, et al. **Behav Brain Res** 1984 Apr;12(1):55–63

Prevention of stress-induced analgesia by substance P. Hall ME, et al. **Behav Brain Res** 1983 Dec;10(2–3):375–82

Vasopressin prolongs bradycardiac response during orientation. Hagan JJ, et al. **Behav Neural Biol** 1984 May; 41(1):77–83

An ACTH4-9 analog (ORG 2766) speeds recovery from septal hyperemotionality in the rat. Isaacson RL, et al. **Behav Neural Biol** 1983 Sep;39(1):52–9

Interaction of tail-pressure stress and d-amphetamine in disruption of the rat's ability to ignore an irrevelant stimulus. Heilman PA, et al. **Behav Neurosci** 1983 Dec; 97(6):1017–21

Effect of serotonergic and catecholaminergic antagonists on mild-stress-induced excessive grooming in the rat. Rodríguez Echandía EL, et al. **Behav Neurosci** 1983 Dec; 97(6):1022–4

Alcohol intoxication and deviant sexual arousal in male social drinkers. Barbaree HE, et al. **Behav Res Ther** 1983; 21(4):365–73

The psychological side effects of acebutolol and atenolol. Lewis MJ, et al. **Br J Clin Pharmacol** 1984 Mar;17(3):364–6

Differential behavioral effects induced by intrathecal microinjection of opiates: comparison of convulsive and cataleptic effects produced by morphine, methadone, and D-Ala2-methionine-enkephalinamide. Frenk H, et al. **Brain Res** 1984 May 7;299(1):31–42

Neurochemical and behavioral consequences of acute, uncontrollable stress: effects of dietary tyrosine. Lehnert H, et al. **Brain Res** 1984 Jun 15;303(2):215–23

Kappa-receptor antagonist reverse 'non-opioid' stress-induced analgesia. Panerai AE, et al. **Brain Res** 1984 Jun 18;304(1):153–6

Cataleptic effects of opiates following intrathecal administration. Watkins LR, et al. **Brain Res** 1984 May 7;299(1):43–9

Psychoactive drugs and stimulus analysis: I. The theoretical background and a model of affective disorders. Johnson FN. **Int J Neurosci** 1983 Jul;20(1–2):1–9

Psychoactive drugs and stimulus analysis: IV. The experimental discrimination of acute and prophylactic antidepressants. Johnson FN. **Int J Neurosci** 1983 Jul; 20(1–2):33–9

Psychoactive drugs and stimulus analysis: VI. Evaluation of one-trial modification of exploration as a basis for psychoactive drug classification. Johnson FN. **Int J Neurosci** 1983 Jul;20(1–2):49–57

Psychoactive drugs and stimulus analysis: V. The experimental discrimination of tranquilizing and sedative drugs. Johnson FN. **Int J Neurosci** 1983 Jul;20(1–2):41–8

Psychoactive drugs and stimulus analysis: II. The experimental distinction of stimulus processing and motor effects of drugs. Johnson FN. **Int J Neurosci** 1983 Jul; 20(1–2):11–24

Psychoactive drugs and stimulus analysis: III. Adjustment of behavioural measures for drug-induced memory effects and state dependence: the case of chlorpromazine. Johnson FN. **Int J Neurosci** 1983 Jul;20(1–2):25–31

Carbon dioxide and anxiety: cardiovascular effects of a single inhalation. Griez E, et al. **J Behav Ther Exp Psychiatry** 1983 Dec;14(4):297–304

Effects of morphine, clonidine, and intensity change on electric-shock discrimination. Genovese RF, et al. **J Exp Anal Behav** 1984 May;41(3):309–17

Psychophysiological measures from intoxicated and detoxified alcoholics. Cohen MJ, et al. **J Stud Alcohol** 1983 Mar;44(2):271–82

Alcohol and the disinhibition of sexual responsiveness. Wilson GT, et al. **J Stud Alcohol** 1984 May;45(3):219–24

Do the reductions in social interaction produced by picrotoxin and pentylenetetrazole indicate anxiogenic actions? File SE, et al. **Neuropharmacology** 1984 Jul; 23(7A):793–6

The benzodiazepine receptor ligand CL218,872 has both anxiolytic and sedative properties in rodents. Oakley NR, et al. **Neuropharmacology** 1984 Jul;23(7A):797–802

EEG evaluation of drug effects in the rat. Glatt A, et al. **Neuropsychobiology** 1983;9(2–3):163–6

Influence of single doses of dothiepin and amitriptyline on physiological measures and psychomotor performance in normal young and elderly volunteers. Ogura C, et al. **Neuropsychobiology** 1983;10(2–3):103–7

Beta-carbolines with agonistic and inverse agonistic properties at benzodiazepine receptors of the rat. Stephens DN, et al. **Neurosci Lett** 1984 Jun 29;47(3):333–8

Purinergic control of anxiety: direct behavioral evidence in the rat. Wagner JA, et al. **Neurosci Lett** 1983 Dec 30; 43(2–3):333–7

Profound anesthesia [letter] Heavner JE. **Pain** 1984 Apr; 18(4):409–11

Atropine in the abstinence after chronic barbital treatment in the rat. Wahlström G. **Pharmacol Biochem Behav** 1980; 13 Suppl 1:249–55

The effects of endorphins on cardiac responses during an emotional stress. Hagan JJ, et al. **Physiol Behav** 1983 Nov; 31(5):607–14

Differential rearing affects responsiveness of rats to depressant and convulsant drugs. Juraska JM, et al. **Physiol Behav** 1983 Nov;31(5):711–5

A pharmacokinetic/pharmacodynamic/receptor binding model to predict the onset and duration of pharmacological activity of the benzodiazepines. Jack ML, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1983; 7(4–6):629–35

Prazosin, a specific alpha 1-noradrenergic receptor antagonist, has no effect on symptoms but increases autonomic arousal in schizophrenic patients. Hommer DW, et al. **Psychiatry Res** 1984 Mar;11(3):193–204

Caffeine and cardiovascular responses to stress. Lane JD. **Psychosom Med** 1983 Oct;45(5):447–51

Experimental elevations of blood pressure induced as an internal stimulus during sleep in man: effects on cortical vigilance and response thresholds in different sleep stages. Schneider-Helmert D. **Sleep** 1983;6(4):339–46

[Effect of lysine-vasopressin on the Flicker Test and the Buschke Memory Test in elderly patients] Mormont I, et al. **Acta Psychiatr Belg** 1983;83(6):579–87 (Eng. Abstr.) **(Fre)**

[Benzodiazepines, alcohol and effects on vigilance] Barrucand D. **Encephale** 1983;9(4 Suppl 2):117B–122B (Eng. Abstr.) **(Fre)**

[Waking effect in the rat of semi-chronic treatment with oxolinic acid (letter)] Tognetti P, et al. **Presse Med** 1984 Jun 9;13(24):1514–5 **(Fre)**

[Interaction between tiapride and alcohol in man] Vandel B, et al. **Sem Hop Paris** 1984 Jan 26;60(3):175–7 (Eng. Abstr.) **(Fre)**

[Biochemical, pharmacologic and psychophysiologic studies for the optimization of drug therapy in depressive illnesses] Gaertner HJ, et al. **Nervenarzt** 1984 Mar;55(3):133–6 **(Ger)**

[Anxiety and anger: psychobiologic studies on the question of the specific anxiolytic effect of tranquilizers] Schmit U, et al. **Nervenarzt** 1984 Mar;55(3):143–9 **(Ger)**

[Lithium in the treatment of periodically occurring catatonic arousal states in schizophrenic patients] Weizsäcker M, et al. **Nervenarzt** 1984 Jul;55(7):382–4 **(Ger)**

[Blood concentration of ketamine during the waking phase anesthesia] Audibert GB, et al. **Minerva Anestesiol** 1984 Mar;50(3):55–7 (Eng. Abstr.) **(Ita)**

PHYSIOLOGY

Psychophysiological correlates of conflict solving and cigarette smoking. Suter TW, et al. **Act Nerv Super (Praha)** 1983 Dec;25(4):261–72

Enhancement of performance for brain stimulation reward after footshock in rats. Sadowski B, et al. **Acta Neurobiol Exp (Warsz)** 1984;44(2):51–9

Intracortical organization of arousal as a model of dynamic neuronal processes that may involve a set for movements. Oshima T. **Adv Neurol** 1983;39:287–300

Preferential utilization of brown adipose tissue lipids during arousal from hibernation in hamsters. Nedergaard J, et al. **Am J Physiol** 1984 Sep;247(3 Pt 2):R506–12

Meditation and somatic arousal reduction. A review of the experimental evidence. Holmes DS. **Am Psychol** 1984 Jan; 39(1):1–10

Brain potentials associated with voluntary manual tracking: bereitschaftspotential, conditioned premotion positivity, directed attention potential, and relaxation potential. Anticipatory activity of the limbic and frontal cortex. Deecke L, et al. **Ann NY Acad Sci** 1984;425:450–64

The P40 and P100 processing positivities that precede P300 closure in serial somatosensory decision tasks. Desmedt JE, et al. **Ann NY Acad Sci** 1984;425:188–93

P300: a model of the variables controlling its amplitude. Johnson R Jr. **Ann NY Acad Sci** 1984;425:223–9

A psychophysiological analysis of bargaining. ERPs and facial expressions. Karis D, et al. **Ann NY Acad Sci** 1984; 425:230–5

Event-related brain potentials (ERPs) elicited by novel stimuli during sentence processing. Kutas M, et al. **Ann NY Acad Sci** 1984;425:236–41

Electrocortical measures of information processing deficit in anhedonia. Miller GA, et al. **Ann NY Acad Sci** 1984; 425:598–602

Nasopharyngeal recordings of endogenous event-related potentials. Perrault N, et al. **Ann NY Acad Sci** 1984; 425:262–6

Bilateral distribution of the O wave. Rohrbaugh JW, et al. **Ann NY Acad Sci** 1984;425:267–70

Disturbance in responsiveness in patients with post-meningoencephalitic epilepsy. Rogozea R, et al. **Appl Neurophysiol** 1983;46(5–6):261–71

Volunteer bias in research employing vaginal measures of sexual arousal. Wolchik SA, et al. **Arch Sex Behav** 1983 Oct;12(5):399–408

Effects of lesions to ascending noradrenergic neurones on performance of a 5-choice serial reaction task in rats; implications for theories of dorsal noradrenergic bundle function based on selective attention and arousal. Carli M, et al. **Behav Brain Res** 1983 Sep;9(3):361–80

Adaptation of anterior pituitary hormones to chronic noise stress in male rats. Armario A, et al. **Behav Neural Biol** 1984 May;41(1):71–6

Behavioral changes in aging Aplysia: a model system for studying the cellular basis of age-impaired learning, memory, and arousal. Bailey CH, et al. **Behav Neural Biol** 1983 May;38(1):70–81

Strain differences in sympathetic-adrenal medullary responsiveness and behavior. McCarty R, et al. **Behav Neural Biol** 1984 Jan;40(1):98–113

The formalin test and the opioid nature of stress-induced analgesia. Maier SF, et al. **Behav Neural Biol** 1984 May; 41(1):54–62

Immediate and proactive effects of controllability and predictability on plasma cortisol responses to shocks in dogs. Dess NK, et al. **Behav Neurosci** 1983 Dec; 97(6):1005–16

Shock-induced analgesia on the formalin test: effects of shock severity, naloxone, hypophysectomy, and associative variables. Fanselow MS. **Behav Neurosci** 1984 Feb; 98(1):79–95

Skin evaporative water loss (SE) and skin conductance (SC) under various psychophysiological conditions. Muthny FA, et al. **Biol Psychol** 1983 May-Jun;16(3–4):241–53

The component structure of event-related slow potentials: task, ISI, and warning stimulus effects on the 'E' wave. Simons RF, et al. **Biol Psychol** 1983 Sep-Nov; 17(2–3):193–219

Multivariate analysis of EEG coherence: stability of the metric, individual differences in patterning and response to arousal. Swenson RA, et al. **Biol Psychol** 1983 Aug; 17(1):59–75

Differential pulse voltammetric determination of 5-hydroxyindoles in four raphe nuclei of chronic freely moving rats simultaneously recorded by polygraphic technique: physiological changes with vigilance states. Crespi F, et al. **Brain Res** 1984 May 7;299(1):113–9

Functional activation in the auditory system of the rat produced by arousing reticular stimulation: a 2-deoxyglucose study. Gonzalez-Lima F, et al. **Brain Res** 1984 May 14;299(2):201–14

Environmental stimuli but not homeostatic challenges produce apparent increases in dopaminergic activity in the striatum: an analysis by in vivo voltammetry. Keller RW Jr, et al. **Brain Res** 1983 Nov 21;279(1–2):159–70

Unit responses changing with behavioral outcome in the olfactory bulb of unrestrained rats. Pager J. **Brain Res** 1983 Dec 19;289(1–2):87–98

Stress-induced analgesia in frogs: evidence for the involvement of an opioid system. Pezalla PD, et al. **Brain Res** 1984 Apr 2;296(2):356–60

Cholinergic modulation of the functional organization of the cat visual cortex. Sillito AM, et al. **Brain Res** 1983 Dec 19;289(1–2):143–55

Olfactory and vomeronasal system mediation of maternal recognition in the developing rat. Teicher MH, et al. **Brain Res** 1984 Jan;314(1):97–110

Discrete telencephalic lesions accelerate the habituation rate of behavioral arousal responses in Siamese fighting fish (Betta splendens). Marino-Neto J, et al. **Braz J Med Biol Res** 1983 Oct;16(3):271–8

Pineal melatonin in hibernating and aroused golden hamsters (Mesocricetus auratus). Vaněček J, et al. **Comp Biochem Physiol [A]** 1984;77(4):759–62

Distribution of superoxide dismutase in the ground squirrel (Citellus citellus): effect of the hibernation and arousal. Petrović VM, et al. **Comp Biochem Physiol [B]** 1983; 75(4):699–700

Vigilance level-dependent tonic seizures—epilepsy or sleep disorder? A case report. Rajna P, et al. **Epilepsia** 1983 Dec; 24(6):725–33

Participation of the hippocampus in the facilitatory effect of an exteroceptive stimulus on milk ejection. Deis RP, et al. **Exp Brain Res** 1984;55(1):177–9

Activity of serotonin-containing nucleus centralis superior (Raphe medianus) neurons in freely moving cats. Trulson ME, et al. **Exp Brain Res** 1984;54(1):33–44

Social status, gonadal state, and the adrenal stress response in the lizard, Anolis carolinensis. Greenberg N, et al. **Horm Behav** 1984 Mar;18(1):1–11

Involvement of the baroreceptor reflexes in the changes in blood pressure with sleep and mental arousal. Conway J, et al. **Hypertension** 1983 Sep-Oct;5(5):746–8

Fuzzy clustering of EEG signal and vigilance performance. Gath I, et al. **Int J Neurosci** 1983 Sep;20(3–4):303–12

Cerebral activation patterns in an arithmetic and a visuospatial processing task. Papanicolaou AC, et al. **Int J Neurosci** 1983 Sep;20(3–4):283–7

A physiological evaluation of the yoga concept of respiratory control of autonomic nervous system activity. Morse DR,

et al. **Int J Psychosom** 1984;31(1):3–19
Physiological responses and clinical phenomena during the psychotherapeutic process. Glucksman ML.
J Am Acad Psychoanal 1983 Oct;11(4):475–91
Ventilation and arousal responses to hypercapnia in normal sleeping humans. Berthon-Jones M, et al.
J Appl Physiol 1984 Jul;57(1):59–67
Arousal and breathing responses to airway occlusion in healthy sleeping adults. Issa FG, et al. **J Appl Physiol** 1983 Oct;55(4):1113–9
Baroreceptor reflex during arousal induced by electrical stimulation of the amygdala or by natural stimuli. Schlör KH, et al. **J Auton Nerv Syst** 1984 Apr;10(2):157–65
Arousal responses to chemical stimuli during sleep. Bowes G. **J Dev Physiol** 1984 Jun;6(3):207–13
Alterations in cognitive performance and affect–arousal state during fluctuations in motor function in Parkinson's disease. Brown RG, et al. **J Neurol Neurosurg Psychiatry** 1984 May; 47(5):454–65
Neuronal mediation of cardiovascular effects of food arousal in aplysia. Koch UT, et al. **J Neurophysiol** 1984 Jan; 51(1):126–35
The role of arousal in heart rate measurement [letter] Bennett G. **J Occup Med** 1983 Oct;25(10):718–9
Implicit psychophysiology: effects of common beliefs and idiosyncratic physiological responses on symptom reporting. Pennebaker JW, et al. **J Pers** 1983 Sep; 51(3):468–96
Cardiovascular reactivity in mild hypertension. Drummond PD. **J Psychosom Res** 1983;27(4):291–7
Role of sympathetic nervous system in immobilization- and cold-induced brown adipose tissue thermogenesis in rats. Shibata H, et al. **Jpn J Physiol** 1984;34(1):103–11
Pre-decapitation state of arousal of rats predetermines the effect of des-Tyr1-gamma-endorphin on dopamine release from nucleus accumbens slices in vitro. Versteeg DH, et al. **Life Sci** 1984 Apr 16;34(16):1549–54
Age-related changes in brain catecholamine responses to a single footshock. Welsh KA, et al. **Neurobiol Aging** 1984 Spring;5(1):55–9
Responsiveness disturbances in nocturnal enuresis. Rogozea R, et al. **Neurol Psychiatr (Bucur)** 1984 Apr–Jun; 22(2):137–51
EEG vigilance profile as a supplement of psychiatric data. Matousek M. **Neuropsychobiology** 1983;9(4):250–3
Activation and anxiety as represented by patterns of catecholamine levels in hyper- and normotensives. Netter P. **Neuropsychobiology** 1983;10(2–3):148–55
Arousal episodes during sleep in the neonatal rat. Corner M, et al. **Neurosci Lett** 1983 Nov 21;42(1):45–8
Conditional tonic stimulus control of nonspecific arousal. Kimmel HD, et al. **Pavlov J Biol Sci** 1983 Jul–Sep; 18(3):136–43
Flicker fusion as a typological index of nervous system 'reactivity'. Powell RR. **Percept Mot Skills** 1983 Dec;57(3 Pt 1):701–2
Cholinergic effects on arousal and cocaine-induced olfactory-amygdala spindling and seizures in cats. Castellani S, et al. **Physiol Behav** 1983 Oct;31(4):461–6
Visual unit, EEG and sustained potential shift responses in the brains of toads (Bufo bufo) during alert and defensive behavior. Laming PR, et al. **Physiol Behav** 1984 Mar; 32(3):463–8
Suckling and arousal in the rabbit: activity of neurones in the cerebral cortex. Paisley AC, et al. **Physiol Behav** 1983 Oct;31(4):471–5
Pure tone habituation gradients based on responsiveness to electrical stimuli. Rudell AP. **Physiol Behav** 1983 Nov; 31(5):663–71
A psychophysiological study of post traumatic stress disorder in Vietnam veterans. Blanchard EB, et al. **Psychiatr Q** 1982 Winter;54(4):220–9
Predictable and unpredictable shock: behavioral measures of aversion and physiological measures of stress. Abbott BB, et al. **Psychol Bull** 1984 Jul;96(1):45–71
Social facilitation: a meta-analysis of 241 studies. Bond CF Jr, et al. **Psychol Bull** 1983 Sep;94(2):265–92 (304 ref.)
Cortical noradrenaline, attention and arousal. Robbins TW. **Psychol Med** 1984 Feb;14(1):13–21
Is there a cell-biological alphabet for simple forms of learning? Hawkins RD, et al. **Psychol Rev** 1984 Jul; 91(3):375–91
Biological rhythms in arousal indices: a potential confounding effect in EEG biofeedback. Gertz J, et al.
Psychophysiology 1983 Nov;20(6):690–5
Electrodermal habituation speed and visual monitoring performance. Vossel G, et al. **Psychophysiology** 1984 Jan; 21(1):97–100
Effect of mental stress on baroreceptor-mediated changes in blood pressure and heart rate and on plasma catecholamines and subjective responses in healthy men and women. Forsman L, et al. **Psychosom Med** 1983 Oct; 45(5):435–45
Biochemical changes in two subjects succumbing to syncope. Vingerhoets AJ. **Psychosom Med** 1984 Mar–Apr; 46(2):95–103
The relationship between induced emotional arousal and amnesia. Christianson SA. **Scand J Psychol** 1984; 25(2):147–60
Challenge–control interaction as reflected in sympathetic-adrenal and pituitary-adrenal activity: comparison between the sexes. Frankenhaeuser M. **Scand J Psychol** 1982;Suppl 1:158–64
The ontogeny of defensive reactions in the rat: influence of the monoamine transmission systems. Hård E, et al.
Scand J Psychol 1982;Suppl 1:90–6
[Vigilance evaluation by uncertain luminous spots in a prolonged and monotonous situation] Duizabo D, et al. **Agressologie** 1984 Jan;25(1):17–20 (Eng. Abstr.) **(Fre)**

ARRHENOBLASTOMA

Pregnancy in a patient with virilizing arrhenoblastoma. Barkan A, et al. **Am J Obstet Gynecol** 1984 Aug 15; 149(8):909–10

COMPLICATIONS

[Endocrine studies of juvenile amenorrhea associated with ovarian androblastoma] Himeno R, et al.
Horumon To Rinsho 1983 Dec;31(12):1197–202 **(Jpn)**

FAMILIAL & GENETIC

Androblastoma associated with pregnancy in two sisters. Case report. Kristensen GB, et al.
Br J Obstet Gynaecol 1984 Jun;91(6):592–5

METABOLISM

Steroid metabolism in an androblastoma (Sertoli–Leydig cell tumor): a histopathological and biochemical study. Stegner HE, et al. **Int J Gynecol Pathol** 1984;2(4):410–25

PATHOLOGY

Case records of the Massachusetts General Hospital. Weekly clinicopathological Exercises. Case 37–1984. A 31-year-old woman with virilization. **N Engl J Med** 1984 Sep 13;311(11):721–5
[Ovarian androblastoma with heterologous elements] Martinazzi M, et al. **Pathologica** 1983 Mar–Apr; 75(1036):207–14 (Eng. Abstr.) **(Ita)**

SURGERY

Pregnancy following androblastoma. Robinson AC, et al. **Ir J Med Sci** 1983 Jul;152(7):283–5

ARRHYTHMIA

Arrhythmia versus dysrhythmia. Marriott HJ.
Am J Cardiol 1984 Feb 1;53(4):628
A complex matter. Julian DG. **Eur Heart J** 1984 Jun; 5(6):513–4
Premature ventricular complexes. Diagnosis and indications for therapy. Morganroth J. **JAMA** 1984 Aug 3;252(5):673–6
Symposium on cardiac arrhythmias I.
Med Clin North Am 1984 Jul;68(4):793–1012
[Arrhythmias and sudden death] Rothlin ME.
Schweiz Rundsch Med Prax 1984 Jan 17;73(3):71–3 (Eng. Abstr.) **(Ger)**

BLOOD

Myocardial damage after D.C. countershock: myoglobin and CK-MB radioimmunoassay evaluation. Pauletto P, et al. **Acta Cardiol (Brux)** 1984;39(2):115–20
Evaluation of the effects of catheter sampling for the study of platelet behavior in the pulmonary and coronary circulation. Bugiardini R, et al. **Am Heart J** 1984 Aug; 108(2):255–60
Improved liquid-chromatographic determination of mexiletine, an antiarrhythmic drug, in plasma. Mastropaolo W, et al. **Clin Chem** 1984 Feb;30(2):319–22
Effect of acebutolol on plasma catecholamine concentrations in anesthetized dogs with ouabain-induced arrhythmias and its direct actions in vitro on the adrenal medulla. Nakai T, et al. **Endocrinol Jpn** 1983 Oct;30(5):643–9
Serum drug concentrations and adverse effects in cardiac patients after administration of a new controlled-release disopyramide preparation. Zema MJ. **Ther Drug Monit** 1984;6(2):192–8
Value of serum magnesium estimation in diagnosing myocardial infarction and predicting dysrhythmias after coronary artery bypass grafting. Bunton RW. **Thorax** 1983 Dec;38(12):946–50
[Cyclic nucleotides and creatine phosphokinase activity in children with cardiac arrhythmias] Tamm LIa, et al.
Kardiologiia 1984 May;24(5):43–8 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Methylmethacrylate and atrioventricular conduction in dogs. Brown DL, et al. **Acta Anaesthesiol Scand** 1984 Feb; 28(1):77–80
Cardiac dysrhythmias and heart rate changes at induction of anaesthesia: a comparison of two intravenous anticholinergics. Greenan J. **Acta Anaesthesiol Scand** 1984 Apr;28(2):182–4
Cardiac arrhythmias in intubated children during adenoidectomy. A comparison between enflurane and halothane anaesthesia. Sigurdsson GH, et al.
Acta Anaesthesiol Scand 1983 Dec;27(6):484–9
Bradycardia and cardiac asystole following a single injection of suxamethonium. Sørensen M, et al.
Acta Anaesthesiol Scand 1984 Apr;28(2):232–5
Arrhythmogenic assessment of prenalterol in conscious dogs. Aberg G, et al. **Acta Pharmacol Toxicol (Copenh)** 1983 Aug; 53(2):141–5
Proarrhythmic effects of the new antiarrhythmic agent flecainide acetate. Nathan AW, et al. **Am Heart J** 1984 Feb;107(2):222–8
Amiodarone-induced ventricular tachyarrhythmias [letter] Santinelli V, et al. **Am Heart J** 1984 Mar;107(3):610–1
Accelerated junctional rhythms during oral verapamil therapy. Schwartz JB, et al. **Am Heart J** 1984 Mar; 107(3):440–3
Flecainide: its proarrhythmic effect and expected changes on the surface electrocardiogram. Morganroth J, et al.
Am J Cardiol 1984 Feb 27;53(5):89B–94B
Mechanism of caffeine-induced arrhythmias in canine cardiac Purkinje fibers. Paspa P, et al. **Am J Cardiol** 1984 Jan 15; 53(2):313–9
Calcium channel blockade: possible explanation for thioridazine's peripheral side effects. Gould RJ, et al.
Am J Psychiatry 1984 Mar;141(3):352–7
Trazodone cardiotoxicity [letter] Lippmann S, et al.
Am J Psychiatry 1983 Oct;140(10):1383
Sudden death and neuroleptic medication [letter] Turbott J, et al. **Am J Psychiatry** 1984 Jul;141(7):919–20
Hypotension and dysrhythmia following intravenous metoclopramide [letter] Hughes RL. **Anaesthesia** 1984 Jul; 39(7):720
Cardiac complications during use of etomidate. Van den Hurk AW, et al. **Anaesthesia** 1983 Dec;38(12):1183–4
Alpha-adrenergic responsiveness correlates with epinephrine dose for arrhythmias during halothane anesthesia in dogs. Spiss CK, et al. **Anesth Analg** 1984 Mar;63(3):297–300
Halothane–epinephrine arrhythmias and adrenergic responsiveness after chronic imipramine administration in dogs. Spiss CK, et al. **Anesth Analg** 1984 Sep;63(9):825–8
Bupivacaine-induced cardiac arrhythmias in sheep. Kotelko DM, et al. **Anesthesiology** 1984 Jan;60(1):10–8
Proarrhythmic effects of antiarrhythmic drugs. Goldstein RE, et al. **Ann NY Acad Sci** 1984;427:94–100
Arrhythmia during insulin-induced hypoglycemia in a diabetic patient. Shimada R, et al. **Arch Intern Med** 1984 May;144(5):1068–9
Ventricular arrhythmia or supraventricular arrhythmia with aberrant conduction? An electrocardiographic study in halothane–anaesthetized children undergoing adenoidectomy. Sigurdsson GH, et al. **Br J Anaesth** 1983 Sep;55(9):861–8
Incidence of cardiac arrhythmias in patients taking slow release salbutamol and terbutaline for asthma [letter] Harrison P. **Br Med J [Clin Res]** 1984 Mar 17;288(6420):863
Incidence of cardiac arrhythmias in patients taking slow release salbutamol and slow release terbutaline for asthma. Al-Hillawi AH, et al. **Br Med J [Clin Res]** 1984 Feb 4; 288(6414):367
Effect of age on epinephrine-induced arrhythmias during halothane anaesthesia in pigs. Rao CC, et al.
Can Anaesth Soc J 1984 Jan;31(1):20–3
Increased sensitivity to norepinephrine cardiac arrhythmias in the deoxycorticosterone acetate high salt rat before the onset of hypertension. Rabkin SW, et al.
Can J Physiol Pharmacol 1984 Jun;62(6):605–9
On the mechanism of myocardial sensitization to catecholamines by hydrocarbon anesthetics. Reynolds AK.
Can J Physiol Pharmacol 1984 Feb;62(2):183–98 (105 ref.)
QT interval prolongation and cardiac dysrhythmia in a patient receiving amsacrine. Schwartz CL, et al.
Cancer Treat Rep 1984 Jul–Aug;68(7–8):1043–4
Asystole and ventricular fibrillation associated with cocaine intoxication. Nanji AA, et al. **Chest** 1984 Jan;85(1):132–3
The effects of adriamycin on normal and ouabain-toxic canine Purkinje and ventricular muscle fibers. Binah O, et al. **Circ Res** 1983 Nov;53(5):655–62
Cardiac arrhythmias after abrupt clonidine withdrawal. Peters RW, et al. **Clin Pharmacol Ther** 1983 Oct;34(4):435–9
Holter monitoring in ankylosing spondylitis patients during methylprednisolone pulse therapy. Nasswetter G, et al.
Clin Rheumatol 1984 Mar;3(1):29–31
Persistent cardiovascular problems in newborn rats prenatally exposed to sub-teratogenic doses of the pesticide, mirex. Grabowski CT. **Dev Toxicol Environ Sci** 1983;11:537–40
Cardiac arrhythmias after phenylpropanolamine ingestion. Clark JE, et al. **Drug Intell Clin Pharm** 1983 Oct; 17(10):737–8
Cellular basis for arrhythmogenicity of ionophores with different cation selectivities. Gaide MS, et al.
Eur J Pharmacol 1984 Apr 6;99(4):349–52
Bigeminal rhythm on multiple cardiac drug therapy. Hancock EW. **Hosp Pract [Off]** 1984 Feb;19(2):79, 82–3
Digoxin induced arrhythmias and electrolytes. Sundar S, et al. **Indian Heart J** 1984 Mar–Apr;36(2):104–6
Prophylactic lidocaine in suspected acute myocardial infarction. Dunn HM, et al. **Int J Cardiol** 1984 Jan;5(1):96–8
Arrhythmogenic effect of epinephrine [letter] Korczyn AD, et al. **J Cardiovasc Pharmacol** 1984 Jan–Feb;6(1):206–7
Ventricular arrhythmias induced by doxepin and amitriptyline: case report. Todd RD, et al.
J Clin Psychiatry 1983 Nov;44(11):423–5
Trazodone and cardiovascular side effects [letter] Pellettier JR, et al. **J Clin Psychopharmacol** 1984 Apr;4(2):119
Polymorphic ventricular tachycardia and other complex arrhythmias in organophosphate insecticide poisoning. Brill DM, et al. **J Electrocardiol** 1984 Jan;17(1):97–102
Two potentially arrhythmogenic mechanisms of adrenaline

action in cardiac muscle. Shimoni Y, et al. **J Mol Cell Cardiol** 1984 May;16(5):471–8

Comparison of digoxin–induced cardiac toxicity in resistant and sensitive species. Weinhouse E, et al. **J Pharm Pharmacol** 1983 Sep;35(9):580–3

Digoxin–induced toxicity and experimental atrioventricular block in dogs. Relation between ventricular arrhythmias and oscillatory afterpotentials. Adamantidis MM, et al. **J Pharmacol** 1983 Jul–Sep;14(3):333–49

Magnesium deficiency and digitalis toxicity [letter] Landauer JA. **JAMA** 1984 Feb 10;251(6):730

Reduced tolerance to digitalis–induced arrhythmias caused by coronary–flow alterations in isolated perfused heart of guinea pigs. Kim DH, et al. **Life Sci** 1984 Jan 9;34(2):105–12

Diuretic–induced cardiac arrhythmias. Whelton PK. **Md State Med J** 1983 Dec;32(12):903–4

Fatality caused by inhalation of 'liquid paper' correction fluid [letter] Banathy LJ, et al. **Med J Aust** 1983 Dec 10–24; 2(12):606

Potassium and diuretic–induced ventricular arrhythmias in ambulatory hypertensive patients. Caralis PV, et al. **Miner Electrolyte Metab** 1984;10(3):148–54

Atrioventricular dissociation and sinus arrest induced by oral diltiazem [letter] Ishikawa T, et al. **N Engl J Med** 1983 Nov 3;309(18):1124–5

Cardiac effects of clomipramine treatment. ECG and left ventricular systolic time intervals. Faravelli C, et al. **Neuropsychobiology** 1983;9(2–3):113–8

Efficacy and tolerability of dibenzepin administered by intravenous drip infusion to severely depressed patients. Gastpar M, et al. **Neuropsychobiology** 1984;11(1):44–8

Cardiac arrhythmias during phenol face peeling. Gross BG. **Plast Reconstr Surg** 1984 Apr;73(4):590–4

The role of trazodone in the treatment of depressed cardiac patients. Himmelhoch JM, et al. **Psychopathology** 1984;17 Suppl 2:51–63

A double–blind non–crossover placebo–controlled study between group comparison of trazodone and amitriptyline on cardiovascular function in major depressive disorder. van de Merwe TJ, et al. **Psychopathology** 1984;17 Suppl 2:64–76

Acute doxorubicin–induced cardiac arrhythmias during ether anesthesia. Aversano RC, et al. **Res Commun Chem Pathol Pharmacol** 1983 Aug;41(2):345–8

Arrhythmogenic and antiarrhythmic effects of lipolytic factors on cultured heart cells. Wenzel DG, et al. **Res Commun Chem Pathol Pharmacol** 1983 Sep; 41(3):383–96

Arrhythmogenicity of anti–arrhythmic therapy [editorial] Millar RN, et al. **S Afr Med J** 1983 Sep 17;64(12):422–3

Effects on cardiac rhythm of premedication with atropine or glycopyrrolate. Shipton EA, et al. **S Afr Med J** 1984 Aug 25;66(8):287–8

Use of heart cell cultures as a tool for the evaluation of halothane arrhythmia. Miletich DJ, et al. **Toxicol Appl Pharmacol** 1983 Sep 15;70(2):181–7

Epinephrine–induced cardiac arrhythmias in rabbits exposed to tetrachloroethylene. Carlson GP. **Toxicol Lett** 1983 Oct–Nov;19(1–2):113–7

Cardiac arrhythmias in a patient with grayanotoxin–honey poisoning. Gossinger H, et al. **Vet Hum Toxicol** 1983 Oct; 25(5):328–9

[Cardiac dysrhythmias during halothane and enflurane anesthesia for dental procedures: a comparison] Roelofse JA. **S Afr Med J** 1983 Sep 17;64(12):448–50 (Eng. Abstr.) **(Afr)**

[Arrhythmia in relation to acute alcoholic intoxication in the absence of obvious cardiopathy] Haissaguerre M, et al. **Presse Med** 1984 Jul 7;13(28):1723–6 (Eng. Abstr.) **(Fre)**

[Glycoside poisoning and its treatment] Schölmerich P, et al. **Verh Dtsch Ges Herz Kreislaufforsch** 1982;48:56–66 **(Ger)**

[Heart rhythm disorders as a result of therapy] Sangiorgi M, et al. **Z Gesamte Inn Med** 1983 Jul 1;38(13):97–8 concl (Eng. Abstr.) **(Ger)**

[The effect of Cavinton on patients susceptible to arrhythmia studied by ECG monitoring] Perényi T, et al. **Orv Hetil** 1983 Nov 20;124(47):2875–6 (Eng. Abstr.) **(Hun)**

[Toxic effects of digitalis] Maldacea F. **Clin Ter** 1984 Jan 31;108(2):151–5 **(Ita)**

[Asymptomatic electrocardiographic abnormalities during antiblastic chemotherapy] Bottoni P, et al. **Minerva Med** 1983 Oct 6;74(38):2211–8 (Eng. Abstr.) **(Ita)**

[Acute cardiotoxicity of anthracyclines—analysis by using Holter ECG] Okuma K, et al. **Gan To Kagaku Ryoho** 1984 Apr;11(4):902–11 (Eng. Abstr.) **(Jpn)**

[The abnormal ECG and the appearance of methacholine–induced arrhythmias in SART mice and effects of beta–blockers, oxprenolol, propranolol, and carteolol] Hata T, et al. **Nippon Yakurigaku Zasshi** 1984 May;83(5):413–24 (Eng. Abstr.) **(Jpn)**

[Digitalis poisoning: electrophysiology, clinical aspects and therapeutics] Mattos B, et al. **Arq Bras Cardiol** 1983 Jun; 40(6):423–8 (Eng. Abstr.) **(Por)**

[Side effects of cardiac glycosides in patients with circulatory failure] Vasilenko VV, et al. **Sov Med** 1984;(4):75–9 (78 ref.) **(Rus)**

[Transient widening of the QRS caused by acute imipramine poisoning (letter)] Guerrero Sanz JE, et al. **Med Clin (Barc)** 1983 Oct 15;81(11):497 **(Spa)**

[Arrhythmogenesis of anti–arrhythmia drugs (editorial)] Bayés de Luna A. **Rev Esp Cardiol** 1984 Jul–Aug; 37(4):233–5 **(Spa)**

CLASSIFICATION

[Trigeminy—review of a proposed definition and classification] Katoh T, et al. **Kokyu To Junkan** 1983 Sep; 31(9):1001–10 (14 ref.) (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

Are cardiac arrhythmias important in stroke? Taylor IC, et al. **Age Ageing** 1983 Aug;12(3):217–24

Double ventricular parasystole associated with complete atrioventricular block. Takeda H, et al. **Am Heart J** 1983 Nov;106(5 Pt 1):1167–9

Arrhythmogenic right ventricular dysplasia associated with atrioventricular conduction disturbance. Beerman LB, et al. **Am J Cardiol** 1983 Oct 1;52(7):909–12

Cardiac and skeletal myopathy associated with cardiac dysrhythmias. Dunnigan A, et al. **Am J Cardiol** 1984 Mar 1;53(6):731–7

Significance of ventricular arrhythmias in idiopathic dilated cardiomyopathy. Meinertz T, et al. **Am J Cardiol** 1984 Mar 15;53(7):902–7

Cardiac conduction defects in patients older than 60 years with aortic stenosis with and without mitral anular calcium. Nair CK, et al. **Am J Cardiol** 1984 Jan 1;53(1):169–72

Arrhythmias and pericardial disease [letter] Spodick DH. **Am J Cardiol** 1984 Jan 1;53(1):265

Sudden death during ambulatory monitoring. Analysis of six cases. Clark MB, et al. **Am J Med** 1983 Nov;75(5):801–6

Isoflurane anaesthesia for a patient with long Q–T syndrome. Carlock FJ, et al. **Can Anaesth Soc J** 1984 Jan;31(1):83–5

The relationships among ventricular arrhythmias, left ventricular dysfunction, and mortality in the 2 years after myocardial infarction. Bigger JT Jr, et al. **Circulation** 1984 Feb;69(2):250–8

Cardiac arrhythmias following acute myocardial infarction: associations with the serum potassium level and prior diuretic therapy. Cooper WD, et al. **Eur Heart J** 1984 Jun; 5(6):464–9

Electrophysiological prediction of arrhythmogenic sudden death [letter] Fontaine G. **Eur Heart J** 1983 Sep;4(9):674

Periodic paralysis with cardiac arrhythmia. Yoshimura T, et al. **Eur J Pediatr** 1983 Sep;140(4):338–43

Ambulatory electrocardiographic monitoring in patients with transient focal cerebral ischaemia. Francis DA, et al. **J Neurol Neurosurg Psychiatry** 1984 Mar;47(3):256–9

Arrhythmias and sinus node dysfunction [letter] Spodick DH. **JAMA** 1984 May 18;251(19):2513–4

Peroneal muscular atrophy associated with cardiac conducting tissue disease: further observations. Lowry PJ, et al. **Postgrad Med J** 1983 Aug;59(694):530–2

Mild hypokalaemia does appear to be associated with cardiac arrhythmias. Vandenburg MJ, et al. **Practitioner** 1984 Sep; 228(1395):777–9

Mitral valve prolapse complicated by acute cerebral embolism, arrhythmias and painless myocardial infarction. A case presentation and overview. Przybojewski JZ, et al. **S Afr Med J** 1984 Mar 10;65(10):390–6

[Sudden death in congenital heart disease] Ilia R, et al. **Harefuah** 1983 Jan 2;104(1):11–2 (Eng. Abstr.) **(Heb)**

[Cardiac arrhythmias associated with subarachnoid hemorrhage. Prospective study with dynamic electrocardiography] Di Pasquale G, et al. **G Ital Cardiol** 1984 May;14(5):323–9 (Eng. Abstr.) **(Ita)**

[Changes in the cardiovascular system in the Ehlers–Danlos syndrome] Ternova TI, et al. **Vestn Akad Med Nauk SSSR** 1984;(2):65–8 (Eng. Abstr.) **(Rus)**

[Various pathogenetic mechanisms of ischemic stroke in cardiac rhythm disorders] Aristova RA, et al. **Zh Nevropatol Psikhiatr** 1983;83(9):1286–91 (Eng. Abstr.) **(Rus)**

[Changes in the heart in the hyperviscosity syndrome in newborn infants] Batančev B, et al. **Lijec Vjesn** 1983 Jun; 105(6):235–8 (Eng. Abstr.) **(Scr)**

CONGENITAL

The electrocardiogram of fetal and newborn rats and dysrhythmias induced by toxic exposure. Grabowski CT. **Prog Clin Biol Res** 1983;140:185–206 (22 ref.)

[Supraventricular arrhythmia in newborn infants and interatrial septal aneurysm] Pernot C, et al. **Arch Fr Pediatr** 1984 Jan;41(1):21–5 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

The jugular and hepatic tracings in normal subjects and in conduction defects. Luisada AA, et al. **Acta Cardiol (Brux)** 1983;38(5):405–24

Is ambulatory electrocardiography a useful investigation in elderly people with 'funny turns'? Taylor IC, et al. **Age Ageing** 1983 Aug;12(3):211–6

Ambulatory ECG–respiration monitoring system [letter] Otsuka K, et al. **Am Heart J** 1983 Nov;106(5 Pt 1):1173–6

Arrhythmias and QT interval in athletes [letter] Palatini P, et al. **Am Heart J** 1984 Mar;107(3):608–9

Cardiac rhythm and conduction before and after anatomic correction of transposition of the great arteries. Arensman FW, et al. **Am J Cardiol** 1983 Oct 1;52(7):836–9

Results of a ventricular stimulation protocol using a maximum of 4 premature stimuli in patients without documented or suspected ventricular arrhythmias. Brugada P, et al. **Am J Cardiol** 1983 Dec 1;52(10):1214–8

Changes in ventricular refractoriness after an extrastimulus: effects of prematurity, cycle length and procainamide. Cain ME, et al. **Am J Cardiol** 1983 Nov 1;52(8):996–1001

Programmed ventricular stimulation in mitral valve prolapse: analysis of 36 patients. Morady F, et al. **Am J Cardiol** 1984 Jan 1;53(1):135–8

Unusual features of arrhythmogenic right ventricular dysplasia. Morady F, et al. **Am J Cardiol** 1984 Feb 1; 53(4):639–40

Twenty–four–hour continuous electrocardiography during exercise and free activity in 80 apparently healthy runners. Pilcher GF, et al. **Am J Cardiol** 1983 Oct 1;52(7):859–61

Temporary epicardial wire electrodes in the diagnosis and treatment of arrhythmias after open heart surgery. Waldo AL, et al. **Am J Surg** 1984 Aug;148(2):275–83

24–Hour electrocardiographic recordings in mild acute infectious myocarditis. Karjalainen J, et al. **Ann Clin Res** 1984;16(1):34–9

Ventricular fibrillation masquerading as asystole. Ewy GA. **Ann Emerg Med** 1984 Sep;13(9 Pt 2):811–2

Cardiac ultrasound of the fetus [editorial] Allan LD. **Arch Dis Child** 1984 Jul;59(7):603–4

Clinical application of diagnostic and interventional electrophysiology. Huang SK, et al. **Ariz Med** 1984 May; 41(5):304–13

Cardiac arrhythmias. Diagnosis and treatment. Radford D, et al. **Aust Fam Physician** 1984 May;13(5):331–4

Intra–aortic balloon ECG artefact. Adams PC, et al. **Aust NZ J Med** 1984 Feb;14(1):45–6

Pseudo–atrial dissociation documented by intracardiac mapping of both atria. Di Biase M, et al. **Boll Soc Ital Cardiol** 1982;27(6):537–42

Evaluation of fetal arrhythmias by echocardiography. Allan LD, et al. **Br Heart J** 1983 Sep;50(3):240–5

Electrocardiographic analysis of normal and abnormal pacemaker function. Barold SS, et al. **Cardiovasc Clin** 1983; 14(2):97–134 (105 ref.)

Indications for pacemaker therapy based on electrophysiologic testing. Greenspon AJ, et al. **Cardiovasc Clin** 1983;14(2):13–29 (70 ref.)

Electrophysiologic testing in the diagnosis and management of cardiac arrhythmias. Ezri MD. **Chest** 1983 Oct; 84(4):481–91

Aortic valve replacement in patients with aortic stenosis. Effect on cardiac arrhythmias. Kostis JE, et al. **Chest** 1984 Feb;85(2):211–4

Significance of ventricular arrhythmias initiated by programmed ventricular stimulation: the importance of the type of ventricular arrhythmia induced and the number of premature stimuli required. Brugada P, et al. **Circulation** 1984 Jan;69(1):87–92

Recording of diastolic slope with catheters during junctional rhythm in humans. Hariman RJ, et al. **Circulation** 1984 Mar; 69(3):485–91

Fluctuations of the atrial cycle length and A–V delay with a universal (DDD) pacemaker. Bognolo D, et al. **Clin Cardiol** 1984 Jul;7(7):418–21

Transtelephonic monitoring in pediatric patients with clinically suspected arrhythmias. Fyfe DA, et al. **Clin Pediatr (Phila)** 1984 Mar;23(3):139–43

Computer based two–dimensional spectral estimation for the detection of prearrhythmic states after hypothermic myocardial preservation. Nikias CL, et al. **Comput Biol Med** 1984;14(2):159–78

A computerized system for localizing sources of cardiac activation. Salu Y, et al. **Comput Biomed Res** 1984 Jun; 17(3):222–8

Multiattribute decision analysis of clinical errors: a case study of computerized arrhythmia detectors. Shipp GW, et al. **Comput Biomed Res** 1984 Apr;17(2):116–28

A simple esophageal electrode for use in infants and children [letter] Mulroy JJ Jr, et al. **Crit Care Med** 1984 May; 12(5):474–5

Incidence and prognostic significance of ventricular arrhythmias in individuals without detectable heart disease. Bethge KP, et al. **Eur Heart J** 1983 May;4(5):338–46

Ventricular ectopic activity and its relevance to aircrew licensing. Campbell RW. **Eur Heart J** 1984 Mar;5 Suppl A:95–8 (28 ref.)

The importance of minor abnormalities in the resting electrocardiogram. Hampton JR. **Eur Heart J** 1984 Mar; 5 Suppl A:61–3 (9 ref.)

Exercise–induced arrhythmias: angiographic correlation and follow–up. Greco R, et al. **G Ital Cardiol** 1984 May; 14(5):317–22

Sudden cardiac death: an approach to management. Webb CR, et al. **Geriatrics** 1984 Apr;39(4):49–52, 57–8, 60–1

Pseudoarrhythmia caused by oxygen administration. Newberg LA. **Heart Lung** 1984 May;13(3):287–9

A nursing perspective of the invasive electrophysiologic approach to treatment of ventricular arrhythmias. Tyndall A. **Heart Lung** 1983 Nov;12(6):620–9

Hypertension detection and follow–up program. Baseline electrocardiographic characteristics of the hypertensive participants. Prineas RJ, et al. **Hypertension** 1983 Nov–Dec; 5(6 Pt 2):IV160–89

EKG of the month. A difficult cardiac arrhythmia. IMJ 1983 Aug;164(2):87, 92

Abbreviated rapid onset stress testing for exposure of ventricular arrhythmias in post-hospital phase of myocardial infarction. Manoria PC, et al. **Indian Heart J** 1983 Nov-Dec;35(6):317-9

Analysis of PR subintervals in normal subjects and early studies in patients with abnormalities of the conduction system using surface His bundle recordings. Flowers NC, et al. **J Am Coll Cardiol** 1983 Nov;2(5):939-46

Sudden death in hospitalized patients: cardiac rhythm disturbances detected by ambulatory electrocardiographic monitoring. Panidis IP, et al. **J Am Coll Cardiol** 1983 Nov; 2(5):798-805

Analysis of ambulatory electrocardiograms in 15 patients during spontaneous ventricular fibrillation with special reference to preceding arrhythmic events. Pratt CM, et al. **J Am Coll Cardiol** 1983 Nov;2(5):789-97

Reliability of sampling during long-term ECG recordings in the detection of ventricular ectopy and abnormal ST segment depression. Crow RS, et al. **J Chronic Dis** 1984; 37(4):231-42

Detection of cardiac dysrhythmias by continuous electrocardiographic recording in children undergoing cardiac surgery. Ringel RE, et al. **J Electrocardiol** 1984 Jan;17(1):1-6

EKG of the MONTH: Endangering ST-ecies. Martinez-Lopez JI. **J La State Med Soc** 1984 Apr; 136(4):59-61

Kiss of death. Martinez-Lopez JI. **J La State Med Soc** 1984 Jul;136(7):28-32

EKG of the month. Frequent, non-conducted atrial premature impulses. Martinez-Lopez JI. **J La State Med Soc** 1983 Nov;135(11):25, 27-8

Accelerated ventricular rhythm in the newborn infant. Bisset GS 3d, et al. **J Pediatr** 1984 Feb;104(2):247-9

EKG of the month. Artifacts. Campbell WB. **J Tenn Med Assoc** 1984 May;77(5):284-5

EKG of the month. Campbell WB. **J Tenn Med Assoc** 1983 Jul;76(7):460-1

Cardiac problems in pregnancy. II. Fetal aspects: advances in intrauterine diagnosis and therapy. Gleicher N, et al. **JAMA** 1984 Jul 6;252(1):78-80

Ventricular ectopy. History, epidemiology, and clinical implications. Horan MJ, et al. **JAMA** 1984 Jan 20; 251(3):380-6

Electrocardiographic findings in experimental murine myocarditis--arrhythmias in the chronic stage. Kishimoto C, et al. **Jpn Circ J** 1983 Nov;47(11):1317-21

Computer interpretation of the electrocardiogram--extracting the digits. Knight C. **Life Support Syst** 1983 Apr-Jun;1(2):77-8

Delineation of the QRS complex using the envelope of the e.c.g. Nygårds ME, et al. **Med Biol Eng Comput** 1983 Sep; 21(5):538-47

Method for mapping cardiac arrhythmia in real time using microprocessor-based systems. Ruiz R, et al. **Med Biol Eng Comput** 1984 Mar;22(2):160-7

Design, implementation and evaluation of a microcomputer-based portable arrhythmia monitor. Thakor NV, et al. **Med Biol Eng Comput** 1984 Mar; 22(2):151-9

Dysrhythmia detection in myocardial revascularization surgery patients. Dolatowski RP, et al. **Med Sci Sports Exerc** 1983;15(4):281-6

Predictability of sudden cardiac death. A partially fulfilled promise. Lesch M, et al. **N Engl J Med** 1984 Jan 26; 310(4):255-7

Electrocardiographic changes with electrocardiac disorders [letter] Spodick DH. **N Engl J Med** 1984 Oct 4;311(14):922

Prolonged Q-T interval syndrome presenting as idiopathic epilepsy. Pignata C, et al. **Neuropediatrics** 1983 Nov; 14(4):235-6

Early identification of patients who may require electrical control treatment. Moss AJ. **PACE** 1984 May;7(3 Pt 2):493-8

Diagnostic assessment of recurrent syncope. Sharma AD, et al. **PACE** 1984 Jul;7(4):749-59

Pseudo-QT prolongation, artifactual electrocardiographic patterns produced by transduction of cardiovascular motion. Stewart WJ, et al. **PACE** 1983 Sep;6(5 Pt 1):940-8

Pseudo-atrial dissociation caused by inadequate electrocardiographic tape erasure. Wenger TL, et al. **PACE** 1978 Oct;1(4):547-8

Significance of QRS transition zone to the right on the chest in cases with short P-R interval. Mihaela T, et al. **Physiologie** 1984 Apr-Jun;21(2):89-92

Cardiac electrophysiologic study. What it is and who may benefit. Vacek JL. **Postgrad Med** 1984 Jun;75(8):128, 130-1

Diagnosis and management of cardiac arrhythmias in the postoperative period. Davis D. **Surg Clin North Am** 1983 Oct;63(5):1091-102 (22 ref.)

[Application of cardiac pacing in diagnosis] Xu Q. **Chung Hua I Hsueh Tsa Chih** 1983 Apr;63(4):203-6 **(Chi)**

[Diagnosis of dual A-V node pathways] Bytelník J, et al. **Vnitr Lek** 1984 May;30(5):426-33 (Eng. Abstr.) **(Cze)**

[Long-term registration of ECG in hospitalized geriatric patients] Ingerslev J. **Ugeskr Laeger** 1983 Sep 19; 145(38):2920-3 (Eng. Abstr.) **(Dan)**

[Long-term registration of ECG] Ingerslev J. **Ugeskr Laeger** 1983 Sep 19;145(38):2917-20 (Eng. Abstr.) **(Dan)**

[Holter monitoring] Møller M. **Ugeskr Laeger** 1983 Sep 19; 145(38):2913-7 (Eng. Abstr.) **(Dan)**

[ECG registration via telephone in the diagnosis of arrhythmia; a comparison with continuous ambulatory electrocardiography] Visser J, et al. **Ned Tijdschr Geneeskd** 1984 Mar 3;128(9):397-401 (Eng. Abstr.) **(Dut)**

[An aid in the diagnosis of cardiac rhythm disorders in anesthesia and intensive care] Eledjam JJ, et al. **Ann Fr Anesth Reanim** 1984;3(1):61-2 (Eng. Abstr.) **(Fre)**

[Long-duration electrocardiographic recording in 33 patients with obstructive cardiomyopathy] Baille N, et al. **Arch Mal Coeur** 1984 Jul;77(7):730-7 (Eng. Abstr.) **(Fre)**

[Retrospective analysis of a series of 330 Holter recordings. Diagnostic value of the method and correlation with symptomology] Fillette F, et al. **Arch Mal Coeur** 1983 Jun; 76(6):687-94 (Eng. Abstr.) **(Fre)**

[Role of the TRF test in the study of atrial dysrhythmia] Chamontin B, et al. **Rev Med Interne** 1983 Sep;4(3):279-83 (Eng. Abstr.) **(Fre)**

[Diagnosis of syncopes in suspected arrhythmias] Weber H, et al. **Acta Med Austriaca** 1984;11(3-4):91-100 (65 ref.) (Eng. Abstr.) **(Ger)**

[Detection of patients at risk for sudden heart death by long-term ECG. The role of life-threatening ventricular arrhythmias] Hombach V, et al. **Herz** 1984 Feb;9(1):6-25 (Eng. Abstr.) **(Ger)**

[Repetitive ventricular response by programmed electrostimulation of the heart: frequency and clinical significance] Meinertz T, et al. **Herz** 1984 Feb;9(1):34-44 (Eng. Abstr.) **(Ger)**

[Programmed stimulation in patients with malignant ventricular arrhythmias. I: Diagnostic value] Senges J, et al. **Herz** 1984 Feb;9(1):45-51 (Eng. Abstr.) **(Ger)**

[Prognostic significance of noninvasively detected ventricular late potentials] von Leitner ER. **Herz** 1984 Feb; 9(1):26-33 (Eng. Abstr.) **(Ger)**

[Torsades de pointes and ventricular flutter] Hust MH, et al. **Internist (Berlin)** 1984 Jan;25(1):68-71 **(Ger)**

[Value of ECG-telephone transmission in determining symptomatic heart-rhythm disorders] Weber H, et al. **Klin Wochenschr** 1984 Jul 16;62(14):689-97 (Eng. Abstr.) **(Ger)**

[Long-term electrocardiography for the qualitative and quantitative detection of cardiac arrhythmias in clinical conditions] Schöttler M, et al. **Lebensversicherungsmedizin** 1984 Jan 1;36(1):6-11 (Eng. Abstr.) **(Ger)**

[Expert evaluation in official medical care of cardiac arrhythmias] Morr T. **Off Gesundheitswes** 1983 Sep; 45(9):459-61 **(Ger)**

[Electrophysiologic brain stem diagnosis. Respiratory cardiac arrhythmia--diagnostic possibilities of a brain stem reflex] Rabending G, et al. **Psychiatr Neurol Med Psychol Beih** 1983;29:57-64 **(Ger)**

[Spontaneous rhythms of the cardiovascular system in autonomic diabetic neuropathy] Aisch W, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1984 Jan;36(1):26-31 (Eng. Abstr.) **(Ger)**

[Fetal arrhythmia] Wernicke K, et al. **Z Geburtshilfe Perinatol** 1984 May-Jun;188(3):105-14 (Eng. Abstr.) **(Ger)**

[The frequency variation--a parameter in the evaluation of heart rhythm] Heidrich L, et al. **Z Gesamte Inn Med** 1984 Feb 1;39(3):46-8 (Eng. Abstr.) **(Ger)**

[Non-invasive methods in the diagnosis of latent heart rhythm disorders] Sadc /ski Z, et al. **Z Gesamte Inn Med** 1983 Jul 1;38(13):99-103 (Eng. Abstr.) **(Ger)**

[Preliminary diagnosis of heart rhythm disorders using transesophageal electrostimulation] Volkmann H, et al. **Z Gesamte Inn Med** 1983 Jul 1;38(13):108-11 (Eng. Abstr.) **(Ger)**

[Computer assisted determination of left-ventricular contraction abnormalities using two-dimensional echocardiography. I. Analysis various study methods and determination of normal values] Grube E, et al. **Z Kardiol** 1984 Jan;73(1):41-51 (Eng. Abstr.) **(Ger)**

[Prognostic significance of ventricular arrhythmias in coronary patients] Weidelt J. **Z Kardiol** 1983 Dec; 72(12):701-10 (Eng. Abstr.) **(Ger)**

[Cardiotocography--general practice. Case 3] Heinrich J. **Zentralbl Gynakol** 1984;106(2):136-7 **(Ger)**

[The prognostic value of the electrocardiogram after acute myocardial infarction] Kwint I, et al. **Harefuah** 1983 Feb 1;104(3):83-5 (Eng. Abstr.) **(Heb)**

[The contribution of vectorcardiography to the diagnosis of delta waves of various etiologies] Naschtiz JE, et al. **Harefuah** 1983 Apr 15;104(8):348-52 **(Heb)**

[Localization of atrial electrical activity by a phonomechanographic method] Gelléri D. **Orv Hetil** 1983 Nov 20;124(47):2857-60 (Eng. Abstr.) **(Hun)**

[Evaluation of the dependability of a monitoring system for arrhythmias] Bosi S, et al. **Boll Soc Ital Cardiol** 1982; 27(7):691-6 **(Ita)**

[Dynamic electrocardiography in pediatric cardiology (apropos of 560 recordings)] Iarussi D, et al. **Boll Soc Ital Cardiol** 1983 Apr;28(4):343-51 (Eng. Abstr.) **(Ita)**

[Relation between ventricular arrhythmias and left ventricular function in ischemic cardiopathy] Vado A, et al. **Boll Soc Ital Cardiol** 1983 Jul;28(7):581-9 (Eng. Abstr.) **(Ita)**

[Evaluation of the diastolic phase of the left ventricle, using the apex cardiogram, in patients with thalassemia major] Roncon L, et al. **G Clin Med** 1983 Nov;64(11):420-7 (Eng. Abstr.) **(Ita)**

[A new system for dynamic electrocardiography. First clinical trial] Bongiorni MG, et al. **G Ital Cardiol** 1983 Oct; 13(10):226-34 (Eng. Abstr.) **(Ita)**

[Dynamic electrocardiography] Romei E, et al. **Recenti Prog Med** 1983 Oct;74(10):1144-58 (Eng. Abstr.) **(Ita)**

[Significance of exercise tests as provocative or diagnostic interventions in arrhythmias] Yokawa S, et al. **Nippon Naika Gakkai Zasshi** 1983 Aug;72(8):1006-12 **(Jpn)**

[Changes in the blood pressure and electrocardiogram in healthy subjects with recumbent arrhythmias during a cold pressor test] Ikeda H. **Rinsho Byori** 1983 Oct;31(10):1145-8 **(Jpn)**

[Double spontaneous ventricular parasystole in patients with Chagas' cardiopathy. Report of a case] Faria CA, et al. **Arq Bras Cardiol** 1983 Nov;41(5):385-8 (Eng. Abstr.) **(Por)**

[Maternal cardiac arrhythmias during labor and delivery] Ovando LA, et al. **Arq Bras Cardiol** 1983 Mar;40(3):171-6 (Eng. Abstr.) **(Por)**

[Differential diagnosis of linked parasystole and extrasystole] Kovaleva LI, et al. **Kardiologiia** 1984 Jan;24(1):51-7 (Eng. Abstr.) **(Rus)**

[Portable cardiac monitors in the diagnosis and treatment of cardiac arrhythmias: various results and prospects] Syrkin AL. **Kardiologiia** 1984 May;24(5):10-2 **(Rus)**

[Detection of arrhythmias in patients with ischemic heart disease using different methods of prolonged ECG recording on a magnetic tape] Zhivoderov VM, et al. **Kardiologiia** 1983 Nov;23(11):36-40 (Eng. Abstr.) **(Rus)**

[Electrocardiographic changes in patients with lung cancer after surgical and combined treatment] Kharchenko VP, et al. **Sov Med** 1983;(12):18-22 (Eng. Abstr.) **(Rus)**

[Various features of the diagnosis and treatment of cardiac arrhythmias during long-term heart rate monitoring] Kukes VG, et al. **Sov Med** 1983;(10):79-82 **(Rus)**

[Phenomenon of premature ventricular repolarization] Skorobogatyĭ AM. **Vrach Delo** 1983 Sep;(9):43-6 (Eng. Abstr.) **(Rus)**

[Ophthalmoplegia-plus (multisystem mitochondrial cytopathy) in childhood] Aver'ianov IuN, et al. **Zh Nevropatol Psikhiatr** 1983;83(11):1624-8 (Eng. Abstr.) **(Rus)**

[QT anomalies, their significance and incidence in cardiovascular and other diseases] Topalov V, et al. **Med Pregl** 1983;36(5-6):233-7 (Eng. Abstr.) **(Scr)**

[Continuous Holter electrocardiogram in children. Analysis of 100 traces] Ardura J, et al. **An Esp Pediatr** 1983 Aug; 19(2):88-99 (Eng. Abstr.) **(Spa)**

[Ambulatory dynamic Holter type electrocardiography] Férez S, et al. **Arch Inst Cardiol Mex** 1984 Mar-Apr; 54(2):199-211 (92 ref.) **(Spa)**

[Usefulness of ambulatory cardiac monitoring by the Holter method] García-Cosio Mir F. **Med Clin (Barc)** 1983 Nov 19;81(16):732-5 **(Spa)**

[Prolonged QT interval syndrome] Montes-Jovellar J, et al. **Rev Clin Esp** 1983 Jun 15-30;169(5-6):321-4 (Eng. Abstr.) **(Spa)**

[Dynamic, ambulatory (Holter) electrocardiography monitoring in the diagnostic study of patients with neurologic manifestations] Assad Morell JL, et al. **Rev Invest Clin** 1983 Oct-Dec;35(4):279-84 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Arrhythmias and antiarrhythmic drugs. Urthaler F. **Ala J Med Sci** 1984 Jul;21(3):275-83

Practical considerations in the treatment of ventricular arrhythmias with mexiletine. Akhtar M. **Am Heart J** 1984 May;107(5 Pt 2):1086-90 (21 ref.)

Replacement of amiodarone by sotalol for repetitive ventricular premature beats. Burckhardt D, et al. **Am Heart J** 1984 Jan;107(1):167-8

Effects of intravenous nitroglycerin on ventricular ectopic beats in acute myocardial infarction. Bussmann WD, et al. **Am Heart J** 1984 May;107(5 Pt 1):940-4

Efficacy of amiodarone during long-term treatment of malignant ventricular arrhythmias in patients with chronic chagasic myocarditis. Chiale PA, et al. **Am Heart J** 1984 Apr;107(4):656-65

Effect of propafenone in patients with stable ventricular arrhythmias. de Soyza N, et al. **Am Heart J** 1984 Aug; 108(2):285-9

Mexiletine for recurring ventricular arrhythmias: assessment by long-term electrocardiographic recordings and sequential electrophysiologic studies. Flaker GC, et al. **Am Heart J** 1984 Sep;108(3 Pt 1):490-5

Suppression of high-grade ventricular ectopic activity by antiarrhythmic drug treatment as a marker for survival in patients with chronic coronary artery disease. Hoffmann A, et al. **Am Heart J** 1984 Jun;107(6):1103-8

Long-term clinical experience with mexiletine. Johansson BW, et al. **Am Heart J** 1984 May;107(5 Pt 2):1099-102

Efficacy of amiodarone during long-term treatment of potentially dangerous ventricular arrhythmias in patients

with chronic stable ischemic heart disease. Kaski JC, et al. **Am Heart J** 1984 Apr;107(4):648–55

Effects of acetyl-strophanthidin on left ventricular function and ventricular arrhythmias. Podrid P, et al. **Am Heart J** 1984 May;107(5 Pt 1):882–7

Oral mexiletine in the treatment of refractory ventricular arrhythmias: the role of electrophysiologic techniques. Schoenfeld MH, et al. **Am Heart J** 1984 May;107(5 Pt 2):1071–8 (37 ref.)

Fasting hypoglycemia associated with disopyramide. Semel JD, et al. **Am Heart J** 1983 Nov;106(5 Pt 1):1160–1

Long-term mexiletine for ventricular arrhythmia. Stein J, et al. **Am Heart J** 1984 May;107(5 Pt 2):1091–8

Ventricular arrhythmias: mechanisms and actions of antiarrhythmic drugs. Wellens HJ, et al. **Am Heart J** 1984 May;107(5 Pt 2):1053–7

Multicenter controlled observation of a low-dose regimen of amiodarone for treatment of severe ventricular arrhythmias. Collaborative Group for Amiodarone Evaluation. **Am J Cardiol** 1984 Jun 1;53(11):1564–9

Clinical efficacy and electrophysiologic effects of intravenous and oral encainide in patients with accessory atrioventricular pathways and supraventricular arrhythmias. Abdollah H, et al. **Am J Cardiol** 1984 Sep 1;54(6):544–9

A proposal for the clinical use of flecainide. Anderson JL, et al. **Am J Cardiol** 1984 Feb 27;53(5):112B–119B (37 ref.)

Perspectives on the current treatment of cardiac arrhythmias. Bigger JT Jr. **Am J Cardiol** 1984 Aug 13;54(4):2B–7B

Definition of benign versus malignant ventricular arrhythmias: targets for treatment. Bigger JT Jr. **Am J Cardiol** 1983 Sep 22;52(6):47C–54C

Effects of timolol and propranolol on inducible sustained ventricular tachyarrhythmias in dogs with subacute myocardial infarction. Gang ES, et al. **Am J Cardiol** 1984 Jan 15;53(2):275–81

Electrophysiologic effects of flecainide acetate on sinus node function, anomalous atrioventricular connections, and pacemaker thresholds. Hellestrand KJ, et al. **Am J Cardiol** 1984 Feb 27;53(5):30B–38B

Flecainide versus quinidine: results of a multicenter trial. Hodges M, et al. **Am J Cardiol** 1984 Feb 27;53(5):66B–71B

A double-blind, crossover comparison of flecainide acetate and disopyramide phosphate in the treatment of ventricular premature complexes. Kjekshus J, et al. **Am J Cardiol** 1984 Feb 27;53(5):72B–78B

Rationale of therapy in the patient with acute myocardial infarction and life-threatening arrhythmias: a focus on bretylium. Lucchesi BR. **Am J Cardiol** 1984 Jul 30; 54(2):14A–19A (68 ref.)

Long-term antiarrhythmic therapy with flecainide. Meinertz T, et al. **Am J Cardiol** 1984 Jul 1;54(1):91–6

Management of malignant ventricular arrhythmia—experience with lorcainide. Podrid PJ, et al. **Am J Cardiol** 1984 Aug 13;54(4):29B–36B

Role of electrophysiologic techniques in the selection of antiarrhythmic drug regimens for ventricular arrhythmias. Ruskin JN, et al. **Am J Cardiol** 1983 Sep 22;52(6):41C–46C (65 ref.)

A controlled trial of propafenone for treatment of frequent and repetitive ventricular premature complexes. Salerno DM, et al. **Am J Cardiol** 1984 Jan 1;53(1):77–83

Efficacy of mexiletine in chronic ventricular arrhythmias compared with quinidine: a single-blind, randomized trial. Singh JB, et al. **Am J Cardiol** 1984 Jan 1;53(1):84–7

Effect of moricizine hydrochloride in reducing chronic high-frequency ventricular arrhythmia: results of a prospective, controlled trial. Singh SN, et al. **Am J Cardiol** 1984 Mar 1;53(6):745–50

Lorcainide for high-frequency ventricular arrhythmia: preliminary results of a short-term double-blind and placebo-controlled crossover study and long-term follow-up. Singh SN, et al. **Am J Cardiol** 1984 Aug 13; 54(4):22B–28B

Flecainide toxicity. Spivack C, et al. **Am J Cardiol** 1984 Jan 15;53(2):329–30

Effects of oral mexiletine on left and right ventricular function. Stein J, et al. **Am J Cardiol** 1984 Sep 1;54(6):575–8

Pharmacodynamics of the initiation of antiarrhythmic therapy with lorcainide. Winkle RA, et al. **Am J Cardiol** 1984 Feb 1;53(4):544–51

Flecainide dose-response relations in stable ventricular arrhythmias. Woosley RL, et al. **Am J Cardiol** 1984 Feb 27;53(5):59B–65B

Use of procainamide in chronic ambulatory peritoneal dialysis: report of a case. Kroboth PD, et al. **Am J Kidney Dis** 1984 Jul;4(1):78–9

Beta-blocking drugs for arrhythmias, hypertension, and ischemic heart disease. Johns VJ. **Am J Surg** 1984 Jun; 147(6):725–30 (61 ref.)

Verapamil treatment of intractable ventricular arrhythmias after cardiopulmonary bypass. Kapur PA, et al. **Anesth Analg** 1984 Apr;63(4):460–3

Verapamil therapy in the treatment of supraventricular arrhythmias following open heart surgery. Waldo AL, et al. **Angiology** 1983 Dec;34(12):755–63

High-dose corticosteroids in the treatment of pulseless idioventricular rhythm. Carden DL. **Ann Emerg Med** 1984 Sep;13(9 Pt 2):817–9

Verapamil in the treatment of asystolic and pulseless idioventricular rhythm cardiopulmonary arrests: a preliminary report. Martin GB, et al. **Ann Emerg Med** 1984 Apr;13(4):221–5

Use of calcium blockers in electromechanical dissociation. Martin GB. **Ann Emerg Med** 1984 Sep;13(9 Pt 2):846–8

Calcium chloride: reassessment of use in asystole. Stueven HA, et al. **Ann Emerg Med** 1984 Sep;13(9 Pt 2):820–2

Atropine in asystole: human studies. Stueven HA, et al. **Ann Emerg Med** 1984 Sep;13(9 Pt 2):815–7

Steady-state serum amiodarone concentrations: relationships with antiarrhythmic efficacy and toxicity. Rotmensch HH, et al. **Ann Intern Med** 1984 Oct;101(4):462–9

Clinical aspects of life-threatening arrhythmias. **Ann NY Acad Sci** 1984;427:1–326

Clinical pharmacology of amiodarone. Marcus FI. **Ann NY Acad Sci** 1984;427:112–26 (40 ref.)

Clinical and chemical assessment of thyroid function during therapy with amiodarone. Amico JA, et al. **Arch Intern Med** 1984 Mar;144(3):487–90

Ventricular preexcitation [letter] Hasegawa GR. **Arch Intern Med** 1983 Nov;143(11):2215, 2218

Long-term follow-up of patients receiving aprindine. Safety and efficacy. Strasberg B, et al. **Arch Intern Med** 1983 Nov; 143(11):2131–3

Fluoroacetamide poisoning in man: the role of ionized calcium. Taitelman U, et al. **Arch Toxicol [Suppl]** 1983; 6:228–31

Pharmacokinetics and the antiarrhythmic effect of mexiletine in patients with chronic ventricular arrhythmias. Ohashi K, et al. **Arzneimittelforsch** 1984;34(4):503–7

Amiodarone therapy for life threatening or refractory cardiac arrhythmias. Johns JA, et al. **Aust NZ J Med** 1983 Jun; 13(3):248–56

Clinical evaluation of the efficacy of oral amiodarone [editorial] McKenna WJ, et al. **Br Heart J** 1984 Mar; 51(3):241–2

Use of sodium bicarbonate to treat tricyclic antidepressant-induced arrhythmias in a patient with alkalosis. Molloy DW, et al. **Can Med Assoc J** 1984 Jun 1;130(11):1457–9

Functional significance of chronotropic response during chronic amiodarone therapy. Rod JL, et al. **Cardiology** 1984;71(1):40–7

Oral flecainide for suppression of ventricular arrhythmias. Vanhaleweyk G, et al. **Cardiology** 1984;71(1):30–9

The clinical pharmacology of antiarrhythmic drugs. Adams PC, et al. **Cardiovasc Clin** 1984;14(3):153–90

Clinical pharmacology of calcium entry blockers. Bianchi CP. **Cardiovasc Clin** 1983;14(1):123–8 (16 ref.)

Management of serious cardiac arrhythmias with drugs. Echt DS, et al. **Cardiovasc Clin** 1984;14(3):191–209

Amiodarone–digoxin interaction. Clinical and experimental observations. Oetgen WJ, et al. **Chest** 1984 Jul;86(1):75–9

Comparison of lorcainide and quinidine in the treatment of ventricular ectopy. Vlay SC, et al. **Chest** 1984 Jul; 86(1):80–3

Reduction of ischemic depolarization by the calcium channel blocker diltiazem. Correlation with improvement of ventricular conduction and early arrhythmias in the dog. Clusin WT, et al. **Circ Res** 1984 Jan;54(1):10–20

Ventricular arrhythmias during the first year after acute myocardial infarction: influence of long-term treatment with metoprolol. Olsson G, et al. **Circulation** 1984 Jun; 69(6):1129–34

Comparative effect of disopyramide and ethmozine in suppressing complex ventricular arrhythmias by use of a double-blind, placebo-controlled, longitudinal crossover design. Pratt CM, et al. **Circulation** 1984 Feb;69(2):288–97

Cibenzoline plasma concentration and antiarrhythmic effect. Brazzell RK, et al. **Clin Pharmacol Ther** 1984 Mar; 35(3):307–16

Mexiletine in refractory ventricular arrhythmias. Fenster PE, et al. **Clin Pharmacol Ther** 1983 Dec;34(6):777–84

Dose-ranging studies of clofilium, an antiarrhythmic quaternary ammonium. Platia EV, et al. **Clin Pharmacol Ther** 1984 Feb;35(2):193–202

Intravenous disopyramide: safety and efficacy of a new dosage regimen. Reddy CP, et al. **Clin Pharmacol Ther** 1984 May;35(5):610–6

Serum disopyramide concentrations and suppression of ventricular premature contractions. Ueda CT, et al. **Clin Pharmacol Ther** 1984 Sep;36(3):326–36

Current understanding of lidocaine as an antiarrhythmic agent: a review. Anderson JL. **Clin Ther** 1984;6(2):125–41 (71 ref.)

Lorcainide. A preliminary review of its pharmacodynamic properties and therapeutic efficacy. Eiriksson Ce, et al. **Drugs** 1984 Apr;27(4):279–300 (60 ref.)

Electrophysiological effects of prenalterol on the cardiac conduction system. Dahlström U, et al. **Eur Heart J** 1983 Oct;4(10):728–32

Electrophysiological effects of ethmozin on sinus nodal function in patients with and without sinus node dysfunction. Rakovec P, et al. **Eur Heart J** 1984 Mar; 5(3):243–6

A study to compare the efficacy, plasma concentration profile and tolerability of conventional mexiletine and slow-release mexiletine. Upward JW, et al. **Eur Heart J** 1984 Mar; 5(3):247–52

Antiarrhythmic actions of adenosine in the early stages of experimental myocardial ischaemia. Fagbemi O, et al. **Eur J Pharmacol** 1984 Apr 20;100(2):243–4

The effect of aspirin, indomethacin and sodium meclofenamate on coronary artery ligation arrhythmias in anaesthetized rats. Fagbemi SO. **Eur J Pharmacol** 1984 Jan 27;97(3–4):283–7

Multiplicity of arrhythmogenic factors. A plea for combined therapies. Coumel P. **Int J Cardiol** 1983 Nov-Dec; 4(4):477–80

Abolishing advanced grades of ventricular premature beats protects patients with recurring malignant ventricular arrhythmias. Lown B, et al. **Int J Cardiol** 1983 Oct; 4(3):345–50

Antiarrhythmic drugs for the prevention of potentially lethal arrhythmias—assessment of current approaches. Myerburg RJ, et al. **Int J Cardiol** 1983 Oct;4(3):350–6

The use of calcium with verapamil in the management of supraventricular tachyarrhythmias. Weiss AT, et al. **Int J Cardiol** 1983 Oct;4(3):275–84

Amiodarone—application and clinical pharmacology in atrial fibrillation and other arrhythmias. Anastasiou-Nana M, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 May; 22(5):229–35

Clinical efficacy and electrophysiologic effects of cibenzoline therapy in patients with ventricular arrhythmias. Browne KF, et al. **J Am Coll Cardiol** 1984 Mar;3(3):857–64

Toxic and therapeutic effects of amiodarone in the treatment of cardiac arrhythmias. Greene HL, et al. **J Am Coll Cardiol** 1983 Dec;2(6):1114–28

Hemodynamic effects of intravenous amiodarone. Kosinski EJ, et al. **J Am Coll Cardiol** 1984 Sep;4(3):565–70

Cibenzoline for treatment of ventricular arrhythmias: a double-blind placebo-controlled study. Kostis JB, et al. **J Am Coll Cardiol** 1984 Aug;4(2):372–7

Propafenone: a new agent for ventricular arrhythmia. Podrid PJ, et al. **J Am Coll Cardiol** 1984 Jul;4(1):117–25

Effect of amiodarone on conduction and refractoriness of the His-Purkinje system in the human heart. Shenasa M, et al. **J Am Coll Cardiol** 1984 Jul;4(1):105–10

Amiodarone: electrophysiologic actions, pharmacokinetics and clinical effects. Zipes DP, et al. **J Am Coll Cardiol** 1984 Apr;3(4):1059–71 (79 ref.)

In vitro and in vivo antiarrhythmic effects of prazosin in the rat. Miñano FJ, et al. **J Auton Pharmacol** 1984 Jun; 4(2):93–9

The acute antiarrhythmic effects of droxicainide and lidocaine in unanesthetized dogs. Aberg G, et al. **J Cardiovasc Pharmacol** 1984 Mar–Apr;6(2):355–60

The antiarrhythmic activity of meobentine sulfate in man. Duff HJ, et al. **J Cardiovasc Pharmacol** 1984 Jul–Aug; 6(4):650–6

Effective plasma concentrations of aprindine in canine ventricular arrhythmias. Hashimoto K, et al. **J Cardiovasc Pharmacol** 1984 Jan–Feb;6(1):12–9

Antiarrhythmic plasma concentrations of mexiletine on canine ventricular arrhythmias. Hashimoto K, et al. **J Cardiovasc Pharmacol** 1984 Mar–Apr;6(2):213–9

Oral tocainide versus disopyramide: a double-blind, randomized, crossover study of outpatients with stable ventricular premature beats. McLaran CJ, et al. **J Cardiovasc Pharmacol** 1984 Jul–Aug;6(4):657–62

Encainide and its metabolites. Comparative effects in man on ventricular arrhythmia and electrocardiographic intervals. Carey EL Jr, et al. **J Clin Invest** 1984 Feb; 73(2):539–47

Suppression of atrial ectopy with intravenous metoprolol in chronic obstructive pulmonary disease patients. Quan SF, et al. **J Clin Pharmacol** 1983 Aug–Sep;23(8–9):341–7

Ventricular arrhythmias: guidelines for primary care management. Heger JJ. **J Indiana State Med Assoc** 1983 Dec;76(12):819–22

Antagonistic effect of dauricine of experimental arrhythmias. Li GR, et al. **J Tradit Chin Med** 1984 Mar;4(1):25–8

Amiodarone—when and for whom? [editorial] **Lancet** 1983 Nov 12;2(8359):1123–4

The use of amiodarone in children. Coumel P, et al. **PACE** 1983 Sep;6(5 Pt 1):930–9

Role of electrophysiologic testing in the therapy of ventricular arrhythmias. Doherty JU, et al. **PACE** 1983 Sep;6(5 Pt 2):1070–83

Is amiodarone an ideal antiarrhythmic drug? Rosenbaum MB, et al. **PACE** 1984 Mar;7(2):272–5 (26 ref.)

The clinical results of amiodarone in cardiac arrhythmias: optimal dosing. Singh BN, et al. **PACE** 1984 Jan; 7(1):109–24

Reoxygenation dysrhythmias in the isolated guinea-pig heart: sensitivity to prazosin, atenolol and practolol. Antonini G, et al. **Pharmacol Res Commun** 1983 Sep;15(8):751–63

Methods for the detection and assessment of antiarrhythmic activity. Winslow E. **Pharmacol Ther** 1984;24(3):401–33 (195 ref.)

Renal elimination of amiodarone and its desethyl metabolite. Harris L, et al. **Postgrad Med J** 1983 Jul;59(693):440–2

Evaluation of antiarrhythmic activity of prostaglandin F2 alpha in man. Sziegoleit W, et al. **Prostaglandins Leukotrienes Med** 1983 Aug;11(4):457–69

Amiodarone in the treatment of patients with resistant arrhythmias [letter] Millar RN, et al. **S Afr Med J** 1983 Sep 17;64(12):425

Regression analysis applied to PVC histories: a statistical procedure for evaluating antiarrhythmic drug efficacy. Berry DA, et al. **Stat Med** 1983 Jul–Sep;2(3):331–43

Amiodarone pulmonary toxicity. Colgan T, et al. **Ultrastruct Pathol** 1984;6(2–3):199–207

[Treatment of rhythm disorders with falicard in pulmonary resection patients in the early postoperative period]

Georgiev S, et al. **Khirurgiia (Sofiia)** 1983;36(5):423–5 (Eng. Abstr.) **(Bul)**

[Arrest of rhythmic disorders in an outpatient polyclinic] Kokutsov A. **Vutr Boles** 1984;23(2):88–92 (Eng. Abstr.) **(Bul)**

[Clinical observation on 341 patients with arrhythmia treated with amiodarone] Hu ZM. **Chung Hua Nei Ko Tsa Chih** 1983 Nov;22(11):662–6 (Eng. Abstr.) **(Chi)**

[Emergency treatment of arrhythmia] Zhu WL. **Chung Hua Nei Ko Tsa Chih** 1983 Jun;22(6):379–82 **(Chi)**

[Effects of thioproline on experimental arrhythmia] Zhao HP, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Mar;5(1):30–2 (Eng. Abstr.) **(Chi)**

[The effect of dimethyltrilobine iodide on experimental arrhythmia and its electrophysiological action on myocardium] Ming Z, et al. **Yao Hsueh Hsueh Pao** 1984 Jan;19(1):12–5 (Eng. Abstr.) **(Chi)**

[Amiodarone in the treatment of dysrhythmia] Zeman K, et al. **Vnitr Lek** 1984 May;30(5):488–96 (Eng. Abstr.) **(Cze)**

[Effect of intravenous flecainide in the treatment of acute ventricular arrhythmia] Aliot E, et al. **Ann Cardiol Angeiol (Paris)** 1983 Oct;32(6):417–23 **(Fre)**

[Injectable mexiletine and disorders of the auricular rhythm] Richard M, et al. **Ann Cardiol Angeiol (Paris)** 1983 Nov; 32(7):479–83 **(Fre)**

[Electrocardiographic effects and antiarrhythmic action of 1200 mg of oral amiodarone per day] Tonet JL, et al. **Ann Cardiol Angeiol (Paris)** 1984 Jul–Sep;33(5):309–15 (Eng. Abstr.) **(Fre)**

[Flecainide: a new antiarrhythmic agent] Leclercq JF, et al. **Arch Mal Coeur** 1983 Oct;76(10):1218–30 (Eng. Abstr.) **(Fre)**

[Thyroid functional parameters during anti-arrhythmia therapy with amiodarone] Weissel M, et al. **Acta Med Austriaca** 1984;11(3–4):113–7 (Eng. Abstr.) **(Ger)**

[Comparative studies of tocainide and propafenone in the treatment of ventricular arrhythmias] Gebhardt A, et al. **Arzneimittelforsch** 1984;34(3):303–6 (Eng. Abstr.) **(Ger)**

[Long–term drug therapy in ventricular cardiac arrhythmias. Is an improvement of the prognosis possible?] Lüderitz B, et al. **Dtsch Med Wochenschr** 1983 Nov 4;108(44):1663–7 (Eng. Abstr.) **(Ger)**

[Control of anti–arrhythmia therapy with amiodarone. Value of the determination of blood levels] Nitsch J, et al. **Dtsch Med Wochenschr** 1984 Mar 30;109(13):492–5 (Eng. Abstr.) **(Ger)**

[Changes in thyroid function during anti–arrhythmia therapy with amiodaron (letter)] Pickardt CR. **Dtsch Med Wochenschr** 1983 Dec 2;108(48):1856–7 **(Ger)**

[Therapy of arrhythmia during pregnancy] Runge M. **Dtsch Med Wochenschr** 1984 Jun 15;109(24):959–64 (63 ref.) **(Ger)**

[Dangers of and indications for anti–arrhythmia therapy in the aged] Follath F. **Fortschr Med** 1983 Sep 1; 101(33):1460–4 (Eng. Abstr.) **(Ger)**

[Long–term drug therapy of arrhythmias (with special reference to ventricular tachyarrhythmias] Gertsch M. **Schweiz Med Wochenschr** 1984 Jan 21;114(3):77–86 (Eng. Abstr.) **(Ger)**

[Ventricular heart–rhythm disorders – sudden cardiac death: results of long–term drug therapy] Lüderitz B, et al. **Verh Dtsch Ges Herz Kreislaufforsch** 1983;49:209–17 **(Ger)**

[Alternatives to glycoside therapy?] Kubicek F. **Wien Klin Wochenschr** 1983 Sep 16;95(17):607–11 (Eng. Abstr.) **(Ger)**

[Side effects of anti–arrhythmia drugs] Neugebauer A. **Z Gesamte Inn Med** 1984 Jun 1;39(11):249–52 (Eng. Abstr.) **(Ger)**

[Comparative studies on the cardiodepressant effect of disopyramide, mexiletine and propafenon] Angermann C, et al. **Z Kardiol** 1983 Nov;72(11):665–74 (Eng. Abstr.) **(Ger)**

[Drug–induced cardioversion. Advances in chronic atrial fibrillation and flutter] Beck OA. **ZFA (Stuttgart)** 1983 Jul 20;59(20):1122–7 **(Ger)**

[Propafenone: a new anti–arrhythmic drug for treatment of ectopic ventricular beats] Molinis G, et al. **Boll Soc Ital Cardiol** 1982;27(2):211–7 **(Ita)**

[Amiodarone in the acute treatment of hyperkinetic arrhythmias in cardiosurgery] Vitale P, et al. **Boll Soc Ital Cardiol** 1983 May;28(5):419–29 (Eng. Abstr.) **(Ita)**

[Antiarrhythmic efficacy of mexiletine in supraventricular arrhythmias, Wolff–Parkinson–White syndrome and persistent iterative ventricular hyperkinetic arrhythmias. Considerations on these less noted therapeutic effects] Menozzi C, et al. **Clin Ter** 1984 Feb 15;108(3):199–208 (Eng. Abstr.) **(Ita)**

[Mexiletine, a new anti–arrhythmic, in the treatment of ventricular arrhythmia] Menozzi C, et al. **Clin Ter** 1982 Jan 31;100(2):175–88 (Eng. Abstr.) **(Ita)**

[The anti–arrhythmic action of mexiletine: experimental study] Ciraolo O, et al. **G Clin Med** 1983 Nov;64(11):483–90 (Eng. Abstr.) **(Ita)**

[Hemodynamic effects of propafenone in acute myocardial infarct] Finzi A, et al. **G Ital Cardiol** 1984 May;14(5):367–72 (Eng. Abstr.) **(Ita)**

[How and why treat ventricular hyperkinetic arrhythmias] Leclercq JF, et al. **G Ital Cardiol** 1984 Apr;14(4):273–8 (Eng. Abstr.) **(Ita)**

[Electrophysiologic and anti–arrhythmia properties of propafenone deducible from experimental studies in vitro] Ledda F, et al. **G Ital Cardiol** 1984 Apr;14(4):279–84 (Eng. Abstr.) **(Ita)**

[Comparative evaluation of mexiletine and propafenone by dynamic electrocardiography] Marzegalli M, et al. **G Ital Cardiol** 1984 May;14(5):352–6 (Eng. Abstr.) **(Ita)**

[Propafenone in refractory supraventricular arrhythmias] Palumbo E, et al. **G Ital Cardiol** 1984 May;14(5):381–2 (Eng. Abstr.) **(Ita)**

[Comparison of the anti–arrhythmic effects of propafenone and aprindine in the treatment of refractory chronic ventricular arrhythmias. A randomized double–blind crossover study controlled with placebo] Purcaro A, et al. **G Ital Cardiol** 1983;13(6):444–50 (Eng. Abstr.) **(Ita)**

[Mexiletine: electrophysiologic effects] Rizzo A, et al. **G Ital Cardiol** 1983 Nov;13(11):306–10 (Eng. Abstr.) **(Ita)**

[Clinical study of a new beta–adrenergic receptor blocking substance, indenolol] Cirino D, et al. **Minerva Cardioangiol** 1983 Nov;31(11):671–6 (Eng. Abstr.) **(Ita)**

[Intravenous amiodarone in supraventricular and ventricular hyperkinetic arrhythmias. Experience in 20 cases] Cuomo A, et al. **Minerva Cardioangiol** 1983 Oct;31(10):591–600 (Eng. Abstr.) **(Ita)**

[Use of intravenous disopyramide in the treatment of symptomatic refractory ventricular arrhythmia] Leone A. **Minerva Cardioangiol** 1984 Mar;32(3):151–6 (Eng. Abstr.) **(Ita)**

[Relation between plasma levels of propafenone and its clinical efficacy in the treatment of patients with stabilized ventricular ectopic beats] Naccarella F, et al. **Minerva Cardioangiol** 1984 Apr;32(4):221–6 (Eng. Abstr.) **(Ita)**

[Aprindine, an anti–arrhythmia agent for arrhythmia associated with myocardial infarct] Ikeda T, et al. **Nippon Rinsho** 1983 Dec;41(12):2760–5 **(Jpn)**

[Amiodarone, a new anti–arrhythmia agent in arrhythmia associated with myocardial infarct] Watanabe Y, et al. **Nippon Rinsho** 1983 Dec;41(12):2766–70 **(Jpn)**

[Abnormal ECG and adrenaline–induced arrhythmias in restraint and water immersion stressed mice and effects of oxprenolol] Kita T, et al. **Nippon Yakurigaku Zasshi** 1984 May;83(5):373–82 (Eng. Abstr.) **(Jpn)**

[Studies on the heart (22). Inhibitory effect of an atrial peptide (AAP) on drug–induced arrhythmia] Aonuma S, et al. **Yakugaku Zasshi** 1983 Jun;103(6):662–6 (Eng. Abstr.) **(Jpn)**

[Mexitil in the treatment of ventricular arrhythmia (personal experiences)] Dłużniewski M, et al. **Kardiol Pol** 1983; 26(8–9):657–62 (Eng. Abstr.) **(Pol)**

[Effect of intravenous amiodarone on electrophysiological characteristics of the human heart] Drzewiecki J, et al. **Kardiol Pol** 1984;27(1):45–54 (Eng. Abstr.) **(Pol)**

[Electrophysiological studies on the effect of cordarone] Piwowarska W, et al. **Kardiol Pol** 1984;27(3):181–9 (Eng. Abstr.) **(Pol)**

[Acebutolol in the treatment of arrhythmia in patients with circulatory failure or bronchial spasm] Raczyński J, et al. **Pol Arch Med Wewn** 1983 Nov–Dec;70(5–6):271–9 (Eng. Abstr.) **(Pol)**

[Mexiletine in the treatment of arrhythmia] Walczak F, et al. **Pol Tyg Lek** 1983 Sep 26;38(39):1215–8 **(Pol)**

[Clinical pharmacology of procainamide and its active metabolite –N–acetylprocainamide] Matusewicz W, et al. **Przegl Lek** 1984;41(5):379–83 (38 ref.) **(Pol)**

[Nadolol in the treatment of arrhythmia] Goch JH, et al. **Wiad Lek** 1984 Mar 1;37(5):329–33 (Eng. Abstr.) **(Pol)**

[Effectiveness and tolerance of 'Lignocainum hydrochloricum' in the treatment of arrhythmia in ischemic heart disease] Kuch J, et al. **Wiad Lek** 1983 Nov 15; 36(22):1837–42 (Eng. Abstr.) **(Pol)**

[Mexitil in the treatment of arrhythmia] Modlińska J. **Wiad Lek** 1984 Jan 15;37(2):133–5 (5 ref.) (Eng. Abstr.) **(Pol)**

[Effects of verapamil on cardiac performance] Câmpeanu A, et al. **Rev Med Interna [Med Interna]** 1984 Jan–Feb; 36(1):87–96 **(Rum)**

[The use of pharmacokinetic data for rational digitalization] Cristodorescu R, et al. **Rev Med Interna [Med Interna]** 1983 Jul–Aug;35(4):333–42 (Eng. Abstr.) **(Rum)**

[Drug treatment of heart rhythm disorders: the choice of anti–arrhythmia therapy and control of its efficacy] Golitsyn SP, et al. **Kardiologiia** 1983 Nov;23(11):5–8 **(Rus)**

[Objective evaluation of anti–arrhythmia therapy with the treatment effectiveness coefficient] Maisuradze MZ, et al. **Kardiologiia** 1983 Sep;23(9):99–100 **(Rus)**

[Clinico–electrophysiologic study of the anti–arrhythmic action of trimecaine] Zhelnov VV, et al. **Kardiologiia** 1984 May;24(5):48–52 (Eng. Abstr.) **(Rus)**

[Use of obzidan in continuous cardiac fibrillation and extrasystole in middle–aged and elderly patients with ischemic heart disease] Korkushko OV, et al. **Klin Med (Mosk)** 1983 Nov;61(11):34–40 (Eng. Abstr.) **(Rus)**

[Comparative characteristics of the antiarrhythmic activity of lidocaine, trimecaine and pyromecaine] Orlov VM, et al. **Sov Med** 1984;(3):82–4 **(Rus)**

[Ambulatory treatment of disorders of heart rhythm and conduction] Makolkin VI, et al. **Ter Arkh** 1984;56(4):3–10 **(Rus)**

[Use of a nomogram in treating cardiac arrhythmias with cordarone] Frenkel' VI, et al. **Vrach Delo** 1984 Mar;(3):54–6 (Eng. Abstr.) **(Rus)**

[Is there a place for amiodarone in the treatment of the Romano–Ward syndrome?] Rumboldt Z. **Lijec Vjesn** 1984 Feb–Mar;106(2–3):68–70 (Eng. Abstr.) **(Scr)**

[The effect of verapamil on latent ventricular pre–excitation] Hluchý J, et al. **Vnitr Lek** 1984 Feb;30(2):175–81 (Eng. Abstr.) **(Slo)**

[The old digitalis and the new cardiac inotropic agents] Méndez R. **Arch Farmacol Toxicol** 1983 Apr;9(1):4–20 (41 ref.) **(Spa)**

[Treatment of arrhythmias with high risk of sudden death in chronic Chagas' cardiopathy with oral mexiletine. Evaluation with 24–hour ambulatory electrocardiographic monitoring (Holter)] Sgammini HO, et al. **Arq Bras Cardiol** 1983 Feb;40(2):103–9 (Eng. Abstr.) **(Spa)**

[Intravenous acebutolol in supraventricular arrhythmias and ventricular extrasystole. Experience in 22 cases] Yenes A, et al. **Rev Med Chil** 1984 Jan;112(1):32–5 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Ventricular arrhythmias during ergonovine–induced episodes of variant angina. Szlachcic J, et al. **Am Heart J** 1984 Jan; 107(1):20–4

Cigarette smoking and ventricular arrhythmia in coronary heart disease. Davis MJ, et al. **Am J Cardiol** 1984 Aug 1;54(3):282–5

Nature of inducible ventricular tachyarrhythmias in a canine chronic myocardial infarction model. Echt DS, et al. **Am J Cardiol** 1983 Nov 1;52(8):1127–32

Myopotential interference with DDD pacemakers: endocardial electrographic telemetry in the diagnosis of pacemaker–related arrhythmias. Halperin JL, et al. **Am J Cardiol** 1984 Jul 1;54(1):97–102

Göteborg Metoprolol Trial: effects on arrhythmias. Herlitz J, et al. **Am J Cardiol** 1984 Jun 25;53(13):27D–31D

Ventricular arrhythmias in aortic valve disease: analysis of 102 patients. Klein RC. **Am J Cardiol** 1984 Apr 1; 53(8):1079–83

Ventricular arrhythmias during coronary angiography in patients with angina pectoris or chest pain syndromes. Nishimura RA, et al. **Am J Cardiol** 1984 Jun 1; 53(11):1496–9

Frequency of arrhythmias in acute pericarditis determined by Holter monitoring. Spodick DH. **Am J Cardiol** 1984 Mar 1;53(6):842–5

Atrioventricular junctional rhythm induced by atrial stimulation: a suspected clinical manifestation of 'triggered' activity. Tenczer J, et al. **Am J Cardiol** 1984 Feb 1; 53(4):631–2

Relation of ventricular premature beats to underlying heart disease. Uretz EF, et al. **Am J Cardiol** 1984 Mar 1; 53(6):774–80

Ventricular arrhythmias before and late after aortic valve replacement. von Olshausen K, et al. **Am J Cardiol** 1984 Jul 1;54(1):142–6

Cardiac dysfunction in obese dieters: a potentially lethal complication of rapid, massive weight loss. Van Itallie TB, et al. **Am J Clin Nutr** 1984 May;39(5):695–702 (37 ref.)

Acute hemodynamic changes during renal transplantation. Freilich JD, et al. **Anesth Analg** 1984 Feb;63(2):158–60

Propranolol prior to ECT associated with asystole [letter] Wulfson HD, et al. **Anesthesiology** 1984 Mar;60(3):255–6

Endocardial abnormalities in left ventricular aneurysms. A clinicopathologic study. Hochman JS, et al. **Ann Intern Med** 1984 Jan;100(1):29–35

The idiopathic long Q–T syndrome. Schwartz PJ. **Ann Intern Med** 1983 Oct;99(4):561–2

Ventricular arrhythmias and sudden death in athletes. Furlanello F, et al. **Ann NY Acad Sci** 1984;427:253–79

Vasospasm and ventricular arrhythmias. Salerno JA, et al. **Ann NY Acad Sci** 1984;427:222–33

Mechanisms responsible for arrhythmias associated with reperfusion of ischemic myocardium. Witkowski FX, et al. **Ann NY Acad Sci** 1984;427:187–98 (79 ref.)

Cardiac risks and complications of noncardiac surgery. Goldman L. **Ann Surg** 1983 Dec;198(6):780–91 (78 ref.)

Comparative electrophysiological evaluation of atrial activation and sinoatrial node function following Senning and Mustard procedures: an experimental study. Marquez–Montes J, et al. **Ann Thorac Surg** 1983 Dec; 36(6):692–9

Persistent atrial activity during cardioplegic arrest: a possible factor in the etiology of postoperative supraventricular tachyarrhythmias. Tchervenkov CI, et al. **Ann Thorac Surg** 1983 Oct;36(4):437–43

Cardiac arrhythmias in children. Campbell RM, et al. **Annu Rev Med** 1984;35:397–410 (84 ref.)

Behavioral stress and cardiac arrhythmias. Verrier RL, et al. **Annu Rev Physiol** 1984;46:155–76 (129 ref.)

Asystole in the prolonged QT syndrome. Rennie JM, et al. **Arch Dis Child** 1984 Jun;59(6):571–3

Normal cardiac rhythm during hypocaloric diets of varying carbohydrate content. Phinney SD, et al.

Arch Intern Med 1983 Dec;143(12):2258–61
Fatal ventricular arrhythmia associated with Swan–Ganz catheter placement [letter] Fry DE, et al. **Arch Surg** 1984 Oct;119(10):1216
Torsade de pointes and asystole in a child with complete heart block and prolonged QT interval. Nikolic G, et al. **Aust Paediatr J** 1983 Sep;19(3):187–91
Sinus node and atrial dysfunction during hypercalcemia. Jiménez O, et al. **Bol Asoc Med PR** 1983 Jan;75(1):21–3
The interaction of two malfunctioning cardiac pacemakers. Johnson CD. **Bol Asoc Med PR** 1984 Apr;76(4):165–7
Ventricular arrhythmia in unrepaired and repaired tetralogy of Fallot. Relation to age, timing of repair, and haemodynamic status. Deanfield JE, et al. **Br Heart J** 1984 Jul;52(1):77–81
Aberration: seventy five years after Sir Thomas Lewis [editorial] Fisch C. **Br Heart J** 1983 Oct;50(4):297–302
Arrhythmias after coronary bypass surgery. Ormerod OJ, et al. **Br Heart J** 1984 Jun;51(6):618–21
Arrhythmia and structural abnormalities of the fetal heart. Stewart PA, et al. **Br Heart J** 1983 Dec;50(6):550–4
Ventricular arrhythmias in idiopathic dilated cardiomyopathy. von Olshausen K, et al. **Br Heart J** 1984 Feb;51(2):195–201
Ventricular arrhythmia or supraventricular arrhythmia with aberrant conduction [letter] Karl HW. **Br J Anaesth** 1984 Jun;56(6):671–2
The heart in the Guillain–Barré syndrome [letter] **Br Med J [Clin Res]** 1984 Feb 11;288(6415):483
Anaesthetic considerations in percutaneous radiofrequency coagulation of the Gasserian ganglion. Abou–Madi M, et al. **Can Anaesth Soc J** 1984 May;31(3 Pt 1):255–62
Ventricular aneurysms and ventricular arrhythmias complicating Coxsackie virus B1 myocarditis of Syrian golden hamsters. Hoshino T, et al. **Cardiovasc Res** 1984 Jan;18(1):24–9
Hypokalemic myocytolysis and rhythm disturbances [letter] Frustaci A. **Chest** 1984 Jun;85(6):836
Arrhythmias during removal of pulmonary artery catheters (letter). Johnston W, et al. **Chest** 1984 Feb;85(2):296
Postoperative arrhythmias in patients with congenital heart disease. Krongrad E. **Chest** 1984 Jan;85(1):107–13 (51 ref.)
Effect of propranolol in postinfarction patients with mechanical or electrical complications. Furberg CD, et al. **Circulation** 1984 Apr;69(4):761–5
Myocardial injury and induction of arrhythmia by direct current shock delivered via endocardial catheters in dogs. Lerman BB, et al. **Circulation** 1984 May;69(5):1006–12
Safety of maximal exercise testing in patients at high risk for ventricular arrhythmia. Young DZ, et al. **Circulation** 1984 Aug;70(2):184–91
Ventricular arrhythmias and serum potassium: is there a correlation in the arrhythmic patient? Detrano R, et al. **Cleve Clin Q** 1984 Spring;51(1):55–8
Exertional angina pectoris associated with post–exercise ST segment elevation and nearly normal coronary arteries. Millit HD, et al. **Cleve Clin Q** 1984 Spring;51(1):71–5
Relationship of potassium and magnesium concentrations in serum to cardiac arrhythmias. Boyd JC, et al. **Clin Chem** 1984 May;30(5):754–7
Arrhythmias in hypertrophic obstructive and non–obstructive cardiomyopathy. Borggrefe M, et al. **Eur Heart J** 1983 Nov;4 Suppl F:245–51
Arrhythmia and prognosis in hypertrophic cardiomyopathy. McKenna WJ. **Eur Heart J** 1983 Nov;4 Suppl F:225–34
Suppression of demand pacemakers due to spurious signals generated by inactive endocardial electrodes. Oreto G, et al. **Eur Heart J** 1983 Oct;4(10):724–7
Significance of supraventricular arrhythmias induced by electrophysiologic studies. Perrot B, et al. **Eur Heart J** 1984 Apr;5(4):295–303
Diuretics, potassium depletion and the risk of arrhythmias. Robertson JI. **Eur Heart J** 1984 Mar;5 Suppl A:25–8 (26 ref.)
Adrenergic factors in arrhythmogenesis in the ischemic and reperfused myocardium. Sharma AD, et al. **Eur Heart J** 1983 Jul;4 Suppl D:79–90 (109 ref.)
Lavage–induced cardiac asystole [letter] Yantis PL. **Gastrointest Endosc** 1984 Apr;30(2):117
Pacemaker update 1984. Part III. Pacemaker arrhythmias in normally functioning pacemakers. Parker MM, et al. **Heart Lung** 1984 Sep;13(5):589–91
Irregular heart rates in two young children. Greenwood RD. **Hosp Pract [Off]** 1984 Aug;19(8):120E, 120I, 120L
Pacemaker arrhythmias in 'R' wave inhibited demand pulse generators. Shah LS, et al. **Indian Heart J** 1983 Jul–Aug; 35(4):212–7
Warning arrhythmias in ischemic heart disease. Adgey AA. **Int J Cardiol** 1983 Sep;4(2):224–8
Holiday heart arrhythmias. Ettinger PO. **Int J Cardiol** 1984 Apr;5(4):540–2
Absence of cardiac arrhythmias during a very–low–calorie diet with high biological quality protein. Linet OI, et al. **Int J Obes** 1983;7(4):313–20
Complex arrhythmia analysis in uraemic haemodialysed patients. Lőcsey L, et al. **Int Urol Nephrol** 1984;16(2):181–3
Prognostic value of ventricular arrhythmias associated with treadmill exercise testing in patients studied with cardiac catheterization for suspected ischemic heart disease. Califf RM, et al. **J Am Coll Cardiol** 1983 Dec;2(6):1060–7
Cardiac arrhythmias in systemic amyloidosis: correlation with echocardiographic abnormalities. Falk RH, et al. **J Am Coll Cardiol** 1984 Jan;3(1):107–13
Electrocardiographic findings in experimental myocarditis in DBA/2 mice: complete atrioventricular block in the acute stage, low voltage of the QRS complex in the subacute stage and arrhythmias in the chronic stage. Kishimoto C, et al. **J Am Coll Cardiol** 1984 Jun;3(6):1461–8
Arrhythmias in inferior wall infarction. Ananthasubramaniam G, et al. **J Assoc Physicians India** 1983 Sep;31(9):587–8
Cardiac arrhythmia in a case of rabies [letter] Chugh SN, et al. **J Assoc Physicians India** 1984 Apr;32(4):381
Cardiac arrhythmias induced by transient hypertension during sleep–waking states. Trelease RB, et al. **J Auton Nerv Syst** 1983 Jul;8(3):179–91
Cardiac irritability, tricyclic antidepressants, and electroconvulsive therapy [letter] Raskin DE. **J Clin Psychopharmacol** 1984 Aug;4(4):237–8
Second degree entrance block with supernormal conduction in intermittent ventricular parasystole. Kinoshita S, et al. **J Electrocardiol** 1984 Apr;17(2):199–203
Reperfusion–induced arrhythmias: mechanisms and prevention. Manning AS, et al. **J Mol Cell Cardiol** 1984 Jun;16(6):497–518
Neurohumorally induced cardiac dysrhythmias during nitrous oxide–oxygen–thiopental anesthesia. Tolas AG, et al. **J Oral Maxillofac Surg** 1983 Oct;41(10):649–52
Etiology of atrioventricular–conduction abnormalities following cardiac surgery. Silverman NA, et al. **J Surg Res** 1984 Mar;36(3):198–204
Medical grand rounds. Cardiac arrhythmias without organic heart disease. Gifford D, et al. **J Tenn Med Assoc** 1984 Aug;77(8):465–7, 469
Arrhythmias and conduction disturbances following cardiac operation for the removal of left atrial myxomas. Bateman TM, et al. **J Thorac Cardiovasc Surg** 1983 Oct;86(4):601–7
Exercise induced ventricular arrhythmias. Angiographic correlation with the severity of coronary artery disease. deCaprio L, et al. **Jpn Heart J** 1983 Jul;24(4):489–502
Neural mechanisms in cardiac arrhythmias associated with epileptogenic activity: the effect of phenobarbital in the cat. Lathers CM, et al. **Life Sci** 1984 May 14;34(20):1919–36
Arrhythmias in patients with chronic obstructive pulmonary disease. Brashear RE. **Med Clin North Am** 1984 Jul; 68(4):969–81 (80 ref.)
Arrhythmias in acute myocardial infarction. Wagner GS. **Med Clin North Am** 1984 Jul;68(4):1001–8 (22 ref.)
Serious ventricular arrhythmias in a cardiac rehabilitation programme. Fagan ET, et al. **Med J Aust** 1984 Sep 29; 141(7):421–4
Sustained arrhythmias in hypertrophic obstructive cardiomyopathy. Kowey PR, et al. **N Engl J Med** 1984 Jun 14;310(24):1566–9
Cardiac arrhythmias in chronic renal failure? Holter monitoring during dialysis and everyday activity at home. Kyriakidis M, et al. **Nephron** 1984;38(1):26–9
Cardiac arrhythmias on hemodialysis in chronic renal failure patients. Ramirez G, et al. **Nephron** 1984;36(4):212–8
Prevention of pacemaker arrhythmias [letter] den Dulk K, et al. **PACE** 1984 Mar;7(2):304–5
Atrial trigeminy induced by a normally functioning DVI pacemaker. Millar RN, et al. **PACE** 1984 Mar;7(2):276–8
Pacemaker alternans. Rozanski JJ, et al. **PACE** 1984 Jan; 7(1):125–8
Juvenile diabetes and the heart. Cooper RS. **Pediatr Clin North Am** 1984 Jun;31(3):653–63 (70 ref.)
Early and late results following repair of partial atrioventricular (AV) canal. Singh AK, et al. **Thorac Cardiovasc Surg** 1984 Apr;32(2):89–91
The sinoatrial node in familial amyloidosis with polyneuropathy. A clinico–pathological study of nine cases from northern Sweden. Eriksson A, et al. **Virchows Arch [A]** 1984;402(3):239–46
[The nervous system and cardiac arrhythmia] Guo XQ. **Sheng Li Ko Hsueh Chin Chan** 1983 Oct;14(4):318–22 **(Chi)**
[ECG changes in pheochromocytoma] Nordin H, et al. **Ugeskr Laeger** 1984 Mar 12;146(11):792–5 (Eng. Abstr.) **(Dan)**
[The 'holiday heart' syndrome] Jordaens L, et al. **Ned Tijdschr Geneeskd** 1983 Dec 31;127(53):2407–10 (Eng. Abstr.) **(Dut)**
[Conduction disorders in infarction. Prognosis and therapeutic impact] Asseman P, et al. **Ann Cardiol Angeiol (Paris)** 1984 Apr;33(3):159–62 (Eng. Abstr.) **(Fre)**
[Supraventricular arrhythmia in Yersinia enterocolitica infection] Simmat G, et al. **Ann Cardiol Angeiol (Paris)** 1984 Jul–Sep;33(5):317–21 (Eng. Abstr.) **(Fre)**
[Adiastole caused by a secondary cardiac hemochromatosis. Successful treatment with an iron chelating agent] Baudouy P, et al. **Arch Mal Coeur** 1983 Oct;76(10):1240–6 (Eng. Abstr.) **(Fre)**
[Treatable asystole in adults caused by diffuse, total liver arterio–venous aneurysm. Cure by ligation of the hepatic artery (letter)] Danchin N, et al. **Arch Mal Coeur** 1984 Jan; 77(1):118–9 **(Fre)**
[Prognostic significance of electrocardiographic changes observed in the immediate postoperative period of isolated aortic valve replacements] Gaspard P, et al. **Arch Mal Coeur** 1983 Dec;76(12):1409–16 (Eng. Abstr.) **(Fre)**
[Ventricular arrhythmias in obstructive hypertrophic cardiomyopathy. Continuous electrocardiographic study] Bourmayan C, et al. **Presse Med** 1983 Oct 1;12(34):2089–92 (Eng. Abstr.) **(Fre)**
[Ankylosing spondylarthritis. Early detection by electrocardiographic anomalies (letter)] Burki F, et al. **Presse Med** 1984 Apr 7;13(15):945 **(Fre)**
[Fruste form of hyperthyroidism manifested by auricular arrhythmia. Importance of the assay of the free fraction of thyroxine (FT4) and the role of the TRH test] Rohmer V, et al. **Presse Med** 1984 Jan 28;13(3):145–8 (Eng. Abstr.) **(Fre)**
[Association of auricular arrhythmias with malignant thoracic tumors (letter)] Thiroloix P, et al. **Presse Med** 1984 Apr 7;13(15):945 **(Fre)**
[Iatrogenic arrhythmias induced by physiologic cardiac stimulation] Bertholet M, et al. **Rev Med Liege** 1984 Feb 15;39(4):160–6 **(Fre)**
[Continuous electrocardiography monitoring during esophago–gastro–duodenoscopy] Allaz AF, et al. **Schweiz Med Wochenschr** 1983 Aug 27;113(34):1188–91 (Eng. Abstr.) **(Fre)**
[Asystole in extreme hyperkalemia, and successful resuscitation] Kretz FJ, et al. **Anaesthesist** 1983 Sep; 32(9):443–4 (Eng. Abstr.) **(Ger)**
[Nocturnal cardiac arrhythmias in the sleep apnea syndrome] Bolm–Audorff U, et al. **Dtsch Med Wochenschr** 1984 Jun 1;109(22):853–6 (Eng. Abstr.) **(Ger)**
[Arrhythmias following acute myocardial infarction] Burkart F. **Schweiz Rundsch Med Prax** 1984 Jan 17;73(3):67–70 (Eng. Abstr.) **(Ger)**
[Incidence and prognostic significance of inducible ventricular arrhythmias in the early post–infarction phase] Haerten K, et al. **Z Kardiol** 1984 Apr;73(4):199–205 (Eng. Abstr.) **(Ger)**
[Cardiomegaly in heart rhythm disorder in a newborn infant with diabetic fetopathy] Kohlhoff R. **Zentralbl Gynakol** 1983;105(21):1388–93 (Eng. Abstr.) **(Ger)**
[ECG changes in subarachnoid hemorrhages] Iliás L, et al. **Orv Hetil** 1983 Nov 13;124(46):2797–801 (Eng. Abstr.) **(Hun)**
[Occurrence of arrhythmia in the post–infarct period] Baratta L, et al. **Boll Soc Ital Cardiol** 1982 Nov;27(11):1085–9 (Eng. Abstr.) **(Ita)**
[Response to maximal exertion in subjects with the Wolff–Parkinson–White syndrome] Egloff C, et al. **Boll Soc Ital Cardiol** 1983 Jul;28(7):613–8 (Eng. Abstr.) **(Ita)**
[Arrhythmias in the surgically treated cardiac patient] Iannetti M, et al. **Boll Soc Ital Cardiol** 1982 Nov; 27(11):1101–13 (59 ref.) **(Ita)**
[Response to maximal exertion in patients with complete atrioventricular block] Miraglia G, et al. **Boll Soc Ital Cardiol** 1983 Jul;28(7):591–4 (Eng. Abstr.) **(Ita)**
[Abnormal electrocardiographic changes induced by hypocalcemia secondary to extracorporeal circulation] Gasparini M, et al. **G Ital Cardiol** 1984 Apr;14(4):265–8 (Eng. Abstr.) **(Ita)**
[Bidimensional echocardiographic findings in a case of arrhythmogenic dysplasia of the right ventricle] Guccione P, et al. **G Ital Cardiol** 1983 Aug;13(8):128–32 (Eng. Abstr.) **(Ita)**
[Cardiac arrhythmias due to tracheal intubation. Effect of 2 methods of preanesthesia] Pagani L, et al. **Minerva Anestesiol** 1983 Jul–Aug;49(7–8):435–8 (Eng. Abstr.) **(Ita)**
[Myocardial infarct and arrhythmia. I. Acute myocardial infarct and hyperkinetic arrhythmia. Statistical study of a population of 741 cases of acute myocardial infarct] Roncarolo PL, et al. **Minerva Cardioangiol** 1983 Jun; 31(6):375–80 (Eng. Abstr.) **(Ita)**
[Study on the diurnal change of arrhythmia attacks in sick sinus syndrome] Okano K. **Nippon Ika Daigaku Zasshi** 1983 Aug;50(4):501–15 (Eng. Abstr.) **(Jpn)**
[Heart contusion after non–penetrating injuries of the torso] Eritsland J, et al. **Tidsskr Nor Laegeforen** 1983 Sep 10; 103(25):1738–40 (Eng. Abstr.) **(Nor)**
[Computer analysis of cardiac rhythm in children before and after pneumoencephalography] Sowa K, et al. **Pediatr Pol** 1983 Feb;58(2):165–70 (Eng. Abstr.) **(Pol)**
[Magnesium in cardiology (editorial)] Faintuch JJ, et al. **Arq Bras Cardiol** 1983 Jun;40(6):369–70 **(Por)**
[Electrocardiographic changes in snake bite] Herdoiza GL, et al. **Arq Bras Cardiol** 1983 May;40(5):319–23 (Eng. Abstr.) **(Por)**
[Acute disorders of cardiac rhythm in heart valve prosthesis during cardioplegia] Danilenko MV, et al. **Anesteziol Reanimatol** 1983 Jul–Aug;(4):20–2 (Eng. Abstr.) **(Rus)**
[Characteristics of the rhythmic activity of a normal and a damaged heart during hyperactivity of spinal cord preganglionic neurons] Kryzhanovskii GN, et al. **Biull Eksp Biol Med** 1983 Sep;96(9):14–6 (Eng. Abstr.) **(Rus)**
[Role of lipid peroxidation in the pathogenesis of arrhythmias and the anti–arrhythmogenic action of antioxidants] Meerson FZ, et al. **Kardiologiia** 1984 May;24(5):61–8 (Eng. Abstr.) **(Rus)**
[Ventricular flutter as a clinical manifestation of an atypical course of thromboembolism of the branches of the pulmonary artery] Pugach AD. **Kardiologiia** 1984 Jan; 24(1):100–3 **(Rus)**
[Rare cases of heart conduction and rhythm disorders during

short-term hyperthermia] Sobolevskil VI. **Kardiologiia** 1983 Oct;23(10):108–9 **(Rus)**

[Current concepts of the ionic mechanisms of cardiac arrhythmias and the possible mechanisms of action of cardiac anti-arrhythmia agents] Porotikov VI, et al. **Usp Fiziol Nauk** 1984 Jul–Sep;15(3):42–63 (133 ref.) **(Rus)**

[Cardiovascular changes in acromegaly. Prospective study] Badui E, et al. **Arch Inst Cardiol Mex** 1984 May–Jun; 54(3):287–92 (Eng. Abstr.) **(Spa)**

[Breakfast causing severe recurrent arrhythmia] Westin L, et al. **Lakartidningen** 1983 Nov 30;80(48):4686 **(Swe)**

FAMILIAL & GENETIC

Familial endemic persistent atrial standstill in a small mountain community: review of eight cases. Disertori M, et al. **Eur Heart J** 1983 May;4(5):354–61

Cardiac involvement in juvenile ceroid lipofuscinosis of the Spielmeyer–Vogt–Sjögren type: prospective noninvasive findings in two siblings. Michielsen P, et al. **Eur Neurol** 1984;23(3):166–72

Pacemaker treatment in familial amyloidosis with polyneuropathy. Eriksson P, et al. **PACE** 1984 Jul; 7(4):702–6

HISTORY

The AJC in March 1959. Josephson ME. **Am J Cardiol** 1984 Mar 1;53(6):803–4

Early perceptions of the electrocardiogram: from arrhythmia to infarction. Howell JD. **Bull Hist Med** 1984 Spring; 58(1):83–98

METABOLISM

Relationship of neurosympathetic responsiveness to early ventricular arrhythmias in ischaemic myocardium. Forfar JC, et al. **Cardiovasc Res** 1984 Jul;18(7):427–37

Propafenone disposition kinetics in cardiac arrhythmia. Connolly S, et al. **Clin Pharmacol Ther** 1984 Aug; 36(2):163–8

Alterations of phospholipids in ischemic canine myocardium during acute arrhythmia. Man RY, et al. **Lipids** 1983 Oct; 18(10):677–81

MORTALITY

Q waves and ventricular extrasystoles in resting electrocardiograms. A 16 year follow up in Busselton study. Cullen K, et al. **Br Heart J** 1983 Nov;50(5):465–8

OCCURRENCE

Arrhythmias on ambulatory electrocardiographic monitoring in women without apparent heart disease. Romhilt DW, et al. **Am J Cardiol** 1984 Sep 1;54(6):582–6

[Incidence of ventricular arrhythmia relative to the QT interval in spontaneous intracranial hemorrhages] Sen S, et al. **Dtsch Med Wochenschr** 1984 May 25;109(21):817–20 (Eng. Abstr.) **(Ger)**

[Ventricular arrhythmia in the post-infarct period. Pilot study of 24 patients] Greco V, et al. **Minerva Cardioangiol** 1984 Jun;32(6):381–6 (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

Dual anterograde His bundle pathways in man. Alboni P, et al. **Am Heart J** 1984 Sep;108(3 Pt 1):611–4

Effect of ventricular pacing on left ventricular function assessed by radionuclide angiography. Boucher CA, et al. **Am Heart J** 1983 Nov;106(5 Pt 1):1105–11

The relationship between ventricular arrhythmias and ischemia-induced conduction delay in closed-chest animals within 24 hours of myocardial infarction. Fujimoto T, et al. **Am Heart J** 1984 Feb;107(2):201–9

Verapamil effects in AV node reentry tachycardia with intermittent supra-Hisian AV block. Hamer AW, et al. **Am Heart J** 1984 Mar;107(3):431–9

The mechanism of dysrhythmias in variant angina pectoris: occlusive versus reperfusion. Kerin NZ, et al. **Am Heart J** 1983 Dec;106(6):1332–40

Doppler echocardiographic features of mechanical alternans. Schuster AH, et al. **Am Heart J** 1984 Mar;107(3):580–3

Annihilation, entrainment and modulation of ventricular parasystolic rhythms. Castellanos A, et al. **Am J Cardiol** 1984 Aug 1;54(3):317–22

Determinants of arrhythmogenic ventricular activity detected on the body surface QRS in patients with coronary artery disease. Denes P, et al. **Am J Cardiol** 1984 Jun 1; 53(11):1519–23

Potentially lethal arrhythmias and their management in hypertrophic cardiomyopathy. Frank MJ, et al. **Am J Cardiol** 1984 Jun 1;53(11):1608–13

Periodic variation in atrioventricular conduction time: mechanisms of initiation, maintenance and termination of periods of long PR intervals. Kinoshita S, et al. **Am J Cardiol** 1984 May 1;53(9):1288–91

Influence of early nonparasystolic impulses on the atrial parasystolic rhythm. Kinoshita S, et al. **Am J Cardiol** 1984 May 15;53(10):1455–6

Mechanisms of ventricular arrhythmias: a theoretical model derived from the concepts of 'electrotonic interaction' and 'longitudinal dissociation'. Kinoshita S. **Am J Cardiol** 1983 Dec 1;52(10):1350–4

Electrophysiologic and clinical effects of intravenous and oral encainide in accessory atrioventricular pathway. Kunze KP, et al. **Am J Cardiol** 1984 Aug 1;54(3):323–9

Electrophysiologic basis for arrhythmias in ischemic heart disease. Lazzara R, et al. **Am J Cardiol** 1984 Feb 27; 53(5):1B–7B (58 ref.)

Relation between premature ventricular contraction site of origin (defined by radionuclide phase analysis) and subsequent left ventricular function. Rolfe SJ, et al. **Am J Cardiol** 1984 Apr 1;53(8):1028–33

Mechanisms of phase 1a and 1b early ventricular arrhythmias during acute myocardial ischemia in the dog. Russell DC, et al. **Am J Cardiol** 1984 Jan 15;53(2):307–12

Symposium on the management of ventricular dysrhythmias. Concept of reentry versus automaticity. Sasyniuk BI. **Am J Cardiol** 1984 Jul 30;54(2):1A–6A (32 ref.)

Conduction system abnormalities in symptomatic mitral valve prolapse: an electrophysiologic analysis of 60 patients. Ware JA, et al. **Am J Cardiol** 1984 Apr 1;53(8):1075–8

Ventricular arrhythmias during exercise testing: mechanism, response to coronary bypass surgery and prognostic significance. Weiner DA, et al. **Am J Cardiol** 1984 Jun 1;53(11):1553–7

Pregnancy in a patient with idiopathic long QT syndrome. Bruner JP, et al. **Am J Obstet Gynecol** 1984 Jul 15; 149(6):690–1

Defining electromechanical dissociation. Ewy GA. **Ann Emerg Med** 1984 Sep;13(9 Pt 2):830–2

Molecular and biochemical mechanisms underlying the role of calcium ions in malignant ventricular arrhythmias. Opie LH, et al. **Ann NY Acad Sci** 1984;427:127–39 (46 ref.)

The clinical relevance of afterdepolarizations. Rosen MR, et al. **Ann NY Acad Sci** 1984;427:84–93 (41 ref.)

Myocardial perfusion and neurally induced cardiac arrhythmias. Verrier RL, et al. **Ann NY Acad Sci** 1984; 427:171–86 (89 ref.)

Influence of arrhythmogenic and antiarrhythmic agents on alternating current-induced arrhythmias in guinea-pig heart preparations. Borchard U, et al. **Arch Int Pharmacodyn Ther** 1984 May;269(1):83–93

Disturbances of cardiac rhythm and conduction in familial amyloidosis with polyneuropathy. Eriksson P, et al. **Br Heart J** 1984 Jun;51(6):658–62

Observations on 'junctional rhythms' during anaesthesia [letter] Sethna DH, et al. **Br J Anaesth** 1984 Aug; 56(8):924–5

Haemodynamic assessment of fetal heart arrhythmias. Lingman G, et al. **Br J Obstet Gynaecol** 1984 Jul; 91(7):647–52

The effects of timolol on arrhythmias and prostanoid release during canine myocardial ischaemia and reperfusion. Coker SJ, et al. **Br J Pharmacol** 1984 Apr;81(4):675–84

Anti-arrhythmic effects of (–)-carnitine chloride and its acetyl analogue on canine late ventricular arrhythmia induced by ligation of the coronary artery as related to improvement of mitochondrial function. Imai S, et al. **Br J Pharmacol** 1984 Jun;82(2):533–42

An investigation into the characteristics of reperfusion-induced arrhythmias in the anaesthetized rat and their susceptibility to antiarrhythmic agents. Kane KA, et al. **Br J Pharmacol** 1984 Jun;82(2):349–57

Epilepsy: a presentation of the Romano–Ward syndrome. Ballardie FW, et al. **Br Med J [Clin Res]** 1983 Sep 24; 287(6396):896–7

Use of intracoronary KCl in the beating and asystolic heart to determine the mechanism of initiation of the left ventricular mechanoreceptor reflex. Estrin JA, et al. **Cardiovasc Res** 1984 Aug;18(8):514–22

Effect of exercise on repolarisation abnormalities in patients with asymptomatic QT prolongation. Wu DK, et al. **Cardiovasc Res** 1984 Jan;18(1):60–5

Chronic paroxysmal hemicrania: heart rate changes and ECG rhythm disturbances. A computerized analysis of 24 h ambulatory ECG recordings. Russell D, et al. **Cephalalgia** 1984 Jun;4(2):135–44

Cardiac asystole during an hypoxic drive study in a normal subject. Aitken ML, et al. **Chest** 1984 Jun;85(6):818–9

Contractile function and rhythmicity of cardiac preparations from Escherichia coli endotoxin-shocked guinea pigs. Adams HR, et al. **Circ Shock** 1984;13(3):241–53

Mechanisms for atrial arrhythmias associated with cardiomyopathy: a study of feline hearts with primary myocardial disease. Boyden PA, et al. **Circulation** 1984 May;69(5):1036–47

Effects of pacing on triggered activity induced by early afterdepolarizations. Damiano BP, et al. **Circulation** 1984 May;69(5):1013–25

Advance prediction of transthoracic impedance in human defibrillation and cardioversion: importance of impedance in determining the success of low-energy shocks. Kerber RE, et al. **Circulation** 1984 Aug;70(2):303–8

Retrograde concealed conduction in the atrioventricular node: differential manifestations related to level of intranodal penetration. Lehmann MH, et al. **Circulation** 1984 Sep;70(3):392–401

Recordings of basal ventricular preexcitation from electrode catheters in patients with accessory atrioventricular connections. Mitchell LB, et al. **Circulation** 1984 Feb; 69(2):233–41

Reflected reentry in nonhomogeneous ventricular muscle as a mechanism of cardiac arrhythmias. Rozanski GJ, et al. **Circulation** 1984 Jan;69(1):163–73

Electrophysiological effects of quinidine alone and of the combination quinidine-verapamil on AV conduction in humans. Theisen K, et al. **Clin Cardiol** 1983 Aug; 6(8):405–11

Telemetric evaluation of the atrioventricular conduction system. Rostás L, et al. **Cor Vasa** 1984;26(2):132–9

Effect of adenosine triphosphate on the accessory pathways. Perrot B, et al. **Eur Heart J** 1984 May;5(5):382–93

The idiopathic long QT syndrome: the need for a prospective registry. Schwartz PJ. **Eur Heart J** 1983 Aug;4(8):529–31

Study on the antiarrhythmic effects of some centrally acting drugs—benzodiazepines. Kuruvilla A, et al. **Indian J Exp Biol** 1983 Jan;21(1):23–6

Histamine antagonists modify systemic digoxin cardiotoxicity by their central action. Tripathi KD, et al. **Indian J Med Res** 1984 Feb;79:284–9

Reproducibility of electrophysiological parameters of sinus node following autonomic blockade. Alboni P, et al. **Int J Cardiol** 1983 Nov–Dec;4(4):431–42

Prognosis in patients with intra-Hisian conduction disturbances. Lerman BB, et al. **Int J Cardiol** 1984 Apr; 5(4):449–60

Analysis of adults with and without complex ventricular arrhythmias after repair of tetralogy of Fallot. Burns RJ, et al. **J Am Coll Cardiol** 1984 Aug;4(2):226–33

Ventricular arrhythmias and biventricular dysfunction after repair of tetralogy of Fallot. Kavey RE, et al. **J Am Coll Cardiol** 1984 Jul;4(1):126–31

Cardiac rhythm and conduction in Duchenne's muscular dystrophy: a prospective study of 20 patients. Perloff JK. **J Am Coll Cardiol** 1984 May;3(5):1263–8

Long QT: good, bad or indifferent? Surawicz B, et al. **J Am Coll Cardiol** 1984 Aug;4(2):398–413 (136 ref.)

Effects of prolonged administration of oxprenolol on severity of ischaemic arrhythmias, enzyme leakage, infarct size, and intracellular cardiac muscle action potentials. Campbell CA, et al. **J Cardiovasc Pharmacol** 1984 May–Jun; 6(3):369–77

Modulation of ventricular parasystole by extraneous depolarizations. Castellanos A, et al. **J Electrocardiol** 1984 Apr;17(2):195–8

Further evidence that thromboxane exacerbates arrhythmias: effects of UK38485 during coronary artery occlusion and reperfusion in anaesthetized greyhounds. Coker SJ. **J Mol Cell Cardiol** 1984 Jul;16(7):633–41

Prognostic evaluation of conduction disturbances in athletes: a five years experience with non-invasive and invasive procedures. Fenici R, et al. **J Sports Med Phys Fitness** 1983 Dec;23(4):450–60

Abnormal ECG findings and heart function examined by non-invasive methods in a group of athletes. Karvonen J, et al. **J Sports Med Phys Fitness** 1983 Dec;23(4):364–72

Physiological and pharmacological tests in the electrocardiographic investigation of athletes: a modern approach to an old problem. Zeppilli P, et al. **J Sports Med Phys Fitness** 1983 Sep;23(3):240–52

Difference equation model of ventricular parasystole as an interaction between cardiac pacemakers based on the phase response curve. Ikeda N, et al. **J Theor Biol** 1983 Aug 7;103(3):439–65

Postexercise peril [letter] **JAMA** 1984 Jul 27;252(4):480–1

Arrhythmias associated with sinus node dysfunction. Pathogenesis, recognition, and management. Alpert MA, et al. **JAMA** 1983 Oct 28;250(16):2160–6

Effects of prostaglandins on late coronary ligation arrhythmias in the dog. Hashimoto K, et al. **Jpn J Pharmacol** 1983 Oct;33(5):1035–9

Pathophysiologic concentrations of lysophosphoglycerides quantified by electron microscopic autoradiography. Saffitz JE, et al. **Lab Invest** 1984 Mar;50(3):278–86

Bradycardia, ventricular pauses, syncope, and sports. Ector H, et al. **Lancet** 1984 Sep 15;2(8403):591–4

Basic electrophysiologic mechanisms for the development of arrhythmias. Clinical application. Gilmour RF Jr, et al. **Med Clin North Am** 1984 Jul;68(4):795–818 (106 ref.)

Arrhythmias in dilated and hypertrophic cardiomyopathy. McKenna WJ, et al. **Med Clin North Am** 1984 Jul; 68(4):983–1000 (69 ref.)

Chronic hemodialysis: high risk patients for arrhythmias? Weber H, et al. **Nephron** 1984;37(3):180–5

Patients with long Q–T syndrome: a caveat for the oral surgeon. Sandor GK, et al. **Oral Surg** 1983 Oct;56(4):357–60

Arrhythmogenic ventricles. Bharati S, et al. **PACE** 1983 Sep; 6(5 Pt 2):1035–49

Modulation of the Q–T interval by the autonomic nervous system. Browne KF, et al. **PACE** 1983 Sep;6(5 Pt 2):1050–6

Additional evidence for re-entry within the bundle branches in man. Foster JR, et al. **PACE** 1978 Oct;1(4):476–80

Late fractionated potentials and continuous electrical activity caused by electrode motion. Ideker RE, et al. **PACE** 1983 Sep;6(5 Pt 1):908–14

The sucrose gap preparation as a model of AV nodal transmission: are dual pathways necessary for reciprocation and AV nodal 'echoes'? Jalife J. **PACE** 1983 Sep;6(5 Pt 2):1106–22

Occurrence and significance of arrhythmias associated with atrial-triggered ventricular pacing. Levander-Lindgren M, et al. **PACE** 1984 Jul;7(4):628–39

Present status of clinical electrophysiologic studies: introduction—what studies are necessary. Michelson EL, et al. **PACE** 1984 May;7(3 Pt 1):421–31 (47 ref.)

Clinical instrumentation for the intra-operative mapping of

ventricular arrhythmias. Parson I, et al. **PACE** 1984 Jul; 7(4):683–92

The relationship of delayed afterdepolarizations to arrhythmias in the intact heart. Rosen MR. **PACE** 1983 Sep;6(5 Pt 2):1151–6

Influence of the autonomic nervous system on the genesis of cardiac arrhythmias. Zipes DP, et al. **PACE** 1983 Sep; 6(5 Pt 2):1210–20

Simple finite-element model accounts for wide range of cardiac dysrhythmias. Smith JM, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(1):233–7

Termination of ouabain-induced cardiac arrhythmias by anterior hypothalamic stimulation. Chinn C, et al. **Res Commun Chem Pathol Pharmacol** 1984 Feb;43(2):203–8

Blood flow in the fetal descending aorta; intrinsic factors affecting fetal blood flow, i.e. fetal breathing movements and cardiac arrhythmia. Maršál K, et al. **Ultrasound Med Biol** 1984 May–Jun;10(3):339–48

[Effects of intravenous infusion of changrolin on cardiac function of patients with arrhythmia] Shen YT, et al. **Chung Kuo Yao Li Hsueh Pao** 1983 Dec;4(4):251–3 (Eng. Abstr.) **(Chi)**

[Distribution of certain cardiac electrophysiologic parameters] Camous JP, et al. **Arch Mal Coeur** 1983 Jun; 76(6):679–86 (Eng. Abstr.) **(Fre)**

[The heart and hyperkalemia] Fauchier JP, et al. **Arch Mal Coeur** 1984 Apr;77 Spec No:23–33 (Eng. Abstr.) **(Fre)**

[Course of ventricular arrhythmias following myocardial infarction. Results of a 2-year follow-up] Medvedowsky JL, et al. **Arch Mal Coeur** 1984 Jul;77(7):754–65 (Eng. Abstr.) **(Fre)**

[Arrhythmia caused by potassium deficiency] Motté G. **Arch Mal Coeur** 1984 Apr;77 Spec No:17–22 (Eng. Abstr.) **(Fre)**

[Results of the systematic application of ventricular stimulation methods] Perrot B, et al. **Arch Mal Coeur** 1984 Mar;77(3):262–72 (Eng. Abstr.) **(Fre)**

[Significance of a supraventricular arrhythmia precipitated during an electrophysiological study] Perrot B, et al. **Arch Mal Coeur** 1984 Apr;77(4):374–85 (Eng. Abstr.) **(Fre)**

[Arrhythmias and symptoms during long-term ECG in ambulatory patients] Fischer E, et al. **Schweiz Rundsch Med Prax** 1984 Jan 17;73(3):59–65 (Eng. Abstr.) **(Ger)**

[Long-term ECG in clinical practice] Tiso B, et al. **Wien Klin Wochenschr** 1984 Jan 20;96(2):45–59 (140 ref.) (Eng. Abstr.) **(Ger)**

[Relation between late potentials, ventricular arrhythmias, left ventricular dysfunction and occlusion time following intracoronary thrombolysis] Korsukewitz J, et al. **Z Kardiol** 1983 Dec;72(12):723–9 (Eng. Abstr.) **(Ger)**

[The development of clinical electrophysiology. Indication, complications and results of 1296 invasive electrophysiologic studies from 1971 to 1981 in Düsseldorf] Seipel L, et al. **Z Kardiol** 1984 Apr;73(4):194–8 (Eng. Abstr.) **(Ger)**

[Hemodynamic modifications induced by cardiac arrhythmias] Bracchetti D, et al. **G Ital Cardiol** 1983; 13(6):498–503 **(Ita)**

[Relation between the QT interval and the severity of ventricular arrhythmias in the early phases of myocardial infarct] De Caprio L, et al. **G Ital Cardiol** 1984 Mar; 14(3):164–9 (Eng. Abstr.) **(Ita)**

[Electrophysiologic evaluation of the supraventricular hyperkinetic arrhythmias] Disertori M, et al. **G Ital Cardiol** 1983;13(6):485–91 **(Ita)**

['Critical interval of the dispersion of refractoriness' in the pathogenesis of ventricular extrasystole in the long QT syndrome] Domenichelli B. **G Ital Cardiol** 1983 Dec; 13(12):409–14 (Eng. Abstr.) **(Ita)**

[Spontaneous changes of ventricular ectopic beats in ischemic patients and subjects without other signs of cardiopathy] Gaita F, et al. **G Ital Cardiol** 1984 Apr;14(4):229–33 (Eng. Abstr.) **(Ita)**

[Electrophysiologic effects of propafenone in subjects with pre-existing excito-conduction disorders] Rizzo A, et al. **G Ital Cardiol** 1984 May;14(5):377–8 (Eng. Abstr.) **(Ita)**

[Pulsed Doppler echocardiographic observation of right and left ventricular inflow velocity patterns in various types of arrhythmia, with special reference to the mechanism of atrioventricular regurgitation] Oki T, et al. **J Cardiogr** 1983 Sep;13(3):617–31 (Eng. Abstr.) **(Jpn)**

[Recumbent arrhythmia among high school students] Ikeda H, et al. **Rinsho Byori** 1983 Sep;31(9):1040–3 **(Jpn)**

[Experimental Chagas' disease in isogenic III/J rabbits. I. Physiopathology of arrhythmia and sudden death in Chagas' disease patients] Teixeira AR, et al. **AMB** 1983 May–Jun;29(5–6):77–83 (Eng. Abstr.) **(Por)**

[Atrial conduction disorders] Boff BM, et al. **Arq Bras Cardiol** 1984 Jan;42(1):57–65 (Eng. Abstr.) **(Por)**

[Programmed transesophageal electrostimulation of the left atrium] Grigorov SS, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1983;6(2):72–7 (Eng. Abstr.) **(Rus)**

[Contractile function of the myocardium in adolescents with functional disorders of cardiac repolarization (based on echocardiographic data)] Antonova LT, et al. **Kardiologiia** 1983 Oct;23(10):106–8 **(Rus)**

[Electrical changes in experimental diastolic and mixed overloads of the right ventricle] de Micheli A, et al. **Arch Inst Cardiol Mex** 1983 Sep–Oct;53(5):387–96 (Eng. Abstr.) **(Spa)**

[Usefulness of electrophysiologic studies. Report of 224 cases] Molina L, et al. **Arch Inst Cardiol Mex** 1983 Nov–Dec; 53(6):497–506 (Eng. Abstr.) **(Spa)**

[Correlation between symptoms and complex arrhythmias using the Holter system] González Zuelgaray J, et al. **Medicina (B Aires)** 1983;43(2):181–7 (Eng. Abstr.) **(Spa)**

[Echocardiographic findings in the study of intraventricular conduction defects] Vivanco G, et al. **Rev Clin Esp** 1983 Jun 15–30;169(5–6):293–300 (Eng. Abstr.) **(Spa)**

[Evaluation of sinoatrial conduction time by the direct recording of the sinus node electrogram in man by transvenous catheterization] Rodrigo Trallero G, et al. **Rev Esp Cardiol** 1984 Jan–Feb;37(1):30–7 (Eng. Abstr.) **(Spa)**

[Evaluation of sinus function with and without pharmacological autonomic block in man] Rodrigo Trallero G, et al. **Rev Esp Cardiol** 1983;36(3):221–8 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Role of beta-adrenoreceptor antagonism in the prevention of reperfusion ventricular arrhythmias: effects of acebutolol, atenolol, and d-propranolol on isolated working rat hearts subject to myocardial ischemia and reperfusion. Rochette L, et al. **Am Heart J** 1984 Jun; 107(6):1132–41

Treatment and prophylaxis of ventricular arrhythmias in acute myocardial infarction. Campbell RW. **Am J Cardiol** 1983 Sep 22;52(6):55C–59C

Diuretic-induced hypokalemia in uncomplicated systemic hypertension: effect of plasma potassium correction on cardiac arrhythmias. Papademetriou V, et al. **Am J Cardiol** 1983 Nov 1;52(8):1017–22

Prophylactic use of lidocaine to prevent advanced ventricular arrhythmias during pulmonary artery catheterization. Prospective double-blind study. Sprung CL, et al. **Am J Med** 1983 Dec;75(6):906–10

Intravenous lignocaine in dental anaesthesia. The effect of pretreatment on the incidence of dysrhythmias. Clayton DG, et al. **Anaesthesia** 1983 Nov;38(11):1066–70

Cardiac dysrhythmia associated with general anaesthesia for oral surgery. Its prevention by the prophylactic use of an oral beta-adrenergic blocker. Hanna MH, et al. **Anaesthesia** 1983 Dec;38(12):1192–4

Lorcainide in the prophylaxis of ventricular arrhythmias in acute myocardial infarction. Leinonen H, et al. **Ann Clin Res** 1984;16(1):18–22

Beta-blocker effectiveness post infarction: an antiarrhythmic or antiischemic effect. Hjalmarson A. **Ann NY Acad Sci** 1984;427:101–11 (32 ref.)

The rationale and the role of left stellectomy for the prevention of malignant arrhythmias. Schwartz PJ. **Ann NY Acad Sci** 1984;427:199–221

Effects of diltiazem on vulnerability to atrial and ventricular reentrant arrhythmias in the normal and ischemic heart. Heuer H, et al. **Arzneimittelforsch** 1983;33(8):1113–6

Prostacyclin as an endogenous anti-arrhythmic agent [letter] Das UN. **Basic Res Cardiol** 1983 Nov–Dec;78(6):716–8

Comparison of i.v. glycopyrrolate and atropine in the prevention of bradycardia and arrhythmias following repeated doses of suxamethonium in children. Green DW, et al. **Br J Anaesth** 1984 Sep;56(9):981–5

Influence of premedication on the sympathetic and endocrine responses and cardiac arrhythmias during halothane anaesthesia in children undergoing adenoidectomy. Sigurdsson GH, et al. **Br J Anaesth** 1983 Oct;55(10):961–8

Effects of prostaglandin E2, propranolol and nitroglycerine with halothane, pethidine or pentobarbitone anaesthesia on arrhythmias and other responses to ligation of a coronary artery in rats. Au TL, et al. **Br J Pharmacol** 1983 Aug; 79(4):929–37

The effect of beta-adrenoceptor blocking agents, with differing ancillary properties, on the arrhythmias resulting from acute coronary artery ligation in anaesthetized rats. Campbell CA, et al. **Br J Pharmacol** 1983 Aug;79(4):939–46

Ventricular ectopy frequency and complexity not altered by exercise training in coronary disease patients. Laslett L, et al. **Cardiology** 1983;70(5):284–90

Suppression of ventricular ectopy with intravenous metoprolol in patients with chronic obstructive pulmonary disease. Fenster PE, et al. **Crit Care Med** 1984 Jan; 12(1):29–32

Rhythm disturbances in hypertrophic cardiomyopathies: relationship to symptoms and the effect of 'complete' beta blockade. Frank MJ, et al. **Eur Heart J** 1983 Nov;4 Suppl F:235–43

Cardioprotection with calcium antagonists by suppression of early ischaemia and reperfusion-induced arrhythmias. Parratt JR, et al. **Eur Heart J** 1983 May;4 Suppl C:49–54

Nifedipine with and without propranolol in the treatment of myocardial ischemia: effect on ventricular arrhythmias and recovery of regional wall function. Verdouw PD, et al. **Eur Heart J** 1983 May;4 Suppl C:101–8

Acute coronary artery occlusion-reperfusion arrhythmias in pigs: antiarrhythmic and antifibrillatory evaluation of verapamil, nifedipine, prenylamine and propranolol. Bergey JL, et al. **Eur J Pharmacol** 1984 Jan 13;97(1–2):95–103

Protective effects of Na salicylate against digoxin- and BaCl2-induced arrhythmias in guinea-pigs. Brasch H. **Eur J Pharmacol** 1984 Feb 17;98(2):297–301

Protective effect of metoprolol on emetine induced T wave changes in animals. Mittal SR, et al. **Int J Cardiol** 1984 Jul;6(1):82–4

Chemoprophylaxis of arrhythmias with oral disopyramide in acute myocardial infarction. Nigam P, et al. **J Assoc Physicians India** 1983 Dec;31(12):759–62

Effect of oral disopyramide on mortality and extension of infarction in cases of acute myocardial infarction admitted to open wards. Sharma BD, et al. **J Assoc Physicians India** 1983 Mar;31(3):149–51

The effects of nafazatrom on arrhythmias and prostanoid release during coronary artery occlusion and reperfusion in anaesthetized greyhounds. Coker SJ, et al. **J Mol Cell Cardiol** 1984 Jan;16(1):43–52

Antiarrhythmic and antifibrillatory actions of the beta adrenergic receptor antagonist, dl-sotalol. Patterson E, et al. **J Pharmacol Exp Ther** 1984 Aug;230(2):519–26

Supraventricular arrhythmias following coronary artery bypass. The effect of preoperative digitalis. Parker FB Jr, et al. **J Thorac Cardiovasc Surg** 1983 Oct;86(4):594–600

Creatine phosphate: an additive myocardial protective and antiarrhythmic agent in cardioplegia. Robinson LA, et al. **J Thorac Cardiovasc Surg** 1984 Feb;87(2):190–200

The prevention of cardiac arrhythmias produced in an animal model by the topical application of a phenol preparation in common use for face peeling. Wexler MR, et al. **Plast Reconstr Surg** 1984 Apr;73(4):595–8

[Magnesium and arrhythmia] Maurat JP. **Arch Mal Coeur** 1984 Apr;77 Spec No:49–52 (Eng. Abstr.) **(Fre)**

[Lorcainide in the prevention of ventricular arrhythmias in myocardial infarct] Menghetti L, et al. **Minerva Cardioangiol** 1983 Nov;31(11):663–70 (Eng. Abstr.) **(Ita)**

[The role of prophylactic implantation of permanent electrode at cardiac surgery] Ozeki M, et al. **Rinsho Kyobu Geka** 1984 Jan;4(1):14–8 (Eng. Abstr.) **(Jpn)**

[Value of lidocaine in the prevention of ventricular arrhythmias in the acute phase of myocardial infarct] Solimene MC, et al. **Arq Bras Cardiol** 1983 Jun;40(6):377–81 (Eng. Abstr.) **(Por)**

[Effect of different combinations of exogenous higher fatty acids on cardiac function during coronary ischemia and reperfusion] Litvitskiĭ PF, et al. **Biull Eksp Biol Med** 1984 Feb;97(2):145–9 (Eng. Abstr.) **(Rus)**

[Prevention of disorders of myocardial contractile function under stress by the preliminary adaptation of animals to physical load] Meerson FZ, et al. **Kardiologiia** 1984 Jun; 24(6):19–23 (Eng. Abstr.) **(Rus)**

[Value and methods of temporary stimulation of the heart to prevent dangerous arrhythmias] Pekarskiĭ VV, et al. **Kardiologiia** 1984 May;24(5):13–7 (Eng. Abstr.) **(Rus)**

[Ionol as a drug for the prevention of cardiotoxic effect of antitubercular agents] Iakovleva TA, et al. **Probl Tuberk** 1984 Jan;(1):53–8 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

The relationship between stressful life events and electrocardiogram abnormalities. Haughey BP, et al. **Heart Lung** 1984 Jul;13(4):405–10

Psychiatric symptoms, type A behavior, and arrhythmias following coronary bypass. Freeman AM 3d, et al. **Psychosomatics** 1984 Aug;25(8):586–9

[Standardized psychological stress test for the provocation of tachycardial ventricular arrhythmias. Comparison with long-term ECG and stress ECG] Andresen D, et al. **Dtsch Med Wochenschr** 1984 Apr 6;109(14):532–6 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

Quantification of cardiac conduction abnormalities using segmental vector Fourier analysis of radionuclide gated blood pool scans. Machac J, et al. **J Am Coll Cardiol** 1983 Dec;2(6):1099–106

Quantification of segmental wall motion by length-based Fourier analysis. Nakajima K, et al. **J Nucl Med** 1984 Aug; 25(8):917–21

Focal left ventricular dyskinesis. Winzelberg GG. **Semin Nucl Med** 1984 Apr;14(2):141–2

[Use of parametric scintigraphy in the diagnosis of regional disorders of left-ventricular myocardial contraction] Tarkowska A, et al. **Pol Przegl Radiol (Warszawa)** 1983 Mar–Apr;47(2):115–9 (Eng. Abstr.) **(Pol)**

SURGERY

Operative therapy of malignant ventricular rhythm disturbances. Moran JM, et al. **Ann Surg** 1983 Oct; 198(4):479–86

Coronary artery bypass surgery in a patient with symptomatic ventricular arrhythmia [letter] Lloyd EA. **S Afr Med J** 1984 Jun 30;65(26):1035–6

[Surgically correctable complications of myocardial infarct] Schmidt-Habelmann P, et al. **Schweiz Med Wochenschr** 1984 Mar 31;114(13):426–30 (Eng. Abstr.) **(Ger)**

[Directed surgical treatment of cardiac arrhythmias (editorial)] Barbero-Marcial M, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1983 Jan–Feb;38(1):1–2 **(Por)**

THERAPY

Cardiac pacemakers: current concepts. Haider R, et al. **Am Fam Physician** 1984 May;29(5):223–8
Bradycardia and asystole requiring permanent pacemaker in Guillain–Barré syndrome. Narayan D, et al. **Am Heart J** 1984 Aug;108(2):426–8
Transesophageal atrial pacing threshold: role of interelectrode spacing, pulse width and catheter insertion depth. Benson DW Jr, et al. **Am J Cardiol** 1984 Jan 1; 53(1):63–7
Antiarrhythmic treatment: an overview. Bigger JT Jr. **Am J Cardiol** 1984 Feb 27;53(5):8B–16B (72 ref.)
Successful use of emergency transthoracic pacing in bradyasystolic cardiac arrest. Roberts JR, et al. **Ann Emerg Med** 1984 Apr;13(4):277–83
Immediate countershock treatment of asystole. Thompson BM, et al. **Ann Emerg Med** 1984 Sep;13(9 Pt 2):827–9
Pacemakers for prehospital bradyasystolic arrest [letter] White JD. **Ann Emerg Med** 1984 Sep;13(9 Pt 1):748–9
Catheter ablation of arrhythmias. Josephson ME. **Ann Intern Med** 1984 Aug;101(2):234–7 (19 ref.)
Treatment of patients with life–threatening cardiac arrhythmias. Zipes DP, et al. **Ann NY Acad Sci** 1984; 427:307–18 (71 ref.)
The treatment of malignant ventricular arrhythmias with combined endocardial resection and implantation of the automatic defibrillator: preliminary report. Watkins L Jr, et al. **Ann Thorac Surg** 1984 Jan;37(1):60–6
Cardiac pacing. Horgan JH. **Br Med J [Clin Res]** 1984 Jun 30;288(6435):1942–4 (27 ref.)
Atrial demand and AV sequential pacemakers. Castellanos A, et al. **Cardiovasc Clin** 1983;14(2):149–64 (37 ref.)
Cardiac pacing in children. Gillette PC, et al. **Cardiovasc Clin** 1983;14(2):209–26
Programmable pacemakers: technical features and clinical applications. Harthorne JW. **Cardiovasc Clin** 1983; 14(2):135–47 (20 ref.)
Drugs and pacemaker therapy. Horowitz LN. **Cardiovasc Clin** 1983;14(2):177–87 (26 ref.)
Pacemaker technology: pacing leads. Ohm OJ. **Cardiovasc Clin** 1983;14(2):247–64 (74 ref.)
Application of atrial pacing wires; an easy approach [letter] Pelias AJ, et al. **Chest** 1983 Nov;84(5):648
Guidelines for permanent cardiac pacemaker implantation, May 1984. A report of the Joint American College of Cardiology/American Heart Association Task Force on Assessment of Cardiovascular Procedures (Subcommittee on Pacemaker Implantation). Frye R, et al. **Circulation** 1984 Aug;70(2):331A–339A
A device to select the optimal time to replace the pacemaker activated by a lithium–iodine battery: results of 8 years of experience. Rossi P, et al. **Eur Heart J** 1983 Jun; 4(6):434–8
Oscillating concepts in arrhythmia research; a personal account. Moe GK. **Int J Cardiol** 1984 Jan;5(1):109–13
Self–adhesive preapplied electrode pads for defibrillation and cardioversion. Kerber RE, et al. **J Am Coll Cardiol** 1984 Mar;3(3):815–20
Effects of energy delivery via a His bundle catheter during closed chest ablation of the atrioventricular conduction system. Trantham JL, et al. **J Clin Invest** 1983 Nov; 72(5):1563–74
Physiological cardiac pacing. Tocker AM, et al. **J Kans Med Soc** 1984 Jun;85(6):160–3, 175–6
Reversal of lethal digoxin toxicity in guinea pigs using monoclonal antibodies and Fab fragments. Lechat P, et al. **J Pharmacol Exp Ther** 1984 Apr;229(1):210–3
Endocavitary ablation for arrhythmia control [editorial] **Lancet** 1984 Jun 9;1(8389):1276–8
Catheter ablation of atrioventricular conduction. Nathan AW, et al. **Lancet** 1984 Jun 9;1(8389):1280–4
Electrical therapy of cardiac arrhythmias [editorial] Zipes DP. **N Engl J Med** 1983 Nov 10;309(19):1179–80
Cardiac arrhythmias following an open heart surgery for atrial septal defect, treated successfully with temporal emergency pacing. Nakagawa A, et al. **Nippon Geka Hokan** 1983 Sep 1;52(5):703–9
Implant experience with unipolar polyurethane pacing leads. Byrd CL, et al. **PACE** 1983 Sep;6(5 Pt 1):869–82
Rate responsive pacing using the evoked QT principle. A physiological alternative to atrial synchronous pacemakers. Donaldson RM, et al. **PACE** 1983 Nov;6(6):1344–9
Treatment of life–threatening ventricular arrhythmias by a combination of antiarrhythmic drugs and right ventricular pacing. Ector H, et al. **PACE** 1984 Jul;7(4):622–7
Polyurethane leads. Furman S. **PACE** 1983 Sep;6(5 Pt 1):833
Effect of the antiarrhythmic agent flecainide acetate on acute and chronic pacing thresholds. Hellestrand KJ, et al. **PACE** 1983 Sep;6(5 Pt 1):892–9
Comparison of lead complications with polyurethane tined, silicone rubber tined, and wedge tip leads: clinical experience with 822 ventricular endocardial lads. Kertes P, et al. **PACE** 1983 Sep;6(5 Pt 1):957–62
One turn more: threshold superiority of 3–turn versus 2–turn screw–in myocardial electrodes. Korhonen U, et al. **PACE** 1984 Jul;7(4):678–82
Unnecessary pacemaker implantation [letter] Kowey PR. **PACE** 1983 Sep;6(5 Pt 1):982–3
Clinical problems in atrial synchronous ventricular inhibited pacing: a long–term follow–up of 54 patients. Kristensson BE, et al. **PACE** 1984 Jul;7(4):693–701
A new transvenous lead for both atrial and ventricular pacing. Kruse I, et al. **PACE** 1983 Sep;6(5 Pt 1):953–6
The role of rate hysteresis pacing in the hypersensitive carotid sinus syndrome. Morley CA, et al. **PACE** 1983 Nov; 6(6):1224–8
Management of arrhythmias due to accessory conduction pathways. Tonkin AM. **PACE** 1978 Oct;1(4):481–97 (94 ref.)
Responses of an AV universal (DDD) pulse generator (Cordis 233D) to programmed single ventricular extrastimuli. van Mechelen R, et al. **PACE** 1984 Mar; 7(2):215–26
Cardiac arrhythmias. Emergency management. Brent BN. **Postgrad Med** 1983 Dec;74(6):56, 58–60, 63 passim
Aggressive management of ventricular arrhythmias. With newer techniques to predict drug efficacy. Wells GA. **Postgrad Med** 1983 Nov;74(5):145–51
Approach to patients with ventricular ectopy. Grauer K. **South Med J** 1983 Oct;76(10):1285–9
Pacemakers in noncardiac surgery. O'Neill MJ Jr, et al. **Surg Clin North Am** 1983 Oct;63(5):1103–12 (37 ref.)
[Indication for cardiac pacing] Song GY. **Chung Hua I Hsueh Tsa Chih** 1983 Apr;63(4):200–2 **(Chi)**
[Problem of hemodynamics in programmed so–called physiological cardiac stimulation] Kučera M, et al. **Sb Lek** 1984 Apr;86(4):97–102 (Eng. Abstr.) **(Cze)**
[Preliminary experience with the Vitatron DPG 1 cardiostimulator] Káňa A, et al. **Vnitr Lek** 1984 Apr; 30(4):344–50 (Eng. Abstr.) **(Cze)**
[The value of temporary electrosystolic pacing for treating low output in posterior necrosis with adiastole] Beaufils P, et al. **Arch Mal Coeur** 1983 Oct;76(10):1187–93 (Eng. Abstr.) **(Fre)**
[Future of pacemakers] Fontaine G. **Arch Mal Coeur** 1983 Jun;76(6):641–2 **(Fre)**
[Isotope cardiac stimulation and pregnancy. Apropos of 25 cases] Laurens P, et al. **Arch Mal Coeur** 1983 Jun; 76(6):733–8 (Eng. Abstr.) **(Fre)**
[Therapeutic vade mecum of cardiac arrhythmias] Demoulin JC. **Rev Med Liege** 1984 Jan 1;39(1):1–13 **(Fre)**
[Transvenous electric ablation of the AV conduction system] Seipel L, et al. **Dtsch Med Wochenschr** 1984 Aug 31; 109(35):1329–31 (19 ref.) **(Ger)**
[Emergency treatment of arrhythmias in neonates and infants] Weber H, et al. **Monatsschr Kinderheilkd** 1983 Nov; 131(11):779–83 (Eng. Abstr.) **(Ger)**
[The treatment of arrhythmias in the clinic] Kappenberger L. **Schweiz Rundsch Med Prax** 1984 Jan 17;73(3):81–3 (Eng. Abstr.) **(Ger)**
[The treatment of arrhythmias from the viewpoint of private practice] Kaufmann G. **Schweiz Rundsch Med Prax** 1984 Jan 17;73(3):85–8 (Eng. Abstr.) **(Ger)**
[Modification of nocturnal heart rhythm disorders using oxygen therapy in patients with chronic obstructive lung disease] Rühle KH, et al. **Z Kardiol** 1983 Oct;72(10):604–8 (Eng. Abstr.) **(Ger)**
[Specific pacemaker therapy. Hemodynamic principles] Bergbauer M. **ZFA (Stuttgart)** 1983 Jul 20;59(20):1117–21 **(Ger)**
[Advances and contradictions in pacemaker therapy of arrhythmias] Solti F, et al. **Orv Hetil** 1984 Jul 29; 125(31):1871–4 (Eng. Abstr.) **(Hun)**
[Electric therapy of ventricular hyperkinetic arrhythmias in patients with acute myocardial infarct associated with a defect of conduction subjected to temporary stimulation] Buttafarro A, et al. **Boll Soc Ital Cardiol** 1982 Oct; 27(10):991–6 (Eng. Abstr.) **(Ita)**
[Methods of alternatives to drugs in antiarrhythmia therapy] Critelli G, et al. **Boll Soc Ital Cardiol** 1983 Mar; 28(3):185–200 (66 ref.) **(Ita)**
[New diagnostic and therapeutic directions in the limb revascularization syndrome] Mascoli F, et al. **Minerva Cardioangiol** 1984 Mar;32(3):105–8 (Eng. Abstr.) **(Ita)**
[Treatment of arrhythmia] Mashiba H. **Nippon Naika Gakkai Zasshi** 1983 Jun;72(6):737–41 **(Jpn)**
[Preliminary evaluation of the usefulness of programmed pacemakers] Aroński A, et al. **Kardiol Pol** 1983; 26(11–12):847–56 (Eng. Abstr.) **(Pol)**
[Effect of construction of the endocavitary electrode on the increase of the stimulation threshold observed in the early postoperative period] Szczepkowski J. **Kardiol Pol** 1984; 27(3):199–206 (Eng. Abstr.) **(Pol)**
[Our observations on the treatment of arrhythmia in the postoperative period after direct revascularization of the myocardium] Iwaszkiewicz A, et al. **Pol Tyg Lek** 1983 Apr 11;38(15):453–6 (Eng. Abstr.) **(Pol)**
[Current concept of therapy of critical cardiac states. Experience of the Timisoara Medical Clinic I with 3,918 patients hospitalized 1971–1980] Luca C, et al. **Rev Med Interna [Med Interna]** 1983 Jul–Aug;35(4):321–32 **(Rum)**
[Physiological electric stimulation of the heart] Bredikis IuIu, et al. **Kardiologiia** 1983 Sep;23(9):114–8 (64 ref.) **(Rus)**
[Hyperbaric oxygenation in paroxysmal and extrasystolic disorders of cardiac rhythm] Golikov AP, et al. **Kardiologiia** 1983 Jul;23(7):35–9 (Eng. Abstr.) **(Rus)**
[Electric stimulation of the heart: current state and perspectives of its development] Martynov IV, et al. **Klin Med (Mosk)** 1984 May;62(5):5–9 **(Rus)**
[Influence of treatment with amiodarone in response to electric cardioversion in patients with complete arrhythmia caused by auricular fibrillation] del Río Ligorit A, et al. **Med Clin (Barc)** 1983 Nov 5;81(14):618–20 (Eng. Abstr.) **(Spa)**

VETERINARY

Arrhythmogenicity of dopamine, dobutamine, and epinephrine in thiamylal–halothane anesthetized dogs. Bednarski RM, et al. **Am J Vet Res** 1983 Dec;44(12):2341–3
Premature ventricular contractions [letter] LeMay MA. **J Am Vet Med Assoc** 1984 Jun 1;184(11):1316, 1318
Treatment of cardiac arrhythmias in dogs with gastric distention–volvulus. Muir WW, et al. **J Am Vet Med Assoc** 1984 Jun 1;184(11):1366–71
Relationships of left side systolic time intervals to beat–by–beat heart rate and blood pressure variables in some cardiac arrhythmias of the horse. Miller PJ, et al. **Res Vet Sci** 1984 Jul;37(1):18–25
Effect of cardiac arrhythmia on left ventricular and aortic blood pressure parameters in the horse. Miller PJ, et al. **Res Vet Sci** 1983 Sep;35(2):190–9
Transtelephonic analysis of cardiac arrhythmias in the dog. Diagnostic accuracy. Tilley LP. **Vet Clin North Am [Small Anim Pract]** 1983 May; 13(2):395–408

ARRHYTHMIA, SINUS

[Mathematical model of the sinus rhythm of the heart] Kuterman EM, et al. **Kardiologiia** 1984 May;24(5):68–73 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Persistent sinus node dysfunction secondary to lithium therapy. Palileo EV, et al. **Am Heart J** 1983 Dec; 106(6):1443–4
Significant sinus bradycardia following intravenous lidocaine injection. Demczuk RJ. **Anesthesiology** 1984 Jan; 60(1):69–70

DIAGNOSIS

Sinus node dysfunction in a healthy pediatric population. Roifman C, et al. **Isr J Med Sci** 1984 Jun;20(6):497–500
Electrocardiogram of the month. Sinus arrhythmia. Davis JL, et al. **J Arkansas Med Soc** 1984 Feb;80(9):398, 403
EKG of the month. Sinus arrhythmia. Campbell WB. **J Tenn Med Assoc** 1983 Aug;76(8):530–1
[Pediatric electrocardiography. Sinus arrhythmia] Villavicencio R. **Bol Asoc Med PR** 1984 Jun;76(6):268–9 **(Spa)**

DRUG THERAPY

The antiarrhythmic effects of controlled release disopyramide phosphate and long acting propranolol in patients with ventricular arrhythmias. Fechter P, et al. **Eur J Clin Pharmacol** 1983;25(6):729–34
[Pharmacological treatment of supraventricular hyperkinetic arrhythmia in sinus node disease: an alternative to electric treatment] Pagnoni F, et al. **G Ital Cardiol** 1983; 13(5):408–11 **(Ita)**
[Effect of disopyramide on the bundle of His conduction] Walczak F, et al. **Pol Tyg Lek** 1983 Dec 19–26; 38(51–52):1649–52 (Eng. Abstr.) **(Pol)**

ETIOLOGY

Acute sinus arrhythmia during surgery in the fourth ventricle: an indicator of brain–stem irritation. Drummond JC, et al. **Anesthesiology** 1984 Mar;60(3):232–5
Sinus node dysfunction in acute myocardial infarction and acute coronary insufficiency. Maor N, et al. **Isr J Med Sci** 1984 Jan;20(1):63–5

PHYSIOPATHOLOGY

Alternate long and short coupling intervals in ventricular extrasystolic bigeminy. Kinoshita S, et al. **Am Heart J** 1983 Dec;106(6):1444–6
Spectral analysis of fetal heart rate in sheep: the occurrence of respiratory sinus arrhythmia. Donchin Y, et al. **Am J Obstet Gynecol** 1984 Apr 15;148(8):1130–5
Changing P waves after mitral valve replacement. Hancock EW. **Hosp Pract** 1983 Oct;18(10):127, 130–1
Spontaneous conversion of long standing atrial fibrillation to sinus rhythm—an unusual pre–terminal phenomenon. Kaul U, et al. **Indian Heart J** 1983 Jul–Aug;35(4):241–4
The values and limitations of deductive analysis and electrophysiological testing in patients with sinoatrial arrhythmias. Schweitzer P, et al. **PACE** 1984 May;7(3 Pt 1):403–20 (89 ref.)
The respiratory sinus arrhythmia: a measure of cardiac age. Hrushesky WJ, et al. **Science** 1984 Jun 1;224(4652):1001–4
[Comparison of the extrastimulus method and sinus node potential recording in 44 patients] Juillard A, et al. **Arch Mal Coeur** 1983 Aug;76(8):864–71 (Eng. Abstr.) **(Fre)**
[Sinus node dysfunction in acute myocardial infarction (editorial)] Maor N, et al. **Harefuah** 1983 Oct 2;105(7):193–4 **(Heb)**

THERAPY

Autonomic sinus node dysfunction and its treatment. Szatmáry L, et al. **Acta Cardiol (Brux)** 1984;39(3):209–20

Endocardial pacing in a patient with sinus node dysfunction and absent right superior vena cava. Ramsdale DR, et al. **Br Heart J** 1984 Aug;52(2):230–2

Severe digoxin intoxication in a child treated by infusion of digoxin-specific Fab-antibody-fragments. Rossi R, et al. **Eur J Pediatr** 1984 Jun;142(2):138–40

Rate hysteresis pacing: how valuable is it? A comparison of the stimulation rates of 70 and 50 beats per minute and rate hysteresis in patients with sinus node disease. Rosenqvist M, et al. **PACE** 1984 May;7(3 Pt 1):332–40

VETERINARY

Right bundle branch block in a dog with sinus tachycardia. Moise S. **J Am Vet Med Assoc** 1984 Jun 15;184(12):1458–9

ARSANILIC ACID see under **ARSENICALS**

ARSENAMIDE see under **ARSENICALS**

ARSENATES see under **ARSENIC**

ARSENAZO III see under **AZO COMPOUNDS**

ARSENIC

Carcinogenesis tests of nickel arsenides, nickel antimonide, and nickel telluride in rats. Sunderman FW Jr, et al. **Cancer Invest** 1983;1(6):469–74

Lead and arsenic levels in wines produced from vineyards where lead arsenate sprays are used for caterpillar control. Handson PD. **J Sci Food Agric** 1984 Feb;35(2):215–8

[Ultrastructural studies of cancer promoting effects of arsenic] Hattori K. **Nippon Hifuka Gakkai Zasshi** 1983 May;93(6):659–69 **(Jpn)**

ADVERSE EFFECTS

The pathogenesis of cutaneous malignant melanoma [letter] Philipp R, et al. **Br Med J [Clin Res]** 1984 Jan 21; 288(6412):237

Malignant melanoma incidence and association with arsenic. Philipp R, et al. **Bristol Med Chir J** 1983 Oct;98(368):165–9

Small cell lung carcinoma and Bowen's disease 40 years after arsenic ingestion. Heddle R, et al. **Chest** 1983 Dec; 84(6):776–7

Role of epidemiologic studies in deriving drinking water standards for metals. Calabrese EJ. **Environ Health Perspect** 1983 Oct;52:99–106

[Angiosarcoma of the liver after short-term arsenic therapy] Kádas I, et al. **Morphol Igazsagugyi Orv Sz** 1984 Apr; 24(2):136–40 (Eng. Abstr.) **(Hun)**

[Hazards of arsenous anhydride in dental chemical devitalization. Apropos of a clinical case] Portugal C. **Rev Port Estomatol Cir Maxilofac** 1982 Jan–Mar; 23(1):123–9 **(Por)**

ANALYSIS

Simultaneous determination of arsenic, antimony, and selenium in marine samples by inductively coupled plasma atomic emission spectrometry. de Oliveira E, et al. **Anal Chem** 1983 Nov;55(13):2047–50

Spectrophotometric determination of arsenic in biological tissues and sediments after digestion with nitric, sulphuric and perchloric acids and pre-concentration by zinc column arsine generation and trapping. Maher WA. **Analyst** 1983 Aug;108(1289):939–43

Concentration and chemical species of arsenic in human tissue. Yamauchi H, et al. **Bull Environ Contam Toxicol** 1983 Sep;31(3):267–70

Analysis of arsenic in forensic cases utilizing a rapid, non-ashing technique and furnace atomic absorption. Solomons ET, et al. **J Anal Toxicol** 1983 Sep–Oct; 7(5):220–2

An improved wet digestion procedure for the analysis of total arsenic in biological samples by direct hydride atomic absorption spectrophotometry. Webb DR, et al. **J Anal Toxicol** 1984 May–Jun;8(3):118–23

Lead and arsenic levels in wines produced from vineyards where lead arsenate sprays are used for caterpillar control. Handson PD. **J Sci Food Agric** 1984 Feb;35(2):215–8

[Coulometric microtitration of arsenic in crab eggs] Pang GF. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1984 Jan; 18(1):50–2 **(Chi)**

[Detection of arsenic trioxide in Niuhuang Jiedu tablet] Deng Q. **Chung Yao Tung Pao** 1983 Jan;8(1):19–20 **(Chi)**

[Quantitative determination of toxic elements in microbiologically produced technical protein feeds. 3. Photometric determination of trace amounts of arsenic using silver diethyldithiocarbamate and the atomic absorption spectrometry-hydride technic] Wittig H, et al. **Nahrung** 1984;28(2):191–8 (Eng. Abstr.) **(Ger)**

[Measurements of iron, lead, arsenic and selenium concentration in respirable and nonrespirable fractions of Berlin urban aerosols] Lieback JU, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Jan; 177(1–2):37–56 (Eng. Abstr.) **(Ger)**

[Determination of iron, zinc, tin, copper, lead and arsenic levels in beer by atomic-absorption spectrophotometry] Kędzierski B. **Rocz Panstw Zakl Hig** 1983;34(4):369–75 (Eng. Abstr.) **(Pol)**

ANTAGONISTS & INHIBITORS

Evaluation of the effect of BAL (2,3-dimercaptopropanol) on arsenite-induced teratogenesis in mice. Hood RD, et al. **Toxicol Appl Pharmacol** 1984 Mar 30;73(1):1–7

DEFICIENCY

Effects of As-deficiency on skeletal muscle, myocardium and liver. A histochemical and ultrastructural study. Schmidt A, et al. **Exp Pathol** 1984;25(4):195–7

METABOLISM

Embryotoxicity of arsenite and arsenate: distribution in pregnant mice and monkeys and effects on embryonic cells in vitro. Lindgren A, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Apr;54(4):311–20

Metabolism and renal handling of sodium arsenate in dogs. Tsukamoto H, et al. **Am J Vet Res** 1983 Dec;44(12):2331–5

The wood preservative chromated copper arsenate is a substrate for trimethylarsine biosynthesis. Cullen WR, et al. **Appl Environ Microbiol** 1984 Feb;47(2):443–4

Direct relationship between arsenate active transport and phospholipid turnover in yeasts. Llerenas E. **Bol Estud Med Biol** 1983 Jan–Apr;32(5–6):217–23

Measuring the elimination of arsenic by the gills of rainbow trout (Salmo gairdneri) by using a two compartment respirometer. Oladimeji AA, et al. **Bull Environ Contam Toxicol** 1984 Jun;32(6):661–8

The effect of methyltransferase inhibition on the metabolism of [74As]arsenite in mice and rabbits. Marafante E, et al. **Chem Biol Interact** 1984 Jun;50(1):49–57

Intracellular interaction and metabolic fate of arsenite and arsenate in mice and rabbits. Vahter M, et al. **Chem Biol Interact** 1983 Oct 15;47(1):29–44

In vivo reduction of arsenate in mice and rabbits. Vahter M, et al. **Environ Res** 1983 Oct;32(1):14–24

The metabolism of arsenite and arsenate by the rat. Lerman S, et al. **Fundam Appl Toxicol** 1983 Jul–Aug;3(4):309–14

Brain arsenic concentrations in fulminant hepatitis. Narang AP, et al. **J Assoc Physicians India** 1983 Aug;31(8):518–9

113Cd NMR. Arsenate binding to Cd(II) alkaline phosphatase. Gettins P, et al. **J Biol Chem** 1984 Apr 25; 259(8):4987–90

Effects of dimercaprol or thioctic acid on the distribution and excretion of Na374AsO3 injected subcutaneously in rats. Tsutsumi S, et al. **J Toxicol Sci** 1983 Aug;8(3):197–203

The speciation of the chemical forms of arsenic in the biological monitoring of exposure to inorganic arsenic. Foà V, et al. **Sci Total Environ** 1984 Mar 15;34(3):241–59

Metabolism of arsenocholine in mice, rats and rabbits. Marafante E, et al. **Sci Total Environ** 1984 Mar 15; 34(3):223–40

Arsenic metabolites in urine and feces of hamsters pretreated with PCB. Inamasu T. **Toxicol Appl Pharmacol** 1983 Oct; 71(1):142–52

Hepatic arsenic in non-cirrhotic portal fibrosis [letter] Koshy A, et al. **Toxicol Lett** 1983 Oct–Nov;19(1–2):201

PHARMACODYNAMICS

Homology among arsenate resistance determinants of R factors in Escherichia coli. Mobley HL, et al. **Antimicrob Agents Chemother** 1984 Feb;25(2):157–61

The inhibition of acetylcholinesterase by arsenite and fluoride. Page JD, et al. **Arch Biochem Biophys** 1983 Oct 15;226(2):492–7

Induction of a 'stress' protein in intact mammalian organs after the intravenous administration of sodium arsenite. Brown IR, et al. **Biochem Biophys Res Commun** 1984 Apr 16;120(1):150–5

Correlation between structure of polyoxotungstates and their inhibitory activity on polymerases. Herve M, et al. **Biochem Biophys Res Commun** 1983 Oct 14;116(1):222–9

Arsenite-induced changes in methylation of the 70,000 dalton heat shock proteins in chicken embryo fibroblasts. Wang C, et al. **Biochem Biophys Res Commun** 1984 Mar 15; 119(2):735–43

Cloning and expression of R-factor mediated arsenate resistance in Escherichia coli. Mobley HL, et al. **MGG** 1983;191(3):421–6

Arsenic-induced exencephaly in the mouse and associated lesions occurring during neurulation. Morrissey RE, et al. **Teratology** 1983 Dec;28(3):399–411

Isolation and biological properties of arsenate-resistant strains of Streptomyces noursei. Friedrich W, et al. **Z Allg Mikrobiol** 1984;24(1):13–9

ATP levels in phosphate-deregulated and arsenate-resistant mutants of Streptomyces noursei. Hänel F, et al. **Z Allg Mikrobiol** 1984;24(4):239–45

[Arsenic trioxide inhibition of the thiophosphamide induction of mutations in mouse germ and somatic cells] Pashin IuV, et al. **Genetika (Moskva)** 1984 Feb;20(2):365–6 (Eng. Abstr.) **(Rus)**

POISONING

Erythroid karyorrhexis in the peripheral blood smear in severe arsenic poisoning: a comparison with lead poisoning. Eichner ER. **Am J Clin Pathol** 1984 Apr;81(4):533–7

Chronic arsenic poisoning in opium addicts in Sri Lanka. Balachandra AT, et al. **Ceylon Med J** 1983 Mar;28(1):29–34

Contaminated opium as a source of chronic arsenic poisoning in Sri Lanka. Jayasinghe KS, et al. **Ceylon Med J** 1983 Mar;28(1):22–7

Arsenic and copper excretion after treatment of arsenic poisoning in rats with heavy-metal antagonists. Maehashi H, et al. **Dev Toxicol Environ Sci** 1983;11:325–8

DMSA, DMPS, and DMPA—as arsenic antidotes. Aposhian HV, et al. **Fundam Appl Toxicol** 1984 Apr;4(2 Pt 2):S58–70

Blackfoot disease and chronic arsenism in southern Taiwan. Yu HS. **Int J Dermatol** 1984 May;23(4):258–60

Dermatitis in a dog associated with exposure to an arsenic compound. Evinger JV, et al. **J Am Vet Med Assoc** 1984 May 15;184(10):1281–2

Death by arsenic: a comparative evaluation of exhumed body tissues in the presence of external contamination. Pirl JN, et al. **J Anal Toxicol** 1983 Sep–Oct;7(5):216–9

Chronic arsenic poisoning from tube-well water. Garai R, et al. **J Indian Med Assoc** 1984 Jan;82(1):34–5

Chronic cutaneous arsenism treated with aromatic retinoid. Thianprasit M. **J Med Assoc Thai** 1984 Feb;67(2):93–100

Poisoning in cattle hand sprayed with an arsenical dip. Bradley J. **J S Afr Vet Assoc** 1983 Jun;54(2):138

Seasonal arsenic exposure from burning chromium-copper-arsenate-treated wood. Peters HA, et al. **JAMA** 1984 May 11;251(18):2393–6

Nonfatal arsenic poisoning in three Hmong patients—Minnesota. **MMWR** 1984 Jun 22;33(24):347–9

Gee, honey, why does the iced tea have a garlic taste? Arsenic intoxication. Mack RB. **NC Med J** 1983 Nov; 44(11):753–5

Arsenic: homicidal intoxication. Massey EW, et al. **South Med J** 1984 Jul;77(7):848–51

Chronic arsenic poisoning [letter] Kunin RA. **West J Med** 1983 Nov;139(5):714–5

Chronic arsenic poisoning masquerading as pernicious anemia. Selzer PM, et al. **West J Med** 1983 Aug; 139(2):219–20

[Arsenic poisoning caused by arsenic-contaminated drinking water from a phosphate fertilizer plant] Chen KT, et al. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1983 Nov; 17(6):355–6 (Eng. Abstr.) **(Chi)**

[Chronic arsenic poisoning from the viewpoint of the dermatologist] Hums R. **Dermatol Monatsschr** 1983; 169(12):765–75 (Eng. Abstr.) **(Ger)**

[Arsin (AsH3) poisoning: hemolysis and kidney failure] Rogge H, et al. **Dtsch Med Wochenschr** 1983 Nov 11; 108(45):1720–5 (Eng. Abstr.) **(Ger)**

[Neurotoxic occupational substances: I. Metals and their compounds. A literature review of the years 1970 to 1982] Triebig G, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Jan;177(1–2):11–36 (129 ref.) (Eng. Abstr.) **(Ger)**

[The illness and death of Gábor Bethlen] Szilágyi I. **Orv Hetil** 1984 May 13;125(20):1205–10 **(Hun)**

[Basal cell epithelioma of the vulva in chronic endemic regional arsenic poisoning] Cabrera HN, et al. **Med Cutan Iber Lat Am** 1984;12(2):81–5 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

Morphologic changes in epidermis of PUVA-treated patients with psoriasis with or without a history of arsenic therapy. Niemi KM, et al. **Arch Dermatol** 1983 Nov;119(11):904–9

TOXICITY

Nephrotoxicity of sodium arsenate in dogs. Tsukamoto H, et al. **Am J Vet Res** 1983 Dec;44(12):2324–30

Long-term effects of arsenic accumulation in rainbow trout, Salmo gairdneri. Oladimeji AA, et al. **Bull Environ Contam Toxicol** 1984 Jun;32(6):732–41

Tumorigenicity of arsenic trioxide to the lung in Syrian golden hamsters by intermittent instillations. Ishinishi N, et al. **Cancer Lett** 1983 Dec;21(2):141–7

Arsenic-induced cellular and biochemical changes during the testicular cycle of a freshwater perch, Colisa fasciatus (Bl. & Sch.). Shukla JP, et al. **Cell Mol Biol** 1984;30(3):227–31

Carcinomas of the respiratory tract in hamsters given arsenic trioxide and/or benzo[a]pyrene by the pulmonary route. Pershagen G, et al. **Environ Res** 1984 Aug;34(2):227–41

Effect of inorganic arsenics on cytotoxicity and mutagenicity of ultraviolet light on Escherichia coli and the mechanism involved. Okada S, et al. **J Pharmacobiodyn** 1983 Jul; 6(7):496–504

N-(2,3-dimercaptopropyl)phthalamidic acid: protection, in vivo and in vitro, against arsenic intoxication. Stine ER, et al. **Toxicol Appl Pharmacol** 1984 Sep 15;75(2):329–36

Impaired spermatogenesis in arsenic treated freshwater fish, Colisa fasciatus (Bl. and Sch.). Shukla JP, et al. **Toxicol Lett** 1984 May;21(2):191–5

Impaired ovarian functions in arsenic-treated freshwater fish, Colisa fasciatus (bl. and sch.). Shukla JP, et al. **Toxicol Lett** 1984 Jan;20(1):1–3

[Degree of exposure to arsenic compounds of workers in zinc smelteries] Braszczyńska Z, et al. **Med Pr** 1983; 34(5–6):413–7 (Eng. Abstr.) **(Pol)**

[Comparative toxicity of inorganic compounds containing 3- and 5-valent arsenic with respect to health standards for water] Krasovskil GN, et al. **Gig Sanit** 1984 Apr; (4):9–11 (Eng. Abstr.) **(Rus)**

URINE

Distribution of blood lead, blood cadmium, urinary cadmium,

and urinary arsenic levels in employees of a copper smelter. Lilis R, et al. **Environ Res** 1984 Feb;33(1):76–95
Significance of arsenic metabolic forms in urine. Part I: Chemical speciation. Buratti M, et al. **Int J Environ Anal Chem** 1984;17(1):25–34

ARSENICALS

Adsorption of 60Co on non-ionic macro-reticular resin impregnated tetraphenylarsonium chloride or tetraphenylarsonium thiocyanate. Imai K, et al. **J Radiat Res (Tokyo)** 1983 Jun;24(2):148–53

ADVERSE EFFECTS

Treatment of arsenical keratosis with etretinate. Sharma SC, et al. **Acta Derm Venereol (Stockh)** 1983;63(5):449–52

ANALYSIS

Spectrophotometric method for the quantitative analysis of carbarsone in turkey feed. Hellmann MA. **Bull Environ Contam Toxicol** 1983 Aug;31(2):235–8

BIOSYNTHESIS

The wood preservative chromated copper arsenate is a substrate for trimethylarsine biosynthesis. Cullen WR, et al. **Appl Environ Microbiol** 1984 Feb;47(2):443–4

CHEMICAL SYNTHESIS

Synthesis of 73As-radiolabelled arsenobetaine and arsenocholine for metabolic studies and their fate and distribution in laboratory animals. Goetz L, et al. **Int J Appl Radiat Isot** 1983 Nov;34(11):1509–17

DIAGNOSTIC USE

A comparison of the technetium-labeled myocardial agents DiArs and DMPE to 201Tl in experimental animals. Sullivan PJ, et al. **Int J Nucl Med Biol** 1984;11(1):3–10

IMMUNOLOGY

Studies of the arsonate system using monoclonal antibodies. Hiernaux J, et al. **Ann NY Acad Sci** 1983;418:9–15
Induction of anti-arsonate CRI positive antibodies in BALB/c mice. Leo O, et al. **Ann NY Acad Sci** 1983; 418:257–64

ISOLATION & PURIFICATION

Isolation and preliminary toxicological evaluation of arsenobetaine – the water-soluble arsenical constituent from the hepatopancreas of the western rock lobster. Cannon JR, et al. **Sci Total Environ** 1983 Nov;31(2):181–5

METABOLISM

Tissue distribution and retention of 74As-dimethylarsinic acid in mice and rats. Vahter M, et al. **Arch Environ Contam Toxicol** 1984 May;13(3):259–64
Arsenic mononucleotides. Separation by high-performance liquid chromatography and identification with myokinase and adenylate deaminase. Lagunas R, et al. **Biochemistry** 1984 Feb 28;23(5):955–60
Levels of arsenical species in cotton after field application of a cacodylic acid defoliant. Mastradone PJ, et al. **Bull Environ Contam Toxicol** 1983 Aug;31(2):216–21
Metabolism and excretion of orally ingested trimethylarsenic in man. Yamauchi H, et al. **Bull Environ Contam Toxicol** 1984 Jun;32(6):682–7
Distribution and toxicity of monosodium methanearsonate following oral administration of the herbicide to dairy sheep and goats. Shariatpanahi M, et al. **J Environ Sci Health [B]** 1984 Jun-Jul;19(4–5):427–39
Metabolism of arsenocholine in mice, rats and rabbits. Marafante E, et al. **Sci Total Environ** 1984 Mar 15; 34(3):223–40
Metabolism of arsenobetaine in mice, rats and rabbits. Vahter M, et al. **Sci Total Environ** 1983 Sep;30:197–211
Metabolism and excretion of orally administered dimethylarsinic acid in the hamster. Yamauchi H, et al. **Toxicol Appl Pharmacol** 1984 Jun 15;74(1):134–40

PHARMACODYNAMICS

Inhibition of pyruvate dehydrogenase multienzyme complex from Escherichia coli with a radiolabeled bifunctional arsenoxide: evidence for an essential histidine residue at the active site of lipoamide dehydrogenase. Adamson SR, et al. **Biochemistry** 1984 Mar 13;23(6):1269–74
Chemical modification of the lactose carrier of Escherichia coli by plumbagin, phenylarsinoxide or diethylpyrocarbonate affects the binding of galactoside. Neuhaus JM, et al. **Eur J Biochem** 1983 Dec 15; 137(3):615–21
Effect of arsenical drugs on glutathione metabolism of Litomosoides carinii. Bhargava KK, et al. **Mol Biochem Parasitol** 1983 Sep;9(1):29–35
Feed additive interactions in the chicken: reduction of tissue copper deposition by dietary roxarsone in healthy and in Eimeria acervulina-infected or Eimeria tenella-infected chicks. Czarnecki GL, et al. **Poult Sci** 1984 Jul;63(7):1412–8
Long-term broiler performance with bambermycins and bambermycins plus roxarsone. Johnston NL, et al. **Poult Sci** 1983 Jul;62(7):1189–94

THERAPEUTIC USE

Dirofilaria immitis ova in a transthoracic fine-needle aspirate from a dog. Latimer KS, et al. **J Am Vet Med Assoc** 1984 Feb 15;184(4):468–9
[Treatment of human African trypanosomiasis] Dumas M, et al. **Bull Soc Pathol Exot Filiales** 1983 Nov;76(5):622–7 (Eng. Abstr.) **(Fre)**

ARSPHENAMINE

HISTORY

Paul Ehrlich: pioneer of chemotherapy and cure by arsenic (1854–1915). Thorburn AL. **Br J Vener Dis** 1983 Dec; 59(6):404–5

ART

The law relating the kinematic and figural aspects of drawing movements. Lacquaniti F, et al. **Acta Psychol (Amst)** 1983 Oct;54(1–3):115–30
Developmental change in covert principles for the organization of strokes in drawing and handwriting. Nihei Y. **Acta Psychol (Amst)** 1983 Oct;54(1–3):221–32
Portrait of a dermatologist as an artist. Gibbs RC. **Am J Dermatopathol** 1984 Feb;6(1):73–9
Intraindividual variability in human figure drawings: a developmental study. Rubin JA, et al. **Am J Orthopsychiatry** 1983 Oct;53(4):654–67
Perceptual rating of paintings from different artistic styles as a function of semantic differential scales and exposure time. Bachmann T, et al. **Arch Psychol (Frankf)** 1983; 135(2):149–61
Children's sensitivity to different modes of colour use in art. O'Hare D, et al. **Br J Educ Psychol** 1983 Nov;53 (Pt 3):267–77
A medical tour through The Cleveland Museum of Art. Borowitz HO. **Cleve Clin Q** 1983 Winter;50(4):417–38
Artistic development in the dancer. McLain D. **Clin Sports Med** 1983 Nov;2(3):563–70
Human figure drawings of gender-problem children: a comparison to sibling, psychiatric, and normal controls. Zucker KJ, et al. **J Abnorm Child Psychol** 1983 Jun; 11(2):287–98
The art in analysis: the analyst's art. Forrest DV. **J Am Acad Psychoanal** 1984 Jul;12(3):321–40
The legend of the unicorn: an illumination of the maternal split. Mohacsy I. **J Am Acad Psychoanal** 1984 Jul; 12(3):387–412
A treasury of dentistry. The dental attractions of the Wells Cathedral. Foley GP. **J Am Coll Dent** 1983 Fall;50(3):16–7
Mounting boards and adhesives for photographic prints and works of art on paper. Jirat-Wasiutynski T. **J Audiov Media Med** 1984 Apr;7(2):51–8
Image permanence in paintings. Staniforth S. **J Audiov Media Med** 1983 Jul;6(3):89–97
Enhanced communication skills for medical students through drawing. Biggerstaff DE, et al. **J Biocommun** 1984 Feb; 11(1):2–4
The effect of change of the size of the drawing sheet on the H-T-P IQ scores. Bieliauskas VJ, et al. **J Clin Psychol** 1983 Nov;39(6):1033–4
Psychological reality of cross-media artistic styles. Hasenfus N, et al. **J Exp Psychol [Hum Percept]** 1983 Dec; 9(6):841–63
The final picture in art. Zlatin HP, et al. **J Geriatr Psychiatry** 1983;16(1):113–47
The art of Banting. Krosnick A. **J Med Soc NJ** 1984 Feb; 81(2):138–9
Disabled artists: the canvas keeps getting larger. Dietl D. **J Rehabil** 1983 Oct-Dec;49(4):15–8
Maladies may be linked to artists' materials [news] Glasbrenner K. **JAMA** 1984 Mar 16;251(11):1391, 1395
Senile macular degeneration: an artist's view. Sperduto RD, et al. **JAMA** 1983 Nov 11;250(18):2506–7
Finger misrepresentation and dyscalculia in an ecological context: toward an ecological (cultural) evolutionary neuro-psychiatry. Pontius AA. **Percept Mot Skills** 1983 Dec;57(3 Pt 2):1191–208
Creativity in art and science. Noble D. **Psychiatry** 1984 Feb; 47(1):50–8
[Projective tests and in particular the Pleuridimensional Drawing Test for the control of the effectiveness of psychotherapy] Bloch R. **Ann Med Psychol (Paris)** 1983 Jun;141(6):668–70 **(Fre)**
[Atheroma in an oil painting in the art museum in Brescia] Korting GW. **Hautarzt** 1984 Jun;35(6):321 **(Ger)**
[Female fertility symbols of the Quanches and Tarascos] Hausmann W. **Tierarztl Prax** 1983;11(3):417–20 **(Ger)**
[Approach to some famous painters' pathography by computer picture analysis] Miyamae M, et al. **Iyodenshi To Seitai Kogaku** 1983 Aug;21(4):264–5 **(Jpn)**
[Projective value of the drawing test 'The Bewitched Family' in neuroses and behavior disorders in children] Sulestrowska H. **Psychiatr Pol** 1984 Jan-Feb;18(1):23–9 (Eng. Abstr.) **(Pol)**
[The occurrence of pathological elements in drawings and paintings by schizophrenic patients] Tyszkiewicz M. **Psychiatr Pol** 1983;17(1):47–52 (Eng. Abstr.) **(Pol)**
[Correlations between pathological features in the artistic works of patients with schizophrenia] Tyszkiewicz M. **Psychiatr Pol** 1983 May-Jun;17(3):249–54 (Eng. Abstr.) **(Pol)**
[Type of information conveyed by the artistic works of patients with schizophrenia and various features of the artists' personalities] Tyszkiewicz M. **Psychiatr Pol** 1983 Jul-Aug;17(4):315–9 (Eng. Abstr.) **(Pol)**

HISTORY

Rhinophyma. A master's depiction, a patron's affliction. Dotz W, et al. **Am J Dermatopathol** 1984 Jun;6(3):231–5
The Clifts and the arts. Austin F, et al. **Ann R Coll Surg Engl** 1984 Jan;66(1):63–70
Transitional process and creativity in the life and art of Edvard Munch. Warick LH, et al. **J Am Acad Psychoanal** 1984 Jul;12(3):413–24
The paradox of Rembrandt's 'Anatomy of Dr. Tulp'. Schupbach W. **Med Hist [Suppl]** 1982;(2):1–110
Body-mind sculpture: battle of the titans [letter] DiGeronimo EM, et al. **Plast Reconstr Surg** 1984 Feb;73(2):324–5
Tuberculosis and art. Dubovsky H. **S Afr Med J** 1983 Nov 12;64(21):823–6
St. Cosmas and St. Damian relics in Hungary. Fleischmann-Bánó M, et al. **Ther Hung** 1981;29(3):142–6
[Vincent van Gogh, his physical ailments, injuries and suicide] de Haas WH. **Ned Tijdschr Geneeskd** 1983 Dec 24;127(52):2390–2 **(Dut)**
[Art and pathology: Joseph Beuys—'show your wound'] Schellmann B. **Pathologe** 1983 Nov;4(6):325–7 **(Ger)**
[Dr. Adolf Rząśnicki – physician, scientist, artist (on the 30th anniversary of his death)] Kapuścik J. **Arch Hist Med (Warsz)** 1983;46(2):237–48 (Eng. Abstr.) **(Pol)**

ART THERAPY

Art therapy helps kids cope with death. **Hospitals** 1984 Feb 1;58(3):44
The art of health. Corbin DE. **J Sch Health** 1983 Sep; 53(7):437–9
[Crude art and ergotherapy: the 'House of Artists' in Gugging, Austria] Thévoz M. **Rev Med Suisse Romande** 1983 Dec;103(12):1069–73 **(Fre)**
[Diagnostic aspects of music therapy and psycho-drawing] Chlistunoff W, et al. **Psychiatr Pol** 1984 Jan-Feb; 18(1):57–64 **(Pol)**

METHODS

The arts as healing. Kivnick HQ, et al. **Am J Orthopsychiatry** 1983 Oct;53(4):602–18
Multimodal treatment of a child with schizophrenia. Sikes V, et al. **Am J Psychother** 1984 Apr;38(2):272–85
Dynamics in art group psychotherapy with psychosomatic patients. Philippopoulos GS, et al. **Psychother Psychosom** 1983;40(1–4):74–80
[Art and therapy—approaches and necessity] Petersen P. **Z Klin Psychol Psychopathol Psychother** 1983;31(3):217–28 **(Ger)**

ARTEMIA

ANALYSIS

Developmental and comparative aspects of brine shrimp tubulin. Macrae TH, et al. **Biochem J** 1984 Apr 1; 219(1):137–48
Distribution of elongation factor 2 between particulate and soluble fractions of the brine shrimp Artemia during early development. Yablonka-Reuveni Z, et al. **Can J Biochem Cell Biol** 1983 Aug;61(8):833–9
cis-Canthaxanthins. Unusual carotenoids in the eggs and the reproductive system of female brine shrimp artemia. Nelis HJ, et al. **J Biol Chem** 1984 May 25;259(10):6063–6

DRUG EFFECTS

Use of potato disc and brine shrimp bioassays to detect activity and isolate piceatannol as the antileukemic principle from the seeds of Euphorbia lagascae. Ferrigni NR, et al. **J Nat Prod** 1984 Mar-Apr;47(2):347–52

ENZYMOLOGY

Inhibition of endoribonuclease VI from Artemia larvae by cytidine 2'-phosphate. Heredia CF. **Biochem Biophys Res Commun** 1984 May 31;121(1):408–12
Adenosine deaminase isozymes in Artemia. Fernández A, et al. **Comp Biochem Physiol [B]** 1984;78(2):481–4
Developmental changes of Artemia ribonuclease. Heredia CF. **Comp Biochem Physiol [B]** 1984;78(2):407–11
Purification and subunit structure of RNA polymerase II from different stages of Artemia development. Cruces J, et al. **Eur J Biochem** 1984 Jun 1;141(2):279–82
Adenylosuccinate lyase from Artemia embryos. Purification and properties. Pinto RM, et al. **J Biol Chem** 1983 Oct 25;258(20):12513–9
Limited tryptic digestion of messenger RNA capping enzyme from Artemia salina. Isolation of domains for guanylyltransferase and RNA 5'-triphosphatase. Yagi Y, et al. **J Biol Chem** 1984 Apr 25;259(8):4695–8

GROWTH & DEVELOPMENT

Improved methods for harvesting and counting synchronous populations of Artemia nauplii for use in developmental toxicology. Sleet RB, et al. **Ecotoxicol Environ Safety** 1983 Oct;7(5):435–46

METABOLISM

Diffusive properties of water in Artemia cysts as determined from quasi-elastic neutron scattering spectra. Trantham EC, et al. **Biophys J** 1984 May;45(5):927–38

Identification and properties of the 38 000-Mr poly(A)-binding protein of non-polysomal messenger ribonucleoproteins of cryptobiotic gastrulae of Artemia salina. De Herdt E, et al. **Eur J Biochem** 1984 Feb 15; 139(1):155–62

Inhibition of chitin metabolism by avermectin in susceptible organisms. Calcott PH, et al. **J Antibiot (Tokyo)** 1984 Mar; 37(3):253–9

PHYSIOLOGY

Evidence for chemically shifted water in the brine shrimp, (Artemia): possible interpretations. Kasturi SR, et al. **Physiol Chem Phys** 1983;15(1):5–11

ULTRASTRUCTURE

[Ultrastructural aspects of the dormant Artemia embryo] Bes JC, et al. **Bull Assoc Anat (Nancy)** 1983 Sep;67(198):255–64 (Eng. Abstr.) **(Fre)**

ARTERENOL see NOREPINEPHRINE

ARTERIAL OBSTRUCTIVE DISEASES see ARTERIAL OCCLUSIVE DISEASES

ARTERIAL OCCLUSIVE DISEASES

International symposium on: occlusive arterial diseases of the lower limbs in young patients, Rome, May 20–22, 1982. Fiorani P, et al. **Clin Cardiol** 1983 Dec;6(12):622–5

Fibromuscular dysplasia of cephalic and renal arteries. Swamy HS, et al. **Clin Neurol Neurosurg** 1983;85(3):169–74

The natural history of carotid artery disease [editorial] Lees RS. **Stroke** 1984 Jul–Aug;15(4):603–4

[Chronic circulatory disorders] Redtenbacher M, et al. **Fortschr Med** 1984 Feb 2;102(5):87–92 (Eng. Abstr.) **(Ger)**

[Diseases of the lower extremities] Eufinger H. **MMW** 1984 Jan 27;126(4):139–40 **(Ger)**

BLOOD

Platelet factor 4 and beta thromboglobulin in Moya-Moya disease. Albala MM, et al. **Am J Pediatr Hematol Oncol** 1984 Spring;6(1):96–9

Unique efficiency of methionine metabolism in premenopausal women may protect against vascular disease in the reproductive years. Boers GH, et al. **J Clin Invest** 1983 Dec;72(6):1971–6

The influence of I.V. application of pentoxifylline on the viscoelasticity of blood in patients with peripheral vascular disorders. Chmiel H, et al. **Ric Clin Lab** 1981;11 Suppl 1:189–96

Increased circulating platelet aggregates and coagulation factors in patients with Blackfoot disease. Shen MC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1983 Jul;82(7):816–21

[Lactate in the diagnosis of acute intestinal vascular occlusions] Janda A, et al. **Chirurg** 1984 Jul;55(7):469–73 (Eng. Abstr.) **(Ger)**

[Erythrocyte aggregation values. A measure of myocardial infarct risk factors and of vascular lesions] Ruhenstroth-Bauer G, et al. **MMW** 1983 Sep 9; 125(36):771–4 (Eng. Abstr.) **(Ger)**

[Effect of CPD choline on a blood hyperviscosity syndrome secondary to chronic ischemic vasculopathy. Ex vivo study of clinical pharmacology] Auteri A, et al. **Minerva Cardioangiol** 1984 Jan–Feb;32(1-2):53–7 (Eng. Abstr.) **(Ita)**

[Platelet aggregation, erythrocyte filterability and changes of some blood coagulation parameters in subjects with chronic obstructive arteriopathy of the lower limbs] Macchione C, et al. **Minerva Cardioangiol** 1983 Jul–Aug; 31(7–8):433–8 (Eng. Abstr.) **(Ita)**

[Lipid-metabolic and blood coagulation factors in chronic peripheral arteriopathies] Di Martino G, et al. **Quad Sclavo Diagn** 1983 Mar;19(1):134–40 (Eng. Abstr.) **(Ita)**

[Hemorrheological factors in the developmental stages of peripheral arterial occlusive diseases] Artale F, et al. **Ric Clin Lab** 1983;13 Suppl 3:411–5 (Eng. Abstr.) **(Ita)**

[Influence of age factors on the rheological properties of blood in healthy subjects and those with vascular disease] Artale F, et al. **Ric Clin Lab** 1983;13 Suppl 3:431–6 (Eng. Abstr.) **(Ita)**

[Hemorrheological changes in peripheral obliterative arterial diseases] Bartoli V, et al. **Ric Clin Lab** 1983;13 Suppl 3:209–18 (Eng. Abstr.) **(Ita)**

[The relation between erythrocyte filterability and platelet aggregation (in vitro studies in normal subjects and those with vascular disease before and after isotonic exercise)] Guerrini M, et al. **Ric Clin Lab** 1983;13 Suppl 3:309–14 (Eng. Abstr.) **(Ita)**

[Hemorrheological anomalies: an element of additional risk in arterial diseases] Mancini M, et al. **Ric Clin Lab** 1983; 13 Suppl 3:181–8 (Eng. Abstr.) **(Ita)**

[Hemorrheologic aspects in relation to the physiopathology and clinical aspects of peripheral occlusive arteriopathy] Perego MA, et al. **Ric Clin Lab** 1981;11 Suppl 1:281–91 **(Ita)**

[Clinical value of hemorrheology in peripheral arterial occlusive diseases] Sciannameo F, et al. **Ric Clin Lab** 1983; 13 Suppl 3:417–22 (Eng. Abstr.) **(Ita)**

[The effect of lysine acetylsalicylate on hemorrheological changes induced through ischemic exertion in patients with vascular disease] Vittoria A, et al. **Ric Clin Lab** 1983;13 Suppl 3:315–21 (Eng. Abstr.) **(Ita)**

[Studies of red cell deformability and lipid composition of red cell membrane in chronic arterial occlusive diseases] Sawamura T. **Nippon Geka Gakkai Zasshi** 1984 Apr; 85(4):378–91 (Eng. Abstr.) **(Jpn)**

[Changes in serum lipid composition in obliterating diseases of the blood vessels of the extremities] Zaĭtsev VT, et al. **Klin Khir** 1984 Jul;(7):22–5 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Heparin-associated thrombosis without thrombocytopenia. Phelan BK. **Ann Intern Med** 1983 Nov;99(5):637–8

Multiple arterial stenoses in chronic ergot toxicity [letter] Corrocher R, et al. **N Engl J Med** 1984 Jan 26;310(4):261

Cerebral arterial occlusion and intracranial venous thrombosis in a woman taking oral contraceptives. Montón F, et al. **Postgrad Med J** 1984 Jun;60(704):426–8

[Diffuse arterial spasm in digitalis poisoning] Granier P, et al. **Rev Med Interne** 1983 Dec;4(4):361–2 **(Fre)**

[Fibromuscular dysplasia (FMD) of the internal carotid artery—2 cases with suspected involvement of an estrogen or ergot preparation] Honma Y, et al. **Rinsho Shinkeigaku** 1983 Aug;23(8):694–9 (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

Symptomatic coronary and cerebral steal after internal mammary-coronary bypass. Bashour TT, et al. **Am Heart J** 1984 Jul;108(1):177–8

Coronary lesions in neurofibromatosis associated with vasospasm and myocardial infarction. Halper J, et al. **Am Heart J** 1984 Aug;108(2):420–2

Renal infarction due to renal artery dysplasia with dissection. Report of a case in a normotensive patient. Hasday JD, et al. **Am J Med** 1984 May;76(5):943–6

An experimental model of carotid artery occlusive disease. Slakter JS, et al. **Am J Ophthalmol** 1984 Feb;97(2):168–72

Ischemic oculopathy. Cowan CL Jr, et al. **Ann Ophthalmol** 1983 Nov;15(11):1052–7

Recovery of vision following treatment of the ocular ischemic syndrome. Kiser WD, et al. **Ann Ophthalmol** 1983 Apr;15(4):305–10

Branch retinal artery occlusion in patients with Hodgkin's disease. Seelenfreund MH, et al. **Ann Ophthalmol** 1984 Jan; 16(1):76–9

Incidence of membranous lipodystrophy-like change among patients with limb necrosis caused by chronic arterial obstruction. Machinami R. **Arch Pathol Lab Med** 1984 Oct; 108(10):823–6

Anti-arrhythmic effects of prazosin and propranolol during coronary artery occlusion and re-perfusion in dogs and pigs. Benfey BG, et al. **Br J Pharmacol** 1984 Jul; 82(3):717–25

Ischaemic proctitis and adventitial fibromuscular dysplasia of the superior rectal artery. Quirke P, et al. **Br J Surg** 1984 Jan;71(1):33–8

Lung cancer and peripheral vascular surgery. Beauchamp G, et al. **Can J Surg** 1983 Sep;26(5):472–4

Scleroembolization for treatment of hypertension caused by intrarenal arterial fibrodysplasia. Dal Canton A, et al. **Clin Nephrol** 1984 Feb;21(2):138–9

Moyamoya disease associated with renovascular hypertension. Yamashita M, et al. **Hum Pathol** 1984 Feb; 15(2):191–3

Cystic adventitial disease of the popliteal artery. Morrison P, et al. **Ir J Med Sci** 1984 Jan;153(1):22–3

Subclavian occlusive disease presenting as a painful nail [letter] Kerdel FA, et al. **J Am Acad Dermatol** 1984 Mar; 10(3):523–5

Impotence due to the external iliac steal syndrome treated by percutaneous transluminal angioplasty. Van Unnik JG, et al. **J Urol** 1984 Mar;131(3):544–5

Unilateral moyamoya disease associated with multiple aneurysms. A case report and review of the literature. Kasamo S, et al. **Neurol Med Chir (Tokyo)** 1984 Jan; 24(1):30–4

The effect of hypertension on ischemic cerebral edema in spontaneously hypertensive rats. O'Brien MD, et al. **Neurol Res** 1983;5(3):83–93

The significance of carotid stenosis or ulceration. Grotta JC, et al. **Neurology (NY)** 1984 Apr;34(4):437–42

Spontaneous vertebro-vertebral arterio-venous fistula associated with fibro-muscular dysplasia. Report of two cases. Bahar S, et al. **Neuroradiology** 1984;26(1):45–9

The CPC: cerebral vascular occlusion followed by renal failure in a 62-year-old woman. **NY State J Med** 1984 Mar;84(3 Pt 1):116–21

An unusual tongue necrosis in bilateral occlusion of external carotid artery branches. Liboni W, et al. **Panminerva Med** 1983 Oct-Dec;25(4):249–54

Necrotizing fasciitis of the parapharyngeal space with carotid artery occlusion and acute hemiplegia. Bush JK, et al. **Pediatrics** 1984 Mar;73(3):343–7

Homocystinuria presenting as multiple arterial occlusions. Newman G, et al. **Q J Med** 1984 Spring;53(210):251–8

Cerebral infarction with transient signs (CITS): do TIAs correspond to small deep infarcts in internal carotid artery occlusion? Bogousslavsky J, et al. **Stroke** 1984 May–Jun; 15(3):536–9

Cerebral infarction after middle cerebral artery occlusion in progenies of spontaneously stroke-prone and normal rats. Coyle P, et al. **Stroke** 1984 Jul–Aug;15(4):711–6

Double lumen dissecting aneurysms of the internal carotid artery in fibromuscular dysplasia: case report. Garcia-Merino JA, et al. **Stroke** 1983 Sep–Oct;14(5):815–8

Idiopathic basilary artery occlusion in childhood (case report). Jain S, et al. **Stroke** 1984 May–Jun;15(3):563–5

Cerebral infarction secondary to unsuspected intracranial fibromuscular dysplasia following bypass of aortic coarctation. Malloy DS, et al. **Stroke** 1984 Sep–Oct; 15(5):908–11

The distribution of ischaemic damage and cerebral blood flow after unilateral carotid occlusion and hypotension in the rat. Mendelow AD, et al. **Stroke** 1984 Jul–Aug; 15(4):704–10

The pathogenesis of strokes from internal carotid artery occlusion. Diagnostic and therapeutical implications. Ringelstein EB, et al. **Stroke** 1983 Nov–Dec;14(6):867–75

Middle cerebral artery occlusion in the young rat [letter] Tamura A. **Stroke** 1983 Sep–Oct;14(5):831–2

Cervico-cephalic arterial thrombi and thromboemboli in moyamoya disease—possible correlation with progressive intimal thickening in the intracranial major arteries. Yamashita M, et al. **Stroke** 1984 Mar–Apr;15(2):264–70

Moyamoya disease and cerebral hemorrhage. Hardy RC, et al. **Surg Neurol** 1984 May;21(5):507–10

Moyamoya disease associated with craniopharyngioma. Tsuji N, et al. **Surg Neurol** 1984 Jun;21(6):588–92

Fibromuscular dysplasia: an unusual cause of hypertension in the transplant recipient. Nghiem DD, et al. **Transplant Proc** 1984 Apr;16(2):555–8

Renal arteriovenous fistula associated with fibromuscular dysplasia. Imray TJ, et al. **Urology** 1984 Apr;23(4):378–80

[Transient ischemic attacks before and after occlusion of the internal carotid artery] Bogousslavsky J, et al. **Rev Neurol (Paris)** 1983;139(11):625–33 (Eng. Abstr.) **(Fre)**

[Lumbosciatalgias of vascular origin] Ekoe JM, et al. **Schweiz Rundsch Med Prax** 1984 Jan 10;73(2):27–31 (Eng. Abstr.) **(Fre)**

[Importance of the orbital collateral circulation for the origin of ischemic ophthalmopathy in stenotic diseases of the internal carotid artery] Galle G, et al. **Fortschr Neurol Psychiatr** 1983 Aug;51(8):261–9 (Eng. Abstr.) **(Ger)**

[Arterial thrombosis in the nephrotic syndrome] Malinverni R, et al. **Schweiz Med Wochenschr** 1983 Oct 29; 113(43):1576–80 (Eng. Abstr.) **(Ger)**

[Spontaneous arteriovenous shunts in chronic arterial occlusive disease of the lower extremities] Stein U, et al. **Vasa** 1984;13(2):133–7 (Eng. Abstr.) **(Ger)**

[Results of special treatment methods for ischemic tissue lesions (stage IV of arterial occlusive disease)] Rieger H, et al. **Verh Dtsch Ges Herz Kreislaufforsch** 1983;49:189–92 **(Ger)**

[Combined occurrence of renovascular hypertension, coarctation of the abdominal aorta, occlusion of the celiac and mesenteric arteries and kyphoscoliosis with neurofibromatosis—a case report] Sonkodi S, et al. **Wien Klin Wochenschr** 1984 Jan 6;96(1):34–6 (Eng. Abstr.) **(Ger)**

[Fibrodysplasia of the media of the iliac artery: an unusual cause of chronic obliterative arteriopathy of the lower limbs] Pouchè A, et al. **Minerva Cardioangiol** 1983 Oct; 31(10):565–71 (Eng. Abstr.) **(Ita)**

[Abdominal aorta aneurysm and associated peripheral arterial lesions] Deriu GP, et al. **Minerva Chir** 1983 Jul 15–31; 38(13–14):1059–70 (Eng. Abstr.) **(Ita)**

[Multi-distributed ischemia and degree of hemorrheological changes] Sergio G, et al. **Ric Clin Lab** 1983;13 Suppl 3:427–30 (Eng. Abstr.) **(Ita)**

[Significance of intracranial aneurysms associated with moyamoya disease. (Part I). Differences between intracranial aneurysms associated with moyamoya disease and usual saccular aneurysms—review of the literature] Kwak R, et al. **Neurol Med Chir (Tokyo)** 1984 Feb; 24(2):97–103 (Eng. Abstr.) **(Jpn)**

[Significance of intracranial aneurysms associated with moyamoya disease. (Part II). Cause and site of hemorrhage—review of the literature] Kwak R, et al. **Neurol Med Chir (Tokyo)** 1984 Feb;24(2):104–9 (Eng. Abstr.) **(Jpn)**

[Anterior communicating artery aneurysm with bilateral middle cerebral artery occlusion. Case report] Tazawa T, et al. **Neurol Med Chir (Tokyo)** 1983 Jun;23(6):478–82 (Eng. Abstr.) **(Jpn)**

[Renovascular hypertension due to fibromuscular dysplasia associated with cerebral aneurysm: two cases occurred in a sibling] Ohuchi Y, et al. **Nippon Naika Gakkai Zasshi** 1984 Mar;73(3):341–50 **(Jpn)**

[Moya-moya disease associated with fibromuscular dysplasia of renal artery] Terasawa K, et al. **No To Hattatsu** 1983 Jul;15(4):350–5 (Eng. Abstr.) **(Jpn)**

[Multiple cerebrovascular occlusive disease associated with neurofibromatosis] Sasaki O, et al. **No To Shinkei** 1984 Feb; 36(2):159–66 (Eng. Abstr.) **(Jpn)**

[Case of Moyamoya disease with agraphia caused by a frontal lesion] Sato M, et al. **No To Shinkei** 1983 Nov; 35(11):1145–51 (Eng. Abstr.) **(Jpn)**

[Angiographical extravasation in the intracranial hemorrhage due to cerebrovascular moyamoya disease—autopsy study] Sayama I, et al. **No To Shinkei** 1984 Apr;36(4):325–31 (Eng. Abstr.) **(Jpn)**

[Diagnosis and treatment of sexual function disorders among men with aorto-iliac occlusions] Driuk NF, et al. **Klin Khir** 1984 Jul;(7):53–6 (Eng. Abstr.) **(Rus)**

['Steal' syndromes in occlusive lesions of the branches of the aorta (review of the Soviet and foreign literature)] Ialovetskiĭ DM, et al. **Zh Nevropatol Psikhiatr** 1984; 84(1):108–15 (61 ref.) **(Rus)**

CONGENITAL

[Antenatal cerebral artery occlusions (4 new cases)] Rolland M, et al. **Pediatrie** 1983 Apr–May;38(3):151–60 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Encapsulated liquid crystal (ELC) thermography in peripheral arterial disease. Belcaro G, et al. **Acta Chir Belg** 1983 Nov–Dec;83(6):430–5

Arteriographic, Doppler and surgical evaluation of aorto iliac disease and arterial insufficiency of the lower limbs. Grosjean O, et al. **Acta Chir Belg** 1983 Sep–Oct; 83(5):309–18

Cerebrovascular occlusion in childhood. Dobronyi I, et al. **Acta Paediatr Hung** 1983;24(4):361–6

Dynamic vascular auscultation. Kurtz KJ. **Am J Med** 1984 Jun;76(6):1066–74

Carotid surgery without angiography. Crew JR, et al. **Am J Surg** 1984 Aug;148(2):217–20

Is femoral pulse palpation accurate in assessing the hemodynamic significance of aortoiliac occlusive disease? Sobinsky KR, et al. **Am J Surg** 1984 Aug;148(2):214–6

Noninvasive diagnosis of internal carotid artery occlusion. Sullivan ED, et al. **Am J Surg** 1983 Nov;146(5):577–80

Comparison of the pneumooculoplethysmography (GEE) and the digitalized pulse timing oculoplethysmography (ZIRA). AbuRahma AF, et al. **Am Surg** 1983 Oct; 49(10):548–50

Carotid and coronary arterial disease. A rational approach. Rosenthal D, et al. **Am Surg** 1984 May;50(5):233–5

Noninvasive methods in the diagnosis of extracranial carotid artery disease: a correlation with carotid arteriography in eighty patients. Adiga KR, et al. **Angiology** 1984 Jun; 35(6):331–40

Clinical significance of Doppler velocity and blood pressure measurements in peripheral arterial occlusive disease. Hirai M, et al. **Angiology** 1984 Jan;35(1):45–53

Ocular pneumoplethysmography (OPG–Gee) in noninvasive evaluation of carotid artery stenosis. Riles TS, et al. **Angiology** 1983 Nov;34(11):724–30

The use of transcutaneous oxygen tension measurements in the diagnosis of peripheral vascular insufficiency. Byrne P, et al. **Ann Surg** 1984 Aug;200(2):159–65

Noninvasive techniques in the assessment of lower-extremity arterial occlusive disease. The advantages of proximal and distal thigh cuffs. Francfort JW, et al. **Arch Surg** 1984 Oct; 119(10):1145–8

The clinician and the vascular laboratory in the diagnosis of aortoiliac stenosis. Campbell WB, et al. **Br J Surg** 1984 Apr;71(4):302–6

Non-invasive location of arterial stenoses [letter] Fulton TJ, et al. **Br J Surg** 1984 Jun;71(6):479–81

A comparison between two types of waveform analysis in patients with multisegmental arterial disease. Junger M, et al. **Br J Surg** 1984 May;71(5):345–8

The detection and progression of asymptomatic peripheral arterial disease. Laing S, et al. **Br J Surg** 1983 Oct; 70(10):628–30

Common femoral artery Doppler wave-forms: a comparison of three methods of objective analysis with direct pressure measurements. Macpherson DS, et al. **Br J Surg** 1984 Jan; 71(1):46–9

Carotid artery bruit: association with internal carotid stenosis and intraluminal turbulence. Murie JA, et al. **Br J Surg** 1984 Jan;71(1):50–2

Accuracy of noninvasive peripheral arterial testing. Brown P. **Can J Surg** 1984 Jul;27(4):319

Doppler waveform analysis versus segmental pressure and pulse-volume recording: assessment of occlusive disease in the lower extremity. Symes JF, et al. **Can J Surg** 1984 Jul;27(4):345–7

Carotid Doppler evaluation in cerebrovascular disease [letter] Rankin RN, et al. **Can Med Assoc J** 1984 Mar 15; 130(6):672–3, 676

Reversed ophthalmic Doppler signal: a study of its significance. Strik F. **Clin Neurol Neurosurg** 1984;86(1):13–6

Carotid artery imaging using duplex scanning and bidirectional arteriography: a comparison. Colhoun E, et al. **Clin Radiol** 1984 Mar;35(2):101–6

Some uncommon types of occlusive peripheral arterial disease. Spittell JA Jr. **Curr Probl Cardiol** 1983 Nov; 8(8):1–35 (34 ref.)

Preoperative hemodynamic evaluation of aortoiliac occlusive disease: correlation with intraoperative measurements. Schwartz JA, et al. **Curr Surg** 1983 Jul–Aug;40(4):278–81

Childhood moyamoya presenting as dementia: report of a case. Levin SD, et al. **Dev Med Child Neurol** 1983 Dec; 25(6):794–7

Occlusive and aneurysmal disease of the renal arterial circulation. Stanley JC, et al. **DM** 1984 Apr;30(7):1–62 (106 ref.)

Prognosis of symptomatic intracranial obstruction of internal carotid artery. Bogousslavsky J, et al. **Eur Neurol** 1983; 22(5):351–8

Retinal artery occlusion due to moyamoya disease. Chace R, et al. **J Clin Neuro Ophthalmol** 1984 Mar;4(1):31–4

Real-time measurement of the spatial magnitude of the ST segment with the automated vectorcardiographic ST segment analyzer. Kuroiwa A, et al. **J Electrocardiol** 1983 Oct;16(4):339–44

Transcutaneous detection of subcritical arterial stenoses by Doppler signal spectrum analysis. Bendick PJ, et al. **J Ultrasound Med** 1983 Oct;2(10):445–9

B-mode real-time ultrasonic carotid imaging: impact on decision-making and prediction of surgical findings. Farber R, et al. **Neurology (NY)** 1984 Apr;34(4):541–4

Idiopathic infantile arterial calcification with survival to adult life. Marrott PK, et al. **Pediatr Cardiol** 1984 Apr–Jun; 5(2):119–22

Cilioretinal artery obstruction. Brown GC, et al. **Retina** 1983; 3(3):182–7

Cerebral blood flow measurement as an indicator of the haemodynamic severity of carotid artery disease in man. Bullock R, et al. **S Afr Med J** 1984 Mar 17;65(11):429–31

Carotid ultrasonography in carotid artery disease. Cape CA, et al. **South Med J** 1984 Feb;77(2):183–6

Cystic adventitial disease of the popliteal artery. Chapman T, et al. **South Med J** 1984 Mar;77(3):370–2

Elimination of subjective bruit with compression of temporal artery: new physical sign indicative of internal carotid artery occlusion. Chang GY. **Stroke** 1984 Sep–Oct; 15(5):903–4

Prognosis in middle cerebral artery stenosis. Corston RN, et al. **Stroke** 1984 Mar–Apr;15(2):237–41

Non-invasive diagnosis of mild to severe stenosis of the internal carotid artery. Langham ME, et al. **Stroke** 1984 Jul–Aug;15(4):614–21

The natural history of carotid arterial disease in asymptomatic patients with cervical bruits. Roederer GO, et al. **Stroke** 1984 Jul–Aug;15(4):605–13

Evaluation of surgical patients with peripheral vascular disease. Nicholas GC. **Surg Clin North Am** 1983 Oct; 63(5):993–1002 (17 ref.)

A comparison of Doppler flow measurements, ultrasonic and arteriographic imaging in the evaluation of stenoses of the carotid artery. Herring MB, et al. **Surg Gynecol Obstet** 1984 Jul;159(1):67–9

Cerebral hemodynamics in patients with moyamoya disease. A study of the epicerebral microcirculation by fluorescein angiography. Takeuchi S, et al. **Surg Neurol** 1984 Apr; 21(4):333–40

Stenosis of the iliac artery: an unusual cause of hypertension in the renal transplant recipient. Nghiem DD, et al. **Transplant Proc** 1983 Dec;15(4):2161–3

Comparative study of four methods for quantifying Doppler ultrasound waveforms from the femoral artery. Johnston KW, et al. **Ultrasound Med Biol** 1984 Jan–Feb;10(1):1–12

Prospective assessment of the aorto-iliac segment by visual interpretation of frequency analysed Doppler waveforms—a comparison with arteriography. Walton L, et al. **Ultrasound Med Biol** 1984 Jan–Feb;10(1):27–32

Occlusion of the iliac artery in an 18-year-old man. Franzeck UK, et al. **Vasa** 1984;13(2):179–81

[Potentials of noninvasive methods for assessing disordered blood supply to the lower extremities] Khizhli KhA. **Khirurgiia (Sofiia)** 1983;36(3):256–62 (Eng. Abstr.) **(Bul)**

[Incidence of diseases of the circulatory arteries in men with a high-risk profile] Puchmayer V, et al. **Vnitr Lek** 1983 Nov;29(11):1076–81 (Eng. Abstr.) **(Cze)**

[Clinical significance of noninvasive hemodynamic studies in patients with arterial diseases of the leg] Breslau PJ, et al. **Ned Tijdschr Geneeskd** 1984 May 26;128(21):996–8 (Eng. Abstr.) **(Dut)**

[Carotid dysplasias] Gautier JC, et al. **Ann Med Interne (Paris)** 1983;134(5):465–9 (Eng. Abstr.) **(Fre)**

[Correlation between the measurement of PO2 by percutaneous route and the measurement of cutaneous irrigation by thermal clearance in the foot in chronic obliterative arteriopathies of the lower limbs] Becker F, et al. **J Mal Vasc** 1984;9(2):117–20 (Eng. Abstr.) **(Fre)**

[Pseudo-occlusion of the main trunk of the left coronary artery (letter)] Pernes JM, et al. **Presse Med** 1984 Feb 25; 13(8):502–3 **(Fre)**

[Carotid stenosis: early detection] Rohr J. **Schweiz Med Wochenschr** 1984 Jul 10;114(27–28):974–82 (Eng. Abstr.) **(Fre)**

[Detection of presymptomatic stenoses in Göttingen minipigs with Doppler ultrasound] Stürm RP, et al. **Biomed Tech (Berlin)** 1984 Feb;29(1–2):6–10 (Eng. Abstr.) **(Ger)**

[Hemodynamic effect of carotid stenoses and longtime course following carotid surgery] Grobe T, et al. **Fortschr Neurol Psychiatr** 1984 Jan;52(1):6–10 (Eng. Abstr.) **(Ger)**

[Sonographic detection of a stenosis of the celiac trunk in a 14-year-old girl] Ponhold W, et al. **ROFO** 1984 Apr; 140(4):471–3 **(Ger)**

[Non-invasive evaluation of peripheral arterial occlusive disease] Mahler F. **Schweiz Med Wochenschr** 1983 Dec 10; 113(49):1830–3 **(Ger)**

[The importance of peripheral-arterial occlusive diseases in medical practice. Conclusions from the Basel study] Widmer LK, et al. **Schweiz Med Wochenschr** 1983 Dec 10;113(49):1824–7 (Eng. Abstr.) **(Ger)**

[What does the Doppler ultrasonic technic accomplish in angiology?] Kaliman J, et al. **Wien Med Wochenschr** 1983 Oct 31;133(19–20):529–34 (Eng. Abstr.) **(Ger)**

[Results of a computer-based analysis of peripheral pulse waves in arterial occlusive diseases of the lower extremity] Grossmann K, et al. **Z Kardiol** 1983 Sep;72(9):543–7 (Eng. Abstr.) **(Ger)**

[Ostium stenosis of the left coronary artery. Diagnostic difficulties and risks of the coronarographic examination. Description of 2 cases] Bruzzese P, et al. **Boll Soc Ital Cardiol** 1982;27(7):643–50 (Eng. Abstr.) **(Ita)**

[Diagnosis of arteriopathies of the lower limbs (A comparison of the Doppler flowmeter and arteriography)] Barone G, et al. **Minerva Cardioangiol** 1983 Jul–Aug;31(7–8):391–9 (Eng. Abstr.) **(Ita)**

[The current role of the Doppler flowmeter in the diagnosis of peripheral arteriopathies (The ultrasonic blood flow velocity profile)] Barone G, et al. **Minerva Cardioangiol** 1983 Jul–Aug;31(7–8):401–5 (Eng. Abstr.) **(Ita)**

[Instrumental diagnosis of peripheral arteriopathies] Belcaro G, et al. **Minerva Cardioangiol** 1984 Apr;32(4):191–7 (Eng. Abstr.) **(Ita)**

[Doppler ultrasonography of the lower limbs and arteriography. Correlation of the results at rest and after exertion] Carmellini M, et al. **Minerva Cardioangiol** 1983 May;31(5):299–303 (Eng. Abstr.) **(Ita)**

[Evaluation of peripheral obstructive arteriopathy with echoflow. Correlation between computerized images and angiographic pictures in 100 patients before and after surgical intervention] Gossetti B, et al. **Minerva Cardioangiol** 1983 Sep;31(9):481–90 (Eng. Abstr.) **(Ita)**

[A computerized file of clinical and instrumental data concerning patients with peripheral arterial diseases] Villa V, et al. **Minerva Cardioangiol** 1983 May;31(5):305–9 (Eng. Abstr.) **(Ita)**

[Study of the supramalleolar Doppler pressor indices for definition of the hemodynamic significance of occluding lesions of the aorto-iliaco-femoro-popliteal axis] Bonardelli S, et al. **Minerva Chir** 1983 Oct 15;38(19):1623–6 **(Ita)**

[Indications and limitations of digital arteriography] Pietri P, et al. **Minerva Chir** 1983 Oct 15;38(19):1439–42 **(Ita)**

[Digital subtraction angiography and ultrasound sonography for detection of occlusive carotid lesions in the neck] Koga H, et al. **Neurol Med Chir (Tokyo)** 1983 Sep;23(9):705–10 (Eng. Abstr.) **(Jpn)**

[Diagnostic evaluation of quantitative analyses of 0-crossing velocity wave for the peripheral arterial occlusive disease—clinical and experimental study] Sato S. **Nippon Geka Gakkai Zasshi** 1984 Mar;85(3):261–73 (Eng. Abstr.) **(Jpn)**

[Ultrasonics and peripheral arterial insufficiency. Measurement of blood-flow velocity with a Doppler ultrasonics] Kristiansen K. **Tidsskr Nor Laegeforen** 1983 Aug 10;103(22):1534–7 (Eng. Abstr.) **(Nor)**

[Clinical aspects of moyamoya disease] Krauze M, et al. **Pediatr Pol** 1983 Jun;58(6):565–8 **(Pol)**

[Noninvasive methods of studying occlusive lesions of the arteries of the lower extremities] Danilenko MV, et al. **Khirurgiia (Mosk)** 1984 May;(5):53–6 (Eng. Abstr.) **(Rus)**

[Clinico-angiographic parallels in patients with occlusions of the arteries of the lower extremities] Sidarenko LN, et al. **Khirurgiia (Mosk)** 1984 May;(5):68–73 (Eng. Abstr.) **(Rus)**

[Thermography in the diagnosis of chronic arterial insufficiency of the upper extremities] Tarasenko OP, et al. **Klin Khir** 1984 Jul;(7):58–9 (Eng. Abstr.) **(Rus)**

[Role of Doppler-flowmetry in the diagnosis of peripheral vascular diseases] Abate S, et al. **Angiologia** 1984 Mar–Apr; 36(2):71–85 (Eng. Abstr.) **(Spa)**

[Electronic pulse volume recorder plethysmography and partial pressures in the diagnosis of peripheral arterial disease] Moreno FL, et al. **Angiologia** 1983 Nov–Dec; 35(6):256–66 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Burst therapy. A method of administering fibrinolytic agents. Persson AV, et al. **Am J Surg** 1984 Apr;147(4):531–6

Intraarterial streptokinase infusion for acute popliteal and tibial artery occlusion. Taylor LM Jr, et al. **Am J Surg** 1984 May;147(5):583–8

The role of fibrinolysis in the therapy of peripheral vascular disease. Ambrus CM, et al. **Angiology** 1984 Jul;35(7):436–42

Red cell flexibility and platelet aggregation in patients with chronic obstructive vascular disease (COAD) and study of therapeutic approaches. Ambrus JL, et al. **Angiology** 1984 Jul;35(7):418–26

Studies of the clinical pharmacology and therapeutic efficacy of pentoxifylline in peripheral obstructive arterial disease. Di Perri T, et al. **Angiology** 1984 Jul;35(7):427–35

Nifedipine in ulnar artery occlusion. Fisher MM, et al. **Angiology** 1984 May;35(5):320–3

Buflomedil in arterial occlusive disease: results of a controlled multicenter study. Trübestein G, et al. **Angiology** 1984 Aug; 35(8):500–5

Low dose topical streptokinase in the treatment of arterial embolization. Young JW, et al. **Ann Radiol (Paris)** 1984 Apr–May;27(4):324–6

Medical grand rounds: regional streptokinase therapy for arterial occlusion. Oglesby JT, et al. **Del Med J** 1984 May; 56(5):271–9

Positive effect of oral buflomedil on exercise-induced haemorheological damage and on claudication distance in peripheral obliterative arterial disease patients. Forconi S, et al. **J Int Med Res** 1984;12(3):188–92

Local low dose streptokinase in the treatment of acute peripheral arterial occlusion. Breslau PJ, et al. **Neth J Surg** 1984 Jun;36(3):65–8

Significance of antithrombotic effect in drug therapy of the chronic arterial occlusive disease. Angelkort B. **Ric Clin Lab** 1981;11 Suppl 1:215–21

The effect of pentoxifylline on circulatory disturbances of the retina and optic nerve. A report of ten years clinical experience. Küchle HJ, et al. **Ric Clin Lab** 1981;11 Suppl 1:333–43

Observations with Mydocalm in angiological practice. Balogh A. **Ther Hung** 1981;29(2):96–99

[Use of thrombolytic agents in arterial diseases] Fiessinger JN, et al. **Agressologie** 1983 Nov;24(11):573–7 (Eng. Abstr.) **(Fre)**

[Clinical use of thrombolytic agents] Laprevote-Heully MC, et al. **Agressologie** 1983 Nov;24(11):559–65 (74 ref.) (Eng. Abstr.) **(Fre)**

[Naftidrofuryl in arterial occlusive disease. Controlled multicenter double-blind study with oral administration] Maass U, et al. **Dtsch Med Wochenschr** 1984 May 11; 109(19):745–50 (Eng. Abstr.) **(Ger)**

[Effect of ticlopidine on peripheral obliterating arteriopathy] Stiegler H, et al. **Dtsch Med Wochenschr** 1984 Aug 17; 109(33):1240–3 (Eng. Abstr.) **(Ger)**

[Therapeutic defibrinogenation as conservative therapy of peripheral arterial occlusive disease. A critical analysis] Ernst E. **MMW** 1983 Sep 16;125(37):796–8 (Eng. Abstr.) **(Ger)**

[Effectiveness of buflomedil in arterial occlusive disease. Modification of transcutaneous oxygen pressure in a placebo-controlled double-blind study] Sunder-Plassmann L, et al. **MMW** 1984 Mar 2;126(9):247–8 **(Ger)**

[Systemic thrombolysis of arterial occlusions of the lower extremities. Comparison of various treatment schedules] Lämmle B, et al. **Schweiz Med Wochenschr** 1983 Oct 29; 113(43):1570–6 (Eng. Abstr.) **(Ger)**

[Acute affect of buflomedil hydrochloride (bufedil) on transcutaneously measured oxygen pressures in patients with peripheral arterial occlusive disease] Lemke R, et al. **Vasa** 1984;13(2):171–4 (Eng. Abstr.) **(Ger)**

[Regional lysis of acute basilar artery occlusion—case report] Karnik R, et al. **Wien Klin Wochenschr** 1984 Jan 6; 96(1):26–30 (Eng. Abstr.) **(Ger)**

[Clinico-instrumental evaluation of ciclonicate in the therapy of obliterating arteriopathies of the lower extremities in Fontaine's stage II] Feliciotti F, et al. **Ann Ital Chir** 1983; 55(5):493–7 (Eng. Abstr.) **(Ita)**

[Effects of the administration of buflomedil-hydrochloride on the arterial circulation of the legs in patients with obliterative arteriopathies] Tallarida G, et al. **Boll Soc Ital Cardiol** 1983 Aug;28(8):651–60 (Eng. Abstr.) **(Ita)**

[Medical therapy of peripheral arteriopathies] Antignani PL. **Clin Ter** 1984 Feb 29;108(4):339–43 **(Ita)**

[Therapeutic effects of an alpha-blocker in chronic organic and functional arteriopathy of the limbs] Vittori C, et al. **Clin Ter** 1982 Jan 31;100(2):135–52 (Eng. Abstr.) **(Ita)**

[Medium term treatment with suloctidil in obliterating arteriopathies of the lower limbs. Personal experience] Marongiu G, et al. **Minerva Cardioangiol** 1983 Jul–Aug; 31(7–8):407–10 (Eng. Abstr.) **(Ita)**

[Effect of benfurodil hemiscucinate (Eucilat) on various hemorheologic parameters in patients with chronic peripheral obstructive arteriopathies] Mozzi E, et al. **Minerva Cardioangiol** 1984 Mar;32(3):141–9 (Eng. Abstr.) **(Ita)**

[Hemorrheological survey in a group with arteriosclerotic vascular disease treated with suloctidil] Caimi G, et al. **Ric Clin Lab** 1983;13 Suppl 3:465–8 (Eng. Abstr.) **(Ita)**

[Clinical aspects of hemorrheology in the aged: possibility of prevention and therapy] Feruglio FS, et al. **Ric Clin Lab** 1981;11 Suppl 1:373–9 **(Ita)**

[Effects of pentoxifylline on blood viscosity and peripheral hemodynamics in patients with peripheral occlusive arteriopathies] Guerrini M, et al. **Ric Clin Lab** 1981;11 Suppl 1:265–79 **(Ita)**

[Clinical pharmacology of vasoactive substances: study on pentoxifylline] Pupita F, et al. **Ric Clin Lab** 1981;11 Suppl 1:293–302 **(Ita)**

[Clinical and hemodynamic evaluation of the action of pentoxifylline in patients with obstructive arteriopathy of the lower extremities] Zaccaria A, et al. **Ric Clin Lab** 1981; 11 Suppl 1:381–6 **(Ita)**

[Comparative evaluation of the effect of nitroglycerin, sodium nitroprusside and phentolamine on hemodynamics and myocardial contraction during coronary occlusion in the dog] Popov VG, et al. **Kardiologiia** 1983 Nov; 23(11):98–103 (Eng. Abstr.) **(Rus)**

[Comparative effectiveness of drug preparations given by intraarterial regional infusion to patients with occlusion of the distal arterial bed] Silaev IuS, et al. **Klin Med (Mosk)** 1984 Jun;62(6):89–93 (Eng. Abstr.) **(Rus)**

[Treatment of patients with obliterating diseases of the arteries of the lower extremities with regional vacuum electrophoresis] Buiavykh AG. **Vestn Khir** 1984 Feb; 132(2):126–7 **(Rus)**

[Antiplatelet action of pirozadil] Alberola Candel V, et al. **Med Clin (Barc)** 1984 Feb 18;82(6):253–5 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

[Metabolic study on acute arterial occlusion of the extremities] Kano N. **Nippon Geka Gakkai Zasshi** 1983 Feb; 84(2):161–74 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Smoking as a risk factor for the development of arterial occlusive disease. Puchmayer V. **Acta Univ Carol [Med Monogr] (Praha)** 1984;105:1–134

Pulmonary artery compression by a bronchogenic cyst simulating congenital pulmonary artery stenosis. Watts WJ, et al. **Am J Cardiol** 1984 Jan 15;53(2):347–8

Subclavian artery occlusion 42 years after mastectomy and radiotherapy. Hughes WF, et al. **Am J Surg** 1984 May; 147(5):698–700

Spermatic artery obstruction caused by Angiostrongylus costaricensis Morera and Céspedes, 1971. Ruiz PJ, et al. **Am J Trop Med Hyg** 1983 Nov;32(6):1458–9

Bilateral carotid artery occlusion resulting from giant cell arteritis. Howard GF 3d, et al. **Ann Neurol** 1984 Feb; 15(2):204–7

Management of angioplasty complications, unsuccessful procedures and early and late failures. Samson RH, et al. **Ann Surg** 1984 Feb;199(2):234–40

Relation between aortal sclerosis and metals in biogeochemical environments. Teraoka H. **Arch Environ Contam Toxicol** 1984 Jan;13(1):119–27

Arterial complications of total knee replacement. McAuley CE, et al. **Arch Surg** 1984 Aug;119(8):960–2

Peripheral arterial occlusion and amaurosis fugax as the first manifestation of polycythemia vera. A case report. Berdel WE, et al. **Blut** 1984 Mar;48(3):177–80

Acute occlusion after percutaneous transluminal coronary angioplasty—a new approach. Hollman J, et al. **Circulation** 1983 Oct;68(4):725–32

The role of circulating glucose and triglyceride concentrations and their interactions with other 'risk factors' as determinants of arterial disease in nine diabetic population samples from the WHO multinational study. West KM, et al. **Diabetes Care** 1983 Jul–Aug;6(4):361–9

Neonatal brachial artery occlusion from an umbilical cord tourniquet. Couser RJ, et al. **J Pediatr** 1984 Feb; 104(2):286–9

Occlusive vascular disease in asphyxiated newborn infants. Voorhies TM, et al. **J Pediatr** 1984 Jul;105(1):92–6

Bilateral occlusion of the extracranial internal carotid artery secondary to closed neck injury. Case report and review of the literature. Müller H, et al. **Neurochirurgia (Stuttg)** 1984 Mar;27(2):53–5

Conversion of an intracranial arterial stenosis to a symptomatic occlusion after EC/IC bypass surgery [letter] Awad IA, et al. **Neurosurgery** 1983 Dec;13(6):734

Occlusive and aneurysmal aortoiliac disease. Dealing with the consequences of atherosclerosis. Graor RA. **Postgrad Med** 1984 May 15;75(7):61–72

Head injury associated with carotid occlusion due to blunt cervical trauma. Bok AP, et al. **S Afr J Surg** 1984 Feb–Mar; 22(1):43–50

Acute arterial occlusion—finding the cause. Mills R, et al. **S Afr J Surg** 1983 Dec;21(4):222–6

[Occlusion of the central retinal artery with scintigraphic demonstration of the source of emboli in the aorta] Møller HU, et al. **Ugeskr Laeger** 1983 Sep 5;145(36):2761–2 (Eng. Abstr.) **(Dan)**

[A rare cause of dysbasia in a 27-year-old man] Voorwinde A, et al. **Ned Tijdschr Geneeskd** 1983 Dec 3;127(49):2232–5 (Eng. Abstr.) **(Dut)**

[Extensive arterial and choroidal occlusions in disseminated lupus erythematosus] Castier P, et al. **Bull Soc Ophtalmol Fr** 1983 Jun–Jul;83(6–7):787–90 (Eng. Abstr.) **(Fre)**

[Associated compression of the celiac trunk, superior mesenteric artery and aorta by the arcuate ligament of the diaphragm] Bacourt F, et al. **Presse Med** 1984 Mar 24; 13(12):731–2 (Eng. Abstr.) **(Fre)**

[Fibrodysplasia of the media of the iliac artery: an unusual cause of chronic obliterative arteriopathy of the lower limbs] Pouchè A, et al. **Minerva Cardioangiol** 1983 Oct; 31(10):565–71 (Eng. Abstr.) **(Ita)**

[Complications following intraoperative radial artery cannulation] Ogasahara H, et al. **Masui** 1983 Aug; 32(8):995–1001 (Eng. Abstr.) **(Jpn)**

[Moyamoya disease—clinicopathological and etiological aspects] **No Shinkei Geka** 1983 Dec;11(12):1248–58 **(Jpn)**

[Exercise-related popliteal artery obstruction caused by Baker's cyst] Christensen O. **Tidsskr Nor Laegeforen** 1984 Feb 20;104(5):308–10 (Eng. Abstr.) **(Nor)**

[Traumatic occlusion of the middle cerebral artery: report of a case] De Araujo JC, et al. **Arq Neurospiquiatr** 1984 Mar;42(1):50–4 (Eng. Abstr.) **(Por)**

[Traumatic occlusion of the internal carotid artery in closed craniocervical trauma] Aldea H, et al. **Rev Med Interna [Neurol Psihiatr]** 1983 Jul–Sep; 28(3):197–203 (Eng. Abstr.) **(Rum)**

[Technic, hazards and complications of punctures and catheterization of peripheral arteries in anesthesiological and reanimatological practice] Gologorskiĭ VA, et al. **Anesteziol Reanimatol** 1983 Sep–Oct;(5):54–8 **(Rus)**

[Amyloidosis, periarteritis nodosa and the postural syndrome as causes of acute thrombosis of the major arteries of the extremities] Turbin BN, et al. **Khirurgiia (Mosk)** 1984 May; (5):90–3 **(Rus)**

FAMILIAL & GENETIC

Moyamoya syndrome in only one of two identical twins. Case report. Tanghetti B, et al. **J Neurosurg** 1983 Dec; 59(6):1092–4

IMMUNOLOGY

Free and complexed anti-lipoprotein antibodies in vascular diseases. Szondy E, et al. **Atherosclerosis** 1983 Oct; 49(1):69–77

Factor VIII-related antigen in occluded human arteries and grafts. Potter EV, et al. **Surgery** 1984 Jun;95(6):683–8

METABOLISM

High energy phosphate depletion and lactate accumulation in the interventricular septum and left ventricular free wall of the dog after total coronary occlusion. Dunn RB. **Circ Res** 1984 Apr;54(4):405–13

Cutaneous oxygen tension measurements in patients with various peripheral circulatory disturbances of the skin. Nishioka K, et al. **J Dermatol (Tokyo)** 1983 Apr;10(2):133–6

Effects of 4-(o-benzylphenoxy)-N-methylbutylamine hydrochloride (MCI-2016) on survival time and brain monoamine levels in bilaterally carotid-artery-ligated gerbils. Egawa M, et al. **Jpn J Pharmacol** 1984 Mar; 34(3):363–5

MORTALITY

Acute arterial thrombosis of the lower extremity. Its natural history contrasted with arterial embolism. Cambria RP, et al. **Arch Surg** 1984 Jul;119(7):784–7

Long term prognosis after occlusion of middle cerebral artery. Sacquegna T, et al. **Br Med J [Clin Res]** 1984 May 19;288(6429):1490–1

OCCURRENCE

Stenosis following carotid endarterectomy. Its implication in management of asymptomatic carotid stenosis. Colgan MP, et al. **Arch Surg** 1984 Sep;119(9):1033–5

Racial differences in the distribution of anterior circulation occlusive disease. Gorelick PB, et al. **Neurology (NY)** 1984 Jan;34(1):54–9

PATHOLOGY

Occlusion of the basilar artery. A clinical and pathological study of thirteen autopsied cases. Hashizume Y, et al. **Acta Pathol Jpn** 1984 Jan;34(1):29–40

Regional myocardial blood flow and necrosis in primates following coronary occlusion. Lavallee M, et al. **Am J Physiol** 1984 Apr;246(4 Pt 2):H635–9

Recurrent cystic adventitial disease of the radial artery. Absoud EM. **Angiology** 1984 Apr;35(4):257–60

Fibromuscular dysplasia of the basilar artery. Case report with autopsy verification. Hegedüs K, et al. **Arch Neurol** 1984 Apr;41(4):440–2

Myocardial and renal arteriolar thickening in cigarette smokers. Oberai B, et al. **Atherosclerosis** 1984 Aug; 52(2):185–90

Ultrastructural studies of cerebral arteries and collateral vessels in moyamoya disease. Takebayashi S, et al. **Stroke** 1984 Jul–Aug;15(4):728–32

Variability of carotid bruit spectral analysis. Salvian AJ, et al. **Surg Gynecol Obstet** 1984 Sep;159(3):277–80

Cystic adventitial degeneration of the popliteal artery. Ohta T, et al. **Vasa** 1983;12(3):284–8

[Anatomopathological aspects of arterial angiodysplasias] Chomette G, et al. **Ann Med Interne (Paris)** 1983; 134(5):444–50 (Eng. Abstr.) **(Fre)**

[Clinical aspects of arterial insufficiency of the lower extremities. Side-branch thrombosis and arterio-arterial embolism] Krahenbuhl B. **Schweiz Med Wochenschr** 1983 Dec 10;113(49):1828–30 (Eng. Abstr.) **(Fre)**

[A method of dissection of the human lower limb in occlusion of the major arteries] Permiakov NK, et al. **Arkh Patol** 1984;46(2):78–80 (Eng. Abstr.) **(Rus)**

[Surgical tactics in gangrene of the limb caused by acute arterial obstruction] Savel'ev VS, et al. **Khirurgiia (Mosk)** 1984 Apr;(4):112–7 **(Rus)**

PHYSIOPATHOLOGY

Arterial pressure measurements correlated to symptoms and signs of peripheral arterial disease. Belcaro G, et al. **Acta Chir Belg** 1983 Sep–Oct;83(5):320–6

Delayed distal blood pressure rise after partial arterial reconstruction for combined aorto–iliac and superficial femoral artery occlusive disease. Hesselfeldt J, et al. **Acta Chir Scand** 1983;149(7):691–4

Transmural DC electrograms after coronary artery occlusion and latex embolization in pigs. Cinca J, et al. **Am J Physiol** 1984 Apr;246(4 Pt 2):H475–82

Transmural changes in porcine and canine hearts after circumflex artery occlusion. McDonough KH, et al. **Am J Physiol** 1984 Apr;246(4 Pt 2):H601–7

Pulsed Doppler assessment of deep femoral artery hemodynamics: a preliminary report. Marquis C, et al. **Angiology** 1984 May;35(5):269–75

Interpretation of Doppler segmental pressures in peripheral vascular occlusive disease. Lynch TG, et al. **Arch Surg** 1984 Apr;119(4):465–7

Numerical study on post-stenotic dilatation. Kawaguti M, et al. **Biorheology** 1983;20(5):507–18

Experimental carotid occlusion: funduscopic and fluorescein angiographic findings. Spertus AD, et al. **Br J Ophthalmol** 1984 Jan;68(1):47–57

Left ventricular adaptation to sustained pressure overload in the conscious dog. Crozatier B, et al. **Circ Res** 1984 Jan;54(1):21–9

Reactive dilation of large coronary arteries in conscious dogs. Hintze TH, et al. **Circ Res** 1984 Jan;54(1):50–7

CBF measured by the Xenon–133 inhalation technique and quantified EGG (qEEG) investigations in patients with unilateral internal carotid artery occlusion. Mosmans PC, et al. **Clin Neurol Neurosurg** 1983;85(3):155–64

Forefoot capillary filtration rate measured during lowering in normal subjects and in patients with occlusive arterial disease before and after arterial reconstruction. Eickhoff JH. **Clin Physiol** 1984 Aug;4(4):321–31

Skin perfusion pressure measured by isotope washout in legs with arterial occlusive disease. Evaluation of different tracers, comparison to segmental systolic pressure, angiography and transcutaneous oxygen tension and variations during changes in systemic blood pressure. Holstein P, et al. **Clin Physiol** 1983 Aug;3(4):313–24

Nocturnal foot blood flow in patients with arterial insufficiency. Jelnes R, et al. **Clin Sci** 1984 Jul;67(1):89–95

Cerebrovascular Moyamoya disease. Yamashiro Y, et al. **Eur J Pediatr** 1984 Apr;142(1):44–50 (45 ref.)

Reductions in coronary flow under resting conditions in collateral–dependent myocardium of patients with complete occlusion of the left anterior descending coronary artery. Arani DT, et al. **J Am Coll Cardiol** 1984 Mar; 3(3):668–74

Acute increase in anastomotic bronchial blood flow after pulmonary arterial obstruction. Jindal SK, et al. **J Appl Physiol** 1984 Aug;57(2):424–8

Autoregressive spectral estimation of poststenotic blood flow disturbances. Giddens DP, et al. **J Biomech Eng** 1983 Nov; 105(4):401–4

Analysis of blood velocity waveforms by phase shift averaging and autoregressive spectral estimation. Kitney RI, et al. **J Biomech Eng** 1983 Nov;105(4):398–401

Nonlinear pulse wave reflection at an arterial stenosis. Pedley TJ. **J Biomech Eng** 1983 Nov;105(4):353–9

Nifedipine prevents sympathetic vasoconstriction distal to severe coronary stenoses. Heusch G, et al. **J Cardiovasc Pharmacol** 1984 May–Jun;6(3):378–83

Reflex influence of selective coronary artery occlusion on the total capacitance vasculature in the dog. Rutlen DL, et al. **J Clin Invest** 1984 Jan;73(1):241–50

Evaluation of cerebral perfusion reserve in patients with carotid–artery occlusion. Gibbs JM, et al. **Lancet** 1984 Jan 28;1(8370):182–6

Evaluation of cerebral perfusion reserve in patients with carotid–artery occlusion. Gibbs JM, et al. **Lancet** 1984 Feb 11;1(8372):310–4

Flow in a curved tube with constriction—an application to the arterial system. Padmanabhan N, et al. **Med Biol Eng Comput** 1984 May;22(3):216–24

Fibromuscular dysplasia of arteries: a spastic phenomenon? Fievez ML. **Med Hypotheses** 1984 Mar;13(3):341–9

Difference in critical rCBF level of ischemia between children and adults. Naritomi H, et al. **Monogr Neural Sci** 1984;11:17–21

Cerebral blood flow and CO2 reactivity in transient ischemic attacks: comparison between TIAs due to the ICA occlusion and ICA mild stenosis. Tsuda Y, et al. **Neurol Res** 1983;5(3):17–37

Bi–hemispheric CBF and its CO2 reactivity of TIAs and completed strokes in ICA occlusions. Tsuda Y, et al. **Neurol Res** 1983;5(3):1–15

Pathophysiology of extracranial cerebral arterial stenosis—a critical review. Grady PA. **Stroke** 1984 Mar–Apr; 15(2):224–36 (197 ref.)

Cerebral blood flow in the four–vessel occlusion rat model [letter] Pulsinelli WA, et al. **Stroke** 1983 Sep–Oct; 14(5):832–4

Indirect assessment of carotid occlusive disease by ocular pneumoplethysmography. 500 mm Hg vacuum pressure measurements and ocular pulse timing. Schwartz JA, et al. **Stroke** 1984 May–Jun;15(3):521–6

Pial arterial pressure in cats following middle cerebral artery occlusion. 1. Relationship to blood flow, regulation of blood flow and electrophysiological function. Shima T, et al. **Stroke** 1983 Sep–Oct;14(5):713–9

Middle cerebral artery perfusion pressure in cerebrovascular occlusive disease. Spetzler RF, et al. **Stroke** 1983 Jul–Aug; 14(4):552–5

Cerebral blood flow measurement in cerebrovascular occlusive diseases. Yanagihara T, et al. **Stroke** 1984 Sep–Oct;15(5):816–22

The effect of exercise upon cutaneous oxygen delivery in the extremities of patients with claudication and in a human laboratory model of claudication. Matsen FA 3d, et al. **Surg Gynecol Obstet** 1984 Jun;158(6):522–8

Pathophysiologic classification of peripheral vascular disease by positional changes in regional transcutaneous oxygen tension. Hauser CJ, et al. **Surgery** 1984 Jun;95(6):689–93

The natural history of atherosclerotic and fibrous renal artery disease. Schreiber MJ, et al. **Urol Clin North Am** 1984 Aug; 11(3):383–92

[Electroencephalographic analysis of 65 cases with occlusive cerebrovascular diseases of the carotid artery system] Huang YG. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1983 Jun; 16(3):165–7 (Eng. Abstr.) **(Chi)**

[Calculation of the regional perfusion index by transcutaneous oximetry in arteritis of the lower limbs (letter)] Gaucher L, et al. **Presse Med** 1984 Jul 14–21; 13(29):1790 **(Fre)**

[Arterial pressure in the toes of patients with obliterative arteriopathy of the legs] Di Nardo E, et al. **Ann Ital Chir** 1984;56(1):81–6 (Eng. Abstr.) **(Ita)**

[Blood filterability in peripheral obstructive arterial disease] Pretolani E, et al. **Boll Soc Ital Biol Sper** 1983 Dec 30; 59(12):1812–8 (Eng. Abstr.) **(Ita)**

[Blood flow velocity study of the behavior of the superficial epigastric artery in obstructive iliac–femoral arteriopathy] Mascoli F, et al. **Minerva Cardioangiol** 1984 Apr; 32(4):227–30 (Eng. Abstr.) **(Ita)**

[Use of encapsulated liquid crystal slabs in peripheral arteriopathies. Preliminary report] Belcaro G, et al. **Minerva Chir** 1984 Mar 15;39(5):291–4 (Eng. Abstr.) **(Ita)**

[Cerebral hemodynamics in patients with moyamoya disease (Part II). Evaluation of regional cerebral blood flow by 133Xe inhalation methods] Takeuchi S. **Neurol Med Chir (Tokyo)** 1983 Sep;23(9):720–8 (Eng. Abstr.) **(Jpn)**

[Cerebral hemodynamics in patients with moyamoya disease (Part I). Evaluation of epicerebral microcirculation by fluorescein angiography] Takeuchi S. **Neurol Med Chir (Tokyo)** 1983 Sep;23(9):711–9 (Eng. Abstr.) **(Jpn)**

[Effect of occlusion of the common carotid arteries and arterial blood pressure changes on the bioelectric activity of the rat brain] Kapuściński A. **Neuropatol Pol** 1983; 21(3):419–26 (Eng. Abstr.) **(Pol)**

[Individualization of a correlation factor in the calculation of systolic acceleration by quantitative evaluation of the Doppler velocity curve] Pola P, et al. **Angiologia** 1984 Sep–Oct;36(5):232–43 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Pharmacological prevention of thrombotic occlusion in arterial reconstructive surgery. Bergqvist D. **Acta Chir Scand** 1983;149(8):721–7 (34 ref.)

Acute coronary artery occlusion–reperfusion arrhythmias in pigs: antiarrhythmic and antifibrillatory evaluation of verapamil, nifedipine, prenylamine and propranolol. Bergey JL, et al. **Eur J Pharmacol** 1984 Jan 13;97(1–2):95–103

Ethanol and arterial disease [letter] Mikhailidis DP, et al. **N Engl J Med** 1984 Aug 23;311(8):537–8

PSYCHOLOGY

Intelligence in children with moyamoya disease: evaluation after surgical treatments with special reference to changes in cerebral blood flow. Ishii R, et al. **Stroke** 1984 Sep–Oct; 15(5):873–7

RADIOGRAPHY

Spontaneous disappearance of extracranial internal carotid artery occlusions. Bernini F, et al. **Acta Neurol (Napoli)** 1983 Aug;5(4):260–7

Intravenous digital subtraction angiography. Collateral circulation to 'empty leg'. Conrad C, et al. **Acta Radiol [Diagn] (Stockh)** 1983;24(5):369–73

Ischemic chiasmal syndrome and hypopituitarism associated with progressive cerebrovascular occlusive disease. Ahmadi J, et al. **AJNR** 1984 Jul–Aug;5(4):367–72

Posterior circulation intracranial arterial occlusive disease in neurofibromatosis. Gebarski SS, et al. **AJNR** 1983 Nov–Dec;4(6):1245–6

Optimal use of tolazoline in arteriography. Friedman J, et al. **AJR** 1984 Apr;142(4):817–20

Contrast media hyperemia and Doppler measurements in peripheral arterial disease. Lipchik EO, et al. **AJR** 1984 Jan;142(1):133–5

Arterial manifestations of Behçet disease. Park JH, et al. **AJR** 1984 Oct;143(4):821–5

Intravenous digital subtraction angiography of the nearly occluded internal carotid artery. Seeger JF, et al. **AJR** 1984 Apr;142(4):791–6

Renovascular hypertension in middle–aged females. Rubin E, et al. **Ala J Med Sci** 1984 Jul;21(3):272–4

Use of computerized tomography to assess myocardial infarct size and ventricular function in dogs during acute coronary occlusion and reperfusion. Mancini GB, et al. **Am J Cardiol** 1984 Jan 15;53(2):282–9

Asymptomatic carotid arterial disease in patients presenting with angiographically proven coronary artery disease. Andersen CA, et al. **Am Surg** 1984 Sep;50(9):473–5

Common carotid occlusion. Assessment of the distal vessels. Riles TS, et al. **Ann Surg** 1984 Mar;199(3):363–6

The utility of digital subtraction arteriography in peripheral vascular disease. Kubal WS, et al. **Cardiovasc Intervent Radiol** 1983;6(4–6):241–9

Two cases of spontaneous lysis of arterial thrombi. Weiner MA, et al. **Cardiovasc Intervent Radiol** 1984;7(1):24–7

Digital subtraction angiography in peripheral vascular disease—a surgeon's view. Whittemore AD. **Cardiovasc Intervent Radiol** 1983;6(4–6):250–1

Brain base abnormal vascular network. Clinical and radiologic analysis of 27 cases. Wang GX, et al. **Chin Med J [Engl]** 1983 Aug;96(8):583–90

Quantification of relative coronary arterial stenosis by cinevideodensitometric analysis of coronary arteriograms. Nichols AB, et al. **Circulation** 1984 Mar;69(3):512–22

A comparison of nuclear magnetic resonance and intravenous xeroangiography with conventional arteriography in popliteal artery imaging. Reynolds JR, et al. **Clin Radiol** 1984 Sep;35(5):409–12

Childhood moyamoya presenting as dementia: report of a case. Levin SD, et al. **Dev Med Child Neurol** 1983 Dec; 25(6):794–7

Fibromuscular dysplasia of the right subclavian artery. Becquemin JP, et al. **Eur J Radiol** 1983 Nov;3(4):378–9

Fibromuscular dysplasia, a pitfall in intravenous digital subtraction angiography. Busch HP, et al. **Eur J Radiol** 1984 Feb;4(1):42–3

Iohexol and iopromide—two new non–ionic water–soluble radiographic contrast media: randomized, intraindividual double–blind study versus ioxaglate in peripheral angiography. Hagen B. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1983; 118:107–14

Haemodynamic side effects of meglumine ioglicate, meglumine sodium ioxaglate and iohexol in aortofemoral angiography: comparison of a high–osmolar and two low–osmolar radiological contrast media. Wiebe V, et al. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1983; 118:78–84

Reactive hyperemia vs. pharmacologic hyperemia in the canine iliac circulation. A comparison. Beckmann CF, et al. **Invest Radiol** 1983 May–Jun;18(3):254–6

Moyamoya syndrome in twins [letter] Aoki N. **J Neurosurg** 1984 Sep;61(3):617

Does moyamoya disease cause subarachnoid hemorrhage? Review of 54 cases with intracranial hemorrhage confirmed by computerized tomography. Aoki N, et al. **J Neurosurg** 1984 Feb;60(2):348–53

Intravenous digital subtraction angiography in the assessment of patients for carotid endarterectomy. Kaye AH, et al. **J Neurosurg** 1983 Nov;59(5):835–8

Digital subtraction angiography in pediatric cerebrovascular occlusive disease. Faerber EN, et al. **Radiology** 1984 Aug; 152(2):391–4

Intravenous DSA examination of patients with suspected cerebral ischemia. Foley WD, et al. **Radiology** 1984 Jun; 151(3):651–9

Mapping cerebral blood flow by xenon–enhanced computed tomography: clinical experience. Yonas H, et al. **Radiology** 1984 Aug;152(2):435–42

Relationship of mammographic intra–arterial calcifications and diabetes. Schmitt EL, et al. **South Med J** 1984 Aug; 77(8):988–9

Occlusive thromboaortopathy (Takayasu's disease): cervical arterial stenoses, retinal arterial pressure, retinal microaneurysms and prognosis. Ishikawa K, et al. **Stroke** 1983 Sep–Oct;14(5):730–5

The isolated occlusion of the angular gyri artery. A correlative neurological and anatomical study—case report. Marinkovic SV, et al. **Stroke** 1984 Mar–Apr;15(2):366–70

Moyamoya disease associated with bilateral occlusion of the vertebral artery. Miyamoto S, et al. **Surg Neurol** 1984 Jul; 22(1):21–8

Subarachnoid hemorrhage in an adolescent with spontaneous occlusion of the left middle cerebral artery and reconstruction by collateral vessels (Moyamoya phenomenon). Walsh JW, et al. **Surg Neurol** 1984 Jan; 21(1):30–4

[CT diagnosis in three types of cerebrovascular diseases] Wu EH. **Chung Hua Fang She Hsueh Tsa Chih** 1984 Feb; 18(1):14–6 (Eng. Abstr.) **(Chi)**

[Cerebral angiographic manifestations of occlusive cerebrovascular diseases—analysis of 134 cases] Wang GX. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1983 Jun; 16(3):157–60 (Eng. Abstr.) **(Chi)**

[Digital angiography and percutaneous endoluminal angioplasty] Pernes JM, et al. **Acta Belg Med Phys** 1983 Jul–Sep;6(3):81–4 **(Fre)**

[Indications for arteriography for chronic obliterative arteriopathy of the lower extremities] Michel JB, et al. **Arch Mal Coeur** 1984 Jun;77(6):712–8 (Eng. Abstr.) **(Fre)**

[Coronarography by percutaneous puncture of the axillary artery. Value in arteriopathies of the lower limbs] Valeix B, et al. **Arch Mal Coeur** 1984 Jan;77(1):12–20 (Eng. Abstr.) **(Fre)**

[Preoperative intra-arterial digital subtraction angiography in aortoiliac vascular occlusion] Busch P, et al. **Langenbecks Arch Chir** 1983;360(4):287–93 (Eng. Abstr.) **(Ger)**

[Intravenous digital subtraction angiography (i.v. DSA) of the leg arteries using a movable table] Harder T, et al. **ROFO** 1984 Jun;140(6):690–5 (Eng. Abstr.) **(Ger)**

[Fibromuscular dysplasia of the internal carotid artery] Zanella FE, et al. **ROFO** 1984 Jul;141(1):53–6 (Eng. Abstr.) **(Ger)**

[Study on the vertebro-basilar system in 'moyamoya' disease] Miyamoto S, et al. **No To Shinkei** 1984 May;36(5):491–9 (Eng. Abstr.) **(Jpn)**

[Dynamic isotope angiography] Müller C, et al. **Tidsskr Nor Laegeforen** 1984 Jan 10;104(1):31–3 (Eng. Abstr.) **(Nor)**

[X-ray-angiographic studies in the diagnosis of occlusive lesions of the major arteries of the lower extremities] Rizaev MN, et al. **Klin Khir** 1983 Jul;(7):51–3 (Eng. Abstr.) **(Rus)**

[Method of administering the contrast medium in aorto-ilio-femoral occlusions] Anisimov VF. **Vestn Khir** 1984 Mar;132(3):126–7 **(Rus)**

[Economic method of arteriography in patients with acute and chronic arterial obstruction of the extremities] Prokubovskiĭ VI, et al. **Vestn Rentgenol Radiol** 1984 Jan–Feb;(1):66–70 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Time to completed redistribution of thallium-201 in exercise myocardial scintigraphy: relationship to the degree of coronary artery stenosis. Gutman J, et al. **Am Heart J** 1983 Nov;106(5 Pt 1):989–95

Decrease in thallium-201 image defect size after permanent coronary occlusion. Schwartz JS, et al. **Am Heart J** 1983 Nov;106(5 Pt 1):1082–8

Evaluation of intravenous radionuclide angiography in detection of occlusive disease of the iliac arteries. Hartling OJ, et al. **Eur J Radiol** 1984 Aug;4(3):205–9

Quantitative evaluation of exercise T1-201 myocardial scintigraphy before and after transluminal coronary angioplasty. A preliminary report. Kanemoto N, et al. **Jpn Heart J** 1983 Nov;24(6):891–907

Leg perfusion evaluated by delayed administration of thallium-201. Burt RW, et al. **Radiology** 1984 Apr; 151(1):219–24

[Radionuclide tests of various arterial diseases] Funaki R, et al. **Rinsho Hoshasen** 1981 Dec;26(13):1425–8 (Eng. Abstr.) **(Jpn)**

REHABILITATION

[Diagnosis, surgical treatment and physical retraining in peripheral vascular disorders] Barroy JP, et al. **Acta Belg Med Phys** 1983 Jul–Sep;6(3):107–9 **(Fre)**

SURGERY

Subclavian-carotid transposition. Experience in 33 cases. Lerut J, et al. **Acta Chir Belg** 1983 Jul–Aug;83(4):270–5

Effect of reconstructive surgery on the blood flow in the extremities. Early and late results. Solti F, et al. **Acta Chir Hung** 1983;24(3):161–7

Reconstructive vascular surgery in diabetic patients with peripheral arterial insufficiency. Angquist KA, et al. **Acta Med Scand [Suppl]** 1984;687:85–8

Selection of amputation level. Comparison between morphine puncture test and skin perfusion pressure. Møller BN, et al. **Acta Orthop Scand** 1983 Dec;54(6):943–5

Stroke after carotid endarterectomy: risk as predicted by preoperative computerized tomography. Graber JN, et al. **Am J Surg** 1984 Apr;147(4):492–7

Transcutaneous oxygen tension in selection of amputation level. Katsamouris A, et al. **Am J Surg** 1984 Apr; 147(4):510–7

Another alternative in leg revascularization. Shook CD, et al. **Am J Surg** 1984 Aug;148(2):224–8

Risk-benefit ratio in arterial surgery [editorial] Simeone FA. **Am J Surg** 1984 Sep;148(3):299–300

The management of brachiocephalic occlusive disease. Edwards WH, et al. **Am Surg** 1983 Sep;49(9):465–71

Revascularization of the profunda femoris artery for limb salvage. Jamil Z, et al. **Am Surg** 1984 Feb;50(2):109–11

Radionuclide assessment of cardiac function. Pre-operative evaluation of patients with abdominal aortic occlusive disease undergoing aortobifemoral bypass grafting. Commin P, et al. **Anaesthesia** 1984 Apr;39(4):319–23

Femoral profunda angioplasty: sparing the saphenous vein with on-lay angioplasty. Røder OC, et al. **Ann Chir Gynaecol** 1983;72(5):257–9

Ureteric obstruction after dacron vascular replacement. Thomas JM, et al. **Ann R Coll Surg Engl** 1983 Nov; 65(6):385–8

Aortic and renal vascular disease. Factors affecting the value of combined procedures. Dean RH, et al. **Ann Surg** 1984 Sep;200(3):336–44

Aspirin and dipyridamole reduce platelet deposition on prosthetic femoro-popliteal grafts in man. Goldman MD, et al. **Ann Surg** 1983 Dec;198(6):713–6

Recurrent carotid artery stenosis following endarterectomy. Thomas M, et al. **Ann Surg** 1984 Jul;200(1):74–9

A comparison of retrograde cardioplegia versus antegrade cardioplegia in the presence of coronary artery obstruction. Gundry SR, et al. **Ann Thorac Surg** 1984 Aug;38(2):124–7

Combined operative angiodilation and arterial reconstruction for limb salvage. Corey CJ, et al. **Arch Surg** 1983 Nov; 118(11):1289–92

The importance of abdominal wall collateral blood vessels. Planning incisions and obtaining arteriography. Krupski WC, et al. **Arch Surg** 1984 Jul;119(7):854–7

Crossover femorofemoropopliteal sequential bypass for combined ipsilateral iliac and femoropopliteal occlusive disease. Schuler JJ, et al. **Arch Surg** 1984 Apr;119(4):456–61

Adductor canal compression syndrome. Verta MJ Jr, et al. **Arch Surg** 1984 Mar;119(3):345–6

Focal motor seizures complicating carotid endarterectomy. Youkey JR, et al. **Arch Surg** 1984 Sep;119(9):1080–4

Fibromuscular dysplasia of the carotid artery. Effeney DJ, et al. **Aust NZ J Surg** 1983 Dec;53(6):527–31

Coeliac axis occlusion: successful treatment by ileo-hepatic bypass. Einarsson O, et al. **Br J Surg** 1984 May;71(5):350

Management of acute brachial artery occlusion due to trauma or emboli. Lambert M, et al. **Br J Surg** 1983 Oct; 70(10):639–40

Long term results of 66 femoral-to-femoral by-pass grafts: a 9-year follow-up. Mosley JG, et al. **Br J Surg** 1983 Oct; 70(10):631–4

Management of gangrene in diabetic extremities. Pitt DF. **Can J Surg** 1984 Jul;27(4):386–9

Moyamoya disease in children and its surgical treatment. Introduction of a new surgical procedure and its follow-up angiograms. Matsushima Y, et al. **Childs Brain** 1984; 11(3):155–70

Patency of the primary pedal arch, blood flow through a femoro-tibial graft, and the role of a distal arteriovenous shunt. Campbell H, et al. **J Cardiovasc Surg (Torino)** 1983 Sep–Oct;24(5):490–2

Surgery of carotid kinking and fibromuscular dysplasia. Danza R, et al. **J Cardiovasc Surg (Torino)** 1983 Nov–Dec; 24(6):628–33

Ilio-femoral and femoro-femoral crossover grafting. Analysis of an 11-year experience. Devolfe C, et al. **J Cardiovasc Surg (Torino)** 1983 Nov–Dec;24(6):634–40

High aortoiliac occlusion: treatment with thoracic aorta to femoral arterial bypass. Lakner G, et al. **J Cardiovasc Surg (Torino)** 1983 Sep–Oct;24(5):532–4

Aorto-iliac reconstruction with Dacron double velour. Lindenauer SM, et al. **J Cardiovasc Surg (Torino)** 1984 Jan–Feb;25(1):36–42

Sexual function after aorto-iliac vascular reconstruction. Which is more important, the internal iliac artery or hypogastric nerve? Ohshiro T, et al. **J Cardiovasc Surg (Torino)** 1984 Jan–Feb;25(1):47–50

Surgical repair of vertebral artery stenoses. Thevenet A, et al. **J Cardiovasc Surg (Torino)** 1984 Mar–Apr;25(2):101–10

Changes in intracranial stenotic lesions after extracranial–intracranial bypass surgery. Awad I, et al. **J Neurosurg** 1984 Apr;60(4):771–6

Indications for surgical intervention in middle cerebral artery obstruction. Day AL. **J Neurosurg** 1984 Feb;60(2):296–304

Prediction of improvement in ankle blood pressure following arterial bypass. Williams LR, et al. **J Surg Res** 1984 Sep; 37(3):175–9

Alterations in femoral artery hemodynamics associated with femoropopliteal bypass. Williams LR, et al. **J Surg Res** 1984 Feb;36(2):97–101

Microvascular anastomosis for the treatment of seizures in patients with cerebrovascular ischemia: a report of five cases. Ramos FM, et al. **Neurosurgery** 1983 Dec;13(6):646–9

Profundaplasty as an alternative to femoropopliteal by-pass in occlusions of the superficial femoral artery. Moggi L, et al. **Panminerva Med** 1984 Jan–Mar;26(1):9–12

Knee salvage utilizing the myocutaneous principle. Greminger RF, et al. **Plast Reconstr Surg** 1984 Jan; 73(1):131–6

External carotid endarterectomy. Case reports. Levien LJ, et al. **S Afr Med J** 1983 Sep 28;64(14):541–4

Fibromuscular dysplasia of the extracranial carotid arteries. Case reports. Levien LJ, et al. **S Afr Med J** 1984 Feb 18; 65(7):261–5

Surgical management of obliterative disease of the brachiocephalic trunk. Experience from 24 cases. Ekeström S, et al. **Scand J Thorac Cardiovasc Surg** 1983;17(3):305–9

Factors affecting patency of femoropopliteal bypass grafts. Brewster DC, et al. **Surg Gynecol Obstet** 1983 Nov; 157(5):437–42

Occlusion of the innominate, common carotid, and subclavian arteries: long-term results of surgical treatment. Crawford ES, et al. **Surgery** 1983 Nov;94(5):781–91

Limitations of human umbilical vein grafts. Harris JP, et al. **Surgery** 1984 Jul;96(1):23–8

Bilateral occlusive carotid disease: simultaneous or staged operation? Grögler FM, et al. **Thorac Cardiovasc Surg** 1984 Feb;32(1):49–53

The in situ saphenous vein bypass. Gruss JD, et al. **Vasa** 1984;13(2):153–8

[Extensive endarterectomy of the left anterior descending artery] de Villiers WH, et al. **S Afr Med J** 1984 Feb 4; 65(5):174–6 (Eng. Abstr.) **(Afr)**

[Intracranial transplantation of free omentum for moyamoya disease] Xu WL. **Chung Hua Wai Ko Tsa Chih** 1984 Feb; 22(2):76–7 (Eng. Abstr.) **(Chi)**

[Does an ideal reconstructive method exist for the treatment of occlusions of the superficial femoral artery?] Bartoš J, et al. **Sb Lek** 1984 Feb;86(2–3):37–42 (Eng. Abstr.) **(Cze)**

[Subcutaneous dacron bypass. Operation for the treatment of aorto-iliac insufficiency] Kirkegaard-Jensen U. **Ugeskr Laeger** 1984 Feb 20;146(8):576–9 (Eng. Abstr.) **(Dan)**

[Our experience with interaxillary shunts. Apropos of 39 shunts. Technic, results, indications] Burnay J, et al. **J Chir (Paris)** 1984 Feb;121(2):119–21 (Eng. Abstr.) **(Fre)**

[165 bilateral atherosclerotic carotid occlusive lesions. Surgical and secondary risk] Cormier JM, et al. **J Chir (Paris)** 1984 Mar;121(3):151–8 (Eng. Abstr.) **(Fre)**

[Our experience with surgery of chronic obstructive lesions of the subclavian artery. Apropos of 94 procedures. Critical analysis of our results] Burnay J, et al. **J Mal Vasc** 1983; 8(3):249–52 (Eng. Abstr.) **(Fre)**

[Value of preoperative evaluation methods for the determination of amputation height in chronic arterial occlusive disease of Fontaine's stage IV (I)] Brückner L. **Beitr Orthop Traumatol** 1983 Dec;30(12):640–4 (Eng. Abstr.) **(Ger)**

[Indications for surgery of carotid artery stenosis with contralateral carotid occlusion] Comberg HU, et al. **Chirurg** 1984 Feb;55(2):100–5 (Eng. Abstr.) **(Ger)**

[Potency disorders before and after pelvic artery reconstruction: objectification by measuring penile artery pressure] Schweiger H, et al. **Chirurg** 1984 Feb;55(2):95–9 (Eng. Abstr.) **(Ger)**

[Surgical treatment of peripheral arterial occlusive diseases] Tuchmann A, et al. **Fortschr Med** 1983 Nov 17; 101(43):1958–61, 1964 (Eng. Abstr.) **(Ger)**

[Value of digital subtraction angiography in extra-anatomic bypass] Niederle B, et al. **ROFO** 1984 Mar;140(3):265–8 (Eng. Abstr.) **(Ger)**

[Cruro-pedal reconstructions in cross-sectional arterial occlusion of the distal lower leg (case reports)] Largiadèr J. **Vasa** 1984;13(1):24–31 (Eng. Abstr.) **(Ger)**

[Femoro-femoral bypass in unilateral pelvic artery occlusion: alternative or procedure of choice?] Schweiger H, et al. **Vasa** 1984;13(2):147–52 (Eng. Abstr.) **(Ger)**

[Acute bilateral arterial occlusion of the lower extremities] Hünicke H, et al. **Zentralbl Chir** 1984;109(13):882–6 **(Ger)**

[Knee joint articulation—alternative to distal femoral amputations in arterial occlusive disease stage III and IV] Krause U, et al. **Zentralbl Chir** 1984;109(6):436–40 **(Ger)**

[Late complications following vascular surgery] Preusser KP, et al. **Zentralbl Chir** 1984;109(13):876–9 **(Ger)**

[Stenosis of the common trunk of the left coronary artery: operative indications and risks] Barboso G, et al. **Acta Biomed Ateneo Parmense** 1983;54(4):337–41 (Eng. Abstr.) **(Ita)**

[Surgical treatment and anesthesiologic management of coronaropathy associated with carotid stenosis] Aru G, et al. **Boll Soc Ital Cardiol** 1982;27(6):543–8 **(Ita)**

[Our experience in emergency vascular surgery] Barone G, et al. **Minerva Cardioangiol** 1984 Mar;32(3):109–12 (Eng. Abstr.) **(Ita)**

[Surgical treatment of chronic obstructive arteriopathy of the lower extremities in patients over 70] Scattone S, et al. **Minerva Cardioangiol** 1983 Nov;31(11):659–61 (Eng. Abstr.) **(Ita)**

[Re-interventions in aorto-iliac vascular surgery] Scintu F, et al. **Minerva Cardioangiol** 1983 Nov;31(11):647–51 (Eng. Abstr.) **(Ita)**

[Role of monolateral by-pass in aorto-iliac vascular surgery] Scintu F. **Minerva Cardioangiol** 1983 Oct;31(10):561–4 (Eng. Abstr.) **(Ita)**

[Surgical treatment of chronic obliterating arteriopathies of the aorto-iliac axis] Spigonardo F, et al. **Minerva Cardioangiol** 1984 Jun;32(6):409–15 (Eng. Abstr.) **(Ita)**

[Aorto-iliaco-femoral extraperitoneal approach by thromboendarterectomy] Agrifoglio G, et al. **Minerva Chir** 1983 Oct 15;38(19):1405–8 **(Ita)**

[Angioplasty of the profunda femoris artery: indications, technics and results] Panier Suffat P, et al. **Minerva Chir** 1984 Mar 15;39(5):295–302 (Eng. Abstr.) **(Ita)**

[Reconstructive operation for moyamoya disease. Surgical indication for the hemorrhagic type, and preferable operative methods] Nakagawa Y, et al. **Neurol Med Chir (Tokyo)** 1983 Jun;23(6):464–70 (Eng. Abstr.) **(Jpn)**

[Surgical treatment of cerebrovascular crisis in acute aortic dissection] Shimazu K, et al. **Rinsho Kyobu Geka** 1983 May; 3(3):303–8 (Eng. Abstr.) **(Jpn)**

[Extra-anatomic bypass] Holme B, et al. **Tidsskr Nor Laegeforen** 1984 Jan 30;104(3):150–2 (Eng. Abstr.) **(Nor)**

[Repairing vascular surgery in the treatment of sexual impotence] Puech-Leão LE, et al. **AMB** 1983 Jul–Aug; 29(7–8):123–4 (Eng. Abstr.) **(Por)**

[Disobstruction of experimental stenosis of the carotid artery using a laser beam catheter] Armelin E, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1983 Jan–Feb;38(1):35–9 (Eng. Abstr.) **(Por)**

[Surgical treatment of stenosis of the right pulmonary artery

during radical correction of tetralogy of Fallot after earlier Waterstone–Cooley anastomosis] Burakovskiĭ VI, et al. **Grudn Khir** 1983 Sep–Oct;(5):37–41 (Eng. Abstr.) **(Rus)**

[Control of the adequacy of infusion therapy after operations on the major blood vessels] Ashurov BM, et al. **Khirurgiia (Mosk)** 1983 Dec;(12):49–54 (Eng. Abstr.) **(Rus)**

[Disorders of visceral circulation in stenosis of the coeliac trunk] Kniazev MD, et al. **Khirurgiia (Mosk)** 1984 May;(5):42–5 (Eng. Abstr.) **(Rus)**

[Extrathoracic methods of correcting combined lesions of the subclavian artery and bifurcation of the carotid artery] Pokrovskiĭ AV, et al. **Khirurgiia (Mosk)** 1984 May;(5):18–24 (Eng. Abstr.) **(Rus)**

[Venous thromboses and their complications in persons who have had amputations of the lower extremities for acute arterial obstruction] Savel'ev VS, et al. **Khirurgiia (Mosk)** 1984 May;(5):87–90 **(Rus)**

[Extra–anatomic shunting procedures in emergency vascular surgery] Vakhidov AV, et al. **Khirurgiia (Mosk)** 1984 May;(5):25–8 (Eng. Abstr.) **(Rus)**

[Sympathectomy in the treatment of obliterating endarteritis] Zakharova GN, et al. **Khirurgiia (Mosk)** 1984 May;(5):79–83 (Eng. Abstr.) **(Rus)**

[Surgical treatment of occlusions of the arteries of the femoro–popliteal segment using fresh allovenous transplants] Dotsenko AP, et al. **Klin Khir** 1984 Jul;(7):61–3 (Eng. Abstr.) **(Rus)**

[Postembolic occlusion of major vessels] Ivashchenko VV, et al. **Klin Khir** 1983 Jul;(7):71 **(Rus)**

[Extrathoracic reconstructive surgery in the brachiocephalic zone] Izmukhanov AK, et al. **Klin Khir** 1983 Jul;(7):4–6 (Eng. Abstr.) **(Rus)**

[Risk factors for disorders in renal and upper urinary tract function after reconstructive surgery for occlusive lesions of the aorto–iliac segment] Khakimov ShSh. **Klin Khir** 1983 Dec;(12):18–20 (Eng. Abstr.) **(Rus)**

[Amputation after reconstructive surgery on the arteries of the lower extremities] Kniazev MD, et al. **Klin Khir** 1984 Jul;(7):14–7 (Eng. Abstr.) **(Rus)**

[Repeated surgical interventions in reocclusions of major arteries of the aorto–iliac and femoro–popliteal segments] Rotkov IL, et al. **Klin Khir** 1983 Jul;(7):68–9 **(Rus)**

[The deep femoral artery and its role in vascular reconstructive surgery] Sukharev II, et al. **Klin Khir** 1984 Jul;(7):46–8 (Eng. Abstr.) **(Rus)**

[Reconstructive surgery in the treatment of obliterating diseases of the aorta and vessels of the ileo–femoral segment] Sukharev II, et al. **Klin Khir** 1983 Jul;(7):49–51 (Eng. Abstr.) **(Rus)**

[10 years patency of endarterectomized femoral arteries] Zyrianov BN, et al. **Klin Khir** 1983 Jul;(7):69–70 **(Rus)**

[Revascularization syndrome in the surgery of acute embolic arterial occlusions of the limbs] Ivashchenko VV. **Vestn Khir** 1983 Sep;131(9):13–9 (Eng. Abstr.) **(Rus)**

[Late results of surgical treatment of renovascular hypertension in children and adolescents] Namazbekov MN, et al. **Vestn Khir** 1984 Jun;132(6):74–7 (Eng. Abstr.) **(Rus)**

[Intraoperative hemodilution during reconstructive surgery on the aortofemoral segment] Polushin IuS, et al. **Vestn Khir** 1983 Aug;131(8):90–4 (Eng. Abstr.) **(Rus)**

[Surgical tactics in occlusive lesions of visceral arteries associated with occlusion of the aorta or its branches] Ratner GL, et al. **Vestn Khir** 1983 Sep;131(9):3–6 (Eng. Abstr.) **(Rus)**

[Transluminal arterial dilatation in the surgical treatment of acute arterial occlusion] Vakhidov AV, et al. **Vestn Khir** 1984 Jun;132(6):33–6 (Eng. Abstr.) **(Rus)**

[Reconstructive surgery of the terminal aorta and arteries of the lower limbs in patients over 60] Vakhidov VV, et al. **Vestn Khir** 1983 Sep;131(9):6–9 (Eng. Abstr.) **(Rus)**

[Ureteral complications after aorto–ilio–femoral surgery. Review of 46 cases] Muruamendiaraz V, et al. **Arch Esp Urol** 1984 Jan–Feb;37(1):17–31 (Eng. Abstr.) **(Spa)**

THERAPY

Percutaneous transluminal angioplasty for arterial disease of the lower extremities. Katzen BT. **AJR** 1984 Jan; 142(1):23–5

Percutaneous recanalization of iliac artery occlusions: an alternative to surgery in the high–risk patient. Pilla TJ, et al. **AJR** 1984 Aug;143(2):313–6

Percutaneous transluminal coronary angioplasty for stenosis of the ostium of the right coronary artery after irradiation for Hodgkin's disease. Nakhjavan FK, et al. **Am J Cardiol** 1984 Jan 15;53(2):341–2

Successful recanalization of a left main coronary artery occlusion. von Essen R, et al. **Am J Cardiol** 1984 Jan 15; 53(2):356–7

Local thrombolysis in arterial occlusive disease. Slany J, et al. **Angiology** 1984 Apr;35(4):231–7

Percutaneous dilatation of lower leg arteries. Haapanen A, et al. **Ann Clin Res** 1984;16 Suppl 40:7–9

Percutaneous phenol neurolysis of the lumbar sympathetic chain with computed tomography control. Dondelinger R, et al. **Ann Radiol (Paris)** 1984 Apr–May;27(4):376–9

Percutaneous transluminal dilatation and recanalization: long–term results and report on experience with a new catheter system. Olbert F, et al. **Ann Radiol (Paris)** 1984 Apr–May;27(4):349–56

Distal coronary artery dissection following percutaneous transluminal coronary angioplasty. Murphy DA, et al. **Ann Thorac Surg** 1984 Jun;37(6):473–8

Treatment of the totally occluded carotid artery. Jordan BP, et al. **Arch Surg** 1984 Aug;119(8):952–5

Percutaneous transluminal angioplasty of iliac arteries: the importance of functional studies. Fradet G, et al. **Can J Surg** 1984 Jul;27(4):359–61

Angioplasty with streptokinase infusion of a totally occluded Dacron femoropopliteal graft. Galichia JP, et al. **Cardiovasc Intervent Radiol** 1984;7(1):18–20

Superficial femoral artery occlusion: observations that influence patient selection criteria for angioplasty. Kinnison ML, et al. **Cardiovasc Intervent Radiol** 1984;7(2):102–3

Equipment choices, technical aspects and pitfalls of percutaneous transluminal angioplasty. Levin DC, et al. **Cardiovasc Intervent Radiol** 1984;7(1):1–10

Potential mechanisms of angioplasty. Wolf GL, et al. **Cardiovasc Intervent Radiol** 1984;7(1):11–7

The brachial artery method to peripheral transluminal angioplasty. Dorros G. **Cathet Cardiovasc Diagn** 1984; 10(2):115–27

Percutaneous transluminal angioplasty: review of iliac and femoral dilatations at the Cleveland Clinic. Graor RA, et al. **Cleve Clin Q** 1984 Spring;51(1):149–54

Percutaneous transluminal angioplasty in peripheral vascular disease. Legge D. **Ir Med J** 1984 Mar;77(3):85–7

Angioplasty in total coronary artery occlusion. Holmes DR Jr, et al. **J Am Coll Cardiol** 1984 Mar;3(3):845–9

Repeat coronary angioplasty. Meier B, et al. **J Am Coll Cardiol** 1984 Sep;4(3):463–6

Percutaneous transluminal angioplasty.Council on Scientific Affairs. **JAMA** 1984 Feb 10;251(6):764–8

Percutaneous transluminal angioplasty of the iliac arteries: intravenous digital subtraction angiography for follow-up. Schwarten DE. **Radiology** 1984 Feb;150(2):363–7

Isovolemic hemodilution as a functional therapy of decompensated arteriosclerotic stenoses of the femoral, cerebral and ophthalmic artery. Schmid–Schönbein H, et al. **Ric Clin Lab** 1983;13 Suppl 3:29–52

Percutaneous transluminal angioplasty. The radiologist's contribution to the treatment of vascular disease. Wilson AR, et al. **Surg Clin North Am** 1984 Feb;64(1):121–50 (209 ref.)

[Value of functional vascular study during endoluminal angioplasty in patients with obliterative arteriopathy of the legs] Martineaud JP, et al. **Ann Cardiol Angeiol (Paris)** 1984 Feb–Mar;33(2):75–81 (Eng. Abstr.) **(Fre)**

[A comparative study of percutaneous transluminal angioplasty of the iliac and femoropopliteal arteries in arterial disease of the lower extremities] Glock Y, et al. **Can J Surg** 1984 Jul;27(4):361–4 (Eng. Abstr.) **(Fre)**

[Percutaneous transluminal angioplasty of the lower extremities in the elderly] Creutzig A, et al. **Dtsch Med Wochenschr** 1983 Oct 14;108(41):1543–6 (Eng. Abstr.) **(Ger)**

[Methodology in angiologic–therapeutic–clinical research. Inter– and intra–individual comparison in arterial occlusive disease] Maass U. **Fortschr Med** 1983 Oct 27;101(40):1831–7 (Eng. Abstr.) **(Ger)**

[Results of special treatment methods of ischemic tissue lesions. Stage IV of arterial occlusive disease] Rieger H, et al. **Internist (Berlin)** 1984 Jul;25(7):434–8 **(Ger)**

[Late results of conservative therapy of arterial occlusive diseases] Schoop W. **Internist (Berlin)** 1984 Jul;25(7):429–33 **(Ger)**

[3 years' experience with intraoperative transluminal angioplasty—a retrospective study] Rendl KH, et al. **Langenbecks Arch Chir** 1983;360(4):295–301 (Eng. Abstr.) **(Ger)**

[Rosemary oil bath additive. Proof of effectiveness] Rulffs W. **MMW** 1984 Feb 24;126(8):207–8 **(Ger)**

[Analog puncture in angioplasty of high iliac occlusion] Deimer E, et al. **ROFO** 1984 May;140(5):613–4 **(Ger)**

[Pathomorphological changes after percutaneous transluminal angioplasty. Case report] Fröhlich H, et al. **ROFO** 1984 Jun;140(6):726–8 **(Ger)**

[Therapy of peripheral arterial occlusive diseases. Round table conference] Bollinger A, et al. **Schweiz Med Wochenschr** 1983 Dec 10;113(49):1834–6 **(Ger)**

[Late results of conservative therapy of arterial occlusive diseases] Schoop W. **Verh Dtsch Ges Herz Kreislaufforsch** 1983;49:181–7 **(Ger)**

[Percutaneous transluminal vasodilatation. Long–term results and report on experiences with a new system of catheters: transaxillary technic] Olbert F, et al. **Wien Klin Wochenschr** 1983 Aug 5;95(15):528–36 (Eng. Abstr.) **(Ger)**

[Characterization of the effect of retransfusion of UV–irradiated autologous blood—synoptic examination of clinical, metabolic, rheologic and hemodynamic results in patients with arterial occlusive disease] Scherf HP, et al. **Z Gesamte Inn Med** 1983 Sep 15;38(18):488–94 (Eng. Abstr.) **(Ger)**

[Effect of a 3–month–interval running exercise in combination with vasodilative therapy on microcirculation of the lower leg in peripheral arterial circulation disorders (stage I and II)] Siewert H, et al. **ZFA** 1983 Sep–Oct; 38(5):377–81 (Eng. Abstr.) **(Ger)**

[Peripheral arterial occlusions. Revision in diagnosis and therapy for the benefit of the patient] Hess H. **ZFA (Stuttgart)** 1984 Feb 20;60(5):201–7 **(Ger)**

[Percutaneous transluminal angioplasty of the lower extremities (editorial)] Engel A, et al. **Harefuah** 1983 Dec 1;105(11):381–2 **(Heb)**

[Can normovolemic hemodilution really modify blood flow in the limbs?] Guerrini M, et al. **Ric Clin Lab** 1983;13 Suppl 3:439–44 (Eng. Abstr.) **(Ita)**

[Therapeutic possibilities of lumbar sympathectomy in chronic obstructive arteriopathies of the pelvic limbs] Angelescu N, et al. **Rev Chir [Chir]** 1984 Jan–Feb; 33(1):23–8 (Eng. Abstr.) **(Rum)**

[Long–term novocaine blockade of the lumbar sympathetic ganglia in the treatment of obliterating diseases of the lower extremities] Bondarenko VA, et al. **Klin Khir** 1983 Jul;(7):70 **(Rus)**

[Left–sided thoracic sympathectomy in the treatment of obliterating diseases of the arteries of the extremities] Dzhumbaev SU, et al. **Klin Khir** 1984 Jul;(7):17–9 (Eng. Abstr.) **(Rus)**

[Treatment method in arterial obliterating diseases of the extremities using exposure to a 'traveling' alternating magnetic field] Gubka AV. **Klin Khir** 1983 Oct;(10):70–1 **(Rus)**

[Commissural novocaine blockade in the complex treatment of trophic disorders in obliterating diseases of the arteries of the extremities] Iagudin AM, et al. **Klin Khir** 1984 Jul; (7):77 **(Rus)**

[New conduction block in treating patients with arterial occlusive diseases of the lower extremities] Komarov IA, et al. **Klin Khir** 1983 Oct;(10):71–2 **(Rus)**

[Features of changes in peripheral hemodynamics during dosed physical loading in patients with thrombo–obliterating diseases of the arteries of the feet] Pirogova LA. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 Nov–Dec;(6):35–7 (Eng. Abstr.) **(Rus)**

ARTERIES

Recent advances in molecular pathology. The effects of hypertension on the arterial wall. Chobanian AV, et al. **Exp Mol Pathol** 1984 Aug;41(1):153–69 (98 ref.)

Intimal changes associated with arterial spasm induced by periarterial application of calcium chloride. Kurgan A, et al. **Exp Mol Pathol** 1983 Oct;39(2):176–93

The intra–arterial line: a site for obtaining coagulation studies. Pryor AC. **Heart Lung** 1983 Nov;12(6):586–90

Generation of the state sensitivity functions of a systemic arterial model. Hafez WA, et al. **IEEE Trans Biomed Eng** 1983 Dec;30(12):836–8

Target organ patterns of tumors in mice following the arterial dissemination of B16 melanoma cells. Weiss L, et al. **Int J Cancer** 1984 Jun 15;33(6):825–30

Spontaneous arterial disease in animals [editorial] Finlayson R. **J R Soc Med** 1983 Oct;76(10):811–3

[Idiopathic generalized calcinosis of the arteries as a cause of the sudden infant death syndrome] Khadasevich LS, et al. **Pediatriia** 1983 Jun;(6):63–4 **(Rus)**

[Physical rehabilitation of patients after arterial surgery] Iankelevich EI. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 Nov–Dec;(6):37–40 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

Treatment of the persistent sciatic artery. Mayschak DT, et al. **Ann Surg** 1984 Jan;199(1):69–74

Angiography of a hand with symptoms of an ulnar nerve entrapment syndrome. Kinnunen J, et al. **Eur J Radiol** 1984 Aug;4(3):181–2

Vascular strictures of the respiratory tract in children. Desnos J, et al. **Int J Pediatr Otorhinolaryngol** 1980 Nov; 2(4):269–85

Symposium: Congenital anomalies of the middle ear. II. Vascular anomalies of the middle ear. Storrs LA. **Laryngoscope** 1976 Feb;86(2):247–50

Association of persistent hypoglossal artery, multiple intracranial aneurysms, and polycystic disease. Kobayashi H, et al. **Surg Neurol** 1984 Mar;21(3):258–60

[Persistent sciatic artery. Apropos of a case, review of the literature] Jue–Denis P, et al. **J Chir (Paris)** 1984 Apr; 121(4):239–44 (26 ref.) (Eng. Abstr.) **(Fre)**

[Arteriographic observation of the origination of the occipital artery from the internal carotid artery—case report] Kegel W. **Rontgenblatter** 1984 Jul;37(7):259–60 (Eng. Abstr.) **(Ger)**

ANALYSIS

Changes in the connective tissue proteins, glycosaminoglycans and calcium in the arteries of the cynomolgus monkey during atherosclerotic induction and regression. Hollander W, et al. **Atherosclerosis** 1984 Apr; 51(1):89–108

Factor VIII–related antigen in occluded human arteries and grafts. Potter EV, et al. **Surgery** 1984 Jun;95(6):683–8

[Evidence for the existence of inactive arterial renin in the rat] Mizuno K, et al. **Nippon Naibunpi Gakkai Zasshi** 1984 Feb 20;60(2):101–9 (Eng. Abstr.) **(Jpn)**

ANATOMY & HISTOLOGY

Intracapsular and intraosseous vascular supply to the mature dog's coxofemoral joint. Kaderly RE, et al. **Am J Vet Res** 1983 Oct;44(10):1805–12

The atrio-ventricular node artery in the human heart. Anderson KR, et al. **Angiology** 1983 Nov;34(11):711-6

A definition of arteriomegaly and the size of arteries supplying the lower limbs. Callum KG, et al. **Br J Surg** 1983 Sep;70(9):524-9

Internal geometry of arterial bifurcations. Zamir M, et al. **J Biomech** 1983;16(10):857-63

Cost of departure from optimality in arterial branching. Zamir M, et al. **J Theor Biol** 1984 Aug 7;109(3):401-9

Observations of the fenestrated membrane of the human arterial wall. Mitsui T, et al. **Okajimas Folia Anat Jpn** 1984 Mar;60(6):415-26

[Arterial vascularization of the levator muscle of the upper eyelid] George JL. **J Fr Ophtalmol** 1984;7(2):143-9 (Eng. Abstr.) **(Fre)**

[Measurement of blood flow velocity, blood volume flow and arterial cross section using the integral Doppler ultrasonic method--comparison and synthesis of two solutions] Hassler D. **Ultraschall Med** 1982 Mar;3(1):24-9 (Eng. Abstr.) **(Ger)**

[Spiral arrangement of muscular elements in the walls of blood vessels and their role in hemodynamics] Kupriianov VV. **Arkh Anat Gistol Embriol** 1983 Sep;85(9):46-54 (11 ref.) (Eng. Abstr.) **(Rus)**

CYTOLOGY

Renal afferent and efferent arterioles of the rabbit. Gattone VH 2d, et al. **Am J Physiol** 1984 Aug;247(2 Pt 2):F219-28

Mathematical models for transport across the endothelial cell layer. Weinbaum S. **Ann NY Acad Sci** 1983;416:92-114 (27 ref.)

Effects of fluid flow on living vascular cells. Dewey CF Jr. **J Biomech Eng** 1984 Feb;106(1):31-5

DRUG EFFECTS

Relaxation by prostacyclin (PGI2) and 7-oxo-PGI2 of isolated cerebral, coronary and mesenteric arteries. Malomvölgyi B, et al. **Acta Physiol Acad Sci Hung** 1982; 60(4):251-6

Captopril-induced changes in large arteries in essential hypertension. Simon AC, et al. **Am J Med** 1984 May 31; 76(5B):71-5

Effects of uptake and surface of entry on the responses of the rat caudal artery to noradrenaline, adrenaline and methoxamine. Venning MG, et al. **Blood Vessels** 1984; 21(4):149-55

Cardiac and peripheral arterial responses to isoprenaline challenge. Fitzgerald DE, et al. **Cardiovasc Res** 1984 Jul; 18(7):414-8

Responses of isolated dog arteries to amrinone. Toda N, et al. **Cardiovasc Res** 1984 Mar;18(3):174-82

Increased venous pressure causes myogenic constriction of cerebral arterioles during local hyperoxia. Wei EP, et al. **Circ Res** 1984 Aug;55(2):249-52

Intima-related vasodilatation of the perfused rat caudal artery. Spokas EG, et al. **Eur J Pharmacol** 1984 Apr 20; 100(2):211-7

Relaxation of bovine, porcine and human brain arteries by parathyroid hormone. Suzuki Y, et al. **Life Sci** 1983 Dec 19;33(25):2497-503

Diminished arterial smooth muscle response to adenosine during Na-K pump inhibition. Foley DH. **Pflugers Arch** 1984 Jan;400(1):88-95

Alteration in the reactivity of hamster cheek pouch arterioles to prostaglandin E2 and noradrenaline during pregnancy or sex steroid treatment. Orosz M, et al. **Prostaglandins** 1983 Aug;26(2):165-73

Effects of aspirin dosage and time of administration on arterial prostacyclin production and platelet aggregation in rats. Philp RB, et al. **Prostaglandins Leukotrienes Med** 1984 Jul;15(1):91-102

EMBRYOLOGY

Arterial anatomy of chicken embryo and hatchling. Levinsohn EM, et al. **Am J Anat** 1984 Apr;169(4):377-405

Pathogenesis of dysplasias of the face and the ear and dystopias of the temporal region. Otto HD, et al. **Int J Pediatr Otorhinolaryngol** 1984 May;7(2):159-72

ENZYMOLOGY

Enzyme-histochemical changes in arteries of genetically hypertensive rats (SHR, SP-SHR). Hadjiisky P, et al. **Artery** 1983;11(6):460-77

Lysosomal proteases in the normal and atherosclerotic arterial wall. Lojda Z, et al. **Histochem J** 1984 Apr; 16(4):399-405

Inhibition by bovine endothelial cells of degradation by HT-1080 fibrosarcoma cells of extracellular matrix proteins. Heisel M, et al. **JNCI** 1983 Dec;71(6):1183-7

Hydrolysis of cholesterol ester in artificial lipid mixtures by cholesterol esterase released from particulate fractions of rat arterial wall. Shirai K, et al. **Tohoku J Exp Med** 1984 Jun;143(2):171-6

GROWTH & DEVELOPMENT

Influence of age on carotid body size and arterial chemoreceptor reflex effects in spontaneously hypertensive (SHR) and normotensive rats. Pfeiffer C, et al. **Biomed Biochim Acta** 1984;43(2):205-13

Arteriolar proliferation in the rat cremaster muscle as a long-term autoregulatory response to reduced perfusion. Hogan RD, et al. **Microvasc Res** 1984 May;27(3):290-6

[Vascular sutures using polyglycolic acid in growing arteries. Experimental study] Hernández González N, et al. **An Esp Pediatr** 1984 May;20(8):800-6 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Electron-dense deposits in the renal arterioles of two patients with hypersensitivity vasculitis. Montoliu J, et al. **Hum Pathol** 1984 Apr;15(4):390-4

INJURIES

Arterial injuries of the upper extremities. Kruse-Andersen S, et al. **Acta Chir Scand** 1983;149(5):473-7

Iatrogenic arterial injuries. Fahey VA, et al. **Am J Nurs** 1984 Apr;84(4):448-51

Diagnosis of major peripheral arterial trauma by transcutaneous oxygen monitoring. Kram HB, et al. **Am J Surg** 1984 Jun;147(6):776-80

Polytetrafluoroethylene grafts in the rapid reconstruction of acute contaminated peripheral vascular injuries. Shah DM, et al. **Am J Surg** 1984 Aug;148(2):229-33

Upper G-I bleeding following intraarterial chemotherapy infusion. Sundqvist K, et al. **Ann Chir Gynaecol** 1983; 72(4):183-6

Digital venous angiography. A prospective evaluation in peripheral arterial trauma. Fabian TC, et al. **Ann Surg** 1984 Jun;199(6):710-6

Civilian trauma in the 1980s. A 1-year experience with 456 vascular and cardiac injuries. Feliciano DV, et al. **Ann Surg** 1984 Jun;199(6):717-24

Experience with latrogenic pediatric vascular injuries. Incidence, etiology, management, and results. Flanigan DP, et al. **Ann Surg** 1983 Oct;198(4):430-42

Nerve compression injuries due to traumatic false aneurysm. Robbs JV, et al. **Ann Surg** 1984 Jul;200(1):80-2

Detection of technical error during arterial surgery by pulsed Doppler spectral analysis. Bandyk DF, et al. **Arch Surg** 1984 Apr;119(4):421-8

Emergency center arteriography in the evaluation of suspected peripheral vascular injuries. O'Gorman RB, et al. **Arch Surg** 1984 May;119(5):568-73

Vascular injury with associated bone and joint trauma. Meek AC, et al. **Br J Surg** 1984 May;71(5):341-4

Arterial injuries. Lassonde J, et al. **Can J Surg** 1984 Jul; 27(4):343-5

'Pseudo' intramural injection following percutaneous transluminal angioplasty. Castaneda-Zuniga WR, et al. **Cardiovasc Intervent Radiol** 1984;7(2):104-8

Vascular injuries and closed extremity fractures in children. Friedman RJ, et al. **Clin Orthop** 1984 Sep;(188):112-9

Fractures of the limbs complicated by ischaemia due to lesions of the major vessels. Guercio N, et al. **Ital J Orthop Traumatol** 1984 Jun;10(2):163-85

Does karate injure blood vessels of the hand? [letter] Vayssairat M, et al. **Lancet** 1984 Sep 1;2(8401):529

Evaluation of arterial injury due to balloon angioplasty by 111In-labelled platelets. Kadir S, et al. **Nuklearmedizin** 1983 Dec;22(6):324-8

[Complications of angiography, punctures, and catheterizations in the framework of iatrogenic arteriopathies] Cormier JM, et al. **Ann Med Interne (Paris)** 1983;134(5):380-4 (Eng. Abstr.) **(Fre)**

[Arterial injuries in civilian practice] Jue-Denis P, et al. **Ann Med Interne (Paris)** 1983;134(5):375-9 (Eng. Abstr.) **(Fre)**

[Acute arterial injuries in simultaneous fractures of the extremities] Arany L. **Aktuel Traumatol** 1984 Aug; 14(4):137-41 (Eng. Abstr.) **(Ger)**

[Blood vessel injuries in fractures of the extremities] Schäfer K, et al. **Unfallheilkunde** 1983 Dec;86(12):519-24 (Eng. Abstr.) **(Ger)**

[Problems and limitations in reconstructing peripheral artery injuries] Haug M, et al. **Zentralbl Chir** 1983;108(22):1407-13 (Eng. Abstr.) **(Ger)**

[The tourniquet syndrome as limiting factor in the reconstruction of injured arteries] Heinrich P, et al. **Zentralbl Chir** 1983;108(18):1151-4 (Eng. Abstr.) **(Ger)**

[Management of arterial and accessory injuries of the limbs in a county hospital] Erdélyi B, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1984; 27(1):43-8 (Eng. Abstr.) **(Hun)**

[Angiography in the evaluation of injuries of the peripheral arteries] Passariello R, et al. **Radiol Med (Torino)** 1983 Jun; 69(6):426-32 (Eng. Abstr.) **(Ita)**

[Technic, hazards and complications of punctures and catheterization of peripheral arteries in anesthesiological and reanimatological practice] Gologorskiĭ VA, et al. **Anesteziol Reanimatol** 1983 Sep-Oct;(5):54-8 **(Rus)**

[Reconstructive surgery for traumatic aneurysms of the major vessels] Gambarin BL, et al. **Vestn Khir** 1983 Jul; 131(7):66-9 (Eng. Abstr.) **(Rus)**

[Surgical treatment of blood vessel injuries in a trauma center] Kirichenko MN, et al. **Vestn Khir** 1983 Oct; 131(10):88-91 (Eng. Abstr.) **(Rus)**

[Results of reconstructive surgery of the blood vessels in injuries of the distal regions of the upper extremities] Zakharova GN, et al. **Vestn Khir** 1983 Jul;131(7):69-72 (Eng. Abstr.) **(Rus)**

INNERVATION

Ultrastructure of the innervation of the cat lingual artery in relation to noradrenergic vasoconstriction, and to neurogenic vasodilation produced by cholinergic and nonadrenergic, noncholinergic mechanisms. Rowan RA, et al. **Blood Vessels** 1984;21(5):205-10

Lethal respiratory disturbance in neonatal rats after arterial chemoreceptor denervation. Hofer MA. **Life Sci** 1984 Jan 30;34(5):489-96

Steady-state discharge and bursting of arterial chemoreceptors in the duck. Nye PC, et al. **Respir Physiol** 1984 Jun;56(3):369-84

[Ultrastructure of the nerve plexuses of the arteries of healthy rabbits and rabbits with Brown-Pearce tumors] Zhvirdauskas SI, et al. **Arkh Anat Gistol Embriol** 1983 Aug; 85(8):12-6 (Eng. Abstr.) **(Rus)**

METABOLISM

Prostacyclin and cyclic nucleotides interact to modulate arterial cholesteryl ester metabolism. Hajjar DP. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1984; 17:605-14

Evidence for the blood oxygen boundary layer pO2 gradient (delta pO2) as a significant determinant of intimal (PW) and lowest medial pO2 (p delta n) in the vivo dog femoral artery. Crawford DW, et al. **Adv Exp Med Biol** 1983; 159:197-209

Biochemical observations on rat aortas: effect of protein refeeding after a protein depletion period. Bydlowski SP, et al. **Ann Nutr Metab** 1984;28(2):85-91

Transport of 125I-albumin across normal and deendothelialized rabbit thoracic aorta in vivo. Ramirez CA, et al. **Arteriosclerosis** 1984 May-Jun;4(3):283-91

Elastin biosynthesis in chick-embryo arteries. Studies on the intracellular site of synthesis of tropoelastin. Saunders NA, et al. **Biochem J** 1984 Jul 15;221(2):393-400

Influence of muzolimine on arterial wall elastin. Schmidt A, et al. **Biochem Pharmacol** 1984 Jun 15;33(12):1915-21

Sodium-potassium pump sites, as assessed by [3H]-ouabain binding, in aorta and caudal artery of normotensive and spontaneously hypertensive rats. Wong SK, et al. **Blood Vessels** 1984;21(5):211-22

Phasic vascular sodium pump changes in deoxycorticosterone-hypertensive rats. Songu-Mize E, et al. **Circ Res** 1984 Sep;55(3):304-8

Luminal release of prostacyclin and thromboxane A2 by arteries distal to small-caliber prosthetic grafts. Bush HL Jr, et al. **Circulation** 1984 Sep;70(3 Pt 2):I11-5

The tissue renin-angiotensin systems: focus on brain angiotensin, adrenal gland and arterial wall. Ganten D, et al. **Clin Exp Hypertens [A]** 1983;5(7-8):1099-118

Renin in the arterial wall. Swales JD, et al. **Clin Exp Hypertens [A]** 1983;5(7-8):1127-36

Norepinephrine uptake in arteries of spontaneously hypertensive rats. Zsotér TT, et al. **Clin Invest Med** 1983; 6(3):191-5

The nuclear uptake and retention of a synthetic progestin in the cardiovascular system of the baboon. Sheridan PJ, et al. **Endocrinology** 1984 Jun;114(6):2015-9

Arterial wall uptake of renal renin and blood pressure control. Loudon M, et al. **Hypertension** 1983 Sep-Oct; 5(5):629-34

Water transport in the arterial wall--a theoretical study. Jayaraman G. **J Biomech** 1983;16(10):833-40

The conversion of Met-enkephalin-Arg6, Phe7 to Met-enkephalin in rabbit ear artery. Rónai AZ, et al. **Life Sci** 1983;33 Suppl 1:101-4

Further study of prerequisites for the enhancement by alpha-adrenoceptor antagonists of the release of noradrenaline. Limberger N, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Mar; 325(3):240-6

TxA2 production by human arteries and veins. Neri Serneri GG, et al. **Prostaglandins** 1983 Jun;25(6):753-66

Prostacyclin-synthesis-stimulating plasma factor in patients with different stages of hepatic coma. Polterauer P, et al. **Prostaglandins Leukotrienes Med** 1984 Mar;13(3):315-21

The mass transport of the arterial wall: effect of mechanical stresses and vasoactive agents, including nitrates. Caro CG, et al. **Z Kardiol** 1983;72 Suppl 3:178-81

[Studies on the role of serum beta-lipoprotein in the pathogenesis of atheroma. II. Incorporation of 131I-labelled rabbit serum beta-lipoprotein into aorta] Wang KQ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1983 Dec; 5(6):361-5 (Eng. Abstr.) **(Chi)**

[Aging and its relation to arteriosclerosis] Zakowska-Wachelko B, et al. **Pol Tyg Lek** 1983 Jun 27; 38(26):801-4 **(Pol)**

[Immunomorphologic characteristics of the distribution of collagen types I, III, IV and V in normal intima and in atherosclerosis of the major arteries and aorta in man] Shekhonin BV, et al. **Arkh Patol** 1984;46(3):18-24 (Eng. Abstr.) **(Rus)**

[Intracellular La3+-resistant calcium pools in the blood vessels and hearts of rats with spontaneous hypertension] Rozenberg AE, et al. **Kardiologiia** 1983 Aug;23(8):83-6 (Eng. Abstr.) **(Rus)**

[Distribution of collagen types I, III, IV and V in the walls of human arteries] Shekhonin BV, et al. **Kardiologiia** 1984 Apr;24(4):95-9 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Suppurative thrombarteritis as a complication of arterial cannulation: case report. Lagrone MO, et al. **Milit Med** 1984 Apr;149(4):219–20

PARASITOLOGY

Zoonotic filaria in a subcutaneous artery of a child in Costa Rica. Beaver PC, et al. **Am J Trop Med Hyg** 1984 Jul; 33(4):583–5

PATHOLOGY

Spiral artery lesions in relation to metabolic control in diabetes mellitus. Björk O, et al.
Acta Obstet Gynecol Scand 1984;63(2):123–7

Vascular lesions in systemic lupus erythematosus (SLE) with pulmonary hypertension. Wakaki K, et al.
Acta Pathol Jpn 1984 May;34(3):593–604

Vascular changes of endometrium in early pregnancy. Lichtig C, et al. **Am J Clin Pathol** 1984 Jun;81(6):702–7

A large artery in the apical region of the cochlea of a man with pulsatile tinnitus [letter] Gulya AJ, et al.
Am J Otol 1984 Jan;5(3):262

Primary arteriopathy in Takayasu's disease. Rose AG, et al.
Arch Pathol Lab Med 1984 Aug;108(8):644–8

Restenosis following transluminal angioplasty in experimental atherosclerosis. Faxon DP, et al. **Arteriosclerosis** 1984 May–Jun;4(3):189–95

The role of intimal hyperplasia in arterial spasm. McGregor M, et al. **Can Med Assoc J** 1984 Aug 15;131(4):329–30

Effect of sulfinpyrazone on homocysteine–induced endothelial injury and arteriosclerosis in baboons. Harker LA, et al. **Circ Res** 1983 Dec;53(6):731–9

Glomerular & vascular changes in malignant hypertension. Kincaid–Smith P, et al. **Clin Exp Hypertens [A]** 1984; 6(1–2):471–91

The distribution of arteriolosclerosis along the arterioles in DOCA hypertensive rats. Walker MB, et al.
Clin Exp Pharmacol Physiol 1983 May–Jun;10(3):319–23

Hemiplegia and peripheral gangrene secondary to large and medium size vessels involvement in C.R.E.S.T. syndrome. Merino J, et al. **Clin Rheumatol** 1982 Dec;1(4):295–9

Effects of acute, angiotensin–induced hypertension on intrarenal arteries in the rat. Wilson CK, et al.
Kidney Int 1984 Mar;25(3):492–501

Thrombosis and vascular wall reaction. Tanaka K.
Nippon Ketsueki Gakkai Zasshi 1983 Jul;46(4):789–96

[Hypertension and the arterial walls] Van Cauwenberge H, et al. **Bull Acad Natl Med (Paris)** 1983 Mar;167(3):215–21 (Eng. Abstr.) **(Fre)**

[Correlative pathologic studies on the role of vitamin D in vascular calcinosis in childhood] Kobylinski S, et al.
Zentralbl Allg Pathol 1984;129(2):137–47 (Eng. Abstr.) **(Ger)**

[Morphological studies of the pulmonary arterioles in pregnant rabbits with experimental hypertension after administration of dilatol] Lenczewski A, et al.
Ginekol Pol 1984 Feb;55(2):95–100 (Eng. Abstr.) **(Pol)**

[Patho– and morphogenesis of atherosclerosis (clinico–experimental aspects)] Anestiadi VKh, et al.
Arkh Patol 1984;46(3):10–8 (Eng. Abstr.) **(Rus)**

[Formation and accumulation of myelin bodies and other membrane structures in the arterial wall in man in atherosclerosis] Kondalenko VF. **Arkh Patol** 1984; 46(3):24–9 (Eng. Abstr.) **(Rus)**

[A method of dissection of the human lower limb in occlusion of the major arteries] Permiakov NK, et al. **Arkh Patol** 1984;46(2):78–80 (Eng. Abstr.) **(Rus)**

[Heterogeneity of human aortic and arterial endothelium: quantitative study using scanning electron microscopy] Dolgov VV, et al. **Kardiologiia** 1983 Aug;23(8):92–5 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Pulse–wave propagation in the arterial system of the diamond python Morelia spilotes. Avolio AP, et al.
Am J Physiol 1983 Dec;245(6):R831–6

Quantitation of rhythmic diameter changes in arterial microcirculation. Colantuoni A, et al. **Am J Physiol** 1984 Apr;246(4 Pt 2):H508–17

cAMP–dependent reduction in membrane fluxes during relaxation of arterial smooth muscle. Jones AW, et al.
Am J Physiol 1984 Feb;246(2 Pt 2):H306–11

Microvascular blood flow: evidence indicating a cubic dependence on arteriolar diameter. Mayrovitz HN, et al.
Am J Physiol 1983 Dec;245(6):H1031–8

Effect of aminophylline on adenosine and exercise dilation of rat cremaster arterioles. Mohrman DE, et al.
Am J Physiol 1984 Apr;246(4 Pt 2):H592–600

Left ventricular interaction with arterial load studied in isolated canine ventricle. Sunagawa K, et al.
Am J Physiol 1983 Nov;245(5 Pt 1):H773–80

Heterogeneity in the response to dopamine of monkey cerebral and peripheral arteries. Toda N. **Am J Physiol** 1983 Dec;245(6):H930–6

Medial morphometry and mechanics of sequential rabbit ear arteries and myograph ring segments. Walmsley JG, et al.
Am J Physiol 1983 Nov;245(5 Pt 1):H840–8

Sodium depletion induces adrenergic potentiation at prejunctional site. Wong PC, et al. **Am J Physiol** 1983 Oct; 245(4):H662–6

Effects of buflomedil on isolated dog arteries. Toda N, et al. **Arch Int Pharmacodyn Ther** 1983 Nov;266(1):117–30

Effects of verapamil and manganese on the vasoconstrictor responses to noradrenaline, serotonin and potassium in human and goat cerebral arteries. Salaices M, et al.
Biochem Pharmacol 1983 Sep 15;32(18):2711–4

Factors influencing arterial wall mass transport. Caro CG, et al. **Biorheology** 1984;21(1–2):197–205 (40 ref.)

The importance of endogenous prostaglandins other than prostacyclin, for the modulation of contractility of some rabbit blood vessels. Förstermann U, et al.
Br J Pharmacol 1984 Apr;81(4):623–30

Adaptive regulation of wall shear stress optimizing vascular tree function. Kamiya A, et al. **Bull Math Biol** 1984; 46(1):127–37

Effects of periodic accelerations on blood flow in arteries. Sud VK, et al. **Bull Math Biol** 1983;45(5):857–67

The oxygen sensitivity of hamster cheek pouch arterioles. In vitro and in situ studies. Jackson WF, et al.
Circ Res 1983 Oct;53(4):515–25

Effect of arterial impedance changes on the end–systolic pressure–volume relation. Maughan WL, et al. **Circ Res** 1984 May;54(5):595–602

The quantitation of arterial elasticity from Doppler flow measurements. Kenny P, et al.
Clin Exp Pharmacol Physiol 1983 May–Jun;10(3):315–8

On a non–invasive evaluation of pulse wave velocity in human peripheral arteries. Gizdulich P.
Clin Phys Physiol Meas 1984 Feb;5(1):33–6

Forearm arterial compliance: the validation of a plethysmographic technique for the measurement of arterial compliance. Fitchett D, et al. **Clin Sci** 1984 Jul;67(1):69–72

The effects of platelet–derived contractile agents on human digital arteries. Moulds RF, et al. **Clin Sci** 1984 Apr; 66(4):443–51

Model system to study interaction of platelets with damaged arterial wall. I. Inhibition of platelet adhesion to subendothelium by aspirin and dipyridamole. Silver MJ, et al. **Exp Mol Pathol** 1984 Aug;41(1):141–52

Sphygmographic parameters of the arterial system in children aged 7–12 years. Valtneris AD, et al. **Hum Physiol** 1983 May–Jun;9(3):189–93

Postsynaptic alpha 2–adrenergic receptor–mediated vasoconstriction in SHR tail arteries in vitro. Hicks PE, et al. **Hypertension** 1984 Mar–Apr;6(2 Pt 2):I12–8

Compressibility and constitutive equation of arterial wall in radial compression experiments. Chuong CJ, et al.
J Biomech 1984;17(1):35–40

On large periodic motions of arteries. Demiray H, et al.
J Biomech 1983;16(8):643–8

Comparison of steady and pulsatile flow in a double branching arterial model. Lutz RJ, et al. **J Biomech** 1983; 16(9):753–66

Three–dimensional stress distribution in arteries. Chuong CJ, et al. **J Biomech Eng** 1983 Aug;105(3):268–74

Incremental elastic modulus for isotropic elastic bodies with application to arteries. Demiray H. **J Biomech Eng** 1983 Aug;105(3):308–9

Effect of aortic valve orientation on arterial flow distribution. Doo I, et al. **J Biomech Eng** 1984 May;106(2):181–2

On the propagation of a wave front in viscoelastic arteries. Holenstein R, et al. **J Biomech Eng** 1984 May;106(2):115–22

Elastic properties of arteries and their influence on the cardiovascular system. Tözeren A. **J Biomech Eng** 1984 May;106(2):182–5

Parameter sensitivity analysis and improvement of a two–layer arterial wall model. von Maltzahn WW.
J Biomech Eng 1983 Nov;105(4):389–92

On nonlinear viscoelastic properties of arterial tissue. Wu SG, et al. **J Biomech Eng** 1984 Feb;106(1):42–7

Endothelial cells as mediators of vasodilation of arteries. Furchgott RF, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 2:S336–43 (35 ref.)

Serotonin and arterial vessels. Vanhoutte PM, et al.
J Cardiovasc Pharmacol 1984;6 Suppl 2:S421–8 (47 ref.)

Effect of initial stresses on the wave propagation in arteries. Misra JC, et al. **J Math Biol** 1983;18(1):53–67

Active reactions of the rabbit ear artery to distension. Speden RN. **J Physiol (Lond)** 1984 Jun;351:631–43

Presynaptic opioid receptors in the rabbit ear artery. Illes P, et al. **Life Sci** 1983;33 Suppl 1:307–10

Age–related changes in arterial wall mechanics and composition of NIA Fischer rats. Cox RH.
Mech Ageing Dev 1983 Sep;23(1):21–36

Pole–zero extraction by nonlinear regression of discrete–time arterial blood–flow waveforms. Meara LA.
Med Biol Eng Comput 1984 May;22(3):281–4

Inaccuracies in blood flow estimates in microvessels during arteriolar vasoconstriction. Proctor KG, et al.
Microvasc Res 1984 Jul;28(1):23–36

Evidence that vasoactive intestinal polypeptide is a dilator transmitter to some cerebral and extracerebral cranial arteries. Bevan JA, et al. **Peptides (Fayetteville)** 1984 Mar–Apr;5(2):385–8

Backscattered electron imaging to visualize arterial endothelial detachment in the scanning electron microscope. Sedar AW, et al. **Scan Electron Microsc** 1983; (Pt 2):969–74

Arterial distensibility in young normotensive subjects and in patients with borderline and essential hypertension. Aristimuño GG, et al. **South Med J** 1984 Jan;77(1):46–50

Platelets in atherogenesis and thrombogenesis. Born GV. **Wien Klin Wochenschr** 1984 May 25;96(11):407–12

[Propagation rate of arterial pressure waves as a function of age and physical training] Eugéne M, et al.
J Physiol (Paris) 1982–83;78(9):821–6 (Eng. Abstr.) **(Fre)**

[High resolution vascular diameter gauge for in vitro experiments] Sakaguchi M, et al.
Iyodenshi To Seitai Kogaku 1983 Apr;21(2):125–7 **(Jpn)**

[Noninvasive measurement of arterial–wall elastic property using photoelectric plethysmography] Kawarada A, et al.
Kokyu To Junkan 1984 Feb;32(2):151–6 **(Jpn)**

[Study of the circulatory system in healthy children by the transcutaneous ultrasonic Doppler method. II. Study of the blood flow in selected arteries. A. Analysis of selected indicators of blood flow in relation to time] Barbacki M, et al. **Kardiol Pol** 1983;26(3):235–43 (Eng. Abstr.) **(Pol)**

[Study of the circulatory system in healthy children by the transcutaneous ultrasonic Doppler method. II. Study of the blood flow in selected arteries. B. Analysis of selected indicators of blood flow in relation to velocity (and their indicators)] Barbacki M, et al. **Kardiol Pol** 1983; 26(3):245–52 (Eng. Abstr.) **(Pol)**

[Structural and functional characteristics of arteries and veins in the common frog] Leont'eva GR, et al.
Fiziol Zh SSSR 1984 May;70(5):552–68 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Hypertension and the arterial wall. Rorive GL, et al.
Acta Clin Belg 1983;38(6):353–9

Impaired systemic arterial compliance in borderline hypertension. Ventura H, et al. **Am Heart J** 1984 Jul; 108(1):132–6

Arteriolar responses to elevation of venous and arterial pressures in cat mesentery. Burrows ME, et al.
Am J Physiol 1983 Nov;245(5 Pt 1):H796–807

Afferent arteriolar diameter in DOCA–salt and two–kidney one–clip hypertensive rats. Iversen BM, et al.
Am J Physiol 1983 Dec;245(6):F755–62

Elastolytic and collagenolytic studies of arteries. Implications for the mechanical properties of aneurysms. Dobrin PB, et al. **Arch Surg** 1984 Apr;119(4):405–9

Prediction of arterial wall failure under acceleration stress in high–performance aircraft. McCormack PD.
Aviat Space Environ Med 1984 Jul;55(7):620–31

Numerical study on post–stenotic dilatation. Kawaguti M, et al. **Biorheology** 1983;20(5):507–18

Effects of couple stresses on the blood flow through an artery with mild stenosis. Sinha P, et al. **Biorheology** 1984; 21(3):303–15

Systemic compliance: does it play a role in the genesis of essential hypertension? Randall OS, et al.
Cardiovasc Res 1984 Aug;18(8):455–62

Role of endothelium in dilator responses of spontaneously hypertensive rat arteries. Konishi M, et al. **Hypertension** 1983 Nov–Dec;5(6):881–6

Neural and local control of arterioles in SHR. Lombard JH, et al. **Hypertension** 1984 Jul–Aug;6(4):530–5

Saralasin dilates arterioles in SHR but not WKY rats. Longnecker DE, et al. **Hypertension** 1984 Mar–Apr;6(2 Pt 2):I106–10

Effect of ouabain on arteriolar responses to norepinephrine in chronic, benign, volume–expanded hypertension. Overbeck HW. **Hypertension** 1984 Mar–Apr;6(2 Pt 2):I82–7

Metastatic patterns and target organ arterial blood flow. Weiss L, et al. **Invasion Metastasis** 1981;1(2):126–35

Forearm arterial distensibility in systolic hypertension. Smulyan H, et al. **J Am Coll Cardiol** 1984 Feb;3(2 Pt 1):387–93

An improved microindentation technique to measure changes in properties of arterial intima during atherogenesis. Gow BS, et al. **J Biomech** 1983;16(6):451–8

Physicochemical and histological changes in the arterial wall of nonhuman primates during progression and regression of atherosclerosis. Small DM, et al. **J Clin Invest** 1984 Jun; 73(6):1590–605

Flow in a curved tube with constriction—an application to the arterial system. Padmanabhan N, et al.
Med Biol Eng Comput 1984 May;22(3):216–24

Ultrasonographic demonstration of systemic artery feeding extrapulmonary sequestration. Kaude JV, et al.
Pediatr Radiol 1984;14(4):226–7

[Measurement of the radius of digital arteries of patients with vibration disease—comparison 1 month before and after hospitalization] Ichimaru T, et al. **Kokyu To Junkan** 1983 Jun;31(6):685–9 (Eng. Abstr.) **(Jpn)**

[Primary hyperlipoproteinemia from its clinical and laboratory aspects. VI. Evaluation of arterial elasticity based on the physical analysis of blood circulation] Szmatloch E, et al. **Przegl Lek** 1983;40(11):803–6 (Eng. Abstr.) **(Pol)**

[Characteristics of the vascular reactions of rabbits to prolonged stimulations in experimental atherosclerosis] Kulagina VP, et al. **Biol Nauki** 1983;(8):37–42 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Scanning electron microscopy of irradiated recipient blood vessels in head and neck free flaps. Guelinckx PJ, et al.
Plast Reconstr Surg 1984 Aug;74(2):217–26

[True and false radiation arteritis] Mellière D, et al.
J Mal Vasc 1983;8(4):321–7 (Eng. Abstr.) **(Fre)**

RADIONUCLIDE IMAGING

[Arterial scanning using I-133-AMA in the evaluation of the effectiveness of intra-arterial regional chemotherapy in disseminated forms of laryngeal cancer] Chizh GI, et al. **Med Radiol (Mosk)** 1984 Jan;29(1):74-6 **(Rus)**

SECRETION

Release of prostaglandins by the mesenteric artery of the renovascular and spontaneously hypertensive rat. Desjardins-Giasson S, et al. **Can J Physiol Pharmacol** 1984 Jan;62(1):89-93

SURGERY

Morphologic quantitation of pseudointima and effects of antiplatelet drugs on vascular prostheses in goats. Rainwater LM, et al. **Am J Surg** 1984 Aug;148(2):195-202

Risk-benefit ratio in arterial surgery [editorial] Simeone FA. **Am J Surg** 1984 Sep;148(3):299-300

The effect of cephradine prophylaxis on wound infection after arterial surgery through a groin incision. Chester JF, et al. **Ann R Coll Surg Engl** 1983 Nov;65(6):389-90

The thrombogenicity of Dacron arterial grafts and its modification by platelet inhibitory drugs. Kester RC. **Ann R Coll Surg Engl** 1984 Jul;66(4):241-6

Combined operative angiodilation and arterial reconstruction for limb salvage. Corey CJ, et al. **Arch Surg** 1983 Nov; 118(11):1289-92

Arterial embolectomy: a review of 100 cases. Bates GJ, et al. **Aust NZ J Surg** 1984 Apr;54(2):137-40

Seeding Dacron arterial prostheses with peritoneal mesothelial cells: a preliminary morphological study. Clarke JM, et al. **Br J Surg** 1984 Jul;71(7):492-4

An investigation into how the geometry of an end-to-side arterial anastomosis affects its function. Klimach O, et al. **Br J Surg** 1984 Jan;71(1):43-5

Experimental colonization of vascular grafts with Staphylococcus aureus. Goëau-Brissonière O, et al. **Can J Surg** 1983 Nov;26(6):540-5

Epistaxis and arterial ligation. Small M, et al. **J Laryngol Otol** 1984 Mar;98(3):281-4

Mesosalpingeal vessel ligation for conservative treatment of ectopic pregnancy. Schinfeld JS, et al. **J Reprod Med** 1983 Dec;28(12):823-6

Expanded microporous polytetrafluoroethylene (PTFE) grafts in contaminated wounds: experimental and clinical study. Shah PM, et al. **J Trauma** 1983 Dec;23(12):1030-3

A histologic comparison of experimental microarterial end-in-end (sleeve) and end-to-end anastomoses. Wieslander JB, et al. **Plast Reconstr Surg** 1984 Feb; 73(2):279-87

Opportunities and responsibilities in the use of arterial grafts. Sauvage LR. **Surg Annu** 1984;16:91-117

A growth factor in fine vascular anastomoses. Starzl TE, et al. **Surg Gynecol Obstet** 1984 Aug;159(2):164-5

Comparison between absorbable and nonabsorbable, monofilament sutures for end-to-end arterial anastomoses in growing pigs. Steen S, et al. **Surgery** 1984 Feb; 95(2):202-8

The role of dextran in severe ischemic extremity disease and arterial reconstructive surgery. A review. Bergqvist D, et al. **Vasa** 1983;12(3):213-8 (45 ref.)

Arterial surgery in Scandinavia. Bergqvist D, et al. **World J Surg** 1984 Feb;8(1):71-5

Arterial surgery of the upper extremity. Bergqvist D, et al. **World J Surg** 1983 Nov;7(6):786-91

[Effects of muscular contractions on an artery after microanastomosis] Kriswandi HB, et al. **Ann Chir Plast Esthet** 1983;28(4):393-6 (Eng. Abstr.) **(Fre)**

[Small-caliber arterial prosthesis: effect of porosity] Ratto GB, et al. **J Chir (Paris)** 1983 Dec;120(12):701-6 (Eng. Abstr.) **(Fre)**

[Influence of the type of arterial anastomosis on the development of endothelial hyperplasia] Becquemin JP, et al. **J Mal Vasc** 1984;9(2):90-4 (Eng. Abstr.) **(Fre)**

[Clinical and angiographic follow-up of vascular injuries of the major arteries of the extremities] Wicky B, et al. **Chirurg** 1984 Apr;55(4):244-8 (Eng. Abstr.) **(Ger)**

[Vascular replacement of small caliber arteries--a new bovine collagen prosthesis] Erasmi H, et al. **Langenbecks Arch Chir** 1983;360(2):97-107 (Eng. Abstr.) **(Ger)**

[Blood vessel wall regeneration in the use of a new monofilament, resorbable suture material for arterial anastomoses] Schmitz-Rixen T, et al. **Langenbecks Arch Chir** 1984;362(1):53-60 (Eng. Abstr.) **(Ger)**

[Analysis of intraluminal flow velocity profile in peripheral arterial reconstruction--with special reference to the effect of abnormal flow wave on postoperative thrombosis formation] Kamori M. **Nippon Geka Gakkai Zasshi** 1983 Jul;84(7):623-37 (Eng. Abstr.) **(Jpn)**

[Nonspecific results of reconstructive surgery on the arteries of the lower extremities] Gambarin BL, et al. **Klin Khir** 1984 Jul;(7):11-3 (Eng. Abstr.) **(Rus)**

[Plastic surgery of the arteries using autologous veins in free transplantation of combined flaps with microvascular anastomoses] Krylov VS, et al. **Vestn Khir** 1983 Dec; 131(12):47-50 (Eng. Abstr.) **(Rus)**

[Synthetic prosthesis for small arteries] Lebedev LV, et al. **Vestn Khir** 1984 Jul;132(7):120-1 **(Rus)**

[X-ray endovascular occlusion of the large arteries] Prokbovskiĭ VI, et al. **Vestn Khir** 1984 Jul;132(7):10-5 (Eng. Abstr.) **(Rus)**

TRANSPLANTATION

Arterial prostheses. Kidson IG. **Br J Hosp Med** 1983 Oct; 30(4):248-54

[Experimental study and first experience with the clinical use of modified reinforced arterial xenografts] Dronov AF, et al. **Khirurgiia (Mosk)** 1983 Dec;(12):99-104 **(Rus)**

[Extra-intracranial microanastomosis using an autotransplant from the radial artery] Kupch IaA, et al. **Zh Vopr Neirokhir** 1984 Jan-Feb;(1):42-4 **(Rus)**

ULTRASTRUCTURE

Ultrastructure of arteries in rats fed a high-fat cholesterol diet. Intimal thickening of a small muscular artery. Reinilä A. **Arch Pathol Lab Med** 1984 Apr;108(4):295-9

Studies of hypercholesterolemia in the nonhuman primate. II. Fatty streak conversion to fibrous plaque. Faggiotto A, et al. **Arteriosclerosis** 1984 Jul-Aug;4(4):341-56

Studies of hypercholesterolemia in the nonhuman primate. I. Changes that lead to fatty streak formation. Faggiotto A, et al. **Arteriosclerosis** 1984 Jul-Aug;4(4):323-40

An electron-microscopic study of the endothelium in mammalian bronchial microvasculature. Hirabayashi M, et al. **Cell Tissue Res** 1984;236(1):19-25

Myoendothelial contacts in glomerular arterioles and in renal interlobular arteries of rat, mouse and Tupaia belangeri. Taugner R, et al. **Cell Tissue Res** 1984;235(2):319-25

Three-dimensional characteristics of the intramyocardial microvasculature of hypertrophied human hearts. Izumi T, et al. **J Mol Cell Cardiol** 1984 May;16(5):449-57

The outer surface morphology of blood vessels as revealed in scanning electron microscopy in resin cast, non-corroded tissue specimens. Castenholz A. **Scan Electron Microsc** 1983;(Pt 4):1955-62

Visualization of periendothelial cells in arterioles and capillaries by scanning electron microscopy of ultrasound treated and plastoid injected brains in rats. Castenholz A. **Scan Electron Microsc** 1983;(Pt 1):161-70

[Role of lysosomal enzymes in the pathogenesis of peripheral arterial diseases] Knapik-Kordecka M. **Pol Arch Med Wewn** 1983 Jun;69(6):401-6 (36 ref.) **(Pol)**

ARTERIOGRAPHY see **ANGIOGRAPHY**

ARTERIOLES see under **ARTERIES**

ARTERIOSCLEROSIS

see related

DIET, ATHEROGENIC

Arteriosclerosis: progress and evolution [editorial] Mustard JF, et al. **Arteriosclerosis** 1984 Jan-Feb;4(1):1-2

Hyperlipidemia, hyperglycemia and hypertension in repeatedly bred parents of the obese spontaneously hypertensive rat (obese/SHR) unaccompanied by arteriosclerosis. Wexler BC. **Atherosclerosis** 1984 May-Jun; 51(2-3):211-22

Hypoplastic aortoiliac syndrome: An entity peculiar to women. Jernigan WR, et al. **Surgery** 1983 Nov;94(5):752-7

Symposium on renal vascular disease. **Urol Clin North Am** 1984 Aug;11(3):371-554

[Atheroma on an oil painting of the Brescia picture gallery] Roth W. **Hautarzt** 1983 Aug;34(8):407-8 (Eng. Abstr.) **(Ger)**

[Arteriosclerosis: consideration on its problem in the aged (editorial)] Giannini SD, et al. **Arq Bras Cardiol** 1984 Feb; 42(2):79-81 **(Por)**

BLOOD

The influence of prazosin and propranolol on serum lipids and atherosclerosis in standard fed pigs. Helgeland A, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Apr;54(4):270-2

Lipids, lipoproteins, apolipoproteins, and atherosclerosis. Kreisberg RA. **Ann Intern Med** 1983 Nov;99(5):713-5

Apoprotein B quantification in rhesus and cynomolgus monkey atherosclerotic lesions. Davis HR, et al. **Atherosclerosis** 1984 Mar;50(3):241-52

Decreased fibrinolytic activity in human atherosclerotic vessels. Ljungnér H, et al. **Atherosclerosis** 1984 Jan; 50(1):113-6

Atherosclerosis and von Willebrand factor. I. Prevalence of severe von Willebrand's disease in western Europe and Israel. Mannucci PM, et al. **Br J Haematol** 1984 May; 57(1):163-9

Serum lipemia: an overlooked cause of tissue hypoxia. Engelberg H. **Cardiology** 1983;70(5):273-9 (54 ref.)

Platelets and atherogenesis. Spaet TH. **Haematologia (Budap)** 1982 Dec;15(4):355-65

Antithrombin III and factor Xa inhibitor in atherosclerosis. Marra R, et al. **Haemostasis** 1983;13(4):209-13

ABO blood group and serum lipids in female atherosclerosis. Cronenwett JL, et al. **J Cardiovasc Surg (Torino)** 1983 Nov-Dec;24(6):658-61

Lipids and the development of atherosclerosis in children. Mellies M, et al. **J Pediatr Gastroenterol Nutr** 1983;2 Suppl 1(Suppl 1):S298-303

Epoprostenol and platelet deposition in atherosclerosis [letter] Sinzinger H, et al. **Lancet** 1984 Apr 21;1(8382):905-6

Plasma lipids, lipoproteins and apolipoproteins AI, AII, and B in renal transplanted children: what risk for accelerated atherosclerosis? Goldstein S, et al. **Nephron** 1984; 38(2):87-92

Atherosclerosis and apoproteins B and A-I. Kwiterovich PO Jr, et al. **Prev Med** 1983 Nov;12(6):815-34

Lipids and proteins of lipoproteins in human atherosclerosis. Avogaro P, et al. **Przegl Lek** 1983;40(10):713-8

Fluorogenic substrate assay of antithrombin III: a clinical study. Triplett DA, et al. **Thromb Res** 1983 Sep 15; 31(6):855-62

[Ultrastructural observation of blood platelets in experimental atherosclerosis] Li J. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1984 Mar; 12(1):55-8 (Eng. Abstr.) **(Chi)**

[Xanthoma and atherosclerosis in the presence of normal plasma lipids] Davignon J, et al. **Ann Med Interne (Paris)** 1983;134(5):483-91 (Eng. Abstr.) **(Fre)**

[Will apoproteins dethrone lipids in the study of the etiology of atherosclerosis and other diseases?] Malmendier CL. **Bull Mem Acad R Med Belg** 1983;138(3):215-24 (Eng. Abstr.) **(Fre)**

[Unsaturated fatty acids, eicosanoids and atherosclerosis] Schacky CV, et al. **Internist (Berlin)** 1984 May;25(5):268-74 **(Ger)**

[Lipoproteins and lipoprotein receptors and their significance for the pathogenesis of arteriosclerosis] Dresel HA, et al. **Klin Wochenschr** 1983 Dec 1;61(23):1171-9 (Eng. Abstr.) **(Ger)**

[The significance of plasma lipids for atherosclerosis. Insurance medicine and therapeutic implications] Seidel D. **Lebensversicherungsmedizin** 1983 Oct 6;35(8):171-5 (Eng. Abstr.) **(Ger)**

[Lp(a): a little known, independent atherogenic risk factor] Mertz DP. **Med Welt** 1984 Jan 20;35(3):92-5 **(Ger)**

[Normal values and possible interrelations of lipoprotein Lp(a) with other lipoproteins in the serum] Mertz DP, et al. **Med Welt** 1984 Jan 20;35(3):96-100 **(Ger)**

[Relations between the degree of arteriosclerosis and trace element and lipid parameters] Voigt H, et al. **Z Gesamte Hyg** 1984 Jun;30(6):321-2 (Eng. Abstr.) **(Ger)**

[Isolation and immunologic determination of apolipoprotein A-I in human serum] Eichhorn D, et al. **Z Med Lab Diagn** 1983;24(8):438-44 (Eng. Abstr.) **(Ger)**

[Fully automatic determination of serum triglycerides using the flow principle] Herrmann W, et al. **Z Med Lab Diagn** 1983;24(8):445-50 (Eng. Abstr.) **(Ger)**

[Atherosclerosis and diabetes (editorial)] Canaani Z. **Harefuah** 1983 May 15;104(10):478-80 **(Heb)**

[Preliminary study on erythrocyte filterability and other hemorrheological parameters in arteriosclerotic vascular disease] Pernigotti L, et al. **Ric Clin Lab** 1983;13 Suppl 3:423-6 (Eng. Abstr.) **(Ita)**

[Upper limit of serum lipids in human subject and the relation between HDL-cholesterol level and atherosclerosis] Nakajima S, et al. **Nippon Ika Daigaku Zasshi** 1983 Aug; 50(4):609-14 **(Jpn)**

[Effect of trapidil on experimental hyperlipemia and atherosclerosis induced by cholesterol diet in SPF Japanese white rabbits] Gotoh H, et al. **Nippon Yakurigaku Zasshi** 1983 Nov;82(5):303-19 (Eng. Abstr.) **(Jpn)**

[Changes in blood coagulation, fibrinolysis and platelets in arteriosclerotic diseases] Yamazaki H, et al. **Rinsho Ketsueki** 1983 Sep;24(9):1250-9 (Eng. Abstr.) **(Jpn)**

[Structural and functional changes in thrombocytes in experimental atherosclerosis] Gorbatenkova EA, et al. **Biull Eksp Biol Med** 1984 Feb;97(2):149-52 (Eng. Abstr.) **(Rus)**

[Use of nicotinic acid for correction of hypoalphacholesterolemia in patients with arteriosclerosis] Danilenko MV, et al. **Kardiologiia** 1984 Feb;24(2):110-1 **(Rus)**

[Diagnostic significance of phase transition temperatures of blood serum cholesterol in atherosclerosis] Sidorenko GI, et al. **Kardiologiia** 1983 Oct;23(10):92-5 (Eng. Abstr.) **(Rus)**

[Effects of several risk factors of atherosclerosis on rheologic properties of the blood] Murashko VV, et al. **Ter Arkh** 1983;55(12):19-22 (Eng. Abstr.) **(Rus)**

[Effect of multiple intravenous injections of heparin on the content of antithrombin III in healthy animals and experimental atherosclerosis] Kudriashov BA, et al. **Vopr Med Khim** 1984 Jan-Feb;30(1):82-6 (Eng. Abstr.) **(Rus)**

[Characteristics of dyslipoproteinemia in patients with peripheral atherosclerosis] Torkhovskaia TI, et al. **Vopr Med Khim** 1983 Nov-Dec;29(6):89-93 (Eng. Abstr.) **(Rus)**

[Na+, K+-ATPase activity and cholesterol content in erythrocyte membranes of patients with coronary atherosclerosis in various forms of dyslipoproteinemia] Torkhovskaia TI, et al. **Vopr Med Khim** 1983 Sep-Oct; 29(5):69-73 (Eng. Abstr.) **(Rus)**

[Correction with diphenine of hypoalphacholesterolemia in patients with atherosclerosis] Danilenko MV, et al. **Vrach Delo** 1983 Jul;(7):72-5 **(Rus)**

CHEMICALLY INDUCED

Studies of the pathogenesis of arteriosclerosis induced in rats by intrarenal injection of a carcinogen, nickel subsulfide. Hopfer SM, et al. **Ann Clin Lab Sci** 1984 Sep–Oct; 14(5):355–65

The effectiveness of chemical carcinogens to induce atherosclerosis in the white Carneau pigeon. Revis NW, et al. **Toxicology** 1984 Sep 14;32(3):215–27

[Xanthine oxidase in homogenized cow's milk and Oster's hypothesis: a review] Sieber R. Z **Ernahrungswiss** 1983 Dec;22(4):219–33 (109 ref.) (Eng. Abstr.) **(Ger)**

[Effect of several microelements contained in drinking water on the development of atherosclerosis] Novakova S, et al. **Probl Khig** 1983;8:121–31 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Incidence of abdominal aortic aneurysms in patients with atheromatous arterial disease. Cabellon S Jr, et al. **Am J Surg** 1983 Nov;146(5):575–6

Peripheral atherosclerosis in patients with myocardial infarction. Lamme S, et al. **Angiology** 1984 Jun;35(6):373–9

Juxtarenal aortic atherosclerosis. Surgical experience and functional result. Stoney RJ, et al. **Ann Surg** 1984 Sep; 200(3):345–54

Restenosis following transluminal angioplasty in experimental atherosclerosis. Faxon DP, et al. **Arteriosclerosis** 1984 May–Jun;4(3):189–95

Crystallinity of mineral deposited in arterial walls in the course of arteriosclerosis in diabetics and in patients with normal carbohydrate metabolism. Dziedzic–Goclawska A, et al. **Basic Appl Histochem** 1984;28(1):21–8

Rupture or leakage of atheromatous arteries or aneurysms and salmonella infection [letter] Rahman M. **Br Med J [Clin Res]** 1983 Nov 12;287(6403):1471–2

Type 2 (non–insulin–dependent) diabetes mellitus and coronary heart disease–chicken, egg or neither? Jarrett RJ. **Diabetologia** 1984 Feb;26(2):99–102 (37 ref.)

Diabetes and macrovascular disease: epidemiology, nutritional and environmental factors. Welborn TA. **Hum Nutr Clin Nutr** 1984 May;38(3):165–74 (47 ref.)

Spontaneous rupture of the normal diameter atherosclerotic aorta. Ashcraft WC, et al. **J Ky Med Assoc** 1984 Apr; 82(4):159–62

Abdominal arteriosclerotic aortic aneurysm: a study of 30 patients. Phornphibalaya P, et al. **J Med Assoc Thai** 1984 Mar;67(3):164–9

Arterial pathology in cancer patients suggests atherosclerosis regression. Malinow MR, et al. **Med Hypotheses** 1983 Jul; 11(3):353–7

The role of atheromatous plaque rupture in the genesis of myocardial infarction. Rail DL. **Med Hypotheses** 1984 Jul; 14(3):261–7

Occlusive and aneurysmal aortoiliac disease. Dealing with the consequences of atherosclerosis. Graor RA. **Postgrad Med** 1984 May 15;75(7):61–72

Atherosclerotic aneurysm formation in a femoropopliteal saphenous vein graft. Cloud W, et al. **South Med J** 1984 May;77(5):652–7

Factors contributing to stroke in patients with atherosclerotic disease of the great vessels: the role of diabetes. Weinberger J, et al. **Stroke** 1983 Sep–Oct;14(5):709–12

Ultrasonic Doppler pulse wave analysis versus penile blood pressure measurement in the evaluation of arteriogenic impotence. Metz P, et al. **Vasa** 1983;12(4):363–6

[Secondary prevention of cerebral infarction caused by atherosclerosis. 3–year comparison of flurbiprofen and an ergot derivative] Dehen H, et al. **Presse Med** 1984 Jan 21; 13(2):87–90 (Eng. Abstr.) **(Fre)**

[Thromboendarterectomy of the aorto–iliaco–femoral axis in chronic atherosclerotic obstructions] Basilico V, et al. **Minerva Chir** 1983 Oct 15;38(19):1609–11 **(Ita)**

[Aneurysms of the popliteal artery] Pegoraro M, et al. **Minerva Chir** 1984 Feb 28;39(4):217–20 (Eng. Abstr.) **(Ita)**

[Role and possible control of the risk factors in atherosclerotic vasculopathies for the evaluation of results of surgical treatment. Preliminary study on the use of pentoxifylline] Ruberti U, et al. **Ric Clin Lab** 1981;11 Suppl 1:387–94 **(Ita)**

[Serum lipoproteins and arteriosclerosis] Nambu S, et al. **Nippon Rinsho** 1983 Aug;41(8):1889–97 **(Jpn)**

[Arterial hypertension and arteriosclerosis as basic causes of blindness in diabetes mellitus] Pojda SM, et al. **Klin Oczna** 1984 Apr;86(4):153–4 (Eng. Abstr.) **(Pol)**

[A case of segmental spinal cord necrosis in the area supplied by the sulcocommissural artery] Barcikowska–Litwin M, et al. **Neurol Neurochir Pol** 1984 Jan–Feb;18(1):61–3 (Eng. Abstr.) **(Pol)**

[Compression of the optic nerves by arteriosclerotic internal carotid arteries. Case report] Gawur B, et al. **Neurol Neurochir Pol** 1983 Jul–Aug;17(4):515–7 (Eng. Abstr.) **(Pol)**

[Platelet changes in the course of immunization, with a background of experimental dyslipidemia] Sneer A, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Jan–Mar;87(1):75–8 (Eng. Abstr.) **(Rum)**

[Clinical variants of arterial hypertension associated with atherosclerosis] Ivanov RS, et al. **Klin Med (Mosk)** 1983 Oct;61(10):73–6 (Eng. Abstr.) **(Rus)**

[Successful surgical treatment of ischemia of the digestive organs caused by lesions of visceral vessels] Potashov LV, et al. **Klin Med (Mosk)** 1984 Apr;62(4):102–4 **(Rus)**

[Step–by–step treatment (hospital—sanatorium) of patients with transient cerebrovascular disorders of atherosclerotic etiology] Strelkova NI, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 Sep–Oct; (5):18–22 (Eng. Abstr.) **(Rus)**

[Changes in systemic and cerebral hemodynamics in patients with chronic cerebral circulatory insufficiency of atherosclerotic origin] Ishchenko MM, et al. **Zh Nevropatol Psikhiatr** 1984;84(1):34–9 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Localization of LDL in arteries: improvements in immunofluorescence procedures. Hoff HF, et al. **Ann NY Acad Sci** 1983;420:159–64

Diffuse disseminated atheroembolism. Three cases with neuro–ophthalmic manifestation. Coppeto JR, et al. **Arch Ophthalmol** 1984 Feb;102(2):225–8

Cross sectional echocardiographic assessment of the aortic root and coronary ostial stenosis in familial hypercholesterolaemia. Ribeiro P, et al. **Br Heart J** 1983 Nov;50(5):432–7

A clinical vignette: the clinical significance of systolic–diastolic bruits in the carotid arteries. Graor RA, et al. **Cleve Clin Q** 1984 Spring;51(1):155–8

Spectral analysis of electrical impedance measurements on the lower limbs. Soares Filho W, et al. **IEEE Trans Biomed Eng** 1983 Jul;30(7):387–91

Aneurysm of the inferior mesenteric artery. Vidal–Barraquer F, et al. **J Cardiovasc Surg (Torino)** 1983 Nov–Dec; 24(6):677–80

Neovascular glaucoma and carotid bruits. Rosenberg PR, et al. **J Clin Neuro Ophthalmol** 1984 Mar;4(1):59–67

Ergotism as a cause of acute vasospastic disease with features mimicking severe atherosclerosis. Abercrombie D, et al. **J Okla State Med Assoc** 1984 Mar;77(3):86–9

Different degrees of atherosclerosis detected by backscattered ultrasound: an in vitro study on fixed human aortic walls. Picano E, et al. **JCU** 1983 Sep;11(7):375–9

Noninvasive assessment of atherosclerosis. Blankenhorn DH, et al. **Prog Cardiovasc Dis** 1984 Jan–Feb;26(4):295–307

Ultrasonic tissue characterization of atheromatous plaques using a high resolution real time scanner. Wolverson MK, et al. **Ultrasound Med Biol** 1983 Nov–Dec;9(6):599–609

[ERG and EOG in arteriosclerotic disease of the macula] Hrachovina V, et al. **Cesk Oftalmol** 1983 Sep;39(5):317–20 (Eng. Abstr.) **(Cze)**

[Intravenous angiography, Doppler velocimetry and atheromatous lesions in cerebrovascular pathology] Celsis P, et al. **Ann Radiol (Paris)** 1983 Nov;26(7):606–9 (Eng. Abstr.) **(Fre)**

[Ultrasound and atheromatous disease : current contribution of Doppler spectrum analysis in carotid stenoses] Lapierre F, et al. **Neurochirurgie** 1984;30(4):255–62 (Eng. Abstr.) **(Fre)**

[Detection of presymptomatic stenoses in Göttingen minipigs with Doppler ultrasound] Stürm RP, et al. **Biomed Tech (Berlin)** 1984 Feb;29(1–2):6–10 (Eng. Abstr.) **(Ger)**

[Hemodynamic effect of carotid stenoses and longtime course following carotid surgery] Grobe T, et al. **Fortschr Neurol Psychiatr** 1984 Jan;52(1):6–10 (Eng. Abstr.) **(Ger)**

[Doppler sonography of extracranial cerebrovascular and peripheral arteries in arteriosclerosis risk factors and in coronary heart disease] Beyer J, et al. **Klin Wochenschr** 1984 Mar 15;62(6):278–83 (Eng. Abstr.) **(Ger)**

[Risk indicators of atherogenesis in early childhood. Studies on children in Düsseldorf kindergartens] Kupke IR. **Monatsschr Kinderheilkd** 1983 Aug;131(8):502–8 (Eng. Abstr.) **(Ger)**

[Noninvasive diagnosis of early arteriosclerotic carotid lesions using the duplex system] Hennerici M. **Vasa** 1983; 12(3):228–32 (Eng. Abstr.) **(Ger)**

[Arteriosclerosis indices of lipid and lipoprotein metabolism] Reuter W, et al. **Z Arztl Fortbild (Jena)** 1984;78(6):239–41 **(Ger)**

[Atherosclerotic aneurysms of the ascending aorta] Antonelli D, et al. **Harefuah** 1983 Feb 15;104(4):143 (Eng. Abstr.) **(Heb)**

[Diagnostic and prognostic significance of blood lipids in assessing the atherogenic risk] Piaserico P, et al. **Quad Sclavo Diagn** 1983 Mar;19(1):121–8 (Eng. Abstr.) **(Ita)**

[Lipid peroxide dynamics in lipoprotein fractions and its clinical significance] Iwata K. **Igaku Kenkyu** 1983 Dec; 53(6):356–65 (Eng. Abstr.) **(Jpn)**

[Primary hyperlipoproteinemia in its clinical and laboratory aspects. VII. Phonoangiographic study] Szmatloch E, et al. **Przegl Lek** 1984;41(2):213–6 (Eng. Abstr.) **(Pol)**

[Differential diagnosis of autoimmune and atherosclerotic diseases of the arteries of the extremities] Koshkin VM, et al. **Klin Khir** 1984 Jul;(7):9–11 (Eng. Abstr.) **(Rus)**

[Heart valve defects of atherosclerotic origin] Krylov AA. **Revmatologiia (Moskva)** 1983 Jul–Sep;(3):65–6 **(Rus)**

[Diagnostic importance of the hemostatic system indices in peripheral atherosclerosis] Elagin OS, et al. **Ter Arkh** 1984; 56(4):52–7 (Eng. Abstr.) **(Rus)**

[Disorders of tolerance to carbohydrates in elderly persons as a risk factor in atherosclerosis] Grigorov IuG, et al. **Vrach Delo** 1983 Aug;(8):28–32 (Eng. Abstr.) **(Rus)**

DIET THERAPY

The Pritikin diet [letter] Pritikin N. **JAMA** 1984 Mar 2; 251(9):1160–1

DRUG THERAPY

Heparin and atherosclerosis. Engelberg H. **Adv Lipid Res** 1983;20:219–55 (285 ref.)

Preangioplasty fibrinolytic therapy using SP–54 including acute and subacute occlusions. Haapanen A, et al. **Ann Radiol (Paris)** 1984 Apr–May;27(4):340

Combined effects of cholestyramine and probucol on regression of atherosclerosis in rhesus monkey aortas. Wissler RW, et al. **Appl Pathol** 1983;1(2):89–96

Chelation clinics. An abuse of the physician's freedom of choice [editorial] Soffer A. **Arch Intern Med** 1984 Sep; 144(9):1741–2

Anti–inflammatory drugs in experimental atherosclerosis. Part 5. Influence of cortisone acetate on short–term and long–term cholesterol fluxes in atherosclerotic aorta. Bailey JM, et al. **Atherosclerosis** 1984 May–Jun;51(2–3):299–306

Dietary cyclandelate decreases pre–established atherosclerosis in the rabbit. Middleton B, et al. **Atherosclerosis** 1984 May–Jun;51(2–3):171–8

Ineffectiveness of Ca2+–antagonists nicardipine and diltiazem on experimental atherosclerosis in cholesterol–fed rabbits [letter] Naito M, et al. **Atherosclerosis** 1984 May–Jun;51(2–3):343–4

Inhibition of atherosclerosis in the rabbit by cyclandelate. Middleton A, et al. **Br J Clin Pract [Symp Suppl]** 1984; 34:39–42

Chelation clinics. An abuse of the physician's freedom of choice. Soffer A. **Chest** 1984 Aug;86(2):157–8

Potential antiatherosclerotic agents. 2. (Aralkylamino)– and (alkylamino) benzoic acid analogues of cetaben. Albright JD, et al. **J Med Chem** 1983 Oct;26(10):1378–93

Potential antiatherosclerotic agents. 3. Substituted benzoic and non benzoic acid analogues of cetaben. Albright JD, et al. **J Med Chem** 1983 Oct;26(10):1393–411

Potential antiatherosclerotic agents. 4. [(Functionalized–alkyl)amino]benzoic acid analogues of cetaben. DeVries VG, et al. **J Med Chem** 1983 Oct; 26(10):1411–21

Treatment of hyperlipidaemia and progression of atherosclerosis [letter] Blankenhorn DH, et al. **Lancet** 1983 Nov 19;2(8360):1193

Hypolipemic profile of plafibride in a model of experimental atherosclerosis. Badimón JJ, et al. **Methods Find Exp Clin Pharmacol** 1983 Nov;5(9):613–7

Chelation therapy for the treatment of atherosclerosis. An appraisal. Pentel P, et al. **Minn Med** 1984 Feb;67(2):101–3

What about chelation? [editorial] Cashion WR Jr. **Tex Med** 1984 Feb;80(2):6–7

Chelation therapy in 1984. Gotto AM Jr. **Tex Med** 1984 Feb; 80(2):36–7

Dihomo–gamma–linolenic acid in patients with atherosclerosis: effects on platelet aggregation, plasma lipids and low–density lipoprotein–induced inhibition of prostacyclin generation. Szczeklik A, et al. **Thromb Haemost** 1984 Apr 30;51(2):186–8

[Atherosclerosis treatment with etofibrate retard. New perspectives] Degenring FH, et al. **Fortschr Med** 1983 Aug 11;101(30):1391–6 (Eng. Abstr.) **(Ger)**

[Are 'rheologic agents' therapeutically useful?] Ernst E. **ZFA (Stuttgart)** 1984 Feb 20;60(5):192–200 **(Ger)**

[Vitamin E and arteriosclerosis] Simon–Schnass I, et al. **ZFA (Stuttgart)** 1983 Sep 30;59(27):1474–6 **(Ger)**

[Clinical study of the combination of calcium phosphorylcholine and pantetheine] Ligas B, et al. **Clin Ter** 1983 Sep 30;106(6):441–6 (Eng. Abstr.) **(Ita)**

[Effect of troxerutin on platelet aggregation in patients with arteriosclerosis] Myśliwiec M, et al. **Pol Tyg Lek** 1983 Oct 31;38(44):1367–8 (Eng. Abstr.) **(Pol)**

[1–ethoxysilatrane—an inhibitor of the development of experimental atherosclerotic lesion of the aorta] Konova NS, et al. **Dokl Akad Nauk SSSR** 1984;276(3):757–9 **(Rus)**

[Effect of trimethylglycine on lipid metabolism in experimental atherosclerosis in rabbits] Pantelelmonova TN, et al. **Farmakol Toksikol** 1983 Jul–Aug;46(4):83–5 (Eng. Abstr.) **(Rus)**

[Treatment of atherosclerosis with hypolipidemic and antiuricemic agents] Plastinina RA, et al. **Sov Med** 1984; (1):83–7 **(Rus)**

[Pharmacologic therapy of atherosclerosis (I). Current possibilities] Segarra Domènech J, et al. **Med Clin (Barc)** 1983 Nov 26;81(17):775–83 (142 ref.) **(Spa)**

ENZYMOLOGY

Lysosomal proteases in the normal and atherosclerotic arterial wall. Lojda Z, et al. **Histochem J** 1984 Apr; 16(4):399–405

Aortic enzyme alterations in experimentally induced atherosclerosis in rhesus monkeys. Kukreja RS, et al. **Indian J Med Res** 1984 Feb;79:260–7

[Change in the activity of the microsomal system of liver oxidation in rabbits in experimental atherosclerosis] Antonova GN, et al. **Vopr Med Khim** 1984 Mar–Apr; 30(2):67–71 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Fatal atherosclerosis developed in less than 4 years in an aortocoronary vein graft in a hyperlipidemic patient. Falk E. **Acta Pathol Microbiol Immunol Scand [A]** 1984 Jan; 92(1):73–5

Antithrombin III and atherosclerosis. Conard J, et al. **Adv Exp Med Biol** 1984;164:59–63

Distal embolization of a coronary artery bypass graft atheroma during percutaneous transluminal coronary angioplasty. Aueron F, et al. **Am J Cardiol** 1984 Mar 15; 53(7):953–4

Extreme hypercholesterolemia=malignant atherosclerosis [editorial] Roberts WC. **Am J Cardiol** 1984 Jul 1; 54(1):242–3

Nutrient intake and its association with high-density lipoprotein and low-density lipoprotein cholesterol in selected US and USSR subpopulations. The US–USSR Steering Committee for Problem Area I: The pathogenesis of atherosclerosis. **Am J Clin Nutr** 1984 Jun;39(6):942–52

Effect of skim milk and yogurt on serum lipids and development of sudanophilic lesions in cholesterol-fed rabbits. Kiyosawa H, et al. **Am J Clin Nutr** 1984 Sep; 40(3):479–84

New concepts about the pathogenesis of atherosclerosis in diabetes mellitus. Colwell JA, et al. **Am J Med** 1983 Nov 30;75(5B):67–80 (172 ref.)

Effects of caloric restriction and weight loss on glycemic control, insulin release and resistance, and atherosclerotic risk in obese patients with type II diabetes mellitus. Hughes TA, et al. **Am J Med** 1984 Jul;77(1):7–17

Early atherogenesis in White Carneau pigeons. I. Leukocyte margination and endothelial alterations at the celiac bifurcation. Jerome WG, et al. **Am J Pathol** 1984 Jul; 116(1):56–68

Studies on the pathogenesis of atherosclerosis. I. Adhesion and emigration of mononuclear cells in the aorta of hypercholesterolemic rats. Joris I, et al. **Am J Pathol** 1983 Dec;113(3):341–58

Increased atherosclerosis and glomerulonephritis in cynomolgus monkeys (Macaca fascicularis) given injections of BSA over an extended period of time. Stills HF Jr, et al. **Am J Pathol** 1983 Nov;113(2):222–34

Modification of cell membrane composition by dietary lipids and its implications for atherosclerosis. Kummerow FA. **Ann NY Acad Sci** 1983;414:29–43 (91 ref.)

Apoproteins B and A–I and coronary artery disease in humans. Brunzell JD, et al. **Arteriosclerosis** 1984 Mar–Apr; 4(2):79–83 (55 ref.)

Morphometry of air–drying–induced arteriosclerosis in rat carotid artery. Effect of air–flow rate. van Pelt–Verkuil E, et al. **Arteriosclerosis** 1983 Sep–Oct;3(5):441–51

Endothelial healing in the rabbit aorta and the effect of risk factors for atherosclerosis. Hypercholesterolemia. Walker LN, et al. **Arteriosclerosis** 1984 Sep–Oct;4(5):479–88

Cigarette smoke and carbon monoxide do not have equivalent effects upon development of arteriosclerotic lesions. Penn A, et al. **Artery** 1983;12(2):117–31

Experimental atherosclerosis in rabbits fed cholesterol-free diets. Part 12. Comparison of peanut and olive oils. Kritchevsky D, et al. **Atherosclerosis** 1984 Mar;50(3):253–9

Dietary protein and atherosclerosis [letter] Kritchevsky D. **Atherosclerosis** 1983 Nov;49(2):209–10

Integrity of arterial endothelium following acute exposure to high shear stress. Langille LB. **Biorheology** 1984; 21(3):333–46

Permeation and deposition of fibrinogen and low-density lipoprotein in the aorta and cerebral artery of rabbits—immuno–electron microscopic study. Kurozumi T, et al. **Br J Exp Pathol** 1984 Jun;65(3):355–64

A hypothesis of atherogenesis. **Ciba Found Symp** 1983; 100:198–206

The distribution of arteriolosclerosis along the arterioles in DOCA hypertensive rats. Walker MB, et al. **Clin Exp Pharmacol Physiol** 1983 May–Jun;10(3):319–23

Interactions of immune function with lipids and atherosclerosis. Klurfeld DM. **CRC Crit Rev Toxicol** 1983; 11(4):333–65 (178 ref.)

'Risk factors' and manifestations of arteriosclerosis in patients with intermittent claudication compared to normal persons. Jacobsen UK, et al. **Dan Med Bull** 1984 Apr;31(2):145–8

Carotid artery disease in NIDDM diabetes. Chan A, et al. **Diabetes Care** 1983 Nov–Dec;6(6):562–9

Atherogenic risk in obese and in diabetic children. Popa I, et al. **Endocrinologie** 1984 Jan–Mar;22(1):61–70

Diabetes and macrovascular disease: risk factors for atherogenesis and non–invasive investigation of arterial disease. Wahlqvist ML, et al. **Hum Nutr Clin Nutr** 1984 May;38(3):175–84 (70 ref.)

Pediatric aspects of lipid–induced atherogenesis. Kannel WB. **J Am Coll Nutr** 1984;3(2):139–46

The Biograft for femoropopliteal bypass. Boontje AH. **J Cardiovasc Surg (Torino)** 1983 Sep–Oct;24(5):497–502

Exercise and risk factors for arteriosclerosis in 42 married couples followed over four years. Paulev PE. **J Chronic Dis** 1984;37(7):545–53

Relationship of an abnormal plasma lipoprotein to protection from atherosclerosis in the cholesterol-fed diabetic rabbit. Brecher P, et al. **J Clin Invest** 1983 Nov;72(5):1553–62

Possible role of deficiency of selenium and vitamin E in atherosclerosis [letter] Mitchinson MJ. **J Clin Pathol** 1984 Jul;37(7):837

Homocyst(e)ine accumulation in pigs fed diets deficient in vitamin B–6: relationship to atherosclerosis. Smolin LA, et al. **J Nutr** 1983 Oct;113(10):2022–33

Vasectomy and atherosclerosis in Macaca fascicularis. New findings in a controversial issue. Lauersen NH, et al. **J Reprod Med** 1983 Nov;28(11):750–8

Filipin–positive, oil red O–negative particles in atherosclerotic lesions induced by cholesterol feeding. Kruth HS. **Lab Invest** 1984 Jan;50(1):87–93

Cellular senescence and atherosclerosis. Johansson B. **Med Hypotheses** 1984 Jun;14(2):115–24 (50 ref.)

Atherosclerosis: a molecular disease of membrane fusion. Kaul D. **Med Hypotheses** 1983 Aug;11(4):439–47

Macrophages, oxidised lipids and atherosclerosis. Mitchinson MJ. **Med Hypotheses** 1983 Oct;12(2):171–8

Vasectomy is bad for your rat [letter] Edwards IS. **Med J Aust** 1983 Oct 29;2(9):418

Homocysteine and arteriosclerosis [letter] Beier RC. **Nature** 1984 Jul 5–11;310(5972):18

Atherogenicity of trans fatty acids in rabbits. **Nutr Rev** 1984 May;42(5):197–8 (6 ref.)

Triacylglycerol structure and the atherogenicity of peanut oil. **Nutr Rev** 1983 Oct;41(10):322–3

The influence of hypertension and other hemodynamic factors in atherogenesis. Chobanian AV. **Prog Cardiovasc Dis** 1983 Nov–Dec;26(3):177–96 (180 ref.)

Putative atherogenic factors in patients with chronic renal failure. Green D, et al. **Prog Cardiovasc Dis** 1983 Sep–Oct; 26(2):133–44 (130 ref.)

Contribution of thrombogenic factors to the pathogenesis of atherosclerosis. Niewiarowski S, et al. **Prog Cardiovasc Dis** 1983 Nov–Dec;26(3):197–222 (331 ref.)

Diabetes as an atherogenic factor. Ruderman NB, et al. **Prog Cardiovasc Dis** 1984 Mar–Apr;26(5):373–412 (435 ref.)

High-density lipoproteins, reverse cholesterol transport and atherosclerosis—recent developments. Berger GM. **S Afr Med J** 1984 Mar 31;65(13):503–6

Vertebral artery stenosis: long–term follow–up. Moufarrij NA, et al. **Stroke** 1984 Mar–Apr;15(2):260–3

Cholesterol autoxidation, health and arteriosclerosis. A review on situations in developed countries. Peng SK, et al. **World Rev Nutr Diet** 1984;44:117–54 (123 ref.)

The mass transport of the arterial wall: effect of mechanical stresses and vasoactive agents, including nitrates. Caro CG, et al. **Z Kardiol** 1983;72 Suppl 3:178–81

[High-density lipoprotein cholesterol and the atherogenic index in patients with different types of hyperlipoproteinemias] Apostolov I, et al. **Vutr Boles** 1983; 22(3):70–4 (Eng. Abstr.) **(Bul)**

[The effect of hypothalamus destruction on experimental atherosclerosis] Wang TB. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1983 Jun; 11(2):144–6 (Eng. Abstr.) **(Chi)**

[Studies on the role of serum beta-lipoprotein in the pathogenesis of atheroma. II. Incorporation of 131I-labelled rabbit serum beta-lipoprotein into aorta] Wang KQ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1983 Dec; 5(6):361–5 (Eng. Abstr.) **(Chi)**

[Vascular diseases and sterilization in man: nonsense?] Verheugt FW. **Ned Tijdschr Geneeskd** 1984 May 19; 128(20):962–3 **(Dut)**

[Atheroma in drug addicts (letter)] Lecomte D, et al. **Presse Med** 1984 Jul 7;13(28):1750 **(Fre)**

[Atherosclerosis and inflammation: therapeutic perspectives?] Jouve R. **Rev Med Interne** 1984 Mar;5(1):17–20 **(Fre)**

[Atherosclerosis: basic mechanisms] Jacotot B. **Sem Hop Paris** 1983 Nov 24;59(43):3009–14 (9 ref.) (Eng. Abstr.) **(Fre)**

[Extracardiac atherosclerosis in patients with familial hypercholesterolemia] Keller C, et al. **Klin Wochenschr** 1983 Nov 15;61(22):1123–30 (Eng. Abstr.) **(Ger)**

[Dyslipoproteinemia and vascular injury] Saitta A, et al. **Boll Soc Ital Cardiol** 1983 Aug;28(8):695–720 (Eng. Abstr.) **(Ita)**

[Diabetes and atherosclerosis] Donatelli M, et al. **Recenti Prog Med** 1984 Mar;75(3):262–70 (Eng. Abstr.) **(Ita)**

[Thrombosis and atherosclerosis—role of thrombus formation in atherogenesis and thrombosis of organ arteries] Tanaka K. **Nippon Ronen Igakkai Zasshi** 1983 May;20(3):201–6 **(Jpn)**

[Cardiovascular diseases and clinical laboratory examination. (5). Atherosclerosis and abnormal metabolism of lipids] Hirabaru K, et al. **Rinsho Byori** 1983 Oct;31(10):1078–82 **(Jpn)**

[Lipoproteins] Yamamoto A, et al. **Rinsho Byori** 1983 Aug; 31(8):863–73 **(Jpn)**

[Disorders of arachidonic acid metabolism in experimental arteriosclerosis] Dembińska–Kieć A. **Folia Med Cracov** 1982–83;24(1–2):119–40 (Eng. Abstr.) **(Pol)**

[Arteriosclerosis as a problem of the developmental age] Baszczyński J, et al. **Pediatr Pol** 1983 Feb;58(2):201–5 **(Pol)**

[Arteriosclerosis risk factors in children and adolescents] Urban M, et al. **Pediatr Pol** 1984 Feb;59(2):163–8 **(Pol)**

[Role of the von Willebrand factor in the physiopathology of primary hemostasis] Dmoszyńska–Giannopoulou A. **Pol Tyg Lek** 1983 Nov 28;38(48):1519–21 (22 ref.) **(Pol)**

[Aging and its relation to arteriosclerosis] Zakowska–Wachelko B, et al. **Pol Tyg Lek** 1983 Jun 27; 38(26):801–4 **(Pol)**

[Genetic aspects of arteriosclerosis] Maciołowski M. **Przegl Lek** 1983;40(10):743–7 (98 ref.) **(Pol)**

[Various aspects of the pathogenesis of atherosclerosis] Markiewicz M, et al. **Wiad Lek** 1983 Nov 1;36(21):1819–26 **(Pol)**

[Role of blood platelets in the pathogenesis of arteriosclerosis] Wysokiński A. **Wiad Lek** 1983 May 15;36(10):843–8 (30 ref.) (Eng. Abstr.) **(Pol)**

[Atherogenic implications in obesity and diabetes mellitus in children] Popa I, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1983 Oct–Dec; 32(4):321–34 (Eng. Abstr.) **(Rum)**

[Role of the monocytes and IgG in the development of atherosclerotic lesions in the aorta of rabbits] Nagornev VA, et al. **Arkh Patol** 1983;45(6):19–26 (Eng. Abstr.) **(Rus)**

[Quantitative histoenzymological and biochemical studies of the stages of atherogenesis in human coronary arteries (based on the data of early autopsies] Tararak EM, et al. **Arkh Patol** 1983;45(6):14–9 (Eng. Abstr.) **(Rus)**

[Circulating antibodies to aortic elastin and their significance in human arteriosclerosis] Ivanovskiĭ IuV, et al. **Patol Fiziol Eksp Ter** 1983 Jul–Aug;(4):61–4 (Eng. Abstr.) **(Rus)**

[Role of the liver in the etiology of atherosclerosis in diabetes mellitus] Khvorostinka VN. **Ter Arkh** 1983;55(12):75–8 (Eng. Abstr.) **(Rus)**

[Atherosclerosis, hypertension and age (an experimental study)] Gorev NN, et al. **Vestn Akad Med Nauk SSSR** 1984;(3):16–20 (Eng. Abstr.) **(Rus)**

[Vitamins and atherosclerosis] Mironchik VV. **Vopr Pitan** 1983 Sep–Oct;(5):3–9 (71 ref.) **(Rus)**

[Disorders of lipoprotein metabolism as a risk factor in atherosclerosis in patients with glomerulonephritis] Nikulina GG, et al. **Vrach Delo** 1983 Aug;(8):53–6 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Genetic selection, general characterization, and histology of atherosclerosis-susceptible and -resistant Japanese quail. Shih JC, et al. **Atherosclerosis** 1983 Oct;49(1):41–53

A new isoform of apolipoprotein E—apo E–5—associated with hyperlipidemia and atherosclerosis. Yamamura T, et al. **Atherosclerosis** 1984 Feb;50(2):159–72

A genetic marker for atherosclerosis? [letter] Hansen ES. **Lancet** 1984 Apr 21;1(8382):911

Atherosclerosis, the ear lobe crease, and chromosome 11 [letter] Jarrett RJ. **Lancet** 1984 Mar 3;1(8375):513

DNA polymorphisms flanking insulin gene and atherosclerosis [letter] Jowett NI, et al. **Lancet** 1984 Aug 11;2(8398):348

DNA sequences flanking the insulin gene on chromosome 11 confer risk of atherosclerosis. Mandrup–Poulsen T, et al. **Lancet** 1984 Feb 4;1(8371):250–2

A genetic marker for atherosclerosis? [letter] Mandrup–Poulsen T, et al. **Lancet** 1984 May 19; 1(8386):1131

A DNA insertion in the apolipoprotein A–I gene of patients with premature atherosclerosis. Karathanasis SK, et al. **Nature** 1983 Oct 27–Nov 2;305(5937):823–5

[Apolipoproteins in the evaluation of familial susceptibility to atherosclerosis] Jirkovská A, et al. **Cas Lek Cesk** 1984 Feb 3;123(5):130–2 (Eng. Abstr.) **(Cze)**

[Atherosclerosis in familial hypercholesteremia possibly induced by defective HDL] Breier C, et al. **Schweiz Med Wochenschr** 1984 Mar 3;114(9):288–91 (Eng. Abstr.) **(Ger)**

[Validity of the family medical history in children for the identification of subjects at atherogenic risk] Oggero R, et al. **Minerva Pediatr** 1984 Apr 30;36(8):405–7 (Eng. Abstr.) **(Ita)**

[Clinico–genealogic evaluation of cholesterol and beta–lipoprotein indices in children with a family history of atherosclerosis] Frolova TA, et al. **Pediatriia** 1984 Apr; (4):51–2 **(Rus)**

IMMUNOLOGY

In situ characterization of the foam cells in early human atherosclerotic lesions. Vedeler CA, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1984 Apr; 92(2):133–7

Absence of an effect of tolerance to milk protein on experimental atherosclerosis in rabbits. Notley JR, et al. **Atherosclerosis** 1984 Aug;52(2):199–202

Cytomegalovirus and atherosclerosis [letter] Smith MS, et al. **S Afr Med J** 1984 May 19;65(20):793

[Experimental injury of the aorta of rabbits of various ages by immune complexes] Zaĭchenko AP, et al. **Fiziol Zh** 1983 Jul–Aug;29(4):405–10 (Eng. Abstr.) **(Rus)**

METABOLISM

Turnover of low density lipoproteins in normal and atherosclerotic rabbits. Peluffo RO, et al. **Acta Physiol Lat Am** 1983;33(1):33–43

Connective tissue metabolism in development and healing of atherosclerotic lesions during life. Lindner J, et al. **Adv Exp Med Biol** 1984;168:85–114

Localization of unesterified cholesterol in human atherosclerotic lesions. Demonstration of filipin–positive, oil–red–O–negative particles. Kruth HS. **Am J Pathol** 1984 Feb;114(2):201–8

No effect of nifedipine on atherogenesis in cholesterol–fed

rabbits. Stender S, et al. **Arteriosclerosis** 1984 Jul–Aug; 4(4):389–94

Growth properties and composition of cytoskeletal and cytocontractile proteins in aortic cells isolated and cultured from normal and atherosclerotic rabbits. Kallioniemi OP, et al. **Atherosclerosis** 1984 Jul;52(1):13–26

Effect of trans–unsaturated fats on experimental atherosclerosis in vervet monkeys. Kritchevsky D, et al. **Atherosclerosis** 1984 Apr;51(1):123–33

Histochemical detection of esterified cholesterol within human atherosclerotic lesions using the fluorescent probe filipin. Kruth HS. **Atherosclerosis** 1984 May–Jun; 51(2–3):281–92

Crystallinity of mineral deposited in arterial walls in the course of arteriosclerosis in diabetics and in patients with normal carbohydrate metabolism. Dziedzic–Goclawska A, et al. **Basic Appl Histochem** 1984;28(1):21–8

Elevation of histidinoalanine in calcified human aortas. Fujimoto D, et al. **Biochem Int** 1984 Apr;8(4):553–60

Low–density lipoprotein concentration in interstitial fluid from human atherosclerotic lesions. Relation to theories of endothelial damage and lipoprotein binding. Smith EB, et al. **Biochim Biophys Acta** 1983 Dec 20;754(3):249–57

Dynamics of lipoprotein–glycosaminoglycan interactions in the atherosclerotic rabbit aorta in vivo. Srinivasan SR, et al. **Biochim Biophys Acta** 1984 Apr 18;793(2):157–68

Folic acid and lipoprotein lipase from aorta and blood plasma of atherosclerotic rats. Povoa H Jr, et al. **Biomed Biochim Acta** 1984;43(2):241–4

Some pathogenetic factors of age–related specificities in experimental atherosclerosis. Gorev NN, et al. **Cor Vasa** 1983;25(3):196–205

Cytochemical correlates of atherosclerosis–resistant and susceptible lesions of the normal rabbit aorta. Doebler JA, et al. **Exp Mol Pathol** 1984 Feb;40(1):38–50

Histochemical detection and differentiation of free and esterified cholesterol in swine atherosclerosis using filipin. Kruth HS, et al. **Exp Mol Pathol** 1984 Jun;40(3):288–94

Role of aging in lipid metabolism in the aorta of rats. Morisaki N, et al. **Gerontology** 1984;30(1):13–21

Collagen types in normal and atherosclerotic human aorta. Dahiya R, et al. **Indian Heart J** 1983 Nov–Dec;35(6):326–8

An update on the hyperlipidemias and atherosclerosis. Powell RC. **Indiana Med** 1984 Jun;77(6):441–5

Actin expression in smooth muscle cells of rat aortic intimal thickening, human atheromatous plaque, and cultured rat aortic media. Gabbiani G, et al. **J Clin Invest** 1984 Jan; 73(1):148–52

Lipids and cholesterol esterifying enzyme changes by Anna Pavala Sindhooram therapy in experimental rat hyperlipaemia. Shanmugasundaram KR, et al. **J Ethnopharmacol** 1983 Jul;8(1):35–52

Lipids of human atherosclerotic plaques and xanthomas: clues to the mechanism of plaque progression. Rapp JH, et al. **J Lipid Res** 1983 Oct;24(10):1329–35

In vitro study of low density lipoprotein—collagen interaction. Eskenasy M, et al. **Morphol Embryol (Bucur)** 1984 Apr–Jun;30(2):147–52

Increased prostacyclin biosynthesis in patients with severe atherosclerosis and platelet activation. FitzGerald GA, et al. **N Engl J Med** 1984 Apr 26;310(17):1065–8

Destruction of elastic tissue (elastolysis) as a link between atherosclerosis and the temporal arteritis/polymyalgia rheumatica syndrome. Observations on an actinic factor in vascular disease. O'Brien JP. **Pathol Biol (Paris)** 1984 Feb;32(2):123–38 (192 ref.)

Aminomalonic acid: identification in Escherichia coli and atherosclerotic plaque. Van Buskirk JJ, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(3):722–5

Prostacyclin–formation by the rabbit aorta: relation to atherosclerosis. Voss R, et al. **Prostaglandins Leukotrienes Med** 1983 Aug;11(4):451–6

Effect of niceritrol on lipid metabolism of aorta in atherosclerotic rats. Shirai K, et al. **Tohoku J Exp Med** 1984 Jun;143(2):231–8

[Receptor–mediated endocytosis and atherosclerosis] Chaldŭkov G. **Vutr Boles** 1984;23(3):8–11 (10 ref.) **(Bul)**

[A preliminary cytochemical study on lipid distribution in atherosclerotic lesions in human aorta] Deng BS. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1983 Dec; 11(4):301–4 (Eng. Abstr.) **(Chi)**

[Plasma thromboxane B2 and capacity of the aorta to produce prostacyclin in arteriopathies of the lower extremities] Jouve R, et al. **J Mal Vasc** 1983;8(3):221–5 (Eng. Abstr.) **(Fre)**

[Fatty acids and lipid peroxidation in experimental atheroma in the rabbit. Role played by silicon] Loeper J, et al. **Pathol Biol (Paris)** 1984 Jun;32(6):693–7 (Eng. Abstr.) **(Fre)**

[Characteristics of changes in lipid and carbohydrate metabolism, autoimmune reactions and hemocoagulation in elderly patients with atherosclerosis at various sites] Cebotarev DF, et al. **ZFA** 1983 Jul–Aug;38(4):249–60 (Eng. Abstr.) **(Ger)**

[Water–salt regulation in young subjects with essential hypertension and in hypertensives with angiosclerosis] Cortinovis A, et al. **Boll Soc Ital Cardiol** 1983 Mar; 28(3):215–26 (Eng. Abstr.) **(Ita)**

[Studies on the action of elastase; effect of elastase on the metabolism of lipids and connective tissues in experimental atherosclerosis] Seyama Y, et al. **Nippon Ronen Igakkai Zasshi** 1983 Jan;20(1):22–7 (Eng. Abstr.) **(Jpn)**

[Immunomorphologic characteristics of the distribution of collagen types I, III, IV and V in normal intima and in atherosclerosis of the major arteries and aorta in man] Shekhonin BV, et al. **Arkh Patol** 1984;46(3):18–24 (Eng. Abstr.) **(Rus)**

[Decrease in the lipid content of human atherosclerotic aorta cells as affected by compounds increasing the intracellular level of cyclic AMP] Tertov VV, et al. **Biull Eksp Biol Med** 1984 Feb;97(2):157–8 (Eng. Abstr.) **(Rus)**

[Elemental analysis of atherosclerotic plaque using laser mass–spectrometry] Arabidze GG, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1983;6(2):41–6 (Eng. Abstr.) **(Rus)**

[Steroidal hormones, biogenic amines in arteriosclerosis and pulmonary hypertension in patients with chronic nonspecific pulmonary disease] Pribylova NN. **Kardiologiia** 1983 Jul;23(7):76–9 (Eng. Abstr.) **(Rus)**

[Relation between concentration of structural components of aortic atherosclerotic plaques and the age and sex of the patients and nature of the disease] Avtandilov GG, et al. **Sov Med** 1984;(3):7–11 (Eng. Abstr.) **(Rus)**

[Lipid transport in hypokinesia and protein deficiency] Sharmanov TSh. **Ukr Biokhim Zh** 1984 May–Jun; 56(3):293–301 (Eng. Abstr.) **(Rus)**

[Content of lipids in cells, isolated from normal and atherosclerotically–altered portions of the human aorta] Tertov VV, et al. **Vopr Med Khim** 1983 Sep–Oct;29(5):83–6 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Herpesviridae in the endothelial and smooth muscle cells of the proximal aorta in arteriosclerotic patients. Gyorkey F, et al. **Exp Mol Pathol** 1984 Jun;40(3):328–39

Viruses in the etiology of atherosclerosis. Benditt EP, et al. **Proc Natl Acad Sci USA** 1983 Oct;80(20):6386–9

MORTALITY

[Statistical study on the causes of death in arteriosclerosis of the lower extremities] Martorell A. **Angiologia** 1984 Jan–Feb;36(1):36–8 **(Spa)**

OCCURRENCE

Atherosclerosis in Japan and the USA [letter] Ishii T, et al. **Lancet** 1984 Feb 11;1(8372):339

[Hormonal treatment of the menopause and vascular pathology] Rozenbaum H. **J Mal Vasc** 1984;9 Suppl A:32–4 **(Fre)**

[Clinical studies on peripheral arteriosclerotic lesions in the Piedmont region] Abeatici S, et al. **Minerva Med** 1983 Oct 13;74(39):2291–6 (Eng. Abstr.) **(Ita)**

[Incidence of microangiopathies in patients with non–insulin–dependent diabetes mellitus according to the data of skin biopsy] Saltykov BB, et al. **Sov Med** 1984; (4):113–6 **(Rus)**

[Geriatric aspects of diabetes mellitus and diabetic angiopathies] Efimov ES. **Ter Arkh** 1983;55(12):64–6 (Eng. Abstr.) **(Rus)**

[Epidemiologic aspects of ischemic heart disease, arterial hypertension and atherogenic changes in the blood lipid composition of men and women in Leningrad aged 20 to 69] Lipovetskii BM, et al. **Ter Arkh** 1984;56(4):44–8 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Ultrastructural studies of the mouse aorta and its endothelial pinocytosis in diet–induced arteriosclerosis. Fujino M. **Acta Pathol Jpn** 1983 Nov;33(6):1115–30

Pathological principles involved in regression of atherosclerosis. Adams CW. **Adv Exp Med Biol** 1984; 168:1–13 (31 ref.)

Ultrastructural features of healing and scarring of experimental atheroma. Weber G. **Adv Exp Med Biol** 1984; 168:37–50 (63 ref.)

Comparison at necropsy by age group of amount and distribution of narrowing by atherosclerotic plaque in 2995 five–mm long segments of 240 major coronary arteries in 60 men aged 31 to 70 years with sudden coronary death. Warnes CA, et al. **Am Heart J** 1984 Sep;108(3 Pt 1):431–5

An ultrastructural comparison of carcinogen–associated and spontaneous aortic lesions in the cockerel. Batastini G, et al. **Am J Pathol** 1984 Mar;114(3):403–9

Cellular composition of atherosclerotic and uninvolved human aortic subendothelial intima. Light–microscopic study of dissociated aortic cells. Orekhov AN, et al. **Am J Pathol** 1984 Apr;115(1):17–24

The clonal characteristics of human aortic intima. Comparison with fatty streaks and normal media. Pearson TA, et al. **Am J Pathol** 1983 Oct;113(1):33–40

Human atherosclerosis. I. Cell constitution and characteristics of advanced lesions of the superficial femoral artery. Ross R, et al. **Am J Pathol** 1984 Jan; 114(1):79–93

Gender and pre–atherosclerotic lesions. Effects on prevalence in human abdominal aortas. Austin GE, et al. **Arch Pathol Lab Med** 1984 Oct;108(10):811–3

Renal cell neoplasms. Their relationship to arteriolonephrosclerosis. Budin RE, et al. **Arch Pathol Lab Med** 1984 Feb;108(2):138–40

Immunohistochemical localization of apolipoprotein B in human atherosclerotic lesions. Yomantas S, et al. **Arch Pathol Lab Med** 1984 May;108(5):374–8

Studies of hypercholesterolemia in the nonhuman primate. II. Fatty streak conversion to fibrous plaque. Faggiotto A, et al. **Arteriosclerosis** 1984 Jul–Aug;4(4):341–56

Studies of hypercholesterolemia in the nonhuman primate. I. Changes that lead to fatty streak formation. Faggiotto A, et al. **Arteriosclerosis** 1984 Jul–Aug;4(4):323–40

George Lyman Duff memorial lecture. Persistent problems in the pathogenesis of atherosclerosis. McGill HC Jr. **Arteriosclerosis** 1984 Sep–Oct;4(5):443–51 (55 ref.)

Regression of atherosclerotic lesions. Malinow MR, et al. **Arteriosclerosis** 1984 May–Jun;4(3):292–5

Cholesterol–induced atherosclerosis. Clonal characteristics of arterial lesions in the hybrid hare. Pearson TA, et al. **Arteriosclerosis** 1983 Nov–Dec;3(6):574–80

Organization of experimentally induced arterial thrombosis in rats from two weeks until ten months. The development of an arteriosclerotic lesion and the occurrence of rethrombosis. van Aken PJ, et al. **Artery** 1983;11(5):384–99

Quantitative morphological evaluation of experimentally induced atheroma. Visscher GE, et al. **Artery** 1983; 12(2):95–103

Smooth muscle, leiomyomas and atherosclerosis [letter] Abdulla YH, et al. **Atherosclerosis** 1984 Feb;50(2):233–5

Ciliated smooth muscle cells in aortic atherosclerotic lesions of rabbit. Haust MD. **Atherosclerosis** 1984 Mar;50(3):283–93

Changes in the connective tissue proteins, glycosaminoglycans and calcium in the arteries of the cynomolgus monkey during atherosclerotic induction and regression. Hollander W, et al. **Atherosclerosis** 1984 Apr; 51(1):89–108

Correlations of aortic histology with gross aortic atherosclerosis and metabolic measurements in diabetic and nondiabetic Macaca nigra. Howard CF Jr, et al. **Atherosclerosis** 1984 Jul;52(1):85–100

Hypo–atherogenic effect of dietary corn oil exceeds hypo–cholesterolemic effect in swine. Kim DN, et al. **Atherosclerosis** 1984 Jul;52(1):101–13

Location and development of atherosclerotic lesions in coronary arteries [letter] Stary HC. **Atherosclerosis** 1984 Feb;50(2):237–9

Natural resistance to atherosclerosis exhibited by the first centimeter of left and right coronary arteries. Velican C, et al. **Atherosclerosis** 1984 Feb;50(2):173–81

Lipid composition of low–density lysosomal membrane fraction prepared from atheromatous aorta of cholesterol–fed rabbits. Amanuma–Muto K, et al. **Biochem Int** 1983 Jul;7(1):107–14

Effect of sulfinpyrazone on homocysteine–induced endothelial injury and arteriosclerosis in baboons. Harker LA, et al. **Circ Res** 1983 Dec;53(6):731–9

Painless diarrhea secondary to intestinal ischemia. Diagnosis of atheromatous emboli by jejunal biopsy. Socinski MA, et al. **Dig Dis Sci** 1984 Jul;29(7):674–7

A study of atherosclerosis regression in Macaca mulatta. V. Changes in abdominal aorta and carotid and coronary arteries from animals with atherosclerosis induced for 38 months and then regressed for 24 or 48 months at plasma cholesterol concentrations of 300 or 200 mg/dl. Clarkson TB, et al. **Exp Mol Pathol** 1984 Aug;41(1):96–118

Population dynamics of arterial cells during atherogenesis. XIII. Mitogenic and cytotoxic effects of a hyperlipidemic (HL) diet on cells in advanced lesions in the abdominal aortas of swine fed an HL diet for 270–345 days. Thomas WA, et al. **Exp Mol Pathol** 1983 Dec;39(3):257–70

Microatheromas of very small arteries: unusual lesions involving primarily the pancreas. Stumpf HH. **Hum Pathol** 1983 Dec;14(12):1039–43

Anatomic–ultrasound correlations for intraoperative open chest imaging of coronary artery atherosclerotic lesions in human beings. Sahn DJ, et al. **J Am Coll Cardiol** 1984 May;3(5):1169–77

Atherosclerotic subintimal hematoma of the carotid artery. Alonso K, et al. **J Med Assoc Ga** 1983 Oct;72(10):711–2

Intimal proliferation of cerebral arteries after subarachnoid blood injection in pigs. Takemae T, et al. **J Neurosurg** 1984 Sep;61(3):494–500

Atherosclerosis: what can we learn from studies on human tissues [editorial] Benditt EP, et al. **Lab Invest** 1984 Jan; 50(1):3–4

Atherosclerosis and lipid composition of the abdominal aorta. Comparison of autopsied New Orleans and Guatemalan men. Malcom GT, et al. **Lab Invest** 1984 Jan;50(1):79–86

Spatial dispersion of foam cells in the human thoracic aorta. Tracy RE, et al. **Lab Invest** 1983 Dec;49(6):693–701

A method for the study of the dynamics of atherosclerotic involvement of human coronary arteries. Velican C, et al. **Med Interne** 1984 Apr–Jun;22(2):155–60

Age and atherosclerosis—related changes occurring in the 'intercalated vascular segments' of human coronary arteries. Velican D, et al. **Med Interne** 1984 Apr–Jun; 22(2):107–11

A light microscopic study on coronary atherosclerosis in an unselected population sample of Bucharest aged 41–50 years. Velican D, et al. **Med Interne** 1983 Jul–Sep; 21(3):161–7

Electron microscopic findings of experimental atheromatous lesions in rats. Doi K, et al. **Nippon Juigaku Zasshi** 1983 Jun;45(3):339–46

Atherosclerosis regression in animal models: current concepts

of cellular and biochemical mechanisms. St Clair RW. **Prog Cardiovasc Dis** 1983 Sep–Oct;26(2):109–32 (151 ref.)

Cellular proliferation in atherosclerosis and hypertension. Schwartz SM, et al. **Prog Cardiovasc Dis** 1984 Mar–Apr; 26(5):355–72 (143 ref.)

Concurrent endothelial cell turnover and leukocyte margination in early atherosclerosis. Jerome WG, et al. **Scan Electron Microsc** 1983;(Pt 3):1453–9

Relationship between aortic endothelial cell morphology and atherosclerosis in rabbits. Kratky RG, et al. **Scan Electron Microsc** 1983;(Pt 3):1461–6

Foam cells in the development of human atheroma: a morphological and autoradiographic approach. Spagnoli LG, et al. **Wien Klin Wochenschr** 1984 May 25;96(11):412–8

[Ultrastructural observation on atherosclerosis of human aorta] Huang ZZ, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1983 Jun; 11(2):141–3 (Eng. Abstr.) **(Chi)**

[Study on morphological changes of the aortic endothelial cells in atherogenesis in rabbits] Liu BY. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1983 Jun; 11(2):131–3 (Eng. Abstr.) **(Chi)**

[Proliferation of smooth muscle cells, endothelium and heart muscle cells as well as its significance for cardiovascular diseases (in comparison to maturation and aging)] Lindner J, et al. **Med Welt** 1983 Dec 16;34(50):1426–31 **(Ger)**

[Malum bisiliacum senile] Giampalmo A, et al. **Pathologica** 1983 Mar–Apr;75(1036):165–7 (Eng. Abstr.) **(Ita)**

[Changes in conjunctival microcirculation in arteriosclerotic disease] Scandale G. **Ric Clin Lab** 1983;13 Suppl 3:499–502 (Eng. Abstr.) **(Ita)**

[Atherosclerosis in patients treated surgically for ischemia of the lower limbs] Majewski W, et al. **Patol Pol** 1983 Oct–Dec;34(4):379–90 (Eng. Abstr.) **(Pol)**

[Patho- and morphogenesis of atherosclerosis (clinico–experimental aspects)] Anestiadi VKh, et al. **Arkh Patol** 1984;46(3):10–8 (Eng. Abstr.) **(Rus)**

[Combined histochemical and histostereometric evaluation of the morphogenesis of human aortic atherosclerotic plaques] Avtandilov GG, et al. **Arkh Patol** 1983;45(7):64–6 (Eng. Abstr.) **(Rus)**

[Importance of the cell as a basis for the study of pathological processes (on the example of arteriosclerosis)] Gekht A. **Arkh Patol** 1984;46(1):36–44 (Eng. Abstr.) **(Rus)**

[Formation and accumulation of myelin bodies and other membrane structures in the arterial wall in man in atherosclerosis] Kondalenko VF. **Arkh Patol** 1984; 46(3):24–9 (Eng. Abstr.) **(Rus)**

[Morphogenesis of early pre–lipid stages of atherosclerosis] Vikhert AM, et al. **Arkh Patol** 1983;45(6):3–13 (Eng. Abstr.) **(Rus)**

[Pathogenesis of age–related changes in the development of experimental atherosclerosis] Gorev NN, et al. **Fiziol Zh** 1984 May–Jun;30(3):317–23 (Eng. Abstr.) **(Rus)**

[Heterogeneity of human aortic and arterial endothelium: quantitative study using scanning electron microscopy] Dolgov VV, et al. **Kardiologiia** 1983 Aug;23(8):92–5 (Eng. Abstr.) **(Rus)**

[Clinico–pathomorphological changes in the spinal cord in chronic occlusion of the abdominal aorta and its branches] Kotova IP. **Zh Nevropatol Psikhiatr** 1984;84(7):1024–7 (Eng. Abstr.) **(Rus)**

[Structural aspects of the kidney in experimental atheromatosis] Lasierra J, et al. **Rev Clin Esp** 1984 Apr 15;173(1):15–9 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Lack of decreased contractility in hearts from atherosclerotic rabbits. Blumlein S, et al. **Am Heart J** 1983 Dec; 106(6):1383–8

Blood velocity in the right coronary artery: relation to the distribution of atherosclerotic lesions. Sabbah HN, et al. **Am J Cardiol** 1984 Apr 1;53(8):1008–12

Fluid dynamics as a factor in the localization of atherogenesis. Nerem RM, et al. **Ann NY Acad Sci** 1983;416:709–19

Alteration in prostacyclin and prostaglandin E2 production. Correlation with changes in human aortic atherosclerotic disease. Rolland PH, et al. **Arteriosclerosis** 1984 Jan–Feb; 4(1):70–8

Compartmentalization of water in human atherosclerotic lesions. Changes in distribution and exclusion volumes for plasma macromolecules. Smith EB, et al. **Arteriosclerosis** 1984 Jan–Feb;4(1):21–7

Platelet survival, atherosclerotic intermittent claudication and ticlopidine. Hawker RJ, et al. **Atherosclerosis** 1984 Feb; 50(2):147–58

Hemodynamic modification of aortic atherosclerosis. Effects of propranolol vs hydralazine in hypertensive hyperlipidemic rabbits. Spence JD, et al. **Atherosclerosis** 1984 Mar;50(3):325–33

Effects of couple stresses on the blood flow through an artery with mild stenosis. Sinha P, et al. **Biorheology** 1984; 21(3):303–15

Pulse wave velocity and morphological changes associated with early atherosclerosis progression in the aortas of cynomolgus monkeys. Farrar DJ, et al. **Cardiovasc Res** 1984 Feb;18(2):107–18

Augmented responses to vasoconstrictor stimuli in hypercholesterolemic and atherosclerotic monkeys. Heistad DD, et al. **Circ Res** 1984 Jun;54(6):711–8

Arterial blood flow and resistance in the forearm of arteriosclerotic patients. Ley J, et al. **Cor Vasa** 1984; 26(2):125–31

Possible biological mechanisms that make low density lipoproteins a risk factor in atherogenesis. Henriksen T. **Eur Surg Res** 1984;16 Suppl 2:62–7

Atherosclerosis: a question of endothelial integrity and growth control of smooth muscle. Ross R. **Harvey Lect** 1981–82;77:161–82 (37 ref.)

Smooth muscle proliferation in hypertension. State–of–the–art lecture. Schwartz SM. **Hypertension** 1984 Mar–Apr;6(2 Pt 2):156–61

Porcine aortic organ culture: a model to study the cellular response to vascular injury. Gotlieb AI, et al. **In Vitro** 1984 Jul;20(7):535–42

An improved microindentation technique to measure changes in properties of arterial intima during atherogenesis. Gow BS, et al. **J Biomech** 1983;16(6):451–8

Effect of mild atherosclerosis on flow resistance in a coronary artery casting of man. Back LH, et al. **J Biomech Eng** 1984 Feb;106(1):48–53

Physicochemical and histological changes in the arterial wall of nonhuman primates during progression and regression of atherosclerosis. Small DM, et al. **J Clin Invest** 1984 Jun; 73(6):1590–605

Erectile failure in cynomolgus monkeys with atherosclerosis of the arteries supplying the penis. Adams MR, et al. **J Urol** 1984 Mar;131(3):571–3

Heparin–like molecules as regulators of atherogenesis. Rosenberg RD, et al. **Nouv Rev Fr Hematol** 1984; 26(4):255–60

Heparin and the atherosclerotic process. Engelberg H. **Pharmacol Rev** 1984 Jun;36(2):91–110 (412 ref.)

Transluminal angioplasty: a mechanical–pathophysiological correlation of its physical mechanisms. Kinney TB, et al. **Radiology** 1984 Oct;153(1):85–9

Transcapillary forces in patients with lower limb ischemia. Stranden E, et al. **Scand J Clin Lab Invest** 1983 May; 43(3):233–9

The natural history of atherosclerotic and fibrous renal artery disease. Schreiber MJ, et al. **Urol Clin North Am** 1984 Aug; 11(3):383–92

[Atherosclerosis: fundamental mechanisms] Jacotot B. **Pathol Biol (Paris)** 1983 Sep;31(7):607–12 (9 ref.) (Eng. Abstr.) **(Fre)**

[High–dose vascular antithrombophilic complex in circulatory pathology] Lingetti M, et al. **Clin Ter** 1983 Nov 30;107(4):257–62 (Eng. Abstr.) **(Ita)**

[Clinical evaluation of transcutaneous oxygen tension measurement for lower limb ischemia] Esato K, et al. **Nippon Geka Gakkai Zasshi** 1983 Jul;84(7):638–42 (Eng. Abstr.) **(Jpn)**

[Characteristics of the vascular reactions of rabbits to prolonged stimulations in experimental atherosclerosis] Kulagina VP, et al. **Biol Nauki** 1983;(8):37–42 (Eng. Abstr.) **(Rus)**

[Functional state of the left heart ventricle in young and old rabbits during the development of atherosclerosis following experimental renovascular hypertension] Cherkasskiĭ LP. **Fiziol Zh** 1984 Mar–Apr;30(2):167–73 (Eng. Abstr.) **(Rus)**

[Circulation in the extremities in occlusion of the major vessels] Sergeeva KA, et al. **Klin Med (Mosk)** 1984 Jun; 62(6):85–8 (Eng. Abstr.) **(Rus)**

[Function of the parathyroid glands in atherosclerosis] Zoloev GK, et al. **Klin Med (Mosk)** 1983 Oct;61(10):34–8 (Eng. Abstr.) **(Rus)**

[Vascular permeability of patients with nosebleed and a background of arteriosclerosis and hypertension and its relation to solar and geomagnetic disturbances] Zagaĭnov NS. **Vestn Otorinolaringol** 1984 Jul–Aug;(4):48–51 (Eng. Abstr.) **(Rus)**

[Clinico–functional characteristics of the large intestine in abdominal arteriosclerosis] Murashko VV, et al. **Vrach Delo** 1984 Jul;(7):13–6 (Eng. Abstr.) **(Rus)**

[Electrophysiologic analysis of subclinical disorders of muscle tonus in atherosclerosis and hypertension] Drobny M, et al. **Zh Nevropatol Psikhiatr** 1984;84(2):212–7 (Eng. Abstr.) **(Rus)**

[A new parameter for characterizing reactive hyperemia: the mean recovery time] Ley Pozo J, et al. **Angiologia** 1984 Sep–Oct;36(5):249–57 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Hormonal effects on prevention or regression of atheroma. Copeman HA, et al. **Adv Exp Med Biol** 1984;168:51–84

Macrophage activation in the prevention or regression of atherosclerosis. Gaton E, et al. **Adv Exp Med Biol** 1984; 168:15–36

Anti–atherosclerotic action of elastase—with special reference to its effect on elastic fibres. Katsunuma H, et al. **Age Ageing** 1983 Aug;12(3):183–94

Intervention for the prevention and control of hypertension and atherosclerotic diseases: United States and international experience. Stamler J, et al. **Am J Med** 1984 Feb 27; 76(2A):13–36 (137 ref.)

Effect of exercise and guanethidine on plasma cholesterol and aortic atherosclerosis of atherogenic–fed cockerels. Orimilikwe SO, et al. **Artery** 1983;12(1):60–73

Partial ileal bypass inhibits atherosclerosis in WHHL rabbits. Van Niekerk JL, et al. **Atherosclerosis** 1983 Sep; 48(3):243–52

Hyperalphalipoproteinaemic activity of BRL 26314—II. Inhibition of atherosclerosis in rabbits. Fears R, et al. **Biochem Pharmacol** 1984 Jan 15;33(2):219–28

Prevention of progression of coronary atherosclerosis by treatment of hyperlipidaemia: a seven year prospective angiographic study. Nikkilä EA, et al. **Br Med J [Clin Res]** 1984 Jul 28;289(6439):220–3

Effect of Emblica officinalis on cholesterol–induced atherosclerosis in rabbits. Thakur CP, et al. **Indian J Med Res** 1984 Jan;79:142–6

Arteriosclerosis remains a dilemma. Corday E, et al. **Int J Cardiol** 1983 Sep;4(2):216–20

Suppression of experimental atherosclerosis in rabbits by interferon–inducing agents. Kuo PT, et al. **J Am Coll Cardiol** 1984 Jan;3(1):129–34

Counterpoint: pediatric aspects of lipid–induced atherogenesis. Schubert WK. **J Am Coll Nutr** 1984; 3(2):147–8

Preventive effects of pollen typhae and Radix Salviae Miltiorrhizae in atherogenesis. Inhibition on proliferation of aortic smooth muscle cells in culture. Zhao J, et al. **J Tradit Chin Med** 1983 Sep;3(3):177–83

The campbell Soup Company program. Wear RF Jr. **Prev Med** 1983 Sep;12(5):667–71

[Experimental study on the inhibition of atherosclerosis by reserpine] Yang YZ. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1983 Dec; 11(4):298–300 **(Chi)**

[Effect of tea pigments on experimental atherosclerosis in rabbits and in treating patients with hyperfibrinogemia] Lou FQ. **Chung Hua I Hsueh Tsa Chih** 1983 Oct;63(10):632–4 **(Chi)**

[Effectiveness of different intervention measures in children and adolescents with hypertension and lipid metabolism disorders] Holtz H, et al. **Z Gesamte Inn Med** 1983 Dec 1;38(23):644–9 (Eng. Abstr.) **(Ger)**

[Nutrition—a factor in preventing arteriosclerosis, coronary disease and disorders of the blood coagulation system. I. An imbalance in food fats and carbohydrates and atherogenesis] Bazaz'ian GG. **Biol Nauki** 1984;(6):5–13 (64 ref.) (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

The Type A behavior pattern and carotid artery atherosclerosis. Stevens JH, et al. **Psychosom Med** 1984 Mar–Apr;46(2):105–13

RADIOGRAPHY

Asymptomatic carotid arterial disease in patients presenting with angiographically proven coronary artery disease. Andersen CA, et al. **Am Surg** 1984 Sep;50(9):473–5

Correlation of angiographic and surgical findings in distal coronary branches. Pidgeon J, et al. **Br Heart J** 1984 Feb; 51(2):125–9

Comparative evaluation of low osmolar contrast media in (femoral) arteriography. Wolf KJ, et al. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1983; 118:102–6

Digital subtraction arteriography (DSA) in re–evaluation of angioplasties. Campbell DR, et al. **J Can Assoc Radiol** 1983 Dec;34(4):258–60

The accuracy and limitations of intravenous digital subtraction angiography in the evaluation of atherosclerotic cerebrovascular disease: angiographic and surgical correlation. Earnest F, et al. **Mayo Clin Proc** 1983 Nov; 58(11):735–46

Accuracy of angiographic quantification of peripheral atherosclerosis. Thiele BL, et al. **Prog Cardiovasc Dis** 1983 Nov–Dec;26(3):223–36 (72 ref.)

A high frame–rate digital subtraction angiography imaging technique for evaluation of aortofemoral runoff. Lewis BD, et al. **Radiology** 1984 Jun;151(3):789–90

The rate of progression of carotid atherosclerosis [letter] Ross RT, et al. **Stroke** 1984 Jan–Feb;15(1):178–9

[Atherosclerosis of the carotid arteries: catheter angiography is not yet obsolete] van Gijn J. **Ned Tijdschr Geneeskd** 1984 Jan 28;128(4):171–2 **(Dut)**

[Comparison of intravenous angiography and conventional arteriography in the diagnosis of atheromatous lesions of supra–aortic trunks] Bonafe A, et al. **Ann Radiol (Paris)** 1983 Nov;26(7):602–5 (Eng. Abstr.) **(Fre)**

[Venous digital subtraction angiography in the diagnosis of arteriosclerotic diseases of the supra–aortic extracranial vessels] Arlart IP, et al. **Radiologe** 1984 Apr;24(4):164–70 (Eng. Abstr.) **(Ger)**

[Contrast medium reflux in the jugular vein in peripheral bolus injection] Rauber K. **Rontgenblatter** 1983 Oct; 36(10):332–5 (Eng. Abstr.) **(Ger)**

[Sclerosis of the superior mesenteric artery – a rarity?] Seemann WR, et al. **Vasa** 1983;12(4):395–6 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

[Radionuclide determination of the regional cerebral blood flow in patients with initial atherosclerotic dementia] Bozhko GT, et al. **Vrach Delo** 1983 Jul;(7):88–90 (Eng. Abstr.) **(Rus)**

SURGERY

Extraanatomic vascular reconstruction in patients with

aorto-iliac arteriosclerosis. Bergqvist D, et al. **Acta Chir Scand** 1984;150(3):205–9

Muscular compartment pressure following reconstructive arterial surgery of the lower limbs. Melberg PE, et al. **Acta Chir Scand** 1984;150(2):129–33

Dissolution of human atherosclerotic disease by fiberoptic laser-heated metal cautery cap. Lee G, et al. **Am Heart J** 1984 Apr;107(4):777–8

Acute and chronic complications of laser angioplasty: vascular wall damage and formation of aneurysms in the atherosclerotic rabbit. Lee G, et al. **Am J Cardiol** 1984 Jan 15;53(2):290–3

Considerations in extrathoracic reconstruction for disease of the branches of the aortic arch. Walker HS 3d, et al. **Am J Surg** 1984 Feb;147(2):299–301

Transcatheter laser dissolution of human atherosclerotic plaques: a model for testing catheters and techniques. Gessman L, et al. **Cathet Cardiovasc Diagn** 1984;10(1):47–54

Intraoperative use of dual fiberoptic catheter for simultaneous in vivo visualization and laser vaporization of peripheral atherosclerotic obstructive disease. Lee G, et al. **Cathet Cardiovasc Diagn** 1984;10(1):11–6

Young adults with coronary atherosclerosis: 10 year results of surgical myocardial revascularization. Lytle BW, et al. **J Am Coll Cardiol** 1984 Sep;4(3):445–53

The penetration of latamoxef disodium (moxalactam) into the subcutaneous fat and skeletal muscle of ischaemic lower limbs with atherosclerotic disease. Stewart J, et al. **J Antimicrob Chemother** 1984 Apr;13(4):377–82

Bypass procedures in the management of juxtarenal aortic occlusion. Agrifoglio G, et al. **J Cardiovasc Surg (Torino)** 1984 Jan–Feb;25(1):43–6

Atherosclerotic aneurysm of the subclavian artery. Lombardo R, et al. **J Cardiovasc Surg (Torino)** 1983 Nov–Dec;24(6):675–6

Atherosclerosis of the forearm and hand. Caffee HH, et al. **J Hand Surg [Am]** 1984 Mar;9(2):193–6

Edema in the lower limb following arterial reconstruction for atherosclerosis. A study of pathogenetic mechanisms. Stranden E. **J Oslo City Hosp** 1984 Jan–Feb;34(1–2):3–20

Reoperation in patients with patent atherosclerotic coronary vein grafts. A different approach to a different disease. Grondin CM, et al. **J Thorac Cardiovasc Surg** 1984 Mar; 87(3):379–85

'Poof' goes the plaque with experimental laser angioplasty [news] Gunby P. **JAMA** 1983 Dec 16;250(23):3135–7, 3141

Operative arteriography: an indicator for infrainguinal bypass. Esato K, et al. **Jpn J Surg** 1983 Nov;13(6):502–5

Far-ultraviolet laser ablation of atherosclerotic lesions. Linsker R, et al. **Lasers Surg Med** 1984;4(2):201–6

Septal artery revascularization. Orszulak TA, et al. **Mayo Clin Proc** 1983 Nov;58(11):747–50

The use of a straight tube graft decreases blood loss and operation time in patients with an abdominal aortic aneurysm. Snellen JP, et al. **Neth J Surg** 1984 Apr; 36(2):45–7

Measurement of skin perfusion pressure by photoelectric technique—an aid to amputation level selection in arteriosclerotic disease. Ovesen J, et al. **Prosthet Orthot Int** 1984 Apr;8(1):39–42

Transcapillary forces in subcutaneous tissue of patients following operation for lower limb atherosclerosis. Stranden E. **Scand J Clin Lab Invest** 1983 Sep;43(5):381–8

Arteriosclerosis in popliteal artery trifurcation as a predictor for myocardial infarction after arterial reconstructive operation. Källerö KS, et al. **Surg Gynecol Obstet** 1984 Aug;159(2):133–8

Anastomosis of the superior thyroid artery to the vertebral artery for vertebrobasilar insufficiency. Kojima T, et al. **Surg Neurol** 1983 Dec;20(6):481–6

Revascularization to preserve renal function in patients with atherosclerotic renovascular disease. Novick AC, et al. **Urol Clin North Am** 1984 Aug;11(3):477–90 (29 ref.)

Diminished operative risk and improved results following revascularization for atherosclerotic renovascular disease. Novick AC, et al. **Urol Clin North Am** 1984 Aug; 11(3):435–49 (38 ref.)

Transcapillary fluid filtration in patients with leg edema following arterial reconstruction for lower limb atherosclerosis. Stranden E. **Vasa** 1983;12(3):219–24

Selection of a treatment plan in chronic atheromatous limb ischemia. Courbier R, et al. **World J Surg** 1983 Jul; 7(4):536–43

[Surgical treatment of atherosclerotic arteriopathies of aortoiliac location] Langeron P, et al. **Acta Belg Med Phys** 1983 Jul–Sep;6(3):101–5 (Fre)

[Treatment of coronary and arterial stenosis. Experimental study of laser treatment (letter)] Geschwind H, et al. **Presse Med** 1984 Mar 24;13(12):741–2 (Fre)

[Therapeutic indications in internal carotid pathology] Barroy JP. **Rev Med Brux** 1984 Feb;5(2):67–70 (Eng. Abstr.) (Fre)

[Intraoperative sonography following endarterectomy of the carotid artery] Klotter HJ, et al. **Chirurg** 1984 May; 55(5):339–42 (Eng. Abstr.) (Ger)

[The PTFE-Y bifurcation prosthesis: early results] Polteraner P, et al. **Chirurg** 1984 Feb;55(2):106–10 (Eng. Abstr.) (Ger)

[Surgery of the vertebral arteries] Agrifoglio G. **Minerva Cardioangiol** 1984 Jan–Feb;32(1–2):1–4 (Ita)

[Operative treatment of carotid atherosclerosis] Grimsgaard C, et al. **Tidsskr Nor Laegeforen** 1984 Feb 10;104(4):215–7 (Eng. Abstr.) (Nor)

[Protection of the brain from ischemia during reconstruction in occlusive lesions of the aortic arch branches] Kniazev MD, et al. **Khirurgiia (Mosk)** 1983 Dec;(12):29–33 (Rus)

[Modification of cross extraperitoneal shunt in occlusive lesions in the aortofemoral zone] Troshin AZ, et al. **Khirurgiia (Mosk)** 1983 Dec;(12):104–6 (Rus)

[Nonspecific results of reconstructive surgery on the arteries of the lower extremities] Gambarin BL, et al. **Klin Khir** 1984 Jul;(7):11–3 (Eng. Abstr.) (Rus)

[Aorto-deep femoral reconstruction in patients with severe ischemia of the lower extremities] Kobza II. **Klin Khir** 1984 Jul;(7):49–51 (Eng. Abstr.) (Rus)

[Results of reconstructive surgery in atherosclerotic occlusions of the arteries of the femoro-popliteal segment] Nikonenko AS, et al. **Klin Khir** 1984 Jul;(7):76–7 (Rus)

[Surgical treatment of combined lesions of the proximal aortic arch using extrathoracic methods] Pokrovskiĭ AV, et al. **Vestn Khir** 1984 Jul;132(7):3–10 (Eng. Abstr.) (Rus)

[Surgical treatment of atherosclerotic occlusion of the femoral, popliteal and tibial arteries] Sukharev II, et al. **Vestn Khir** 1983 Oct;131(10):47–52 (Eng. Abstr.) (Rus)

[Reconstructive surgery of arteries of the lower extremities in aged patients] Zernovický F. **Bratisl Lek Listy** 1983 Sep; 80(3):335–8 (Eng. Abstr.) (Slo)

THERAPY

Regression of swine atherosclerosis: susceptibilities of various lesion features. Daoud AS, et al. **Adv Exp Med Biol** 1984; 168:115–37

Regression of coronary atherosclerosis in man. Myant NB. **Adv Exp Med Biol** 1984;168:139–52 (22 ref.)

Effect of antiplatelet therapy on restenosis after experimental angioplasty. Faxon DP, et al. **Am J Cardiol** 1984 Jun 15; 53(12):72C–76C

Platelets, carotids, and coronaries. Critique on antithrombotic role of antiplatelet agents, exercise, and certain diets. Eichner ER. **Am J Med** 1984 Sep;77(3):513–23 (100 ref.)

Current and potential uses of lasers in the treatment of atherosclerotic disease. Lee G, et al. **Chest** 1984 Mar; 85(3):429–34 (32 ref.)

The mechanism of transluminal angioplasty: evidence for formation of aneurysms in experimental atherosclerosis. Sanborn TA, et al. **Circulation** 1983 Nov;68(5):1136–40

Transluminal carbon dioxide-laser catheter angioplasty for dissolution of atherosclerotic plaques. Eldar M, et al. **J Am Coll Cardiol** 1984 Jan;3(1):135–7

Diagnostic and therapeutic technology assessment. Chelation therapy. **JAMA** 1983 Aug 5;250(5):672

Percutaneous transluminal angioplasty following endarterectomy. Tisnado J, et al. **Radiology** 1984 Aug; 152(2):361–4

Percutaneous transluminal angioplasty of the aorta. Light and electron microscopic observations in normal and atherosclerotic rabbits. Zollikofer CL, et al. **Radiology** 1984 May;151(2):355–63

[Non-operative treatment of infrarenal aortic stenoses by catheter dilation] Ingrisch H, et al. **Rontgenpraxis** 1983 Nov;36(11):363–7 (Ger)

[Therapy of peripheral arterial occlusive diseases. Round table conference] Bollinger A, et al. **Schweiz Med Wochenschr** 1983 Dec 10;113(49):1834–6 (Ger)

[Behavior of atheromatous vessel segments during pressure application of 5 kg/cm2 for various periods of time] Walter S, et al. **Z Kardiol** 1984 Jun;73(6):388–92 (Eng. Abstr.) (Ger)

[Catheter angioplasty in patients with arterial occlusive diseases of the lower limbs] Prokubovskiĭ VI, et al. **Khirurgiia (Mosk)** 1983 Dec;(12):43–7 (Eng. Abstr.) (Rus)

[Endovascular balloon dilatation in the treatment of atherosclerotic lesions of the iliac artery] Belichenko IA, et al. **Vestn Khir** 1984 May;132(5):48–50 (Eng. Abstr.) (Rus)

[Effect of climato-geographic conditions and balneologic factors of the Issyk-Kul' health resort region on experimental atherosclerosis] Iakovlev VM. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 Sep–Oct;(5):8–11 (Eng. Abstr.) (Rus)

[The reversibility of human atherosclerosis: fiction or fact? (editorial)] Navarro López F. **Med Clin (Barc)** 1983 Oct 8;81(10):431–3 (Spa)

VETERINARY

Coronary arterial disease and atheromatosis in breeding sows. Kądziołka A, et al. **Acta Physiol Pol** 1983 Jan–Feb; 34(1):29–40

Aortic atherosclerosis in nonlaying hens with fatty liver syndrome. Simpson CF, et al. **Avian Dis** 1983 Jul–Sep; 27(3):652–9

What is your diagnosis? Mineralization of the arteries in a dog. Sesline D, et al. **J Am Vet Med Assoc** 1984 Jan 15; 184(2):209–10

Effect of exercise on aortic atherosclerosis and other cardiovascular variables among hyper- and hypotensive turkeys. Bolden SL, et al. **Poult Sci** 1983 Jul;62(7):1287–93

ARTERIOSCLEROSIS, CORONARY see **CORONARY DISEASE**

ARTERIOSCLEROSIS OBLITERANS

BLOOD

Factor VIII and antithrombin III in atherosclerosis obliterans of the lower limbs. Avellone G, et al. **Adv Exp Med Biol** 1984;164:65–80

Thromboxane B2, 6-keto-PGF1 alpha, PGE2, PGF2 alpha, and PGA1 plasma levels in arteriosclerosis obliterans: relationship to clinical manifestations, risk factors, and arterial pathoanatomy. Jouve R, et al. **Am Heart J** 1984 Jan;107(1):45–52

Plasma lipid and apolipoprotein profiles of women with two types of peripheral arterial disease. McConathy WJ, et al. **Atherosclerosis** 1984 Mar;50(3):295–306

[Clinical significance of arteriosclerosis indices of lipid metabolism and age dependence] Reuter W, et al. **ZFA** 1983 Sep–Oct;38(5):361–7 (Eng. Abstr.) (Ger)

[Behavior and meaning of beta-thromboglobulin in chronic obliterative arteriopathy of the lower extremities. Preliminary study] Binaghi F, et al. **Boll Soc Ital Cardiol** 1982 Nov;27(11):1043–9 (Eng. Abstr.) (Ita)

[Behavior of various blood coagulation and hemorrheological parameters in arteriosclerotic vascular disease of the lower legs] Avellone G, et al. **Ric Clin Lab** 1983;13 Suppl 3:297–301 (Eng. Abstr.) (Ita)

[HDL fractions in men with coronary disease and arteriosclerosis obliterans of the lower limbs with normal plasma lipid levels] Sznajderman M, et al. **Kardiol Pol** 1983; 26(8–9):623–8 (Eng. Abstr.) (Pol)

[Lipoproteins in arteriosclerosis obliterans of the lower limbs] Sznajderman M, et al. **Pol Arch Med Wewn** 1983 Sep; 70(3):125–30 (Eng. Abstr.) (Pol)

[State of the kallikrein-kinin system of the blood and lipid metabolism in patients with obliterating atherosclerosis associated with diabetes mellitus] Pokrasen NM, et al. **Klin Khir** 1983 Jul;(7):72–3 (Rus)

[Lipid metabolism indices of patients with arteriosclerosis obliterans of the lower extremities] Satmari VV, et al. **Vrach Delo** 1984 Feb;(2):70–1 (Eng. Abstr.) (Rus)

COMPLICATIONS

Arteriovenous shunts associated with peripheral obliterative arterial disease. Haemodynamic, arteriographic and isotope studies. Solti F, et al. **J Cardiovasc Surg (Torino)** 1983 Sep–Oct;24(5):493–6

[Sexual impotence of vascular etiology in arterial obstructive disease of the legs] Setacci C, et al. **Boll Soc Ital Biol Sper** 1983 Nov 30;59(11):1603–8 (Eng. Abstr.) (Ita)

DIAGNOSIS

Indications for functional examination in patients with peripheral arteriopathy. Verhagen PF, et al. **Neth J Surg** 1984 Apr;36(2):33–7

[Segmentary rheovasography in the diagnosis of obliterating atherosclerosis] Bondarenko NM, et al. **Khirurgiia (Mosk)** 1984 May;(5):66–8 (Eng. Abstr.) (Rus)

[Clinico-angiographic parallels in patients with occlusions of the arteries of the lower extremities] Sidarenko LN, et al. **Khirurgiia (Mosk)** 1984 May;(5):68–73 (Eng. Abstr.) (Rus)

[Feasibility of polarography in evaluating peripheral circulation in obliterating diseases of the arteries of the extremities] Lokhvitskiĭ SV, et al. **Klin Khir** 1983 Jul; (7):18–21 (Eng. Abstr.) (Rus)

[Early diagnosis of diseases of the vessels of the lower extremities by the thermographic technic] Zenovko GI. **Vestn Khir** 1983 Aug;131(8):40–4 (Eng. Abstr.) (Rus)

DRUG THERAPY

Prostacyclin in the treatment of atherosclerosis obliterans and other vascular diseases. Gryglewski RJ, et al. **Adv Exp Med Biol** 1984;164:211–3

Fibrinolytic activity and the effects of beta-pyridylcarbinol (Ronicol) in patients with arteriosclerosis obliterans. Grodzińska L, et al. **Thromb Haemost** 1983 Dec 30; 50(4):797–9

[Significance of prostaglandins in arterial thrombosis pathology: survey of an ongoing experience] Duvivier A, et al. **Rev Med Liege** 1984 May 1;39(9):354–61 (Fre)

[Use of buflomedil in the treatment of obliterative arteriopathies of the lower extremities. Clinical and functional study] Cospite M, et al. **Clin Ter** 1984 Apr 30; 109(2):127–35 (Eng. Abstr.) (Ita)

[Clinical evaluation of the effects of pentoxifylline in patients with chronic peripheral circulatory disorders] Strano A, et al. **Ric Clin Lab** 1981;11 Suppl 1:303–11 (Ita)

[Effect of prostacyclin (PGI2) on retinal arteries] Zygulska-Machowa H, et al. **Klin Oczna** 1984 Apr; 86(4):149–51 (Eng. Abstr.) (Pol)

[Diprophyllinum prolongatum (Polfa, Cracow) in the treatment of arteriosclerosis obliterans of the lower limbs] Kostka-Trąbka E, et al. **Przegl Lek** 1983;40(7):563–6 (Eng. Abstr.) (Pol)

[Effect of probucol on lipid metabolism and the clinical course of ischemic heart disease and arteriosclerosis obliterans of the vessels of the lower extremities] Dudaev VA, et al. **Kardiologiia** 1984 Jun;24(6):76–9 (Eng. Abstr.) (Rus)

[Erosion of the femoral artery after intra-arterial infusions of drugs in arteriosclerosis obliterans] Ivanenko AA, et al. **Vestn Khir** 1984 Mar;132(3):133–4 **(Rus)**

ETIOLOGY

[Spontaneous thrombocyte aggregation in patients with ischemic cardiopathy. Effect of anti-aggregant treatment on thrombocyte function and other coagulation factors] Niță I, et al. **Med Interne** 1984 Apr–Jun;22(2):113–22 **(Fre)**

[Role of lysosomal enzymes in the pathogenesis of peripheral arterial diseases] Knapik-Kordecka M. **Pol Arch Med Wewn** 1983 Jun;69(6):401–6 (36 ref.) **(Pol)**

IMMUNOLOGY

[Immune response against lipoproteins in arteriosclerosis] Szondy E, et al. **Orv Hetil** 1983 Dec 25;124(52):3163–6 (Eng. Abstr.) **(Hun)**

OCCURRENCE

[Arteriosclerosis obliterans of the lower limbs. Epidemiological study of the risk factors] Pini M, et al. **Acta Biomed Ateneo Parmense** 1983;54(3):255–61 (Eng. Abstr.) **(Ita)**

PATHOLOGY

[Clinico-morphologic cutaneous and capilloroscopic correlations in patients with chronic arteriosclerosis obliterans of the lower extremities] Petruzzellis V, et al. **G Ital Dermatol Venereol** 1982 Mar–Apr;117(2):83–7 (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

Dynamic recording of vasoconstrictor response to increased vascular transmural pressure. A study in patients with lower limb atherosclerosis. Stranden E. **Acta Chir Scand** 1984;150(1):25–30

[The blood flow in the peripheral arterial occlusive disease—investigation by 133Xe clearance method] Ueda K. **Nippon Geka Gakkai Zasshi** 1983 Feb;84(2):151–60 (Eng. Abstr.) **(Jpn)**

[Microcirculatory status of patients with obliterating atherosclerosis of the arteries of the lower extremities] Rzaev NM, et al. **Khirurgiia (Mosk)** 1984 May;(5):57–60 (Eng. Abstr.) **(Rus)**

[Characteristics of microcirculation in patients with diabetic angiopathies] Tsiukhno ZI, et al. **Probl Endokrinol (Mosk)** 1983 Sep–Oct;29(5):12–5 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

[Early diagnosis of obliterating diseases of the extremities] Mazurik MF, et al. **Sov Med** 1983;(11):105–7 **(Rus)**

RADIOGRAPHY

[Local occlusion of Gruber's canal in arteriosclerotic lesions of the blood vessels of the lower limbs] Komarov IA, et al. **Sov Med** 1983;(8):72–5 **(Rus)**

RADIONUCLIDE IMAGING

Peripheral arterial disease diagnosed with high-count-rate radionuclide arteriography. Oshima M, et al. **Radiology** 1984 Jul;152(1):161–6

SURGERY

[Extra-anatomical bypass as a part of the treatment of arteriosclerosis obliterans of the lower limbs] Jelnes R, et al. **Ugeskr Laeger** 1984 Feb 20;146(8):580–2 (Eng. Abstr.) **(Dan)**

[Aneurysms of vascular anastomoses. Methods of surgical treatment] Fluture V, et al. **Rev Chir [Chir]** 1983 Nov–Dec; 32(6):421–7 (Eng. Abstr.) **(Rum)**

[Surgical treatment of arteriosclerosis obliterans of the aorta and iliac arteries] Bondarenko NM, et al. **Klin Khir** 1984 Jun;(6):66–7 **(Rus)**

[Biochemical conformity of vascular transplants to the arteries in the zone of reconstruction] Karvanen ES. **Klin Khir** 1984 Jul;(7):19–22 (Eng. Abstr.) **(Rus)**

[Reconstructive surgery in obliterating atherosclerosis of the abdominal aorta and iliac arteries] Satmari VV, et al. **Klin Khir** 1984 Jul;(7):51–2 (Eng. Abstr.) **(Rus)**

[Surgical treatment of combined occlusions of the aortoiliac and femoropopliteal segments] Kariakin AM, et al. **Vestn Khir** 1984 Jul;132(7):16–20 (Eng. Abstr.) **(Rus)**

[Hemodynamics of the lower extremities following lumbar sympathectomy] Khresat M, et al. **Vestn Khir** 1984 Apr; 132(4):57–61 (Eng. Abstr.) **(Rus)**

[Evaluation of temporary disability after reconstructive surgery of the blood vessels of the lower extremities for arteriosclerosis obliterans] Skliarenko RT. **Vestn Khir** 1983 Jul;131(7):139–41 **(Rus)**

[Arteriosclerotic obliterative arteriopathies of the lower limbs in young adults. Review of case histories and long-term control for 3 years] Picetti C, et al. **Angiologia** 1984 Sep–Oct;36(5):244–8 (Eng. Abstr.) **(Spa)**

THERAPY

[Safer use of the Grüntzing balloon catheter with automatic pressure control] Horváth L, et al. **Orv Hetil** 1984 Apr 29;125(18):1069–71 (Eng. Abstr.) **(Hun)**

[Hemosorption in the treatment of patients with thrombo-obliterating diseases of the arteries of the lower extremities] Sidarenko LN, et al. **Klin Khir** 1984 Jul;(7):63–5 (Eng. Abstr.) **(Rus)**

[Regional oxygenation in the treatment of severe destructive forms of occlusive arterial diseases of the limbs] Lebedev LV, et al. **Vestn Khir** 1984 Mar;132(3):85–8 (Eng. Abstr.) **(Rus)**

[Indications for endovascular dilatation in arterial occlusive diseases of the limbs] Savel'ev VS, et al. **Vestn Khir** 1984 May;132(5):43–8 (Eng. Abstr.) **(Rus)**

[Lumbar sympathectomy in patients with arteriosclerosis obliterans of the lower extremities] Lisitsyn KM, et al. **Voen Med Zh** 1984 Apr;(4):23–5 **(Rus)**

ARTERIOVENOUS ANASTOMOSIS

ANATOMY & HISTOLOGY

Arteriovenous anastomoses at the carotid bodies of rats. Habeck JO, et al. **Anat Anz** 1984;156(3):209–15

Density of arteriovenous anastomoses in some skin areas of the domestic fowl (Gallus domesticus). Midtgård U. **Anat Rec** 1984 Aug;209(4):455–9

Scanning electron microscopy of arteriovenous anastomosis in nasal respiratory mucosa. Nagai M, et al. **Arch Otorhinolaryngol** 1983;238(2):115–22

DRUG EFFECTS

Early derangements of arteriovenous anastomotic and capillary blood flow in the canine hindlimb induced by supplemental pentobarbital anesthesia. Kazmers A, et al. **J Surg Res** 1984 Feb;36(2):102–7

PATHOLOGY

Morphology of gastric microcirculation in cirrhosis. Hashizume M, et al. **Hepatology** 1983 Nov–Dec; 3(6):1008–12

[Acquired retinochoroidal vascular anastomoses] Moráň M. **Cesk Oftalmol** 1984 Jan;40(1):50–6 (Eng. Abstr.) **(Cze)**

PHYSIOLOGY

Interaction of hindlimb blood flow, A-V shunting and A-V oxygen difference. Cronenwett JL, et al. **J Surg Res** 1984 Mar;36(3):223–9

Interpretation of circulatory shunt-dilution curves as bimodal distribution functions. Marinus JL, et al. **Med Biol Eng Comput** 1984 Jul;22(4):326–32

[Capillary and shunted blood flow in tissues of the hindlimb in the cat] Dzhurko BI. **Fiziol Zh SSSR** 1984 Mar; 70(3):351–4 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Acute increase in anastomotic bronchial blood flow after pulmonary arterial obstruction. Jindal SK, et al. **J Appl Physiol** 1984 Aug;57(2):424–8

RADIONUCLIDE IMAGING

[Quantification of arteriovenous shunts of the lower extremities] Kauffman P, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1983 Sep–Oct; 38(5):195–9 (Eng. Abstr.) **(Por)**

ARTERIOVENOUS ANEURYSM, CONGENITAL see **ARTERIOVENOUS MALFORMATIONS**

ARTERIOVENOUS ANEURYSM, CONGENITAL, CEREBRAL see **CEREBRAL ARTERIOVENOUS MALFORMATIONS**

ARTERIOVENOUS FISTULA

see related
ARTERIOVENOUS MALFORMATIONS

COMPLICATIONS

Combined hypertrophic cardiomyopathy with coronary arteriovenous fistula. Glancy DL, et al. **Am J Cardiol** 1984 Sep 1;54(6):682–3

Ophthalmoplegia in carotid cavernous sinus fistula. Leonard TJ, et al. **Br J Ophthalmol** 1984 Feb;68(2):128–34

Aortocaval fistula with aortic aneurysm [letter] **Br J Surg** 1983 Dec;70(12):745–6

Aortocaval fistula [letter] Goodman C, et al. **Br J Surg** 1984 Jan;71(1):81

Inferior mesenteric arteriovenous fistula associated with portal hypertension and acute ischemic colitis. Successful occlusion by intraarterial embolization with steel coils. Capron JP, et al. **Gastroenterology** 1984 Feb;86(2):351–5

Proptosis due to arteriovenous malformations and fistulae. Boparai MS, et al. **Indian J Ophthalmol** 1983 Jul; 31(4):321–2

The aetiology of cardiac arrest in patients undergoing surgical closure of an acute aorto-caval fistula. Ackroyd JS, et al. **J Cardiovasc Surg (Torino)** 1983 Nov–Dec; 24(6):667–8

Giant aneurysm arising from a single arteriovenous fistula in a child. Case report. Carrillo R, et al. **J Neurosurg** 1984 May;60(5):1085–8

Traumatic hepatic arteriovenous fistula causing portal hypertension and variceal bleeding. Missavage AE, et al. **J Trauma** 1984 Apr;24(4):355–8

Asymptomatic vena caval fistulization complicating abdominal aortic aneurysm. Weinbaum FI, et al. **Surgery** 1984 Jul;96(1):126–8

Renal arteriovenous fistula associated with fibromuscular dysplasia. Imray TJ, et al. **Urology** 1984 Apr;23(4):378–80

[Pulsating exophthalmos associated with a post-traumatic carotid-cavernous fistula in a child] Polomisová L, et al. **Cesk Oftalmol** 1983 Sep;39(5):327–31 (Eng. Abstr.) **(Cze)**

[Portal hypertension caused by an arteriovenous fistula between the splenic artery and splenic vein] Böning L, et al. **MMW** 1984 Feb 17;126(7):175–7 (Eng. Abstr.) **(Ger)**

[Mediastinal pseudotumor, caused by a carotid-jugular fistula] Schwarz E. **Rontgenblatter** 1983 Dec;36(12):418–22 (Eng. Abstr.) **(Ger)**

[The leopard syndrome, a cardio-cutaneous syndrome] Jurecka W, et al. **Wien Klin Wochenschr** 1983 Sep 30; 95(18):652–6 (Eng. Abstr.) **(Ger)**

[Arterial-portal shunt in cavernous hemangioma of the liver] Morita Y, et al. **Rinsho Hoshasen** 1983 Nov;28(12):1507–10 (Eng. Abstr.) **(Jpn)**

[Differential diagnostic criteria of subarachnoid hemorrhage in arterial and arteriovenous aneurysms] Burlutskil AP, et al. **Zh Nevropatol Psikhiatr** 1983;83(9):1292–5 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Noninvasive detection of intracranial vascular lesions using an electronic stethoscope. Sekhar LN, et al. **J Neurosurg** 1984 Mar;60(3):553–9

Venous distension in the diabetic neuropathic foot (physical sign of arteriovenous shunting). Ward JD, et al. **J R Soc Med** 1983 Dec;76(12):1011–4

Spontaneous fistula between a right common iliac artery aneurysm and iliac vein. Richards DD 3d. **JAMA** 1984 Mar 2;251(9):1189–90

Ultrasonic demonstration of arteriovenous fistulas. Tafreshi M, et al. **JCU** 1984 Jun;12(5):299–300

Traumatic ophthalmic fistula [letter] Kate SS, et al. **Neurosurgery** 1984 Mar;14(3):382–3

Long-term observations in cases with spontaneous carotid-cavernous fistulas. Nukui H, et al. **Surg Neurol** 1984 Jun;21(6):543–52

[Aortoduodenal fistula] Elberg JJ, et al. **Ugeskr Laeger** 1983 Jul 25;145(30):2310–1 (Eng. Abstr.) **(Dan)**

[Pulmonary arteriovenous fistulas: apropos of a case] Bar JP, et al. **Rev Med Brux** 1984 Jan;5(1):27–30 (Eng. Abstr.) **(Fre)**

[Arterio-cavernous fistula with an atypical course] Augustyniak E, et al. **Klin Oczna** 1984 Apr;86(4):169–71 (Eng. Abstr.) **(Pol)**

[Pulmonary arteriovenous fistulas. Diagnosis using contrast echocardiography and advantages of the real-time bidimensional technic] Laynez Cerdeña I, et al. **Rev Esp Cardiol** 1983;36(5):443–6 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Fistula between abdominal aortic aneurysm and left renal vein. Harjula A, et al. **Acta Chir Scand** 1983;149(5):541–4

Traumatic pulmonary arteriovenous fistula due to shotgun wound to the chest. Baik S. **Am J Forensic Med Pathol** 1984 Jun;5(2):161–4

Massive arterioportal fistula in hepatocellular carcinoma. Hertzanu Y, et al. **Am J Gastroenterol** 1984 May; 79(5):403–5

Vertebrovertebral arteriovenous fistula. A complication of internal jugular catheterisation. Robinson PN, et al. **Anaesthesia** 1984 Jan;39(1):46–7

Carotid-cavernous fistula following nasopharyngeal biopsy. Feuerman TF, et al. **Arch Otolaryngol** 1984 Jun; 110(6):412–4

Arteriovenous fistula following renal transplant biopsy. Cooper PH, et al. **Br J Radiol** 1984 Feb;57(674):181–3

Acquired arteriovenous communication: complication of cannulation of internal jugular vein. Hayward R, et al. **Br Med J [Clin Res]** 1984 Apr 21;288(6425):1195–6

Systemic-pulmonary arteriovenous fistula of traumatic origin: a case report. Hirsch M, et al. **Cardiovasc Intervent Radiol** 1983;6(3):160–3

Traumatic arteriovenous malformation of the external carotid arterial system. Marks MW, et al. **Head Neck Surg** 1984 Jul–Aug;6(6):1054–8

Post-traumatic intrahepatic arteriovenous fistula. Van Haeften FF, et al. **Injury** 1984 Mar;15(5):311–5

Arteriovenous fistulas following central venous catheterization. Hansbrough JF, et al. **Intensive Care Med** 1983;9(5):287–9

Spontaneous iliac artery-inferior vena caval fistula: rare complication of ruptured abdominal aneurysm. Meyer PJ, et al. **J Am Osteopath Assoc** 1983 Sep;83(1):52–5

Traumatic arteriovenous fistula of the thumb after blunt trauma: a case report. May JW Jr, et al. **J Hand Surg [Am]** 1984 Mar;9(2):253–55

Traumatic middle meningeal arteriovenous fistula caused by

three-point skull fixation. Case report. Inagawa T, et al. **J Neurosurg** 1984 Apr;60(4):853–5
Cortical arteriovenous fistula associated with skull fracture. Case report. LaHaye PA, et al. **J Neurosurg** 1984 Jan; 60(1):192–5
Venous malformation of the neck secondary to a plunging ranula of the mouth. Bass R, et al. **J Otolaryngol** 1983 Dec; 12(6):405–7
Acute arteriovenous fistula complicating left iliac artery aneurysm. Harvey CF, et al. **J R Coll Surg Edinb** 1984 Mar;29(2):119–21
Popliteal arteriovenous fistula following meniscectomy. Crowley JG, et al. **J Trauma** 1984 Feb;24(2):164–5
Hematuria as a presenting symptom of an aortic–vena caval fistula from ruptured aortic aneurysm. van Driel M, et al. **J Urol** 1984 Oct;132(4):774–5
Arterio–venous fistula formation after hand replantation. Matsubara J, et al. **Jpn J Surg** 1983 May;13(3):207–10
Extrarenal arteriovenous fistula. An unusual complication of percutaneous renal transplant biopsy. Salahudeen AK, et al. **Nephron** 1984;37(1):64–5
Intrarenal arteriovenous fistula following percutaneous renal biopsy. Ossenkoppele GJ. **Neth J Med** 1984;27(1):6–9
Spontaneous vertebro–vertebral arterio–venous fistula associated with fibro–muscular dysplasia. Report of two cases. Bahar S, et al. **Neuroradiology** 1984;26(1):45–9
Hepatic arterioportal fistula following cholecystectomy. Sudo T, et al. **Nippon Geka Hokan** 1983 May 1;52(3):391–8
Arterioportal fistula secondary to percutaneous transhepatic cholangiography. Weiner SN. **NY State J Med** 1984 Feb; 84(2):86–7
A rare case of extraperitoneal and intracaval rupture of an aortic abdominal aneurysm. Sciannameo F, et al. **Panminerva Med** 1984 Jan–Mar;26(1):41–3
Iatrogenic intrahepatic arterial–portal fistula. Bedell JE, et al. **Radiology** 1984 Apr;151(1):79–80
Posttraumatic vertebral artery aneurysm and arteriovenous fistula: a case report. Roper PR, et al. **Surgery** 1984 Sep; 96(3):556–9
Rupture of an aneurysm of the sinus of Valsalva into the superior vena cava. Kaye GC, et al. **Thorax** 1984 Jun; 39(6):475–6
Traumatic arteriovenous fistula—a case report. Tovar JA, et al. **Z Kinderchir** 1984 Jun;39(3):211–2
[Traumatic arteriovenous fistula of superficial temporal vessels—a case report] Lee FP, et al. **Taiwan I Hsueh Hui Tsa Chih** 1984 Apr;83(4):399–403 (Eng. Abstr.) **(Chi)**
[Traumatic arterio–venous fistula of the face] Kjeldsen H, et al. **Ugeskr Laeger** 1984 Apr 9;146(15):1132–4 (Eng. Abstr.) **(Dan)**
[Aorto–caval fistula secondary to rupture of an abdominal aortic aneurysm] Krasnik M, et al. **Ugeskr Laeger** 1984 Apr 2;146(14):1053–4 (Eng. Abstr.) **(Dan)**
[2 cases of aortocaval fistula] Vilarem D, et al. **Ann Cardiol Angeiol (Paris)** 1984 Feb–Mar;33(2):109–12 (Eng. Abstr.) **(Fre)**
[Arteriovenous fistula of splenic vessels after splenectomy] Lacombe M, et al. **J Chir (Paris)** 1984 Mar;121(3):159–62 (Eng. Abstr.) **(Fre)**
[Arterial aneurysm of the liver with arterio–portal fistula: treatment using embolization] Baumann UA, et al. **Schweiz Med Wochenschr** 1984 Mar 31;114(13):451–3 (Eng. Abstr.) **(Ger)**
[Spontaneous arteriovenous shunts in chronic arterial occlusive disease of the lower extremities] Stein U, et al. **Vasa** 1984;13(2):133–7 (Eng. Abstr.) **(Ger)**
[Peripheral arteriovenous aneurysms caused by gunshot wounds. Considerations on 2 treated cases] Pane G, et al. **Minerva Cardioangiol** 1984 Mar;32(3):119–24 (Eng. Abstr.) **(Ita)**
[Tomodensitometric findings in 2 cases of carotid–cavernous fistula] Pandolfo I, et al. **Radiol Med (Torino)** 1983 May; 69(5):330–2 **(Ita)**
[A case of arteriovenous fistulae secondary to renal cell carcinoma accompanied by congestive heart failure] Nakada G, et al. **Hinyokika Kiyo** 1983 Aug;29(8):901–5 (Eng. Abstr.) **(Jpn)**
[Arteriovenous fistula caused by cavernous hemangioma of the spleen] Shigematsu H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Nov;80(11):2433–7 **(Jpn)**
[A case of post–traumatic carotid–cavernous fistula in a 9–year–old girl] Ciesielski T, et al. **Neurol Neurochir Pol** 1984 Jan–Feb;18(1):65–7 (Eng. Abstr.) **(Pol)**
[Traumatic coronary arteriovenous fistula. A case report] Benchimol CB, et al. **Arq Bras Cardiol** 1983 Apr; 40(4):263–6 (Eng. Abstr.) **(Por)**
[Saphenous vein bypass from aorta to coronary vein accidentally performed: diagnostic aspects. Report of a case] Cardoso CR. **Arq Bras Cardiol** 1983 Dec;41(6):455–7 (Eng. Abstr.) **(Por)**
[Arteriovenous fistula as a complication of intervertebral disk hernia surgery] Langer B, et al. **Rev Paul Med** 1983 Nov–Dec;101(6):228–30 (Eng. Abstr.) **(Por)**
[Post–traumatic arteriovenous fistula, secondary to a vascular wound from a firearm. Presentation of a case] Muñoz A, et al. **Angiologia** 1984 Sep–Oct;36(5):228–31 (Eng. Abstr.) **(Spa)**
[Acquired systemic arteriovenous fistulas. Experience of 33 cases] Dallo L, et al. **Arch Inst Cardiol Mex** 1984 Mar–Apr; 54(2):159–66 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Scanning electron–microscopic study of experimentally induced intimal tears in rabbit arteries. Greenhill NS, et al. **Atherosclerosis** 1983 Nov;49(2):119–26
The use of ultrastructural and histochemical techniques to correlate sympathetic activity with blood flow through cutaneous arteriovenous anastomoses in conscious sheep. Molyneux GS, et al. **Int J Microcirc Clin Exp** 1982; 1(1):41–53

PHYSIOPATHOLOGY

Hemangiomas and vascular malformations. Wisnicki JL. **Ann Plast Surg** 1984 Jan;12(1):41–59 (184 ref.)
Enhancement of left ventricular contractility after opening of an arteriovenous fistula in dogs. Fujisawa A, et al. **Cardiovasc Res** 1984 Jan;18(1):51–9
Arteriovenous shunts associated with peripheral obliterative arterial disease. Haemodynamic, arteriographic and isotope studies. Solti F, et al. **J Cardiovasc Surg (Torino)** 1983 Sep–Oct;24(5):493–6
The absence of A–V shunting in cat hindlimb preparations as determined by direct radioisotopic visualization. Solen KA, et al. **Microvasc Res** 1984 Mar;27(2):226–9
Left ventricular adaptation to volume overload from large aortocaval fistula. Alyono D, et al. **Surgery** 1984 Aug; 96(2):360–7
[Long–term follow–up results and policy of treatment of spontaneous carotid–cavernous fistula] Nukui H, et al. **Neurol Med Chir (Tokyo)** 1983 Oct;23(10):789–96 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

Spontaneous development of an intracavernous arterial aneurysm into a carotid–cavernous fistula. Case report. Lesoin F, et al. **Acta Neurochir (Wien)** 1984;70(1–2):53–8
Medial indentation of the duodenal sweep by a dilated inferior vena cava. Liu CI, et al. **AJR** 1983 Dec; 141(6):1287–8
Iatrogenic femoral arteriovenous fistulae: evaluation by digital vascular imaging. Picus D, et al. **AJR** 1984 Mar; 142(3):567–70
Recurrent coronary artery fistula. Kostis JB, et al. **Clin Cardiol** 1984 May;7(5):307–13
Spontaneous aorto–caval fistulae. Gregson RH, et al. **Clin Radiol** 1983 Nov;34(6):683–7
Diminished vision and painless proptosis. Torres IJ, et al. **J Clin Neuro Ophthalmol** 1982 Dec;2(4):273–8
Nuclear magnetic resonance of pulmonary arteriovenous fistula: effects of flow. Webb WR, et al. **J Comput Assist Tomogr** 1984 Feb;8(1):155–7
Spontaneous carotid–cavernous fistulas: clinical, radiological, and therapeutic considerations. Experience with 20 cases. Viñuela F, et al. **J Neurosurg** 1984 May;60(5):976–84
A cerebrovascular accident with unusual features. Gautier JC, et al. **Stroke** 1983 Sep–Oct;14(5):808–10
[Value of digital angiography via a vein in the diagnosis of an atheromatous aneurysm of the subrenal aorta ruptured into the inferior vena cava] Pernes JM, et al. **J Mal Vasc** 1983;8(4):301–5 (Eng. Abstr.) **(Fre)**
[Computer tomography findings in trauma–induced carotid–cavernous sinus fistula] Daxecker F, et al. **Fortschr Ophthalmol** 1984;81(1):85–6 (Eng. Abstr.) **(Ger)**
[Misdiagnosed pulmonary round lesion] Mathias K, et al. **Radiologe** 1984 Mar;24(3):145–6 **(Ger)**
[Digital subtraction angiography (DSA) of arteriovenous pulmonary fistulae] Harder T, et al. **ROFO** 1983 Oct; 139(4):426–9 (Eng. Abstr.) **(Ger)**
[Non–invasive diagnosis of carotid artery–cavernous sinus fistulas using computed tomography] Neufang KF, et al. **ROFO** 1983 Dec;139(6):639–43 (Eng. Abstr.) **(Ger)**
[Spontaneous closure of traumatic carotid–cavernous sinus fistulae—an effect of angiography?] Stampfel G. **ROFO** 1984 Aug;141(2):176–9 (Eng. Abstr.) **(Ger)**
[Spontaneous healing of a carotid–cavernous fistula] Mohsenipour I, et al. **Zentralbl Neurochir** 1984;45(1):69–73 (Eng. Abstr.) **(Ger)**
[Demonstration of arterioportal shunt by dynamic computed tomography] Nakayama T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Nov; 80(11):2396–403 (Eng. Abstr.) **(Jpn)**
[Spontaneous cure of traumatic carotid cavernous fistula after orbital venography: case report] Iwai R, et al. **No Shinkei Geka** 1984 Feb;12(2):199–203 (Eng. Abstr.) **(Jpn)**
[Arteriovenous malformations of the cervical spinal cord—with special reference to CT study] Nagasawa S, et al. **No Shinkei Geka** 1984 Jan;12(1):93–8 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

Right carotid–cavernous fistula. Banzo J, et al. **Clin Nucl Med** 1984 Jul;9(7):412
Reversibility of intrapulmonary arteriovenous shunts in liver cirrhosis documented by serial radionuclide perfusion lung scans. Chen NS, et al. **Clin Nucl Med** 1984 May;9(5):279–82
Hepatic artery–portal vein fistula. Scintigraphic detection. Leonard JC, et al. **Clin Nucl Med** 1983 Sep;8(9):441–2
Particle imaging. Acquired arteriovenous malformations complicating a Glenn anastomosis. Sty JR, et al. **Clin Nucl Med** 1984 Apr;9(4):208–9
Neck imaging—hypervascularity in the neck on radionuclide angiography. Lin DS. **Semin Nucl Med** 1983 Jul;13(3):301–2

RADIOTHERAPY

[Successful radiotherapy in spontaneous carotid–cavernous sinus fistula—a case report] Satoh T, et al. **No Shinkei Geka** 1983 Dec;11(12):1321–5 (Eng. Abstr.) **(Jpn)**

SURGERY

Common carotid artery—internal jugular vein aneurysms and fistula with cerebrovascular signs. A case report. Kurti X, et al. **Acta Neurochir (Wien)** 1984;71(1–2):109–11
An unusual cause of endotracheal tube obstruction [letter] Harrington JF. **Anesthesiology** 1984 Jul;61(1):116–7
Carotid artery–cavernous sinus fistula. Harris AE, et al. **Arch Otolaryngol** 1984 Sep;110(9):618–23
Chemotherapy and conservative surgery in a case of late choriocarcinoma with pelvic arterio–venous fistula and fertility preservation. Feng YZ. **Chin Med J [Engl]** 1983 Jul;96(7):553–5
Radiologic seminar CCXXXII: Balloon embolization of carotid–cavernous fistulas. Smith RP, et al. **J Miss State Med Assoc** 1983 Oct;24(10):262–3
Injuries to the profunda femoris artery and its branches. Sims EH, et al. **J Natl Med Assoc** 1984 Apr;76(4):359–61
Transarterial closure of persistent carotid–cavernous fistula after carotid ligation. Case report. Kapp JP, et al. **J Neurosurg** 1984 Aug;61(2):402–4
Successful treatment of a group of spinal cord arteriovenous malformations by interruption of dural fistula. Oldfield EH, et al. **J Neurosurg** 1983 Dec;59(6):1019–30
Traumatic carotid–cavernous fistula due to transection of the intracavernous carotid artery. Case report. Sbeih IA, et al. **J Neurosurg** 1984 May;60(5):1080–4
Management of carotid–cavernous fistulas by surgery combined with interventional radiology. Report of two cases. Tress BM, et al. **J Neurosurg** 1983 Dec;59(6):1076–81
Carotid cavernous fistula: a case study and subject review. Leslie DJ, et al. **J Neurosurg Nurs** 1984 Apr;16(2):68–73
Intraoperative balloon catheter control of renal arteriovenous fistula. Sullivan LD, et al. **J Urol** 1984 Aug;132(2):326–8
Spontaneous fistula between a right common iliac artery and iliac vein [letter] McAllister CJ. **JAMA** 1984 Oct 5; 252(13):1684–5
Electrothrombosis of spontaneous carotid–cavernous fistula by copper needle insertion. Nishijima M, et al. **Neurosurgery** 1984 Apr;14(4):400–5
Spontaneous carotid–cavernous fistula and the Ehlers–Danlos syndromes. Farley MK, et al. **Ophthalmology** 1983 Nov;90(11):1337–42
Pulmonary arteriovenous fistulas occluded by percutaneous introduction of coil springs. Keller FS, et al. **Radiology** 1984 Aug;152(2):373–5
Pulmonary arteriovenous fistula coexisting with rheumatic mitral disease. Simultaneous successful correction under cardiopulmonary bypass in one case. Review of the literature. Metras D, et al. **Thorac Cardiovasc Surg** 1984 Feb;32(1):64–6
Treatment of multiple unilateral arteriovenous pulmonary fistulae by transection of the pulmonary artery. Toomes H, et al. **Thorac Cardiovasc Surg** 1984 Feb;32(1):60–3
[Recurrence of a coronary fistula after surgical treatment] Seurot M, et al. **Ann Radiol (Paris)** 1983 Apr–May; 26(4):312–4 (Eng. Abstr.) **(Fre)**
[Treatable asystole in adults caused by diffuse, total liver arterio–venous aneurysm. Cure by ligation of the hepatic artery (letter)] Danchin N, et al. **Arch Mal Coeur** 1984 Jan; 77(1):118–9 **(Fre)**
[Multiple unilateral arteriovenous fistulas of the lung. Treatment by pulmonary artery ligation] Toomes H, et al. **Prax Klin Pneumol** 1983 Oct;37(10):1134–6 (Eng. Abstr.) **(Ger)**
[Posttraumatic carotid–cavernous fistula. Treatment by progressive closure of the cervical carotid] Luparello V, et al. **Minerva Stomatol** 1983 Sep–Oct;32(5):695–700 (Eng. Abstr.) **(Ita)**
[Anesthetic management for arteriovenous fistulas] Yasuda S, et al. **Masui** 1984 Feb;33(2):189–93 (Eng. Abstr.) **(Jpn)**
[A case of pulmonary arteriovenous fistula treated by Parker's operative method] Matsumura K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Jan;32(1):102–9 (Eng. Abstr.) **(Jpn)**
[Embolization and detached balloon occlusion by the femoral route in craniofacial lesions] Takahashi N, et al. **No Shinkei Geka** 1983 Jun;11(6):591–602 (Eng. Abstr.) **(Jpn)**
[Reconstructive surgery for traumatic aneurysms of the major vessels] Gambarin BL, et al. **Vestn Khir** 1983 Jul; 131(7):66–9 (Eng. Abstr.) **(Rus)**
[Surgical treatment of arteriovenous fistulas and aneurysms] Vasiutkov VIa, et al. **Vestn Khir** 1984 Jan;132(1):86–8 (Eng. Abstr.) **(Rus)**

THERAPY

Embolization of visceral arteriovenous fistulas with a modified steel wire technique. Kim D, et al. **AJR** 1984 Jun;142(6):1215–8

High-output right ventricular failure secondary to hepatic arteriovenous microfistulae. Selective arterial embolization treatment. Brohée D, et al. **Arch Intern Med** 1984 Jun; 144(6):1282–4

Occlusion of a hepatic artery to portal vein fistula with bucrylate. Kerlan RK Jr, et al. **Cardiovasc Intervent Radiol** 1983;6(3):138–40

Treatment of post-traumatic carotid-cavernous fistulas by detachable catheter balloon. Vandresse JH. **J Belge Radiol** 1984;67(1):21–4

Arteriovenous fistulae of the internal iliac vessels. Natali J, et al. **J Cardiovasc Surg (Torino)** 1984 Mar–Apr; 25(2):165–72

Therapeutic embolization of an external carotid-cavernous sinus fistula in an infant. Case report. Ahn HS, et al. **J Neuroradiol** 1983;10(3):261–4 **(Eng, Fre)**

Management of pulmonary arteriovenous fistulas after superior vena cava-right pulmonary artery (Glenn) anastomosis. Gomes AS, et al. **J Thorac Cardiovasc Surg** 1984 Apr;87(4):636–9

Acute traumatic vertebral arteriovenous fistula: balloon occlusion with the use of a contralateral approach. Miller RE, et al. **Neurosurgery** 1984 Feb;14(2):225–9

Carotid-cavernous fistula. Intravascular treatment with a self-sealing detachable balloon. Ahn HS, et al. **Radiology** 1983 Nov;149(2):583–4

A new approach to the treatment of vertebral arteriovenous fistulas. Fairman RM, et al. **Surgery** 1984 Jan;95(1):112–5

Carotico-cavernous fistula neurosurgical management in the 1980s. Macfarlane M. **Trans Ophthalmol Soc NZ** 1983; 35:30–2

[Arteriovenous fistula of the 3d left lumbar pedicle: successful treatment with a Gianturco coil] Fays J, et al. **Ann Radiol (Paris)** 1983 Sep–Oct;26(6):525–8 (Eng. Abstr.) **(Fre)**

ARTERIOVENOUS MALFORMATIONS

see related
ANGIOMATOSIS
ARTERIOVENOUS FISTULA
HEMANGIOMA

Vascular anomalies of the gastrointestinal tract. Camilleri M, et al. **Hepatogastroenterology** 1984 Jun;31(3):149–53 (66 ref.)

[Heavy legs in angiodysplasias] Cormier JM. **J Mal Vasc** 1984;9 Suppl A:49–51 **(Fre)**

[Is Medusa still alive? A medicomythological observation] Vollmar JF. **Vasa** 1983;12(3):296–300 (Eng. Abstr.) **(Ger)**

[Angiographic and hemodynamic/studies in a case of congenital arteriovenous fistula of the lung for purposes of corrective treatment] Sodano A, et al. **Minerva Cardioangiol** 1983 Jul–Aug;31(7–8):455–8 (Eng. Abstr.) **(Ita)**

CLASSIFICATION

Congenital vascular lesions: clinical application of a new classification. Finn MC, et al. **J Pediatr Surg** 1983 Dec; 18(6):894–900

COMPLICATIONS

Ulcers associated with congenital arteriovenous fistulas. Lee EB, et al. **Arch Dermatol** 1983 Nov;119(11):949–51

Cerebral abscess: manifestation of pulmonary arteriovenous malformations. Feneley MP, et al. **Aust NZ J Med** 1983 Jun;13(3):280–2

Giant coronary-to-bronchial arterial anastomosis complicated by myocardial infarction. Nohara R, et al. **Chest** 1983 Dec;84(6):772–4

The aortic valve. Colonic axis. Shbeeb I, et al. **Dis Colon Rectum** 1984 Jan;27(1):38–41

Proptosis due to arteriovenous malformations and fistulae. Boparai MS, et al. **Indian J Ophthalmol** 1983 Jul; 31(4):321–2

Angiolymphoid hyperplasia with eosinophilia in association with a vascular malformation. Nix M. **J Dermatol Surg Oncol** 1984 Aug;10(8):632–6

Renin-mediated arterial hypertension in a case of congenital renal arteriovenous fistula. Praga M, et al. **J Urol** 1984 May;131(5):937–8

Impotence associated with pudendal arteriovenous malformation. Zorgniotti AW, et al. **J Urol** 1984 Jul; 132(1):128–30

Spinal cord arteriovenous malformations associated with spinal aneurysms. Miyamoto S, et al. **Neurosurgery** 1983 Nov;13(5):577–80

Arteriovenous malformation and associated phleboliths. Report of a case. Keathley CJ, et al. **Oral Surg** 1983 Aug; 56(2):132–5

[Case of cervical AVM associated with neurofibromatosis presenting unilateral pulsating exophthalmos] Murata T, et al. **Neurol Med Chir (Tokyo)** 1983 Oct;23(10):807–13 (Eng. Abstr.) **(Jpn)**

[Case of coronary artery fistula with large coronary aneurysm] Arai S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Oct;31(10):1565–7 (Eng. Abstr.) **(Jpn)**

[Arteriovenous malformation of the pancreas associated with para-papilla duodenal ulcer and choledocho-duodenal fistula] Hashimoto M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Jul;80(7):1496–500 **(Jpn)**

[Case of a congenital giant aneurysm of the pulmonary artery complicated by parietal thrombosis] Saperov VN, et al. **Ter Arkh** 1984;56(3):129–31 **(Rus)**

[Middle lobe syndrome and pulmonary arteriovenous fistula] Carretero Báez M, et al. **Rev Clin Esp** 1983 Sep 30; 170(6):303–6 **(Spa)**

DIAGNOSIS

Sonography of extrathoracic left-to-right shunts in infants and children. Kangarloo H, et al. **AJR** 1983 Nov; 141(5):923–6

Intestinal vascular ectasia. Improving diagnostic capability poses therapeutic dilemma. Levine DS. **Am J Med** 1984 Jun;76(6):1151–5

Doppler echocardiographic features of coronary arteriovenous fistula. Complementary roles of cross sectional echocardiography and the Doppler technique. Miyatake K, et al. **Br Heart J** 1984 May;51(5):508–18

Doppler sonography in the diagnosis of dural carotidcavernous fistula. Rush JA, et al. **J Clin Neuro Ophthalmol** 1982 Mar;2(1):39–42

NMR imaging of pulmonary arteriovenous fistulae . Gutierrez FR, et al. **J Comput Assist Tomogr** 1984 Aug; 8(4):750–2

Congenital pulmonary arteriovenous fistulas: report of two cases with 9 years follow-up. Suwanjutha S, et al. **J Med Assoc Thai** 1983 Jun;66(6):345–51

Chiasmal apoplexy: hemorrhage from a cryptic vascular malformation in the optic chiasm. Lavin PJ, et al. **Neurology (NY)** 1984 Aug;34(8):1007–11

[4 cases of pulmonary arteriovenous fistula disclosed by cerebrovascular accidents] Abet D, et al. **Ann Chir** 1984 Apr;38(3):197–202 (Eng. Abstr.) **(Fre)**

[Doppler flowmetry in Klippel-Trénaunay-Weber syndrome] Donofrio P, et al. **G Ital Dermatol Venereol** 1983 Nov–Dec;118(6):361–3 (Eng. Abstr.) **(Ita)**

[Case of congenital internal mammary arteriovenous fistula] Samukawa M, et al. **Kokyu To Junkan** 1983 Sep; 31(9):1029–33 (Eng. Abstr.) **(Jpn)**

[Vascular tumor of the scalp. Case of hemangioendothelioma and two cases of cirsoid aneurysm] Tani S, et al. **Neurol Med Chir (Tokyo)** 1983 Sep;23(9):755–60 (Eng. Abstr.) **(Jpn)**

[Case of arteriovenous malformation of the cecum] Ono M, et al. **Rinsho Hoshasen** 1983 Aug;28(8):907–9 (Eng. Abstr.) **(Jpn)**

[Clinical picture of arteriovenous aneurysms of pulmonary vessels] Zharko KP, et al. **Ter Arkh** 1983;55(10):57 (2 ref.) **(Rus)**

[Method of selective electrodilution in the diagnosis of pathological blood shunting between the greater and lesser circulations] Lazarev SM, et al. **Vestn Khir** 1984 Jul; 132(7):123–5 **(Rus)**

[Arteriovenous dysplasias of the limbs] Zakharova GN, et al. **Vestn Khir** 1984 Mar;132(3):89–92 **(Rus)**

[Pathologic pulmonary arteriovenous fistula] Mandarić D, et al. **Plucne Bolesti Tuberk** 1983 Jan–Dec;35(1–4):81–5 (Eng. Abstr.) **(Scr)**

[Congenital arteriovenous fistulas of the lung. Report of 5 personal cases] Vara-Thorbeck R, et al. **Rev Clin Esp** 1984 Apr 30;173(2):107–12 (Eng. Abstr.) **(Spa)**

[Congenital arteriovenous fistula between the left coronary and the right atrium. M-mode and bidimensional echocardiography] Chorro Gasco FJ, et al. **Rev Esp Cardiol** 1983;36(2):169–72 (Eng. Abstr.) **(Spa)**

[Use of contrast echocardiography in the diagnosis of peripheral arteriovenous fistulas in the newborn infant] Girona J, et al. **Rev Esp Cardiol** 1983;36(3):269–72 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Congenital arteriovenous fistula between the internal mammary artery and the pulmonary artery. Serruys PW, et al. **Eur Heart J** 1984 Jan;5(1):80–4

Common hepatic artery ascending on the anterior surface of the pancreas and left renal vein running beneath the diaphragm. Ohtsuka A, et al. **Okajimas Folia Anat Jpn** 1984 Mar;60(6):427–34

Quantitative evaluation of mast cells in cellularly dynamic and adynamic vascular malformations. Pasyk KA, et al. **Plast Reconstr Surg** 1984 Jan;73(1):69–77

[Pulmonary arteriovenous aneurysm] Nouvet G, et al. **Poumon Coeur** 1983;39(3):139–43 (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Pulmonary arteriovenous fistula showing a fall in shunt fraction during exercise. Maeda H, et al. **Chest** 1984 Apr; 85(4):575–7

Familial juvenile type III spinal cord arteriovenous malformation: urodynamic findings. Rudy DC, et al. **J Urol** 1983 Nov;130(5):946–7

The dural shunt syndrome. Pathophysiology and clinical course. Grove AS Jr. **Ophthalmology** 1984 Jan;91(1):31–44

RADIOGRAPHY

Intraarterial digital subtraction angiography of spinal arteriovenous malformations. Doppman JL, et al. **AJNR** 1983 Sep–Oct;4(5):1081–5

Digital subtraction arteriography for spinal arteriovenous malformation. Levy JM, et al. **AJNR** 1983 Nov–Dec; 4(6):1217–8

Closed-system venography in the evaluation of angiodysplastic lesions of the extremities. Braun SD, et al. **AJR** 1983 Dec;141(6):1307–10

Shunt vascularity in a young patient with right-sided aortic arch. Rosenbloom SA, et al. **Chest** 1984 Aug;86(2):251–2

CT demonstration of a dural arteriovenous malformation. Chesna EJ, et al. **Comput Radiol** 1984 Jan–Feb;8(1):49–52

Pancreatic arteriovenous malformation presenting as interesting findings on endoscopic retrograde pancreatography. Sawabu N, et al. **Dig Dis Sci** 1984 Jul; 29(7):678–82

Spinal meningeal AVM supplied from the internal iliac artery associated with tethered cord syndrome in an adult: case report. Wortsman J, et al. **J Can Assoc Radiol** 1983 Dec; 34(4):323–5

Lumbar arteriovenous malformation presenting as an acute disc syndrome: CT findings. Lusins JO, et al. **J Comput Assist Tomogr** 1984 Oct;8(5):1028–9

Computed tomography in the management of spinal cord arteriovenous malformations. Guglielmi G, et al. **J Neurosurg Sci** 1984 Jan–Mar;28(1):33–6

Pulmonary arteriovenous malformation: an uncommon cause for cyanosis in the newborn. Taylor GA. **Pediatr Radiol** 1983;13(6):339–41

Case report 273. Periosteal (parosteal, juxtacortical) vascular malformation. Guerra J Jr, et al. **Skeletal Radiol** 1984; 11(4):303–6

Dynamic computed tomography scanning with combined metrizamide and arterial bolus injection in arteriovenous malformation of the spinal cord. Guinto FC Jr, et al. **Surg Neurol** 1984 Aug;22(2):181–5

Hemorrhage from congenital renal arteriovenous malformation in pregnancy. Klimberg I, et al. **Urology** 1984 Apr;23(4):381–4

[A case of colonic angiodysplasia] Manouvrier J, et al. **LARC Med** 1984 May;4(5):299–301 **(Fre)**

[Clinical and angiographic aspects of medullary angiomas] Cusmano F, et al. **Radiol Med (Torino)** 1983 Nov; 69(11):863–9 (Eng. Abstr.) **(Ita)**

[Intrathoracic diseases with angiographically observed arteriovenous shunts] Satoh S, et al. **Rinsho Hoshasen** 1983 Aug;28(8):831–7 (Eng. Abstr.) **(Jpn)**

[A case of intralobar sequestration with a rare type of vascularization] Mielecki T, et al. **Pol Przegl Radiol (Warszawa)** 1983 Jan–Feb;47(1):85–8 (Eng. Abstr.) **(Pol)**

[Congenital intrarenal arteriovenous fistulas (apropos of a case of the cirsoid variety)] Maganto Pavón E, et al. **Actas Urol Esp** 1983 May–Jun;7(3):209–14 (Eng. Abstr.) **(Spa)**

[Massive pulmonary arteriovenous fistula] de Gracia J, et al. **Med Clin (Barc)** 1984 Feb 25;82(7):323–6 (Eng. Abstr.) **(Spa)**

RADIONUCLIDE IMAGING

Arteriovenous malformation of the colon: localization with scintigraphy. Alonso K, et al. **J Med Assoc Ga** 1983 Oct; 72(10):713–5

RADIOTHERAPY

[Radiotherapy of arteriovenous malformations of the brain] Makoski HB, et al. **Strahlentherapie** 1984 Mar;160(3):159–65 (Eng. Abstr.) **(Ger)**

SURGERY

Angiodysplasia of the colon. A review of 17 cases. Smith GF, et al. **Arch Surg** 1984 May;119(5):532–6

Postoperative unilateral facial oedema: a complication of acute flexion of the neck. Munshi CA, et al. **Can Anaesth Soc J** 1984 Mar;31(2):197–9

Surgical treatment of an arteriovenous malformation of the mandible in a child. A case report. Gallagher DM, et al. **J Maxillofac Surg** 1983 Dec;11(6):279–83

The Nd:YAG laser in neurosurgery [letter] Jain KK. **J Neurosurg** 1984 Aug;61(2):415–6

Successful treatment of a group of spinal cord arteriovenous malformations by interruption of dural fistula. Oldfield EH, et al. **J Neurosurg** 1983 Dec;59(6):1019–30

Spinal arteriovenous malformations [letter] Shephard RH. **J Neurosurg** 1984 Aug;61(2):411–3

Dural arteriovenous malformations of the spine. Clinical features and surgical results in 55 cases. Symon L, et al. **J Neurosurg** 1984 Feb;60(2):238–47

Combined treatment of head and neck vascular masses with preoperative embolization. Persky MS, et al. **Laryngoscope** 1984 Jan;94(1):20–7

Arteriovenous malformations of the mandible. Babin RW, et al. **Otolaryngol Head Neck Surg** 1983 Aug;91(4):366–71

Arteriovenous malformation of the mandible. Holt GR, et al. **Otolaryngol Head Neck Surg** 1983 Oct;91(5):573–8

Huge arteriovenous malformation in the mediastinum. Clinical presentation and surgical management. Lunde P, et al. **Scand J Thorac Cardiovasc Surg** 1984;18(1):75–80

Management of congenital arteriovenous malformations. Flye MW, et al. **Surgery** 1983 Nov;94(5):740–7

[Vascular malformations of the duodenum, small intestine and colon] Qian YQ. **Chung Hua Wai Ko Tsa Chih** 1983

Nov;21(11):679–81 (Eng. Abstr.) (Chi)
[Operative treatment of Malan's syndrome] Mathiesen FR, et al. **Ugeskr Laeger** 1983 Dec 12;145(50):3909–10 (Eng. Abstr.) (Dan)
[Reversible star formation of the macula in retinal angiomatosis] Schütte E, et al.
Klin Monatsbl Augenheilkd 1983 Sep;183(3):205–7 (Eng. Abstr.) (Ger)
[Criteria of choice of treatment and operative methods in congenital arteriovenous fistulas (considerations on 59 cases observed 1979–1982)] Raso AM, et al. **Ann Ital Chir** 1983; 55(2):121–36 (Eng. Abstr.) (Ita)
[Surgical treatment of pulmonary arteriovenous fistula] Bamba J, et al. **Kyobu Geka** 1984 May;37(5):370–5 (Eng. Abstr.) (Jpn)
[A case of a four-month-old infant with congenital coronary arterio-venous fistula] Matsumura C, et al. **Kyobu Geka** 1984 Mar;37(3):235–9 (Eng. Abstr.) (Jpn)
[Embolization and detached balloon occlusion by the femoral route in craniofacial lesions] Takahashi N, et al.
No Shinkei Geka 1983 Jun;11(6):591–602 (Eng. Abstr.) (Jpn)
[Surgical treatment of post-traumatic arterial pseudoaneurysms and arteriovenous fistulas] Komarov IA, et al. **Khirurgiia (Mosk)** 1983 Dec;(12):37–43 (Eng. Abstr.) (Rus)

THERAPY

Embolotherapy in vascul. disease. White RI Jr. **AJR** 1984 Jan;142(1):27–30
Therapeutic arterial embolisation: report of five years' experience. O'Halpin D, et al. **Clin Radiol** 1984 Mar; 35(2):85–93
Arteriovenous fistulae of the internal iliac vessels. Natali J, et al. **J Cardiovasc Surg (Torino)** 1984 Mar–Apr; 25(2):165–72
Somatosensory evoked potentials during spinal angiography and therapeutic transvascular embolization. Berenstein A, et al. **J Neurosurg** 1984 Apr;60(4):777–85
Orbital arteriovenous malformation with secondary capillary angiomatosis treated by embolization with silastic liquid. Howard GM, et al. **Ophthalmology (Rochester)** 1983 Sep; 90(9):1136–9
Therapeutic embolization of the small-bowel arteries. Palmaz JC, et al. **Radiology** 1984 Aug;152(2):377–82
Transcatheter embolotherapy for congenital renal arteriovenous malformations. Long-term follow-up. Clouse ME, et al. **Urology** 1983 Oct;22(4):360–5
[Peroperative embolization of arteriovenous malformations arising from the vertebral artery] George B, et al.
Neurochirurgie 1984;30(4):269–72 (Eng. Abstr.) (Fre)
[Conservative or surgical treatment of congenital arteriovenous malformations. A case of spontaneous amputation] Hoessly UJ. **Helv Chir Acta** 1984 Jun; 51(2):215–8 (Ger)
[Two cases of renal arteriovenous fistula treated by transcatheter embolization with absolute ethanol] Sasaki M, et al. **Hinyokika Kiyo** 1984 Mar;30(3):295–8 (Eng. Abstr.) (Jpn)

ARTERIOVENOUS MALFORMATIONS, CEREBRAL see **CEREBRAL ARTERIOVENOUS MALFORMATIONS**

ARTERIOVENOUS SHUNT, SURGICAL

Radionuclide studies in postoperative evaluation of the Fontan procedure. Brendel AJ, et al. **AJR** 1984 Oct; 143(4):737–43
Hypotension and closure of hemodialysis access shunts. Berger A, et al. **Am Surg** 1983 Oct;49(10):551–3
Arterial embolization. Pitfalls of revision of graft angioaccess. Nghiem DD, et al. **Am Surg** 1984 Jul;50(7):396–8
Hypotension and arteriovenous shunting: effects of intravenous infusion of nitroprusside, nitroglycerin and phentolamine. Dumont L, et al. **Angiology** 1984 Feb; 35(2):88–96
Percutaneous transluminal angioplasty. An ineffective approach to the failing vascular access. Tortolani EC, et al. **Arch Surg** 1984 Feb;119(2):221–3
Haemodynamics of the adjunctive arteriovenous fistula in femorodistal bypass grafting: an experimental study. Parvin SD, et al. **Br J Surg** 1984 Jul;71(7):502–5
Salvage of a severely ischemic limb by arteriovenous revascularization: a case report. Symes JF, et al.
Can J Surg 1984 May;27(3):274–7
Salvage of thrombosed polytetrafluoroethylene dialysis fistulas by interposition grafting. Wellington JL.
Can J Surg 1983 Sep;26(5):463–5
Reoperation for correction of anomalous origin of the left coronary artery from the pulmonary artery with return of left ventricular function. Savage RW, et al.
Cathet Cardiovasc Diagn 1984;10(1):37–42
Hemodialysis for children. A review. Nevins TE, et al.
Int J Pediatr Nephrol 1983 Sep;4(3):155–69 (158 ref.)
A canine ex vivo series shunt for evaluating thrombus deposition on polymer surfaces. Lelah MD, et al.
J Biomed Mater Res 1984 May–Jun;18(5):475–96
Polydioxanone in vascular surgery. First experience with an absorbable suture in femoro-popliteal bypass. Tuchmann A, et al. **J Cardiovasc Surg (Torino)** 1984 May–Jun; 25(3):225–9
Home parenteral nutrition via arteriovenous fistula [letter] Baird RM. **JPEN** 1984 Jul–Aug;8(4):461
Home parenteral nutrition via arteriovenous fistulae. Engels LG, et al. **JPEN** 1983 Jul–Aug;7(4):412–4
Home parenteral nutrition using shunts. Havill JH, et al. **JPEN** 1984 May–Jun;8(3):321–4
Hormone conditioned cancer chemotherapy for recurrent breast cancer prolongs survival. Sugimachi K, et al.
Jpn J Surg 1984 May;14(3):217–21
The PTFE grafts as alternative blood access in the surgical management of long-term haemodialysis. Seccia M, et al.
Life Support Syst 1984 Jan–Mar;2(1):63–9
Doppler ultrasound diagnosis of complications of polytetrafluoroethylene (PTFE) graft shunts. Tordoir JH, et al. **Neth J Surg** 1984 Apr;36(2):42–4
Shunt haemodynamics and extracorporeal dialysis: an electrical resistance network analysis. van Gemert MJ, et al. **Phys Med Biol** 1984 Mar;29(3):219–35
Streptokinase and transluminal angioplasty in the treatment of acutely thrombosed hemodialysis access fistulas. Rodkin RS, et al. **Radiology** 1983 Nov;149(2):425–8
In vitro vs. ex vivo platelet deposition on polymer surfaces. Goodman SL, et al. **Scan Electron Microsc** 1984;(Pt 1):279–90
Morphological changes occurring during thrombogenesis and embolization on biomaterials in a canine ex-vivo series shunt. Lelah MD, et al. **Scan Electron Microsc** 1983;(Pt 4):1983–94
Trends in access surgery for hemodialysis. Harder F, et al. **Surg Annu** 1984;16:135–49
Construction of experimental 'giant' aneurysms. Varsos V, et al. **Surg Neurol** 1984 Jul;22(1):17–20
Arteriovenous fistulas [letter] Dardik H. **Surgery** 1984 Mar; 95(3):378–9
Overcoming failure of venous vascular prostheses. Plate G, et al. **Surgery** 1984 Sep;96(3):503–10
A comparison of dialysis access grafts. Dienst SG, et al.
Trans Am Soc Artif Intern Organs 1983;29:353–6
Regional experience with the Hemasite no-needle access device. Kaplan AA, et al.
Trans Am Soc Artif Intern Organs 1983;29:369–72
Suction-assisted continuous arteriovenous hemofiltration. Kaplan AA, et al. **Trans Am Soc Artif Intern Organs** 1983; 29:408–13
Testicular revascularization using arterial without venous anastomosis for intraperitoneal cryptorchism. Sharlip ID. **Urology** 1984 Jul;24(1):34–7
[Experimental observations on restoring adequate blood inflow to supply tissue cells of ischemic lower extremities] Sun JM. **Chung Hua Wai Ko Tsa Chih** 1983 Dec; 21(12):709–11 (Eng. Abstr.) (Chi)
[The effect of arteriovenous fistulae on hemodynamics in hemodialyzed patients] Valenta J, et al. **Cas Lek Cesk** 1984 May 18;123(20):618–20 (Eng. Abstr.) (Cze)
[Hemodynamics of arteriovenous fistulas in patients on long-term hemodialysis] Valenta J, et al. **Cas Lek Cesk** 1983 Aug 26;122(34):1040–2 (Eng. Abstr.) (Cze)
[Personal experience with the Gore-Tex prostheses] Pirk J, et al. **Rozhl Chir** 1984 Jun;63(6):397–402 (Eng. Abstr.) (Cze)
[Use of iopamidol for the angiographic study of forearm fistulas in renal failure patients on chronic hemodialysis] Rouleau P, et al. **Ann Radiol (Paris)** 1983 Dec;26(8 Pt 2):746–50 (Eng. Abstr.) (Fre)
[Parenteral nutrition using an arteriovenous fistula] Ricour C, et al. **Arch Fr Pediatr** 1983 Jun–Jul;40(6):457–60 (Eng. Abstr.) (Fre)
[Venous homografts as femoro-popliteal bypasses or as vascular access routes in chronic hemodialysis] Koebelé F, et al. **J Chir (Paris)** 1984 Apr;121(4):283–92 (Eng. Abstr.) (Fre)
[New experimental documents on circulatory reversal by arteriovenous fistula in ischemia of the extremities] Kunlin J, et al. **J Mal Vasc** 1983;8(4):287–92 (Eng. Abstr.) (Fre)
[Experimental intravascular pressure-volume measurement for assessment of the biomechanical load tolerance of microvascular anastomoses] Brüser P, et al.
Handchir Mikrochir Plast Chir 1984 Mar;16(1):34–8 (Eng. Abstr.) (Ger)
[Role of artero-venous fistulas in maintaining the patency in long rescue by-passes] Dall'Antonia F, et al.
Minerva Cardioangiol 1983 Dec;31(12):721–5 (Eng. Abstr.) (Ita)
[Use of urokinase in the occlusion of arteriovenous fistulae for chronic hemodialysis] Iberti M, et al.
Minerva Nefrol 1983 Oct–Dec;30(4):207–11 (Eng. Abstr.) (Ita)
[Angiography of surgically created arteriovenous fistulas for hemodialysis] Szmidt A. **Pol Przegl Radiol (Warszawa)** 1983 Jul–Aug;47(4):325–30 (Eng. Abstr.) (Pol)
[A case of acute hepatic encephalopathy caused by viral hepatitis and treated by arterialization of the portal blood] Kokot F, et al. **Pol Tyg Lek** 1984 Apr 2;39(14):471–2 (Pol)
[Arteriovenous shunt for hemodialysis in the brachial artery in severely ill patients] de Oliveira AP, et al.
Rev Paul Med 1984 Jan–Feb;102(1):35–7 (Eng. Abstr.) (Por)
[Aneurysms of vascular anastomoses. Methods of surgical treatment] Fluture V, et al. **Rev Chir [Chir]** 1983 Nov–Dec; 32(6):421–7 (Eng. Abstr.) (Rum)
[Effect of brief shunting in injuries of the major vessels of the extremities (experimental-clinical study)] Babosha VA, et al. **Ortop Travmatol Protez** 1983 Oct;(10):27–30 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

The significance of arteriovenous shunting for the development of varicose veins. Reikerås O, et al.
Acta Chir Scand 1983;149(5):479–81
Clearing of clotted dialysis shunts by streptokinase injection at multiple sites. Zeit RM. **AJR** 1983 Nov;141(5):1053–4
Local low-dose streptokinase thrombolysis of a thrombosed arteriovenous fistula [letter] Minar E, et al.
Am J Nephrol 1984 Jan–Feb;4(1):66–7
Peripheral nerve compression by brachial artery-basilic vein vascular access in long-term hemodialysis. Reinstein L, et al. **Arch Phys Med Rehabil** 1984 Mar;65(3):142–4
Ulceration of the hand secondary to a radial arteriovenous fistula: a model for varicose ulceration. Wood ML, et al.
Br Med J [Clin Res] 1983 Oct 22;287(6400):1167–8
Percutaneous transluminal angioplasty of stenotic lesions in dialysis vascular accesses. Gaux JC, et al. **Eur J Radiol** 1983 Aug;3(3):189–93
The effect of stasis on a microvascular anastomosis. Fernandez EJ, et al. **Microsurgery** 1983;4(3):176–7
Urokinase treatment for arteriovenous fistulae declotting in dialyzed patients. Mangiarotti G, et al. **Nephron** 1984; 36(1):60–4
Dialysis access fistulas: treatment of stenoses by transluminal angioplasty. Glanz S, et al. **Radiology** 1984 Sep; 152(3):637–42
Failing arteriovenous dialysis fistulas: evaluation and treatment. Hunter DW, et al. **Radiology** 1984 Sep; 152(3):631–5
Resection of false aneurysm from angioaccess of forearm. Tanchajja S, et al. **Surg Gynecol Obstet** 1983 Nov; 157(5):479
Management of the infected hemodialysis access grafts. Nghiem DD, et al. **Trans Am Soc Artif Intern Organs** 1983; 29:360–2
[Angiography by the arterial route of arteriovenous fistula in hemodialysis patients] Dana A, et al.
Ann Radiol (Paris) 1983 Jun–Jul;26(5):359–64 (Eng. Abstr.) (Fre)
[Progressive complications associated with the use of a bovine heterograft for vascular access] Guidoin R, et al.
Can J Surg 1984 Jan;27(1):72–7 (Eng. Abstr.) (Fre)
[Local streptokinase thrombolysis in a Cimino shunt thrombosis] Minar E, et al. **Dtsch Med Wochenschr** 1983 Dec 9;108(49):1884–5 (Eng. Abstr.) (Ger)
[Shunt malfunction due to a Blalock-Taussig anastomosis of the pulmonary vein] Rigler B, et al. **Herz** 1983 Aug; 8(4):221–6 (Eng. Abstr.) (Ger)
[Carpal tunnel syndrome in dialyzed patients with an arteriovenous fistula of the forearm] Saggini R, et al.
Arch Putti Chir Organi Mov 1983;33:397–403 (Eng. Abstr.) (Ita)

INSTRUMENTATION

Fistula guard. Angelo JB. **Am J Occup Ther** 1983 Sep; 37(9):630
Thrombectomy of a Hemasite graft. Jain KM, et al.
Am J Surg 1984 May;147(5):696–7
[Hemasite: a means of vascular access for chronic hemodialysis] Christides C, et al. **Presse Med** 1984 Jun 30; 13(27):1693–4 (Eng. Abstr.) (Fre)
[Bovine spiral xenograft as a vascular access for hemodialysis] Maass D, et al. **Helv Chir Acta** 1984 Apr;51(1):105–14 (Eng. Abstr.) (Ger)
[Intraluminal shunt in carotid surgery] Solheim K.
Tidsskr Nor Laegeforen 1983 Aug 30;103(24):1705–6 (Eng. Abstr.) (Nor)

METHODS

A grafted arteriovenous fistula between the subclavian artery and ipsilateral internal jugular vein. Case report. Thomsen MB. **Acta Chir Scand** 1983;149(6):637–8
Conduit placement for hemodialysis. Hussey JL.
Am J Surg 1984 Aug;148(2):284–6
Superior vena cava-pulmonary artery anastomosis. Glenn WW. **Ann Thorac Surg** 1984 Jan;37(1):9–11
Creation of free flaps by arterialization of the venous system. Mundy JC, et al. **Arch Otolaryngol** 1984 Apr;110(4):221–3
Interposition vein cuff for anastomosis of prosthesis to small artery. Miller JH, et al. **Aust NZ J Surg** 1984 Jun; 54(3):283–5
The use of Goretex (P.T.F.E.) for angio-access for chronic haemodialysis. The place of peri-operative antibiotics. Odurny A, et al. **Br J Clin Pract** 1984 Apr;38(4):134–7
Spontaneous anastomosis of vessels approximately 100 mu in diameter: an experimental study. Smahel J, et al.
Br J Plast Surg 1984 Apr;37(2):236–40
Brachiodistal vein arteriovenous fistula with valve destruction as a secondary access procedure for haemodialysis. Parvin SD, et al. **Br J Surg** 1984 Apr; 71(4):323–4
A prospective study of end-to-side vs. side-to-side arteriovenous fistulas for haemodialysis. Wedgwood KR, et al. **Br J Surg** 1984 Aug;71(8):640–2
Arteriovenous shunt in the management of severe asthma.

Truedson H, et al. **Eur J Respir Dis** 1984 Jul;65(5):362–4
The Biograft for femoropopliteal bypass. Boontje AH. **J Cardiovasc Surg (Torino)** 1983 Sep–Oct;24(5):497–502
Patency of the primary pedal arch, blood flow through a femoro–tibial graft, and the role of a distal arteriovenous shunt. Campbell H, et al. **J Cardiovasc Surg (Torino)** 1983 Sep–Oct;24(5):490–2
New concepts in vascular access. Garrison RN, et al. **J Ky Med Assoc** 1984 Mar;82(3):121–4
A new anastomosis technique for large–calibered vein grafts. Harashina T, et al. **Microsurgery** 1983;4(3):171–5
A simplified method for total arterialization of the liver in rats. Holmin T, et al. **Microsurgery** 1983;4(1):57–60
Effect of suture technique on blood velocity waveforms in the microvascular anastomosis of autogenous vein graft. Lee BY, et al. **Microsurgery** 1983;4(3):151–6
Vascular access for patients on long–term hemodialysis maintenance. Kim GE, et al. **NY State J Med** 1984 Apr; 84(4):178–80
Central, high flow subclavian artery–internal jugular vein fistula for venous access. Ekeström S, et al. **Scand J Thorac Cardiovasc Surg** 1983;17(3):299–303
A simplified technique for the tunneling of extra–anatomic polytetrafluoroethylene grafts. Chapman JE Jr. **Surg Gynecol Obstet** 1984 Jan;158(1):89–90
Arteriovenous shunt using the sleeve technique in the dog. Nordgren S, et al. **Surg Gynecol Obstet** 1984 Mar; 158(3):231–2
Successful conversion of external shunts to arteriovenous fistulas in adults and children with end–stage renal failure. Graben N, et al. **Trans Am Soc Artif Intern Organs** 1983; 29:373–5
Comparing vascular access methods. Ogden DA. **Trans Am Soc Artif Intern Organs** 1983;29:782–94
Subcutaneous brachial vein arteriovenous fistula for chronic hemodialysis. Koontz PG Jr, et al. **World J Surg** 1983 Sep; 7(5):672–4
The radiocephalic fistula as vascular access for chemotherapy. Wobbes T, et al. **World J Surg** 1983 Jul; 7(4):532–5
[New method of vessel access in patients on intermittent hemodialysis] Kraev Z. **Khirurgiia (Sofiia)** 1984;37(2):146–9 **(Bul)**
[Connecting patients with chronic kidney failure to the artificial kidney. 10 years' experience at the Strahov Hemodialysis Center] Klímová D, et al. **Cas Lek Cesk** 1983 Aug 26;122(34):1030–3 (Eng. Abstr.) **(Cze)**
[Extra–anatomic bypass in injuries of the subclavian artery] Thiele H, et al. **Chirurg** 1983 Nov;54(11):734–7 (Eng. Abstr.) **(Ger)**
[Basilic vein fistula of the upper arm—a neglected vascular access for chronic hemodialysis] Landmann J, et al. **Helv Chir Acta** 1984 Apr;51(1):97–100 (Eng. Abstr.) **(Ger)**
[Percutaneous quantitative shunt flow measurement and flow measurement of large transport arteries in chronic dialysis patients] Hirschl M, et al. **Vasa** 1984;13(2):159–64 (Eng. Abstr.) **(Ger)**
[Modification of a subcutaneous arteriovenous fistula for treatment with detoxication procedures] Templin R, et al. **Z Urol Nephrol** 1983 Oct;76(10):643–6 (Eng. Abstr.) **(Ger)**
[Follow–up study of superior vena cava–pulmonary artery anastomosis (Glenn's method) in cyanotic heart disease] Abe T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Mar; 31(3):315–23 (Eng. Abstr.) **(Jpn)**
[Vascular access in hemodialysis, prolonged parenteral nutrition and treatment with cytostatics] Bentdal OH, et al. **Tidsskr Nor Laegeforen** 1984 Mar 30;104(9):669–72 (Eng. Abstr.) **(Nor)**
[Effect of the ligation of the vascular pedicle elements of the jejunal loop inserted between the stomach and the duodenum in the dog] Salomão Paulo DN, et al. **AMB** 1983 Jan–Feb;29(1–2):13–7 (Eng. Abstr.) **(Por)**
[Possible methods of establishing atypical AV fistulas in patients on hemodialysis] Bošković S, et al. **Acta Chir Iugosl** 1984;31(1):17–24 (Eng. Abstr.) **(Scr)**
[Direct arteriovenous fistula—the method of choice for access to blood vessels in patients on regular hemodialysis (experience gained from 343 operations during 11 years)] Pasini J, et al. **Lijec Vjesn** 1984 May;106(5):199–202 (Eng. Abstr.) **(Scr)**
[Brescia–Cimino distal internal arteriovenous fistulas: termino–terminal anastomosis. Apropos of 135 cases] Rodríguez Morán M, et al. **Angiologia** 1984 Jan–Feb; 36(1):1–8 (Eng. Abstr.) **(Spa)**

NURSING

Nursing roles in vascular access surgery. Sigley DP. **AORN J** 1983 Nov;38(5):811, 814–5, 818 passim

STANDARDS

A noninvasive determination of fistula blood flow in dialysis patients. Bouthier JD, et al. **Artif Organs** 1983 Nov; 7(4):404–9

ARTERITIS

[Arteritic heavy legs] Lagneau P. **J Mal Vasc** 1984;9 Suppl A:47–8 **(Fre)**

CHEMICALLY INDUCED

[Angiographic indications of vasculitis in 4 cases of acute cerebrovascular accidents while taking contraceptives] Mestre C, et al. **Rev Clin Esp** 1983 Oct 15;171(1):27–30 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Cerebral arteritis and bacterial meningitis. Igarashi M, et al. **Arch Neurol** 1984 May;41(5):531–5
Angioimmunoblastic lymphadenopathy associated with large–muscle arteritis. Warlow R, et al. **Hum Pathol** 1984 May;15(5):486–90
Chronic coronary periarteritis in two patients with chronic periaortitis. Mitchinson MJ, et al. **J Clin Pathol** 1984 Jan; 37(1):32–6
An autopsied case of a two–month–old infant with granulomatous pancarditis having severe vasculitis and valvulitis. Kawai S, et al. **Jpn Circ J** 1983 Nov; 47(11):1325–30
[Tarsal tunnel syndrome caused by granulomatous arteritis of an artery supplying the posterior tibial nerve. Apropos of a case] Augereau B, et al. **J Chir (Paris)** 1984 Jan; 121(1):23–4 (Eng. Abstr.) **(Fre)**
[Polymyalgia rheumatica and giant cell arteritis, clinical and histopathological study of three cases] Di Giacomo V, et al. **G Ital Cardiol** 1983;13(5):380–4 (Eng. Abstr.) **(Ita)**
[Isolated aneurysm of the external iliac artery caused by non–specific angiitis] Usui Y, et al. **Nippon Geka Gakkai Zasshi** 1983 Dec;84(12):1291–5 (Eng. Abstr.) **(Jpn)**
[Subacute ascending polyneuropathy (Guillain–Barré syndrome) as a presenting form of panarteritis nodosa. Apropos of 2 cases with necropsy study] Combarros O, et al. **Rev Clin Esp** 1984 Jan 31;172(2):119–21 **(Spa)**

DIAGNOSIS

Unusual Takayasu's arteritis: case report. Camici M, et al. **Angiology** 1984 Feb;35(2):104–9
Prognostic significance of renal angiitis in systemic lupus erythematosus (SLE). Bhuyan UN, et al. **Clin Nephrol** 1983 Sep;20(3):109–13
Arteritis, rifampicin and hypereosinophilia in a Maori woman [letter] Reddy J, et al. **NZ Med J** 1984 Aug 8;97(761):540–1
Bilateral retinal arteritis with multiple aneurysmal dilatations. Kincaid J, et al. **Retina** 1983;3(3):171–8
[From Buerger–type arteritis to classic Buerger's disease. Apropos of a case followed for a 10–year period] Langeron P. **LARC Med** 1983 Apr;3(4):211–2, 215–6, 219–20 (Eng. Abstr.) **(Fre)**
[Giant cell arteritis: temporal arteritis, rheumatic polymyalgia] Ayensa C, et al. **Rev Med Univ Navarra** 1983 Sep;27(3):47–50 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Hereditary angioedema and coronary arteritis. Harrington TM, et al. **Am J Med Sci** 1984 Jan–Feb;287(1):50–2
Septic arteritis complicating salmonellosis. Winocour PH, et al. **Br Med J [Clin Res]** 1983 Oct 1;287(6397):972–3
Transient massive eosinophilia with arteritis in young stroke. Dhanaraj M, et al. **J Assoc Physicians India** 1984 Mar; 32(3):298–9
Enhanced neutrophilic functions in mucocutaneous lymph node syndrome, with special reference to the possible role of increased oxygen intermediate generation in the pathogenesis of coronary thromboarteritis. Niwa Y, et al. **J Pediatr** 1984 Jan;104(1):56–60
Neuroradiologic picture of cerebral vasculitis in rheumatoid arthritis. Paci R, et al. **Neuroradiology** 1983;25(5):343–5
[Cerebral arteritis due to leptospirosis] Cai Z. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1983 Dec; 16(6):356–8 (Eng. Abstr.) **(Chi)**
[2 cases of intracerebral arteritis, a rare complication of acute bacterial meningitis] Maurette P, et al. **Agressologie** 1983 Apr;24(5):191–2 (Eng. Abstr.) **(Fre)**
[Radiation arteriopathies] Bigot JM, et al. **Ann Med Interne (Paris)** 1983;134(5):411–5 (Eng. Abstr.) **(Fre)**
[True and false radiation arteritis] Mellière D, et al. **J Mal Vasc** 1983;8(4):321–7 (Eng. Abstr.) **(Fre)**
[Ulcero–hemorrhagic rectocolitis. Possible manifestation, angiitis of the central nervous system (letter)] Friol–Vercelletto M, et al. **Presse Med** 1984 May 5; 13(19):1218 **(Fre)**
[Vessels and heart in rheumatoid arthritis] Cervini C. **Clin Ter** 1984 Jan 15;108(1):3–9 (Eng. Abstr.) **(Ita)**

MICROBIOLOGY

[Infectious arteriopathies] Bastin R, et al. **Ann Med Interne (Paris)** 1983;134(5):475–8 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Leptospiral cerebral arteritis: report of 4 autopsy cases. Gong YH. **Acta Acad Med Wuhan** 1984;4(1):44–9
Ultrastructural study of peripheral nerve in arteritic diabetic patients. Vital C, et al. **Acta Neuropathol (Berl)** 1983; 61(3–4):225–31
Granulomatous coronary arteritis. Payan HM, et al. **Arch Pathol Lab Med** 1984 Feb;108(2):136–7
Upper gastrointestinal endoscopy in systemic vasculitis presenting as an acute abdomen. Shepherd HA, et al. **Endoscopy** 1983 Sep;15(5):307–11
SEM study of Strongylus vulgaris larva–induced arteritis in the pony. White NA, et al. **Equine Vet J** 1983 Oct; 15(4):349–53
[Atherosclerosis and inflammation: therapeutic perspectives?] Jouve R. **Rev Med Interne** 1984 Mar;5(1):17–20 **(Fre)**
[Kawasaki disease: pathological features and sequelae of arteritis] Tanaka N, et al. **Nippon Rinsho** 1983 Sep; 41(9):2008–16 **(Jpn)**
[Pathology of arteritis] Kyogoku M. **Ryumachi** 1983 Dec; 23(6):392–5 **(Jpn)**

PHYSIOPATHOLOGY

[Calculation of the regional perfusion index by transcutaneous oximetry in arteritis of the lower limbs (letter)] Gaucher L, et al. **Presse Med** 1984 Jul 14–21; 13(29):1790 **(Fre)**
[Transcutaneous measurement of oxygen partial pressure. A new method for functional study in vascular pathology] Vayssairat M, et al. **Presse Med** 1984 Jun 30;13(27):1683–6 (Eng. Abstr.) **(Fre)**
[Circulation in the extremities in occlusion of the major vessels] Sergeeva KA, et al. **Klin Med (Mosk)** 1984 Jun; 62(6):85–8 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

[Aorto–arteriography of the lower limbs using a weakly–hyperosmolar contrast medium with and without general anesthesia] Delcour C, et al. **J Belge Radiol** 1983; 66(5):379–81 **(Fre)**

SURGERY

Priority of revascularization in patients with graft enteric fistulas, infected arteries, or infected arterial prostheses. Trout HH 3d, et al. **Ann Surg** 1984 Jun;199(6):669–83
[Surgical treatment of combined occlusions of the aortoiliac and femoropopliteal segments] Kariakin AM, et al. **Vestn Khir** 1984 Jul;132(7):16–20 (Eng. Abstr.) **(Rus)**
[Surgical treatment of combined lesions of the proximal aortic arch using extrathoracic methods] Pokrovskiĭ AV, et al. **Vestn Khir** 1984 Jul;132(7):3–10 (Eng. Abstr.) **(Rus)**

THERAPY

[Cryoanalgesia of the nerves of the feet in distal arteritis in the elderly] Milleret R. **J Mal Vasc** 1983;8(4):307–10 (Eng. Abstr.) **(Fre)**
[New approach to the treatment of arteritis using a combination of drugs and hypervolemia with clinical and biological monitoring] Gicquiau N. **Phlebologie** 1983 Jul–Sep;36(3):219–29 (Eng. Abstr.) **(Fre)**

VETERINARY

SEM study of Strongylus vulgaris larva–induced arteritis in the pony. White NA, et al. **Equine Vet J** 1983 Oct; 15(4):349–53

ARTERITIS, TEMPORAL see **TEMPORAL ARTERITIS**

ARTHRITIS

Scientific abstracts: 48th annual meeting, American Rheumatism Association; 18th annual meeting, Arthritis Health Professions Association. June 5–9, 1984, Minneapolis, Minnesota. **Arthritis Rheum** 1984 Apr;27(4 Suppl):S1–135
Misuse of statistical methods in Arthritis and Rheumatism. 1982 versus 1967–68. Felson DT, et al. **Arthritis Rheum** 1984 Sep;27(9):1018–22
Evolution of the psoriatic arthritis concept and its relationship to the spondarthritides. Moll JM. **Clin Rheumatol** 1982 Sep;1(3):157–67 (74 ref.)
The perioperative management of the gouty patient. Roper RB, et al. **J Am Podiatry Assoc** 1984 Apr;74(4):168–72
Belief systems—patient and physician views of arthritis and its treatment [editorial] Chalmers A. **J Rheumatol** 1984 Feb; 11(1):1–2
Converging and diverging beliefs about arthritis: Caucasian patients, Spanish speaking patients, and physicians. Lorig KR, et al. **J Rheumatol** 1984 Feb;11(1):76–9
Models of arthritis and the search for anti–arthritic drugs. Billingham ME. **Pharmacol Ther** 1983;21(3):389–428 (120 ref.)
Symposium on rheumatic diseases. **Primary Care** 1984 Jun; 11(2):199–392
The relationship between arthritic adults and furniture usage: a study. Wade CS, et al. **Rehabil Lit** 1984 Mar–Apr; 45(3–4):80–4

BLOOD

Plasma fibronectin in psoriatic arthritis subgroups. Cutolo M, et al. **Clin Rheumatol** 1984 Jun;3(2):129–36
Supportive laboratory findings in psoriatic arthritis. Oriente P, et al. **Clin Rheumatol** 1984 Jun;3(2):189–93
[Hypercupremia: a marker of articular phlogosis?] Scarpa R, et al. **Boll Soc Ital Biol Sper** 1984 Mar 30;60(3):633–9 (Eng. Abstr.) **(Ita)**
[Adjuvant arthritis in rats. Clinical aspects, morphological and biochemical changes in the blood and histopathological changes in the internal organs] Mikolajew M, et al.

Reumatologia 1983;21(3–4):231–45 (Eng. Abstr.) (Pol)

CHEMICALLY INDUCED

Effect of gold salts, D-penicillamine and benoxaprofen on type II collagen–induced arthritis in rats. Lewis AJ, et al. Agents Actions 1984 Jun;14(5–6):707–14

Gold exacerbates adjuvant arthritis in the rat [letter] Haskard DO, et al. Ann Rheum Dis 1984 Apr;43(2):350–1

Acute psoriatric arthropathy precipitated by oxprenolol. Macfarlane DG, et al. Ann Rheum Dis 1984 Feb;43(1):102–4

Acute arthritis during isotretinoin treatment for acne. Matsuoka LY, et al. Arch Intern Med 1984 Sep; 144(9):1870–1

Susceptibility and resistance to 6-sulfanilamidoindazole–induced arthritis among inbred strains of rats. Samuelson CO Jr, et al. Arthritis Rheum 1984 Jun;27(6):689–93

Infection with Mycoplasma pulmonis modulates adjuvant– and collagen–induced arthritis in Lewis rats. Taurog JD, et al. Arthritis Rheum 1984 Aug;27(8):943–6

Arthropathy induced by beta blockade. Savola J. Br Med J [Clin Res] 1983 Oct 29;287(6401):1256–7

Arthritis associated with lithium toxicity: case report. Black DW, et al. J Clin Psychiatry 1984 Mar;45(3):135–6

Hypervitaminosis A toxicity and gout [letter] Mawson AR. Lancet 1984 May 26;1(8387):1181

Carrageenin–induced arthritis: V. A morphologic study of the development of inflammation in acute arthritis. Santer V, et al. Semin Arthritis Rheum 1983 Nov;13(2):160–8

COMPLICATIONS

Skeletal lesions in palmar–plantar pustulosis. Nilsson BE, et al. Acta Orthop Scand 1984 Jun;55(3):366–70

Acute erosive reactive arthritis associated with Campylobacter jejuni–induced colitis. Ebright JR, et al. Am J Med 1984 Feb;76(2):321–3

Arthritis and angioimmunoblastic lymphadenopathy. Davies PG, et al. Ann Rheum Dis 1983 Oct;42(5):516–8

Non–gouty arthritis in sickle cell disease: report of 37 consecutive cases. de Ceulaer K, et al. Ann Rheum Dis 1984 Aug;43(4):599–603

Arthritis and angioimmunoblastic lymphadenopathy [letter] Duró JC. Ann Rheum Dis 1984 Jun;43(3):536–7

Hashimoto's thyroiditis and polyarthritis: a possible subset of seronegative polyarthritis. LeRiche NG, et al. Ann Rheum Dis 1984 Aug;43(4):594–8

Musculoskeletal disorders in patients with hyperlipidaemia. Struthers GR, et al. Ann Rheum Dis 1983 Oct;42(5):519–23

The arthritis of Behçet's disease: a prospective study. Yurdakul S, et al. Ann Rheum Dis 1983 Oct;42(5):505–15

Arthritis in cystic fibrosis. Schidlow DV, et al. Arch Dis Child 1984 Apr;59(4):377–9

Bowel–associated dermatosis–arthritis syndrome. Immune complex–mediated vessel damage and increased neutrophil migration. Jorizzo JL, et al. Arch Intern Med 1984 Apr; 144(4):738–40

Case discussion related to the report by Sigal et al: Symmetric polyarthritis associated with heterophile–negative infectious mononucleosis [letter] McMahon JM. Arthritis Rheum 1984 Feb;27(2):240

Cutaneous polyarteritis nodosa associated with rapidly progressive arthritis. Mekori YA, et al. Arthritis Rheum 1984 May;27(5):574–8

Acne fulminans—report of a case with polyarthritis. Statham BN, et al. Clin Exp Dermatol 1983 Jul;8(4):401–4

Arthritis associated with bowel disease. Neumann V, et al. Clin Gastroenterol 1983 Sep;12(3):767–95

Psoriasis and gout: report of 4 cases. Bosmansky K, et al. Clin Rheumatol 1983 Dec;2(4):423–6

Psoriatic myopathy. Chase WF, et al. Int J Dermatol 1984 Jun;23(5):337–8

Erosive arthritis of the temporomandibular joint in Reiter's syndrome [letter] Bomalaski JS, et al. J Rheumatol 1984 Jun;11(3):400–2

Psoriatic arthritis and myasthenia gravis. Brand CA, et al. J Rheumatol 1984 Apr;11(2):244

Ileal inflammation in B27–positive reactive arthritis [letter] Mielants H, et al. Lancet 1984 May 12;1(8385):1072

Inflammation of the ileum in patients with B27–positive arthritis [letter] Woodrow JC, et al. Lancet 1984 Mar 10; 1(8376):571–2

Systemic lupus erythematosus III: nonrenal manifestations I. Zimiaski CM. Md State Med J 1983 Sep;32(9):699–701

Reiter's syndrome and reactive arthritis [letter] N Engl J Med 1984 Jun 7;310(23):1538–40

Rheumatoid factor–negative arthritis, especially ankylosing spondylitis, and infections of the male urogenital tract. Schiefer HG, et al. Zentralbl Bakteriol Mikrobiol Hyg [A] 1983 Nov; 255(4):511–7

[Collagenous colitis. Association with chronic inflammatory arthropathy (letter)] Maroy B, et al. Presse Med 1984 Jun 9;13(24):1516 (Fre)

[Ankylosing spondylitis with and without peripheral joint involvement. The significance of HLA–DR4 in the diagnosis, disease risk and pathogenesis] Miehle W, et al. Fortschr Med 1984 Jun 7;102(21):581–5 (Eng. Abstr.) (Ger)

[Radiology of osteoarthropathia psoriatica] Ellegast HH, et al. Rontgenpraxis 1984 Mar;37(3):75–82 (Ger)

[Cutaneous electrostimulation in the treatment of pain. Clinical study in cervical arthrosis] Uleri G. Acta Biomed Ateneo Parmense 1983;54 Suppl 1:47–56 (Ita)

[Clinico–statistical study in patients with an arthrosis–osteoporosis picture in its painful stage treated with synthetic salmon calcitonin] De Pascalis MA, et al. Clin Ter 1983 Nov 15;107(3):177–84 (Eng. Abstr.) (Ita)

[Juvenile podagra with renal lesions] Balkarov IM, et al. Ter Arkh 1983;55(10):113–5 (12 ref.) (Eng. Abstr.) (Rus)

[Arthritis in patients with gout and renal colic] Vukotić D, et al. Reumatizam 1983;30(4):86–92 (Eng. Abstr.) (Ser)

[Antinuclear antibodies in a case of linear scleroderma with polyarthritis (letter)] Marquet R, et al. Med Clin (Barc) 1983 Nov 12;81(15):693 (Spa)

[The man behind the syndrome: Augustus Roi Felty. He has found the unusual constellation: Arthritis, splenomegaly, leukopenia] Hedfors E. Lakartidningen 1983 Sep 14; 80(37):3281 (Swe)

DIAGNOSIS

Persistent yet reversible asymmetric pauciarthritis (PRAP): a B27–associated cluster. Bitter T, et al. Ann Rheum Dis 1979;38 Suppl 1:suppl 84–91

Psoriatic arthropathy and seronegative rheumatoid arthritis with psoriasis: distinguishing features from Reiter's syndrome. Wright V. Ann Rheum Dis 1979;38 Suppl 1:suppl 59–67

Articular hypermobility simulating chronic rheumatic disease. Lewkonia RM, et al. Arch Dis Child 1983 Dec; 58(12):988–92

Seronegative arthritis. Edmonds J. Aust Fam Physician 1983 Jul;12(7):Suppl 11–5

Prognostic factors in palindromic rheumatism. Grattan CE, et al. Bristol Med Chir J 1984 Apr;99(370):51–4

Correlation of HLA B27 with radiographic abnormalities of the sacroiliac joints and with other stigmata of ankylosing spondylitis. Hollingsworth PN, et al. Clin Rheum Dis 1983 Aug;9(2):307–22

Rheumatoid type of psoriatic arthritis. Trnavsky K, et al. Clin Rheumatol 1983 Jun;2(2):133–7

The diagnosis and management of gouty arthritis. Edwards NL. Compr Ther 1983 Sep;9(9):14–9

Medical grand rounds: a patient with hypothalamic hypogonadism, liver disease, and arthralgias. Hayes DS, et al. Del Med J 1984 Mar;56(3):147–52

A comparative evaluation of thermography and scintigraphy in the assessment of sacroiliitis. Bennett RJ, et al. Int J Nucl Med Biol 1984;11(1):42–5

Transient arthritis of the hip in children (a study of 74 cases). Vidigal EC. Ital J Orthop Traumatol 1984 Jun;10(2):237–41

Recurrent episodes of arthritis in thalassemia minor. Gerster JC, et al. J Rheumatol 1984 Jun;11(3):352–4

Knee arthropathy in ochronosis: diagnosis by arthroscopy with ultrastructural features. Lurie DP, et al. J Rheumatol 1984 Feb;11(1):101–3

Bowel–associated dermatosis–arthritis syndrome: bowel bypass syndrome without bowel bypass. Dicken CH. Mayo Clin Proc 1984 Jan;59(1):43–6

The use of the McGill Pain Questionnaire in assessing arthritis pain. Burckhardt CS. Pain 1984 Jul;19(3):305–14

The approach to the acute joint and synovial fluid examination. Kolba KS. Primary Care 1984 Jun;11(2):211–8

Ankylosing spondylitis, Reiter's syndrome, psoriatic arthritis, and arthritis of inflammatory bowel disease. Miller MM. Primary Care 1984 Jun;11(2):271–82

Psoriasis and arthritis. II. A cross–sectional comparative study of patients with 'psoriatic arthritis' and seronegative and seropositive polyarthritis: clinical aspects. van Romunde LK, et al. Rheumatol Int 1984;4(2):61–5

Poncet's disease. A case report. Benatar A, et al. S Afr Med J 1984 Jun 9;65(23):930–1

Long–term prognosis of monoarthritis. A follow–up study. Kaarela K, et al. Scand J Rheumatol 1983;12(4):374–6

Diversity of clinical features in gouty arthritis. Yu TF. Semin Arthritis Rheum 1984 May;13(4):360–8

Reflex sympathetic dystrophy syndrome in children. Blau EB. Wis Med J 1984 Apr;83(4):34–5

[Reactive arthritis, a renewal of infectious arthritis or borderline ankylosing spondylitis] Amor B, et al. Presse Med 1984 Jul 7;13(28):1719–22 (Fre)

[Our experience with the determination of serum and synovial beta 2 microglobulin in rheumatology] Brousse A, et al. Rev Rhum Mal Osteoartic 1984 Jan;51(1):25–7 (Fre)

[Arthritis associated with Coxsackie B virus infections] Lucht F, et al. Rev Rhum Mal Osteoartic 1984 Mar;51(3):153–5 (Fre)

[Whipple's disease and arthritis (letter)] Krüger K. Dtsch Med Wochenschr 1984 Jul 27;109(30): 1176 (Ger)

[Whipple's disease: an important differential diagnosis in polyarthritis and fever] Schmidt RE, et al. Dtsch Med Wochenschr 1984 Jun 8;109(23):906–9 (Eng. Abstr.) (Ger)

[Liquid crystal thermography of the hands in comparison to roentgen diagnosis, clinical aspects and capillary microscopy in arthritis psoriatica] Loreck D, et al. Radiol Diagn (Berl) 1983;24(6):783–98 (Eng. Abstr.) (Ger)

[Oligoarthritic joint symptoms of the hands in metastasizing bronchial carcinoma] Dunky A. Wien Klin Wochenschr 1983 Dec 23;95(24):889–94 (Eng. Abstr.) (Ger)

[Psoriasis arthropathica and seronegative rheumatoid arthritis—differential diagnostic considerations] Schulze P, et al. Z Gesamte Inn Med 1984 Jun 1;39(11):253–7 (Eng. Abstr.) (Ger)

[Arthritis manubriosternalis] Nowak C. Wiad Lek 1983 Nov 15;36(22):1909–11 (Eng. Abstr.) (Pol)

[Various characteristics of the clinical course of erysipeloid: present–day features] Gerasimenko IV, et al. Klin Med (Mosk) 1983 Aug;61(8):112–5 (Eng. Abstr.) (Rus)

[Clinical picture of Jaccoud's chronic postrheumatic arthritis] Krivitskaia RG, et al. Klin Med (Mosk) 1984 Apr; 62(4):107–8 (Rus)

[Hematogenous osteomyelitis mimicking rheumatic diseases] Shmidt EI. Revmatologiia (Moskva) 1983 Oct–Dec;(4):64–5 (Rus)

[Sacroiliitis in men with systemic lupus erythematosus] Alekberova ZS, et al. Ter Arkh 1984;56(5):33–6 (Eng. Abstr.) (Rus)

[Study of the Hench–Rosenberg syndrome] Danilov LN. Reumatizam 1983;30(4):93–4 (Eng. Abstr.) (Ser)

[Chronic non–specific monoarthritis and its derivatives] Hüttl S, et al. Bratisl Lek Listy 1983 Oct;80(4):432–46 (Eng. Abstr.) (Slo)

DRUG THERAPY

Prolonged treatment with D-penicillamine: effects on adjuvant arthritis in the rat. Dunn CJ, et al. Agents Actions 1984 Feb;14(2):269–73

Effect of etodolac on articular and bone pathology associated with adjuvant arthritis in rats: a comparison with aspirin and naproxen. Martel RR, et al. Agents Actions 1984 Feb; 14(2):257–64

Pathophysiology and treatment of asthma and arthritis. Symposium held at Erasmus University, Rotterdam, October 14–15, 1982 to celebrate the 60th birthday of Prof. Dr. I.L. Bonta. Agents Actions [Suppl] 1984;14:1–259

Oxipurinol therapy in allopurinol–allergic patients. Earll JM, et al. Am Fam Physician 1983 Nov;28(5):147–8

Opportunities for healing. Carlin HS. Am Pharm 1984 Jul; NS24(7):48–51

Treating arthritis with nonsteroidals. Gurwich E. Am Pharm 1984 Jul;NS24(7):86–9

Effects of antiarthritic compounds on type II collagen–induced arthritis in rats. Probert AW Jr, et al. Arch Int Pharmacodyn Ther 1984 May;269(1):167–76

Randomized, double–blind, placebo controlled trial of low–dose pulse methotrexate in psoriatic arthritis. Willkens RF, et al. Arthritis Rheum 1984 Apr;27(4):376–81

The use of corticosteroids encapsulated in erythrocytes in the treatment of adjuvant induced arthritis in the rat. Pitt E, et al. Biochem Pharmacol 1983 Nov 15;32(22):3355–8

Clinical evaluation of two strategies for improving patient recall of prior drug therapy. Bellamy N, et al. Br J Clin Pharmacol 1984 Jun;17(6):769–72

Psoriatic arthritis. Bird HA, et al. Clin Rheum Dis 1983 Dec; 9(3):671–80

Longterm experience with oral gold in rheumatoid arthritis and psoriatic arthritis. Dequeker J, et al. Clin Rheumatol 1984 Mar;3 Suppl 1:67–74

A clinical evaluation of the antiarthritic agents. Bhalla AK, et al. Compr Ther 1984 Aug;10(8):40–50

Treatment of psoriasis with N–phosphonacetyl–L–aspartate. Doyle JA, et al. J Am Acad Dermatol 1984 Jan;10(1):21–4

Problems of antiarthritic therapy in the elderly. Brooks PM, et al. J Am Geriatr Soc 1984 Mar;32(3):229–34 (69 ref.)

Paradoxical effects of cyclosporin A on collagen arthritis in rats. Kaibara N, et al. J Exp Med 1983 Dec 1; 158(6):2007–15

Clinical trial of pirprofen in arthrosis of the knee joint: a double–blind comparison with indomethacin. Diverse P, et al. J Int Med Res 1983;11(4):218–21

Substituted (2–phenoxyphenyl)acetic acids with antiinflammatory activity. 2. Atkinson DC, et al. J Med Chem 1983 Oct;26(10):1361–4

Emergency treatment of acute inflammation of the temporomandibular joint. Friedman MH, et al. J Prosthet Dent 1983 Dec;50(6):827–9

Dimethyl sulfoxide does not suppress an experimental model of arthritis in rabbits. Bennett RM, et al. J Rheumatol 1983 Aug;10(4):533–8

Use of tetracycline for the arthritis of jejunoileal bypass [letter] Fuxench–Chiesa Z, et al. J Rheumatol 1984 Apr; 11(2):247–8

Antimalarials in psoriatic arthritis [letter] Trnavský K, et al. J Rheumatol 1983 Oct;10(5):833–4

Inhibition of electrically–induced vocalization in adjuvant arthritic rats as a novel method for evaluating analgesic drugs. Okuyama S, et al. Jpn J Pharmacol 1984 Jan; 34(1):67–77

The mode of action of analgesic drugs in adjuvant arthritic rats as an experimental model of chronic inflammatory pain: possible central analgesic action of acidic nonsteroidal antiinflammatory drugs. Okuyama S, et al. Jpn J Pharmacol 1984 Jun;35(2):95–103

Anti–rheumatic agents and leucocyte migration. West GB. Monogr Allergy 1983;18:236–7

Drugs for treating arthritis. Hollander JL. Penn Med 1983 Dec;86(12):52–4

Effect of 5–2',5'–dimethyl–phenyl–6–oxa–1–azabicyclo[3,3,0]octane on adjuvant induced disease. Hadjipetrou–Kourounakis L, et al. Pharm Acta Helv 1983;58(9–10):256–8

Effect of borjatriol on established adjuvant arthritis. Villar

A, et al. **Pharmazie** 1983 Aug;38(8):566

The controversy over zinc sulphate efficacy in rheumatoid and psoriatic arthritis [letter] Cimmino MA, et al. **Scand J Rheumatol** 1984;13(2):191–2

[Benoxaprofen. A review of effects and side-effects in the treatment of rheumatoid arthritis and other joint diseases] Elling H, et al. **Ugeskr Laeger** 1984 Feb 27;146(9):660–2 (Eng. Abstr.) (Dan)

[Double-blind comparative study of slow-release ketoprofen and a placebo in chronic inflammatory rheumatism] Harrewyn JM, et al. **Sem Hop Paris** 1983 Dec 12; 59(46):3225–8 (Eng. Abstr.) (Fre)

[Therapy of activated gonarthrosis with etofenamate cream (Rheumon cream)] Gross W. **Fortschr Med** 1983 Nov 17; 101(43):1995–8 (Eng. Abstr.) (Ger)

[Therapy of gonarthrosis using chondroprotective substances. Prospective comparative study of glucosamine sulphate and glycosaminoglycan polysulphate] Hehne HJ, et al. **Fortschr Med** 1984 Jun 28;102(24):676–82 (Eng. Abstr.) (Ger)

[Conservative therapy of activated gonarthrosis. Double-blind study of proglumetacine and piroxicam] Puhl W, et al. **Fortschr Med** 1984 Jun 21;102(23):653–6 (Eng. Abstr.) (Ger)

[Intra-articular therapy with superoxide dismutase (orgotein) or cortisone in rheumatoid and arthritic inflammatory finger joint lesions] Talke M. **Handchir Mikrochir Plast Chir** 1984 Mar;16(1):59–63 (Eng. Abstr.) (Ger)

[Efficacy and tolerance of isoxicam in outpatients with gonarthrosis and coxarthrosis. Comparison with another non-steroid antirheumatic agent] Hiebsch HJ, et al. **Med Welt** 1983 Nov 11;34(45):1286–9 (Ger)

[Multicenter study of Felden 20 suppositories in 3887 patients] von Criegern T. **Med Welt** 1983 Nov 11; 34(45):1290–3 (Ger)

[Ultrastructural study of the activity of antiarthritic substances] Annefeld M, et al. **Z Rheumatol** 1983 Jul–Aug; 42(4):199–202 (Ger)

[Ultrastructural studies of the protective effect of GAG peptide complex-containing cartilage substance in experimentally damaged chicken cartilage] Annefeld M, et al. **Z Rheumatol** 1983 Jul–Aug;42(4):185–6 (Ger)

[Histologic studies of the effect of superoxide dismutase on an arthrosis model in rabbits] Gialamas J, et al. **Z Rheumatol** 1984 May–Jun;43(3):142–7 (Eng. Abstr.) (Ger)

[Evaluation of the effect of analgesics/antiphlogistics on the progression of spontaneous arthrosis in the C57 black mouse] Maier R, et al. **Z Rheumatol** 1983 Jul–Aug; 42(4):232–4 (Ger)

[Experimental animal model for assaying cartilage-protective substances] Weseloh G, et al. **Z Rheumatol** 1983 Jul–Aug; 42(4):206–9 (Ger)

[Test of potential antiarthritic drugs on spontaneous arthritis of mice] Wilhelmi G, et al. **Z Rheumatol** 1983 Jul–Aug; 42(4):203–5 (Ger)

[Action of piroxicam on allergic inflammation] Abe N, et al. **Nippon Yakurigaku Zasshi** 1983 May;81(5):431–40 (Eng. Abstr.) (Jpn)

[Anti-inflammatory effect of Cu-Zn superoxide dismutase on carrageenin-induced arthritis in rabbits] Ohno H, et al. **Nippon Yakurigaku Zasshi** 1983 Nov;82(5):375–81 (Eng. Abstr.) (Jpn)

[Pharmacological study on 'saiko-prescriptions' (3). Actions on experimental inflammation in rats] Kato M, et al. **Yakugaku Zasshi** 1983 Apr;103(4):466–72 (Eng. Abstr.) (Jpn)

[Felden (piroxicam) in arthroses. A post-marketing study] Brath HK, et al. **Tidsskr Nor Laegeforen** 1983 Sep 20; 103(26):1827–30 (Nor)

[Clinical evaluation of Profenid] Gburek Z. **Reumatologia** 1982;20(3–4):225–9 (Pol)

[Relation between the prolongation of the anti-inflammatory activity of liposome-encapsulated hydrocortisone and liposome composition in experimental arthritis] Davidenkova EF, et al. **Biull Eksp Biol Med** 1984 Jun; 97(6):656–8 (Eng. Abstr.) (Rus)

[Pharmacotherapy of psoriatic arthritis] Trnavski K, et al. **Revmatologiia (Moskva)** 1983 Apr–Jun;(2):56–7 (Eng. Abstr.) (Rus)

[Treatment of arthropathic psoriasis patients] Beliaev GM, et al. **Vestn Dermatol Venerol** 1984 Mar;(3):41–4 (Eng. Abstr.) (Rus)

[Local immunoreactive therapy of psoriatic arthritis] Nikulin NK. **Vestn Dermatol Venerol** 1983 Jul;(7):46–50 (Eng. Abstr.) (Rus)

ECONOMICS

Feasibility of willingness-to-pay measurement in chronic arthritis. Thompson MS, et al. **Med Decis Making** 1984; 4(2):195–215

ENZYMOLOGY

Collagenase and elastase in the serum of adjuvant arthritic rats. Al-Haik N, et al. **Agents Actions** 1984 Jun; 14(5–6):688–93

Synovial protease/inhibitor ratios in erosive and nonerosive arthropathies. Pritchard MH. **Ann Rheum Dis** 1984 Feb; 43(1):50–5

Increase in the activity of lysosomal acid hydrolases in the chondrocytes of arthritic joints of rabbits with experimental allergic arthritis. Henderson B. **Histochem J** 1984 Mar; 16(3):287–93

[Inhibition of the cytochrome P-450-dependent monooxygenase system of the liver in rats with adjuvant arthritis] Kovalev IE, et al. **Patol Fiziol Eksp Ter** 1983 Jul–Aug;(4):29–31 (Eng. Abstr.) (Rus)

ETIOLOGY

Bowel bypass arthritis dermatitis syndrome: a histological and electron microscopical study. Sandbank M, et al. **Acta Derm Venereol (Stockh)** 1984;64(1):79–82

HLA-B27-negative arthritis related to Campylobacter jejuni enteritis in three children and two adults. Johnsen K, et al. **Acta Med Scand** 1983;214(2):165–8

Juvenile gouty arthritis. Two cases associated with mild renal insufficiency. Yarom A, et al. **Am J Dis Child** 1984 Oct; 138(10):955–7

Arthritis of hemochromatosis. Clinical spectrum, relation to histocompatibility antigens, and effectiveness of early phlebotomy. Askari AD, et al. **Am J Med** 1983 Dec; 75(6):957–65

A seronegative arthropathy and Escherichia coli diarrhea [letter] Kennedy DJ, et al. **Ann Intern Med** 1984 Jul; 101(1):147–8

Jejuno-ileal bypass arthropathy: its clinical features and associations. Delamere JP, et al. **Ann Rheum Dis** 1983 Oct; 42(5):553–7

Arthritis of the middle ear in ankylosing spondylitis. Magarò M, et al. **Ann Rheum Dis** 1984 Aug;43(4):658–9

1 Alpha 2 alpha 3 alpha collagen is arthritogenic. Morgan K, et al. **Ann Rheum Dis** 1983 Dec;42(6):680–3

Experimental arthritis induced by intraarticular injection of allogenic cartilaginous particles into rabbit knees. Evans CH, et al. **Arthritis Rheum** 1984 Feb;27(2):200–7

Granulomatous arthritis in Crohn's disease. Al-Hadidi S, et al. **Arthritis Rheum** 1984 Sep;27(9):1061–2

Polyarthritis in rats following the systemic injection of Lactobacillus casei cell walls in aqueous suspension. Lehman TJ, et al. **Arthritis Rheum** 1983 Oct;26(10):1259–65

Infection with Mycoplasma pulmonis modulates adjuvant- and collagen-induced arthritis in Lewis rats. Taurog JD, et al. **Arthritis Rheum** 1984 Aug;27(8):943–6

Lung abscess and reactive arthritis: rare complications of leptospirosis. Winter RJ, et al. **Br Med J [Clin Res]** 1984 Feb 11;288(6415):448–9

Reiter's syndrome and reactive arthritis. Amor B. **Clin Rheumatol** 1983 Dec;2(4):315–9

Carcinomatous monoarthritis. Kaklamanis P, et al. **Clin Rheumatol** 1984 Mar;3(1):81–4

Arthritis associated with salmonella infection. Swaak AJ, et al. **Clin Rheumatol** 1982 Dec;1(4):275–9

Sarcoidosis presenting with severe thrombocytopenia and arthritis. Swaak AJ, et al. **Clin Rheumatol** 1982 Sep; 1(3):212–5

Current concepts of arthritis. Moll JM. **Compr Ther** 1984 Aug;10(8):3–6

T lymphocyte lines induce autoimmune encephalomyelitis, delayed hypersensitivity and bystander encephalitis or arthritis. Holoshitz J, et al. **Eur J Immunol** 1984 Aug; 14(8):729–34

Unusual involvement of the feet in hemochromatosis. Baker ND, et al. **Foot Ankle** 1984 Jan–Feb;4(4):212–5

Chronic polyarthritis of toxoplasmic etiology [letter] Gemou V, et al. **Helv Paediatr Acta** 1983 Aug;38(3):295–6

Shrapnel-induced traumatic arthritis. A case report. Silverstein SB, et al. **J Am Podiatry Assoc** 1983 Aug; 73(8):418–20

Arthritis induced in rats by cloned T lymphocytes responsive to mycobacteria but not to collagen type II. Holoshitz J, et al. **J Clin Invest** 1984 Jan;73(1):211–5

Pathogenetic difference between collagen arthritis and adjuvant arthritis. Kaibara N, et al. **J Exp Med** 1984 May 1;159(5):1388–96

Frostbite arthritis of the foot. Annunziato EJ, et al. **J Foot Surg** 1984 Mar–Apr;23(2):116–20

Amyloidosis in Whipple's arthritis. Farr M, et al. **J R Soc Med** 1983 Nov;76(11):963–5

The risk of sacroiliitis in B27 positive persons: a reappraisal. LeClercq SA, et al. **J Rheumatol** 1984 Jun;11(3):327–9

A prospective analysis of the arthritis syndrome and immune function in jejunoileal bypass patients. Leff RD, et al. **J Rheumatol** 1983 Aug;10(4):612–8

Exacerbation of collagen arthritis by noise stress. Rogers MP, et al. **J Rheumatol** 1983 Aug;10(4):651–4

Arthritis in childhood sarcoidosis. Rosenberg AM, et al. **J Rheumatol** 1983 Dec;10(6):987–90

Prolonged arthritis, viraemia, hypogammaglobulinaemia, and failed seroconversion following rubella immunisation [letter] Tingle AJ, et al. **Lancet** 1984 Jun 30;1(8392):1475–6

Acute polyarthritis following the use of Corynebacterium parvum vaccine (Coparvax) for malignant pleural effusion. Lever AM, et al. **Postgrad Med J** 1983 Dec;59(698):799–800

Investigations into the induction of chronic experimental arthritis in the common marmoset (Callithrix jacchus). Hunneyball IM. **Rheumatol Int** 1983;3(2):69–74

Episodic arthritis, skin manifestations and immune complexes following intestinal by-pass operations for morbid obesity. Heyn J, et al. **Scand J Rheumatol** 1983;12(3):257–9

Optic neuritis and Jaccoud's syndrome in a patient with systemic lupus erythematosus. Mavrikakis M, et al. **Scand J Rheumatol** 1983;12(4):367–8

Severe erosive arthritis of large joints in chronic renal failure. Griffin CN Jr. **Skeletal Radiol** 1984;12(1):29–33

[Joint manifestations in sarcoidosis] Naveau B. **Ann Med Interne (Paris)** 1984;135(2):105–8 (Eng. Abstr.) (Fre)

[Eosinophil monoarthritis in allergic patients (letter)] Benhamou CL, et al. **Presse Med** 1984 Jan 14;13(1):44–5 (Fre)

[Gaucher's disease and B27-negative sacroiliitis (letter)] Dalphin JC, et al. **Presse Med** 1984 May 12;13(20):1278 (Fre)

[Polyarthritis in anisakiasis. 1st case (letter)] Fabresse FX, et al. **Presse Med** 1984 Apr 14;13(16):1004 (Fre)

[Acute monoarthritis after gastro-jejunal bypass for obesity (letter)] Glowinski J, et al. **Presse Med** 1983 Dec 24; 12(47):3001–2 (Fre)

[Aseptic arthritis after total knee prosthesis] Amor B, et al. **Rev Rhum Mal Osteoartic** 1983 Jul–Sep;50(8–9):589–94 (Eng. Abstr.) (Fre)

[Eosinophilic arthritis and general review of the significance of articular eosinophilia] Amor B, et al. **Rev Rhum Mal Osteoartic** 1983 Oct;50(10):659–64 (Eng. Abstr.) (Fre)

[Arthritis caused by sea urchin spine. Apropos of 2 new cases] Daupleix D, et al. **Rev Rhum Mal Osteoartic** 1984 Jun; 51(6):333–5 (Fre)

[The reactive arthritis syndrome. Rheumatological limits] Delcambre B, et al. **Rev Rhum Mal Osteoartic** 1983 Nov; 50(11):745–52 (Eng. Abstr.) (Fre)

[Monoarthritis symptomatic of adjacent bone tumors. Study of 5 cases] Delrieu F, et al. **Rev Rhum Mal Osteoartic** 1984 Mar;51(3):137–44 (Eng. Abstr.) (Fre)

[Clinical aspects of reactive arthritis caused by Chlamydia] Doury P, et al. **Rev Rhum Mal Osteoartic** 1983 Nov; 50(11):753–7 (Eng. Abstr.) (Fre)

[Eosinophilic articular effusions. Apropos of a case] Doury P, et al. **Rev Rhum Mal Osteoartic** 1984 Jan;51(1):29–31 (Fre)

[Reactive arthritis] Hubault A. **Rev Rhum Mal Osteoartic** 1983 Nov;50(11):711–2 (Fre)

[Destructive chronic arthritis of the knee caused by sarcoidosis with geodes of the long bones] Le Goff P, et al. **Rev Rhum Mal Osteoartic** 1982 Jul–Sep;49(8–9):647–52 (Fre)

[Reactive arthritis caused by non-Yersinia intestinal infections] Lemaire V. **Rev Rhum Mal Osteoartic** 1983 Nov; 50(11):759–61 (Eng. Abstr.) (Fre)

[Initial manifestations of chronic inflammatory rheumatism in children associated with the presence of HLA-B27 antigen] Prieur AM, et al. **Rev Rhum Mal Osteoartic** 1983 Dec;50(12):807–11 (Fre)

[Angioimmunoblastic lymphadenopathy disclosed by polyarthritis] Valat JP, et al. **Rev Rhum Mal Osteoartic** 1983 Jul–Sep;50(8–9):619–22 (Fre)

[Inflammatory arthritis and osteoarthritis in palmoplantar pustulosis. Case report and review of the literature] Manigand G, et al. **Sem Hop Paris** 1983 Sep 15; 59(32):2257–9 (Eng. Abstr.) (Fre)

[Etiologic and pathogenetic conceptions of arthrosis] Otte P. **Z Rheumatol** 1983 Jul–Aug;42(4):242–8 (34 ref.) (Ger)

[Reactive (postinfectious) arthritis. Some pathogenetic mechanisms] Dobloug JH. **Tidsskr Nor Laegeforen** 1983 Nov 30;103(33):2229–33 (Eng. Abstr.) (Nor)

[Arthritis in sarcoidosis] Gran JT, et al. **Tidsskr Nor Laegeforen** 1984 Jan 20;104(2):92–4 (Eng. Abstr.) (Nor)

[A model of polyarthritis in rats immunized with collagen] Woźniczko-Orlowska G, et al. **Reumatologia** 1983; 21(1):5–13 (Eng. Abstr.) (Pol)

[Traumatic arthritis of the wrist joint] Ashkenazi AI. **Khirurgiia (Mosk)** 1984 Jan;(1):58–62 (Eng. Abstr.) (Rus)

[Rare forms of joint diseases associated with arthritis] Nechvolodova OL, et al. **Revmatologiia (Moskva)** 1983 Oct–Dec;(4):61–4 (Rus)

[Purulent arthritis of the hip joint in patients with diabetes mellitus] Kashulin AM, et al. **Sov Med** 1983;(8):112–3 (Rus)

[Function of enzyme systems and circulating immunocytes and their significance in the immunopathogenesis of psoriatic arthritis] Nikulin NK, et al. **Vestn Dermatol Venerol** 1984 Feb;(2):7–12 (Eng. Abstr.) (Rus)

[Reactive arthritis] Vukotić D. **Reumatizam** 1983; 30(5–6):117–22 (Eng. Abstr.) (Scr)

[Polyarthritis of prolonged paraneoplastic development (letter)] Alijotas J, et al. **Med Clin (Barc)** 1983 Oct 8; 81(10):458–9 (Spa)

[Arthritis and mycosis fungoides, an unusual association. Report and commentary on a case] Vallina Alvarez E, et al. **Rev Clin Esp** 1984 Feb 29;172(4):235–6 (Spa)

FAMILIAL & GENETIC

Workshop II. Diagnosis of Reiter's syndrome among B27-associated and other seronegative spondarthropathies. Introduction. Arnett FC. **Ann Rheum Dis** 1979;38 Suppl 1:suppl 46–7

Epidemiology of B27-associated diseases. Masi AT. **Ann Rheum Dis** 1979;38 Suppl 1:suppl 131–4

Seronegative arthropathy and associated diseases—a multigenic syndrome? Møller P, et al. **Br J Rheumatol** 1983 Nov;22(4 Suppl 2):5–11

Genetic control of collagen-induced arthritis in rats: the immune response to type II collagen among susceptible and resistant strains and evidence for multiple gene control. Griffiths MM, et al. **J Immunol** 1984 Jun;132(6):2830–6

Acne fulminans with arthritis in identical twins treated with isotretinoin. Darley CR, et al. **J R Soc Med** 1984 Apr; 77(4):328–30

Psoriatic arthritis: risk factors for patients with psoriasis – a study based on histocompatibility antigen frequencies. Beaulieu AD, et al. **J Rheumatol** 1983 Aug;10(4):633–6

Psoriasis, peripheral arthritis, sacroiliitis and juvenile chronic arthritis: a family study in relation to segregation of HLA antigens. Marcusson JA, et al. **J Rheumatol** 1983 Aug; 10(4):619–23

Familial pericarditis, arthritis, and camptodactyly [letter] Goldman H, et al. **N Engl J Med** 1984 Jan 12;310(2):127–8

[Familial studies of reactive arthritis] Amor B. **Rev Rhum Mal Osteoartic** 1983 Nov;50(11):771–5 (Eng. Abstr.) **(Fre)**

HISTORY

Arthritis in Roman Britain. Thould AK, et al. **Br Med J [Clin Res]** 1983 Dec 24–31;287(6409):1909–11

The gout of Desiderius Erasmus and Willibald Pirckheimer: medical autobiography and its literary reflections. Benedek TG. **Bull Hist Med** 1983 Winter;57(4):526–44

IMMUNOLOGY

Effect of particle size of dried mycobacteria on adjuvant induced arthritis in the rat. Best R, et al. **Agents Actions** 1984 Feb;14(2):265–8

The absence of antibodies to type II collagen in established adjuvant arthritis in rats. DeLustro F, et al. **Agents Actions** 1984 Jun;14(5–6):673–9

Decreased T-suppressor cell activity in rats with adjuvant arthritis. Binderup L. **Ann Rheum Dis** 1983 Dec;42(6):693–8

Lymphocyte–macrophage co-operation during induction of T-suppressor cell activity in rats with adjuvant arthritis. Binderup L. **Ann Rheum Dis** 1983 Dec;42(6):687–92

Synovial synthesis of rheumatoid factors and immune complex constituents in early arthritis. Jones V, et al. **Ann Rheum Dis** 1984 Apr;43(2):235–9

Workshop IV. Aetiopathogenetic factors in Reiter's syndrome. Adjuvant disease: pathology and immune reactivity. Pearson CM, et al. **Ann Rheum Dis** 1979;38 Suppl 1:suppl 102–10

HLA B27 related 'unclassifiable' seronegative spondyloarthropathies. Prakash S, et al. **Ann Rheum Dis** 1983 Dec;42(6):640–3

Lactobacillus casei cell wall-induced arthritis in rats: cell wall fragment distribution and persistence in chronic arthritis–susceptible LEW/N and –resistant F344/N rats. Lehman TJ, et al. **Arthritis Rheum** 1984 Aug;27(8):939–42

Collagen-induced and adjuvant-induced arthritis in rats. Post-immunization treatment with collagen to suppress or abrogate the arthritic response. Phadke K, et al. **Arthritis Rheum** 1984 Jul;27(7):797–806

Serum transfer of collagen-induced arthritis. II. Identification and localization of autoantibody to type II collagen in donor and recipient rats. Stuart JM, et al. **Arthritis Rheum** 1983 Oct;26(10):1237–44

The pathogenesis of group A streptococcal cell wall–induced polyarthritis in the rat. Comparative studies in arthritis resistant and susceptible inbred rat strains. Wilder RL, et al. **Arthritis Rheum** 1983 Dec;26(12):1442–51

Type II collagen–induced arthritis in mice. II. Passive transfer and suppression by intravenous injection of anti–type II collagen antibody or free native type II collagen. Wooley PH, et al. **Arthritis Rheum** 1984 Sep; 27(9):1010–7

Pavlovian conditioning of immunosuppression modifies adjuvant arthritis in rats. Klosterhalfen W, et al. **Behav Neurosci** 1983 Aug;97(4):663–6

Frequency of HLA antigens in patients with psoriasis or psoriatic arthritis. McKendry RJ, et al. **Can Med Assoc J** 1984 Feb 15;130(4):411–5

Effect of antithymocyte serum on collagen arthritis in rats: evidence that T cells are involved in its pathogenesis. Brahn E, et al. **Cell Immunol** 1984 Jul;86(2):421–8

Suppression of type II collagen–induced arthritis by the intravenous administration of type II collagen or its constituent peptide alpha 1 (II) CB10. Englert ME, et al. **Cell Immunol** 1984 Sep;87(2):357–65

Antibody to streptococcal cell wall peptidoglycan–polysaccharide polymers in seropositive and seronegative rheumatic disease. Johnson PM, et al. **Clin Exp Immunol** 1984 Jan;55(1):115–24

Specificity of anti–type II collagen antibody response in rats. Kakimoto K, et al. **Clin Exp Immunol** 1984 Jul;57(1):57–62

Flare-up of antigen–induced arthritis in mice after challenge with intravenous antigen: effects of pre–treatment with cobra venom factor and anti–lymphocyte serum. Lens JW, et al. **Clin Exp Immunol** 1984 Sep;57(3):520–8

Flare-up of antigen–induced arthritis in mice after challenge with intravenous antigen: studies on the characteristics of and mechanisms involved in the reaction. Lens JW, et al. **Clin Exp Immunol** 1984 Feb;55(2):287–94

Cytokines and the chronic inflammation of rheumatic disease. I. The presence of interleukin–1 in synovial fluids. Nouri AM, et al. **Clin Exp Immunol** 1984 Feb;55(2):295–302

Antigen–specific suppression of collagen arthritis by adoptive transfer of spleen cells. Brahn E, et al. **Clin Immunol Immunopathol** 1984 Apr;31(1):124–31

Passive transfer of arthritis by purified anticollagen immunoglobulin: localization of 125I-labeled antibody. Kerwar SS, et al. **Clin Immunol Immunopathol** 1983 Nov; 29(2):318–21

Biphasic changes of the immunological reactivity in the course of experimental lectin–induced arthritis of rabbits. Bräuer R, et al. **Exp Pathol** 1983;24(2–3):117–31

IgG subclasses in collagen–induced arthritis in the rat. Firth SA, et al. **Immunol Lett** 1984;7(5):243–7

In vitro synthesis of anticollagen IgG by sensitized lymph node cells derived from type II collagen–induced polyarthritic rats. Ridge SC, et al. **Immunopharmacology** 1984 Jun;7(3–4):195–9

Adjuvant arthritis: influence of the adjuvant volume and composition on the established arthritis. Lussier A, et al. **Int J Tissue React** 1984;6(2):105–10

Collagen–induced arthritis in rats: antigen–specific suppression of arthritis and immunity by intravenously injected native type II collagen. Cremer MA, et al. **J Immunol** 1983 Dec;131(6):2995–3000

Dietary fish oil augments the induction of arthritis in rats immunized with type II collagen. Prickett JD, et al. **J Immunol** 1984 Feb;132(2):725–9

HLA–B27 in Thai patients with arthritis. Deesomchok U, et al. **J Med Assoc Thai** 1983 Oct;66(10):600–5

Immune complex mediated destruction of cartilage in antigen–induced arthritis of rabbits. Cooke TD, et al. **J Rheumatol** 1983 Dec;10 Suppl 11:103–7

Rheumatoid factors in psoriatic arthropathy and in Waaler–Rose negative rheumatoid arthritis. Tarkowski A, et al. **Rheumatol Int** 1984;4(3):115–7

Collagen–induced arthritis in rodents. A review of clinical, histological and immunological features. Cremer MA, et al. **Ryumachi** 1984 Feb;24(1):45–56 (60 ref.)

Arthritis in patients with antimitochondrial antibodies. Lauritsen K, et al. **Scand J Rheumatol** 1983;12(4):331–5

Proceedings of the Finnish–Soviet Symposium on Seronegative Arthritis. Heinola, September 25–27, 1983. **Scand J Rheumatol [Suppl]** 1984;52:1–92

Histocompatibility typing in the seronegative spondyloarthropathies: a survey. Espinoza LR, et al. **Semin Arthritis Rheum** 1982 Feb;11(3):375–81 (87 ref.)

Seronegative spondyloarthropathies and HLA antigens in a Mestizo population. Pérez–Rojas GE, et al. **Tissue Antigens** 1984 Feb;23(2):107–11

[The immunology of reactive arthritis] Granfors K, et al. **Duodecim** 1983;99(15):1001–9 **(Fin)**

[Immunomodulation with symptomatically effective antirheumatic agents] Dreher R, et al. **Immun Infekt** 1983 Jun;11(4):123–34 (Eng. Abstr.) **(Ger)**

[Complement activation in patients with chronic polyarthritis, measured by the level of complement fraction C3a in plasma] Kapp A, et al. **Z Rheumatol** 1984 May–Jun; 43(3):103–5 (Eng. Abstr.) **(Ger)**

[Psoriatic arthritis: considerations on recent studies: serum beta 2 microglobulin and circulating T–gamma lymphocytes] Mathieu A, et al. **Boll Ist Sieroter Milan** 1983 Sep 30;62(4):344–9 (Eng. Abstr.) **(Ita)**

[Complement levels of rat sera during the course of adjuvant arthritis] Cho S, et al. **Ryumachi** 1984 Apr;24(2):80–6 (Eng. Abstr.) **(Jpn)**

[Seronegative arthritis] Ostensen M, et al. **Tidsskr Nor Laegeforen** 1983 Nov 20;103(32):2176–8 **(Nor)**

[Clinical and immunologic characteristics of arthritis of different etiologies] Mikunis RI, et al. **Vrach Delo** 1983 Dec; (12):33–5 **(Rus)**

[T–suppressors in experimental adjuvant arthritis and immunosuppression] Madzhidov UV. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Jan;(1):65–8 (Eng. Abstr.) **(Rus)**

[Human leukocyte B27 antigen in patients with seronegative arthritis] Mladenović V, et al. **Srp Arh Celok Lek** 1983 Jun;111(6):733–40 **(Scc)**

METABOLISM

Urate deposits without gouty arthritis. Scott JT, et al. **Adv Exp Med Biol** 1984;165 Pt A:133–6

Eosinophil cationic protein in inflammatory synovial effusions as evidence of eosinophil involvement. Hällgren R, et al. **Ann Rheum Dis** 1984 Aug;43(4):556–62

Zinc and rheumatic disease [letter] Alegre C, et al. **Arthritis Rheum** 1984 Sep;27(9):1073–4

Apatite associated destructive arthritis. Dieppe PA, et al. **Br J Rheumatol** 1984 May;23(2):84–91

Apatite associated arthritis. Nuki G. **Br J Rheumatol** 1984 May;23(2):81–3

Low–dose methotrexate kinetics in arthritis. Edelman J, et al. **Clin Pharmacol Ther** 1984 Mar;35(3):382–6

Antirheumatic drugs and macrophage function: effects on tumour cell growth in vitro. Binderup L, et al. **Clin Rheumatol** 1982 Mar;1(1):15–22

Sequential appearance of fibronectin and collagen fibres in experimental arthritis in rabbits. Hølund B, et al. **Histochemistry** 1984;80(1):39–44

Lipid peroxidation in rat adjuvant arthritis and its inhibition by indomethacin. Yoshikawa T, et al. **J Appl Biochem** 1983 Dec;5(6):382–7

The role of fibronectin in the pathogenesis of antigen–induced arthritis in the rabbit. Scott DL, et al. **J Pathol** 1983 Oct;141(2):143–56

Peroxidative status of isolated hepatocytes from adjuvant arthritic rats. Ishizuki S, et al. **Res Commun Chem Pathol Pharmacol** 1984 Jun; 44(3):431–43

Fibronectin in the synovium of chronic inflammatory joint disease. Mayston V, et al. **Rheumatol Int** 1984;4(3):129–33

Concentrations of prostaglandins D2, E2, F2 alpha, 6–keto–F1 alpha and thromboxane B2 in synovial fluid from patients with inflammatory joint disorders and osteoarthritis. Egg D. **Z Rheumatol** 1984 Mar–Apr; 43(2):89–96

[Comparison of biochemical studies in experimental and human arthrosis] Glückert K, et al. **Z Rheumatol** 1983 Jul–Aug;42(4):195–8 (8 ref.) **(Ger)**

[Effect of progesterone on the metabolism of corticosteroid hormones in the lymphocytes and hepatocytes of rats with adjuvant disease] Pytskii VI, et al. **Patol Fiziol Eksp Ter** 1983 Jul–Aug;(4):25–9 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Isolation of Chlamydia trachomatis from prostatic fluid in association with inflammatory joint or eye disease. Goh BT, et al. **Br J Vener Dis** 1983 Dec;59(6):373–5

A sequential study of virus expression in retrovirus–induced arthritis of goats. Klevjer–Anderson P, et al. **J Gen Virol** 1984 Sep;65 (Pt 9):1519–25

Acute monarticular arthritis caused by herpes simplex virus type I. Remafedi G, et al. **Pediatrics** 1983 Dec;72(6):882–3

OCCURRENCE

Observations on rheumatic disease in Polynesia and the Philippines. Wigley RD, et al. **J Rheumatol** 1983 Nov;10 Suppl 10:37–40

Psoriasis and arthritis. I. A population study. van Romunde LK, et al. **Rheumatol Int** 1984;4(2):55–60

[Arthritis in the Senegalese woman. Apropos of 46 cases] Dano P, et al. **Dakar Med** 1983;28(1):1–10 (Eng. Abstr.) **(Fre)**

[National survey on reactive arthritis by the French Society of Rheumatology] Amor B, et al. **Rev Rhum Mal Osteoartic** 1983 Nov;50(11):733–43 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Type II collagen–induced arthritis. A morphologic and biochemical study of articular cartilage. DeSimone DP, et al. **Arthritis Rheum** 1983 Oct;26(10):1245–58

Changes in vascular endothelium related to lymphocyte collections in diseased synovia. Freemont AJ, et al. **Arthritis Rheum** 1983 Dec;26(12):1427–33

Growth disturbances in experimental juvenile arthritis of the dog knee. Bunger C, et al. **Clin Rheumatol** 1984 Jun; 3(2):181–8

Suppurative arthritis of the temporomandibular joint. Report of a case with special reference to arthroscopic observations. Murakami K, et al. **J Maxillofac Surg** 1984 Feb;12(1):41–5

Correlation between ossification and inflammation using a rat experimental model. Lussier A, et al. **J Rheumatol** 1983 Dec;10 Suppl 11:114–7

[Stages of the arthrosis process—a scanning electron microscopy study of the rabbit knee joint] Ender A, et al. **Beitr Orthop Traumatol** 1983 Dec;30(12):662–7 (Eng. Abstr.) **(Ger)**

[Experimental studies of the origin of synovial lining cells based on the example of synovial pits] Haberbosch B, et al. **DTW** 1983 Nov 7;90(11):471–7 (Eng. Abstr.) **(Ger)**

[Histological study of the effect of Rumalon on experimentally induced arthrosis of the knee in the rabbit] Gialamas J, et al. **Z Rheumatol** 1983 Jul–Aug;42(4):213–5 **(Ger)**

[Inflammatory lesions of the synovial membrane] Aoki S. **Ryumachi** 1984 Apr;24(2):123–34 (110 ref.) **(Jpn)**

[Juvenile osteoporosis in the practice of the rheumatologist] Novikov IuI, et al. **Revmatologiia (Moskva)** 1983 Jul–Sep; (3):52–3 **(Rus)**

[Ligament ruptures in systemic lupus erythematosus patients] Folomeeva OM, et al. **Ter Arkh** 1984;56(5):115–8 **(Rus)**

[Case of psoriasis rupioides with arthropathy] Golousenko IIu, et al. **Vestn Dermatol Venerol** 1984 Mar;(3):74–5 (Eng. Abstr.) **(Rus)**

[Hemochromatotic arthropathy. A survey and case report] Bjelle A, et al. **Lakartidningen** 1984 Feb 8;81(6):445–7 (Eng. Abstr.) **(Swe)**

PHYSIOPATHOLOGY

Haemodynamics in acute arthritis of the knee in puppies. Bünger C, et al. **Acta Orthop Scand** 1984 Apr;55(2):197–202

Gout resistant to allopurinol: poor compliance or non–response. Simmonds HA, et al. **Adv Exp Med Biol** 1984;165 Pt A:171–4

A pharmacological analysis of the responses of isolated aorta from rats with adjuvant arthritis. Fontaine J, et al. **Agents Actions** 1984 Jun;14(5–6):684–7

Effect of nutritional copper deficiency on adjuvant arthritis and immunocompetence in the rat. Kishore V, et al. **Agents Actions** 1984 Feb;14(2):274–82

Quantitation of arthritis by 99mTc–uptake measurements in

the mouse knee-joint: correlation with histological joint inflammation scores. Lens JW, et al. **Agents Actions** 1984 Jun;14(5-6):723-8

Pathophysiology and treatment of asthma and arthritis. Symposium held at Erasmus University, Rotterdam, October 14-15, 1982 to celebrate the 60th birthday of Prof. Dr. I.L. Bonta. **Agents Actions [Suppl]** 1984;14:1-259

Chondrocyte impairment: another mechanism of cartilage destruction in chronic arthritis. Kruijsen MW, et al. **Agents Actions [Suppl]** 1984;14:143-51 (38 ref.)

Measures of functional ability (disability) in arthritis in relation to impairment of range of joint movement. Badley EM, et al. **Ann Rheum Dis** 1984 Aug;43(4):563-9

Use of electromyography to study leg muscle activity in patients with arthritis and in normal subjects during rising from a chair. Munton JS, et al. **Ann Rheum Dis** 1984 Feb; 43(1):63-5

The influence of pituitary hormones on adjuvant arthritis. Berczi I, et al. **Arthritis Rheum** 1984 Jun;27(6):682-8

Altered properties and laminar distribution of neuronal responses to peripheral stimulation in the SmI cortex of the arthritic rat. Lamour Y, et al. **Brain Res** 1983 Aug 22;273(1):183-7

Psychopharmacologic and behavioral approaches to chronic arthritic pain. Zorumski CF, et al. **Compr Ther** 1984 Aug; 10(8):35-9

Ergometric evaluation of pathological gait. Cavagna GA, et al. **J Appl Physiol** 1983 Aug;55(2):607-13

Arthritis and seat belts [letter] Arie E, et al. **Lancet** 1983 Oct 8;2(8354):860

Respiratory effects of intrathecal capsaicin in arthritic and non-arthritic rats. Bervoets K, et al. **Life Sci** 1984 Jun 18; 34(25):2477-83

Antinociceptive effects of neonatal capsaicin in rats with adjuvant arthritis. Hara A, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Jun; 326(3):248-53

[Alteration of the mechanical properties of cartilage after intra-articular administration of drugs in vitro] Weh L, et al. **Res Exp Med (Berl)** 1983;183(2):95-110 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

The anti-arthritic and immunosuppressive effects of cyclosporine on arthritis induced in the rat by type II collagen. Henderson B, et al. **Clin Exp Immunol** 1984 Jul; 57(1):51-6

Suppressive effects of anti-mu serum on the development of collagen arthritis in rats. Helfgott SM, et al. **Clin Immunol Immunopathol** 1984 Jun;31(3):403-11

The effect of endotoxin and endotoxin tolerance on inflammation induced by mycobacterial adjuvant. Rosenbaum JT, et al. **Yale J Biol Med** 1983 Jul-Aug; 56(4):293-301

PSYCHOLOGY

Children with juvenile chronic arthritis: their beliefs about their illness and therapy. Beales JG, et al. **Ann Rheum Dis** 1983 Oct;42(5):481-6

RADIOGRAPHY

Tophaceous gout: a clinical and radiographic assessment. Nakayama DA, et al. **Arthritis Rheum** 1984 Apr; 27(4):468-71

Computed tomography in sacroiliitis. Carrera GF. **Clin Rheum Dis** 1983 Aug;9(2):403-15

The radiographic assessment of arthritis: the plain film. Forrester DM, et al. **Clin Rheum Dis** 1983 Aug;9(2):291-306

Difficulties in the radiographic diagnosis of sacroiliitis. Forrester DM, et al. **Clin Rheum Dis** 1983 Aug;9(2):323-32

Medicine or meddling? use of arthrography in rheumatology. Rosenthal DI. **Clin Rheum Dis** 1983 Aug;9(2):453-71 (79 ref.)

Confusion of roentgenographic differential diagnosis between ankylosing hyperostosis (Forestier's disease) and ankylosing spondylitis. Yagan R, et al. **Clin Rheumatol** 1983 Sep; 2(3):285-92

On arthropathic psoriasis: X-ray peculiarities. Lomuto M, et al. **Dermatologica** 1984;168(2):82-6

Radiological examination of post-adjuvant polyarthritis in steroid-treated or allogeneic pregnant mice. Bubak-Satora M, et al. **Folia Biol (Krakow)** 1983;31(4):365-72

Gout presenting as a femoral cyst. A case report. Foucar E, et al. **J Bone Joint Surg [Am]** 1984 Feb;66(2):294-7

A radiopaque-labeling technique to visualize the distribution of local anesthesia. Goldman F, et al. **J Foot Surg** 1983 Winter;22(4):329-31

Observer variation in grading sacroiliac radiography in HLA-B27 positive individuals [letter] Gofton JP. **J Rheumatol** 1984 Feb;11(1):107-9

Psoriasis and arthritis. III. A cross-sectional comparative study of patients with 'psoriatic arthritis' and seronegative and seropositive polyarthritis: radiological and HLA aspects. van Romunde LK, et al. **Rheumatol Int** 1984; 4(2):67-73

Gouty arthritis: a prospective radiographic evaluation of sixty patients. Barthelemy CR, et al. **Skeletal Radiol** 1984; 11(1):1-8

[Involvement of the temporomandibular joints in psoriatic arthritis. Case report] Schulze P, et al. **Dermatol Monatsschr** 1983;169(9):588-93 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

Quantitative sacroiliac scintiscanning: a sensitive and objective method for assessing efficacy of nonsteroidal, anti-inflammatory drugs in patients with sacroiliitis. Dunn NA, et al. **Ann Rheum Dis** 1984 Apr;43(2):157-9

The use of gallium-67 citrate to distinguish between infectious and non-infectious arthritis. Forrester DM, et al. **Clin Rheum Dis** 1983 Aug;9(2):333-45

The value of quantitative sacroiliac scintigraphy in detection of sacroiliitis. Miron SD, et al. **Clin Rheumatol** 1983 Dec; 2(4):407-14

Evaluation of quantitative sacroiliac scintigraphy for the early detection of sacroiliitis. Prakash S, et al. **Eur J Nucl Med** 1983;8(12):531-4

The use of radionuclide bone and joint imaging in arthritic and related diseases. Solicito V, et al. **J Foot Surg** 1984 Mar-Apr;23(2):173-82 (64 ref.)

[Radioisotope diagnosis of the defective femoropatellar joint] Popko J, et al. **Beitr Orthop Traumatol** 1984 Jan;31(1):12-5 (Eng. Abstr.) **(Ger)**

RADIOTHERAPY

[Genetic and somatic radiation burden in the radiotherapy of inflammatory and degenerative diseases of bones, joints and soft tissues] Kirsch M, et al. **Radiobiol Radiother (Berl)** 1983;24(3):283-91 (Eng. Abstr.) **(Ger)**

[Effect of decimeter-band waves on the activity of the inflammatory process in experimental polyarthritis] Sidorov VD, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 Sep-Oct; (5):28-31 (Eng. Abstr.) **(Rus)**

REHABILITATION

Evaluation of comprehensive rehabilitation services for elderly homebound patients with arthritis and orthopedic disability. Liang MH, et al. **Arthritis Rheum** 1984 Mar; 27(3):258-66

The role of the allied health professional in the treatment of arthritis. Banwell BF. **Primary Care** 1984 Jun; 11(2):219-32

SURGERY

Arthrodesis of the arthritic wrist. Clayton ML, et al. **Clin Orthop** 1984 Jul-Aug;(187):89-93

Cone arthrodesis of the first metatarsophalangeal joint. Johansson JE, et al. **Foot Ankle** 1984 Mar-Apr;4(5):244-8

Domed (cupola) tibial osteotomy in the treatment of decompensated arthrosis secondary to genu varum. Giunti A, et al. **Ital J Orthop Traumatol** 1984 Jun;10(2):153-62

The surgical treatment of the arthritic patient. Volz RG. **Primary Care** 1984 Jun;11(2):381-7

[Results after Coventry's operation for treatment of arthroses of the knee joint] Rozkydal Z, et al. **Acta Chir Orthop Traumatol Cech** 1984 Apr;51(2):123-32 (Eng. Abstr.) **(Cze)**

[Distal femoral osteotomy with internal closure for the correction of gonarthroses with genu valgum] Gardès JC. **Rev Chir Orthop** 1983;69 Suppl 2:110-2 **(Fre)**

[Indications, technic and results of knee joint arthrodesis] Schwarz B, et al. **Aktuel Traumatol** 1984 Aug;14(4):172-80 (Eng. Abstr.) **(Ger)**

[Suboccipital subluxation caused by primary chronic polyarthritis and its surgical treatment] Krumbholz S, et al. **Beitr Orthop Traumatol** 1983 Aug;30(8):402-10 (Eng. Abstr.) **(Ger)**

[Surgical treatment of the saddle joint arthrosis] Epping W, et al. **Handchir Mikrochir Plast Chir** 1983 Sep;15(3):168-76 (Eng. Abstr.) **(Ger)**

[Knee joint arthrodesis with an autocompression plate] Schwarz B, et al. **Unfallheilkunde** 1984 Feb;87(2):67-72 (Eng. Abstr.) **(Ger)**

[Arthroscopy of the shoulder joint] Seiler H, et al. **Unfallheilkunde** 1984 Feb;87(2):73-7 (Eng. Abstr.) **(Ger)**

[Treatment of varus gonarthrosis using Coventry's modified technic] Hepp WR, et al. **Z Orthop** 1984 Mar-Apr; 122(2):171-7 (Eng. Abstr.) **(Ger)**

[Use of laser therapy in nonspecific inflammatory processes of the temporomandibular joint] Kats AG, et al. **Stomatologiia (Mosk)** 1983 Sep-Oct;62(5):42-5 (Eng. Abstr.) **(Rus)**

THERAPY

A fasting and vegetarian diet treatment trial on chronic inflammatory disorders. Lithell H, et al. **Acta Derm Venereol (Stockh)** 1983;63(5):397-403

EMG biofeedback-controlled exercise in chronic arthritic knee pain. King AC, et al. **Arch Phys Med Rehabil** 1984 Jun;65(6):341-3

Referral of chronic arthritics [editorial] Chamberlain MA. **Br Med J [Clin Res]** 1984 Feb 4;288(6414):347-8

Emergency treatment of acute inflammation of the temporomandibular joint [letter] Farrar WB. **J Prosthet Dent** 1984 May;51(5):725-6

Views of patients and providers regarding the importance of various aspects of an arthritis treatment program. Potts M, et al. **J Rheumatol** 1984 Feb;11(1):71-5

[Behavior of blood cortisol and urine cortisol in fangotherapy] Serofilli A, et al. **Clin Ter** 1984 Feb 15; 108(3):215-27 (Eng. Abstr.) **(Ita)**

[Gonarthrosis: physiokinesitherapy treatment] Cremona GF. **Minerva Med** 1984 Apr 14;75(16):903-7 (Eng. Abstr.) **(Ita)**

[Use of tetracycline as a photosensitizer in exposure to argon laser rays in zymosan arthritis in rats] Tupikin GV, et al. **Revmatologiia (Moskva)** 1983 Jul-Sep;(3):32-5 (Eng. Abstr.) **(Rus)**

[Differential local therapy of mono-, oligoarthritis of the knee joint] Abasov ESh, et al. **Ter Arkh** 1983;55(7):104-8 (Eng. Abstr.) **(Rus)**

[Needle reflexotherapy in surgical diseases of the musculoskeletal system of the upper limbs] Mikhailov AN, et al. **Vestn Khir** 1983 Oct;131(10):113 **(Rus)**

[Immunobiological effects of the bitemporal use of ultra-high-frequency electric fields in experimental polyarthritis] Bogoliubov VM, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 May-Jun; (3):23-7 (Eng. Abstr.) **(Rus)**

[Use of volcanic mud in a regional hospital] Iusufov AI. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 Jul-Aug;(4):51-2 **(Rus)**

[Balneotherapy and heliomarinotherapy in the treatment and rehabilitation of patients with psoriatic arthritis] Jajić I. **Reumatizam** 1984;31(1-2):13-6 (Eng. Abstr.) **(Scr)**

URINE

Effect of nonsteroidal anti-inflammatory drugs on the renal excretion of uric acid. Tiitinen S, et al. **Clin Rheumatol** 1983 Sep;2(3):233-6

[Fluorometric determination of levarterenol, epinephrine and dopamine in the urine of rats with carrageenan edema and adjuvant arthritis] Schmollack W, et al. **Pharmazie** 1984 Jan;39(1):30-3 (Eng. Abstr.) **(Ger)**

VETERINARY

Experimental infection of sheep by caprine arthritis-encephalitis virus and goats by progressive pneumonia virus. Banks KL, et al. **Am J Vet Res** 1983 Dec;44(12):2307-11

Hyaluronic acid concentration in synovial fluid from normal and arthritic joints of horses. Hilbert BJ, et al. **Aust Vet J** 1984 Jan;61(1):22-4

Development of an attenuated apathogenic reovirus vaccine against viral arthritis/tenosynovitis. van der Heide L, et al. **Avian Dis** 1983 Jul-Sep;27(3):698-706

Nocardia asteroides recovery from a dog with steroid- and antibiotic-unresponsive idiopathic polyarthritis. Buchanan AM, et al. **J Clin Microbiol** 1983 Sep;18(3):702-8

A sequential study of virus expression in retrovirus-induced arthritis of goats. Klevjer-Anderson P, et al. **J Gen Virol** 1984 Sep;65 (Pt 9):1519-25

Arthritis induced in cat by sodium urate: a possible animal model for tonic pain. Okuda K, et al. **Pain** 1984 Mar; 18(3):287-97

Caprine arthritis-encephalitis [letter] Mews A. **Vet Rec** 1983 Aug 13;113(7):168

[Roentgenological aspects of polyarthritis in foals] Dik KJ. **Tijdschr Diergeneeskd** 1984 May 1;109(9):349-56 (Eng. Abstr.) **(Dut)**

ARTHRITIS, ADJUVANT see under **ARTHRITIS**

ARTHRITIS, INFECTIOUS

Lyme disease. Bruhn FW. **Am J Dis Child** 1984 May; 138(5):467-70

Lyme disease. Meyerhoff J. **Am J Med** 1983 Oct;75(4):663-70 (20 ref.)

A comparative study of osteomyelitis and purulent arthritis with special reference to aetiology and recovery. Peltola H, et al. **Infection** 1984 Mar-Apr;12(2):75-9

BLOOD

Rheumatoid factor production in response to gonococcal polyarthritis and tenosynovitis. Rajapakse CN, et al. **Clin Rheumatol** 1984 Jun;3(2):259-61

COMPLICATIONS

Sacro-iliitis in a heroin addict. A contra-indication to spinal anaesthesia. Gomar C, et al. **Anaesthesia** 1984 Feb; 39(2):167-70

Neurologic abnormalities of Lyme disease: successful treatment with high-dose intravenous penicillin. Steere AC, et al. **Ann Intern Med** 1983 Dec;99(6):767-72

Yersinia arthritis: demonstration of occult enteritis by 111indium leucocyte scanning. Bernstein RM, et al. **Ann Rheum Dis** 1984 Jun;43(3):493-4

Yersinia-induced arthritis and Reiter's syndrome. Ford DK. **Ann Rheum Dis** 1979;38 Suppl 1:suppl 127-8

Tachyarrhythmia in yersinia arthritis [letter] Lenz T, et al. **Ann Rheum Dis** 1984 Jun;43(3):535-6

Primary meningococcal arthritis and pseudogout in an elderly woman. Harcup C, et al. **Arthritis Rheum** 1983 Nov; 26(11):1409-11

Sternoclavicular joint infection as a cause of chest pain. Seviour PW, et al. **Br Med J [Clin Res]** 1984 Jan 14; 288(6411):133-4

Atlanto-axial dislocation in an 18-year-old female with Yersinia arthritis. Vilppula AH, et al. **Clin Rheumatol** 1984 Jun;3(2):239-41

Lumbosarcal neuropathy and venous thrombosis

complicating sacroilitis. Fitzgerald O, et al. **Ir J Med Sci** 1983 Dec;152(12):456–8
Septic polyarthritis in a hemophiliac. Cobb WB. **J Rheumatol** 1984 Feb;11(1):87–9
Gonococcal osteomyelitis complicating septic arthritis. Tindall EA, et al. **JAMA** 1983 Nov 18;250(19):2671–3
The viral aetiology of rheumatoid arthritis [editorial] **Lancet** 1984 Apr 7;1(8380):772–4
Popliteal cyst involvement with gonococcal arthritis–dermatitis syndrome. Weiner SR, et al. **Sex Transm Dis** 1983 Jul–Sep;10(3):141–3
Acute meningococcemia with DIC, septic shock complicated by hypersensitivity monoarthritis (case report in a 20-month-old patient with complete clinical recovery). Vega LA. **W Va Med J** 1984 Jan;80(1):6–9
Lyme disease in northern California. Campagna J, et al. **West J Med** 1983 Sep;139(3):319–23
Lyme disease. Weil ML. **West J Med** 1984 Jun;140(6):930
[Atlanto-axial dislocation in Yersinia arthritis] Jussila T, et al. **Duodecim** 1984;100(10):620–2 (Fin)
[One complication can mask another: chance discovery of a rare lesion during screening for arthritis of the hip] Laumonier F, et al. **Chir Pediatr** 1984;25(2):74–8 (Eng. Abstr.) (Fre)
[The outcome of reactive arthritis] David-Chaussé J. **Rev Rhum Mal Osteoartic** 1983 Dec;50(12):799–806 (58 ref.) (Eng. Abstr.) (Fre)
[Lyme disease in Sweden. A patient with arthralgia associated with chronic erythema migrans] Ryberg B, et al. **Lakartidningen** 1984 Jul 25;81(30–31):2758–60 (Swe)

DIAGNOSIS

Comparative study of gonococcal arthritis and Reiter's syndrome. Hurd ER, et al. **Ann Rheum Dis** 1979;38 Suppl 1:suppl 55–8
Synovial fluid lactic acid in septic and nonseptic arthritis. Arthur RE, et al. **Arthritis Rheum** 1983 Dec; 26(12):1499–505
Acetabular osteomyelitis in children. Gamble JG, et al. **Clin Orthop** 1984 Jun;(186):71–4
A destructive arthropathy following Chikungunya virus arthritis—a possible association. Brighton SW, et al. **Clin Rheumatol** 1984 Jun;3(2):253–8
Group B streptococcus arthritis. Colebunders R, et al. **Clin Rheumatol** 1983 Dec;2(4):427–9
The differential diagnosis of septic arthritis in the elderly. Newman JH. **Compr Ther** 1984 Aug;10(8):29–34
An unusual pattern of arthritis dermatitis syndrome. Brenner S, et al. **Cutis** 1983 Aug;32(2):175–8
Brucella arthritis of the sacro-iliac joint. Porat S, et al. **Infection** 1984 May–Jun;12(3):205–7
Rapid diagnosis of septic arthritis by coagglutination. Mayer ME, et al. **J Clin Microbiol** 1983 Dec;18(6):1424–6
Enzyme-linked immunosorbent assay and indirect immunofluorescence assay for Lyme disease. Russell H, et al. **J Infect Dis** 1984 Mar;149(3):465–70
Clinical manifestations and descriptive epidemiology of Lyme disease in New Jersey, 1978 to 1982. Bowen GS, et al. **JAMA** 1984 May 4;251(17):2236–40
A case report of Pasteurella multocida arthritis in a previously healthy individual. Eswaran KS. **Md State Med J** 1983 Nov;32(11):859
Lyme disease as an etiology of 'unexplained' recurrent monoarthritis. Schned ES. **Minn Med** 1984 Jun;67(6):325–8
Gonococcal arthritis in pregnancy. Zbella EA, et al. **Obstet Gynecol Surv** 1984 Jan;39(1):8–12
The acutely swollen joint. First impressions may mislead. Berg E. **Postgrad Med** 1984 Jan;75(1):62–5, 69–70, 73–5
Infectious arthritis and osteomyelitis. Schmid FR. **Primary Care** 1984 Jun;11(2):295–306
Lyme disease—a review of the literature. Williamson PK, et al. **Semin Arthritis Rheum** 1984 Feb;13(3):229–34
Klebsiella pneumoniae arthritis of the hip in a diabetic patient. Apple JS, et al. **South Med J** 1984 Feb;77(2):229–31
[Reiter's syndrome as a reactive arthritis] Tesárek B. **Fysiatr Reumatol Vestn** 1984 Feb;62(1):14–7 (Eng. Abstr.) (Cze)
[Osteoarticular tuberculosis] van der Linden AJ. **Ned Tijdschr Geneeskd** 1984 Jan 21;128(3):108–13 (Eng. Abstr.) (Dut)
[Andrews' bacterids and pseudoseptic arthritis] Enjolras O, et al. **Ann Dermatol Venereol** 1983;110(9):713–4 (Fre)
[Temporomandibular staphylococcal arthritis] Alazia M, et al. **Ann Fr Anesth Reanim** 1983;2(6):415–6 (Eng. Abstr.) (Fre)
[Laboratory diagnosis of epidemic polyarthritis (Ross River virus) in New Caledonia] Panon G, et al. **Bull Soc Pathol Exot Filiales** 1983 Dec;76(5 Pt 2):755–60 (Eng. Abstr.) (Fre)
[Infectious sacroiliitis in children. Apropos of a case] Durand JP, et al. **LARC Med** 1984 Apr;4(4):252 (Fre)
[Acute, syncopal auriculo-ventricular block in Lyme disease (letter)] Cornuau C, et al. **Presse Med** 1984 Mar 31; 13(14):888 (Fre)
[Pseudoseptic arthritis and bacterid of Andrews] Benhamou CL, et al. **Rev Rhum Mal Osteoartic** 1984 Apr;51(4):229–31 (Fre)
[Chlamydia and sexually transmitted germs. Description and bacteriological diagnosis] Catalan F. **Rev Rhum Mal Osteoartic** 1983 Dec;50(12):795–8 (Eng. Abstr.) (Fre)
[Yersinia pseudotuberculosis arthritis with visceral involvement simulating connective tissue disease] Menkès CJ, et al. **Rev Rhum Mal Osteoartic** 1983 Dec;50(12):813–5 (Fre)
[Pubic pain in football players can be infectious. Presentation of 2 cases] Ruel M, et al. **Rev Rhum Mal Osteoartic** 1984 Apr;51(4):211–3 (Fre)
[Acute pyogenic sacroiliac arthritis in children] Roubergue A, et al. **Sem Hop Paris** 1983 Oct 13;59(36):2541–5 (Eng. Abstr.) (Fre)
[Lyme disease. A new or newly recognized clinical entity] Herzer P. **MMW** 1983 Sep 2;125(35):737–8 (Ger)
[Lyme arthritis (erythema migrans arthritis)] Müller W. **Schweiz Med Wochenschr** 1984 Feb 25;114(8):265–9 (Eng. Abstr.) (Ger)
[Reactive arthritis—clinical aspects and course] Krüger K, et al. **Wien Klin Wochenschr** 1983 Dec 23;95(24):884–9 (Eng. Abstr.) (Ger)
[The rheumatic shoulder in general practice] Menninger H, et al. **ZFA (Stuttgart)** 1983 Dec 10;59(34):1897–902 (Ger)
[Pyogenic sacroiliitis] Lieberman D, et al. **Harefuah** 1983 Nov 15;105(10):312–3 (Eng. Abstr.) (Heb)
[Case of chronic brucellosis of the hand] Skowroński J, et al. **Chir Narzadow Ruchu Ortop Pol** 1983;48(5–6):505–7 (Eng. Abstr.) (Pol)
[Use of the resochin test in the diagnosis of chronic brucellous arthritis] Mazur MV, et al. **Revmatologiia (Moskva)** 1983 Jul–Sep;(3):42–3 (Rus)
[Yersinia arthropathy: various clinical and diagnostic aspects] Sidel'nikova SM, et al. **Ter Arkh** 1983;55(7):77–81 (Eng. Abstr.) (Rus)
[Haemophilus influenzae arthritis in an adult presenting as pseudothrombophebitis (letter)] Alés JE, et al. **Med Clin (Barc)** 1983 Dec 3;81(18):830 (Spa)
[Acute, non-gonococcal infectious arthritis. Functional results] Proubasta Renart I, et al. **Med Clin (Barc)** 1984 Feb 11;82(5):200–3 (Eng. Abstr.) (Spa)
[Sacroiliitis caused by Staphylococcus aureus in a heroin addict] Collazos González J, et al. **Rev Clin Esp** 1983 Dec 31;171(6):429–31 (Spa)
[Unusual presentation of tuberculous arthritis. Report of a case] Roldán Labrada ME, et al. **Rev Invest Clin** 1984 Jan–Mar;36(1):45–7 (Eng. Abstr.) (Spa)
[Gonococcal arthritis in a 4-year-old child] Dumas E, et al. **Rev Med Chil** 1983 Mar;111(3):276–8 (Eng. Abstr.) (Spa)
[Determination of lactate as a complement to clinical diagnosis of bacterial arthritis] Berghard G, et al. **Lakartidningen** 1984 Jan 4;81(1–2):40–3 (Swe)
[Lactate determination in synovial fluid in the diagnosis and treatment of septic arthritis] Transö S, et al. **Lakartidningen** 1984 Jan 4;81(1–2):44–6 (Swe)

DRUG THERAPY

Treatment of infectious arthritis. LeFrock JL, et al. **Am Fam Physician** 1984 Sep;30(3):252–7
Methicillin induced drug-fever during treatment for acute post traumatic osteomyelitis and septic arthritis. Stein H, et al. **Arch Orthop Trauma Surg** 1983;102(1):23–7
Lyme disease: prevention of the arthritis syndrome through early recognition and antibiotic therapy. Hayne CW. **J Am Osteopath Assoc** 1984 Apr;83(8):601–3
Ketoconazole for treatment of Candida arthritis [letter] Duquesnoy B, et al. **J Rheumatol** 1984 Feb;11(1):105–7
Chloroquine phosphate treatment of chronic Chikungunya arthritis. An open pilot study. Brighton SW. **S Afr Med J** 1984 Aug 11;66(6):217–8
Acute osteomyelitis and septic arthritis in children [letter] Coombes WN. **S Afr Med J** 1984 Jul 14;66(2):46
Sporotrichosis arthritis. A case presentation and review of the literature. Khan MI, et al. **S Afr Med J** 1983 Dec 31; 64(28):1099–101
Cefuroxime in acute septic arthritis. Hedström SA, et al. **Scand J Infect Dis** 1984;16(1):79–82
Fifty-six year old Caucasian female with infection of knee and acute renal failure [clinical conference] Ulrich RC, et al. **SD J Med** 1983 Nov;36(11):5–8
Treatment of extragenital infections caused by Mycoplasma hominis. Myhre EB, et al. **Sex Transm Dis** 1983 Oct–Dec; 10(4 Suppl):382–5
[Rifampicin in the treatment of Staphylococcus arthritis] Lopitaux R, et al. **Pathol Biol (Paris)** 1983 May;31(5):442–5 (Eng. Abstr.) (Fre)
[Candida arthritis. Apropos of spondylodiskitis and coxitis treated with ketoconazole] Duquesnoy B, et al. **Rev Rhum Mal Osteoartic** 1983 Jul–Sep;50(8–9):615–7 (Fre)
[Erysipeloid arthritis and its treatment] Kogan AI, et al. **Vestn Dermatol Venerol** 1983 Nov;(11):48–50 (Eng. Abstr.) (Rus)

ETIOLOGY

Hemophilic arthropathy complicated by polyarticular septic arthritis. Goldsmith JC, et al. **Acta Haematol (Basel)** 1984; 71(2):121–3
Group B streptococcal arthritis in adults. Small CB, et al. **Am J Med** 1984 Mar;76(3):367–75
Histologic demonstration of intradermal spirochetes in a patient with Lyme disease. Kantoff PW, et al. **Am J Med Sci** 1984 Mar–Apr;287(2):40–2
Two unusual strains of Candida arthritis. Mandel DR, et al. **Am J Med Sci** 1984 Jul–Aug;288(1):25–7
Parasitic arthritis induced by Strongyloides stercoralis. Akoğlu T, et al. **Ann Rheum Dis** 1984 Jun;43(3):523–5
Cryptococcal arthritis and cellulitis. Bunning RD, et al. **Ann Rheum Dis** 1984 Jun;43(3):508–10
Sexually acquired reactive arthritis. Keat AC, et al. **Ann Rheum Dis** 1979;38 Suppl 1:suppl 52–4
Pyogenic osteomyelitis presenting as an acute sterile arthropathy. Platt PN, et al. **Ann Rheum Dis** 1984 Aug; 43(4):607–9
Listeria monocytogenes septic arthritis following intra-articular yttrium-90 therapy. Wilson AP, et al. **Ann Rheum Dis** 1984 Jun;43(3):518–9
Enterococcus: an unusual cause of septic arthritis. Zwillich SH, et al. **Arthritis Rheum** 1984 May;27(5):591–5
Reactive arthritis. Edmonds J. **Aust NZ J Med** 1984 Feb; 14(1):81–8 (75 ref.)
Plesiomonas shigelloides septic arthritis complicating rheumatoid arthritis. Gordon DL, et al. **Aust NZ J Med** 1983 Jun;13(3):275–6
Yersinia reactive arthritis. Aho K. **Br J Rheumatol** 1983 Nov; 22(4 Suppl 2):41–5 (23 ref.)
Reactive arthritis following psittacosis. Lanham JG, et al. **Br J Rheumatol** 1984 Aug;23(3):225–6
Urogenital syndromes and spondarthritis. Olhagen B. **Br J Rheumatol** 1983 Nov;22(4 Suppl 2):33–40 (21 ref.)
Yersinia arthritis in the Midlands: clinical and immunological features in ten cases during 1980–1983. Sheldon PJ, et al. **Br J Rheumatol** 1983 Nov;22(4 Suppl 2):46–9
Treatment of septic arthritis due to Mycobacterium kansasii. Carroll SR, et al. **Br Med J [Clin Res]** 1984 Sep 8; 289(6445):591–2
Temporomandibular joint destruction after a burn. Hilbert L, et al. **Burns Incl Therm Inj** 1984 Feb;10(3):214–6
Septic arthritis of the hip caused by Neisseria gonococcae. Rubinow A. **Clin Orthop** 1983 Dec;(181):115–7
Septic arthritis and thigh abscess after dilatation and curettage. Struthers GR, et al. **Clin Rheumatol** 1984 Mar; 3(1):71–3
Arthritis associated with salmonella infection. Swaak AJ, et al. **Clin Rheumatol** 1982 Dec;1(4):275–9
Rheumatic salpingitis? [letter] Yli-Kerttula UI, et al. **Clin Rheumatol** 1984 Mar;3(1):85–6
Viral arthritis. Yonker RA, et al. **Compr Ther** 1983 Sep; 9(9):38–46
Pasteurella multocida septic arthritis. Mellors JW, et al. **Conn Med** 1984 Apr;48(4):221–3
Infectious arthritis at the Wilmington Medical Center 1972–1982. Kujala G. **Del Med J** 1983 Dec;55(12):685–92
A sprained ankle that acted up after it healed. Weiner SR. **Hosp Pract** 1983 Dec;18(12):61, 64
Acute monoarticular herpetic arthritis. A case report. Brna JA, et al. **J Bone Joint Surg [Am]** 1984 Apr;66(4):623
Infected mucous cyst of the finger. Rangarathnam CS, et al. **J Hand Surg [Am]** 1984 Mar;9(2):245–7
Septic arthritis of the knee in a 12-year-old hemophiliac. Hofmann A, et al. **J Pediatr Orthop** 1984 Aug;4(4):498–9
Arthritis in rabbits induced by killed Neisseria gonorrhoeae and gonococcal lipopolysaccharide. Goldenberg DL, et al. **J Rheumatol** 1984 Feb;11(1):3–8
Atypical septic arthritis due to Neisseria meningiditis. McLemore MM, et al. **J Tenn Med Assoc** 1984 Mar; 77(3):149–50
Viral polyarthritis [letter] Byrne B. **Med J Aust** 1984 Mar 31;140(7):445–6
Polyarthritis of unknown origin [letter] Short B. **Med J Aust** 1984 Jan 21;140(2):119–20
Reiter's syndrome and reactive arthritis in perspective. Keat A. **N Engl J Med** 1983 Dec 29;309(26):1606–15 (226 ref.)
Cryptococcal arthritis of the acromio-clavicular joint. Adams R, et al. **NC Med J** 1984 Jan;45(1):23–4
Kingella kingae causing septic arthritis in Felty's syndrome. Lewis DA, et al. **Postgrad Med J** 1983 Aug;59(694):525–6
An unusual cause of arthritis. Morley KD, et al. **Postgrad Med J** 1983 Aug;59(694):522–4
Mumps arthritis: a review of the literature. Gordon SC, et al. **Rev Infect Dis** 1984 May–Jun;6(3):338–44 (50 ref.)
Musculoskeletal sporotrichosis. Chang AC, et al. **Skeletal Radiol** 1984;12(1):23–8
Candida infection of a prosthetic shoulder joint. Lichtman EA. **Skeletal Radiol** 1983;10(3):176–7
Serratia marcescens pyarthrosis and osteomyelitis. Reinhardt JF, et al. **South Med J** 1984 Aug;77(8):1054–5
Mycoplasmas and arthritis. Jansson E, et al. **Z Rheumatol** 1983 Nov–Dec;42(6):315–9 (62 ref.)
[Acute infectious arthritis caused by hemolytic streptococci group A] Bak P. **Ugeskr Laeger** 1984 Jan 2;146(1):31–2 (Eng. Abstr.) (Dan)
[Brucellosis, a rare cause of spondylodiskitis] Haasjes JG, et al. **Ned Tijdschr Geneeskd** 1983 Nov 19;127(47):2142–4 (Eng. Abstr.) (Dut)
[Monoarthritis with positive Yersinia pseudotuberculosis serology in an 18-month-old girl] Palcoux JB, et al. **Arch Fr Pediatr** 1983 Nov;40(9):731–2 (Eng. Abstr.) (Fre)
[Sterno-chondro-costal joint arthritis in heroin addicts. Value of computed x-ray tomography. 4 cases] Molle D, et al. **Presse Med** 1984 Mar 3;13(9):549–51 (Eng. Abstr.) (Fre)
[Infection of an aorto-aortic prosthesis. Disclosure by pseudo-inflammatory rheumatism (letter)] Volle L, et al. **Presse Med** 1984 Feb 11;13(5):287 (Fre)

[Primary Candida albicans osteoarthritis of the anterior chest. Apropos of 3 cases occurring in heroin addicts] Brodaty Y, et al. **Rev Rhum Mal Osteoartic** 1983 Oct;50(10):673–6 **(Fre)**

[The reactive arthritis syndrome. Rheumatological limits] Delcambre B, et al. **Rev Rhum Mal Osteoartic** 1983 Nov; 50(11):745–52 (Eng. Abstr.) **(Fre)**

[Reactive Yersinia pseudotuberculosis arthritis with acute hepatic histological involvement disclosing latent ankylosing spondylitis] Doury P, et al. **Rev Rhum Mal Osteoartic** 1983 Dec;50(12):821–3 **(Fre)**

[Clinical aspects of reactive arthritis caused by Chlamydia] Doury P, et al. **Rev Rhum Mal Osteoartic** 1983 Nov; 50(11):753–7 (Eng. Abstr.) **(Fre)**

[Reactive arthritis] Hubault A. **Rev Rhum Mal Osteoartic** 1983 Nov;50(11):711–2 **(Fre)**

[Reactive arthritis caused by non-Yersinia intestinal infections] Lemaire V. **Rev Rhum Mal Osteoartic** 1983 Nov; 50(11):759–61 (Eng. Abstr.) **(Fre)**

[Intestinal bacteria incriminated in reactive arthritis] Lemeland JF. **Rev Rhum Mal Osteoartic** 1983 Nov; 50(11):719–22 (Eng. Abstr.) **(Fre)**

[Yersinia pseudotuberculosis and Yersinia enterocolitica] Mollaret HH. **Rev Rhum Mal Osteoartic** 1983 Nov; 50(11):713–7 (Eng. Abstr.) **(Fre)**

[Reactive arthritis in children] Piussan C, et al. **Sem Hop Paris** 1984 Jan 12;60(1):52–62 (46 ref.) (Eng. Abstr.) **(Fre)**

[A case of arthritis following tick bite (Lyme arthritis)] Weber K. **Hautarzt** 1984 Feb;35(2):104–5 **(Ger)**

[Arthritis following rubella immunization] von Wehren U, et al. **Z Orthop** 1983 Nov-Dec;121(6):749–50 (Eng. Abstr.) **(Ger)**

[Group B streptococcal meningitis, septicemia and septic arthritis in neonates] Colin A, et al. **Harefuah** 1983 Feb 15;104(4):141–2 (Eng. Abstr.) **(Heb)**

[Septic arthritis of the knee caused by Salmonella typhi] Horesh Z, et al. **Harefuah** 1983 Nov 1;105(9):267–8 (Eng. Abstr.) **(Heb)**

[Arthritis in Shigella and Salmonella infections] Jesień-Dudzińska E. **Reumatologia** 1984;22(1):47–55 (40 ref.) **(Pol)**

[Pathogenesis of infectious arthritis] Pial LT. **Revmatologiia (Moskva)** 1983 Oct-Dec;(4):3–5 (20 ref.) **(Rus)**

[Post-salmonellosis arthritis] Mladenović V, et al. **Reumatizam** 1984;31(1–2):5–9 (Eng. Abstr.) **(Scr)**

[Sternoclavicular arthritis caused by Staphylococcus aureus in a non-drug addicted adult (letter)] Clotet-Sala B, et al. **Med Clin (Barc)** 1984 Feb 25;82(7):332–3 **(Spa)**

[Polyarthritis and exanthema in Gardnerella vaginalis vulvovaginitis (letter)] Estivill X, et al. **Med Clin (Barc)** 1984 Apr 28;82(16):738 **(Spa)**

[Additional data on septic osteoarthritis in drug addicts (letter)] Miró JM, et al. **Med Clin (Barc)** 1983 Nov 19; 81(16):738 **(Spa)**

[Candida Arthritis: an infrequent manifestation of systemic candidiasis (letter)] Podzamczer Palter D, et al. **Med Clin (Barc)** 1983 Nov 19;81(16):737 **(Spa)**

[Septic arthritis in drug-addicts (letter)] Sádaba Garay F, et al. **Med Clin (Barc)** 1983 Jul 2;81(4):186 **(Spa)**

[Reactive arthritis] Valverde García J, et al. **Med Clin (Barc)** 1984 Feb 4;82(4):176–80 (39 ref.) **(Spa)**

[Septic arthritis. Salmonella as frequent cause in immunosuppressed patients in endemic areas] Sada Díaz E, et al. **Rev Invest Clin** 1983 Apr-Jun;35(2):105–10 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Inflammation of the ileum in patients with B27-positive reactive arthritis [letter] Mielants H, et al. **Lancet** 1984 Feb 4;1(8371):288

[Physiopathology of the Fiessinger-Leroy-Reiter syndrome and related disorders. II. Genetic aspects] Amor B, et al. **Rev Rhum Mal Osteoartic** 1982 Jul-Sep;49(8–9):653–8 **(Fre)**

HISTORY

[Blenorrhagic rheumatism an ancestor of reactive arthritis?] Seror P. **Presse Med** 1984 May 26;13(22):1359–63 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Immune responses in yersinia-associated reactive arthritis. Aho K, et al. **Ann Rheum Dis** 1979;38 Suppl 1:suppl 123–6

IgM, IgG, and IgA synthesis in vitro in persons suffering from yersinia arthritis and in patients with ankylosing spondylitis. Vuento R, et al. **Ann Rheum Dis** 1984 Apr; 43(2):186–91

Neutrophil function and HLA-B27. Repo H, et al. **Br J Rheumatol** 1983 Nov;22(4 Suppl 2):168–71

Effect of corynebacterium parvum in the induction and course of mycoplasma arthritis of mice. Kaklamani E, et al. **Clin Rheumatol** 1983 Jun;2(2):163–8

Cutaneous inflammatory reactions to group A streptococcal cell wall fragments in Fisher and Lewis inbred rats. Allen JB, et al. **Infect Immun** 1983 Nov;42(2):796–801

Antibody response in Lyme disease: evaluation of diagnostic tests. Craft JE, et al. **J Infect Dis** 1984 May;149(5):789–95

Proceedings of the Finnish-Soviet Symposium on Seronegative Arthritis. Heinola, September 25–27, 1983. **Scand J Rheumatol [Suppl]** 1984;52:1–92

MICROBIOLOGY

Serious infections due to group G streptococcoci. Report of 15 cases with in vitro–in vivo correlations. Lam K, et al. **Am J Med** 1983 Oct;75(4):561–70

Bacterial confirmation of gonococcal arthritis [letter] Davis JM, et al. **Ann Rheum Dis** 1984 Jun;43(3):537

A pitfall in purulent arthritis brought out in Kingella kingae infection of the knee. Salminen I, et al. **Ann Rheum Dis** 1984 Aug;43(4):656–7

Variation in a major surface protein of Lyme disease spirochetes. Barbour AG, et al. **Infect Immun** 1984 Jul; 45(1):94–100

Pasteurella pneumotropica isolated from bone and joint infections. Gadberry JL, et al. **J Clin Microbiol** 1984 Jun; 19(6):926–7

Lyme disease: a selective medium for isolation of the suspected etiological agent, a spirochete. Johnson SE, et al. **J Clin Microbiol** 1984 Jan;19(1):81–2

Septic arthritis involving Capnocytophaga ochracea. Winn RE, et al. **J Clin Microbiol** 1984 Apr;19(4):538–40

Branhamella catarrhalis septic arthritis. Craig DB, et al. **J Rheumatol** 1983 Dec;10(6):985–6

Anaerobic septic arthritis and osteomyelitis. Hall BB, et al. **Orthop Clin North Am** 1984 Jul;15(3):505–16

Anaerobic bacteria in bone and joint infections. Nakata MM, et al. **Rev Infect Dis** 1984 Mar-Apr;6 Suppl 1:S165–70 (39 ref.)

The association of Mycoplasma hominis with arthritis. Taylor-Robinson D, et al. **Sex Transm Dis** 1983 Oct-Dec; 10(4 Suppl):341–4

[Reactive arthritis in children] Piussan C, et al. **Ann Pediatr (Paris)** 1983 Oct;30(8):581–91 (Eng. Abstr.) **(Fre)**

[Lyme disease: a new infectious disease (editorial)] Pascual Gómez E. **Med Clin (Barc)** 1983 Dec 10;81(19):856–8 **(Spa)**

OCCURRENCE

A focus of Lyme disease in Monmouth County, New Jersey. Bowen GS, et al. **Am J Epidemiol** 1984 Sep;120(3):387–94

Neonatal septic arthritis. Dan M. **Isr J Med Sci** 1983 Nov; 19(11):967–71

Parasitism by Ixodes dammini (Acari: Ixodidae) and antibodies to spirochetes in mammals at Lyme disease foci in Connecticut, USA. Magnarelli LA, et al. **J Med Entomol** 1984 Jan 26;21(1):52–7

Antibodies to spirochetes in white-tailed deer and prevalence of infected ticks from foci of Lyme disease in Connecticut. Magnarelli LA, et al. **J Wildl Dis** 1984 Jan;20(1):21–6

Leads from the MMWR. Update: Lyme disease—United States. **JAMA** 1984 Jun 8;251(22):2916, 2919

Clinical manifestations and descriptive epidemiology of Lyme disease in New Jersey, 1978 to 1982. Bowen GS, et al. **JAMA** 1984 May 4;251(17):2236–40

Potential lessons of epidemic polyarthritis [editorial] Ford DK. **Med J Aust** 1983 Sep 17;2(6):254–5

Epidemic polyarthritis in Australia, 1980–1981. Mudge PR, et al. **Med J Aust** 1983 Sep 17;2(6):269–73

Update: Lyme disease—United States. **MMWR** 1984 May 18;33(19):268–70

Lyme disease in North Carolina. Harshbarger JL, et al. **NC Med J** 1984 Jun;45(6):364–7 (16 ref.)

Septic arthritis in young infants: clinical and microbiologic correlations and therapeutic implications. Dan M. **Rev Infect Dis** 1984 Mar-Apr;6(2):147–55 (47 ref.)

[National survey on reactive arthritis by the French Society of Rheumatology] Amor B, et al. **Rev Rhum Mal Osteoartic** 1983 Nov;50(11):733–43 (Eng. Abstr.) **(Fre)**

PARASITOLOGY

[Value of arthroscopy in aseptic filarial monoarthritis (letter)] Huchet B, et al. **Rev Rhum Mal Osteoartic** 1984 Jan; 51(1):55–6 **(Fre)**

[Lyme's disease: another success for bacteriology] Fumarola D, et al. **Recenti Prog Med** 1983 Oct;74(10):1212–6 **(Ita)**

PATHOLOGY

Erythema chronicum migrans of Lyme disease. Berger BW. **Arch Dermatol** 1984 Aug;120(8):1017–21

Experimental study of acute suppurative bone and joint infection. I. Hematogenous osteomyelitis. Wang YZ, et al. **Chin Med J [Engl]** 1983 Nov;96(11):813–20

The exanthem of Ross River virus infection: histology, location of virus antigen and nature of inflammatory infiltrate. Fraser JR, et al. **J Clin Pathol** 1983 Nov; 36(11):1256–63

[Pathomorphology of experimental pseudotuberculous (Yersinia) arthritis] Isachkova LM, et al. **Arkh Patol** 1984; 46(5):69–74 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Group B streptococcal arthritis in adults. Laster AJ, et al. **Am J Med** 1984 May;76(5):910–5

Fever, C-reactive protein, and erythrocyte sedimentation rate in monitoring recovery from septic arthritis: a preliminary study. Peltola H, et al. **J Pediatr Orthop** 1984 Mar;4(2):170–4

RADIOGRAPHY

Infectious arthritis of the hip. DeLuca SA, et al. **Am Fam Physician** 1984 Feb;29(2):131

Epiphyseal separation simulating pyarthrosis, secondary to copper deficiency, in an infant receiving total parenteral nutrition. Levy J, et al. **Br J Radiol** 1984 Jul;57(679):636–8

Experimental study of acute suppurative bone and joint infection. II. Suppurative arthritis. Wang YZ, et al. **Chin Med J [Engl]** 1983 Dec;96(12):907–12

Pyogenic sacroiliitis. An absolute indication for computerized tomographic scanning. Rosenberg D, et al. **Clin Orthop** 1984 Apr;(184):128–32

CT scanning in septic sacroiliac arthritis or periarticular osteomyelitis. Bankoff MS, et al. **Comput Radiol** 1984 May-Jun;8(3):165–70

[Disappearance of the chondrocalcinosis border in septic arthritis of the knee (letter)] Beraneck L, et al. **Rev Rhum Mal Osteoartic** 1984 Feb;51(2):113 **(Fre)**

[Roentgen picture of the course of purulent sacroiliitis] Konstantinov D. **ROFO** 1984 Feb;140(2):195–9 (Eng. Abstr.) **(Ger)**

[Bacterial infection of the sacroiliac joint] Järvholm U, et al. **Lakartidningen** 1984 May 30;81(22):2278–9 **(Swe)**

RADIONUCLIDE IMAGING

Choice of radiotracer in the study of bone or joint infection in children. Wellman HN, et al. **Ann Radiol (Paris)** 1983 Jun-Jul;26(5):411–20

Diagnosis of acute inflammatory conditions in children and adolescents using In-111 oxine white blood cells. Gainey MA, et al. **Clin Nucl Med** 1984 Feb;9(2):71–4

Unilateral septic sacro-iliitis. Importance of the anterior view of the bone scan. Kumar R, et al. **Clin Nucl Med** 1983 Sep;8(9):413–5

The use of gallium-67 citrate to distinguish between infectious and non-infectious arthritis. Forrester DM, et al. **Clin Rheum Dis** 1983 Aug;9(2):333–45

Improved early diagnosis of acute inflammatory skeletal-articular diseases in children: a two-radiopharmaceutical approach. Handmaker H, et al. **Pediatrics** 1984 May;73(5):661–9

SURGERY

Synovectomy in bacterial arthritis. Törholm C, et al. **Acta Orthop Scand** 1983 Oct;54(5):748–53

Trochanteroplasty in the treatment of infantile septic arthritis of the hip. Dal Monte A, et al. **Ital J Orthop Traumatol** 1984 Jun;10(2):145–52

The Girdlestone procedure in spinal cord injured patients: a ten year experience. Eltorai I. **J Am Paraplegia Soc** 1983 Oct;6(4):85–6

Septic arthritis of the hip in children: poor results after late and inadequate treatment. Fabry G, et al. **J Pediatr Orthop** 1983 Sep;3(4):461–6

[Infected joint fracture. Diagnosis, treatment and results in 63 patients] Giebel G, et al. **Chirurg** 1984 May;55(5):318–25 (Eng. Abstr.) **(Ger)**

[Synovectomy in purulent inflammation of the knee joint] Muhr G, et al. **Orthopade** 1983 Sep;12(4):229–34 **(Ger)**

[Synovectomy in knee joint infection] Giebel G, et al. **Unfallheilkunde** 1984 Feb;87(2):52–7 (Eng. Abstr.) **(Ger)**

[Treatment tactics in postoperative joint infection] Wissing H. **Zentralbl Chir** 1983;108(14):875–82 (Eng. Abstr.) **(Ger)**

THERAPY

Instillation of continuous tube irrigation in the septic knee at arthroscopy. A technique. Gainor BJ. **Clin Orthop** 1984 Mar;(183):96–8

The diagnosis and management of septic arthritis in children [editorial] Norris SH. **J Antimicrob Chemother** 1983 Sep; 12(3):203–5

Acute osteomyelitis and septic arthritis in children. A simple approach to treatment. Learmonth ID, et al. **S Afr Med J** 1984 Jan 28;65(4):117–20

[Arthritis and osteoarthritis of the hip in infants and children. 50 cases. A plea for the immediate treatment in a surgical unit] Lefort J, et al. **Ann Pediatr (Paris)** 1984 Feb; 31(2):103–7 (Eng. Abstr.) **(Fre)**

[Bacterial infectious arthritis. Results of therapy in conservative therapy] Weber S. **Praxis** 1983 Aug 23; 72(34):1106–10 (Eng. Abstr.) **(Ger)**

[Therapy of joint infection following interventions on the soft tissue of the knee joint] Paar O, et al. **Unfallheilkunde** 1983 Nov;86(11):489–91 (Eng. Abstr.) **(Ger)**

[Articular manifestations in septic diseases: a therapeutic concept for infectious arthritis] Lüthy R. **Clin Ter** 1983 Jul 15;106(1):3–9 (Eng. Abstr.) **(Ita)**

TRANSMISSION

Amblyomma americanum: a potential vector of Lyme disease in New Jersey. Schulze TL, et al. **Science** 1984 May 11; 224(4649):601–3

VETERINARY

Transmission and control of caprine arthritis-encephalitis virus. Adams DS, et al. **Am J Vet Res** 1983 Sep; 44(9):1670–5

Augmented T lymphocyte responses and abnormal B

lymphocyte numbers in goats chronically infected with the retrovirus causing caprine arthritis–encephalitis. DeMartini JC, et al. **Am J Vet Res** 1983 Nov;44(11):2064–9

Pathogenesis of chlamydial polyarthritis in domestic animals: characteristics of causative agent. Storz J, et al. **Ann Rheum Dis** 1979;38 Suppl 1:suppl 111–5

Aeromonas hydrophila isolated from polyarthritis in a calf. Love RJ, et al. **Aust Vet J** 1984 Feb;61(2):65

Isolation of Mycoplasma alkalescens from cases of polyarthritis in embryo–transplant calves. Whithear KG. **Aust Vet J** 1983 Jun;60(6):191–2

Immune rabbit sera do not recognize antigenic variants of caprine arthritis–encephalitis virus isolated during persistent infection. Anderson LW, et al. **Infect Immun** 1983 Nov;42(2):845–7

Spirochete–associated arthritis (Lyme disease) in a dog. Lissman BA, et al. **J Am Vet Med Assoc** 1984 Jul 15; 185(2):219–20

Systemic salmonellosis in an African gray parrot and salmonella osteomyelitis in canaries. Panigrahy B, et al. **J Am Vet Med Assoc** 1983 Sep 15;183(6):699–700

The use of equine anti–endotoxin hyperimmune serum in the treatment of septic arthritis in foals. Thomson M. **J S Afr Vet Assoc** 1983 Dec;54(4):279–81

Expression of viral arthritis–tenosynovitis infection in immunosuppressed chickens. Naqi S, et al. **Poult Sci** 1984 Apr;63(4):825–7

Clinical findings and pathological changes in Histophilus ovis infections of sheep. Webb RF. **Res Vet Sci** 1983 Jul; 35(1):30–4

Infectious causes of lameness proximal to the foot. Adams DS. **Vet Clin North Am [Large Anim Pract]** 1983 Nov; 5(3):499–509 (29 ref.)

Treatment of infectious arthritis. McIlwraith CW. **Vet Clin North Am [Large Anim Pract]** 1983 Jul;5(2):363–79 (35 ref.)

Morphologic changes following intraarticular inoculation of Mycoplasma bovis in calves. Ryan MJ, et al. **Vet Pathol** 1983 Jul;20(4):472–87

Infectious (septic) arthritis of the distal intertarsal and tarsometatarsal joint in cattle. Merkens HW, et al. **Vet Rec** 1984 Mar 3;114(9):212–3

[Pathomorphology of Mycoplasma arthritis] Gylstorff I. **DTW** 1983 Aug 8;90(8):299–303 (38 ref.) (Eng. Abstr.) **(Ger)**

[Clinical and pathologico–anatomic observations in experimental Mycoplasma arthritis of goats] Stünzi H, et al. **DTW** 1983 Aug 8;90(8):303–7 (Eng. Abstr.) **(Ger)**

ARTHRITIS, JUVENILE RHEUMATOID

Pauciarticular arthritis of childhood (pauciarticular juvenile rheumatoid arthritis). Schaller JG. **Ann Pediatr (Paris)** 1983 Oct;30(8):557–63

BLOOD

Blood gold concentrations in children with juvenile rheumatoid arthritis undergoing long–term oral gold therapy. Giannini EH, et al. **Ann Rheum Dis** 1984 Apr; 43(2):228–31

CLASSIFICATION

Chronic juvenile arthritis: a search for its identity. Mozziconacci P. **Ann Pediatr (Paris)** 1983 Oct;30(8):539–42

[Nosologic aspects of systemic forms of very early onset juvenile arthritis. Apropos of 17 cases] Prieur AM, et al. **Ann Pediatr (Paris)** 1983 Oct;30(8):565–9 (Eng. Abstr.) **(Fre)**

[Chronic juvenile arthritis] Hoyoux C, et al. **Rev Med Liege** 1984 Feb 15;39(4):149–55 **(Fre)**

[Nosologic aspects of systemic forms of very–early–onset juvenile arthritis. Apropos of 17 cases] Prieur AM, et al. **Sem Hop Paris** 1984 Jan 26;60(3):163–7 (Eng. Abstr.) **(Fre)**

[Age–related characteristics of the pauciarticular variant of an articular form of juvenile rheumatoid arthritis] Ivanov OF, et al. **Pediatriia** 1983 Nov;(11):36–8 **(Rus)**

[Juvenile rheumatoid arthritis – an articular–visceral form] Shakhbazian IE. **Pediatriia** 1983 Nov;(11):28–31 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Prolonged remission of juvenile rheumatoid arthritis (Still's disease) following measles. Urbach J, et al. **Acta Paediatr Scand** 1983 Nov;72(6):917–8

Infection and interferon production in systemic juvenile chronic arthritis: a prospective study. de Vere–Tyndall A, et al. **Ann Rheum Dis** 1984 Feb;43(1):1–7

Diaphragmatic weakness and myositis associated with systemic juvenile rheumatoid arthritis. Braidy JF, et al. **Can Med Assoc J** 1984 Jan 1;130(1):47–9

Disseminated intravascular coagulation complicating systemic juvenile chronic arthritis ('Still's disease'). De Vere–Tyndall A, et al. **Clin Rheumatol** 1983 Dec;2(4):415–8

Consumption coagulopathy associated with systemic juvenile rheumatoid arthritis. Silverman ED, et al. **J Pediatr** 1983 Dec;103(6):872–6

Destructive arthritis of the hip in juvenile rheumatoid arthritis. Herring JA. **J Pediatr Orthop** 1984 Mar; 4(2):259–61

Cardiac tamponade in systemic juvenile rheumatoid arthritis requiring emergency pericardiectomy. Alukal MK, et al. **J Rheumatol** 1984 Apr;11(2):222–5

Pyrophosphate arthropathy as a late complication of juvenile chronic arthritis. Doherty M, et al. **J Rheumatol** 1984 Apr; 11(2):219–21

Adult Still's disease complicated by cardiac tamponade [letter] **JAMA** 1983 Dec 23–30;250(24):3282–3

Acquired Brown's syndrome in children with juvenile rheumatoid arthritis. Wang FM, et al. **Ophthalmology** 1984 Jan;91(1):23–6

Ocular findings in pediatric systemic disease. Richard JM, et al. **Pediatr Clin North Am** 1983 Dec;30(6):1123–44

Late sequelae of juvenile rheumatoid arthritis of the hip: a follow–up study into adulthood. Patriquin HB, et al. **Pediatr Radiol** 1984;14(3):151–7

Juvenile arthritis and myelodysplasia. Doughty RA. **Pediatrics** 1984 Mar;73(3):402

Juvenile rheumatoid arthritis sparing the lower extremities in a girl with myelodysplasia. Laxer RM, et al. **Pediatrics** 1984 Mar;73(3):400–1

Echocardiographic detection of early cardiac involvement in juvenile rheumatoid arthritis. Marin–Garcia J, et al. **Pediatrics** 1984 Mar;73(3):394–7

[Adult–onset Still's disease complicated with bone marrow anomalies and herpes zoster] Yang BY, et al. **Taiwan I Hsueh Hui Tsa Chih** 1984 May;83(5):491–8 (Eng. Abstr.) **(Chi)**

[Articular prognosis of the systemic form of chronic juvenile arthritis (100 cases)] Mozziconacci P, et al. **Ann Pediatr (Paris)** 1983 Oct;30(8):553–6 (Eng. Abstr.) **(Fre)**

[Incidence and prognosis of ocular involvement in chronic juvenile rheumatism] Bertoni G, et al. **Bull Soc Belge Ophtalmol** 1983;204–205:77–83 (Eng. Abstr.) **(Fre)**

[Involvement of the cervical spine in chronic juvenile arthritis. 29 cases followed for more than 5 years] Sallière D, et al. **Sem Hop Paris** 1984 Jan 19;60(2):97–101 (Eng. Abstr.) **(Fre)**

[Case of juvenile rheumatoid arthritis presenting as fever of unknown origin and positive diagnosis established after reaching adulthood] Shiozawa S, et al. **Ryumachi** 1983 Jun; 23(3):147–54 (Eng. Abstr.) **(Jpn)**

[Juvenile rheumatoid arthritis and constrictive pericarditis with effusion] Saraiva LR, et al. **Arq Bras Cardiol** 1983 Aug;41(2):137–42 (Eng. Abstr.) **(Por)**

[Case of concomitant rheumatoid arthritis and tuberculosis] Ivanova MV, et al. **Pediatriia** 1983 Jun;(6):69–71 **(Rus)**

[Characteristics of secondary amyloidosis in juvenile rheumatoid arthritis] Ulybina OV, et al. **Pediatriia** 1983 Nov;(11):31–5 (Eng. Abstr.) **(Rus)**

[Features of the pre– and postoperative management of patients with eye lesions in juvenile rheumatoid arthritis] Kasparov AA, et al. **Vestn Oftalmol** 1984 Jul–Aug;(4):48–50 (Eng. Abstr.) **(Rus)**

[Lymphadenopathy in Still's disease of the adult (letter)] **Med Clin (Barc)** 1984 Mar 24;82(11):515–6 **(Spa)**

DIAGNOSIS

The cervical spine in juvenile rheumatoid arthritis. Fried JA, et al. **Clin Orthop** 1983 Oct;(179):102–6

Adult onset Still's disease without a rash. Bhanji AB, et al. **J R Soc Med** 1984 Jul;77(7):617–8

Still's arthritis in adults: disease or syndrome? Del Paine DW, et al. **J Rheumatol** 1983 Oct;10(5):758–62

Juvenile rheumatoid arthritis. Alepa FP. **Primary Care** 1984 Jun;11(2):243–58

[Less common localizations of juvenile chronic arthritis from the viewpoint of surgical treatment] Holec E, et al. **Acta Chir Orthop Traumatol Cech** 1983 Dec;50(6):506–12 (Eng. Abstr.) **(Cze)**

[Joint symptoms in children: suspicion justified] de Jongste JC, et al. **Ned Tijdschr Geneeskd** 1984 Apr 28;128(17):793–5 **(Dut)**

[Forms of chronic juvenile arthritis] Hertzberger–ten Cate R, et al. **Ned Tijdschr Geneeskd** 1983 Dec 3;127(49):2217–9 **(Dut)**

[Osteoarthritis and tuberculous multifocal synovitis. Apropos of a case simulating chronic juvenile arthritis] Larbre F, et al. **Ann Pediatr (Paris)** 1983 Oct;30(8):601–4 (Eng. Abstr.) **(Fre)**

[Chronic inflammatory rheumatism in children and the HLA B27 antigen] Louis JJ, et al. **Pediatrie** 1983 Oct–Nov; 38(7):453–64 (Eng. Abstr.) **(Fre)**

[Joint prognosis in systemic chronic juvenile arthritis (100 cases)] Mozziconacci P, et al. **Sem Hop Paris** 1983 Dec 22;59(48):3357–60 (Eng. Abstr.) **(Fre)**

[Chronic juvenile arthritis—difficult early diagnosis—differentiation of arthropathies in the patient case load of a juvenile arthritis hospital] Schuchmann L, et al. **Klin Padiatr** 1983 Nov–Dec;195(6):405–10 (Eng. Abstr.) **(Ger)**

[Epidemiological, clinical and laboratory aspects of false acute articular rheumatism. Relation between acute articular rheumatism and viral arthralgia] Chiappo GF, et al. **Arch Sci Med (Torino)** 1983 Jul–Sep;140(3):323–6 (Eng. Abstr.) **(Ita)**

[Clinical aspects of rheumatoid arthritis in children of Crimean Province] Ivanova MV, et al. **Revmatologiia (Moskva)** 1983 Jul–Sep;(3):55–6 **(Rus)**

[Tricho–rhino–phalangeal syndrome treated as juvenile chronic arthritis] Mozolová D, et al. **Cesk Pediatr** 1984 Mar;39(3):174–6 (Eng. Abstr.) **(Slo)**

[Still's disease in an adult (letter)] Pastor Gómez JM, et al. **Med Clin (Barc)** 1983 Sep 24;81(8):366–7 **(Spa)**

[Juvenile rheumatoid arthritis with adult onset. Report of 5 cases] Hübscher O, et al. **Medicina (B Aires)** 1983; 43(5):483–7 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Early experiences with auranofin in juvenile rheumatoid arthritis. Brewer EJ Jr, et al. **Am J Med** 1983 Dec 30; 75(6A):152–6

Juvenile rheumatoid arthritis. Brewer EJ, et al. **Clin Rheum Dis** 1983 Dec;9(3):629–40

Ethical aspects of drug therapy in children. Baum J. **Clin Rheumatol** 1982 Mar;1(1):45–6

Auranofin in juvenile rheumatoid arthritis. An open label, non–controlled study. Garcia–Morteo O, et al. **Clin Rheumatol** 1984 Jun;3(2):223–7

Pharmacologic treatment of juvenile arthritis. Baum J. **Compr Ther** 1983 Sep;9(9):8–13

D–penicillamine induced polymyositis in juvenile chronic arthritis: report of a case [letter] Swartz MO, et al. **J Rheumatol** 1984 Apr;11(2):251–2

Joint calcification following intra–articular corticosteroid therapy. Gilsanz V, et al. **Radiology** 1984 Jun;151(3):647–9

Treatment of juvenile rheumatoid arthritis with diclofenac sodium. Haapasaari J, et al. **Scand J Rheumatol** 1983; 12(4):325–30

Gold in rheumatoid arthritis therapy today. Paediatrics. Svantesson H. **Scand J Rheumatol [Suppl]** 1983;51:125–6

[Penicillamine in the treatment of juvenile chronic arthritis] Hoza J, et al. **Cesk Pediatr** 1983 Dec;38(12):744–5 (Eng. Abstr.) **(Cze)**

[Treatment with ibuprofen from the viewpoint of the pediatric ophthalmologist] Rehuřková M, et al. **Cesk Pediatr** 1983 Jul;38(7):427–9 (Eng. Abstr.) **(Cze)**

[Results of treatment of children with rheumatoid arthritis with ketoprofen (profenid)] Siemieńska S, et al. **Pediatr Pol** 1983 Apr;58(4):347–51 (Eng. Abstr.) **(Pol)**

[Treatment of rheumatoid arthritis in children with nonsteroidal anti–inflammatory preparations] Ulybina OV. **Pediatriia** 1983 Dec;(12):46 **(Rus)**

[Drug treatment of patients with juvenile rheumatoid arthritis (a review of the literature)] Bondar' MV, et al. **Vrach Delo** 1984 Apr;(4):11–5 (46 ref.) **(Rus)**

ETIOLOGY

[Still's disease in an adult, caused by a Yersinia enterocolitica infection (letter)] Colebunders R, et al. **Ann Dermatol Venereol** 1983;110(10):863 **(Fre)**

[Chronic polyarthritis in cystic fibrosis] De Lumley L, et al. **Arch Fr Pediatr** 1983 Nov;40(9):723–5 (Eng. Abstr.) **(Fre)**

FAMILIAL & GENETIC

Pauciarticular juvenile rheumatoid arthritis: clinical and immunogenetic aspects. Fink CW, et al. **Ann Rheum Dis** 1979;38 Suppl 1:suppl 79–83

Psoriasis, peripheral arthritis, sacroiliitis and juvenile chronic arthritis: a family study in relation to segregation of HLA antigens. Marcusson JA, et al. **J Rheumatol** 1983 Aug; 10(4):619–23

Inherited predisposition to iridocyclitis with juvenile rheumatoid arthritis: selectivity among HLA–DR5 haplotypes. Miller ML, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(11):3539–42

[Dermatoglyphic characteristics in rheumatoid arthritis] Kaladze NN, et al. **Ter Arkh** 1984;56(5):60–2 (Eng. Abstr.) **(Rus)**

HISTORY

Probable depiction of juvenile arthritis by Sandro Botticelli. Alarcón–Segovia D, et al. **Arthritis Rheum** 1983 Oct; 26(10):1266–8

IMMUNOLOGY

Juvenile chronic arthritis with persistently positive tests for rheumatoid factor (sero–positive juvenile rheumatoid arthritis). Ansell BM. **Ann Pediatr (Paris)** 1983 Oct; 30(8):545–50

Adult Still's disease caused by Yersinia enterocolitica infection. Colebunders R, et al. **Arch Intern Med** 1984 Sep; 144(9):1880–2

Peripheral T cell subset modifications induced by steroid pulse in a case of Still's disease [letter] Faure G, et al. **Arthritis Rheum** 1984 Jun;27(6):718–9

Anti–F(ab')2 antibodies that interfere with interpretation of the anti–C3 assay for immune complexes in children with rheumatic diseases. Olds LC, et al. **Arthritis Rheum** 1984 Mar;27(3):330–6

Interferon system in patients with systemic juvenile chronic arthritis: in vivo and in vitro studies. Bacon TH, et al. **Clin Exp Immunol** 1983 Oct;54(1):23–30

Precipitation of 19S IgM rheumatoid factor–IgG circulating immune complexes in patients with juvenile arthritis by polyethylene glycol and separation by immobilized protein A. Moore TL, et al. **Clin Exp Immunol** 1984 May; 56(2):247–52

Chronic arthritis in children. Juvenile rheumatoid arthritis.

Schaller JG. **Clin Orthop** 1984 Jan-Feb;(182):79-89

Specific HLA-DR4-associated histocompatibility molecules characterize patients with seropositive juvenile rheumatoid arthritis. Nepom BS, et al. **J Clin Invest** 1984 Jul; 74(1):287-91

Anti-T cell antibody in juvenile rheumatoid arthritis. Borel Y, et al. **J Rheumatol** 1984 Feb;11(1):56-61

HLA antigens in black and white patients with juvenile arthritis: associations with rheumatoid factor, hidden rheumatoid factor, antinuclear antibodies, and immune complex levels. Moore TL, et al. **J Rheumatol** 1984 Apr; 11(2):188-96

Immune complexes in juvenile chronic arthritis. Latzka U, et al. **Rheumatol Int** 1984;4(1):45-8

Persistent and transient IgA deficiency in juvenile rheumatoid arthritis. Pelkonen P, et al. **Scand J Rheumatol** 1983;12(3):273-9

Autoantibodies in juvenile arthritis. Moore TL, et al. **Semin Arthritis Rheum** 1984 May;13(4):329-36

Increase of HLA-'DRw6' in patients with juvenile chronic arthritis. Reekers P, et al. **Tissue Antigens** 1983 Oct; 22(4):283-8

[Immunologic and genetic aspects of juvenile chronic arthritis] Eckschlager T, et al. **Cesk Pediatr** 1984 Jun; 39(6):318-20 (Eng. Abstr.) (Cze)

[Clinical and laboratory study in patients with chronic arthropathies and related diseases after treatment with thymostimulin] Mignone F, et al. **Minerva Pediatr** 1984 Apr 15;36(7):337-42 (Eng. Abstr.) (Ita)

[Antilymphocyte antibodies in the sera of children with juvenile rheumatoid arthritis and rheumatic fever] Prusek W, et al. **Pol Tyg Lek** 1984 Jan 9;39(2):41-6 (Eng. Abstr.) (Pol)

[Correction of secondary immunodeficiency with antilymphocyte sera and gamma globulins] Antonenko VT, et al. **Vrach Delo** 1983 Sep;(9):72-5 (Eng. Abstr.) (Rus)

METABOLISM

Acid labile alpha-interferon in sera and synovial fluids from patients with juvenile arthritis. Arvin AM, et al. **Arthritis Rheum** 1984 May;27(5):582-5

Pharmacokinetics of fenclofenac in children with juvenile rheumatoid arthritis. Mäkelä AL, et al. **Eur J Clin Pharmacol** 1983;25(3):381-8

OCCURRENCE

The epidemiology of juvenile arthritis in Rochester, Minnesota 1960-1979. Towner SR, et al. **Arthritis Rheum** 1983 Oct;26(10):1208-13

Juvenile chronic arthritis in black and Indian South African children. Haffejee IE, et al. **S Afr Med J** 1984 Mar 31; 65(13):510-4

PATHOLOGY

[Pulmonary tuberculosis in an adolescent under long-term treatment for rheumatism] Lebedeva LV, et al. **Probl Tuberk** 1984 Mar;(3):66-7 (Rus)

PHYSIOPATHOLOGY

[Simplified graphic representation of the evolution of articular function] Schwab P. **Ann Pediatr (Paris)** 1983 Oct; 30(8):611-2 (Eng. Abstr.) (Fre)

[Prognosis of the systemic forms of juvenile chronic arthritis. Apropos of 100 cases] Prieur AM, et al. **Arch Fr Pediatr** 1984 Feb;41(2):91-7 (Eng. Abstr.) (Fre)

[Collagen diseases in children, with special reference to transition to an adult type] Okuni M. **Ryumachi** 1983 Dec; 23(6):389-91 (Jpn)

[Clinical evaluation of regional blood flow in children with arthritis of differing etiology] Gerasimova ON. **Pediatriia** 1983 Jun;(6):35-6 (Rus)

[Electroencephalographic study in patients with chronic juvenile arthritis] Zeškov P, et al. **Reumatizam** 1984; 31(1-2):10-2 (Eng. Abstr.) (Scr)

PSYCHOLOGY

[Social adaptation of children with juvenile rheumatoid arthritis] Andresová S, et al. **Fysiatr Reumatol Vestn** 1984 Feb;62(1):26-9 (Eng. Abstr.) (Cze)

[Psycho-educational and social care of children with chronic juvenile arthritis in Sweden] Svantesson H, et al. **Ann Pediatr (Paris)** 1983 Oct;30(8):605-9 (Eng. Abstr.) (Fre)

RADIOGRAPHY

Skeletal changes in neuromuscular disorders mimicking juvenile rheumatoid arthritis and hemophilia. Richardson ML, et al. **AJR** 1984 Oct;143(4):893-7

[Cervical spine involvement in chronic juvenile arthritis. Review of 29 cases of more than 5 years' development] Sallière D, et al. **Ann Pediatr (Paris)** 1983 Oct;30(8):573-7 (Eng. Abstr.) (Fre)

REHABILITATION

[Rehabilitation of children with chronic juvenile arthritis] Beltramo F, et al. **Ann Pediatr (Paris)** 1983 Oct; 30(8):615-22 (Eng. Abstr.) (Fre)

[Prognosis and rehabilitation in juvenile rheumatoid arthritis (editorial)] Okuni M. **Ryumachi** 1983 Jun;23(3):133-4 (Jpn)

[Surgical rehabilitation of children with rheumatoid arthritis] Aliakin LN, et al. **Revmatologiia (Moskva)** 1983 Oct-Dec; (4):5-10 (Eng. Abstr.) (Rus)

[The state of various components of the kallikrein-kinin system of the blood plasma in children with rheumatoid arthritis during sanatorium and health resort treatment] Kudria VI. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Mar-Apr;(2):31-3 (Eng. Abstr.) (Rus)

SURGERY

Total hip and total knee arthroplasty in juvenile rheumatoid arthritis. Scott RD, et al. **Clin Orthop** 1984 Jan-Feb; (182):90-8

Total knee arthroplasty in juvenile rheumatoid arthritis. Sarokhan AJ, et al. **J Bone Joint Surg [Am]** 1983 Oct; 65(8):1071-80

Total hip arthroplasty performed during adolescence. Roach JW, et al. **J Pediatr Orthop** 1984 Aug;4(4):418-21

[Surgical indication in chronic juvenile arthritis] Touzet P, et al. **Ann Pediatr (Paris)** 1983 Oct;30(8):625-8 (Eng. Abstr.) (Fre)

[Anesthesiologic and infusion-transfusion tactics in pediatric orthopedic surgery] Korolenko OA. **Ortop Travmatol Protez** 1983 Oct;(10):57-8 (Rus)

THERAPY

Improving compliance with medical regimens: case study with juvenile rheumatoid arthritis. Rapoff MA, et al. **Arch Phys Med Rehabil** 1984 May;65(5):267-9

Optimum Management of juvenile chronic polyarthritis. Calabro JJ. **Drugs** 1983 Dec;26(6):530-42

The management of chronic arthritis of children. Ansell BM, et al. **J Bone Joint Surg [Br]** 1983 Nov;65(5):536-43

Adult Still's disease. Evolution of a clinical syndrome and diagnosis, treatment, and follow-up of 17 patients. Larson EB. **Medicine (Baltimore)** 1984 Mar;63(2):82-91

[Conservative treatment of temporomandibular joint lesions in children with rheumatoid arthritis] Drecka-Kuzan K, et al. **Reumatologia** 1982;20(3-4):173-82 (Eng. Abstr.) (Pol)

[Hyperbaric oxygenation in the complex treatment of juvenile rheumatoid arthritis] Seilanov GK, et al. **Pediatriia** 1983 Nov;(11):60-1 (Rus)

URINE

[Catecholamine excretion in children with juvenile rheumatoid arthritis] Rapoport ZhZh, et al. **Revmatologiia (Moskva)** 1984 Apr-Jun;(2):45-8 (Eng. Abstr.) (Rus)

ARTHRITIS, RHEUMATOID

Social, economic, psychologic, and sexual outcomes in rheumatoid arthritis. Ehrlich GE. **Am J Med** 1983 Dec 30;75(6A):27-34

Scientific abstracts: 48th annual meeting, American Rheumatism Association; 18th annual meeting, Arthritis Health Professions Association. June 5-9, 1984, Minneapolis, Minnesota. **Arthritis Rheum** 1984 Apr;27(4 Suppl):S1-135

Rheumatoid arthritis. Barraclough D. **Aust Fam Physician** 1983 Jul;12(7):Suppl 2-10

Rheumatoid arthritis. Thurnau GR. **Clin Obstet Gynecol** 1983 Sep;26(3):558-78 (90 ref.)

The natural history of rheumatoid arthritis: a fifteen year follow-up study. The prognostic significance of features noted in the first year. Rasker JJ, et al. **Clin Rheumatol** 1984 Mar;3(1):11-20

Difficult intubation in a patient with rheumatoid arthritis. A case report. Roelofse JA, et al. **S Afr Med J** 1983 Oct 15;64(17):679-80

[Proceedings of the 27th scientific session of the Japan Rheumatism Association. June 1-2, 1983, Kyoto City, Japan. With abstracts] **Ryumachi** 1983 Dec;23(6):385-581 (Jpn)

BLOOD

Serum amyloid-A protein concentration in rheumatoid arthritis and its role in monitoring disease activity. Chambers RE, et al. **Ann Rheum Dis** 1983 Dec;42(6):665-7

Thrombocytosis of active rheumatoid disease. Farr M, et al. **Ann Rheum Dis** 1983 Oct;42(5):545-9

Osteosclerosis and new bone formation in young onset and late onset rheumatoid arthritis according to rheumatoid factor seropositivity [letter] Ferraccioli GF, et al. **Ann Rheum Dis** 1984 Aug;43(4):661-2

Gold levels produced by treatment with auranofin and sodium aurothiomalate. Lewis D, et al. **Ann Rheum Dis** 1983 Oct;42(5):566-70

Circadian variation in biochemical assessments used to monitor rheumatoid arthritis. Sitton NG, et al. **Ann Rheum Dis** 1984 Jun;43(3):444-50

Thrombokinetics in patients with rheumatoid arthritis treated with D-penicillamine. Thomas D, et al. **Ann Rheum Dis** 1984 Jun;43(3):402-6

Preliminary results of serum androgen level testing in men with rheumatoid arthritis [letter] Cutolo M, et al. **Arthritis Rheum** 1984 Aug;27(8):958-9

Serum C1q levels as a prognostic guide to articular erosions in patients with rheumatoid arthritis. Ochi T, et al. **Arthritis Rheum** 1984 Aug;27(8):883-7

Protein binding of non-steroidal anti-inflammatory drugs in rheumatoid arthritis [letter] Selley ML. **Br J Clin Pharmacol** 1984 Mar;17(3):367-8

A comparison of platelet count and acute phase proteins in the measurement of disease activity in rheumatoid arthritis. Dixon JS, et al. **Br J Rheumatol** 1983 Nov;22(4):233-8

Unbound plasma salicylate concentration in rheumatoid arthritis patients. Gurwich EL, et al. **Br J Rheumatol** 1984 Feb;23(1):66-73

Detection of alpha 2-macroglobulin-associated proteases in the plasma of patients with rheumatoid arthritis. Gaspar A, et al. **Clin Chem** 1984 Sep;30(9):1517-22

Characterization of blood mononuclear cells of rheumatoid arthritis patients. II. Depressed PPD presentation by monocytes to T lymphocytes. Seitz M, et al. **Clin Immunol Immunopathol** 1983 Nov;29(2):242-53

Pharmacokinetics of the major metabolites of D-penicillamine in patients with rheumatoid arthritis. Carruthers G, et al. **Clin Invest Med** 1984;7(1):35-40

Plasma levels and response to prednisolone therapy in rheumatoid arthritis. De Silva M, et al. **Clin Rheumatol** 1983 Sep;2(3):299-302

Serum lipids and lipoprotein concentrations in women with rheumatoid arthritis. Heldenberg D, et al. **Clin Rheumatol** 1983 Dec;2(4):387-91

Investigations on vitamin E and lipid peroxide status in rheumatic diseases. Mezes M, et al. **Clin Rheumatol** 1983 Sep;2(3):259-63

Glutathione and selenium in rheumatoid arthritis. Möttönen T, et al. **Clin Rheumatol** 1984 Jun;3(2):195-200

Joint fluid leukocytosis of patients with rheumatoid arthritis evidence for neutrophil and monocyte chemotaxis in vivo. Norberg B, et al. **Clin Rheumatol** 1983 Sep;2(3):237-42

Serum ferritin and iron uptake by peripheral blood leucocytes in patients with active rheumatoid arthritis. Singer F, et al. **Clin Rheumatol** 1982 Dec;1(4):267-73

The clinical significance of eosinophilia in rheumatoid arthritis in a tropical country. Lutalo SK. **East Afr Med J** 1983 May;60(5):332-6

Decrease of in vitro serum protein binding of salicylate in rheumatoid arthritis. Netter P, et al. **Eur J Drug Metab Pharmacokinet** 1984 Apr-Jun; 9(2):109-16

Peripheral blood T lymphocyte subpopulations defined by monoclonal antibodies in rheumatoid arthritis: distribution in patients untreated and treated by oral gold therapy. Mathieu A, et al. **Eur J Rheumatol Inflamm** 1983;6(2):182-6

Serum copper and caeruloplasmin are higher in seropositive than seronegative rheumatoid arthritis. Oriente P, et al. **Eur J Rheumatol Inflamm** 1983;6(2):163-7

The covalent structure of amyloid-related serum protein SAA from two patients with inflammatory disease. Sletten K, et al. **Hoppe Seylers Z Physiol Chem** 1983 Aug; 364(8):1039-46

Manganese-containing superoxide-dismutase deficiency in polymorphonuclear leukocytes of adults with rheumatoid arthritis. Pasquier C, et al. **Inflammation** 1984 Mar; 8(1):27-32

Serum levels of C1 subunits in rheumatoid arthritis. Rosano CL, et al. **J Lab Clin Med** 1984 Feb;103(2):313-21

beta 2 microglobulin plasma levels reflect disease activity in rheumatoid arthritis. Crisp AJ, et al. **J Rheumatol** 1983 Dec;10(6):954-6

Low sulphydryl levels: a marker of lymphocyte activation? [letter] Grimaldi MG. **J Rheumatol** 1983 Aug;10(4):669-70

Rheumatoid arthritis: is serum vitamin B12 high in active disease? Grindulis KA, et al. **J Rheumatol** 1984 Apr; 11(2):211-2

Suppression of superoxide generation by normal polymorphonuclear leucocytes preincubated in plasma from patients with rheumatoid arthritis and neutropenia. Friman C, et al. **Med Biol** 1984;62(2):89-90

Serum copper and ceruloplasmin levels in rheumatoid arthritis and degenerative joint disease and their pharmacological implications. Conforti A, et al. **Pharmacol Res Commun** 1983 Oct;15(9):859-67

An improved method of determination of SH group concentration and reactivity in plasma of patients with various clinical disorders and in rats after administration of indomethacin or carbon tetrachloride. di Simplicio P. **Pharmacol Res Commun** 1983 Oct;15(9):805-14

Increased numbers of active B cells in the circulation of patients with rheumatoid arthritis. Corke CF, et al. **Rheumatol Int** 1984;4(1):19-21

Antiperinuclear factor in an Italian series of patients with rheumatoid arthritis. Cassani F, et al. **Ric Clin Lab** 1983 Jul-Sep;13(3):347-52

Comparison between serum alpha 2-pregnancy-associated globulin and activity of rheumatoid arthritis and ankylosing spondylitis during pregnancy. Ostensen M, et al. **Scand J Rheumatol** 1983;12(3):315-8

[Cytochemical study of leukocyte cationic proteins in rheumatoid arthritis patients] Tsvetkova T, et al. **Vutr Boles** 1983;22(1):72-5 (Eng. Abstr.) (Bul)

[Study of plasma androgens in women with autoimmune diseases] Dougados M, et al. **Rev Rhum Mal Osteoartic** 1984 Mar;51(3):145-9 (Eng. Abstr.) (Fre)

[Trace elements and metalloproteins in rheumatoid arthritis] Aaseth J, et al. **Tidsskr Nor Laegeforen** 1983 Aug 30; 103(24):1694-6 (Eng. Abstr.) (Nor)

[Blood levels of various bioelements in patients with rheumatoid arthritis and ankylosing spondylitis during

balneological treatment at the Busko health resort] Zielonka E, et al. **Reumatologia** 1982;20(3–4):209–15 (Eng. Abstr.) **(Pol)**

[Sulfur and selenium levels in the blood of patients with rheumatoid arthritis and ankylosing spondylitis] Zielonka E, et al. **Reumatologia** 1982;20(3–4):217–20 (Eng. Abstr.) **(Pol)**

[T-lymphocytes in rheumatoid arthritis in children] Sheliia NV, et al. **Pediatriia** 1983 Sep;(9):66 **(Rus)**

[Dynamics of the patient's proteinogram in rheumatoid arthritis and systemic lupus erythematosus as affected by hemosorption therapy] Dmitriev AA, et al. **Ter Arkh** 1984; 56(5):81–4 (Eng. Abstr.) **(Rus)**

[Serum glycosaminoglycans in osteoarthrosis deformans and rheumatoid arthritis] Kosiagin DV, et al. **Ter Arkh** 1983; 55(7):74–7 (Eng. Abstr.) **(Rus)**

[Diagnostic value of examining basophilic leukocytes in the peripheral blood in rheumatism and rheumatoid arthritis] Moshchich VP. **Vrach Delo** 1983 Sep;(9):32–4 (Eng. Abstr.) **(Rus)**

[Alpha 1-antitrypsin phenotype and rheumatoid arthritis] Calderón Rodríguez J, et al. **Med Clin (Barc)** 1983 Jul 16; 81(5):191–3 (Eng. Abstr.) **(Spa)**

CHEMICALLY INDUCED

The antithyroid arthritis syndrome reviewed. Shabtai R, et al. **Arthritis Rheum** 1984 Feb;27(2):227–9

CLASSIFICATION

[Classification of hip joint involvement in rheumatoid polyarthritis] Thabe H. **Fortschr Med** 1983 Oct 6; 101(37):1645–9 (Eng. Abstr.) **(Ger)**

[Clinical signs of rheumatoid arthritis in the elderly] Erov NK. **Revmatologiia (Moskva)** 1983 Oct–Dec;(4):23–6 (Eng. Abstr.) **(Rus)**

[Long-term prospective study of the clinical variants of rheumatoid arthritis using multidimensional statistical analysis] Krel' AA, et al. **Ter Arkh** 1984;56(5):68–75 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Temporomandibular joint involvement and dental occlusion in a group of adults with rheumatoid arthritis. Larheim TA, et al. **Acta Odontol Scand** 1983 Oct;41(5):301–9

Atlanto-occipital dislocation in rheumatoid arthritis. Redlund-Johnell I. **Acta Radiol [Diagn] (Stockh)** 1984; 25(3):165–8

A triple autoimmune association. Sánchez-Ibarrola A, et al. **Allergol Immunopathol (Madr)** 1983 Sep–Oct;11(5):385–6

Coexistence of rheumatoid arthritis with thrombotic events [letter] Loftin EB. **Am Fam Physician** 1984 Jun;29(6):47,50

Emergencies in rheumatoid arthritis. Weiner SR. **Am Fam Physician** 1984 Jun;29(6):127–31

Rheumatoid mitral stenosis requiring valve replacement. Bortolotti U, et al. **Am Heart J** 1984 May;107(5 Pt 1):1049–51

Intravenous cyclophosphamide plus methylprednisolone in treatment of systemic rheumatoid vasculitis. Scott DG, et al. **Am J Med** 1984 Mar;76(3):377–84

Rheumatoid arthritis and pure red cell aplasia. Dessypris EN, et al. **Ann Intern Med** 1984 Feb;100(2):202–6

Spontaneous remission of glaucoma in scleromalacia perforans: a case report. Perlstein SH, et al. **Ann Ophthalmol** 1984 Mar;16(3):229–30

Lateral subluxation of the atlas in rheumatoid arthritis: a case report and post-mortem study. Bogduk N, et al. **Ann Rheum Dis** 1984 Apr;43(2):341–6

Shoulder joint rupture and pseudothrombosis in rheumatoid arthritis. De Jager JP, et al. **Ann Rheum Dis** 1984 Jun; 43(3):503–4

Nutritional status in patients with rheumatoid arthritis. Helliwell M, et al. **Ann Rheum Dis** 1984 Jun;43(3):386–90

Haematuria in rheumatoid arthritis: an association with mesangial glomerulonephritis. Hordon LD, et al. **Ann Rheum Dis** 1984 Jun;43(3):440–3

Progressive cavitating pulmonary changes in rheumatoid arthritis: a case report. Macfarlane JD, et al. **Ann Rheum Dis** 1984 Feb;43(1):98–101

Incidence of metabolic bone disease in rheumatoid arthritis and osteoarthritis. Ng KC, et al. **Ann Rheum Dis** 1984 Jun; 43(3):370–7

Coeliac disease and rheumatoid arthritis. Parke AL, et al. **Ann Rheum Dis** 1984 Jun;43(3):378–80

Spontaneous rupture of the spleen in RA [letter] Peña JM, et al. **Ann Rheum Dis** 1984 Jun;43(3):539

Cancer morbidity in rheumatoid arthritis. Prior P, et al. **Ann Rheum Dis** 1984 Apr;43(2):128–31

Lymphoproliferative malignancy in rheumatoid arthritis: a study of 20 cases. Symmons DP, et al. **Ann Rheum Dis** 1984 Apr;43(2):132–5

Sweet's syndrome associated with rheumatoid arthritis. Harary AM. **Arch Intern Med** 1983 Oct;143(10):1993–5

Suppressor T cell function in patients with rheumatoid arthritis complicated by vasculitis. Abe T, et al. **Arthritis Rheum** 1984 Jul;27(7):752–9

Does hyperuricemia protect from rheumatoid inflammation? A clinical study. Agudelo CA, et al. **Arthritis Rheum** 1984 Apr;27(4):443–8

Arthritis in beta-thalassemia minor [letter] Górriz L, et al. **Arthritis Rheum** 1983 Oct;26(10):1292–3

Rheumatoid myositis. Clinical and histologic features and possible pathogenesis. Halla JT, et al. **Arthritis Rheum** 1984 Jul;27(7):737–43

Laryngeal involvement in rheumatoid arthritis. A clinical, laryngoscopic, and computerized tomographic study. Lawry GV, et al. **Arthritis Rheum** 1984 Aug;27(8):873–82

Association of HLA-Bw35 with mucocutaneous lesions in rheumatoid arthritis patients undergoing sodium aurothiomalate therapy. Nüsslein HG, et al. **Arthritis Rheum** 1984 Jul;27(7):833–6

Secondary amyloidosis: diagnosis from an endometrial biopsy [letter] Yue CC, et al. **Arthritis Rheum** 1983 Oct; 26(10):1295–6

Plesiomonas shigelloides septic arthritis complicating rheumatoid arthritis. Gordon DL, et al. **Aust NZ J Med** 1983 Jun;13(3):275–6

Life threatening cardiac tamponade complicating a case of seronegative rheumatoid arthritis. Smith MD, et al. **Aust NZ J Med** 1984 Feb;14(1):56–8

A review of 80 barium meal examinations in patients with rheumatoid arthritis: were they necessary? Pullar T, et al. **Br J Clin Pract** 1984 Jun;38(6):213–4

Atlanto-axial impaction and compression of the medulla oblongata and proximal spinal cord in rheumatoid arthritis evaluated by CT scanning. Kaiser MC, et al. **Br J Radiol** 1983 Oct;56(670):764–6

Bronchiolitis in rheumatoid arthritis. Lahdensuo A, et al. **Chest** 1984 May;85(5):705–8

Pyoderma gangrenosum and leucocytoclastic vasculitis in association with rheumatoid arthritis—a report of two cases. English JS, et al. **Clin Exp Dermatol** 1984 May; 9(3):270–6

Rheumatoid arthritis of the cervical spine. Lipson SJ. **Clin Orthop** 1984 Jan–Feb;(182):143–9

Pigmented villonodular synovitis-like lesions in association with rare cases of rheumatoid arthritis, osteonecrosis, and advanced degenerative joint disease. Report of five cases. Vigorita VJ. **Clin Orthop** 1984 Mar;(183):115–21

Erosive rheumatoid arthritis co-existing with systemic lupus erythematosus. A report of a case, also showing atlanto-axial subluxation. Isenberg DA, et al. **Clin Rheumatol** 1982 Sep;1(3):216–20

Lymphatic varices in blocked fistulous rheumatism. Joshi VR, et al. **Clin Rheumatol** 1983 Jun;2(2):179–82

Spontaneous nasal septal perforation in patients with rheumatoid arthritis. Mathews JL, et al. **Clin Rheumatol** 1983 Mar;2(1):13–8

Rheumatoid vasculitis: diagnostic and therapeutic decisions. Panush RS, et al. **Clin Rheumatol** 1983 Dec;2(4):321–30

Rheumatoid arthritis associated with bronchiolitis obliterans and immunoblastic sarcoma. Pieters R, et al. **Clin Rheumatol** 1982 Mar;1(1):35–40

Recurrent transient ischemic attacks associated with thrombocytosis in rheumatoid arthritis. Pines A, et al. **Clin Rheumatol** 1982 Dec;1(4):291–3

Treatment of sleep disturbance in arthritis with chlormezanone. Wojtulewski JA, et al. **Curr Med Res Opin** 1983;8(7):456–60

Selective atrophy of the type IIb muscle fibers in rheumatoid arthritis and progressive systemic sclerosis (scleroderma). A biopsy histochemical study. Fiori MG, et al. **Eur J Rheumatol Inflamm** 1983;6(2):168–81

Pleuropulmonary radiographic abnormalities in rheumatoid arthritis. Rothschild BM, et al. **IMJ** 1984 Aug;166(2):105–8

Kidney involvement in seronegative spondarthritides. Mittal VK, et al. **Indian J Med Res** 1983 Nov;78:670–5

Cardiac involvement in rheumatoid patients before and after D-penicillamine treatment—an echocardiographic study. Finch MB, et al. **Ir Med J** 1984 Jun;77(6):168–70

Arthrodesis of the first metatarsophalangeal joint for hallux valgus in rheumatoid arthritis. Mann RA, et al. **J Bone Joint Surg [Am]** 1984 Jun;66(5):687–92

Cervical cord compression due to extradural granulation tissue in rheumatoid arthritis. A review of five cases. Kudo H, et al. **J Bone Joint Surg [Br]** 1984 May;66(3):426–30

Dorsal carpal dislocation and flexor tendon rupture in rheumatoid arthritis: a case report. Craig EV, et al. **J Hand Surg [Am]** 1984 Mar;9(2):261–4

The incidence of Dupuytren's disease in patients with rheumatoid arthritis. Arafa M, et al. **J Hand Surg [Br]** 1984 Jun;9(2):165–6

Stress fractures in rheumatoid arthritis. Fam AG, et al. **J Rheumatol** 1983 Oct;10(5):722–6

Generalized vasculopathy and finger blood flow abnormalities in rheumatoid arthritis. Fischer M, et al. **J Rheumatol** 1984 Feb;11(1):33–7

Subtalar dislocation in rheumatoid arthritis [letter] Gonzalez-Lanza M, et al. **J Rheumatol** 1984 Feb;11(1):113

The coexistence of rheumatoid arthritis and giant cell arteritis. Hall S, et al. **J Rheumatol** 1983 Dec;10(6):995–7

Coexistence of temporal arteritis and rheumatoid arthritis [letter] Hørslev-Petersen K, et al. **J Rheumatol** 1983 Oct; 10(5):831–3

Arthritis and autoimmune pancytopenia. McGuire MJ, et al. **J Rheumatol** 1984 Jun;11(3):387–9

Health status in chronic disease: a comparative study of rheumatoid arthritis. Mason JH, et al. **J Rheumatol** 1983 Oct;10(5):763–8

Rheumatoid arthritis and granulomatous hepatitis: a new association. Roberts WN, et al. **J Rheumatol** 1983 Dec; 10(6):969–72

Rheumatoid disease and bronchogenic carcinoma—case report and review of the literature. Shenberger KN, et al. **J Rheumatol** 1984 Apr;11(2):226–8

Hypergastrinemia in rheumatoid arthritis related to Sjögren's syndrome [letter] van Mulders A, et al. **J Rheumatol** 1984 Apr;11(2):246–7

Rheumatoid arthritis and membranous glomerulonephritis: a role for immune complex dissociative techniques. Via CS, et al. **J Rheumatol** 1984 Jun;11(3):342–7

Efficacy of combined therapy with plasmapheresis and immunosuppressants in rheumatoid vasculitis. Winkelstein A, et al. **J Rheumatol** 1984 Apr;11(2):162–6

Rheumatologic manifestations of amyloid disease. Hall S, et al. **Minn Med** 1983 Oct;66(10):631–2

Rheumatoid arthritis and the kidney. Schlesinger PA. **Minn Med** 1983 Sep;66(9):549

Vasculitic neuropathy in RA [letter] Endtz LJ, et al. **Neurology (NY)** 1983 Dec;33(12):1635–6

Neuroradiologic picture of cerebral vasculitis in rheumatoid arthritis. Paci R, et al. **Neuroradiology** 1983;25(5):343–5

Conjunctival resection for the treatment of the rheumatoid corneal ulceration. Feder RS, et al. **Ophthalmology** 1984 Feb;91(2):111–5

Noninvasive diagnosis of pulmonary hemorrhage in rheumatoid arthritis. O'Brodovich HM, et al. **Pediatrics** 1983 Nov;72(5):720–3

The rheumatoid foot. Pathophysiology and treatment of arthritic manifestations. Coughlin MJ. **Postgrad Med** 1984 Apr;75(5):207–16

Cardiac tamponade in rheumatoid arthritis. Sanchez-García P, et al. **Postgrad Med J** 1984 Jul;60(705):474–5

Gas-like radiolucencies in a popliteal cyst. McLeod BC, et al. **Rheumatol Int** 1983;3(3):143–4

Rheumatoid arthritis associated with transient gamma 2-heavy chain disease. Ockhuizen T, et al. **Rheumatol Int** 1983;3(4):167–72

Calcified bodies in a giant Baker's cyst. A case report. Hertzanu Y, et al. **S Afr Med J** 1984 Jun 16;65(24):973–4

Rheumatoid arthritis with severe aortic insufficiency and prolapse of the mitral valve. Flores M, et al. **Scand J Rheumatol** 1984;13(1):28–32

Serum ferritin and the assessment of iron deficiency in rheumatoid arthritis. Hansen TM, et al. **Scand J Rheumatol** 1983;12(4):353–9

Bilateral pneumothoraces and pleural effusions in rheumatoid lung disease [letter] Evans WV. **Thorax** 1984 Mar; 39(3):213–4

[Caplan's syndrome. A case without persistent pneumoconiosis or symptom producing rheumatoid arthritis] Lander F. **Ugeskr Laeger** 1984 Apr 16; 146(16):1215 (Eng. Abstr.) **(Dan)**

[Malignant disorders in rheumatoid arthritis; the influence of treatment with cyclophosphamide] Baltus JA, et al. **Ned Tijdschr Geneeskd** 1984 Feb 4;128(5):205–9 (Eng. Abstr.) **(Dut)**

[Spontaneous hypoglycemia in a patient with uremia and rheumatoid arthritis] Forsström J, et al. **Duodecim** 1984; 100(1):42–5 **(Fin)**

[Rheumatoid polyarthritis with Gougerot-Sjögren's syndrome, pulmonary pseudolymphoma and digestive lymphoma. Apropos of a case] Job-Deslandre C, et al. **Ann Med Interne (Paris)** 1983;134(8):717–22 (Eng. Abstr.) **(Fre)**

[Rheumatoid arthritis, obliterating bronchiolitis and D-penicillamine. Apropos of a new case with ultrastructural examination and review of the literature] Geraads A, et al. **Poumon Coeur** 1983;39(5):257–62 (Eng. Abstr.) **(Fre)**

[Polymyositis occurring during the development of rheumatoid arthritis (letter)] Castela J, et al. **Presse Med** 1984 Jun 30;13(27):1695–6 **(Fre)**

[Kidney complications of rheumatoid polyarthritis] Krzesinski JM, et al. **Rev Med Liege** 1984 Jul 1–15; 39(13–14):549–60 **(Fre)**

[Muscles and nerves in rheumatoid arthritis] Piton JL, et al. **Rev Rhum Mal Osteoartic** 1983 Oct;50(10):643–51 (Eng. Abstr.) **(Fre)**

[Pericarditis with recurrent cardiac compression in rheumatoid polyarthritis] Evard D, et al. **Sem Hop Paris** 1983 Nov 10;59(41):2835–7 (Eng. Abstr.) **(Fre)**

[Multimorbidity in rheumatoid arthritis] Schönthal H. **Med Welt** 1983 Nov 11;34(45):1268–72 **(Ger)**

[Diagnostic and prognostic significance of so-called rheumatoid vasculitis] Häntzschel H, et al. **Z Gesamte Inn Med** 1984 Apr 1;39(7):109–15 (Eng. Abstr.) **(Ger)**

[Echo-polycardiographic study in rheumatoid arthritis] Villecco AS, et al. **Boll Soc Ital Cardiol** 1983 Jan; 28(1):17–30 (Eng. Abstr.) **(Ita)**

[Sideropenic anemia in rheumatoid arthritis: diagnostic usefulness of serum ferritin, unsaturated transferrin and induced urinary siderosis] Maddali Bongi S, et al. **Quad Sclavo Diagn** 1983 Sep;19(3):330–42 (Eng. Abstr.) **(Ita)**

[Case of rheumatoid arthritis with high fever, interstitial pneumonia and bilateral pleurisy associated with asbestosis] Shioya N, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Sep;21(9):890–5 (Eng. Abstr.) **(Jpn)**

[Case of posterior atlanto-axial dislocation in rheumatoid arthritis] Tada S. **Rinsho Hoshasen** 1983 Sep;28(9):1021–2 **(Jpn)**

[Case of rheumatoid arthritis with the inflamed subdeltoid bursa containing 923 rice bodies—with special reference

to the development of rice bodies] Watanabe S, et al. **Ryumachi** 1983 Aug;23(4):206–11 (Eng. Abstr.) **(Jpn)**

[Atrophic chondritis coexisting with rheumatoid arthritis] Krzanowski M. **Reumatologia** 1983;21(1):47–54 (Eng. Abstr.) **(Pol)**

[Posterior capsulotomy as a method of treatment of flexion contracture of the knee joint in rheumatoid arthritis] Lankosz W, et al. **Reumatologia** 1983;21(3–4):295–8 (Eng. Abstr.) **(Pol)**

[Scleromalacia perforans in a patient with rheumatoid arthritis] Pruszczyński M, et al. **Reumatologia** 1983; 21(2):163–6 (Eng. Abstr.) **(Pol)**

[Lesions of the valvular apparatus of the heart in rheumatoid arthritis and systemic lupus erythematosus (according to echocardiographic findings)] Dormidontov EN, et al. **Revmatologiia (Moskva)** 1984 Apr–Jun;(2):25–8 (Eng. Abstr.) **(Rus)**

[Radionuclide renography in the diagnosis of kidney diseases in rheumatoid arthritis] Khamishon LZ, et al. **Revmatologiia (Moskva)** 1983 Oct–Dec;(4):20–3 (Eng. Abstr.) **(Rus)**

[Heart lesions in rheumatoid arthritis patients during long-term observation and the effect of antirheumatic therapy on the pathologic process in the myocardium and pericardium] Nemchinov EN, et al. **Revmatologiia (Moskva)** 1984 Apr–Jun;(2):14–8 (Eng. Abstr.) **(Rus)**

[Heart disease in rheumatoid arthritis based on echocardiographic data] Nemchinov EN, et al. **Revmatologiia (Moskva)** 1983 Apr–Jun;(2):32–6 (Eng. Abstr.) **(Rus)**

[Pericardium involvement in rheumatoid arthritis (echocardiography date)] Brusin SI. **Ter Arkh** 1983; 55(7):52–4 (Eng. Abstr.) **(Rus)**

[Characteristics of rheumatoid arthritis with systemic (extra-articular) manifestations] Krel' AA, et al. **Ter Arkh** 1983;55(7):55–60 (Eng. Abstr.) **(Rus)**

[Myocardial infarct with pseudoaneurysm formation in a rheumatoid arthritis patient] Milovidova SS, et al. **Ter Arkh** 1983;55(10):81–4 (38 ref.) **(Rus)**

[Rheumatoid arthritis with systemic manifestations: diagnosis and prognosis] Nasonova VA. **Ter Arkh** 1983;55(7):3–6 (0 ref.) **(Rus)**

[Changes in the nervous system in amyloidosis] Bekker GM. **Zh Nevropatol Psikhiatr** 1983;83(8):1181–4 (Eng. Abstr.) **(Rus)**

[Involvement of the pericardium in rheumatoid arthritis] Zatkalík M, et al. **Fysiatr Reumatol Vestn** 1984 Feb; 62(1):1–6 (Eng. Abstr.) **(Slo)**

DIAGNOSIS

Diagnostic aspects of joint diseases with special reference to rheumatoid arthritis. Cats A. **Agents Actions [Suppl]** 1984;14:121–31

Diagnostic and therapeutic uses of the arthroscope in rheumatoid arthritis and osteoarthritis. Altman RD, et al. **Am J Med** 1983 Oct 31;75(4B):50–5 (32 ref.)

Approaches to rheumatoid arthritis and osteoarthritis: an overview. Pinals RS. **Am J Med** 1983 Oct 31;75(4B):2–9 (37 ref.)

Persistent yet reversible asymmetric pauciarthritis (PRAP): a B27-associated cluster. Bitter T, et al. **Ann Rheum Dis** 1979;38 Suppl 1:suppl 84–91

Nuclear magnetic resonance (NMR) tomographic imaging for popliteal cysts in rheumatoid arthritis. Hull RG, et al. **Ann Rheum Dis** 1984 Feb;43(1):56–9

Clinical judgment in rheumatoid arthritis. II. Judging 'current disease activity' in clinical practice. Kirwan JR, et al. **Ann Rheum Dis** 1983 Dec;42(6):648–51

Clinical judgment in rheumatoid arthritis. I. Rheumatologists' opinions and the development of 'paper patients'. Kirwan JR, et al. **Ann Rheum Dis** 1983 Dec;42(6):644–7

Reiter's syndrome versus seronegative rheumatoid arthritis. Masi AT, et al. **Ann Rheum Dis** 1979;38 Suppl 1:suppl 48–51

Psoriatic arthropathy and seronegative rheumatoid arthritis with psoriasis: distinguishing features from Reiter's syndrome. Wright V. **Ann Rheum Dis** 1979;38 Suppl 1:suppl 59–67

Arthritis in leprosy [letter] Bank I. **Arch Intern Med** 1984 Feb;144(2):421

Synovial fluid lactic acid in septic and nonseptic arthritis. Arthur RE, et al. **Arthritis Rheum** 1983 Dec; 26(12):1499–505

Polymyalgia rheumatica and the American Rheumatism Association criteria for rheumatoid arthritis. Healey LA. **Arthritis Rheum** 1983 Dec;26(12):1417–8

Temporal arteritis presenting as a symmetrical peripheral polyarthritis. Smith MD, et al. **Aust NZ J Med** 1983 Dec; 13(6):639–40

Relationship between plasma viscosity or ESR and the Ritchie articular index [letter] Dixon JS. **Br J Rheumatol** 1984 Aug;23(3):233–5

Thyroxine–binding prealbumin—an index of disease activity or nutritional status in rheumatoid arthritis? Helliwell M, et al. **Br J Rheumatol** 1984 Aug;23(3):190–4

Reporting of significance levels versus Pearson's correlation coefficient [letter] Kirwan JR. **Br J Rheumatol** 1984 Aug; 23(3):232–3

The correlation of clinical assessment of synovial fluid with its measured viscosity. Larkin JG, et al. **Br J Rheumatol** 1984 Aug;23(3):195–7

Traditional assessments of articular diseases. Buchanan WW, et al. **Clin Rheum Dis** 1983 Dec;9(3):515–29

Miscellaneous methods for assessment of articular disease. Pinals RS. **Clin Rheum Dis** 1983 Dec;9(3):559–70

Joint fluid leukocytosis of patient with rheumatoid arthritis Computer analysis of possible explanative factors. Norberg B, et al. **Clin Rheumatol** 1983 Mar;2(1):53–6

Rheumatoid type of psoriatic arthritis. Trnavsky K, et al. **Clin Rheumatol** 1983 Jun;2(2):133–7

Salpingitis and cervicitis in uro–arthritis. Yli-Kerttula UI, et al. **Clin Rheumatol** 1984 Jun;3(2):169–72

The nature of urogenital involvements in female uro–arthritis, with special reference to chlamydial infection. Yli–Kerttula UI, et al. **Clin Rheumatol** 1984 Jun;3(2):155–62

Problems of rheumatoid arthritis and ankylosing spondylitis patients in their labor and life environments. Urbánek T, et al. **Czech Med** 1984;7(2):78–89

Swelling in the knee. **Del Med J** 1983 Jul;55(7):385, 434

Patients with rheumatoid arthritis first presenting to a rheumatology unit with severe established disability. FitzGerald O, et al. **Ir J Med Sci** 1983 Jul;152(7):268–71

Big painful knees. Joshi VR, et al. **J Assoc Physicians India** 1983 Jun;31(6):371–4

Cuff tear arthropathy [letter] Philips VK. **J Bone Joint Surg [Am]** 1984 Jun;66(5):807–8

Rheumatoid arthritis: diagnosis and management. Fife RS. **J Indiana State Med Assoc** 1983 Nov;76(11):747–52

The mucin clot test and the synovial fluid rheumatoid factor as diagnostic criteria in rheumatoid arthritis. Sibley JT, et al. **J Rheumatol** 1983 Dec;10(6):889–93

The acutely swollen joint. First impressions may mislead. Berg E. **Postgrad Med** 1984 Jan;75(1):62–5, 69–70, 73–5

Rheumatoid arthritis. Dorwart BB. **Primary Care** 1984 Jun; 11(2):233–41

A simple pressure dolorimeter for the quantification of joint tenderness in inflammatory arthritis. Langley GB, et al. **Rheumatol Int** 1983;3(3):109–12

Clinical and immunogenetic studies in rheumatoid arthritis from northern India. Malaviya AN, et al. **Rheumatol Int** 1983;3(3):105–8

Psoriasis and arthritis. II. A cross–sectional comparative study of patients with 'psoriatic arthritis' and seronegative and seropositive polyarthritis: clinical aspects. van Romunde LK, et al. **Rheumatol Int** 1984;4(2):61–5

C–reactive protein in the serial assessment of disease activity in rheumatoid arthritis. Dixon JS, et al. **Scand J Rheumatol** 1984;13(1):39–44

A comparison between clinical and laboratory tests in rheumatoid arthritis. Grindulis KA, et al. **Scand J Rheumatol** 1983;12(3):285–8

Predicting the outcome of rheumatoid arthritis. A Soviet–Finnish co–operative study. Isomäki H, et al. **Scand J Rheumatol** 1984;13(1):33–8

Tentative diagnoses among referrals versus diagnoses established at the Department of Rheumatology [letter] Sverdrup B, et al. **Scand J Rheumatol** 1983;12(4):377–8

Pleuropulmonary manifestations of rheumatoid arthritis. Shiel WC Jr, et al. **Semin Arthritis Rheum** 1984 Feb;13(3):235–43

[The affected cervical spine in progressive polyarthritis. Clinical study] Suchomel J, et al. **Fysiatr Reumatol Vestn** 1983 Oct;61(5):256–63 (Eng. Abstr.) **(Cze)**

[Subjective difficulties of rheumatic patients associated with weather changes] Svarcová J. **Fysiatr Reumatol Vestn** 1983 Oct;61(5):277–85 (Eng. Abstr.) **(Cze)**

[Immunologic diagnosis of rheumatoid arthritis] Bonvoisin B. **Sem Hop Paris** 1984 May 3;60(19):1361–9 (41 ref.) (Eng. Abstr.) **(Fre)**

[Diagnosis of chronic polyarthritis] Ryser J, et al. **Dtsch Med Wochenschr** 1984 Jan 20;109(3):105–7 **(Ger)**

[Biorheology: problems and results in medicine] Schurz J. **Naturwissenschaften** 1983 Dec;70(12):602–8 (Eng. Abstr.) **(Ger)**

[Psoriasis arthropathica and seronegative rheumatoid arthritis—differential diagnostic considerations] Schulze P, et al. **Z Gesamte Inn Med** 1984 Jun 1;39(11):253–7 (Eng. Abstr.) **(Ger)**

[The rheumatic hand in general practice] Dornhegge P. **ZFA (Stuttgart)** 1983 Dec 10;59(34):1903–7 **(Ger)**

[Early diagnosis of chronic polyarthritis] Mathies H. **ZFA (Stuttgart)** 1984 Jan 10;60(1):10–7 **(Ger)**

[The rheumatic shoulder in general practice] Menninger H, et al. **ZFA (Stuttgart)** 1983 Dec 10;59(34):1897–902 **(Ger)**

[The rheumatic hip in general practice] Thabe H. **ZFA (Stuttgart)** 1983 Dec 10;59(34):1908–13 **(Ger)**

[The rheumatic knee in general practice] Warnatz H. **ZFA (Stuttgart)** 1983 Dec 10;59(34):1914–9 **(Ger)**

[The rheumatic foot in general practice] Wessels D. **ZFA (Stuttgart)** 1983 Dec 10;59(34):1920–4 **(Ger)**

[Iliofemoral joint lesion as a presenting symptom in Whipple's syndrome] Shandor G, et al. **Harefuah** 1984 Mar 1; 106(5):215–6 (Eng. Abstr.) **(Heb)**

[2 cases of acute leukemia (lymphoblastic and monocytic) with rheumatoid–like appearance] Russo A, et al. **Minerva Pediatr** 1984 Feb 15;36(3):111–4 (Eng. Abstr.) **(Ita)**

[Differential diagnostic value of the immunochemical study of the synovial fluid] Corvetta A. **Recenti Prog Med** 1983 Dec;74(12):1424–8 **(Ita)**

[Seronegative rheumatoid arthritis] Bernacka K, et al. **Reumatologia** 1984;22(1):11–7 (Eng. Abstr.) **(Pol)**

[Paraspecific manifestations of tuberculosis simulating systemic connective tissue diseases] Chumakova LP, et al. **Klin Med (Mosk)** 1983 Dec;61(12):36–40 (Eng. Abstr.) **(Rus)**

[Clinical aspects and treatment of rheumatoid uveitis in children] Sushkova NI, et al. **Pediatriia** 1983 Nov; (11):39–41 **(Rus)**

[Debatable questions of the diagnosis and basic therapy of rheumatoid arthritis with systemic manifestations] Erov NK. **Revmatologiia (Moskva)** 1983 Jul–Sep;(3):61–3 **(Rus)**

[Clinico–morphological diagnosis of osteoarthrosis and rheumatoid arthritis in the early stage of the disease] Duliapin VA, et al. **Ter Arkh** 1984;56(5):79–81 (Eng. Abstr.) **(Rus)**

[Rheumatoid arthritis and related joint diseases (differential diagnosis and clinico–pathogenetic aspects)] Ievleva LV, et al. **Ter Arkh** 1983;55(7):68–71 **(Rus)**

[Does rheumatoid glomerulonephritis exist?] Khamishon LZ, et al. **Ter Arkh** 1984;56(5):121–6 (78 ref.) **(Rus)**

[Comparative efficacy of arthroscopic diagnosis of rheumatoid arthritis] Luchikhina LV. **Ter Arkh** 1983; 55(7):60–4 (Eng. Abstr.) **(Rus)**

[Work capacity and disability in the long–term treatment of patients with rheumatoid arthritis and ankylosing spondylarthritis] Trofimova TM, et al. **Ter Arkh** 1984; 56(5):62–6 (Eng. Abstr.) **(Rus)**

[Evaluation of diagnostic criteria in early variants of rheumatoid arthritis] Zvereva KV, et al. **Ter Arkh** 1983; 55(7):64–8 **(Rus)**

[Manifestations of rheumatic fever and rheumatoid arthritis in the skin] Karalitskiĭ EM. **Vestn Dermatol Venerol** 1984 Jan;(1):41–4 (Eng. Abstr.) **(Rus)**

[A case of atypical course of podagral polyarthritis] Miagkov II, et al. **Vrach Delo** 1984 Jun;(6):54–6 **(Rus)**

[Personal observations on work with the quantitative agglutination latex test in rheumatoid arthritis] Gnjidić Z, et al. **Reumatizam** 1983;30(4):83–5 (Eng. Abstr.) **(Ser)**

[Felty's syndrome. Initial presentation of rheumatoid arthritis (letter)] Biosca M, et al. **Med Clin (Barc)** 1984 May 26; 82(20):909–10 **(Spa)**

DIET THERAPY

Nutritional status in rheumatoid arthritis [letter] Helliwell M, et al. **Arthritis Rheum** 1983 Dec;26(12):1532–3

DRUG THERAPY

Alveolitis during chrysotherapy for rheumatoid arthritis. Franzén P, et al. **Acta Med Scand** 1983;214(3):249–51

The EOG in rheumatoid arthritis. Pinckers A, et al. **Acta Ophthalmol (Copenh)** 1983 Oct;61(5):831–7

The effect of low dosage glucocorticoids on bone mass in rheumatoid arthritis: a cross–sectional and a longitudinal study using single photon absorptiometry. de Deuxchaisnes CN, et al. **Adv Exp Med Biol** 1984;171:209–39

Clinical equivalence of a new glucocorticoid, deflazacort and prednisone in rheumatoid arthritis and S.L.E. patients. Imbimbo B, et al. **Adv Exp Med Biol** 1984;171:241–56

Remittive therapy in rheumatoid arthritis: clinical uses and mechanisms of action. Lipsky PE. **Agents Actions [Suppl]** 1984;14:181–204 (126 ref.)

The pharmacology of antirheumatic drugs. Parnham MJ. **Agents Actions [Suppl]** 1984;14:153–69 (49 ref.)

Oral gold therapy in rheumatoid arthritis: auranofin. **Am J Med** 1983 Dec 30;75(6A):1–164

Overview of efficacy of fenbufen in rheumatoid arthritis and osteoarthritis. Bernstein J. **Am J Med** 1983 Oct 31; 75(4B):70–4

Auranofin: experience to date. Blodgett RC Jr. **Am J Med** 1983 Dec 30;75(6A):86–9

Azathioprine and cyclophosphamide as slow–acting drugs for rheumatoid arthritis. Decker JL. **Am J Med** 1983 Dec 30;75(6A):74–8

A 12–month comparative trial of auranofin and D–penicillamine in rheumatoid arthritis. Felix–Davies DD, et al. **Am J Med** 1983 Dec 30;75(6A):138–41

Roentgenographic findings during auranofin treatment. Gofton JP, et al. **Am J Med** 1983 Dec 30;75(6A):142–4

Practices, strategies, and motivations in treatment of rheumatoid arthritis. Goldman AE, et al. **Am J Med** 1983 Dec 30;75(6A):79–85

Mechanism of action of nonsteroidal anti–inflammatory agents. Goodwin JS. **Am J Med** 1984 Jul 13;77(1A):57–64 (49 ref.)

Current trends in the treatment of rheumatoid arthritis. Gottlieb NL, et al. **Am J Med** 1983 Dec 30;75(6A):1–2

Methotrexate therapy in rheumatoid arthritis: 15 years experience. Hoffmeister RT. **Am J Med** 1983 Dec 30; 75(6A):69–73

Penicillamine: an anti–rheumatoid drug. Jaffe IA. **Am J Med** 1983 Dec 30;75(6A):63–8

Auranofin: bane or bonanza for the nonrheumatologist. Kaplan H. **Am J Med** 1983 Dec 30;75(6A):145–51

Remission–inducing therapy in rheumatoid arthritis. Lipsky PE. **Am J Med** 1983 Oct 31;75(4B):40–9 (129 ref.)

Antimalarial drugs for rheumatoid arthritis. Mackenzie AH. **Am J Med** 1983 Dec 30;75(6A):48–58

Parenteral gold in the treatment of rheumatoid arthritis. Sigler JW. **Am J Med** 1983 Dec 30;75(6A):59–62

Update on ibuprofen for rheumatoid arthritis. Ward JR. **Am J Med** 1984 Jul 13;77(1A):3–9 (35 ref.)

Comparison of auranofin, gold sodium thiomalate, and

placebo in the treatment of rheumatoid arthritis. Subsets of responses. Ward JR, et al. **Am J Med** 1983 Dec 30; 75(6A):133–7

Auranofin: dose-related risk to benefit. Weiss TE. **Am J Med** 1983 Dec 30;75(6A):128–32

Auranofin versus placebo in the treatment of rheumatoid arthritis. Wenger ME, et al. **Am J Med** 1983 Dec 30; 75(6A):123–7

A clinical perspective on rheumatoid arthritis, osteoarthritis, and gout. Kaye RL. **Am Pharm** 1984 Jul;NS24(7):82–5

Remissive therapy in rheumatoid arthritis. Wiser TH. **Am Pharm** 1984 Jul;NS24(7):90–4

Retinoid therapy for rheumatoid arthritis. Harris ED Jr. **Ann Intern Med** 1984 Jan;100(1):146–7

Proteinuria in gold-treated rheumatoid arthritis. Katz WA, et al. **Ann Intern Med** 1984 Aug;101(2):176–9

Intra-articular radioactive yttrium and triamcinolone hexacetonide: an inconclusive trial. Arthritis and Rheumatism Council Multicentre Radiosynoviorthesis Trial Group. **Ann Rheum Dis** 1984 Aug;43(4):620–3

D-penicillamine withdrawal in rheumatoid arthritis. Ahern MJ, et al. **Ann Rheum Dis** 1984 Apr;43(2):213–7

Penicillamine-induced myasthenia in rheumatoid arthritis: its clinical and genetic features. Delamere JP, et al. **Ann Rheum Dis** 1983 Oct;42(5):500–4

Report on chloroquine and dapsone in the treatment of rheumatoid arthritis: a 6-month comparative study. Fowler PD, et al. **Ann Rheum Dis** 1984 Apr;43(2):200–4

Outcome of attempts to treat rheumatoid arthritis with gold, penicillamine, sulphasalazine, or dapsone. Grindulis KA, et al. **Ann Rheum Dis** 1984 Jun;43(3):398–401

Prolonged low-dose corticosteroid therapy and osteoporosis in rheumatoid arthritis. Hajiroussou VJ, et al. **Ann Rheum Dis** 1984 Feb;43(1):24–7

Does second-line therapy affect the radiological progression of rheumatoid arthritis? Pullar T, et al. **Ann Rheum Dis** 1984 Feb;43(1):18–23

Free thiomalate in plasma and urine of patients receiving sodium aurothiomalate. Rudge SR, et al. **Ann Rheum Dis** 1984 Feb;43(1):66–9

Progression of radiological changes in rheumatoid arthritis. Scott DL, et al. **Ann Rheum Dis** 1984 Feb;43(1):8–17

Ischaemic colitis and immune complexes during gold therapy for rheumatoid arthritis. Wright A, et al. **Ann Rheum Dis** 1984 Jun;43(3):495–7

Serum IgA and gold-induced toxic effects in patients with rheumatoid arthritis. Van Riel PL, et al. **Arch Intern Med** 1984 Jul;144(7):1401–3

Nonsteroidal anti-inflammatory drugs. Wolf RE. **Arch Intern Med** 1984 Aug;144(8):1658–60

The effects of a partially purified fraction of an ant venom in rheumatoid arthritis. Altman RD, et al. **Arthritis Rheum** 1984 Mar;27(3):277–84

Thymuline (FTS) in rheumatoid arthritis [letter] Amor B, et al. **Arthritis Rheum** 1984 Jan;27(1):117–8

Controlled trial of hydroxychloroquine and D-penicillamine singly and in combination in the treatment of rheumatoid arthritis. Bunch TW, et al. **Arthritis Rheum** 1984 Mar; 27(3):267–76

Acute lung disease associated with low-dose pulse methotrexate therapy in patients with rheumatoid arthritis. Cannon GW, et al. **Arthritis Rheum** 1983 Oct; 26(10):1269–74

Methotrexate pneumonitis after low-dose therapy for rheumatoid arthritis. Engelbrecht JA, et al. **Arthritis Rheum** 1983 Oct;26(10):1275–8

Nail pigmentation after parenteral gold therapy for rheumatoid arthritis: 'gold nails' [letter] Fam AG, et al. **Arthritis Rheum** 1984 Jan;27(1):119–20

Poor long-term results from low-dose methotrexate therapy in rheumatoid arthritis [letter] FitzGerald O, et al. **Arthritis Rheum** 1984 May;27(5):599–600

On the design of the Phase III drug trial. The example of rheumatoid arthritis. Hadler NM, et al. **Arthritis Rheum** 1983 Nov;26(11):1354–61

Angiotensin converting inhibitors in rheumatoid arthritis [letter] Jaffe I. **Arthritis Rheum** 1984 Jul;27(7):840

Hepatotoxicity with aurothioglucose therapy. Lowthian PJ, et al. **Arthritis Rheum** 1984 Feb;27(2):230–2

Azathioprine versus D-penicillamine in rheumatoid arthritis patients who have been treated unsuccessfully with gold. Paulus HE, et al. **Arthritis Rheum** 1984 Jul;27(7):721–7

FDA Arthritis Advisory Committee Meeting. Paulus HE. **Arthritis Rheum** 1983 Oct;26(10):1288–9

Pneumocystis carinii pneumonia following methotrexate therapy for rheumatoid arthritis [letter] Perruquet JL, et al. **Arthritis Rheum** 1983 Oct;26(10):1251–2

Frequency and duration of gold salt therapy [letter] Sundstrom WR. **Arthritis Rheum** 1984 Sep;27(9):1070

Comparison of auranofin, gold sodium thiomalate, and placebo in the treatment of rheumatoid arthritis. A controlled clinical trial. Ward JR, et al. **Arthritis Rheum** 1983 Nov;26(11):1303–15

Low-dose prednisone therapy in rheumatoid arthritis: effect on vitamin D metabolism. Zerwekh JE, et al. **Arthritis Rheum** 1984 Sep;27(9):1050–2

Penicillamine in rheumatoid disease. Thrift EG, et al. **Aust Fam Physician** 1983 Dec;12(12):870–1

A comparison of plasma methylprednisolone concentrations following intra-articular injection in patients with rheumatoid arthritis and osteoarthritis. Bertouch JV, et al. **Aust NZ J Med** 1983 Dec;13(6):583–6

A comparison of low dose levamisole and penicillamine in rheumatoid arthritis. Clemens LE, et al. **Aust NZ J Med** 1983 Dec;13(6):578–82

Comparative study of piroxicam and ibuprofen in rheumatoid arthritis. Alam MN, et al. **Bangladesh Med Res Counc Bull** 1983 Dec;9(2):54–9

The effect of D-penicillamine on human myeloperoxidase, a mechanism for the efficacy of the drug in rheumatoid arthritis. Cuperus RA, et al. **Biochim Biophys Acta** 1983 Nov 28;749(1):18–23

Does the addition of ketotifen to non-steroidal anti-inflammatory drugs confer any additional benefit in rheumatoid arthritis? Teh LG, et al. **Br J Clin Pharmacol** 1984 Feb;17(2):157–9

A comparison of once and twice daily naproxen in rheumatoid arthritis. Mowat AM, et al. **Br J Clin Pract** 1984 Mar;38(3):95–8

Biological rhythms and their effect in the assessment of disease activity in rheumatoid arthritis. Swannell AJ. **Br J Clin Pract [Symp Suppl]** 1984;33:16–9

Fenclofenac and diclofenac in the treatment of rheumatoid arthritis. Bedi SS, et al. **Br J Rheumatol** 1984 Aug; 23(3):214–9

Sulphasalazine in rheumatoid arthritis [letter] Crisp AJ. **Br J Rheumatol** 1984 Aug;23(3):232

Structural requirements for activity of certain 'specific' antirheumatic drugs: more than a simple thiol group? Drury PL, et al. **Br J Rheumatol** 1984 May;23(2):100–6

Comparison of the analgesic effect of ten nonsteroidal anti-inflammatory drugs. Isomäki H, et al. **Br J Rheumatol** 1984 Feb;23(1):61–5

Sulphasalazine: a 'new' antirheumatic drug. Pullar T, et al. **Br J Rheumatol** 1984 Feb;23(1):26–34 (59 ref.)

Diffuse alveolitis on a small dose of penicillamine. Shettar SP, et al. **Br J Rheumatol** 1984 Aug;23(3):220–4

Haematuria occurring during antirheumatoid therapy. White EG, et al. **Br J Rheumatol** 1984 Feb;23(1):57–60

Sulphasalazine in rheumatoid arthritis [letter] Good CS. **Br Med J [Clin Res]** 1983 Dec 3;287(6406):1721–2

Intermittent cyclophosphamide in refractory rheumatoid arthritis. Hørslev-Petersen K, et al. **Br Med J [Clin Res]** 1983 Sep 10;287(6394):711–2

Intermittent cyclophosphamide in refractory rheumatoid arthritis [letter] Madhok R, et al. **Br Med J [Clin Res]** 1983 Dec 3;287(6406):1716–7

Comparison between penicillamine and sulphasalazine in rheumatoid arthritis: Leeds-Birmingham trial. Neumann VC, et al. **Br Med J [Clin Res]** 1983 Oct 15; 287(6399):1099–102

Sulphasalazine in rheumatoid arthritis: a double blind comparison of sulphasalazine with placebo and sodium aurothiomalate. Pullar T, et al. **Br Med J [Clin Res]** 1983 Oct 15;287(6399):1102–4

Acute vascular complications in the fundus of the eye after the sudden stopping of corticosteroid therapy for rheumatoid arthritis. Leys A, et al. **Bull Soc Belge Ophtalmol** 1982;201:29–32

Methods for assaying D-penicillamine in a clinical setting. Crawhall JC. **Clin Invest Med** 1984;7(1):31–4

Circulating immune complexes in patients with rheumatoid arthritis and the effect of penicillamine in vitro. Crawhall JC. **Clin Invest Med** 1984;7(1):53–8

Penicillamine metal chelates and their possible importance in rheumatoid arthritis—a brief review. Davis P. **Clin Invest Med** 1984;7(1):41–4

Effects of D-penicillamine on inflammatory and immune reactions. Harth M, et al. **Clin Invest Med** 1984;7(1):45–51

Bio-inorganic effects of D-penicillamine in children and in the elderly. Kean WF, et al. **Clin Invest Med** 1984; 7(1):77–83

A method of comparing the toxicities of disease suppressive agents: possible application to a comparison between D-penicillamine and chloroquine. Redda A, et al. **Clin Invest Med** 1984;7(1):65–71

Selected adverse reactions of D-penicillamine. Stein HB, et al. **Clin Invest Med** 1984;7(1):73–6

Penicillamine and other remittive agents in rheumatoid arthritis: comparisons and interaction. Stein HB, et al. **Clin Invest Med** 1984;7(1):59–63

Strategies for medical treatment based on current understanding of the pathogenesis of rheumatoid arthritis. Trentham DE. **Clin Orthop** 1984 Jan–Feb;(182):31–6 (33 ref.)

Review of auranofin, an oral chrysotherapeutic agent. Delafuente JC, et al. **Clin Pharm** 1984 Mar–Apr;3(2):121–7 (45 ref.)

Auranofin: more than just oral gold [editorial] Waller ES. **Clin Pharm** 1984 Mar–Apr;3(2):195

Rheumatoid arthritis: disease-modifying antirheumatic drugs. Kirwan JR, et al. **Clin Rheum Dis** 1983 Dec;9(3):581–99

Rheumatoid arthritis—anti-inflammatory drugs. Paulus HE. **Clin Rheum Dis** 1983 Dec;9(3):571–80

Prevalence of decreased bone mass in rheumatoid arthritis. Relation to anti-inflammatory treatment. Als OS, et al. **Clin Rheumatol** 1984 Jun;3(2):201–8

Gold-induced thrombocytopenia: detection of anti-platelet antibody. Armstrong RD, et al. **Clin Rheumatol** 1983 Jun; 2(2):183–8

Comparison of timegadine and naproxen in rheumatoid arthritis. A placebo controlled trial. Berry H, et al. **Clin Rheumatol** 1983 Dec;2(4):357–61

A single-blind comparative study of auranofin and hydroxychloroquine in patients with rheumatoid arthritis. Bird HA, et al. **Clin Rheumatol** 1984 Mar;3 Suppl 1:57–66

Chloroquine in long-term treatment of rheumatoid arthritis. Bjelle A, et al. **Clin Rheumatol** 1983 Dec;2(4):393–9

Timegadine: long-term open study in rheumatoid arthritis. Caruso I, et al. **Clin Rheumatol** 1983 Dec;2(4):363–7

Failure of sodium aurothiomalate and triethyl phosphine gold to cause renal tubular injury in rheumatoid arthritis: implications for the aetiology of gold-related nephropathy. Crisp AJ, et al. **Clin Rheumatol** 1983 Sep;2(3):273–6

Longterm experience with oral gold in rheumatoid arthritis and psoriatic arthritis. Dequeker J, et al. **Clin Rheumatol** 1984 Mar;3 Suppl 1:67–74

Double-blind crossover comparison of piroxicam and indomethacin in rheumatoid arthritis. Domljan Z, et al. **Clin Rheumatol** 1984 Jun;3(2):217–22

Auranofin and D-penicillamine: a one year comparative study of safety and efficacy in patients with rheumatoid arthritis followed by a two year open assessment of auranofin. Franchimont P, et al. **Clin Rheumatol** 1984 Mar; 3 Suppl 1:75–82

Nitrogen mustard in severe rheumatoid arthritis. Kitt R, et al. **Clin Rheumatol** 1983 Mar;2(1):27–35

Oral gold: a comparison with placebo and with intramuscular sodium aurothiomalate. Lewis D, et al. **Clin Rheumatol** 1984 Mar;3 Suppl 1:83–96

A comparative trial of timegadine and D-penicillamine in rheumatoid arthritis. Mbuyi-Muamba JM, et al. **Clin Rheumatol** 1983 Dec;2(4):369–74

Worldwide clinical experience with auranofin. Morris RW, et al. **Clin Rheumatol** 1984 Mar;3 Suppl 1:105–11 (24 ref.)

An European open multicentre trial with auranofin in rheumatoid arthritis. Raeman F, et al. **Clin Rheumatol** 1984 Mar;3 Suppl 1:33–8

Hypothalamic-pituitary-adrenal (HPA) axis function in patients receiving long-term intra-articular corticosteroids. Reid DM, et al. **Clin Rheumatol** 1983 Jun;2(2):159–61

Comparison of auranofin and aurothioglucose in the treatment of rheumatoid arthritis: a single blind study. van Riel PL, et al. **Clin Rheumatol** 1984 Mar;3 Suppl 1:51–6

Comparison of diclofenac and indomethacin suppositories in rheumatoid arthritis. Wafin F, et al. **Clin Rheumatol** 1984 Mar;3(1):67–70

Evaluating slow-acting antirheumatic drug therapies for rheumatoid arthritis. Ward JR, et al. **Clin Rheumatol** 1983 Jun;2(2):189–95

Auranofin, gold sodium thiomalate, and placebo in the treatment of rheumatoid arthritis. Cooperative systematic studies of rheumatic diseases. Williams HJ, et al. **Clin Rheumatol** 1984 Mar;3 Suppl 1:39–50

Etodolac, aspirin, and placebo in patients with rheumatoid arthritis: a 12-week study. Edwards W. **Clin Ther** 1983; 5(5):495–503

A six-month parallel group comparison of fenbufen and naproxen in the treatment of rheumatoid arthritis. Khan FM. **Clin Ther** 1983;5(5):483–7

Salsalate for arthritis: a clinical evaluation. McPherson TC. **Clin Ther** 1984;6(4):388–403

Once-daily treatment of rheumatoid arthritis with choline magnesium trisalicylate. Mann CC, et al. **Clin Ther** 1984; 6(2):170–7

Twice a day aspirin. Golightly LK, et al. **Colo Med** 1984 Apr;81(4):110–2

Arthritis and rheumatism: old questions, new answers. Roth SH. **Compr Ther** 1984 Aug;10(8):58–64

Drug therapy in the management of rheumatoid arthritis. Roumm A, et al. **Compr Ther** 1983 Sep;9(9):20–6

Double-blind evaluation of low-dose proglumetacin versus naproxen in rheumatoid arthritis out-patients. Esprito Santo J, et al. **Curr Med Res Opin** 1983;8(7):524–30

A multi-centre study of piroxicam in the treatment of osteoarthritis and rheumatoid arthritis in general practice. Gow PJ. **Curr Med Res Opin** 1983;8(9):618–21

Piroxicam versus naproxen in rheumatoid arthritis. Mbuyi-Muamba JM, et al. **Curr Med Res Opin** 1983; 8(9):612–7

A multi-centre study of tiaprofenic acid ('Surgam') and five comparative drugs in rheumatoid arthritis and osteoarthritis in general practice. Mungavin JM, et al. **Curr Med Res Opin** 1983;8(7):461–71

Other NSAIDs of choice for rheumatoid arthritis. Ehrlich GE. **Drug Intell Clin Pharm** 1984 Jan;18(1):39–41

The argument for aspirin as the NSAID of choice in the management of rheumatoid arthritis. Hadler NM. **Drug Intell Clin Pharm** 1984 Jan;18(1):34–8

Auranofin. A preliminary review of its pharmacological properties and therapeutic use in rheumatoid arthritis. Chaffman M, et al. **Drugs** 1984 May;27(5):378–424 (240 ref.)

Current status of disease-modifying drugs in progressive rheumatoid arthritis. O'Duffy JD, et al. **Drugs** 1984 May; 27(5):373–7 (40 ref.)

Perna canaliculus in the treatment of rheumatoid arthritis. Caughey DE, et al. **Eur J Rheumatol Inflamm** 1983; 6(2):197–200

Pro-drugs of non-steroidal anti-inflammatory agents [editorial] Mizushima Y. **Eur J Rheumatol Inflamm** 1983; 6(2):141–2

Adrenal response in rheumatoid arthritis treated with long-term steroids. Pullar T, et al. **Eur J Rheumatol Inflamm** 1983;6(2):187–91

Steroid-sparing action of flurbiprofen and indomethacin in rheumatoid arthritis: a nine-week study. Viara M, et al.

Eur J Rheumatol Inflamm 1983;6(2):192–6
Pattern of response to systematised drug therapy in rheumatoid arthritis in Indians. Malaviya AN, et al. **Indian J Med Res** 1983 May;77:686–96
Evaluation of indices for assessment of therapeutic response in rheumatoid arthritis. Mishra DN, et al. **Indian J Med Sci** 1984 Feb;38(2):23–8
Effect of antiinflammatory agents on neutrophil superoxide production in rheumatoid arthritis. Spisani S, et al. **Inflammation** 1984 Mar;8(1):45–52
Drug treatment of rheumatoid arthritis. Huskisson EC. **Int Rehabil Med** 1984;6(1):i–ii
Chemotactic behaviour of peripheral and synovial neutrophils during rifamycin SV therapy in rheumatoid arthritis. Spisani S, et al. **J Clin Lab Immunol** 1984 Jun; 14(2):111–4
Optic neuropathy associated with penicillamine therapy in a patient with rheumatoid arthritis. Klingele TG, et al. **J Clin Neuro Ophthalmol** 1984 Jun;4(2):75–8
Initial experience with oral gold salts in the treatment of rheumatoid arthritis in patients followed up for one year. Lignère GC, et al. **J Int Med Res** 1984;12(3):193–7
Efficacy and safety of a non-acetylated salicylate, choline magnesium trisalicylate, in the treatment of rheumatoid arthritis. Rothwell KG. **J Int Med Res** 1983;11(6):343–8
Recovery from rheumatoid cerebral vasculitis. Gobernado JM, et al. **J Neurol Neurosurg Psychiatry** 1984 Apr; 47(4):410–3
Sulphasalazine in rheumatoid arthritis: an old drug revived [editorial] Neumann VC, et al. **J R Soc Med** 1984 Mar; 77(3):169–72
HLA antigens and toxic reactions to sodium aurothiomalate in patients with rheumatoid arthritis. Bensen WG, et al. **J Rheumatol** 1984 Jun;11(3):358–61
Lichenoid lesions of the oral mucosa in rheumatoid arthritis patients treated with penicillamine. Blasberg B, et al. **J Rheumatol** 1984 Jun;11(3):348–51
Low dose prednisone therapy in rheumatoid arthritis: a double blind study. Harris ED Jr, et al. **J Rheumatol** 1983 Oct;10(5):713–21
Cells with immunoregulatory function: the human macrophages and the effects of remittive drugs. Harth M, et al. **J Rheumatol** 1983 Dec;10 Suppl 11:76–80
Cigarette smoking and the clinical outcome of gold therapy in rheumatoid arthritis [letter] Lewis D, et al. **J Rheumatol** 1984 Feb;11(1):111–2
Liver dysfunction associated with gold therapy for RA [letter] Lewis D, et al. **J Rheumatol** 1984 Jun;11(3):395–6
II. Unbound versus total serum gold concentration: pharmacological actions on cellular function. Lorber A, et al. **J Rheumatol** 1983 Aug;10(4):568–73
I. Unbound serum gold: procedure for quantitation. Lorber A, et al. **J Rheumatol** 1983 Aug;10(4):563–7
Low dose glucocorticoid therapy in rheumatoid arthritis (RA): transitional or selected add-on therapy? Masi AT. **J Rheumatol** 1983 Oct;10(5):675–8
Diffuse fasciculations induced by D-penicillamine. Pinals RS. **J Rheumatol** 1983 Oct;10(5):809–10
HLA-DR antigens and proteinuria induced by aurothioglucose and D-penicillamine in patients with rheumatoid arthritis. Speerstra F, et al. **J Rheumatol** 1983 Dec;10(6):948–53
Longterm effects of cyclophosphamide on granulocyte colony formation in patients with rheumatoid arthritis. Thomas MR, et al. **J Rheumatol** 1983 Oct;10(5):778–83
Cell-bound gold (CBG) in patients treated with aurothioglucose and with auranofin. A comparison of different methods of determination. van Riel PL, et al. **J Rheumatol** 1983 Aug;10(4):574–8
Influence of longterm administration of levamisole on total lymphocyte and T cell subsets in rheumatoid arthritis [letter] Veys EM, et al. **J Rheumatol** 1984 Jun;11(3):398–400
The efficacy of parenteral gold after auranofin failure in rheumatoid arthritis [letter] Wessel J, et al. **J Rheumatol** 1983 Aug;10(4):664
Clinical observation of 144 cases of rheumatoid arthritis treated with glycoside of Radix Tripterygium Wilfordii. Yu DY. **J Tradit Chin Med** 1983 Jun;3(2):125–9
Administration of nonsteroidal anti-inflammatory agents in patients with rheumatoid arthritis. Effects on indexes of cellular immune status and serum rheumatoid factor levels. Goodwin JS, et al. **JAMA** 1983 Nov 11;250(18):2485–8
Controversy in the treatment of rheumatoid arthritis. Butler RC, et al. **Lancet** 1984 Aug 4;2(8397):278–9
Captopril in rheumatoid arthritis [letter] Drury PL, et al. **Lancet** 1984 Jul 7;2(8393):36–7
Captopril: a new treatment for rheumatoid arthritis? Martin MF, et al. **Lancet** 1984 Jun 16;1(8390):1325–8
Levamisol in immunomodulative treatment of rheumatoid arthritis. Bogdanikowa B, et al. **Mater Med Pol** 1983 Jan-Jun;15(1–2):15–9
Further look at dextropropoxyphene with or without paracetamol in the treatment of arthritis. Mitchell H, et al. **Med J Aust** 1984 Feb 18;140(4):224–5
Drug therapy in rheumatoid arthritis [letter] Gibson T. **N Engl J Med** 1984 Mar 29;310(13):856
Does drug therapy slow radiographic deterioration in rheumatoid arthritis? Iannuzzi L, et al. **N Engl J Med** 1983 Oct 27;309(17):1023–8 (52 ref.)
Scavenging of hydrogen peroxide—a new mechanism of action for D-penicillamine in rheumatoid arthritis? [letter] Staite ND, et al. **N Engl J Med** 1984 Aug 23;311(8):538–9
Mechanism of action, pharmacology, clinical efficacy and side effects of auranofin. An orally administered organic gold compound for the treatment of rheumatoid arthritis. Furst DE. **Pharmacotherapy** 1983 Sep-Oct;3(5):284–98 (108 ref.)
Diflunisal 500–750 mg versus aspirin 2600–3900 mg in the treatment of rheumatoid arthritis. Turner RA, et al. **Pharmacotherapy** 1984 May-Jun;4(3):151–7
Resistant rheumatoid arthritis. What to do when conservative therapy doesn't work. Wilke WS, et al. **Postgrad Med** 1984 May;75(6):69–77
The effect of drugs on serum histidine levels in rheumatoid arthritis. Dixon JS, et al. **Rheumatol Int** 1983;3(4):145–9
Penicillamine therapy in rheumatoid arthritis. Grobbelaar J, et al. **S Afr Med J** 1984 May 5;65(18):715–7
Metronidazole in rheumatoid arthritis [letter] Pybus PK. **S Afr Med J** 1984 Mar 24;65(12):454
The controversy over zinc sulphate efficacy in rheumatoid and psoriatic arthritis [letter] Cimmino MA, et al. **Scand J Rheumatol** 1984;13(2):191–2
Controlled release indomethacin (Indotard). Clinical trial in patients with rheumatoid arthritis. Ejstrup L, et al. **Scand J Rheumatol** 1984;13(2):147–50
Auranofin (SK + F 39162) induced enterocolitis in rheumatoid arthritis. A case report. Jarner D, et al. **Scand J Rheumatol** 1983;12(3):254–6
Comparison of three slow-release acetylsalicylic acid preparations in rheumatoid arthritis. Martio J, et al. **Scand J Rheumatol** 1983;12(3):305–9
Thiopronine-induced pemphigus vulgaris in rheumatoid arthritis. Trotta F, et al. **Scand J Rheumatol** 1984;13(1):93–5
Gold in rheumatoid arthritis; the past, present and future. Proceedings of a symposium held in Copenhagen, April 15–16, 1983. **Scand J Rheumatol [Suppl]** 1983;51:1–139
Gold in rheumatoid arthritis therapy today. Duration of therapy. Andersen RB. **Scand J Rheumatol [Suppl]** 1983; 51:127–8
Gold resistance in cultured human cells possible role of metallothionein. Glennås A. **Scand J Rheumatol [Suppl]** 1983;51:42–4 (8 ref.)
Clinical assessment. Gullberg R. **Scand J Rheumatol [Suppl]** 1983;51:56–7
Clinical assessment. Halberg P. **Scand J Rheumatol [Suppl]** 1983;51:58–61
Comparative safety and efficacy of auranofin and parenteral gold compounds: a review. Horton RJ. **Scand J Rheumatol [Suppl]** 1983;51:100–10 (39 ref.)
Gold in rheumatoid arthritis therapy today. Dosage. Husby G. **Scand J Rheumatol [Suppl]** 1983;51:122–4 (11 ref.)
Risk factors in the treatment of rheumatoid arthritis with parenteral gold. Husby G, et al. **Scand J Rheumatol [Suppl]** 1983;51:112–5
Gold in rheumatoid arthritis therapy today. Early treatment. Luukkainen R. **Scand J Rheumatol [Suppl]** 1983;51:118–9 (6 ref.)
Is gold necessary in so called chrysotherapy? Munthe E, et al. **Scand J Rheumatol [Suppl]** 1983;51:46–51 (9 ref.)
Gold in rheumatoid arthritis therapy today. Late or never? Olhagen B. **Scand J Rheumatol [Suppl]** 1983;51:120–1 (5 ref.)
Comparison of oral and parenteral gold therapy and placebo in the treatment of rheumatoid arthritis. Williams HJ, et al. **Scand J Rheumatol [Suppl]** 1983;51:92–9
Auranofin: a unique oral chrysotherapeutic agent. Blodgett RC Jr, et al. **Semin Arthritis Rheum** 1984 Feb;13(3):255–73
Levamisole: possibilities of immunomodulation in the basic treatment of rheumatoid arthritis. Clinical and immunological observations in a one-year decaris treatment of rheumatoid arthritis patients. Hodinka L, et al. **Ther Hung** 1981;29(4):162–9
The influence of chrysotherapy on T-lymphocyte subpopulations in rheumatoid arthritis. Pfreundschuh M, et al. **Z Rheumatol** 1983 Nov-Dec;42(6):328–31
[The present status of drug therapy of rheumatoid arthritis] Trnavský K, et al. **Cas Lek Cesk** 1984 Jun 15; 123(24):738–41 (Eng. Abstr.) **(Cze)**
[Treatment of rheumatoid arthritis with the oral gold preparation Auranofin] Trnavský K, et al. **Cas Lek Cesk** 1982 Nov 11;122(45):1382–4 (Eng. Abstr.) **(Cze)**
[Lonazolac-Calcium. A new non-steroidal antirheumatic agent for the treatment of progressive polyarthritis. A long-term open controlled trial] Pavelka K. **Fysiatr Reumatol Vestn** 1984 Apr;62(2):80–7 (Eng. Abstr.) **(Cze)**
[Frequency of administration of nonsteroidal antirheumatic agents with a long biological half-life. A clinical trial with piroxicam] Pavelka K. **Fysiatr Reumatol Vestn** 1984 Feb; 62(1):18–25 (Eng. Abstr.) **(Cze)**
[Peroxinorm (Orgotein) in the intra-articular treatment of deforming gonarthroses] Vachtenheim J, et al. **Fysiatr Reumatol Vestn** 1983 Oct;61(5):270–6 (Eng. Abstr.) **(Cze)**
[The role of chrysothiotherapy in the treatment of progressive polyarthritis] Vojtíšek O, et al. **Fysiatr Reumatol Vestn** 1984 Apr;62(2):106–12 (Eng. Abstr.) **(Cze)**
[Benoxaprofen. A review of effects and side-effects in the treatment of rheumatoid arthritis and other joint diseases] Elling H, et al. **Ugeskr Laeger** 1984 Feb 27;146(9):660–2 (Eng. Abstr.) **(Dan)**
[Baker cysts treated with osmic acid] Sonne M. **Ugeskr Laeger** 1984 Feb 27;146(9):664 (Eng. Abstr.) **(Dan)**
[Treatment of rheumatoid arthritis with dapsone] Sonne M. **Ugeskr Laeger** 1983 Sep 12;145(37):2847–8 (Eng. Abstr.) **(Dan)**
[Use of high-dose corticoids (pulse methylprednisolone) in rheumatoid polyarthritis. Preliminary results] Duquesnoy B, et al. **LARC Med** 1984 Apr;4(4):254, 256 **(Fre)**
[Leukopenia during treatment of rheumatoid polyarthritis with levamisole (letter)] Masson G, et al. **Presse Med** 1984 Jun 16;13(25):1577–8 **(Fre)**
[Rheumatoid arthritis. Treatment of flare-ups with pulse corticosteroids (letter)] Menkes CJ, et al. **Presse Med** 1983 Oct 8;12(35):2186 **(Fre)**
[Treatment of rheumatoid arthritis with isoprinosine. Personal experience] Bouvier M, et al. **Rev Rhum Mal Osteoartic** 1983 Oct;50(10):653–7 (Eng. Abstr.) **(Fre)**
[Lichenoid eruption during the treatment of rheumatoid arthritis with pyrithioxin (letter)] Crouzet J, et al. **Rev Rhum Mal Osteoartic** 1983 Dec;50(12):827–8 **(Fre)**
[Diffuse pneumopathy with digital vasculitis in rheumatoid arthritis. Probable role of gold (letter)] Hauteville D, et al. **Rev Rhum Mal Osteoartic** 1984 Jan;51(1):56–7 **(Fre)**
[Acute polymyositis complicating rheumatoid arthritis treated with pyrithioxin] Trèves R, et al. **Rev Rhum Mal Osteoartic** 1984 May;51(5):283–5 **(Fre)**
[Double-blind comparative study of Bi-Profenid tablets and Profenid capsules in inflammatory rheumatism] Camus JP, et al. **Sem Hop Paris** 1983 Dec 12;59(46):3221–4 (Eng. Abstr.) **(Fre)**
[Double-blind comparative study of slow-release ketoprofen and a placebo in chronic inflammatory rheumatism] Harrewyn JM, et al. **Sem Hop Paris** 1983 Dec 12; 59(46):3225–8 (Eng. Abstr.) **(Fre)**
[Open clinical trial of a new oral galenic form of ketoprofen] Huck F, et al. **Sem Hop Paris** 1983 Dec 12;59(46):3240–2 (Eng. Abstr.) **(Fre)**
[Methods for evaluating non-steroidal anti-inflammatory agents in rheumatoid polyarthritis] Vignon E, et al. **Sem Hop Paris** 1983 Dec 12;59(46):3180–2 (Eng. Abstr.) **(Fre)**
[Methods for evaluating nonsteroidal anti-inflammatory agents in rheumatoid arthritis] Vignon E, et al. **Therapie** 1983 Jul-Aug;38(4):419–22 (Eng. Abstr.) **(Fre)**
[Deaths in rheumatism therapy (editorial)] **Fortschr Med** 1983 Oct 6;101(37):1641–2 **(Ger)**
[Effect and tolerance of naproxen. Testing of a new Galenic preparation of an anti-rheumatic agent in an open clinical trial] Gaismayer K, et al. **Fortschr Med** 1984 Jun 7; 102(21):601–3 (Eng. Abstr.) **(Ger)**
[Intra-articular therapy with superoxide dismutase (orgotein) or cortisone in rheumatoid and arthritic inflammatory finger joint lesions] Talke M. **Handchir Mikrochir Plast Chir** 1984 Mar;16(1):59–63 (Eng. Abstr.) **(Ger)**
[Rheumatoid arthritis] Werning C. **Med Monatsschr Pharm** 1983 Dec;6(12):354–5 **(Ger)**
[Clinical experiences with the antirheumatism agent carprofen] Kaufmann S. **Med Welt** 1983 Dec 2; 34(48):1373–6 **(Ger)**
[Treatment of chronic polyarthritis. Double-blind study with proglumetacin compared to diclofenac] Grosse-Kielisch C, et al. **MMW** 1983 Nov 25;125(47):1105–6 **(Ger)**
[A field study: piroxicam in arthrosis and soft tissue rheumatism. Results of a multicenter study] Knüsel O, et al. **Praxis** 1983 Sep 13;72(37):1189–94 (Eng. Abstr.) **(Ger)**
[Treatment of gonarthrosis with tolectin] Fellmann N. **Ther Umsch** 1984 May;41(5):370–4 (Eng. Abstr.) **(Ger)**
[Effect of chloroquine diphosphate on the superhelix structure of DNA and protein synthesis in synovial cells in chronic polyarthritis] Bröll H. **Wien Klin Wochenschr** 1983 Dec 23;95(24):877–80 (Eng. Abstr.) **(Ger)**
[Comparison of the effects of diflunisal, ibuprofen and placebo in chronic polyarthritis] Fasching U. **Wien Klin Wochenschr** 1983 Dec 23;95(24):869–72 (Eng. Abstr.) **(Ger)**
[Recently discovered mechanisms of action of non-steroidal antirheumatic agents: possible, not only symptomatic therapeutic effects] Juan H. **Wien Klin Wochenschr** 1983 Dec 23;95(24):865–9 (Eng. Abstr.) **(Ger)**
[Myasthenic syndrome—complication of D-penicillamine therapy] Tellkamp F, et al. **Z Arztl Fortbild (Jena)** 1984; 78(11):439–42 **(Ger)**
[Determination of gold deposition with a new analytical technic (PIXE)] Enderer K, et al. **Z Hautkr** 1984 Mar 15; 59(6):369–72 (Eng. Abstr.) **(Ger)**
[Corticosteroids, non-steroidal antirheumatic agents and the gastroduodenum] Börsch G. **Z Rheumatol** 1984 Jan-Feb; 43(1):1–8 (Eng. Abstr.) **(Ger)**
[Biochemical studies of potentially antiarthritic drugs] Greiling H. **Z Rheumatol** 1983 Jul-Aug;42(4):153–8 (25 ref.) **(Ger)**
[Therapy of rheumatoid polyarthritis. A year's experience with proglumetacin] König B. **ZFA (Stuttgart)** 1983 Oct 10;59(28):1585–9 **(Ger)**
[Pemphigus folliaceous following D-penicillamine in rheumatoid arthritis] Brenner S, et al. **Harefuah** 1983 Feb 1;104(3):94–6 (Eng. Abstr.) **(Heb)**
[Oral gold in the treatment of rheumatoid arthritis (editorial)] Machtey I. **Harefuah** 1983 Aug;105(3–4):88–9 **(Heb)**

[Possible mechanism of action of drugs in the basic therapy of rheumatoid arthritis: effect on platelet aggregation] Fioravanti A, et al. **Boll Soc Ital Biol Sper** 1984 May 30; 60(5):1051–6 (Eng. Abstr.) **(Ita)**

[Evaluation of the efficacy of a single daily administration of slow-release diclofenac in the treatment of degenerative and non-degenerative arthropathies. Multicenter study concerning 643 patients] Baroni L, et al. **Clin Ter** 1984 Apr 30;109(2):155–63 (Eng. Abstr.) **(Ita)**

[Therapy of rheumatoid arthritis] Cervini C. **Clin Ter** 1984 May 31;109(4):367–76 **(Ita)**

[Relation between clinical response and plasma and synovial fluid levels of piroxicam] Chérié Lignière G. **Clin Ter** 1984 Feb 29;108(4):297–304 (Eng. Abstr.) **(Ita)**

[Controlled research on the use of epirizole in the therapy of rheumatoid arthritis] Gallo M, et al. **Clin Ter** 1983 Sep 30;106(6):429–33 (Eng. Abstr.) **(Ita)**

[Chiromorphoergometry and chirophotogrammetry in monitoring non-steroid anti-inflammatory agents] Pauri A, et al. **Clin Ter** 1983 Dec 31;107(6):477–83 (Eng. Abstr.) **(Ita)**

[A multicenter study on the effectiveness of non-steroidal anti- inflammatory agents associated with nandrolone decanoate in the management of osteoarthritis and rheumatoid arthritis] Caniggia A. **Minerva Med** 1983 Nov 30;74(45–46):2737–99 **(Ita)**

[Therapeutic action of Piroxicam administered rectally in rheumatic diseases. Controlled double-blind study] Maccà F, et al. **Minerva Med** 1984 Apr 7;75(14–15):811–9 (Eng. Abstr.) **(Ita)**

[Tolerance and efficacy of proglumetacine in patients with rheumatoid arthritis] Murelli M, et al. **Minerva Med** 1984 May 7;75(19):1141–5 (Eng. Abstr.) **(Ita)**

[Rheumatoid arthritis. Considerations on a rational therapeutic strategy] Tarocco RP, et al. **Minerva Med** 1984 Feb 28;75(8):363–74 (105 ref.) (Eng. Abstr.) **(Ita)**

[Proglumetacin for the treatment of inflammatory and degenerative arthropathies] Tonon R, et al. **Minerva Med** 1984 May 12;75(20):1189–92 (Eng. Abstr.) **(Ita)**

[Auranofin] Ferrari M, et al. **Recenti Prog Med** 1983 Aug; 74(8):968–70 **(Ita)**

[Effect of indoprofen in patients with rheumatoid arthritis] Shichikawa K, et al. **Ryumachi** 1984 Feb;24(1):63–73 **(Jpn)**

[Clinical evaluation of diflunisal in rheumatoid arthritis] Shichikawa K, et al. **Ryumachi** 1983 Aug;23(4):268–79 **(Jpn)**

[Procedure for the evaluation of anti-inflammatory and analgesic agents for the treatment of chronic rheumatoid arthritis: a standard adopted by the Drug Evaluation Committee of the Japan Rheumatism Association] Shichikawa K, et al. **Ryumachi** 1983 Aug;23(4):254–67 **(Jpn)**

[Non-steroidal antiinflammatory agents--mechanisms of action] Wojtecka-Lukasik E, et al. **Acta Physiol Pol** 1983; 34 Suppl 25:19–35 **(Pol)**

[Clinical pharmacology of oxicams] Stochla K, et al. **Pol Tyg Lek** 1983 Jul 25;38(30):933–7 **(Pol)**

[Results of treatment of patients with rheumatoid arthritis with Voltaren SR and Metindol] Maldykowa H, et al. **Reumatologia** 1983;21(3–4):265–70 (Eng. Abstr.) **(Pol)**

[Effect of indomethacin and diclofenac on plasma and synovial prostaglandins in patients with rheumatoid arthritis] Szczepański L, et al. **Reumatologia** 1983; 21(2):149–56 (Eng. Abstr.) **(Pol)**

[Treatment of rheumatoid arthritis with ampicillin: results of long-term observations indicating the possibility of inhibiting the progression of bone damage] Wawrzynska-Pagowska J, et al. **Reumatologia** 1984; 22(1):1–10 (Eng. Abstr.) **(Pol)**

[Therapeutic value of levamisole in rheumatoid arthritis in the light of clinical and laboratory studies] Zielonka E, et al. **Reumatologia** 1983;21(3–4):299–304 (Eng. Abstr.) **(Pol)**

[Chrysotherapy in rheumatoid polyarthritis] Suţeanu S, et al. **Rev Med Interna [Med Interna]** 1983 Mar–Apr; 35(2):107–12 (Eng. Abstr.) **(Rum)**

[Clinico-immunological analysis of the use of nonsteroid anti-inflammatory agents in rheumatoid arthritis] Beneson EV, et al. **Revmatologiia (Moskva)** 1984 Jan–Mar;(1):38–40 (Eng. Abstr.) **(Rus)**

[Effect of levamisole (decaris) on the morphological manifestations of rheumatoid synovitis] Shekhter AB, et al. **Revmatologiia (Moskva)** 1983 Jul–Sep;(3):16–24 (Eng. Abstr.) **(Rus)**

[D-penicillamine in the treatment of patients with rheumatoid arthritis] Gracheva GV, et al. **Ter Arkh** 1983;55(9):94–8 (Eng. Abstr.) **(Rus)**

[A new method of dimethyl sulfoxide administration in patients with rheumatoid arthritis] Murav'ev IuV, et al. **Ter Arkh** 1983;55(7):103–4 (Eng. Abstr.) **(Rus)**

[Chlorbutin, azathioprine, d-penicillamine and dekaris (levamisole) in the treatment of rheumatoid arthritis patients. III. A comparative analysis of their effect on the morphological manifestations of synovitis based on puncture biopsy data] Shekhter AB, et al. **Ter Arkh** 1984; 56(2):121–31 (Eng. Abstr.) **(Rus)**

[Controlled (double blind) study of various regimens of levamisole administration in rheumatoid arthritis] Sigidin IaA, et al. **Ter Arkh** 1983;55(9):90–4 (Eng. Abstr.) **(Rus)**

[Drugs capable of altering the course of rheumatoid arthritis] Trnavski K. **Ter Arkh** 1984;56(5):19–21 **(Rus)**

[Protease inhibitors in the complex treatment of rheumatoid arthritis] Parashchak AP, et al. **Vrach Delo** 1984 Mar; (3):66–8 (Eng. Abstr.) **(Rus)**

[Corticotherapy in rheumatology] Muñoz Gómez J. **Med Clin (Barc)** 1983 May 14;80(17):755–7 **(Spa)**

[The use of immunosuppressive drugs in the treatment of rheumatoid arthritis] Pascual Gómez E. **Med Clin (Barc)** 1983 Oct 22;81(12):540–4 **(Spa)**

[Effect of the 25-hydroxycholecalciferol in patients treated with corticoids] Mautalen C, et al. **Medicina (B Aires)** 1983; 43(2):153–8 (Eng. Abstr.) **(Spa)**

ECONOMICS

Costs and outcomes in rheumatoid arthritis and osteoarthritis. Liang MH, et al. **Arthritis Rheum** 1984 May;27(5):522–9

ENZYMOLOGY

Interactions of granulocyte proteases with inhibitors in rheumatoid arthritis. Ekerot L, et al. **Adv Exp Med Biol** 1984;167:335–44

Enzyme-linked immunoassay for human granulocyte elastase in complex with alpha 1-proteinase inhibitor. Neumann S, et al. **Adv Exp Med Biol** 1984;167:379–90

Plasma levels of inhibitor-bound leukocytic elastase in rheumatoid arthritis patients. Schnebli HP, et al. **Adv Exp Med Biol** 1984;167:355–62

Leucocyte superoxide dismutase in rheumatoid arthritis. Youssef AA, et al. **Ann Rheum Dis** 1983 Oct;42(5):558–62

Metalloproteinases and collagenase inhibitors in rheumatoid synovial fluid. Cawston TE, et al. **Arthritis Rheum** 1984 Mar;27(3):285–90

Decreased serum levels of various hydrolytic enzymes in patients with rheumatoid arthritis. Aoyagi T, et al. **Biochem Int** 1984 Apr;8(4):529–35

Pleural fluid adenosine deaminase in rheumatoid arthritis and systemic lupus erythematosus [letter] Pettersson T, et al. **Chest** 1984 Aug;86(2):273–4

Decreased glucose in RA-cell-positive pleural effusion: correlation of pleural glucose, lactic dehydrogenase and protein concentration to the presence of RA-cells. Faurschou P. **Eur J Respir Dis** 1984 May;65(4):272–7

Cellular interactions and control of collagenase secretion in the synovium. Krane SM, et al. **J Rheumatol** 1983 Dec;10 Suppl 11:7–12

Lysozyme in the labial salivary glands of patients with rheumatoid arthritis. Syrjänen SM, et al. **Z Rheumatol** 1983 Nov-Dec;42(6):332–6

[Significance of mitochondrial enzymes in rheumatoid arthritis] Tanka D. **Acta Histochem [Suppl] (Jena)** 1984; 30:265–73 **(Ger)**

[Use of the proteinase inhibitor alpha 2-macroglobulin in synovial fluids of arthritis of different origins and its relation to serologic parameters] Borth W, et al. **Wien Klin Wochenschr** 1983 Dec 23;95(24):873–7 (Eng. Abstr.) **(Ger)**

[Study of lysosomal enzymes in human synovial membrane and fluid from rheumatoid and non-rheumatoid patients] Takahashi C, et al. **Nippon Seikeigeka Gakkai Zasshi** 1983 Dec;57(12):1895–909 (Eng. Abstr.) **(Jpn)**

[Serum hexokinase isoenzymes in rheumatoid arthritis] Zborovskaia IA. **Sov Med** 1983;(12):6–11 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Carpal tunnel syndrome and subsequent rheumatoid arthritis in the 'fibrositis' syndrome. Richards AJ. **Ann Rheum Dis** 1984 Apr;43(2):232–4

Articular mastocytosis in rheumatoid arthritis. Crisp AJ, et al. **Arthritis Rheum** 1984 Aug;27(8):845–51

Rheumatic manifestations in leprosy: a case report. Nsibambi JK. **East Afr Med J** 1983 Nov;60(11):805–8

Case-control studies. Hochberg MC. **J Rheumatol** 1983 Nov; 10 Suppl 10:92–5

Cohort studies. Kelsey JL. **J Rheumatol** 1983 Nov;10 Suppl 10:96–9

Immunogenetic analysis of rheumatoid arthritis. Sasazuki T. **J Rheumatol** 1983 Nov;10 Suppl 10:54–8

The viral aetiology of rheumatoid arthritis [editorial] **Lancet** 1984 Apr 7;1(8380):772–4

Identifying infectious etiologies of chronic disease. Norden CW, et al. **Rev Infect Dis** 1984 Mar–Apr;6(2):200–13 (65 ref.)

Mycoplasmas and arthritis. Jansson E, et al. **Z Rheumatol** 1983 Nov-Dec;42(6):315–9 (62 ref.)

[Erosive sternoclavicular and manubriosternal arthritis in the rheumatism of acne conglobata. Relation to reactive arthritis] Kaplan G, et al. **Rev Rhum Mal Osteoartic** 1983 Dec;50(12):817–9 **(Fre)**

[The hand in psoriatic arthropathy. Radiographic and xeroradiographic comparison] Scutellari PN, et al. **Radiol Med (Torino)** 1983 Nov;69(11):833–9 (Eng. Abstr.) **(Ita)**

[A case of polymyositis followed by rheumatoid arthritis] Fukui T, et al. **Ryumachi** 1984 Feb;24(1):38–44 (Eng. Abstr.) **(Jpn)**

[Principles of immunoregulation in autoimmune syndromes] Skotnicki AB. **Postepy Hig Med Dosw** 1983 Jul–Aug; 37(4):345–87 (142 ref.) (Eng. Abstr.) **(Pol)**

[A model of polyarthritis in rats immunized with collagen] Woźniczko-Orlowska G, et al. **Reumatologia** 1983; 21(1):5–13 (Eng. Abstr.) **(Pol)**

[Rheumatoid arthritis and peripheral immune pancytopenia as a sequela of posttransfusion hepatitis B (description of a case)] Aprosina ZG, et al. **Ter Arkh** 1983;55(10):25–9 (43 ref.) (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

The familial aggregation of rheumatoid arthritis and its relationship to the HLA-DR4 association. del Junco D, et al. **Am J Epidemiol** 1984 May;119(5):813–29

HLA-DR genotype risks in seropositive rheumatoid arthritis. Legrand L, et al. **Am J Hum Genet** 1984 May;36(3):690–9

Pauciarticular juvenile rheumatoid arthritis: clinical and immunogenetic aspects. Fink CW, et al. **Ann Rheum Dis** 1979;38 Suppl 1:suppl 79–83

Rheumatoid arthritis and type 1 diabetes mellitus [letter] Rudge S. **Ann Rheum Dis** 1983 Oct;42(5):603

DR antigens and gold toxicity in white rheumatoid arthritis patients. Barger BO, et al. **Arthritis Rheum** 1984 Jun; 27(6):601–5

A study of lymphocytotoxins in the sera of families of patients with rheumatoid disease. Hazelton RA. **Arthritis Rheum** 1984 Feb;27(2):233–6

Extended haplotypes of chromosome 6 in adult rheumatoid arthritis. Raum D, et al. **Arthritis Rheum** 1984 May; 27(5):516–21

Alpha-1-antitrypsin types and rheumatoid arthritis. Beckman G, et al. **Clin Genet** 1984 Jun;25(6):496–9

HLA haplotypes in multiple case families with rheumatoid arthritis. Gran JT, et al. **Clin Rheumatol** 1984 Jun; 3(2):173–80

Effects of gamma-irradiation on chromosomes of cultured lymphocytes from rheumatoid arthritis patients and their family members. Cherry LM, et al. **Cytobios** 1984; 39(153):19–27

Immunoglobulin (Gm) markers and alpha 1-antitrypsin (PI) types in rheumatoid arthritis and early onset chronic active hepatitis. Walsh LJ, et al. **J Immunogenet** 1984 Apr; 11(2):115–20

Antibody to rheumatoid arthritis associated nuclear antigen (RANA) in familial rheumatoid arthritis. Bell DA, et al. **J Rheumatol** 1984 Jun;11(3):277–81

Family studies in RA - the importance of HLA-DR4 and of genes for autoimmune thyroid disease. Grennan DM, et al. **J Rheumatol** 1983 Aug;10(4):584–9

Study of HLA antigens in ten multiple-case rheumatoid arthritis families. Nunez G, et al. **J Rheumatol** 1984 Apr; 11(2):129–35

HLA-B27 and involvement of sacroiliac joints in rheumatoid arthritis. Rantapää Dahlqvist S, et al. **J Rheumatol** 1984 Feb;11(1):27–32

HLA DR antigens in rheumatoid arthritis. Gran JT, et al. **Scand J Rheumatol** 1983;12(3):241–5

Genetics of HLA-associated disease; rheumatoid arthritis. Khan MA, et al. **Tissue Antigens** 1983 Sep;22(3):182–5

Association of HLA antigens, toxic reactions and therapeutic response to auranofin and aurothioglucose in patients with rheumatoid arthritis. van Riel PL, et al. **Tissue Antigens** 1983 Sep;22(3):194–9

[B27 - DR4 arthritis and research on symptomatic effects of B27 antigens in rheumatoid polyarthritis and DR4 in ankylosing spondylarthritis] Chalès G, et al. **Rev Rhum Mal Osteoartic** 1983 Nov;50(11):777–81 **(Fre)**

[Genetic structure and clinical polymorphism of rheumatism and rheumatoid arthritis] Benevolenskaia LI, et al. **Revmatologiia (Moskva)** 1984 Jan–Mar;(1):47–51 (Eng. Abstr.) **(Rus)**

[Prognosis of rheumatism and rheumatic arthritis based on clinico-genetic studies] Miakotkin VA, et al. **Ter Arkh** 1983;55(7):49–52 **(Rus)**

[Associations of the clinical characteristics of rheumatoid arthritis with the phenotypes of erythrocyte enzymes] Orlov-Morozov AV, et al. **Ter Arkh** 1984;56(5):75–8 (Eng. Abstr.) **(Rus)**

[Phenotypes of alpha 1-antitrypsin and rheumatoid arthritis (letter)] Monteseirín Mateo FJ, et al. **Med Clin (Barc)** 1984 Jan 21;82(2):88–9 **(Spa)**

HISTORY

The classic: the role of surgery in the rehabilitation of rheumatoid arthritis patients. By Dr. K. Vainio. **Clin Orthop** 1984 Mar;(183):2–3

Subcutaneous nodules and the differentiation of rheumatoid arthritis from rheumatic fever. Benedek TG. **Semin Arthritis Rheum** 1984 May;13(4):305–21 (108 ref.)

IMMUNOLOGY

Complement C3c and C3d in plasma and synovial fluid in rheumatoid arthritis. Berkowicz A, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1983 Dec; 91(6):397–402

Phagocytosis by normal polymorphonuclear leukocytes of immune complexes from serum of patients with Felty's syndrome and rheumatoid arthritis with special reference to IgE immune complexes. Permin H, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1984 Feb; 92(1):37–42

Mechanisms of mediator release from neutrophils. Weissmann G, et al. **Adv Exp Med Biol** 1984;172:527–52

Antibodies against nuclear components in schistosomiasis. Results compared to values in patients with rheumatoid

arthritis, systemic lupus erythematosus, and osteoarthrosis. Bendixen G, et al. **Allergy** 1984 Feb;39(2):107–13

Rheumatoid arthritis: relationship with HLA–D. Stastny P. **Am J Med** 1983 Dec 30;75(6A):9–15 (45 ref.)

Circulating immune complexes and complement in rheumatoid arthritis. Duquesnoy B. **Ann Biol Clin (Paris)** 1984;42(1):71–5

Anti–immunoglobulins and their idiotypes: are they part of the immune network? Kunkel HG, et al. **Ann NY Acad Sci** 1983;418:324–9

Immune deposits at the dermoepidermal junction in patients with rheumatoid arthritis [letter] Brougham PA, et al. **Ann Rheum Dis** 1984 Jun;43(3):537–8

Mononuclear phagocytes in rheumatoid arthritis: Fc–receptor expression by peripheral blood monocytes. Carter SD, et al. **Ann Rheum Dis** 1984 Jun;43(3):424–9

Serum antibodies to type II collagen in rheumatoid arthritis: comparison of 6 immunological methods and clinical features. Clague RB, et al. **Ann Rheum Dis** 1983 Oct; 42(5):537–44

Immune interferon in serum and synovial fluid in rheumatoid arthritis and related disorders. DeGré M, et al. **Ann Rheum Dis** 1983 Dec;42(6):672–6

Epidemiological study of HLA and GM in rheumatoid arthritis and related symptoms in an open Dutch population. de Jongh BM, et al. **Ann Rheum Dis** 1984 Aug; 43(4):613–9

Mechanisms of depressed delayed–type hypersensitivity in rheumatoid arthritis: the role of protein energy malnutrition. Emery P, et al. **Ann Rheum Dis** 1984 Jun; 43(3):430–4

Differences in immunochemical characteristics of cryoglobulins in rheumatoid arthritis and systemic lupus erythematosus and their complement binding properties. Erhardt CC, et al. **Ann Rheum Dis** 1984 Jun;43(3):451–6

Impaired polymorphonuclear leucocyte chemotaxis in rheumatoid arthritis. Goddard DH, et al. **Ann Rheum Dis** 1984 Apr;43(2):151–6

HLA DR antigens and disease expression in rheumatoid arthritis. Griffin AJ, et al. **Ann Rheum Dis** 1984 Apr; 43(2):218–21

Functional defects of monocyte C3b receptor–mediated phagocytosis in rheumatoid arthritis (RA): evidence for an association with the appearance of a circulating population of non–specific esterase–negative mononuclear phagocytes. Hurst NP, et al. **Ann Rheum Dis** 1983 Oct; 42(5):487–93

Antibodies to cultured rat heart cells in sera of patients with rheumatoid arthritis. More R, et al. **Ann Rheum Dis** 1984 Jun;43(3):483–6

The use of C3d as a means of monitoring clinical activity in systemic lupus erythematosus and rheumatoid arthritis. Morrow WJ, et al. **Ann Rheum Dis** 1983 Dec;42(6):668–71

Spontaneous and induced immunoglobulin secretion by synovial fluid B lymphocytes in rheumatoid arthritis. Petersen J, et al. **Ann Rheum Dis** 1984 Apr;43(2):140–5

Enhanced bacterial phagocytosis by peripheral blood monocytes in rheumatoid arthritis. Steven MM, et al. **Ann Rheum Dis** 1984 Jun;43(3):435–9

Seronegative rheumatoid arthritis. Fact or fiction? Masi AT, et al. **Arch Intern Med** 1983 Nov;143(11):2167–72

Rheumatoid arthritis nuclear antigen and Epstein–Barr virus [letter] **Arthritis Rheum** 1984 Apr;27(4):476–8

Seronegative rheumatoid arthritis and B7–CREG: disparate results [letter] Alarcón GS, et al. **Arthritis Rheum** 1983 Nov;26(11):1412–3

Anti–Fab' antibodies in rheumatoid arthritis. Measurement of the relative quantities incorporated in soluble immune complexes in sera and supernatants from cultured peripheral blood lymphocytes. Birdsall HH, et al. **Arthritis Rheum** 1983 Dec;26(12):1481–92

Lack of activation of C1, despite circulating immune complexes detected by two C1q methods, in patients with rheumatoid arthritis. Hack CE, et al. **Arthritis Rheum** 1984 Jan;27(1):40–8

Synthesis of electrophoretically restricted IgG by cultured rheumatoid synovium. Hoffman WL, et al. **Arthritis Rheum** 1984 Sep;27(9):976–84

HLA–DR4 is not a requisite for autoimmunity to collagen in rheumatoid arthritis. Kammer GM, et al. **Arthritis Rheum** 1984 May;27(5):489–94

Rheumatoid arthritis and sterile corneal ulceration. Analysis of tissue immune effector cells and ocular epithelial antigens using monoclonal antibodies. Michels ML, et al. **Arthritis Rheum** 1984 Jun;27(6):606–14

Decreased pokeweed mitogen–induced IgM and IgM rheumatoid factor synthesis in rheumatoid arthritis patients treated with gold sodium thiomalate or penicillamine. Olsen NJ, et al. **Arthritis Rheum** 1984 Sep;27(9):985–94

Association of HLA–DR4/Dw4 and DR2/Dw2 with radiologic changes in a prospective study of patients with rheumatoid arthritis. Preferential relationship with HLA–Dw rather than HLA–DR specificities. Young A, et al. **Arthritis Rheum** 1984 Jan;27(1):20–5

A comparison of Epstein–Barr virus–specific T–cell immunity in rheumatoid arthritis and osteoarthritis patients. Moss DJ, et al. **Aust J Exp Biol Med Sci** 1983 Oct;61 (Pt 5):509–16

Isolation and characterization of circulating immune complexes in patients with rheumatoid arthritis. Perego R, et al. **Boll Ist Sieroter Milan** 1983 Nov 30;62(5):462–8

Biological rhythms in cell–mediated immunity: their relevance in rheumatology. Pownall R. **Br J Clin Pract [Symp Suppl]** 1984;33:20–3

Biological rhythms in the humoral immune system: their possible significance in rheumatology. Unger A. **Br J Clin Pract [Symp Suppl]** 1984;33:24–7

Low density lymphocytes: their relationship to disease activity and to antirheumatic therapy. Alexander GJ, et al. **Br J Rheumatol** 1984 Feb;23(1):6–14

A radiometric assessment of phagocytosis and intracellular killing by blood polymorphonuclear leucocytes in rheumatoid arthritis. Sheehan NJ, et al. **Br J Rheumatol** 1984 Aug;23(3):198–202

Value of test for antinuclear antibodies in rheumatic diseases. Steven MM, et al. **Br Med J [Clin Res]** 1984 Jun 9; 288(6432):1724–5

Connective tissue antigens stimulate collagenase production in arthritic diseases. Golds EE, et al. **Cell Immunol** 1984 Jun;86(1):190–205

Lymphocyte transformation to connective tissue antigens in adult and juvenile rheumatoid arthritis, osteoarthritis, ankylosing spondylitis, systemic lupus erythematosus, and a nonarthritic control population. Golds EE, et al. **Cell Immunol** 1983 Nov;82(1):196–209

Immunoglobulin G–induced experimental chronic immune synovitis: cell–mediated immunity to native interstitial collagen molecules and their constituent polypeptide chains. Kresina TF, et al. **Cell Immunol** 1984 Sep; 87(2):504–16

Binding of immunoglobulins and immune complexes to cartilage derived extracts. Alomari WR, et al. **Clin Exp Immunol** 1983 Dec;54(3):716–22

Fc receptors on granulocytes from patients with rheumatoid arthritis and Felty's syndrome. Breedveld FC, et al. **Clin Exp Immunol** 1984 Mar;55(3):677–83

C3 receptors on granulocytes from patients with rheumatoid arthritis and Felty's syndrome. Breedveld FC, et al. **Clin Exp Immunol** 1984 Sep;57(3):557–63

Interleukin–2 reverses deficient cell–mediated immune responses in rheumatoid arthritis. Emery P, et al. **Clin Exp Immunol** 1984 Jul;57(1):123–9

Anti–globulins and circulating complexes in early rheumatoid arthritis. Hay FC, et al. **Clin Exp Immunol** 1983 Dec; 54(3):723–30

Antibody to streptococcal cell wall peptidoglycan–polysaccharide polymers in seropositive and seronegative rheumatic disease. Johnson PM, et al. **Clin Exp Immunol** 1984 Jan;55(1):115–24

Defective monocyte accessory function due to surface sulphydryl (SH) oxidation in rheumatoid arthritis. McKeown MJ, et al. **Clin Exp Immunol** 1984 Jun; 56(3):607–13

Inhibition of complement–mediated solubilization of antigen–antibody complexes by sera from patients with rheumatoid arthritis. Naama JK, et al. **Clin Exp Immunol** 1983 Nov;54(2):429–38

A serum antibody in patients with rheumatoid arthritis stimulates cathepsin B activity in peritoneal mouse macrophages. Ostensen M, et al. **Clin Exp Immunol** 1983 Nov;54(2):397–404

Analysis of in vitro polyclonal B cell differentiation responses to bacterial peptidoglycan and pokeweed mitogen in rheumatoid arthritis. Pardo I, et al. **Clin Exp Immunol** 1984 May;56(2):253–62

Idiotypic network: possible explanation of seronegativity in a patient with rheumatoid arthritis. Pasquali JL, et al. **Clin Exp Immunol** 1984 Feb;55(2):281–6

Enhanced T helper cell function for the spontaneous production of IgM rheumatoid factor in vitro in rheumatoid arthritis. Patel V, et al. **Clin Exp Immunol** 1984 Jun; 56(3):584–92

T cell subsets in patients with rheumatoid arthritis: reduction of cells with Leu 2A phenotype in patients with serum IgG immunocomplexes. Queiros MV, et al. **Clin Exp Immunol** 1983 Nov;54(2):509–14

Antibodies to cardiac conducting tissue and abnormalities of cardiac conduction in rheumatoid arthritis. Villecco AS, et al. **Clin Exp Immunol** 1983 Sep;53(3):536–40

Evidence for B cell activation in patients with active rheumatoid arthritis. Youinou PY, et al. **Clin Exp Immunol** 1984 Jan;55(1):91–8

Distribution of activated B lymphocytes in the circulation and synovial fluid in rheumatoid arthritis. Bell DA, et al. **Clin Immunol Immunopathol** 1984 May;31(2):272–81

Interleukin 2 deficiencies in rheumatoid arthritis and systemic lupus erythematosus. Miyasaka N, et al. **Clin Immunol Immunopathol** 1984 Apr;31(1):109–17

Immunologic characteristics of the leukocyte adherence inhibition assay in rheumatoid arthritis. Tannenbaum H, et al. **Clin Invest Med** 1983;6(3):153–9

Pathogenesis of rheumatoid arthritis. Harris ED Jr. **Clin Orthop** 1984 Jan–Feb;(182):14–23 (23 ref.)

An immunoelectron–microscopic study of the immunoglobulin–synthesizing cells of the rheumatoid synovial membrane. Ishikawa H, et al. **Clin Orthop** 1984 May;(185):280–9

Third Eular Workshop on Rheumatology Research. Mainz, West Germany, 17–18 February 1983. **Clin Rheumatol** 1983 Mar;2(1):81–106

Immune reactivity in palindromic rheumatism: response to mitogens. Barbieri P, et al. **Clin Rheumatol** 1984 Jun; 3(2):213–6

Changes in mononuclear cell function in patients with rheumatoid arthritis following treatment with auranofin. Coughlan RJ, et al. **Clin Rheumatol** 1984 Mar;3 Suppl 1:25–32

Eluted rheumatoid synovial tissue T cell subsets and HLA–DR bearing cells at different stages of fractionation. Egeland T, et al. **Clin Rheumatol** 1983 Mar;2(1):19–26

A study of IgM rheumatoid factors in a middle–aged population of Northern Norway. Gran JT, et al. **Clin Rheumatol** 1984 Jun;3(2):163–8

Delayed cutaneous hypersensitivity in rheumatoid arthritis: the influence of nutrition and drug therapy. Helliwell MG, et al. **Clin Rheumatol** 1984 Mar;3(1):39–45

Monoclonal antibody investigation in rheumatoid arthritis: presence of a T cell subpopulation bearing a double marker. Lapadula G, et al. **Clin Rheumatol** 1984 Jun;3(2):137–44

Immunological studies in patients with rheumatoid arthritis receiving azathioprine and myocrisin in combination. Lewis P, et al. **Clin Rheumatol** 1982 Sep;1(3):168–75

Clinical relevance of antikeratin antibodies in rheumatoid arthritis. Miossec P, et al. **Clin Rheumatol** 1982 Sep; 1(3):185–9

Enumeration of T–lymphocytes and T–lymphocyte subsets in rheumatoid arthritis using monoclonal antibodies. Raeman F, et al. **Clin Rheumatol** 1982 Sep;1(3):194–8

Rheumatoid vasculitis. Scott DG, et al. **Clin Rheumatol** 1983 Dec;2(4):311–4

The effect of low doses of prednisolone on the traffic of T helper–inducer cells in rheumatoid arthritis. Verbruggen G, et al. **Clin Rheumatol** 1982 Sep;1(3):199–207

Rapidly progressing rheumatoid arthritis: an example of polyclonal B–cell activation? Wollheim FA, et al. **Clin Rheumatol** 1984 Mar;3(1):75–9

Biphasic changes of the immunological reactivity in the course of experimental lectin–induced arthritis of rabbits. Bräuer R, et al. **Exp Pathol** 1983;24(2–3):117–31

Immunohistochemical examinations of rheumatoid granulomas. Geiler G. **Histochem J** 1984 Apr;16(4):377–9

Rheumatoid arthritis: evidence for a defect in T–cell function. Vaughan JH. **Hosp Pract [Off]** 1984 May;19(5):101–7

Serological and cellular definition of a new HLA–DR associated determinant, MC1, and its association with rheumatoid arthritis. Duquesnoy RJ, et al. **Hum Immunol** 1984 Jul;10(3):165–76

Specificity of IgM antibodies to pooled human F(ab')2 fragments. Wolfe LD, et al. **Immunol Commun** 1984; 13(1):15–27

Marker and functional characterization of immunoregulatory cells in rheumatoid arthritis. Vogelsang H, et al. **Immunol Lett** 1983;7(3):135–8

B cell differentiation factor in synovial fluid of patients with rheumatoid arthritis. Al–Balaghi S, et al. **Immunol Rev** 1984 Apr;78:7–23 (45 ref.)

IgM–RF prevents complement–mediated inhibition of immune precipitation. Mitchell WS, et al. **Immunology** 1984 Jul;52(3):445–8

Presence of HLA–DR antigen on synovial type A and B cells: an immunoelectron microscopic study in rheumatoid arthritis, osteoarthritis and normal traumatic joints. Shiozawa S, et al. **Immunology** 1983 Dec;50(4):587–94

Cell–mediated immunity in rheumatoid arthritis. Discrimination between specific and non–specific effects of native and aggregated IgGs on leucocyte migration. Akoğlu T, et al. **Int Arch Allergy Appl Immunol** 1984; 73(4):303–8

Leukocyte sensitization against synovial components in rheumatoid arthritis: blocking by pregnancy serum. Appelboom T, et al. **Int Arch Allergy Appl Immunol** 1984; 74(3):200–5

Association of C1q– and conglutinin–binding immune complexes with high consumption of alpha–2–macroglobulin in synovial fluids of patients with rheumatoid arthritis. Borth W, et al. **Int Arch Allergy Appl Immunol** 1984;75(1):92–6

Cutaneous immunofluorescence studies in adult rheumatoid arthritis in sun–exposed and non–sun–exposed areas. Ma AS, et al. **Int J Dermatol** 1984 May;23(4):269–72

Histamine–triggered localized vasculitis in patients with seropositive rheumatoid arthritis. Jorizzo JL, et al. **J Am Acad Dermatol** 1983 Dec;9(6):845–51

Anti–protein kinase NII antibodies in rheumatic autoimmune diseases. Stetler DA, et al. **J Biol Chem** 1984 Feb 25; 259(4):2077–9

Antibodies to heterogeneous nuclear ribonucleoproteins in sera from patients with rheumatic autoimmune diseases. Zouali M, et al. **J Clin Immunol** 1984 May;4(3):209–19

Serial estimation of anti–RNP antibody titers in systemic lupus erythematosus, mixed connective tissue disease and rheumatoid arthritis. Nishikai M, et al. **J Clin Lab Immunol** 1984 Jan;13(1):15–9

Isotype–specific measurement of rheumatoid factor with reference to clinical features of rheumatoid arthritis. Tarkowski A, et al. **J Clin Lab Immunol** 1983 Nov; 12(3):129–35

Immunoelectron microscopic study of the distribution of T cell subsets in rheumatoid synovium. Kurosaka M, et al. **J Exp Med** 1983 Oct 1;158(4):1191–210

Regulation of natural killer cell activity by macrophages in the rheumatoid joint and peripheral blood. Combe B, et al. **J Immunol** 1984 Aug;133(2):709–13

Characterization of recirculating lymphocytes in rheumatoid arthritis patients: selective deficiency of natural killer cells in thoracic duct lymph. Fox RI, et al. **J Immunol** 1984

Jun;132(6):2883–7

Immune function in severe, active rheumatoid arthritis: a relationship between peripheral blood mononuclear cell proliferation to soluble antigens and mononuclear cell subset profiles. Haraoui B, et al. **J Immunol** 1984 Aug; 133(2):697–701

Suppression of pokeweed mitogen–stimulated immunoglobulin production in patients with rheumatoid arthritis after treatment with total lymphoid irradiation. Kotzin BL, et al. **J Immunol** 1984 Feb;132(2):1049–55

Use of total lymphoid irradiation (TLI) in studies of the T cell–dependence of autoantibody production in rheumatoid arthritis. Tanay A, et al. **J Immunol** 1984 Feb; 132(2):1036–40

A solid–phase enzyme immunoassay for C–reactive protein: clinical value and the effect of rheumatoid factor. Highton J, et al. **J Immunol Methods** 1984 Mar 30;68(1–2):185–92

DR antigen distribution in Blacks with rheumatoid arthritis. Alarcón GS, et al. **J Rheumatol** 1983 Aug;10(4):579–83

Carcinoma polyarthritis: role of immune complexes in pathogenesis. Bradley JD, et al. **J Rheumatol** 1983 Oct; 10(5):826–8

A systematic survey of HLA–A,B,C and D antigens and drug toxicity in rheumatoid arthritis. Dequeker J, et al. **J Rheumatol** 1984 Jun;11(3):282–6

Reticuloendothelial system fc receptor function in rheumatoid arthritis. Fields TR, et al. **J Rheumatol** 1983 Aug;10(4):550–7

Observations on the responses of synovial lymphocytes to viral antigens in rheumatoid arthritis and Reiter's syndrome. Ford DK, et al. **J Rheumatol** 1983 Aug; 10(4):643–6

HLA antigens and drug toxicity in rheumatoid arthritis [editorial] Ford PM. **J Rheumatol** 1984 Jun;11(3):259–61

HLA antigens in palindromic rheumatism, nonerosive rheumatoid arthritis and classical rheumatoid arthritis. Gran JT, et al. **J Rheumatol** 1984 Apr;11(2):136–40

Evidence for activated peripheral blood T–cells in rheumatoid arthritis. Keystone EC, et al. **J Rheumatol** 1983 Dec;10 Suppl 11:85–92

HLA–DR positive T lymphocytes in blood and synovial fluid in rheumatoid arthritis. Kluin–Nelemans HC, et al. **J Rheumatol** 1984 Jun;11(3):272–6

Antibodies to cytoplasmic intermediate filaments in rheumatic diseases. Kurki P, et al. **J Rheumatol** 1983 Aug; 10(4):558–62

Detection and clinical significance of IgE rheumatoid factor. Mizushima Y, et al. **J Rheumatol** 1984 Feb;11(1):22–6

Spontaneous synthesis of IgM rheumatoid factor by blood mononuclear cells from patients with rheumatoid arthritis: effect of treatment with gold salts or D–penicillamine. Olsen N, et al. **J Rheumatol** 1984 Feb;11(1):17–21

Presence of 'rheumatoid neoantigen–like material' in urine of patients with RA, demonstrated by use of leukocyte adherence inhibition assay. Tannenbaum H. **J Rheumatol** 1983 Dec;10 Suppl 11:97–102

An immunogenetic study of older age onset rheumatoid arthritis. Terkeltaub R, et al. **J Rheumatol** 1984 Apr; 11(2):147–9

Immunologic dynamics in cryapheresis for rheumatoid arthritis. Wallace DJ, et al. **J Rheumatol** 1983 Dec; 10(6):894–900

Synovial T lymphocytes in rheumatoid arthritis. Warrington RJ, et al. **J Rheumatol** 1983 Dec;10 Suppl 11:93–6

Analysis of lymphocyte subsets in the blood of rheumatoid arthritis patients: correlation with disease activity. Youinou PY, et al. **J Rheumatol** 1983 Oct;10(5):708–12

Serological reactions using low ionic strength saline (LISS) in patients with rheumatoid arthritis. Rose PE, et al. **Med Lab Sci** 1983 Oct;40(4):391–2

Rheumatoid sera unravel microtubule organizers [news] Hyams JS. **Nature** 1984 Apr 12–18;308(5960):604–5

Antibodies to the Epstein–Barr virus nuclear antigen and to rheumatoid arthritis nuclear antigen identify the same polypeptide. Billings PB, et al. **Proc Natl Acad Sci USA** 1983 Dec;80(23):7104–8

Immunity to type II collagen in rheumatoid arthritis: a current appraisal. Trentham DE. **Proc Soc Exp Biol Med** 1984 Jun;176(2):95–104 (123 ref.)

In vitro synthesis of IgM and IgM rheumatoid factor in seronegative arthritides. Alarcón GS, et al. **Rheumatol Int** 1984;4(2):49–53

The significance of IgM antinuclear antinuclear antibody in rheumatoid arthritis and other connective tissue diseases. Chellingworth MC, et al. **Rheumatol Int** 1984;4(1):23–5

Lymphocyte subpopulations in rheumatoid arthritis. An immunological, enzyme histochemical and morphological study. de Vries F, et al. **Rheumatol Int** 1984;4(2):91–4

Asialylated immunoglobulins and rheumatoid factors. Duc Dodon M, et al. **Rheumatol Int** 1983;3(3):97–100

The tissue architecture of synovial membranes in inflammatory and non–inflammatory joint diseases. II. The localization of mononuclear cells as detected by monoclonal antibodies directed against T–lymphocyte subsets and natural killer cells. Koch B, et al. **Rheumatol Int** 1984;4(2):79–85

Depressed exocytosis by rheumatoid neutrophils in vitro. Minty CA, et al. **Rheumatol Int** 1983;3(3):139–42

HLA–DR antigens and disease patterns of rheumatoid arthritis. Scherak O, et al. **Rheumatol Int** 1983;3(3):113–6

Antibodies to Epstein–Barr virus associated antigens in Pima Indians with and without rheumatoid arthritis. Slovin SF, et al. **Rheumatol Int** 1983;3(2):65–8

Rheumatoid factors in psoriatic arthropathy and in Waaler–Rose negative rheumatoid arthritis. Tarkowski A, et al. **Rheumatol Int** 1984;4(3):115–7

Enumeration of T cell subsets with monoclonal antibodies in minor salivary glands of patients with rheumatoid arthritis. Syrjänen SM, et al. **Scand J Dent Res** 1984 Aug; 92(4):275–81

T–cell immunoregulatory functions in rheumatoid arthritis patients. Egeland T, et al. **Scand J Immunol** 1983 Oct; 18(4):355–62

Quantitative and qualitative impairment of immunoregulatory cells in the circulation of rheumatoid arthritic patients. Algom D, et al. **Scand J Rheumatol** 1984;13(2):155–62

Circulating immune complexes in rheumatoid arthritis with extra–articular manifestations. Jans H, et al. **Scand J Rheumatol** 1983;12(3):215–8

Synovial fluid and blood monocyte influence on lymphocyte proliferation in rheumatoid arthritis and traumatic synovitis. Petersen J, et al. **Scand J Rheumatol** 1983; 12(3):299–304

T lymphocyte subclasses in rheumatoid synovia as analysed with monoclonal antibodies and functional in vitro tests. Ranki A, et al. **Scand J Rheumatol** 1984;13(1):67–76

Impaired conA suppressor cell activity in patients with rheumatoid arthritis shows normalization during fasting. Sköldstam L, et al. **Scand J Rheumatol** 1983;12(4):369–73

Pathophysiological assessment—granulocytes. Hafström I. **Scand J Rheumatol [Suppl]** 1983;51:79–81

Pathophysiological assessment—humoral immunity. Jans H. **Scand J Rheumatol [Suppl]** 1983;51:73–8

Immunosuppressive actions of gold salts. Petersen J, et al. **Scand J Rheumatol [Suppl]** 1983;51:28–35 (51 ref.)

Pathophysiological assessment lymphocytes. Petersen J. **Scand J Rheumatol [Suppl]** 1983;51:68–9

CREG antigens differentially influence expression of extraarticular manifestations in whites and blacks with rheumatoid arthritis. Alarcón GS, et al. **Semin Arthritis Rheum** 1983 Nov;13(2):169–73

Effects of nonsteroidal antiinflammatory drugs on the immune network. Førre O, et al. **Semin Arthritis Rheum** 1983 Aug;13(1 Suppl 1):130–3 (30 ref.)

Effect of nonsteroidal antiinflammatory drugs on immune function. Goodwin JS, et al. **Semin Arthritis Rheum** 1983 Aug;13(1 Suppl 1):134–43 (84 ref.)

The pathogenesis of rheumatoid arthritis and the immune response. Scheinberg MA. **Semin Arthritis Rheum** 1983 Aug;13(1 Suppl 1):99–101

Epstein–Barr virus and rheumatoid arthritis. Bluestein HG, et al. **Surv Immunol Res** 1984;3(1):70–7

Anti–type II collagen antibodies in rheumatoid arthritis. The influence of HLA phenotype. Wooley PH, et al. **Tissue Antigens** 1984 May;23(5):263–9

Enumeration of T cell subsets and functional suppressor cell assays in patients with rheumatoid arthritis and HLA–B27–associated arthritis. Lemm G, et al. **Z Rheumatol** 1984 May–Jun;43(3):106–12

Studies of polyarthritis caused by Mycoplasma arthritidis in rats. I. Detection of the persisting Mycoplasma antigen by the enzyme immune assay (EIA) and conventional culture technique. Kirchhoff H, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Mar; 254(1):129–38

Studies of polyarthritis caused by Mycoplasma arthritidis in rats. II. Serological investigation of rats experimentally infected with M. arthritidis ISR 1. Kirchhoff H, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Apr; 254(2):275–80

[Rheumatoid arthritis and the HLA system] Sheĭtanov I. **Vutr Boles** 1984;23(2):44–7 (31 ref.) **(Bul)**

[Ankylosing spondylitis, rheumatoid arthritis and HLA antigens in Chinese] Zheng SQ. **Chung Hua Nei Ko Tsa Chih** 1983 May;22(5):285–7 (Eng. Abstr.) **(Chi)**

[Immunoregulation and the formation of rheumatoid factors. Review] Hrnčíř Z. **Fysiatr Reumatol Vestn** 1984 Apr; 62(2):91–7 (34 ref.) (Eng. Abstr.) **(Cze)**

[Rheumatoid polyarthritis. The role of immune complexes] Sany J, et al. **Presse Med** 1983 Dec 17;12(46):2915–7 **(Fre)**

[HLA–A, B, C, and DR typing in rheumatoid polyarthritis] Seignalet J, et al. **Rev Med Interne** 1984 Jun;5(2):128–35 (Eng. Abstr.) **(Fre)**

[Cytofluorometric study of the cell cycle and various lymphocyte differentiation membrane antigens in the synovial fluid in rheumatoid polyarthritis] Bonvoisin B, et al. **Rev Rhum Mal Osteoartic** 1984 Jun;51(6):311–6 (Eng. Abstr.) **(Fre)**

[Interleukin 2 and rheumatoid polyarthritis] Cathely G, et al. **Rev Rhum Mal Osteoartic** 1984 May;51(5):251–3 (Eng. Abstr.) **(Fre)**

[Cross reactions of HLA A and B antigens in 63 patients with rheumatoid arthritis] Dreyfus P, et al. **Rev Rhum Mal Osteoartic** 1984 Apr;51(4):197–202 (Eng. Abstr.) **(Fre)**

[Anti–B–lymphocyte antibodies in rheumatoid polyarthritis. I.—1st findings in 22 patients] Mercier P, et al. **Rev Rhum Mal Osteoartic** 1984 Jun;51(6):317–24 (Eng. Abstr.) **(Fre)**

[Activated and cytotoxic–suppressive T cells in rheumatoid polyarthritis] Mercier P, et al. **Rev Rhum Mal Osteoartic** 1983 Jul–Sep;50(8–9):595–602 (Eng. Abstr.) **(Fre)**

[IgG–type antihistone antibodies. Diagnostic value in rheumatoid polyarthritis, scleroderma, spontaneous and drug–induced lupus] Meyer O, et al. **Rev Rhum Mal Osteoartic** 1984 Jun;51(6):303–10 (Eng. Abstr.) **(Fre)**

[Serological profile in so–called seronegative rheumatoid arthritis] Moineau MP, et al. **Rev Rhum Mal Osteoartic** 1984 Feb;51(2):91–5 (Eng. Abstr.) **(Fre)**

[Recent aspects of Epstein–Barr virus infections] Hasler F. **Schweiz Med Wochenschr** 1984 Apr 14;114(15):520–3 (Eng. Abstr.) **(Ger)**

[Is the demonstration of immune complex useful in the activity assessment of chronic polyarthritis?] Schlumpf U, et al. **Schweiz Med Wochenschr** 1984 Jan 28;114(4):118–30 (66 ref.) (Eng. Abstr.) **(Ger)**

[Interaction between fibronectin and aggregated IgG] Menzel EJ, et al. **Wien Klin Wochenschr** 1983 Dec 23;95(24):880–4 (Eng. Abstr.) **(Ger)**

[Origin and significance of a thermostable granulocyte antigen] Hahn P, et al. **Z Gesamte Inn Med** 1984 Feb 15; 39(4):63–7 (Eng. Abstr.) **(Ger)**

[Fibronectin and other immunologic parameters in chronic polyarthritis] Siegmeth W, et al. **Z Rheumatol** 1984 Jan–Feb;43(1):27–9 (Eng. Abstr.) **(Ger)**

[Increased spontaneous lability of the complement system in arthritis] Stojan B. **Z Rheumatol** 1983 Jul–Aug; 42(4):175–7 **(Ger)**

[Determination of the phagocytic ability of leukocytes in patients with chronic polyarthritis] Teherani DK, et al. **Z Rheumatol** 1984 Jan–Feb;43(1):15–7 (Eng. Abstr.) **(Ger)**

[T lymphocyte subpopulations in rheumatoid arthritis] Fossaluzza V, et al. **Arch Sci Med (Torino)** 1983 Jul–Sep; 140(3):287–8 (Eng. Abstr.) **(Ita)**

[Rheumatoid factors: value of their determination in patients with rheumatoid arthritis] Ruffatti A, et al. **Boll Soc Ital Biol Sper** 1983 Aug 30;59(8):1160–4 (Eng. Abstr.) **(Ita)**

[Assay of rheumatoid factors by the indirect immunofluorescence method] Ruffatti A, et al. **Boll Soc Ital Biol Sper** 1983 Aug 30;59(8):1156–9 (Eng. Abstr.) **(Ita)**

[Antigenicity of connective tissue components and autoimmune diseases] Takeda Y, et al. **Nippon Rinsho** 1984 May;42(5):1154–9 **(Jpn)**

[Leukocyte migration inhibitory factor of synovial fluid lymphocytes in rheumatoid arthritis] Ogino M. **Nippon Seikeigeka Gakkai Zasshi** 1984 Jan;58(1):59–67 (Eng. Abstr.) **(Jpn)**

[Circulating immune complexes in malignant rheumatoid arthritis] Ezaki I. **Ryumachi** 1983 Oct;23(5):327–39 (Eng. Abstr.) **(Jpn)**

[Immunohistological studies on lymphocyte infiltration in synovial membranes from patients with rheumatoid arthritis by means of monoclonal antibodies] Igari S, et al. **Ryumachi** 1984 Apr;24(2):94–8 (Eng. Abstr.) **(Jpn)**

[NK and ADCC activities of peripheral lymphocytes in patients with rheumatoid arthritis] Ohara M, et al. **Ryumachi** 1984 Apr;24(2):87–93 (Eng. Abstr.) **(Jpn)**

[Effects of CCA on abnormalities of T–lymphocytes in patients with rheumatoid arthritis] Sonozaki H, et al. **Ryumachi** 1984 Feb;24(1):3–8 (Eng. Abstr.) **(Jpn)**

[Effect of methotrexate (amethopterin) on leukocyte migration in patients with rheumatoid arthritis] Bogdanikowa B, et al. **Reumatologia** 1982;20(3–4):151–5 (Eng. Abstr.) **(Pol)**

[Causes of the appearance of antinuclear antibodies in patients with rheumatoid arthritis (RA)] Chwalińska–Sadowska H, et al. **Reumatologia** 1983;21(2):113–20 (Eng. Abstr.) **(Pol)**

[E and EA rosettes in patients with rheumatoid arthritis] Drozd C. **Reumatologia** 1982;20(3–4):157–62 (Eng. Abstr.) **(Pol)**

[Lymphocyte subpopulations in patients with rheumatoid arthritis after anti–inflammatory and immunosuppressive treatment] Drozd C. **Reumatologia** 1983;21(1):33–7 (Eng. Abstr.) **(Pol)**

[Humoral and cellular immunity in patients with rheumatoid arthritis] Friedek D, et al. **Reumatologia** 1984;22(1):27–33 (Eng. Abstr.) **(Pol)**

[Characteristics of humoral immune response in seronegative arthritis] Swierczyńska Z, et al. **Reumatologia** 1983; 21(3–4):209–20 (Eng. Abstr.) **(Pol)**

[Immunologic status of patients with selected connective tissue diseases] Swierczyńska Z, et al. **Reumatologia** 1983; 21(1):15–24 (Eng. Abstr.) **(Pol)**

[Mechanisms of cellular immunity in rheumatic fever and rheumatoid diseases] Podwysocka–Harasimowicz M. **Wiad Lek** 1983 Aug 1;36(15):1275–9 (40 ref.) **(Pol)**

[Cellular defense mechanisms in rheumatoid arthritis and juvenile rheumatoid arthritis] Pulawska J. **Wiad Lek** 1984 Feb 15;37(4):273–80 (44 ref.) **(Pol)**

[HLA–Dr in cases of rheumatoid arthritis. Introduction of a new marker of clinical aggressivity] Scheinberg MA, et al. **Rev Paul Med** 1983 Jul–Aug;101(4):154 **(Por)**

[Immune complexes in rheumatoid polyarthritis] Banciu M, et al. **Rev Med Interna [Med Interna]** 1982 May–Jun; 34(3):257–65 (Eng. Abstr.) **(Rum)**

[Carcinoembryonic antigen levels of the blood serum of rheumatoid arthritis patients] Kallikorm RE, et al.

Revmatologiia (Moskva) 1984 Jan-Mar;(1):45-7 (Eng. Abstr.) **(Rus)**

[Effect of polyoxyethylene sorbitol trioleate on the immunoadherent activity of T-lymphocytes in rheumatoid arthritis] Manev V, et al. **Revmatologiia (Moskva)** 1983 Oct-Dec;(4):40-2 (Eng. Abstr.) **(Rus)**

[Value of assessing the functional activity of monocytes in determining the activity of rheumatoid arthritis] Sinitsyn PD, et al. **Revmatologiia (Moskva)** 1984 Apr-Jun;(2):42-5 (Eng. Abstr.) **(Rus)**

[Basic immunologic indices and their significance in the diagnosis of rheumatic diseases. II. Analysis of immunologic indices in individual rheumatic diseases] Timofeev VT. **Revmatologiia (Moskva)** 1983 Oct-Dec; (4):48-54 (76 ref.) **(Rus)**

[Changes in the immunological reactivity indices of rheumatoid arthritis patients as affected by treatment at a mud-bath health resort] Trofimova RI, et al. **Revmatologiia (Moskva)** 1984 Jan-Mar;(1):43-5 (Eng. Abstr.) **(Rus)**

[Antibodies to chondroitin sulfate and the leukocyte migration inhibition reaction in patients with rheumatoid arthritis and deforming osteoarthrosis] Ul'videne IV, et al. **Sov Med** 1984;(3):27-9 (Eng. Abstr.) **(Rus)**

[Clinical significance of cellular immunity indices in rheumatoid arthritis] Benenson EV, et al. **Ter Arkh** 1984; 56(5):57-60 (Eng. Abstr.) **(Rus)**

[Immunological disorders in seronegative and seropositive rheumatoid arthritis] Benenson EV, et al. **Ter Arkh** 1983; 55(7):42-6 (Eng. Abstr.) **(Rus)**

[Clinical course and immunological characteristics of rheumatoid arthritis in men] Dormidontov EN, et al. **Ter Arkh** 1984;56(5):66-8 (Eng. Abstr.) **(Rus)**

[Rheumatoid arthritis in combination with osteoarthrosis deformans (characteristic clinical manifestations and various immunological indices)] Dormidontov EN, et al. **Ter Arkh** 1983;55(7):71-4 (Eng. Abstr.) **(Rus)**

[Chemotactic activity of the synovial fluid in patients with rheumatoid arthritis] Karimova FSh. **Ter Arkh** 1983; 55(7):38-42 (Eng. Abstr.) **(Rus)**

[Clinico-immunological characteristics of rheumatoid arthritis and systemic lupus erythematosus] Mikunis RI, et al. **Ter Arkh** 1983;55(7):46-9 **(Rus)**

[Importance of rheumatoid factors in joint inflammation in rheumatoid arthritis] Munthe E, et al. **Ter Arkh** 1984; 56(5):10-4 **(Rus)**

[Immunological and biochemical characteristics of circulating immune complexes in rheumatoid arthritis and systemic lupus erythematosus] Venalis AI, et al. **Ter Arkh** 1983;55(7):24-8 **(Rus)**

[Correction of secondary immunodeficiency with antilymphocyte sera and gamma globulins] Antonenko VT, et al. **Vrach Delo** 1983 Sep;(9):72-5 (Eng. Abstr.) **(Rus)**

METABOLISM

Quantitation of human leukocyte elastase, cathepsin G, alpha-2-macroglobulin and alpha-1-proteinase inhibitor in osteoarthrosis and rheumatoid arthritis synovial fluids. Virca GD, et al. **Adv Exp Med Biol** 1984;167:345-53

alpha 2-Macroglobulin in joint disease. Borth W, et al. **Ann NY Acad Sci** 1983;421:377-81

Increased DNA and/or RNA content of synovial fluid cells in rheumatoid arthritis: a flow-cytometry study. Bonvoisin B, et al. **Ann Rheum Dis** 1984 Apr;43(2):222-7

Heparin modulates intracellular cyclic AMP in human trabecular bone cells and adherent rheumatoid synovial cells. Crisp AJ, et al. **Ann Rheum Dis** 1984 Aug; 43(4):628-34

Leukotriene B4, a mediator of inflammation present in synovial fluid in rheumatoid arthritis. Davidson EM, et al. **Ann Rheum Dis** 1983 Dec;42(6):677-9

Monocyte superoxide anion production in rheumatoid arthritis: preliminary evidence for enhanced rates of superoxide anion production by monocytes from patients receiving penicillamine, sodium aurothiomalate and corticosteroids. Hurst NP, et al. **Ann Rheum Dis** 1984 Feb; 43(1):28-33

Protective factors against oxygen free radicals and hydrogen peroxide in rheumatoid arthritis synovial fluid. Biemond P, et al. **Arthritis Rheum** 1984 Jul;27(7):760-5

The effect of synovial iron on the progression of rheumatoid disease. A histologic assessment of patients with early rheumatoid synovitis. Blake DR, et al. **Arthritis Rheum** 1984 May;27(5):495-501

Characterization of synovial fluid fibronectin from patients with rheumatic inflammatory diseases and healthy subjects. Carnemolla B, et al. **Arthritis Rheum** 1984 Aug; 27(8):913-21

Fibronectin on the surface of articular cartilage in rheumatoid arthritis. Shiozawa K, et al. **Arthritis Rheum** 1984 Jun; 27(6):615-22

Systemic bioavailability and pharmacokinetics of methylprednisolone in patients with rheumatoid arthritis following 'high-dose' pulse administration. Narang PK, et al. **Biopharm Drug Dispos** 1983 Jul-Sep;4(3):233-48

Copper stimulated phospholipid membrane peroxidation: antioxidant activity of serum and synovial fluid from patients with rheumatoid arthritis. Gutteridge JM, et al. **Clin Chim Acta** 1984 May 16;139(1):85-90

The role of cellular interactions in joint erosions. Dingle JT. **Clin Orthop** 1984 Jan-Feb;(182):24-30 (32 ref.)

Tiflamizole elimination from plasma in rheumatoid arthritis. Narhi D, et al. **Clin Pharmacol Ther** 1984 Jul;36(1):92-8

Plasma membrane glycoproteins of cultured rheumatoid synovial fibroblasts. Kouri T, et al. **Clin Rheumatol** 1983 Jun;2(2):153-8

Plasma levels and urinary excretion of prostaglandins in patients with rheumatoid arthritis. Laitinen O, et al. **Clin Rheumatol** 1983 Dec;2(4):401-6

Investigations concerning vitamin A transport in rheumatic diseases. Mezes M, et al. **Clin Rheumatol** 1982 Sep; 1(3):190-3

Relationship between local and total bone mineral in patients with rheumatoid arthritis and normal subjects. Skibsted Als O, et al. **Clin Rheumatol** 1983 Sep;2(3):265-71

Lipid peroxidation in rheumatoid arthritis: thiobarbituric acid-reactive material and catalytic iron salts in synovial fluid from rheumatoid patients. Rowley D, et al. **Clin Sci** 1984 Jun;66(6):691-5

The binding of ibuprofen to plasma proteins. Aarons L, et al. **Eur J Clin Pharmacol** 1983;25(6):815-8

Plasma and synovial fluid concentrations of diclofenac sodium and its major hydroxylated metabolites during long-term treatment of rheumatoid arthritis. Fowler PD, et al. **Eur J Clin Pharmacol** 1983;25(3):389-94

Binding of piroxicam to synovial fluid and plasma proteins in patients with rheumatoid arthritis. Trnavská Z, et al. **Eur J Clin Pharmacol** 1984;26(4):457-61

Beta-thromboglobulin in inflammatory synovial fluid. Hällgren R, et al. **Inflammation** 1983 Dec;7(4):311-9

Comparison of tolmetin kinetics in rheumatoid arthritis and matched healthy controls. Furst DE, et al. **J Clin Pharmacol** 1983 Nov-Dec;23(11-12):557-62

Superoxide production in neutrophils of patients with rheumatoid arthritis and Felty's syndrome. Chiu PL, et al. **J Rheumatol** 1983 Oct;10(5):694-700

Acetylator phenotype and the effect of dapsone in rheumatoid arthritis. Crook PR, et al. **J Rheumatol** 1983 Oct;10(5):805-8

Monocyte dependent excited oxygen radical generation in rheumatoid arthritis: inhibition by gold sodium thiomalate. Harth M, et al. **J Rheumatol** 1983 Oct;10(5):701-7

Elevations in synovial fluid plasminogen activator in patients with rheumatoid arthritis. Mochan E, et al. **J Rheumatol** 1984 Apr;11(2):123-8

Studies of histamine in the rheumatoid joint. Crisp AJ. **Rheumatol Int** 1984;4(3):125-8

Study of enzyme inhibitors in the rheumatoid pannus-cartilage area. Flory ED, et al. **Rheumatol Int** 1983; 3(2):81-7

The oxidation of serum sulph-hydryl groups by hydrogen peroxide secreted by stimulated phagocytic cells in rheumatoid arthritis. Hall ND, et al. **Rheumatol Int** 1984; 4(1):35-8

The localization of fibronectin in rheumatoid arthritis synovium by light and electron microscopic immunohistochemistry. Matsubara T, et al. **Rheumatol Int** 1983;3(4):153-9

Vitamin B12 binding proteins (transcobalamin and haptocorrin) in serum and synovial fluid of patients with rheumatoid arthritis and traumatic synovitis. Christensen PA, et al. **Scand J Rheumatol** 1983;12(3):268-72

Lentil lectin-bound glycoproteins of cultured rheumatoid synovial cells. Kouri T, et al. **Scand J Rheumatol** 1983; 12(3):231-6

Glucose metabolism in patients with rheumatoid arthritis. Leden I, et al. **Scand J Rheumatol** 1984;13(2):129-32

Pathophysiological assessment--connective tissue metabolism. Junker P. **Scand J Rheumatol [Suppl]** 1983; 51:85-7, 89

The neutrophil in rheumatoid arthritis: its role and the inhibition of its activation by nonsteroidal antiinflammatory drugs. Abramson S, et al. **Semin Arthritis Rheum** 1983 Aug; 13(1 Suppl 1):148-53

The significance of fibronectin in rheumatoid arthritis. Scott DL, et al. **Semin Arthritis Rheum** 1984 Feb;13(3):244-54

The evaluation of bone changes in patients with rheumatoid arthritis. Perlík F, et al. **Z Rheumatol** 1983 Sep-Oct; 42(5):261-4

[Changes in the metabolism of collagen in progressive polyarthritis] Adam M, et al. **Cas Lek Cesk** 1984 Jun 15; 123(24):724-6 (Eng. Abstr.) **(Cze)**

[Observations on the pathophysiology of the rheumatoid joint] Trnavský K, et al. **Fysiatr Reumatol Vestn** 1983 Oct; 61(5):252-5 (Eng. Abstr.) **(Cze)**

[Drug concentrations in blood, synovial fluid, synovial membrane, periarticular bone, muscle and adipose tissue in patients with rheumatoid polyarthritis receiving a single intramuscular injection of ketoprofen or acetylsalicylic acid (3 hours after the injection)] Köhler G, et al. **Sem Hop Paris** 1983 Dec 12;59(46):3210-3 (Eng. Abstr.) **(Fre)**

[Hydroxyproline in synovial exudates and serum of patients with rheumatoid arthritis] Szczepański L, et al. **Reumatologia** 1984;22(1):19-26 (Eng. Abstr.) **(Pol)**

[Approach to rheumatoid arthritis activity from the laboratory aspect] Hajzoková M, et al. **Cas Lek Cesk** 1984 Apr 6;123(14):412-5 (Eng. Abstr.) **(Slo)**

MICROBIOLOGY

Abnormally elevated frequency of Epstein-Barr virus-infected B cells in the blood of patients with rheumatoid arthritis. Tosato G, et al. **J Clin Invest** 1984 Jun;73(6):1789-95

Another viral candidate [news] Brown KA. **Nature** 1984 Jun 14-20;309(5969):582

Association of parvoviruses with rheumatoid arthritis of humans. Simpson RW, et al. **Science** 1984 Mar 30; 223(4643):1425-8

[Epstein-Barr virus and its role in various rheumatic diseases] Anan'eva LP, et al. **Ter Arkh** 1983;55(7):140-6 (54 ref.) **(Rus)**

[Indication of mycoplasmas in the synovial fluid of rheumatoid arthritis patients] Zheverzheeva IV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Sep;(9):63-6 (Eng. Abstr.) **(Rus)**

MORTALITY

Cause of death in rheumatoid arthritis. Prior P, et al. **Br J Rheumatol** 1984 May;23(2):92-9

Survival and death in rheumatoid arthritis [editorial] Cosh JA. **J Rheumatol** 1984 Apr;11(2):117-9

Survival and cause of death in rheumatoid arthritis: a 25-year prospective followup. Vandenbroucke JP, et al. **J Rheumatol** 1984 Apr;11(2):158-61

OCCURRENCE

Rheumatoid arthritis in Lesotho. Moolenburgh JD, et al. **Ann Rheum Dis** 1984 Feb;43(1):40-3

Low prevalence of rheumatoid arthritis in Chinese. Prevalence survey in a rural community. Beasley RP, et al. **J Rheumatol** 1983 Nov;10 Suppl 10:11-5

Epidemiology of rheumatoid arthritis in developed countries. Hochberg MC. **J Rheumatol** 1983 Nov;10 Suppl 10:7-10

Study constraints in African and other epidemiological surveys. Valkenburg HA. **J Rheumatol** 1983 Nov;10 Suppl 10:78-81

Psoriasis and arthritis. I. A population study. van Romunde LK, et al. **Rheumatol Int** 1984;4(2):55-60

PATHOLOGY

Clinical and histological evaluation of synovial needle-biopsies in patients suffering from rheumatoid arthritis. I. Relationship between clinical activity and histological pattern. Bély M, et al. **Acta Morphol Hung** 1984;32(1):57-65

Articular patterns in the early course of rheumatoid arthritis. Masi AT. **Am J Med** 1983 Dec 30;75(6A):16-26

Mast cells at sites of cartilage erosion in the rheumatoid joint. Bromley M, et al. **Ann Rheum Dis** 1984 Feb;43(1):76-9

Laminin and vascular proliferation in rheumatoid arthritis. Scott DL, et al. **Ann Rheum Dis** 1984 Aug;43(4):551-5

Intestinal infarction in rheumatoid arthritis. Three cases due to unusual obliterative vascular lesions. McCurley TL, et al. **Arch Pathol Lab Med** 1984 Feb;108(2):125-8

Histopathology of the rheumatoid lesion. Identification of cell types at sites of cartilage erosion. Bromley M, et al. **Arthritis Rheum** 1984 Aug;27(8):857-63

Chondroclasts and osteoclasts at subchondral sites of erosion in the rheumatoid joint. Bromley M, et al. **Arthritis Rheum** 1984 Sep;27(9):968-75

Quantitation of human synovial mast cells in rheumatoid arthritis and other rheumatic diseases. Godfrey HP, et al. **Arthritis Rheum** 1984 Aug;27(8):852-6

Interaction of polymorphonuclear leukocytes with immune complexes trapped in rheumatoid articular cartilage. Ugai K, et al. **Arthritis Rheum** 1983 Dec;26(12):1434-41

Immunohistologic characterization of synovial membrane lymphocytes in rheumatoid arthritis. Young CL, et al. **Arthritis Rheum** 1984 Jan;27(1):32-9

Renal biopsy appearances in rheumatoid disease. Sellars L, et al. **Clin Nephrol** 1983 Sep;20(3):114-20

Terminal phalangeal sclerosis in rheumatoid arthritis. Williams M, et al. **Clin Radiol** 1984 May;35(3):237-8

Lytic lesions of the femoral neck in rheumatoid arthritis simulating pigmented villonodular synovitis or malignancy. Gerster JC, et al. **Clin Rheumatol** 1982 Mar;1(1):30-4

Reticulin and its related structural connective tissue proteins in the rheumatoid synovium. Scott DL, et al. **Histopathology** 1984 May;8(3):469-79

Rheumatoid synovial cell hormone responses modulated by cell-cell interactions. Goldring SR, et al. **Inflammation** 1984 Mar;8(1):107-21

Is rheumatoid arthritis becoming less severe? Silman A, et al. **J Chronic Dis** 1983;36(12):891-7

Mast cells in rheumatoid arthritis [editorial] Crisp AJ. **J R Soc Med** 1984 Jun;77(6):450-1

Mechanisms of connective tissue destruction and repair in articular tissues. 1st Edward Dunlop Scientific Symposium. Kingston, Ontario, Canada, October 8 and 9, 1982. **J Rheumatol** 1983 Dec;10 Suppl 11:5-117

Cellular mechanisms of bone damage and repair in the arthritic joint. Duncan H. **J Rheumatol** 1983 Dec;10 Suppl 11:29-37

Hypothesis: in vitro evidence for the invasive and tumor-like properties of the rheumatoid pannus. Hamilton JA. **J Rheumatol** 1983 Dec;10(6):845-51

Histopathology of the subchondral bone lesion in rheumatoid arthritis. Wyllie JC. **J Rheumatol** 1983 Dec;10 Suppl 11:26-8

Factors involved in cartilage injury. Ziff M. **J Rheumatol** 1983 Dec;10 Suppl 11:13-25

Particularities of rheumatoid arthritis in aged people. Georgescu C, et al. **Med Interne** 1983 Oct-Dec; 21(4):297-301

Case report: massive osteolysis in a case of rheumatoid arthritis: clinical, histologic and biochemical findings. Mbuyi-Muamba JM, et al. **Metab Bone Dis Relat Res** 1983-84;5(3):101-5

The tissue architecture of synovial membranes in inflammatory and non-inflammatory joint diseases. I. The localization of the major synovial cell populations as detected by monoclonal reagents directed towards Ia and monocyte-macrophage antigens. Burmester GR, et al. **Rheumatol Int** 1983;3(4):173-81

Platelets in the synovial fluid of patients with rheumatoid arthritis. Farr M, et al. **Rheumatol Int** 1984;4(1):13-7

An electron microscopic study of the synovial-bone junction in rheumatoid arthritis. Ishikawa H, et al. **Rheumatol Int** 1984;4(1):1-8

The ultrastructural localization of fibronectin in the lining layer of rheumatoid arthritis synovium: the synthesis of fibronectin by type B lining cells. Matsubara T, et al. **Rheumatol Int** 1983;3(2):75-9

The thickening of basement membrane in synovial capillaries in rheumatoid arthritis. Matsubara T, et al. **Rheumatol Int** 1983;3(2):57-64

Proximal dissection of the olecranon bursa in rheumatoid arthritis. Petrie JP, et al. **Rheumatol Int** 1984;4(3):139-40

The effect of rheumatoid synovial fluid macrophages on DNA, glycosaminoglycan and collagen synthesis by synovial fibroblasts. Pulkki K, et al. **Rheumatol Int** 1983; 3(3):133-8

Scanning immuno-electron microscopy of a monoclonal, Epstein-Barr Virus(EBV) transformed human cell line producing rheumatoid factor in-vitro. Gamliel H, et al. **Scan Electron Microsc** 1983;(Pt 1):271-8

Sebaceous glands in the buccal mucosa in patients with rheumatic disorders. Vilppula AH, et al. **Scand J Rheumatol** 1983;12(4):337-42

Immunoelectronmicroscopic characterization of intracellular inclusions in synovial fluid cells of patients with rheumatoid arthritis. Cherian PV, et al. **Ultrastruct Pathol** 1983 Jul; 5(1):15-27

Studies of polyarthritis caused by mycoplasma arthritidis in rats. III. Histopathological findings. Hermanns W, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 May; 254(3):423-34

[Rheumatoid polyarthritis. Diagnostic contribution of synovial biopsy (letter)] Treves R, et al. **Presse Med** 1984 Feb 4;13(4):224 **(Fre)**

[Recent advances in rheumatism research] Fassbender HG. **Lebensversicherungsmedizin** 1984 Jun 12;36(5):107-10 (Eng. Abstr.) **(Ger)**

[The relevance of animal experiments to human arthritis and the effect of drug therapy on experimentally induced arthritis in animals] Mohr W, et al. **Z Rheumatol** 1983 Jul-Aug;42(4):159-70 (74 ref.) **(Ger)**

[Vessels and heart in rheumatoid arthritis] Cervini C. **Clin Ter** 1984 Jan 15;108(1):3-9 (Eng. Abstr.) **(Ita)**

[An autopsy case of pulmonary asbestosis complicated with secondary bronchitis and rheumatoid arthritis] Narita N, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Oct; 21(10):1000-6 (Eng. Abstr.) **(Jpn)**

[Connective tissue diseases in the field of osteopathy] Goto S. **Nippon Rinsho** 1984 May;42(5):1160-8 **(Jpn)**

[Hematopoietic stem cells in chronic rheumatoid arthritis] Shichishima T, et al. **Rinsho Ketsueki** 1983 Jul;24(7):826-33 (Eng. Abstr.) **(Jpn)**

[Progression of bone atrophy in patients with rheumatoid arthritis] Hayashi Y, et al. **Ryumachi** 1983 Jun;23(3):141-6 (Eng. Abstr.) **(Jpn)**

[Clinico-pathological study on the cervical involvement in rheumatoid arthritis] Kuwahara S. **Ryumachi** 1983 Oct; 23(5):340-53 (Eng. Abstr.) **(Jpn)**

[Electron-microscopy picture of the rheumatoid synovial membrane] Kalczak M, et al. **Reumatologia** 1983; 21(1):39-45 (Eng. Abstr.) **(Pol)**

[Pathomorphological changes in the internal organs and causes of death in cases of rheumatoid arthritis in adults] Wagner T, et al. **Reumatologia** 1983;21(2):121-7 (Eng. Abstr.) **(Pol)**

[Case of fibrosing alveolitis (intravital morphological substantiation of the diagnosis) found in a female patient with rheumatoid arthritis being treated with D-penicillamine] Baranova IA, et al. **Revmatologiia (Moskva)** 1983 Jul-Sep;(3):53-5 **(Rus)**

[Ultrastructural signs indicative of possible viral infection in rheumatoid arthritis] Mul'diiarov PIa, et al. **Revmatologiia (Moskva)** 1983 Jul-Sep;(3):11-5 (Eng. Abstr.) **(Rus)**

[Morphology of the early phase of rheumatoid synovitis compared to the clinical course of the disease. I. Cytoproliferation and cytolysis--the main signs of rheumatoid synovitis] Venikova MS. **Revmatologiia (Moskva)** 1984 Jan-Mar;(1):14-9 (Eng. Abstr.) **(Rus)**

[Arthritis mutilans in systemic scleroderma] Anikina NV, et al. **Ter Arkh** 1984;56(5):111-3 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Oscillographic visualization of forces during loading of the foot by body weight. Rybka V. **Acta Univ Carol [Med] (Praha)** 1982;28(7-8):489-521

Pathophysiological mechanisms in the rheumatoid synovial membrane. Panayi GS. **Agents Actions [Suppl]** 1984; 14:133-41 (30 ref.)

Evaluation of pathophysiology and drug effects on rheumatoid arthritis. Harris ED Jr. **Am J Med** 1983 Oct 31;75(4B):56-61 (19 ref.)

Pathogenesis of the joint disease of rheumatoid arthritis. Zvaifler NJ. **Am J Med** 1983 Dec 30;75(6A):3-8 (35 ref.)

Is pannus a residue of inflammation? [letter] Fassbender HG. **Arthritis Rheum** 1984 Aug;27(8):956-7

Rheumatoid arthritis and small airways function. Effects of disease activity, smoking, and alpha 1-antitrypsin deficiency. Mountz JD, et al. **Arthritis Rheum** 1984 Jul; 27(7):728-36

Severe functional declines, work disability, and increased mortality in seventy-five rheumatoid arthritis patients studied over nine years. Pincus T, et al. **Arthritis Rheum** 1984 Aug;27(8):864-72

Effect of heavy metals on human rheumatoid synovial cell proliferation and collagen synthesis. Goldberg RL, et al. **Biochem Pharmacol** 1983 Sep 15;32(18):2763-6

The chiromorphoergometry and the chirophotogrammetry. Fangi G, et al. **Boll Soc Ital Biol Sper** 1983 Aug 30; 59(8):1204-9

The relationship of plasma and serum viscosity to disease activity and smoking habit in rheumatoid arthritis. Larkin JG, et al. **Br J Rheumatol** 1984 Feb;23(1):15-9

Unilateral exacerbation of rheumatoid arthritis by hemiparesis. Pattrick M, et al. **Br J Rheumatol** 1984 May; 23(2):107-9

Pressure under the forefoot in rheumatoid arthritis. A comparison of static and dynamic methods of assessment. Minns RJ, et al. **Clin Orthop** 1984 Jul-Aug;(187):235-42

Measuring function and health status in rheumatic disease clinical trials. Liang MH, et al. **Clin Rheum Dis** 1983 Dec; 9(3):531-9

Echocardiograp. ic evaluation of patients with rheumatoid arthritis. Del Real-More O, et al. **Clin Rheumatol** 1983 Dec; 2(4):381-5

A controlled study of the exocrine pancreatic function in Sjögren's syndrome and rheumatoid arthritis. Gobelet C, et al. **Clin Rheumatol** 1983 Jun;2(2):139-43

The use of questionnaires in the evaluation of the functional capacity in rheumatoid arthritis. Singer F, et al. **Clin Rheumatol** 1982 Dec;1(4):251-61

Neurophysiological assessment of the somatosensory pathway in rheumatic patients with atlanto-axial subluxation. Schoenhuber R, et al. **Electromyogr Clin Neurophysiol** 1984 Mar-Apr;24(3):213-6

Remission of rheumatoid arthritis and other disorders of immunity in patients taking monoamine oxidase inhibitors. Lieb J. **Int J Immunopharmacol** 1983;5(4):353-7

Grip strength: peak or sustained pressure in rheumatoid arthritis? Grindulis KA, et al. **J Chronic Dis** 1983; 36(12):855-8

Evaluation of impairment of hand function. Swanson AB, et al. **J Hand Surg** 1983 Sep;8(5 Pt 2):709-22

Judging 'current disease activity' in rheumatoid arthritis--an international comparison. Kirwan JR, et al. **J Rheumatol** 1983 Dec;10(6):901-5

The combined effect of ACTH (gel) and D-penicillamine on the functional disability of patients with RA [letter] Richards AJ. **J Rheumatol** 1984 Feb;11(1):110

Immune complexes and clinical manifestations in patients with rheumatoid arthritis [letter] Rodriguez MA, et al. **J Rheumatol** 1984 Apr;11(2):245-6

Comparison of arthritis and cancer pain patients: are distinct clinical pain syndromes definable using the McGill Pain Questionnaire? Nehemkis AM, et al. **Percept Mot Skills** 1984 Feb;58(1):126

Surface membrane glycoproteins of macrophage-like synovial cells from rheumatoid and control patients. Kouri T, et al. **Scand J Immunol** 1984 Apr;19(4):359-64

Pathophysiological assessment--mediators of inflammation. Mørk-Hansen T. **Scand J Rheumatol [Suppl]** 1983;51:82-4

Chiromorphoergometry (a new method for assessment of joint involvement in rheumatoid arthritis). Cervini C, et al. **Z Rheumatol** 1984 May-Jun;43(3):113-6

[Functional pulmonary changes in patients with progressive polyarthritis] Kučera M, et al. **Cas Lek Cesk** 1982 Nov 11;122(45):1388-91 (Eng. Abstr.) **(Cze)**

[Drug therapy of pain in patients with rheumatoid arthritis] Pavelka K, et al. **Cas Lek Cesk** 1984 Apr 6;123(14):407-11 (Eng. Abstr.) **(Cze)**

[Influence of pregnancy and the hormonal status on rheumatoid arthritis] Benhamou CL, et al. **Presse Med** 1983 Oct 15;12(36):2223-4 **(Fre)**

[Acid-base equilibrium, oxygen partial pressure, oxyhemoglobin saturation and 2,3-DPG in 40 patients with rheumatoid arthritis] Montaldo PL, et al. **Boll Soc Ital Cardiol** 1983 Feb;28(2):149-53 (Eng. Abstr.) **(Ita)**

[Latent or evident microangiopathies in rheumatology: proposal of a pharmacologic test] Piergiacomi G, et al. **Clin Ter** 1984 Jan 15;108(1):67-77 (Eng. Abstr.) **(Ita)**

[Lung function and anesthetic management in patients with rheumatoid arthritis] Masuda R, et al. **Masui** 1983 May; 32(5):520-6 (Eng. Abstr.) **(Jpn)**

[Physiopathological changes and treatment of rheumatoid arthritis] Tanaka K. **Ryumachi** 1983 Dec;23(6):385-8 **(Jpn)**

[Clinical course of rheumatoid arthritis depending on patient sex and age] Dormidontov EN, et al. **Revmatologiia (Moskva)** 1983 Jul-Sep;(3):47-9 (Eng. Abstr.) **(Rus)**

[The nervous system in rheumatoid arthritis] Manelis ZS, et al. **Revmatologiia (Moskva)** 1984 Jan-Mar;(1):51-4 (48 ref.) **(Rus)**

[Diagnosis of cardiovascular disorders in rheumatoid arthritis patients] Tupikin GV, et al. **Revmatologiia (Moskva)** 1984 Apr-Jun;(2):22-5 (Eng. Abstr.) **(Rus)**

[Functional state of the myocardium in rheumatoid arthritis patients] Kogan BM, et al. **Sov Med** 1984;(2):90-2 **(Rus)**

[Pathogenetic role of the impairment of fibroblast receptor function in rheumatoid diseases] Grozdova MD, et al. **Ter Arkh** 1983;55(7):12-5 **(Rus)**

[Pathogenetic mechanisms of microcirculation disorders in rheumatoid diseases] Guseva NG, et al. **Ter Arkh** 1983; 55(7):7-11 (Eng. Abstr.) **(Rus)**

[Adrenal function in rheumatoid arthritis] Babynina LIa. **Vrach Delo** 1984 Apr;(4):15-8 (Eng. Abstr.) **(Rus)**

[Capillary circulation and various indices of tissue metabolism in patients with rheumatoid arthritis] Bakaliuk OI, et al. **Vrach Delo** 1983 Jul;(7):75-7 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Do oral contraceptives reduce the incidence of rheumatoid arthritis? A pilot study using the Stockholm County medical information system. Allebeck P, et al. **Scand J Rheumatol** 1984;13(2):140-6

[Prevention of aging and sports medicine. The Zurich senior sports study] Biener K, et al. **MMW** 1983 Aug 26; 125(34):727-8 **(Ger)**

PSYCHOLOGY

The dimensions of health outcomes: a cross-validated examination of health status measurement. Brown JH, et al. **Am J Public Health** 1984 Feb;74(2):159-61

Sexual problems in rheumatoid arthritis and ankylosing spondylitis. Elst P, et al. **Arthritis Rheum** 1984 Feb; 27(2):217-20

The psychosocial impact of systemic lupus erythematosus and rheumatoid arthritis. Liang MH, et al. **Arthritis Rheum** 1984 Jan;27(1):13-9

Sthenia, ambition and educational level in patients suffering from ankylosing spondylitis: a controlled study of personality features as compared to rheumatoid arthritis and unspecified low back pain. Zant JL, et al. **Clin Rheumatol** 1982 Dec;1(4):243-50

Managing the older arthritic: can the family help? Blechman W. **Geriatrics** 1984 Sep;39(9):131-2

Coping with chronic illness: a study of illness controllability and the influence of coping strategies on psychological adjustment. Felton BJ, et al. **J Consult Clin Psychol** 1984 Jun;52(3):343-53

A review of the psychological aspects of rheumatic diseases. Baum J. **Semin Arthritis Rheum** 1982 Feb;11(3):352-61 (50 ref.)

[Personality factors in patients with diseases of the locomotor system] Švarcová J, et al. **Fysiatr Reumatol Vestn** 1984 Apr; 62(2):71-9 (Eng. Abstr.) **(Cze)**

[The psychology of chronic rheumatism patients based on the Rorschach test] Boucharlat J, et al. **Ann Med Psychol (Paris)** 1983 Apr;141(4):405-13 (Eng. Abstr.) **(Fre)**

[A psychodynamic study of rheumatoid polyarthritis] DeVriendt X, et al. **Union Med Can** 1984 Jan;113(1):45-9 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Vertical dislocation of the C1 and C2 vertebrae in rheumatoid arthritis. Redlund-Johnell I, et al. **Acta Radiol [Diagn] (Stockh)** 1984;25(2):133-41

Radiographic measurements of the cranio-vertebral region. Designed for evaluation of abnormalities in rheumatoid arthritis. Redlund-Johnell I, et al. **Acta Radiol [Diagn] (Stockh)** 1984;25(1):23-8

Methods of assessing radiographic change in rheumatoid arthritis. Genant HK. **Am J Med** 1983 Dec 30;75(6A):35-47

Microfocal radiographic examination of erosions in the wrist and hand of patients with rheumatoid arthritis. Buckland-Wright JC. **Ann Rheum Dis** 1984 Apr; 43(2):160-71

The hand radiograph as a diagnostic discriminant between seropositive and seronegative 'rheumatoid arthritis': a controlled study. Burns TM, et al. **Ann Rheum Dis** 1983 Dec;42(6):605-12

Radiological manifestations of Reiter's syndrome. Martel W. **Ann Rheum Dis** 1979;38 Suppl 1:suppl 12-23

Relationship between finger and wrist deformities in rheumatoid arthritis. Read GO, et al. **Ann Rheum Dis** 1983 Dec;42(6):619-25

Prospective study of the radiological changes in hands, feet, and cervical spine in adult rheumatoid disease. Winfield J, et al. **Ann Rheum Dis** 1983 Dec;42(6):613-8

Computed tomography and conventional radiographs of the craniocervical region in rheumatoid arthritis. A comparison. Braunstein EM, et al. **Arthritis Rheum** 1984 Jan;27(1):26-31

Low incidence of calcium pyrophosphate dihydrate crystal deposition in rheumatoid arthritis, with modification of radiographic features in coexistent disease. Doherty M, et al. **Arthritis Rheum** 1984 Sep;27(9):1002-9

Protrusio acetabuli: radiographic appearance in arthritis and other conditions. Edelstein G, et al. **Arthritis Rheum** 1983 Dec;26(12):1511-6

The value of conventional views and radiographic magnification in evaluating early rheumatoid arthritis. Hartley RM, et al. **Arthritis Rheum** 1984 Jul;27(7):744–51

Heberden's nodes in osteoarthritis and rheumatoid arthritis. Campion G, et al. **Br Med J [Clin Res]** 1983 Nov 19; 287(6404):1512

Rheumatoid arthritis of the crico–arytenoid and crico–thyroid joints: a radiological and clinical study. Jurik AG, et al. **Clin Radiol** 1984 May;35(3):233–6

Radiographic evaluation of the course of articular disease. Sharp JT. **Clin Rheum Dis** 1983 Dec;9(3):541–57

The effects of auranofin and parenteral gold in the treatment of rheumatoid arthritis: an X-ray analysis. Larsen A, et al. **Clin Rheumatol** 1984 Mar;3 Suppl 1:97–104

Relationship between clinical synovitis and radiological destruction, in rheumatoid arthritis. Luukkainen R, et al. **Clin Rheumatol** 1983 Sep;2(3):223–6

A radiologic method of assessment of bone and joint destruction in rheumatoid arthritis. Bluhm GB, et al. **Henry Ford Hosp Med J** 1983;31(3):152–61

Microangiographic studies of experimental erosive synovitis in rats. Clark RL, et al. **Invest Radiol** 1983 May–Jun; 18(3):257–63

Comparison of two detail screen–film systems using a rheumatoid erosion model. De Smet AA, et al. **Invest Radiol** 1983 Jul–Aug;18(4):359–63

A radiographic model for simulating rheumatoid erosions. De Smet AA, et al. **Invest Radiol** 1983 Jul–Aug;18(4):352–8

Cervical spine involvement in rheumatoid arthritis. Clark CR. **Iowa Med** 1984 Feb;74(2):57–62

Computed tomography of the hindfoot. Seltzer SE, et al. **J Comput Assist Tomogr** 1984 Jun;8(3):488–97

CT appearances of rheumatoid lung disease. Steinberg DL, et al. **J Comput Assist Tomogr** 1984 Oct;8(5):881–4

Psoriasis and arthritis. III. A cross–sectional comparative study of patients with 'psoriatic arthritis' and seronegative and seropositive polyarthritis: radiological and HLA aspects. van Romunde LK, et al. **Rheumatol Int** 1984; 4(2):67–73

A rare condition of rheumatoid arthritis. Moilanen A, et al. **ROFO** 1983 Dec;139(6):706–7

A comparative study of radiographic changes in knee joints in chondrocalcinosis, osteoarthrosis and rheumatoid arthritis. Hansen SE, et al. **Scand J Rheumatol** 1984; 13(1):85–92

Clinical synovitis and radiological lesions in rheumatoid arthritis. A prospective study of 25 patients during treatment with remission–inducing drugs. Ingeman–Nielsen M, et al. **Scand J Rheumatol** 1983;12(3):237–40

Factors related to the progression of joint destruction in rheumatoid arthritis. Sjöblom KG, et al. **Scand J Rheumatol** 1984;13(1):21–7

Radiological assessment. Petterson H. **Scand J Rheumatol [Suppl]** 1983;51:62–7 (6 ref.)

[Synovectomy of the wrist joint in rheumatoid arthritis. Significance of preoperative radiological destruction and serological findings] Jensen CM. **Ugeskr Laeger** 1984 Apr 2;146(14):1025–7 (Eng. Abstr.) **(Dan)**

[Asymptomatic crico–arytenoid arthritis] Jurik AG. **Ugeskr Laeger** 1984 Mar 26;146(13):975–6 **(Dan)**

[Distribution pattern of rheumatoid arthritis. A xeroradiographic analysis] Schönthal H. **Med Welt** 1983 Nov 11;34(45):1264–7 **(Ger)**

[Standardization of roentgenologic studies in chronic polyarthritis for therapeutic studies] Manz G. **Z Rheumatol** 1983 Nov–Dec;42(6):392–3 (Eng. Abstr.) **(Ger)**

[Radiographic and clinico–serologic correlations in rheumatoid arthritis] Baldelli S, et al. **Minerva Med** 1984 Feb 18;75(6):269–71 **(Ita)**

[Radiographic presentation of rheumatoid arthritis] Matsumoto J, et al. **Ryumachi** 1983 Aug;23(4):228–36 **(Jpn)**

[Lymphography of the knee joint as a new diagnostic method] Noczyński L. **Pol Tyg Lek** 1983 Apr 4; 38(14):429–34 (Eng. Abstr.) **(Pol)**

[Dynamics of the x-ray changes in the osteoarticular apparatus of rheumatoid arthritis patients after early surgical treatment] Pavlov VP, et al. **Revmatologiia (Moskva)** 1983 Jul–Sep;(3):39–41 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Quantitative sacroiliac scintigraphy. The effect of method of selection of region of interest. Davis MC, et al. **Clin Nucl Med** 1984 Jun;9(6):334–40

Sequential joint scintigraphy in rheumatoid arthritis. Oh BK, et al. **Clin Rheumatol** 1983 Mar;2(1):45–51

RADIOTHERAPY

Listeria monocytogenes septic arthritis following intra–articular yttrium–90 therapy. Wilson AP, et al. **Ann Rheum Dis** 1984 Jun;43(3):518–9

Total lymphoid irradiation therapy in refractory rheumatoid arthritis. Fifteen– to forty–month followup. Brahn E, et al. **Arthritis Rheum** 1984 May;27(5):481–8

Intra–articular radiation synovectomy. Sledge CB, et al. **Clin Orthop** 1984 Jan–Feb;(182):37–40

A controlled study of the effect of radiation synovectomy of the knee joint in rheumatoid arthritis. Stojanović I, et al. **Reumatologia** 1982;20(3–4):183–7

[Results of radiosynoviorthesis with yttrium 90 in chronic synovitis: a long–term prospective study. I. Total results and effect of local factors] Rau R, et al. **Z Rheumatol** 1983 Sep–Oct;42(5):265–70 (Eng. Abstr.) **(Ger)**

[Results of radiosynoviorthesis with yttrium 90 in chronic synovitis: a long–term prospective study. II. Effect of general disease parameters] Schütte H, et al. **Z Rheumatol** 1983 Sep–Oct;42(5):271–9 (Eng. Abstr.) **(Ger)**

[Laser therapy of rheumatoid arthritis (clinico–morphological study)] Tsurko VV, et al. **Ter Arkh** 1983;55(7):97–102 (Eng. Abstr.) **(Rus)**

[Use of a helium–neon laser in the treatment of patients with rheumatoid arthritis] Bondarenko IP, et al. **Vrach Delo** 1983 Jun;(6):30–3 (Eng. Abstr.) **(Rus)**

REHABILITATION

Comfort shoes—a cheaper alternative to surgical shoes in rheumatoid arthritis. Pullar T, et al. **Health Bull (Edinb)** 1983 Sep;41(5):258–62

Modified walker for patients with polyarticular rheumatoid arthritis. Suggestion from the field. Fillyaw M. **Phys Ther** 1984 Feb;64(2):205

Ankle and subtalar motion during gait in arthritic patients. Locke M, et al. **Phys Ther** 1984 Apr;64(4):504–9

Battle Hospital after care clinic. Ellis M. **Physiotherapy** 1983 Sep 10;69(9):311–2

[Functional disability and hand deformity in rheumatoid arthritis] Morisawa S. **Ryumachi** 1984 Feb;24(1):18–24 (Eng. Abstr.) **(Jpn)**

[Preventive measures against invalidism in rheumatoid arthritis] Shabel'nik VI, et al. **Revmatologiia (Moskva)** 1983 Oct–Dec;(4):12–5 (Eng. Abstr.) **(Rus)**

[Efficacy and organizational aspects of rehabilitation of patients with rheumatic joint diseases] Guobis G. **Ter Arkh** 1983;55(7):125–31 (Eng. Abstr.) **(Rus)**

[III. Rehabilitation in degenerative articular disease] Juan–López M. **Gac Med Mex** 1983 Oct;119(10):390–3 **(Spa)**

SURGERY

Seventy–four Attenborough knee replacements for rheumatoid arthritis. A clinical and radiographic study. Boegård T, et al. **Acta Orthop Scand** 1984 Apr;55(2):166–71

Synovectomy with resection of the distal ulna in rheumatoid arthritis of the wrist. Jensen CM. **Acta Orthop Scand** 1983 Oct;54(5):754–9

Synovectomy of the elbow in rheumatoid arthritis. Linclau LA, et al. **Acta Orthop Scand** 1983 Dec;54(6):935–7

Total ankle replacement in rheumatoid arthritis: a preliminary review of 28 arthroplasties in 24 patients. Kaukonen JP, et al. **Ann Chir Gynaecol** 1983;72(4):196–9

Wrist deformity in rheumatoid arthritis extensor carpi ulnaris tendon transfer. Brown FE. **Ann Plast Surg** 1984 Aug; 13(2):121–5

Posterior approach for total hip arthroplasty. A study of postoperative course, early results and early complications in 131 cases. Pätiälä H, et al. **Arch Orthop Trauma Surg** 1984;102(4):225–9

Synovectomy of the wrist in rheumatoid arthritis and related diseases. A follow–up study of 97 consecutive cases. Vahvanen V, et al. **Arch Orthop Trauma Surg** 1984; 102(4):230–7

Bilateral joint replacement of hip and knee joints in patients with rheumatoid arthritis. Yoshino S, et al. **Arch Orthop Trauma Surg** 1984;103(1):1–4

General surgical principles in rheumatoid arthritis: priorities. Gschwend N. **Can J Surg** 1983 Sep;26(5):410–4

Total condylar knee arthroplasty. A five–year follow–up study of 33 knees. Aglietti P, et al. **Clin Orthop** 1984 Jun; (186):104–11

Proximal interphalangeal joint arthroplasty. Dryer RF, et al. **Clin Orthop** 1984 May;(185):187–94

Total elbow arthroplasty. Ewald FC, et al. **Clin Orthop** 1984 Jan–Feb;(182):137–42

Evaluation of outcomes in total joint arthroplasty for rheumatoid arthritis. Liang MH, et al. **Clin Orthop** 1984 Jan–Feb;(182):41–5

The rheumatoid hand. Reflections on metacarpophalangeal arthroplasty. Nalebuff EA. **Clin Orthop** 1984 Jan–Feb; (182):150–9

Six– to 11–year results of total hip arthroplasty in rheumatoid arthritis. Poss R, et al. **Clin Orthop** 1984 Jan–Feb; (182):109–16

Total knee arthroplasty in rheumatoid arthritis. Sledge CB, et al. **Clin Orthop** 1984 Jan–Feb;(182):127–36

Utilization of the extensor retinaculum in the radiocarpal joint of rheumatoid wrists. Torisu T, et al. **Clin Orthop** 1983 Dec;(181):179–85

Total joint prosthetic arthroplasty of the great toe—a 12–year experience. Kampner SL. **Foot Ankle** 1984 Mar–Apr; 4(5):249–61

Metacarpophalangeal joint implant arthroplasty with a Silastic spacer. Blair WF, et al. **J Bone Joint Surg [Am]** 1984 Mar;66(3):365–70

Total ankle replacement in rheumatoid arthritis. Lachiewicz PF, et al. **J Bone Joint Surg [Am]** 1984 Mar;66(3):340–3

Long–term effects of excision of the radial head in rheumatoid arthritis. Rymaszewski LA, et al. **J Bone Joint Surg [Br]** 1984 Jan;66(1):109–13

A review of the Liverpool elbow prosthesis from 1974 to 1982. Soni RK, et al. **J Bone Joint Surg [Br]** 1984 Mar; 66(2):248–53

Implant arthroplasty in the rheumatoid hand and wrist: current state of the art in the United States. Beckenbaugh RD. **J Hand Surg** 1983 Sep;8(5 Pt 2):675–8

Rheumatoid hand surgery—update. Nalebuff EA. **J Hand Surg** 1983 Sep;8(5 Pt 2):678–82

Dorsal wrist synovectomy in rheumatoid arthritis—a long–term study. Thirupathi RG, et al. **J Hand Surg** 1983 Nov;8(6):848–56

Arthrodesis of the wrist by internal fixation in rheumatoid arthritis: a follow–up study of forty–five consecutive cases. Vahvanen V, et al. **J Hand Surg [Am]** 1984 Jul;9(4):531–6

Wrist joint arthroplasty in rheumatoid arthritis: a comparison between the Meuli and Swanson prostheses. Summers B, et al. **J Hand Surg [Br]** 1984 Jun;9(2):171–6

Present approach to the severely involved rheumatoid wrist. Nalebuff EA, et al. **Orthop Clin North Am** 1984 Apr; 15(2):369–80

A synovectomy trial and the history of early knee synovitis in rheumatoid arthritis. A multicentre study. Meijers KA, et al. **Rheumatol Int** 1983;3(4):161–6

Median nerve compression complicating arthrodesis of the rheumatoid wrist. Ekerot L, et al. **Scand J Plast Reconstr Surg** 1983;17(3):257–62

Benefits of multiple joint replacement in rheumatoid arthritis. Marks JS. **Scand J Rehabil Med** 1984;16(1):43–6

Nerve palsy after knee arthroplasty in patients with rheumatoid arthritis. Knutson K, et al. **Scand J Rheumatol** 1983;12(3):201–5

Acrylic reconstruction of an arthritic cervical spine using the transcervical–transcleval approach. Lesoin F, et al. **Surg Neurol** 1984 Oct;22(4):329–34

[Arthroplasty of the elbow in patients with progressive polyarthritis] Rybka V, et al. **Acta Chir Orthop Traumatol Cech** 1984 Apr;51(2):92–102 (Eng. Abstr.) **(Cze)**

[Plastic surgery of the forefoot in rheumatoid arthritis] Darre E, et al. **Ugeskr Laeger** 1983 Dec 12;145(50):3906–8 (Eng. Abstr.) **(Dan)**

[Resection of the radial head in rheumatoid arthritis] Schrøder HA. **Ugeskr Laeger** 1984 Feb 13;146(7):509–11 (Eng. Abstr.) **(Dan)**

[Early results in the use of a total condylar knee prosthesis] van Leeuwen WM, et al. **Ned Tijdschr Geneeskd** 1983 Nov 5;127(45):2041–4 (Eng. Abstr.) **(Dut)**

[The ICLH knee prosthesis in rheumatoid polyarthritis. Results and complications] Levai JP, et al. **Rev Chir Orthop** 1984;70 Suppl 2:143–8 **(Fre)**

[Arthrosis of the knee joint—corrective osteotomy or arthroplasty] Steiger JU, et al. **Ther Umsch** 1984 Jan; 41(1):52–9 (Eng. Abstr.) **(Ger)**

[Results with Guepar knee endoprostheses] Wentzel K, et al. **Zentralbl Chir** 1983;108(19):1198–203 (Eng. Abstr.) **(Ger)**

[Indications and priorities in the planning of surgical therapy in rheumatoid arthritis] Gschwend N. **Reumatismo** 1983; 35(1):11–8 **(Ita)**

[Evaluation and problems of multi–joint surgery in rheumatoid arthritis] **Ryumachi** 1983 Dec;23(6):400–14 **(Jpn)**

[Elbow joint involvement in chronic rheumatoid arthritis] Hudo H. **Ryumachi** 1983 Jun;23(3):178–89 **(Jpn)**

[Arthrodesis of the wrist joint in patients with rheumatoid arthritis] Jakubowski S, et al. **Chir Narzadow Ruchu Ortop Pol** 1983;48(3):279–83 (Eng. Abstr.) **(Pol)**

[Endoprosthesis in rheumatoid arthritis] Raunio P. **Chir Narzadow Ruchu Ortop Pol** 1983;48(1):65–8 (Eng. Abstr.) **(Pol)**

[Thermographic studies in rheumatoid polyarthritis before and after surgical treatment] Malova MN, et al. **Ortop Travmatol Protez** 1983 Sep;(9):28–31 **(Rus)**

[Indications for synovectomy of the knee joint in rheumatoid arthritis] Tanchev P. **Ortop Travmatol Protez** 1984 Feb; (2):30–3 (Eng. Abstr.) **(Rus)**

[Surgical treatment of arthritis of the elbow joint in rheumatoid arthritis patients] Asin BA, et al. **Revmatologiia (Moskva)** 1984 Jan–Mar;(1):7–10 (Eng. Abstr.) **(Rus)**

[Clinico–instrumental evaluation of the laser therapy of rheumatoid arthritis] Mach ES, et al. **Revmatologiia (Moskva)** 1983 Jul–Sep;(3):36–9 (Eng. Abstr.) **(Rus)**

[Surgical treatment as a stage in the combined therapy of rheumatoid arthritis] Maliutin AA, et al. **Revmatologiia (Moskva)** 1983 Jul–Sep;(3):24–5 (Eng. Abstr.) **(Rus)**

[Role of orthopedic surgical treatment in the combined therapy of rheumatoid arthritis patients with the predominant lesion in the knee joints] Sokolov LN, et al. **Revmatologiia (Moskva)** 1984 Jan–Mar;(1):3–6 (Eng. Abstr.) **(Rus)**

[II. Current situation of surgery in degenerative articular disease] Reyes–Cunningham A. **Gac Med Mex** 1983 Oct; 119(10):384–90 **(Spa)**

THERAPY

Bullous and pustular rheumatoid vasculitis: treatment by plasma exchange. Ortonne JP, et al. **Acta Derm Venereol (Stockh)** 1983;63(6):543–6

Acupuncture and rehabilitation (III) effects of acupuncture

applied to the normal side on osteoarthritis deformans and rheumatoid arthritis of the knee and on disorders in motility of the knee joint after cerebral hemorrhage and thrombosis. Arichi S, et al. **Am J Chin Med** 1983;11(1–4):146–9

Effect of lymphoplasmapheresis on clinical indices and T cell subsets in rheumatoid arthritis. A double-blind controlled study. Verdickt W, et al. **Arthritis Rheum** 1983 Dec;26(12):1419–26

Macromolecular solute kinetics in on-line membrane plasma treatment systems. Malchesky PS, et al. **Cleve Clin Q** 1984 Spring;51(1):127–33

Lymphapheresis as compared with rest period in treatment of severe rheumatoid arthritis. Boerbooms AM, et al. **Clin Rheumatol** 1984 Mar;3(1):21–7

Paracetamol plus metoclopramide ('Paramax') as an adjunct analgesic in the treatment of arthritis. Matts SG, et al. **Curr Med Res Opin** 1983;8(8):547–52

Conservative management of degenerative temporomandibular joint disease in the elderly. Poswillo D. **Int Dent J** 1983 Dec;33(4):325–31

The use of unproven remedies for rheumatoid arthritis in Ireland. Cassidy M, et al. **Ir Med J** 1983 Nov;76(11):464–5

Immune therapy of rheumatoid arthritis. Joshi VR, et al. **J Assoc Physicians India** 1983 Nov;31(11):725–8

Medical considerations and management of rheumatoid arthritis. Ferlic DC, et al. **J Hand Surg** 1983 Sep;8(5 Pt 2):662–6

Long-term study of management of rheumatoid arthritis. Million R, et al. **Lancet** 1984 Apr 14;1(8381):812–6

Lymphapheresis and radiation therapy for rheumatoid arthritis (RA). Bunch TW. **Mina Med** 1984 Jul;67(7):385–6

Plasmapheresis for rheumatoid arthritis [letter] **N Engl J Med** 1983 Oct 20;309(16):986–7

The North Carolina Arthritis Program. McCain J. **NC Med J** 1983 Nov;44(11):728–9

Plasma exchange in severe rheumatoid arthritis complicated by extra-articular manifestations. Raymakers RA, et al. **Neth J Med** 1984;27(3):65–8

Efficacy of EMG biofeedback, pseudotherapy, and conventional medical treatment for chronic rheumatic back pain. Flor H, et al. **Pain** 1983 Sep;17(1):21–31

A comparison of two methods of managing patients suffering from rheumatoid arthritis. Langridge JC, et al. **Physiotherapy** 1984 Mar;70(3):109–13

The use of 'alternative treatments' by patients with rheumatoid arthritis. Struthers GR, et al. **Rheumatol Int** 1983;3(4):151–2

Selective removal of immune complexes by cryofiltration in rheumatoid arthritis. Abe Y, et al. **Trans Am Soc Artif Intern Organs** 1983;29:730–4

Cryogel studies for the optimization of cryofiltration (CF) therapy. Katsume C, et al. **Trans Am Soc Artif Intern Organs** 1983;29:463–7

[Sense or nonsense of elastic knee braces. A study in patients with rheumatoid arthritis or arthrosis] de Vries J, et al. **Ned Tijdschr Geneeskd** 1984 Jan 21;128(3):103–6 (Eng. Abstr.) **(Dut)**

[In what order and when should the various treatments for rheumatoid polyarthritis be used?] Lequesne M, et al. **Sem Hop Paris** 1983 Oct 20;59(37–38):2595–8 **(Fre)**

[Therapy of chronic polyarthritis] Felder M, et al. **Dtsch Med Wochenschr** 1984 Jan 20;109(3):108–10 **(Ger)**

[Objective evaluation of the therapeutic effect of saline baths in patients with rheumatoid arthritis treated at the Goczalkowice Zdrój health resort] Jonderko G, et al. **Reumatologia** 1982;20(3–4):201–7 (Eng. Abstr.) **(Pol)**

[Experience with the use of hemosorbtion in the complex treatment of rheumatoid arthritis] Ananchenko VG, et al. **Revmatologiia (Moskva)** 1984 Apr–Jun;(2):32–6 **(Rus)**

[Hemosorption in the complex treatment of rheumatoid arthritis] Dedenko IK, et al. **Revmatologiia (Moskva)** 1983 Oct–Dec;(4):10–2 (Eng. Abstr.) **(Rus)**

[Controlled (double-blind) trial of isolated irradiation of the blood in rheumatoid arthritis] Ivanova RL, et al. **Revmatologiia (Moskva)** 1984 Apr–Jun;(2):36–8 (Eng. Abstr.) **(Rus)**

[Effect of intra-articular oxygen therapy on the morphology of the surgical wound after synovectomy in rheumatoid arthritis] Kop'eva TN, et al. **Revmatologiia (Moskva)** 1984 Jan–Mar;(1):10–4 (Eng. Abstr.) **(Rus)**

[Quantitative evaluation of the effectiveness of health resort therapy in rheumatoid arthritis] Trink RF. **Revmatologiia (Moskva)** 1983 Jul–Sep;(3):44–6 (Eng. Abstr.) **(Rus)**

[Effect on rheumatoid arthritis patients in the older age groups of the combined action of sodium chloride baths, medical gymnastics, massage and antirheumatic drugs] Markarov GS. **Ter Arkh** 1984;56(2):132–4 (Eng. Abstr.) **(Rus)**

[Laser therapy and laser puncture in rheumatoid arthritis, osteoarthrosis deformans and psoriatic arthropathy] Matulis AA, et al. **Ter Arkh** 1983;55(7):92–7 (Eng. Abstr.) **(Rus)**

[Hemosorption in the treatment of rheumatoid arthritis] Piaĭ LT, et al. **Ter Arkh** 1983;55(9):99–101 (Eng. Abstr.) **(Rus)**

[Modified method of peloid therapy with rheumatoid arthritis patients] Skridonenko AD, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 May–Jun;(3):28–32 (Eng. Abstr.) **(Rus)**

[Effect of combined chrisanol and balneological treatment on the clinical indicators and permeability of the synovian membrane in patients with rheumatoid arthritis] Taletene IP, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Mar–Apr;(2):28–31 (Eng. Abstr.) **(Rus)**

[Evaluation of the effectiveness of health resort therapy of rheumatoid arthritis patients] Trink RF. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Jan–Feb;(1):40–2 (Eng. Abstr.) **(Rus)**

VETERINARY

[Rheumatoid arthritis in the dog] Trautwein G. **DTW** 1983 Aug 8;90(8):327–9 (30 ref.) (Eng. Abstr.) **(Ger)**

ARTHROBACTER

ANALYSIS

Isolation and partial characterization of plasmid DNA from Arthrobacter oxidans. Brandsch R, et al. **Arch Microbiol** 1984 May;138(1):15–7

The sulfated polysaccharide-peptidoglycan complex from an Arthrobacter species: characterization of the linkage between the two components. Inoue K, et al. **J Biochem (Tokyo)** 1983 Jul;94(1):189–97

[Detection of teichoic acids in cells of bacteria of the genus Arthrobacter] Sadikov BM, et al. **Dokl Akad Nauk SSSR** 1983;271(2):459–61 **(Rus)**

ENZYMOLOGY

The inactivation of glucosamine synthetase from bacteria by anticapsin, the C-terminal epoxyamino acid of the antibiotic tetaine. Chmara H, et al. **Biochim Biophys Acta** 1984 May 31;787(1):45–52

Action of levan fructotransferase of Arthrobacter ureafaciens on levanoligosaccharides. Tanaka K, et al. **J Biochem (Tokyo)** 1983 Nov;94(5):1569–78

[Immobilization of cells with steroid-1,2-dehydrogenase activity on different carriers] Avramova T, et al. **Acta Microbiol Bulg** 1984;14:50–5 (Eng. Abstr.) **(Bul)**

[Sialidase from arthrobacter ureafaciens] Uchida Y. **Tanpakushitsu Kakusan Koso** 1984 Mar;29(3):235–8 **(Jpn)**

METABOLISM

Effect of pH on production of cytokinin-like substances by bacteria isolated from soil, rhizosphere and mycorrhizosphere of pine (Pinus silvestris L.). Kampert M, et al. **Acta Microbiol Pol** 1984;33(1):77–85

Factors limiting the microbial conversion of sterols to 17-ketosteroids in the presence of metal chelate inhibitors. Goswami PC, et al. **Folia Microbiol (Praha)** 1984; 29(3):209–16

Effect of growing conditions on protein content and amino acid composition of Arthrobacter simplex. Ghosh BB, et al. **Hindustan Antibiot Bull** 1983 Feb–May;25(1–2):29–32

[Coupling between 3-ketosteroid-delta'-dehydrogenase and the respiratory chain in the bacterium Arthrobacter globiformis] Medentsev AG, et al. **Biokhimiia** 1983 Oct; 48(10):1726–32 (Eng. Abstr.) **(Rus)**

ARTHRODERMA see under **ASCOMYCETES**

ARTHRODESIS

Partial arthrodesis of the wrist. An investigation in cadavers. Rozing PM, et al. **Acta Orthop Scand** 1984 Feb;55(1):66–8

Hip arthrodesis [letter] Fulkerson JP. **Clin Orthop** 1984 Jan–Feb;(182):309–10

Cavus foot in cerebral palsy. Eilert RE. **Foot Ankle** 1984 Jan–Feb;4(4):185–7

Arthrodesis of the first metatarsophalangeal joint for hallux valgus in rheumatoid arthritis. Mann RA, et al. **J Bone Joint Surg [Am]** 1984 Jun;66(5):687–92

Fatal toxic shock syndrome as a complication of orthopaedic surgery. A case report. Rovner RA, et al. **J Bone Joint Surg [Am]** 1984 Jul;66(6):952–4

Hip arthrodesis in young patients. A long-term follow-up study. Sponseller PD, et al. **J Bone Joint Surg [Am]** 1984 Jul;66(6):853–9

Delayed open reduction of Lisfranc's joint dislocation. Cooper WE, et al. **J Foot Surg** 1983 Spring;22(1):45–9

Revisional left ankle arthrodesis for pseudoarthrosis. Wright JC, et al. **J Foot Surg** 1983 Spring;22(1):57–9

Update: palmar dislocation of the trapezoid—a case report. Goodman ML, et al. **J Hand Surg [Am]** 1984 Jan; 9A(1):127–31

Small joint fusions of the hand using the Herbert Bone Screw. Faithfull DK, et al. **J Hand Surg [Br]** 1984 Jun;9(2):167–8

[Functional adaptation of the wrist after arthrodesis] Kundrát J, et al. **Acta Chir Orthop Traumatol Cech** 1984 Apr; 51(2):103–9 (Eng. Abstr.) **(Cze)**

[Radio-scaphoid arthrodesis. Experimental analysis. Review of 2 cases] Chaise F, et al. **Acta Orthop Belg** 1983 Sep–Oct; 49(5):601–9 (Eng. Abstr.) **(Fre)**

[Indications for arthrodesis of the hip in the adult] Courpied JP, et al. **Int Orthop** 1983;7(3):159–64 (Eng. Abstr.) **(Fre)**

[Results of subtalar arthrodesis for traumatic sequelae of the hindfoot] Mestdagh H, et al. **Rev Chir Orthop** 1984; 70(4):325–34 (Eng. Abstr.) **(Fre)**

[The modified cobra plate in coxo-femoral arthrodesis] Zinghi GF. **Chir Organi Mov** 1982–83;68(1):79–83 (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

Partial immobilization of the ankle and talar joints complex and its effect on the ground—foot force characteristics. Seliktar R, et al. **Eng Med** 1984 Jan;13(1):5–10

Median nerve compression complicating arthrodesis of the rheumatoid wrist. Ekerot L, et al. **Scand J Plast Reconstr Surg** 1983;17(3):257–62

INSTRUMENTATION

Stability of external fixators used for knee arthrodesis after failed knee arthroplasty. Knutson K, et al. **Clin Orthop** 1984 Jun;(186):90–5

METHODS

External compression arthrodesis of the shoulder joint. Schrøder HA, et al. **Acta Orthop Scand** 1983 Aug; 54(4):592–5

Arthrodesis of the arthritic wrist. Clayton ML, et al. **Clin Orthop** 1984 Jul–Aug;(187):89–93

Arthrodesis for failed arthroplasty of the hip. Kostuik J, et al. **Clin Orthop** 1984 Sep;(188):173–82

External fixation for arthrodesis of the knee and ankle. Rothacker GW Jr, et al. **Clin Orthop** 1983 Nov;(180):101–8

'Beak' triple arthrodesis for severe cavus deformity. Siffert RS, et al. **Clin Orthop** 1983 Dec;(181):64–7

Subtotal arthrodeses of the wrist joint. Taleisnik J. **Clin Orthop** 1984 Jul–Aug;(187):81–8

Arthrodesis of the knee with intramedullary fixation. Vander Griend R. **Clin Orthop** 1983 Dec;(181):146–50

Lateral talocalcaneal angle in assessment of subtalar valgus: follow-up of seventy Grice-Green arthrodeses. Aronson J, et al. **Foot Ankle** 1983 Sep–Oct;4(2):56–63

Arthrodesis of the wrist with mini-fixators in infantile cerebral palsy. Patella V, et al. **Ital J Orthop Traumatol** 1984 Mar;10(1):75–9

Grice-Green extra-articular subtalar arthrodesis in the treatment of infantile valgus pronated flat foot. Vigliani F, et al. **Ital J Orthop Traumatol** 1983 Dec;9(4):411–25

A technique for difficult arthrodesis of the knee. Fahmy NR, et al. **J Bone Joint Surg [Br]** 1984 May;66(3):367–70

A new operation for atlanto-axial arthrodesis. Mitsui H. **J Bone Joint Surg [Br]** 1984 May;66(3):422–5

Lambrinudi triple arthrodesis for correction of severe rigid drop-foot. Tang SC, et al. **J Bone Joint Surg [Br]** 1984 Jan;66(1):66–70

Arthrodesis of the knee after failed knee replacement. Wade PJ, et al. **J Bone Joint Surg [Br]** 1984 May;66(3):362–6

AO arthrodesis in the hand. Wright CS, et al. **J Hand Surg** 1983 Nov;8(6):932–5

Multiple stapling for wrist arthrodesis in the nonrheumatoid patient. Benkeddache Y, et al. **J Hand Surg [Am]** 1984 Mar; 9(2):256–60

Fifth metacarpal/hamate arthrodesis for posttraumatic osteoarthritis. Clendenin MB, et al. **J Hand Surg [Am]** 1984 May;9(3):374–8

Capitate-radius arthrodesis: an alternative method of radiocarpal arthrodesis. Louis DS, et al. **J Hand Surg [Am]** 1984 May;9(3):365–9

Arthrodesis of the wrist by internal fixation in rheumatoid arthritis: a follow-up study of forty-five consecutive cases. Vahvanen V, et al. **J Hand Surg [Am]** 1984 Jul;9(4):531–6

The development and application of pulsed electromagnetic fields (PEMFs) for ununited fractures and arthrodeses. Bassett CA. **Orthop Clin North Am** 1984 Jan;15(1):61–87

Present approach to the severely involved rheumatoid wrist. Nalebuff EA, et al. **Orthop Clin North Am** 1984 Apr; 15(2):369–80

Compression arthrodesis of the knee and ankle with the Hoffmann external fixator. Velazco A, et al. **South Med J** 1983 Nov;76(11):1393–6

Atlantoaxial arthrodesis in the presence of posterior spondyloschisis (bifid arch) of the atlas. A report of three cases and an evaluation of alternative wiring techniques by computerized tomography. Lipson SJ, et al. **Spine** 1984 Jan–Feb;9(1):65–9

[Centripetal compression triple arthrodesis for treatment of foot deformity] Gao ZD. **Chung Hua Wai Ko Tsa Chih** 1983 Dec;21(12):748–9 (Eng. Abstr.) **(Chi)**

[Double arthrodesis in the treatment of congenital talipes equinovarus] Chaix O, et al. **Rev Chir Orthop** 1983;69 Suppl 2:141–8 **(Fre)**

[Indications, technic and results of knee joint arthrodesis] Schwarz B, et al. **Aktuel Traumatol** 1984 Aug;14(4):172–80 (Eng. Abstr.) **(Ger)**

[Arthrodesis of the shoulder joint] Schmit-Neuerburg KP. **Hefte Unfallheilkd** 1984;170:111–21 **(Ger)**

[Pes cavus. Treatment with medio-tarsal or double arthrodesis and remote results] Falcone G, et al. **Arch Putti Chir Organi Mov** 1983;33:191–200 (Eng. Abstr.) **(Ita)**

VETERINARY

Long-term results and complications of proximal interphalangeal arthrodesis in horses. Martin GS, et al. **J Am Vet Med Assoc** 1984 May 1;184(9):1136–40

ARTHROGRYPOSIS

[Anesthesia for a patient with congenital arthrogryposis] Yodono M, et al. **Masui** 1983 Jul;32(7):871–5 (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

[Treatment of arthrogrypotic deformities of the limbs] Saftiiarov MSh, et al. **Ortop Travmatol Protez** 1984 Apr; (4):51–2 **(Rus)**

DIAGNOSIS

A case of asymmetrical arthrogryposis—a clinical study and a preliminary report on the value of CT-scanning. Hageman G, et al. **Brain Dev** 1983;5(4):407–13

ETIOLOGY

Diagnostic considerations in arthrogryposis syndromes in South Africa. Gericke GS, et al. **Clin Genet** 1984 Feb; 25(2):155–62

Arthrogryposis following maternal hypotension. Farrell K, et al. **Dev Med Child Neurol** 1983 Oct;25(5):648–50 (22 ref.)

FAMILIAL & GENETIC

Orthopaedic aspects of the trismus pseudocamptodactyly syndrome. O'Brien PJ, et al. **J Pediatr Orthop** 1984 Aug; 4(4):469–71

THERAPY

[Arthrogryposis congenita multiplex] Slačálková J, et al. **Acta Chir Orthop Traumatol Cech** 1984 Feb;51(1):5–11 (Eng. Abstr.) **(Cze)**

VETERINARY

Ultrastructural abnormalities of muscle and neuromuscular junction differentiation in a bovine congenital neuromuscular disease. Russell RG, et al. **Acta Neuropathol (Berl)** 1983;62(1–2):112–20

An impending epidemic of bovine congenital deformities. Kirkland PD, et al. **Aust Vet J** 1983 Jul;60(7):221–3

Neuromuscular arthrogryposis multiplex congenita in a thoroughbred foal. Mayhew IG. **Vet Pathol** 1984 Mar; 21(2):187–92

ARTHROMYODYSPLASIA, CONGENITAL see **ARTHROGRYPOSIS**

ARTHROPATHY, NEUROGENIC

DIAGNOSIS

Diabetic neuropathic osteoarthropathy. A case report and discussion. McNamara G, et al. **J Am Podiatry Assoc** 1983 Sep;73(9):485–9

RADIOGRAPHY

Neuropathic arthropathy (Charcot's joint) in dialysis patients. Meneghello A, et al. **ROFO** 1984 Aug;141(2):180–4

Case report 264: diabetic neuropathic disorder (osteoneuropathy), with bilateral Lisfranc fracture-dislocations of feet. Hennessy O. **Skeletal Radiol** 1984;11(2):155–7

SURGERY

Fracture dislocation of a Charcot knee. Connolly JF, et al. **Nebr Med J** 1984 Jul;69(7):222–4

ARTHROPLASTY

A truly endaural approach to the temporo-mandibular joint. Dias AD. **Br J Plast Surg** 1984 Jan;37(1):65–8

Fifth International Annual Symposium of the Research Center for Implant Surgery. The surgical treatment of arthritis. 30–31 March 1983, Haifa. **Isr J Med Sci** 1983 Dec;19(12):1114–20

Transacetabular herniation of small bowel and right adnexa. An unusual complication of hip arthroplasty. Gore RM, et al. **JAMA** 1983 Nov 4;250(17):2349–50

[Evaluation and problems of multi-joint surgery in rheumatoid arthritis] **Ryumachi** 1983 Dec;23(6):400–14 **(Jpn)**

ADVERSE EFFECTS

Malignant fibrous histiocytoma of bone at the site of a total hip arthroplasty. A case report. Bagó-Granell J, et al. **J Bone Joint Surg [Br]** 1984 Jan;66(1):38–40 (25 ref.)

Second metatarsal stress fracture secondary to Keller arthroplasty: case report. Black JR. **Milit Med** 1983 Sep; 148(9):747–9

[Reoperations in hip reluxation in children] Pozdnikin IuI. **Ortop Travmatol Protez** 1984 Apr;(4):5–10 (Eng. Abstr.) **(Rus)**

HISTORY

The classic. On the treatment of anchylosis, by the formation of artificial joint. J. Rhea Barton, M.D. North Am. Med Surg. J., 1827. **Clin Orthop** 1984 Jan–Feb;(182):4–13

METHODS

Anterior cruciate ligament arthroplasty. Kieffer DA, et al. **Am J Sports Med** 1984 Jul–Aug;12(4):301–12

Repair and reconstruction of rotatory instability of the knee. Simonet WT, et al. **Am J Sports Med** 1984 Mar–Apr; 12(2):89–97

Preliminary results with abrasion arthroplasty in the osteoarthritic knee. Friedman MJ, et al. **Clin Orthop** 1984 Jan–Feb;(182):200–5

Limb salvage and rotationplasty for osteosarcoma in children. Jacobs PA. **Clin Orthop** 1984 Sep;(188):217–22

Treatment of primary osteoarthritis of the hip. A comparison of total joint and surface replacement arthroplasty. Amstutz HC, et al. **J Bone Joint Surg [Am]** 1984 Feb;66(2):228–41

Total articular resurfacing arthroplasty. Analysis of component failure in sixty-seven hips. Head WC. **J Bone Joint Surg [Am]** 1984 Jan;66(1):28–34

A modified arthroplasty procedure for rigid hammertoe. Bartee SL, et al. **J Foot Surg** 1983 Spring;22(1):40–4

Surgical treatment of scaphoid pseudarthrosis: evaluation of the results after soft tissue arthroplasty and inlay bone grafting. Boeckstyns ME, et al. **J Hand Surg [Am]** 1984 May;9(3):378–82

[Arthroplasty of the elbow in patients with progressive polyarthritis] Rybka V, et al. **Acta Chir Orthop Traumatol Cech** 1984 Apr;51(2):92–102 (Eng. Abstr.) **(Cze)**

[Follow-up results in the treatment of chronic fibular ligament insufficiency. The Watson-Jones and Evans surgical technics] Träger D. **Aktuel Traumatol** 1983 Dec; 13(6):231–4 (Eng. Abstr.) **(Ger)**

[Surgical treatment of the saddle joint arthrosis] Epping W, et al. **Handchir Mikrochir Plast Chir** 1983 Sep;15(3):168–76 (Eng. Abstr.) **(Ger)**

[Alloplastic partial replacement of the scaphoid bone] Haussmann P. **Handchir Mikrochir Plast Chir** 1983 Sep; 15(3):182–4 (Eng. Abstr.) **(Ger)**

[Treatment of irreparable scaphoid bone pseudarthrosis and necrosis by partial resection of the scaphoid] Schmitt E, et al. **Handchir Mikrochir Plast Chir** 1983 Sep;15(3):185–90 (Eng. Abstr.) **(Ger)**

[Interposition arthroplasties in the area of the proximal carpal row (lunate and scaphoid replacement/partial replacement] Strässle H, et al. **Handchir Mikrochir Plast Chir** 1983 Sep; 15(3):177–81 (Eng. Abstr.) **(Ger)**

[Surgical interventions in idiopathic aseptic femur head necrosis] Kulish NI, et al. **Ortop Travmatol Protez** 1984 May;(5):68–74 (44 ref.) **(Rus)**

ARTHROPLASTY, REPLACEMENT see **JOINT PROSTHESIS**

ARTHROPLASTY, REPLACEMENT, HIP see **HIP PROSTHESIS**

ARTHROPLASTY, REPLACEMENT, KNEE see **KNEE PROSTHESIS**

ARTHROPOD-BORNE VIRUSES see **ARBOVIRUSES**

ARTHROPOD VECTORS

Acquired immunodeficiency syndrome possibly arthropod-borne [letter] Blaser MJ. **Ann Intern Med** 1983 Dec;99(6):877

House design and domestic vectors of disease. Schofield CJ, et al. **Trans R Soc Trop Med Hyg** 1984;78(3):285–92

GROWTH & DEVELOPMENT

[Characteristics of the development and feeding of blood-sucking arthropods ensuring their becoming specific vectors of disease-causing agents] Alekseev AN. **Med Parazitol (Mosk)** 1984 Mar–Apr;(2):34–9 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Does epizootic lymphocytic choriomeningitis prime the pump for epidemic rickettsialpox? Krinsky WL. **Rev Infect Dis** 1983 Nov–Dec;5(6):1118–9

[Birds infected with Ornithodorus ticks, virus vectors] Cerny V. **Rev Cubana Med Trop** 1983 May–Aug;35(2):181–5 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Interaction between blood-sucking arthropods and their hosts, and its influence on vector potential. Balashov YuS. **Annu Rev Entomol** 1984;29:137–56 (120 ref.)

ARTHROPOD VENOMS

Experimentally induced pulmonary emphysema in guinea pigs by venom (cephalothoracic macerate) of spider Latrodectus tredecimguttatus. Dučić V, et al. **Acta Med Iugosl** 1984;38(2):99–109

ADVERSE EFFECTS

Spider sensitivity [letter] Cobcroft MD. **Med J Aust** 1984 Mar 3;140(5):312

ANALYSIS

Isotachophoretic and immunological analysis of venoms from sea snakes (Laticauda semifasciata) and brown recluse spiders (Loxosceles reclusa) of different morphology, locality, sex, and developmental stages. Kent CG, et al. **Comp Biochem Physiol [B]** 1984;77(2):303–11

Isolation, purification & pharmacodynamics of a toxin from the venom of the centipede Scolopendra subspinipes dehaani Brandt. Gomes A, et al. **Indian J Exp Biol** 1983 Apr;21(4):203–7

Proteins, lipids, lipoproteins and some enzyme characterizations of the venom extract from the centipede Scolopendra morsitans. Mohamed AH, et al. **Toxicon** 1983; 21(3):371–7

Enzymatic and hemolytic properties of brown recluse spider (Loxosceles reclusa) toxin and extracts of venom apparatus, cephalothorax and abdomen. Rekow MA, et al. **Toxicon** 1983;21(3):441–4

Use of chick biventer cervicis muscle in the bioassay of alpha-latrotoxin from black widow spider venom. Tzeng MC, et al. **Toxicon** 1983;21(6):879–81

[Cholinesterase isolated from the venom of the Latrodectus tredecimguttatus spider using substrate inhibitor analysis] Chernetskaia II, et al. **Dokl Akad Nauk SSSR** 1984 Jan–Feb; 274(1):225–9 **(Rus)**

ANTAGONISTS & INHIBITORS

beta-Bungarotoxin antagonizes the effect of alpha-latrotoxin from black widow spider venom on the neuromuscular junction. Tzeng MC, et al. **J Neurobiol** 1984 Mar; 15(2):157–60

IMMUNOLOGY

Allergens in hymenoptera venoms. X. Vespid venoms versus venom sac extracts: comparison by two-dimensional polyacrylamide gel electrophoresis. Wood CL, et al. **Ann Allergy** 1983 Oct;51(4):441–5

Tick-paralysis toxoid: an effective immunizing agent against the toxin of Ixodes holocyclus. Stone BF, et al. **Aust J Exp Biol Med Sci** 1984 Apr;62 (Pt 2):189–91

[Desensitisation with hymenoptera venom in children] Menardo JL, et al. **Arch Fr Pediatr** 1983 Aug–Sep; 40(7):543–7 (Eng. Abstr.) **(Fre)**

ISOLATION & PURIFICATION

Diamphotoxin. The arrow poison of the !Kung Bushmen. de la Harpe J, et al. **J Biol Chem** 1983 Oct 10; 258(19):11924–31

METABOLISM

alpha Latrotoxin of black widow spider venom binds to a specific receptor coupled to phosphoinositide breakdown in PC12 cells. Vicentini LM, et al. **Biochem Biophys Res Commun** 1984 Jun 15;121(2):538–44

PHARMACODYNAMICS

Ca2+-dependence of 3H-catecholamines release evoked by black widow spider venom gland extract in rat hypothalamus, occipital cortex and caudate nucleus. Fernández-Pardal J, et al. **Acta Physiol Lat Am** 1983; 33(4):293–8

Block of glutamate receptors by a spider toxin. Kawai N, et al. **Adv Biochem Psychopharmacol** 1983;37:221–7

Blockade of synaptic transmission in the squid giant synapse by a spider toxin (JSTX). Kawai N, et al. **Brain Res** 1983 Nov 14;278(1–2):346–9

Differential blocking effects of a spider toxin on synaptic and glutamate responses in the afferent synapse of the acoustico-lateralis receptors of Plotosus. Nagai T, et al. **Brain Res** 1984 May 21;300(1):183–7

Alpha-latrotoxin and glycerotoxin differ in target specificity and in the mechanism of their neurotransmitter releasing action. Madeddu L, et al. **Neuroscience** 1984 Jul; 12(3):939–49

The effect of alpha-latrotoxin on the neurosecretory PC12 cell line: studies on toxin binding and stimulation of transmitter release. Meldolesi J, et al. **Neuroscience** 1983 Nov;10(3):997–1009

The effect of alpha-latrotoxin on the neurosecretory PC12 cell line: electron microscopy and cytotoxicity studies. Watanabe O, et al. **Neuroscience** 1983 Nov;10(3):1011–24

Free cytoplasmic Ca2+ and neurotransmitter release: studies on PC12 cells and synaptosomes exposed to alpha-latrotoxin. Meldolesi J, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(2):620–4

Spider venoms inhibit L-glutamate binding to brain synaptic membrane receptors. Michaelis EK, et al. **Proc Natl Acad Sci USA** 1984 Sep;81(17):5571–4

Effect of venom gland extracts of the South American brown spider, Loxosceles laeta, on in vitro protein synthesis. Suarez G, et al. **Toxicon** 1983;21(4):553–7

[Properties of the channels induced by Lityphantes paykullianus venom] Usmanov PB, et al. **Biofizika** 1983 Nov–Dec;28(6):1002–5 (Eng. Abstr.) **(Rus)**

[Action of the venom of the spider Latrodectus tredecimguttatus of rat liver mitochondria in vitro] Akhunov AA, et al. **Dokl Akad Nauk SSSR** 1984; 274(4):956–9 **(Rus)**

POISONING

Imported fire ant death. A documented case report. Bloom FL, et al. **J Fla Med Assoc** 1984 Feb;71(2):87–90

Black widow spider bites. Rauber A. **J Toxicol Clin Toxicol** 1983–84;21(4–5):473–85 (23 ref.)

Loxoscelism and necrotic arachnidism. Wasserman GS, et al. **J Toxicol Clin Toxicol** 1983–84;21(4–5):451–72 (42 ref.)

Red-back spider (Latrodectus mactans hasselti)

envenomation in a neonate. Byrne GC, et al. **Med J Aust** 1983 Dec 10-24;2(12):665-6
Fire ant envenomation in children. Ginsburg CM. **Pediatrics** 1984 May;73(5):689-92

SECRETION

Artificial feeding of the Australian paralysis tick, Ixodes holocyclus and collection of paralysing toxin. Stone BF, et al. **Int J Parasitol** 1983 Oct;13(5):447-54

THERAPEUTIC USE

The effects of a partially purified fraction of an ant venom in rheumatoid arthritis. Altman RD, et al. **Arthritis Rheum** 1984 Mar;27(3):277-84

TOXICITY

Toxic reactions induced by hymenoptera venom. Bousquet J, et al. **Ann Allergy** 1984 May;52(5):371-4
A comparative study of properties and toxic constituents of funnel web spider (Atrax) venoms. Sheumack DD, et al. **Comp Biochem Physiol [C]** 1984;78(1):55-68
Effects of Latrodectus spider venoms on sensory and motor nerve terminals of muscle spindles. Queiroz LS, et al. **Proc R Soc Lond [Biol]** 1982 Aug 23;216(1202):103-10
Specific antagonism of the glutamate receptor by an extract from the venom of the spider Araneus ventricosus. Kawai N, et al. **Toxicon** 1983;21(3):438-40
[Channel-forming properties of the presynaptic neurotoxin from the venom of the spider Latrodectus tredecimguttatus] Sadykov AS, et al. **Dokl Akad Nauk SSSR** 1983;272(5):1250-1 **(Rus)**
[Action of the venom of the spider Argiope lobata on glutamatergic and cholinergic synapses] Usmanov PB, et al. **Dokl Akad Nauk SSSR** 1983;273(4):1017-8 **(Rus)**

ARTHROPODS

Allergic and toxic reactions to non-stinging arthropods. Wirtz RA. **Annu Rev Entomol** 1984;29:47-69 (142 ref.)
The natural infection of wild animals in West Malaysia with nymphs of Armillifer moniliformis (Diesing, 1835) Sambon, 1922. Krishnasamy M, et al. **Malays J Pathol** 1981 Aug; 4:29-34
[Identification of immunoglobulin-carrying cells in the infiltrate of the local reactions to arthropod stings] De Panfilis G, et al. **G Ital Dermatol Venereol** 1983 Jan-Feb; 118(1):13-6 (Eng. Abstr.) **(Ita)**
[Prospects for using integrated methods of controlling blood-sucking arthropods in light of the solutions to the most important economic tasks] Alekseev AN. **Med Parazitol (Mosk)** 1984 Jan-Feb;(1):3-5 **(Rus)**

GROWTH & DEVELOPMENT

Some helminth and arthropod parasites of the grey duiker, Sylvicapra grimmia. Boomker J, et al. **Onderstepoort J Vet Res** 1983 Dec;50(4):233-41
Parasites of domestic and wild animals in South Africa. XVI. Helminth and arthropod parasites of blue and black wildebeest (Connochaetes taurinus and Connochaetes gnou). Horak IG, et al. **Onderstepoort J Vet Res** 1983 Dec; 50(4):243-55
[Characteristics of the development and feeding of blood-sucking arthropods ensuring their becoming specific vectors of disease-causing agents] Alekseev AN. **Med Parazitol (Mosk)** 1984 Mar-Apr;(2):34-9 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

The prevalence of helminth and arthropod parasites of warthog, Phacochoerus aethiopicus, in South West Africa/Namibia. Horak IG, et al. **Onderstepoort J Vet Res** 1983 Jun;50(2):145-8

PHYSIOLOGY

Influence of putative neurotransmitters on brain electrical activity in Lithobius forficatus L. (Myriapoda Chilopoda). Descamps M, et al. **Comp Biochem Physiol [C]** 1983; 76(2):237-40
A versatile feedback controller for electro-mechanical stimulation devices. Bohnenberger J, et al. **J Neurosci Methods** 1983 Dec;9(4):335-41
Turnover of photoreceptor membranes in arthropods. Blest AD, et al. **Sci Prog** 1984 Spring;69(273):83-100 (52 ref.)
Production of antisera for the serological identification of bloodmeals of arthropods. Gill GS. **Trans R Soc Trop Med Hyg** 1984;78(2):233-4
[Effect of experimental interventions provoking the start of molting on the secretory activity of cerebral glands of Lithobius forficatus L. (Myriapoda Chilopoda)] Joly R. **J Physiol (Paris)** 1982;78(6):586-94 (Eng. Abstr.) **(Fre)**
[Structure of arthropod population occurring on Microtus arvalis (Pall.) in various environments. II. Dynamics of mean intensity of infection of M. arvalis by more frequently occurring arthropods in the areas not subjected to agrotechnical procedures] Haitlinger R. **Wiad Parazytol** 1983;29(3):351-62 (Eng. Abstr.) **(Pol)**

ULTRASTRUCTURE

[A simple method of preparing arthropod cuticle and insect eggs for scanning electron microscopy] Wegensteiner R, et al. **Mikroskopie** 1983 Jul;40(5-6):129-31 (Eng. Abstr.) **(Ger)**

ARTHROSCOPY

Knee function after arthroscopic meniscectomy. A prospective study. Hamberg P, et al. **Acta Orthop Scand** 1984 Apr;55(2):172-5
Arthroscopic knee surgery. Metcalf RW. **Adv Surg** 1984; 17:197-240 (53 ref.)
Diagnostic and therapeutic uses of the arthroscope in rheumatoid arthritis and osteoarthritis. Altman RD, et al. **Am J Med** 1983 Oct 31;75(4B):50-5 (32 ref.)
Arthroscopic meniscectomy in athletes. Lysholm J, et al. **Am J Sports Med** 1983 Nov-Dec;11(6):436-8
Airway emergency in a patient during CO2 arthroscopy [letter] Shupak RC, et al. **Anesthesiology** 1984 Feb; 60(2):171-2
Arthroscopy in the management of knee disorders. Keene G. **Aust Fam Physician** 1984 Mar;13(3):162-5
Comparison of open and endoscopic meniscectomy. Bergström R, et al. **Clin Orthop** 1984 Apr;(184):133-6
Instillation of continuous tube irrigation in the septic knee at arthroscopy. A technique. Gainor BJ. **Clin Orthop** 1984 Mar;(183):96-8
Ankle arthroscopy. Pritsch M, et al. **Clin Orthop** 1984 Apr; (184):137-40
An unusual use for the arthroscope. Chapple CR, et al. **Injury** 1984 Mar;15(5):351-2
Arthroscopic partial medial meniscectomy in the older patient. McBride GG, et al. **J Bone Joint Surg [Am]** 1984 Apr;66(4):547-51
A comparison between arthroscopic meniscectomy and modified open meniscectomy. A prospective randomised study with emphasis on postoperative rehabilitation. Hamberg P, et al. **J Bone Joint Surg [Br]** 1984 Mar; 66(2):189-92
Knee arthropathy in ochronosis: diagnosis by arthroscopy with ultrastructural features. Lurie DP, et al. **J Rheumatol** 1984 Feb;11(1):101-3
Arthroscopy and arthroscopic surgery of the knee. McClelland CJ. **Physiotherapy** 1984 Apr;70(4):154-6
Arthroscopic synovectomy in the treatment of hemophilic synovitis. Kim HC, et al. **Scand J Haematol [Suppl]** 1984; 40:271-9
Arthroscopic synovectomy in hemophilic arthropathy of the knee. Wiedel JD. **Scand J Haematol [Suppl]** 1984;40:263-70
Arthroscopy of the knee. Altman RD, et al. **Semin Arthritis Rheum** 1983 Nov;13(2):188-99 (76 ref.)
[Contribution of arthroscopy to therapeutics] Dorfmann H. **Presse Med** 1984 Feb 18;13(7):413-5 **(Fre)**
[Indications and results in arthroscopy in the diagnosis and treatment of disorders of the knee] Lemaire R, et al. **Rev Med Liege** 1984 May 1;39(9):368-75 **(Fre)**
[Arthroscopic surgery of the knee: initial results from Geneva] Demottaz JD, et al. **Rev Med Suisse Romande** 1983 Sep;103(9):791-3 **(Fre)**
[Value of arthroscopy in aseptic filarial monoarthritis (letter)] Huchet B, et al. **Rev Rhum Mal Osteoartic** 1984 Jan; 51(1):55-6 **(Fre)**
[Arthroscopy of the non-inflamed knee (traumatic or not). Apropos of 500 cases] Stroz G, et al. **Rev Rhum Mal Osteoartic** 1984 Jan;51(1):15-21 (Eng. Abstr.) **(Fre)**
[Arthroscopy and arthroscopic surgery] Lamoureux G, et al. **Union Med Can** 1983 Oct;112(10):942-3 (Eng. Abstr.) **(Fre)**
[Fluid pumps for continuing joint irrigation during arthroscopy] Haupt PR, et al. **Aktuel Traumatol** 1984 Jun; 14(3):106-7 (Eng. Abstr.) **(Ger)**
[The value of arthroscopy in the diagnosis of knee injuries] Schmidt KH, et al. **Aktuel Traumatol** 1984 Jun;14(3):103-5 (Eng. Abstr.) **(Ger)**
[Topography of the posterior horn of the lateral meniscus--arthroscopico-anatomic study] Löhnert J, et al. **Unfallchirurgie** 1984 Jun;10(3):142-4 (Eng. Abstr.) **(Ger)**
[Cartilage punch biopsy in arthrotomy or -scopy] Giebel G, et al. **Unfallheilkunde** 1983 Jul;86(7):327-30 (Eng. Abstr.) **(Ger)**
[Arthroscopy of the shoulder joint] Seiler H, et al. **Unfallheilkunde** 1984 Feb;87(2):73-7 (Eng. Abstr.) **(Ger)**
[Arthroscopy from the orthopedic viewpoint] Agreiter HZ, et al. **ZFA (Stuttgart)** 1983 Nov 10;59(31):1732-3 **(Ger)**
[Operative arthroscopy] Finsterbush A, et al. **Harefuah** 1983 Dec 1;105(11):354-5 (Eng. Abstr.) **(Heb)**
[The role of arthroscopy in acute injuries of the knee] Salai M, et al. **Harefuah** 1983 Feb 15;104(4):134-6 (Eng. Abstr.) **(Heb)**
[Clinical trial of arthroscopy of the knee joint] Levenets VN, et al. **Ortop Travmatol Protez** 1984 Jun;(6):34-8 (Eng. Abstr.) **(Rus)**
[Modern achievement in arthroscopy and arthroscopic surgery of the knee] Popović D. **Vojnosanit Pregl** 1983 Nov-Dec;40(6):436-41 **(Ser)**

ADVERSE EFFECTS

Fulminant hospital-acquired toxic shock syndrome. Farber BF, et al. **Am J Med** 1984 Aug;77(2):331-2
The effect of diagnostic and operative arthroscopy and open meniscectomy on muscle strength in the thigh. Hamberg P, et al. **Am J Sports Med** 1983 Sep-Oct;11(5):289-92
Ruptured semimembranosus bursa--a complication of arthroscopy. A short case report. Bunker TD, et al. **Injury** 1983 Nov;15(3):182-3
An unusual complication of arthroscopy: a fistula between the knee and the prepatellar bursa. Case report. Hadied AM. **J Bone Joint Surg [Am]** 1984 Apr;66(4):624
Thromboembolic complications of knee arthroscopy [letter] Dunn PM, et al. **West J Med** 1984 Feb;140(2):291

ECONOMICS

[Ambulatory arthroscopy in local anesthesia. A study on cost saving] Almdahl SM, et al. **Tidsskr Nor Laegeforen** 1984 Jan 10;104(1):34-5 (Eng. Abstr.) **(Nor)**

INSTRUMENTATION

Arthroscopy instrumentation and time-savers. Harrison C, et al. **AORN J** 1984 Jun;39(7):1230, 1232-3
Surgeon's workshop. A stone-catching basket for arthroscopic removal of loose bodies. Spencer RF, et al. **J R Coll Surg Edinb** 1984 Mar;29(2):112-3
Arthroscopic synovectomy of the knee joint with the electric resectoscope. Aritomi H. **Scand J Haematol [Suppl]** 1984; 40:249-62
[Arthroscopy and arthroscopic operations] Raemy H, et al. **Ther Umsch** 1984 Jan;41(1):20-8 (Eng. Abstr.) **(Ger)**
[Arthroscopy of the knee joint] Kalabay L, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1984; 27(2):85-101 (Eng. Abstr.) **(Hun)**
[Clinical trial of arthroscopy of the knee joint] Levenets VN, et al. **Ortop Travmatol Protez** 1984 Jun;(6):34-8 (Eng. Abstr.) **(Rus)**

METHODS

Arthroscopy of the injured knee. Salacz T, et al. **Acta Chir Hung** 1984;25(1):45-60
Arthroscopy of the shoulder: technique and normal anatomy. Andrews JR, et al. **Am J Sports Med** 1984 Jan-Feb; 12(1):1-7
Ankle arthroscopy. Technique and indications. Drez D Jr, et al. **Clin Sports Med** 1982 Mar;1(1):35-45
Arthroscopic surgery in man. Dandy DJ. **Equine Vet J** 1984 Jan;16(1):20-4
Arthroscopy of the temporomandibular joint. Examination of 2 patients with suspected disk derangement. Hellsing G, et al. **Int J Oral Surg** 1984 Feb;13(1):69-74
Arthroscopic meniscectomy. O'Carroll PF, et al. **Ir Med J** 1983 Aug;76(8):351-2
Arthroscopy of the shoulder joint (technique). Oretorp N, et al. **Ital J Orthop Traumatol** 1983 Jun;9(2):251-8
Irrigating fluid in arthroscopy [letter] King J, et al. **Lancet** 1984 Jan 21;1(8369):159-60
[Partial arthroscopic meniscus resection. Results of 234 arthroscopic operations] Löhnert J, et al. **Chirurg** 1984 Jul; 55(7):474-9 (Eng. Abstr.) **(Ger)**
[Value of arthroscopy of the knee joint. General aspects, historical review, other procedures] Probst J. **Lebensversicherungsmedizin** 1983 Aug 26;35(7):152-4 (Eng. Abstr.) **(Ger)**
[Posterior approach in arthroscopy of the knee] Aglietti P, et al. **Arch Putti Chir Organi Mov** 1983;33:185-90 (Eng. Abstr.) **(Ita)**
[Surgery performed under arthroscopy] Chin E. **Nippon Seikeigeka Gakkai Zasshi** 1983 Nov;57(11):1809-19 **(Jpn)**

TRENDS

[Recent trends in diagnostic arthroscopy] Finsterbush A, et al. **Harefuah** 1984 Jan 15;106(2):64-5 (Eng. Abstr.) **(Heb)**

VETERINARY

Experiences in diagnostic and surgical arthroscopy in the horse. McIlwraith CW. **Equine Vet J** 1984 Jan;16(1):11-9

ARTHUS PHENOMENON

Arthus and delayed type of hypersensitivity to Pseudomonas aeruginosa antigens in mouse. Maresz-Babczyszyn J, et al. **Arch Immunol Ther Exp (Warsz)** 1983;31(2):217-30

CHEMICALLY INDUCED

[Allergic heparin-induced infiltrates and skin necrosis caused by subcutaneous injections of heparin] Nodel'son SE, et al. **Ter Arkh** 1984;56(6):118-21 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

[Role of sensitization of the body in the mechanism of development of aseptic osteonecrosis of the femur head] Dizik GM, et al. **Ortop Travmatol Protez** 1984 May;(5):20-4 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Effects of various substances on two types of inflammatory reaction in animals. Hertz F, et al. **Gen Pharmacol** 1983; 14(4):419-27
Control of Arthus tonsillitis by the administration of an antiplasminic agent. Kosugi T, et al. **Int J Tissue React** 1983;5(2):205-15

PATHOLOGY

Ultrastructure of the Arthus Phenomenon in muscle. Fidziańska A, et al. **Acta Neuropathol (Berl)** 1984; 64(2):161–6

Epidermal cell proliferation following an active arthus reaction in the guinea pig. Hatamochi A, et al. **Arch Dermatol Res** 1983;275(5):296–300

VETERINARY

Pathology of the active Arthus reaction in the chicken. Dhodapkar BS, et al. **Res Vet Sci** 1983 Nov;35(3):259–72

ARTICULATION DISORDERS

COMPLICATIONS

Auditory perceptual abilities of formerly misarticulating children. Riensche LL, et al. **J Aud Res** 1982 Oct; 22(4):240–8

Patterns of auditory processing and articulation deficits in academically deficient juvenile delinquents. Zinkus PW, et al. **J Speech Hear Disord** 1983 Feb;48(1):36–40

Perception and production of approximant consonants by normal and articulation-delayed preschool children. Broen PA, et al. **J Speech Hear Res** 1983 Dec;26(4):601–8

DIAGNOSIS

The pass/fail disparity among three commonly employed articulatory screening tests. Ritterman SI, et al. **J Speech Hear Disord** 1982 Nov;47(4):429–33

Response to McReynolds and Elbert [letter] Weiner FF. **J Speech Hear Disord** 1983 Feb;48(1):111

ETIOLOGY

Do the effects of adventitious deafness include disordered speech? Goehl H, et al. **J Speech Hear Disord** 1984 Feb; 49(1):58–64

PHYSIOPATHOLOGY

Speech timing of phonologically disordered children: voicing contrast of initial and final stop consonants. Catts HW, et al. **J Speech Hear Res** 1983 Dec;26(4):501–10

Voicing contrasts and their phonological implications in the speech of articulation-disordered children. Smit AB, et al. **J Speech Hear Res** 1983 Dec;26(4):486–500

PSYCHOLOGY

Perception and production of misarticulated (r). Hoffman PR, et al. **J Speech Hear Disord** 1983 May;48(2):210–5

Multiple-phoneme-misarticulating children's perception and production of voice onset time. Hoffman PR, et al. **Percept Mot Skills** 1984 Apr;58(2):603–10

THERAPY

Speech modification by a deaf child through dynamic orometric modeling and feedback. Fletcher SG, et al. **J Speech Hear Disord** 1983 May;48(2):178–85

Interallophonic generalization of (r) training. Hoffman PR. **J Speech Hear Disord** 1983 May;48(2):215–21

Generalization following the remediation of early- and later-developing consonant clusters. Powell TW, et al. **J Speech Hear Disord** 1984 May;49(2):211–8

ARTIFICIAL INSEMINATION see **INSEMINATION, ARTIFICIAL**

ARTIFICIAL LIMBS

Bioelectric control of powered limbs for amputees. Stein RB, et al. **Adv Neurol** 1983;39:1093–108

Prostheses alignment: effect on gait of persons with below-knee amputations. Hannah RE, et al. **Arch Phys Med Rehabil** 1984 Apr;65(4):159–62

Nerve entrapment syndromes in the upper extremity contralateral to amputation. Reddy MP. **Arch Phys Med Rehabil** 1984 Jan;65(1):24–6

Pantyhose prosthesis: a cosmetic alternative. Wainapel SF, et al. **Arch Phys Med Rehabil** 1984 Jun;65(6):338–40

Bone and joint replacement for the preservation of limbs. Scales JT. **Br J Hosp Med** 1983 Oct;30(4):220–32

Construction methods and materials for external prostheses—present and future. Foort J, et al. **Int Rehabil Med** 1984;6(2):72–8

Evaluation of AK prostheses comparing conventional with adaptive knee control devices. Ishai G, et al. **J Biomed Eng** 1984 Jan;6(1):27–32

Socket design and manufacturing technique for through-knee stumps. Botta P, et al. **Prosthet Orthot Int** 1983 Aug; 7(2):100–3

Potential problems of manufacture and fitting of polypropylene ultralightweight below-knee prostheses. Convery P, et al. **Prosthet Orthot Int** 1984 Apr;8(1):21–8

Biomechanics of the through-knee prosthesis. Hughes J. **Prosthet Orthot Int** 1983 Aug;7(2):96–9

An angular alignment protractor for use in the alignment of below-knee protheses. Kerr G, et al. **Prosthet Orthot Int** 1984 Apr;8(1):56–7

Casting the through-knee stump. Lyquist E. **Prosthet Orthot Int** 1983 Aug;7(2):104–6

Knee mechanisms for through-knee prostheses. Oberg K. **Prosthet Orthot Int** 1983 Aug;7(2):107–12

A method for socket duplication using Silcoset R 105. Young NJ. **Prosthet Orthot Int** 1984 Apr;8(1):52–3

[The MEH 6 bioelectric forearm prosthesis] Vostrčil M. **Acta Chir Orthop Traumatol Cech** 1984 Apr;51(2):176–80 (Eng. Abstr.) **(Cze)**

[Angle osteotomy of the humerus stump to avoid the use of an upper arm prosthesis with shoulder cap] de Vries J. **Ned Tijdschr Geneeskd** 1983 Sep 10;127(37):1659–60 (Eng. Abstr.) **(Dut)**

[Current clinical possibilities of gait measurements, application to amputees] Michaut E, et al. **Acta Belg Med Phys** 1983 Oct–Dec;6(4):157–60 (Eng. Abstr.) **(Fre)**

[Determination of pressure distribution between orthopedic technical aids and body surface area] Girbardt R, et al. **Beitr Orthop Traumatol** 1983 Dec;30(12):633–40 (Eng. Abstr.) **(Ger)**

[Prosthetic care following amputation] Marquardt E. **Chirurg** 1984 May;55(5):311–7 **(Ger)**

[Providing amelia patients with prostheses – overtreatment? Experiences with long-term follow-ups] Rütt A, et al. **Rehabilitation (Stuttg)** 1984 Feb;23(1):28–32 (Eng. Abstr.) **(Ger)**

[Current status and problems of artificial organs. 10. Artificial limbs] Hirokawa S. **Iyodenshi To Seitai Kogaku** 1983 Sep; 21(5):394–9 (40 ref.) **(Jpn)**

[A new method of EMG processing for controlling prostheses and the approach to the prediction of the walking period by EMG] Koganezawa K, et al. **Iyodenshi To Seitai Kogaku** 1983 Oct;21(6):452–8 (Eng. Abstr.) **(Jpn)**

[The development of A/K prosthesis with the knee joint torque generation mechanism adaptable to walking period] Koganezawa K, et al. **Iyodenshi To Seitai Kogaku** 1983 Oct;21(6):445–51 (Eng. Abstr.) **(Jpn)**

[Quantitative analysis of lateral force of floor reactions in normal and above-knee prosthetic gait] Hayashi S. **Nippon Seikeigeka Gakkai Zasshi** 1983 Dec;57(12):1911–21 (Eng. Abstr.) **(Jpn)**

[Porous corundum ceramics as a biological material] Bieniek J, et al. **Chir Narzadow Ruchu Ortop Pol** 1983;48(3):285–8 (Eng. Abstr.) **(Pol)**

[Wood engraving depicting prosthesis of an amputated leg in the Silesian poem by Rożdzieński 'Officina Ferraria' dated 1612] Jonecko A. **Wiad Lek** 1983 Jun 15; 36(12):1025–31 (Eng. Abstr.) **(Pol)**

[Clinical and functional features of prosthesis following interilioabdominal exarticulation] Kondrashin NI, et al. **Ortop Travmatol Protez** 1983 Nov;(11):30–3 (Eng. Abstr.) **(Rus)**

HISTORY

An old Cornish hand. Robins R. **J Hand Surg [Br]** 1984 Jun; 9(2):199–200

[Woodcut depicting an amputated leg and prosthesis in the Silesian poem 'Officina ferraria' by Rożdzieński, 1612] Jonecko A. **Arch Hist Med (Warsz)** 1984;47(1):107–16 (Eng. Abstr.) **(Pol)**

PSYCHOLOGY

Coping with the loss of a leg. Furst L, et al. **Prosthet Orthot Int** 1983 Dec;7(3):152–6

REHABILITATION

Myoelectric training for preschool children. O'Shea BJ, et al. **Arch Phys Med Rehabil** 1983 Oct;64(10):451–5

In-hospital rehabilitation of amputees: a prospective study. Acton D, et al. **Ir Med J** 1984 May;77(5):131–3

Analysis of human motion in rehabilitation by micro-computer. Ito F. **Nagoya J Med Sci** 1984 Mar; 46(1–4):55–66

A microcomputer-based system for measuring temporal asymmetry in amputee gait. Cheung C, et al. **Prosthet Orthot Int** 1983 Dec;7(3):131–40

Tolerance of early walking with total contact among below-knee amputees—a randomized test. Liedberg E, et al. **Prosthet Orthot Int** 1983 Aug;7(2):91–5

Success rate of prosthetic fitting after major amputations of the lower limb. Steen Jensen J, et al. **Prosthet Orthot Int** 1983 Aug;7(2):119–21

A field evaluation of arm prostheses for unilateral amputees. van Lunteren A, et al. **Prosthet Orthot Int** 1983 Dec; 7(3):141–51

[Effect of exercise on lipid metabolism in patients with amputation stumps and ischemic heart disease] Kaznacheev LN, et al. **Kardiologiia** 1984 Feb;24(2):109–10 **(Rus)**

[Artificial control of movement while walking on prostheses of the lower limbs] Kondrashin NI, et al. **Ortop Travmatol Protez** 1984 Jan;(1):27–31 (Eng. Abstr.) **(Rus)**

[Use of the pneumatic prosthesis in hand deformities] Koriukov AA, et al. **Ortop Travmatol Protez** 1984 Apr; (4):59–60 **(Rus)**

ARTIFICIAL ORGANS

Living with artificial organs [editorial] Nosé Y. **Artif Organs** 1984 May;8(2):135–6

Effects of X-irradiation on artificial blood vessel wall degradation by invasive tumor cells. Heisel MA, et al. **Cancer Res** 1984 Jun;44(6):2441–5

The artificial organs program at The Cleveland Clinic Foundation: past, present, and future. Nosé Y. **Cleve Clin Q** 1984 Spring;51(1):93–104

Contact dermatitis to Synthaderm. Helland S, et al. **Contact Dermatitis** 1983 Nov;9(6):504–6

The chronically stimulated muscle as an energy source for artificial organs. Preliminary results of a basic study in sheep. Frey M, et al. **Eur Surg Res** 1984;16(4):232–7

Artificial liver support: requirements and approaches. Chang TM. **Int J Artif Organs** 1983 Jul;6(4):178–82

Clinical experience with an artificial spermatocele. Marmar JL, et al. **J Androl** 1984 Jul–Aug;5(4):304–11

Artificial organs beyond the first 40 years. Kolff WJ. **Life Support Syst** 1984 Jan–Mar;2(1):1–14

On flash points, glory and the house of science. Presidential address. Kjellstrand CM. **Trans Am Soc Artif Intern Organs** 1983;29:800–5

Comparative performance of microporous polypropylene membrane lungs for CO2 removal at low blood flow rates. Mook PH, et al. **Trans Am Soc Artif Intern Organs** 1983; 29:215–20

Membranes in artificial organs: a state-of-the-problem discussion. Sparks RE, et al. **Trans Am Soc Artif Intern Organs** 1983;29:760–3

Liver support/transplants and artificial organs. Starzl TE, et al. **Trans Am Soc Artif Intern Organs** 1983;29:795–9

Prototype of hybrid artificial liver assist system. Takahama T, et al. **Trans Am Soc Artif Intern Organs** 1983;29:475–9

[Material design for artificial organs] Akaike T. **Iyodenshi To Seitai Kogaku** 1983 Sep;21(5):337–42 **(Jpn)**

[Artificial organs] Atsumi K. **Iyodenshi To Seitai Kogaku** 1982 Dec;20(7):541–5 **(Jpn)**

[Current status and problems of artificial organs. 2. Artificial liver] Ohshima N, et al. **Iyodenshi To Seitai Kogaku** 1983 Sep;21(5):352–8 (45 ref.) **(Jpn)**

[Artificial organs and the concepts of normalcy and health] Okajima M. **Iyodenshi To Seitai Kogaku** 1983 Sep; 21(5):343–6 **(Jpn)**

HISTORY

Artificial organs—forty years and beyond. Kolff WJ. **Trans Am Soc Artif Intern Organs** 1983;29:6–24

STANDARDS

Impact of regulations on artificial organs research. Morton WA, et al. **Trans Am Soc Artif Intern Organs** 1983;29:770–3

ARTIODACTYLA

Giant verrucous carcinoma in a giraffe. Burgdorf WH, et al. **Am J Dermatopathol** 1984 Feb;6(1):81–5

Bovine viral diarrhea virus infection in captive exotic ruminants. Doyle LG, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1257–9

Successful management of a fractured metacarpus and exertional rhabdomyolysis in a greater kudu antelope. Kollias GV Jr, et al. **J Am Vet Med Assoc** 1983 Dec 1; 183(11):1334–7

Cutaneous fibropapilloma in a pronghorn antelope. Sundberg JP, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1333–4

Immobilization and tagging of muskoxen (Ovibos moschatus) in Jameson Land, northeastern Greenland. Clausen B, et al. **J Wildl Dis** 1984 Apr;20(2):141–5

Polioencephalomalacia-like disease in pronghorns (Antilocapra americana). Wobeser G, et al. **J Wildl Dis** 1983 Jul;19(3):248–52

Serologic and experimental investigations of contagious ecthyma in Alaska. Zarnke RL, et al. **J Wildl Dis** 1983 Jul;19(3):170–4

Cysticercosis caused by Cysticercus tenuicollis in a Beisa oryx. Arora BM, et al. **Vet Rec** 1984 Feb 25;114(8):197

Diseases produced by Trypanosoma vivax in ruminants, horses and rodents. Anosa VO. **Zentralbl Veterinarmed [B]** 1983 Dec;30(10):717–41 (164 ref.)

[Fine structure and development of Sarcocystis aucheniae in llamas] Schnieder T, et al. **Z Parasitenkd** 1984; 70(4):451–8 (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

The fibre type composition of the striated muscle of the oesophagus in ruminants and carnivores. Mascarello F, et al. **Histochemistry** 1984;80(3):277–88

Comparative and functional morphology of the stomach in the adult and newborn pigmy hippopotamus (Choeropsis liberiensis). Macdonald AA, et al. **J Morphol** 1983 Sep; 177(3):269–76

Ovarian morphology of the springbok, Antidorcas marsupialis. Els DA. **J S Afr Vet Assoc** 1983 Jun; 54(2):119–21

Frequency and localization of binucleate cells in the placentomes of ruminants. Wooding FB. **Placenta** 1983;4 Spec No:527–39

[Osteology of the giraffe's skull] König HE. **Tierarztl Prax** 1983;11(3):405–15 **(Ger)**

BLOOD

Phospholipid and fatty acid composition of erythrocyte membrane from wild Japanese serow (Capricornis crispus).

Takahashi M, et al. **Comp Biochem Physiol [B]** 1984; 77(2):369–71

The metabolism of dopamine in the blood of ruminant animals: an enzyme system to metabolize dopamine released from the mast cells in these species? Sharman DF, et al. **Comp Biochem Physiol [C]** 1983;75(2):217–22

Hematologic and serum chemical effects of a ketamine/xylazine combination when used for immobilizing springbok. Jacobson ER. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1260–2

Techniques for collecting blood from collared peccaries, Dicotyles tajacu (L.). Lochmiller RL, et al. **J Wildl Dis** 1984 Jan;20(1):47–50

Serum chemistry of the collared peccary (Tayassu tajacu). Lochmiller RL, et al. **J Wildl Dis** 1984 Apr;20(2):134–40

GENETICS

Units of chromosome replication and packing. Mullinger AM, et al. **J Cell Sci** 1983 Nov;64:179–93

[Genetic polymorphism of transferrins in Bovinae] Rozhkov Iul, et al. **Genetika (Moskva)** 1984 Jan;20(1):107–13 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Prevalence of antibody to bovine herpesvirus 1 in wild ruminants captive in United States zoos. Doyle LG, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1255–6

METABOLISM

Molar proportions of volatile fatty acids in the gastrointestinal tract of East African wild ruminants. Clemens ET, et al. **Comp Biochem Physiol [A]** 1983; 76(2):217–24

Stomach lysozymes of ruminants. I. Distribution and catalytic properties. Dobson DE, et al. **J Biol Chem** 1984 Sep 25; 259(18):11607–16

Nitrogen metabolism in the rumen. Leng RA, et al. **J Dairy Sci** 1984 May;67(5):1072–89 (135 ref.)

MICROBIOLOGY

Characteristics of the herpesvirus of malignant catarrhal fever isolated from captive wildebeest calves. Castro AE, et al. **Am J Vet Res** 1984 Mar;45(3):409–15

Ruminant paratuberculosis (Johne's disease): the current status and future prospects. Chiodini RJ, et al. **Cornell Vet** 1984 Jul;74(3):218–62 (330 ref.)

Aeromonas hydrophila in livestock: incidence, biochemical characteristics and antibiotic susceptibility. Gray SJ. **J Hyg (Lond)** 1984 Jun;92(3):365–75

Anaplasma infections in wild and domestic ruminants: a review. Kuttler KL. **J Wildl Dis** 1984 Jan;20(1):12–20

Abscesses in a free-ranging bison in Alaska. Zarnke RL, et al. **J Wildl Dis** 1984 Apr;20(2):151–2

Ecology of Rhodococcus equi. Barton MD, et al. **Vet Microbiol** 1984 Feb;9(1):65–76

Role of wildebeest fetal membranes and fluids in the transmission of malignant catarrhal fever virus. Rossiter PB, et al. **Vet Rec** 1983 Aug 13;113(7):150–2

PARASITOLOGY

Cryptosporidiosis in a neonatal gazella. Fenwick BW. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1331–2

The efficacy of ivermectin against helminth and arthropod parasites of impala. Horak IG, et al. **J S Afr Vet Assoc** 1983 Dec;54(4):251–3

Some helminth and arthropod parasites of the grey duiker, Sylvicapra grimmia. Boomker J, et al. **Onderstepoort J Vet Res** 1983 Dec;50(4):233–41

Parocooperia devossin. sp. (Nematoda: Trichostrongylidae) from the bushbuck, Tragelaphus scriptus (Pallas, 1766). Boomker J, et al. **Onderstepoort J Vet Res** 1984 Mar; 51(1):21–4

Haemonchus contortus from the vaal ribbok, Pelea capreolus, and the bontebok, Damaliscus dorcas dorcas, in the Bontebok National Park. Boomker J, et al. **Onderstepoort J Vet Res** 1983 Sep;50(3):179–81

Parasites of domestic and wild animals in South Africa. XVI. Helminth and arthropod parasites of blue and black wildebeest (Connochaetes taurinus and Connochaetes gnou). Horak IG, et al. **Onderstepoort J Vet Res** 1983 Dec; 50(4):243–55

The ixodid tick burdens of various large ruminant species in South African nature reserves. Horak IG, et al. **Onderstepoort J Vet Res** 1983 Sep;50(3):221–8

The protective mucosal response against gastrointestinal nematodes in ruminants and laboratory animals. Miller HR. **Vet Immunol Immunopathol** 1984 May;6(1–2):167–259 (341 ref.)

Studies on ticks of veterinary importance in Nigeria. XI. Observations on the biology of ticks detached from the red-flanked duiker (Cephamophys rufulatus) and parasites encountered in their blood. Dipeolu OO, et al. **Vet Parasitol** 1984 Mar;14(2):87–93

PHYSIOLOGY

Decline with age in the rate of reduction of progesterone to 20 alpha-hydroxypregn-4-en-3-one in the blood of perinatal ruminants. Nancarrow CD. **Aust J Biol Sci** 1983; 36(2):183–90

Digestive physiology of East African wild ruminants. Clemens ET, et al. **Comp Biochem Physiol [A]** 1983; 76(2):319–33

Ionophores: their effect on production efficiency and mode of action. Bergen WG, et al. **J Anim Sci** 1984 Jun; 58(6):1465–83 (107 ref.)

Environmental stress and the physiology, performance and health of ruminants. Webster AJ. **J Anim Sci** 1983 Dec; 57(6):1584–93 (33 ref.)

Ruminant cold stress: effect on production. Young BA. **J Anim Sci** 1983 Dec;57(6):1601–7 (51 ref.)

The design and the role of the nasal passages in temperature regulation in the dik-dik antelope (Rhynchotragus kirkii) with observations on the carotid rete. Kamau JM, et al. **Respir Physiol** 1984 May;56(2):183–94

ARVIN see **ANCROD**

ARVIN IRC-50 see **ANCROD**

ARYL HYDROCARBON HYDROXYLASES

ANALYSIS

Activity and inducibility of aryl hydrocarbon hydroxylase in the eelpout Zoarces viviparus (L.). Jensen R, et al. **Arch Environ Contam Toxicol** 1983 Nov;12(6):673–8

A method for assaying aryl hydrocarbon hydroxylase in man using fibroblasts cultured in vitro from oral mucosa. Beirne OR, et al. **Arch Oral Biol** 1984;29(8):653–9

A modified protocol for measuring alterations in human placental aryl hydrocarbon hydroxylase (AHH) activity associated with environmental chemical exposure. Wong TK, et al. **Dev Toxicol Environ Sci** 1983;11:395–8

Modulation of rat liver aryl hydrocarbon (benzo[a]pyrene) hydroxylase activity by nutritional effects. Salazar I, et al. **J Toxicol Environ Health** 1983 Apr–Jun;11(4–6):519–33

A survey of aryl hydrocarbon hydroxylase activity in human placental homogenates. Kaelin AC, et al. **Placenta** 1983;4 Spec No:471–8

Effect of polybrominated biphenyls, beta-naphthoflavone and phenobarbital on arylhydrocarbon hydroxylase activities and chloroform-induced nephrotoxicity and hepatotoxicity in male C57BL/6J and DBA/2J mice. Ahmadizadeh M, et al. **Toxicology** 1984 Jun;31(3–4):343–52

ANTAGONISTS & INHIBITORS

Clotrimazole, an inhibitor of epidermal benzo(a)pyrene metabolism and DNA binding and carcinogenicity of the hydrocarbon. Mukhtar H, et al. **Cancer Res** 1984 Oct; 44(10):4233–40

Inhibition of hepatic azo-reductase and aromatic hydroxylase by radiopharmaceuticals containing tin. Burba JV. **Toxicol Lett** 1983 Sep;18(3):269–72

[Sex difference in the effects of delta 9-tetrahydrocannabinol and cannabidiol on pentobarbital-induced sleeping time and hepatic microsomal drug metabolizing enzyme systems in mice] Hamajima K, et al. **Yakugaku Zasshi** 1983 Dec; 103(12):1289–97 (Eng. Abstr.) **(Jpn)**

[Comparative inhibitory analysis of aniline hydroxylation by cytochrome P-450 in NADPH-, hydroperoxide cumyl- and H2O2-dependent systems] Karuzina II, et al. **Biokhimiia** 1983 Nov;48(11):1788–93 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Induction of benzo(a)pyrene hydroxylase in Aspergillus ochraceus TS: evidences of multiple forms of cytochrome P-450. Dutta D, et al. **Biochem Biophys Res Commun** 1983 Sep 15;115(2):692–9

Human fetal liver cultures: basal activities and inducibility of epoxide hydrolases and aryl hydrocarbon hydroxylase. Peng DR, et al. **Biochem Pharmacol** 1984 Jan 1;33(1):71–7

In vitro inhibition of 3-methylcholanthrene-induced rat hepatic aryl hydrocarbon hydroxylase by 8-acyl-7-hydroxycoumarins. Structure-activity relationships and metabolite profiles. Stupans I, et al. **Biochem Pharmacol** 1984 Jan 1;33(1):131–9

Effect of coal tar on cutaneous aryl hydrocarbon hydroxylase induction and anthralin irritancy. Lawrence CM, et al. **Br J Dermatol** 1984 Jun;110(6):671–5

In vivo induction of aryl hydrocarbon hydroxylase in human scalp hair follicles by topical application of a commercial coal tar preparation. Hukkelhoven MW, et al. **Cancer Lett** 1984 Jun;23(2):135–43

Induction by 9-hydroxyellipticine of aryl hydrocarbon hydroxylase in perinatal rat liver and in primary fetal hepatocytes in culture. Cresteil T, et al. **Chem Biol Interact** 1984 Jan;48(1):103–13

The influence of sex steroid status on the induction of rat hepatic aniline hydroxylase and ethylmorphine demethylase activities by L-alpha-acetylmethadol. Beierschmitt WP, et al. **Drug Metab Dispos** 1984 Mar–Apr; 12(2):266–8

Aryl hydrocarbon hydroxylase induction by benzo[a]anthracene: regulatory gene localized to the distal portion of mouse chromosome 17. Legraverend C, et al. **Genetics** 1984 Jul;107(3):447–61

Induction of benzo(a)pyrene hydroxylase & cytochrome P-448 in hepatic microsomes by jute batching oil. Kumar S, et al. **Indian J Exp Biol** 1983 Aug;21(8):437–9

Aryl hydrocarbon hydroxylase activity induced by injected diesel particulate extract vs inhalation of diluted diesel exhaust. Chen KC, et al. **J Appl Toxicol** 1981 Apr; 1(2):127–31

Screening of fresh water fish extracts for enzyme-inducing substances by an aryl hydrocarbon hydroxylase induction bioassay technique. Casterline JL Jr, et al. **J Assoc Off Anal Chem** 1983 Sep;66(5):1136–9

Monooxygenase activity of human epithelial cells (HeLa): comparison of the response to treatment by arylhydrocarbons and diterpene esters. Pyerin WG, et al. **J Cancer Res Clin Oncol** 1983;106(1):71–3

The interrelationship of polycyclic hydrocarbon metabolism and steroidogenesis in primary cultures of bovine adrenal cortical cells. Dibartolomeis MJ, et al. **Mol Pharmacol** 1984 May;25(3):476–86

Polychlorinated dibenzofurans (PCDFs): effects of structure on binding to the 2,3,7,8-TCDD cytosolic receptor protein, AHH induction and toxicity. Bandiera S, et al. **Toxicology** 1984 Aug;32(2):131–44

[Carcinoma and leukoplakia in the oral cavity in relation to AHH induction, smoking and dental status] Andreasson L, et al. **HNO** 1984 Mar;32(3):112–4 (Eng. Abstr.) **(Ger)**

BLOOD

Alterations in leukocyte aryl hydrocarbon hydroxylase activity associated with treatment and age in psoriasis patients and healthy individuals. Kraemer KH, et al. **Arch Dermatol Res** 1984;276(2):105–10

Blood monocyte aryl hydrocarbon hydroxylase activity in psoriasis. Mason G, et al. **Br J Clin Pharmacol** 1983 Sep; 16(3):333–5

[Enzyme induction in patients with small cell bronchial cancers] Svensson G, et al. **Prax Klin Pneumol** 1983 Oct; 37 Suppl 1:1008 **(Ger)**

DEFICIENCY

The defects in all classes of aryl hydrocarbon hydroxylase-deficient mutant of mouse hepatoma line, Hepa-1, are restricted to activities catalyzed by cytochrome P-450. Duthu GS, et al. **Cancer Lett** 1983 Oct; 20(3):249–54

GENETICS

Aryl hydrocarbon hydroxylase inducibility among primary relatives of children with leukemia or solid tumors. Levine AS, et al. **Cancer Res** 1984 Jan;44(1):358–62

Single-step phototoxic selection procedure for isolating cells that possess aryl hydrocarbon hydroxylase. Van Gurp JR, et al. **Cancer Res** 1983 Dec;43(12 Pt 1):6031–8

Screening of 16 common therapeutic drugs. Possible association with the Ah locus. Chen YT, et al. **Dev Pharmacol Ther** 1983;6(4):269–83

Association between susceptibility to dibenzanthracene-induced fibrosarcoma formation and the Ah locus. Kouri RE, et al. **Int J Cancer** 1983 Dec 15; 32(6):765–8

The murine Ah locus. Comparison of the complete cytochrome P1-450 and P3-450 cDNA nucleotide and amino acid sequences. Kimura S, et al. **J Biol Chem** 1984 Sep 10;259(17):10705–13

Structural gene products of the Ah locus. Transcriptional regulation of cytochrome P1-450 and P3-450 mRNA levels by 3-methylcholanthrene. Gonzalez FJ, et al. **Mol Pharmacol** 1984 Jul;26(1):117–21

Cloning genes that encode drug-metabolizing enzymes: developmental pharmacology and teratology. Nebert DW, et al. **Prog Clin Biol Res** 1983;135:61–79 (48 ref.)

Dominant and recessive aryl hydrocarbon hydroxylase-deficient mutants of mouse hepatoma line, Hepa-1, and assignment of recessive mutants to three complementation groups. Hankinson O. **Somatic Cell Genet** 1983 Jul;9(4):497–514

Incomplete correlation of 2,3,7,8-tetrachlorodibenzo-p-dioxin hepatotoxicity with Ah phenotype in mice. Greig JB, et al. **Toxicol Appl Pharmacol** 1984 Jun 15;74(1):17–25

METABOLISM

Stimulation of drug-metabolizing enzymes by nitrous oxide in the rat. Peduto VA, et al. **Acta Anaesthesiol Scand** 1983 Dec;27(6):439–42

No effect of prolonged fluoride exposure on cytochrome P-450 and associated monooxygenases or on the level of polyamines in the rat. Hongslo JK, et al. **Acta Pharmacol Toxicol (Copenh)** 1983 Sep;53(3):250–3

An aryl hydrocarbon hydroxylating hepatic cytochrome P-450 from the marine fish Stenotomus chrysops. Klotz AV, et al. **Arch Biochem Biophys** 1983 Oct 15;226(2):578–92

Comparison between the effects of 2,3,7,8-tetrachlorodibenzo-p-dioxin and six other compounds on the vitamin A storage, the UDP-glucuronosyltransferase and the aryl hydrocarbon hydroxylase activity in the rat liver. Thunberg T, et al. **Arch Toxicol** 1984 Mar;55(1):16–9

Separation of two forms of cytochrome P-450 with aryl hydrocarbon hydroxylase activity from intestinal mucosa microsomes of rabbits treated with 3-methylcholanthrene. Ichihara K, et al. **Biochem Int** 1983 Aug;7(2):179–86

Developmental differences in basal and induced aryl

hydrocarbon (benzo[a]pyrene) hydroxylase activity in chick embryo liver and lung in ovo. Hamilton JW, et al. **Biochem Pharmacol** 1983 Oct 1;32(19):2986–8

Effect of steroid hormone treatment on aryl hydrocarbon hydroxylase activity in the Syrian hamster kidney. Li SA, et al. **Biochem Pharmacol** 1983 Oct 1;32(19):2847–50

Human skin aryl hydrocarbon hydroxylase. Finnen MJ, et al. **Br J Dermatol** 1984 Mar;110(3):339–42

Decreased induction of aryl hydrocarbon hydroxylase activity in hyperproliferative hairless mouse epidermis. Puhvel SM, et al. **Br J Dermatol** 1984 Jan;110(1):29–35

Influence of herpes simplex virus infection on benzo(a)pyrene metabolism in monkey kidney cells. Degenhardt JH, et al. **Bull Environ Contam Toxicol** 1984 Jan;32(1):1–9

Effects of chronic mestranol and (or)norethindrone treatment on ethanol–associated decreases in hepatic benzo[a]pyrene hydroxylase activity and increases in central vein fat accumulation in the female Wistar rat. Warren BL, et al. **Can J Physiol Pharmacol** 1983 Aug;61(8):808–15

Seasonal changes in aryl hydrocarbon hydroxylase activity of a marine fish Tautogolabrus adspersus (Walbaum) with and without petroleum exposure. Walton DG, et al. **Comp Biochem Physiol [C]** 1983;76(2):247–53

Microsomal biphenyl hydroxylase of fall armyworm larvae and its induction by allelochemicals and host plants. Yu SJ, et al. **Comp Biochem Physiol [C]** 1984;78(1):145–52

Ontogeny of benzo(a)pyrene hydroxylase, epoxide hydrolase and glutathione–S transferase in the brain, lung and liver of C57Bl/6 mice. Rouet P, et al. **Dev Pharmacol Ther** 1984; 7(4):245–58

Lung aryl hydrocarbon hydroxylase: inhibition following cadmium chloride inhalation. Palmer KC, et al. **Environ Res** 1983 Dec;32(2):432–44

The effect of cigarette smoke on aryl–hydrocarbon hydroxylase (AHH) activity of the human kidney. Lodovici M, et al. **Eur J Cancer Clin Oncol** 1983 Nov;19(11):1565–8

Effect of 1.1.1 trifluoro–N–(2–methyl–4–phenyl sulfonyl) methane sulfonamide (Destun 50WP) on rat hepatic microsomal enzymes, aniline hydroxylase and amino–pyrine N–demethylase. Thabrew MI, et al. **Eur J Drug Metab Pharmacokinet** 1983 Oct–Dec;8(4):321–7

Associations between liver histological changes and hepatic monooxygenase activities in vitro in diabetic patients. Salmela PI. **Horm Metab Res** 1984 Jan;16(1):7–10

Genetically determined differences in the response to carcinogens of aryl hydrocarbon hydroxylase and ornithine decarboxylase. Pelkonen O, et al. **IARC Sci Publ** 1983; 51:157–72 (75 ref.)

Effect of NiCl2, CoCl2 & cycloheximide on microsomal drug metabolism & ALA–synthetase during thiodemeton toxicity. Fawade MM, et al. **Indian J Exp Biol** 1983 Jun; 21(6):343–6

Rat liver microsomal cholesterol biosynthesis and drug oxidase activity are affected by chromium ions (Cr3+) in vitro. Deliconstantinos G, et al. **Int J Biochem** 1984; 16(8):935–8

Monoclonal antibody–directed phenotyping of cytochrome P–450–dependent aryl hydrocarbon hydroxylase and 7–ethoxycoumarin deethylase in mammalian tissues. Fujino T, et al. **J Biol Chem** 1984 Jul 25;259(14):9044–50

Hepatic microsomal enzymes in S. mansoni infected mice: II. Effect of duration of infection and lindane administration on aminopyrine demethylase and aniline hydroxylase. El–Bassiouni EA, et al. **J Environ Sci Health [B]** 1984 Mar;19(2):193–207

Aryl hydrocarbon hydroxylase, epoxide hydrolase, and benzo[a]–pyrene metabolism in human epidermis: comparative studies in normal subjects and patients with psoriasis. Bickers DR, et al. **J Invest Dermatol** 1984 Jul; 83(1):51–6

Comparison of aryl hydrocarbon hydroxylase activity and inducibility of sister–chromatid exchanges by polycyclic aromatic hydrocarbons in mammalian cell lines. Abe S, et al. **Mutat Res** 1983 Oct;122(1):47–51

Assay for gene mutation in a human lymphoblast line, AHH–1, competent for xenobiotic metabolism. Crespi CL, et al. **Mutat Res** 1984 Sep;128(2):221–30

Heterogeneity of hepatic aryl hydrocarbon hydroxylase activity in feral winter flounder: relevance to carcinogenicity testing. Bend JR, et al. **Natl Cancer Inst Monogr** 1984 May;65:359–70

Epoxide hydrolase and aryl hydrocarbon hydroxylase in human fetal tissues: activities in nuclear and microsomal fractions and in isolated hepatocytes. Pacifici GM, et al. **Pediatr Pharmacol (New York)** 1983;3(3–4):189–97

Competitive interaction for the Ah receptor by polycyclic aromatic hydrocarbons which do not induce aryl hydrocarbon hydroxylase in C3H/10T1/2 mouse embryo fibroblasts. Feeley MM, et al. **Prog Clin Biol Res** 1983; 135:373–7

Effect of estrogen pretreatment on the intestinal cytochrome P–450 in female rats. Breskvar K. **Steroids** 1983 Apr; 41(4):501–7

Microsomal electron transport and xenobiotic monooxygenase activities during the embryonic period of development in the killifish, Fundulus heteroclitus. Binder RL, et al. **Toxicol Appl Pharmacol** 1984 May;73(3):432–43

Influence of estradiol on the benzo(a)pyrene hydroxylase activity induced by hexachlorocyclohexane. Munir KM, et al. **Toxicol Lett** 1983 Dec;19(3):279–85

Relationship between survival times of rats exposed to lethal level of nitrogen dioxide and arylhydrocarbon hydroxylase activity in lungs. Sagai M, et al. **Toxicol Lett** 1983 Dec; 19(3):233–9

Effect of acute and repeated selenium treatment on hepatic monooxygenase enzyme activity in male rats. Schnell RC, et al. **Toxicol Lett** 1983 Jun;17(1–2):193–200

Effect of successive administration of zopiclone, a new class of minor tranquillizer, on mouse liver microsomal mono–oxygenase system. Kawamoto H, et al. **Xenobiotica** 1984 Apr;14(4):355–7

Studies on the properties of highly purified cytochrome P–448 and its dependent activity benzo[a]pyrene hydroxylase, from Saccharomyces cerevisiae. King DJ, et al. **Xenobiotica** 1984 Jan–Feb;14(1–2):187–206

[Correlation between cytochrome P–448 content and benzopyrene hydroxylase activity during the induction of microsomal monooxygenases using methylcholanthrene–type xenobiotics] Mishin VM, et al. **Biokhimiia** 1984 Mar;49(3):464–9 (Eng. Abstr.) **(Rus)**

[Changes in the activity of flavoprotein–dependent monooxygenase of immunocompetent cells in the mouse in response to antigens and low–molecular immunomodulators] Golovenko NIa, et al. **Ukr Biokhim Zh** 1984 Jan–Feb;56(1):42–6 (Eng. Abstr.) **(Rus)**

[Age variations in ethylmorphine demethylase and benzopyrene hydroxylase activities in rat liver microsomes] Lemeshko VV, et al. **Ukr Biokhim Zh** 1983 Sep–Oct; 55(5):569–71 (Eng. Abstr.) **(Rus)**

[Activity of NADPH–dependent monooxygenase hydroxylating system of rat liver under the effect of tetramethylthiuramdisulfide] Leonenko OB, et al. **Ukr Biokhim Zh** 1983 Sep–Oct;55(5):574–6 (Eng. Abstr.) **(Rus)**

[Higher microsomal monooxygenase activity in chloroquine–resistant strains of malarial plasmodium as a possible cause of drug stability] Pankova TG, et al. **Vopr Med Khim** 1983 Sep–Oct;29(5):63–5 (Eng. Abstr.) **(Rus)**

[The effect of polychlorinated biphenyls (PCB) on liver aniline hydroxylase activity and on certain metabolic parameters in the blood of pigs] Guoth J, et al. **Vet Med (Praha)** 1984 Jan;29(1):29–38 (Eng. Abstr.) **(Slo)**

ARYL SULFONATES

ANALYSIS

Thin layer chromatographic detection and spectrophotometric determination of the trisodium salt of 1,3,6–pyrenetrisulfonic acid in D&C Green No. 8. Richfield–Fratz N. **J Assoc Off Anal Chem** 1984 Jul–Aug; 67(4):762–3

DIAGNOSTIC USE

Use of the pH sensitive fluorescence probe pyranine to monitor internal pH changes in Escherichia coli membrane vesicles. Damiano E, et al. **FEBS Lett** 1984 Jan 23; 166(1):120–4

ARYLAMIDASES see **AMINO ACID NAPHTHYLAMIDASES**

ARYLAMINE ACETYLTRANSFERASES see under **ACETYLTRANSFERASES**

ARYLSULFATASES see under **SULFATASES**

ARYTENOID CARTILAGE see under **LARYNGEAL CARTILAGES**

AS IF PERSONALITY see **PERSONALITY DISORDERS**

ASBESTOS

Asbestos contamination of vermiculite [letter] Hayward SB, et al. **Am J Public Health** 1984 May;74(5):519–20

Modified EPA algorithm needed re: Asbestos in schools [letter] Kern D. **Am J Public Health** 1984 Apr;74(4):391–2

Enhanced release of a chemoattractant for alveolar macrophages after asbestos inhalation. Kagan E, et al. **Am Rev Respir Dis** 1983 Oct;128(4):680–7

Pulmonary macrophage accumulation and asbestos–induced lesions at sites of fiber deposition. Warheit DB, et al. **Am Rev Respir Dis** 1984 Feb;129(2):301–10

Void–counting in assessing membrane filter samples of asbestos fibre. Attfield MD, et al. **Ann Occup Hyg** 1983; 27(3):273–82

Relationships between simultaneous airborne dust samples taken with five types of instruments at South African asbestos mines and mills. Du Toit RS, et al. **Ann Occup Hyg** 1983;27(4):373–87

Asbestos catalyzes hydroxyl and superoxide radical generation from hydrogen peroxide. Weitzman SA, et al. **Arch Biochem Biophys** 1984 Jan;228(1):373–6

Binding of environmental carcinogens to asbestos and mineral fibres. Harvey G, et al. **Br J Ind Med** 1984 Aug; 41(3):396–400

Asbestos in drinking water: a status report. Cotruvo JA. **Environ Health Perspect** 1983 Nov;53:181–3

Engineering and operating approaches for controlling asbestos fibers in drinking water. Logsdon GS. **Environ Health Perspect** 1983 Nov;53:169–76

How are the physical and chemical properties of chrysotile asbestos altered by a 10–year residence in water and up to 5 days in simulated stomach acid? Seshan K. **Environ Health Perspect** 1983 Nov;53:143–8

Development of a mathematical model for predicting concentrations of small asbestos fibers. Buchan RM, et al. **Environ Res** 1984 Apr;33(2):296–9

Pulmonary cytology in chrysotile asbestos workers. Kobusch AB, et al. **J Chronic Dis** 1984;37(8):599–607

[Hygienic significance of submicroscopic fractions of asbestos dust in occupational and domestic environments] Kolev K. **Gig Sanit** 1983 Dec;(12):50–1 **(Rus)**

ADMINISTRATION & DOSAGE

Relative source contributions of diet and air to ingested asbestos exposure. Rowe JN. **Environ Health Perspect** 1983 Nov;53:115–20

ADVERSE EFFECTS

Cytologic and tissue culture characteristics of asbestos–induced mesothelioma in rats. Whitaker D, et al. **Acta Cytol (Baltimore)** 1984 Mar–Apr;28(2):185–9

In vitro and in vivo response after exposure to man–made mineral and asbestos insulation fibers. Pickrell JA, et al. **Am Ind Hyg Assoc J** 1983 Aug;44(8):557–61

Asbestos link to lymphoid neoplasms still just a hypothesis [letter] Silcocks P. **Am J Clin Pathol** 1984 Mar;81(3):410

A case–control study of asbestos in drinking water and cancer risk. Polissar L, et al. **Am J Epidemiol** 1984 Mar; 119(3):456–71

Commentary: Exposure and mortality among chrysotile asbestos workers. American Journal of Industrial Medicine 4:421–433, 1983. Finkelstein MM. **Am J Ind Med** 1984; 5(5):407–10

S fibers [letter] Greenberg M. **Am J Ind Med** 1984;5(5):421–2

Decreased lung function in long–term asbestos cement workers: a cross–sectional study. Ohlson CG, et al. **Am J Ind Med** 1984;5(5):359–66

Pleural mesothelioma after a short interval from first exposure in the wine filter industry. Scansetti G, et al. **Am J Ind Med** 1984;5(4):335–9

Radiographic abnormalities among asbestos–cement workers. An exposure–response study. Finkelstein MM, et al. **Am Rev Respir Dis** 1984 Jan;129(1):17–22

Mortality among employees of an Ontario asbestos–cement factory. Finkelstein MM. **Am Rev Respir Dis** 1984 May; 129(5):754–61

Cigarette smoke, asbestos, and small irregular opacities. Weiss W. **Am Rev Respir Dis** 1984 Aug;130(2):293–301 (54 ref.)

Asbestos–related mesothelioma: epidemiological evidence for asbestos as a promoter. Browne K. **Arch Environ Health** 1983 Sep–Oct;38(5):261–6

Bronchoalveolar lavage in asbestosis. Rebuck AS, et al. **Arch Intern Med** 1983 May;143(5):950–2 (20 ref.)

Peritoneal plaques and asbestos exposure [letter] Andrion A, et al. **Arch Pathol Lab Med** 1983 Nov;107(11):609–10

Medicolegal aspects of asbestos for pathologists. Richman SI. **Arch Pathol Lab Med** 1983 Nov;107(11):557–61 (36 ref.)

Fibrogenesis by mineral fibres: an in–vitro study of the roles of the macrophage and fibre length. Aalto M, et al. **Br J Exp Pathol** 1984 Feb;65(1):91–9

Radiographic changes in a group of chrysotile miners and millers exposed to low asbestos dust concentrations. Cordier S, et al. **Br J Ind Med** 1984 Aug;41(3):384–8

Tobacco consumption and asbestos exposure in patients with lung cancer: a three year prospective study. Hillerdal G, et al. **Br J Ind Med** 1983 Nov;40(4):380–3

Dust exposure and mortality in an American chrysotile asbestos friction products plant. McDonald AD, et al. **Br J Ind Med** 1984 May;41(2):151–7

Dust exposure and mortality in an American factory using chrysotile, amosite, and crocidolite in mainly textile manufacture. McDonald AD, et al. **Br J Ind Med** 1983 Nov;40(4):368–74

Dust exposure and mortality in an American chrysotile textile plant. McDonald AD, et al. **Br J Ind Med** 1983 Nov; 40(4):361–7

Malignant mesothelioma: incidence, asbestos exposure, and reclassification of histopathology. Wright WE, et al. **Br J Ind Med** 1984 Feb;41(1):39–45

Mesothelioma due to domestic exposure to asbestos [letter] Browne K, et al. **Br Med J [Clin Res]** 1984 Jul 14; 289(6437):110–1

Classics in Oncology: Asbestos exposure and neoplasia. Selikoff IJ, et al. **CA** 1984 Jan–Feb;34(1):48–56

Pleural plaques and risk of cancer in Turin, northwestern Italy. An autopsy study. Mollo F, et al. **Cancer** 1984 Oct 1;54(7):1418–22

Non–asbestos–related malignant mesothelioma. A review. Peterson JT Jr, et al. **Cancer** 1984 Sep 1;54(5):951–60 (80 ref.)

Dependence of asbestos– and mineral dust–induced transformation of mammalian cells in culture on fiber dimension. Hesterberg TW, et al. **Cancer Res** 1984 May; 44(5):2170–80

Asbestos–associated diseases. Science, public policy, and litigation. Weill H. **Chest** 1983 Nov;84(5):601–8

Radiographic evaluation of asbestos–related chest disorders. Gefter WB, et al. **CRC Crit Rev Diagn Imaging** 1984; 21(2):133–81 (115 ref.)

Additional comments on the study of the effect of population density on the results of the California Bay area study. Conforti PM. **Environ Health Perspect** 1983 Nov;53:191–2
Effect of population density on the results of the study of water supplies in five California counties. Conforti PM. **Environ Health Perspect** 1983 Nov;53:69–78
Comments on the California studies. Cooper RC. **Environ Health Perspect** 1983 Nov;53:109–10
Epidemiologic basis for the asbestos standard. Enterline PE. **Environ Health Perspect** 1983 Oct;52:93–7
Comparing epidemiologic studies of ingested asbestos for use in risk assessment. Erdreich LS. **Environ Health Perspect** 1983 Nov;53:99–104
The San Francisco Bay epidemiology studies on asbestos in drinking water and cancer incidence: relationship to studies in other locations and pointers for further research. Kanarek MS. **Environ Health Perspect** 1983 Nov;53:105–6
Critical review of epidemiologic studies related to ingested asbestos. Marsh GM. **Environ Health Perspect** 1983 Nov; 53:49–56
Additional thoughts on the review of epidemiologic studies related to ingested asbestos. Marsh GM. **Environ Health Perspect** 1983 Nov;53:185–7
Assessment of studies on cancer risks from asbestos in Connecticut drinking water. Meigs JW. **Environ Health Perspect** 1983 Nov;53:107–8
Epidemiology study of the use of asbestos–cement pipe for the distribution of drinking water in Escambia County, Florida. Millette JR, et al. **Environ Health Perspect** 1983 Nov;53:91–8
Human cancer risk from ingested asbestos: a problem of uncertainty. Nicholson WJ. **Environ Health Perspect** 1983 Nov;53:111–3
Cancer risk from asbestos in drinking water: summary of a case–control study in western Washington. Polissar L, et al. **Environ Health Perspect** 1983 Nov;53:57–60
Additional notes on the case–control study in western Washington on the cancer risk from asbestos in drinking water. Polissar L, et al. **Environ Health Perspect** 1983 Nov; 53:189–90
Keynote address: potential of in vitro tests in asbestos–related problems. Selikoff IJ, et al. **Environ Health Perspect** 1983 Sep;51:1–4
Observations of cancer incidence surveillance in Duluth, Minnesota. Sigurdson EE. **Environ Health Perspect** 1983 Nov;53:61–7
Answers to some questions raised by the presentation on the graphical analysis of the interrelationships between waterborne asbestos, digestive system cancer and population density. Tarter ME. **Environ Health Perspect** 1983 Nov;53:193–4
A graphical analysis of the interrelationships among waterborne asbestos, digestive system cancer and population density. Tarter ME, et al. **Environ Health Perspect** 1983 Nov;53:79–89
Asbestos in drinking water: a Canadian view. Toft P, et al. **Environ Health Perspect** 1983 Nov;53:177–80
Mesothelioma in pet dogs associated with exposure of their owners to asbestos. Glickman LT, et al. **Environ Res** 1983 Dec;32(2):305–13
A comparison of the effects of exposure of baboons to crocidolite and fibrous–glass dusts. Goldstein B, et al. **Environ Res** 1983 Dec;32(2):344–59
The effects of chrysotile and crocidolite asbestos on the lower respiratory tract: analysis of bronchoalveolar lavage constituents. Kagan E, et al. **Environ Res** 1983 Dec; 32(2):382–97
Pleural plaques at autopsy, smoking habits, and asbestos exposure. Andrion A, et al. **Eur J Respir Dis** 1984 Feb; 65(2):125–30
Epidemiological studies on ingested asbestos. Hopkins J. **Food Chem Toxicol** 1984 Feb;22(2):179–81
Developments in asbestos–related disease. Massey DG. **Hawaii Med J** 1984 Jun;43(6):182–4 (10 ref.)
Morphology of small–airway lesions in patients with asbestos exposure. Wright JL, et al. **Hum Pathol** 1984 Jan; 15(1):68–74
Cancer in a factory using amosite asbestos. Acheson ED, et al. **Int J Epidemiol** 1984 Mar;13(1):3–10
Asbestos exposure [letter] Hartford WH. **J Air Pollut Control Assoc** 1983 Sep;33(9):820
Behavioral, attitudinal, and physiologic characteristics of smoking and nonsmoking asbestos–exposed shipyard workers. Li VC, et al. **J Occup Med** 1983 Dec; 25(12):864–70
The health of welders in naval dockyards. The risk of asbestos–related diseases occurring in welders. McMillan GH. **J Occup Med** 1983 Oct;25(10):727–30
Tobacco and asbestos: consistent treatment advocated [editorial] Silverstein M, et al. **J Occup Med** 1983 Sep; 25(9):694–5
Mesothelioma in Connecticut, 1955–1977. Occupational and geographic associations. Teta MJ, et al. **J Occup Med** 1983 Oct;25(10):749–56
Declining relative risks for lung cancer after cessation of asbestos exposure. Walker AM. **J Occup Med** 1984 Jun; 26(6):422–6
The epidemiology of mesothelioma. Browne K. **J Soc Occup Med** 1983 Oct;33(4):190–4
Landmark article April 6, 1964: Asbestos exposure and neoplasia. By Irving J. Selikoff, Jacob Churg, and E. Cuyler Hammond. **JAMA** 1984 Jul 6;252(1):91–5
Landmark perspective: Asbestos. An industrial asset with a health cost. Barclay WR. **JAMA** 1984 Jul 6;252(1):96
Pleural mesothelioma and neighborhood asbestos exposure. Findings from microchemical analysis of lung tissue. Fischbein A, et al. **JAMA** 1984 Jul 6;252(1):86–7
Asbestos and the pathologist [editorial] **Lancet** 1984 Feb 4; 1(8371):262
Man–made mineral fibres—a safe alternative to asbestos? [editorial] **Lancet** 1983 Nov 12;2(8359):1125
Long fibre asbestos in a chrysotile textile worker [letter] Churg A, et al. **Lancet** 1984 Apr 14;1(8381):845
Exposure to asbestos versus organic fibrous dusts [letter] Clarke GD, et al. **Lancet** 1983 Dec 17;2(8364):1423–4
Mesothelioma among sugar refinery workers [letter] Steineck G, et al. **Lancet** 1983 Dec 24–31;2(8365–66):1503
Compensable asbestos–related disease in New South Wales. Barnes R. **Med J Aust** 1983 Sep 3;2(5):221–4
Talc and mesothelioma. Ng TK. **Med J Aust** 1984 Apr 14; 140(8):452–3
Relative cancer risks from exposure to different asbestos fibre types. Howard JK. **NZ Med J** 1984 Sep 26;97(764):646–9 (41 ref.)
Asbestos exposure. An update on pleuropulmonary hazards. Varkey B. **Postgrad Med** 1983 Oct;74(4):93–9, 102–3
Asbestos–related diseases. Newhouse ML. **Practitioner** 1983 Sep;227(1383):1399–411
Port Allegany Asbestos Health Program: a community response to a public health problem. Holstein EC, et al. **Public Health Rep** 1984 Mar–Apr;99(2):193–9
Subpleural fat pads in patients exposed to asbestos: distinction from non–calcified pleural plaques. Sargent EN, et al. **Radiology** 1984 Aug;152(2):273–7
131I macro–aggregated albumin perfusion scanning and chest radiography in asbestos exposure. Sluis–Cremer GK, et al. **S Afr Med J** 1984 Sep 1;66(9):334–6
Medico–legal aspects of malignant mesothelioma. Mowé G, et al. **Scand J Soc Med** 1984;12(1):15–23
Mortality and morbidity of Swedish insulation workers [letter] Sandén A, et al. **Scand J Work Environ Health** 1984 Jun;10(3):207
Rarity of mineral fibre pleurisy among persons exposed to Finnish anthophyllite and with low risk of mesothelioma. Hillerdal G, et al. **Thorax** 1984 Aug;39(8):608–11
Evidence for longer survival of patients with pleural mesothelioma without asbestos exposure. Law MR, et al. **Thorax** 1983 Oct;38(10):744–6
Diffuse pleural thickening in asbestos workers: disability and lung function abnormalities. McGavin CR, et al. **Thorax** 1984 Aug;39(8):604–7
Asbestos–related fibrin formation in human plasma. Losito R, et al. **Thromb Res** 1984 May 15;34(4):311–9
First report of asbestos–related diseases in Hong Kong. Lam WK, et al. **Trop Geogr Med** 1983 Sep;35(3):225–9
[Thoracic radiological study of asbestos workers] Yu XP, et al. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1984 Jan; 18(1):42–4 (Eng. Abstr.) **(Chi)**
[Fiber minerals causing disease] Huuskonen MS, et al. **Duodecim** 1984;100(4):197–205 **(Fin)**
[Myeloproliferative syndrome followed by mesothelioma after exposure to asbestos (letter)] Vacherot B, et al. **Presse Med** 1983 Dec 3;12(44):2824 **(Fre)**
[Asbestos and the environment] Fredy M. **Sem Hop Paris** 1983 Sep 1;59(29–30):2100–2 (Eng. Abstr.) **(Fre)**
[Evaluation of the degree of protection provided by a cartridge–mask system during working with asbestos] Cuendet PA, et al. **Soz Praventivmed** 1984;29(1):42–3 (Eng. Abstr.) **(Fre)**
[Mesothelioma as an index tumor of the occupational hazard of asbestos dust] Woitowitz HJ, et al. **Dtsch Med Wochenschr** 1984 Mar 9;109(10):363–8 (Eng. Abstr.) **(Ger)**
[Asbestos as an environmental problem] Haeberlin HL, et al. **Off Gesundheitswes** 1984 Aug;46(8):352–6 **(Ger)**
[Malignant diseases of the respiratory organs caused by asbestos exposure in municipal environment] Sturm W. **Z Erkr Atmungsorgane** 1983;161(3):240–7 (Eng. Abstr.) **(Ger)**
[Substitute materials for asbestos] Mayer P. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1983 Sep;33(9):282–8 **(Ger)**
[Exposure to asbestos and lymphoid neoplasms] Spanedda R, et al. **Med Lav** 1983 Jul–Aug;74(4):295–301 (Eng. Abstr.) **(Ita)**
[Effect of asbestos on lymphoid cell functions. 1. The NK cell activity and its relation to interferon and asbestos] Kubota M. **Nippon Eiseigaku Zasshi** 1983 Jun;38(2):623–31 (Eng. Abstr.) **(Jpn)**
[Asbestos and disease: introduction to the problem in Brazil] Riani Costa JL, et al. **AMB** 1983 Jan–Feb;29(1–2):18–21 (Eng. Abstr.) **(Por)**
[Occupational hygiene and health status of workers of an asbestos cement plant] Balashov VA, et al. **Gig Tr Prof Zabol** 1983 Sep;(9):8–12 (Eng. Abstr.) **(Rus)**
[Morphological characteristics of experimental peritoneal and pleural mesotheliomas caused by crocidolite asbestos] Kolev K, et al. **Gig Tr Prof Zabol** 1984 Jan;(1):31–4 (Eng. Abstr.) **(Rus)**
[Hygienic characteristics of working conditions in the manufacture of asbestos–cement slag cotton products] Kosolapova AV, et al. **Gig Tr Prof Zabol** 1984 Apr; (4):49–51 **(Rus)**
[Asbestos! (editorial)] Rodríguez–Roisin R. **Med Clin (Barc)** 1983 Nov 26;81(17):761–2 **(Spa)**

ANALYSIS

Asbestos bodies in fine needle aspirates of the lung. Roggli VL, et al. **Acta Cytol (Baltimore)** 1984 Jul–Aug;28(4):493–8
An evaluation of the precision and accuracy of the direct transfer method for the analysis of asbestos fibers with comparison to the NIOSH method. Pang TW, et al. **Am Ind Hyg Assoc J** 1984 May;45(5):329–35
Fiber size and number in amphibole asbestos–induced mesothelioma. Churg A, et al. **Am J Pathol** 1984 Jun; 115(3):437–42
Mass concentrations of airborne asbestos in the non–occupational environment—a preliminary report of U.K. measurements. Burdett GJ, et al. **Ann Occup Hyg** 1984;28(1):31–8
Determination of mineral fibre in human lung tissue by light microscopy and transmission electron microscopy. Rogers AJ. **Ann Occup Hyg** 1984;28(1):1–12
Optical determination of coated and uncoated mineral fibers in lungs of subjects without professional exposure. Mollo F, et al. **Appl Pathol** 1983;1(5):276–82
Fibre type and concentration in the lungs of workers in an asbestos cement factory. Gylseth B, et al. **Br J Ind Med** 1983 Nov;40(4):375–9
Asbestos in water supplies of the United States. Millette JR, et al. **Environ Health Perspect** 1983 Nov;53:45–8
Measurement and analysis of chemically changed mineral fibers after experiments in vitro and in vivo. Spurny KR. **Environ Health Perspect** 1983 Sep;51:343–55
Asbestos content in lungs of occupationally and nonoccupationally exposed individuals. Dodson RF, et al. **JAMA** 1984 Jul 6;252(1):68–71
Analysis of fibres recovered from lung tissue. Johnson NF, et al. **Lung** 1984;162(1):37–47
The relation of asbestos burden to asbestosis and lung cancer. Warnock ML, et al. **Pathol Annu** 1983;18 Pt 2:109–45
[Asbestos—quantitative determination using infrared spectroscopy] Radulescu N. Z **Gesamte Hyg** 1983 Nov; 29(11):682–3 (Eng. Abstr.) **(Ger)**
[Suitability of published measurements of asbestos dust in the work area for the evaluation of industrial medicine risk] Arhelger R, et al. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1983 Sep;33(9):274–81 (Eng. Abstr.) **(Ger)**
[Dimensional limits of respirable asbestos fiber: discussion and proposals] Patroni M. **Med Lav** 1983 Nov–Dec; 74(6):482–91 (Eng. Abstr.) **(Ita)**
[Identification of crystalline phases and various metal content of fibrous minerals (Polish asbestos) found in nickel ore deposits] Więcek E. **Med Pr** 1983;34(3):235–44 (Eng. Abstr.) **(Pol)**

HISTORY

Asbestos: historical perspective. Garfinkel L. **CA** 1984 Jan–Feb;34(1):44–7

ISOLATION & PURIFICATION

Asbestos found in New York talc [letter] Dunn JR. **Am Ind Hyg Assoc J** 1984 Apr;45(4):B8–9
Identification and counting of asbestos fibers. Taylor DG, et al. **Am Ind Hyg Assoc J** 1984 Feb;45(2):84–8
The distribution and characteristics of asbestos fibers in the lungs of Finnish anthophyllite mine–workers. Morgan A, et al. **Environ Res** 1984 Feb;33(1):62–75
Method for removing the ferruginous coating from asbestos bodies. Dodson RF, et al. **J Toxicol Environ Health** 1983 Apr–Jun;11(4–6):959–66

METABOLISM

In vitro biodegradation of chrysotile fibres by alveolar macrophages and mesothelial cells in culture: comparison with a pH effect. Jaurand MC, et al. **Br J Ind Med** 1984 Aug;41(3):389–95
Review of published studies on gut penetration by ingested asbestos fibers. Cook PM. **Environ Health Perspect** 1983 Nov;53:121–30
Asbestos penetration of the gastrointestinal tract. Hallenbeck WH. **Environ Health Perspect** 1983 Nov;53:153–4
Transmigration of ingested asbestos. Meek ME. **Environ Health Perspect** 1983 Nov;53:149–52
Accumulation of ingested asbestos fibers in rat tissues over time. Patel–Mandlik K, et al. **Environ Health Perspect** 1983 Nov;53:197–200
Interactions of asbestos fibers with hepatocytes in vitro: an ultrastructural study. Fleury J, et al. **Toxicol Lett** 1983 Oct–Nov;19(1–2):15–22

PHARMACODYNAMICS

Chemiluminescence of asbestos–activated macrophages. Donaldson K, et al. **Br J Exp Pathol** 1984 Feb;65(1):81–90
Chemotactic factor generation by asbestos. Fibre type differences and the effects of leaching. Yano E, et al. **Br J Exp Pathol** 1984 Apr;65(2):223–9
A spin label study of the effect of chrysotile asbestos on erythrocyte membranes. Gendek E, et al. **Br J Ind Med** 1984 Feb;41(1):46–50
Enhanced interleukin activity following asbestos inhalation. Hartmann DP, et al. **Clin Exp Immunol** 1984 Mar;

55(3):643–50
Proliferation stimulating effects of chrysotile and crocidolite asbestos fibres on B lymphocyte cell lines. Ueki A, et al. **Clin Exp Immunol** 1984 May;56(2):425–30
Effects of chrysotile on a lysosomal enzyme preparation and on the hydrolytic enzyme activity of cultured alveolar macrophages. Desai R, et al. **Environ Health Perspect** 1983 Sep;51:125–30
Suppression of the neutral protease activity of macrophages treated with asbestos in vitro. Hamilton JA. **Environ Health Perspect** 1983 Sep;51:103–8
Presentation of benzo(a)pyrene to microsomal enzymes by asbestos fibers in the Salmonella/mammalian microsome mutagenicity test. Szyba K, et al. **Environ Health Perspect** 1983 Sep;51:337–41
Cytotoxic effect of asbestos on macrophages in different activation states. Wright A, et al. **Environ Health Perspect** 1983 Sep;51:147–52
Asbestos-induced chemiluminescence response of human polymorphonuclear leukocytes. Rola-Pleszczynski M, et al. **Environ Res** 1984 Feb;33(1):1–6
Enhanced alveolar macrophage Ia antigen expression after asbestos inhalation. Hartmann DP, et al. **J Immunol** 1984 Jun;132(6):2693–5
Asbestos-related increase in pulmonary levels of vasoactive intestinal peptide (VIP). Day R, et al. **Life Sci** 1983 Nov 7;33(19):1869–76
[Biological effects of mineral fibers on lymphocytes in vitro. Comparative studies of asbestos and glass fibers] Nakatani Y. **Sangyo Igaku** 1983 Sep;25(5):375–86 (Eng. Abstr.) **(Jpn)**

POISONING

Lung function among asbestos cement factory workers: cross-sectional and longitudinal study. Siracusa A, et al. **Am J Ind Med** 1984;5(4):315–25
Health hazards of asbestos: charting a path for Israel. Goldsmith JR. **Isr J Med Sci** 1984 Feb;20(2):98–100
Asbestos exposure in Israel: findings, issues and needs. Richter ED. **Isr J Med Sci** 1984 Feb;20(2):89–97 (59 ref.)

STANDARDS

Getting to the very fiber of industrial asbestos removal. Ewing WM Jr, et al. **Occup Health Saf** 1984 Jun;:29–33, 60, 68

TOXICITY

In vitro and in vivo response after exposure to man-made mineral and asbestos insulation fibers (letter). Mirer FE. **Am Ind Hyg Assoc J** 1983 Dec;44(12):B64
Retired and former asbestos workers in Hawaii. Fournier-Massey G, et al. **Am J Ind Med** 1984;6(2):139–53
Early cellular and biochemical alveolar responses following intra-tracheal inoculation with low dose of asbestos and quartz. Le Maho S, et al. **Arch Immunol Ther Exp (Warsz)** 1984;32(1):85–98
The effect of fibre size on the in vivo activity of UICC crocidolite. Wagner JC, et al. **Br J Cancer** 1984 Apr; 49(4):453–8
Intrapulmonary distribution of inhaled chrysotile and crocidolite asbestos: ultrastructural features. Oghiso Y, et al. **Br J Exp Pathol** 1984 Aug;65(4):467–84
Xeroderma pigmentosum fibroblasts are more sensitive to asbestos fibers than are normal human fibroblasts. Yang LL, et al. **Carcinogenesis** 1984 Feb;5(2):291–4
Occupational lung disease—past record and future trend using the asbestos case as an example. Becklake MR. **Clin Invest Med** 1983;6(4):305–17
Biological in vitro and in vivo responses of chrysotile versus amphiboles. Bignon J, et al. **Environ Health Perspect** 1983 Sep;51:73–80 (65 ref.)
Interactions of chrysotile asbestos with erythrocyte membranes. Brody AR, et al. **Environ Health Perspect** 1983 Sep;51:85–9
Asbestos affects the in vitro uptake and detoxification of aromatic compounds. Brown RC, et al. **Environ Health Perspect** 1983 Sep;51:315–8
Effect of asbestos on the metabolism of vasoactive substances in isolated perfused guinea pig lungs. Cadieux A, et al. **Environ Health Perspect** 1983 Sep;51:287–91
Characterization of cytotoxic effect of asbestos on normal human fibroblasts. Chang MJ, et al. **Environ Health Perspect** 1983 Sep;51:237–9
Effects of chrysotile co-exposure on BaP binding in normal human fibroblasts. Chang MJ, et al. **Environ Health Perspect** 1983 Sep;51:241–4
Correlation of in vitro and in vivo methods by means of mass dose and fiber distribution for amosite and fibrous ferroactinolite. Coffin DL, et al. **Environ Health Perspect** 1983 Sep;51:49–53
Review of published studies of orally administered asbestos. Condie LW. **Environ Health Perspect** 1983 Nov;53:3–9 (18 ref.)
In vitro assessment of asbestos genotoxicity. Daniel FB. **Environ Health Perspect** 1983 Nov;53:163–7 (49 ref.)
Factors involved in the cytotoxicity of UICC amosite towards macrophages. Davies R, et al. **Environ Health Perspect** 1983 Sep;51:245–8
Interactions of asbestos-activated macrophages with an experimental fibrosarcoma. Donaldson K, et al. **Environ Health Perspect** 1983 Sep;51:97–101
Some observations on the in vitro cytotoxicity of chrysotile prepared by the wet dispersion process. Gormley IP, et al. **Environ Health Perspect** 1983 Sep;51:35–9
Asbestos fibers, plasma and inflammation. Hamilton JA. **Environ Health Perspect** 1983 Sep;51:281–5
Pulmonary toxicology of silica, coal and asbestos. Heppleston AG. **Environ Health Perspect** 1984 Apr;55:111–27 (197 ref.)
Comparative toxicities of different forms of asbestos on rat pleural mesothelial cells. Jaurand MC, et al. **Environ Health Perspect** 1983 Sep;51:153–8
Studies on in vitro chrysotile-pleural mesothelial cell interaction: morphological aspects and metabolism of benzo-3,4-pyrene. Jaurand MC, et al. **Environ Health Perspect** 1983 Sep;51:159–65
Effect of asbestos on the P388D1 macrophagelike cell line: preliminary ultrastructural observations. Johnson NF, et al. **Environ Health Perspect** 1983 Sep;51:109–17
Morphological transformation in vitro of normal human fibroblasts by chrysotile. Joseph LB, et al. **Environ Health Perspect** 1983 Sep;51:17–22
Effect of chrysotile asbestos and silica on the microsomal metabolism of benzo(a)pyrene. Kandaswami C, et al. **Environ Health Perspect** 1983 Sep;51:311–4
Chronic effects of dietary exposure to amosite asbestos and tremolite in F344 rats. McConnell EE, et al. **Environ Health Perspect** 1983 Nov;53:27–44
Chronic effects of dietary exposure to amosite and chrysotile asbestos in Syrian golden hamsters. McConnell EE, et al. **Environ Health Perspect** 1983 Nov;53:11–25
Effects of crocidolite and chrysotile asbestos on cellular uptake and metabolism of benzo(a)pyrene in hamster tracheal epithelial cells. Mossman BT, et al. **Environ Health Perspect** 1983 Sep;51:331–5
In vitro approaches for determining mechanisms of toxicity and carcinogenicity by asbestos in the gastrointestinal and respiratory tracts. Mossman BT. **Environ Health Perspect** 1983 Nov;53:155–61 (39 ref.)
Effect of intrabronchially instilled amosite on lavagable lung and pleural cells. Oberdoerster G, et al. **Environ Health Perspect** 1983 Sep;51:41–8
Interaction of erythrocyte membranes with particulates. Ottolenghi AC, et al. **Environ Health Perspect** 1983 Sep; 51:253–6
Study of the cell-transforming ability of amosite and crocidolite asbestos and the ability to induce changes in the metabolism and macromolecular binding of benzo(a)pyrene in C3H10T1/2 cells. Poole A, et al. **Environ Health Perspect** 1983 Sep;51:319–24
Interactions of chrysotile and benzopyrene in a human cell culture systems. Stephens RE, et al. **Environ Health Perspect** 1983 Sep;51:257–65
Cell-mediated cytotoxicity expressed by lymphoid cells from rats with asbestos-induced peritoneal mesothelioma towards rat fetal cell. Stevens RH, et al. **Environ Health Perspect** 1983 Sep;51:91–6
Thermal modification of chrysotile asbestos: evidence for decreased cytotoxicity. Valentine R, et al. **Environ Health Perspect** 1983 Sep;51:357–68
Interaction of asbestos with metaplastic squamous epithelium developing in organ cultures of hamster trachea. Woodworth CD, et al. **Environ Health Perspect** 1983 Sep; 51:27–33
Cytotoxic effect of asbestos on macrophages in different activation states. Wright A, et al. **Environ Health Perspect** 1983 Sep;51:147–52
Acute lung response to amosite asbestos: a morphological study. Dodson RF, et al. **Environ Res** 1983 Oct;32(1):80–90
Surface area of asbestos dusts in relation to hemolysis of mammalian erythrocytes & macrophage adherence. Kaw JL, et al. **Indian J Exp Biol** 1983 Jul;21(7):379–82
Measurement of beta-glucuronidase in effluent of perifused alveolar macrophages challenged with chemically modified chrysotile asbestos. Forget G, et al. **Inflammation** 1984 Jun; 8(2):123–41
Pulmonary cytology in chrysotile asbestos workers. Kobusch AB, et al. **J Chronic Dis** 1984;37(8):599–607
Sources and interpretation of asbestos exposure data. Gough M. **J Toxicol Clin Toxicol** 1983–84;21(1–2):211–35
Modification of the in vitro activities of amosite asbestos by surface derivatization. Evans PH, et al. **J Toxicol Environ Health** 1983 Apr–Jun;11(4–6):535–43
Hemolysis by chrysotile asbestos fibers. I. Influence of the sialic acid content in human, rat, and sheep red blood cell membranes. Pelé JP, et al. **J Toxicol Environ Health** 1983 Oct–Dec;12(4–6):827–40
Interactions of chrysotile and crocidolite asbestos with red blood cell membranes. Chrysotile binds to sialic acid. Brody AR, et al. **Lab Invest** 1983 Oct;49(4):468–75
Standards for asbestos exposure [letter] Stack N. **Lancet** 1983 Dec 17;2(8364):1424
Chromosomal aberrations induced by chrysotile and crocidolite in human lymphocytes in vitro. Valerio F, et al. **Mutat Res** 1983 Dec;122(3–4):397–402
Mast cells and inhalation of asbestos in rats. Wagner MM, et al. **Thorax** 1984 Jul;39(7):539–44
Bone marrow alterations induced in mice with inhalation of chrysotile asbestos. Boorman GA, et al. **Toxicol Appl Pharmacol** 1984 Jan;72(1):148–58
Cytotoxic effects of aramid fibres on rat pulmonary macrophages: comparison with chrysotile asbestos. Dunnigan J, et al. **Toxicol Lett** 1984 Mar;20(3):277–82
[Comparative fibrogenicity of carbon fibers and asbestos] Troitskaia NA, et al. **Gig Sanit** 1984 Jun;(6):18–20 (Eng. Abstr.) **(Rus)**

URINE

Use of quantitative analysis of urine to assess exposure to asbestos fibers in drinking water in the Puget Sound region. Boatman ES, et al. **Environ Health Perspect** 1983 Nov; 53:131–41
Additional notes on the use of quantitative analysis of urine to assess exposure to asbestos fibers in drinking water in the Puget Sound region. Boatman ES. **Environ Health Perspect** 1983 Nov;53:195

ASBESTOSIS

COMPLICATIONS

Tumor markers and neurological signs in asbestosis patients. Järvisalo J, et al. **Am J Ind Med** 1984;6(2):159–66
Asbestosis and tuberculosis. Segarra-Obiol F, et al. **Am J Ind Med** 1983;4(6):755–7
Ventilatory failure due to asbestos pleurisy. Miller A, et al. **Am J Med** 1983 Dec;75(6):911–9
[A case of asbestosis with exudative pleurisy and severe glomerulonephritis] Nakano H, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1984 Mar; 22(3):229–35 (Eng. Abstr.) **(Jpn)**
[Case of rheumatoid arthritis with high fever, interstitial pneumonia and bilateral pleurisy associated with asbestosis] Shioya N, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Sep;21(9):890–5 (Eng. Abstr.) **(Jpn)**
[Multiple myeloma associated with asbestosis] Takada K, et al. **Rinsho Ketsueki** 1983 Oct;24(10):1398–402 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Crackles in the early detection of asbestosis. Murphy RL Jr, et al. **Am Rev Respir Dis** 1984 Mar;129(3):375–9
Medicolegal aspects of asbestos for pathologists. Richman SI. **Arch Pathol Lab Med** 1983 Nov;107(11):557–61 (36 ref.)
Incipient cases of asbestosis in a Kenyan factory. Sakari WD, et al. **East Afr Med J** 1983 Nov;60(11):748–54
Symposium: Lung disease induced by asbestos and other mineral fibres. **Eur J Respir Dis [Suppl]** 1983;126:395–408
131I macro-aggregated albumin perfusion scanning and chest radiography in asbestos exposure. Sluis-Cremer GK, et al. **S Afr Med J** 1984 Sep 1;66(9):334–6
[Ultrasonic diagnosis of pleural changes in asbestosis] Burilkov T, et al. **Vutr Boles** 1983;22(5):90–3 (Eng. Abstr.) **(Bul)**
[Pericardial calcifications. The initial sign of asbestosis (letter)] Sagez JR, et al. **Presse Med** 1984 Apr 7; 13(15):940–1 **(Fre)**
[The use of scanning electron microscopy (SEM) and microanalysis for the detection of crystalline or amorphous particles in the pulmonary parenchyma] Pierini G. **G Ital Med Lav** 1982 Nov;4(6):279–82 (Eng. Abstr.) **(Ita)**

DRUG THERAPY

[Clinical observation on the treatment of asbestosis by 'activating blood circulation and removing stasis'] Chen TJ. **Chung Hsi I Chieh Ho Tsa Chih** 1983 Jul;3(4):216–7 **(Chi)**

ENZYMOLOGY

Collagenolytic activity from circulating polymorphonuclear leucocytes of patients with asbestosis. Lemaire I, et al. **Experientia** 1984 Jul 15;40(7):736–7

ETIOLOGY

Health hazards of asbestos: charting a path for Israel. Goldsmith JR. **Isr J Med Sci** 1984 Feb;20(2):98–100
Asbestos exposure in Israel: findings, issues and needs. Richter ED. **Isr J Med Sci** 1984 Feb;20(2):89–97 (59 ref.)
Long fibre asbestos in a chrysotile textile worker [letter] Churg A, et al. **Lancet** 1984 Apr 14;1(8381):845
Unexpected occupational exposure to asbestos. Barnes R, et al. **Med J Aust** 1984 Apr 14;140(8):488–90
Asbestosis and old incubators [letter] Fuenfer MM. **Pediatrics** 1984 Apr;73(4):571–2
Asbestos exposure. An update on pleuropulmonary hazards. Varkey B. **Postgrad Med** 1983 Oct;74(4):93–9, 102–3
First report of asbestos-related diseases in Hong Kong. Lam WK, et al. **Trop Geogr Med** 1983 Sep;35(3):225–9
[Asbestosis. A new source of contamination (letter)] Mathieu M, et al. **Presse Med** 1984 Jan 28;13(3):170 **(Fre)**
[Comparison of data of respiratory function tests and pulmonary radiology images. Apropos of 106 subjects exposed to asbestos] Boulier A, et al. **Rev Fr Mal Respir** 1980;8(3):211–8 (Eng. Abstr.) **(Fre)**
[Asbestos as an environmental problem] Haeberlin HL, et al. **Off Gesundheitswes** 1984 Aug;46(8):352–6 **(Ger)**
[Asbestos and disease: introduction to the problem in Brazil] Riani Costa JL, et al. **AMB** 1983 Jan–Feb;29(1–2):18–21 (Eng. Abstr.) **(Por)**

FAMILIAL & GENETIC

[Pleural calcinosis in family members of asbestos workers] Braaker J, et al. **Praxis** 1983 Oct 25;72(43):1359–60 (Eng.

Abstr.) (Ger)

HISTORY

Asbestos: historical perspective. Garfinkel L. CA 1984 Jan–Feb;34(1):44–7

IMMUNOLOGY

Immunological aspects of asbestosis: patients' neurological signs and asbestosis progression. Huuskonen MS, et al. Am J Ind Med 1984;5(6):461–9

HLA-A and B antigen frequencies and mesothelioma in relation to asbestos exposure. Wagner MM, et al. Br J Cancer 1983 Nov;48(5):727–30

Asbestos-induced lung inflammation. Role of local macrophage-derived chemotactic factors in accumulation of neutrophils in the lungs. Rola-Pleszczynski M, et al. Inflammation 1984 Mar;8(1):53–62

Immunologic aberrations in asbestos cement workers: dissociation from asbestosis. deShazo RD, et al. J Allergy Clin Immunol 1983 Nov;72(5 Pt 1):454–61

Humoral immunologic abnormalities in workers exposed to asbestos cement dust. Doll NJ, et al. J Allergy Clin Immunol 1983 Nov;72(5 Pt 1):509–12

Serum interferon levels and natural killer cell activity in patients with asbestosis. Kagamimori S, et al. Thorax 1984 Jan;39(1):65–6

[Relation between the HLA system and the development of asbestosis fibrosis in a group of workers exposed to asbestos] Vergnaud MC, et al. Poumon Coeur 1983; 39(6):283–6 (Eng. Abstr.) (Fre)

[Effect of asbestos on lymphoid cell functions. 2. NK cell activity and its relation to ADCC and interferon in asbestosis] Kubota M. Nippon Eiseigaku Zasshi 1983 Jun; 38(2):632–41 (Eng. Abstr.) (Jpn)

METABOLISM

Biochemical mechanisms in asbestos toxicity. Rahman Q, et al. Environ Health Perspect 1983 Sep;51:299–303

Biochemical components of bronchoalveolar lavage in early experimental asbestosis of the sheep: phospholipase A2 activity, prostaglandin E2 and proteins. Sirois P, et al. Environ Health Perspect 1983 Sep;51:293–8

Evidence for the activation of the kallikrein-kinin system in experimental asbestosis. Barabé J, et al. Res Commun Chem Pathol Pharmacol 1984 Apr;44(1):93–8

MORTALITY

Deaths from asbestos-related diseases [letter] Cooke KR. NZ Med J 1984 Mar 28;97(752):202

OCCURRENCE

Risk of asbestosis in crocidolite and amosite mines in South Africa: an erratum. Irwig LM, et al. Am J Ind Med 1984; 5(6):479–83

Asbestos hazards in Zimbabwe [letter] Mossop RT. Cent Afr J Med 1983 May;29(5):117–8

Asbestos in New York State. Vianna NJ. NY State J Med 1984 Mar;84(3 Pt 1):103–4

[Epidemiology of sequelae of asbestos dust inhalation in the chemical industry] Bittersohl G. Z Gesamte Hyg 1984 Jun; 30(6):319–20 (Eng. Abstr.) (Ger)

[Epidemiologic surveys and possibilities of the control of the health hazards of asbestos] Thriene B, et al. Z Gesamte Hyg 1983 Nov;29(11):684–6 (Eng. Abstr.) (Ger)

[The dockyard workers exposed to asbestos—a cross-sectional study] Sandén A, et al. Lakartidningen 1984 May 9;81(19):1959–62 (Swe)

PATHOLOGY

Asbestos bodies and particulate matter in sputum from former asbestos workers. An ultrastructural study. Dodson RF, et al. Acta Cytol (Baltimore) 1983 Nov–Dec;27(6):635–40

Generalized fibrosis associated with pulmonary asbestosis. Kobayashi H, et al. Acta Pathol Jpn 1983 Nov; 33(6):1223–31

Ferruginous bodies and the histologic evaluation of dust exposure. Crouch E, et al. Am J Surg Pathol 1984 Feb; 8(2):109–16

Bronchoalveolar lavage in asbestosis. Rebuck AS, et al. Arch Intern Med 1983 May;143(5):950–2 (20 ref.)

Asbestosis criteria [letter] Becklake MR. Arch Pathol Lab Med 1984 Feb;108(2):93

The relation of asbestos burden to asbestosis and lung cancer. Warnock ML, et al. Pathol Annu 1983;18 Pt 2:109–45

The early pathogenesis of asbestos-induced lung disease. Brody AR. Scan Electron Microsc 1984;(Pt 1):167–71

Pathology standards for asbestosis. Green FH, et al. Scand J Work Environ Health 1983 Apr;9(2 Spec No):162–8

[An autopsy case of pulmonary asbestosis complicated with secondary bronchitis and rheumatoid arthritis] Narita N, et al. Nippon Kyobu Shikkan Gakkai Zasshi 1983 Oct; 21(10):1000–6 (Eng. Abstr.) (Jpn)

[Histological observation of pleural plaque formation in an asbestos-exposed patient: an autopsy study] Shioya N, et al. Nippon Kyobu Shikkan Gakkai Zasshi 1983 Mar; 21(3):276–81 (Eng. Abstr.) (Jpn)

PHYSIOPATHOLOGY

Airway function in lifetime-nonsmoking older asbestos workers. Bégin R, et al. Am J Med 1983 Oct;75(4):631–8

Alteration in the low frequency lung sounds in respiratory disorders associated with crackles. Banham SW, et al. Eur J Respir Dis 1984 Jan;65(1):58–63

Small airways changes in workers exposed to asbestos. Cohen BM, et al. Respiration 1984;45(3):296–302

Pleural thickening and gas transfer in asbestosis. Cookson WO, et al. Thorax 1983 Sep;38(9):657–61

PREVENTION & CONTROL

The value of computerised axial tomography in the assessment of workers exposed to asbestos. Sluis-Cremer GK, et al. Am J Ind Med 1984;6(1):27–35

[Suitability of published measurements of asbestos dust in the work area for the evaluation of industrial medicine risk] Arhelger R, et al. Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie 1983 Sep;33(9):274–81 (Eng. Abstr.) (Ger)

[Substitute materials for asbestos] Mayer P. Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie 1983 Sep;33(9):282–8 (Ger)

RADIOGRAPHY

Roentgenographic evidence of asbestos exposure in a select population of railroad workers. Sepulveda MJ, et al. Am J Ind Med 1983;4(5):631–9

Calcified plaques on mediastinal pleural reflections associated with asbestos dust exposure: four case reports. Solomon A, et al. Am J Ind Med 1984;6(1):53–7

Radiographic assessment of pleuropulmonary disease in asbestos workers: posteroanterior, four view films, and computed tomograms of the thorax. Bégin R, et al. Br J Ind Med 1984 Aug;41(3):373–83

Radiographic changes in a group of chrysotile miners and millers exposed to low asbestos dust concentrations. Cordier S, et al. Br J Ind Med 1984 Aug;41(3):384–8

Computed tomography—a reliable diagnostic modality in pulmonary asbestosis. Sperber M, et al. Comput Radiol 1984 May–Jun;8(3):125–32

Pulmonary 'mainline' granulomatosis: talcosis secondary to intravenous heroin abuse with characteristic x-ray findings of asbestosis. Davis LL. J Natl Med Assoc 1983 Dec; 75(12):1225–8

Radiographic evidence of asbestos effects in American marine engineers. Jones RN, et al. J Occup Med 1984 Apr; 26(4):281–4

Asbestos-related pleural thickening: effect of threshold criteria on interpretation. Greene R, et al. Radiology 1984 Sep;152(3):569–73

[Thoracic radiological study of asbestos workers] Yu XP, et al. Chung Hua Yu Fang I Hsueh Tsa Chih 1984 Jan; 18(1):42–4 (Eng. Abstr.) (Chi)

[X-ray computed tomography in pleuropulmonary asbestos pathology] Fourio M, et al. J Radiol 1984 May;65(5):335–9 (Eng. Abstr.) (Fre)

[Computed tomographic studies of patients with asbestosis and silicosis] Raithel HJ, et al. Prax Klin Pneumol 1983 Oct;37(10):1119–29 (Eng. Abstr.) (Ger)

[Roentgen diagnosis of asbestos-induced pleural hyalinosis] Lange H, et al. Radiol Diagn (Berl) 1983;24(5):589–97 (Eng. Abstr.) (Ger)

[Radiographic view of asbestosis and respiratory functional correlations] Napolitano G, et al. Arch Monaldi 1983 Jul–Aug;38(4):119–28 (Eng. Abstr.) (Ita)

[Radiographic and xeroradiographic case finding in asbestosis] Caprotti M, et al. G Ital Med Lav 1983 Mar; 5(2):65–73 (Eng. Abstr.) (Ita)

[Computed tomography of asbestos-related pleural thickening] Saitoh N, et al. Nippon Kyobu Shikkan Gakkai Zasshi 1983 Nov; 21(11):1038–48 (Eng. Abstr.) (Jpn)

ASCARIASIS

Ascariasis of the gall bladder (a case report). Ahmed MN, et al. J Postgrad Med 1983 Apr;29(2):126B, 127–8

COMPLICATIONS

Lactose maldigestion in Ascaris-infected preschool children. Carrera E, et al. Am J Clin Nutr 1984 Feb;39(2):255–64

An unusual case of obstructive jaundice. Messer J, et al. Am J Gastroenterol 1984 Feb;79(2):152–3

Laboratory infection of primates with Ascaris suum to provide a model of allergic bronchoconstriction. Pritchard DI, et al. Clin Exp Immunol 1983 Nov;54(2):469–76

Ascaris-induced bronchoconstriction in primates experimentally infected with Ascaris suum ova. Richards IM, et al. Clin Exp Immunol 1983 Nov;54(2):461–8

Effect of Ascaris lumbricoides infestation on growth of children. Fernando MA, et al. Indian Pediatr 1983 Oct; 20(10):721–31

Caroli's disease with common duct stones and ascariasis. Juttijudata P, et al. J Clin Gastroenterol 1984 Apr; 6(2):143–4

Bilateral Toxocara optic neuropathy. Cox TA, et al. J Clin Neuro Ophthalmol 1983 Dec;3(4):267–74

Common bile duct perforation by roundworm. Sardar I, et al. J Indian Med Assoc 1984 Apr;82(4):136–8

Gastrografin treatment of intestinal obstruction due to Ascaris lumbricoides. Bar-Maor JA, et al. J Pediatr Surg 1984 Apr;19(2):174–6

Unusual cause of earache [letter] LaGrone DH. South Med J 1984 Apr;77(4):538

Biliary ascariasis. Venugopal S, et al. West Indian Med J 1984 Mar;33(1):45–7

[A case report of liver, heart and pulmonary artery ascariasis] Yuan SM. Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih 1984;2(1):52 (Chi)

[Small bowel volvulus caused by Ascaris lumbricoides in an infant] Krebs C, et al. Z Kinderchir 1983 Dec;38(6):417–8 (Eng. Abstr.) (Ger)

[Relations between food poisoning and ascariasis] Bodnár S, et al. Zentralbl Bakteriol Mikrobiol Hyg [B] 1983 Jan; 177(1–2):103–7 (Eng. Abstr.) (Ger)

[Hemobilia caused by Ascaris lumbricoides] Baiocchi N, et al. Bol Med Hosp Infant Mex 1984 May;41(5):291–3 (Eng. Abstr.) (Spa)

CONGENITAL

Some observations on the experimental infection of white mice with Toxocara canis. Awadalla HN, et al. J Egypt Soc Parasitol 1983 Dec;13(2):379–83

DIAGNOSIS

Serological diagnosis of toxocariasis: the use of larval antigens in the ELISA. Polderman AM, et al. Acta Leiden 1980 Dec;48:37–42

Toxocara canis endophthalmitis with low ELISA titer. Kielar RA. Ann Ophthalmol 1983 May;15(5):447–9

Comparison of counterimmunoelectrophoresis with indirect haemagglutination test in the detection of antibodies in rabbits experimentally infected with various species of ascarids. Lukeš S, et al. Folia Parasitol (Praha) 1984; 31(2):157–62

Ascaris lumbricoides in bile duct: endoscopic and radiologic demonstration by ERCP [letter] Pérez-Machado L, et al. Gastrointest Endosc 1983 Nov;29(4):329

Endoscopic documentation of Ascaris-induced acute pancreatitis. Winters C Jr, et al. Gastrointest Endosc 1984 Apr;30(2):83–4

Ascaris lumbricoides—the ubiquitous roundworm. Wijesinha SS. J R Army Med Corps 1984 Feb;130(1):31–3

Toxocariasis: a neglected entity. Clemett RS, et al. NZ Med J 1983 Jul 13;96(735):517–20

Use of a RAST technique with Ascaris suum allergen to detect A. lumbricoides infestation [letter] Macfarlane CM, et al. S Afr Med J 1984 Mar 24;65(12):454

Ocular Toxocara canis infection: clinical and experimental features. Watzke RC. Trans New Orleans Acad Ophthalmol 1983;:263–71

Ocular toxocariasis. Tuft SJ, et al. Trans Ophthalmol Soc NZ 1983;35:69–72

[A case from medical practice] Vonesch HJ. Schweiz Rundsch Med Prax 1984 May 22;73(21):681–2 (Ger)

DRUG THERAPY

Albendazole, an effective single dose, broad spectrum anthelmintic drug. Ramalingam S, et al. Am J Trop Med Hyg 1983 Sep;32(5):984–9

Anthelmintic activity of ivermectin in pigs naturally infected with Ascaris and Trichuris. Schillhorn van Veen TW, et al. Am J Vet Res 1983 Sep;44(9):1732–3

Treatment of ancylostomiasis and ascariasis with Albendazole. Bassily S, et al. Ann Trop Med Parasitol 1984 Feb;78(1):81–2

Incidence of helminthic infections and comparative study of pyrantel pamoate with levamisole and mebendazole in hospital patients at Barisal, Bangladesh. Islam AF, et al. Bangladesh Med Res Counc Bull 1984 Jun;10(1):29–36

Treatment of toxocaral optic neuritis. Molk R. J Clin Neuro Ophthalmol 1982 Jun;2(2):109–12

Effect of thiabendazole on the migration of Toxocara canis larvae in the mouse. Abdel-Hameed AA. J Parasitol 1984 Apr;70(2):226–31

The anthelmintic effects of flubendazole on Trichuris trichiura and Ascaris lumbricoides. Kan SP. Trans R Soc Trop Med Hyg 1983;77(5):668–70

Ascariasis: effect of treating a single case upon the local population. Manni JJ. Trop Doct 1984 Jul;14(3):142

[Value of flubendazole in the treatment of toxocariasis (letter)] Dutoit E, et al. Presse Med 1983 Oct 29;12(38):2396 (Fre)

IMMUNOLOGY

Toxocara antigen and mitogen-induced lymphocyte blastogenesis for diagnosis of visceral larva migrans: clinical and experimental findings in macaques and human beings. Glickman LT, et al. Am J Vet Res 1984 Jun;45(6):1235–7

Induction of peripheral blood eosinophilia in mice by excretory and secretory antigen of Toxocara canis larvae. Sugane K, et al. J Helminthol 1984 Jun;58(2):143–7

A relation between antibody response and acetylcholinesterase activity in dogs and rabbits infected with Toxocara canis. Matsumura K, et al. Zentralbl Bakteriol Mikrobiol Hyg [A] 1983 Sep; 255(2–3):397–401

The IgM antibody activities in relation to the parasitologic

status of Toxocara canis in dogs. Matsumura K, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Sep; 255(2–3):402–5

[Dynamics and distribution of T- and B-dependent lymphocytes in the lymphoid organs of guinea pigs in experimental ascariasis] Benková M, et al. **Vet Med (Praha)** 1984 Jan;29(1):39–46 (Eng. Abstr.) **(Slo)**

METABOLISM

Some experimental approaches to the study of nutrition and parasitic infection. Nesheim MC. **Fed Proc** 1984 Feb; 43(2):235–8

[Serotonin metabolism in children with ascariasis] Fal W, et al. **Wiad Parazytol** 1983;29(3):289–95 (Eng. Abstr.) **(Pol)**

[Effect of vitamin A on ascorbic acid levels in the adrenal glands and liver of guinea pigs with larval ascariasis] Jabłonowski Z, et al. **Wiad Parazytol** 1983;29(3):273–88 (Eng. Abstr.) **(Pol)**

[Histochemical and electron microscopy study of the lungs in mice with ascariasis migrans] Chebyshev NV, et al. **Med Parazitol (Mosk)** 1983 Nov–Dec;(6):57–60 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Prevalence of Ascaris lumbricoides infection in a small Nova Scotian community. Embil JA, et al. **Am J Trop Med Hyg** 1984 Jul;33(4):595–8

Toxocaral antibodies in personnel occupationally concerned with dogs. Slovak AJ. **Br J Ind Med** 1984 Aug;41(3):419

Toxocariasis in the British Isles 1982–3. Rée GH, et al. **Br Med J [Clin Res]** 1984 Feb 25;288(6417):628–9

Intestinal ascariasis in Nigerian children. Agugua NE. **J Trop Pediatr** 1983 Aug;29(4):237–9

Ascariasis at North Carolina Memorial Hospital. Davidson RA. **NC Med J** 1983 Sep;44(9):544–5

The prevalence of respiratory tract infections in patients with ascariasis. Harsono A, et al. **Paediatr Indones** 1983 Jul–Aug; 23(7–8):133–7

Ocular toxocariasis. A review. Shields JA. **Surv Ophthalmol** 1984 Mar–Apr;28(5):361–81

The prevalence and intensity of Ascaris lumbricoides infections in Moslem children from northern Bangladesh. Martin J, et al. **Trans R Soc Trop Med Hyg** 1983;77(5):702–6

PARASITOLOGY

Egg of Ascaris lumbricoides in cervicovaginal smear [letter] Bhambhani S. **Acta Cytol (Baltimore)** 1984 Jan–Feb;28(1):92

The accumulation of Toxocara canis larvae in the brains of mice. Dunsmore JD, et al. **Int J Parasitol** 1983 Oct; 13(5):517–21

Anthelmintic effect of levamisole, ivermectin, albendazole and fenbendazole on larval Toxocara canis infection in mice. Abo-Shehada MN, et al. **Res Vet Sci** 1984 Jan; 36(1):87–91

[Effect of pesticides: cartap and monocrotophos on the invasiveness of ova of Ascaris suum and on the pathomorphological changes in the lung and liver of Cavia porcellus with experimental ascariasis] Rostkowska J, et al. **Wiad Parazytol** 1983;29(3):309–16 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Toxocara canis infection of the eye. Correlation of clinical observations with developing pathology in the primate model. Watzke RC, et al. **Arch Ophthalmol** 1984 Feb; 102(2):282–91

Experimental ocular toxocariasis: a mouse model. Ghafoor SY, et al. **Br J Ophthalmol** 1984 Feb;68(2):89–96

In vitro interaction of eosinophils from ascarid-infected eyes with Ascaris suum and Toxocara canis larvae. Rockey JH, et al. **Invest Ophthalmol Vis Sci** 1983 Oct;24(10):1346–57

Mucosal surface lesions in young protein-deficient pigs infected with Ascaris suum (Nematoda). Martin J, et al. **Parasitology** 1984 Apr;88 (Pt 2):333–40

Experimental ocular Toxocara canis and Ascaris suum infection: in vivo and in vitro study. John T, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1983 Fall; 36(2):131–7

[Bronchial asthma and toxocariasis] Zakharov EF, et al. **Klin Med (Mosk)** 1984 Feb;62(2):115–8 **(Rus)**

[Histological and electron microscopic studies of the heart in mice with ascariasis migrans] Chebyshev NV, et al. **Med Parazitol (Mosk)** 1984 May–Jun;(3):22–4 (Eng. Abstr.) **(Rus)**

[Ascariasis of the orbit] Petrushina GD. **Vestn Oftalmol** 1983 Nov–Dec;(6):70–1 **(Rus)**

PHYSIOPATHOLOGY

Experimental toxocariasis in mice and its effect on their behaviour. Hay J, et al. **Ann Trop Med Parasitol** 1984 Apr; 78(2):145–55

PREVENTION & CONTROL

Selective primary health care: strategies for control of disease in the developing world. XII. Ascariasis and trichuriasis. Arfaa F. **Rev Infect Dis** 1984 May–Jun;6(3):364–73 (41 ref.)

PSYCHOLOGY

The effect of Toxocara canis infection on the behaviour of mice. Hay J, et al. **Ann Trop Med Parasitol** 1983 Oct; 77(5):543–4

RADIOGRAPHY

[Ascariasis of the bile duct] Khilenko AV, et al. **Vestn Rentgenol Radiol** 1983 May–Jun;(3):83–4 **(Rus)**

SURGERY

Place of enterotomy in intestinal obstruction caused by roundworms [letter] Wijesinha SS. **Br J Surg** 1984 Jan; 71(1):81

[Ascariasis and surgery. Apropos of 130 Cambodian cases] Tournier-Lasserve C. **Chirurgie** 1984;110(1):36–42 (Eng. Abstr.) **(Fre)**

THERAPY

[Diagnosis and treatment of biliary ascariasis] He RL. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Apr;4(4):236–7 **(Chi)**

TRANSMISSION

A study of human and porcine Ascariasis in a rural area of South-West Nigeria. Kofie BA, et al. **Int J Zoonoses** 1983 Jun;10(1):66–70

VETERINARY

Experimental Toxocara canis infection in cynomolgus macaques (Macaca fascicularis). Glickman LT, et al. **Am J Vet Res** 1983 Dec;44(12):2347–54

Efficacy of fenbendazole against migrating Ascaris suum larvae in pigs. Stewart TB, et al. **Am J Vet Res** 1984 May; 45(5):984–6

Toxocariasis. Soulsby EJ. **Br Vet J** 1983 Nov–Dec; 139(6):471–5

Detection of circulating toxocaral antigens in dogs by sandwich enzyme-immunoassay. Matsumura K, et al. **Immunology** 1984 Mar;51(3):609–13

Evaluation of fenbendazole as an extended anthelmintic treatment regimen for swine. Corwin RM, et al. **J Am Vet Med Assoc** 1984 Jul 1;185(1):58–9

Toxocara canis infection in dogs in Beersheba, Israel. Gross EM, et al. **J Helminthol** 1984 Jun;58(2):139–41

Muscular weakness in a dog associated with severe roundworm infestation. Van Heerden J. **J S Afr Vet Assoc** 1983 Jun;54(2):133–4

Evaluation of the enzyme-linked immunosorbent assay for detecting antibodies to Toxocara canis in dogs. Matsumura K, et al. **Nippon Juigaku Zasshi** 1983 Oct;45(5):683–5

Changes in the somatic musculature of the 4th-stage larvae of Ascaris suum Goeze, 1782 (Nematoda: Ascaridoidea) developing in swine. O'Grady RT. **Parasitology** 1984 Feb; 88 (Pt 1):141–51

Field studies with in-feed medication of pigs in the Netherlands using the anthelmintic thiophanate with particular reference to efficacy against Ascaris suum. Evans P, et al. **Vet Q** 1984 Jan;6(1):27–30

Possible role of histamine in the genesis of pulmonary arterial disease in cats infected with Toxocara cati. Weatherley AJ, et al. **Vet Rec** 1984 Apr 7;114(14):347–9

Observations on the transmission and development of Toxocara pteropodis (Ascaridoidea: Nematoda) in the Australian grey-headed flying-fox, Pteropus poliocephalus (Pteropodidae: Megachiroptera). Prociv P. **Z Parasitenkd** 1983;69(6):773–81

The IgA antibody activities in relation to the parasitologic status of Toxocara canis in dogs. Matsumura K, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Dec; 256(2):239–43

Preliminary study on the follow-up observations of the antibodies and circulating antigens in canine toxocariasis. Matsumura K, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Dec; 256(2):244–8

[Distribution of Toxocara canis in puppies in Bulgaria] Soilev C, et al. **Angew Parasitol** 1984 May;25(2):93–6 **(Ger)**

[Ascarid larvae-induced liver changes ('milk spots') in swine] Mehl WM, et al. **Berl Munch Tierarztl Wochenschr** 1983 Nov 1;96(11):405–9 (Eng. Abstr.) **(Ger)**

ASCARIDIA

ANALYSIS

Ascaris lumbricoides and Ascaridia galli: biogenic amines in adults and developmental stages. Mishra SK, et al. **Exp Parasitol** 1984 Feb;57(1):34–9

ENZYMOLOGY

Monoamine oxidase in adult Ascaridia galli. Mishra SK, et al. **J Helminthol** 1983 Dec;57(4):313–8

IMMUNOLOGY

Skin-sensitizing allergen in the adults of Ascaridia galli. Mishra SK, et al. **Indian J Exp Biol** 1983 Jun;21(6):310–2

METABOLISM

Metabolism of amino acids in Ascaridia galli: transamination. Singh G, et al. **Z Parasitenkd** 1983;69(6):783–8

ULTRASTRUCTURE

Protofilament number in microtubules in cells of two parasitic nematodes. Davis C, et al. **J Parasitol** 1983 Dec; 69(6):1094–9

ASCARIDIASIS see under **NEMATODE INFECTIONS**

ASCARIS

Endoscopic removal of Ascaris lumbricoides from the common bile duct. Saul C, et al. **Am J Gastroenterol** 1984 Sep;79(9):725–7

Local release of histamine, prostaglandin F2 alpha and thromboxane B2 into the tracheal lumen and its influence on airways reactivity. Peskar BA, et al. **Klin Wochenschr** 1984 Apr 2;62(7):315–22

Partial sensory denervation of the upper respiratory tract on allergen- and histamine-induced bronchoconstriction. Zimmermann I, et al. **Respiration** 1984;45(4):394–405

ANALYSIS

Ascaris lumbricoides and Ascaridia galli: biogenic amines in adults and developmental stages. Mishra SK, et al. **Exp Parasitol** 1984 Feb;57(1):34–9

CYTOLOGY

Preservation and staining of Ascaris lumbricoides ova. El-Ridi AM, et al. **J Egypt Soc Parasitol** 1983 Dec; 13(2):417–21

DRUG EFFECTS

Efficacy of fenbendazole against migrating Ascaris suum larvae in pigs. Stewart TB, et al. **Am J Vet Res** 1984 May; 45(5):984–6

ENZYMOLOGY

The isoinhibitors of chymotrypsin/elastase from Ascaris lumbricoides: the primary structure. Babin DR, et al. **Arch Biochem Biophys** 1984 Jul;232(1):143–61

2-Methylacetoacetyl-coenzyme A reductase from Ascaris muscle: purification and properties. Suarez de Mata Z, et al. **Arch Biochem Biophys** 1983 Oct 1;226(1):84–93

2-Methylbutyryl CoA dehydrogenase from mitochondria of Ascaris suum and its relationship to NADH-dependent 2-methylcrotonyl CoA reduction. Komuniecki R, et al. **Biochem Biophys Res Commun** 1984 Feb 14;118(3):783–8

Purification and characterization of methylmalonyl-CoA mutase from Ascaris lumbricoides. Han YS, et al. **Comp Biochem Physiol [B]** 1984;78(1):41–5

Isolation and properties of alpha-amylase from perienteric fluid of Ascaris suum. Zenka J, et al. **Folia Parasitol (Praha)** 1984;31(2):183–6

Activities of some enzymes in the perienteric fluid of Ascaris suum. Zenka J, et al. **Folia Parasitol (Praha)** 1983; 30(4):373–6

The localization of fumarase and malic enzyme in muscle mitochondria of Ascaris suum. Köhler P, et al. **Mol Biochem Parasitol** 1983 Dec;9(4):329–36

Purification and characterization of phosphorylase B from Ascaris suum. Yacoub NJ, et al. **Mol Biochem Parasitol** 1983 Dec;9(4):297–307

GENETICS

Structural organization of the two main rDNA size classes of Ascaris lumbricoides. Back E, et al. **Nucleic Acids Res** 1984 Feb 10;12(3):1313–32

Chromosomal arrangement of the two main rDNA size classes of Ascaris lumbricoides. Back E, et al. **Nucleic Acids Res** 1984 Feb 10;12(3):1333–47

GROWTH & DEVELOPMENT

Effect of temperature on morphological and physiological character of ovicidal fungi. Chalupová V, et al. **Acta Univ Palacki Olomuc Fac Med** 1983;105:17–25

Factors contributing to the in vitro development of Ascaris suum from second-stage larvae to mature adults. Douvres FW, et al. **J Parasitol** 1983 Jun;69(3):549–58

Changes in the somatic musculature of the 4th-stage larvae of Ascaris suum Goeze, 1782 (Nematoda: Ascaridoidea) developing in swine. O'Grady RT. **Parasitology** 1984 Feb; 88 (Pt 1):141–51

Culture requirements of Ascaris suum larvae using a stationary multi-well system: increased survival, development and growth with cholesterol. Urban JF Jr, et al. **Vet Parasitol** 1984 Jan;14(1):33–42

IMMUNOLOGY

Use of a RAST technique with Ascaris suum allergen to detect A. lumbricoides infestation [letter] Macfarlane CM, et al. **S Afr Med J** 1984 Mar 24;65(12):454

[Bronchoconstrictor reaction pattern of the upper respiratory tract and peripheral bronchial system] Zimmermann I, et al. **Respiration** 1984;45(3):207–18 (Eng. Abstr.) **(Ger)**

METABOLISM

The isoinhibitors of chymotrypsin/elastase from Ascaris lumbricoides: isolation by affinity chromatography and association with the enzymes. Peanasky RJ, et al. **Arch Biochem Biophys** 1984 Jul;232(1):127–34

The isoinhibitors of chymotrypsin/elastase from Ascaris lumbricoides: the reactive site. Peanasky RJ, et al. **Arch Biochem Biophys** 1984 Jul;232(1):135–42

Ascaris suum: continuous perfusion of the pseudocoelom and nutrient absorption. Fleming MW, et al. **Exp Parasitol** 1984 Apr;57(2):142–8

Amino acid and lipid composition of refringent granules from the ameboid sperm of Ascaris suum (Nematoda). Abbas MK, et al. **Histochemistry** 1984;81(1):59–65

NADH-dependent tiglyl-CoA reduction in disrupted mitochondria of Ascaris suum. Komuniecki R, et al. **Mol Biochem Parasitol** 1984 Jan;10(1):25–32

[Histochemical study of the RNA content and distribution in ascarid tissues] Abdulazizov AI. **Parazitologiia** 1984 Jan–Feb;18(1):72–4 (Eng. Abstr.) **(Rus)**

PATHOGENICITY

Experimental infection of domestic swine with Baylisascaris procyonis from raccoons. Kazacos KR, et al. **Am J Vet Res** 1984 Jun;45(6):1114–21

[Effect of pesticides: cartap and monocrotophos on the invasiveness of ova of Ascaris suum and on the pathomorphological changes in the lung and liver of Cavia porcellus with experimental ascariasis] Rostkowska J, et al. **Wiad Parazytol** 1983;29(3):309–16 (Eng. Abstr.) **(Pol)**

PHYSIOLOGY

Purification of an anticoagulant from the body fluid of Ascaris suum. Howse DJ, et al. **Comp Biochem Physiol [B]** 1984;78(1):183–7

Lysophospholipase activation with Ascaris suum extract. Laubach HE. **J Parasitol** 1984 Feb;70(1):157–8

Cytoadherence effects of serum on Ascaris suum infective larvae. Laubach HE. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Sep; 255(2–3):406–12

ULTRASTRUCTURE

SEM observations of ascaris eggs by freezing cracking technic. Meng XQ, et al. **Chin Med J [Engl]** 1983 Dec; 96(12):921–5

[Scanning electron microscopy of the sensory papillae of Ascaris lumbricoides] Meng XQ, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1983;1(2):95–8 (Eng. Abstr.) **(Chi)**

ASCAROIDEA

ANATOMY & HISTOLOGY

Anisakis simplex (Rudolphi, 1809, det. Krabbe, 1878) (Nematoda: Ascaridoidea): morphology and morphometry of larvae from euphausiids and fish, and a review of the life-history and ecology. Smith JW. **J Helminthol** 1983 Sep; 57(3):205–24

Lagochilascaris sprenti sp. n. (Nematoda: ascarididae) from the opossum, Didelphis virginiana (Marsupialia: didelphidae). Bowman DD, et al. **J Parasitol** 1983 Aug; 69(4):754–60

GROWTH & DEVELOPMENT

Life cycle and development of Lagochilascaris sprenti (Nematoda: ascarididae) from opossums (Marsupialia: didelphidae) in Louisiana. Smith JL, et al. **J Parasitol** 1983 Aug;69(4):736–45

[Survival of Anisakis Dujardin, 1845 at different temperatures and infectivity in Rattus norvegicus] Torres P, et al. **Bol Chil Parasitol** 1982 Jul–Dec;37(3–4):54–9 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Comparison of counterimmunoelectrophoresis with indirect haemagglutination test in the detection of antibodies in rabbits experimentally infected with various species of ascarids. Lukeš S, et al. **Folia Parasitol (Praha)** 1984; 31(2):157–62

ISOLATION & PURIFICATION

Public health significance of Neoascaris vitulorum larvae in buffalo milk samples. Banerjee DP, et al. **J Parasitol** 1983 Dec;69(6):1124

ASCHELMINTHES

PHYSIOLOGY

Reproduction and sexual development in a freshwater gastrotrich. 2. Kinetics and fine structure of postparthenogenic sperm formation. Hummon MR. **Cell Tissue Res** 1984;236(3):619–28

Reproduction and sexual development in a freshwater gastrotrich. 3. Postparthenogenic development of primary oocytes and the X-body. Hummon MR. **Cell Tissue Res** 1984;236(3):629–36

ASCHOFF BODIES see **RHEUMATIC NODULE**

ASCITES

Radioactivity in blood and urine following intraperitoneal instillation of chromic phosphate in patients with and without ascites. Bakri YN, et al. **Am J Obstet Gynecol** 1984 Sep 15;150(2):184–8

BLOOD

[Eosinophilic ascites. A case report (letter)] Raabe JJ, et al. **Presse Med** 1984 Feb 4;13(4):226 **(Fre)**

COMPLICATIONS

Clinical studies of hepatocellular carcinoma with liver cirrhosis and ascites. Yuasa S, et al. **Acta Med Okayama** 1984 Jun;38(3):291–9

Pseudodyskinesia of the left ventricular free wall. Kayden DS, et al. **Am J Cardiol** 1984 Mar 15;53(7):985–6

Management of umbilical hernia associated with ascites [letter] Gitlin N. **Am J Gastroenterol** 1983 Nov;78(11):769

Management of ascites with hydrothorax. LeVeen HH, et al. **Am J Surg** 1984 Aug;148(2):210–3

Massive edema of the ovary associated with hydrothorax and ascites. Fukuda O, et al. **Gynecol Oncol** 1984 Feb; 17(2):231–7

Exudative ascites in the course of acute type B hepatitis. Viola C, et al. **Hepatology** 1983 Nov–Dec;3(6):1013–5

Dystocia due to foetal ascites. Prasad B, et al. **J Indian Med Assoc** 1983 Apr;80(7–8):106–7

Endometriosis with ascites. Jenks JE, et al. **Obstet Gynecol** 1984 Mar;63(3 Suppl):75S–77S

CONGENITAL

Congenital ascites as a presenting sign of lysosomal storage disease. Gillan JE, et al. **J Pediatr** 1984 Feb;104(2):225–31

DIAGNOSIS

'Pseudoascites' as a presenting physical sign of celiac disease. Granot E, et al. **Am J Gastroenterol** 1983 Nov;78(11):730–1

Superiority of the serum–ascites albumin difference over the ascites total protein concentration in separation of 'transudative' and 'exudative' ascites. Rector WG Jr, et al. **Am J Med** 1984 Jul;77(1):83–5

Chylopericardium in a drug addict. Chan RM, et al. **Arch Intern Med** 1984 Sep;144(9):1857–8

Echocardiographic simulation of pericardial effusion by ascites. D'Cruz IA. **Chest** 1984 Jan;85(1):93–5

Detection of intraperitoneal bile accumulations: significance of ultrasonography, CT, and cholescintigraphy. Lorenz R, et al. **Gastrointest Radiol** 1984;9(3):213–7

Primary omental leiomyosarcoma masquerading as hemorrhagic ascites. Dixon AY, et al. **Hum Pathol** 1984 Mar;15(3):233–7

Sonographic detection of ascites in liver disease. Gooding GA, et al. **J Ultrasound Med** 1984 Apr;3(4):169–72

Free intra-abdominal fluid in the fetus: ultrasonic assessment. Graif M, et al. **JCU** 1983 Oct;11(8):458–9

The diagnosis and examination of ascitic fluid. Conn HO. **Lab Res Methods Biol Med** 1983;7:529–65 (123 ref.)

The lesser sac and gastrohepatic recess: sonographic appearance and differentiation of fluid collections. Vincent LM, et al. **Radiology** 1984 Feb;150(2):515–9

[Clinico-pathological conference. Ascites and cardiac failure in an old man] Valtonen M. **Duodecim** 1983;99(20):1483–91 **(Fin)**

[Differential diagnosis at the bedside. Indistinct abdominal symptoms] Kuntz HD. **MMW** 1983 Dec 2;125(48):suppl 91–4, 98 **(Ger)**

[Cholecystosonographic differentiation of ascites] Ishii C, et al. **Rinsho Hoshasen** 1984 Jan;29(1):45–8 (Eng. Abstr.) **(Jpn)**

[Value of echography for detecting free fluid in the pleural and abdominal cavities] Demidov VN. **Ter Arkh** 1983; 55(10):60–2 (9 ref.) (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Propranolol in the treatment of cirrhotic ascites. Rector WG Jr, et al. **Arch Intern Med** 1984 Sep;144(9):1761–3

Intravenous infusion of frusemide as treatment for ascites in malignant disease. Amiel SA, et al. **Br Med J [Clin Res]** 1984 Apr 7;288(6423):1041

[Clinical program of therapy for ascitic edema in liver disease] Pupita F, et al. **Clin Ter** 1982 Jan 31;100(2):115–33 (Eng. Abstr.) **(Ita)**

ENZYMOLOGY

On the pathogenesis of pancreatic ascites. Satz N, et al. **Eur Surg Res** 1984;16(3):170–4

ETIOLOGY

The significance of bloody ascites in patients with cirrhosis. DeSitter L, et al. **Am J Gastroenterol** 1984 Feb;79(2):136–8

Cause of primary vaginal hydrocele and ascites in advanced liver cirrhosis. Abdel-Rheem MS. **Am J Surg** 1983 Nov; 146(5):647–51

Ascites in breast cancer. Fentiman IS, et al. **Br Med J [Clin Res]** 1983 Oct 8;287(6398):1023

Ascites [editorial] Morris JS. **Br Med J [Clin Res]** 1984 Jul 28;289(6439):209–10

Ascites progressing to an abdominal mass due to extramedullary hematopoiesis in a patient with agnogenic myeloid metaplasia (AMM). Marshall JB, et al. **Dig Dis Sci** 1983 Oct;28(10):912–7

Neonatal ascites in Zaria, Northern Nigeria: report of 6 cases. Yakubu AM, et al. **East Afr Med J** 1984 Jan;61(1):82–5

Endoscopic diagnosis of ascites in Assiut province, upper Egypt. Nafeh MA, et al. **Endoscopy** 1983 Nov;15(6):347–9

Hydrocolpos as a cause of urinary ascites. Narasimharao KL, et al. **Indian Pediatr** 1983 Apr;20(4):300–2

Ascites. Kalro RH. **J Assoc Physicians India** 1983 Apr; 31(4):245–6

Immunological studies of ascitic fluid in patients with cirrhosis of the liver and hepatitis B surface antigen. Nakhla NB, et al. **J Infect** 1983 Sep;7(2):139–43

Cerebrospinal fluid ascites complicating ventriculoperitoneal shunting. Report of four cases. Yount RA, et al. **J Neurosurg** 1984 Jul;61(1):180–3

Idiopathic perforation of the biliary tract in infancy. Stringel G, et al. **J Pediatr Surg** 1983 Oct;18(5):546–50

The pathogenesis of the postoperative ascites accumulation after transthoracic esophageal transection for esophageal varices, especially the relationship between the vagus nerve and ascites accumulation. Kaneta K. **Nippon Geka Hokan** 1983 Mar 1;52(2):170–84

Diffuse lymphadenopathy and anasarca in a 65-year-old woman [clinical conference] **NY State J Med** 1984 Jun; 84(6):306–11

The transected urachus: an unusual cause of neonatal ascites. Hepworth RC, et al. **Pediatrics** 1984 Mar;73(3):397–400

Neonatal ascites due to lysosomal storage disease. Daneman A, et al. **Radiology** 1983 Nov;149(2):463–7

Ammonia tolerance test used to differentiate between ascites of cirrhotic and malignant genesis. Felding C, et al. **Scand J Gastroenterol** 1984 May;19(3):365–8

The 'overflow' theory of ascites formation: a fading concept? Henriksen JH. **Scand J Gastroenterol** 1983 Oct;18(7):833–7 (54 ref.)

Embolization of kidney: treatment for laceration of ureter producing intractable urinary ascites. Abaskaron M, et al. **Urology** 1984 Mar;23(3):299–300

Ruptured ovarian cyst as a cause of ascites in a newborn infant. Vyas ID, et al. **Z Kinderchir** 1984 Apr;39(2):143–4

[Effect of renal hemodynamics, aldosterone and other factors on ascites formation in schistosomiasis] Yang JS, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1983 Aug; 5(4):235–9 (Eng. Abstr.) **(Chi)**

[Homeostatic mechanisms in decompensated cirrhosis. Ascites—status and perspectives] Henriksen JH. **Nord Med** 1984;99(6–7):177–80 (Eng. Abstr.) **(Dan)**

[Acquired immunodeficiency syndrome. Ascites disclosing necrotizing enterocolitis (letter)] Rene E, et al. **Presse Med** 1984 Feb 4;13(4):227 **(Fre)**

[Massive recurrent ascites in a patient with chronic pancreatitis] Juszczyk Z, et al. **Wiad Lek** 1984 Feb 1; 37(3):218–22 (Eng. Abstr.) **(Pol)**

[New aspects of the physiopathology and treatment of the hepatorenal syndrome] Pavão dos Santos OF, et al. **AMB** 1984 Jan–Feb;30(1–2):20–5 (65 ref.) **(Por)**

[Complex lymphatic malformation as a cause of ascites in the infant] Agulló Martí J, et al. **An Esp Pediatr** 1984 Jan; 20(1):77–9 **(Spa)**

[Ascites in hemodialysis] Vidal C, et al. **Med Clin (Barc)** 1984 Mar 17;82(10):438–41 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

An immunosuppressive lipoprotein fraction from TEPC-183 bearing mice. Wolfe L, et al. **Clin Exp Immunol** 1983 Dec; 54(3):801–10

[Clinical importance of HbsAg in the abdominal fluid in ascitic states] Krtek V, et al. **Cas Lek Cesk** 1984 Jan 20; 123(3):73–5 (Eng. Abstr.) **(Cze)**

METABOLISM

Plasma-to-ascitic fluid transport rate of albumin in patients with decompensated cirrhosis. Relation to intraperitoneal albumin. Henriksen JH, et al. **Clin Physiol** 1983 Oct; 3(5):423–31

Influence of ascites on tobramycin pharmacokinetics. Sampliner R, et al. **J Clin Pharmacol** 1984 Jan;24(1):43–6

PATHOLOGY

Altered distribution profiles of endoplasmic reticulum subfractions after incubation of Krebs II ascites cells with different concentrations of cytochalasin B. Fjose A, et al. **Cell Biochem Funct** 1984 Jan;2(1):38–42

Identification of human mesothelial cells in culture by electron microscopy and antibodies. Jap PH, et al. **Cell Biol Int Rep** 1984 Apr;8(4):274

The significance of peritoneal cytology in patients with carcinoma of the cervix. Abu-Ghazaleh S, et al. **Gynecol Oncol** 1984 Feb;17(2):139–48

Peritoneal fluid cytology in patients with ovarian cancer. Yoshimura S, et al. **Gynecol Oncol** 1984 Feb;17(2):161–7

Effects of ascorbic and dehydroascorbic acid on the multiplication of tumor ascites cells in vitro. Liotti FS, et al. **J Cancer Res Clin Oncol** 1984;108(2):230–2

Dogs with experimental cirrhosis of the liver but without intrahepatic hypertension do not retain sodium or form ascites. Unikowsky B, et al. **J Clin Invest** 1983 Nov;

72(5):1594–604

Parameters affecting ascites tumour formation in mice and monoclonal antibody production. Brodeur BR, et al. **J Immunol Methods** 1984 Jul 6;71(2):265–72

PHYSIOPATHOLOGY

Clinical studies of resistant ascites in liver cirrhosis. Yuasa S, et al. **Acta Med Okayama** 1984 Jun;38(3):281–90

Intraabdominal pressure and ascitic fluid volume in decompensated liver cirrhosis. Buhac I, et al. **Am J Gastroenterol** 1984 Jul;79(7):569–72

Subacute endotoxemia in dogs with experimental cirrhosis and ascites: effects on kidney function. Levy M, et al. **Can J Physiol Pharmacol** 1984 Jun;62(6):673–7

Hepatic nephropathy, related to haemodynamics. Ring-Larsen H. **Liver** 1983 Oct;3(5):265–89 (211 ref.)

[Le Veen's peritoneovenous shunts. Impact of peroperative ascites drainage on postoperative hemostasis] Laizet L, et al. **Ann Fr Anesth Reanim** 1984;3(4):322–3 **(Fre)**

PREVENTION & CONTROL

Pseudomyxoma peritonei: possible prevention of mucinous ascites by peritoneal lavage. Piver MS, et al. **Obstet Gynecol** 1984 Sep;64(3 Suppl):95S–96S

RADIOGRAPHY

The bare area of the spleen: a constant CT feature of the ascitic abdomen. Vibhakar SD, et al. **AJR** 1984 May; 142(5):953–5

The radiologic diagnosis of complications following gynecologic surgery: radiography, computed tomography, sonography, and scintigraphy. Demos TC, et al. **CRC Crit Rev Diagn Imaging** 1984;22(1):43–94 (69 ref.)

Abdominal tuberculosis: CT findings. Dahlene DH Jr, et al. **J Comput Assist Tomogr** 1984 Jun;8(3):443–5

Ascites: comparison of plain film radiographs with ultrasonograms. Bundrick TJ, et al. **Radiology** 1984 Aug; 152(2):503–6

[Computed tomography of the ascites] Matsumoto K, et al. **Rinsho Hoshasen** 1983 Oct;28(10):1071–6 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

Observations on the radionuclide assessment of peritoneovenous shunt patency. Rosenthall L, et al. **Clin Nucl Med** 1984 Apr;9(4):227–35

SURGERY

Experimental and clinical experiences with peritoneo-venous shunt (locally made Z-CI device) in the treatment of intractable ascites. Xu Z, et al. **Acta Acad Med Wuhan** 1983; 3(4):193–8

Percutaneous drainage of abdominal fluid collections in children. Stanley P, et al. **AJR** 1984 Apr;142(4):813–6

Peritoneovenous shunts: predictive factors of early treatment failure. Gleysteen JJ, et al. **Am J Gastroenterol** 1984 Aug; 79(8):654–8

Patient selection and survival after peritoneovenous shunting for nonmalignant ascites. Smith RE, et al. **Am J Gastroenterol** 1984 Aug;79(8):659–62

Nutrition and immunity after peritoneovenous drainage of intractable ascites in cirrhotic patients. Franco D, et al. **Am J Surg** 1983 Nov;146(5):652–7

Outcome after peritoneo-jugular shunting of pancreatic ascites. Jones AM, et al. **Am Surg** 1984 Jul;50(7):386–9

Peritoneovenous shunt therapy for leaking ascites in the cirrhotic patient. O'Connor M, et al. **Ann Surg** 1984 Jul; 200(1):66–9

Regular reinfusion of ascites during haemodialysis in a patient with amyloidosis [letter] Rotellar E, et al. **Br Med J [Clin Res]** 1983 Oct 29;287(6401):1304

Peritoneo-cystic shunt for malignant ascites. Stehman FB, et al. **Gynecol Oncol** 1984 Jul;18(3):402–7

A critical re-appraisal of lymph-venous shunt in the management of massive ascites. Puttini M, et al. **J Cardiovasc Surg (Torino)** 1984 Mar–Apr;25(2):126–9

Peritoneovenous shunt in treatment of ascites in patients with cirrhosis. A preliminary report with special reference to pathophysiology. Henriksen JH, et al. **Scand J Gastroenterol** 1983 May;18(4):529–35

[Experience with LeVeen peritoneal-venous shunt in the treatment of intractable cirrhotic ascites] Chen YR, et al. **Chung Hua Nei Ko Tsa Chih** 1983 Jul;22(7):431–3 (Eng. Abstr.) **(Chi)**

[Intractable ascites treated by anastomosis of the thoracic duct to the internal jugular vein] Fu YJ. **Chung Hua Wai Ko Tsa Chih** 1984 Mar;22(3):178 (Eng. Abstr.) **(Chi)**

[Surgical treatment of intractable ascites] Kvist N, et al. **Ugeskr Laeger** 1983 Sep 19;145(38):2926–9 (Eng. Abstr.) **(Dan)**

[The oncologic emergency. Surgical therapy of ascites, including tumor ascites] Merkle P. **MMW** 1984 Mar 2; 126(9):239–40 **(Ger)**

[Peritovenous shunt (Denver Shunt) in therapy resistant ascites in childhood] Teufel M, et al. **Monatsschr Kinderheilkd** 1983 Sep;131(9):603–6 (Eng. Abstr.) **(Ger)**

[Surgical treatment of refractory ascites with peritoneovenous shunt and its complications] Brescia A, et al. **Ann Ital Chir** 1983;55(4):385–93 (Eng. Abstr.) **(Ita)**

[Method of treating ascites by drainage into the subcutaneous compartment of the thigh] Gagushin VA. **Vestn Khir** 1984 Feb;132(2):122–3 **(Rus)**

THERAPY

The effects of dialytic ultrafiltration and peritoneal reinfusion in the management of diuretic resistant ascites. Raju SF, et al. **Am J Gastroenterol** 1984 Apr;79(4):308–12

Shunting malignant ascites. Klopp A. **Am J Nurs** 1984 Feb; 84(2):212–3

Ascitic fluid removal: does it cause renal or hemodynamic decompensation? Carey WD, et al. **Cleve Clin Q** 1983 Winter;50(4):397–400

Absence of metastatic sequelae during long-term treatment of malignant ascites by peritoneo-venous shunting. A clinico-pathological report. Tarin D, et al. **Invasion Metastasis** 1984;4(1):1–12

Treatment of refractory ascites in hemodialysis patient with peritoneovenous shunt (Denver shunt). Giannone G, et al. **Mt Sinai J Med (NY)** 1983 May–Jun;50(3):256–7

Combined radical nephrectomy and portacaval shunt for renal cell carcinoma with portal hypertension and ascites. Little WG, et al. **South Med J** 1984 Aug;77(8):1063–4

[Evaluation of the treatment of refractory ascites by ultrafiltration followed by intra-abdominal reinjection] Van Gossum M, et al. **Acta Gastroenterol Belg** 1983 May–Jun; 46(5–6):232–9 (Eng. Abstr.) **(Fre)**

[Therapy of ascites by peritoneo-venous shunt] Schumpelick V, et al. **Dtsch Med Wochenschr** 1984 Jun 15;109(24):957–9 **(Ger)**

[Possibilities in the treatment of nephrogenic ascites] Makó J, et al. **Orv Hetil** 1983 Dec 11;124(50):3031–4 (Eng. Abstr.) **(Hun)**

[Treatment of intractable ascites at the terminal stage of ovarian carcinoma—reinfusion of the cell-free, concentrated ascitic fluid] Kitao M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1983 Sep; 35(9):1668–71 **(Jpn)**

[Retransfusion of ascites fluid in cirrhotic patients, using external peritoneovenous and peritoneopulmonary shunts (personal technic)] Mircea N, et al. **Rev Chir [Chir]** 1984 Jan–Feb;33(1):45–54 (Eng. Abstr.) **(Rum)**

[Variations of internal drainage of the thoracic duct in cirrhosis of the liver] Granov AM, et al. **Vestn Khir** 1983 Aug;131(8):15–8 (Eng. Abstr.) **(Rus)**

VETERINARY

Some aspects of the composition of avian ascitic fluid. Hulan HW, et al. **Poult Sci** 1984 Jul;63(7):1357–63

Ascites formation in the chicken. Olah I, et al. **Poult Sci** 1983 Oct;62(10):2095–8

ASCITIC FLUID

Peritoneal washing cytology. Uses and diagnostic criteria in gynecologic neoplasms. Ziselman EM, et al. **Acta Cytol (Baltimore)** 1984 Mar–Apr;28(2):105–10

Prognostic importance of ascites in ovarian carcinoma. Sorbe B, et al. **Acta Obstet Gynecol Scand** 1983;62(5):415–8

Sonographic detection of subtle pelvic fluid collections. Nyberg DA, et al. **AJR** 1984 Aug;143(2):261–3

Intraabdominal pressure and ascitic fluid volume in decompensated liver cirrhosis. Buhac I, et al. **Am J Gastroenterol** 1984 Jul;79(7):569–72

Bloody ascitic fluid [letter] Natangelo R, et al. **Am J Gastroenterol** 1984 Sep;79(9):738

Correlation of ascitic fluid cytology with histologic findings before and after treatment of ovarian cancer. Yoshimura S, et al. **Am J Obstet Gynecol** 1984 Mar 15;148(6):716–21

The value of sequential peritoneal profile in blunt abdominal trauma. Kusminsky RE, et al. **Am Surg** 1984 May; 50(5):248–53

Regular reinfusion of ascites during haemodialysis in a patient with amyloidosis. Nicholls AJ, et al. **Br Med J [Clin Res]** 1983 Sep 10;287(6394):726

Identification of human mesothelial cells in culture by electron microscopy and antibodies. Jap PH, et al. **Cell Biol Int Rep** 1984 Apr;8(4):274

Ascitic fluid removal: does it cause renal or hemodynamic decompensation? Carey WD, et al. **Cleve Clin Q** 1983 Winter;50(4):397–400

Massive lymphorrhoea after fine needle biopsy of the cystic haemolymphangioma of the liver. Damascelli B, et al. **Eur J Radiol** 1984 May;4(2):107–9

Physiopathology and surgical treatment of extravasated peritoneal fluid after transurethral resection. Montesinos Baillo A, et al. **Eur Urol** 1984;10(3):183–6

Peritoneal fluid and serum steroids in infertility patients. Lesorgen PR, et al. **Fertil Steril** 1984 Aug;42(2):237–42

Detection of intraperitoneal bile accumulations: significance of ultrasonography, CT, and cholescintigraphy. Lorenz R, et al. **Gastrointest Radiol** 1984;9(3):213–7

The triangle sign: a CT sign of intraperitoneal fluid. Rust RJ, et al. **Gastrointest Radiol** 1984;9(2):107–13

Peritoneal cytology in patients with squamous cell carcinoma of the cervix. Kilgore LC, et al. **Gynecol Oncol** 1984 Sep; 19(1):24–9

Ascitic fluid analysis in the differentiation of spontaneous bacterial peritonitis from gastrointestinal tract perforation into ascitic fluid. Runyon BA, et al. **Hepatology** 1984 May–Jun;4(3):447–50

Separation of macrophages from mouse peritoneal exudate cells with substrata coated with chemically modified collagens. Kasai S, et al. **J Biomed Mater Res** 1984 Mar; 18(3):243–53

Observations on CT differentiation of pleural and peritoneal fluid. Griffin DJ, et al. **J Comput Assist Tomogr** 1984 Feb; 8(1):24–8

A C5a inhibitor in peritoneal fluid. Matzner Y, et al. **J Lab Clin Med** 1984 Feb;103(2):227–35

Prevention of carcinomatosis and bloody malignant ascites in the rat by an inhibitor of angiogenesis. Heuser LS, et al. **J Surg Res** 1984 Mar;36(3):244–50

The butterfly sign [letter] Vincent LM. **J Ultrasound Med** 1983 Nov;2(11):527–8

Output of peritoneal cells into peritoneal dialysate. Cytochemical and functional studies. Cichocki T, et al. **Nephron** 1983;35(3):175–82

Sonographic evidence of intraperitoneal fluid. An experimental study and its clinical implications. Dinkel E, et al. **Pediatr Radiol** 1984;14(5):299–303

Low-molecular-weight substance in peritoneal exudate is antibacterial at febrile temperature. Scales WE, et al. **Proc Soc Exp Biol Med** 1984 Feb;175(2):233–6

Malignant effusions as oncologic emergencies. Hausheer F, et al. **Prog Clin Biol Res** 1983;132D:347–60

The lesser sac and gastrohepatic recess: sonographic appearance and differentiation of fluid collections. Vincent LM, et al. **Radiology** 1984 Feb;150(2):515–9

Crosslinked fibrin derivatives and fibronectin in ascitic fluid from patients with ovarian cancer compared to ascitic fluid in liver cirrhosis. Hafter R, et al. **Thromb Res** 1984 Jul 1;35(1):53–64

Migrations of fluid of pancreatic origin: ultrasonic and CT study of 28 cases. Weill F, et al. **Ultrasound Med Biol** 1983 Sep–Oct;9(5):485–96

[Our 2-year experience with the reinfusion of concentrated ascitic fluid in liver cirrhosis with emphasis on the hemodynamic effects of the renin-angiotensin-aldosterone system] Cervinka J, et al. **Cas Lek Cesk** 1984 Apr 20; 123(16):482–4 (Eng. Abstr.) **(Cze)**

[Presence of antinatriuretic factors in cirrhotic ascites] Robin M, et al. **Acta Gastroenterol Belg** 1983 May–Jun; 46(5–6):240–4 (Eng. Abstr.) **(Fre)**

[Evaluation of the treatment of refractory ascites by ultrafiltration followed by intra-abdominal reinjection] Van Gossum M, et al. **Acta Gastroenterol Belg** 1983 May–Jun; 46(5–6):232–9 (Eng. Abstr.) **(Fre)**

[Peritoneal mesothelioma responsible for gelatinous disease of the peritoneum (letter)] Bataille C, et al. **Gastroenterol Clin Biol** 1984 Feb;8(2):195–6 **(Fre)**

[CT of peritoneal effusions and their anatomic topography] Louis O, et al. **J Belge Radiol** 1983;66(2):107–12 (Eng. Abstr.) **(Fre)**

[Percutaneous peritoneal drainage after transhepatic puncture (letter)] Portalez D. **Presse Med** 1984 May 12;13(20):1273–4 **(Fre)**

[The renin-angiotensin-aldosterone system during the extraction, concentration and reinfusion of ascitic fluid in cirrhotic patients] Giorcelli V, et al. **Arch Sci Med (Torino)** 1983 Jul–Sep;140(3):273–80 (Eng. Abstr.) **(Ita)**

[Inflammatory reaction to polyester material in the guinea pig. V. Semiautomatic determination of peritoneal cell volume] Ventrelli I, et al. **Boll Soc Ital Biol Sper** 1983 Aug 30;59(8):1197–203 (Eng. Abstr.) **(Ita)**

[Role of peritoneal lavage in the diagnosis of hemoperitoneum] Pollice S, et al. **Minerva Chir** 1983 Aug 15–31;38(15–16):1179–83 (Eng. Abstr.) **(Ita)**

[Changes in the renin-aldosterone system in patients with hepatic cirrhosis during concentration-reinfusion of ascitic fluid] Giudici Cipriani A, et al. **Recenti Prog Med** 1983 Dec;74(12):1360–9 (Eng. Abstr.) **(Ita)**

[A cytological study of peritoneal fluid obtained in gynecological laparotomies—with special reference to the diagnosis of ovarian malignancy] Fujimaru J, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Jun;36(6):917–26 (Eng. Abstr.) **(Jpn)**

[Cytodiagnosis and general physical findings—pathophysiology of the membranes lining the body cavities and the characteristics of the body fluids] Tajima M, et al. **Rinsho Byori** 1983 Sep;31(9):961–6 (15 ref.) **(Jpn)**

[Retransfusion of ascites fluid in cirrhotic patients, using external peritoneovenous and peritoneopulmonary shunts (personal technic)] Mircea N, et al. **Rev Chir [Chir]** 1984 Jan–Feb;33(1):45–54 (Eng. Abstr.) **(Rum)**

[Action of low-frequency ultrasound on the peritoneum, peritoneal exudate cells and the course of experimental peritonitis] Paukov VS, et al. **Biull Eksp Biol Med** 1984 Aug;97(8):168–72 (Eng. Abstr.) **(Rus)**

[Comparative characteristics of cultivating granulocyte-macrophage colony-forming cells in the bone marrow and abdominal cavity in situ] Popov GK, et al. **Patol Fiziol Eksp Ter** 1983 Sep–Oct;(5):73–5 (Eng. Abstr.) **(Rus)**

[Nonprecipitability of the nucleic factor in the ultracentrifugation of tumor ascitic fluid] Belokhvostov AS. **Vopr Onkol** 1984;30(7):94–6 (Eng. Abstr.) **(Rus)**

[Effect of low-frequency ultrasound on the chemotactic and phagocytic activity of peritoneal macrophages in rats]

Kochemasova ZN, et al.
Zh Mikrobiol Epidemiol Immunobiol 1983 Dec;(12):64–7 (Eng. Abstr.) **(Rus)**

[Streptococcus group A L-form survival in mouse peritoneal macrophages] Neustroeva VV, et al.
Zh Mikrobiol Epidemiol Immunobiol 1983 Dec;(12):45–6 (Eng. Abstr.) **(Rus)**

ANALYSIS

[Markerfunction of crosslinked fibrin derivatives in ascitic fluid from patients with ovarian cancer: a comparison with ascitic fluid in liver cirrhosis] Graeff H, et al.
Geburtshilfe Frauenheilkd 1983 Jun;43 Suppl 1:42–6 (Eng. Abstr.) **(Ger)**

CYTOLOGY

[NADPase and NADase in the peritoneal macrophages of mice] Nemchinskaia VL, et al. **Tsitologiia** 1983 Jul; 25(7):799–804 (Eng. Abstr.) **(Rus)**

[Cytogenetics in the diagnosis of malignancy in effusions] Bello MJ, et al. **Rev Clin Esp** 1983 May 31;169(4):229–32 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

Fractionation of untreated and inflammatory murine peritoneal macrophages on discontinuous Percoll density gradients. Rasmussen SE, et al.
Acta Pathol Microbiol Immunol Scand [C] 1983 Aug; 91(4):299–304

Release of phospholipase A2 activity from rabbit peritoneal neutrophils by f-Met-Leu-Phe. Lanni C, et al.
Am J Pathol 1983 Oct;113(1):90–4

Quantitation of arachidonic acid lipoxygenase products in malignant and nonmalignant effusions. Valone FH.
Cancer Res 1983 Dec;43(12 Pt 1):5695–8

Lactate dehydrogenase & its isoenzymes in biofluids of various diseases. Lakshmi Sarojini B, et al.
Indian J Med Res 1983 Aug;78:261–5

[Phosphohexose isomerase in cyst fluids and effusions as a complement to cytological diagnosis] Geier G, et al.
Fortschr Med 1983 Dec 8;101(46):2146–50 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Patterns of reactivity of four novel monoclonal antibodies (B72.3, DF3, B1.1 and B6.2) with cells in human malignant and benign effusions. Szpak CA, et al.
Acta Cytol (Baltimore) 1984 Jul-Aug;28(4):356–67

Opsonic activity of ascitic fluids from Plasmodium falciparum-infected Saimiri monkey: positive correlation with protection in passive transfer assay. Michel JC, et al. **Ann Immunol (Paris)** 1983 Nov-Dec;134D(3):373–83

The adjuvant effect of peritoneal fluid in experimental peritonitis. Mechanism and clinical implications. Dunn DL, et al. **Ann Surg** 1984 Jan;199(1):37–43

Effects of soluble mediators generated during growth of the Landschütz ascites carcinoma on the chemotaxis of normal and Corynebacterium parvum-stimulated peritoneal leucocytes. McIntosh LC, et al. **Br J Exp Pathol** 1984 Aug; 65(4):441–51

Evidence of degradation of factor VIII-antigen in ascitic fluid [letter] Vicente V, et al. **Br J Haematol** 1983 Nov; 55(3):555–7

Eradication of tumor cells after injection into immunized hosts compared with the eradication of tumor cells after transfer of immune peritoneal exudates into tumor-bearing recipients. Den Otter W, et al.
Cancer Immunol Immunother 1983;16(2):72–6

Dynamics of cytochemically distinct subpopulations of macrophages in elicited rat peritoneal exudates. Beelen RH, et al. **Cell Immunol** 1983 Dec;a2(2):246–57

Purification of monoclonal antibodies from mouse ascites eliminates contaminating infectious mouse type C viruses and nucleic acids. Levy JA, et al. **Clin Exp Immunol** 1984 Apr;56(1):114–20

Avian peritoneal exudate cells: a comparison of stimulation protocols. Trembicki KA, et al. **Dev Comp Immunol** 1984 Spring;8(2):395–402

Immune complexes in ovarian cancer: association between IgM class complexes and antinuclear autoantibodies in ascitic fluid. Silburn PA, et al.
Int Arch Allergy Appl Immunol 1984;74(1):63–6

Inhibitors of lymphocyte activity in peritoneal fluid of continuous ambulatory peritoneal dialysis (CAPD). Giangrande A, et al. **Int J Artif Organs** 1984 Mar;7(2):63–6

In vivo effect of clofazimine in the lysosomal enzyme level and immune complex phagocytosis of mouse peritoneal macrophages. Sarracent J, et al. **Int J Lepr** 1984 Jun; 52(2):154–8

Immunocytochemical staining with monoclonal antibodies in cytologically 'negative' serous effusions from patients with malignant disease. Ghosh AK, et al. **J Clin Pathol** 1983 Oct;36(10):1150–3

Immunocytochemical staining of cells in pleural and peritoneal effusions with a panel of monoclonal antibodies. Ghosh AK, et al. **J Clin Pathol** 1983 Oct;36(10):1154–64

Proliferation of peritoneal mast cells in the skin of W/Wv mice that genetically lack mast cells. Sonoda T, et al.
J Exp Med 1984 Jul 1;160(1):138–51

Production of large quantities of human immunoglobulin in the ascites of athymic mice: implications for the development of anti-human idiotype monoclonal antibodies. Abrams PG, et al. **J Immunol** 1984 Apr; 132(4):1611–3

Histamine-containing cells in human peritoneal fluid. Fox CC, et al. **J Immunol** 1984 May;132(5):2177–9

Mechanism of cell-mediated cytotoxicity at the single cell level. VIII. Kinetics of lysis of target cells bound by more than one cytotoxic T lymphocyte. Perelson AS, et al.
J Immunol 1984 May;132(5):2190–8

Nonspecific cytotoxicity of vaccinia-induced peritoneal exudates in hamsters is mediated by Thy-1.2 homologue-positive cells distinct from NK cells and macrophages. Yang H, et al. **J Immunol** 1983 Nov; 131(5):2545–50

Rat monoclonal antibodies. II. A rapid and efficient method of purification from ascitic fluid or serum. Bazin H, et al.
J Immunol Methods 1984 Jun 8;71(1):9–16

Rapid and efficient purification of mouse monoclonal antibodies from ascites fluid using high performance liquid chromatography. Burchiel SW, et al.
J Immunol Methods 1984 Apr 13;69(1):33–42

Adaptation of the Boyden chamber to flow conditions: rheological effects on chemotaxis. Elvin P, et al.
J Immunol Methods 1983 Nov 25;64(3):295–301

Relation between avidity and specificity of monoclonal anti-chlamydial antibodies in culture supernatants and ascitic fluids determined by enzyme immunoassay. Matikainen MT, et al. **J Immunol Methods** 1984 Sep 4; 72(2):341–7

Immunological studies of ascitic fluid in patients with cirrhosis of the liver and hepatitis B surface antigen. Nakhla NB, et al. **J Infect** 1983 Sep;7(2):139–43

Evolution of sarcoma 180 in mice infected with Trypanosoma cruzi. Pereira FE, et al. **Mem Inst Oswaldo Cruz** 1983 Jul-Sep;78(3):237–44

C5a-inhibitor deficiency in peritoneal fluids from patients with familial Mediterranean fever. Matzner Y, et al.
N Engl J Med 1984 Aug 2;311(5):287–90

Chemiluminescence response of peritoneal exudate cells from mice infected with virulent and avirulent strains of Toxoplasma gondii. Masihi KN, et al. **Parasite Immunol** 1984 May;6(3):235–41

A routine source of human peritoneal macrophages. Maddox Y, et al. **Scand J Immunol** 1984 Jan;19(1):23–9

Competition of chemically related antigens for presentation by accessory cells to T cells requires expenditure of metabolic energy by the accessory cells. Werdelin O, et al. **Scand J Immunol** 1983 Dec;18(6):561–6

[Clinical importance of HbsAg in the abdominal fluid in ascitic states] Krtek V, et al. **Cas Lek Cesk** 1984 Jan 20; 123(3):73–5 (Eng. Abstr.) **(Cze)**

[Carcinoembryonic antigen in ascites and pleural effusions] Lirzin P, et al. **Gastroenterol Clin Biol** 1984 Mar;8(3):222–7 (Eng. Abstr.) **(Fre)**

[Production of carcinoembryonic antigen by a benign cystadenoma of the ovary. Association with gelatinous disease of the peritoneum (letter)] Pagé M, et al.
Presse Med 1984 Feb 25;13(8):503 **(Fre)**

[Suppression of immunological response by ascitic fluid from gastrointestinal cancer patients] Amemiya K.
Nippon Geka Gakkai Zasshi 1983 Dec;84(12):1229–36 (Eng. Abstr.) **(Jpn)**

[Migration activity of peritoneal exudate cells in Syrian hamsters in normal conditions and during suppression of their natural resistance to tumors] Kashkina LM, et al.
Biull Eksp Biol Med 1984 Mar;97(3):334–6 (Eng. Abstr.) **(Rus)**

[Functional changes in the alveolar and peritoneal macrophages of rats exposed to quartz dust] Merkur'eva RV, et al. **Gig Sanit** 1984 Jun;(6):16–8 **(Rus)**

[Production of hyperimmune sera and immune ascitic fluids to influenza virus protein M by immunization with a protein-polyelectrolyte conjugate] Petrov RV, et al.
Vopr Virusol 1984 May-Jun;29(3):271–3 (Eng. Abstr.) **(Rus)**

[Effect of thymectomy and syngeneic thymocytes on colony formation by hematopoietic precursor cells in the peritoneal cavity] Kompaniets NA, et al.
Zh Mikrobiol Epidemiol Immunobiol 1983 Jul;(7):84–8 (Eng. Abstr.) **(Rus)**

METABOLISM

Superiority of the serum-ascites albumin difference over the ascites total protein concentration in separation of 'transudative' and 'exudative' ascites. Rector WG Jr, et al. **Am J Med** 1984 Jul;77(1):83–5

The prostanoid content in peritoneal fluid and plasma of women with endometriosis. Sgarlata CS, et al.
Am J Obstet Gynecol 1983 Nov 1;147(5):563–5

Distribution of ceftazidime in ascitic fluid. Benoni G, et al.
Antimicrob Agents Chemother 1984 Jun;25(6):760–3

Penetration of sulbactam and ampicillin into peritoneal fluid. Wise R, et al. **Antimicrob Agents Chemother** 1983 Aug; 24(2):290–2

Intraperitoneal penetration of cefotetan. Wise R, et al.
Antimicrob Agents Chemother 1983 Aug;24(2):279–81

A comparison of histamine secretion from peritoneal mast cells of the rat and hamster. Leung KB, et al.
Br J Pharmacol 1984 Apr;81(4):693–701

Tobramycin disposition into ascitic fluid. Hodgman T, et al.
Clin Pharm 1984 Mar-Apr;3(2):203–5

Tumor-induced growth-inhibitory activity isolated from the Yoshida ascites fluid by extraction with methanol. Krøll J, et al. **Eur J Cancer Clin Oncol** 1984 Jun;20(6):793–90

Ovulation stigma and concentration of progesterone and estradiol in peritoneal fluid: relation with fertility and endometriosis. Dhont M, et al. **Fertil Steril** 1984 Jun; 41(6):872–7

The intraperitoneal penetration of temocillin. Wise R, et al.
J Antimicrob Chemother 1983 Jul;12(1):93–6

Quantitative determination of furosemide in plasma, plasma water, urine and ascites fluid by high-performance liquid chromatography. Uchino K, et al. **J Chromatogr** 1984 Jun 8;308:241–9

Thyroid hormones in ascitic fluid of patients with hepatosplenic bilharziasis. Taha MA, et al.
J Egypt Soc Parasitol 1984 Jun;14(1):65–9

The presence of glucagon in ascitic fluid in cirrhotic patients. Kabadi UM, et al. **J Endocrinol Invest** 1983 Jun;6(3):229–34

Immunologically induced generation of tetraene and pentaene leukotrienes in the peritoneal cavities of menhaden-fed rats. Leitch AG, et al. **J Immunol** 1984 May; 132(5):2559–65

Intraabdominal pressure and resorption of ascites in decompensated liver cirrhosis. Buhac I, et al.
J Lab Clin Med 1984 Aug;104(2):264–70

A radiochemical assay for detection of leukotriene B4 production from isolated cells. Aharony D, et al.
J Pharmacol Methods 1984 Apr;11(2):125–35

Studies on the mechanisms of the inhibitory effect of N-5' on histamine release from rat peritoneal exudate cells. Kubota T, et al. **Jpn J Pharmacol** 1983 Aug;33(4):837–43

Peritoneal ammonia, a possible inhibitor for blood amino acid loss. Giordano C, et al. **Kidney Int [Suppl]** 1983 Dec; 16:S71–6

Losses of 1,25- and 24,25-dihydroxycholecalciferol in the peritoneal fluid of patients treated with continuous ambulatory peritoneal dialysis. Shany S, et al. **Nephron** 1984;36(2):111–3

Concentrations of gentamicin in ascitic fluid after intravenous infusion. Fevery J, et al. **Neth J Med** 1983;26(7):191–2

Peritoneal fluid prostaglandins in endometriosis, tubal disorders, and unexplained infertility. Ylikorkala O, et al.
Obstet Gynecol 1984 May;63(5):616–20

Some aspects of the composition of avian ascitic fluid. Hulan HW, et al. **Poult Sci** 1984 Jul;63(7):1357–63

Determination of albumin transport rate between plasma and peritoneal space in decompensated cirrhosis. Henriksen JH, et al. **Scand J Clin Lab Invest** 1984 Apr;44(2):143–9

Tuberculosis peritonitis: diagnostic value of the ascitic/blood glucose ratio. Wilkins EG. **Tubercle** 1984 Mar;65(1):47–52

[Penetration of cefbuperazone, a new cephamycin antibiotic, into human peritoneal exudate] Watanabe Y, et al.
Jpn J Antibiot 1984 Feb;37(2):261–6 (Eng. Abstr.) **(Jpn)**

[Diagnostic criteria for the tumor markers of the body fluids] Konishi K, et al. **Rinsho Byori** 1983 Sep;31(9):945–54 **(Jpn)**

[Deviations in glycoprotein contents in malignant ascitic fluid and pleural effusions] Ohtani H. **Rinsho Byori** 1983 Sep; 31(9):940–4 **(Jpn)**

[Clinical examination of the body cavity fluids] Seki T.
Rinsho Byori 1983 Sep;31(9):934–9 **(Jpn)**

[Differential examination of the serous fluid and key points in clinical tests] Takayanagi N. **Rinsho Byori** 1983 Sep; 31(9):927–33 **(Jpn)**

[Distribution of concanavalin A on the surface of cells from human body fluids] Lubiński J. **Ann Acad Med Stetin** 1983; 29:163–82 (110 ref.) (Eng. Abstr.) **(Pol)**

[Hormonal composition of peritoneal fluid as an indication of the functional status of the corpus luteum in various gynecologic diseases] Torganova IG, et al.
Akush Ginekol (Mosk) 1983 Sep;(9):10–3 (14 ref.) (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

[Peritoneal cryptococcosis: discussion of clinical facts] Masure O, et al. **Bull Soc Pathol Exot Filiales** 1983 Aug-Oct;76(4):346–50 (Eng. Abstr.) **(Fre)**

[Ascitic pH and infection in alcoholic cirrhosis] Attali P, et al. **Gastroenterol Clin Biol** 1984 Jun-Jul;8(6-7):518–22 (Eng. Abstr.) **(Fre)**

[Microflora of the peritoneal exudate in appendicular peritonitis in children] Lomnitskaia VB, et al. **Pediatriia** 1983 Sep;(9):45–7 **(Rus)**

[Spontaneous infection of the ascitic fluid in cirrhotic patients. Incidence, clinical and bacteriological features and mortality in a general hospital] Tor J, et al.
Med Clin (Barc) 1983 Jun 18;81(2):53–6 (Eng. Abstr.) **(Spa)**

PARASITOLOGY

Toxoplasma gondii: purification of zoites from peritoneal exudates by eight methods. Dempster RP. **Exp Parasitol** 1984 Apr;57(2):195–207

Interaction of avirulent Leishmania species with rat peritoneal macrophages. Bastardo T, et al.
Mem Inst Oswaldo Cruz 1983 Jan-Mar;78(1):21–6

Interactions between Leishmania mexicana mexicana promastigotes and amastigotes and murine peritoneal macrophages in vitro. Grimaldi G Jr, et al.
Mem Inst Oswaldo Cruz 1983 Apr-Jun;78(2):135–46

Lipoprotein lipase suppression in 3T3-L1 cells by a

haematoprotozoan-induced mediator from peritoneal exudate cells. Hotez PJ, et al. **Parasite Immunol** 1984 May; 6(3):203–9

PATHOLOGY

Inhibitory factors derived from human tumors: isolation of factors which suppress macrophage mediated cytotoxicity. Cameron DJ. **Int J Immunopharmacol** 1983;5(4):345–52

ASCOMYCETES

Phototoxic dermatitis from Sclerotinia sclerotiorum infected celery [letter] Borghijs A, et al. **Contact Dermatitis** 1984 Jul;11(1):59

Comparative toxicity of Chaetomium contaminated corn and various chemical forms of oosporein in broiler chicks. Manning RO, et al. **Poult Sci** 1984 Feb;63(2):251–9

[Effect of a polysaccharide isolated from the fungus Cyttaria johowii on the growth of sarcoma 180 in mice] Chasseing NA, et al. **Medicina (B Aires)** 1983;43(2):147–52 (Eng. Abstr.) **(Spa)**

ANALYSIS

Structure and antitumor activity of an alkali-soluble polysaccharide from Cordyceps ophioglossoides. Yamada H, et al. **Carbohydr Res** 1984 Jan 10;125(1):107–15

Yeast ribosomal proteins: VII. Cytoplasmic ribosomal proteins from Schizosaccharomyces pombe. Otaka E, et al. **MGG** 1983;191(3):519–24

[Thin-layer spectrofluorometric microanalysis of monomethylhydrazine in Gyromitra esculenta] Andary C, et al. **J Chromatogr** 1984 Apr 6;287(2):419–24 **(Fre)**

CYTOLOGY

[Cellular inequivalence in a culture of Schizosaccharomyces pombe] Vraná D. **Mikrobiologiia** 1984 Jan–Feb;53(1):48–9 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Susceptibility of Saccharomyces spp. and Schwanniomyces spp. to the aminoglycoside antibiotic G418. Panchal CJ, et al. **Appl Environ Microbiol** 1984 May;47(5):1164–6

Susceptibility testing of filamentous fungi to amphotericin B by a rapid radiometric method. Merz WG, et al. **J Clin Microbiol** 1984 Jan;19(1):54–6

Use of nystatin for random spore selection in the yeast Saccharomycopsis lipolytica. Barth G, et al. **Z Allg Mikrobiol** 1984;24(2):125–7

[Effects of cadmium, zinc, lead and mercury on the growth and accumulating ability of Saccharomyces cerevisiae, Saccharomycopsis lipolytica, Candida tropicalis, and Candida utilis] Grafl HJ, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Jan; 177(1–2):57–74 (Eng. Abstr.) **(Ger)**

[Fluorescence microscopic study of cells and polykaryons in the early periods following polyethylene glycol treatment] Borodina VM, et al. **Tsitologiia** 1983 Jul; 25(7):759–64 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Antigenic relationships between plasma membrane ATPases of two different yeasts, Candida tropicalis and Schizosaccharomyces pombe. Blasco F, et al. **Biochem Biophys Res Commun** 1983 Sep 30;115(3):1114–9

A temperature-jump study of the electron transfer reactions in Hansenula anomala flavocytochrome b2. Tegoni M, et al. **Eur J Biochem** 1984 Apr 2;140(1):39–45

Reversibility characteristics of glucose-induced trehalase activation associated with the breaking of dormancy in yeast ascospores. Thevelein JM, et al. **Eur J Biochem** 1983 Nov 15;136(3):583–7

Study of the Hansenula anomala yeast flavocytochrome-b2—cytochrome-c complex 1. Characterization of fluorescent Zn(II)-substituted cytochrome c. Thomas MA, et al. **Eur J Biochem** 1983 Oct 3;135(3):569–76

Study of the Hansenula anomala yeast flavocytochrome-b2-cytochrome-c complex 2. Localization of the main association area. Thomas MA, et al. **Eur J Biochem** 1983 Oct 3;135(3):577–81

Cyclic activity of L-asparaginase through reversible phosphorylation in Leptosphaeria michotii. Jerebzoff S, et al. **FEBS Lett** 1984 Jun 4;171(1):67–71

Mechanism of action and structural properties of an intracellular alpha-glucosidase from Thermoascus aurantiacus Miehe. Bedino S, et al. **Ital J Biochem** 1983 Nov–Dec;32(6):408–17

Multiple forms of intracellular alpha-glucosidase from Thermoascus aurantiacus Miehe: purification and properties. Bedino S, et al. **Ital J Biochem** 1983 Nov–Dec; 32(6):371–84

Isolation of the structural genes for the alpha and beta subunits of the mitochondrial ATPase from the fission yeast Schizosaccharomyces pombe. Boutry M, et al. **J Biol Chem** 1984 Mar 10;259(5):2840–4

Purification and phosphorylation of fructose-1,6-bisphosphatase from Kluyveromyces fragilis. Toyoda Y, et al. **J Biol Chem** 1984 Jul 25;259(14):8718–23

Independent loci for the structural genes of the yeast mitochondrial alpha and beta ATPase subunits. Vassarotti A, et al. **J Biol Chem** 1984 Mar 10;259(5):2845–9

Production of proteolytic enzymes with special reference to fibrinolytic enzymes by fungi. Abdel-Fattah AF, et al. **Microbiol Esp** 1983 Jul–Dec;36(3–4):59–64

Histochemical localization of thiamine pyrophosphatase in the lomasomes in asci of Arthroderma vanbreuseghemii. Tanaka S, et al. **Sabouraudia** 1984;22(2):159–61

[Purification and isolation of the arom aggregates of Schizosaccharomyces pombe] Bode R, et al. **Z Allg Mikrobiol** 1983;23(5):289–96 (Eng. Abstr.) **(Ger)**

[The iron-sulfur center N-2 from NADH-dehydrogenase during direct and reverse electron transport in the mitochondria of rat liver and the yeast Endomyces magnusii] Burbaev DSh, et al. **Biofizika** 1983 Jul–Aug; 28(4):606–11 (Eng. Abstr.) **(Rus)**

[Changes in the enzyme activity of flavinogenesis in the process of culturing the fungus Eremothecium ashbyii] Koltun LV, et al. **Mikrobiologiia** 1984 Jan–Feb;53(1):43–7 (Eng. Abstr.) **(Rus)**

GENETICS

Isolation of chloramphenicol-resistant mutants of Kluyveromyces lactis and characterization by mitotic segregation analysis of fused hybrids. Allmark BM. **Antonie Van Leeuwenhoek** 1984;50(2):167–75

Identification of the pleiotropic cell division cycle gene NDA2 as one of two different alpha-tubulin genes in Schizosaccharomyces pombe. Toda T, et al. **Cell** 1984 May; 37(1):233–42

Rearrangements of the transposable mating-type cassettes of fission yeast. Beach DH, et al. **EMBO J** 1984 Mar; 3(3):603–10

Expression of the cloned uracil permease gene of Saccharomyces cerevisiae in a heterologous membrane. Chevallier MR, et al. **EMBO J** 1982;1(3):375–7

The Schizosaccharomyces pombe sup3-i suppressor recognizes ochre, but not amber codons in vitro and in vivo. Hottinger H, et al. **EMBO J** 1984 Feb;3(2):423–8

Gene conversion: point-mutation heterozygosities lower heteroduplex formation. Nicolas A, et al. **EMBO J** 1983; 2(12):2265–70

Mutations affecting excision of the intron from a eukaryotic dimeric tRNA precursor. Willis I, et al. **EMBO J** 1984 Jul;3(7):1573–80

A 20 X 10(3)-base mosaic gene identified on the mitochondrial chromosome of Podospora anserina. Jamet-Vierny C, et al. **Eur J Biochem** 1984 Sep 3; 143(2):389–94

A note on the presence of novel DNA species in the spoilage yeasts Zygosaccharomyces bailii and Pichia membranaefaciens. Painting KA, et al. **J Appl Bacteriol** 1984 Apr;56(2):331–5

Transformation of Kluyveromyces fragilis. Das S, et al. **J Bacteriol** 1984 Jun;158(3):1165–7

Incompatibility of linear DNA killer plasmids pGKL1 and pGKL2 from Kluyveromyces lactis with mitochondrial DNA from Saccharomyces cerevisiae. Gunge N, et al. **J Bacteriol** 1984 Aug;159(2):533–9

Characterization of Saccharomycopsis lipolytica mutants that express temperature-sensitive synthesis of isocitrate lyase. Matsuoka M, et al. **J Bacteriol** 1984 Mar;157(3):899–908

A meiotic mutant of the fission yeast Schizosaccharomyces pombe that produces mature asci containing two diploid spores. Nakaseko Y, et al. **J Bacteriol** 1984 Jan;157(1):334–6

Genetic and biochemical characterization of the galactose gene cluster in Kluyveromyces lactis. Riley MI, et al. **J Bacteriol** 1984 May;158(2):705–12

Complementation of a Schizosaccharomyces pombe mutant lacking the beta subunit of the mitochondrial ATPase by the ATP2 gene of Saccharomyces cerevisiae. Boutry M, et al. **J Biol Chem** 1983 Dec 25;258(24):15214–9

An antisuppressor mutation of Schizosaccharomyces pombe affects the post-transcriptional modification of the 'wobble' base in the anticodon of tRNAs. Heyer WD, et al. **J Biol Chem** 1984 Mar 10;259(5):2856–62

Sequence complexities of the nuclear and mitochondrial genomes of the take-all fungus, Gaeumannomyces graminis var. tritici. McFadden JJ, et al. **J Gen Microbiol** 1983 Nov; 129 (Pt 11):3515–7

Immunological comparison of individual ribosomal proteins in six species of the genus Podospora. Le Goff V, et al. **MGG** 1984;193(1):143–8

Biosynthesis and regulation of the peroxisomal methanol oxidase from the methylotrophic yeast Hansenula polymorpha. Roggenkamp R, et al. **MGG** 1984; 194(3):489–93

High-frequency cotransformation by copolymerization of plasmids in the fission yeast Schizosaccharomyces pombe. Sakai K, et al. **Mol Cell Biol** 1984 Apr;4(4):651–6

Mitochondrial DNA in Podospora anserina. A molecular approach to cellular senescence. Cummings DJ. **Monogr Dev Biol** 1984;17:254–66

A system for the detection of chromosomal rearrangements using Sordaria macrospora. Arnaise S, et al. **Mutat Res** 1984 Jan;125(1):33–42

Mutagenic relevance of rat hepatocyte nuclei in the activation and inactivation of xenobiotica. Cyclophosphamide and epichlorohydrin activity on the yeasts S. pombe and S. cerevisiae. Migliore L, et al. **Mutat Res** 1983 Nov;111(3):313–23

The effect of spermine on spontaneous and UV-induced mutations in Schizosaccharomyces pombe. Prendergast JA, et al. **Mutat Res** 1984 Feb;125(2):205–11

Analysis of a eukaryotic beta-galactosidase gene: the N-terminal end of the yeast Kluyveromyces lactis protein shows homology to the Escherichia coli lacZ gene product. Breunig KD, et al. **Nucleic Acids Res** 1984 Mar 12; 12(5):2327–41

Six Schizosaccharomyces pombe tRNA genes including a gene for a tRNALys with an intervening sequence which cannot base-pair with the anticodon. Gamulin V, et al. **Nucleic Acids Res** 1983 Dec 20;11(24):8537–46

A conserved sequence element is present around the transcription initiation site for RNA polymerase A in Saccharomycetoideae. Verbeet MP, et al. **Nucleic Acids Res** 1984 Jan 25;12(2):1137–48

Genes required for initiation and resolution steps of mating-type switching in fission yeast. Egel R, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(11):3481–5

Development of breeding stocks of the yeast Saccharomycopsis lipolytica by methods of moderate inbreeding. Kurischko C, et al. **Z Allg Mikrobiol** 1983; 23(8):513–5 (12 ref.)

[DNA–DNA hybridization in several species of Hansenula] Poncet S, et al. **Mycopathologia** 1984 May 30;86(2):71–6 **(Fre)**

[Analysis of cell cycle in yeasts] Iino Y, et al. **Tanpakushitsu Kakusan Koso** 1984 Mar;29(3):181–90 (56 ref.) **(Jpn)**

[Replicating instability and ploidy of Schizosaccharomyces pombe] Kurennaia ON, et al. **Dokl Akad Nauk SSSR** 1983; 271(4):980–4 **(Rus)**

[Characteristics of the segregation of a new remote hybrid compared to an earlier remote hybrid obtained from crossing Saccharomyces cerevisiae with Schizosaccharomyces pombe] Kosikov KV. **Mikrobiologiia** 1983 May–Jun;52(3):512–4 (Eng. Abstr.) **(Rus)**

[Hybridization of asporogenic strains of Hansenula polymorpha yeasts by protoplast fusion] Savchenko GV, et al. **Mikrobiologiia** 1983 May–Jun;52(3):449–54 (Eng. Abstr.) **(Rus)**

[Instability of the mitochondrial genome] Nevzgliadova OV. **Mol Biol (Mosk)** 1984 Mar–Apr;18(2):293–312 (109 ref.) (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Primary metabolite or microbial protein from cellulose: conditions, kinetics, and modeling of the simultaneous saccharification and fermentation to citric acid. Asenjo JA, et al. **Ann NY Acad Sci** 1983;413:211–7

Influence of temperature and water activity on growth and patulin production by Byssochlamys nivea in apple juice. Roland JO, et al. **Appl Environ Microbiol** 1984 Jan; 47(1):205–7

Eucaryote thermophily: role of lipids in the growth of Talaromyces thermophilus. Wright C, et al. **J Bacteriol** 1983 Nov;156(2):493–7

Loline alkaloids in tall fescue hay and seed and their relationship to summer fescue toxicosis in cattle. Jackson JA Jr, et al. **J Dairy Sci** 1984 Jan;67(1):104–9

[Cultivation of Endomyces magnusii yeasts under batch and continuous conditions at an acid pH] Lirova SA, et al. **Mikrobiologiia** 1983 May–Jun;52(3):514–6 (Eng. Abstr.) **(Rus)**

[Growth characteristics of haploid and diploid Hansenula polymorpha yeasts on methanol in continuous culture] Parshina SN, et al. **Mikrobiologiia** 1983 Sep–Oct; 52(5):812–5 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Development of fluorescent-antibody reagents for demonstration of Pseudallescheria boydii in tissues. Jackson JA, et al. **J Clin Microbiol** 1983 Sep;18(3):668–73

Antigenic relationships among Saccharomycopsis species. Tsukiji M, et al. **Kitasato Arch Exp Med** 1983 Sep; 56(3):99–108

ISOLATION & PURIFICATION

Mycologic identification of Emericella nidulans and Aspergillus flavus causing pulmonary infection. Shao JZ, et al. **Chin Med J [Engl]** 1983 Apr;96(4):306–8

Cyclosporin immunosuppression as the possible cause of AIDS [letter] Sell KW, et al. **N Engl J Med** 1983 Oct 27;309(17):1065

Petriellidosis (pseudallescheriasis) in southwestern Ontario, Canada. Bakerspigel A, et al. **Sabouraudia** 1984;22(3):247–9

Fungal endocarditis caused by Arnium leporinum following cardiac surgery. Restrepo A, et al. **Sabouraudia** 1984; 22(3):225–34

METABOLISM

Distribution and strain-dependent formation of volatile metabolites in the genus Ceratocystis. Sprecher E, et al. **Antonie Van Leeuwenhoek** 1983 Nov;49(4–5):493–9

Respiratory pathways in Hansenula saturnus. Viola AM, et al. **Antonie Van Leeuwenhoek** 1983 Dec;49(6):537–49

Significance of yeast peroxisomes in the metabolism of choline and ethanolamine. Zwart KB, et al. **Antonie Van Leeuwenhoek** 1983 Nov;49(4–5):369–85

A study of the maloalcoholic fermentation pathway in Schizosaccharomyces pombe. Maconi E, et al.

Biochem J 1984 Jan 15;217(2):585–8

Characterization of a novel killer toxin encoded by a double-stranded linear DNA plasmid of Kluyveromyces lactis. Sugisaki Y, et al. **Eur J Biochem** 1984 Jun 1; 141(2):241–5

Biosynthesis of riboflavin. Incorporation of 13C-labeled precursors into the xylene ring. Bacher A, et al. **J Biol Chem** 1983 Nov 25;258(22):13431–7

A new microbial degradation pathway of steroid alkaloids. Gaberc-Porekar V, et al. **J Steroid Biochem** 1983 Oct; 19(4):1509–11

Coordination of growth with cell division: regulation of synthesis of RNA during the cell cycle of the fission yeast Schizosaccharomyces pombe. Elliott SG. **MGG** 1983; 192(1–2):204–11

Regulation of the maximal rate of RNA synthesis in the fission yeast Schizosaccharomyces pombe. Elliott SG. **MGG** 1983;192(1–2):212–7

[Improvement of Y-values of Hansenula polymorpha growth on methanol by simultaneous utilization of glucose] Müller R, et al. **Z Allg Mikrobiol** 1983;23(6):375–84 (Eng. Abstr.) **(Ger)**

[Selection of mutant branched-chain amino acid producers in the methylotrophic yeasts Hansenula polymorpha] Titorenko VI, et al. **Mikrobiologiia** 1983 Nov–Dec; 52(6):979–85 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Fungus invasion of legs of the tanner crab, Chionoecetes bairdi. Hoskin GP. **Appl Environ Microbiol** 1983 Aug; 46(2):499–500

Dielectrophoretic properties of yeast cells dividing by budding and by transversal fission. Iglesias FJ, et al. **Biochim Biophys Acta** 1984 Jun 19;804(2):221–9

Ca(II)-calmodulin regulation of fungal dimorphism in Ceratocystis ulmi. Muthukumar G, et al. **J Bacteriol** 1984 Jul;159(1):390–2

[Conditions and characteristics of the early stages of the sexual interaction of Pichia amethionina var. amethionina and Pichia amethionina var. pachycereana yeast cells] Vorob'ev AV. **Mikrobiologiia** 1983 Sep–Oct;52(5):806–11 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

[Action of hypoxic sensitizers on the survival of haplont yeasts irradiated with ionizing radiation] Petin VG. **Radiobiologiia** 1984 Jan–Feb;24(1):52–5 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

An ultrastructural study of pale eumycetoma grains. Hay RJ, et al. **Sabouraudia** 1983 Dec;21(4):261–9

ASCORBATE OXIDASE see under **OXIDOREDUCTASES**

ASCORBIC ACID

Assessment of three brief methods of estimation of vitamin A and C intakes for a prospective study of cancer: comparison with dietary history. Gray GE, et al. **Am J Epidemiol** 1984 Apr;119(4):581–90

Dietary vitamin A, carotene, vitamin C and risk of lung cancer in Hawaii. Hinds MW, et al. **Am J Epidemiol** 1984 Feb;119(2):227–37

L-ascorbic acid quenching of singlet delta molecular oxygen in aqueous media: generalized antioxidant property of vitamin C. Chou PT, et al. **Biochem Biophys Res Commun** 1983 Sep 30;115(3):932–7

Multiple electrophoretic variants of Cu, Zn superoxide dismutase as expression of the enzyme aging. Effects of H2O2, ascorbate and metal ions. Mavelli I, et al. **Biochem Biophys Res Commun** 1983 Dec 28;117(3):677–81

Possible explanation and implications of the reaction of ascorbic acid with some disulphide reagents [letter] Baker WL, et al. **Biochem J** 1984 Mar 15;218(3):995–6

Structure of ascorbic acid and its biological function. I. ESR determination of the ascorbyl radical in biological samples and in model systems. Lohmann W, et al. **Biophys Struct Mech** 1984;10(4):197–204

Studies on microcapsules. II. Influence of molecular weight of ethylcellulose in the microencapsulation of ascorbic acid. Koida Y, et al. **Chem Pharm Bull (Tokyo)** 1983 Dec; 31(12):4476–82

Electron spin resonance study of the role of vitamin E and vitamin C in the inhibition of fatty acid oxidation in a model membrane. Bascetta E, et al. **Chem Phys Lipids** 1983 Aug; 33(2):207–10

Effect of amino acids, peptides and related compounds on the autooxidation of ascorbic acid. Fleming JE, et al. **Int J Pept Protein Res** 1983 Sep;22(3):355–61

DNA- and protein-scission activities of ascorbate in the presence of copper ion and a copper-peptide complex. Chiou SH. **J Biochem (Tokyo)** 1983 Oct;94(4):1259–67

Inhibition of oxidation of methyl linoleate in solution by vitamin E and vitamin C. Niki E, et al. **J Biol Chem** 1984 Apr 10;259(7):4177–82

Electrophoretic study on the DNA-breaking actions of ascorbic acid and triose reductone in the presence of Cu2+. Shinohara K, et al. **J Nutr Sci Vitaminol (Tokyo)** 1983 Aug; 29(4):481–8

Function of Cu2+ on the DNA-breaking actions of ascorbic acid and triose reductone. Shinohara K, et al. **J Nutr Sci Vitaminol (Tokyo)** 1983 Aug;29(4):489–95

Current concepts in nutrition: vitamin C. Newmark SR. **J Okla State Med Assoc** 1984 Jun;77(6):174–6

Hydroxylation of deoxyguanosine at the C-8 position by ascorbic acid and other reducing agents. Kasai H, et al. **Nucleic Acids Res** 1984 Feb 24;12(4):2137–45

Evaluation of ascorbic acid in protecting labile folic acid derivatives. Wilson SD, et al. **Proc Natl Acad Sci USA** 1983 Nov;80(21):6500–4

Use of ascorbic acid in the 51Cr labelling of mouse fibrosarcoma cells. Chaubal KA, et al. **Radiat Environ Biophys** 1984;23(1):75–8

Decalcification for electron microscopy with L-ascorbic acid. Wakita M, et al. **Stain Technol** 1983 Nov;58(6):337–41

ESR investigations on lyophilized blood: mixtures with ascorbic acid. Neubacher H. **Z Naturforsch [C]** 1984 Jan–Feb;39(1–2):174–6

[Recent knowledge concerning the biochemistry and significance of ascorbic acid] Kolb E. **Z Gesamte Inn Med** 1984 Jan 15;39(2):21–7 (53 ref.) (Eng. Abstr.) **(Ger)**

ADMINISTRATION & DOSAGE

Effect of dietary coconut oil and casein and megadoses of vitamin A or C on tissue lipid peroxidation and hemolysis in vitamin E deficiency. Krishnamurthy S, et al. **Acta Vitaminol Enzymol** 1983;5(3):165–70

In vitro effect of ascorbic acid on bovine kidney alkaline phosphatase activity. Miggiano GA, et al. **Acta Vitaminol Enzymol** 1983;5(3):153–8

The relative effect of ascorbic acid on iron absorption from soy-based and milk-based infant formulas. Gillooly M, et al. **Am J Clin Nutr** 1984 Sep;40(3):522–7

Theophylline clearance. Lack of effect of influenza vaccination and ascorbic acid. Bukowskyj M, et al. **Am Rev Respir Dis** 1984 May;129(5):672–5

The effect of high ascorbic acid supplementation on body iron stores. Cook JD, et al. **Blood** 1984 Sep;64(3):721–6

Vitamin nutrition in patients on continuous ambulatory peritoneal dialysis (CAPD). Blumberg A, et al. **Clin Nephrol** 1983 Nov;20(5):244–50

Chromium dermatitis and ascorbic acid. Valsecchi R, et al. **Contact Dermatitis** 1984 Apr;10(4):252–3

Urinary and plasma oxalate during ingestion of pure ascorbic acid: a re-evaluation. Fituri N, et al. **Eur Urol** 1983; 9(5):312–5

Influence of vitamin C status on the urinary excretion of catecholamines in stress. Kallner A. **Hum Nutr Clin Nutr** 1983 Dec;37(6):405–11

Daily diet and ascorbic acid intake in man during work in the Arid Zone. Mommadov IM, et al. **Hum Physiol** 1983 Jul–Aug;9(4):224–8

The clinical and biochemical effects of vitamin C supplementation in short-stay hospitalized geriatric patients. Hunt C, et al. **Int J Vitam Nutr Res** 1984; 54(1):65–74

Relation between ascorbic acid intake and periodontal disease in the United States. Ismail AI, et al. **J Am Dent Assoc** 1983 Dec;107(6):927–31

Responses of weanling pigs to dietary supplementation with vitamin C or carbadox. Yen JT, et al. **J Anim Sci** 1984 Jan;58(1):132–7

Parabolic response of hepatic microsomal hydroxylating system and lipids to graded doses of ascorbic acid in guinea pigs on low and high alpha-tocopherol intake. Ginter E, et al. **J Nutr** 1984 Mar;114(3):485–92

The influence of orally-administered vitamin C or zinc on the absorption of and the biological response to lead. Lauwerys R, et al. **J Occup Med** 1983 Sep;25(9):668–78

The effects of ascorbic acid and butylated hydroxyanisole in the chemoprevention of 1,2-dimethylhydrazine-induced large bowel neoplasms. Jones FE, et al. **J Surg Oncol** 1984 Jan;25(1):54–60

Malacoplakia of the bladder: a case report of resolution with bethanechol, trimethoprim-sulfamethoxazole and ascorbic acid. Stanton MJ, et al. **J Urol** 1983 Dec;130(6):1174–5

Vitamin C supplementation of total parenteral nutrition formulas. Abrahamian V, et al. **JPEN** 1983 Sep–Oct; 7(5):465–9

Effects of dietary protein level and ascorbic acid supplementation on the contents of tyrosine metabolites in droppings and plasma of chicks fed a diet containing excess tyrosine. Yanaka M, et al. **Poult Sci** 1983 Dec; 62(12):2433–41

A cure for mushroom poisoning [letter] Laing MD. **S Afr Med J** 1984 Apr 14;65(15):590

[Bovicystan treatment of subclinical ketosis in cows] Goranov Kh, et al. **Vet Med Nauki** 1983;20(3–4):73–9 (Eng. Abstr.) **(Bul)**

[Hyperthermia in children, efficacy of a drinkable solution of paracetamol] Gautry P, et al. **Sem Hop Paris** 1984 Jan 12;60(1):63–5 (Eng. Abstr.) **(Fre)**

[Effect of medroxyprogesterone acetate (MAP) and vitamin C on DMBA induced rat mammary cancer in relation to estrogen receptor(ER)] Iino Y, et al. **Gan No Rinsho** 1983 Aug;29(9):949–54 (Eng. Abstr.) **(Jpn)**

[The role of vitamins C and E in the regulation of lipid components of the blood in elderly persons] Ziemlański S, et al. **Pol Tyg Lek** 1984 Feb 27;39(9):281–8 (Eng. Abstr.) **(Pol)**

[Nutritive value of the daily diets of adolescents living in boarding schools. V. Vitamin C content] Nadolna I, et al. **Rocz Panstw Zakl Hig** 1983;34(4):335–40 (Eng. Abstr.) **(Pol)**

[Relation between vitamin C consumption and risk of ischemic heart disease] Davydenko NV, et al. **Vopr Pitan** 1983 Nov–Dec;(6):17–9 (Eng. Abstr.) **(Rus)**

[Vitamin C requirements in parenteral nutrition] Cruz Santiago G, et al. **Rev Gastroenterol Mex** 1984 Jan–Mar; 49(1):11–4 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Ascorbic acid aggravates secondary hyperoxalemia in patients on chronic hemodialysis. Balcke P, et al. **Ann Intern Med** 1984 Sep;101(3):344–5

Hyperoxaluria and renal insufficiency due to ascorbic acid administration during total parenteral nutrition. Swartz RD, et al. **Ann Intern Med** 1984 Apr;100(4):530–1

Ascorbic acid administration and urinary oxalate [letter] Tsao CS. **Ann Intern Med** 1984 Sep;101(3):405–6

Dental erosion resulting from chewable vitamin C tablets. Giunta JL. **J Am Dent Assoc** 1983 Aug;107(2):253–6

Renal failure secondary to massive infusion of vitamin C [letter] McAllister CJ, et al. **JAMA** 1984 Oct 5;252(13):1684

Toxic effects of water-soluble vitamins. Alhadeff L, et al. **Nutr Rev** 1984 Feb;42(2):33–40 (43 ref.)

Possible adverse health effects of vitamin C and ascorbic acid. Sestili MA. **Semin Oncol** 1983 Sep;10(3):299–304 (72 ref.)

ANALOGS & DERIVATIVES

A specific high-performance liquid chromatography assay for dehydroascorbic acid shows an increased content in CLL lymphocytes. Farber CM, et al. **Anal Biochem** 1983 Oct 15;134(2):355–60

Monodehydroascorbate as an electron acceptor for NADH reduction by coated vesicle and Golgi apparatus fractions of rat liver. Sun I, et al. **Biochim Biophys Acta** 1984 Feb 14;797(2):266–75

Structure of ascorbic acid and its biological function. I. ESR determination of the ascorbyl radical in biological samples and in model systems. Lohmann W, et al. **Biophys Struct Mech** 1984;10(4):197–204

Studies towards the synthesis of analogues of L-ascorbic acid. Al-Hakim AH, et al. **Carbohydr Res** 1983 Sep 16; 121:C6–9

Interaction between glucose and dehydroascorbate transport in human neutrophils and fibroblasts. Bigley R, et al. **Diabetes** 1983 Jun;32(6 Pt 1):545–8

In vitro effect of certain compounds on the lysosomal release of polymorphonuclear leukocytes. Chari SN, et al. **Indian J Physiol Pharmacol** 1983 Jul–Sep;27(3):227–33

Ascorbate (vitamin C) and dehydroascorbate stimulation of copper induced hemolysis. Protective action of ceruloplasmin, albumin and apotransferrin. Løvstad RA. **Int J Biochem** 1984;16(2):155–9

Synthesis of the 2-methyl ether of L-ascorbic acid: stability, vitamin activity, and carbon-13 nuclear magnetic resonance spectrum compared to those of the 1- and 3-methyl ethers. Lu PW, et al. **J Agric Food Chem** 1984 Jan–Feb;32(1):21–8

Effects of ascorbic and dehydroascorbic acid on the multiplication of tumor ascites cells in vitro. Liotti FS, et al. **J Cancer Res Clin Oncol** 1984;108(2):230–2

Quantitative analysis of ascorbic acid-2-sulfate by high-performance liquid chromatography with electrochemical detection. Tsao CS, et al. **J Chromatogr** 1984 Jun 8;308:306–9

Distribution of ascorbate-2-sulfate and distribution, half-life and turnover rates of [1-14C]ascorbic acid in rainbow trout. Tucker BW, et al. **J Nutr** 1984 Jun;114(6):991–1000

Plasma ascorbate concentrations and blood cell dehydroascorbate transport in patients with diabetes mellitus. Stankova L, et al. **Metabolism** 1984 Apr; 33(4):347–53

Ascorbate-2-sulfate metabolism in fish. Tucker BW, et al. **Nutr Rev** 1984 May;42(5):173–9 (52 ref.)

ANALYSIS

Ascorbic acid in the pituitary gland. 3. Bound ascorbic acid in the adenohypophysis. Kábrt J. **Acta Univ Carol [Med] (Praha)** 1982;28(5–6):345–68

Ascorbic acid in the pituitary gland. 1. Its concentration and relationship to adenohypophyseal functions. Kábrt J. **Acta Univ Carol [Med] (Praha)** 1982;28(5–6):267–322 (143 ref.)

Flow injection analysis with an enzyme reactor bed for determination of ascorbic acid in brain tissue. Bradberry CW, et al. **Anal Chem** 1983 Dec;55(14):2439–40

Further differential-pulse polarographic and visible spectrophotometric studies of the degradation of permitted synthetic food colouring matters with and without the addition of ascorbic acid: degradation in the dark and in the light without the stabilising action of EDTA. Fogg AG, et al. **Analyst** 1983 Nov;108(1292):1339–44

Comparative assessment of high-performance liquid chromatographic methods for the determination of ascorbic acid and thiamin in foods. Nicolson IA, et al. **Analyst** 1984 Mar;109(3):267–71

Biochemical analysis of human seminal plasma. I. Fructose, ascorbate, cholesterol, adenosine triphosphatase and lactic dehydrogenase. Srivastava A, et al. **Andrologia** 1983

Sep–Oct;15(5):431–5
Regional differences in extracellular ascorbic acid levels in the rat brain determined by high speed cyclic voltammetry. Stamford JA, et al. **Brain Res** 1984 May 14;299(2):289–95
Biochemical studies on the use of sodium hyaluronate in the anterior eye segment. I. Variation of protein and ascorbic acid concentration in rabbit aqueous humor. Iwata S, et al. **Curr Eye Res** 1984 Apr;3(4):605–10
Structure of ascorbic acid and its biological function. Determination of the conformation of ascorbic acid and isoascorbic acid by infrared and ultraviolet investigations. Lohmann W, et al. **Eur J Biochem** 1984 Feb 1;138(3):479–80
A direct correlation between the levels of ascorbic acid and H2O2 in aqueous humor. Giblin FJ, et al. **Exp Eye Res** 1984 Jan;38(1):87–93
Effect of age, starvation and circadian rhythm on the ascorbic acid content and succinic dehydrogenase activity of the kidney of male garden lizard, Calotes versicolor. Padhi SN. **Exp Gerontol** 1984;19(2):101–5
Effect of age and sex on the ascorbic acid content of kidney, skeletal muscle and pancreas of common Indian toad, Bufo melanostictus. Panda AK, et al. **Exp Gerontol** 1984; 19(2):95–100
Equilibrium constant for calcium ion and ascorbate ion. Tsao CS. **Experientia** 1984 Feb 15;40(2):168–70
Nutrition and catering: 3. Nutrient losses in cook–freeze and cook–chill catering. Hunt C. **Hum Nutr Appl Nutr** 1984 Feb;38(1):50–9
Ascorbic acid concentration in developing human fetal vitreous humor. Sen A, et al. **Indian J Ophthalmol** 1983 Mar;31(2):73–4
Percent retention of vitamin C in whipped potatoes after pre–service holding. Snyder PO, et al. **J Am Diet Assoc** 1983 Oct;83(4):454–8
Liquid chromatographic determination of ascorbic acid in foods. Ashoor SH, et al. **J Assoc Off Anal Chem** 1984 Jan–Feb;67(1):78–80
Semiautomated fluorometric method for determination of vitamin C in foods: collaborative study. DeVries JW. **J Assoc Off Anal Chem** 1983 Nov;66(6):1371–6
Effect of residual ascorbate on determination of nitrite in commercial cured meat products. Fox JB Jr, et al. **J Assoc Off Anal Chem** 1984 Jul–Aug;67(4):692–7
Titrimetric determination of ascorbic acid using chloranil. Verma KK, et al. **J Assoc Off Anal Chem** 1984 Mar–Apr; 67(2):262–5
Liquid chromatography, microfluorometry, and dye–titration determination of vitamin C in fresh fruit and vegetables. Wills RB, et al. **J Assoc Off Anal Chem** 1983 Nov; 66(6):1377–9
Effect of several heat treatments and frozen storage on thiamine, riboflavin, and ascorbic acid content of milk. Haddad GS, et al. **J Dairy Sci** 1983 Aug;66(8):1601–6
A double–cycle high–speed voltammetric technique allowing direct measurement of irreversibly oxidised species: characterisation and application to the temporal measurement of ascorbate in the rat central nervous system. Stamford JA, et al. **J Neurosci Methods** 1984 Feb; 10(2):107–18
The effect of unilateral cortical lesions on the circadian changes in rat striatal ascorbate and homovanillic acid levels measured in vivo using voltammetry. O'Neill RD, et al. **Neurosci Lett** 1983 Nov 21;42(1):105–10
[Changes in vitamin C content of Bintje potatoes during storage and usual culinary preparations] Mareschi JP, et al. **Int J Vitam Nutr Res** 1983;53(4):402–11 (Eng. Abstr.) **(Fre)**
[Changes in ocular tone, pH, ascorbic acid and lactic acid concentration in the aqueous humor of rabbits treated with aceclidine] Balacco–Gabrieli C, et al. **Boll Soc Ital Biol Sper** 1983 Aug 30;59(8):1172–5 (Eng. Abstr.) **(Ita)**
[Comparative study of vitamin C of cabbage cultivars (Brassica oleraceae L., var. capitata L.), before and after their processing in sauerkraut] Goldoni JS, et al. **Arch Latinoam Nutr** 1983 Mar;33(1):45–56 (Eng. Abstr.) **(Por)**
[Preservation of ascorbic acid in vitaminized milk] Zidel'man MM, et al. **Vopr Pitan** 1984 Mar–Apr;(2):65–6 **(Rus)**

BIOSYNTHESIS

A rat mutant unable to synthesize vitamin C. Mizushima Y, et al. **Experientia** 1984 Apr 15;40(4):359–61
Impairment of ascorbic acid synthesis in liver extracts of magnesium–deficient rats. Hsu JM, et al. **J Nutr** 1983 Oct; 113(10):2041–7

BLOOD

Is leucocyte ascorbic acid an unreliable estimate of vitamin C deficiency? Thomas AJ, et al. **Age Ageing** 1984 Jul; 13(4):243–7
Leucocyte ascorbic acid levels in Nigerian children with protein–energy malnutrition. Akinyanju OO, et al. **Ann Trop Paediatr** 1983 Sep;3(3):133–5
Changes in ascorbate levels on stimulation of human neutrophils. Winterbourn CC, et al. **Biochim Biophys Acta** 1983 Sep 22;763(2):175–9
Relation between intake and plasma concentration of vitamin C in elderly women. Newton HM, et al. **Br Med J [Clin Res]** 1983 Nov 12;287(6403):1429
Kinetic glucose dehydrogenase method for glucose measurement with a discrete kinetic analyzer overcomes interference by ascorbate [letter] Maguire GA, et al. **Clin Chem** 1984 Jan;30(1):157–8
'True' ascorbic acid in plasma and serum: investigation of a new method. Samyn W. **Clin Chim Acta** 1983 Sep 15; 133(1):111–7
Hyperglycemia–induced intracellular depletion of ascorbic acid in human mononuclear leukocytes. Chen MS, et al. **Diabetes** 1983 Nov;32(11):1078–81
A study of ascorbic acid and ceruloplasmin levels in scorbutic guinea pigs and its possible relation to the pathogenesis of schizophrenia. Bharaj BS, et al. **East Afr Med J** 1983 Jul;60(7):459–61
Plasma vitamin C concentrations in patients in a psychiatric hospital. Schorah CJ, et al. **Hum Nutr Clin Nutr** 1983 Dec; 37(6):447–52
Comparison of blood levels of histamine and total ascorbic acid in pre–eclampsia with normal pregnancy. Sharma SC, et al. **Hum Nutr Clin Nutr** 1984 Jan;38(1):3–9
A study of blood ascorbic acid in leprosy. Sinha SN, et al. **Int J Lepr** 1984 Jun;52(2):159–62
Blood ascorbic acid during dietary–induced weight loss [letter] Hughes RE, et al. **Int J Obes** 1984;8(1):96
Conformational changes of serum albumin induced by ascorbic acid. Fleming JE, et al. **Int J Pept Protein Res** 1983 Nov;22(5):565–7
Vitamin C status and physical working capacity in adolescents. Subotičanec–Buzina K, et al. **Int J Vitam Nutr Res** 1984;54(1):55–60
Smoking: an important factor in vitamin C deficiency. Hoefel OS. **Int Z Vitam Ernahrungsforsch [Beih]** 1983;24:121–4
Fluorometric determination of total vitamin C in whole blood by high–performance liquid chromatography with pre–column derivatization. Speek AJ, et al. **J Chromatogr** 1984 Jan 13;305(1):53–60
Relationship of ascorbic acid levels of blood and gingival tissue with response to periodontal therapy. Woolfe SN, et al. **J Clin Periodontol** 1984 Mar;11(3):159–65
Ascorbic acid in iron–deficiency anemia. Ridthmat W, et al. **J Med Assoc Thai** 1983 Dec;66(12):775–8
Plasma ascorbate concentrations and blood cell dehydroascorbate transport in patients with diabetes mellitus. Stankova L, et al. **Metabolism** 1984 Apr; 33(4):347–53
Serum vitamin C and total cholesterol levels in healthy adults. Saha N, et al. **Singapore Med J** 1983 Jun;24(3):150–1
Comparison of ascorbic acid concentrations in granulocytes and lymphocytes. Ikeda T. **Tohoku J Exp Med** 1984 Jan; 142(1):117–8
ESR investigations on the modification of the ascorbic acid–erythrocyte interaction by ferrous ions. Lohmann W, et al. **Z Naturforsch [C]** 1983 Sep–Oct;38(9–10):862–3
The effect of alcohol oxidase on the ascorbic acid–erythrocyte interaction: ESR investigations. Lohmann W, et al. **Z Naturforsch [C]** 1983 Sep–Oct;38(9–10):864–5
[Plasma retinol, beta–carotene and ascorbic acid levels and functional activity of lymphocytes in patients with large intestine cancer] Sergeev AV. **Vopr Pitan** 1984 May–Jun; (3):27–30 (Eng. Abstr.) **(Rus)**
[Capillary circulation and various indices of tissue metabolism in patients with rheumatoid arthritis] Bakaliuk OI, et al. **Vrach Delo** 1983 Jul;(7):75–7 (Eng. Abstr.) **(Rus)**
[Glutathione–ascorbic acid system function in dithiocarbamate workers] Kaskevich LM. **Vrach Delo** 1983 Nov;(11):99–101 (Eng. Abstr.) **(Rus)**
[Blood concentrations of sulfhydryl groups and ascorbic acid in patients with calculous cholecystitis] Kolibaba SS, et al. **Vrach Delo** 1983 Jun;(6):84–6 **(Rus)**
[The relation between serum lipids and the vitamin C levels in hyperlipemic subjects] Cerná O, et al. **Bratisl Lek Listy** 1983 Sep;80(3):296–303 (Eng. Abstr.) **(Slo)**
[Vitamin C in the serum and leukocytes in chronic kidney failure] Derzsiová K, et al. **Cas Lek Cesk** 1983 Sep 23; 122(38):1176–9 (Eng. Abstr.) **(Slo)**

CEREBROSPINAL FLUID

Evidence for interference by ascorbate in the measurement of cerebrospinal fluid glucose by a kinetic glucose oxidase/peroxidase procedure. Maguire GA, et al. **Clin Chem** 1983 Oct;29(10):1810–2
Cerebrospinal fluid ascorbic acid levels in neurological disorders. Brau RH, et al. **Neurosurgery** 1984 Feb; 14(2):142–6

DIAGNOSTIC USE

Endogenous formation of N–nitrosoproline in cigarette smokers. Hoffmann D, et al. **Cancer Res** 1983 Nov; 43(11):5570–4
Interaction of the 2,6–dimethoxysemiquinone and ascorbyl free radicals with Ehrlich ascites cells: a probe of cell–surface charge. Pethig R, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(7):2088–91

IMMUNOLOGY

[Effect of ascorbic acid on the phagocytic activity of leukocytes in textile workers in contact with direct dyes] Korosteleva TA, et al. **Gig Sanit** 1983 Jun;(6):83–4 **(Rus)**

ISOLATION & PURIFICATION

Histochemical localization of ascorbic acid in the testis, epididymis and vas deferens of some rodents. Chinoy NJ, et al. **Z Mikrosk Anat Forsch** 1983;97(6):961–6

METABOLISM

Ascorbic acid in the pituitary gland. 2. Its different forms and metabolites in the adenohypophysis. Kábrt J. **Acta Univ Carol [Med] (Praha)** 1982;28(5–6):323–43
Ascorbic acid: a scavenger of superoxide radical. Som S, et al. **Acta Vitaminol Enzymol** 1983;5(4):243–50
Measurement of uric acid, ascorbic acid, and related metabolites in biological fluids. Hatch LL, et al. **Anal Biochem** 1984 May 1;138(2):324–8
Ascorbic acid and urinary oxalate [letter] Posner H. **Ann Intern Med** 1984 Oct;101(4):571–2
Interaction of dexamethasone and dehydroepiandrosterone on testicular ascorbic acid and cholesterol in prepubertal rat. Chowdhury AR, et al. **Arch Androl** 1984;12(1):65–7
Bicyclic ring formation is not necessary for the (auto)oxidation of ascorbic acid. Fleming JE, et al. **Biochem Biophys Res Commun** 1983 Sep 15;115(2):531–5
The nature of the ESR signal in lyophilized tissue and its relevance to malignancy. Dodd NJ, et al. **Br J Cancer** 1984 Jan;49(1):65–71
Differential voltammetric measurement of catecholamines and ascorbic acid at surface–modified carbon filament microelectrodes. Plotsky PM. **Brain Res** 1982 Mar 4; 235(1):179–84
Chronoamperometry in brain slices: quantitative evaluations of in vivo electrochemistry. Schenk JO, et al. **Brain Res** 1983 Oct 24;277(1):1–8
Ascorbic acid turnover and excretion in two arboreal marsupials and in laboratory rabbits. Dash JA, et al. **Comp Biochem Physiol [B]** 1984;77(2):391–7
Ascorbate and glutathione levels in the developing normal and dystrophic rat retina: effect of intense light exposure. Organisciak DT, et al. **Curr Eye Res** 1984 Jan;3(1):257–67
Distribution of ascorbate in normal primate retina and after photic injury: a biochemical, morphological correlated study. Tso MO, et al. **Curr Eye Res** 1984 Jan;3(1):181–91
Pharmacokinetics of ascorbic acid in horses. Löscher W, et al. **Equine Vet J** 1984 Jan;16(1):59–65
A relationship between ascorbic acid and threonic acid in guinea–pigs. Thomas M, et al. **Food Chem Toxicol** 1983 Aug;21(4):449–52
Uptake of ascorbic acid by human granulocytes. Moser U, et al. **Int J Vitam Nutr Res** 1984;54(1):47–53
The binding of ascorbate to bovine serum albumin. Oelrichs BA, et al. **Int J Vitam Nutr Res** 1984;54(1):61–4
Influence of erythorbic acid on ascorbic acid retention and elimination in the mouse. Tsao CS, et al. **Int J Vitam Nutr Res** 1983;53(3):258–64
The significance of ascorbic acid, thiamin and retinol in cancer. Basu TK. **Int Z Vitam Ernahrungsforsch [Beih]** 1983;24:105–18
Vitamin C in the elderly. Hanck A. **Int Z Vitam Ernahrungsforsch [Beih]** 1983;24:257–69
Interaction between alkaline phosphatase and ascorbic acid by fluorescence and absorption studies. Martorana GE, et al. **Ital J Biochem** 1983 Jul–Aug;32(4):231–8
Characterization of ascorbic acid transport by adrenomedullary chromaffin cells. Evidence for Na+–dependent co–transport. Diliberto EJ Jr, et al. **J Biol Chem** 1983 Nov 10;258(21):12886–94
Ascorbic acid and catecholamine secretion from cultured chromaffin cells. Levine M, et al. **J Biol Chem** 1983 Nov 10;258(21):13111–5
Ascorbate reduction of horse heart cytochrome c. A zero–energy reduction reaction. Myer YP, et al. **J Biol Chem** 1984 Jul 10;259(13):8144–50
Ascorbate is consumed stoichiometrically in the uncoupled reactions catalyzed by prolyl 4–hydroxylase and lysyl hydroxylase. Myllylä R, et al. **J Biol Chem** 1984 May 10; 259(9):5403–5
Changes in the synthesis, distribution and sulphation of glycosaminoglycans of cultured human skin fibroblasts upon ascorbate feeding. Edward M, et al. **J Cell Sci** 1983 Nov;64:245–54
Factors influencing the stability of ascorbic acid in total parenteral nutrition infusions. Allwood MC. **J Clin Hosp Pharm** 1984 Jun;9(2):75–85
Ascorbic acid content and accumulation by alveolar macrophages from cigarette smokers and nonsmokers. McGowan SE, et al. **J Lab Clin Med** 1984 Jul;104(1):127–34
Gamma–aminobutyric acid stimulates the release of endogenous ascorbic acid from rat striatal tissue. Bigelow JC, et al. **J Neurochem** 1984 Feb;42(2):412–9
Loss of ascorbic acid from injured feline spinal cord. Pietronigro DD, et al. **J Neurochem** 1983 Oct;41(4):1072–6
Comparison of isotope dilution and excretion methods for determining the half–life of ascorbic acid in the guinea pig. Kipp DE, et al. **J Nutr** 1984 Aug;114(8):1386–95
Stress–induced change in tissue levels of ascorbic acid and histamine in rats. Nakano K, et al. **J Nutr** 1984 Sep; 114(9):1602–8
Decreased brain ascorbate levels in copper–deficient mice and in brindled mice. Prohaska JR, et al. **J Nutr** 1983 Dec; 113(12):2623–9
Distribution of ascorbate–2–sulfate and distribution, half–life and turnover rates of [1–14C]ascorbic acid in rainbow trout.

Tucker BW, et al. **J Nutr** 1984 Jun;114(6):991–1000

Effect of several xenobiotics on the activities of enzymes affecting ascorbic acid synthesis in rats. Horio F, et al. **J Nutr Sci Vitaminol (Tokyo)** 1983 Jun;29(3):233–47

Brain dialysis in conscious rats confirms in vivo electrochemical evidence that dopaminergic stimulation releases ascorbate. Clemens JA, et al. **Life Sci** 1984 Aug 6;35(6):671–7

The effects of glucose on ascorbic acid uptake in heart endothelial cells: possible pathogenesis of diabetic angiopathies. Kapeghian JC, et al. **Life Sci** 1984 Feb 6; 34(6):577–84

Inhibition of ascorbate autoxidation by a dialyzed, heat-denatured extract of plant tissues. Mishra OP, et al. **Life Sci** 1984 May 28;34(22):2207–12

The TRH analogue CG3509 increases in vivo catechol/ascorbate oxidation in the N. accumbens but not in the striatum of the rat. Sharp T, et al. **Neuropharmacology** 1984 Jun;23(6):617–23

Inhibition of ascorbate autoxidation by the dialyzed soluble fraction of mammalian nervous tissues. Mishra OP, et al. **Neurosci Lett** 1983 Dec 23;43(1):103–8

Extracelluiar ascorbic acid increases in striatum following systemic amphetamine. Salamone JD, et al. **Pharmacol Biochem Behav** 1984 Apr;20(4):609–12

Ascorbic acid turnover in the mouse following acute ozone exposure. Dubick MA, et al. **Toxicology** 1983 Jul–Aug; 27(3–4):301–13

Structure of ascorbic acid and its biological function: V. Transport of ascorbate and isoascorbate across artificial membranes as studied by the spin label technique. Lohmann W, et al. **Z Naturforsch [C]** 1983 Nov–Dec;38(11–12):923–5

[Effect of vitamin A on ascorbic acid levels in the adrenal glands and liver of guinea pigs with larval ascariasis] Jablonowski Z, et al. **Wiad Parazytol** 1983;29(3):273–88 (Eng. Abstr.) **(Pol)**

[The nutritional ascorbic acid and niacin status in adolescents] Dobre V, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Apr–Jun;87(2):237–9 (Eng. Abstr.) **(Rum)**

[Transmembrane redox reactions, coupled with proton transfer in lipid bilayer membranes] Gorskaia IA, et al. **Biokhimiia** 1984 May;49(5):821–6 (Eng. Abstr.) **(Rus)**

[Oxidation of ascorbic acid by molecular oxygen catalyzed by a tetrabenzotetraazamacrocyclic complex of copper] Iatsimirskii KB, et al. **Dokl Akad Nauk SSSR** 1984; 276(4):880–3 **(Rus)**

[Cytochrome P-450 cycle and vitamin C] Ginter E, et al. **Vopr Pitan** 1983 Jul–Aug;(4):5–10 (57 ref.) **(Rus)**

PHARMACODYNAMICS

Use of reducing compounds in the cultivation of Azospirillum sp. Venkateswarlu B, et al. **Acta Microbiol Hung** 1983; 30(2):99–102

Excess vitamin A and the metabolism of carbohydrates: variation of enzyme activities in gingiva of rats submitted to excess vitamin A, vitamin A plus cortisol and vitamin A plus ascorbic acid. De Paiva YA, et al. **Acta Vitaminol Enzymol** 1983;5(4):205–12

Intestinal absorption of oxalate in scorbutic and ascorbic acid supplemented guinea pigs. Farooqui S, et al. **Acta Vitaminol Enzymol** 1983;5(4):235–41

Modulation of alkaline phosphatase in different organs by ascorbic acid and related compounds. Miggiano GA, et al. **Acta Vitaminol Enzymol** 1983;5(4):219–24

Modulation of dopamine receptor binding by ascorbic acid. Madras BK, et al. **Adv Biochem Psychopharmacol** 1983; 37:275–87

Benoxaprofen: a pro-oxidant anti-inflammatory drug? Anderson R, et al. **Agents Actions** 1984 Feb;14(2):238–46

Determination of myrosinase (thioglucoside glucohydrolase) activity by a spectrophotometric coupled enzyme assay. Wilkinson AP, et al. **Anal Biochem** 1984 Jun;139(2):284–91

The effect of alpha-tocopherol and ascorbic acid on the serum lipid peroxide level in elderly people. Wartanowicz M, et al. **Ann Nutr Metab** 1984;28(3):186–91

The capacity of chondrocytes to respond to serum is enhanced by organ culture in the absence of serum, stimulated by serum, and modified by ascorbate. Benya PD, et al. **Arch Biochem Biophys** 1984 Jul;232(1):323–36

Inhibition of sugar uptake by ascorbic acid in Escherichia coli. Loewen PC, et al. **Arch Biochem Biophys** 1983 Oct 15;226(2):657–65

Oxidant damage of normal and glucose 6-phosphate dehydrogenase (G6PD)-deficient red blood cells is enhanced by iron-EDTA complex. De Flora A, et al. **Biochem Int** 1983 Sep;7(3):281–90

Cis-trans isomerization of the (5-nitro-2-furyl)acrylamide, AF-2, initiated by ascorbate, glutathione, Fe(II) and OH-. Clarke ED, et al. **Biochem Pharmacol** 1984 Jan 1;33(1):83–7

Glucose metabolism of oxidatively stressed human red blood cells incubated in plasma or medium containing physiologic concentrations of lactate, pyruvate and ascorbate. Sullivan SG, et al. **Biochem Pharmacol** 1984 May 1;33(9):1417–21

Effects of physiologic concentrations of lactate, pyruvate and ascorbate on glucose metabolism in unstressed and oxidatively stressed human red blood cells. Sullivan SG, et al. **Biochem Pharmacol** 1983 Oct 1;32(19):2891–902

Vitamin C stimulates the chlorinating activity of human myeloperoxidase. Bolscher BG, et al. **Biochim Biophys Acta** 1984 Jan 31;784(2–3):189–91

Effect of varying amounts of ascorbate on collagen, elastin and lysyl oxidase synthesis in aortic smooth muscle cell cultures. Faris B, et al. **Biochim Biophys Acta** 1984 Jan 24;797(1):71–5

The influence of vitamin C on antipyrine pharmacokinetics in elderly men. Blanchard J, et al. **Biopharm Drug Dispos** 1984 Jan–Mar;5(1):43–54

The effect of ascorbic acid on the sulphate conjugation of ingested noradrenaline and dopamine. Dunne JW, et al. **Br J Clin Pharmacol** 1984 Mar;17(3):356–60

Vitamin C increases the formation of prostacyclin by aortic rings from various species and neutralizes the inhibitory effect of 15-hydroperoxy-arachidonic acid. Beetens JR, et al. **Br J Pharmacol** 1983 Oct;80(2):249–54

High-dose ascorbic acid decreases detoxification of cyanide derived from amygdalin (laetrile): studies in guinea pigs. Basu TK. **Can J Physiol Pharmacol** 1983 Nov; 61(11):1426–30

Promotion by ascorbic acid, sodium erythorbate and ethoxyquin of neoplastic lesions in rats initiated with N-butyl-N-(4-hydroxybutyl) nitrosamine. Fukushima S, et al. **Cancer Lett** 1984 May;23(1):29–37

Effect of vitamin C on the excretion of methotrexate [letter] Sketris IS, et al. **Cancer Treat Rep** 1984 Feb;68(2):446–7

Coated vesicles of liver Golgi apparatus increased by ascorbate. Minnifield N, et al. **Cell Biol Int Rep** 1984 Mar; 8(3):215–9

Effects of ascorbic acid and ferrous ions on renin release from renin granules of vitamin E-deficient rats. Morimoto S, et al. **Chem Pharm Bull (Tokyo)** 1984 May;32(5):2033–5

Ascorbic acid inhibition of 3-methylcholanthrene induced carcinoma of glandular stomach in mice. Wang XH, et al. **Chin Med J [Engl]** 1984 Mar;97(3):215–22

The effects of naturally occurring metabolites (L-cysteine, vitamin C) on cultured human cells exposed to smoke of tobacco or marijuana cigarettes. Leuchtenberger C, et al. **Cytometry** 1984 Jul;5(4):396–402

Effect of L-ascorbic acid on acetaminophen-induced hepatotoxicity and covalent binding in hamsters. Evidence that in vitro covalent binding differs from that in vivo. Miller MG, et al. **Drug Metab Dispos** 1984 May–Jun; 12(3):271–9

Interactions of ascorbic acid supplementation and bleomycin instillation on murine lung connective tissue metabolism. Dubick MA, et al. **Drug Nutr Interact** 1983;2(2):105–15

The effect of ascorbic acid on sodium nitrite-induced methemoglobin formation in glucose-6-phosphate dehydrogenase-deficient erythrocytes. Calabrese EJ, et al. **Ecotoxicol Environ Safety** 1983 Aug;7(4):410–5

Vasocclusion sterility induced by ethanol, prostagladin or ascorbic acid in male rats. Chinoy MR, et al. **Endocrinol Exp (Bratisl)** 1984 Mar;18(1):65–77

Ascorbic acid and alkaline phosphatase activity. Miggiano GA, et al. **Enzyme** 1983;30(2):145–8

Inhibition of bacterial multiplication by the iron chelator deferoxamine: potentiating effect of ascorbic acid. van Asbeck BS, et al. **Eur J Clin Microbiol** 1983 Oct;2(5):426–31

Ascorbate-induced lipid peroxidation and the binding of [3H]dihydroalprenolol. Heikkila RE. **Eur J Pharmacol** 1983 Sep 16;93(1-2):79–85

The effect of ascorbic acid on malonaldehyde formation, K+, Na+ and water content of brain slices. Kovachich GB, et al. **Exp Brain Res** 1983;50(1):62–8

Fertility control in vas occluded rats and the biochemical effects of ascorbic acid feeding. Sharma JD, et al. **Exp Clin Endocrinol** 1983 Nov;82(3):337–41

Inhibition of erythrocyte ATPase activity by aclacinomycin and reverse effects of ascorbate on ATPase activity. Kitao T, et al. **Experientia** 1983 Dec 15;39(12):1362–4

Effect of vitamin C supplements on cell-mediated immunity in old people. Kennes B, et al. **Gerontology** 1983; 29(5):305–10

Differential androgen requirements of proximal & distal vas deferens of albino rats & possible potentiation of androgen action by ascorbic acid. Chinoy MR, et al. **Indian J Exp Biol** 1983 Jun;21(6):335–8

Effect of ascorbic acid & DMBA on lysosomal enzymes' activity in partially hepatectomized mouse liver. Dixit A, et al. **Indian J Exp Biol** 1983 Jan;21(1):15–7

Sensitization of Salmonella typhi towards gamma-radiation by ascorbic acid. Kapila S, et al. **Indian J Exp Biol** 1983 Oct;21(10):549–52

Ascorbate (vitamin C) and dehydroascorbate stimulation of copper induced hemolysis. Protective action of ceruloplasmin, albumin and apotransferrin. Løvstad RA. **Int J Biochem** 1984;16(2):155–9

Iron ion induced haemolysis: effect of caeruloplasmin, albumin and ascorbate (vitamin C). Løvstad RA. **Int J Biochem** 1983;15(8):1067–71

The effect of ascorbic acid on the human lymphocyte. Mirza J, et al. **Int J Tissue React** 1983;5(2):141–3

Prevention of induction of suppressor activity in human mononuclear leukocytes by ascorbate and cysteine in vitro. Eftychis H, et al. **Int J Vitam Nutr Res** 1983;53(4):398–401

Absence of accumulation phenomena in normal and tumoral tissues of mice treated with ascorbic acid. Liotti FS, et al. **Int J Vitam Nutr Res** 1983;53(3):251–7

Influence of erythorbic acid on ascorbic acid retention and elimination in the mouse. Tsao CS, et al. **Int J Vitam Nutr Res** 1983;53(3):258–64

Ascorbic acid and prostaglandin formation. Beetens JR, et al. **Int Z Vitam Ernahrungsforsch [Beih]** 1983;24:131–44

The effect of vitamin C on certain monocyte cell functions. An in vitro and in vivo approach. Scheinberg MA. **Int Z Vitam Ernahrungsforsch [Beih]** 1983;24:119–20

Ascorbic acid is an endogenous cytosolic inhibitor of ATP-supported rat liver mitochondrial calcium transport. LeVine H 3d, et al. **J Biol Chem** 1983 Dec 25; 258(24):14954–9

Oxidative modification of glutamine synthetase. II. Characterization of the ascorbate model system. Levine RL. **J Biol Chem** 1983 Oct 10;258(19):11828–33

The analogous mechanisms of enzymatic inactivation induced by ascorbate and superoxide in the presence of copper. Shinar E, et al. **J Biol Chem** 1983 Dec 25;258(24):14778–83

Stimulating effect of ascorbic acid on ascites tumor cell multiplication in vitro. Liotti FS, et al. **J Cancer Res Clin Oncol** 1983;106(1):69–70

Effects of ascorbic and dehydroascorbic acid on the multiplication of tumor ascites cells in vitro. Liotti FS, et al. **J Cancer Res Clin Oncol** 1984;108(2):230–2

Attenuation by antioxidants of Na+/K+ ATPase inhibition by toxic concentrations of isoproterenol in cultured rat myocardial cells. Acosta D, et al. **J Mol Cell Cardiol** 1984 Mar;16(3):281–4

Ascorbate-induced lipid peroxidation and inhibition of [3H]spiroperidol binding in neostriatal membrane preparations. Heikkila RE, et al. **J Neurochem** 1983 Nov; 41(5):1384–92

Dual effects of ascorbate on serotonin and spiperone binding in rat cortical membranes. Muakkassah-Kelly SF, et al. **J Neurochem** 1983 Nov;41(5):1429–39

Spiroperidol binding sites on mouse lymphoid cells. Effects of ascorbic acid and psychotropic drugs. Shaskan EG, et al. **J Neuroimmunol** 1984 Feb;6(1):59–66

Interaction of dietary vitamin C and vitamin E on guinea pig immune responses to mitogens. Bendich A, et al. **J Nutr** 1984 Sep;114(9):1588–93

Decrease in bone density in young male guinea pigs fed high levels of ascorbic acid. Bray DL, et al. **J Nutr** 1984 May; 114(5):920–8

Interactions of pH and ascorbate in intestinal iron absorption. Hungerford DM Jr, et al. **J Nutr** 1983 Dec;113(12):2615–22

lambda DNA-fragmenting actions of ascorbic acid and triose reductone in the presence of Cu2+. Shinohara K, et al. **J Nutr Sci Vitaminol (Tokyo)** 1983 Dec;29(6):671–8

Effect of vitamin C on blood parameters of hypertensive subjects. Koh ET. **J Okla State Med Assoc** 1984 Jun; 77(6):177–82

Ascorbic acid and membrane ageing: critical determinants of the in-vitro binding of [3H]ADTN to rat striatal tissue. Bradbury AJ, et al. **J Pharm Pharmacol** 1983 Nov; 35(11):738–45

The effects of vitamin C on maximum grip strength and muscular endurance. Keith RE, et al. **J Sports Med Phys Fitness** 1983 Sep;23(3):253–6

Drug protein conjugates—III. Inhibition of the irreversible binding of ethinylestradiol to rat liver microsomal protein by mixed-function oxidase inhibitors, ascorbic acid and thiols. Maggs JL, et al. **J Steroid Biochem** 1983 Sep; 19(3):1273–8

Ascorbic acid potentiates the substrate-specific inhibition of mixed-function oxidation and the stimulation of NADPH oxidation caused by paraquat. Montgomery MR, et al. **J Toxicol Environ Health** 1984;13(1):69–81

Renin release and lipid peroxidation by ascorbic acid in the renin granule fraction of rat kidney cortex. Matsumura Y, et al. **Jpn J Pharmacol** 1983 Aug;33(4):803–10

Inhibition by chlorpromazine, metals and I-ascorbic acid of calcium-ATPase and magnesium-ATPase in bovine adrenal medullary microsomes. Yamanaka K, et al. **Jpn J Pharmacol** 1984 Apr;34(4):447–55

The effect of ascorbic acid on plasma sulfate conjugated catecholamines after eating bananas. Dunne JW, et al. **Life Sci** 1983 Oct 10;33(15):1511–7

Megadoses of vitamin C prevent the development of tolerance and physical dependence on morphine in mice. Khanna NC, et al. **Life Sci** 1983;33 Suppl 1:401–4

Ascorbic acid could be hazardous to your experiments: a commentary on dopamine receptor binding studies with speculation on a role for ascorbic acid in neuronal function. Hadjiconstantinou M, et al. **Neuropharmacology** 1983 Aug; 22(8):939–43

Time course of changes in [3H]prazosin binding after catecholaminergic denervation by 6-hydroxydopamine in rat cerebral cortex. Inhibitory effects of ascorbic acid on the alpha 1-adrenoceptor. Wolfman C, et al. **Neuropharmacology** 1983 Sep;22(9):1061–4

Quantitative studies of biological responses in hamsters exposed to tobacco smoke and effects of vitamin C supplement on smoke inhalation toxicity. Harada T, et al. **Nippon Juigaku Zasshi** 1983 Oct;45(5):613–26

Ascorbate stimulation of PAT cells causes an increase in transcription rates and a decrease in degradation rates of procollagen mRNA. Lyons BL, et al. **Nucleic Acids Res** 1984 Mar 12;12(5):2569–79

Vitamin C and the periodontium: new insights and controversy. Odrich J. **NY State Dent J** 1983 Nov; 49(9):676, 678, 681 (28 ref.)

Evidence for amelioration of steroid-mediated immunosuppression by ascorbic acid. Pardue SL, et al. **Poult Sci** 1984 Jun;63(6):1262–8

Effects of ascorbate on a dopaminergic response: apomorphine-induced modification of pentylenetetrazol-induced seizures in mice. Wilcox RE, et al. **Psychopharmacology (Berlin)** 1984;83(1):48–50

The effect of ascorbic acid on copper-induced oxidative changes in the erythrocytes of rats, sheep, and normal humans. Calabrese EJ, et al. **Regul Toxicol Pharmacol** 1983 Sep;3(3):179–83

The effect of ascorbic acid on nitrite-induced methemoglobin formation in rats, sheep, and normal human erythrocytes. Calabrese EJ, et al. **Regul Toxicol Pharmacol** 1983 Sep; 3(3):184–8

Inhibition of morphine analgesia by ascorbate. Willette RE, et al. **Res Commun Chem Pathol Pharmacol** 1983 Dec; 42(3):485–91

Rapid diagnostic tests for glucosuria are still influenced by ascorbic acid. Daae LN, et al. **Scand J Clin Lab Invest** 1983 Dec;43(8):747–9

Ascorbic acid and iron excretion in a thalassemic child. Hathirat P, et al. **Southeast Asian J Trop Med Public Health** 1983 Jun; 14(2):274

The effect of ascorbate on embryonic chick sternal chondrocytes cultured in agarose. Bounelis P, et al. **Tissue Cell** 1983;15(5):683–93

Effect of vitamin C on acute paracetamol poisoning. Romero-Ferret C, et al. **Toxicol Lett** 1983 Aug; 18(1–2):153–6

Inhibition of ascorbate-induced and NADPH-dependent lipid peroxidation in hepatic nuclei by aflatoxin B1. Ahmed N, et al. **Toxicon** 1983;21(4):562–6

The effect of ascorbic acid on the conjugation of 4-hydroxybiphenyl in rat isolated hepatocytes. Paterson P, et al. **Xenobiotica** 1983 Oct;13(10):607–10

The influence of amino acid ligands and vitamin C on the reduction potential of Fe (III): polarographic and electron spin resonance investigations. Kiefer B, et al. **Z Naturforsch [C]** 1984 Jan-Feb;39(1–2):102–6

[Effect of vitamin C on the aged] Suzue R. **Nippon Ronen Igakkai Zasshi** 1983 Mar;20(2):101–4 **(Jpn)**

[Effect of ascorbic acid on metabolism and excretion of isoniazid in rat] Matsuki Y, et al. **Yakugaku Zasshi** 1983 Nov;103(11):1219–23 (Eng. Abstr.) **(Jpn)**

[Inhibitors of nitrite oxidation of hemoglobin] Kostenko LKh, et al. **Biokhimiia** 1983 Sep;48(9):1437–40 (Eng. Abstr.) **(Rus)**

[Immunomodulating activity of p-hydroxyphenyllactic and ascorbic acids] Sergeev AV. **Biull Eksp Biol Med** 1984 Mar;97(3):327–8 (Eng. Abstr.) **(Rus)**

[Effect of ascorbic acid on hemolysis induced in vitro by primaquine] Grinberg LN, et al. **Gematol Transfuziol** 1983 Dec;28(12):50–2 (Eng. Abstr.) **(Rus)**

[Experimental in vitro study of the ability to dissolve cholesterol biliary calculi using various solutions of heparin-sodium and vitamin C] Thwayeb Y, et al. **Rev Esp Enferm Apar Dig** 1983 Aug;64(2):81–5 (Eng. Abstr.) **(Spa)**

[Effect of ethanol on the detoxification of hydrogen peroxide induced by ascorbic acid in normal erythrocytes and those with glucose-6-phosphate dehydrogenase deficiency] Coutinho V. **Sangre (Barc)** 1984;29(1):10–4 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Structure of ascorbic acid and its biological function. VI. Its importance for the Na+/K+-transport. Lohmann W. **Biophys Struct Mech** 1984;10(4):205–10

The effect of ascorbic acid nutritional status on paraquat toxicity in guinea pigs. Sullivan TM, et al. **Dev Toxicol Environ Sci** 1983;11:471–4

Relationship between ascorbic acid and cell division. Liso R, et al. **Exp Cell Res** 1984 Feb;150(2):314–20

Plasma fibronectin levels after splenectomy and splenic autoimplantation in rats with and without dietary ascorbic acid supplementation. Hashimoto T, et al. **J Pediatr Surg** 1983 Dec;18(6):805–10

Vitamin C and inflammation. Roberts P, et al. **Med Biol** 1984; 62(2):88

Nutrition and cancer: a review, with emphasis on the role of vitamins C and E and selenium. Newberne PM, et al. **Nutr Cancer** 1983;5(2):107–19 (98 ref.)

Vitamin C, oral scurvy and periodontal disease. Touyz LZ. **S Afr Med J** 1984 May 26;65(21):838–42 (64 ref.)

Vitamin C and cancer prevention. Bright-See E. **Semin Oncol** 1983 Sep;10(3):294–8 (61 ref.)

RADIATION EFFECTS

Pulse radiolytic study of the interaction of thiols and ascorbate with OH adducts of dGMP and dG: implications for DNA repair processes. O'Neill P. **Radiat Res** 1983 Oct; 96(1):198–210

THERAPEUTIC USE

Vitamin C and longevity. Pauling L. **Agressologie** 1983 Jun; 24(7):317–9

Therapy of nausea and vomiting of pregnancy [letter] Wright JV. **Am J Obstet Gynecol** 1984 May 1;149(1):107

Effect of ascorbic acid in the treatment of tetanus. Jahan K, et al. **Bangladesh Med Res Counc Bull** 1984 Jun; 10(1):24–8

Dietary supplementation with vitamin C delays the onset of fatigue in isolated striated muscle of rats. Richardson JH, et al. **Can J Appl Sport Sci** 1983 Sep;8(3):140–2

Inhibition of transplanted carcinomas in mice by retinoids but not by vitamin C. Hubert DD, et al. **Cancer Treat Rep** 1983 Dec;67(12):1061–5

The failure of ascorbic acid therapy to alter the induction or remission of murine amyloidosis. Baltz ML, et al. **Clin Exp Immunol** 1984 Sep;57(3):657–62

Ascorbic acid in sickle cell disease: results of a pilot therapeutic trial. Akinkugbe FM, et al. **East Afr Med J** 1983 Oct;60(10):683–7

Urinary acidifiers in phencyclidine detoxification. Simpson GM, et al. **Hillside J Clin Psychiatry** 1983;5(2):161–8

A study of the effects of tamrabhasma, an indigenous preparation of copper on experimental gastric ulcers & secretion. Pandey BL, et al. **Indian J Exp Biol** 1983 May; 21(5):258–64

Vitamin C therapy: lack of effect in fulminant hepatic failure [letter] Koshy A, et al. **Indian J Gastroenterol** 1983 Apr; 2(1):26

Effect of Emblica officinalis on cholesterol-induced atherosclerosis in rabbits. Thakur CP, et al. **Indian J Med Res** 1984 Jan;79:142–6

Experimental bases for ascorbic acid therapy of poisoning by hexavalent chromium compounds. Korallus U, et al. **Int Arch Occup Environ Health** 1984;53(3):247–56

Vitamin C and cancer. Hanck A. **Int Z Vitam Ernahrungsforsch [Beih]** 1983;24:87–104

Vitamin C in the treatment of paediatric intoxications. Schvartsman S. **Int Z Vitam Ernahrungsforsch [Beih]** 1983; 24:125–9

High-dose ascorbic acid prophylaxis in workers occupationally exposed to halogenated ethers. Srám RJ, et al. **J Hyg Epidemiol Microbiol Immunol** 1983; 27(3):305–18

A double-blind controlled evaluation of the nasal decongestant effect of Day Nurse in the common cold. Lea P. **J Int Med Res** 1984;12(2):124–7

Morphophysiological studies in experimental myocardial stress induced by isoproterenol. Note II. The myocardioprotector effect of magnesium ascorbate. Laky D, et al. **Morphol Embryol (Bucur)** 1984 Jan-Mar;30(1):55–9

The paradoxical effect of vitamin C on benzo[a]pyrene-induced tumors and malignancy. Kallistratos G, et al. **Naturwissenschaften** 1984 Mar; 71(3):160–1

Effect of ascorbic acid on ulceration in alkali-burned corneas. Petroutsos G, et al. **Ophthalmic Res** 1984;16(4):185–9

31P NMR study of improvement in oxidative phosphorylation by vitamins K3 and C in a patient with a defect in electron transport at complex III in skeletal muscle. Eleff S, et al. **Proc Natl Acad Sci USA** 1984 Jun; 81(11):3529–33

A trial of ascorbic acid and of multivitamin supplementation on the oral health of West African children. Prentice AM, et al. **Trans R Soc Trop Med Hyg** 1983;77(6):792–5

[Clinico-radiologic studies of a case of scurvy in an infant] Tolone C, et al. **Pediatria (Napoli)** 1983 Jun-Sep; 91(2–3):251–60 (Eng. Abstr.) **(Ita)**

[Correction of biochemical and immunological indices in colonic cancer using optimal doses of retinyl acetate and ascorbic acid] Sergeev AV. **Biull Eksp Biol Med** 1983 Sep; 96(9):90–2 (Eng. Abstr.) **(Rus)**

[Condition of redox processes in myocardial infarction and their correction] Miagkov II, et al. **Kardiologiia** 1984 May; 24(5):104–6 **(Rus)**

[5-Fluorouracil treatment combined with ascorbic acid in patients with disseminated stomach cancer] Shlemkevich MP, et al. **Vrach Delo** 1984 Jul;(7):30–2 (Eng. Abstr.) **(Rus)**

TOXICITY

The effects of ascorbic acid deficiency and excess on the metabolism and toxicity of N-nitrosodimethylamine and N-nitrosodiethylamine in the guinea pig. Ton CC, et al. **Carcinogenesis** 1984 Apr;5(4):533–6

On the cytotoxicity of vitamin C and metal ions. A site-specific Fenton mechanism. Samuni A, et al. **Eur J Biochem** 1983 Dec 1;137(1–2):119–24

Sodium erythorbate is not carcinogenic in F344 rats. Abe I, et al. **Exp Mol Pathol** 1984 Aug;41(1):35–43

Genetic toxicology of ascorbic acid. Shamberger RJ. **Mutat Res** 1984 Mar;133(2):135–59 (143 ref.)

Effect of erythorbate on N-methyl-N'-nitro-N-nitrosoguanidine-induced stomach carcinogenesis in F344 rats. Abe I, et al. **Sci Rep Res Inst Tohoku Univ [Med]** 1983 Dec; 30(1–4):40–55

URINE

Prevention of ascorbic acid interference in the measurement of oxalic acid in urine by ion-chromatography. Robertson WG, et al. **Clin Chim Acta** 1984 Jun 27;140(1):97–9

Decrease in urinary excretion of ascorbic acid and histamine in rats after repeated immobilization stress. Suzuki S, et al. **J Nutr** 1984 Feb;114(2):441–6

Evidence of rebound effect with ascorbic acid. Tsao CS, et al. **Med Hypotheses** 1984 Mar;13(3):303–10

Ascorbic acid and test strip reactions for haematuria. Daae LN, et al. **Scand J Clin Lab Invest** 1983 May;43(3):267–9

[Body vitamin C, B1 and B2 allowances for female hothouse workers] Sviatoslavova VV, et al. **Gig Sanit** 1984 Feb; (2):59–61 **(Rus)**

ASCORBIC ACID DEFICIENCY

Effects of ascorbic acid deficiency on the in vitro biosynthesis of cyclooxygenase metabolites in guinea pig lungs. Rothberg KG, et al. **Prostaglandins Leukotrienes Med** 1983 Oct;12(2):137–47

BLOOD

Is leucocyte ascorbic acid an unreliable estimate of vitamin C deficiency? Thomas AJ, et al. **Age Ageing** 1984 Jul; 13(4):243–7

Effect of long-term marginal vitamin C deficiency on plasma triglyceride kinetics in guinea-pigs. Bobek P, et al. **Biomed Biochim Acta** 1983;42(4):413–6

Beta-hydroxyaspartic acid in vitamin K-dependent plasma proteins from scorbutic and warfarin-treated guinea pigs. Stenflo J, et al. **FEBS Lett** 1984 Mar 26;168(2):287–92

COMPLICATIONS

Senile dementia and nutrition [letter] Bober MJ. **Br Med J [Clin Res]** 1984 Apr 21;288(6425):1234

The role of ascorbic acid deficiency in human gingivitis--a new hypothesis. Nakamoto T, et al. **J Theor Biol** 1984 May 21;108(2):163–71

[Vitamins and atherosclerosis] Mironchik VV. **Vopr Pitan** 1983 Sep-Oct;(5):3–9 (71 ref.) **(Rus)**

DIAGNOSIS

Vitamin B1, B2, B6 and C status in the elderly. Keatinge AM, et al. **Ir Med J** 1983 Dec;76(12):488–90

[A case of purpura, or the return to natural diseases] Wechsler B, et al. **Sem Hop Paris** 1984 Jan 12;60(1):21–4 (Eng. Abstr.) **(Fre)**

DRUG THERAPY

[Correction of avitaminosis in workers of beet sugar-processing plant] Doroshenko PN. **Gig Tr Prof Zabol** 1984 Mar;(3):56–7 **(Rus)**

ETIOLOGY

Smoking: an important factor in vitamin C deficiency. Hoefel OS. **Int Z Vitam Ernahrungsforsch [Beih]** 1983;24:121–4

[Deficiency anemias in tropical countries] Lechner K, et al. **Wien Klin Wochenschr** 1984 Jul 6;96(14):539–41 (Eng. Abstr.) **(Ger)**

METABOLISM

Ascorbate deficiency results in decreased collagen production: under-hydroxylation of proline leads to increased intracellular degradation. Berg RA, et al. **Arch Biochem Biophys** 1983 Oct 15;226(2):681–6

A histological and biochemical study of the effect of vitamin C-deficiency on induction of amelogenesis in hamster molars in vitro. Bronckers AL. **Arch Oral Biol** 1983; 28(8):681–92

Effect of vitamin C deficiency on hydroxylation of trimethylaminobutyrate to carnitine in the guinea pig. Thoma WJ, et al. **Biochim Biophys Acta** 1984 Jan 24; 797(1):136–9

The effects of ascorbic acid deficiency and excess on the metabolism and toxicity of N-nitrosodimethylamine and N-nitrosodiethylamine in the guinea pig. Ton CC, et al. **Carcinogenesis** 1984 Apr;5(4):533–6

Carnitine biosynthesis from gamma-butyrobetaine and from exogenous protein-bound 6-N-trimethyl-L-lysine by the perfused guinea pig liver. Effect of ascorbate deficiency on the in situ activity of gamma-butyrobetaine hydroxylase. Dunn WA, et al. **J Biol Chem** 1984 Sep 10;259(17):10764–70

Lack of effect of experimental ascorbic acid deficiency on bile acid metabolism, sterol balance, and biliary lipid composition in man. Duane WC, et al. **J Lipid Res** 1983 Sep;24(9):1186–95

Long-term effects of inadequate and excessive dietary ascorbate on bile acid metabolism in the guinea pig. Holloway DE, et al. **J Nutr** 1984 Aug;114(8):1370–6

PHYSIOPATHOLOGY

Dietary ascorbic acid deficiency in guinea pigs: no effect on ethanol preference, siproperidol binding, or monoamine oxidase activity. Dolinsky ZS, et al. **Life Sci** 1984 May 28;34(22):2159–64

PREVENTION & CONTROL

[Prevention of vitamin C deficiency in ship's specialists] Novikov VS, et al. **Gig Sanit** 1984 Jun;(6):85–7 **(Rus)**

ASEPSIS see under **ANTISEPSIS**

ASIALIA see **XEROSTOMIA**

ASIALOGANGLIOSIDES see **GLYCOSPHINGOLIPIDS**

ASIAN AMERICANS

Ericksonian hypnotic framework for Asian-Americans. Kim SC. **Am J Clin Hypn** 1983 Apr;25(4):235–41

Prevalence of depression among Asian-Americans. Kuo WH. **J Nerv Ment Dis** 1984 Aug;172(8):449–57

Vietnamese postpartum practices. Implications for nursing

in the hospital setting. Wadd L. JOGN Nurs 1983 Jul-Aug; 12(4):252-8
Honolulu Heart Study: discussion. Morton NE. Prog Clin Biol Res 1984;147:117-20
Honolulu Heart Study: review of epidemiologic data and design. Stern MP. Prog Clin Biol Res 1984;147:93-104
Honolulu Heart Study: review of genetic analyses. Suarez BK. Prog Clin Biol Res 1984;147:105-16
Epidemiologic studies of coronary heart disease and stroke in Japanese men living in Japan, Hawaii and California: incidence of stroke in Japan and Hawaii. Takeya Y, et al. Stroke 1984 Jan-Feb;15(1):15-23

PSYCHOLOGY

Health and illness in Pilipino immigrants. Anderson JN. West J Med 1983 Dec;139(6):811-9 (72 ref.)
Japanese responses to social change--making the strange familiar. Lock M. West J Med 1983 Dec;139(6):829-34 (56 ref.)
The role of a community-based satellite clinic in the perinatal care of non-English-speaking immigrants. Minkler DH. West J Med 1983 Dec;139(6):905-9
In search of healers--Southeast Asian refugees in the American health care system. Muecke MA. West J Med 1983 Dec;139(6):835-40 (55 ref.)

ASIATIC RACE see MONGOLOID RACE

ASPAMINOL see under PIPERIDINES

ASPARAGINASE

The effect of freeze-drying on the quaternary structure of L-asparaginase from Erwinia carotovora. Hellman K, et al. Biochim Biophys Acta 1983 Dec 12;749(2):133-42

ADMINISTRATION & DOSAGE

Differentiation versus cytoreduction during remission induction in acute nonlymphoblastic leukemia treated with sequential high-dose ara-C and asparaginase. Ross DW, et al. Cancer 1984 Apr 15;53(8):1651-4
Sequential combination of high dose ARA-C (HiDAC) and asparaginase (ASP) for the treatment of advanced acute leukemia and lymphoma. Amadori S, et al. Leuk Res 1984; 8(4):729-35

ADVERSE EFFECTS

Thrombosis in patients treated with L-asparaginase [letter] Terebelo HK. J Am Osteopath Assoc 1983 Aug;82(12):885
[Non-Hodgkin's lymphoma with transient abnormal glucose tolerance by the administration of L-asparaginase and prednisolone] Hojo M, et al. Horumon To Rinsho 1983 Jun; 31 Suppl:176-8 (Jpn)
[A case of acute lymphocytic leukemia complicated with multiple pancreatic pseudocysts probably caused by L-asparaginase] Izumi Y, et al. Rinsho Ketsueki 1984 Jan; 25(1):57-62 (Eng. Abstr.) (Jpn)

ANALYSIS

L-asparaginase activity in cell-free extracts of Thermoactinomyces vulgaris 13 M.E.S. Mostafa SA, et al. Zentralbl Mikrobiol 1983;138(5):397-404

ANTAGONISTS & INHIBITORS

Vasopressin release by D-aspartic acid, morphine and prolyl-leucyl-glycinamide (PLG) in DI Brattleboro rats. Koyuncuoğlu H, et al. Pharmacol Biochem Behav 1984 Apr; 20(4):519-25

GENETICS

Asparaginase II of Saccharomyces cerevisiae: positive selection of two mutations that prevent enzyme synthesis. Kim KW, et al. J Bacteriol 1984 Mar;157(3):958-61

IMMUNOLOGY

Monoclonal antibodies to L-asparaginase. Kitao T, et al. Experientia 1984 Feb 15;40(2):200-1
[Plasma exchange in the management of a patient with anti-L-asparaginase antibody] Sasaki T, et al. Rinsho Ketsueki 1983 Dec;24(12):1699-703 (Eng. Abstr.) (Jpn)

METABOLISM

Cyclic activity of L-asparaginase through reversible phosphorylation in Leptosphaeria michotii. Jerebzoff S, et al. FEBS Lett 1984 Jun 4;171(1):67-71

PHARMACODYNAMICS

L-asparaginase: acute effects on protein synthesis in rabbits with normal and increased fibrinogen production. Alving BM, et al. Blood 1984 Apr;63(4):823-7
Effect of asparaginase on cell membranes of sensitive and resistant mouse lymphoma cells. Ankel EG, et al. In Vitro 1984 May;20(5):376-84

THERAPEUTIC USE

Pulmonary embolism and L-asparaginase therapy [letter] Guarnaccia C, et al. Acta Haematol (Basel) 1984;71(3):215
The influence of L-asparaginase therapy on the fibrinolytic system. Vellenga E, et al. Br J Haematol 1984 Jun; 57(2):247-54
Influence of intensive asparaginase in the treatment of childhood non-T-cell acute lymphoblastic leukemia. Sallan SE, et al. Cancer Res 1983 Nov;43(11):5601-7
Distinctive sensitivity of some T-leukemia cell lines to L-asparaginase. Koishi T, et al. Gann 1984 Mar; 75(3):275-83
Potential use of an asparaginase-dextran conjugate in acute lymphoblastic leukaemia. Wileman T, et al. J Pharm Pharmacol 1983 Nov;35(11):762-5
Modified pharmacokinetics of I-asparaginase from E coli by formation of specific antibodies to I-Asparaginase of different immunoglobulin classes in children with acute lymphocytic leukemia. Wahn V, et al. Pediatr Pharmacol (New York) 1983;3(3-4):303-11
[Effectiveness of various methods of chemotherapy of lymphosarcoma] Abdyldaev RA, et al. Ter Arkh 1984; 56(6):70-5 (Eng. Abstr.) (Rus)

ASPARAGINE

Analysis of asparagine-linked oligosaccharides from plasma membranes of rat normal liver and ascites hepatoma cells. Takahashi N, et al. Biochem Int 1984 May;8(5):639-45
Solution conformation of asparagine-linked oligosaccharides: alpha(1-6)-linked moiety. Brisson JR, et al. Biochemistry 1983 Jul 19;22(15):3680-6
Solution conformation of asparagine-linked oligosaccharides: alpha(1-2)-, alpha(1-3)-, beta(1-2)-, and beta(1-4)-linked units. Brisson JR, et al. Biochemistry 1983 Jul 19; 22(15):3671-80
Relationship between cell surface asparagine-linked glycoproteins and myoblast differentiation. Analysis of wheat germ agglutinin-resistant mutants. Gilfix BM, et al. Can J Biochem Cell Biol 1984 Jan;62(1):60-71
Inhibitors of the biosynthesis and processing of N-linked oligosaccharides. Elbein AD. CRC Crit Rev Biochem 1984; 16(1):21-49 (174 ref.)
Role of the carboxamide groups of the asparagine and glycinamide residues of oxytocin. Syntheses and biological properties of [5-beta-cyanoalanine] oxytocin and [9-alpha-aminoacetonitrile] oxytocin. Roy U, et al. Int J Pept Protein Res 1983 Nov;22(5):525-38
Cloning and expression in Escherichia coli of a yeast mannosyltransferase from the asparagine-linked glycosylation pathway. Couto JR, et al. J Biol Chem 1984 Jan 10;259(1):378-82
Structural analysis of the asparagine-linked oligosaccharides from three lysosomal enzymes of Dictyostelium discoideum. Evidence for an unusual acid-stable phosphodiester. Freeze HH, et al. J Biol Chem 1983 Dec 25;258(24):14874-9
The mod A mutant of Dictyostelium discoideum is missing the alpha 1,3-glucosidase involved in asparagine-linked oligosaccharide processing. Freeze HH, et al. J Biol Chem 1983 Dec 25;258(24):14880-4
Structures of the asparagine-linked sugar chains of human chorionic gonadotropin produced in choriocarcinoma. Appearance of triantennary sugar chains and unique biantennary sugar chains. Mizuochi T, et al. J Biol Chem 1983 Dec 10;258(23):14126-9
Control of asparagine-linked oligosaccharide chain processing: studies on bovine pancreatic ribonuclease B. An in vitro system for the processing of exogenous glycoproteins. Williams DB, et al. J Biol Chem 1984 Apr 25;259(8):5105-14
Sulfated asparagine-linked sugar chains of hen egg albumin. Yamashita K, et al. J Biol Chem 1983 Dec 10; 258(23):14144-7
Asparagine-linked oligosaccharides in murine tumor cells: comparison of a WGA-resistant (WGAr) nonmetastatic mutant and a related WGA-sensitive (WGAs) metastatic line. Dennis JW, et al. J Cell Biol 1984 Sep;99(3):1034-44

ANALOGS & DERIVATIVES

Metabolism of a transformation-sensitive amino acid fucoside in normal and simian virus 40-transformed human embryonic lung cells. Steiner SM, et al. Cancer Res 1984 Oct;44(10):4476-9
Role of asparagine-linked oligosaccharides in secretion of glycoproteins of the mouse egg's extracellular coat. Roller RJ, et al. J Biol Chem 1983 Nov 10;258(21):13243-9

ANALYSIS

Isolation and characterization of an asparagine-linked keratan sulfate from the skin of a marine teleost, Scomber japonicus. Ito M, et al. Biochim Biophys Acta 1984 Feb 14; 797(2):221-30
The glycoprotein 71 of ecotropic Friend murine leukemia virus. Structure of the oligosaccharides linked to asparagine-12. Schlüter M, et al. FEBS Lett 1984 Apr 24; 169(2):194-8
Structure of the N-asparagine-linked oligosaccharide units of human placental beta-glucocerebrosidase. Takasaki S, et al. J Biol Chem 1984 Aug 25;259(16):10112-7
Uteroferrin has N-asparagine-linked high-mannose-type oligosaccharides that contain mannose 6-phosphate. Baumbach GA, et al. Proc Natl Acad Sci USA 1984 May; 81(10):2985-9

BLOOD

Peritoneal ammonia, a possible inhibitor for blood amino acid loss. Giordano C, et al. Kidney Int [Suppl] 1983 Dec; 16:S71-6

GENETICS

Regulation of asparagine-linked oligosaccharide processing. Oligosaccharide processing in Aedes albopictus mosquito cells. Hsieh P, et al. J Biol Chem 1984 Feb 25; 259(4):2375-82
Codon specificity of starvation induced misreading. Johnston TC, et al. MGG 1984;195(3):459-65
Yeast mutants deficient in protein glycosylation. Huffaker TC, et al. Proc Natl Acad Sci USA 1983 Dec;80(24):7466-70

METABOLISM

The stimulus-secretion coupling of amino acid-induced insulin release: metabolism of L-asparagine in pancreatic islets. Sener A, et al. Arch Biochem Biophys 1984 Feb 15; 229(1):155-69
Incomplete glycosylation of Asn 563 in mouse immunoglobulin M. Anderson DR, et al. Biochem Biophys Res Commun 1983 Oct 31;116(2):771-6
The stimulus-secretion coupling of amino acid-induced insulin release metabolic interaction of L-asparagine and L-leucine in pancreatic islets. Malaisse WJ, et al. Biochim Biophys Acta 1984 Feb 14;797(2):194-202
Control of glycoprotein synthesis. The in vitro synthesis by hen oviduct membrane preparations of hybrid asparagine-linked oligosaccharides containing 5 mannose residues. Allen SD, et al. J Biol Chem 1984 Jun 10; 259(11):6984-90
Stoichiometric methylation of porcine adrenocorticotropin by protein carboxyl methyltransferase requires deamidation of asparagine 25. Evidence for methylation at the alpha-carboxyl group of atypical L-isoaspartyl residues. Aswad DW. J Biol Chem 1984 Sep 10;259(17):10714-21
ADP-ribosylation of transducin by islet-activation protein. Identification of asparagine as the site of ADP-ribosylation. Manning DR, et al. J Biol Chem 1984 Jan 25;259(2):749-56
Two yeast mutations in glucosylation steps of the asparagine glycosylation pathway. Runge KW, et al. J Biol Chem 1984 Jan 10;259(1):412-7
Asparagine and glutamine metabolism in chicks. Coon C, et al. Poult Sci 1984 Apr;63(4):717-29
[Experiments to replace asparagine in Sauton's medium with organic acids in producing PPD tuberculins] Kirilov N, et al. Vet Med Nauki 1984;21(3):29-35 (Eng. Abstr.) (Bul)

PHARMACODYNAMICS

The stimulus-secretion coupling of amino acid-induced insulin release. Secretory and oxidative response of pancreatic islets to L-asparagine. Malaisse-Lagae F, et al. Diabetes 1984 May;33(5):464-9
Properties of asparagine synthetase in asparagine-independent variants of Jensen rat sarcoma cells induced by 5-azacytidine. Sugiyama RH, et al. Mol Cell Biol 1983 Nov;3(11):1937-42

THERAPEUTIC USE

Experimental study on the antitumoral activity of some N-mustards derivatives of the L-asparagic acid. Năstasă V, et al. Rev Med Chir Soc Med Nat Iasi 1983 Oct-Dec; 87(4):619-22

ASPARAGINE SYNTHETASE see under LIGASES

ASPARTAME see under DIPEPTIDES

ASPARTATE AMINOTRANSFERASE

The complete amino acid sequence of aspartate aminotransferase from Escherichia coli: sequence comparison with pig isoenzymes. Kondo K, et al. Biochem Biophys Res Commun 1984 Jul 18;122(1):62-7
Comparison of aspartate aminotransferase with other aminotransferases by absorption-spectrum analysis. John RA, et al. Biochem Soc Trans 1984 Jun;12(3):430-2
Mechanism of action of aspartate aminotransferase proposed on the basis of its spatial structure. Kirsch JF, et al. J Mol Biol 1984 Apr 15;174(3):497-525
Crystallographic and chemical studies on cytosolic aspartate aminotransferase. Arnone A, et al. Prog Clin Biol Res 1984; 144B:171-93

ANALYSIS

Ultrahistochemical localization of the glutamate-oxaloacetate transaminase (GOT) enzyme in hepatic and skeletal muscle cells in rat. Demel S, et al. Acta Histochem (Jena) 1983; 73(1):27-31
Precursor of mitochondrial glutamic oxaloacetic transaminase isozyme exists as a dimer. Sakakibara R, et al. Biochem Int 1983 Feb;6(2):231-8
Primary structures of aspartate aminotransferases. Bossa F, et al. Biochem Soc Trans 1984 Jun;12(3):421-4
Three-dimensional structure of mitochondrial aspartate aminotransferase and some functional derivatives: implications for its mode of action. Jansonius JN, et al. Biochem Soc Trans 1984 Jun;12(3):424-7

Tissue specific alteration of aminotransferases and total ATPases in the fish (Tilapia mossambica) under methyl parathion impact. Prasada Rao KS, et al. **Toxicol Lett** 1984 Jan;20(1):53–7

Elevated transaminases and hepatomegaly in an obese diabetic [clinical conference] **Yale J Biol Med** 1983 Jul–Aug;56(4):323–34

[Analysis of cytoplasmic aspartate aminotransferase using active enzyme centrifugation] Chebotareva NA, et al. **Biokhimiia** 1984 May;49(5):870–4 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

'In vivo' inhibition of murine liver aspartate aminotransferase by isoniazid. Yamada R, et al. **Acta Vitaminol Enzymol** 1984;6(1):29–39

Selective inhibition of alanine aminotransferase and aspartate aminotransferase in rat hepatocytes. Cornell NW, et al. **Biochem J** 1984 Jun 15;220(3):707–16

Inhibition of aspartate aminotransferase by hydrazinosuccinate. Yamada RH, et al. **Biochim Biophys Acta** 1984 Sep 7;801(1):151–4

Mechanism of inactivation of pyridoxal phosphate-linked aspartate transaminase by gostatin. Nishino T, et al. **J Biochem (Tokyo)** 1984 May;95(5):1283–8

Interaction of pig heart cytosolic aspartate aminotransferase with fluorescein derivatives. Dimitropoulos CG, et al. **Prog Clin Biol Res** 1984;144B:125–35

BIOSYNTHESIS

Effect of cycloheximide on increased aspartate aminotransferase in carbon tetrachloride hepatotoxicity. Pappas NJ Jr, et al. **Ann Clin Lab Sci** 1984 Jan–Feb; 14(1):40–6

Inhibitors of maturation and degradation of the precursor of mitochondrial aspartate aminotransferase. Jaussi R, et al. **Prog Clin Biol Res** 1984;144B:27–32

BLOOD

Heparin-induced increase in serum levels of aminotranferases. A controlled clinical trial. Nielsen HK, et al. **Acta Med Scand** 1984;215(3):231–3

Serum aminotransferase activities in sickle cell children during crises. Osifo BO, et al. **Acta Trop (Basel)** 1984 Jun; 41(2):173–9

Glutamic-oxalacetic transaminase (SGOT) and glutamic-pyruvic transaminase (SGPT) in newborns in relation to the gestational age. Zanardo V, et al. **Acta Vitaminol Enzymol** 1983;5(3):185–91

Relationship between serum phosphate and parenteral nutrition—associated increase in serum glutamic-oxaloacetic transaminase. Nanji AA, et al. **Am J Clin Nutr** 1984 Jun;39(6):860–2

Elevated SGOT/SGPT ratio in alcoholic patients with acetaminophen hepatotoxicity. Himmelstein DU, et al. **Am J Gastroenterol** 1984 Sep;79(9):718–20

Diet-induced changes in serum transaminase and triglyceride levels in healthy adult men. Role of sucrose and excess calories. Porikos KP, et al. **Am J Med** 1983 Oct; 75(4):624–30

Transaminase elevations in patients receiving bovine or porcine heparin. Dukes GE Jr, et al. **Ann Intern Med** 1984 May;100(5):646–50

Serum uric acid, inorganic phosphorus, and glutamic-oxalacetic transaminase and blood pressure in carbohydrate-sensitive adults consuming three different levels of sucrose. Israel KD, et al. **Ann Nutr Metab** 1983; 27(5):425–35

Effect of subtoxic amounts of furan, acetylfuran and methylene chloride on some serum enzymes of rat. Corsi GC, et al. **Boll Soc Ital Biol Sper** 1983 Aug 30;59(8):1049–52

Effect of short pre-incubation on activation of aspartate aminotransferase by pyridoxal-5-phosphate in automated procedures [letter] Barnard HC, et al. **Clin Chem** 1984 Jan; 30(1):164–5

Activities of some enzymes in serum after therapy with intracoronary streptokinase in acute myocardial infarction. Kwong TC, et al. **Clin Chem** 1984 May;30(5):731–4

Radioimmunoassay of aspartate aminotransferase isoenzymes in human serum. Leung FY, et al. **Clin Chem** 1984 Aug; 30(8):1361–5

Discrepancies in measurement of aspartate aminotransferase by continuous-flow analysis. West P. **Clin Chem** 1983 Dec; 29(12):2086–8

Mitochondrial and cytoplasmic isoenzymes of aspartate aminotransferase in sera of patients after myocardial infarction. Rabkin SW, et al. **Clin Chim Acta** 1984 Apr 27;138(3):245–57

A convenient and sensitive method for the determination of serum aspartate aminotransferase isozymes after electrophoresis. Sakakibara S, et al. **Clin Chim Acta** 1983 Sep 15;133(1):119–23

The pattern of gamma-glutamyl transpeptidase, alkaline phosphatase, serum glutamyl oxalate transaminase and serum glutamyl pyruvate transaminase in patients with disseminated non-seminomatous testicular tumors. van 't Sant P, et al. **Eur J Cancer Clin Oncol** 1984 Feb; 20(2):209–15

The effect of repeated administration of L-thyroxine on the activity of certain enzymes in the blood plasma of hens. Majewska H, et al. **Exp Clin Endocrinol** 1983 Nov; 82(3):320–4

Elevated serum transaminase as a presenting clue for precirrhotic hemochromatosis. Kobylak LJ. **Henry Ford Hosp Med J** 1984;32(1):46–7

The value of enzyme leakage for the prediction of necrosis in liver ischemia. Frederiks WM, et al. **Histochemistry** 1983; 78(4):459–72

The usefulness of the measurement of red blood cell enzyme activation in the detection of vitamin B1, B2 and B6 deficiency. Baines M. **Int Z Vitam Ernahrungsforsch [Beih]** 1983;24:69–75

A two-year longitudinal reference range study for selected serum enzymes in a population more than 60 years of age. Tietz NW, et al. **J Am Geriatr Soc** 1984 Aug;32(8):563–70

Clinical and diagnostic significance of aspartate aminotransferase isoenzymes in sera of patients with liver diseases. Panteghini M, et al. **J Clin Chem Clin Biochem** 1984 Feb;22(2):153–8

A multi-centre evaluation of the FP-900 analyzing system. Saris NE, et al. **J Clin Chem Clin Biochem** 1983 Nov; 21(11):683–93

Biochemical studies in cases of childhood liver cirrhosis. Khalifa AA, et al. **J Egypt Soc Parasitol** 1983 Dec; 13(2):533–8

Effects of intensity and duration of muscular exercise on delayed soreness and serum enzyme activities. Tiidus PM, et al. **Med Sci Sports Exerc** 1983;15(6):461–5

Decreased serum aspartate aminotransferase activity in patients receiving corticosteroids and/or azathioprine [letter] Nanji AA. **Nephron** 1984;36(1):75–6

The proportion of mitochondrial isoenzyme of aspartate aminotransferase is not elevated in Reye's syndrome. Mock DM, et al. **Pediatr Res** 1983 Nov;17(11):884–8

Carbon tetrachloride (CCl4) levels and serum activities of liver enzymes following acute CCl4 intoxication. Teschke R, et al. **Toxicol Lett** 1983 Jun;17(1–2):175–80

Mercuric chloride stress on serum transaminase activity in Notopterus notopterus. Verma SR, et al. **Toxicol Lett** 1984 Jan;20(1):49–52

[Comparative studies in the determination of GOT and GPT with the Fermognost kits for manual and automatic analysis] Danev S, et al. **Vutr Boles** 1983;22(3):99–103 **(Bul)**

[Effect of a controlled regimen of pyridoxol hydrochloride on the liver content of vitamin B6 and on the transaminase activities of erythrocytes in rats] Lequeu B, et al. **C R Soc Biol (Paris)** 1984;178(1):98–104 (Eng. Abstr.) **(Fre)**

[Plasma variations in severe head injuries: prognosis and post-traumatic surveillance. I. Enzymes] Bourguignat A, et al. **Pathol Biol (Paris)** 1983 Dec;31(10):829–32 (Eng. Abstr.) **(Fre)**

[Comparison of serum AST, ALT, AP and GGT activities in the diagnosis of liver diseases in dogs] Kraft W, et al. **Berl Munch Tierarztl Wochenschr** 1983 Dec 1;96(12):421–31 (Eng. Abstr.) **(Ger)**

[Isoenzyme studies in acute leukemia] Kothe K, et al. **Radiobiol Radiother (Berl)** 1983;24(3):321–30 (Eng. Abstr.) **(Ger)**

[Effect of the intake of a small quantity of ethanol on the determination of the serum enzymes ALAT, ASAT and gamma-GT in normal subjects] Köhler P, et al. **Z Med Lab Diagn** 1984;25(2):76–80 (Eng. Abstr.) **(Ger)**

[Relation between postoperative serum GOT, GPT, and LDH activities and succinylcholine administered during anesthesia in children] Inagaki M, et al. **Masui** 1983 Sep; 32(9):1075–80 (Eng. Abstr.) **(Jpn)**

[Methods of serum enzyme determination and its clinical significance: GOT and GPT] Ohkubo A. **Rinsho Byori** 1983 Jun;Suppl 55:115–33 **(Jpn)**

[Differentiated forms of aspartate aminotransferase in the serum of patients with primary lung cancer] Krzyżaniak J, et al. **Pneumonol Pol** 1984 Mar;52(3):111–6 (Eng. Abstr.) **(Pol)**

[Serum alanine aminotransferase, aspartate aminotransferase and beta-glucuronidase in petroleum refining workers exposed to hydrocarbons] Scianowski J, et al. **Przegl Lek** 1983;40(7):587–90 (Eng. Abstr.) **(Pol)**

[Species differences and seasonal fluctuations in the enzyme activity of the blood in experimental animals] Laricheva NI, et al. **Fiziol Zh** 1984 Mar–Apr;30(2):191–4 (Eng. Abstr.) **(Rus)**

[Assessment of the results of serum enzyme studies in different forms of myocardial infarction] Tokarskaia ZB, et al. **Kardiologiia** 1983 Jul;23(7):64–9 (Eng. Abstr.) **(Rus)**

[Enzymes of energy metabolism in modeling of various factors of space flight] Kalandarov S, et al. **Kosm Biol Aviakosm Med** 1983 Sep–Oct;17(5):49–51 (Eng. Abstr.) **(Rus)**

[Maternal and fetal serum aminotransferase and aldolase activities in chronic fetoplacental insufficiency] Goriachev VV. **Sov Med** 1984;(4):48–51 (Eng. Abstr.) **(Rus)**

[Aminotransferases in mice infected with a virulent strain of Toxoplasma gondii] Nemec R, et al. **Bratisl Lek Listy** 1983 Jul;80(1):41–4 (Eng. Abstr.) **(Slo)**

GENETICS

Genetics of mitochondrial glutamate-oxaloacetate transaminase (GOT-2) in Tigriopus californicus. Dill MM, et al. **Biochem Genet** 1984 Apr;22(3–4):339–47

Rat liver mitochondrial aspartate aminotransferase mRNA: isolation of mRNA by polyacrylamide gel electrophoresis. Greco M, et al. **Boll Soc Ital Biol Sper** 1983 Dec 30; 59(12):1780–4

Rat liver mitochondrial aspartate aminotransferase mRNA: synthesis of an higher molecular weight precursor by free polysomes. Marra E, et al. **Boll Soc Ital Biol Sper** 1983 Dec 30;59(12):1785–90

Genetic polymorphism of mitochondrial glutamate-oxaloacetate transaminase in Japanese. Toyomasu T, et al. **Hum Genet** 1984;66(1):90–1

Linkage of the equine serum esterase (Es) and mitochondrial glutamate oxaloacetate transaminase (GOTM) loci. A horse-mouse homology. Andersson L, et al. **J Hered** 1983 Sep–Oct;74(5):361–4

Prenatal prediction of duplication 10q24 leads to qter by gene dosage of GOT1 on uncultured amniotic cells. Dallapiccola B, et al. **Prenat Diagn** 1983 Oct;3(4):337–41

Biosynthesis of aspartate aminotransferases. Christen P, et al. **Prog Clin Biol Res** 1984;144B:17–25

Aspartate aminotransferase from E. coli—a comparative study among E. coli, and yeast enzymes and pig heart isozymes. Kagamiyama H, et al. **Prog Clin Biol Res** 1984; 144B:293–302

Precursor forms of cytosolic and mitochondrial pig heart aspartate aminotransferase isozymes. Sannia G, et al. **Prog Clin Biol Res** 1984;144B:43–6

ISOLATION & PURIFICATION

Organ specificity of glucocorticoid-sensitive tyrosine aminotransferase. Separation from aspartate aminotransferase isoenzymes. Hargrove JL, et al. **J Biol Chem** 1984 Jan 10;259(1):386–93

Primary structure of aspartate aminotransferase isoenzymes from mammalian heart. Barra D, et al. **Prog Clin Biol Res** 1984;144B:285–91

A facile purification of tyrosine aminotransferase that separates it from the isoenzymes of aspartate aminotransferase. Hargrove JL. **Prog Clin Biol Res** 1984; 144B:305–12

Multiple forms of aspartate aminotransferase as studied by liquid chromatography. Soronen R, et al. **Prog Clin Biol Res** 1984;144B:313–9

METABOLISM

Sensitivity of enzymatic release due to ischemia in the isolated rat heart. Negroni JA, et al. **Acta Physiol Lat Am** 1982;32(4):303–11

The effect of natural training and electrostimulation on changes of alanine transaminase and aspartate transaminase activity in rat skeletal muscles. Flisińska-Bojanowska A, et al. **Acta Physiol Pol** 1983 Mar–Apr;34(2):249–56

Comparison of the coupling recoveries of immobilized aspartate aminotransferase. Specific activity, enzyme-bound coenzyme, and transaminationable active centers. Kurkijärvi K, et al. **Appl Biochem Biotechnol** 1983 Apr;8(2):135–44

Interactions between carbamyl phosphate synthase-I-mitochondrial aspartate aminotransferase and palmitoyl-CoA. Fahien LA, et al. **Arch Biochem Biophys** 1984 Apr;230(1):213–21

Effects of ligands and pH on the reactions of aspartate aminotransferase with aminooxyacetate and hydroxylamine. Raunio RP, et al. **Arch Biochem Biophys** 1984 Aug 15;233(1):43–9

Aspartate- and tyrosine transaminase activities in the organs of the rat during its breeding cycle. Arola L, et al. **Arch Int Physiol Biochim** 1983 Jul;91(2):109–14

The influence of dietary methionine, protein, and energy levels on glutamic-oxalacetate and glutamic-pyruvate transaminases of chicken. Amubode FO, et al. **Beitr Trop Landwirtsch Veterinarmed** 1984;22(2):193–200

Correlation of structure and catalysis by aspartate aminotransferase isoenzymes. Christen P, et al. **Biochem Soc Trans** 1984 Jun;12(3):427–30

On the catalytic factors involved in the mechanism of aspartate aminotransferase: Chairman's remarks. Vernon CA. **Biochem Soc Trans** 1984 Jun;12(3):420–1

Neoglycoproteins: preparation of noncovalent glycoproteins through high-affinity protein- (glycosyl) ligand complexes. Chen VJ, et al. **Biochemistry** 1984 Jul 3;23(14):3306–11

Partial amino-acid sequence and cysteine reactivities of cytosolic aspartate aminotransferase from horse heart. Martini F, et al. **Biochim Biophys Acta** 1984 Aug 28; 789(1):51–6

Immunocytochemical localizations of cytosolic and mitochondrial glutamic oxaloacetic transaminase isozymes in rat brain. Kamisaki Y, et al. **Brain Res** 1984 Apr 16; 297(2):363–8

Postnatal changes in the activity of glutamate dehydrogenase and aspartate aminotransferase in the rat nervous system with special reference to the glutamate transmitter metabolism. Rothe F, et al. **Brain Res** 1983 Dec; 313(1):67–74

Studies on kinetic properties of lactic dehydrogenase and glutamic-oxaloacetic transaminase in bovine seminal plasma. Gupta RS, et al. **Cell Mol Biol** 1984;30(3):249–51

Influence of substrate concentration on the activation of transketolase, aspartate aminotransferase, and glutathione reductase by coenzymes. Hafkenscheid JC, et al. **Clin Chem** 1984 Jan;30(1):143–4

Pyridoxal-5'-phosphate-induced stimulation of aspartate aminotransferase and its isoenzymes in human myocardial

biopsies and autopsies. Hollaar L, et al. **Clin Chim Acta** 1984 May 16;139(1):47–53

Primary structure of aspartate aminotransferase from horse heart and comparison with that of other homotopic and heterotopic isoenzymes. Martini F, et al. **Comp Biochem Physiol [B]** 1983;76(3):483–7

Alanine and aspartate aminotransferases in normal and denervated skeletal muscle. Asotra K, et al. **Experientia** 1984 Sep 15;40(9):951–3

Cooperative effects in the binding of pyridoxal 5'-phosphate to mitochondrial apo-aspartate aminotransferase. Garzillo AM, et al. **FEBS Lett** 1984 May 21;170(2):223–8

Relationship between pyridoxal 5'-phosphate deficiency and aminotransferase levels in alcoholic hepatitis. Diehl AM, et al. **Gastroenterology** 1984 Apr;86(4):632–6

Coenzyme active site occupancy as an indicator of independence of the subunits of mitochondrial aspartate aminotransferase. Iriarte A, et al. **J Biol Chem** 1984 Jun 10;259(11):7003–10

Selective tryptic cleavage of native cytoplasmic aspartate transaminase holoenzyme. Iriarte A, et al. **J Biol Chem** 1984 Jan 25;259(2):723–8

1H NMR studies of aspartate aminotransferase. Histidyl residues of cytosolic and mitochondrial isoenzymes. Morino Y, et al. **J Biol Chem** 1984 Mar 25;259(6):3877–82

Use of beta-methylene-D,L-aspartate to assess the role of aspartate aminotransferase in cerebral oxidative metabolism. Fitzpatrick SM, et al. **J Neurochem** 1983 Nov; 41(5):1370–83

Aspartate aminotransferase activity in fiber tracts of the rat brain. Godfrey DA, et al. **J Neurochem** 1984 May; 42(5):1450–6

Testosterone stimulation of mitochondrial aspartate aminotransferase in organ cultures of rat ventral prostate. Franklin RB, et al. **J Steroid Biochem** 1984 Mar; 20(3):709–13

Aminotransferase-glutamate dehydrogenase-carbamyl phosphate synthase-I interactions. Fahien LA, et al. **Prog Clin Biol Res** 1984;144B:77–86

Cooperative and non-cooperative effects in the binding of coenzyme to mitochondrial and cytosolic Apo-aspartate aminotransferase. Garzillo AM, et al. **Prog Clin Biol Res** 1984;144B:137–44

Aspartate aminotransferase: studies on conformational adaptions and 3H-transfer during transamination. Gehring H, et al. **Prog Clin Biol Res** 1984;144B:223–31

Conformational changes in chicken heart cytosolic aspartate aminotransferase as revealed by X-ray crystallography. Harutyunyan EG, et al. **Prog Clin Biol Res** 1984; 144B:205–12

Interaction of omega-substituted analogs of dicarboxylic amino acids with aspartate aminotransferase. Heller M, et al. **Prog Clin Biol Res** 1984;144B:153–9

Small molecular regulators of the specific trypsin cleavages in aspartate transaminase isozymes. Iriarte A, et al. **Prog Clin Biol Res** 1984;144B:269–76

Differences in thermodynamic stabilities among enzyme and coenzyme ligand complexes in aspartate aminotransferase. Iriarte A, et al. **Prog Clin Biol Res** 1984;144B:107–15

Crystallographic studies on the mechanism of action of mitochondrial aspartate aminotransferase. Jansonius JN, et al. **Prog Clin Biol Res** 1984;144B:195–203

Reorientations of coenzyme in the active site of chicken cytosolic aspartate aminotransferase. Makarov VL, et al. **Prog Clin Biol Res** 1984;144B:213–21

Phosphate as a probe of structure and function of aspartate transaminase isozymes. Martinez-Carrion M, et al. **Prog Clin Biol Res** 1984;144B:97–106

Limited proteolytic cleavage of aspartate aminotransferase isoenzymes. Meer L, et al. **Prog Clin Biol Res** 1984; 144B:277–83

Studies on the structure of the beta subform of cytosolic aspartate aminotransferase. Metzler CM. **Prog Clin Biol Res** 1984;144B:145–52

Proton nuclear magnetic resonance studies of aspartate aminotransferase isoenzymes from pig heart. Morino Y. **Prog Clin Biol Res** 1984;144B:255–65

In vivo regulation of activities and amounts of aspartate aminotransferase by pyridoxal phosphate. Okada M, et al. **Prog Clin Biol Res** 1984;144B:47–55

Conformational changes in mitochondrial aspartate aminotransferase detected by a covalently attached fluorescent probe. Sandmeier E, et al. **Prog Clin Biol Res** 1984;144B:117–24

Phosphorus-31 nuclear magnetic resonance studies on four pyridoxal 5'-phosphate dependent enzymes. Schnackerz KD. **Prog Clin Biol Res** 1984;144A:195–208

NMR studies of 6-fluoropyridoxal 5'-phosphate-containing cytosolic aspartate aminotransferase. Scott RD, et al. **Prog Clin Biol Res** 1984;144B:247–53

Linear dichroism measurements on single crystals of mitochondrial aspartate aminotransferase. Vincent MG, et al. **Prog Clin Biol Res** 1984;144B:233–43

Intracellular localization of glutamic oxaloacetic transaminase isozymes. Wada H, et al. **Prog Clin Biol Res** 1984;144B:33–42

Effects of radiocalcium (45Ca) on murine skeletal muscle. III. Changes in alanine and aspartate aminotransferases. Malhotra RK, et al. **Radiobiol Radiother (Berl)** 1983; 24(3):403–7

Aspartate aminotransferase in Leishmania is a broad-spectrum transaminase. Le Blancq SM, et al. **Trans R Soc Trop Med Hyg** 1984;78(3):373–5

[Relation between aspartate aminotransferase (AST) activity inthe seminal fluid and indicators of boar ejaculate quality] Forejtek P, et al. **Vet Med (Praha)** 1984 Apr;29(4):217–22 (Eng. Abstr.) **(Cze)**

[Intra-erythrocytic GOT activity in uremia and its behavior following pyridoxine administration] Balcke P, et al. **Klin Wochenschr** 1983 Sep 1;61(17):859–63 (Eng. Abstr.) **(Ger)**

[Transmural distribution of hexokinase, glucose-6-phosphate dehydrogenase and glutamate-oxalacetate transaminase in the left ventricle of the rat] Baruffi F, et al. **Boll Soc Ital Biol Sper** 1983 Oct 30;59(10):1412–5 (Eng. Abstr.) **(Ita)**

[Liver enzyme activity before and after surgical treatment of stomach cancer] Aleksandrovich GL, et al. **Khirurgiia (Mosk)** 1984 Jun;(6):18–21 (Eng. Abstr.) **(Rus)**

[Conformation of aspartate aminotransferase in crystals] Borisov VV, et al. **Mol Biol (Mosk)** 1983 Jul-Aug; 17(4):705–13 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Increased serum enzyme activity in microwave-exposed rats. Lu ST, et al. **Radiat Res** 1983 Oct;96(1):152–9

STANDARDS

A unifying reference system for clinical enzymology: aspartate aminotransferase and the International Clinical Enzyme Scale. Bowers GN Jr, et al. **Clin Chem** 1984 Jul; 30(7):1128–36 (97 ref.)

ASPARTATE AMMONIA-LYASE see under **AMMONIA-LYASES**

ASPARTATE CARBAMOYLTRANSFERASE

FFT method to compute solution X-ray scattering curves. Rey FA, et al. **Biochimie** 1984 Feb;66(2):121–6

Stopped-flow solution scattering using synchrotron radiation: apparatus, data collection and data analysis. Fowler AG, et al. **J Biochem Biophys Methods** 1983 Jul; 7(4):317–29

Protein differentiation: a comparison of aspartate transcarbamoylase and ornithine transcarbamoylase from Escherichia coli K-12. Houghton JE, et al. **Proc Natl Acad Sci USA** 1984 Aug;81(15):4864–8

Structure of unligated aspartate carbamoyltransferase of Escherichia coli at 2.6-A resolution. Ke HM, et al. **Proc Natl Acad Sci USA** 1984 Jul;81(13):4037–40

ANTAGONISTS & INHIBITORS

Ligand-mediated conformational changes in wheat-germ aspartate transcarbamoylase indicated by proteolytic susceptibility. Cole SC, et al. **Biochem J** 1984 Jul 15; 221(2):289–96

Flux through the de novo pyrimidine pathway in vivo. Effect of N-phosphonacetyl-L-aspartate, a potent inhibitor of aspartate transcarbamylase. Monks A, et al. **J Biol Chem** 1983 Nov 25;258(22):13564–9

BIOSYNTHESIS

Assembly of the aspartate transcarbamoylase holoenzyme from transcriptionally independent catalytic and regulatory cistrons. Foltermann KF, et al. **J Bacteriol** 1984 Mar; 157(3):891–8

GENETICS

Ty1-promoted expression of aspartate transcarbamylase in the yeast Saccharomyces cerevisiae. Bach ML. **MGG** 1984; 194(3):395–401

Evolutionary divergence of genes for ornithine and aspartate carbamoyl-transferases—complete sequence and mode of regulation of the Escherichia coli argF gene; comparison of argF with argI and pyrB. Van Vliet F, et al. **Nucleic Acids Res** 1984 Aug 10;12(15):6277–89

Partial cDNA sequence to a hamster gene corrects defect in Escherichia coli pyrB mutant. Davidson JN, et al. **Proc Natl Acad Sci USA** 1983 Nov;80(22):6897–901

Thermodynamics of assembly of Escherichia coli aspartate transcarbamoylase. McCarthy MP, et al. **Proc Natl Acad Sci USA** 1983 Nov;80(22):6824–8

Location of amino acid alterations in mutants of aspartate transcarbamoylase: Structural aspects of interallelic complementation. Schachman HK, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(1):115–9

ISOLATION & PURIFICATION

An ultraviolet spectrophotometric assay for aspartate transcarbamylase. Foote J. **Anal Biochem** 1983 Oct 15; 134(2):489–94

METABOLISM

New assay for enzymatic phosphate release: application to aspartate transcarbamylase and other enzymes. Bencini DA, et al. **Anal Biochem** 1983 Jul 15;132(2):259–64

In situ behavior of the pyrimidine pathway enzymes in Saccharomyces cerevisiae. I. Catalytic and regulatory properties of aspartate transcarbamylase. Penverne B, et al. **Arch Biochem Biophys** 1983 Sep;225(2):562–75

Regulatory kinetics of wheat-germ aspartate transcarbamoylase. Adaptation of the concerted model to account for complex kinetic effects of uridine 5'-monophosphate. Yon RJ. **Biochem J** 1984 Jul 15; 221(2):281–7

Aspartate transcarbamylase from human tumoral cell lines: accurate determination of Michaelis constant for carbamylphosphate by intercept replots. Baillon J, et al. **Cancer Res** 1984 May;44(5):2251–2

Degradation of aspartate transcarbamylase in Bacillus subtilis is deficient in rel mutants but is not mediated by guanosine polyphosphates. Bond RW, et al. **J Bacteriol** 1984 May; 158(2):746–8

Statistical limits in Scatchard analysis. Feldman HA. **J Biol Chem** 1983 Nov 10;258(21):12865–7

Site-specific mutagenesis of aspartate transcarbamoylase. Replacement of tyrosine 165 in the catalytic chain by serine reduces enzymatic activity. Robey EA, et al. **J Biol Chem** 1984 Sep 25;259(18):11180–3

Comparison of active mutants and wild-type aspartate transcarbamoylase of Escherichia coli. Vickers LP, et al. **J Biol Chem** 1984 Sep 10;259(17):11027–35

Kinetics of the allosteric transition of aspartate transcarbamylase. Chemical quench studies. Kihara H, et al. **J Mol Biol** 1984 Jul 15;176(4):523–34

ASPARTATE KINASE see under **PHOSPHOTRANSFERASES, ATP**

ASPARTATE SEMIALDEHYDE DEHYDROGENASE

BIOSYNTHESIS

Identification of the promoter of the asd gene of Escherichia coli using in vitro fusion with the lac operon. Haziza C, et al. **Biochimie** 1982 Mar;64(3):227–30

GENETICS

Nucleotide sequence of the asd gene of Escherichia coli: absence of a typical attenuation signal. Haziza C, et al. **EMBO J** 1982;1(3):379–84

ASPARTATE TRANSCARBAMYLASE see **ASPARTATE CARBAMOYLTRANSFERASE**

ASPARTIC ACID

Mechanism of action of thrombin on fibrinogen. Kinetic evidence for involvement of aspartic acid at position P10. Marsh HC Jr, et al. **Biochemistry** 1983 Aug 30; 22(18):4170–4

X-ray structure analysis of a crystal form of L-aspartic acid with a neutral alpha-carboxyl group and a deprotonated side chain carboxyl group. Suresh CG, et al. **Int J Pept Protein Res** 1983 Aug;22(2):176–8

Block-staining tissues with potassium ferrocyanide-reduced osmium tetroxide and lead aspartate for electron microscopic radioautography. Kopriwa BM. **J Histochem Cytochem** 1984 May;32(5):552–4

Racemization of aspartic acid and phenylalanine in the sweetener aspartame at 100 degrees C. Boehm MF, et al. **Proc Natl Acad Sci USA** 1984 Aug;81(16):5263–6

ANALOGS & DERIVATIVES

Phase II evaluation of PALA in patients with refractory metastatic sarcomas. Kurzrock R, et al. **Am J Clin Oncol** 1984 Aug;7(4):305–7

A phase II study of PALA (NSC 224131) in patients with advanced ovarian carcinoma. A Gynecologic Oncology Group study. Muss HB, et al. **Am J Clin Oncol** 1984 Jun; 7(3):257–60

Biological effect of L-asparagine acid hydrazide on Pseudomonas pseudomallei and Salmonella typhimurium. Veljanov D, et al. **Arch Roum Pathol Exp Microbiol** 1983 Apr-Sep;42(2–3):131–40

The dissociative anaesthetics, ketamine and phencyclidine, selectively reduce excitation of central mammalian neurones by N-methyl-aspartate. Anis NA, et al. **Br J Pharmacol** 1983 Jun;79(2):565–75

The effect of the dioxolanes on amino acid induced excitation in the mammalian spinal cord. Berry SC, et al. **Brain Res** 1984 Jul 30;307(1–2):85–90

Ontogenesis of N-acetyl-aspartate and N-acetyl-aspartyl-glutamate in rat brain. Koller KJ, et al. **Brain Res** 1984 Jul;317(1):137–40

Inhibition by N-(phosphonacetyl)-L-aspartate of Ehrlich ascites tumour growth and glucose transport. Leung SW, et al. **Cancer Lett** 1984 Jun;23(2):183–8

Effect of tumor promoter 12-O-tetradecanoylphorbol-13-acetate on recovery of methotrexate-, N-(phosphonacetyl)-L-aspartate-, and cadmium-resistant colony-forming mouse and hamster cells. Bojan F, et al. **Cancer Res** 1983 Nov;43(11):5217–21

Role of endocytosis and lysosomal pH in uptake of N-(phosphonacetyl)-L-aspartate and its inhibition of pyrimidine synthesis. White JC, et al. **Cancer Res** 1984 Feb; 44(2):507–13

Phase II trial of PALA in lymphoma: an Eastern Cooperative

Oncology Group study. Muggia FM, et al. **Cancer Treat Rep** 1984 Mar;68(3):551–3

The halomethylketone derivative L-Glu-gamma-DL-Ala-CH2Cl and N-methyl-D-aspartate as selective antagonists against L-glutamate and kainate excitation respectively on Retzius cells of the leech, Hirudo medicinalis. Mat Jais AM, et al. **Comp Biochem Physiol [C]** 1984;77(2):385–98

Stereoselective effects of two phencyclidine derivatives on N-methylaspartate excitation of spinal neurones in the cat and rat. Berry SC, et al. **Eur J Pharmacol** 1983 Dec 23; 96(3–4):261–7

A three-step synthesis of (+/-)-beta-methyleneaspartic acid. Hand ES, et al. **Int J Pept Protein Res** 1984 Apr;23(4):420–4

Marked radiosensitization of cells in culture to X ray by 5-chlorodeoxycytidine coadministered with tetrahydrouridine, and inhibitors of pyrimidine biosynthesis. Perez LM, et al. **Int J Radiat Oncol Biol Phys** 1984 Aug;10(8):1453–8

Treatment of psoriasis with N-phosphonacetyl-L-aspartate. Doyle JA, et al. **J Am Acad Dermatol** 1984 Jan;10(1):21–4

Beta-hydroxyaspartic acid in vitamin K-dependent proteins. Fernlund P, et al. **J Biol Chem** 1983 Oct 25; 258(20):12509–12

Flux through the de novo pyrimidine pathway in vivo. Effect of N-phosphonacetyl-L-aspartate, a potent inhibitor of aspartate transcarbamylase. Monks A, et al. **J Biol Chem** 1983 Nov 25;258(22):13564–9

Use of beta-methylene-D,L-aspartate to assess the role of aspartate aminotransferase in cerebral oxidative metabolism. Fitzpatrick SM, et al. **J Neurochem** 1983 Nov; 41(5):1370–83

N-methyl aspartate activates voltage-dependent calcium conductance in rat hippocampal pyramidal cells. Dingledine R. **J Physiol (Lond)** 1983 Oct;343:385–405

Structure of amplified DNA in different Syrian hamster cell lines resistant to N-(phosphonacetyl)-L-aspartate. Ardeshir F, et al. **Mol Cell Biol** 1983 Nov;3(11):2076–88

Co-amplification of rRNA genes with CAD genes in N-(phosphonacetyl)-L-aspartate-resistant Syrian hamster cells. Wahl GM, et al. **Mol Cell Biol** 1983 Nov; 3(11):2066–75

Properties of single-step mutants of Syrian hamster cell lines resistant to N-(phosphonacetyl)-L-aspartate. Zieg J, et al. **Mol Cell Biol** 1983 Nov;3(11):2089–98

Voltage-dependent block by Mg2+ of NMDA responses in spinal cord neurones. Mayer ML, et al. **Nature** 1984 May 17–23;309(5965):261–3

Inhibition by N-acetyl-aspartate of aspartate binding to a proteolipid fraction from rat cerebral cortex. Burgal M, et al. **Neurochem Res** 1984 Feb;9(2):219–24

Suppression of audiogenic seizures in DBA/2 mice by two new dipeptide NMDA receptor antagonists. Jones AW, et al. **Neurosci Lett** 1984 Mar 23;45(2):157–61

A comparison of the effects of N-methyl-D-aspartate and quinolinate on central neurones of the rat. McLennan H. **Neurosci Lett** 1984 May 4;46(2):157–60

Magnesium selectively inhibits N-methyl-aspartic acid-induced hypermotility after intra-accumbens injection. Donzanti BA, et al. **Pharmacol Biochem Behav** 1984 Feb;20(2):243–6

[Relative biological effect of L-aspartic acid hydrazide on Pseudomonas pseudomallei and Salmonella typhimurium] Velianov D, et al. **Acta Microbiol Bulg** 1984;14:106–15 (Eng. Abstr.) **(Bul)**

[Effect of potassium and magnesium aspartate on experimental myocardial ischemia and infarction] Jiang XR, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Mar;5(1):36–9 (Eng. Abstr.) **(Chi)**

ANALYSIS

Anticonvulsant activity of intracerebroventricularly administered valproate and valproate analogues. A dose-dependent correlation with changes in brain aspartate and GABA levels in DBA/2 mice. Chapman AG, et al. **Biochem Pharmacol** 1984 May 1;33(9):1459–63

ANTAGONISTS & INHIBITORS

Inhibition by N-acetyl-aspartate of aspartate binding to a proteolipid fraction from rat cerebral cortex. Burgal M, et al. **Neurochem Res** 1984 Feb;9(2):219–24

BLOOD

Plasma glutamate and aspartate concentrations in young infants on Neopham. Bell EF, et al. **Acta Chir Scand [Suppl]** 1983;517:29–37

Increase of Na+ gradient-dependent L-glutamate and L-aspartate transport in high K+ dog erythrocytes associated with high activity of (Na+, K+)-ATPase. Inaba M, et al. **J Biol Chem** 1984 Jan 10;259(1):312–7

Oral glutamate loading in disorders with spinocerebellar and extrapyramidal involvement: effect on plasma glutamate, aspartate and taurine. Plaitakis A, et al. **J Neural Transm [Suppl]** 1983;19:65–74

ISOLATION & PURIFICATION

Determination of D- and L-aspartate in amino acid mixtures by high-performance liquid chromatography after derivatization with a chiral adduct of o-phthaldialdehyde. Aswad DW. **Anal Biochem** 1984 Mar;137(2):405–9

METABOLISM

A radiochemical assay for argininosuccinate synthetase with [U-14C]aspartate. Ratner S. **Anal Biochem** 1983 Dec; 135(2):479–88

Partial purification and reconstitution of the aspartate transport system from Halobacterium halobium. Greene RV, et al. **Arch Biochem Biophys** 1984 Mar;229(2):576–84

Selective retrograde labeling of neurons of the cat vestibular ganglion with [3H]D-aspartate. Dememes D, et al. **Brain Res** 1984 Jun 18;304(1):188–91

Evoked release of aspartate and glutamate: disparities between prelabeling and direct measurement. Ferkany JW, et al. **Brain Res** 1983 Nov 14;278(1–2):279–82

Enrichment of differentiated, stellate astrocytes in cerebellar interneuron cultures as studied by GFAP immunofluorescence and autoradiographic uptake patterns with [3H]D-aspartate and [3H]GABA. Levi G, et al. **Brain Res** 1983 Nov;312(2):227–41

Effect of regional cortical ablations on high-affinity D-aspartate uptake in striatum, olfactory tubercle, and pyriform cortex of the rat. Walker JE, et al. **Brain Res** 1983 Nov 14;278(1–2):283–6

Selective retrograde transport of tritiated D-aspartate from the olfactory bulb to the anterior olfactory nucleus, pyriform cortex and nucleus of the lateral olfactory tract in the rat. Watanabe K, et al. **Brain Res** 1984 Mar 26; 296(1):148–51

Cerebellar astroglial cells in primary culture: expression of different morphological appearances and different ability to take up [3H]D-aspartate and [3H]GABA. Wilkin GP, et al. **Brain Res** 1983 Nov;312(2):265–77

Synthesis and transport of the organic matrix of the spicules in the gorgonian Leptogorgia virgulata (Lamarck) (Coelenterata: Gorgonacea). An autoradiographic investigation. Kingsley RJ, et al. **Cell Tissue Res** 1984; 235(3):533–8

Pharmacokinetics of arginine and aspartic acid administered simultaneously in the rat—III: Changes in the levels of amino acids in the plasma, liver and brain after simultaneous administration of arginine and aspartic acid. Campistron G, et al. **Eur J Drug Metab Pharmacokinet** 1983 Jul–Sep; 8(3):281–6

Synthetic peptide substrates for the erythrocyte protein carboxyl methyltransferase. Detection of a new site of methylation at isomerized L-aspartyl residues. Murray ED Jr, et al. **J Biol Chem** 1984 Sep 10;259(17):10722–32

Electrical stimulation of the stratum radiatum increases the release and neosynthesis of aspartate, glutamate, and gamma-aminobutyric acid in rat hippocampal slices. Corradetti R, et al. **J Neurochem** 1983 Dec;41(6):1518–25

Release of aspartate and glutamate caused by chloride reduction in synaptosomal incubation media. Hardy JA, et al. **J Neurochem** 1984 Mar;42(3):875–7

Effects of kainic acid in rat brain synaptosomes: the involvement of calcium. Pastuszko A, et al. **J Neurochem** 1984 Sep;43(3):747–54

Decreased uptake and release of D-aspartate in the guinea pig spinal cord after dorsal root section. Potashner SJ, et al. **J Neurochem** 1984 Apr;42(4):1135–44

Uptake and release of D-aspartate in the guinea pig cochlear nucleus. Potashner SJ. **J Neurochem** 1983 Oct; 41(4):1094–101

Uptake of exogenous aspartate into circumventricular organs but not other regions of adult mouse brain. Price MT, et al. **J Neurochem** 1984 Mar;42(3):740–4

Synaptic release of excitatory amino acid neurotransmitter mediates anoxic neuronal death. Rothman S. **J Neurosci** 1984 Jul;4(7):1884–91

Changes in medium radioactivity and composition accompany high-affinity uptake of glutamate and aspartate by mouse brain slices. Latzkovits L, et al. **Neurochem Res** 1984 Jan;9(1):11–9

Neurochemical, pharmacological, and developmental studies on cerebellar receptors for dicarboxylic amino acids. Sharif NA, et al. **Neurochem Res** 1984 Jan;9(1):81–101

Retrograde transport of D-[3H]aspartate in thalamocortical neurones. Ottersen OP, et al. **Neurosci Lett** 1983 Nov 21; 42(1):19–24

Differential labelling of afferents to thalamic centromedian-parafascicular nuclei with [3H]choline and D-[3H]aspartate: further evidence for transmitter specific retrograde labelling. Wiklund L, et al. **Neurosci Lett** 1984 May 18;46(3):275–81

Uptake of D-aspartate and L-glutamate in excitatory axon terminals in hippocampus: autoradiographic and biochemical comparison with gamma-aminobutyrate and other amino acids in normal rats and in rats with lesions. Taxt T, et al. **Neuroscience** 1984 Jan;11(1):79–100

Nature of inhibition of renal aspartate reabsorption in experimental Fanconi syndrome. Foulkes EC. **Toxicol Appl Pharmacol** 1983 Dec;71(3):445–50

[Intraglobular electrostatic field of an enzyme. Calculation of the dissociation constant of a protein ionogenic group. Dissociation of Asp-102 chymotrypsin] Krishtalik LI, et al. **Mol Biol (Mosk)** 1984 May-Jun;18(3):712–8 (Eng. Abstr.) **(Rus)**

[Neuroactive amino acid content and the activity of enzymes of the gamma-aminobutyric acid system of the brain under the effect of Arzni mineral baths (experimental study)] Grigorian RA, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 May-Jun; (3):9–11 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Effects of arginine aspartate and its components on growth hormone, insulin and glucagon secretion in the rat. Franchimont P, et al. **Arch Int Pharmacodyn Ther** 1984 Jan;267(1):161–8

Activation of yeast pyruvate carboxylase: interactions between acyl coenzyme A compounds, aspartate, and substrates of the reaction. Myers DE, et al. **Biochemistry** 1983 Oct 25;22(22):5090–6

On the sensitivity of H1 horizontal cells of the carp retina to glutamate, aspartate and their agonists. Ariel M, et al. **Brain Res** 1984 Mar 12;295(1):179–83

Effects of glutamate and aspartate on sympathetic preganglionic neurons in the upper thoracic intermediolateral nucleus of the cat. Backman SB, et al. **Brain Res** 1983 Oct 31;277(2):370–4

Responses of solitary retinal horizontal cells to L-glutamate and kainic acid are antagonized by D-aspartate. Ishida AT. **Brain Res** 1984 Apr 23;298(1):25–32

L-aspartic acid potentiates 'slow' inward current in cultured spinal cord neurons. MacDonald JF, et al. **Brain Res** 1984 Apr 2;296(2):350–5

Cells in the anteroventral cochlear nucleus are insensitive to L-glutamate and L-aspartate; excitatory synaptic responses are not blocked by D-alpha-aminoadipate. Oertel D. **Brain Res** 1984 Jun 8;302(2):213–20

Actions of verapamil on the excitability of cultured neurones. MacDonald JF, et al. **Can J Physiol Pharmacol** 1983 Dec; 61(12):1467–72

Substitution of extracellular sodium ions blocks the voltage-dependent decrease of input conductance evoked by L-aspartate. MacDonald JF. **Can J Physiol Pharmacol** 1984 Jan;62(1):109–15

Effects of glutamic acid, kainic acid and aspartic acid on GABA release from rat retina degenerated by kainic acid. Kamada Y, et al. **Jpn J Ophthalmol** 1984;28(1):57–61

Vasopressin release by D-aspartic acid, morphine and prolyl-leucyl-glycinamide (PLG) in DI Brattleboro rats. Koyuncuoğlu H, et al. **Pharmacol Biochem Behav** 1984 Apr; 20(4):519–25

Antagonistic effect of L-aspartic acid on decrease in body weight, and food and fluid intake, and naloxone reversible rectal temperature depression caused by D-aspartic acid. Koyuncuoglu H, et al. **Pol J Pharmacol Pharm** 1982 Nov-Dec;34(5–6):333–7

Aspartate-induced dissociation of proximal from distal retinal activity in the mudpuppy. Shimazaki H, et al. **Vision Res** 1984;24(6):587–95

[Effect of Cytran, a magnesium-containing feed supplement on the properties of meat from of stress-resistant and stress-susceptible swine] Schmitten F, et al. **DTW** 1984 Apr 9;91(4):149–51 (Eng. Abstr.) **(Ger)**

[Effect of aspartate compounds on the biochemical characteristics of myocardial energy metabolism in man] von Bormann B, et al. **Herz** 1983 Dec;8(6):360–70 (Eng. Abstr.) **(Ger)**

[Studies on magnesium. 3. Effect of magnesium aspartate hydrochloride on stress reactions in magnesium-deficient animals] Kaemmerer K, et al. **Zentralbl Veterinarmed [A]** 1984 Jun;31(5):334–9 (Eng. Abstr.) **(Ger)**

[Studies on magnesium. 2. Effect of magnesium chloride and magnesium aspartate hydrochloride on stress reactions] Kaemmerer K, et al. **Zentralbl Veterinarmed [A]** 1984 Jun; 31(5):321–33 (Eng. Abstr.) **(Ger)**

[Effect of glutamic and aspartic amino acids on the electrical activity of the ampullae of Lorenzini in skates] Akoev GN, et al. **Fiziol Zh SSSR** 1984 Mar;70(3):322–5 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Aspartic acid-121 functions at the active site of bovine pancreatic ribonuclease. Stern MS, et al. **FEBS Lett** 1984 Jun 11;171(2):253–6

SECRETION

Inhibition of amino acid transmitter release from rat brain slices by phenytoin and related anticonvulsants. Skerritt JH, et al. **Clin Exp Pharmacol Physiol** 1983 Sep-Oct; 10(5):527–33

STANDARDS

[Effects of Kirsch's solution on myocardial protection] Izumi S. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Nov; 31(11):2049–56 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

The treatment with L-aspartic acid of persons addicted to opiates. Koyuncuoğlu H. **Bull Narc** 1983 Jan–Mar; 35(1):11–5

[Effect of potassium and magnesium aspartate on experimental myocardial ischemia and infarction] Jiang XR, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Mar;5(1):36–9 (Eng. Abstr.) **(Chi)**

TOXICITY

Neonatal aspartate treatment: effects on arcuate nucleus morphology, organ weights, and reproductive function. Pasley JN, et al. **Bull Environ Contam Toxicol** 1984 Apr; 32(4):410–6

Excitotoxic amino acids as neuroendocrine research tools. Olney JW, et al. **Methods Enzymol** 1983;103:379–93
Correlation of aspartate dose, plasma dicarboxylic amino acid concentration, and neuronal necrosis in infant mice. Finkelstein MW, et al. **Toxicology** 1983 Dec;29(1–2):109–19

ASPARTOKINASE HOMOSERINE DEHYDROGENASE see under **MULTIENZYME COMPLEXES**

ASPARTYL T RNA SYNTHETASE see under **AMINO ACYL T RNA SYNTHETASES**

ASPARTYLGLUCOSYLAMINASE see under **AMIDOHYDROLASES**

ASPERGILLOSIS

Aspergillosis of the paranasal sinuses. von Haacke N. **J Laryngol Otol** 1984 Feb;98(2):193–7
Pulmonary mycetomas. Defore WW Jr. **J Miss State Med Assoc** 1984 Jun;25(6):139–41
Primary mycotic infection of paranasal sinuses. Surya Prakash Rao G, et al. **Mycopathologia** 1984 Feb 15; 84(2–3):73–6
Invasive aspergillosis. Rinaldi MG. **Rev Infect Dis** 1983 Nov–Dec;5(6):1061–77 (92 ref.)
Disseminated pulmonary aspergillosis in a previously healthy young woman. Hillerdal G, et al. **Scand J Infect Dis** 1984; 16(2):217–22
[3 cases of naso–sinal aspergillosis] Debrie JC, et al. **Dakar Med** 1983;28(1):187–93 (Eng. Abstr.) **(Fre)**
[Invasive pulmonary aspergillosis] Nolla Salas M, et al. **Med Clin (Barc)** 1984 Mar 17;82(10):457–61 **(Spa)**
[Aspergillus endocarditis in a patient with acute lymphoblastic leukemia in remission] Ribera JM, et al. **Med Clin (Barc)** 1983 Oct 8;81(10):436–9 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Invasive aspergillosis following post–influenzal pneumonia. Horn CR, et al. **Br J Dis Chest** 1983 Oct;77(4):407–10
Localized renal aspergillosis with hairy cell leukemia: a review of urinary tract aspergillosis in malignant and nonmalignant conditions. Hartman BJ, et al. **Cancer Invest** 1984;2(3):199–202
Immune complex crescentic glomerulonephritis associated with pulmonary aspergillosis. Slater DN, et al. **Histopathology** 1983 Nov;7(6):957–66
Localized oxalosis associated with simultaneous Aspergillus and Mucor infection in diabetic foot gangrene. Reyes CV, et al. **Hum Pathol** 1984 Jan;15(1):89–91
Acquired immune deficiency syndrome: is disseminated aspergillosis predictive of underlying cellular immune deficiency? Schaffner A. **J Infect Dis** 1984 May; 149(5):828–9
Splenic rupture due to aspergillosis. Vernant JP, et al. **Nouv Rev Fr Hematol** 1983;25(6):385–6
Concomitant pulmonary aspergillosis and nocardiosis in a patient with chronic granulomatous disease of childhood. Casale TB, et al. **South Med J** 1984 Feb;77(2):274–5
Spinal cord compression due to an aspergilloma. Polatty RC, et al. **South Med J** 1984 May;77(5):645–8
The source of bleeding in pulmonary aspergillomas. Awe RJ, et al. **Tex Med** 1984 Apr;80(4):58–61
[Neonatal ulcero–necrotizing enterocolitis and aspergillosis] Bruyere A, et al. **Pediatrie** 1983 Apr–May;38(3):185–9 (Eng. Abstr.) **(Fre)**
[Lung tumor and recurrent hemoptysis following tuberculosis] Baur X, et al. **Internist (Berlin)** 1984 Apr; 25(4):256–60 **(Ger)**

DIAGNOSIS

Role of fiberoptic bronchoscopy in the diagnosis of invasive pulmonary aspergillosis in patients with acute leukemia. Albelda SM, et al. **Am J Med** 1984 Jun;76(6):1027–34
Antigen detection in the diagnosis of invasive aspergillosis. Utility in controlled, blinded trials. Weiner MH, et al. **Ann Intern Med** 1983 Dec;99(6):777–82
Aspergillosis of the paranasal sinuses x–ray diagnosis, histopathology, and clinical aspects. Stammberger H, et al. **Ann Otol Rhinol Laryngol** 1984 May–Jun;93(3 Pt 1):251–6
Disseminated aspergillosis presenting with endophthalmitis. A case report and a review of the literature. Demicco DD, et al. **Cancer** 1984 May 1;53(9):1995–2001
Failure of two–dimensional echocardiography to detect aspergillus endocarditis. Peterson SP, et al. **Chest** 1984 Feb; 85(2):291–4
Aspergillosis of the maxillary sinus [letter] Doyle DE. **Ear Nose Throat J** 1984 Jan;63(1):61–2, 64
Aspergillosis presenting as a corticosteroid–responsive optic neuropathy. Spoor TC, et al. **J Clin Neuro Ophthalmol** 1982 Jun;2(2):103–7
Aspergillosis of the nervous system. Report of two cases. Diengdoh JV, et al. **Neuropathol Appl Neurobiol** 1983 Nov–Dec;9(6):477–84
Aspergillosis of the sphenoid sinus presenting as orbital pseudotumor. Nielsen EW, et al. **Otolaryngol Head Neck Surg** 1983 Dec;91(6):699–703
Current trends in immunodiagnosis of candidiasis and aspergillosis. de Repentigny L, et al. **Rev Infect Dis** 1984 May–Jun;6(3):301–12 (118 ref.)
Antemortem diagnosis of systemic aspergillosis: ten–year review and report of a case. Zarabi MC, et al. **South Med J** 1984 May;77(5):584–8
[3 cases of naso–sinal aspergillosis] Debrie JC, et al. **Dakar Med** 1983;28(1):187–93 (Eng. Abstr.) **(Fre)**
[Aspergilloma, actinomycosis, nocardiosis, coccidioidomycosis and pulmonary bilharziasis: apropos of 19 cases] Cavin R, et al. **Helv Chir Acta** 1984 Jun; 51(2):251–6 (Eng. Abstr.) **(Fre)**
[Disseminated aspergillosis in chronic respiratory insufficiency. Diagnostic and therapeutic aspects (letter)] Nolla Salas M, et al. **Presse Med** 1983 Oct 22;12(37):2331 **(Fre)**
[A case of lymph node aspergillosis] Piaserico PL. **Minerva Med** 1984 Mar 31;75(13):757–60 (Eng. Abstr.) **(Ita)**
[Pleural aspergillosis] Iampol'skaia VD. **Probl Tuberk** 1983 Aug;(8):48–50 (Eng. Abstr.) **(Rus)**
[Disseminated aspergillosis in chronic respiratory insufficiency. Diagnosis and treatment] Nolla Salas M, et al. **Med Clin (Barc)** 1984 Mar 17;82(10):451–3 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Experimental murine aspergillosis. Comparison of amphotericin B and a new polyene antifungal drug, SCH 28191. Graybill JR, et al. **Am Rev Respir Dis** 1984 Feb; 129(2):292–5
Successful treatment of exogenous aspergillus endophthalmitis: a case report. Ho PC, et al. **Br J Ophthalmol** 1984 Jun;68(6):412–5
Intracavitary aminocaproic acid for massive pulmonary hemorrhage [letter] Fernandez NA. **Chest** 1984 Jun; 85(6):839
Treatment of experimental murine aspergillosis with BAY n7133. Graybill JR, et al. **J Infect Dis** 1983 Nov; 148(5):898–906
Invasive pulmonary aspergillosis in a non–immunosuppressed patient: successful management with systemic amphotericin and flucytosine and inhaled amphotericin. Rodenhuis S, et al. **Thorax** 1984 Jan;39(1):78–9
[Drug combinations in the treatment of invasive aspergillosis] Esposito R, et al. **G Ital Chemioter** 1984 Jan–Aug; 31(1–2):169–72 (Eng. Abstr.) **(Ita)**
[Late results of the local treatment of single pulmonary aspergilloma with antifungal pastes] Halweg H, et al. **Pneumonol Pol** 1983 Aug–Sep;51(8–9):461–8 (Eng. Abstr.) **(Pol)**
[Effect of drugs currently used in treatment on indices of the body's immune reactivity in experimental candidiasis and aspergillosis] Leshchenko VM, et al. **Vestn Dermatol Venerol** 1983 Aug;(8):19–23 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Prolonged granulocytopenia: the major risk factor for invasive pulmonary aspergillosis in patients with acute leukemia. Gerson SL, et al. **Ann Intern Med** 1984 Mar; 100(3):345–51
Exogenous Aspergillus endophthalmitis. Hanish SJ, et al. **Ann Ophthalmol** 1984 May;16(5):417–9
Aspergillus endophthalmitis in an intravenous drug user. Wilmarth SS, et al. **Ann Ophthalmol** 1983 May;15(5):470–2, 74–6
Disseminated aspergillosis complicating hepatic failure [letter] Sesma P, et al. **Arch Intern Med** 1984 Apr; 144(4):861–2
Pulmonary aspergilloma following total nodal irradiation for Hodgkin's disease. Jones DH, et al. **Br J Radiol** 1984 May; 57(677):430–2
Fulminating Aspergillus pneumonia complicating radiation fibrosis. Pitcher DW, et al. **Bristol Med Chir J** 1984 Jul; 99(371):84–7
Fatal pulmonary aspergillosis following a farm accident [letter] **Chest** 1984 Mar;85(3):448–9
Correlation of elastase production by some strains of Aspergillus fumigatus with ability to cause pulmonary invasive aspergillosis in mice. Kothary MH, et al. **Infect Immun** 1984 Jan;43(1):320–5
Invasive pulmonary aspergillosis after near–drowning. Vieira DF, et al. **Intensive Care Med** 1984;10(4):203–4
Solitary aspergillosis of maxillary sinus, a complication of dental treatment [letter] Beck–Mannagetta J, et al. **Lancet** 1983 Nov 26;2(8361):1260
Aspergillus infection of a permanent ventricular pacing lead. Moorman JR, et al. **PACE** 1984 May;7(3 Pt 1):361–6
Aspergillus niger endocarditis complicating aortic tissue valve replacement. Moore RS, et al. **Thorax** 1984 Jan; 39(1):76–7
[Mycotic ulcerative aortitis after replacement of the aortic valve caused by the fungus Aspergillus restrictus] Pospíšil K, et al. **Vnitr Lek** 1984 Mar;30(3):292–7 (Eng. Abstr.) **(Cze)**
[Aspergillus infection of severe burns] De Maubeuge J, et al. **Dermatologica** 1983;167(2):78–85 (Eng. Abstr.) **(Fre)**
[Invasive aspergillar pneumopathy in chronic respiratory insufficiency (letter)] Riou B, et al. **Presse Med** 1984 Mar 31;13(14):883–4 **(Fre)**
[Pulmonary aspergillosis associated with endocarditis and cerebral embolism in a case of acute myeloblastic leukemia] Miyazono K, et al. **Rinsho Ketsueki** 1984 May;25(5):705–11 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

Antigenic variability of different strains of Aspergillus fumigatus. Wallenbeck I, et al. **Int Arch Allergy Appl Immunol** 1984;73(2):166–72
Antigen and antibody attachment in ELISA for Aspergillus fumigatus IgG antibodies. Richardson MD, et al. **J Immunol Methods** 1984 Jan 20;66(1):119–32
Studies on experimental aspergillosis in immunodeficient mice. Monga DP. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Jul; 254(4):552–60
[Detection of anti–aspergillus IgG type antibody in the sera by solid phase immunoradiometric assay—comparison with gel precipitation test in cases of pulmonary aspergilloma] Danbara T. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Aug;21(8):745–52 (Eng. Abstr.) **(Jpn)**

MICROBIOLOGY

Pulmonary oxalosis caused by Aspergillus niger. Metzger JB, et al. **Am Rev Respir Dis** 1984 Mar;129(3):501–2
Invasive aspergillosis in a 'healthy' patient. Ascah KJ, et al. **Can Med Assoc J** 1984 Aug 15;131(4):332–5
An atypical Aspergillus flavus from a case of bronchopulmonary aspergilloma. A contribution to the cultural and serological diagnosis of A. flavus infections. Staib F, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Sep;255(2–3):361–7
[Hospital aspergillosis] Vlodavets VV. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Jun;(6):9–13 (42 ref.) **(Rus)**

OCCURRENCE

Aspergillosis in 25 renal transplant patients. Epidemiology, clinical presentation, diagnosis, and management. Weiland D, et al. **Ann Surg** 1983 Nov;198(5):622–9
[Epidemiology of aspergillosis] Glukhen'kiĭ BT, et al. **Vrach Delo** 1983 Oct;(10):100–2 (4 ref.) (Eng. Abstr.) **(Rus)**

PATHOLOGY

Disseminated infection by Aspergillus terreus. Tracy SL, et al. **Am J Clin Pathol** 1983 Nov;80(5):728–33
Pathogenesis of experimentally produced corneal ulcers in rabbits. Mohan M, et al. **Ann Ophthalmol** 1984 Mar; 16(3):246–8, 250–2
Aspergillosis of the orbit. Sarma D, et al. **J La State Med Soc** 1984 Jun;136(6):19–20
[Aspergillus infection of the heart—with a presentation of 6 cases] Yang XS. **Chung Hua Nei Ko Tsa Chih** 1983 May; 22(5):279–81 (Eng. Abstr.) **(Chi)**
[Aspergillosis of the nasal sinuses] Münzel MA. **Laryngol Rhinol Otol (Stuttg)** 1983 Dec;62(12):570–3 (Eng. Abstr.) **(Ger)**
[Generalized aspergillosis in a patient with acute lymphatic leukemia] Sironi M, et al. **Pathologica** 1983 Mar–Apr; 75(1036):225–33 (Eng. Abstr.) **(Ita)**
[Pulmonary aspergillosis: morphological study of 15 autopsy cases] Oddo D, et al. **Rev Med Chil** 1984 Mar;112(3):247–51 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Prophylaxis of fungal infections in neutropenic cancer patients. Meunier–Carpentier F. **Schweiz Med Wochenschr [Suppl]** 1983;14:15–9

RADIOGRAPHY

Opportunistic pulmonary aspergillosis with chest wall invasion. Plain film and computed tomographic findings. Caligiuri P, et al. **Arch Intern Med** 1983 Dec;143(12):2323–4
Invasive aspergillosis demonstrating the air crescent sign: occurrence in a previously healthy alcoholic. Epling SB, et al. **Australas Radiol** 1984 Feb;28(1):16–8
Computed tomography of neuraxis aspergillosis. Nov AA, et al. **J Comput Assist Tomogr** 1984 Jun;8(3):413–5
Paranasal sinus aspergillosis. A case report with computed tomogram findings. Glass RB, et al. **J Laryngol Otol** 1984 Feb;98(2):199–205
[Aspergillus mycosis of the paranasal sinuses. Roentgen diagnosis, clinical course and histopathology] Stammberger H, et al. **MMW** 1983 Sep 23;125(38):815–8 (Eng. Abstr.) **(Ger)**
[Aspergilloma of the lung] Ketterl R, et al. **Prax Klin Pneumol** 1984 Mar;38(3):88–92 (Eng. Abstr.) **(Ger)**
[A case report of pulmonary aspergilloma] Kusumoto S, et al. **Rinsho Hoshasen** 1983 Dec;28(13):1583–6 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

Indium 111 WBC scan in local and systemic fungal infections. Haseman MK, et al. **Arch Intern Med** 1984 Jul; 144(7):1462–3

SURGERY

Intracerebral aspergillus abscess: case report. Klein HJ, et al. **Neurosurgery** 1983 Sep;13(3):306–9

Localized invasive pulmonary aspergillosis treated by surgical excision. Lang RS, et al. **South Med J** 1983 Oct; 76(10):1305–6

Cavernoscopic evacuation of aspergilloma: an alternative method of palliation for haemoptysis in high risk patients. Rao RS, et al. **Thorax** 1984 May;39(5):394–6

[Photocoagulation of mycotic fundus changes in rabbits] Iwaszkiewicz-Bilikiewiczowa B, et al. **Klin Oczna** 1983 Aug-Sep;85(8-9):311-2 (Eng. Abstr.) **(Pol)**

[Surgical treatment of bronchogenic cysts infected with molds] Zhuchkin AA. **Probl Tuberk** 1984 May;(5):69–70 **(Rus)**

THERAPY

Development of Aspergillus sinusitis in a patient receiving amphotericin B. Treatment with granulocyte transfusions. Swerdlow B, et al. **Am J Med** 1984 Jan;76(1):162–6

Aspergillomas [editorial] **Lancet** 1983 Nov 5;2(8358):1066–7

[Combined treatment of corneal aspergillosis using the argon laser and clotrimazole] Janukowiczowa H, et al. **Klin Oczna** 1983 Mar;85(3):113–4 (Eng. Abstr.) **(Pol)**

VETERINARY

Aspergillosis in turkeys associated with use of contaminated litter. Dyar PM, et al. **Avian Dis** 1984 Jan–Mar;28(1):250–5

Rapid hematogenous dissemination of Aspergillus fumigatus and A. flavus spores in turkey poults following aerosol exposure. Richard JL, et al. **Avian Dis** 1983 Oct–Dec; 27(4):1025–33

Nasal aspergillosis and penicilliosis in dogs: results of treatment with thiabendazole. Harvey CE. **J Am Vet Med Assoc** 1984 Jan 1;184(1):48–50

Aspergillosis in a red-crowned crane. Stroud RK, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1297–8

Severe disseminated Aspergillosis in a captive Abyssinian tawny eagle (Aquila rapax raptor). Fatunmbi OO, et al. **J Wildl Dis** 1984 Jan;20(1):52–4

Evaluation of an enzyme-linked immunosorbent assay (ELISA) for the diagnosis of Aspergillus fumigatus intranasal infection of the dog. Khan ZU, et al. **Sabouraudia** 1984;22(3):251–4

Abnormal heterophils in a king shag with aspergillosis. Hawkey CM, et al. **Vet Rec** 1984 Mar 31;114(13):322–4

Antigen selection for optimal serological diagnosis of Aspergillus fumigatus infection of the nasal chambers of the dog. Richardson MD, et al. **Vet Rec** 1984 Apr 7; 114(14):354–5

[Mass occurrence of mycotic tracheitis in chickens] Veselský M, et al. **Vet Med (Praha)** 1984 May;29(5):301–6 (Eng. Abstr.) **(Cze)**

ASPERGILLOSIS, ALLERGIC BRONCHOPULMONARY

Aspergillus in bronchial asthma. Shivananda PG, et al. **Indian J Med Sci** 1983 Sep;37(9):154–5

COMPLICATIONS

Lipid pneumonia with atypical mycobacterial colonization. Association with allergic bronchopulmonary aspergillosis. Greenberger PA, et al. **Arch Intern Med** 1983 Oct; 143(10):2003–5

Spontaneous pneumothorax in allergic bronchopulmonary aspergillosis. Ricketti AJ, et al. **Arch Intern Med** 1984 Jan; 144(1):151–2

Allergic bronchopulmonary aspergillosis in cystic fibrosis. Laufer P, et al. **J Allergy Clin Immunol** 1984 Jan;73(1 Pt 1):44–8

[A case of pulmonary sequestration associated with Aspergillus pathology] Grignet JP, et al. **LARC Med** 1983 Dec;3(10):689–90, 693–5 **(Fre)**

[Aspergillus mycetoma as a cause of acute hemoptysis] Kaiser D, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:1059–61 (Eng. Abstr.) **(Ger)**

[Pulmonary aspergillosis, anatomo-pathological aspects of a patient with acute lymphoid leukemia] Ferreira AF, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1983 Dec;38(6):267–8 (Eng. Abstr.) **(Por)**

DIAGNOSIS

Allergic bronchopulmonary aspergillosis: a case report and comment on reliability of testing sources. Copley JB, et al. **Ann Allergy** 1984 Jul;53(1):50–4

Allergic bronchopulmonary aspergillosis. Berman BA, et al. **Cutis** 1983 Aug;32(2):118, 120, 131

Evaluation of a rapid enzyme-linked immunosorbent assay for IgG antibodies to Aspergillus fumigatus in the serological diagnosis of allergic aspergillosis. Khan ZU, et al. **Int Arch Allergy Appl Immunol** 1984;73(3):205–11

Varying presentations of allergic bronchopulmonary aspergillosis. Ricketti AJ, et al. **Int Arch Allergy Appl Immunol** 1984;73(3):283–5

Serological tests in the diagnosis of pulmonary aspergillosis. Smith JM, et al. **Pathology** 1984 Apr;16(2):184–8

[Pilot study on the incidence of Aspergillus fumigatus in in mucoviscidosis patients] Weber A, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:1062–4 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Allergic bronchopulmonary aspergillosis and aspergilloma. Long-term follow-up without enlargement of a large multiloculated cavity. Rosenberg IL, et al. **Chest** 1984 Jan; 85(1):123–5

[Allergic bronchopulmonary aspergillosis. Considerations on 5-fluorocytosine therapy] Tomassetti D, et al. **G Ital Chemioter** 1983 Jan–Apr;30(1):75–6 **(Ita)**

ETIOLOGY

Disseminated histoplasmosis, invasive pulmonary aspergillosis, and other opportunistic infections in a homosexual patient with acquired immune deficiency syndrome. Jones PG, et al. **Sex Transm Dis** 1983 Oct–Dec; 10(4):202–4

[Microbiological and clinical analysis disease cases caused by occupational contact with beech scraps in a cellulose plant] Dutkiewicz J, et al. **Pneumonol Pol** 1984 Feb; 52(2):57–69 (Eng. Abstr.) **(Pol)**

IMMUNOLOGY

Experience with allergic bronchopulmonary aspergillosis: some unusual features. Breslin AB, et al. **Clin Allergy** 1984 Jan;14(1):21–8

Allergic bronchopulmonary aspergillosis: reactivity of IgE and IgG antibodies with antigenic components of Aspergillus fumigatus (IgE/IgG antigen complexes). Longbottom JL. **J Allergy Clin Immunol** 1983 Dec; 72(6):668–75

Serum IgE as an important aid in management of allergic bronchopulmonary aspergillosis. Ricketti AJ, et al. **J Allergy Clin Immunol** 1984 Jul;74(1):68–71

Hyperreactivity of mediator-releasing cells from patients with allergic bronchopulmonary aspergillosis as evidenced by basophil histamine release. Ricketti AJ, et al. **J Allergy Clin Immunol** 1983 Oct;72(4):386–92

Clinical-immunologic correlates: a differential diagnostic update. Allergic bronchopulmonary aspergillosis. Chryssanthopoulos C, et al. **J Asthma** 1984;21(1):41–51

MICROBIOLOGY

Environmental aerobiological studies in allergic bronchopulmonary aspergillosis. Beaumont F, et al. **Allergy** 1984 Apr;39(3):183–93

PHYSIOPATHOLOGY

Acute deterioration of pulmonary function in cystic fibrosis illustrating the association of atopy and allergic bronchopulmonary aspergillosis with the underlying disease. Birx DL, et al. **Ann Allergy** 1984 Aug;53(2):124–30

RADIOGRAPHY

Allergic broncho-pulmonary aspergillosis: the radiological appearance during long-term follow-up. Phelan MS, et al. **Clin Radiol** 1984 Sep;35(5):385–92

ASPERGILLUS

Mycotoxins in cereal grain. Part X. Invasion of fungi mycelium into wheat and barley kernels. Chełkowski J, et al. **Nahrung** 1983;27(6):533–6, 609–11

ANALYSIS

Isolation, chemical structure, acute toxicity, and some physicochemical properties of territrem C from Aspergillus terreus. Ling KH, et al. **Appl Environ Microbiol** 1984 Jan; 47(1):98–100

Mycoversilin, a new antifungal antibiotic from a mutant derivative of Aspergillus versicolor. Samanta AK, et al. **Indian J Exp Biol** 1983 Oct;21(10):577–8

Terrecyclic acid A, a new antibiotic from Aspergillus terreus. III. 13C NMR spectrum of terrecyclic acid A. Hirota A, et al. **J Antibiot (Tokyo)** 1984 May;37(5):475–8

DRUG EFFECTS

'In vitro' evaluation of Aspergillus susceptibility to antifungal agents. Viviani MA, et al. **Ann Sclavo** 1982 Nov–Dec; 24(6):642–50

In vitro activities of amphotericin B in combination with four antifungal agents and rifampin against Aspergillus spp. Hughes CE, et al. **Antimicrob Agents Chemother** 1984 May; 25(5):560–2

Minimal inhibitory concentrations of lucknomycin, a new polyenic derivative, for Candida and Aspergillus spp. Martínez-Quesada J, et al. **Antimicrob Agents Chemother** 1983 Jul;24(1):132–3

Effect of pyridazinone herbicides on growth and aflatoxin release by Aspergillus flavus and Aspergillus parasiticus. Bean GA, et al. **Appl Environ Microbiol** 1983 Aug; 46(2):503–5

Effect of specific amino acids on growth and aflatoxin production by Aspergillus parasiticus and Aspergillus flavus in defined media. Payne GA, et al. **Appl Environ Microbiol** 1983 Oct;46(4):805–12

Effects of N-methyl N'-nitro-N-nitroso-guanidine on the spores of Aspergillus ochraceus NRRL 405. Kolhekar S, et al. **Hindustan Antibiot Bull** 1984 Feb-May;26(1-2):41-2

Effect of sodium nitrite on aflatoxin production in pork sausage at different temperatures and the effect of nitrite on growth of Aspergillus parasiticus in culture. Obioha WI, et al. **J Agric Food Chem** 1983 Sep-Oct;31(5):1039–42

Relative inhibition factors—a novel approach to the assessment of antifungal antibiotics in vitro. Odds FC, et al. **J Antimicrob Chemother** 1984 Jan;13(1):31–43

Susceptibility testing of filamentous fungi to amphotericin B by a rapid radiometric method. Merz WG, et al. **J Clin Microbiol** 1984 Jan;19(1):54–6

Antifungal action of rifampin. Medoff G. **Rev Infect Dis** 1983 Jul-Aug;5 Suppl 3:S614–9

Heparin formation and mechanism of its action as growth promoter. Khafagy EZ, et al. **Zentralbl Mikrobiol** 1984; 139(1):69–76

[In vitro comparative study of the sensitivity of Aspergillus to antifungal agents] Guinet R, et al. **Pathol Biol (Paris)** 1984 Jun;32(5 Pt 2):654–7 (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

Cellulolytic activity of moulds. II. Various methods of precipitating and concentrating enzymes and their influence on the activity of cellulolytic preparation and xylanase of Aspergillus terreus F-413. Rogalski J, et al. **Acta Microbiol Pol** 1983;32(4):363–72

Purification and characterization of glucose-6-phosphate dehydrogenase from Aspergillus parasiticus. Niehaus WG Jr, et al. **Arch Biochem Biophys** 1984 Jan;228(1):113–9

Induction of benzo(a)pyrene hydroxylase in Aspergillus ochraceus TS: evidences of multiple forms of cytochrome P-450. Dutta D, et al. **Biochem Biophys Res Commun** 1983 Sep 15;115(2):692–9

Glycosidases induced in Aspergillus tamarii. Mycelial alpha-D-galactosidases. Civas A, et al. **Biochem J** 1984 May 1;219(3):849–55

Glycosidases induced in Aspergillus tamarii. Secreted alpha-D-galactosidase and beta-D-mannanase. Civas A, et al. **Biochem J** 1984 May 1;219(3):857–63

Multiple forms of protyrosinase from Aspergillus oryzae and their mode of activation at pH 3.0. Ichishima E, et al. **Biochim Biophys Acta** 1984 Apr 27;786(1-2):25–31

Affinity chromatographic purification of glutamate dehydrogenase of Aspergillus ochraceus. Agrawal AK, et al. **Indian J Exp Biol** 1983 Oct;21(10):553–6

Effect of drugs on the activity of fungal limit dextrinase & alpha-amylase. Bandyopadhyay AK, et al. **Indian J Med Res** 1983 Aug;78:284–6

Production of amylase by Aspergillus foetidus on rice flour medium and characterization of the enzyme. Michelena VV, et al. **J Appl Bacteriol** 1984 Jun;56(3):395–407

Energy of binding of Aspergillus oryzae beta-glucosidase with the substrate, and the mechanism of its enzymic action. Mega T, et al. **J Biochem (Tokyo)** 1983 Nov;94(5):1637–47

Characterization of two forms of base non-specific and adenylic acid preferential ribonuclease from Aspergillus saitoi. Ohgi K, et al. **J Biochem (Tokyo)** 1983 Sep; 94(3):767–75

Modification of a major ribonuclease from Aspergillus saitoi with 1-cyclohexyl-3-(2-morpholinyl-(4)-ethyl)carbodiimide. Watanabe H, et al. **J Biochem (Tokyo)** 1983 Jul;94(1):63–70

Glycerol oxidase, a novel copper hemoprotein from Aspergillus japonicus. Molecular and catalytic properties of the enzyme and its application to the analysis of serum triglycerides. Uwajima T, et al. **J Biol Chem** 1984 Mar 10;259(5):2748–53

Cellulolytic enzymes associated with the fruit rots of Citrus sinensis caused by Aspergillus aculeatus and Botryodiplodia theobromae. Adisa VA, et al. **Z Allg Mikrobiol** 1983; 23(5):283–8

[Regulation of alpha-amylase biosynthesis in an Aspergillus oryzae 3000 strain based on the principle of feedback from the level of the active enzyme] Angelova M, et al. **Acta Microbiol Bulg** 1983;13:91–7 (Eng. Abstr.) **(Bul)**

[Aspergillus-alpha-mannosidase] Ichishima E. **Tanpakushitsu Kakusan Koso** 1983 Dec;28(13):1432–5 **(Jpn)**

[Isolation of a specific inhibitor of microbial serine proteinase from kidney bean seeds] Mosolov VV, et al. **Biokhimiia** 1983 Oct;48(10):1680–6 (Eng. Abstr.) **(Rus)**

[Effect of modifications of a series of amino acid radicals on the enzymatic activity of glucoamylase from Aspergillus awamori] Savel'ev AN, et al. **Biokhimiia** 1983 Aug; 48(8):1311–8 (Eng. Abstr.) **(Rus)**

[Localization of secreted ribonuclease in the cell walls of Aspergillus clavatus] Bezborodov AM, et al. **Mikrobiologiia** 1984 May-Jun;53(3):524–6 (Eng. Abstr.) **(Rus)**

[Isolation and study of the biological properties of a protease biosynthesis stimulating factor in an associative fungal culture] Buiak LI, et al. **Mikrobiologiia** 1983 Sep-Oct; 52(5):750–4 (Eng. Abstr.) **(Rus)**

[Selection of cultures of microscopic fungi synthesizing phosphomonoesterase inhibitors] Gorbacheva IM, et al. **Mikrobiologiia** 1983 Sep-Oct;52(5):755–60 (Eng. Abstr.) **(Rus)**

[Localization of ribonucleases in the mycelium of the fungus Aspergillus clavatus] Ivanova GS, et al. **Mikrobiologiia** 1983 Jul-Aug;52(4):573–8 (Eng. Abstr.) **(Rus)**

[Effect of the physiological conditions on alpha-amylase and glucoamylase formation by a selected strain of Aspergillus oryzae] Kassim EA. **Mikrobiologiia** 1983 May-Jun; 52(3):422–7 (Eng. Abstr.) **(Rus)**

[Plasma-coagulating and fibrinolytic activities of fungi in the genus Aspergillus] Klechkovskaia VV, et al. **Mikrobiologiia** 1983 May-Jun;52(3):396-403 (Eng. Abstr.) **(Rus)**

[Synthesis and secretion of the components of the cellulase complex in Aspergillus terreus] Svistova ID, et al. **Mikrobiologiia** 1983 May-Jun;52(3):414-21 (Eng. Abstr.) **(Rus)**

GENETICS

Interspecific somatic hybridisation in Aspergillus. Croft JH, et al. **Experientia [Suppl]** 1983;46:178-86

Aspects of genetic interaction in hybrids of Aspergillus nidulans and Aspergillus rugulosus obtained by protoplast fusion. Bradshaw RE, et al. **J Gen Microbiol** 1983 Nov; 129 (Pt 11):3525-33

GROWTH & DEVELOPMENT

Growth and enzyme production by Aspergillus terreus in holocellulose. Paroda S, et al. **Ann Microbiol (Paris)** 1984 Mar-Apr;135(2):297-302

IMMUNOLOGY

Killing of Aspergillus spores depends on the anatomical source of the macrophage. Schaffner A, et al. **Infect Immun** 1983 Dec;42(3):1109-15

Defective phagocyte Aspergillus killing associated with recurrent pulmonary Aspergillus infections. Fietta A, et al. **Infection** 1984 Jan-Feb;12(1):10-3

The allergenic and antigenic properties of spore extracts of Aspergillus fumigatus: a comparative study of spore extracts with mycelium and culture filtrate extracts. Kauffman HF, et al. **J Allergy Clin Immunol** 1984 May; 73(5 Pt 1):567-73

Aflatoxin B-1 in mould extracts used for desensitization [letter] Legator MS, et al. **Lancet** 1983 Oct 15;2(8355):915

ISOLATION & PURIFICATION

Fungal isolates in otomycosis. Chin CS, et al. **Malays J Pathol** 1982 Aug;5:45-7

Ochratoxin A producing aspergilles in foodstuffs in the CSSR. Jesenská Z, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Jan; 177(1-2):108-12

[Comparison of 2 rapid methods for revealing the presence of toxicogenic fungi] Mujica MT, et al. **Rev Latinoam Microbiol** 1983 Jul-Sep;25(3):193-6 (Eng. Abstr.) **(Spa)**

METABOLISM

New perspectives on aflatoxin biosynthesis. Bennett JW, et al. **Adv Appl Microbiol** 1983;29:53-92

Caffeine inhibition of aflatoxin synthesis: probable site of action. Buchanan RL, et al. **Appl Environ Microbiol** 1984 Jun;47(6):1216-20

Caffeine inhibition of aflatoxin production: mode of action. Buchanan RL, et al. **Appl Environ Microbiol** 1983 Nov; 46(5):1193-200

Production of cyclopiazonic acid by Aspergillus tamarii Kita. Dorner JW. **Appl Environ Microbiol** 1983 Dec;46(6):1435-7

Regulation of the oxidative phase of the pentose phosphate cycle in Aspergillus oryzae (Ahlburg). I. Induction of glucose-6-phosphate dehydrogenase. Muiño Blanco T, et al. **Arch Microbiol** 1983 Oct;136(1):39-41

The conversion of sterigmatocystin to O-methylsterigmatocystin and aflatoxin B1 by a cell-free preparation. Jeenah MS, et al. **Biochem Biophys Res Commun** 1983 Nov 15;116(3):1114-8

Production of fumigaclavine A by Aspergillus tamarii Kita. Janardhanan KK, et al. **Can J Microbiol** 1984 Feb; 30(2):247-50

Studies on metabolites produced by Aspergillus terreus var. aureus. I. Chemical structures and antimicrobial activities of metabolites isolated from culture broth. Inamori Y, et al. **Chem Pharm Bull (Tokyo)** 1983 Dec;31(12):4543-8

A new trihydroxy compound obtained by the transformation of progesterone using Aspergillus ochraceus NRRL 405 spores. Kolhekar S, et al. **Hindustan Antibiot Bull** 1983 Feb-May;25(1-2):49-51

Metabolism of biphenyl by Aspergillus toxicarius: induction of hydroxylating activity and accumulation of water-soluble conjugates. Golbeck JH, et al. **J Bacteriol** 1983 Oct;156(1):49-57

Extracellular siderophores from Aspergillus ochraceous. Jalal MA, et al. **J Bacteriol** 1984 May;158(2):683-8

Side chain degradation and microbial reduction of different steroids by Aspergillus auroefulgens. Viola F, et al. **J Steroid Biochem** 1983 Oct;19(4):1451-8

Acceptability and pathological changes in organs of rats fed wheat contaminated with a mixed culture of Aspergillus and Penicillium species. Ghosh J, et al. **Nord Vet Med** 1983 Oct;35(10):364-71

PATHOGENICITY

Extrinsic risk factors for pneumonia in the patient at high risk of infection. Rhame FS, et al. **Am J Med** 1984 May 15;76(5A):42-52 (68 ref.)

Nature of hepatic damage induced by culture filtrates of seed-borne fungi in the laboratory rat. Sharma RB, et al. **Toxicol Lett** 1983 Oct-Nov;19(1-2):87-92

PHYSIOLOGY

Osmophilism in foodgrain storage fungi. Rao GL, et al. **Mycopathologia** 1983;83(1):3-7

RADIATION EFFECTS

Effects of ultraviolet radiation on the spores of Aspergillus ochraceus NRRL 405. Kolhekar S, et al. **Hindustan Antibiot Bull** 1983 Feb-May;25(1-2):52-4

ASPERGILLUS FLAVUS

see related

AFLATOXINS

Effect of contamination of foods by Aspergillus flavus on the nutritive value of protein. Ostrowski-Meissner HT. **J Sci Food Agric** 1984 Jan;35(1):47-58

ANALYSIS

Rapid, economical qualitative method for separation of aflatoxins B-1, B-2 & G-1, G-2 by dry column chromatography. Megalla SE. **Mycopathologia** 1983 Dec 1;84(1):45-7

DRUG EFFECTS

Effect of pyridazinone herbicides on growth and aflatoxin release by Aspergillus flavus and Aspergillus parasiticus. Bean GA, et al. **Appl Environ Microbiol** 1983 Aug; 46(2):503-5

Stimulation of aflatoxin B1 and T-2 toxin production by sorbic acid. Gareis M, et al. **Appl Environ Microbiol** 1984 Feb;47(2):416-8

GENETICS

Genetics of Aspergillus flavus: linkage of aflatoxin mutants. Papa KE. **Can J Microbiol** 1984 Jan;30(1):68-73

GROWTH & DEVELOPMENT

Rapid hematogenous dissemination of Aspergillus fumigatus and A. flavus spores in turkey poults following aerosol exposure. Richard JL, et al. **Avian Dis** 1983 Oct-Dec; 27(4):1025-33

Fungus growth on soft contact lenses with different water contents. Yamaguchi T, et al. **CLAO J** 1984 Apr-Jun; 10(2):166-71

Effect of geocarposphere temperature on pre-harvest colonization of drought-stressed peanuts by Aspergillus flavus and subsequent aflatoxin contamination. Blankenship PD, et al. **Mycopathologia** 1984 Mar 15;85(1-2):69-74

Effect of soil temperature and drought on peanut pod and stem temperatures relative to Aspergillus flavus invasion and aflatoxin contamination. Sanders TH, et al. **Mycopathologia** 1984 Apr 30;86(1):51-4

ISOLATION & PURIFICATION

Mycologic identification of Emericella nidulans and Aspergillus flavus causing pulmonary infection. Shao JZ, et al. **Chin Med J [Engl]** 1983 Apr;96(4):306-8

An atypical Aspergillus flavus from a case of bronchopulmonary aspergilloma. A contribution to the cultural and serological diagnosis of A. flavus infections. Staib F, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Sep;255(2-3):361-7

METABOLISM

Production of aflatoxin by an Aspergillus flavus isolate cultured under a limited oxygen supply. Clevström G, et al. **Appl Environ Microbiol** 1983 Aug;46(2):400-5

Cyclopiazonic acid production by Aspergillus flavus and its effects on broiler chickens. Dorner JW, et al. **Appl Environ Microbiol** 1983 Sep;46(3):698-703

Effect of aluminium and nickel on aflatoxin production by Aspergillus flavus. Malini R, et al. **Folia Microbiol (Praha)** 1984;29(2):104-7

Aspergillic acids produced by mixed cultures of Aspergillus flavus and Aspergillus nidulans. Perry MJ, et al. **J Gen Microbiol** 1984 Feb;130 (Pt 2):319-23

Production of aflatoxins on soybean and cottonseed meals. Hensarling TP, et al. **Mycopathologia** 1983 Nov 21; 83(2):125-7

Aspergillus infection and aflatoxin production in some cowpea (Vigna unguiculata (L.) Walp) lines in Tanzania. Seenappa M, et al. **Mycopathologia** 1983 Nov 21; 83(2):103-6

A case of aflatoxicosis in fattening calves caused by aflatoxin formation in inadequate formic acid treated grain. Holmberg T, et al. **Zentralbl Veterinarmed [A]** 1983 Nov; 30(9):656-63

[Ecology of aflatoxin B1-producing Aspergillus flavus strains] Jesenskà Z, et al. **Z Gesamte Hyg** 1983 Sep; 29(9):515-7 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Factors influencing the inhibition of aflatoxin production in corn by Aspergillus niger. Horn BW, et al. **Can J Microbiol** 1983 Sep;29(9):1087-91

ASPERGILLUS FUMIGATUS

Aspergillus fumigatus spore concentration in outside air: Cardiff and St Louis compared. Mullins J, et al. **Clin Allergy** 1984 Jul;14(4):351-4

ANALYSIS

Studies on the toxin of Aspergillus fumigatus. XVIII. Photooxidation of asp-hemolysin in the presence of various dyes and its relation to the site of hemolytic activity. Yokota K, et al. **Microbiol Immunol** 1984;28(4):385-91

[My toxin research] Sakaguchi O. **Nippon Saikingaku Zasshi** 1984 Jan;39(1):15-8 **(Jpn)**

DRUG EFFECTS

Killing of Aspergillus fumigatus spores and Candida albicans yeast phase by the iron-hydrogen peroxide-iodide cytotoxic system: comparison with the myeloperoxidase-hydrogen peroxide-halide system. Levitz SM, et al. **Infect Immun** 1984 Mar;43(3):1100-2

Influence of econazole and 5-fluorocytosine on the ultrastructure of Aspergillus fumigatus and the cytochemical localization of calcium ions as measured by laser microprobe mass analysis. De Nollin S, et al. **Sabouraudia** 1983 Dec;21(4):287-302

GROWTH & DEVELOPMENT

Rapid hematogenous dissemination of Aspergillus fumigatus and A. flavus spores in turkey poults following aerosol exposure. Richard JL, et al. **Avian Dis** 1983 Oct-Dec; 27(4):1025-33

IMMUNOLOGY

Antigen detection in the diagnosis of invasive aspergillosis. Utility in controlled, blinded trials. Weiner MH, et al. **Ann Intern Med** 1983 Dec;99(6):777-82

Functional studies on mouse macrophages activated by phospholipids from Listeria monocytogenes and Aspergillus fumigatus. Jakoniuk P, et al. **Arch Immunol Ther Exp (Warsz)** 1983;31(4):523-30

Influence of phospholipids from Listeria monocytogenes and Aspergillus fumigatus on the bactericidal and fungicidal activity of mouse peritoneal macrophages. Jakoniuk P, et al. **Arch Immunol Ther Exp (Warsz)** 1984;32(1):143-52

Fractionation of Aspergillus fumigatus antigens by hydrophobic interaction chromatography and gel filtration. Schønheyder H, et al. **Int Arch Allergy Appl Immunol** 1984; 73(3):231-6

IgG antibodies to purified Aspergillus fumigatus antigens determined by enzyme-linked immunosorbent assay. Schønheyder H, et al. **Int Arch Allergy Appl Immunol** 1984; 74(3):262-9

The allergenic and antigenic properties of spore extracts of Aspergillus fumigatus: a comparative study of spore extracts with mycelium and culture filtrate extracts. Kauffman HF, et al. **J Allergy Clin Immunol** 1984 May; 73(5 Pt 1):567-73

Measurement of specific IgE and IgG antibodies against Aspergillus fumigatus antigen in patient sera by use of enzyme immunoassays: influence of different procedures of antigen immobilization. van der Heide S, et al. **J Allergy Clin Immunol** 1984 Jun;73(6):813-8

Surface antigens of intact Aspergillus fumigatus mycelium: their localization using radiolabelled protein A as marker. Hearn VM. **J Gen Microbiol** 1984 Apr;130 (Pt 4):907-17

Preparative isoelectric focusing of immunologically reactive components of Aspergillus fumigatus mycelium. Wilson EV, et al. **J Gen Microbiol** 1984 Apr;130 (Pt 4):919-25

Comparison of antigens and serological methods in Aspergillus fumigatus antibody detection. Kurup VP, et al. **Mykosen** 1984 Jan;27(1):43-50

Immunosuppression in vitro by a metabolite of a human pathogenic fungus. Müllbacher A, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(12):3835-7

Antigenic profile of some typical and septate phialide-strains of Aspergillus fumigatus. Mishra SK. **Sabouraudia** 1984; 22(2):91-100

Comparison of partially purified mycelial and culture filtrate antigens of Aspergillus fumigatus by enzyme-linked immunosorbent assay. Wilson EV, et al. **Sabouraudia** 1983 Sep;21(3):195-203

Hypersensitivity pneumonitis due to Aspergillus fumigatus in compost. Vincken W, et al. **Thorax** 1984 Jan;39(1):74-5

[Detection of anti-aspergillus IgG type antibody in the sera by solid phase immunoradiometric assay—comparison with gel precipitation test in cases of pulmonary aspergilloma] Danbara T. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Aug;21(8):745-52 (Eng. Abstr.) **(Jpn)**

ISOLATION & PURIFICATION

Aspergillus fumigatus and other thermotolerant fungi generated by hospital building demolition. Streifel AJ, et al. **Appl Environ Microbiol** 1983 Aug;46(2):375-8

Recovery of Aspergillus fumigatus aerospora from municipal sewage sludge composting operations in the state of Maine. Passman FJ. **Mycopathologia** 1983;83(1):41-51

Mycotic abortions in equines. Monga DP, et al. **Mykosen** 1983 Dec;26(12):612-4

METABOLISM

Studies on WF-5239, a new potent platelet aggregation inhibitor. Umehara K, et al. **J Antibiot (Tokyo)** 1984 May; 37(5):469–74

PATHOGENICITY

Interaction of Aspergillus fumigatus spores and pulmonary alveolar macrophages of rabbits. Kurup VP. **Immunobiology** 1984 Jan;166(1):53–61

Correlation of elastase production by some strains of Aspergillus fumigatus with ability to cause pulmonary invasive aspergillosis in mice. Kothary MH, et al. **Infect Immun** 1984 Jan;43(1):320–5

Role of endotoxin of Aspergillus fumigatus in its pathogenicity. Chaudhary B, et al. **Mykosen** 1983 Aug; 26(8):430–4

Pathogenicity of aspergillus fumigatus in chicks, guinea fowl, rabbits and mice. Chaudhary B, et al. **Mykosen** 1983 Aug; 26(8):421–9

ULTRASTRUCTURE

Electron microscopic examination of ribosome preparations from germinated spores of Aspergillus fumigatus. Brogden KA, et al. **Mycopathologia** 1984 Apr 30;86(1):59–64

ASPERGILLUS NIDULANS

CYTOLOGY

Kinetics of the nuclear division cycle of Aspergillus nidulans. Bergen LG, et al. **J Bacteriol** 1983 Oct;156(1):155–60

Effects of mitotic and tubulin mutations on microtubule architecture in actively growing protoplasts of Aspergillus nidulans. Gambino J, et al. **J Cell Biol** 1984 Sep;99(3):830–8

DRUG EFFECTS

Genotoxic activity of plant growth-regulating hormones in Aspergillus nidulans. Kappas A. **Carcinogenesis** 1983 Nov; 4(11):1409–11

ENZYMOLOGY

Optical and electron paramagnetic resonance spectroscopic studies on purine hydroxylase II from Aspergillus nidulans. Coughlan MP, et al. **Arch Biochem Biophys** 1984 Mar; 229(2):596–603

Purification and properties of purine hydroxylase II from Aspergillus nidulans. Mehra RK, et al. **Arch Biochem Biophys** 1984 Mar;229(2):585–95

Identification of the probable coding region for exon 2 of cytochrome oxidase polypeptide I from Aspergillus nidulans mitochondrion. George DG, et al. **Biochem Biophys Res Commun** 1984 Mar 15;119(2):786–94

Pyruvate carboxylase from Aspergillus nidulans. Effects of regulatory modifiers on the structure of the enzyme. Osmani SA, et al. **Eur J Biochem** 1984 Mar 15; 139(3):509–18

Separation and characterization of pyrimidine deoxyribonucleoside 2'-hydroxylase and thymine 7-hydroxylase from Aspergillus nidulans. Shaffer PM, et al. **Int J Biochem** 1984;16(4):429–34

Purification and properties of two neutral proteinases from Aspergillus nidulans. Ansari H, et al. **J Gen Microbiol** 1983 Jun;129 (Pt 6):1637–44

A convener role for the cnxH gene specified component in the NADPH-nitrate reductase from Aspergillus nidulans. Downey R, et al. **Mol Cell Biochem** 1984;59(1–2):155–63

GENETICS

Cloning and mapping of fourteen different DNA fragments containing Aspergillus nidulans 5S rRNA genes. Bartnik E, et al. **Acta Microbiol Pol** 1984;33(1):5–10

Cloning of Aspergillus nidulans ribosomal DNA in shotgun experiments using the EK2 vector lambda gtWEST.T5–622. Skalińska BA, et al. **Acta Microbiol Pol** 1983;32(3):231–6

Cloning and characterization of the ornithine carbamoyltransferase gene from Aspergillus nidulans. Berse B, et al. **Gene** 1983 Nov;25(1):109–17

Transformation by integration in Aspergillus nidulans. Tilburn J, et al. **Gene** 1983 Dec;26(2–3):205–21

Genetic and environmental modification of gene expression in the brlA12 variegated position effect mutant of Aspergillus nidulans. Clutterbuck AJ, et al. **Genet Res** 1984 Apr;43(2):123–38

Evidence for a nonsense mutation at the niaD locus of Aspergillus nidulans. Martinelli SD, et al. **Genet Res** 1984 Jun;43(3):241–8

Induced mutation developing delta 9-desaturase defective unsaturated fatty acid requiring mutants of Aspergillus nidulans IMI 72731. Das TK, et al. **Indian J Exp Biol** 1983 Jun;21(6):339–42

Cytochrome b gene of Neurospora crassa mitochondria. Partial sequence and location of introns at sites different from those in Saccharomyces cerevisiae and Aspergillus nidulans. Burke JM, et al. **J Biol Chem** 1984 Jan 10; 259(1):504–11

Aspects of genetic interaction in hybrids of Aspergillus nidulans and Aspergillus rugulosus obtained by protoplast fusion. Bradshaw RE, et al. **J Gen Microbiol** 1983 Nov; 129 (Pt 11):3525–33

A chromosome assay method for the detection of heterokaryon incompatibility (het) genes operating between members of different heterokaryon compatibility (h–c) groups in Aspergillus nidulans. Dales RB, et al. **J Gen Microbiol** 1983 Dec;129 (Pt 12):3643–9

The location and analysis of two heterokaryon incompatibility (het) loci in strains of Aspergillus nidulans. Dales RB, et al. **J Gen Microbiol** 1983 Dec;129 (Pt 12):3637–42

Evidence for two control genes regulating expression of the quinic acid utilization (qut) gene cluster in Aspergillus nidulans. Hawkins AR, et al. **J Gen Microbiol** 1984 Mar; 130 (Pt 3):567–74

The genetic location of three mutations impairing penicillin production in Aspergillus nidulans. Makins JF, et al. **J Gen Microbiol** 1983 Oct;129 (Pt 10):3027–33

Interactions of ribosomal antibiotics and informational suppressors of Aspergillus nidulans. Martinelli SD. **J Gen Microbiol** 1984 Mar;130 (Pt 3):575–82

Mutations affecting the sulphur assimilation pathway in Aspergillus nidulans: their effect on sulphur amino acid metabolism. Paszewski A, et al. **J Gen Microbiol** 1984 May; 130 (Pt 5):1113–21

Spontaneous duplications and transpositions of a large chromosome segment in Aspergillus nidulans. Sexton CE, et al. **J Gen Microbiol** 1984 Mar;130 (Pt 3):583–95

A polyamine-sensitive mutant of Aspergillus nidulans. Spathas DH, et al. **J Gen Microbiol** 1983 Jun;129 (Pt 6):1865–71

Bifunctionality and polarized infidelity at the hisB locus of Aspergillus nidulans. Millington Ward AM, et al. **MGG** 1984;193(2):332–9

Isolation of genomic clones containing the amdS gene of Aspergillus nidulans and their use in the analysis of structural and regulatory mutations. Hynes MJ, et al. **Mol Cell Biol** 1983 Aug;3(8):1430–9

High-frequency conversion to a 'fluffy' developmental phenotype in Aspergillus spp. by 5-azacytidine treatment: evidence for involvement of a single nuclear gene. Tamame M, et al. **Mol Cell Biol** 1983 Dec;3(12):2287–97

Disruptive effects of ethyl alcohol on mitotic chromosome segregation in diploid and haploid strains of Aspergillus nidulans. Käfer E. **Mutat Res** 1984 Jan;135(1):53–75

Developmental regulation of the Aspergillus nidulans trpC gene. Yelton MM, et al. **Proc Natl Acad Sci USA** 1983 Dec;80(24):7576–80

Transformation of Aspergillus nidulans by using a trpC plasmid. Yelton MM, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(5):1470–4

METABOLISM

Aspergillic acids produced by mixed cultures of Aspergillus flavus and Aspergillus nidulans. Perry MJ, et al. **J Gen Microbiol** 1984 Feb;130 (Pt 2):319–23

PHYSIOLOGY

S-phase, G2, and nuclear division mutants of Aspergillus nidulans. Bergen LG, et al. **J Bacteriol** 1984 Jul; 159(1):114–9

Developmental defects resulting from arginine auxotrophy in Aspergillus nidulans. Serlupi-Crescenzi O, et al. **J Gen Microbiol** 1983 Nov;129 (Pt 11):3535–44

ASPERGILLUS NIGER

CYTOLOGY

Morphological anomalies induced by Congo red in Aspergillus niger. Pancaldi S, et al. **Arch Microbiol** 1984 Mar;137(3):185–7

DRUG EFFECTS

Quantitative structure activity considerations on the spore-inhibiting activity of esters of 1,3-dihydroxybutane. Rehn D. **Methods Find Exp Clin Pharmacol** 1983 Dec; 5(10):701–5

Inhibition of fungal NADP+-isocitrate dehydrogenase by citric acid. Agrawal PK, et al. **Z Allg Mikrobiol** 1983; 23(6):403–6

ENZYMOLOGY

Actions of porcine pancreatic and Bacillus subtilis alpha-amylases and Aspergillus niger glucoamylase on phosphorylated (1—4)-alpha-D-glucan. Takeda Y, et al. **Biochim Biophys Acta** 1983 Dec 28;749(3):302–11

Pyruvate kinase from Aspergillus niger: a regulatory enzyme in glycolysis? Meixner-Monori B, et al. **Can J Microbiol** 1984 Jan;30(1):16–22

Selective isolation of endo-D-galacturonanase of Aspergillus niger based on interaction with tri(D-galactosiduronic acid) covalently bound to poly(hydroxyalkyl methacrylate). Rexová-Benková L, et al. **Carbohydr Res** 1983 Oct 28;122(2):269–81

Glucoamylases G1 and G2 from Aspergillus niger are synthesized from two different but closely related mRNAs. Boel E, et al. **EMBO J** 1984 May;3(5):1097–102

[Glucoamylase enzyme preparation from the culture broth of an Aspergillus niger B77 strain. I. The isolation of the crude enzyme preparation and study of its properties] Tsekova K, et al. **Acta Microbiol Bulg** 1983;13:83–90 (Eng. Abstr.) **(Bul)**

[Microbial amine oxidase] Kumagai H, et al. **Tanpakushitsu Kakusan Koso** 1984 May;29(5):357–73 (42 ref.) **(Jpn)**

[Use of catabolic repression in the selection of the glucoamylase-producer Aspergillus niger] Ivanova VV, et al. **Prikl Biokhim Mikrobiol** 1983 Nov–Dec;19(6):844–50 (Eng. Abstr.) **(Rus)**

[Transglycosylation reactions catalyzed by Aspergillus niger 15 beta-xylosidase] Tavobilov IM, et al. **Prikl Biokhim Mikrobiol** 1984 Jan–Feb;20(1):43–6 (Eng. Abstr.) **(Rus)**

GENETICS

Two different types of intervening sequences in the glucoamylase gene from Aspergillus niger. Boel E, et al. **EMBO J** 1984 Jul;3(7):1581–5

High-frequency conversion to a 'fluffy' developmental phenotype in Aspergillus spp. by 5-azacytidine treatment: evidence for involvement of a single nuclear gene. Tamame M, et al. **Mol Cell Biol** 1983 Dec;3(12):2287–97

METABOLISM

Naphtho-gamma-pyrone production by Aspergillus niger isolated from stored cottonseed. Ehrlich KC, et al. **Appl Environ Microbiol** 1984 Jul;48(1):1–4

PHYSIOLOGY

Factors influencing the inhibition of aflatoxin production in corn by Aspergillus niger. Horn BW, et al. **Can J Microbiol** 1983 Sep;29(9):1087–91

[Resistance of mesospheric microorganisms to periodic freezing—thawing] Imshenetskiĭ AA, et al. **Mikrobiologiia** 1983 Nov–Dec;52(6):902–8 (Eng. Abstr.) **(Rus)**

[Action of desiccation and low temperatures on mesospheric strains of Aspergillus niger and Penicillium chrysogenum] Imshenetskiĭ AA, et al. **Mikrobiologiia** 1984 Mar–Apr; 53(2):296–9 (Eng. Abstr.) **(Rus)**

[Action of dehydration on the survival, morphology and ultrastructure of the conidia of air-borne and culture collection strains of Aspergillus niger and Penicillium chrysogenum] Imshenetskiĭ AA, et al. **Mikrobiologiia** 1984 May–Jun;53(3):489–94 (Eng. Abstr.) **(Rus)**

ASPERGILLUS ORYZAE see under **ASPERGILLUS**

ASPHYXIA

Accidental hanging in autoeroticism. An unusual case occurring outdoors. Emson HE. **Am J Forensic Med Pathol** 1983 Dec;4(4):337–40

A case of suicidal ligature strangulation. Frazer M, et al. **Am J Forensic Med Pathol** 1983 Dec;4(4):351–4

COMPLICATIONS

[Problems with aspiration asphyxia in mental patients] Cižek J. **Cesk Psychiatr** 1983 Aug;79(4):260–6 (Eng. Abstr.) **(Cze)**

DIAGNOSIS

Detection of thyroglobulin in blood stains as an aid in the diagnosis of mechanical asphyxia. Katsumata Y, et al. **J Forensic Sci** 1984 Jan;29(1):299–302

ETIOLOGY

Suggestion and suicide by plastic bag asphyxia [letter] Church IC, et al. **Br J Psychiatry** 1984 Jan;144:100–1

An unusual autoerotic death: asphyxia with an abdominal ligature. Thibault R, et al. **J Forensic Sci** 1984 Apr; 29(2):679–84

[Suffocant hydrothorax after placing of a Leveen valve] Laizet L, et al. **LARC Med** 1983 Aug–Sep;3(7):478–9 **(Fre)**

[Asphyxia due to swallowing a live common perch] Nechiporenko PI. **Vrach Delo** 1983 Nov;(11):50 **(Rus)**

METABOLISM

Study on chronic suffocation. 1. The survival time and the change of acid-base balance. Sawaguchi A, et al. **Nippon Hoigaku Zasshi** 1983 Dec;37(6):788–94

[Activation of lipid peroxidation and its prevention with ionol during mechanical asphyxia followed by resuscitation] Meerson FZ, et al. **Biull Eksp Biol Med** 1983 Nov; 96(11):33–6 (Eng. Abstr.) **(Rus)**

MORTALITY

Childhood asphyxiation by food. A national analysis and overview. Harris CS, et al. **JAMA** 1984 May 4; 251(17):2231–5

PATHOLOGY

Pulmonary tissues in strangulation. Furuya Y, et al. **Igaku Kenkyu** 1983 Feb;53(1):19–22

[Ultrastructural pathology of the lung in obstructive asphyxia] Fechner G, et al. **Beitr Gerichtl Med** 1984;42:41–6 (Eng. Abstr.) **(Ger)**

[Resistance of cortical and hypothalamic neurons to recurrent asphyxia] Kuz'mina TR, et al. **Fiziol Zh SSSR** 1984 Apr;

70(4):411–8 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

Cardiovascular responses to asphyxial challenge in chronically hypokalemic dogs. Wong KC, et al. **Anesth Analg** 1983 Nov;62(11):991–4

Monitoring of cerebral function after severe asphyxia in infancy. Bjerre I, et al. **Arch Dis Child** 1983 Dec; 58(12):997–1002

The influence of transient asphyxia on receptor potentials in inner hair cells of the guinea pig cochlea. Russell IJ, et al. **Hear Res** 1983 Sep;11(3):373–84

Respiratory effects of progressive asphyxia in rabbit pups and adult rabbits. Trippenbach T, et al. **J Appl Physiol** 1984 Apr;56(4):940–7

Diving and asphyxia. A comparative study of animals and man. Elsner R, et al. **Monogr Physiol Soc** 1983;40:1–168

[Coronary circulation in cats exposed to different gaseous media] Sanotskaia NV, et al. **Biull Eksp Biol Med** 1984 Mar;97(3):280–2 (Eng. Abstr.) (Rus)

PSYCHOLOGY

A male with autoerotic asphyxia syndrome. Wesselius CL, et al. **Am J Forensic Med Pathol** 1983 Dec;4(4):341–4

ASPHYXIA NEONATORUM

BLOOD

Thyrotropin and prolactin response to thyrotropin–releasing hormone in healthy and asphyxiated full–term neonates. Ruppert F, et al. **Acta Paediatr Hung** 1983;24(2):111–8

Values for some serum analytes in high–risk infants, two days postpartum. Fitzsimons EJ, et al. **Clin Chem** 1984 Apr; 30(4):566–8

Thromboxane B2 production by fetal and neonatal platelets: effect of idiopathic respiratory distress syndrome and birth asphyxia. Kääpä P, et al. **Pediatr Res** 1984 Aug;18(8):756–8

[Kininogenesis in healthy and asphyxiated neonates] Strizhova NV, et al. **Akush Ginekol (Mosk)** 1983 Oct; (10):46–7 (Eng. Abstr.) (Rus)

CHEMICALLY INDUCED

Naloxone exacerbates hypoxic–ischemic brain injury in the neonatal rat. Young RS, et al. **Am J Obstet Gynecol** 1984 Sep 1;150(1):52–6

COMPLICATIONS

Heart size in newborn infants with birth asphyxia. Kortman KE, et al. **AJR** 1984 Sep;143(3):533–5

Cerebral palsy and mental retardation in relation to indicators of perinatal asphyxia. An epidemiologic overview. Paneth N, et al. **Am J Obstet Gynecol** 1983 Dec 15;147(8):960–6

Vision attention and discrimination in infants at risk and neurological outcome. Harmant K, et al. **Behav Brain Res** 1983 Oct;10(1):203–7

Birth asphyxia: pathophysiologic events and fetal adaptive changes. Woods JR Jr. **Clin Perinatol** 1983 Jun; 10(2):473–86 (44 ref.)

Neonatal hypoxia and epileptic risk: a clinical prospective study. Bergamasco B, et al. **Epilepsia** 1984 Apr;25(2):131–6

Can perinatal asphyxia cause cerebral edema and affect cerebral blood flow velocity? van Bel F, et al. **Eur J Pediatr** 1984 Apr;142(1):29–32

The evolution of cerebral hemispheric lesions due to pre– or perinatal asphyxia (clinical and neuroradiological correlation). Lütschg J, et al. **Helv Paediatr Acta** 1983 Aug; 38(3):245–54

Myocardial ischaemia following birth asphyxia. Daga SR, et al. **Indian Pediatr** 1983 Aug;20(8):567–71

Central cortico–subcortical pattern on CT in cerebral palsy. Its relevance to asphyxia. Barth PG, et al. **J Neuroradiol** 1984;11(1):65–71 (Eng, Fre)

Occlusive vascular disease in asphyxiated newborn infants. Voorhies TM, et al. **J Pediatr** 1984 Jul;105(1):92–6

Hyperinsulinism in asphyxiated and small–for–dates infants with hypoglycaemia. Collins JE, et al. **Lancet** 1984 Aug 11;2(8398):311–3

Abnormal neonatal movements, intracranial hemorrhage, asphyxia. Koenigsberger MR. **Pediatr Ann** 1983 Nov; 12(11):798–804 (35 ref.)

[Cerebral distress in the newborn infant at term. Initial classification and results at mid term] Pallecchi EA, et al. **Minerva Pediatr** 1984 Mar 31;36(6):313–21 (Eng. Abstr.) (Ita)

[Treatment and prognosis of intracranial hemorrhage and asphyxia in neonates] Sugimoto T, et al. **No To Hattatsu** 1984;16(2):145–9 (Jpn)

[Pathogenesis and prevention of perinatal hypoxic brain damage and intraventricular hemorrhage] Takashima Y, et al. **No To Hattatsu** 1984;16(2):138–44 (Jpn)

[Several neuroendocrine aspects of sexual development of girls who had suffered asphyxia neonatorum or intracranial birth injury] Kononenko TA, et al. **Akush Ginekol (Mosk)** 1984 May;(5):50–3 (Eng. Abstr.) (Rus)

[Acute renal failure in perinatal asphyxia] López Domínguez O, et al. **An Esp Pediatr** 1983 Dec;19(6):475–80 (Eng. Abstr.) (Spa)

DIAGNOSIS

Increases in methylated nucleosides during human pregnancy. Simmonds RJ, et al. **Adv Exp Med Biol** 1984; 165 Pt A:291–5

Prenatal diagnosis of asphyxiating thoracic dysplasia. Lipson M, et al. **Am J Med Genet** 1984 Jun;18(2):273–7

Significance of reactive burst suppression following asphyxia in full term infants. Holmes GL, et al. **Clin Electroencephalogr** 1983 Jul;14(3):138–41

Cerebral function monitor in the neonate. II: Birth asphyxia. Archbald F, et al. **Dev Med Child Neurol** 1984 Apr; 26(2):162–8

Systematic pH–measurements in the umbilical artery: causes and predictive value of neonatal acidosis. Lauener PA, et al. **J Perinat Med** 1983;11(6):278–85

[Relation between severe asphyxia and birth order in twin pregnancy] Cascioli CF, et al. **Minerva Ginecol** 1983 Oct; 35(10):619–22 (Eng. Abstr.) (Ita)

[Current methods of diagnosis and treatment of asphyxia neonatorum] Grishchenko VI, et al. **Akush Ginekol (Mosk)** 1983 Oct;(10):59–63 (Eng. Abstr.) (Rus)

ENZYMOLOGY

Serum creatine phosphokinase (CPK) isoenzymes in perinatal asphyxia. Thangavel MM, et al. **Indian J Pediatr** 1982 Sep–Oct;49(400):761–5

ETIOLOGY

[Spontaneous neonatal chylothorax. Apropos of 5 cases] Arena Ansótegui J, et al. **An Esp Pediatr** 1984 Jan; 20(1):49–54 (Eng. Abstr.) (Spa)

IMMUNOLOGY

[T– and B–immunity indices in the cerebrospinal fluid and peripheral blood of newborn infants and young children with hypoxic injuries of the central nervous system and bacterial infections] Nizharadze GI, et al. **Pediatriia** 1983 Oct;(10):21–3 (Eng. Abstr.) (Rus)

[Humoral and non–specific immunity in newborn infants with perinatal brain injuries] Stratulat PM, et al. **Pediatriia** 1983 Oct;(10):17–21 (Eng. Abstr.) (Rus)

METABOLISM

GABA concentrations and turnover in neonatal rat brain during asphyxia and recovery. Iversen K, et al. **Acta Physiol Scand** 1983 May;118(1):91–4

Cerebral energy metabolism studied with phosphorus NMR spectroscopy in normal and birth–asphyxiated infants. Hope PL, et al. **Lancet** 1984 Aug 18;2(8399):366–70

OCCURRENCE

Changing patterns of birth asphyxia and trauma over 20 years. Cyr RM, et al. **Am J Obstet Gynecol** 1984 Mar 1; 148(5):490–8

Which deliveries require paediatricians in attendance? [letter] **Br Med J [Clin Res]** 1984 Aug 18;289(6442):435–6

PATHOLOGY

Morphological changes in the brain following intranatal asphyxia (on the pathogenesis of mental retardation). Kazakova PB, et al. **Neurosci Behav Physiol** 1984 May–Jun; 14(3):218–24

[Intrapartum death or infanticide? A contribution to intrapartum asphyxia] Dirnhofer R, et al. **Z Rechtsmed** 1983;91(2):145–51 (Eng. Abstr.) (Ger)

[Pulmonary surfactant characteristics of fetuses and newborn infants with perinatal pathology] Isaliev ZhSh, et al. **Akush Ginekol (Mosk)** 1984 Jun;(6):38–41 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

The signification of verifying and evaluating pathophysiological knowledge in paediatrics. Michaličková J. **Acta Univ Carol [Med] (Praha)** 1983;29(3–4):221–4

Continuous measurement of subarachnoid pressure in the severely asphyxiated newborn. Levene MI, et al. **Arch Dis Child** 1983 Dec;58(12):1013–5

Cerebral blood flow velocities in postasphyxial term neonates. Ando Y, et al. **Brain Dev** 1983;5(6):529–32

Low cerebral perfusion pressure: an indicator of poor prognosis in asphyxiated term infants. Raju TN, et al. **Brain Dev** 1983;5(5):478–82

The influence of asphyxia on phenobarbital dosing requirements in neonates. Gal P, et al. **Dev Pharmacol Ther** 1984;7(3):145–52

The renal response to acute asphyxia in spontaneously breathing newborn lambs. Stonestreet BS, et al. **Early Hum Dev** 1984 Jun;9(4):347–61

Impact of intermittent prolonged asphyxia in rat sucklings on growth and development. Ferrara A, et al. **Growth** 1984 Spring;48(1):120–33

Auditory brainstem responses in perinatal asphyxia. Kileny P, et al. **Int J Pediatr Otorhinolaryngol** 1980 Jun;2(2):147–59

Respiratory effects of progressive asphyxia in rabbit pups and adult rabbits. Trippenbach T, et al. **J Appl Physiol** 1984 Apr;56(4):940–7

Effects of asphyxia on lung fluid balance in baby lambs. Hansen TN, et al. **J Clin Invest** 1984 Aug;74(2):370–6

The regional distribution and determinants of myocardial blood flow during asphyxia in the fetal lamb. Davies JM, et al. **Pediatr Res** 1984 Aug;18(8):764–7

[EEG changes following perinatal asphyxia] Haffner B, et al. **Padiatr Padol** 1984;19(3):241–50 (Eng. Abstr.) (Ger)

[Dynamics of the omega potential in newborn infants with a history of hypoxia at birth] Minicheva TV. **Akush Ginekol (Mosk)** 1984 Jun;(6):63–6 (Eng. Abstr.) (Rus)

PREVENTION & CONTROL

[Asphyxia] **Gynakol Rundsch** 1983;23 Suppl 3:82–127 (Ger)

PSYCHOLOGY

The relationship between neonatal characteristics and three–month mother–infant interaction in high–risk infants. Greene JG, et al. **Child Dev** 1983 Oct;54(5):1286–96 (29 ref.)

Perinatal brain ischaemia: impact at four years of age. Skov H, et al. **Dev Med Child Neurol** 1984 Jun;26(3):353–7

THERAPY

Management of the depressed newborn. Welch KA, et al. **Clin Obstet Gynecol** 1984 Mar;27(1):125–33

[Care of severely asphyctic preterm and term infants] Schranz D, et al. **Monatsschr Kinderheilkd** 1983 Sep;131(9):587–90 (Eng. Abstr.) (Ger)

[Pulmonary hemorrhage in the newborn infant] Liberatore A, et al. **Minerva Pediatr** 1984 Mar 31;36(6):307–11 (Eng. Abstr.) (Ita)

[Resuscitation and intensive care in asphyxia neonatorum] Elizarova IP, et al. **Akush Ginekol (Mosk)** 1984 Mar; (3):12–6 (Eng. Abstr.) (Rus)

[Characteristic features of resuscitation and intensive care of asphyxiated neonates] Gavriushov VV, et al. **Akush Ginekol (Mosk)** 1983 Oct;(10):66–9 (Eng. Abstr.) (Rus)

[Principles of resuscitation and intensive care of asphyxiated neonates] Malysheva RA, et al. **Akush Ginekol (Mosk)** 1983 Oct;(10):63–6 (Rus)

[Debatable questions and reasons for inadequate resuscitation and intensive care of asphyxic newborn infants] Stepankovskaia GK, et al. **Akush Ginekol (Mosk)** 1984 Jan; (1):53–6 (Rus)

ASPIDIUM see under **PLANTS, MEDICINAL**

ASPIRATION see under **RESPIRATION**

ASPIRATION BIOPSY see **BIOPSY, NEEDLE**

ASPIRATION, MECHANICAL see **SUCTION**

ASPIRATION OF GASTRIC CONTENTS see **PNEUMONIA, ASPIRATION**

ASPIRATION PNEUMONIA see **PNEUMONIA, ASPIRATION**

ASPIRATIONS (PSYCHOLOGY)

Re–forming the boundaries: a trans–cultural comparison of positive experiences among adolescent males and females. Magen Z. **Adolescence** 1983 Winter;18(72):851–8

Death anxiety, purpose in life and duration of service in hospice volunteers. Amenta MM. **Psychol Rep** 1984 Jun; 54(3):979–84

[Experimental psychological study of the functions of the aspiration level of schizophrenic patients] Kurek NS. **Zh Nevropatol Psikhiatr** 1983;83(12):1816–20 (Eng. Abstr.) (Rus)

ASPIRIN

Studies on the hydrolysis of biocompatible acrylic polymers having aspirin–moieties. Gu ZW, et al. **Biomater Med Devices Artif Organs** 1983;11(2–3):211–9

Changes of gastric mucus glycoproteins with aspirin administration in rats. Ishihara K, et al. **Digestion** 1984; 29(2):98–102

Stability of aspirin in different media. Bakar SK, et al. **J Pharm Sci** 1983 Sep;72(9):1024–6

ADMINISTRATION & DOSAGE

Evaluation of the efficacy of Alka–Seltzer Effervescent in gastric acid neutralization. Chen CT, et al. **Anesth Analg** 1984 Mar;63(3):325–9

Etodolac, aspirin, and placebo in patients with rheumatoid arthritis: a 12–week study. Edwards W. **Clin Ther** 1983; 5(5):495–503

Twice a day aspirin. Golightly LK, et al. **Colo Med** 1984 Apr;81(4):110–2

Possible role of central serotoninergic neurons in the development of dental pain and aspirin–induced analgesia in the monkey. Shyu KW, et al. **Exp Neurol** 1984 Apr; 84(1):179–87

Episiotomy pain: efficacy and safety of fluproquazone compared to aspirin and placebo. London R, et al. **Int J Gynaecol Obstet** 1983 Jun;21(3):251–5

Dose and pH dependent effects of aspirin on guinea–pig

ileum. Hall WJ, et al. **Ir J Med Sci** 1984 Jan;153(1):11–6
Double-blind comparison of single oral doses of oxaprozin, aspirin, and placebo for relief of post-operative oral surgery pain. Winter L Jr, et al. **J Int Med Res** 1983;11(5):308–14
Aspirin–sulfinpyrazone in prophylaxis of deep venous thrombosis in total hip replacement. Sautter RD, et al. **JAMA** 1983 Nov 18;250(19):2649–54
Effect of different aspirin doses on arterial thrombosis after canine carotid endarterectomy: a scanning electron microscope and indium–111–labeled platelet study. Ercius MS, et al. **Neurosurgery** 1984 Feb;14(2):198–203
Enteric-coated aspirin, platelet cyclooxygenase activity and function. Rao GH, et al.
Prostaglandins Leukotrienes Med 1984 Mar;13(3):341–7
Plaque-forming cells in man. IV. Influence of acetylsalicylic acid in vivo and dexamethasone in vitro. Tauris P.
Scand J Immunol 1984 Feb;19(2):129–33
Study of platelet activation in migraine: control by low doses of aspirin. D'Andrea G, et al. **Stroke** 1984 Mar–Apr; 15(2):271–5
Effect of a single dose of acetylsalicylic acid (Colfarit) on prostaglandin synthesis of platelets. Rákóczi I, et al.
Ther Hung 1981;29(3):128–33
Relevance to redesigning aspirin therapeutic regimens. Thiessen JJ. **Thromb Res [Suppl]** 1983;4:163–70
[Comparative study of acetylsalicylic acid and calcium heparinate in the prevention of venous thrombosis after transurethral resection of the prostate] Mongin D, et al. **Agressologie** 1983 Nov;24(10):523–5 (Eng. Abstr.) **(Fre)**
[Controlled cooperative trial of secondary prevention of cerebral ischemic accidents caused by atherosclerosis, using aspirin and dipyridamole] Bousser MG, et al.
Presse Med 1983 Dec 29;12(48):3049–57 (Eng. Abstr.) **(Fre)**
[Venous prostacycline synthesis and plasma thromboxane B2 after low-dose aspirin] Kaliman J, et al.
Wien Klin Wochenschr 1983 Sep 16;95(17):615–7 (Eng. Abstr.) **(Ger)**
[The effect of low doses of Colfarit on pulmonary embolism in the elderly] Szabó R, et al. **Orv Hetil** 1984 Jun 24; 125(26):1565–8, 1571 (Eng. Abstr.) **(Hun)**
[Platelet antiaggregants in post-myocardial infarct patients: why, which and in what doses?] Mannucci PM.
G Ital Cardiol 1983 Nov;13(11):335–9 **(Ita)**
[Case of mitral stenosis with regression and elimination of left atrial thrombus after combined therapy of urokinase, dipyridamole and aspirin] Asano H, et al.
Kokyu To Junkan 1983 Nov;31(11):1259–63 (Eng. Abstr.) **(Jpn)**
[Optimal dose of aspirin in ischemic cerebrovascular disorders] Suzuki K, et al. **Nippon Naika Gakkai Zasshi** 1983 Nov;72(11):1547–52 **(Jpn)**
[Prevention and treatment of coronary lesions in Kawasaki disease. Treatment with anti-platelet agents and aspirin: optimum dosages and their evaluation] Shirahata A, et al. **Nippon Rinsho** 1983 Sep;41(9):2103–10 **(Jpn)**
[Blood salicylates in healthy volunteers after ingestion of aspirin in conventional or buffered tablets] Carlini EA, et al. **AMB** 1984 Jan–Feb;30(1–2):14–6 (Eng. Abstr.) **(Por)**
[Anti-aggregating action and clinical effect of small doses of aspirin in the treatment of patients with arterial hypertension and cerebrovascular disorders] Suslina ZA, et al. **Klin Med (Mosk)** 1983 Sep;61(9):51–8 (Eng. Abstr.) **(Rus)**
[Rehabilitation treatment of stroke by endonasal electrophoresis of acetylsalicylic acid and aminalone] Mamiev AK, et al.
Vopr Kurortol Fizioter Lech Fiz Kult 1984 May–Jun; (3):50–1 **(Rus)**
[Effect of the single administration of acetylsalicylic acid and dipyridamole on microcirculation in patients with diabetes mellitus] Gendeleka GF, et al. **Vrach Delo** 1983 Aug; (8):67–70 (Eng. Abstr.) **(Rus)**
[Effect of acetylsalicylic acid and dipyridamole on the microcirculatory state of diabetes mellitus patients based on biomicroscopy and rheography data] Gendeleka GF, et al. **Vrach Delo** 1983 Nov;(11):76–9 (Eng. Abstr.) **(Rus)**
[Acetylsalicylic acid in acute arterial insufficiency. The effect of low doses] Dobrić S, et al. **Vojnosanit Pregl** 1983 Nov–Dec;40(6):415–20 **(Scr)**

ADVERSE EFFECTS

Simulated Reye's syndrome and salicylate therapy. Yoshida I, et al. **Acta Paediatr Scand** 1984 Jul;73(4):562–4
Our experience with acetylsalicylic acid hypersensitivity. Piña J, et al. **Allergol Immunopathol (Madr)** 1984 May–Jun; 12(3):217–23
Aspirin tolerance induced in aspirin–sensitive asthmatics. Kowalski ML, et al. **Allergy** 1984 Apr;39(3):171–8
Salicylate-induced variant angina [letter] Al-Abbasi AH.
Am Heart J 1983 Dec;106(6):1450
Fatal hemorrhage from minor trauma following massive salicylate ingestion. Alberhasky M, et al.
Am J Forensic Med Pathol 1984 Jun;5(2):165–8
Aspirin and recurrent hyphema after blunt ocular trauma. Ganley JP, et al. **Am J Ophthalmol** 1983 Dec;96(6):797–801
Aspirin and recurrent hyphema after blunt ocular trauma [letter] Romano P. **Am J Ophthalmol** 1984 May;97(5):663–4
Anterolateral compartment syndrome related to drug-induced bleeding. A case report. Beall S, et al.
Am J Sports Med 1983 Nov–Dec;11(6):454–5
PHS initiates new study on aspirin–Reye link—but is it really necessary? Murphy DH. **Am Pharm** 1984 Mar; NS24(3):41–5
Aspirin desensitization in aspirin–sensitive asthma: failure to maintain a desensitized state during prolonged therapy [letter] **Am Rev Respir Dis** 1984 Jun;129(6):1031–3
Aspirin desensitization in aspirin–sensitive asthma: failure to maintain a desensitized state during prolonged therapy. Dankner RE, et al. **Am Rev Respir Dis** 1983 Nov; 128(5):953–5
Identification and characterization of neutrophil chemotactic activity in aspirin–induced asthma. Hollingsworth HM, et al. **Am Rev Respir Dis** 1984 Sep;130(3):373–9
Aspirin–induced recurrent urticaria and recurrent angioedema in non–atopic children. Botey J, et al.
Ann Allergy 1984 Sep;53(3):265–7
HLA DR typing of aspirin sensitive asthmatics. Jones DH, et al. **Ann Allergy** 1984 Feb;52(2):87–9
Decreased sensitivity to tartrazine after aspirin desensitization in an asthmatic patient intolerant to both aspirin and tartrazine. Michel O, et al. **Ann Allergy** 1984 May; 52(5):368–70
Effects of chronic aspirin ingestion in aspirin–intolerant asthmatic patients. Naeije N, et al. **Ann Allergy** 1984 Sep; 53(3):262–4
Salicylate hepato toxicity in rheumatic fever. Hamdan JA, et al. **Ann Trop Paediatr** 1983 Jun;3(2):89–91
Effect of aspirin in 'aspirin sensitive' patients. Asad SI, et al. **Br Med J [Clin Res]** 1984 Mar 10;288(6419):745–8
Food hypersensitivity made life threatening by ingestion of aspirin. Cant AJ, et al. **Br Med J [Clin Res]** 1984 Mar 10;288(6419):755–6
Proctocolitis induced by salicylate and associated with asthma and recurrent nasal polyps. Pearson DJ, et al.
Br Med J [Clin Res] 1983 Dec 3;287(6406):1675
Proctocolitis induced by salicylate [letter] Rutherford D, et al. **Br Med J [Clin Res]** 1984 Mar 10;288(6419):794
Asthma, aspirin and leukotrienes. Szczeklik A.
Bull Eur Physiopathol Respir 1983 Nov–Dec;19(6):531–8 **(Eng, Fre)**
ASA and Reye's syndrome: an update [letter] Liston AJ.
Can Med Assoc J 1983 Oct 1;129(7):677
Specific desensitization in 'aspirin–sensitive' urticaria; plasma prostaglandin levels and clinical manifestations. Asad SI, et al. **Clin Allergy** 1983 Sep;13(5):459–66
Salicylate–induced occult gastrointestinal blood loss: comparison between different oral and parenteral forms of acetylsalicylates and salicylates. Mielants H, et al.
Clin Rheumatol 1984 Mar;3(1):47–54
Comparative effects of aspirin and enteric–coated aspirin on loss of chromium 51–labeled erythrocytes from the gastrointestinal tract. Robbins DC, et al. **Clin Ther** 1984; 6(4):461–6
Effect of synthetic prostaglandin E1 analog on aspirin–induced gastric bleeding and secretion. Hunt JN, et al. **Dig Dis Sci** 1983 Oct;28(10):897–902
Protective action of omeprazole, a benzimidazole derivative, on gastric mucosal damage by aspirin and ethanol in rats. Konturek SJ, et al. **Digestion** 1983;27(3):159–64
Aspirin–sensitive asthma and rhinosinusitis: current concepts and recent advances. Lumry WR, et al.
Ear Nose Throat J 1984 Feb;63(2):66, 68–70, 72–4 passim
Prevention of acute aspirin–induced gastric mucosal injury by 15–R–15 methyl prostaglandin E2: an endoscopic study. Gilbert DA, et al. **Gastroenterology** 1984 Feb;86(2):339–45
Analgesic induced asthma. Smith S, et al. **Ir J Med Sci** 1983 Nov;152(11):420–1
Aspirin–sensitive rhinosinusitis asthma: a double–blind crossover study of treatment with aspirin. Stevenson DD, et al. **J Allergy Clin Immunol** 1984 Apr;73(4):500–7
Aspirin idiosyncracy and tolerance [editorial] VanArsdel PP Jr. **J Allergy Clin Immunol** 1984 Apr;73(4):431–4
1,300 mg of aspirin daily [letter] Segal HL.
J Clin Gastroenterol 1983 Dec;5(6):553–4
A controlled endoscopic study comparing the toxic effects of sulindac, naproxen, aspirin, and placebo on the gastric mucosa of health volunteers. Lanza FL, et al.
J Clin Pharmacol 1984 Feb–Mar;24(2–3):89–95
Public awareness of aspirin and sources of aspirin information in a rural Iowa community. Rubin RJ, et al.
J Community Health 1983 Summer;8(4):229–39
Salicylates and post–tonsillectomy haemorrhage. Carrick DG. **J Laryngol Otol** 1984 Aug;98(8):803–5
Enteric–coated aspirin and the problem of gastric retention [letter] Baum J. **J Rheumatol** 1984 Apr;11(2):250–1
Aspirin and postoperative hemorrhage. Prioleau WH Jr, et al. **J SC Med Assoc** 1984 Mar;80(3):107
Reye's syndrome associated with long–term aspirin therapy. Young RS, et al. **JAMA** 1984 Feb 10;251(6):754–6
The combined effect of viruses and drugs in drug–induced diseases. Levy M. **Med Hypotheses** 1984 Jul;14(3):293–6
Role of acetyl salicylic acid and sodium metabisulfite in chronic childhood asthma. Towns SJ, et al. **Pediatrics** 1984 May;73(5):631–7
Comparison of fecal blood loss after use of aspirin and suprofen. Arnold JD, et al. **Pharmacology** 1983;27 Suppl 1:14–22
Aspirin and Reye's syndrome. How strong an association? Orlowski JP. **Postgrad Med** 1984 May;75(6):47–54
Faecal blood loss during administration of acetylsalicylic acid, ketoprofen and two new ketoprofen sustained–release compounds. Ranløv PJ, et al. **Scand J Rheumatol** 1983; 12(3):280–4
[Aspirin–induced asthma and analysis of the aspirin triad in 30 cases] Zhang HY.
Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih 1983 Jun;6(3):146–8 (Eng. Abstr.) **(Chi)**
[Acetylsalicylic acid and Reye's syndrome] Drost RA.
Ned Tijdschr Geneeskd 1983 Aug 20;127(34):1551 **(Dut)**
[Aspirin–induced disease. Attempt at treatment by induction of tolerance] Michel FB, et al.
Bull Acad Natl Med (Paris) 1983 Sep–Oct;167(7):745–53 (Eng. Abstr.) **(Fre)**
[Aspirin and gastroduodenal toxicity. A double–blind endoscopic study of the effects of placebo, aspirin and lysine acetylsalicylate in healthy subjects] Bretagne JF, et al. **Gastroenterol Clin Biol** 1984 Jan;8(1):28–32 (Eng. Abstr.) **(Fre)**
[Peptic lesions of the upper digestive tract and drugs. Prospective study] Gaillard C, et al.
Schweiz Med Wochenschr 1984 Jan 14;114(2):56–7 (Eng. Abstr.) **(Fre)**
[Gastric microhemorrhage and acetylsalicylic acid. Prevention using prostaglandin E2] Kachel G, et al.
Dtsch Med Wochenschr 1983 Jul 29;108(30):1145–7 (Eng. Abstr.) **(Ger)**
[Severe asthma attack in a patient with intrinsic aspirin–sensitive bronchial asthma induced by intravenous administration of steroid] Rott Z. **Orv Hetil** 1984 Jan 29; 125(5):275–7 (Eng. Abstr.) **(Hun)**
[IgE in patients with asthma and hypersensitivity to aspirin] Alam R, et al. **Pneumonol Pol** 1984 Mar;52(3):131–4 (Eng. Abstr.) **(Pol)**
[Ketotifen in the treatment of hypersensitivity to acetylsalicylic acid] Czerniawska–Mysik G.
Pol Tyg Lek 1984 Jan 2;39(1):21–3 **(Pol)**
[Idiosyncrasy to aspirin and leukotrienes] Orea Solano M.
Alergia 1983 Oct;30(4):153–8 (Eng. Abstr.) **(Spa)**
[Is there any connection between Reye's syndrome and acetylsalicylic acid?] Söderman P. **Lakartidningen** 1984 May 16;81(20):2052–3 **(Swe)**

ANALOGS & DERIVATIVES

Chemical feasibility studies concerning potential prodrugs of acetylsalicylic acid. Hansen AB, et al.
Acta Chem Scand [B] 1983;37(4):351–9
Alternative diaspirins for modification of hemoglobin and sickle hemoglobin. Delaney EJ, et al.
Arch Biochem Biophys 1984 Feb 1;228(2):627–38
Studies on benzhydryl derivatives. IV. Synthesis and anti–inflammatory activity of 2–O–(diphenylacetyl)salicylic acids. Takemura S, et al. **Chem Pharm Bull (Tokyo)** 1983 Aug;31(8):2632–8
Formation of cross–linked asymmetrical hybrid hemoglobins by double–headed aspirin. Kikugawa K, et al.
Hemoglobin 1983;7(6):533–53
Antiinflammatory properties of a hydroperoxide compound, structurally related to acetylsalicylic acid. Killackey JJ, et al. **Inflammation** 1984 Jun;8(2):157–69
Hypolipidemic activity of tetrakis–mu–(trimethylamine–boranecarboxylato)–bis(trime e– carboxyborane)–dicopper(II) in rodents and its effect on lipid metabolism. Hall IH, et al. **J Pharm Sci** 1984 Jul; 73(7):973–7
Acylation of hemoglobin by aspirin–like diacyl esters. Massil SE, et al. **J Pharm Sci** 1984 Jul;73(7):1013–4
Is aspirin phenylalanine ethyl ester a prodrug for aspirin? Muhi–Eldeen Z, et al. **J Pharm Sci** 1983 Sep;72(9):1093–6
A simple fluorometric method for the determination of salicylic acid in aluminium acetylsalicylate. Wahbi AM, et al. **Pharm Weekbl [Sci]** 1984 Jun 22;6(3):118–20
Effect of lysine–acetylsalicylate and phenylbutazone premedication on the protein content of secondary aqueous humour in the dog. Regnier A, et al. **Res Vet Sci** 1984 Jul;37(1):26–9
[Evaluation of the analgesic activity of a soluble precursor of aspirin in orthopedic surgery] Letenneur J.
Sem Hop Paris 1984 Apr 5;60(15):1089–91 (Eng. Abstr.) **(Fre)**
[New contributions on extinction tests of essential headache. I. The test with lysine acetylsalicylate] Romiti A, et al. **Boll Soc Ital Biol Sper** 1983 Aug 30;59(8):1130–3 (Eng. Abstr.) **(Ita)**
[The effect of lysine acetylsalicylate on hemorrheological changes induced through ischemic exertion in patients with vascular disease] Vittoria A, et al. **Ric Clin Lab** 1983;13 Suppl 3:315–21 (Eng. Abstr.) **(Ita)**
[Evaluation of the effects of plafibride and lysine acetyl salicylate on the production of PGI2] Lasierra J, et al.
Sangre (Barc) 1983;28(6):687–95 (Eng. Abstr.) **(Spa)**

ANALYSIS

Drug interaction in middle molecule analysis, with special reference to acetylsalicylic acid. Faguer P, et al.
Artif Organs 1984 May;8(2):226–9
Determination of aspirin and salicylic acid in aspirin tablets by second derivative ultraviolet spectrometry. Kitamura K, et al. **Chem Pharm Bull (Tokyo)** 1984 Apr;32(4):1484–90
High–performance liquid chromatographic determination of aspirin and its metabolites in plasma and urine. Bakar SK, et al. **J Pharm Sci** 1983 Sep;72(9):1020–3
Stabilized normal–phase high–performance liquid chromatographic analysis of aspirin and salicylic acid in

solid pharmaceutical dosage forms. Galante RN, et al. **J Pharm Sci** 1984 Feb;73(2):195–7

ANTAGONISTS & INHIBITORS

Protective effect of acetaminophen against aspirin– and ethanol–induced damage to the human gastric mucosa. Stern AI, et al. **Gastroenterology** 1984 Apr;86(4):728–33

The protective effect of deglycyrrhinized liquorice against aspirin and aspirin plus bile acid–induced gastric mucosal damage, and its influence on aspirin absorption in rats. Morgan RJ, et al. **J Pharm Pharmacol** 1983 Sep;35(9):605–7

Prevention of the inhibitory effects of aspirin on sodium transport in canine gastric mucosa by prostaglandin. Correlation with mucosal morphology. Miller TA, et al. **J Surg Res** 1984 Apr;36(4):315–26

Butyl hydroxy toluene antagonizes the gastric toxicity but not the pharmacological activity of acetylsalicylic acid in rats. van Kolfschoten AA, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Mar; 325(3):283–5

Sodium salicylate interferes with the inhibitory effects of aspirin and indomethacin on human platelets. Dahl ML, et al. **Prostaglandins Leukotrienes Med** 1983 Sep;12(1):21–8

Studies on the protective effect of deglycyrrhinised liquorice against aspirin (ASA) and ASA plus bile acid–induced gastric mucosal damage, and ASA absorption in rats. Russell RI, et al. **Scand J Gastroenterol [Suppl]** 1984; 92:97–100

Interaction of salicylate and other non–steroidal anti–inilammatory drugs with aspirin on platelet and vascular cyclo–oxygenase activity. Dejana E, et al. **Thromb Res [Suppl]** 1983;4:153–9 (21 ref.)

[Effects of acetylsalicylic acid on partial functions of human thrombocytes are not inhibited in vivo by salicylic acid] Simrock R, et al. **Klin Wochenschr** 1984 Mar 1;62(5):225–30 (Eng. Abstr.) **(Ger)**

BLOOD

The relative roles of hydrolases of the erythrocyte and other tissues in controlling aspirin survival in vivo. Costello PB, et al. **Arthritis Rheum** 1984 Apr;27(4):422–6

DIAGNOSTIC USE

Effect of prostaglandin synthetase inhibitors on pressor response to angiotensin II in human pregnancy. Everett RB, et al. **J Clin Endocrinol Metab** 1978 Jun;46(6):1007–10

HISTORY

[Debit and credit of a pharmaceutic 'evergreen'] Girstenbrey W. **Fortschr Med** 1983 Jul 28;101(27–28):1294–7 **(Ger)**

IMMUNOLOGY

Effect of the calcium ionophore A23187 and aspirin on histamine release in vitro from leukocytes of aspirin–intolerant donors. Bochner BS, et al. **Int Arch Allergy Appl Immunol** 1984;74(2):104–7

Cross–desensitization between aspirin and benzoate in asthma [letter] Naeije N, et al. **Lancet** 1983 Oct 29;2(8357):1035–6

METABOLISM

Influence of gastrectomy on aspirin absorption [letter] Mineshita S. **Br J Clin Pharmacol** 1983 Dec;16(6):756–7

Placental drug transfer in near–term ewes: acetylsalicylic and salicylic acid. Thiessen JJ, et al. **Can J Physiol Pharmacol** 1984 Apr;62(4):441–5

Availability of salicylate from salsalate and aspirin. Dromgoole SH, et al. **Clin Pharmacol Ther** 1983 Oct; 34(4):539–45

In vitro adsorption of bile salts and aspirin to sucralfate. Graham DY, et al. **Dig Dis Sci** 1984 May;29(5):402–6

Pharmacokinetics of aspirin and salicylate in elderly subjects and in patients with alcoholic liver disease. Roberts MS, et al. **Eur J Clin Pharmacol** 1983;25(2):253–61

Colonic absorption of acetylsalicylic acid in the rat. Meshkinpour H, et al. **Gen Pharmacol** 1984;15(1):55–8

Absorption of acetylsalicylic acid from enteric–coated tablets in relation to gastric emptying and in–vivo disintegration. Bogentoft C, et al. **J Pharm Pharmacol** 1984 May; 36(5):350–1

Limited capacity of jejunal segments to effect glucuronidation and sulphation of aspirin and salicylamide in rats. Iwamoto K, et al. **J Pharm Pharmacol** 1983 Dec; 35(12):821–2

Effect of water deprivation on aspirin disposition kinetics. Bakar SK, et al. **J Pharm Sci** 1983 Sep;72(9):1030–4

Comparative aspirin absorption kinetics after administration of sodium– and potassium–containing buffered solutions. Mason WD. **J Pharm Sci** 1984 Jul;73(7):998–9

Is aspirin phenylalanine ethyl ester a prodrug for aspirin? Muhi–Eldeen Z, et al. **J Pharm Sci** 1983 Sep;72(9):1093–6

Effect of oral 16,16–dimethyl prostaglandin E2 on gastric mucosal salicylate concentration in the rat. Weissenborn U, et al. **Pharmacology** 1984;28(5):275–80

Placental transfer of acetylsalicylic acid (ASA) and salicylic acid (SA) in near–term ewes. Thiessen JJ, et al. **Prog Clin Biol Res** 1983;135:409–11

Comparison of three slow–release acetylsalicylic acid preparations in rheumatoid arthritis. Martio J, et al. **Scand J Rheumatol** 1983;12(3):305–9

Salicylic acid plasma levels following multiple doses of Norgesic Forte and aspirin. Harrison LI, et al. **Ther Drug Monit** 1983;5(4):401–4

[Drug concentrations in blood, synovial fluid, synovial membrane, periarticular bone, muscle and adipose tissue in patients with rheumatoid polyarthritis receiving a single intramuscular injection of ketoprofen or acetylsalicylic acid (3 hours after the injection)] Köhler G, et al. **Sem Hop Paris** 1983 Dec 12;59(46):3210–3 (Eng. Abstr.) **(Fre)**

[Distribution of salicylic acid and hydrolysis of acetylsalicylic acid in the human fetus in early pregnancy] Amon I, et al. **Biomed Biochim Acta** 1983;42(7–8):997–1004 (Eng. Abstr.) **(Ger)**

[HPLC determination of gentisic acid in urine of subjects treated with aspirin] Mamolo MG, et al. **Boll Chim Farm** 1983 Jul;122(7):309–14 (Eng. Abstr.) **(Ita)**

[Comparative pharmacokinetics of salicylic acids administered orally and topically on the skin] Gawrońska–Szklarz B, et al. **Pol Tyg Lek** 1983 Apr 25; 38(17):525–7 (Eng. Abstr.) **(Pol)**

[Research on the availability of oral preparations with aspirin] Verbuţă A, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Apr–Jun;87(2):289–92 (Eng. Abstr.) **(Rum)**

PHARMACODYNAMICS

Platelet activating factor: regulation by mast cells and aspirin. Denburg JA, et al. **Agents Actions** 1984 Feb;14(2):300–5

Effect of dextran and aspirin on platelet adherence after transluminal angioplasty of normal canine coronary arteries. O'Gara PT, et al. **Am J Cardiol** 1984 Jun 1; 53(11):1695–8

Effect of epinephrine on fibrinogen receptor exposure by aspirin–treated platelets and platelets from concentrates in response to ADP and thrombin. Peerschke EI. **Am J Hematol** 1984 May;16(4):335–45

Effect of anionic amphophiles on erythrocyte properties. McMillan DE, et al. **Ann NY Acad Sci** 1983;416:633–41

Aspirin and dipyridamole reduce platelet deposition on prosthetic femoro–popliteal grafts in man. Goldman MD, et al. **Ann Surg** 1983 Dec;198(6):713–6

Aspirin decreases platelet uptake on Dacron vascular grafts in baboons. Mackey WC, et al. **Ann Surg** 1984 Jul; 200(1):93–9

Aspirin increases serum lithium ion levels [letter] Bendz H, et al. **Arch Gen Psychiatry** 1984 Mar;41(3):310–1

Effect of aspirin treatment on the hypotensive effect of clonidine in rats. Twohig B, et al. **Arch Int Pharmacodyn Ther** 1983 Aug;264(2):298–304

The effect of prophylaxis for thrombosis on heterotopic ossification following total hip joint replacement. Eyb R, et al. **Arch Orthop Trauma Surg** 1983;102(2):114–7

Effect of aspirin and salicylate on platelet–vessel wall interactions in rabbits. Buchanan MR, et al. **Arteriosclerosis** 1984 Jul–Aug;4(4):403–6

AspIrin causes in vivo synthesis of type i collagen by atrophic articular cartilage. Gay RE, et al. **Arthritis Rheum** 1983 Oct;26(10):1231–6

Prevention of platelet deposition and thrombus formation on hemodialysis membranes: a double–blind randomized trial of aspirin and dipyridamole. Salter MC, et al. **Artif Organs** 1984 Feb;8(1):57–61

Recovery of megakaryocyte thromboxane production in vitro after aspirin inhibition. Walenga RW, et al. **Biochem Biophys Res Commun** 1984 Mar 30;119(3):982–8

Manipulation of the local thromboxane and prostacyclin balance in vivo by the antithrombotic compounds dazoxiben, acetylsalicylic acid and nafazatrom. Deckmyn H, et al. **Biochem Pharmacol** 1983 Sep 15;32(18):2757–62

Reye's syndrome: salicylates and mitochondrial functions. Martens ME, et al. **Biochem Pharmacol** 1984 Sep 15; 33(18):2869–76

Effects of aspirin and salicylic acid on lecithin–cholesterol acyltransferase and cholesterol content in rat serum. Nakagawa M, et al. **Biochem Pharmacol** 1984 Sep 1; 33(17):2815–7

Isolation and covalent structure of the aspirin–modified, active–site region of prostaglandin synthetase. Roth GJ, et al. **Biochemistry** 1983 Sep 27;22(20):4672–5

Thromboxane production in the pregnant rat: differential recovery by platelets and uterus following aspirin administration. Dubin NH, et al. **Biol Reprod** 1983 Oct; 29(3):743–9

The inhibitory effect of aspirin on lymphatic contractility. Allen JM, et al. **Br J Pharmacol** 1984 Jun;82(2):509–14

The effect of acetylsalicylic acid on renal function in the Pekin duck. Gray DA, et al. **Br J Pharmacol** 1984 Jun; 82(2):329–38

Differential effect of acetylsalicylic acid and dipyrone on prostaglandin production in human fibroblast cultures. Lüthy C, et al. **Br J Pharmacol** 1983 Aug;79(4):849–54

The presynaptic effects of aspirin and prostaglandin E2 in the isolated cat heart. Marques MC, et al. **Braz J Med Biol Res** 1983 Jul;16(2):133–40

The effects of an ASA–like hydroperoxide compound on adenosine diphosphate induced platelet aggregation. Killackey JJ, et al. **Can J Physiol Pharmacol** 1984 Mar; 62(3):338–40

Inhibition by aspirin of N–[4–(5–nitro–2–furyl)–2–thiazolyl] formamide–induced bladder carcinogenesis and enhancement of forestomach carcinogenesis. Murasaki G, et al. **Carcinogenesis** 1984 Jan;5(1):53–5

The effect of aspirin on peripheral haemodynamic changes following submaximal exercise in normal volunteers. Cowley AJ, et al. **Cardiovasc Res** 1984 Aug;18(8):511–3

Activation of platelets by autogenous vein grafts is not prevented by acetylsalicylic acid and dipyridamole. Gershlick AH, et al. **Cardiovasc Res** 1984 Jul;18(7):391–6

Aspirin and dipyridamole inhibition of collagen–induced platelet aggregation and release in cynomolgus monkeys. Wang ZG, et al. **Chin Med J [Engl]** 1984 Jan;97(1):19–23

Quantification of platelet retention in aortocoronary femoral vein bypass graft in dogs treated with dipyridamole and aspirin. Dewanjee MK, et al. **Circulation** 1984 Feb; 69(2):350–6

Differences in arachidonic acid metabolism and effects of aspirin between one– and two–kidney Goldblatt hypertensive rats. Dusting GJ, et al. **Clin Exp Pharmacol Physiol** 1983 May–Jun;10(3):355–60

Etodolac, aspirin, and gastrointestinal microbleeding. Arnold JD, et al. **Clin Pharmacol Ther** 1984 May;35(5):716–21

Selective and nonselective inhibition of thromboxane formation. FitzGerald GA, et al. **Clin Pharmacol Ther** 1984 May;35(5):633–40

Effect of aspirin on the luteal phase of human menstrual cycle. Souka AR, et al. **Contraception** 1984 Feb;29(2):181–8

The effect of salicylates on nonenzymatic glycosylation and thermal stability of collagen in diabetic rats. Yue DK, et al. **Diabetes** 1984 Aug;33(8):745–51

Effect of acetylsalicylic acid on plasma thromboxane B2 and platelet aggregation in man. Nuotto E, et al. **Eur J Clin Pharmacol** 1983;25(3):313–7

Pharmacological interaction between nitroglycerin and aspirin after acute and chronic aspirin treatment of healthy subjects. Rey E, et al. **Eur J Clin Pharmacol** 1983; 25(6):779–82

A comparative study of the effects of aspirin and paracetamol (acetaminophen) on platelet aggregation and bleeding time. Seymour RA, et al. **Eur J Clin Pharmacol** 1984;26(5):567–71

Structural requirements for preventing the aspirin– and the arachidonate–induced inactivation of platelet cyclo–oxygenase: additional evidence for distinct enzymatic sites. Rotilio D, et al. **Eur J Pharmacol** 1984 Jan 27;97(3–4):197–208

Model system to study interaction of platelets with damaged arterial wall. I. Inhibition of platelet adhesion to subendothelium by aspirin and dipyridamole. Silver MJ, et al. **Exp Mol Pathol** 1984 Aug;41(1):141–52

A new method for quantitation of ion fluxes across in vivo human gastric mucosa: effect of aspirin, acetaminophen, ethanol, and hyperosmolar solutions. Stern AI, et al. **Gastroenterology** 1984 Jan;86(1):60–70

Adsorption, distribution and elimination of chloroquine in the presence of aspirin when administered into rabbits. Adelusi SA. **Gen Pharmacol** 1984;15(3):259–61

Interaction between frusemide and aspirin. Oyekan AO, et al. **Gen Pharmacol** 1984;15(2):163–6

Effect of 16,16 dimethyl prostaglandin E2 on aspirin induced damage to rat gastric epithelial cells in tissue culture. Terano A, et al. **Gut** 1984 Jan;25(1):19–25

Fibrinolytic activity after administration of diflunisal and aspirin. A double–blind, randomized, placebo–controlled clinical trial. Green D, et al. **Haemostasis** 1983;13(6):394–8

Platelet aggregation in arterioles of the hamster cheek pouch and in heart transplants: its tissue–dependent influencibility by acetylsalicylic acid and nafazatrom. Herrmann KS, et al. **Haemostasis** 1984;14(3):281–7

Effects of acetylsalicylic acid on platelet aggregation before and during increase in dietary eicosapentaenoic acid. Thorngren M, et al. **Haemostasis** 1983;13(4):244–7

Quantification of blood from skin bleeding time determinations: effects of fish diet or acetylsalicylic acid. Thorngren M, et al. **Haemostasis** 1983;13(5):282–7

Effects of cyclooxygenase inhibitors on plasma and urinary kallikrein. Schor N, et al. **Hypertension** 1983 Nov–Dec;5(6 Pt 3):V48–52

Comparative study on the effects of acetylsalicylic acid, indomethacin and paracetamol on metabolites of arachidonic acid in plasma, serum and urine in man. Seppälä E, et al. **Int J Clin Pharmacol Res** 1983;3(4):265–9

The effect of acetylsalicylic acid and diclofenac on stimulated growth hormone and prolactin secretion in humans. Caviezel F, et al. **Int J Clin Pharmacol Ther Toxicol** 1983 Oct;21(10):502–4

Role of propranolol and aspirin in decreasing platelet aggregation in occlusive cerebrovascular diseases. Gupta MC, et al. **J Assoc Physicians India** 1983 Sep;31(9):565–7

Effect of aspirin on renal function and the prostaglandin–kallikrein systems early after myocardial infarction. Lijnen P, et al. **J Cardiovasc Pharmacol** 1984 May–Jun;6(3):455–9

Influence of aspirin on the hemodynamic effects of sublingual nitroglycerin. Weber S, et al. **J Cardiovasc Pharmacol** 1983 Sep–Oct;5(5):874–7

Aspirin causes tissue insensitivity to insulin in normal man. Newman WP, et al. **J Clin Endocrinol Metab** 1983 Dec; 57(6):1102–6

Aspirin inhibits vascular plasminogen activator activity in vivo. Studies utilizing a new assay to quantify plasminogen activator activity. Levin RI, et al. **J Clin Invest** 1984 Aug; 74(2):571–80

Effects of oral aspirin and oxaprozin on the development of lupus–like disease in MRL/1 mice. Carlson RP, et al. **J Immunopharmacol** 1984;6(1–2):69–78

Cyclical abnormalities in the bactericidal function, superoxide production, and lysozyme activity of neutrophils obtained from a healthy woman during menstruation: reversal by pretreatment with aspirin. Berger EM, et al. **J Infect Dis** 1984 Mar;149(3):413–9

Plasma levels of salicylate and aspirin in healthy volunteers: relevance to drug interaction on platelet function. Cerletti C, et al. **J Lab Clin Med** 1984 Jun;103(6):869–77

Aspirin and folate binding: in vivo and in vitro studies of serum binding and urinary excretion of endogenous folate. Lawrence VA, et al. **J Lab Clin Med** 1984 Jun;103(6):944–8

Effects of the anti-inflammatory agents indomethacin, metiamide and acetylsalicylic acid on the induction of hyperplasia in hamster cheek-pouch epithelium and ear epidermis. Harris RR, et al. **J Oral Pathol** 1984 Apr; 13(2):128–36

Suppression of laxative action of phenolphthalein by orally-administered indomethacin or aspirin. Capasso F, et al. **J Pharm Pharmacol** 1984 Feb;36(2):132–3

Pretreatment with aspirin does not influence the pressor response to alpha 2-adrenoceptor agonists in conscious rabbits. Hannah JA, et al. **J Pharm Pharmacol** 1984 Jun; 36(6):417–8

Reduction of platelet deposition on vascular grafts using an antiplatelet graft coating technique. Allen BT, et al. **J Surg Res** 1984 Jan;36(1):80–8

Sex difference in the inhibitory effect of aspirin on prostacyclin production of rat aortae. Morikawa M, et al. **Jpn J Pharmacol** 1984 May;35(1):1–7

Modification of angiotensin II-induced relaxation by dipyridamole, phthalazinol and aspirin in isolated dog renal arteries. Toda N, et al. **Jpn J Pharmacol** 1983 Oct; 33(5):1027–34

Improved aortocoronary bypass patency by low-dose aspirin (100 mg daily). Effects on platelet aggregation and thromboxane formation. Lorenz RL, et al. **Lancet** 1984 Jun 9;1(8389):1261–4

Aspirin: additional mechanisms of action [letter] McDonald-Gibson WJ, et al. **Lancet** 1984 May 26; 1(8387):1180

The effect of nicotine pretreatment on the gastric mucosal damage induced by aspirin and reserpine in rats. Ageel AM, et al. **Life Sci** 1984 Feb 20;34(8):751–6

The effects of aspirin and dimethyl sulphoxide on the latency of lysosomes in a cell-free system. Zodrow J, et al. **Life Sci** 1984 May 14;34(20):1967–75

Aspirin: a drug with a broad spectrum of action. Krantz JC Jr. **Md State Med J** 1981 Apr;30(4):70

Effect of aspirin on mitochondrial mutagens in Saccharomyces cerevisiae. Bruce IJ, et al. **MGG** 1984; 194(1–2):299–302

Quantitative ultrastructural analyses of rabbit osteoclasts. The effect of in vivo treatment with sodium salicylate. Kusakabe A, et al. **Nippon Seikeigeka Gakkai Zasshi** 1984 Mar; 58(3):349–60

Effects of transcutaneous electrical nerve stimulation and aspirin on late somatosensory evoked potentials in normal subjects. Ashton H, et al. **Pain** 1984 Apr;18(4):377–86

Inhibition of arterial PGI2 generation and platelet aggregation by aspirin in rabbits ex vivo. Basista M. **Pol J Pharmacol Pharm** 1982 Nov-Dec;34(5–6):317–21

Dose-related effect of acetylsalicylic acid on replication of varicella zoster virus in vitro. Walz-Cicconi MA, et al. **Proc Natl Acad Sci USA** 1984 Aug;81(16):5223–6

Influence of treatment with prostaglandin synthesis inhibitor or progesterone on cytotoxic activity and progesterone binding capacity of lymphocytes during pregnancy. Szekeres-Bartho J, et al. **Prostaglandins** 1983 Aug; 26(2):187–95

Salicylate does not interfere with aspirin in human blood in vivo. Dahl ML, et al. **Prostaglandins Leukotrienes Med** 1984 Feb;13(2):169–70

Recovery of cyclooxygenase activity after aspirin in populations of platelets separated on stractan density gradients. McDonald JW, et al. **Prostaglandins Leukotrienes Med** 1983 Nov;12(3):245–52

Sensitivity of rabbit platelet and aortic cyclooxygenase to inhibition by aspirin. McDonald JW, et al. **Prostaglandins Leukotrienes Med** 1983 Nov;12(3):235–44

The effect of acetylsalicylate on aggregation and arachidonate metabolism by human platelets suspended in plasma or buffer. McDonald-Gibson WJ, et al. **Prostaglandins Leukotrienes Med** 1984 Jul;15(1):1–14

Salicylate:aspirin ratios: relevance to aspirin's antithrombotic action. Philp RB, et al. **Prostaglandins Leukotrienes Med** 1984 May;14(2):287–8

Effects of aspirin dosage and time of administration on arterial prostacyclin production and platelet aggregation in rats. Philp RB, et al. **Prostaglandins Leukotrienes Med** 1984 Jul;15(1):91–102

Maternal aspirin administration inhibits pulmonary arachidonic acid metabolism in fetal rabbits. Simberg N. **Prostaglandins Leukotrienes Med** 1984 Mar;13(3):323–33

A comparison of the effects of vitamin B12 and aspirin in three experimental pain models in rats and mice. Eschalier A, et al. **Psychopharmacology (Berlin)** 1983;81(3):228–31

Prostaglandins and angioplasty. An experimental study in canine arteries. Zollikofer CL, et al. **Radiology** 1983 Dec; 149(3):681–5

Acetyl salicylic acid-induced gastric mucosal lesions: no role of gastric glutathione. Ghanayem BI, et al. **Res Commun Chem Pathol Pharmacol** 1984 Jul;45(1):153–6

The effects of aspirin and OKY-1581 on the metabolism of exogenous arachidonic acid in rat alveolar macrophages. Punnonen K, et al. **Res Commun Chem Pathol Pharmacol** 1984 Jun; 44(3):367–74

Prostaglandins and vagal stimulation of gastric secretion in duodenal ulcer patients. Konturek SJ, et al. **Scand J Gastroenterol** 1983 Jan;18(1):43–7

Effect of acetylsalicylic acid on the constituents of the gastric mucosal barrier. Sarosiek J, et al. **Scand J Gastroenterol** 1984 Mar;19(2):150–3

The effect of acetylsalicylic acid in 3 different formulations on in vitro and in vivo platelet function tests. An experimental study on healthy male volunteers. Kutti J, et al. **Scand J Haematol** 1984 Apr;32(4):379–84

Effect of aspirin on epithelial cell membrane potentials of gastric fundic mucosa. Cheung LY, et al. **Surgery** 1984 Aug;96(2):171–8

Intimal thickening in autogenous vein grafts in rabbits: influence of aspirin and dipyridamole. Murday AJ, et al. **Thorax** 1984 Jun;39(6):457–61

The inability of propranolol and aspirin to inhibit the response of fibrinolytic activity and factor VIII-antigen to infusion of DDAVP. Brommer EJ, et al. **Thromb Haemost** 1984 Feb 28;51(1):42–4

The effect of a thromboxane synthetase inhibitor, dazoxiben, and acetylsalicylic acid on platelet function and prostaglandin metabolism. Dale J, et al. **Thromb Haemost** 1983 Oct 31;50(3):703–6

The effect of two low doses of aspirin on whole blood thromboxane and prostacyclin generation in healthy subjects. Davì G, et al. **Thromb Haemost** 1983 Oct 31; 50(3):669–70

The effect of thrombin on platelet accumulation on the vessel wall – influence of heparin and aspirin. Dejana E, et al. **Thromb Haemost** 1983 Aug 30;50(2):567–71

A sex difference in the effect of aspirin on 'spontaneous' platelet aggregation in whole blood. Harrison MJ, et al. **Thromb Haemost** 1983 Dec 30;50(4):773–4

Effects of acetylsalicylic acid on human platelet function in vivo at salicylate steady state. Simrock R, et al. **Thromb Haemost** 1984 Apr 30;51(2):269–71

Effect of high doses of aspirin and salicylate on bleeding time in rats. Buczko W, et al. **Thromb Res** 1983 Dec 15; 32(6):631–4

A study of the bioavailability and platelet inhibitory effects of a new enteric-coated acetylsalicylic acid preparation. Kelton JG, et al. **Thromb Res** 1984 Jun 15;34(6):561–6

The effect of aspirin on the size of the hemostatic plug. Kelton JG, et al. **Thromb Res** 1983 Nov 1;32(3):267–73

The effect of aspirin on the pharmacokinetics of sulfinpyrazone in man. Buchanan MR, et al. **Thromb Res [Suppl]** 1983;4:145–52

Mechanisms of action: aspirin. Hoak JC. **Thromb Res [Suppl]** 1983;4:47–51 (17 ref.)

Dipyridamole disposition after chronic administration: effect of aspirin. Rosenfeld J, et al. **Thromb Res [Suppl]** 1983; 4:137–43

Aspirin: plasma concentration and effects. Thiessen JJ. **Thromb Res [Suppl]** 1983;4:105–11 (20 ref.)

Protection against paracetamol-induced hepatotoxicity by acetylsalicylic acid in rats. De Vries J, et al. **Toxicology** 1984 Apr 16;30(4):297–304

[Effect of aspirin and dipyridamole on platelet functions in Macaca fascicularis] Wang ZG, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1983 Aug; 5(4):240–5 (Eng. Abstr.) **(Chi)**

[The effect of antithrombocyte drugs on the patency of aortocoronary bypass] Pirk J, et al. **Cas Lek Cesk** 1984 May 25;123(21):646–8 (Eng. Abstr.) **(Cze)**

[Platelet antiaggregants and bleeding time lengthening: management in the preoperative period] Thébault JJ, et al. **Agressologie** 1983 Dec;24(12):609–11 (Eng. Abstr.) **(Fre)**

[Ketoprofen-aspirin interaction] Pawlotsky Y, et al. **Sem Hop Paris** 1983 Dec 12;59(46):3218–20 (Eng. Abstr.) **(Fre)**

[Measurement of the gastric potential difference induced by aspirin. A model for the pharmacologic study of gastric protectants in man] Isal JP, et al. **Therapie** 1984 Jan-Feb; 39(1):7–11 (Eng. Abstr.) **(Fre)**

[Response of isolated coronary artery segments to serotonin in the presence of a flavinoid, indomethacin and acetylsalicylate] Bettini V, et al. **Boll Soc Ital Biol Sper** 1983 Aug 30;59(8):1064–9 (Eng. Abstr.) **(Ita)**

[Effect of acetylsalicylic acid on sulfalene and sulfadimethoxine binding by serum proteins and on their kinetics in rabbits] Bobrov VI, et al. **Antibiotiki** 1984 Mar; 29(3):220–3 (Eng. Abstr.) **(Rus)**

[Experimental study of the interaction of nonsteroidal anti-inflammatory agents—voltaren and acetylsalicylic acid—with beta-adrenoblockers] Siubaev RD, et al. **Biull Eksp Biol Med** 1984 Jul;97(7):48–51 (Eng. Abstr.) **(Rus)**

[Mechanisms of interaction of acetylsalicylic acid and indomethacin with endoperoxide prostaglandin synthetase] Muratov VK, et al. **Farmakol Toksikol** 1983 Sep-Oct; 46(5):44–8 (Eng. Abstr.) **(Rus)**

[Aspirin, anti- or prothrombogenic drug?] Baluda VP, et al. **Klin Med (Mosk)** 1983 Sep;61(9):27–9 (23 ref.) **(Rus)**

[Activity of eterilate, benorylate and acetylsalicylic acid on blood glucose in normal and experimentally diabetic rats] Alonso S, et al. **Arch Farmacol Toxicol** 1983 Aug; 9(2):183–90 (Eng. Abstr.) **(Spa)**

[Changes in water, glucose, and electrolyte transport in the rat intestine 'in vivo' after intraluminal injection of loperamide and aspirin] Dueñas Laita A, et al. **Rev Esp Enferm Apar Dig** 1983 Sep;64(3):165–9 (Eng. Abstr.) **(Spa)**

POISONING

Self-poisoning with enteric-coated aspirin. Kwong TC, et al. **Am J Clin Pathol** 1983 Dec;80(6):888–90

Complete recovery after profound acidosis (pH 6.49). Khan MI, et al. **Arch Dis Child** 1984 Jun;59(6):573–4

Efficacy of ipecac and activated charcoal/cathartic. Prevention of salicylate absorption in a simulated overdose. Curtis RA, et al. **Arch Intern Med** 1984 Jan;144(1):48–52

High frequency jet ventilation and aspirin poisoning. Campbell WI, et al. **Ulster Med J** 1984;53(1):80–3

Methyl salicylate/aspirin (salicylate) equivalence: who do you trust? Johnson PN, et al. **Vet Hum Toxicol** 1984 Aug; 26(4):317–8

Hypocalcemia complicating bicarbonate therapy for salicylate poisoning. Fox GN. **West J Med** 1984 Jul; 141(1):108–9

THERAPEUTIC USE

Piroxicam, acetylsalicylic acid and placebo for postoperative pain. Breivik H, et al. **Acta Anaesthesiol Scand** 1984 Feb; 28(1):37–9

Comparative therapeutic benefit of indomethacin, hydrochlorothiazide, and acetyl-salicylic acid in a patient with nephrogenic diabetes insipidus. Vierhapper H, et al. **Acta Endocrinol (Copenh)** 1984 Jul;106(3):311–6

Treatment of sickle cell diseases with aspirin. Zago MA, et al. **Acta Haematol (Basel)** 1984;72(1):61–4

A comparative study between indobufen and acetylsalicylic acid on beta-thromboglobulin, platelet factor 4 and platelet aggregation in patients with transient ischemic attacks. Orefice G, et al. **Acta Neurol (Napoli)** 1984 Apr;6(2):97–103

Effect of etodolac on articular and bone pathology associated with adjuvant arthritis in rats: a comparison with aspirin and naproxen. Martel RR, et al. **Agents Actions** 1984 Feb; 14(2):257–64

Effect of antiplatelet therapy on restenosis after experimental angioplasty. Faxon DP, et al. **Am J Cardiol** 1984 Jun 15; 53(12):72C–76C

Effects of a selective thromboxane synthetase inhibitor, dazoxiben, and of acetylsalicylic acid on myocardial ischemia in patients with coronary artery disease. Thaulow E, et al. **Am J Cardiol** 1984 May 1;53(9):1255–8

Prevention of thromboembolism using aspirin after mitral valve replacement with porcine bioprosthesis. Nuñez L, et al. **Ann Thorac Surg** 1984 Jan;37(1):84–7

Treatment choice in acute rheumatic carditis. Human DG, et al. **Arch Dis Child** 1984 May;59(5):410–3

Separate and combined use of verapamil, aspirin and captopril in experimental chronic pulmonary hypertension. Kentera D, et al. **Basic Res Cardiol** 1984 May-Jun; 79(3):375–8

Low-dose acetylsalicylic acid (100 mg/day) after aortocoronary bypass surgery: a placebo-controlled trial. Meister W, et al. **Br J Clin Pharmacol** 1984 Jun; 17(6):703–11

Aspirin metabolism and efficacy in postoperative dental pain. Seymour RA, et al. **Br J Clin Pharmacol** 1984 Jun; 17(6):697–701

The effects of acetylsalicylic acid on swelling, pain and other events after surgery. Skjelbred P. **Br J Clin Pharmacol** 1984 Apr;17(4):379–84

A comparison of two analgesic muscle relaxant combinations in acute back pain. Middleton RS. **Br J Clin Pract** 1984 Mar;38(3):107–9

The pain suppressive effect of vibratory stimulation and transcutaneous electrical nerve stimulation (TENS) as compared to aspirin. Lundeberg T. **Brain Res** 1984 Mar 5;294(2):201–9

Role of platelet-active drugs in coronary artery disease. Sherry S. **Cardiovasc Clin** 1983;14(1):173–89 (57 ref.)

Effervescent metoclopramide and aspirin (Migravess) versus effervescent aspirin or placebo for migraine attacks: a double-blind study. Tfelt-Hansen P, et al. **Cephalalgia** 1984 Jun;4(2):107–11

Coumadin and aspirin in prevention of recurrence after transluminal coronary angioplasty: a randomized study. Thornton MA, et al. **Circulation** 1984 Apr;69(4):721–7

Effects of indomethacin, sulindac, naproxen, aspirin, and paracetamol in treated hypertensive patients. Chalmers JP, et al. **Clin Exp Hypertens [A]** 1984;6(6):1077–93

Codeine and aspirin analgesia in postpartum uterine cramps: qualitative aspects of quantitative assessments. Bloomfield SS, et al. **Clin Pharmacol Ther** 1983 Oct;34(4):488–95

Etodolac, aspirin, and placebo in patients with degenerative joint disease: a twelve-week study. Andelman SY. **Clin Ther** 1983;5(6):651–61

Nonprescription analgesics. Hanks GW. **Clin Ther** 1983;5 Suppl B:1–50 (396 ref.)

Pharmacologic treatment of juvenile arthritis. Baum J. **Compr Ther** 1983 Sep;9(9):8–13

The argument for aspirin as the NSAID of choice in the management of rheumatoid arthritis. Hadler NM. **Drug Intell Clin Pharm** 1984 Jan;18(1):34–8

Injectable ketoprofen vs. acetylsalicylic acid for the relief of severe cancer pain: a double-blind, crossover trial. Sacchetti G, et al. **Drug Intell Clin Pharm** 1984 May; 18(5):403–6

Aspirin in the prevention of myocardial infarction. Current status. Elwood PC. **Drugs** 1984 Jul;28(1):1–5

MI: recent insights—and new treatments? Zoler ML. **Geriatrics** 1984 May;39(5):123, 128, 133 passim

Prostacyclin and thromboxane in ovarian cancer: effect of cytostatics and prostaglandin synthesis inhibitors. Ylikorkala O, et al. **Gynecol Oncol** 1983 Dec;16(3):340–5

Ibuprofen versus aspirin and placebo in the treatment of muscle contraction headache. Diamond S. **Headache** 1983 Sep;23(5):206–10

Plasma thromboglobulin and platelet aggregation index in transient ischaemic attack: effect of aspirin and dipyridamole therapy. Aushri Z, et al. **Int J Clin Pharmacol Res** 1983;3(5):339–42

Control of metastases in the Nb rat prostatic adenocarcinoma model. Drago JR, et al. **J Androl** 1984 Jul–Aug;5(4):265–8

The relative analgesic efficacy of propiram fumarate, codeine, aspirin, and placebo in post-impaction dental pain. Desjardins PJ, et al. **J Clin Pharmacol** 1984 Jan;24(1):35–42

Long-term therapy for the pain of osteoarthritis: a comparison of zomepirac sodium and aspirin. Honig S. **J Clin Pharmacol** 1983 Nov–Dec;23(11–12):494–504

A comparative study of benzydamine hydrochloride 0.15% w/v ('Difflam' Oral Rinse) and acetyl salicylic acid as analgesics following tonsillectomy. Irwin BC, et al. **J Int Med Res** 1984;12(3):216–8

Naproxen sodium vs. a combination of aspirin, phenacetin, caffeine and codeine phosphate for pain after major gynecologic surgery. A multicenter comparison. Buttram VC Jr, et al. **J Reprod Med** 1984 Mar;29(3):189–92

Aspirin and prostacyclin treatment of diabetic dogs. Waitzman MB, et al. **Metab Pediatr Syst Ophthalmol** 1983; 7(3):153–8

The role of pharmacotherapy in secondary prevention of myocardial infarction and death. Gorlin R, et al. **Mt Sinai J Med (NY)** 1984 Jun;51(3):229–36

The aspirin dilemma revisited [letter] **N Engl J Med** 1984 May 17;310(20):1326–7

Aspirin and the risk of myocardial infarction [letter] **N Engl J Med** 1984 Jan 12;310(2):122–3

Effect of dipyridamole and aspirin on late vein-graft patency after coronary bypass operations. Chesebro JH, et al. **N Engl J Med** 1984 Jan 26;310(4):209–14

Membranoproliferative glomerulonephritis. A prospective clinical trial of platelet-inhibitor therapy. Donadio JV Jr, et al. **N Engl J Med** 1984 May 31;310(22):1421–6

Aspirin as an antithrombotic medication. Marcus AJ. **N Engl J Med** 1983 Dec 15;309(24):1515–7

Dipyridamole and aspirin and patency of coronary bypass grafts [letter] von Schacky C. **N Engl J Med** 1984 Jun 7;310(23):1533–4

Double-blind evaluation of suprofen and aspirin in the treatment of periodontal pain. Cooper SA, et al. **Pharmacology** 1983;27 Suppl 1:23–30

Multiple-dose comparison of suprofen, aspirin, and placebo in the treatment of musculoskeletal pain. Silberman HM. **Pharmacology** 1983;27 Suppl 1:65–73

Oral analgesic efficacy of suprofen compared to aspirin, aspirin plus codeine, and placebo in patients with postoperative dental pain. Sunshine A, et al. **Pharmacology** 1983;27 Suppl 1:31–40

Long-term clinical evaluation of suprofen and aspirin in patients with osteoarthritis. Willkens RF. **Pharmacology** 1983;27 Suppl 1:48–54

Diflunisal 500–750 mg versus aspirin 2600–3900 mg in the treatment of rheumatoid arthritis. Turner RA, et al. **Pharmacotherapy** 1984 May–Jun;4(3):151–7

Naproxen and aspirin in acute musculoskeletal disorders: a double-blind, parallel study in patients with sports injuries. Andersen LA, et al. **Pharmatherapeutica** 1984;3(8):531–7

Aspirin inhibition of platelet deposition at angioplasty sites: demonstration by platelet scintigraphy. Cunningham DA, et al. **Radiology** 1984 May;151(2):487–90

A randomized clinical trial of pentoxifylline and antiaggregants in recent transient ischemic attacks (TIA). A one year follow-up. Herskovits E, et al. **Ric Clin Lab** 1981;11 Suppl 1:257–64

Special therapeutical aspects of cerebrovascular disease. Lechner H, et al. **Ric Clin Lab** 1981;11 Suppl 1:247–51

Antiplatelet drugs after acute myocardial infarction [editorial] Mannucci PM. **Ric Clin Lab** 1984 Jan–Mar; 14(1):1–7

Prolongation of bleeding time and inhibition of platelet aggregation by low-dose acetylsalicylic acid in patients with cerebrovascular disease. Boysen G, et al. **Stroke** 1984 Mar–Apr;15(2):241–3

Treatment after transient ischemic attacks: a comparison between anticoagulant drug and inhibition of platelet aggregation. Gårde A, et al. **Stroke** 1983 Sep–Oct; 14(5):677–81

Effect of aspirin and dipyridamole on the patency of lower extremity bypass grafts. Kohler TR, et al. **Surgery** 1984 Sep;96(3):462–6

Effects of ticlopidine and aspirin on endotoxin-induced disseminated intravascular coagulation in rats [letter] Paris J. **Thromb Haemost** 1983 Dec 30;50(4):894–5

[Intimal hyperplasia in aorta adjacent to small diameter Gore-Tex graft in monkey and its reduction by antiplatelet therapy] Wang ZG, et al. **Chung Hua Wai Ko Tsa Chih** 1983 Dec;21(12):705–8 (Eng. Abstr.) (Chi)

[Problems with fever in children] Holý J. **Cas Lek Cesk** 1983 Jul 8;122(27):864 (Cze)

[Untreated Peyronie's disease] Lyngdorf P, et al. **Ugeskr Laeger** 1983 Nov 7;145(45):3489–91 (Eng. Abstr.) (Dan)

[Acetylsalicylic acid or paracetamol?] Simonsen K, et al. **Ugeskr Laeger** 1983 Jul 25;145(30):2322–6 (Dan)

[Critical approach to a therapeutic trial in secondary prevention of cerebral ischemic accidents by antiaggregants] Guiraud-Chaumeil B. **Presse Med** 1983 Dec 29;12(48):3045–8 (Fre)

[Controlled study of the analgesic efficacy of 2 drugs: tiapride versus aspirin] Clavel M, et al. **Sem Hop Paris** 1984 Feb 16;60(8):565–7 (Eng. Abstr.) (Fre)

[Low-dose acetylsalicylic acid (100 mg/day) following aortocoronary bypass operation] Weber M, et al. **Klin Wochenschr** 1984 May 15;62(10):458–64 (Eng. Abstr.) (Ger)

[Acetylsalicylic acid: newly-recognized facts] **Med Monatsschr Pharm** 1984 Feb;7(2):33–4 (Ger)

[Prevention of vascular complications in polycythemia vera and primary thrombocythemia treated with low doses of acetylsalicylic acid] Fröhli P, et al. **Schweiz Med Wochenschr** 1983 Nov 5;113(44):1622–7 (Eng. Abstr.) (Ger)

[Clinical value of thrombocyte aggregation inhibitors during massive-dose estrogen therapy] Heinz A, et al. **Urologe [Ausg A]** 1984 May;23(3):178–80 (Eng. Abstr.) (Ger)

[Therapy of Kawasaki disease in the acute phase: steroid and aspirin therapy] Kato H, et al. **Nippon Rinsho** 1983 Sep; 41(9):2092–6 (Jpn)

[Non-steroidal antiinflammatory agents—mechanisms of action] Wojtecka-Lukasik E, et al. **Acta Physiol Pol** 1983; 34 Suppl 25:19–35 (Pol)

[Use of calciparin, curantyl and polopirin S in the treatment of retinal vein thrombosis] Karczewiczowa D, et al. **Klin Oczna** 1984 Mar;86(3):129–30 (Eng. Abstr.) (Pol)

[Non-steroid inflammatory drugs in the prevention of myocardial infarction] Basista M, et al. **Pol Tyg Lek** 1983 Dec 19–26;38(51–52):1645–8 (Eng. Abstr.) (Pol)

[Results of ambulatory follow-up of patients after myocardial infarction treated with platelet aggregation inhibitors and antithrombotic drugs] Markiewicz M, et al. **Pol Tyg Lek** 1983 Nov 28;38(48):1501–3 (Eng. Abstr.) (Pol)

[Role of leukocytes and thrombocytes in lung damage in hemorrhagic shock. Protective effect of aspirin and dipyridamole] Zeliak VI. **Patol Fiziol Eksp Ter** 1983 Nov–Dec;(6):5–8 (Eng. Abstr.) (Rus)

[Comparative effectiveness of acetylsalicylic acid, naprosyn and their combinations with prednisolone in the treatment of inactive rheumatism] Gritsiuk AI, et al. **Vrach Delo** 1984 Mar;(3):62–5 (Eng. Abstr.) (Rus)

[How useful has anti-aggregation therapy proven to be today?] Francetić I. **Liječ Vjesn** 1983 Jul–Aug; 105(7–8):323–4 (Scr)

[Clinical evolution of rheumatic carditis treated with aspirin] Maroto Alvaro E, et al. **An Esp Pediatr** 1983 Jun; 18(6):467–73 (Eng. Abstr.) (Spa)

[Antiaggregant drugs in traumatic shock lung. Experimental study] López Pastor A, et al. **Rev Clin Esp** 1984 Apr 15; 173(1):31–6 (Eng. Abstr.) (Spa)

[Platelet anti-aggregants as a treatment for thrombotic thrombocytopenic purpura. Apropos of a case] Ortiz Monzó F, et al. **Rev Clin Esp** 1983 May 31;169(4):279–81 (Spa)

[Combination therapy with prednisone, chlorambucil, dipyridamole and aspirin in various glomerular diseases. Experience with 33 patients] Plaza de los Reyes M, et al. **Rev Med Chil** 1983 Apr;111(4):425–30 (Eng. Abstr.) (Spa)

TOXICITY

Endoscopic studies of gastric and duodenal injury after the use of ibuprofen, aspirin, and other nonsteroidal anti-inflammatory agents. Lanza FL. **Am J Med** 1984 Jul 13;77(1A):19–24

Comparative study of gastrointestinal microbleeding caused by aspirin, fenbufen, and placebo. Lussier A, et al. **Am J Med** 1983 Oct 31;75(4B):80–3

A platelet release defect induced by aspirin or penicillin G does not increase gastrointestinal blood loss in thrombocytopenic rabbits. Giles AR, et al. **Br J Haematol** 1984 May;57(1):17–23

Relationship between lesion formation and permeability of rat gastric mucosa to H+ and other cations. Bunce KT, et al. **Br J Pharmacol** 1982 Feb;75(2):325–31

Effect of aspirin on N-[4-(5-nitro-2-furyl)-2-thiazolyl]-formamide-induced epithelial proliferation in the urinary bladder and forestomach of the rat. Hasegawa R, et al. **Cancer Lett** 1984 Jan;21(3):269–75

Prostaglandin cytoprotection. Prostaglandin does not protect against aspirin- or alcohol-induced red blood cell hemolysis. Guth PH, et al. **Dig Dis Sci** 1983 Oct; 28(10):903–7

Effects of sodium chloride, saccharin, phenobarbital and aspirin on gastric carcinogenesis in rats after initiation with N-methyl-N'-nitro-N-nitrosoguanidine. Takahashi M, et al. **Gann** 1984 Jun;75(6):494–501

Acute gastric microbleeding after aspirin ingestion, compared with a similar dose of fenbufen by measurement of haemoglobin in gastric aspirates. Collins AJ, et al. **J Pharm Pharmacol** 1983 Sep;35(9):610–2

Comparison of aspirin and copper aspirinate with respect to gastric mucosal damage in the rat. Alich AA, et al. **J Pharm Sci** 1983 Dec;72(12):1457–61

Effect of prostaglandins on mucosal blood flow and aspirin-induced damage in the canine stomach. Inatomi N, et al. **Jpn J Pharmacol** 1983 Dec;33(6):1263–70

Effect of geranylgeranylacetone on aspirin-induced changes in gastric glycoproteins. Oketani K, et al. **Jpn J Pharmacol** 1983 Jun;33(3):593–601

Canine gastric ulcer produced by hemorrhagic shock and aspirin. Casalnuovo CA, et al. **Scand J Gastroenterol** 1984 Jun;19(4):487–91

Age-related susceptibility to aspirin-induced nephrotoxicity in female rats. Owen RA, et al. **Toxicol Lett** 1983 Aug; 18(1–2):167–70

Combined ulcerogenic effect of ethanol and acetylsalicylic acid on the gastric mucosa of the rat. Hirvonen J, et al. **Z Rechtsmed** 1983;90(4):239–46

[Relationship between the placental-fetal index (PFI) and the toxic and teratogenic effect in the fetuses of mothers treated with sedalgin during pregnancy] Todorov S. **Eksp Med Morfol** 1983;22(1):39–43 (Eng. Abstr.) (Bul)

URINE

[Estimation of drug-metabolizing enzyme activities by measuring urinary metabolites of aspirin] Akasaka S, et al. **Sangyo Igaku** 1983 Sep;25(5):399–405 (Eng. Abstr.) (Jpn)

ASSERTIVENESS

Assertion training with adolescents. Waksman SA. **Adolescence** 1984 Spring;19(73):123–30

A controlled evaluation of assertion training with adolescents. Waksman SA. **Adolescence** 1984 Summer; 19(74):277–82

Assessing subjective responses to assertive behavior. Data from patient samples. Keane TM, et al. **Behav Modif** 1983 Jul;7(3):317–30

Assertion training: the effectiveness of a comprehensive cognitive-behavioral treatment package with professional nurses. McIntyre TJ, et al. **Behav Res Ther** 1984;22(3):311–8

Dimensions of assertiveness: factor analysis of five assertion inventories. Henderson M, et al. **J Behav Ther Exp Psychiatry** 1983 Sep;14(3):223–31 (18 ref.)

California psychological inventory profiles of peer-nominated assertives, unassertives, and aggressives. Paterson CR, et al. **J Clin Psychol** 1984 Mar;40(2):534–8

Demand characteristics and inferential processes in psychotherapeutic change. Horvath P. **J Consult Clin Psychol** 1984 Aug;52(4):616–24

Assertion and overcontrolled hostility among mentally disordered murderers. Quinsey VL, et al. **J Consult Clin Psychol** 1983 Aug;51(4):550–6

Assertiveness training for hospitalized, emotionally disturbed women. Fishel AH, et al. **J Psychosoc Nurs Ment Health Serv** 1983 Nov;21(11):22–7

Preorgasmic group treatment: assertiveness, marital adjustment and sexual function in women. Cotten-Huston AL, et al. **J Sex Marital Ther** 1983 Winter;9(4):296–302

Alcohol, aggression and assertiveness in men: dosage and expectancy effects. Kreutzer JS, et al. **J Stud Alcohol** 1984 May;45(3):275–8

Assertiveness training for mentally retarded adults. Bregman S. **Ment Retard** 1984 Feb;22(1):12–6

Querulent paranoia: a follow-up. Astrup C. **Neuropsychobiology** 1984;11(3):149–54

The current status of cognitive variables in assertiveness training. Stefanek ME, et al. **Prog Behav Modif** 1983; 15:277–319

Methodological adaptations in assertiveness training programs designed for the blind. Ruben DH. **Psychol Rep** 1983 Dec;53(3 Pt 2):1281–2

Comparison of physically disabled elderly persons on two measures of assertiveness. Ruben DH. **Psychol Rep** 1984 Jun;54(3):1006

Differentiating assertiveness, aggressiveness, and shyness: a factor analysis. Tucker RK, et al. **Psychol Rep** 1983 Oct; 53(2):607–11

ASSESSMENT, EDUCATIONAL see **EDUCATIONAL MEASUREMENT**

ASSIMILATION see **ACCULTURATION**

ASSISTED CIRCULATION

Early prosthetic mitral closure due to malfunctioning aortic prosthesis during intra-aortic balloon counterpulsation. Gheorghiade M, et al. **Am Heart J** 1984 Feb;107(2):388–91

Regional and global left ventricular function during intra-aortic balloon counterpulsation in patients with acute myocardial infarction shock. Weiss AT, et al. **Am Heart J** 1984 Aug;108(2):249–54

Femoral artery infection complicating intraaortic balloon

pumping. Grantham RN, et al. **Am J Surg** 1983 Dec; 146(6):811–4

Intraaortic balloon counterpulsation. Kafrouni G. **Am J Surg** 1984 Jun;147(6):731–4

Accelerated renovascular hypertension following intra-aortic balloon counter-pulsation. Madrazo AC, et al. **Angiology** 1984 May;35(5):308–12

Successful balloon counterpulsation for right ventricular failure. Flege JB Jr, et al. **Ann Thorac Surg** 1984 Feb; 37(2):167–8

Pulmonary artery balloon counterpulsation for right ventricular failure: II. Clinical experience. Moran JM, et al. **Ann Thorac Surg** 1984 Sep;38(3):254–9

Circulatory assistance with allograft [letter] Novitzky D, et al. **Ann Thorac Surg** 1984 Feb;37(2):179

Pulmonary artery balloon counterpulsation for right ventricular failure: I. Experimental results. Opravil M, et al. **Ann Thorac Surg** 1984 Sep;38(3):242–53

Comparison of dopamine and dobutamine therapy during intraaortic balloon pumping for the treatment of postcardiotomy low-output syndrome. Sterling RP, et al. **Ann Thorac Surg** 1984 Jul;38(1):37–41

Intravenous balloon pumping [letter] Phillips SJ. **Artif Organs** 1984 May;8(2):232

Intravenous balloon pumping for acute right ventricular failure. Phillips SJ, et al. **Artif Organs** 1983 Aug;7(3):368–9

Intravenous balloon pumping for acute right ventricular failure [letter] Tamari Y, et al. **Artif Organs** 1984 Feb; 8(1):105–6

Intra-aortic balloon ECG artefact. Adams PC, et al. **Aust NZ J Med** 1984 Feb;14(1):45–6

Femorofemoral bypass for temporary cardiac support in heart surgery. Winton TL, et al. **Can J Surg** 1983 Sep;26(5):465–8

Intra-aortic balloon pumping in infants and children. Veasy LG, et al. **Circulation** 1983 Nov;68(5):1095–100

Current status of intra-aortic balloon counterpulsation in critical care cardiology. Alcan KE, et al. **Crit Care Med** 1984 Jun;12(6):489–95

Effectiveness of intraaortic balloon counterpulsation in the elderly. Marchionni N, et al. **Eur Heart J** 1983 May; 4(5):320–7

Effects of intraaortic balloon counterpulsation on myocardial blood flow in patients with severe coronary artery disease. Port SC, et al. **J Am Coll Cardiol** 1984 Jun;3(6):1367–74

Successful management of right ventricular failure with the ventricular assist pump following aortic valve replacement and coronary bypass grafting. O'Neill MJ Jr, et al. **J Thorac Cardiovasc Surg** 1984 Jan;87(1):106–11

Warm induction of cardioplegia with glutamate-enriched blood in coronary patients with cardiogenic shock who are dependent on inotropic drugs and intra-aortic balloon support. Rosenkranz ER, et al. **J Thorac Cardiovasc Surg** 1983 Oct;86(4):507–18

Mechanical control of circulation: clinical results with intra-aortic balloon pumping and veno-arterial bypass in left and/or right cardiac failure. Hirose H, et al. **Jpn Circ J** 1984 Mar;48(3):288–94

Effects of intraaortic balloon pumping on acute myocardial infarction in 64 cases of cardiogenic shock, severe heart failure and mechanical heart failure. Ida T, et al. **Jpn Circ J** 1984 Mar;48(3):276–87

Clinical usefulness of intraaortic balloon pumping in acute myocardial infarction complicated with cardiogenic shock, ventricular septal perforation and mitral regurgitation. Takano T, et al. **Jpn Circ J** 1984 Jul;48(7):678–89

Combined treatment of coenzyme Q10 and aprotinin with intraaortic balloon pumping following aorto-coronary bypass surgery. Okamura T, et al. **Jpn J Surg** 1984 Mar; 14(2):97–103

Effects and limitations of intra-aortic balloon pumping: an experimental study with quantitated heart failure model. Nishiwaki N. **Nippon Geka Hokan** 1983 Sep 1;52(5):610–35

Coronary blood flow augmentation by intra-aortic balloon pumping during open chest cardiopulmonary resuscitation. Coletti RH, et al. **Trans Am Soc Artif Intern Organs** 1983; 29:93–6

Reduction of myocardial infarct size: a comparison of the effectiveness of intra-aortic balloon pumping and transapical left ventricular bypass. LeGal YM, et al. **Trans Am Soc Artif Intern Organs** 1983;29:593–8

Sequential external counterpulsation (SECP) in China. Zheng ZS, et al. **Trans Am Soc Artif Intern Organs** 1983; 29:599–603

[Intra-aortic balloon pump in the treatment of cardiogenic shock] Keltai M, et al. **Orv Hetil** 1984 May 20; 125(21):1257–63 (Eng. Abstr.) **(Hun)**

[Surgical management of patent ductus arteriosus with preoperative insertion of balloon catheter] Anzai N, et al. **Kyobu Geka** 1983 Sep;36(9):749–52 **(Jpn)**

[An application of assisted circulation to extracorporeal circulation. Assisted circulation after the release of aortic cross clamping] Yasuura K, et al. **Kyobu Geka** 1984 Feb; 37(2):115–9 (Eng. Abstr.) **(Jpn)**

[A new adjunct for resection of aneurysm of the descending thoracic aorta—combined use of an aortic bypass tube and intra-aortic balloon pumping] Yamazato A. **Nippon Geka Hokan** 1983 Jul 1;52(4):525–40 (Eng. Abstr.) **(Jpn)**

[Effects of veno-arterial counterpulsation on ischemic myocardium—electron microscopic and cytochemical observation] Abe K. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Sep;31(9):1413–29 (Eng. Abstr.) **(Jpn)**

[Effectiveness of scheduled IABP (intra-aortic balloon pumping) in postoperative care] Kawamura T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Mar;31(3):291–6 (Eng. Abstr.) **(Jpn)**

[Experimental studies on the limitation of intra-aortic balloon pumping for acute ischemic heart] Onitsuka T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Sep;31(9):1383–9 (Eng. Abstr.) **(Jpn)**

[Effect and limitation of mechanical circulatory assistance for acute right ventricular infarction, with special reference to the pulmonary artery balloon pumping] Shiono M. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Oct; 31(10):1527–36 (Eng. Abstr.) **(Jpn)**

[Effects and limitation of intra-aortic balloon pumping in patients with acute myocardial infarction complicated with cardiogenic shock, ventricular septal perforation, and mitral regurgitation] Takano T, et al. **Nippon Naika Gakkai Zasshi** 1984 Mar;73(3):332–40 **(Jpn)**

[Intra-aortic balloon pumping] Takano T, et al. **Nippon Rinsho** 1983 Dec;41(12):2810–4 **(Jpn)**

[Intra-operative coronary spasm and its management] Suzuki A. **Rinsho Kyobu Geka** 1983 May;3(3):383–5 (Eng. Abstr.) **(Jpn)**

[An experience of successful V-A bypass combined with IABP after open mitral commissurotomy] Yumiba T, et al. **Rinsho Kyobu Geka** 1984 Mar;4(2):196–201 (Eng. Abstr.) **(Jpn)**

[Hemodynamics during the immediate postoperative period in young children undergoing surgery under assisted circulation for congenital heart defects] Aleksi-Meskhishvili VV, et al. **Anesteziol Reanimatol** 1983 Jul-Aug;(4):32–6 (Eng. Abstr.) **(Rus)**

[Use of methods of extracorporeal blood purification during assisted circulation in toxicology patients with severe cardiovascular insufficiency] Margulis MS, et al. **Anesteziol Reanimatol** 1984 May-Jun;(3):44–5 (Eng. Abstr.) **(Rus)**

[Changes in the functional status of the myocardium after left ventricular bypass] Gutnikova AR, et al. **Kardiologiia** 1984 Jan;24(1):93–4 **(Rus)**

[The effect of chlorpromazine and intra-aortic balloon counterpulsation on the contractility and performance of the heart after coronary occlusion and reperfusion] Gabauer I, et al. **Bratisl Lek Listy** 1984 Mar;81(3):325–35 (Eng. Abstr.) **(Slo)**

[Diminution of the ischemic focus in the myocardium after intra-aortic balloon counterpulsation in an experiment] Styk J, et al. **Bratisl Lek Listy** 1984 Mar;81(3):336–44 (Eng. Abstr.) **(Slo)**

ADVERSE EFFECTS

Identification of patients at high risk for complications of intraaortic balloon counterpulsation: a multivariate risk factor analysis. Gottlieb SO, et al. **Am J Cardiol** 1984 Apr 1;53(8):1135–9

Hemostatic abnormalities associated with prolonged ventricular assist pumping: analysis of 24 patients. Al-Mondhiry H, et al. **Am J Cardiol** 1984 May 1; 53(9):1344–8

Survival and complications following ventricular assist pumping for cardiogenic shock. Pennock JL, et al. **Ann Surg** 1983 Oct;198(4):469–78

Intraaortic balloon pump morbidity: a comparative analysis of risk factors between percutaneous and surgical techniques. Shahian DM, et al. **Ann Thorac Surg** 1983 Dec; 36(6):644–53

Paraplegia following percutaneous insertion of an intra-aortic balloon. Rose DM, et al. **J Thorac Cardiovasc Surg** 1984 May;87(5):788–9

Paraplegia associated with intraaortic balloon pump counterpulsation. Singh BM, et al. **Stroke** 1983 Nov-Dec; 14(6):983–6

INSTRUMENTATION

Simulation of the interaction heart-pump to improve assist-techniques with minimal myocardial lesions. Steinbach B, et al. **Biomed Tech (Berlin)** 1983 Oct; 28(10):235–41

Right ventricular failure following implantation of a left ventricular assist device. Richenbacher WE, et al. **Curr Surg** 1983 Jul-Aug;40(4):274–7

The implantable ventricular assist pump. Pierce WS. **J Thorac Cardiovasc Surg** 1984 Jun;87(6):811–3

Late functional and hemodynamic status of surviving patients following insertion of the left heart assist device. Rose DM, et al. **J Thorac Cardiovasc Surg** 1983 Nov;86(5):639–45

Circulation control of experimental and clinical profound left ventricular failures by automatic left ventricular assist system. Takano H, et al. **Jpn Circ J** 1984 Mar;48(3):302–11

The use of a small intra-aortic balloon to increase coronary flow. Antonatos PG, et al. **Life Support Syst** 1983 Jul-Sep; 1(3):151–64

Kinetic heart pumping. Lynch MF, et al. **Minn Med** 1984 Jan;67(1):17–9

Past, present, and future of mechanical circulatory support. Watson JT. **Transplant Proc** 1984 Jun;16(3):918–22

[Method of devising a muscle pump for assisted circulation] Razgulov MM, et al. **Biull Eksp Biol Med** 1984 Feb; 97(2):193–4 (Eng. Abstr.) **(Rus)**

[The sinus VK experimental apparatus for assisted circulation] Kuznetsov EP, et al. **Med Tekh** 1984 May-Jun; (3):30–2 (Eng. Abstr.) **(Rus)**

METHODS

A technique for immediate manual external aortic counterpulsation during cardiac surgery. Skinner JR, et al. **Ann Thorac Surg** 1984 Sep;38(3):296–7

Intra-aortic balloon pumping in the elderly: percutaneous versus surgical catheter insertion. Di Bari M, et al. **Eur Heart J** 1984 Mar;5(3):222–6

Intraaortic balloon assistance without a pump [letter] Sideris D, et al. **Eur Heart J** 1984 Jan;5(1):90

Intra-aortic balloon assistance without a pump. Sideris DA, et al. **Eur Heart J** 1983 Aug;4(8):536–46

Effect of the positioning of a balloon valve in the aorta on coronary flow during aortic regurgitation. Antonatos PG, et al. **J Thorac Cardiovasc Surg** 1984 Jul;88(1):128–33

Surgical versus percutaneous removal of the intra-aortic balloon. Cutler BS, et al. **J Thorac Cardiovasc Surg** 1983 Dec;86(6):907–11

Percutaneous balloon pump [letter] Spodick DH. **J Thorac Cardiovasc Surg** 1984 Jun;87(6):944

Preliminary experience with a new technique of insertion and removal of the intra-aortic balloon pump into the ascending aorta [letter] Tchervenkov CI, et al. **J Thorac Cardiovasc Surg** 1984 Mar;87(3):475–7

[Intracardiac mechanical support with synchronized inflation and deflation of an intraventricular balloon] Kaít'ák B, et al. **Rozhl Chir** 1983 Jul;62(7):507–12 (Eng. Abstr.) **(Cze)**

[Animal experiments using the left-ventricular-assist system] Oldag D, et al. **Z Exp Chir Transplant Kunstliche Organe** 1984;17(2):89–97 (Eng. Abstr.) **(Ger)**

[Current status and problems of artificial organs. 7. Assisted circulation and ventricular assist device] Umezu M, et al. **Iyodenshi To Seitai Kogaku** 1983 Sep;21(5):376–80 (16 ref.) **(Jpn)**

[Experimental study of the hemodynamics and metabolism during assist bypass—comparison with pulsatile and nonpulsatile assist bypass] Imazeki T. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Jun;31(6):819–27 (Eng. Abstr.) **(Jpn)**

[Mechanical circulatory assistance (MCA)—clinical studies] Furuta S. **Nippon Rinsho** 1983 Dec;41(12):2821–8 **(Jpn)**

[Veno-arterial bypass in heart failure following myocardial infarct] Matsuda H, et al. **Nippon Rinsho** 1983 Dec; 41(12):2815–20 **(Jpn)**

[An experience of successful V-A bypass combined with IABP after open mitral commissurotomy] Yumiba T, et al. **Rinsho Kyobu Geka** 1984 Mar;4(2):196–201 (Eng. Abstr.) **(Jpn)**

[Intra-aortic counterpulsation during the surgical treatment of ischemic heart disease] Konstantinov BA, et al. **Grudn Khir** 1983 Nov-Dec;(6):13–7 (Eng. Abstr.) **(Rus)**

[Role of pulsation in assisted circulation using left ventricular-aortic shunting] Vedernikova LA. **Grudn Khir** 1984 Jan-Feb;(1):17–23 **(Rus)**

[Method of increasing the effectiveness of assisted circulation] Kulik GS. **Kardiologiia** 1983 Aug;23(8):74–7 (Eng. Abstr.) **(Rus)**

[Ventricular bypass in acute heart failure] Lokshin LS, et al. **Kardiologiia** 1983 Jul;23(7):55–9 (Eng. Abstr.) **(Rus)**

[Experimental and clinical use of artificial heart ventricles] Shumakov VI, et al. **Kardiologiia** 1983 Dec;23(12):73–8 (Eng. Abstr.) **(Rus)**

[Intra-aortic balloon pumping in cardiac surgery] Konstantinov BA, et al. **Vestn Khir** 1983 Jul;131(7):22–8 (Eng. Abstr.) **(Rus)**

TRENDS

[Present status and future prospect of artificial heart] Akutsu T, et al. **Kyobu Geka** 1984 Feb;37(2):87–93 (Eng. Abstr.) **(Jpn)**

ASSOCIATED VIRUSES see **SATELLITE VIRUSES**

ASSOCIATION

see related
WORD ASSOCIATION TESTS

Behaving appropriately in new situations: a stimulus class analysis. Spradlin JE, et al. **Am J Ment Defic** 1984 Mar; 88(5):574–9

Effect of early undernutrition on reactivity of the rat parietal association area. Pérez H, et al. **Exp Neurol** 1983 Oct; 82(1):241–4

Single-unit and slow potential responses from rat frontal cortex during associative conditioning. Pirch JH, et al. **Exp Neurol** 1983 Oct;82(1):118–30

Evoked potentials of posterior association areas of the cortex during discrimination and recognition of human portraits. Zelenkova TP. **Hum Physiol** 1983 Mar-Apr;9(2):83–9

Structure of the piriform cortex of the opossum. III. Ultrastructural characterization of synaptic terminals of association and olfactory bulb afferent fibers. Haberly L, et al. **J Comp Neurol** 1983 Oct 1;219(4):448–60

Effect of stimulation of cortical association areas in rabbits on evoked potentials and unitary responses in the visual cortex. Savchenko EI, et al. **Neurosci Behav Physiol** 1983 Jan-Feb;13(1):7–12

Participation of cortical and thalamic cells in the feline

association system to thalamocortical recruiting responses. Avoli M. **Neurosci Lett** 1983 Jul 29;38(2):151–6
[Elaboration of a conditioned reflex in chronic alcoholics using an unrecognizable motivationally significant word] Genkina OA, et al. **Zh Vyssh Nerv Deiat** 1983 Nov–Dec; 33(6):1010–8 (Eng. Abstr.) **(Rus)**
[Disruptions of instrumental alimentary conditioned reflexes after removal of the frontal and parietal associative cortex in the cat] Khasabov GA, et al. **Zh Vyssh Nerv Deiat** 1984 Mar–Apr;34(2):243–50 (Eng. Abstr.) **(Rus)**
[Neurophysiologic analysis of the bilateral organization of the associative parietal regions of the neocortex in the cat] Poliakova AG. **Zh Vyssh Nerv Deiat** 1983 Nov–Dec; 33(6):1103–13 (Eng. Abstr.) **(Rus)**

ASSOCIATION, FREE see **FREE ASSOCIATION**

ASSOCIATION LEARNING see under **LEARNING**

ASTASIA-ABASIA see **CONVERSION DISORDER**

ASTATINE

METABOLISM

Determination of absorbed dose to blood, kidneys, testes and thyroid in mice injected with 211At and comparison of testes mass and sperm number in x-irradiated and 211At treated mice. Harrison A, et al. **Health Phys** 1984 Feb; 46(2):377–83

THERAPEUTIC USE

Tumour localisation of 211At-labelled monoclonal antibody to a sub-cutaneous human heterograft in the nude mouse II. Bateman WJ, et al. **Int J Nucl Med Biol** 1983;10(4):241–4
211At radiocolloid therapy: further observations and comparison with radiocolloids of 32P, 165Dy, and 90Y. Bloomer WD, et al. **Int J Radiat Oncol Biol Phys** 1984 Mar;10(3):341–8

ASTHENIA

see related
NEURASTHENIA

DRUG THERAPY

Correlation between increased serum and tissue L-carnitine levels and improved muscle symptoms in hemodialyzed patients. Bellinghieri G, et al. **Am J Clin Nutr** 1983 Oct; 38(4):523–31

ETIOLOGY

[Neurologic complications of diphtheria in adults] Doev KhN, et al. **Voen Med Zh** 1984 Mar;(3):61–2 **(Rus)**

PHYSIOPATHOLOGY

[The preoperative mental state] Tolksdorf W. **Fortschr Med** 1984 Mar 29;102(12):342–5 (Eng. Abstr.) **(Ger)**

ASTHENOPIA

DIAGNOSIS

Convergence amplitude insufficiency. Brinkley JR Jr, et al. **Ann Ophthalmol** 1983 Sep;15(9):826–8, 830–1
Diagnosis of eye strain [letter] Meyer AJ. **Med J Aust** 1984 Aug 4;141(3):199

ETIOLOGY

An experimental study on visual strain and microscopy work. Nyman KG. **Acta Ophthalmol [Suppl] (Copenh)** 1984;161:94
Working with cathode-ray tube based visual display units. Nyman KG. **Acta Ophthalmol [Suppl] (Copenh)** 1984; 161:111–4
Relation of symptoms to accommodative infacility of school-aged children. Hennessey D, et al. **Am J Optom Physiol Opt** 1984 Mar;61(3):177–83
Eyestrain in VDU users: physical correlates and long-term effects. De Groot JP, et al. **Hum Factors** 1983 Aug; 25(4):409–13
An investigation of the Medical Data Index (MDI) health questionnaire given to women VDT workers involved in advanced office automation—924 women clerks in a city bank with head and branch offices. Yamamura K, et al. **Ind Health** 1983;21(3):199–207
[Motility disorders and asthenopia following perforating eye injuries] Schäfer WD. **Fortschr Ophthalmol** 1984; 81(2):125–6 (Eng. Abstr.) **(Ger)**

THERAPY

Reduction of asthenopia in patients with convergence insufficiency after fusional vergence training. Cooper J, et al. **Am J Optom Physiol Opt** 1983 Dec;60(12):982–9
[Efficacy of using electropuncture reflexotherapy in the treatment of visual fatigue on the job] Val'kova IV, et al. **Vestn Oftalmol** 1984 Jul–Aug;(4):51–2 (Eng. Abstr.) **(Rus)**

ASTHMA

Perioperative management of the patient with asthma. Kingston HG, et al. **Anesth Analg** 1984 Sep;63(9):844–55 (53 ref.)
General practitioners' views on asthma in childhood. Marks BE, et al. **Br Med J [Clin Res]** 1983 Oct 1;287(6397):949–51
Bronchial asthma. Criep LH. **Del Med J** 1984 Jan;56(1):11–6
Time course of exercise-induced bronchoconstriction in asthmatics exposed to sulfur dioxide. Hackney JD, et al. **Environ Res** 1984 Aug;34(2):321–7
Exercise and asthma in athletes. Dold HJ. **IMJ** 1983 Aug; 164(2):134–7 (24 ref.)
International symposium on special problems and management of allergic athletes. January 13–14, 1984, Palm Springs, California. **J Allergy Clin Immunol** 1984 May;73(5 Pt 2):629–748
Asthma in childhood. Ellis EF. **J Allergy Clin Immunol** 1983 Nov;72(5 Pt 2):526–39 (166 ref.)
Symposium on special problems and management of allergic athletes. Introduction. Godfrey S. **J Allergy Clin Immunol** 1984 May;73(5 Pt 2):630–3
Medical specialty journals, new and old: a survey of current periodical scientific publications on allergy and asthma. Failliers CJ. **J Asthma** 1983;20(4):303–5
Application of a new direct-writing recorder device, the 'Astograph,' to the evaluation of methacholine-induced bronchoconstriction in asthmatic children. Mitsuhashi M, et al. **J Asthma** 1984;21(2):89–95
Definitions of emphysema, chronic bronchitis, asthma, and airflow obstruction: 25 years on from the Ciba symposium [editorial] Fletcher CM, et al. **Thorax** 1984 Feb;39(2):81–5
[Methods for the study of bronchial asthma in children] Girardi G, et al. **Rev Chil Pediatr** 1983 Jul–Aug;54(4):291–5 (Eng. Abstr.) **(Spa)**
[Bronchial asthma] Farga V. **Rev Med Chil** 1983 Jun; 111(6):622–7 (Eng. Abstr.) **(Spa)**
[Asthma, the endpoint of a continuum] Sepulveda R. **Rev Med Chil** 1983 Jun;111(6):621–2 **(Spa)**

BLOOD

Differentiating atopic patients by means of alpha 1-antitrypsin phenotypes. Monteseirin Mateo FJ, et al. **Allergol Immunopathol (Madr)** 1984 Mar–Apr;12(2):111–4
Plasma separation in patients with bronchial asthma, atopic dermatitis and hyperimmunoglobulinaemia E. Nielsen H, et al. **Allergy** 1984 Jul;39(5):329–37
The effect of subcutaneously administered terbutaline on serum potassium in asymptomatic adult asthmatics. Küng M, et al. **Am Rev Respir Dis** 1984 Feb;129(2):329–32
A mononuclear cell derived histamine releasing factor (HRF) in asthmatic patients. Histamine release from basophils in vitro. Alam R, et al. **Ann Allergy** 1984 Jul;53(1):66–9
Once a day theophylline; serum concentrations. Nerminathan V, et al. **Arch Dis Child** 1984 Aug;59(8):762–5
The validation of a fluoroimmunoassay for the determination of theophylline concentration in dried blood spots suitable for domiciliary therapeutic drug monitoring. Coombes EJ, et al. **Clin Chim Acta** 1984 Jan 31;136(2-3):187–95
Phosphatidylethanolamine methylation in leukocyte membrane preparations from allergic subjects: an unexpected result. Fonlupt P, et al. **Clin Chim Acta** 1984 Jan 16;136(1):13–8
Circadian variation in number and affinity of beta 2-adrenoceptors in lymphocytes of asthmatic patients. Titinchi S, et al. **Clin Sci** 1984 Mar;66(3):323–8
Age-dependency of alpha- and beta-adrenoceptors on thrombocytes and lymphocytes of asthmatic and nonasthmatic children. Reinhardt D, et al. **Eur J Pediatr** 1984 Jun;142(2):111–6
Endogenous plasma adrenaline in asthma. Barnes PJ. **Eur J Respir Dis** 1983 Nov;64(8):559–63
Circulating beta-adrenoceptor blocking factors in asthma. Basran GS, et al. **Eur J Respir Dis [Suppl]** 1984;135:226–8
Plasma prostaglandin activities in some immuno-inflammatory diseases. Al-Nagdy SA, et al. **Gen Pharmacol** 1984;15(1):63–6
Decreased mononuclear cell beta-adrenergic receptors in bronchial asthma: parallel studies of lymphocyte and granulocyte desensitization. Sano Y, et al. **J Allergy Clin Immunol** 1983 Nov;72(5 Pt 1):495–503
Potassium tolerance and bronchial reactivity in asthmatic and nonasthmatic atopic subjects. Marazzini L, et al. **J Clin Immunol** 1984 Jul;4(4):319–25
Influence of beta-receptor-agonists and glucocorticoids on alpha- and beta-adrenoceptors of isolated blood cells from asthmatic children. Reinhardt D, et al. **Pediatr Pharmacol (New York)** 1983;3(3-4):293–302
Plasma histamine in asthmatic and control subjects following exercise: influence of circulating basophils and different assay techniques. Morgan DJ, et al. **Thorax** 1983 Oct; 38(10):771–7
The determination of blood histamine in asthmatic patients with a simple and sensitive method. Izumi H, et al. **Tohoku J Exp Med** 1984 May;143(1):79–85
[Effect of biogenic rhythms on plasma histamine level and airway resistance in patients with allergic bronchial asthma] Morr H, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:717–9 (Eng. Abstr.) **(Ger)**
[Plasma histamine levels in allergic diseases. 2. Evaluation of asthmatic attacks and severities] Imada Y, et al. **Arerugi** 1983 Apr;32(4):209–12 (Eng. Abstr.) **(Jpn)**
[beta-Adrenergic receptor of peripheral blood lymphocytes from bronchial asthmatics] Sakakibara H, et al. **Arerugi** 1983 Dec;32(12):1134–43 (Eng. Abstr.) **(Jpn)**
[Fluctuations in the plasma heparin concentration in bronchial asthma] Tanizaki Y, et al. **Arerugi** 1983 Jun; 32(6):343–7 (Eng. Abstr.) **(Jpn)**
[Function of blood monocytes in bronchial asthma—numerical changes and beta-galactosidase activity] Tanizaki Y, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1984 Mar; 22(3):208–13 (Eng. Abstr.) **(Jpn)**
[Glucocorticoid receptors in peripheral blood lymphocytes in children with bronchial asthma during treatment] Rajpert E, et al. **Pediatr Pol** 1984 Feb;59(2):95–100 (Eng. Abstr.) **(Pol)**
[Changes in various immunobiochemical parameters in patients with bronchial asthma during specific desensitization] Kruszewski J, et al. **Pneumonol Pol** 1984 Feb;52(2):77–81 (Eng. Abstr.) **(Pol)**
[Comparative evaluation of various immunobiochemical indicators in patients with bronchiectasis and atopic bronchial asthma] Płusa T, et al. **Pneumonol Pol** 1983 Apr; 51(4):231–7 (Eng. Abstr.) **(Pol)**
[Intravascular microthrombus formation in nonspecific lung diseases] Aleksandrov OV, et al. **Klin Med (Mosk)** 1983 Aug;61(8):38–42 (Eng. Abstr.) **(Rus)**
[Serum prostaglandins and their dynamics in allergic diseases in children] Kats PD, et al. **Pediatriia** 1983 Dec;(12):12–5 (Eng. Abstr.) **(Rus)**
[Changes in the lipid structure of leukocyte membranes in atopic bronchial asthma in children] Sviatkina OB, et al. **Pediatriia** 1983 Dec;(12):15–9 (Eng. Abstr.) **(Rus)**
[Study of calcitonin and parathyroid hormone in patients with bronchial asthma with steroid-induced osteoporosis] Chuchalin AG, et al. **Probl Endokrinol (Mosk)** 1983 Sep-Oct;29(5):19–20 (Eng. Abstr.) **(Rus)**
[Glucagon and its effect on the functional state of adrenergic receptors in bronchial asthma patients] Chuchalin AG, et al. **Sov Med** 1983;(12):51–5 (Eng. Abstr.) **(Rus)**
[T- and B-lymphocyte count in the peripheral blood of bronchial asthma patients during exacerbations and remissions of the disease] Pralia MM. **Sov Med** 1984; (2):21–4 (Eng. Abstr.) **(Rus)**
[Arterial gasometry in a severe attack of asthma] Estopá R, et al. **Med Clin (Barc)** 1983 Nov 26;81(17):749–51 (Eng. Abstr.) **(Spa)**
[Theophylline: plasma levels in asthma patients treated with choline theophyllinate every 8 hours] Morell F, et al. **Med Clin (Barc)** 1983 Nov 26;81(17):746–8 (Eng. Abstr.) **(Spa)**
[Individualized dosage of theophylline for ambulatory asthmatic patients] Otero MJ, et al. **Med Clin (Barc)** 1983 Oct 8;81(10):415–7 (Eng. Abstr.) **(Spa)**

CHEMICALLY INDUCED

Aspirin tolerance induced in aspirin-sensitive asthmatics. Kowalski ML, et al. **Allergy** 1984 Apr;39(3):171–8
Aspirin desensitization in aspirin-sensitive asthma: failure to maintain a desensitized state during prolonged therapy [letter] **Am Rev Respir Dis** 1984 Jun;129(6):1031–3
Aspirin desensitization in aspirin-sensitive asthma: failure to maintain a desensitized state during prolonged therapy. Dankner RE, et al. **Am Rev Respir Dis** 1983 Nov; 128(5):953–5
Effects of chronic aspirin ingestion in aspirin-intolerant asthmatic patients. Naeije N, et al. **Ann Allergy** 1984 Sep; 53(3):262–4
Asthmatic responses to inhaled aminophylline: a report of two cases. Rosenberg M, et al. **Ann Allergy** 1984 Feb; 52(2):97–8
Effect of aspirin in 'aspirin sensitive' patients. Asad SI, et al. **Br Med J [Clin Res]** 1984 Mar 10;288(6419):745–8
Respiratory symptoms related to work in a factory manufacturing cimetidine tablets. Coutts IL, et al. **Br Med J [Clin Res]** 1984 May 12;288(6428):1418
Asthma associated with N-acetylcysteine infusion and paracetamol poisoning: report of two cases. Ho SW, et al. **Br Med J [Clin Res]** 1983 Sep 24;287(6396):876–7
Proctocolitis induced by salicylate and associated with asthma and recurrent nasal polyps. Pearson DJ, et al. **Br Med J [Clin Res]** 1983 Dec 3;287(6406):1675
Asthma associated with N-acetylcysteine infusion and paracetamol poisoning [letter] Prescott LF, et al. **Br Med J [Clin Res]** 1984 Jan 14;288(6411):151
Experimental model of asthma by toluene diisocyanate (TDI). Tanaka K, et al. **Bull Chest Dis Res Inst Kyoto Univ** 1983 Mar;16(1-2):1–9
Asthma, aspirin and leukotrienes. Szczeklik A. **Bull Eur Physiopathol Respir** 1983 Nov–Dec;19(6):531–8 **(Eng, Fre)**
Oral tartrazine challenge in childhood asthma: effect on bronchial reactivity. Hariparsad D, et al. **Clin Allergy** 1984 Jan;14(1):81–5
Aspirin-sensitive asthma and rhinosinusitis: current concepts and recent advances. Lumry WR, et al. **Ear Nose Throat J** 1984 Feb;63(2):66, 68–70, 72–4 passim
Asthmatic attack associated with oral clonidine test [letter] Ashkenazi S, et al. **Eur J Pediatr** 1984 Aug;142(3):235
Hyperreactivity in clinical practice—induction by occupational factors. Belin L. **Eur J Respir Dis [Suppl]** 1983;131:285–302
Analgesic induced asthma. Smith S, et al. **Ir J Med Sci** 1983

Nov;152(11):420–1

The relationship of total serum IgE and blocking antibody in trimellitic anhydride—induced occupational asthma. Bernstein DI, et al. **J Allergy Clin Immunol** 1983 Dec; 72(6):714–9

Occupational asthma due to pepsin. Cartier A, et al. **J Allergy Clin Immunol** 1984 May;73(5 Pt 1):574–7

Combined alveolitis and asthma due to hexamethylene diisocyanate (HDI), with demonstration of crossed respiratory and immunologic reactivities to diphenylmethane diisocyanate (MDI). Malo JL, et al. **J Allergy Clin Immunol** 1983 Oct;72(4):413–9

Aspirin–sensitive rhinosinusitis asthma: a double–blind crossover study of treatment with aspirin. Stevenson DD, et al. **J Allergy Clin Immunol** 1984 Apr;73(4):500–7

Unusual adverse effects of 8–methoxypsoralen: bronchial reaction during photochemotherapy (PUVA) [letter] Anderson CD, et al. **J Am Acad Dermatol** 1984 Feb;10(2 Pt 1):298

Health update on sulfites in food and drugs. Oberste DM. **J Arkansas Med Soc** 1984 Jul;81(2):130–2

Cross–desensitization between aspirin and benzoate in asthma [letter] Naeije N, et al. **Lancet** 1983 Oct 29;2(8357):1035–6

Hypersensitivity to non–steroidal anti–inflammatory drugs—asthma precipitated by zomepirac. A case report. Botha JJ, et al. **S Afr Med J** 1984 Feb 4;65(5):180–2

Occupational asthma, rhinitis, and dermatitis due to tetrazene in a detonator manufacturer. Burge PS, et al. **Thorax** 1984 Jun;39(6):470–1

Occupational asthma due to heated freon. Malo JL, et al. **Thorax** 1984 Aug;39(8):628–9

Occupational asthma due to hexachlorophene. Nagy L, et al. **Thorax** 1984 Aug;39(8):630–1

[Aspirin–induced asthma and analysis of the aspirin triad in 30 cases] Zhang HY. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1983 Jun;6(3):146–8 (Eng. Abstr.) **(Chi)**

[Diisocyanate–induced asthma and alveolitis] Laitinen J, et al. **Duodecim** 1984;100(4):220–5 (Eng. Abstr.) **(Fin)**

[Aspirin–induced disease. Attempt at treatment by induction of tolerance] Michel FB, et al. **Bull Acad Natl Med (Paris)** 1983 Sep–Oct;167(7):745–53 (Eng. Abstr.) **(Fre)**

[Drug–induced asthma] Van Steenberghe J. **Rev Med Brux** 1984 Apr;5(4):263–6 (Eng. Abstr.) **(Fre)**

[Asthma in 2 children living in a home insulated with polyurethane (letter)] Lacroix J. **Union Med Can** 1984 May; 113(5):363 **(Fre)**

[Allergic asthma from enzymes in drugs] Hartmann AL, et al. **Schweiz Med Wochenschr** 1984 Jun 23;114(25):916–7 (Eng. Abstr.) **(Ger)**

[Irritative and allergic effects of pesticide aerosols on the respiratory tract and problems of their evaluation] Barthel E. **Z Gesamte Hyg** 1983 Nov;29(11):678–81 (Eng. Abstr.) **(Ger)**

[Occupational asthma in welders caused by colophony] Orosz M, et al. **Orv Hetil** 1984 Jun 3;125(23):1395–7 (Eng. Abstr.) **(Hun)**

[Occupational isocyanate–induced asthma] Orosz M, et al. **Orv Hetil** 1984 Aug 5;125(32):1931–4 (Eng. Abstr.) **(Hun)**

[Bronchial asthma due to occupational exposure to a dioctylphthalate. Description of a case] Brunetti G, et al. **Med Lav** 1984 Mar–Apr;75(2):120–4 (Eng. Abstr.) **(Ita)**

[A case of occupational asthma caused by diphenyl methane diisocyanate] Innocenti A, et al. **Med Lav** 1983 Sep–Oct; 74(5):391–3 (Eng. Abstr.) **(Ita)**

[Tartrazine–induced asthma] Itoh T, et al. **Arerugi** 1983 Oct; 32(10):1005–9 (Eng. Abstr.) **(Jpn)**

[Nasal allergy observed in an asthma model by toluene diisocyanate (TDI)] Tanaka K, et al. **Arerugi** 1984 Apr; 33(4):199–206 (Eng. Abstr.) **(Jpn)**

[Morphological and functional changes in the bronchi caused by chemical substances used in the production of paints and lacquers as a pathogenic factor of occupational bronchial asthma. II. Nonspecific bronchial hyperreactivity in workers in a paint and lacquer plant] Liebhart J, et al. **Pneumonol Pol** 1983 Jul;51(7):393–9 (Eng. Abstr.) **(Pol)**

[Morphological and functional changes in the bronchi caused by chemical substances used in the production of paints and lacquers as a pathogenic factor of occupational bronchial asthma. I. Morphological changes in the lungs of rats after long–term exposure to chemical compounds used in the production of paints and lacquers] Madej JA, et al. **Pneumonol Pol** 1983 Jul;51(7):381–92 (Eng. Abstr.) **(Pol)**

[Ketotifen in the treatment of hypersensitivity to acetylsalicylic acid] Czerniawska–Mysik G. **Pol Tyg Lek** 1984 Jan 2;39(1):21–3 **(Pol)**

[Allergic properties of hidden sources of penicillin] Rudzki E. **Pol Tyg Lek** 1983 Jun 13;38(24):743–5 **(Pol)**

[Bronchial asthma and antiphlogistics] **Lakartidningen** 1984 Jan 4;81(1–2):24 **(Swe)**

CLASSIFICATION

Special types of asthma [editorial] **Cent Afr J Med** 1983 Mar; 29(3):69

[Bronchial asthma (problems of nosologic definition and classification)] Gembitskiĭ EV, et al. **Klin Med (Mosk)** 1983 Dec;61(12):49–54 (Eng. Abstr.) **(Rus)**

[Current concepts concerning bronchial asthma and its classification] Fedoseev GB. **Probl Tuberk** 1983 Aug; (8):27–32 (Eng. Abstr.) **(Rus)**

[Development of the concepts of bronchial asthma and its classification according to Ado and Bulatov] Ado AD, et al. **Ter Arkh** 1984;56(3):11–5 **(Rus)**

COMPLICATIONS

Total blood eosinophilia in allergic (type I allergy) and non–allergic asthma, rhinitis and cough. Stevens WJ, et al. **Allergol Immunopathol (Madr)** 1984 Jan–Feb;12(1):53–9

Lactic acidosis in severe asthma. Appel D, et al. **Am J Med** 1983 Oct;75(4):580–4

Effects of topical betaxolol, timolol, and placebo on pulmonary function in asthmatic bronchitis. Schoene RB, et al. **Am J Ophthalmol** 1984 Jan;97(1):86–92

Gastroesophageal reflux and chronic respiratory disease. Allen CJ, et al. **Am Rev Respir Dis** 1984 Apr;129(4):645–7

Primary nasal polyposis. Jacobs RL, et al. **Ann Allergy** 1983 Nov;51(5):500–5

Immediate–type skin reactivity to extracts of the 'green nimitti' midge, (Cladotanytarsus lewisi), and other chironomids in asthmatic subjects in the Sudan and Egypt. Cranston PS, et al. **Ann Trop Med Parasitol** 1983 Oct; 77(5):527–33

Corticosteroid–dependent asthma and schizophrenia. Sonin L, et al. **Arch Intern Med** 1984 Mar;144(3):554–6

Myoclonus following severe asthma: clonazepam relieves. Chee YC, et al. **Aust NZ J Med** 1983 Jun;13(3):285–6

Cor pulmonale in asthma. Calverley PM, et al. **Br J Dis Chest** 1983 Jul;77(3):303–7

Painless myocardial infarction in asthma. Chappell AG. **Br J Dis Chest** 1984 Apr;78(2):174–9

Encysted pneumothorax, a complication of asthma. Nightingale RC, et al. **Br J Dis Chest** 1984 Jan;78(1):98–100

ABC of asthma [letter] **Br Med J [Clin Res]** 1984 Jun 16; 288(6433):1833–4

Hyperthyroidism and acute bronchial asthma. Fitzpatrick WJ, et al. **Br Med J [Clin Res]** 1984 Jan 28;288(6413):314–5

Circumstances of death from asthma. Johnson AJ, et al. **Br Med J [Clin Res]** 1984 Jun 23;288(6434):1870–2

Hypoxemia in attack free asthmatic children: relationship with lung volumes and lung mechanics. Wolf B, et al. **Bull Eur Physiopathol Respir** 1983 Sep–Oct;19(5):471–6

Mediastinal emphysema following an attack of bronchial asthma. Corea RT. **Ceylon Med J** 1983 Jun;28(2):105–6

Acute respiratory failure in a young asthmatic patient. Lewis M, et al. **Chest** 1983 Dec;84(6):733–4

Crying–induced bronchospasm in childhood asthma: combined pharmacologic and behavioral management. Weinstein AG. **Del Med J** 1984 Aug;56(8):473–6

Corticosteroid–induced bone loss. A longitudinal study of alternate day therapy in patients with bronchial asthma using quantitative computed tomography. Rüegsegger P, et al. **Eur J Clin Pharmacol** 1983;25(5):615–20

The prevalence of asymptomatic gastroesophageal reflux in bronchial asthma and in non–asthmatic individuals. Perpiñá M, et al. **Eur J Respir Dis** 1983 Nov;64(8):582–7

Hyperreactivity in children. Graff–Lonnevig V. **Eur J Respir Dis [Suppl]** 1983;131:303–11

Asthma and bacterial sinusitis in children. Friedman R, et al. **J Allergy Clin Immunol** 1984 Aug;74(2):185–9

Interaction of sulfur dioxide and dry cold air in causing bronchoconstriction in asthmatic subjects. Bethel RA, et al. **J Appl Physiol** 1984 Aug;57(2):419–23

Autonomic dysfunctions in asthma and thyrotoxicosis. Deshpande DV. **J Assoc Physicians India** 1983 May; 31(5):299–302

Nasal and paranasal allergy. Leffert FH. **J Asthma** 1984; 21(2):131–9 (56 ref.)

Asthma as a cause for, rather than a result of, gastroesophageal reflux. Singh V, et al. **J Asthma** 1983; 20(4):241–3

Asthma induced myocardial infarction in a patient with normal coronary arteries: a case report and a pathogenetic hypothesis. Jazayeri MR, et al. **J Med** 1983;14(5–6):351–61

Gastroesophageal reflux and asthma [letter] Shapiro GG. **J Pediatr** 1984 Jun;104(6):956–7

Itching and asthma [letter] Brown HM. **Lancet** 1984 Sep 8; 2(8402):576–7

Prodromal itching in childhood asthma. David TJ, et al. **Lancet** 1984 Jul 21;2(8395):154–5

Prodromal itching in asthma [letter] Rettig A, et al. **Lancet** 1984 Aug 18;2(8399):414

Caldwell–Luc operation in the treatment of childhood bronchial asthma. Juntunen K, et al. **Laryngoscope** 1984 Feb;94(2 Pt 1):249–51

Recurrence of asthma following removal of a noradrenaline–secreting phaeochromocytoma. Harvey JN, et al. **Postgrad Med J** 1984 May;60(703):364–5

Inspiratory and expiratory resistive loading as a model of dyspnea in asthma. Chapman KR, et al. **Respiration** 1983; 44(6):425–32

Thyrotoxicosis and asthma. A case report. Omar MA, et al. **S Afr Med J** 1983 Nov 12;64(21):834–5

Resolution of pulmonary cyst after steroid therapy of asthma. McCrea ES, et al. **South Med J** 1983 Nov;76(11):1443–5

Hypothyroidism with coexistent asthma: problems in management. Rowe MS, et al. **South Med J** 1984 Mar; 77(3):401–2

Asthma and irreversible airflow obstruction. Brown PJ, et al. **Thorax** 1984 Feb;39(2):131–6

Asthma, pulmonary eosinophilia, and eosinophilic pericarditis. Jolobe OM, et al. **Thorax** 1983 Sep;38(9):690–1

[Development of obstructive bronchitis in bronchial asthma] Hloušková Z, et al. **Cesk Pediatr** 1983 Aug;38(8):468–9 (Eng. Abstr.) **(Cze)**

[Asthma associated with gastroesophageal reflux. Effects of antireflux surgery on the symptoms and intraesophageal pH in a patient] Weynants P, et al. **Acta Gastroenterol Belg** 1983 May–Jun;46(5–6):197–206 (Eng. Abstr.) **(Fre)**

[Systemic manifestations of angiitis with asthma and hypereosinophilia. Study of 10 cases] Newinger G, et al. **Rev Med Interne** 1984 Jun;5(2):165–71 (Eng. Abstr.) **(Fre)**

[A 48–year–old woman with asthma, cardiomegaly and eosinophilia] Adler G, et al. **Internist (Berlin)** 1983 Oct; 24(10):582–6 **(Ger)**

[58–year–old patient with intrinsic asthma and long standing pronounced blood eosinophilia] Seidemann W. **Internist (Berlin)** 1983 Sep;24(9):539–41 **(Ger)**

[Bronchial asthma, nasal polyposis and analgesic intolerance (the ASA triad). A successful computer based analysis of free texts] Scherrer M, et al. **Schweiz Med Wochenschr** 1984 Mar 10;114(10):337–42 (Eng. Abstr.) **(Ger)**

[Relations between chronic nasal obstruction, nasal allergy and bronchial asthma] Fiori–Ratti L, et al. **Acta Otorhinolaryngol Ital** 1983 Jul–Aug;3(4):439–47 (Eng. Abstr.) **(Ita)**

[Mediastinal and subcutaneous emphysema as a complication of bronchial asthma in childhood] Reboa E, et al. **Minerva Pediatr** 1983 Nov 30;35(22):1137–44 (Eng. Abstr.) **(Ita)**

[Mycoplasma pneumoniae infections among asthmatic children] Nagayama Y. **Arerugi** 1983 Jul;32(7):359–64 (Eng. Abstr.) **(Jpn)**

[Bronchial asthma] Satake T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 May; 21(5):431–6 (Eng. Abstr.) **(Jpn)**

[Status asthmaticus in the adult. Clinical aspects and therapeutic possibilities] Unteanu G, et al. **Rev Ig [Pneumoftiziol]** 1983 Jan–Mar;32(1):75–82 (Eng. Abstr.) **(Rum)**

[Approaches to the treatment of status asthmaticus] Daniliak IG, et al. **Ter Arkh** 1984;56(3):56–8 (Eng. Abstr.) **(Rus)**

[Problems in the current treatment of the bronchial obstruction syndrome in bronchial asthma patients] Fedoseev GB, et al. **Ter Arkh** 1984;56(3):47–50 (Eng. Abstr.) **(Rus)**

[Disseminated intravascular coagulation syndrome in bronchial asthma] Kliachkin LM, et al. **Ter Arkh** 1984; 56(3):30–4 (Eng. Abstr.) **(Rus)**

[Classification of respiratory insufficiency] Ershov AI, et al. **Vrach Delo** 1983 Oct;(10):50–4 (3 ref.) (Eng. Abstr.) **(Rus)**

[Characteristics of the clinical symptoms of pulmonary hypertension in bronchial asthma patients] Svintsitskiĭ AS. **Vrach Delo** 1984 Feb;(2):12–6 (Eng. Abstr.) **(Rus)**

[Viral infections in children with asthma as provoking factors in asthma crises. Anamnesis and clinical aspects] Radivojević S, et al. **Srp Arh Celok Lek** 1983 Mar; 111(3):297–303 (Eng. Abstr.) **(Scc)**

[A case of Churg–Strauss syndrome with ocular involvement] Ibáñez Bermúdez F, et al. **Med Clin (Barc)** 1983 Nov 26; 81(17):769–71 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

The effectiveness of nasal provocation tests for the diagnosis of atopic bronchial asthma. Kús J, et al. **Allergol Immunopathol (Madr)** 1983 Jul–Aug;11(4):233–41

Discriminatory role of history, skin testing and radio–allergo–sorbent test (RAST) in type I–mediated respiratory disease. Stevens WJ, et al. **Allergol Immunopathol (Madr)** 1983 Jul–Aug;11(4):243–9

The pulmonary index. Assessment of a clinical score for asthma. Becker AB, et al. **Am J Dis Child** 1984 Jun; 138(6):574–6

Sputum and blood eosinophils during corticosteroid treatment of acute exacerbations of asthma. Baigelman W, et al. **Am J Med** 1983 Dec;75(6):929–36

Comparison of responsiveness to methacholine, histamine, and exercise in subgroups of asthmatic children. Bhagat RG, et al. **Am Rev Respir Dis** 1984 Feb;129(2):221–4

Comparison of ultrasonically nebulized distilled water and hyperventilation with cold air in asthma. Fabbri LM, et al. **Ann Allergy** 1984 Aug;53(2):172–7

Antigen recognition in Chinese and Caucasians. Kaufman HS, et al. **Ann Allergy** 1984 Aug;53(2):135–7

Duration of exercise in the provocation of exercise–induced asthma. Morton AR, et al. **Ann Allergy** 1983 Nov; 51(5):530–4

Diagnostic procedures in allergy II. Bronchial provocation testing. Nelson HS. **Ann Allergy** 1983 Nov;51(5):488–92 (52 ref.)

Bronchoprovocative tests. Clinical usefulness and limitations [editorial] Bewtra A, et al. **Arch Intern Med** 1984 May; 144(5):925–6

Methacholine challenge test. Fetters LJ, et al. **Arch Intern Med** 1984 May;144(5):938–40

Diagnosis and clinical assessment of asthma. Lindsay D. **Aust Fam Physician** 1983 Sep;12(9):644–5

Archie: the use of a microcomputer in an allergy clinic. Tanser AR, et al. **Br J Dis Chest** 1984 Apr;78(2):135–9

Variable intrathoracic airways obstruction masquerading as asthma [letter] **Br Med J [Clin Res]** 1983 Dec 10;

287(6407):1795–6
Asthma presenting as cor pulmonale. Corris PA, et al. **Br Med J [Clin Res]** 1984 Feb 4;288(6414):389–90
Variable intrathoracic airways obstruction masquerading as asthma. McGregor CG, et al. **Br Med J [Clin Res]** 1983 Nov 12;287(6403):1457–8
ABC of asthma. Asthma in children: diagnosis. Price J. **Br Med J [Clin Res]** 1984 Jun 2;288(6431):1666–8
ABC of asthma. Definition and diagnosis. Rees J. **Br Med J [Clin Res]** 1984 May 5;288(6427):1370–2
Upper airway obstruction presenting as exercise-induced asthma. Lakin RC, et al. **Chest** 1984 Sep;86(3):499–501
Monitoring of maximum expiratory peak flow rates and histamine inhalation tests in the investigation of occupational asthma. Cartier A, et al. **Clin Allergy** 1984 Mar;14(2):193–6
A study on the reproducibility of specific bronchial provocation testing in children. Rufin P, et al. **Clin Allergy** 1984 Jul;14(4):387–97
Diagnosing asthma in the young child. Berman BA, et al. **Cutis** 1984 Jan;33(1):36, 38, 41
Diet and asthma in infancy and childhood. Dannaeus A. **Eur J Respir Dis [Suppl]** 1984;136:165–7
Allergy diagnosis and specific therapy in asthma—when, where and how? Eriksson NE. **Eur J Respir Dis [Suppl]** 1984;136:139–59
Methodological aspects of assessment of non-specific bronchial hyperreactivity. Löwhagen O. **Eur J Respir Dis [Suppl]** 1984;136:33–40
Some procedures used to assess clinical airway hyperreactivity. Löwhagen O. **Eur J Respir Dis [Suppl]** 1983;131:215–39
Acetylcholine-induced bronchospasm in asthma patients: dose/response curves. Taytard A, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 2):513–4
Food and asthma II. Zetterström O. **Eur J Respir Dis [Suppl]** 1984;136:169–73
Food and asthma I. Zetterström O. **Eur J Respir Dis [Suppl]** 1984;136:161–3
A predictor index for hospitalization for patients with acute asthmatic attack. Eliakim R, et al. **Isr J Med Sci** 1984 Mar; 20(3):202–6
Methods of exercise challenge. Eggleston PA. **J Allergy Clin Immunol** 1984 May;73(5 Pt 2):666–9
Specificity and sensitivity of methacholine inhalation challenge in normal and asthmatic children. Hopp RJ, et al. **J Allergy Clin Immunol** 1984 Aug;74(2):154–8
Effect of sodium cromoglycate on histamine inhalation tests. Lemire I, et al. **J Allergy Clin Immunol** 1984 Feb; 73(2):234–9
The scope and state of pediatric asthma. Tinkelman DG. **J Asthma** 1983;20(5):331–4
Clinical assessment, spirometry and arterial blood gas tensions in status asthmaticus. Gupta S, et al. **J Indian Med Assoc** 1984 Feb;82(2):49–52
Bronchial challenge with formaldehyde gas: lack of bronchoconstriction in 13 patients suspected of having formaldehyde-induced asthma. Frigas E, et al. **Mayo Clin Proc** 1984 May;59(5):295–9
Predicting relapse in acute asthma [letter] **N Engl J Med** 1984 Jul 19;311(3):197–8
Inability to predict relapse in acute asthma. Centor RM, et al. **N Engl J Med** 1984 Mar 1;310(9):577–80
Vocal-cord dysfunction presenting as asthma [letter] Maricle R. **N Engl J Med** 1983 Nov 10;309(19):1190–1
Asthma presenting as cor pulmonale. Dunn AM, et al. **Postgrad Med J** 1983 Dec;59(698):777–8
Pitfalls in the diagnosis of asthma [editorial] Hetzel MR. **Postgrad Med J** 1983 Dec;59(698):739–42
Tracheal obstruction presenting as asthma. Parrish RW, et al. **Postgrad Med J** 1983 Dec;59(698):775–6
Asthma vs. non-specific reversible airflow obstruction: clinical features and responsiveness to anticholinergic drugs. Jolobe OM. **Respiration** 1984;45(3):237–42
A comparison of three methods of measuring broncholability in asthmatics, bronchitic cigarette smokers and normal subjects. Khoo KT, et al. **Respiration** 1984;45(3):219–24
Bronchial challenge with hypertonic KCl solution in the diagnosis of bronchial asthma. A comparison with the challenge performed by inhalation of distilled water. Magyar P, et al. **Schweiz Med Wochenschr** 1984 Jun 23; 114(25):910–3
Strongyloidiasis manifested as asthma. Dunlap NE, et al. **South Med J** 1984 Jan;77(1):77–8
Persisting 'asthma' in tropical pulmonary eosinophilia [letter] DeBlic J, et al. **Thorax** 1984 May;39(5):398–9
Persisting 'asthma' in tropical pulmonary eosinophilia. Jones DA, et al. **Thorax** 1983 Sep;38(9):692–3
[Application of the test on basophil histamine release (HRBT) in the etiologic diagnosis of allergic asthma] Yin KS. **Chung Hua I Hsueh Tsa Chih** 1983 Sep;63(9):549–52 (Eng. Abstr.) (Chi)
[Evaluation of the reactivity of the bronchial system in preschool-age children using the histamine provocation test] Mrzena B. **Cesk Pediatr** 1983 Sep;38(9):553–5 (Eng. Abstr.) (Cze)
[Bronchial response to carbachol and isocapnic hyperventilation in asthma] Gillioz F, et al. **Bull Eur Physiopathol Respir** 1983 Nov–Dec;19(6):563–6 (Eng. Abstr.) (Fre)
[Effects of latency time on the type of bronchial response in specific provocation tests] Thenault D, et al. **Respiration** 1984;45(3):243–54 (Eng. Abstr.) (Fre)
[Bronchial hyper-reactivity] Fréour P. **Rev Mal Respir** 1984; 1(2):73–4 (Fre)
[Clinical aspects of occupational asthma] Bessot JC, et al. **Rev Pneumol Clin** 1984;40(2):109–19 (Eng. Abstr.) (Fre)
[Study of bronchial hyperreactivity by inhalation of measured aerosol sprays of methacholine] Zellweger JP, et al. **Schweiz Med Wochenschr** 1984 Jun 23;114(25):913–6 (Eng. Abstr.) (Fre)
[Asthma—clinical presentation and diagnostic methods] Zellweger JP. **Schweiz Rundsch Med Prax** 1984 Jan 3; 73(1):7–8 (Eng. Abstr.) (Fre)
[Status asthmaticus and severe asthma attack in childhood—diagnosis and treatment] Wunderlich P, et al. **Kinderarztl Prax** 1983 Aug;51(8):362–6 (Eng. Abstr.) (Ger)
[Spontaneous bronchial motoricity as a measure of bronchial hyperreactivity as well as a sensitive measurement in provocation] Barnikol WK. **Prax Klin Pneumol** 1983 Oct; 37 Suppl 1:682–4 (Eng. Abstr.) (Ger)
[Cause of bronchial hypersensitivity to histamine and carbachol] Hartmann V, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:740–1 (Eng. Abstr.) (Ger)
[Oscillatory-determined reactance in inhaled provocation] Hessler T, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:1081–4 (Eng. Abstr.) (Ger)
[Evaluation criteria for inhalation provocation tests by comparative study of various function parameters] Loytved G, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:1085–7 (Eng. Abstr.) (Ger)
[The irritable bronchial system] Ulmer WT. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:638–43 (Eng. Abstr.) (Ger)
[Reproducibility of the results of bronchial reactivity tests] Kandt D. **Z Erkr Atmungsorgane** 1984;162(1):30–5 (Eng. Abstr.) (Ger)
[Normalization of the 'occupational' specific bronchoreactive tests in occupational medicine, Study group of the Italian Society of Occupational Medicine and Industrial Hygiene] **G Ital Med Lav** 1983 May;5(3):117–21 (Ita)
[Bronchial hyperresponsiveness induced by toluene diisocyanate] Mapp C, et al. **Med Lav** 1984 Mar–Apr; 75(2):115–9 (Eng. Abstr.) (Ita)
[Influence of alternation in the period of acetylcholine aerosol inhalation on the respiratory threshold of acetylcholine in acetylcholine inhalation tests. Cumulative dose–effect of acetylcholine administered in serially increasing doses] Fukuda T, et al. **Arerugi** 1984 Jan;33(1):52–8 (Eng. Abstr.) (Jpn)
[Airway response to inhaled methacholine and to exercise in adult asthmatics] Hirata K. **Arerugi** 1983 Oct; 32(10):1029–39 (Eng. Abstr.) (Jpn)
[Clinical evaluation of standard method of acetylcholine inhalation test in bronchial asthma] Makino S, et al. **Arerugi** 1984 Mar;33(3):167–75 (Eng. Abstr.) (Jpn)
[Evaluation of a bronchial hypersensitivity test by the oscillation method—with special reference to bronchial asthma in adult] Tanaka M, et al. **Arerugi** 1983 Apr; 32(4):183–92 (Eng. Abstr.) (Jpn)
[Morphological evaluation of the basiphils and its diagnostic significance] Takahashi K. **Rinsho Byori** 1983 Jun; 31(6):567–76 (Jpn)
[Bronchial reactivity assessed by the methacholine test] Gulsvik A, et al. **Tidsskr Nor Laegeforen** 1984 Jun 20; 104(17–18):1225–8 (Eng. Abstr.) (Nor)
[The methacholine test in asthma] Skarpaas IJ. **Tidsskr Nor Laegeforen** 1984 Jan 20;104(2):87–8 (Eng. Abstr.) (Nor)
[Results of prick skin tests in various respiratory tract diseases in children] Zychowicz C, et al. **Pediatr Pol** 1984 Apr; 59(4):303–9 (Eng. Abstr.) (Pol)
[Effect of lidocaine on histamine-induced bronchial spasm] Krasnowska M, et al. **Pneumonol Pol** 1983 Dec; 51(12):613–6 (Eng. Abstr.) (Pol)
[Automatic assistance in the diagnosis of chronic and nonspecific lung diseases and bronchial asthma. I. Use of Wilks' lambda statistics for the selection of an optimal set of variables for a diagnostic model] Liebhart J, et al. **Pneumonol Pol** 1983 Jul;51(7):401–7 (Eng. Abstr.) (Pol)
[Automatic assistance in the diagnosis of chronic nonspecific lung diseases and bronchial asthma. II. Process of automatic differentiation of diseases with classical methods of discriminative analysis using variables of a quantitative character] Liebhart J, et al. **Pneumonol Pol** 1983 Jul; 51(7):409–14 (Eng. Abstr.) (Pol)
[Use of helium-oxygen mixture for the diagnosis of obstructive bronchial disease] Doboszyńska A, et al. **Pol Arch Med Wewn** 1984 Jan;71(1):35–40 (32 ref.) (Pol)
[The diagnostic, pathogenic and therapeutic bases of asthma. I. Diagnostic bases] Ionescu C, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Apr–Jun;87(2):193–8 (Rum)
[Diagnostic criteria in membranopathological processes in the lung based on the analysis of bronchial washings] Krylov VI, et al. **Lab Delo** 1983;(9):41–3 (Eng. Abstr.) (Rus)
[Diagnostic criteria and therapy of status asthmaticus in children] Balabolkin II, et al. **Pediatriia** 1983 Jun;(6):46–8 (Rus)
[Corticoid-dependent form of bronchial asthma (problems of its clinical aspects, pathogenesis and treatment)] Chuchalin AG, et al. **Ter Arkh** 1984;56(3):142–50 (81 ref.) (Rus)
[Anesthesiological management in therapeutic-diagnostic bronchoscopy of bronchial asthma] Pugachev VS, et al. **Vrach Delo** 1983 Sep;(9):50–4 (Eng. Abstr.) (Rus)
[The living environment and childhood bronchial asthma] Radivojević S, et al. **Srp Arh Celok Lek** 1983 Apr; 111(4):469–74 (Sec)
[Bronchial reactivity in healthy persons and in patients with bronchial asthma and chronic bronchitis] Stangl B, et al. **Plucne Bolesti Tuberk** 1983 Jan–Dec;35(1–4):117–23 (Eng. Abstr.) (Scr)

DIET THERAPY

A feast for Aesculapius: historical diets for asthma and sexual pleasure. Cosman MP. **Annu Rev Nutr** 1983;3:1–33 (64 ref.)
Diet regimen in asthma? Boëthius G, et al. **Eur J Respir Dis [Suppl]** 1984;136:179–84
Tryptophan and endogenous asthma. Unge G, et al. **Eur J Respir Dis [Suppl]** 1984;136:175–6
Food and asthma III. Zetterström O. **Eur J Respir Dis [Suppl]** 1984;136:177–8
Milk protein-free diet for nonseasonal asthma and migraine in lactase-deficient patients. Ratner D, et al. **Isr J Med Sci** 1983 Sep;19(9):806–9

DRUG THERAPY

Pathophysiology and treatment of asthma and arthritis. Symposium held at Erasmus University, Rotterdam, October 14–15, 1982 to celebrate the 60th birthday of Prof. Dr. I.L. Bonta. **Agents Actions [Suppl]** 1984;14:1–259
Treatment of bronchial asthma. Morley J. **Agents Actions [Suppl]** 1984;14:105–17
The pharmacology of anti-asthmatic drugs. Nijkamp FP. **Agents Actions [Suppl]** 1984;14:83–103
A clinical comparison of aerosol and powder administration of beclomethasone dipropionate in childhood asthma. Bisgaard H, et al. **Allergy** 1984 Jul;39(5):365–9
Comparison of a sustained-release preparation (Theo-Dur) with a conventional preparation (Nuelin) in the treatment of chronic asthma. Haahtela T, et al. **Allergy** 1983 Nov; 38(8):589–92
Cumulative dose response study comparing clinical effects of two doses of terbutaline sulphate administered via a 750 ml spacer to asthmatic patients. Laursen LC, et al. **Allergy** 1984 Jan;39(1):13–6
Bronchodilation of terbutaline in small doses from a 750 ml spacer. A cumulative dose–response study. Munch EP, et al. **Allergy** 1983 Oct;38(7):487–91
A new aerosol formulation of sodium cromoglycate compared with conventional powder in the treatment of asthma. Stevens E, et al. **Allergy** 1984 Apr;39(3):179–82
Nifedipine—a calcium channel blocker—in asthmatic patients. Interaction with terbutaline. Svedmyr K, et al. **Allergy** 1984 Jan;39(1):17–22
Effect of outpatient treatment of asthma with beta agonists on the response to sympathomimetics in an emergency room. Rossing TH, et al. **Am J Med** 1983 Nov;75(5):781–4
On the importance of route of administration of steroids [letter] Wightkin WT. **Am J Med** 1984 Feb;76(2):A82, A101
Tolerance to inhaled fenoterol. Angelici E, et al. **Am Rev Respir Dis** 1984 Jun;129(6):1014–6
Hydroxychloroquine for asthma [letter] Goldstein JA. **Am Rev Respir Dis** 1983 Dec;128(6):1100–1
Effects of inhaled budesonide alone and in combination with low-dose terbutaline in children with exercise-induced asthma. Henriksen JM, et al. **Am Rev Respir Dis** 1983 Dec; 128(6):993–7
Effects of theophylline on inhaled methacholine and histamine in asthmatic children. McWilliams BC, et al. **Am Rev Respir Dis** 1984 Aug;130(2):193–7
Use of spacers to facilitate inhaled corticosteroid treatment of asthma. Toogood JH, et al. **Am Rev Respir Dis** 1984 May;129(5):723–9
A comparative study of aerosolized terbutaline and subcutaneously administered epinephrine in the treatment of acute bronchial asthma. Baughman RP, et al. **Ann Allergy** 1984 Aug;53(2):131–4
Increased theophylline clearance in a patient with hyperthyroidism. Bauman JH, et al. **Ann Allergy** 1984 Feb; 52(2):94–6
Terbutaline sulfate and isoproterenol sulfate (metered dose aerosols) in the treatment of asthma. Kemp JP, et al. **Ann Allergy** 1983 Oct;51(4):436–40
Combined therapy with ipratropium and theophylline in asthma. Kreisman H, et al. **Ann Allergy** 1984 Feb;52(2):90–3
Long term trial of ketotifen in bronchial asthma. Podleski WK, et al. **Ann Allergy** 1984 Jun;52(6):406–10
Nebulised ipratropium bromide and sodium cromoglycate in the first two years of life. Henry RL, et al. **Arch Dis Child** 1984 Jan;59(1):54–7
Adrenaline and nebulized salbutamol in acute asthma. Turpeinen M, et al. **Arch Dis Child** 1984 Jul;59(7):666–8
Methylprednisolone in status asthmaticus [letter] Rogol PR. **Arch Intern Med** 1984 Jun;144(6):1305
Management of the acute asthma attack at home. Bowler S, et al. **Aust Fam Physician** 1983 Sep;12(9):638–41
Drug therapy in asthma. McLaughlin PG. **Aust Fam Physician** 1984 Mar;13(3):199–203
Inhaled Fenoterol powder in asthma: a long term study. Dawson KP, et al. **Aust Paediatr J** 1983 Jun;19(2):94–6

Medication compliance in children with asthma. Smith NA, et al. **Aust Paediatr J** 1984 Mar;20(1):47–51

Twice daily slow-release theophylline vs placebo for 'morning-dipping' in asthma. Davies PD, et al. **Br J Clin Pharmacol** 1984 Mar;17(3):335–40

Age and the prescription of drugs for asthma. Connolly CK. **Br J Clin Pract** 1984 Feb;38(2):45–8

The influence of controlled release theophylline on cold air induced bronchoconstriction in asthma. Godden DJ, et al. **Br J Clin Pract [Symp Suppl]** 1984;32:25–9

The effects of increasing the evening dose of controlled release theophylline in patients with reversible airways obstruction. Haig G. **Br J Clin Pract [Symp Suppl]** 1984; 32:22–4

Serum theophylline levels in children after a single dose of Uniphyllin Unicontin tablets. Nerminathan V, et al. **Br J Clin Pract [Symp Suppl]** 1984;32:30–1

Predicting rapid and slow response to treatment in acute severe asthma. Benfield GF, et al. **Br J Dis Chest** 1983 Jul;77(3):249–54

The effect of astemizole on exercise-induced asthma. Clee MD, et al. **Br J Dis Chest** 1984 Apr;78(2):180–3

Nebulized salbutamol in life-threatening asthma: is IPPB necessary? Fergusson RJ, et al. **Br J Dis Chest** 1983 Jul; 77(3):255–61

Bronchodilator effect of two inhaled H1-receptor antagonists, clemastine and chlorpheniramine, in wheezy school-children. Hodges IG, et al. **Br J Dis Chest** 1983 Jul;77(3):270–5

Bronchodilator effects of disodium cromoglycate in exercise-induced bronchoconstriction. Jones RM, et al. **Br J Dis Chest** 1983 Oct;77(4):362–9

Conical spacer devices in severe asthma [letter] **Br Med J [Clin Res]** 1984 May 5;288(6427):1379–80

Asthma inhalation devices: what do we know? Burton AJ. **Br Med J [Clin Res]** 1984 Jun 2;288(6431):1650–1

Potential limitations of a conical spacer device in severe asthma. Cox ID, et al. **Br Med J [Clin Res]** 1984 Apr 7; 288(6423):1044

Illogical warnings on Ventolin inhalers [letter] Crompton GK. **Br Med J [Clin Res]** 1984 Apr 21;288(6425):1231–2

Nebuhaler versus nebuliser in children with acute asthma. Freelander M, et al. **Br Med J [Clin Res]** 1984 Jun 23; 288(6434):1873–4

A new treatment for asthma: promotional expediency versus pharmaceutical responsibility [letter] Gregg I. **Br Med J [Clin Res]** 1984 Jan 7;288(6410):68–9

Incidence of cardiac arrhythmias in patients taking slow release salbutamol and slow release terbutaline for asthma. Al-Hillawi AH, et al. **Br Med J [Clin Res]** 1984 Feb 4; 288(6414):367

Rational treatment of asthma [letter] Ind PW. **Br Med J [Clin Res]** 1984 Feb 11;288(6415):484–5

Trends in sales of drugs for asthma in New Zealand, Australia, and the United Kingdom, 1975–81. Keating G, et al. **Br Med J [Clin Res]** 1984 Aug 11;289(6441):348–51

Postmarketing surveillance: practical experience with ketotifen. Maclay WP, et al. **Br Med J [Clin Res]** 1984 Mar 24;288(6421):911–4

Bronchoconstriction induced by ipratropium bromide in asthma: relation to hypotonicity. Mann JS, et al. **Br Med J [Clin Res]** 1984 Aug 25;289(6443):469

Terfenadine in exercise induced asthma. Patel KR. **Br Med J [Clin Res]** 1984 May 19;288(6429):1496–7

ABC of asthma. Asthma in children: treatment. Price J. **Br Med J [Clin Res]** 1984 Jun 23;288(6434):1895–7

Treatment of chronic asthma. Rees J. **Br Med J [Clin Res]** 1984 Jun 16;288(6433):1819–21

Drug treatment in acute asthma. Rees J. **Br Med J [Clin Res]** 1984 Jun 9;288(6432):1747–50

Asthma in children [letter] Speight N, et al. **Br Med J [Clin Res]** 1984 Jul 21;289(6438):185–6

Drugs for asthma in New Zealand, Australia, and the United Kingdom [letter] Symon DN. **Br Med J [Clin Res]** 1984 Sep 1;289(6444):556–7

Addiction to aerosol treatment: the asthmatic alternative to glue sniffing. Thompson PJ, et al. **Br Med J [Clin Res]** 1983 Nov 19;287(6404):1515–6

Asthma associated with N-acetylcysteine infusion and paracetamol poisoning [letter] Vale JA, et al. **Br Med J [Clin Res]** 1983 Oct 22;287(6400):1223

Deaths from asthma [letter] Wood N, et al. **Br Med J [Clin Res]** 1984 Jul 21;289(6438):186

Here come the anticholinergics [editorial] Baigelman W. **Chest** 1984 Mar;85(3):297

Nitroglycerin therapy of asthma [letter] Goldstein JA. **Chest** 1984 Mar;85(3):449

Exacerbation of bronchial asthma following treatment with amiodarone. Demonstration of an antiadrenergic effect in vitro. Hunt D, et al. **Chest** 1984 Sep;86(3):492–4

Effect of inhaled glycopyrrolate and atropine in asthma. Precipitated by exercise and cold air inhalation. Johnson BE, et al. **Chest** 1984 Mar;85(3):325–8

Assessment of tachyphylaxis following prolonged therapy of asthma with inhaled albuterol aerosol. Repsher LH, et al. **Chest** 1984 Jan;85(1):34–8

Sodium cromoglycate in histamine and methacholine reactivity in asthma. Patel KR. **Clin Allergy** 1984 Mar; 14(2):143–5

The dose-duration effect of sodium cromoglycate in exercise-induced asthma. Patel KR, et al. **Clin Allergy** 1984 Jan;14(1):87–91

Cardiopulmonary responses of asthmatic children to strenuous exercise. Effect of theophylline. Chryssanthopoulos C, et al. **Clin Pediatr (Phila)** 1984 Jul; 23(7):384–8

Problems with asthma studies [letter] Brandstetter RD, et al. **Clin Pharm** 1983 Sep–Oct;2(5):399–400

Controversies in asthma therapy with theophylline and the beta 2-adrenergic agonists. Kelly HW. **Clin Pharm** 1984 Jul–Aug;3(4):386–95 (139 ref.)

Cromolyn. Berman BA, et al. **Clin Rev Allergy** 1983 Mar; 1(1):105–21 (103 ref.)

Adrenergic drugs. Bierman CW. **Clin Rev Allergy** 1983 Mar; 1(1):87–104 (65 ref.)

Theophylline. Ellis EF. **Clin Rev Allergy** 1983 Mar;1(1):73–85 (60 ref.)

A 25-year perspective of status asthmaticus. Mansmann HC Jr. **Clin Rev Allergy** 1983 Mar;1(1):147–62 (71 ref.)

Adrenal corticosteroids in the treatment of asthma. Siegel SC. **Clin Rev Allergy** 1983 Mar;1(1):123–46 (117 ref.)

The athlete with asthma and allergies. Kolski GB. **Clin Sports Med** 1982 Nov;1(3):397–407 (34 ref.)

Treating the elderly asthmatic patient. Bardana EJ Jr. **Compr Ther** 1984 Jul;10(7):15–23

Managing asthma during pregnancy. Stablein JJ, et al. **Compr Ther** 1984 Mar;10(3):45–52

The treatment of asthma in adults using sodium cromoglycate pressurized aerosol: a double-blind controlled trial. Rubin AE, et al. **Curr Med Res Opin** 1983;8(8):553–8

A dose-response study on fenoterol (Berotec) solution by inhalation in asthmatic children. Blackhall MI, et al. **Dev Pharmacol Ther** 1983;6(6):374–80

Combined methylxanthines and beta-adrenergic agonists in the treatment of severe asthma. Morell F, et al. **Drug Intell Clin Pharm** 1983 Nov;17(11):820–1

Do mucolytics help in chronic bronchitis and asthma? **Drug Ther Bull** 1984 Apr 20;22(8):29–31

Beclomethasone dipropionate. A reappraisal of its pharmacodynamic properties and therapeutic efficacy after a decade of use in asthma and rhinitis. Brogden RN, et al. **Drugs** 1984 Aug;28(2):99–126 (123 ref.)

Pharmacotherapy of asthma. Weinstein AM, et al. **Ear Nose Throat J** 1984 Feb;63(2):81, 84–6, 88–90 passim

Bioavailability and diurnal variation in absorption of sustained release theophylline in asthmatic children. Coulthard KP, et al. **Eur J Clin Pharmacol** 1983; 25(5):667–72

Bronchodilator effect of terbutaline aerosol is not affected by propellant vapour pressure or dose volume. Hidinger KG, et al. **Eur J Clin Pharmacol** 1983;25(6):735–8

Protective effect of oral oxyphenonium bromide, terbutaline and theophylline against the bronchial obstructive effects of inhaled histamine, acetylcholine and propranolol. Koëter GH, et al. **Eur J Clin Pharmacol** 1984;26(4):435–41

Bronchodilator effect of sublingual isosorbide dinitrate in asthma. Okayama M, et al. **Eur J Clin Pharmacol** 1984; 26(2):151–5

Evaluation of ketotifen (HC20-511) in bronchial asthma. Paterson JW, et al. **Eur J Clin Pharmacol** 1983;25(2):187–93

Comparative efficacy of different methods of nebulising terbutaline. Pedersen JZ, et al. **Eur J Clin Pharmacol** 1983; 25(6):739–42

Treatment of adult asthma: controlled double-blind clinical trial of oxitropium bromide. Taytard A, et al. **Eur J Clin Pharmacol** 1984;26(4):429–33

Individualizing theophylline dosage: evaluation of a single-point maintenance dose prediction method. Wilkens JH, et al. **Eur J Clin Pharmacol** 1984;26(4):491–8

A comparative trial of choline theophyllinate and controlled release aminophylline in chronic childhood asthma. Helms P, et al. **Eur J Pediatr** 1983 Dec;141(2):89–91

Dosing of inhaled corticosteroids and therapeutic goals in asthmatic patients. Berglund E, et al. **Eur J Respir Dis** 1984 Jul;65(5):319–20

Deep-inspiration induced bronchoconstriction: a mechanism for beclomethasone aerosol intolerance. Charpin D, et al. **Eur J Respir Dis** 1983 Oct;64(7):494–7

Comparison of a 750 ml spacer and a nebulizer in domiciliary treatment of severe chronic asthma with terbutaline. Laursen LC, et al. **Eur J Respir Dis** 1983 Oct;64(7):498–503

Intravenous enprofylline in asthma patients. Lunell E, et al. **Eur J Respir Dis** 1984 Jan;65(1):28–34

Effects of ketotifen on cholinergic induced airway obstruction. Matthys H, et al. **Eur J Respir Dis** 1983 Oct; 64(7):504–11

Therapeutic advantages of twice-daily over four-times daily inhalation budesonide in the treatment of chronic asthma. Nyholm E, et al. **Eur J Respir Dis** 1984 Jul;65(5):339–45

Treatment of acute asthma in children with rectal administration of aminophylline solution. Pedersen S, et al. **Eur J Respir Dis** 1984 Jul;65(5):354–61

Long-term treatment of children with sustained-release theophylline. Pedersen S, et al. **Eur J Respir Dis** 1983 Nov; 64(8):564–70

A comparison of oxitropium bromide and ipratropium bromide in asthma. Peel ET, et al. **Eur J Respir Dis** 1984 Feb;65(2):106–8

Pharmacokinetics and bronchodilatory effect of proxyphylline and theophylline. Rasmussen FV, et al. **Eur J Respir Dis** 1984 Jan;65(1):20–7

Personal observations on the use of inhaled corticosteroid drugs for chronic asthma. Toogood JH, et al. **Eur J Respir Dis** 1984 Jul;65(5):321–38 (99 ref.)

Symposium: Asthma treatment—a time for change? **Eur J Respir Dis [Suppl]** 1983;126:91–9

Asthma—pathophysiology and treatment. A symposium of Glaxo, Sweden. **Eur J Respir Dis [Suppl]** 1984;136:1–222

Protective effect of fenoterol spray, ipratropium bromide plus fenoterol spray, and oral clenbuterol, on exercise-induced asthma in children. Double blind controlled and randomized clinical trial. Agostini M, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 2):529–32

Combination of fenoterol and ipratropium bromide in the treatment of bronchial asthma. Alanko K, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 2):546–7

Effect of domiciliary treatment with nebulized beta 2-stimulants—a retrospective follow-up of 102 patients. Andersson L, et al. **Eur J Respir Dis [Suppl]** 1984; 136:205–12

Experience with the inhalation of Berotec powder in the treatment of asthma in children. Bach-Mortensen N. **Eur J Respir Dis [Suppl]** 1983;130:25–7

Beta-adrenoceptor agonist responses in the skin and lungs of asthmatic subjects. Basran GS, et al. **Eur J Respir Dis [Suppl]** 1984;135:198–201

Simultaneous treatment with terbutaline and theophylline. Billing B, et al. **Eur J Respir Dis [Suppl]** 1984;134:211–8

Domiciliary nebulized beta-agonists. Long-term treatment in asthmatics, and drug intake and plasma levels in acute asthma. Boe J. **Eur J Respir Dis [Suppl]** 1984;136:193–203

A comparison of fenoterol powder capsules and fenoterol metered dose spray in bronchial asthma. Boye NP, et al. **Eur J Respir Dis [Suppl]** 1983;130:9–11

Theophylline—clinical pharmacokinetics and therapeutic drug monitoring. Dahlqvist R, et al. **Eur J Respir Dis [Suppl]** 1984;136:81–94

Fenoterol inhalation powder as an alternative to treatment with the metered dose inhaler. Dirksen H, et al. **Eur J Respir Dis [Suppl]** 1983;130:48–53

Salbutamol versus Duovent (a combination of fenoterol and ipratropium bromide) in asthma. Flint K, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 2):548–50

Acute effect of ipratropium bromide at therapeutic dose on mucus transport of adult asthmatics. Foster WM, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 2):554–7

Acceptance of fenoterol powder for inhalation in children with bronchial asthma. Graff-Lonnevig V. **Eur J Respir Dis [Suppl]** 1983;130:31–5

Ventilatory and haemodynamic effects of beta 1-selective and beta 2-selective stimulation in asthmatic patients. Greefhorst AP, et al. **Eur J Respir Dis [Suppl]** 1984; 135:147–50

Optimal inhalation procedure for the fenoterol powder inhaler. Groth S, et al. **Eur J Respir Dis [Suppl]** 1983; 130:17–24

Pharmacological modulation of mediator release: therapeutic significance? Hegardt B. **Eur J Respir Dis [Suppl]** 1983; 129:112–47 (48 ref.)

Fenoterol versus salbutamol nebuliser solution in asthma. Hockley B, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 2):543–5

The use of fenoterol powder for the treatment of children with asthma. Holt J, et al. **Eur J Respir Dis [Suppl]** 1983; 130:28–30

The pathophysiology and treatment of asthma with bronchodilators and inhaled steroids. Kerrebijn KF. **Eur J Respir Dis [Suppl]** 1984;136:213–22

Glucocorticoids and asthma. Studies of resistance and systemic effects of glucocorticoids. Löfdahl CG, et al. **Eur J Respir Dis [Suppl]** 1984;136:69–79

Effects of beta 1-adrenoceptor stimulation and blockade studied in asthmatic airways. Löfdahl CG, et al. **Eur J Respir Dis [Suppl]** 1984;135:151–2

Selectivity of beta-adrenergic stimulating and blocking agents. Löfdahl CG, et al. **Eur J Respir Dis [Suppl]** 1984; 136:101–13

Oral terbutaline in chronic childhood asthma; effects related to plasma concentrations. Lönnerholm G, et al. **Eur J Respir Dis [Suppl]** 1984;134:205–10

Asthma—site of airway obstruction and aerosol deposition. Mossberg B. **Eur J Respir Dis [Suppl]** 1984;136:49–53

A cumulative dose response study of oxitropium bromide (Ba 253) in asthmatics. Pounsford JC, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 2):536–9

Oral administration of terbutaline in asthmatic patients. Ripe E, et al. **Eur J Respir Dis [Suppl]** 1984;134:171–9

Nebulised ipratropium bromide in wheezy infants and young children. Stokes GM, et al. **Eur J Respir Dis [Suppl]** 1983; 128 (Pt 2):494–8

Comparison of the effects of a new anticholinergic drug (AA 28-263, Sandoz) and terbutaline in a dose-response study in endogenous asthmatics. Svedmyr K, et al. **Eur J Respir Dis [Suppl]** 1984;136:95–100

New thoughts about the mechanisms of action of corticosteroids and theophylline in asthma. Svedmyr N. **Eur J Respir Dis [Suppl]** 1984;136:115–20

Airway hyperreactivity. Clinical treatment with drugs. Svedmyr N. **Eur J Respir Dis [Suppl]** 1983;13[illegible]3–29

Comparison of the bronchodilating action and of the tolerance of fenoterol and isoproterenol aerosols. Takishima T, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 2):540–2

The effects of oral and subcutaneous administration of terbutaline in asthmatic patients. van den Berg W, et al. **Eur J Respir Dis [Suppl]** 1984;134:181–93

Serum theophylline during acute asthmatic attacks. Tønnesen J. **Int Arch Allergy Appl Immunol** 1984;73(3):280–2

Comparative effects of SCH 1000 and fenoterol after histamine-induced bronchoconstriction in asymptomatic asthmatics. Scano G, et al.
Int J Clin Pharmacol Ther Toxicol 1984 Feb;22(2):81–5

Drugs in paediatric rehabilitation. Cain R.
Int Rehabil Med 1983;5(4):181–2

Adrenergic drugs for the treatment of asthma. Ahrens RC, et al. **Iowa Med** 1984 Jan;74(1):26–9 (10 ref.)

Spotlight on asthma and allergy [letter] Adler RJ.
J Allergy Clin Immunol 1984 Sep;74(3 Pt 1):307

Quantitative gastroesophageal reflux and pulmonary function in asthmatic children and normal adults receiving placebo, theophylline, and metaproterenol sulfate therapy. Berquist WE, et al. **J Allergy Clin Immunol** 1984 Feb;73(2):253–8

Bronchoalveolar lavage in asthma: the effect of disodium cromoglycate (cromolyn) on leukocyte counts, immunoglobulins, and complement. Diaz P, et al.
J Allergy Clin Immunol 1984 Jul;74(1):41–8

Fenoterol dose–response study in children with asthma. Feldman CH, et al. **J Allergy Clin Immunol** 1984 Mar; 73(3):356–62

Management of allergic Olympic athletes. Fitch KD.
J Allergy Clin Immunol 1984 May;73(5 Pt 2):722–7

Other pharmacologic agents that may affect bronchial hyperreactivity. Furukawa CT. **J Allergy Clin Immunol** 1984 May;73(5 Pt 2):693–8

Concomitant bitolterol mesylate aerosol and theophylline for asthma therapy, with 24 hr electrocardiographic monitoring. Kemp JP, et al. **J Allergy Clin Immunol** 1984 Jan;73(1 Pt 1):32–43

Response: asthma in childhood. Levison H, et al.
J Allergy Clin Immunol 1983 Nov;72(5 Pt 2):539–44 (49 ref.)

Dose, plasma concentration, and effect of oral terbutaline in long-term treatment of childhood asthma. Lönnerholm G, et al. **J Allergy Clin Immunol** 1984 Apr;73(4):508–15

Bronchodilator characteristics of nebulized metaproterenol sulfate, isoetharine, and atropine in chronic asthma. Peerless AG, et al. **J Allergy Clin Immunol** 1983 Dec;72(6):702–8

Effect of bronchodilator therapy administered by canister versus jet nebulizer. Shim CS, et al.
J Allergy Clin Immunol 1984 Mar;73(3):387–90

Drug abuse and the asthmatic patient: a case report. Szefler SJ, et al. **J Allergy Clin Immunol** 1984 Aug;74(2):201–4

Zinc status of asthmatic, prednisone-treated asthmatic, and non-asthmatic children. Goldey DH, et al.
J Am Diet Assoc 1984 Feb;84(2):157–63

Beclomethasone dipropionate and betamethasone valerate with sodium cromoglycate in steroid-dependent asthma in children. Gupta SK, et al. **J Assoc Physicians India** 1984 Mar;32(3):245–9

Long-term maintenance and preventive pharmacologic therapy for asthma. Bock SA. **J Asthma** 1983;20(5):335–9

'Great expectations'—the Dickens you say! Ghory JE.
J Asthma 1984;21(4):273–4

Ancillary medical therapy: help or hindrance. Selcow JE.
J Asthma 1983;20(5):369–75

Cromolyn therapy in children. Selcow JE. **J Asthma** 1983; 20(5):361–8

Role of patient compliance in the management of asthma. Voyles JB, et al. **J Asthma** 1983;20(5):411–8 (29 ref.)

Special considerations in the approach to asthma in infancy and early childhood. Zeiger RS. **J Asthma** 1983; 20(5):341–59 (72 ref.)

Prognostic factors predicting control of chronic asthma symptoms in children receiving prophylactic bronchodilator therapy. Ekwo E, et al. **J Chronic Dis** 1984; 37(4):263–71

Therapeutic progress—review XI. Drugs in asthma. Green ID. **J Clin Hosp Pharm** 1984 Mar;9(1):1–13 (79 ref.)

Dyphylline versus theophylline: a double-blind comparative evaluation. Furukawa CT, et al. **J Clin Pharmacol** 1983 Oct;23(10):414–8

Biopharmacotherapeutic approach to bronchial asthma. Rastogi SK, et al. **J Indian Med Assoc** 1983 Jul 1–16; 81(1–2):23–7 (17 ref.)

A comparative trial of two slow-release theophylline tablets in the treatment of asthma; Nuelin S.A. and Theocontin Continus tablets. Davies PD, et al. **J Int Med Res** 1984; 12(4):261–5

Rational dosage of intravenous aminophylline for Thai asthmatic children. Tuchinda M, et al.
J Med Assoc Thai 1984 Mar;67(3):170–5

Pulmonary response to a bronchodilator delivered from three inhalation devices. Rivlin J, et al. **J Pediatr** 1984 Mar; 104(3):470–3

Use of a nebulizer for acute asthma. Jenkinson D.
J R Coll Gen Pract 1983 Nov;33(256):725

Oral prophylaxis of bronchial asthma in children. Arif MA, et al. **JPMA** 1984 Apr;34(4):90–3

Effects of 8-(2-fluoroethyl)-3 alpha-hydroxy-1 alpha H, 5 alpha H-tropaniumbromide benzilate (Ba598Br) on allergy- and drug-induced asthmas. Yanaura S, et al.
Jpn J Pharmacol 1983 Oct;33(5):971–82

High-dose corticosteroid inhalers for asthma [editorial] **Lancet** 1984 Jul 7;2(8393):23

Inhaled therapy for morning 'dips' in asthma [letter] Barnes PJ, et al. **Lancet** 1984 Jul 7;2(8393):51–2

VIP and asthma [letter] Barnes PJ, et al. **Lancet** 1984 Jan 14;1(8368):112

High-dose corticosteroid inhalers for asthma [letter] Ebden P, et al. **Lancet** 1984 Sep 8;2(8402):576

Inhaled therapy reduces morning dips in asthma. Horn CR, et al. **Lancet** 1984 May 26;1(8387):1143–5

High-dose inhaled budesonide in treatment of severe steroid-dependent asthmatics [letter] Laursen LC, et al. **Lancet** 1983 Dec 3;2(8362):1305

Nebulisers for lung aerosol therapy [letter] Lewis R.
Lancet 1983 Oct 8;2(8354):849

Effect of forskolin on methacholine-induced bronchoconstriction in extrinsic asthmatics [letter] Lichey I, et al. **Lancet** 1984 Jul 21;2(8395):167

Safe drugs for childhood asthma? [letter] Lillington AW, et al. **Lancet** 1983 Oct 29;2(8357):1032–3

Aminophylline for morning dips in chronic asthma [letter] Manresa F, et al. **Lancet** 1984 Jul 7;2(8393):52

Vasoactive intestinal peptide causes bronchodilatation and protects against histamine-induced bronchoconstriction in asthmatic subjects. Morice A, et al. **Lancet** 1983 Nov 26; 2(8361):1225–7

Suppression of pituitary-adrenal axis in children on beclomethasone dipropionate inhalation therapy [letter] Pijls NH, et al. **Lancet** 1984 Jul 21;2(8395):173–4

Asthma, mast cells, and sodium cromoglycate [letter] Thompson PJ, et al. **Lancet** 1983 Oct 8;2(8354):848–9

Concentrated aerosol formulations in asthma [letter] Toogood JH. **Lancet** 1983 Oct 1;2(8353):790–1

Poor bronchodilator effect of oral etamiphylline in asthmatic children [letter] Vazquez C, et al. **Lancet** 1984 Apr 21; 1(8382):914

Proper use of clinical air pumps and nebulizers.
Med J Aust 1984 Jun 23;140(13):786–7

Management of 'wheezy bronchitis'. Mellis CM.
Med J Aust 1984 Aug 4;141(3):167–70

Asthma, bronchodilator drugs and education [editorial] Seale JP. **Med J Aust** 1984 Aug 4;141(3):170–1

Effect of inhaled ipratropium bromide on tracheal mucociliary transport in bronchial asthma. Bell JA, et al. **Mt Sinai J Med (NY)** 1984 Apr;51(2):215–7

The bronchodilator effects and pharmacokinetics of caffeine in asthma. Becker AB, et al. **N Engl J Med** 1984 Mar 22; 310(12):743–6

More on combined beta-agonists and methylxanthines in asthma [letter] Lehr D, et al. **N Engl J Med** 1983 Dec 22;309(25):1581–2

Caffeine for bronchial asthma [letter] Rifas DC.
N Engl J Med 1984 Jul 26;311(4):257

The use of inhaled high dose beclomethasone in the Waikato region [letter] French JK, et al. **NZ Med J** 1984 Aug 22; 97(762):576

Treatment of asthma [letter] Mackay M. **NZ Med J** 1983 Oct 26;96(742):814–5

Comparison of conventional and ultrasonic nebulisation of bronchodilator drugs in asthmatic subjects. Sears MR.
NZ Med J 1983 Nov 9;96(743 Pt 2):927–9

Cromolyn: past, present, and future. Berman BA.
Pediatr Clin North Am 1983 Oct;30(5):915–30

Current status of beta-adrenergic agonists in bronchial asthma. Galant SP. **Pediatr Clin North Am** 1983 Oct; 30(5):931–42 (45 ref.)

Practical considerations in the safe and effective use of theophylline. Szefler SJ. **Pediatr Clin North Am** 1983 Oct; 30(5):943–54

Theophylline for chronic asthma: rationale for treatment, product selection, and dosage schedule. Weinberger M, et al. **Pediatr Pharmacol (New York)** 1983;3(3–4):273–85 (24 ref.)

Development of posterior subcapsular cataracts in asthmatic children. Bhagat RG, et al. **Pediatrics** 1984 May; 73(5):626–30

Aerosol bag for administration of bronchodilators to young asthmatic children. Lee H, et al. **Pediatrics** 1984 Feb; 73(2):230–2

Vasoactive intestinal peptide as a bronchodilator in asthmatic subjects. Morice AH, et al. **Peptides (Fayetteville)** 1984 Mar–Apr;5(2):439–40

Albuterol: an adrenergic agent for use in the treatment of asthma pharmacology, pharmacokinetics and clinical use. Ahrens RC, et al. **Pharmacotherapy** 1984 May–Jun; 4(3):105–21

Controlled-release theophylline and proxyphylline in asthmatics: a comparative study. Mosbech H, et al.
Pharmatherapeutica 1984;3(9):626–30

Chronic and acute asthma. Keys to successful management. Cherniack RM. **Postgrad Med** 1984 Feb 1;75(2):87–98

Loading dose plus infusion of steroid recommended for acute asthma. Pinsky MR. **Postgrad Med** 1983 Nov;74(5):59–60

Anticholinergic drugs in airways obstruction. Anderson G.
Postgrad Med J 1983;59 Suppl 3:64–5

Ipratropium bromide in patients with nocturnal asthma. Cox ID, et al. **Postgrad Med J** 1984 Aug;60(706):526–8

Comparison of Duovent and salbutamol inhalers in chronic stable asthma. Fischbacher CM, et al. **Postgrad Med J** 1984; 60 Suppl 1:28–31

A comparison between a combination of ipratropium bromide plus fenoterol in a single metered dose inhaler (Duovent) and salbutamol in asthma. Flint KC, et al.
Postgrad Med J 1983 Nov;59(697):724–5

A more logical approach to asthma. Hetzel MR.
Postgrad Med J 1984 Mar;60(701):201–7 (84 ref.)

Fenoterol versus salbutamol nebulization in asthma. Hockley B, et al. **Postgrad Med J** 1983 Aug;59(694):504–5

Treatment of asthma in a general practice. Shee CD, et al.
Postgrad Med J 1984 May;60(703):336–7

The Blo-Bag, a disposable spacer. Woodcock A, et al.
Postgrad Med J 1984;60 Suppl 1:37–9

Management of acute asthma in general practice. Emmanuel J. **Practitioner** 1984 Apr;228(1390):397–405

An inexpensive nebuliser for asthmatic patients. Masters NJ.
Practitioner 1983 Nov;227(1385):1733–8

The drug treatment of asthma. Williams HO. **Practitioner** 1984 May;228(1391):503–8

Possibilities of reducing the efficient dose of fenotherol by combining it with ipratropiumbromide in bronchial asthma. Anastasatu C, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:929–30

Theophylline—plasma concentration related to bronchodilatation and side effects. Dahlqvist R.
Prax Klin Pneumol 1983 Oct;37 Suppl 1:911–3

News aspects of oral theophylline. Svedmyr N.
Prax Klin Pneumol 1983 Oct;37 Suppl 1:907–10

Controversies in the pharmacotherapy of childhood asthma. Isles AF. **Prog Clin Biol Res** 1983;135:251–65 (55 ref.)

Drug intake and plasma concentrations in acute asthma. Boe J, et al. **Respiration** 1984;45(4):430–7

Ketotifen: current views on its mechanism of action and their therapeutic implications. Craps LP, et al. **Respiration** 1984; 45(4):411–21

Effect of a calcium antagonist, nifedipine, in exercise-induced asthma. Crimi N, et al. **Respiration** 1984;45(3):262–4

Double-blind crossover study on the protective effect of fenoterol—administered by pressurized aerosol and in powder form—in allergen-induced asthma. D'Amato G, et al. **Respiration** 1984;45(3):276–80

Childhood asthma: improved efficacy of pressurized terbutaline aerosol by use of a 750-ml spacer. Hidinger KG, et al. **Respiration** 1984;45(2):157–60

Bronchodilator effects of fenoterol and salbutamol administered by intermittent positive pressure breathing to patients with asthma or chronic obstructive bronchitis. Lahdensuo A. **Respiration** 1984;45(1):67–70

Bronchodilatory effect of inhaled versus oral salbutamol in bronchial asthma. Louridas G, et al. **Respiration** 1983; 44(6):439–43

Long-term study of cloprednol in asthmatic patients. Miskovits G, et al. **Respiration** 1984;45(2):147–53

Mode of inhalation for trained and untrained asthmatics using a pressurized aerosol. Morén F, et al. **Respiration** 1984; 45(1):56–60

Influence of an extension tube on the bronchodilator efficacy of terbutaline delivered from a metered dose inhaler. Pauwels R, et al. **Respiration** 1984;45(1):61–6

Sustained-release theophylline preparations. A comparative survey of 467 patients. Steenhoek A, et al. **Respiration** 1984; 45(1):1–15

Assessment of a new combination inhaler containing salbutamol and beclomethasone dipropionate in the management of asthmatic patients. Plit M, et al.
S Afr Med J 1984 May 12;65(19):758–62

Sodium cromoglycate in asthma therapy. A retrospective survey. Weinberg EG, et al. **S Afr Med J** 1983 Nov 26; 64(23):896–9

Symptoms and peak expiratory flow rate: response to a slow release theophylline preparation. Ho TF, et al.
Singapore Med J 1983 Oct;24(5):280–4

Application of substrate-labelled fluorescent immunoassay to the measurement of anticonvulsant and antiasthmatic drug levels in plasma and serum. Toseland PA, et al.
Ther Drug Monit 1983;5(4):501–5

Bricanyl (terbutaline) treatment in obstructive bronchitis and asthma of childhood. Kövári K, et al. **Ther Hung** 1981; 29(2):87–90

Ketotifen and nocturnal asthma. Catterall JR, et al.
Thorax 1983 Nov;38(11):845–8

Comparison of three techniques of inhalation on the airway response to terbutaline. Cushley MJ, et al. **Thorax** 1983 Dec;38(12):908–13

Effect of naloxone on circadian rhythms in lung function. Al-Damluji S, et al. **Thorax** 1983 Dec;38(12):914–8

Long term treatment with theophylline increases malonyl dialdehyde plasma concentrations. Godard P, et al.
Thorax 1984 Feb;39(2):137–9

Effect of aerosol fenoterol on the severity of bronchial hyperreactivity in patients with asthma. Salome CM, et al. **Thorax** 1983 Nov;38(11):854–8

Comparison of oral prednisolone and intramuscular depot triamcinolone in patients with severe chronic asthma. Willey RF, et al. **Thorax** 1984 May;39(5):340–4

Opportunistic infection, asthma and corticosteroid therapy [letter] Schmidt-Nowara WW. **West J Med** 1984 Feb; 140(2):289–90

[Therapeutic effect of bronchospasmin in bronchial asthma patients] Kosturkov G, et al. **Vutr Boles** 1983;22(4):46–9 **(Bul)**

[Bronchodilator effect of terbutaline (Bricanyl) in bronchial asthma patients] Vülcheva T, et al. **Vutr Boles** 1984; 23(1):91–4 **(Bul)**

[Treatment of chronic bronchitis with 'tan chuan jing'—clinical study of 300 cases and a pharmacological experiment] Wang QW.
Chung Hsi I Chieh Ho Tsa Chih 1984 Apr;4(4):222–3 (Eng. Abstr.) **(Chi)**

[A model for anaphylactic asthma in dogs and the effects of isoproterenol] Bian RL.

Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih 1983 Jun;6(3):129–30 (Eng. Abstr.) (Chi)

[Modification of exercise-induced airway obstruction using a combination of 2 drugs] Gimeno F, et al. **Ned Tijdschr Geneeskd** 1983 Sep 3;127(36):1619–22 (Eng. Abstr.) (Dut)

[Treatment of 3 cases of status asthmaticus with halothane] Tauzin-Fin P, et al. **Ann Fr Anesth Reanim** 1983;2(4):312–6 (Eng. Abstr.) (Fre)

[Clinical study of an oral solution of ketotifen in children. Preliminary results of 257 cases] Sainmont C, et al. **Ann Pediatr (Paris)** 1984 Jan;31(1):81–4 (Eng. Abstr.) (Fre)

[Propranolol-nifedipine combination in the treatment of exercise-induced asthma] Quiret JC, et al. **Arch Mal Coeur** 1983 Oct;76(10):1171–7 (Eng. Abstr.) (Fre)

[Acute effect of ketotifen on non-specific bronchial reactivity in asthma] Lisboa C, et al. **Bull Int Union Tuberc** 1983 Jun;58(2):128–31 (Fre)

[Model for limiting respiratory outflow following a histamine test and physical exercise in asthmatics] Poppius H. **Bull Int Union Tuberc** 1983 Jun;58(2):126–8 (Fre)

[Multicenter study of a slow-release theophylline: armophylline] Akoun G, et al. **Poumon Coeur** 1983; 39(6):333–6 (Eng. Abstr.) (Fre)

[Asthmatic crises in children. Value of salbutamol nebulization (letter)] de Blic J, et al. **Presse Med** 1983 Dec 17;12(46):2947–8 (Fre)

[Sustained-action oral theophylline in the asthmatic child. Clinical, pharmacokinetic and respiratory function studies] Baculard A, et al. **Rev Fr Mal Respir** 1983;11(6):833–46 (Eng. Abstr.) (Fre)

[Measurement of the effect of a bronchodilator using FEV1: how to express it?] Gayrard P, et al. **Rev Mal Respir** 1984; 1(2):81–4 (Eng. Abstr.) (Fre)

[Mechanism of action of anti-asthma drugs] Pécoud A. **Schweiz Rundsch Med Prax** 1984 Jan 3;73(1):9–11 (Eng. Abstr.) (Fre)

[Bronchodilators] Advenier C, et al. **Sem Hop Paris** 1984 Jan 26;60(3):179–93 (107 ref.) (Eng. Abstr.) (Fre)

[Pharmacokinetics of oral theophylline in asthmatic patients on long-term corticoid therapy] Albin H, et al. **Therapie** 1983 Jul-Aug;38(4):333–9 (Eng. Abstr.) (Fre)

[Pharmacotherapy in severe asthma attacks (letter)] Grebe I. **Dtsch Med Wochenschr** 1983 Nov 18;108(46):1775 (Ger)

[Asthma therapy and pregnancy] Rüegger M, et al. **Dtsch Med Wochenschr** 1984 May 11;109(19):753–4 (Ger)

[Therapy with theophylline] Geisler LS. **Fortschr Med** 1983 Oct 6;101(37):1674 (Ger)

[Blockade of exercise-induced bronchial asthma by fenoterol] Magnussen H, et al. **Klin Wochenschr** 1984 Feb 15; 62(4):168–74 (Eng. Abstr.) (Ger)

[Effect, tolerance and dose dependence of salbutamol powder inhalations] Nakhosteen JA, et al. **Med Welt** 1983 Nov 4; 34(44):1254–7 (Ger)

[Drug information: Uniphylline. Rhythm therapy of bronchial asthma] **MMW** 1983 Jul 22;125(32–33):64–8 (Ger)

[Combination aerosol for bronchial asthma in childhood] Klabuschnigg A, et al. **Padiatr Padol** 1983;18(4):347–53 (Eng. Abstr.) (Ger)

[Effect of the inhalation of an atropine derivative (ipratropium bromide) in powder form on respiratory mechanics in obstructive airway diseases] Götz R, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:927–8 (Eng. Abstr.) (Ger)

[1-second value and oscillatory airway resistance in the evaluation of the effectiveness of beta-adrenergic agents under general practice conditions] Kropp R, et al. **Prax Klin Pneumol** 1983 Nov;37(11):1178–83 (Eng. Abstr.) (Ger)

[Protective effect of disodium cromoglycinic acid (DSCG) on inhalative thermal provocation in bronchial asthma] Magnussen H, et al. **Prax Klin Pneumol** 1983 Sep; 37(9):364–71 (Eng. Abstr.) (Ger)

[Inhibition of anti-IgE-stimulated histamine liberation from sensitized leukocytes of patients with allergic bronchial asthma treated with theophylline] Morr H, et al. **Prax Klin Pneumol** 1984 Apr;38(4):129–31 (Eng. Abstr.) (Ger)

[Synoptic evaluation of lung function in bronchospasmolytic therapy] Schlimmer P, et al. **Prax Klin Pneumol** 1983 Oct; 37 Suppl 1:1088–90 (Eng. Abstr.) (Ger)

[Clinical trial of a pediatric oral sustained-release theophylline preparation] Zach M, et al. **Prax Klin Pneumol** 1984 May;38(5):182–7 (Eng. Abstr.) (Ger)

[Asthma and pregnancy] Bachofen H. **Schweiz Med Wochenschr** 1984 Mar 17;114(11):369–73 (Eng. Abstr.) (Ger)

[Inhalative steriod treatment in bronchial asthma] Stiksa G. **Schweiz Med Wochenschr** 1984 May 12;114(19):642–8 (Eng. Abstr.) (Ger)

[Comparison of 2 theophylline delayed-action preparations of different galenic forms] Hirsch H. **Wien Med Wochenschr** 1983 Aug 31;133(15–16):403–8 (Eng. Abstr.) (Ger)

[Initial values and drug effects] Pöch G. **Wien Med Wochenschr** 1984 Apr 15;134(7):153–7 (Eng. Abstr.) (Ger)

[Current dosed aerosols in the treatment of obstructive respiratory tract diseases. 1. Intal] Barthel E. **Z Arztl Fortbild (Jena)** 1983;77(17):721–3 (16 ref.) (Ger)

[Therapeutic value of antihistamines today. Dermatoses and allergic diseases of the mucous membranes] Stüttgen G, et al. **Z Hautkr** 1984 Mar 15;59(6):355–66 (Eng. Abstr.) (Ger)

[Asthma therapy. Clinical trial of 2 proxyphylline/ephedrine combinations with immediate and long-term effect] Mirsching G. **ZFA (Stuttgart)** 1983 Oct 31;59(30):1703–5 (Ger)

[Nebulized sodium cromoglycate in asthmatic children] Zareceansky S, et al. **Harefuah** 1983 Nov 1;105(9):257–8 (Eng. Abstr.) (Heb)

[Long-term Cortrosyn-depot therapy of steroid-dependent patients suffering from bronchial asthma] Rott Z, et al. **Orv Hetil** 1983 Jul 31;124(31):1883–6 (Eng. Abstr.) (Hun)

[Severe asthma attack in a patient with intrinsic aspirin-sensitive bronchial asthma induced by intravenous administration of steroid] Rott Z. **Orv Hetil** 1984 Jan 29; 125(5):275–7 (Eng. Abstr.) (Hun)

[Efficacy of long-term treatment with DSCG of asthma in painters] Orefice U, et al. **Arch Monaldi** 1983 Jul-Aug; 38(4):157–66 (Eng. Abstr.) (Ita)

[Evaluation of the bronchodilating activity of carbuterol and fenoterol] Palmieri F, et al. **Arch Monaldi** 1983 Jan-Apr; 38(1–2):9–16 (Eng. Abstr.) (Ita)

[Clinico-experimental possibilities in asthma] Debelic M. **Clin Ter** 1984 Feb 29;108(4):273–82 (Eng. Abstr.) (Ita)

[Adrenocortical function, carbohydrate metabolism and electrolyte excretion after a month of corticosteroid therapy of bronchial asthma] Siracusa A, et al. **Clin Ter** 1984 Mar 15;108(5):411–9 (Eng. Abstr.) (Ita)

[The effects of Ca++ antagonists nifedipine and nicardipine on slow reacting substance of anaphylaxis (SRS-A) mediated bronchoconstriction in guinea pig] Koshino T. **Arerugi** 1984 Jan;33(1):6–16 (Eng. Abstr.) (Jpn)

[Clinical studies on heparin therapy of bronchial asthma] Tanizaki Y, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Oct;21(10):988–92 (Eng. Abstr.) (Jpn)

[Effects and site of action of alpha-receptor blocker in bronchial asthma] Tsuya Y, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 May; 21(5):492–9 (Eng. Abstr.) (Jpn)

[Clinical studies on the effect of Diprophos in bronchial asthma] Krasnowska M, et al. **Pneumonol Pol** 1984 Jan; 52(1):27–31 (Eng. Abstr.) (Pol)

[Comparative evaluation of the effectiveness of sodium cromoglycate and ketotifen in bronchial asthma and their effect on blood histamine and polymyxin-induced bronchial spasm] Rożniecki J, et al. **Pneumonol Pol** 1983 Nov;51(11):547–51 (Eng. Abstr.) (Pol)

[Role of ketotifen in the reduction of corticosteroid doses in steroid-dependent bronchial asthma] Madalińska M, et al. **Pol Arch Med Wewn** 1983 Nov-Dec;70(5–6):245–9 (Eng. Abstr.) (Pol)

[Clinical evaluation of Zaditen syrup in the treatment of children with bronchial asthma] Ściślicki A, et al. **Probl Med Wieku Rozwoj** 1983;12:131–43 (Eng. Abstr.) (Pol)

[Possibilities of reducing the doses of beta-adrenergic bronchodilators (Berotec) in combination with an anticholinergic drug (Atrovent) in bronchial asthma] Anastasatu C, et al. **Rev Ig [Pneumoftiziol]** 1983 Jul-Sep; 32(3):257–60 (Eng. Abstr.) (Rum)

[Basic diagnostic, pathogenic and therapeutic principles in asthma. III. Therapeutic principles] Ionescu C, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Oct-Dec; 87(4):521–30 (26 ref.) (Rum)

[Effect of euphylline on the cyclic nucleotide content and cAMP phosphodiesterase activity of the lymphocytes of bronchial asthma patients] Ialkut SI, et al. **Farmakol Toksikol** 1984 Jan-Feb;47(1):74–7 (Eng. Abstr.) (Rus)

[Effect of treatment with ventolin and becotide on ventilation and hemodynamics in patients with bronchial asthma] Sil'vestrov VP, et al. **Klin Med (Mosk)** 1983 Dec; 61(12):54–8 (Eng. Abstr.) (Rus)

[Clinical use of atrovent] Zamotaev IP, et al. **Klin Med (Mosk)** 1984 Apr;62(4):50–4 (Rus)

[Dynamics of laboratory findings during treatment of infectious-allergic lung diseases with pyrogenal] Plaksina GV, et al. **Lab Delo** 1984;(3):143–6 (Eng. Abstr.) (Rus)

[Effectiveness of the use of zaditen in allergic dermatoses and the dermorespiratory syndrome in children] Balabolkin II, et al. **Pediatriia** 1983 Jul;(7):37–9 (6 ref.) (Rus)

[Use of histamine inhalation in the treatment of bronchial asthma in children] Zisel'son AD, et al. **Pediatriia** 1983 Sep;(9):47–9 (Rus)

[Clinical efficacy and immunological mechanisms of the effect of hemodes in patients with bronchial asthma] Provotorov VM, et al. **Ter Arkh** 1983;55(9):22–5 (Eng. Abstr.) (Rus)

[Excessive examination and pharmacotherapy – is it an advantage or shortcoming?] Shteingardt IuN, et al. **Ter Arkh** 1984;56(1):52–5 (Rus)

[Effectiveness of intratracheal instillations of furacillin in bronchial asthma and chronic bronchitis] Shteingardt IuN, et al. **Ter Arkh** 1984;56(3):53–6 (Eng. Abstr.) (Rus)

[Use of heparin in patients with bronchial asthma] Rudyk BI. **Vrach Delo** 1983 Jul;(7):12–4 (Eng. Abstr.) (Rus)

[Ketotifen in childhood asthma] Botey J, et al. **Allergol Immunopathol (Madr)** 1983 Sep-Oct;11(5):329–33 (Eng. Abstr.) (Spa)

[Bronchial asthma. Advances] Girón Caro F. **An Esp Pediatr** 1983 Sep;19 Suppl 19:17–24 (Spa)

[Monitoring of plasma theophylline levels in asthmatic patients treated with oxtriphylline] Morell F, et al. **Arch Farmacol Toxicol** 1983 Apr;9(1):89–94 (Spa)

[Bronchial asthma and aerosol bronchodilators: incorrect use in our milieu] Agustí AG, et al. **Med Clin (Barc)** 1983 Dec 17;81(20):893–4 (Eng. Abstr.) (Spa)

[Fenoterol, ipratropium bromide and their combination in bronchial asthma] Palenciano L, et al. **Med Clin (Barc)** 1984 Apr 14;82(14):617–20 (Eng. Abstr.) (Spa)

[Bronchial asthma and bronchodilators: paradoxic hypoxemia. Mechanism of action and clinical importance] Rodríguez-Roisin R. **Med Clin (Barc)** 1984 Jan 21; 82(2):77–82 (Spa)

[Management of asthma in childhood] Phelan PD. **Rev Chil Pediatr** 1983 Sep-Oct;54(5):369–73 (Eng. Abstr.) (Spa)

[Comparison by double-blind study of the combination of an aerosol of salbutamol and ipratropium bromide and its individual effect in chronic bronchitis and bronchial asthma] Baños Hidalgo P, et al. **Rev Clin Esp** 1983 Nov 30;171(4):265–8 (Eng. Abstr.) (Spa)

ECONOMICS

On the social cost of asthma. Thompson S. **Eur J Respir Dis [Suppl]** 1984;136:185–91

ENZYMOLOGY

Effects of prednisolone on angiotensin converting enzyme activity. Roulston JE, et al. **Thorax** 1984 May;39(5):356–60

[Determination of the activity of proteinases and an inhibitor by the affinity chromatography technic in patients with nonspecific diseases of the lungs] Karusoo Iala, et al. **Lab Delo** 1983;(10):21–3 (Eng. Abstr.) (Rus)

[Cytochemical characteristics of peripheral blood leukocytes in bronchial asthma patients] Chernushenko EF, et al. **Ter Arkh** 1984;56(3):20–2 (Eng. Abstr.) (Rus)

[Decreased ceruloplasmin levels in the blood serum—an index of atopy in bronchial asthma] Zhikharev SS, et al. **Ter Arkh** 1984;56(3):23–6 (Eng. Abstr.) (Rus)

[The adenyl cyclase system in asthmatic patients (II). Urinary excretion of cyclic AMP following the simultaneous administration of a corticoid and a beta-2 adrenergic agonist] Díez Jarilla JL, et al. **Med Clin (Barc)** 1983 Oct 22;81(12):509–11 (Eng. Abstr.) (Spa)

ETIOLOGY

Bronchial hyperirritability: Interrelation with the type 1 bronchial allergy in the physiopathogenesis of the asthmatic syndrome. Mathov E. **Allergol Immunopathol (Madr)** 1983 May-Jun;11(3):147–60

Meteorological and climatic factors in bronchial asthma. A clinical dilemma. May KL. **Allergol Immunopathol (Madr)** 1983 Nov-Dec;11(6):465–72 (70 ref.)

Bronchial asthma. A perspective from childhood to adulthood. Pearlman DS. **Am J Dis Child** 1984 May; 138(5):459–66

A simple technique for cold air and exercise challenge to assess bronchial reactivity: the effects of acute coryzal rhinitis on airway reactivity. Burki NK, et al. **Ann Allergy** 1984 Apr;52(4):272–5

Exacerbation of asthmatic symptoms after cessation of nifedipine therapy. Eliraz A, et al. **Ann Allergy** 1984 Feb; 52(2):125–7

Respiratory virus infections and aeroallergens in acute bronchial asthma. Carlsen KH, et al. **Arch Dis Child** 1984 Apr;59(4):310–15

Month of birth and admission to hospital for asthma. Mitchell EA. **Aust NZ J Med** 1983 Jun;13(3):291–2

The role of histamine and its receptors in the pathogenesis of asthma. White J, et al. **Br J Dis Chest** 1983 Jul; 77(3):215–26 (98 ref.)

Asthma and other symptoms in cinnamon workers. Uragoda CG. **Br J Ind Med** 1984 May;41(2):224–7

Asthma in children [letter] Haider SA. **Br Med J [Clin Res]** 1984 Jul 14;289(6437):109

ABC of asthma. Precipitating factors. Rees J. **Br Med J [Clin Res]** 1984 May 19;288(6429):1512–4

Relationship between bronchial response to respiratory heat exchange and nonspecific airways reactivity in asthmatic patients. Hodgson WC, et al. **Chest** 1984 Apr;85(4):465–70

Diphenylmethane diisocyanate (MDI)-induced asthma: evaluation of the immunologic responses and application of an animal model of isocyanate sensitivity. Chang KC, et al. **Clin Allergy** 1984 Jul;14(4):329–39

Asthma in merchant seamen and laboratory workers caused by allergy to castor beans: analysis of allergens. Davison AG, et al. **Clin Allergy** 1983 Nov;13(6):553–61

Late response in exercise-induced asthma. Horn CR, et al. **Clin Allergy** 1984 Jul;14(4):307–9

Bronchial asthma due to spiramycin and adipic acid. Moscato G, et al. **Clin Allergy** 1984 Jul;14(4):355–61

Laboratory infection of primates with Ascaris suum to provide a model of allergic bronchoconstriction. Pritchard DI, et al. **Clin Exp Immunol** 1983 Nov;54(2):469–76

Ascaris-induced bronchoconstriction in primates experimentally infected with Ascaris suum ova. Richards IM, et al. **Clin Exp Immunol** 1983 Nov;54(2):461-8
Role of viral infections in asthma and allergy. Frick OL. **Clin Rev Allergy** 1983 Mar;1(1):5-17 (51 ref.)
Sinus disease and asthma. Slavin RG. **Ear Nose Throat J** 1984 Feb;63(2):45, 49-50, 53-4 passim
A comparison of exercise, hyperventilation with cold air and warm air, and the inhalation of 'fog' in the provocation of asthma. Higenbottam T, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 2):421-3
Mediators of hypersensitivity and inflammatory cells in the pathogenesis of bronchial asthma. Kay AB. **Eur J Respir Dis [Suppl]** 1983;129:1-44 (64 ref.)
The Swedish winter disables asthmatics. Millqvist E, et al. **Eur J Respir Dis [Suppl]** 1984;136:41-3
Leukotrienes: possible mediators in bronchial asthma. Piper PJ. **Eur J Respir Dis [Suppl]** 1983;129:45-64 (46 ref.)
Aspergillus in bronchial asthma. Shivananda PG, et al. **Indian J Med Sci** 1983 Sep;37(9):154-5
Relation between efficacy of sodium cromoglycate and baseline lung function in exercise- and hyperventilation-induced asthma. Ben-Dov I, et al. **Isr J Med Sci** 1984 Feb;20(2):130-5
Is there a unifying hypothesis for exercise-induced asthma? Anderson SD. **J Allergy Clin Immunol** 1984 May;73(5 Pt 2):660-5
Respiratory response to intraesophageal acid infusion in asthmatic children during sleep. Davis RS, et al. **J Allergy Clin Immunol** 1983 Oct;72(4):393-8
Mediators in exercise-induced asthma. Lee TH, et al. **J Allergy Clin Immunol** 1984 May;73(5 Pt 2):634-9
Pathogenesis of asthma. McFadden ER Jr. **J Allergy Clin Immunol** 1984 Apr;73(4):413-28
Airway smooth muscle, asthma, and calcium ions. Middleton E Jr. **J Allergy Clin Immunol** 1984 May;73(5 Pt 2):643-50 (106 ref.)
Inflammation and asthma. Nadel JA. **J Allergy Clin Immunol** 1984 May;73(5 Pt 2):651-3
Air pollutants, bronchial hyperreactivity, and exercise. Pierson WE, et al. **J Allergy Clin Immunol** 1984 May;73(5 Pt 2):717-21
Respiratory water loss as a stimulus to exercise-induced bronchoconstriction. Sheppard D, et al. **J Allergy Clin Immunol** 1984 May;73(5 Pt 2):640-2
Food-related asthma and basic nutrition. Bock SA. **J Asthma** 1983;20(5):377-81
Childhood asthma [letter] **Lancet** 1983 Oct 1;2(8353):791-2
Frequency of allergic bronchial asthma to Dermatophagoides pteronyssinus in different areas of Romania. Chirilă M, et al. **Med Interne** 1983 Jul-Sep;21(3):195-8
Parietaria as a cause of asthma [letter] Bass D, et al. **Med J Aust** 1984 Apr 14;140(8):511
Safety of influenza vaccination in adults with asthma. Campbell BG, et al. **Med J Aust** 1984 Jun 23;140(13):773-5
Long-term effects of living in a dust-free room on patients with allergic asthma - reversal of bronchial hyper-reactivity. Platts-Mills TA, et al. **Monogr Allergy** 1983;18:153-5 (12 ref.)
Bronchial responsiveness in children. Neijens HJ, et al. **Pediatr Clin North Am** 1983 Oct;30(5):829-46
Chronic sinus disease with associated reactive airway disease in children. Rachelefsky GS, et al. **Pediatrics** 1984 Apr; 73(4):526-9
Role of acetyl salicylic acid and sodium metabisulfite in chronic childhood asthma. Towns SJ, et al. **Pediatrics** 1984 May;73(5):631-7
Applicability of a simple nasal provocation test in etiologic diagnosis of bronchial asthma. Bellia V, et al. **Respiration** 1984;45(1):81-7
Presentation of patients with asthma at an allergy clinic in Cape Town. Walls RS, et al. **S Afr Med J** 1983 Dec 3; 64(24):942-6
[Allergic asthma caused by ragweed pollen] Yang Y. **Chung Hua I Hsueh Tsa Chih** 1983 Dec;63(12):740-2 **(Chi)**
[Etiology and precipitating factors of necrotizing angiitis with respiratory manifestations. 5 case reports] Guillevin L, et al. **Ann Med Interne (Paris)** 1983;134(7):625-8 (Eng. Abstr.) **(Fre)**
[The role of mycologic flora in Turkish baths and its effect on asthmatics] Zirout A, et al. **Bull Int Union Tuberc** 1983 Jun;58(2):122-6 **(Fre)**
[A garlic story (letter)] Molina C, et al. **Presse Med** 1983 Sep 10;12(31):1941 **(Fre)**
[Viruses and asthma] Scheinmann P, et al. **Sem Hop Paris** 1983 Nov 24;59(43):2969-74 (Eng. Abstr.) **(Fre)**
[The effect of conditioning inhaled air in exercise-induced asthma] Zairay M, et al. **Allerg Immunol (Leipz)** 1983; 29(4):212-4 (Eng. Abstr.) **(Ger)**
[Inhalation allergies in bakers. Current problems of occupational flour-induced asthma] Thiel H. **Lebensversicherungsmedizin** 1984 May 2;36(4):82-6 (Eng. Abstr.) **(Ger)**
[Occupational asthma in food workers: study of 3 cases] Nava C, et al. **Med Lav** 1983 Jul-Aug;74(4):302-7 (Eng. Abstr.) **(Ita)**
[The role of electroatmospheric factors in asthmatic pathology in children] Caramia G, et al. **Minerva Pediatr** 1984 Apr 15;36(7):357-62 (Eng. Abstr.) **(Ita)**
[New pathogenetic hypothesis of bronchial asthma] Sebastiani A. **Recenti Prog Med** 1984 Jan;75(1):95-6 **(Ita)**
[Airway hypersensitivity and beta-adrenergic blockade in asthmatic patients, with special reference to insulin response to beta-stimulant] Mita S, et al. **Arerugi** 1983 Dec; 32(12):1144-50 (Eng. Abstr.) **(Jpn)**
[Case of occupational asthma in a lumber worker caused by lumber commonly called 'nara' imported from the Philippines] Tochigi T, et al. **Arerugi** 1983 Mar; 32(3):125-30 (Eng. Abstr.) **(Jpn)**
[Studies on bronchial asthma and air pollution--clinical features of Kawasaki-asthma] Kawai T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1984 Mar; 22(3):175-83 (Eng. Abstr.) **(Jpn)**
[Asthma due to hard alloy dusts--a case of allergic bronchial asthma and contact dermatitis due to metallic cobalt] Kusaka Y. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Jun; 21(6):582-6 (Eng. Abstr.) **(Jpn)**
[Study of the role of inhalation allergens in triggering the attacks of bronchial asthma based on allergologic diagnostic skin-prick tests] Martynowski A. **Pediatr Pol** 1983 Feb;58(2):143-8 (Eng. Abstr.) **(Pol)**
[Role of arachidonic acid (ETE) and its metabolites in the pathogenesis of bronchial spasm. II. Metabolites formed under the effect of lipoxygenase] Kruszewski J, et al. **Pneumonol Pol** 1983 Nov;51(11):591-6 (23 ref.) **(Pol)**
[Role of lymphocytes in the development of allergic reactions] Alam R. **Pol Arch Med Wewn** 1984 Jan; 71(1):47-51 **(Pol)**
[Current theories on the role of thyroid hormones in the pathomechanism of allergy] Danowski J. **Pol Tyg Lek** 1983 Oct 3;38(40):1259-62 (46 ref.) **(Pol)**
[Role of lysosomal enzymes of polymorphonuclear granulocytes in the pathomechanism of bronchial asthma and hay fever] Wrzyszcz M. **Pol Tyg Lek** 1983 May 9; 38(19):611-3 **(Pol)**
[Diagnostic, pathogenic and therapeutic bases of asthma. II. Pathogenic bases] Ionescu C, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Jul-Sep;87(3):357-63 **(Rum)**
[Clinical and hygienic parallels in respiratory pathology in workers in a cement plant] Saakadze VP, et al. **Gig Tr Prof Zabol** 1984 Apr;(4):19-22 (Eng. Abstr.) **(Rus)**
[Non-immunologic allergy] Ado AD. **Patol Fiziol Eksp Ter** 1983 Jul-Aug;(4):9-13 **(Rus)**
[Asthmatic syndrome in respiratory syncytial virus infection associated with influenza in young children] Vartanian RV, et al. **Pediatriia** 1983 Jul;(7):11-4 (14 ref.) (Eng. Abstr.) **(Rus)**
[Bronchial asthma in middle and old age] Gembitskiĭ EV, et al. **Ter Arkh** 1984;56(3):16-9 (Eng. Abstr.) **(Rus)**
[The upper respiratory tract and bronchial asthma] Ovchinnikov IuM, et al. **Vestn Otorinolaringol** 1984 Jan-Feb;(1):77-81 (99 ref.) **(Rus)**
[Bronchial asthma: progress and perspectives] Quezada-Lagos A. **Bol Med Hosp Infant Mex** 1983 Oct; 40(10):548-51 (Eng. Abstr.) **(Spa)**
[Atmospheric pollution and bronchial asthma] Picado C. **Med Clin (Barc)** 1984 Apr 28;82(16):713-5 **(Spa)**

FAMILIAL & GENETIC

Decreased haptoglobin levels in respiratory allergy. Piessens MF, et al. **Clin Allergy** 1984 May;14(3):287-93
Haemoglobin genotypes, glucose - 6 - phosphate dehydrogenase deficiency and bronchial asthma. Kofi Ekue JM, et al. **East Afr Med J** 1983 Oct;60(10):676-8
The effects of environmental tobacco smoke exposure and gas stoves on daily peak flow rates in asthmatic and non-asthmatic families. Lebowitz MD. **Eur J Respir Dis [Suppl]** 1984;133:90-7
Genetic analysis of allergic disease in twins. Hopp RJ, et al. **J Allergy Clin Immunol** 1984 Feb;73(2):265-70
A genetic basis for heterogeneity of asthma syndrome in pediatric ages: adenosine deaminase phenotypes. Ronchetti R, et al. **J Allergy Clin Immunol** 1984 Jul;74(1):81-4
Methacholine inhalation and Gm allotypes in familial asthma. Anton-Guirgis H, et al. **J Asthma** 1984;21(1):1-8
HLA antigens and extrinsic bronchial asthma. Hafez M, et al. **J Asthma** 1984;21(4):259-63
Perennial allergic asthma [letter] Longo G, et al. **Lancet** 1983 Oct 1;2(8353):792

HISTORY

Moses Maimonides' Treatise on Asthma. Rosner F. **J Asthma** 1984;21(2):119-29
Sir John Floyer's A Treatise of the Asthma (1698). Sakula A. **Thorax** 1984 Apr;39(4):248-54
[The first and last publications by Dr. Ramón M. Suárez: Tratamiento moderno del asma bronquial: Boletín Asociación Médica de Puerto Rico 1925. Glucose and the heart: Boletín Asociación Médica de Puerto Rico 1974] **Bol Asoc Med PR** 1983 Nov;75(11):515-20 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Dog hypersensitivity in asthmatic children. A clinical study with special reference to the relationship between the exposure to dogs and the occurrence of hypersensitivity symptoms. Vanto T, et al. **Acta Paediatr Scand** 1983 Jul; 72(4):571-5
Serum IgG, IgA and IgM in asthmatic children. Aderele WI, et al. **Afr J Med Med Sci** 1984 Mar-Jun;13(1-2):55-9
The comparative evaluation of alpha-2-macroglobulin and immunoglobulin levels in sera of patients with bronchial asthma. Ptusa T, et al. **Allerg Immunol (Leipz)** 1983; 29(3):154-9
Complement in allergen-induced bronchospasm in house-dust RAST negative asthmatic patients. Alam R, et al. **Allergol Immunopathol (Madr)** 1983 Nov-Dec; 11(6):431-3
Relationship between skin tests and bronchial provocation tests with allergens found in organic dusts in patients with bronchial asthma. Durda M, et al. **Allergol Immunopathol (Madr)** 1984 May-Jun;12(3):207-11
Kinetics of some types of lymphocytes in peripheral blood of patients with bronchial asthma. Egorova M. **Allergol Immunopathol (Madr)** 1983 Nov-Dec;11(6):445-50
Circulating immune complexes in pollinosis and chronic bronchopathies. Effect of immunotherapy. Muñoz D, et al. **Allergol Immunopathol (Madr)** 1983 Sep-Oct; 11(5):379-84
Total and specific IgE in serum, bronchial lavage and bronchoalveolar lavage of asthmatic patients. Crimi E, et al. **Allergy** 1983 Nov;38(8):553-9
Characterization of a late phase pulmonary response after antigen challenge in allergic sheep. Abraham WM, et al. **Am Rev Respir Dis** 1983 Nov;128(5):839-44
Allergens detected in association with airborne particles capable of penetrating into the peripheral lung. Findlay SR, et al. **Am Rev Respir Dis** 1983 Dec;128(6):1008-12
Neutrophil chemotactic activity and histamine in atopic and nonatopic subjects after exercise-induced asthma. Lee TH, et al. **Am Rev Respir Dis** 1984 Mar;129(3):409-12
The dose of house dust mite antigen (P1) inhaled by infants aged one month. Carswell F, et al. **Ann Allergy** 1983 Nov; 51(5):539-42
HLA DR typing of aspirin sensitive asthmatics. Jones DH, et al. **Ann Allergy** 1984 Feb;52(2):87-9
Decreased sensitivity to tartrazine after aspirin desensitization in an asthmatic patient intolerant to both aspirin and tartrazine. Michel O, et al. **Ann Allergy** 1984 May; 52(5):368-70
Immunotherapy in allergy to dog: a double-blind clinical study. Valovirta E, et al. **Ann Allergy** 1984 Jul;53(1):85-8
IgE-mediated histamine release from whole blood in atopic asthmatics. Tanizaki Y, et al. **Arerugi** 1983 Nov; 32(11):1079-83
Occupational asthma from nickel sensitivity: I. Human serum albumin in the antigenic determinant. Dolovich J, et al. **Br J Ind Med** 1984 Feb;41(1):51-5
Occupational asthma from nickel sensitivity: II. Factors influencing the interaction of Ni2+, HSA, and serum antibodies with nickel related specificity. Nieboer E, et al. **Br J Ind Med** 1984 Feb;41(1):56-63
Platelet-activating factor: a possible mediator of the dual response to allergen? Basran GS, et al. **Clin Allergy** 1984 Jan;14(1):75-9
Baker's asthma. Studies of the cross-antigenicity between different cereal grains. Block G, et al. **Clin Allergy** 1984 Mar;14(2):177-85
Prediction of late asthmatic responses to inhaled allergen. Boulet LP, et al. **Clin Allergy** 1984 Jul;14(4):379-85
Recurrent nocturnal asthma after bronchoprovocation with Western Red Cedar sawdust: association with acute increase in non-allergic bronchial responsiveness. Cockcroft DW, et al. **Clin Allergy** 1984 Jan;14(1):61-8
Barn allergy among Scottish farmers. Cuthbert OD, et al. **Clin Allergy** 1984 Mar;14(2):197-206
Factors influencing the occurrence of a late reaction to allergen challenge in atopic asthmatics. MacIntyre D, et al. **Clin Allergy** 1984 Jul;14(4):311-7
Circulating immune complexes in patients with house-dust-mite-sensitive bronchial asthma. Nakagawa T, et al. **Clin Allergy** 1984 Mar;14(2):129-38
A controlled trial of hyposensitization with adsorbed tyrosine Dermatophagoides pteronyssinus antigen in childhood asthma: in vivo aspects. Price JF, et al. **Clin Allergy** 1984 May;14(3):209-19
Immunological studies in asthmatic children undergoing antigen provocation in the skin, lung and nose. Price JF, et al. **Clin Allergy** 1983 Sep;13(5):419-26
Long-term falls in antibodies to dust mite and pollen allergens in patients with asthma or hay fever. Rawle FC, et al. **Clin Allergy** 1983 Sep;13(5):409-17
Induction of suppressor T cells in asthmatic children by theophylline treatment. Shohat B, et al. **Clin Allergy** 1983 Sep;13(5):487-93
The diversity of allergens involved in bakers' asthma. Sutton R, et al. **Clin Allergy** 1984 Jan;14(1):93-107
Intrinsic and extrinsic asthma, a shared lymphocyte abnormality. Swinburn CR, et al. **Clin Allergy** 1983 Nov; 13(6):571-6
In vitro investigations in asthmatic children undergoing hyposensitization with tyrosine-adsorbed Dermatophagoides pteronyssinus antigen. Turner MW, et al. **Clin Allergy** 1984 May;14(3):221-31
Bronchial responsiveness and leucocyte reactivity after influenza vaccine in asthmatic patients. de Jongste JC, et al. **Eur J Respir Dis** 1984 Apr;65(3):196-200
Intrinsic asthma and bacterial histamine release. Possible role of bacterial surface lectins. Jensen C, et al.

Eur J Respir Dis [Suppl] 1983;128 (Pt 2):391–3
Mediators of hypersensitivity in exercise-induced asthma. Kay AB, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 1):237–41
Mast cells and their mediators in the pathogenesis of asthma. Kay AB. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 1):50–2
Bronchial challenges with ultrasonic mist, histamine and carbachol: a comparison in 87 asthmatic subjects. Rosati G, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 2):417–20
Effects of fenoterol hydrobromide on histamine release from human leukocytes. Tomita Y, et al.
Eur J Respir Dis [Suppl] 1983;128 (Pt 2):398–9
Occupational asthma in poultry workers. Bar-Sela S, et al. **J Allergy Clin Immunol** 1984 Feb;73(2):271–5
Mealworm asthma: clinical and immunologic studies. Bernstein DI, et al. **J Allergy Clin Immunol** 1983 Nov;72(5 Pt 1):475–80
A comparison of late reactions to antigen and exercise. Bierman CW. **J Allergy Clin Immunol** 1984 May;73(5 Pt 2):654–9
Beta-blocking autoantibodies in pediatric bronchial asthma. Blecher M, et al. **J Allergy Clin Immunol** 1984 Sep;74(3 Pt 1):246–51
Immunologic studies in allergen-induced late-phase asthmatic reactions. Durham SR, et al.
J Allergy Clin Immunol 1984 Jul;74(1):49–60
Autoantibodies to beta-adrenergic receptors and asthma [editorial] Fraser CM, et al. **J Allergy Clin Immunol** 1984 Sep;74(3 Pt 1):227–9
Changes of lymphoproliferative responses of T cell subsets to allergen and mitogen after hyposensitization in asthmatic children. Hsieh KH. **J Allergy Clin Immunol** 1984 Jul; 74(1):34–40
Occupational asthma due to poultry mites. Lutsky I, et al. **J Allergy Clin Immunol** 1984 Jan;73(1 Pt 1):56–60
Asthma and IgE antibodies induced by chromium and nickel salts. Novey HS, et al. **J Allergy Clin Immunol** 1983 Oct; 72(4):407–12
Immunotherapy in cat-induced asthma. Double-blind trial with evaluation of in vivo and in vitro responses. Ohman JL Jr, et al. **J Allergy Clin Immunol** 1984 Sep;74(3 Pt 1):230–9
Grass pollen immunotherapy: a single year double-blind, placebo-controlled study in patients with grass pollen-induced asthma and rhinitis. Ortolani C, et al.
J Allergy Clin Immunol 1984 Feb;73(2):283–90
The absence of detectable complement activation in aspirin-sensitive asthmatic patients during aspirin challenge. Pleskow WW, et al. **J Allergy Clin Immunol** 1983 Nov;72(5 Pt 1):462–8
IgG-containing and IgE-containing circulating immune complexes in patients with asthma and rhinitis. Stevens WJ, et al. **J Allergy Clin Immunol** 1984 Feb;73(2):276–82
Allergic mucociliary dysfunction. Wanner A.
J Allergy Clin Immunol 1983 Oct;72(4):347–50 (28 ref.)
Upper respiratory infections in asthma. Welliver RC.
J Allergy Clin Immunol 1983 Oct;72(4):341–6 (31 ref.)
Gingival IgE and histamine concentrations in patients with asthma and in patients with periodontitis. Hyyppä T.
J Clin Periodontol 1984 Feb;11(2):132–7
Inflammatory mediators of asthma [editorial] **Lancet** 1983 Oct 8;2(8354):829–31
Complement receptor enhancement as evidence of neutrophil activation after exercise-induced asthma. Papageorgiou N, et al. **Lancet** 1983 Nov 26;2(8361):1220–3
The eosinophil granule major basic protein: biological activities and relationship to bronchial asthma. Gleich GJ, et al. **Monogr Allergy** 1983;18:277–83 (20 ref.)
Changes in free histamine in peripheral circulation following cockroach-antigen challenge in asthmatics. Chang JL, et al. **Mt Sinai J Med (NY)** 1984 Apr;51(2):197–202
Changes in T-lymphocyte subpopulations after antigenic bronchial provocation in asthmatics. Gerblich AA, et al. **N Engl J Med** 1984 May 24;310(21):1349–52
The clinical pattern of bronchial asthma in General Hospital, Kandy (Sri Lanka). Jeyrajah R, et al. **Postgrad Med J** 1983 Jun;59(692):357–9
Autoantibodies to beta 2-adrenergic receptors and allergic respiratory disease. Fraser CM, et al. **Surv Immunol Res** 1982;1(4):365–70 (20 ref.)
[HLA system in patient with atopic bronchial asthma] Kosturkov G, et al. **Vutr Boles** 1983;22(2):114–7 **(Bul)**
[Chinese and western medicine classification of infant bronchial asthma and observation on its immunologic function] Chen SF. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Mar;4(3):143–6 **(Chi)**
[Serum total IgE, skin tests and bronchial asthma] Lu WX.
Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih 1983 Jun;6(3):131–3 (Eng. Abstr.) **(Chi)**
[Skin tests in asthmatic patients in Taiwan] Chen CD, et al.
Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih 1984 May;17(2):98–104 (Eng. Abstr.) **(Chi)**
[Bronchial asthma] Farga V. **Bull Int Union Tubere** 1983 Jun; 58(2):115–22 **(Fre)**
[Asthma and bacterial infections] Girard JP, et al.
Schweiz Med Wochenschr 1984 Jun 23;114(25):890–2 (Eng. Abstr.) **(Fre)**
[Structure of asthma-relevant inhalation allergens] Baur X. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:714–6 (Eng. Abstr.) **(Ger)**
[Significance of inhaled environmental allergens] Zochert J. **Z Erkr Atmungsorgane** 1983;161(2):153–8 (Eng. Abstr.) **(Ger)**
[Significance of non-specific bronchial hyperreactivity in bronchial asthma] Kraszkó P, et al. **Orv Hetil** 1984 Apr 22;125(17):997–1004 **(Hun)**
[Immunologic and physiologic tets in hexachlorophene-induced occupational bronchial asthma] Orosz M, et al. **Orv Hetil** 1983 Nov 13;124(46):2793–5 (Eng. Abstr.) **(Hun)**
[Allergy due to Parietaria: clinico-statistical observations] Marzo C, et al. **Arch Monaldi** 1983 Jan–Apr;38(1–2):35–40 (Eng. Abstr.) **(Ita)**
[Clinico-statistical observations in a group of patients with allergic manifestations of the respiratory tract] Marzo C, et al. **Arch Monaldi** 1983 Jan–Apr;38(1–2):25–34 (Eng. Abstr.) **(Ita)**
[Endoscopic and histologic studies on the bronchi in patients with bronchial asthma by fiber optic bronchoscopic challenge with house dust allergens] Aita S, et al.
Arerugi 1983 May;32(5):274–81 (Eng. Abstr.) **(Jpn)**
[Measurement of IgE and IgG antibody levels specific for Candida albicans in asthmatic children] Hida Y, et al.
Arerugi 1983 Oct;32(10):1019–28 (Eng. Abstr.) **(Jpn)**
[Detection of serum IgG-, IgA- and IgM antibodies to mite (Dermatophagoides farinae) through the use of enzyme-linked immunosorbent assay (ELISA)] Ito K, et al. **Arerugi** 1984 Mar;33(3):158–66 (Eng. Abstr.) **(Jpn)**
[Toluene-diisocyanate-induced asthma. 2. Histamine liberation test using leukocytes from toluene-diisocyanate sensitized guinea pigs] Kido T, et al. **Arerugi** 1983 Mar; 32(3):131–7 (Eng. Abstr.) **(Jpn)**
[Changes in basophil reactivity during immunotherapy with house dust] Komagoe H, et al. **Arerugi** 1984 Mar; 33(3):131–4 (Eng. Abstr.) **(Jpn)**
[Natural killer cell activity in asthmatic children] Morita H. **Arerugi** 1983 Oct;32(10):1040–8 (Eng. Abstr.) **(Jpn)**
[Reexamination of autoantibodies to beta-adrenergic receptors in sera of normal subjects and asthmatic patients] Motojima S, et al. **Arerugi** 1984 Jan;33(1):17–23 (Eng. Abstr.) **(Jpn)**
[Anti-IgE antibody in the sera from asthmatic patients. (II) Establishment of enzyme immunoassay] Nawata Y, et al. **Arerugi** 1984 Jan;33(1):35–42 (Eng. Abstr.) **(Jpn)**
[Antibody-dependent cell-mediated cytotoxicity (K-cell population) in Kawasaki disease and allergic disease. Part 2. The K-cell population in bronchial asthma and atopic dermatitis] Suzuki M. **Arerugi** 1984 Apr;33(4):216–23 (Eng. Abstr.) **(Jpn)**
[The correlation between crude and purified sea-squirt antigens and histamine release in sea-squirt asthma] Tanifuji K, et al. **Arerugi** 1984 Feb;33(2):78–82 (Eng. Abstr.) **(Jpn)**
[Clinical studies on 'late onset' asthma. 1. Anti-IgE induced release of histamine from whole blood] Tanizaki Y, et al. **Arerugi** 1983 Nov;32(11):1093–8 (Eng. Abstr.) **(Jpn)**
[Chemotaxis of blood monocytes in patients with bronchial asthma] Tanizaki Y, et al. **Arerugi** 1984 Feb;33(2):83–7 (Eng. Abstr.) **(Jpn)**
[Antigen-induced morphological changes of basophils from atopic asthmatics observed by phase-contrast microscopy] Tanizaki Y, et al. **Arerugi** 1984 May;33(5):269–74 (Eng. Abstr.) **(Jpn)**
[Release of histamine and slow reacting substance from human peripheral leukocytes] Totani Y. **Arerugi** 1983 Nov; 32(11):1113–8 (Eng. Abstr.) **(Jpn)**
[Effect of oral aminophylline on the result of the immediate intradermal skin test in asthmatic children—its relation to the serum theophylline level] Watanabe K. **Arerugi** 1983 Sep;32(9):960–9 (Eng. Abstr.) **(Jpn)**
[Experimental allergic asthma in guinea pigs—immunological study by the passive transfer of antibodies and sensitized cells] Yamauchi N, et al. **Arerugi** 1983 Nov;32(11):1084–92 (Eng. Abstr.) **(Jpn)**
[IgE in patients with asthma and hypersensitivity to aspirin] Alam R, et al. **Pneumonol Pol** 1984 Mar;52(3):131–4 (Eng. Abstr.) **(Pol)**
[Leukocyte migration inhibition test in patients with pollen-induced asthma and the results of hyposensitization therapy with Pollinex] Grzegorczyk J, et al.
Pneumonol Pol 1984 Mar;52(3):123–30 (Eng. Abstr.) **(Pol)**
[Ability of peripheral blood granulocytes to phagocytize latex particles in patients with atopic asthma] Matusiewicz R. **Pneumonol Pol** 1983 Jul;51(7):377–9 (Eng. Abstr.) **(Pol)**
[Immunologic status of patients with endogenous bronchial asthma. II. Indicators of cellular immunity] Rogala B, et al. **Pneumonol Pol** 1983 Aug–Sep;51(8–9):469–74 (Eng. Abstr.) **(Pol)**
[Effect of specific desensitization on serum immunoglobulin concentration in patients with atopic bronchial asthma] Chyrek-Borowska S, et al. **Pol Tyg Lek** 1983 Jul 4; 38(27):831–4 (Eng. Abstr.) **(Pol)**
[Clinical significance of IgE as compared with other immunoglobulins in bronchial asthma and chronic obstructive bronchopneumopathy] Georgescu I, et al.
Rev Ig [Pneumoftiziol] 1983 Jan–Mar;32(1):83–90 (Eng. Abstr.) **(Rum)**
[Human immunological reactivity in a mountain climate] Shogentsukova EA, et al. **Fiziol Zh** 1983 Jul–Aug; 29(4):399–404 **(Rus)**
[Study of the histamine and immunoglobulin receptors of lymphocytes in occupational bronchial asthma] Altynbekova ZB, et al. **Gig Tr Prof Zabol** 1983 Jul;(7):20–2 (Eng. Abstr.) **(Rus)**
[HLA system in young children with respiratory viral diseases accompanied by an obstructive syndrome] Vartanian RV, et al. **Pediatriia** 1984 May;(5):14–6 (Eng. Abstr.) **(Rus)**
[Total immunoglobulin E in the blood in bronchial asthma] Alekseev VG, et al. **Sov Med** 1984;(1):21–4 (Eng. Abstr.) **(Rus)**
[Bronchial secretion immunoglobulins in bronchial asthma and chronic bronchitis] Pol'ner AA, et al. **Sov Med** 1984; (6):36–9 (Eng. Abstr.) **(Rus)**
[Immunological disorders in bronchial asthma patients] Bakulin MP, et al. **Ter Arkh** 1984;56(3):34–8 (Eng. Abstr.) **(Rus)**
[The complement system and bronchial asthma] Dvoretskii LI, et al. **Ter Arkh** 1984;56(3):38–40 (Eng. Abstr.) **(Rus)**
[Interferon in bronchial asthma] Ol'shanskii IaO, et al.
Ter Arkh 1984;56(3):41–3 (Eng. Abstr.) **(Rus)**
[Effect of hemosorption on various indicators of immunity in patients with allergic and autoimmune diseases] Lysenko GI, et al. **Vrach Delo** 1984 Jun;(6):49–54 (Eng. Abstr.) **(Rus)**
[Circulating immune complexes in bronchial asthma] Rudyk BI. **Vrach Delo** 1983 Jun;(6):54–6 (Eng. Abstr.) **(Rus)**
[The role of mediators in bronchial asthma] Furlan J.
Plucne Bolesti Tuberk 1983 Jan–Dec;35(1–4):108–16 (Eng. Abstr.) **(Scr)**
['Tart' type cells found in asthmatic patients. Relation to IgE and other parameters] Mathov E, et al. **Alergia** 1983 Oct; 30(4):145–51 (Eng. Abstr.) **(Spa)**
[Immunopathology of the asthmatic reaction] Oehling A.
Alergia 1984 Apr–Jun;31(2):63–8 (38 ref.) (Eng. Abstr.) **(Spa)**
[Skin tests for dust and acari in children with asthma] Oseguera AA. **Alergia** 1984 Jan–Mar;31(1):3–5 (Eng. Abstr.) **(Spa)**

METABOLISM

Dysregulation of mediator release in relation to bronchial asthma and bronchial hyperresponsiveness. Neijens HJ, et al. **Agents Actions [Suppl]** 1984;14:59–68
Phosphatidyl ethanolamine methylation in membrane from bronchoalveolar lavage mononuclear cells, in asthmatic patients: a new marker of macrophage activity. Pacheco Y, et al. **Biomed Pharmacother** 1983;37(8):398–401
Lymphocyte glucocorticoid receptors in asthmatic and control subjects. Tsai BS, et al. **Clin Allergy** 1984 Jul; 14(4):363–71
Blood selenium content and glutathione peroxidase activity in children with cystic fibrosis, coeliac disease, asthma, and epilepsy. Ward KP, et al. **Eur J Pediatr** 1984 Apr; 142(1):21–4
Kinetics of terbutaline in asthmatic children. Hultquist C, et al. **Eur J Respir Dis [Suppl]** 1984;134:195–203
Water and electrolyte status in children with acute asthma. Bahna SL, et al. **J Asthma** 1984;21(2):73–9
The role of arachidonic acid products in asthma. Clay TP, et al. **Practitioner** 1984 May;228(1391):510–3
Comparison of the metabolic responses to alpha-adrenergic stimulation in asthmatics and non-asthmatics after clonidine. Kallenbach JM, et al. **S Afr Med J** 1984 Jan 28;65(4):131–4
[Sodium, potassium, calcium and magnesium metabolism in patients with allergic-infectious bronchial asthma] Petrov D, et al. **Vutr Boles** 1984;23(1):85–90 (Eng. Abstr.) **(Bul)**
[Observation on the changes of prostaglandin E and F2 alpha contents of the plasma and pleural effusion in patients with bronchial asthma, chronic cor pulmonale and pleurisy] Yu SY.
Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih 1983 Jun;6(3):134–7 (Eng. Abstr.) **(Chi)**
[Characterization of slow reacting substance of anaphylaxis in asthmatic sputum.] Wang SR, et al.
Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih 1984 Feb;17(1):48–54 (Eng. Abstr.) **(Chi)**
[Eicosanoids released in vitro by human alveolar macrophages from normal subjects and asthmatics] Damon M, et al. **C R Seances Acad Sci [III]** 1984;298(8):215–21 (Eng. Abstr.) **(Fre)**
[Slow reacting substance from human peripheral polymorphonuclear leukocytes by incubation with fresh autologous serum and zymosan. Part 2. SRS release from PMN of bronchial asthmatic patients and regulation by histamine] Kishimoto M, et al. **Arerugi** 1984 Jan;33(1):1–5 (Eng. Abstr.) **(Jpn)**
[Determination of serum trapidil by high performance liquid chromatography and its pharmacokinetics in asthmatic patients] Kohno H, et al. **Yakugaku Zasshi** 1983 Jul; 103(7):776–81 (Eng. Abstr.) **(Jpn)**
[Indicators of phospholipase activity, lipid peroxidation and antioxidants in bronchial secretions from children with bronchopulmonary diseases] Krylov VI, et al.
Vopr Med Khim 1984 Jan–Feb;30(1):52–5 (Eng. Abstr.) **(Rus)**

MORTALITY

Increases in deaths from asthma. Sly RM. **Ann Allergy** 1984 Jul;53(1):20–5

Deaths from asthma [letter] **Br Med J [Clin Res]** 1984 Sep 1;289(6444):557–8

Seasonal variation and time trends of deaths from asthma in England and Wales 1960–82. Khot A, et al. **Br Med J [Clin Res]** 1984 Jul 28;289(6439):233–4

Death certification in asthma [editorial] **Lancet** 1984 Sep 22; 2(8404):676

'Science' in the practice of medicine: its limitations and dangers. As exemplified by a study of the natural history of acute bronchial asthma in children. Roe W. **Perspect Biol Med** 1984 Spring;27(3):386–400

Accuracy of death certificates in bronchial asthma. Accuracy of certification procedures during the confidential inquiry by the British Thoracic Association. A subcommittee of the BTA Research Committee. **Thorax** 1984 Jul;39(7):505–9

Death from asthma [editorial] Stableforth D. **Thorax** 1983 Nov;38(11):801–5

[Unexpected sudden death of asthma patients; results of a survey] Meyboom RH. **Ned Tijdschr Geneeskd** 1984 Mar 10;128(10):457–8 (Eng. Abstr.) **(Dut)**

[Unexpected sudden death of asthma patients] Sluiter HJ. **Ned Tijdschr Geneeskd** 1984 Mar 10;128(10):458–60 **(Dut)**

[Pneumoperitoneum after resuscitation of a patient with bronchial asthma] Broi–Kappe TA, et al. **Klin Med (Mosk)** 1983 Dec;61(12):117–9 **(Rus)**

OCCURRENCE

Airways responsiveness in a population sample of adults and children. Weiss ST, et al. **Am Rev Respir Dis** 1984 Jun; 129(6):898–902

Morbidity and school absence caused by asthma and wheezing illness. Anderson HR, et al. **Arch Dis Child** 1983 Oct;58(10):777–84

Lower respiratory tract symptoms in Queensland schoolchildren. The questionnaire: its reliability and validity. Mitchell C, et al. **Aust NZ J Med** 1983 Jun; 13(3):264–9

The natural history of asthma: aeromedical implications. Hopkirk JA. **Aviat Space Environ Med** 1984 May; 55(5):419–21

Seasonal trends in childhood asthma [letter] Ashley JS. **Br Med J [Clin Res]** 1983 Dec 3;287(6406):1721

Seasonal variation and time trends in childhood asthma in England and Wales 1975–81. Khot A, et al. **Br Med J [Clin Res]** 1984 Jul 28;289(6439):235–7

Seasonal trends in childhood asthma in south east England. Khot A, et al. **Br Med J [Clin Res]** 1983 Oct 29; 287(6401):1257–8

A prospective study of asthma in a rural community. Schachter EN, et al. **Chest** 1984 May;85(5):623–30

Breastfeeding and eczema. Pratt HF. **Early Hum Dev** 1984 Apr;9(3):283–90

Seasonal patterns of asthma: a clue to etiology. Goldstein IF, et al. **Environ Res** 1984 Feb;33(1):201–15

The prevalence of asthma in the South–Fore people of Papua New Guinea. A method for field studies of bronchial reactivity. Woolcock AJ, et al. **Eur J Respir Dis** 1983 Nov; 64(8):571–81

Occupational asthma in snow crab–processing workers. Cartier A, et al. **J Allergy Clin Immunol** 1984 Sep;74(3 Pt 1):261–9

Another asthma outbreak in Barcelona: role of oxides of nitrogen [letter] Ussetti P, et al. **Lancet** 1984 Jan 21; 1(8369):156

The frequency of allergens implicated in bronchial asthma in different areas of Romania. Chirilă M, et al. **Med Interne** 1984 Apr–Jun;22(2):141–5

Prevalence and risk factors of chronic respiratory disease in a farming population. Saia B, et al. **Med Lav** 1984 Mar–Apr;75(2):101–9

Paediatric admissions to Auckland Hospital for asthma from 1970–1980. Mitchell EA, et al. **NZ Med J** 1984 Feb 8; 97(749):67–70

Emerging asthma in the Okapa district of the Eastern Highlands province of Papua New Guinea: the problem and its implications. Dowse GK, et al. **Papua New Guinea Med J** 1983 Mar;26(1):33–41

Sleep–associated airway problems in children. Mark JD, et al. **Pediatr Clin North Am** 1984 Aug;31(4):907–18 (46 ref.)

Shell—grinder's asthma. Kim WH, et al. **Yonsei Med J** 1982; 23(2):123–30

[Asthma, spasmodic cough and allergic rhinitis in Tunisia] Zegaya M, et al. **Bull Int Union Tuberc** 1983 Jun; 58(2):137–44 **(Fre)**

[Air pollution and prevalence of nonspecific respiratory diseases in childhood] Thiemann HH. **Z Erkr Atmungsorgane** 1983;161(2):209–17 (Eng. Abstr.) **(Ger)**

[Epidemiologic data on patients with bronchial asthma registered at tuberculosis clinics] Schweiger O, et al. **Orv Hetil** 1983 Nov 20;124(47):2861–3 (Eng. Abstr.) **(Hun)**

[Prevalence of bronchial asthma in school children in western Japan] **Arerugi** 1983 Oct;32(10):1063–72 (Eng. Abstr.) **(Jpn)**

[Clinical epidemiology of asthma in children. 1. Survey on allergic diseases at Oshima] Inoue K, et al. **Arerugi** 1983 Mar;32(3):138–48 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Thorax deformity and asthma bronchial. Cserháti EF, et al. **Allergol Immunopathol (Madr)** 1984 Jan–Feb;12(1):7–10

Quantitative structural alterations in long–standing allergic asthma. Sobonya RE. **Am Rev Respir Dis** 1984 Aug; 130(2):289–92

Mast cells in bronchoalveolar lumen of patients with bronchial asthma. Tomioka M, et al. **Am Rev Respir Dis** 1984 Jun;129(6):1000–5

Experimental asthma in guinea pigs revisited. Kallós P, et al. **Int Arch Allergy Appl Immunol** 1984;73(1):77–85 (87 ref.)

Systemic vasculitis with asthma and eosinophilia: a clinical approach to the Churg–Strauss syndrome. Lanham JG, et al. **Medicine (Baltimore)** 1984 Mar;63(2):65–81 (116 ref.)

[Ultrastructure of bronchial biopsies obtained by fibroscopy during a remission between crises in asthmatic adults] Kantelip B, et al. **Ann Pathol** 1984 Apr–May;4(2):97–104 (Eng. Abstr.) **(Fre)**

[Histological changes, especially the cellular responses of the lung, in bronchial asthma—evaluation by transbronchial lung biopsy (TBLB)] Tanizaki Y, et al. **Arerugi** 1983 Apr; 32(4):229–36 (Eng. Abstr.) **(Jpn)**

[Bronchial asthma and toxocariasis] Zakharov EF, et al. **Klin Med (Mosk)** 1984 Feb;62(2):115–8 **(Rus)**

[Clinico–morphological study of the bronchial mucosa in patients with asthma during treatment] Cherniakova DN, et al. **Ter Arkh** 1983;55(9):19–22 (Eng. Abstr.) **(Rus)**

[Finding of Tart cells in asthmatic patients. Relation to IgE and other parameters] Mathov E, et al. **Allergol Immunopathol (Madr)** 1984 Mar–Apr;12(2):97–103 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Adrenocortical function in bronchial asthma. Fehér KG, et al. **Acta Med Hung** 1983;40(2–3):125–31

Cardiac output and blood pressure in asthmatic children before and during induced asthma. Hedlin G, et al. **Acta Paediatr Scand** 1984 Jul;73(4):441–7

Cardiovascular effects of intramuscular or inhaled terbutaline in asthmatics. Buch J, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Mar;54(3):183–8

Pathophysiology and treatment of asthma and arthritis. Symposium held at Erasmus University, Rotterdam, October 14–15, 1982 to celebrate the 60th birthday of Prof. Dr. I.L. Bonta. **Agents Actions [Suppl]** 1984;14:1–259

New developments in the pathophysiology of asthma. Kerrebijn KF. **Agents Actions [Suppl]** 1984;14:23–31

The mediators of bronchial asthma and the mechanism of their release. Skidmore IF, et al. **Agents Actions [Suppl]** 1984;14:33–58 (63 ref.)

Comparison of acetylcholine sensitivity in asthmatics with negative and positive response to exercise. Nagy L, et al. **Allerg Immunol (Leipz)** 1983;29(3):145–8

Seasonal variation of asthma and allergic rhinitis. Consultation pattern in general practice related to pollen and spore counts and to five indicators of air pollution. Pedersen PA, et al. **Allergy** 1984 Apr;39(3):165–70

Nasal respiratory resistance and head posture: effect of intranasal corticosteroid (Budesonide) in children with asthma and perennial rhinitis. Wenzel A, et al. **Am J Orthod** 1983 Nov;84(5):422–6

Effect of exercise rate and route of inhalation on sulfur–dioxide–induced bronchoconstriction in asthmatic subjects. Bethel RA, et al. **Am Rev Respir Dis** 1983 Oct; 128(4):592–6

Sulfur dioxide–induced bronchoconstriction in freely breathing, exercising, asthmatic subjects. Bethel RA, et al. **Am Rev Respir Dis** 1983 Dec;128(6):987–90

The effect of atropine on allergen–induced increases in bronchial responsiveness to histamine. Boulet LP, et al. **Am Rev Respir Dis** 1984 Sep;130(3):368–72

Effects of bronchodilation on magnitude estimation of added resistive loads in asthmatic subjects. Burki NK. **Am Rev Respir Dis** 1984 Feb;129(2):225–9

Changes in the glottic aperture during bronchial asthma. Collett PW, et al. **Am Rev Respir Dis** 1983 Oct; 128(4):719–23

Adenosine–induced bronchoconstriction in asthma. Antagonism by inhaled theophylline. Cushley MJ, et al. **Am Rev Respir Dis** 1984 Mar;129(3):380–4

Morphine sulfate inhibits bronchoconstriction in subjects with mild asthma whose responses are inhibited by atropine. Eschenbacher WL, et al. **Am Rev Respir Dis** 1984 Sep;130(3):363–7

Alteration in osmolarity of inhaled aerosols cause bronchoconstriction and cough, but absence of a permeant anion causes cough alone. Eschenbacher WL, et al. **Am Rev Respir Dis** 1984 Feb;129(2):211–5

Minute ventilation in asthma. Enhancement by mouthpiece and depression by oxygen administration. Freedman AR, et al. **Am Rev Respir Dis** 1983 Nov;128(5):800–5

Modification of allergic bronchoconstriction by a calcium antagonist: mode of action [letter] Hahn HL. **Am Rev Respir Dis** 1984 Jan;129(1):198–9

Occupational asthma without bronchial hyperresponsiveness. Hargreave FE, et al. **Am Rev Respir Dis** 1984 Sep; 130(3):513–5

Is asthma an epithelial disease? [editorial] Hogg JC, et al. **Am Rev Respir Dis** 1984 Feb;129(2):207–8

Identification and characterization of neutrophil chemotactic activity in aspirin–induced asthma. Hollingsworth HM, et al. **Am Rev Respir Dis** 1984 Sep;130(3):373–9

Comparative effects of sulfur dioxide exposures at 5 degrees C and 22 degrees C in exercising asthmatics. Linn WS, et al. **Am Rev Respir Dis** 1984 Feb;129(2):234–9

Exercise performance in the asthmatic. McFadden ER Jr. **Am Rev Respir Dis** 1984 Feb;129(2 Pt 2):S84–7

The protective effect of inhaled chlorpheniramine and atropine on bronchoconstriction stimulated by airway cooling. O'Byrne PM, et al. **Am Rev Respir Dis** 1983 Oct; 128(4):611–7

Effect of allergic bronchoconstriction on airways epithelial permeability to large polar solutes in the guinea pig. Ranga V, et al. **Am Rev Respir Dis** 1983 Dec;128(6):1065–70

Chest wall configurational changes before and during acute obstructive episodes in asthma. Ringel ER, et al. **Am Rev Respir Dis** 1983 Oct;128(4):607–10

Effect of alpha–adrenergic blockade on exercise–induced asthma and conditioned cold air. Walden SM, et al. **Am Rev Respir Dis** 1984 Sep;130(3):357–62

The shape of the dose–response curve to histamine in asthmatic and normal subjects. Woolcock AJ, et al. **Am Rev Respir Dis** 1984 Jul;130(1):71–5

Importance of physician identification of airflow limitation in stable asthmatics. de Boeck C, et al. **Ann Allergy** 1984 Jul;53(1):30–4

Asthma, or variable obstructive intrabronchial disease (VOID): an in depth review. Falliers CJ. **Ann Allergy** 1984 Aug;53(2):113–7 (37 ref.)

Contraction of guinea pig trachea with antibodies to guinea pig IgE. An in vitro model for asthma. II. Reactivity of guinea pig tracheas to anti IgG1 and anti IgG2 in comparison with anti IgE. Ito K, et al. **Ann Allergy** 1984 May;52(5):375–8

A 21–month–old girl presenting with status asthmaticus [clinical conference] Kiefer TA, et al. **Ann Allergy** 1984 May;52(5):331–2, 344–7

Asthma: a panoramic view and a hypothesis. Scanlon RT. **Ann Allergy** 1984 Sep;53(3):203–12 (51 ref.)

The vomiting asthmatic. Schreier L, et al. **Ann Allergy** 1984 Jul;53(1):42–4

Cromolyn modifies histamine bronchial reactivity in symptomatic seasonal asthma. Stafford WP, et al. **Ann Allergy** 1984 Jun;52(6):401–5

Relation between positive small air ions, weather fronts and pulmonary function in patients with bronchial asthma. Wagner CJ, et al. **Ann Allergy** 1983 Oct;51(4):430–5

Bronchodilating effect of cromolyn sodium in asthmatic patients at rest and following exercise. Weiner P, et al. **Ann Allergy** 1984 Aug;53(2):186–8

Analysis of hyperventilation response in asthmatics. Zeballos RJ, et al. **Ann Allergy** 1984 Mar;52(3 Pt 1):159–65

Airway effects of low concentrations of sulfur dioxide: dose–response characteristics. Schachter EN, et al. **Arch Environ Health** 1984 Jan–Feb;39(1):34–42

Relationship of wheezing to the severity of obstruction in asthma. Shim CS, et al. **Arch Intern Med** 1983 May; 143(5):890–2

Comparison of salbutamol powder with terbutaline aerosol administered with a tube spacer in asthmatic children. Francis PW, et al. **Aust Paediatr J** 1983 Dec;19(4):245–7

Dangerous asthma. Dornhorst AC. **Aviat Space Environ Med** 1984 May;55(5):422

The effect of cimetidine on the relative cardioselectivity of atenolol and metoprolol in asthmatic patients. Ellis ME, et al. **Br J Clin Pharmacol** 1984;17 Suppl 1:59S–64S

Pulmonary function changes after bronchoalveolar lavage in asthmatic patients. Ancić P, et al. **Br J Dis Chest** 1984 Jul;78(3):261–3

Alcoholic drinks and asthma: a survey. Ayres JG, et al. **Br J Dis Chest** 1983 Oct;77(4):370–5

Nocturnal asthma: mechanisms and treatment [editorial] Barnes PJ. **Br Med J [Clin Res]** 1984 May 12; 288(6428):1397–8

Peripheral airways mucus clearance in stable asthma is improved by oral corticosteroid therapy. Agnew JE, et al. **Bull Eur Physiopathol Respir** 1984 May–Jun; 20(3):295–301

Effects of ultrasonically nebulized distilled water on respiratory resistance and breathing pattern in normals and asthmatics. Chadha TS, et al. **Bull Eur Physiopathol Respir** 1984 May–Jun;20(3):257–62

Bronchial hyperreactivity. Charpin J. **Bull Eur Physiopathol Respir** 1984 Jan–Feb;20(1):5–9 **(Eng, Fre)**

Isocapnic hyperventilation with cold air in healthy non–smokers, smokers and asthmatic subjects. Decramer M, et al. **Bull Eur Physiopathol Respir** 1984 May–Jun; 20(3):237–43

Bronchial response to hyperventilation of dry air at room temperature in normals and asthmatics. Denjean A, et al. **Bull Eur Physiopathol Respir** 1983 Sep–Oct;19(5):477–82

Circadian variations of airway response to histamine in asthmatic subjects. Rachiele A, et al. **Bull Eur Physiopathol Respir** 1983 Sep–Oct;19(5):465–9

Asthma and cessation of smoking. Hillerdahl G, et al. **Clin Allergy** 1984 Jan;14(1):45–7

Exercise–induced asthma. Physiologic and clinical considerations. Bleecker ER. **Clin Chest Med** 1984 Mar; 5(1):109–19

Early prediction of the need for hospitalization in children with acute asthma. Silver RB, et al.

Clin Pediatr (Phila) 1984 Feb;23(2):81–4
Exercise-induced asthma. Eggleston PA. **Clin Rev Allergy** 1983 Mar;1(1):19–37 (150 ref.)
Gastroesophageal reflux and asthma. Shapiro GG, et al. **Clin Rev Allergy** 1983 Mar;1(1):39–56 (52 ref.)
Methacholine dose-response curves in normal and asthmatic man: effect of starting conductance and pharmacological antagonism. Chung KF, et al. **Clin Sci** 1984 Jun; 66(6):665–73
The role of infection in asthma: implications for antibiotic therapy. Pichurko BM, et al. **Compr Ther** 1984 Mar; 10(3):32–6
Pathophysiology of asthma. Casale TB, et al. **Ear Nose Throat J** 1984 Feb;63(2):8, 10–2, 15 passim
Exercise-induced asthma. Weinstein R. **Ear Nose Throat J** 1984 Feb;63(2):57–8, 60–1, 64–5
Dose considerations in the SO2-exposed exercising asthmatic. Colucci AV, et al. **Environ Health Perspect** 1983 Oct;52:221–32
The prevalence of asymptomatic gastro-oesophageal reflux in adult patients with asthma [letter] Kjellén G, et al. **Eur J Respir Dis** 1984 Apr;65(3):233
Pulmonary function in severe chronic asthma in children during apparent clinical remission. Mok JY, et al. **Eur J Respir Dis** 1983 Oct;64(7):487–93
Factors determining residual volume in normal and asthmatic subjects. Pedersen OF, et al. **Eur J Respir Dis** 1984 Feb; 65(2):99–105
Persisting airflow limitation in asthmatics receiving routine self-adjusted medication. Tschopp JM, et al. **Eur J Respir Dis** 1984 Jul;65(5):346–53
Asthma—pathophysiology and treatment. A symposium of Glaxo, Sweden. **Eur J Respir Dis [Suppl]** 1984;136:1–222
Recent advances in the understanding of exercise-induced asthma. Anderson SD. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 1):225–36
Adrenergic receptors of normal and asthmatic airways. Barnes PJ. **Eur J Respir Dis [Suppl]** 1984;135:72–9
Drug effect on bronchial response to PGF2 alpha and water inhalation. Bianco S, et al. **Eur J Respir Dis [Suppl]** 1983; 128 (Pt 1):213–21
The effect of alpha adrenergic blockade on non-specific airways reactivity and exercise induced asthma. Bleecker ER, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 1):258–65
The role of the parasympathetic system in the regulation of bronchial smooth muscle. Boushey HA. **Eur J Respir Dis [Suppl]** 1984;135:80–90
Pretreatment of exercise-induced asthma with inhaled vasoactive intestinal peptide (VIP). Bundgaard A, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 2):427–9
Diurnal variation in exercise-induced asthma. Bundgaard A, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 2):424–6
Exercise-induced asthma – laboratory observations. Bundgaard A. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 1):253–7
The bronchodilating effect of fenoterol after intranasal administration. Dirksen H, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 1):116–9
Effect of airway infections on bronchial reactivity. Empey DW. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 1):366–8
A comparison of exercise, hyperventilation with cold air and warm air, and the inhalation of 'fog' in the provocation of asthma. Higenbottam T, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 2):421–3
Are exercise and isocapnic voluntary hyperventilation identical bronchial provocations? Ingram RH Jr, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 1):242–5
Dynamics of the lymphocyte beta-adrenoceptor system in patients with allergic bronchial asthma. Meurs H, et al. **Eur J Respir Dis [Suppl]** 1984;135:47–61
Cellular dysregulation in asthma and bronchial hyperreactivity. Neijens HJ, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 2):413–4
On vagal bronchoconstriction in asthmatic patients by nasal irritation. Nolte D, et al. **Eur J Respir Dis [Suppl]** 1983; 128 (Pt 1):110–5
Mediators and non-specific bronchial hyperreactivity. Pauwels R. **Eur J Respir Dis [Suppl]** 1983;129:95–111 (26 ref.)
The sympathetic and parasympathetic system in bronchial hyperreactivity. A synthesis. Reed CE. **Eur J Respir Dis [Suppl]** 1984;135:91–6
Ventilation effects of fenoterol powder and freon-propelled aerosol in patients with asthma. Salorinne Y, et al. **Eur J Respir Dis [Suppl]** 1983;130:6–8
Non-specific bronchial hyperreactivity: correlation to asthma and modifying factors. Simonsson BG. **Eur J Respir Dis [Suppl]** 1984;136:17–24
Control of airway smooth muscle and mechanisms of bronchial hyperreactivity. Skoogh BE. **Eur J Respir Dis [Suppl]** 1984;136:9–15
Two types of responses to exercise and isocapnic hyperventilation in asthmatics. Souhrada JF, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 1):246–52
Szentivanyi's hypothesis of asthma. Svedmyr N. **Eur J Respir Dis [Suppl]** 1984;136:59–65
Non-invasive method for detecting laryngeal narrowing with low frequency sound: effect of fenoterol on laryngeal dilatation. Takishima T, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 2):403–5
Neurogenic and myogenic mechanisms of nonspecific bronchial hyperresponsiveness. Thomson NC. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 1):206–12
Mediators and reflex bronchoconstriction. Widdicombe JG. **Eur J Respir Dis [Suppl]** 1983;129:65–94 (57 ref.)
The response of the airways to nasal stimulation in asthmatics with rhinitis. Yan K, et al. **Eur J Respir Dis [Suppl]** 1983; 128 (Pt 1):105–9
'Asthma' that cleared when patient coughed. Norman PS, et al. **Hosp Pract** 1983 Nov;18(11):51–4, 57
Regulation of the cardiac rhythm in children with bronchial asthma exposed to high-altitude conditions in a pressure chamber. Moskvichev OK. **Hum Physiol** 1982 Nov-Dec; 8(6):428–31
Adenosine as a bronchoconstrictor mediator in asthma and its antagonism by methylxanthines. Holgate ST, et al. **J Allergy Clin Immunol** 1984 Sep;74(3 Pt 1):302–6
Exercise and isocapnic hyperventilation-induced bronchoconstriction in asthma: relevance of circulating basophils to measurements of plasma histamine. Howarth PH, et al. **J Allergy Clin Immunol** 1984 Mar;73(3):391–9
Reflections on some aspects of current research in asthma. Krzanowski JJ, et al. **J Allergy Clin Immunol** 1983 Nov; 72(5 Pt 1):433–42 (124 ref.)
The bronchodilator response to inhalation of increasing doses of aerosolized albuterol. Nelson HS, et al. **J Allergy Clin Immunol** 1983 Oct;72(4):371–5
Variable inhibition of histamine-induced bronchoconstriction by atropine in subjects with asthma. Sheppard D, et al. **J Allergy Clin Immunol** 1984 Jan;73(1 Pt 1):82–7
Role of respiratory heat exchange in asthma [letter] Deal EC Jr, et al. **J Appl Physiol** 1984 Aug;57(2):608–9
Lung epithelial permeability: relation to nonspecific airway responsiveness. O'Byrne PM, et al. **J Appl Physiol** 1984 Jul;57(1):77–84
Exercise gas exchange in asthmatics after beta-adrenergic blockade. Sue DY, et al. **J Appl Physiol** 1983 Aug; 55(2):529–33
Diurnal variations in asthma. Anand AC, et al. **J Assoc Physicians India** 1983 May;31(5):293–6
Serial clinical, spirometric and blood gas tension studies in status asthmaticus. Gupta S, et al. **J Assoc Physicians India** 1983 Jul;31(7):413–5
Do weather conditions change pulmonary function of asthmatics at summer camp? Chipps BE, et al. **J Asthma** 1984;21(1):15–20
Atopic disposition and bronchial reactivity to inhaled acetylcholine in young adults with a history of asthma in childhood. Nagata S, et al. **J Asthma** 1984;21(3):151–9
Exercise-induced asthma. Shapiro GG, et al. **J Asthma** 1983; 20(5):383–9
Crying-induced bronchospasm in childhood asthma. Weinstein AG. **J Asthma** 1984;21(3):161–5
Lung function differences in asthma [letter] Bye MR. **J Pediatr** 1983 Nov;103(5):834–6
Response to cold air hyperventilation in normal and in asthmatic children. Tal A, et al. **J Pediatr** 1984 Apr; 104(4):516–21
Effects of 0.2 ppm nitrogen dioxide on pulmonary function and response to bronchoprovocation in asthmatics. Kleinman MT, et al. **J Toxicol Environ Health** 1983 Oct-Dec;12(4–6):815–26
Air pollutants might aggravate athletes' asthma, allergies [news] Prescott LM. **JAMA** 1984 May 18;251(19):2496
Caffeine opens airways for asthmatics [news] Simmons K. **JAMA** 1984 Jan 27;251(4):441
Ventilatory response to carbon dioxide in bronchial asthma and chronic obstructive lung disease. Tamura M, et al. **Jpn J Med** 1983 Aug;22(3):190–4
Mediator characterisation and asthma [letter] Morley J, et al. **Lancet** 1984 Jan 21;1(8369):162
Asthma: new mediators and old problems [editorial] Goetzl EJ. **N Engl J Med** 1984 Jul 26;311(4):252–3
The bronchoconstrictor effect of inhaled prostaglandin D2 in normal and asthmatic men. Hardy CC, et al. **N Engl J Med** 1984 Jul 26;311(4):209–13
Measurement of total respiratory resistance in children by a modified forced oscillation method. Nussbaum E, et al. **Pediatr Res** 1984 Feb;18(2):139–45
Cold air challenge of airway hyperreactivity in children: practical application and theoretical aspects. Zach M, et al. **Pediatr Res** 1984 May;18(5):469–78
American Academy of Pediatrics. Committee on Children with Disabilities and Committee on Sports Medicine. The asthmatic child's participation in sports and physical education. **Pediatrics** 1984 Jul;74(1):155–6
Incomplete recovery of inequality of ventilation after clinical recovery from acute asthma. Honeybourne D, et al. **Postgrad Med J** 1983;59 Suppl 3:76–8
Mechanical and biochemical alterations in guinea-pig tracheae caused by sensitisation. Kaukel E, et al. **Respiration** 1984;45(3):255–61
Comparison of isocapnic hyperventilation and treadmill exercise in children with exercise-induced asthma. Schmidt A, et al. **Scand J Clin Lab Invest** 1983 May;43(3):203–6
Comparison of airway reactivity induced by histamine, methacholine, and isocapnic hyperventilation in normal and asthmatic subjects. Aquilina AT. **Thorax** 1983 Oct; 38(10):766–70
Refractory period following induced asthma: contributions of exercise and isocapnic hyperventilation. Ben-Dov I, et al. **Thorax** 1983 Nov;38(11):849–53
Comparison of cumulative and non-cumulative techniques to measure dose-response curves for beta agonists in patients with asthma. Britton J, et al. **Thorax** 1984 Aug; 39(8):597–9
Effect of inspiratory flow rate on bronchomotor tone in normal and asthmatic subjects. Hida W, et al. **Thorax** 1984 Feb;39(2):86–92
Variability of peak flow in wheezy children. Johnston I, et al. **Thorax** 1984 Aug;39(8):583–7
Nifedipine enhances the bronchodilator effect of salbutamol. Lever AM, et al. **Thorax** 1984 Aug;39(8):576–8
Effect of positive ionisation of inspired air on the response of asthmatic children to exercise. Lipin I, et al. **Thorax** 1984 Aug;39(8):594–6
Effect of antihistamines and antiallergic drugs on responses to allergen and histamine provocation tests in asthma. Phillips MJ, et al. **Thorax** 1984 May;39(5):345–51
Effects of calcium channel blockade on histamine induced bronchoconstriction in mild asthma. Walters EH, et al. **Thorax** 1984 Aug;39(8):572–5
Bronchial responsiveness to hyperventilation in children with asthma: inhibition by ipratropium bromide. Wilson N, et al. **Thorax** 1984 Aug;39(8):588–93
Haemophilus influenzae and the beta-adrenergic system: a review. Schreurs AJ, et al. **Vet Res Commun** 1984 Feb; 8(1):1–14 (72 ref.)
[Diagnostic value of mean transit time (MTT) and partial mean transit time (MTTp) of the forced expiratory spirogram in asthmatic patients in an asymptomatic period] Lu WX. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1983 Jun;6(3):152–4 (Eng. Abstr.) **(Chi)**
[Respiratory function tests for asthmatic children in the convalescent stage] Mu KJ. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1983 Jun;6(3):149–51 (Eng. Abstr.) **(Chi)**
[Incidence of post-exertional bronchospasm and the functional fitness of asthmatic children] Popper E, et al. **Cesk Pediatr** 1984 Jan;39(1):15–20 (Eng. Abstr.) **(Cze)**
[Changes in the electrocardiogram in status asthmaticus] Soria R, et al. **Ann Cardiol Angeiol (Paris)** 1984 Apr; 33(3):153–8 (Eng. Abstr.) **(Fre)**
[The asthma crisis. Study of intrathoracic pressure. Correlation with data on mechanical ventilation and hemodynamics] Harmoir-François G, et al. **Ann Pediatr (Paris)** 1983 Dec;30(10):763–7 (Eng. Abstr.) **(Fre)**
[Bronchial response to acetylcholine and Dermatophagoides pteronissimus in asymptomatic asthmatics] Machiels J, et al. **Bull Eur Physiopathol Respir** 1983 Sep-Oct;19(5):483–8 (Eng. Abstr.) **(Fre)**
[Captopril tolerability in the asthmatic patient (letter)] Targhetta R, et al. **Presse Med** 1984 Jun 30;13(27):1699 **(Fre)**
[Value of isocapnic hyperventilation in measuring bronchial reactivity in the child] Gutkowski P, et al. **Rev Mal Respir** 1984;1(1):15–8 (Eng. Abstr.) **(Fre)**
[Physiopathological approach to asthma] Favez G. **Schweiz Rundsch Med Prax** 1984 Jan 3;73(1):3–6 (49 ref.) (Eng. Abstr.) **(Fre)**
[Physical stress and hyperventilation as trigger factors of airway obstruction in bronchial asthma] Magnussen H, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:685–6 **(Ger)**
[Comparative studies of respiratory drive and respiratory response in normal persons and in patients with emphysema, asthma and lung fibrosis] Scheidt-Mackes M, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:819–22 (Eng. Abstr.) **(Ger)**
[Effect of flow-resistive respiration on the electrical activity of the diaphragm in patients with bronchial asthma and probands] Wossidlo H, et al. **Prax Klin Pneumol** 1983 Oct; 37 Suppl 1:1051–3 (Eng. Abstr.) **(Ger)**
[The centrally acting antihypertensive drug guanfacine. Effect on lung function and circulatory parameters in hypertensive patients with bronchial asthma] Dorow P, et al. **ZFA (Stuttgart)** 1983 Sep 30;59(27):1520–4 **(Ger)**
[Circadian rhythm of ventilatory parameters of intrinsic asthma in clinical remission] De Benedetto F, et al. **Boll Soc Ital Biol Sper** 1983 Aug 30;59(8):1082–5 (Eng. Abstr.) **(Ita)**
[Exercise-induced pathophysiological changes in asthmatic children. VII. Late asthmatic response in exercise-induced asthma: changes in chemical mediators and effects of the use of a mask and drugs] Inui H, et al. **Arerugi** 1984 Feb; 33(2):102–11 (Eng. Abstr.) **(Jpn)**
[Exercise-induced pathophysiological changes in asthmatic children. VI. Late asthmatic response in exercise-induced asthma: lung function] Inui H, et al. **Arerugi** 1983 Jun; 32(6):301–9 (Eng. Abstr.) **(Jpn)**
[Changes in levels of SRS-A and histamine during provoked bronchoconstriction in patients with bronchial asthma] Itoh T. **Arerugi** 1983 Dec;32(12):1172–9 (Eng. Abstr.) **(Jpn)**
[Helium flow-volume curve in asthmatic children. Part II. A study on helium flow-volume curve during attacks and during attack-free periods] Kawamura G, et al. **Arerugi** 1983 Jun;32(6):324–32 (Eng. Abstr.) **(Jpn)**
[5-10 year follow-up of children who have recovered from bronchial asthma] Tomita K, et al. **Arerugi** 1983 Mar; 32(3):158–63 (Eng. Abstr.) **(Jpn)**
[Examination of factors influencing exercise-induced bronchospasm (EIB) in asthmatic children. 3. Investigation of the interval between exercise tests] Tsuda F, et al. **Arerugi** 1984 Jan;33(1):24–34 (Eng. Abstr.) **(Jpn)**
[Effect of deep inspiration on Vmax in the normal control

and patients with bronchial asthma—evaluation by the airway reversibility test with ipratropium bromide inhalation] Fujimura M, et al.
Nippon Kyobu Shikkan Gakkai Zasshi 1983 Jul;21(7):653–8 (Eng. Abstr.) **(Jpn)**

[Time–frequency spectrum analysis of lung sounds in asthmatics] Maeda Y, et al.
Nippon Kyobu Shikkan Gakkai Zasshi 1983 Jul;21(7):639–45 (Eng. Abstr.) **(Jpn)**

[Status of the surface-active properties of surfactant in bronchial asthma] Ado AD, et al. **Klin Med (Mosk)** 1984 Apr;62(4):41–6 (Eng. Abstr.) **(Rus)**

[Pathophysiology of bronchial asthma] Ado AD.
Klin Med (Mosk) 1984 Jun;62(6):5–9 **(Rus)**

[Microcirculatory disorders in patients with bronchial asthma] Alekhina RM. **Klin Med (Mosk)** 1983 Dec; 61(12):58–63 **(Rus)**

[Evaluation of various methods of determining bronchial patency] Logunov OV, et al. **Klin Med (Mosk)** 1984 Apr; 62(4):54–6 (Eng. Abstr.) **(Rus)**

[Study of the receptor sensitivity to glucagon in patients with bronchial asthma] Chuchalin AG, et al. **Lab Delo** 1983; (7):20–4 (Eng. Abstr.) **(Rus)**

[Ventilatory function of the lungs in the interictal period of bronchial asthma in children] Abilova AA. **Pediatriia** 1984 Jan;(1):38–40 **(Rus)**

[Method of evaluating forced expiration in children with bronchopulmonary diseases] Artamonov RG, et al.
Pediatriia 1983 Jul;(7):26–8 (10 ref.) **(Rus)**

[Study of Regional pulmonary ventilation in children with chronic and recurrent diseases of the respiratory organs by the roentgenopneumopolygraphic method] Krynskiĭ Bla, et al. **Pediatriia** 1983 Jul;(7):28–30 (4 ref.) **(Rus)**

[Status of pulmonary circulation in patients with nonspecific diseases of the lungs] Aleksandrov OV, et al. **Sov Med** 1984;(2):92–5 **(Rus)**

[Evaluation of bronchial tree function by the flow–volume test in bronchial asthma patients] Doronina IuV, et al.
Sov Med 1984;(5):44–7 (Eng. Abstr.) **(Rus)**

[Capillary blood flow changes in the lungs of tuberculosis and bronchial asthma patients] Ershov AI, et al.
Sov Med 1984;(6):22–7 (Eng. Abstr.) **(Rus)**

[Evaluation of the degree of bronchial obstruction in bronchial asthma] Abrosimov VN, et al. **Ter Arkh** 1983; 55(11):68–70 **(Rus)**

[Various indices of the kallikrein–kinin and sympatho–adrenal system in bronchial asthma patients] Garmash VIa, et al. **Ter Arkh** 1983;55(10):115–7 (21 ref.) (Eng. Abstr.) **(Rus)**

[Dependence of bronchial beta–adrenergic and cholinergic receptor function on serum immunoglobulin and cyclic adenosine monophosphate levels in the lymphocytes of bronchial asthma patients] Minkailov KM. **Ter Arkh** 1984; 56(3):26–30 (Eng. Abstr.) **(Rus)**

[Effect of reflexotherapy on the functional state of the sympathoadrenal system in patients with bronchial asthma] Markelova VF, et al. **Vopr Med Khim** 1983 Jul–Aug; 29(4):106–9 (Eng. Abstr.) **(Rus)**

[Radioisotope hepatography in evaluating liver function in infectious–allergic forms of bronchial asthma] Fesenko IP, et al. **Vrach Delo** 1984 Jan;(1):54–6 (Eng. Abstr.) **(Rus)**

[External respiratory functions during treatment of chronic pneumonia complicated by bronchial asthma] Fesenko IP. **Vrach Delo** 1984 Feb;(2):8–12 (Eng. Abstr.) **(Rus)**

[Kinin system, blood coagulation and fibrinolysis in bronchial asthma patients] Iasnitskaia MIa, et al. **Vrach Delo** 1983 Nov;(11):39–42 (Eng. Abstr.) **(Rus)**

[Neutrophil chemotaxis in patients with infectious–allergic bronchial asthma] Poliak NR.
Zh Mikrobiol Epidemiol Immunobiol 1984 Jan;(1):80–2 (Eng. Abstr.) **(Rus)**

[Bronchial asthma in the adolescent] Cruz–Hernández M, et al. **An Esp Pediatr** 1983 Sep;19 Suppl 18:117–26 (Eng. Abstr.) **(Spa)**

[Asthma: the '3 R's' disease (reactivity, reversibility and rhythmicity)] Gozalo Reques F, et al. **Med Clin (Barc)** 1984 May 12;82(18):794–6 (Eng. Abstr.) **(Spa)**

[The natural history of asthma in childhood] Phelan P.
Rev Chil Pediatr 1983 Sep–Oct;54(5):365–9 (Eng. Abstr.) **(Spa)**

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Nifedipine in the prevention of asthma induced by exercise and histamine. Corris PA, et al. **Am Rev Respir Dis** 1983 Dec;128(6):991–2

The effect of troleandomycin and methylprednisolone alone and in combination on bronchial sensitivity to methacholine. Andrade WP, et al. **Ann Allergy** 1983 Nov; 51(5):515–7

Community campaign against asthma. Colver AF.
Arch Dis Child 1984 May;59(5):449–52

Asthma and Arizona. Barbee RA, et al. **Ariz Med** 1984 May; 41(5):345

Inhaled lactose-free sodium cromoglycate powder in the treatment of recurrent asthma. Basran GS, et al.
Br J Dis Chest 1984 Jul;78(3):254–60

The duration of protection from exercise–induced asthma by inhaled salbutamol, and a comparison with inhaled reproterol. Higgs CM, et al. **Br J Dis Chest** 1983 Jul; 77(3):262–9

Double–blind comparisons of slow–release theophylline, ketotifen and placebo for prophylaxis of asthma in young children. Stratton D, et al. **Br J Dis Chest** 1984 Apr; 78(2):163–7

Subcutaneous terbutaline and control of brittle asthma or appreciable morning dipping. Ayres J, et al.
Br Med J [Clin Res] 1984 Jun 9;288(6432):1715–6

Preventing asthma [letter] Baker H. **Can Med Assoc J** 1983 Nov 15;129(10):1079–82

Fenoterol in exercise–induced asthma. Effect of dose on efficacy and duration of action. König P, et al. **Chest** 1984 Apr;85(4):462–4

Anti–asthmatic effects and drug tolerance of selective beta 2–adrenergic stimulants in guinea–pigs. Arai Y, et al.
Eur J Respir Dis [Suppl] 1983;128 (Pt 2):506–8

Prevention of cold–induced asthma by conditioning the inspired air. Bengtsson U, et al.
Eur J Respir Dis [Suppl] 1984;136:45–7

Pretreatment of exercise–induced asthma with beta–2 agonists inhaled from RV to TLC or at TLC. A preliminary report. Bundgaard A.
Eur J Respir Dis [Suppl] 1983;128 (Pt 2):518–20

Pretreatment of exercise–iaduced asthma by disodium cromoglycate and fenoterol. Bundgaard A, et al.
Eur J Respir Dis [Suppl] 1983;128 (Pt 2):521–5

Pretreatment of exercise–induced asthma in children using disodium cromoglycate and fenoterol inhalation powder. Bundgaard A, et al. **Eur J Respir Dis [Suppl]** 1983; 130:36–41

Double–blind pretreatment of exercise–induced asthma with sequential inhalations of fenoterol from an aerosol and as a powder (second of two parts). Bundgaard A, et al.
Eur J Respir Dis [Suppl] 1983;130:66–72

Pretreatment of exercise–induced asthma with sequential inhalations of fenoterol as aerosol and as powder (first of two parts). Bundgaard A, et al.
Eur J Respir Dis [Suppl] 1983;130:59–65

Preventive effect of fenoterol on allergen–induced bronchospasm. D'Amato G, et al.
Eur J Respir Dis [Suppl] 1983;128 (Pt 2):509–12

Comparison of inhaled fenoterol and salbutamol in the prevention of exercise–induced asthma. Sturani C, et al.
Eur J Respir Dis [Suppl] 1983;128 (Pt 2):526–8

Relation between efficacy of sodium cromoglycate and baseline lung function in exercise– and hyperventilation–induced asthma. Ben–Dov I, et al.
Isr J Med Sci 1984 Feb;20(2):130–5

Inhibition of exercise–induced asthma by theophylline. Ellis EF. **J Allergy Clin Immunol** 1984 May;73(5 Pt 2):690–2

The use of cromolyn in the management of hyperreactive airways and exercise. König P. **J Allergy Clin Immunol** 1984 May;73(5 Pt 2):686–9

Beta–adrenergic drugs in the management of asthma in athletes. Sly RM. **J Allergy Clin Immunol** 1984 May;73(5 Pt 2):680–5

'Great Expectations'–defined and refined. Falliers CJ.
J Asthma 1984;21(4):271–2

Direction, motivation, and successful self–management of asthma: focus on drug compliance. Weinstein AG.
J Asthma 1984;21(4):281–3

Effect of acupuncture on exercise–induced asthma. Chow OK, et al. **Lung** 1983;161(6):321–6

Exercise–induced asthma: comparison of cromoglycate powder and aerosol four hours before exercise. Jones DT, et al. **NZ Med J** 1984 Jan 11;97(747):6–8

Prophylactic drugs in asthma. Anderson G.
Postgrad Med J 1983;59 Suppl 3:62–3

Inhibition by sodium cromoglycate of bronchoconstriction stimulated by respiratory heat loss: comparison of pressurised aerosol and powder. Latimer KM, et al.
Thorax 1984 Apr;39(4):277–81

Influence of diltiazem on bronchoconstriction induced by cold air breathing during exercise. Magnussen H, et al.
Thorax 1984 Aug;39(8):579–82

[What is certain in the prophylaxis of bronchial asthma] Wettengel R. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:887–90 (Eng. Abstr.) **(Ger)**

[Ketotifen in the preventive treatment of bronchial asthma] Zambrano Villa SA, et al. **Alergia** 1984 Apr–Jun;31(2):73–5 (Eng. Abstr.) **(Spa)**

[Effectiveness of disodium cromoglycate, salbutamol, and ipratropium bromide in the inhibition of exercise–induced bronchospasm] Vázquez C, et al. **An Esp Pediatr** 1984 May; 20(8):756–62 (Eng. Abstr.) **(Spa)**

PSYCHOLOGY

Asthma induced by suggestion: is it due to airway cooling? Lewis RA, et al. **Am Rev Respir Dis** 1984 May;129(5):691–5

Third International Workshop on Respiratory Psychophysiology. Bordeaux, September 1–2, 1983. Abstracts. **Bull Eur Physiopathol Respir** 1984 Jan–Feb; 20(1):83–95

Comparative psychiatric studies on children and adolescents suffering from cystic fibrosis and bronchial asthma. Steinhausen HC, et al. **Child Psychiatry Hum Dev** 1983 Winter;14(2):117–30

Life events in relation to psychopathology among severely and chronically ill children and adolescents. Steinhausen HC. **Child Psychiatry Hum Dev** 1983 Summer;13(4):249–58

Psychological management of the asthmatic child. Conners CK. **Clin Rev Allergy** 1983 Mar;1(1):163–77 (92 ref.)

Emotions and asthma I. Bengtsson U.
Eur J Respir Dis [Suppl] 1984;136:123–9

Emotions and asthma II. Tunsäter A.
Eur J Respir Dis [Suppl] 1984;136:131–7

Correlates of psychopathology in sick children: an empirical model. Steinhausen HC, et al.
J Am Acad Child Psychiatry 1983 Nov;22(6):559–64

Psychological factors associated with pediatric asthma death: a review. Friedman MS. **J Asthma** 1984;21(2):97–117 (124 ref.)

Interrelationship of indices of emotional precipitants of asthma, psychological response to asthma, and symptom history in children. Jurenec GS, et al. **J Asthma** 1984; 21(1):21–8

Expressed emotion and airway conductance in children with bronchial asthma. Hollaender J, et al. **J Psychosom Res** 1983;27(4):307–11

Changes in children's school performance as a result of education for family management of asthma. Clark NM, et al. **J Sch Health** 1984 Apr;54(4):143–5

Monograph 13. The interrelationships between the asthmatic child's dependency behavior, his perception of his illness, and his mother's perception of his illness. Khampalikit S.
Matern Child Nurs J 1983 Winter;12(4):221–96

Asthma in New Zealand [letter] Roe W. **NZ Med J** 1983 Jul 13;96(735):543

Asthma and emotional factor. Rukman J, et al.
Paediatr Indones 1983 May–Jun;23(5–6):118–22

Childhood asthma. Fritz GK. **Psychosomatics** 1983 Nov; 24(11):959–67

Suicidal trends in patients with asthma and hypertension. A chart study. Levitan H. **Psychother Psychosom** 1983; 39(3):165–70

Personality characteristics and dysthymic states in bronchial asthma. Lyketsos GC, et al. **Psychother Psychosom** 1984; 41(4):177–85

[Evaluation of alexithymic traits in bronchial asthma patients. Use of the Schalling Sifneos Personality Scale] Cabras PL, et al. **Riv Patol Nerv Ment** 1983 Jan–Feb;104(1):35–46 (Eng. Abstr.) **(Ita)**

[Studies on comprehensive asthma inventory (CAI). History of CAI and its current use] Katsura T, et al. **Arerugi** 1984 Apr;33(4):231–41 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

Pneumothorax in acute asthma [letter] Swain DG.
Br Med J [Clin Res] 1984 Jul 14;289(6437):109

X–rays in childhood asthma [editorial] **Lancet** 1983 Oct 15; 2(8355):894

Chest X–rays and childhood asthma [letter] Gillies DR, et al. **Lancet** 1983 Nov 12;2(8359):1149

Chest radiography in first asthma attacks [letter]
N Engl J Med 1984 Jan 12;310(2):125–6

RADIONUCLIDE IMAGING

Radionuclide demonstration of ventilatory abnormalities in mild asthma. Agnew JE, et al. **Clin Sci** 1984 May; 66(5):525–31

[A new isotope technic for the determination of residual volume] Reinhardt R, et al. **Z Erkr Atmungsorgane** 1984; 162(2):128–33 (Eng. Abstr.) **(Ger)**

REHABILITATION

Changing attitudes to exercise induced asthma [editorial] Holgate ST. **Br Med J [Clin Res]** 1983 Dec 3; 287(6406):1650–1

[An example of partnership cooperation. Cantonal League against Tuberculosis and Lung Diseases/Association 'Das Band'] Michaelis E. **Soz Praventivmed** 1984;29(3):149–50 (Eng. Abstr.) **(Ger)**

[Effectiveness of sanatorium–health resort treatment of bronchial asthma (asthmatic bronchitis) in adolescents] Kholopov AP, et al.
Vopr Kurortol Fizioter Lech Fiz Kult 1984 Mar–Apr; (2):55–6 **(Rus)**

SURGERY

[Report on the treatment of 5 cases of bronchial asthma by intrapleural relaxation pneumothorax] Neumann P.
Prax Klin Pneumol 1983 Oct;37(10):1137–9 (Eng. Abstr.) **(Ger)**

[Effect of surgical trauma on respiratory efficiency in bronchial asthma] Babichev SI, et al. **Grudn Khir** 1984 Jul–Aug;(4):76–80 (Eng. Abstr.) **(Rus)**

[Criteria for choosing the side for denervation of the lung in the surgical treatment of bronchial asthma] Babichev SI, et al. **Sov Med** 1984;(2):97–100 **(Rus)**

THERAPY

Acupuncture and bronchial asthma. Christensen PA, et al. **Allergy** 1984 Jul;39(5):379–85

Combined ventilator and bicarbonate strategy in the management of status asthmaticus [letter] Shustack A, et al. **Am J Med** 1984 Jan;76(1):A88

Mechanical controlled hypoventilation in status asthmaticus. Darioli R, et al. **Am Rev Respir Dis** 1984 Mar;129(3):385–7

A reevaluation of immunotherapy for asthma [editorial] Lichtenstein LM, et al. **Am Rev Respir Dis** 1984 May; 129(5):657–9

Increased hospitalizations for asthma among children in the Washington, D.C. area during 1961–1981. Mullally DI, et al. **Ann Allergy** 1984 Jul;53(1):15–9

Domiciliary oxygen therapy. Lindsay D.
Aust Fam Physician 1983 Sep;12(9):649–50

Current concepts in the overall management of asthma. Matts SG. **Br J Clin Pract** 1984 Jun;38(6):205–12

ABC of asthma. Clinical course. Rees J. **Br Med J [Clin Res]** 1984 May 12;288(6428):1441–2

ABC of asthma. General management. Rees J. **Br Med J [Clin Res]** 1984 May 26;288(6430):1595–7

Use of mechanical ventilation in adults with severe asthma (correction) [letter] **Can Med Assoc J** 1984 Apr 15; 130(8):973

Use of mechanical ventilation in adults with severe asthma. Dales RE, et al. **Can Med Assoc J** 1984 Feb 15;130(4):391–5

Mechanical ventilation in adults with severe asthma [letter] Hodder RV. **Can Med Assoc J** 1984 Jun 15;130(12):1522–3

Bronchoalveolar lavage. Its safety in subjects with mild asthma. Rankin JA, et al. **Chest** 1984 Jun;85(6):723–8

Management of the asthmatic, Sabbath-observant Jewish patient. Some guidelines in the light of Jewish law. Schwartz HJ, et al. **Chest** 1983 Dec;84(6):762–5

Thoracic compression for asthma [letter] Watts JI. **Chest** 1984 Sep;86(3):505

Diagnosis and treatment of allergic rhinitis and asthma in infancy and childhood. Klein GL, et al. **Compr Ther** 1984 Mar;10(3):26–30

Arteriovenous shunt in the management of severe asthma. Truedson H, et al. **Eur J Respir Dis** 1984 Jul;65(5):362–4

Decrease of exercise-induced asthma after physical training. Arborelius M Jr, et al. **Eur J Respir Dis [Suppl]** 1984; 136:25–31

Educational self-help approaches in childhood asthma. Bartlett EE. **J Allergy Clin Immunol** 1983 Nov;72(5 Pt 2):545–54 (89 ref.)

The application of theory in childhood asthma self-help programs. Bruhn MG. **J Allergy Clin Immunol** 1983 Nov; 72(5 Pt 2):561–77 (86 ref.)

Response: the application of theory in childhood asthma self-help programs. Clark NM. **J Allergy Clin Immunol** 1983 Nov;72(5 Pt 2):578–80

Response: self-management psychology and the treatment of childhood asthma. Creer TL. **J Allergy Clin Immunol** 1983 Nov;72(5 Pt 2):607–10

Self-management of childhood asthma. Goldstein RA, et al. **J Allergy Clin Immunol** 1983 Nov;72(5 Pt 2):522–5

Asthma as a variable in a study of immunotherapy for allergic rhinitis. Grammer LC, et al. **J Allergy Clin Immunol** 1984 May;73(5 Pt 1):557–60

Self-management of childhood asthma. Green LW, et al. **J Allergy Clin Immunol** 1983 Nov;72(5 Pt 2):625–6

Response: educational self-help approaches in childhood asthma. Hindi-Alexander MC. **J Allergy Clin Immunol** 1983 Nov;72(5 Pt 2):555–60 (42 ref.)

Asthma self-management: perspective from the National Institute of Asthma and Infectious Diseases. Krause RM. **J Allergy Clin Immunol** 1983 Nov;72(5 Pt 2):520

Asthma self-management: perspective from the National Heart, Lung, and Blood Institute. Lenfant CJ. **J Allergy Clin Immunol** 1983 Nov;72(5 Pt 2):521

Response: implementing asthma self-management education in medical care settings—issues and strategies. Lewis CE. **J Allergy Clin Immunol** 1983 Nov;72(5 Pt 2):622–4

Implementing asthma self-management education in medical care settings—issues and strategies. Mullen PD, et al. **J Allergy Clin Immunol** 1983 Nov;72(5 Pt 2):611–22 (76 ref.)

Methodologic problems in the evaluation of self-management programs. Popham WJ, et al. **J Allergy Clin Immunol** 1983 Nov;72(5 Pt 2):581–90

Clinical and immunologic aspects of allergen-specific immunotherapy in patients with seasonal allergic rhinitis and/or allergic asthma. Rocklin RE. **J Allergy Clin Immunol** 1983 Oct;72(4):323–38 (70 ref.)

Self-management psychology and the treatment of childhood asthma. Thoresen CE, et al. **J Allergy Clin Immunol** 1983 Nov;72(5 Pt 2):596–606

Response: methodologic problems in the evaluation of self-management programs. Wilson SR. **J Allergy Clin Immunol** 1983 Nov;72(5 Pt 2):590–5

Proceedings of the symposium on management of childhood asthma in the 1980's. Key Biscayne, Florida, February 11–12, 1983. **J Asthma** 1983;20(5):331–418

Why do we treat childhood asthma? Godfrey S. **J Asthma** 1984;21(4):275–7

Management of asthma: understanding, communication, and health maintenance. Shturman R. **J Asthma** 1984; 21(4):279–80

Main mechanisms of therapeutic action in atopic asthma in children. Studenikin MYa, et al. **J Asthma** 1983;20(4):245–9

Immunologic approach to the management of asthma. Zeiger RS, et al. **J Asthma** 1983;20(5):391–409 (55 ref.)

In-the-first-person. Ill and well, with or without doctors. Zoller JE. **J Asthma** 1984;21(1):53–7

Medical care of asthma and wheezing illness in children: a community survey. Anderson HR, et al. **J Epidemiol Community Health** 1983 Sep;37(3):180–6

Picrorrhiza kurroa in bronchial asthma. Doshi VB, et al. **J Postgrad Med** 1983 Apr;29(2):89–95

Treatment of status asthmaticus with halothane. Schwartz SH. **JAMA** 1984 May 25;251(20):2688–9

Acute severe asthma in children in general practice [letter] Mohan G. **Lancet** 1983 Oct 29;2(8357):1033

Effects of connective tissue massage in subacute asthma [letter] Robertson A, et al. **Med J Aust** 1984 Jan 7; 140(1):52–3

Performance of an index predicting the response of patients with acute bronchial asthma to intensive emergency department treatment. Rose CC, et al. **N Engl J Med** 1984 Mar 1;310(9):573–7

Hospital admissions for asthma [letter] Rea HH, et al. **NZ Med J** 1984 Mar 28;97(752):199–200

Asthma: management of the severe attack in the adult [editorial] McGonigle P, et al. **Papua New Guinea Med J** 1983 Mar;26(1):4–6

Children with chronic asthma: care by the generalist and the specialist. Schwartz RH. **Pediatr Clin North Am** 1984 Feb;31(1):87–105

Management of acute severe asthma. Stempel DA, et al. **Pediatr Clin North Am** 1984 Aug;31(4):879–90

Asthma management. New perspectives, improved options. Summers R, et al. **Postgrad Med** 1984 Jul;76(1):209–12, 217–21

Group therapy for asthma patients: a concept for the psychosomatic treatment of patients in a medical clinic—a controlled study. Deter HC, et al. **Psychother Psychosom** 1983;40(1–4):95–105

The treatment of asthma with behavioral intervention: does it work? LeBaron S, et al. **Tex Med** 1983 Jul;79(7):40–2 (16 ref.)

Ionisers in the management of bronchial asthma. Nogrady SG, et al. **Thorax** 1983 Dec;38(12):919–22

Bronchodilatory effect of warm air inhalation during quiet breathing. Carbone JE, et al. **West J Med** 1984 Mar; 140(3):398–402

[Effect of Zaditen in patients with atopic bronchial asthma at Sandanski health resort] Petrov D, et al. **Vutr Boles** 1984; 23(2):98–101 (Eng. Abstr.) **(Bul)**

[Value of serum IgE anti-mite antibody (IgEAM) and IgG anti-mite blocking antibody (IgGAM) estimation in monitoring the treatment of allergic asthma] Shen QY. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1983 Oct;6(5):274–7 (Eng. Abstr.) **(Chi)**

[Appraisal of the efficacy of hyposensitization in extrinsic asthmatics] Tsai JJ, et al. **Taiwan I Hsueh Hui Tsa Chih** 1983 Oct;82(10):1040–4 (Eng. Abstr.) **(Chi)**

[Therapy of severe asthma crisis in children. Therapeutic course. A propos of 40 cases] Hubert P, et al. **Arch Fr Pediatr** 1983 Jun-Jul;40(6):461–4 (Eng. Abstr.) **(Fre)**

[Treatment of an asthmatic crisis by acupuncture. Probable role in the onset of pneumothorax with development to status asthmaticus] Carette MF, et al. **Rev Pneumol Clin** 1984;40(1):69–70 (Eng. Abstr.) **(Fre)**

[Treatment of asthma] Bonstein HS. **Schweiz Rundsch Med Prax** 1984 Jan 3;73(1):13–7 (Eng. Abstr.) **(Fre)**

[Severe status asthmaticus in children: evaluation and treatment] Lamarre A, et al. **Union Med Can** 1984 Feb; 113(2):120–4 (Eng. Abstr.) **(Fre)**

[Therapy control of hyposensitization treatment in inhalation allergies] Bauer CP. **Monatsschr Kinderheilkd** 1984 Jun; 132(6):488–93 **(Ger)**

[Effect of sauna baths on respiratory function in children with asthma syndrome] Menger W, et al. **Prax Klin Pneumol** 1983 Aug;37(8):304–7 (Eng. Abstr.) **(Ger)**

[Allergy: who should be hyposensitized? Indications and practice of specific hyposensitization treatment of allergic diseases] Wüthrich B. **ZFA (Stuttgart)** 1984 Jan 20; 60(2):67–75 **(Ger)**

[Effect of institutional therapy on children with chronic severe intractable asthma] Ito M, et al. **Arerugi** 1983 Nov; 32(11):1099–105 (Eng. Abstr.) **(Jpn)**

[Initiation of a 4-year program of mass education, training and exchange therapy for adult patients with bronchial asthma] Shimizu T, et al. **Arerugi** 1983 Jul;32(7):405–17 (Eng. Abstr.) **(Jpn)**

[Controlled immunotherapy of bronchial asthma] Droszcz W, et al. **Pol Tyg Lek** 1983 Jul 4;38(27):829–30 **(Pol)**

[Emergency care in status asthmaticus] Aliev MA, et al. **Anesteziol Reanimatol** 1984 Mar-Apr;(2):57–9 (Eng. Abstr.) **(Rus)**

[Hemodilution in the combined treatment of status asthmaticus] Bukovskaia TA, et al. **Anesteziol Reanimatol** 1983 Jul-Aug;(4):55–8 (Eng. Abstr.) **(Rus)**

[Case of spontaneous fracture of the rib with subsequent improvement in the condition of bronchial asthma] Plotnikov IuK. **Klin Med (Mosk)** 1983 Dec;61(12):116–7 **(Rus)**

[Immunologic indices in evaluation of the effectiveness of treatment of atopic bronchial asthma in children] Sokolova TS, et al. **Pediatriia** 1983 Dec;(12):21–3 **(Rus)**

[Course and outcome of bronchial asthma during long-term dispensary care] Polushkina AF, et al. **Sov Med** 1984; (3):110–2 **(Rus)**

[Hemodynamic effects of reflexotherapy in treating patients with infectious-allergic bronchial asthma] Baranov IuP, et al. **Ter Arkh** 1984;56(3):44–7 (Eng. Abstr.) **(Rus)**

[Extracorporeal specific immunosorption in the complex treatment of patients with bronchial asthma and hypersensitivity to house dust allergen] Chuchalin AG, et al. **Ter Arkh** 1984;56(6):24–8 **(Rus)**

[Maximal expiratory flow-volume test in evaluating the results of intensive care] Zil'ber EA. **Vestn Akad Med Nauk SSSR** 1983;(10):76–8 (Eng. Abstr.) **(Rus)**

[Evaluation of the effectiveness of treatment of ORL diseases in patients with bronchial asthma by pneumoradiography using Xe-133] Ovchinnikov IuM, et al. **Vestn Otorinolaringol** 1983 Sep-Oct;(5):39–43 (Eng. Abstr.) **(Rus)**

[Suprasternal novocaine block in bronchial asthma] Khelgetian KhKh, et al. **Voen Med Zh** 1984 Apr;(4):53–4 **(Rus)**

[Diagnosis and treatment of bronchial asthma] Tikhomirov ES, et al. **Voen Med Zh** 1984 Jan;(1):29–32 **(Rus)**

[Effectiveness of the early inclusion of physical methods in the combined therapy of bronchial asthma] Bobokhodzhaev IIa, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Jan-Feb;(1):58–9 **(Rus)**

[Efficacy of novocaine phonophoresis in bronchial asthma patients] Dzhuraev AD, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 Nov-Dec; (6):49–50 **(Rus)**

[Consecutive use of intal electrophoresis and inductothermy in bronchial asthma] Eramian SG, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 Nov-Dec; (6):48–9 **(Rus)**

[Role of acupuncture in bronchial asthma in children] Fadeeva MA, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 Nov-Dec; (6):50–2 **(Rus)**

[Sinusoidal modulated currents in the treatment of patients with bronchial asthma] Papakina NA. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Mar-Apr; (2):16–8 (Eng. Abstr.) **(Rus)**

[Organization of health resort treatment of children with respiratory hypersensitivity] Zonis IaM. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 May-Jun; (3):66–9 **(Rus)**

URINE

[Cyclic nucleotides in bronchial asthma] Alekseev VG, et al. **Klin Med (Mosk)** 1983 Dec;61(12):63–6 (Eng. Abstr.) **(Rus)**

[Daily urinary excretion of corticosteroids during hormonal therapy of bronchial asthma patients] Shadmanov UI. **Ter Arkh** 1984;56(3):50–3 **(Rus)**

[Adenyl cyclase system in asthmatic patients (III): urinary excretion of cAMP after glucagon administration] Díez Jarilla JL, et al. **Med Clin (Barc)** 1984 Feb 4;82(4):152–4 (Eng. Abstr.) **(Spa)**

[The adenylcyclase system in asthmatic patients (I). Urinary excretion of cAMP after the administration of an adrenergic beta-2 agonist] Díez Jarilla JL, et al. **Med Clin (Barc)** 1983 Oct 15;81(11):468–71 (Eng. Abstr.) **(Spa)**

ASTHMA, CARDIAC see **DYSPNEA, PAROXYSMAL**

ASTHMA, EXERCISE-INDUCED see under **ASTHMA**

ASTIGMATISM

The astigmatic modulus and its age-dependence. Saunders H. **Ophthalmic Physiol Opt** 1984;4(3):215–22

[Patterns and causes of changes in the curvature of the cornea after surgery on the rectus muscles of the eye] Avetisov SE, et al. **Vestn Oftalmol** 1984 Jul-Aug;(4):24–6 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Posterior chamber implants and post-operative refractive astigmatism. Maltzman BA, et al. **CLAO J** 1983 Jul-Sep; 9(3):229–31

DIAGNOSIS

The surgical astigmatic ruler. Hyde LL. **J Am Intraocul Implant Soc** 1984 Winter;10(1):84–6

Post-cataract astigmatism with and without the use of the Terry keratometer. Perl T, et al. **Ophthalmology** 1984 May; 91(5):489–93

[New procedure for the evaluation of ocular astigmatism] Reiner J. **Fortschr Ophthalmol** 1983;80(5):401–3 (Eng. Abstr.) **(Ger)**

[Vector analysis of crystalline astigmatism] Dashevskii AI. **Oftalmol Zh** 1984;(2):82–3 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Corneal wedge resection in rabbits. Cherry PM, et al. **Ann Ophthalmol** 1984 Jul;16(7):632–6

Astigmatism following cataract surgery. Reading VM. **Br J Ophthalmol** 1984 Feb;68(2):97–104

Ocular anatomy and refraction. Weale RA. **Doc Ophthalmol** 1983 Sep 30;55(4):361–74

Postoperative astigmatism induced by intraocular lens tilt. Jolson AS, et al. **J Am Intraocul Implant Soc** 1984 Spring; 10(2):213–4

Astigmatism in cataract surgery. Troutman RC. **Trans New Orleans Acad Ophthalmol** 1984;:248–52

[Astigmatism and anterior chamber implants] Lemagne JM, et al. **Bull Mem Soc Fr Ophtalmol** 1983;95:52–4 **(Fre)**

[Effect of cataract incision on corneal astigmatism] Fedorova IS, et al. **Vestn Oftalmol** 1983 Jul-Aug;(4):30–2 (Eng. Abstr.) **(Rus)**

[Astigmatism after cataract surgery] Petrunia SP.

Vestn Oftalmol 1984 Jul-Aug;(4):26-7 (Rus)

OCCURRENCE

Prevalences of astigmatism and anisometropia in adult danes. With reference to presbyopes' possible use of supermarket standard glasses. Fledelius HC.
Acta Ophthalmol (Copenh) 1984 Jun;62(3):391-400

High corneal astigmatism in the adult Navajo population. Garber JM, et al. J Am Optom Assoc 1983 Sep;54(9):815-8

PATHOLOGY

[Methods of clinical pachometry] Ivashina AI, et al.
Vestn Oftalmol 1984 Jul-Aug;(4):58-61 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

Cycloplegic refractions of infants and young children: the axis of astigmatism. Dobson V, et al.
Invest Ophthalmol Vis Sci 1984 Jan;25(1):83-7

Astigmatism in children: changes in axis and amount from birth to six years. Gwiazda J, et al.
Invest Ophthalmol Vis Sci 1984 Jan;25(1):88-92

Photorefractive measurements of astigmatism in infants and young children. Howland HC, et al.
Invest Ophthalmol Vis Sci 1984 Jan;25(1):93-102

Photorefraction of normal and astigmatic infants during viewing of patterned stimuli. Dobson V, et al.
Vision Res 1983;23(10):1043-52

Astigmatism of oblique incidence in the human model eye. Wang GJ, et al. Vision Res 1983;23(10):1079-85

PREVENTION & CONTROL

Reducing surgically induced astigmatism by using a scleral tunnel. Girard LJ, et al. Am J Ophthalmol 1984 Apr; 97(4):450-6

Streak retinoscopy during intraocular lens implantation to determine spheric power and prevent astigmatism. Zauberman H, et al. CLAO J 1984 Jan-Mar;10(1):73-6

Control of astigmatism by wound placement. Thrasher BH, et al. J Am Intraocul Implant Soc 1984 Spring;10(2):176-9

Refractive reconstruction for acute eye injuries. Rowsey JJ, et al. Ophthalmic Surg 1984 Jul;15(7):569-74

The value of the Terry keratometer in predicting postoperative astigmatism. Samples JR, et al.
Ophthalmology 1984 Mar;91(3):280-4

The Terry keratometer. Kratz RP, et al.
Trans New Orleans Acad Ophthalmol 1984;:34-7

[Severe astigmatism following transfixing keratoplasty: how to attempt to reduce it] Lecoq PJ. J Fr Ophtalmol 1983; 6(10):785-91 (Eng. Abstr.) (Fre)

[Indications for corrective eyeglasses after cataract extraction] Avetisov SE. Vestn Oftalmol 1984 May-Jun; (3):67-8 (Rus)

[Use of the operating keratoscope for preventing postoperative astigmatism following cataract extraction] Krasnov MM, et al. Vestn Oftalmol 1983 Jul-Aug;(4):26-9 (Eng. Abstr.) (Rus)

SURGERY

Refractive corneal surgery: the correction of astigmatism. Int Ophthalmol Clin 1983 Winter;23(4):1-176

Corneal tuck for postcataract astigmatism. Azar RF.
Int Ophthalmol Clin 1983 Winter;23(4):101-9

Modification of postcataract astigmatism by wound revision. Cravy TV. Int Ophthalmol Clin 1983 Winter;23(4):111-26

Relaxing corneal incisions for postkeratoplasty astigmatism. Krachmer JH, et al. Int Ophthalmol Clin 1983 Winter; 23(4):153-9

Modulation of postkeratoplasty astigmatism by surgical and suturing techniques. Olson RJ. Int Ophthalmol Clin 1983 Winter;23(4):137-51

Collagen shrinkage procedures for keratoconus and corneal astigmatism. Shaw EL. Int Ophthalmol Clin 1983 Winter; 23(4):127-35

Modulation of postcataract astigmatism by suturing techniques. Stainer GA, et al. Int Ophthalmol Clin 1983 Winter;23(4):57-67

Corneal wedge resections and relaxing incisions for postkeratoplasty astigmatism. Troutman RC.
Int Ophthalmol Clin 1983 Winter;23(4):161-8

[Surgical treatment of high astigmatism: wedge resection of the limbus in rabbit's eye] Teranishi C.
Nippon Ganka Gakkai Zasshi 1983;87(11):1022-7 (Eng. Abstr.) (Jpn)

[State of the cornea following orthokeratotomy] Avetisov SE, et al. Vestn Oftalmol 1984 Jan-Feb;(1):25-7 (Eng. Abstr.) (Rus)

[Possibilities of surgical correction of astigmatism by the method of anterior nonperforating keratotomy] Fedorov SN, et al. Vestn Oftalmol 1984 May-Jun;(3):16-8 (Eng. Abstr.) (Rus)

[Long-term results of surgical correction of corneal astigmatism by the anterior graduated keratotomy method in patients with intraocular lenses] Fedorova IS.
Vestn Oftalmol 1983 Sep-Oct;(5):23-7 (Eng. Abstr.) (Rus)

[Simple method of predicting the refractory effect of operations involving corneal incisions] Mamikonian VR, et al. Vestn Oftalmol 1984 May-Jun;(3):19-23 (Eng. Abstr.) (Rus)

THERAPY

Aspheric high positive power lenses and third order theory. Smith G, et al. Am J Optom Physiol Opt 1983 Oct; 60(10):843-5

Influence of the lids on contact lens location and orientation. Waldron HE. Am J Optom Physiol Opt 1984 Feb; 61(2):129-32

Management of astigmatism with toric contact lenses. Maltzman BA. Int Ophthalmol Clin 1983 Winter; 23(4):33-56

Episodic astigmatism heralding generalized myopathy: report of a case managed with a new type of soft contact lens. Frisén L, et al. Ophthalmology 1984 Feb;91(2):179-82

[Hydron soft toric lenses. Prescription and exchanges] Caissial C, et al. Bull Soc Ophtalmol Fr 1983 Aug-Sep; 83(8-9):1039-41 (Eng. Abstr.) (Fre)

[Modeling of the correction process in astigmatism of the human eye] Aliev AG. Oftalmol Zh 1984;(1):37-40 (Rus)

[Use of contact lenses to determine the completeness of eyeglass correction of astigmatism, elimination of amblyopia and selection of persons suitable for contact correction] Morkhat IV, et al. Oftalmol Zh 1983; 38(5):314-5 (Rus)

ASTRAGALUS see TALUS

ASTROCYTES

Culture and cryopreservation of adult human oligodendrocytes and astrocytes. Kim SU, et al.
Acta Neuropathol (Berl) 1984;64(2):172-5

Astrocytic cell clones derived from established cultures of 8-day postnatal mouse cerebella. Alliot F, et al.
Brain Res 1984 Jul 23;306(1-2):283-91

ANALYSIS

Freeze-fracture analysis of plasma membranes of isolated astrocytes from rat brain. Anders JJ, et al. Brain Res 1983 Nov 14;278(1-2):81-91

Dibutyryl cyclic AMP causes intermediate filament accumulation and actin reorganization in astrocytes. Goldman JE, et al. Brain Res 1984 Jul 23;306(1-2):85-95

Molecular identity, distribution and heterogeneity of glial fibrillary acidic protein: an immunoblotting and immunohistochemical study of Schwann cells, satellite cells, enteric glia and astrocytes. Jessen KR, et al.
J Neurocytol 1984 Apr;13(2):187-200

Astrocyte-like glia in the peripheral nervous system: an immunohistochemical study of enteric glia. Jessen KR, et al. J Neurosci 1983 Nov;3(11):2206-18

Combination of immunocytochemistry and radioligand receptor assay to identify beta-adrenergic receptor subtypes on astroglia in vitro. Trimmer PA, et al.
J Neurosci 1984 Jun;4(6):1598-606

Absence of ganglioside GM1 in astroglial cells from 21-day old rat brain: immunohistochemical, histochemical, and biochemical studies. Asou H, et al. Neurochem Res 1983 Aug;8(8):1045-57

Immunofluorescence characterization of astrocytes in monolayer culture using antiserum to glial fibrillary acidic protein. Jou TC, et al. Taiwan I Hsueh Hui Tsa Chih 1983 Nov;82(11):1115-25

[Immunohistochemical study of gliosis in the brain of aged and patients with dementia] Tobo M.
Fukuoka Igaku Zasshi 1984 Feb;75(2):72-88 (Eng. Abstr.) (Jpn)

CYTOLOGY

Cellular composition of primary cultures from cerebral cortex, striatum, hippocampus, brainstem and cerebellum. Hansson E, et al. Brain Res 1984 May 21;300(1):9-18

Embryonic cerebellar astroglia in vitro. Hatten ME.
Brain Res 1984 Apr;315(2):309-13

Culture of purified rat astrocytes in serum-free medium supplemented with mitogen. Kim SU, et al. Brain Res 1983 Sep 5;274(1):79-86

Enrichment of differentiated, stellate astrocytes in cerebellar interneuron cultures as studied by GFAP immunofluorescence and autoradiographic uptake patterns with [3H]D-aspartate and [3H]GABA. Levi G, et al.
Brain Res 1983 Nov;312(2):227-41

Cerebellar astroglial cells in primary culture: expression of different morphological appearances and different ability to take up [3H]D-aspartate and [3H]GABA. Wilkin GP, et al. Brain Res 1983 Nov;312(2):265-77

Numbers of neurons and astroglial cells in the suprachiasmatic nucleus of male and female rats. Güldner FH. Exp Brain Res 1983;50(2-3):373-6

Isolation of protoplasmic astrocytes: a procedure based on controlled trypsin digestion. Chatterjee D, et al.
J Neurochem 1984 May;42(5):1229-34

Growth kinetics, cell shape, and the cytoskeleton of primary astrocyte cultures. Goldman JE, et al. J Neurochem 1984 Jan;42(1):175-84

Astrocyte cell lineage. III. The morphology of differentiating mouse astrocytes in colony culture. Fedoroff S, et al.
J Neurocytol 1984 Feb;13(1):1-20

Monoclonal antibodies to specific astroglial and neuronal antigens reveal the cytoarchitecture of the Bergmann glia fibers in the cerebellum. de Blas AL. J Neurosci 1984 Jan; 4(1):265-73

Morphological and immunocytochemical characterisation of mixed glial cell cultures derived from neonatal canine brain. Zurbriggen A, et al. Res Vet Sci 1984 May;36(3):270-5

DRUG EFFECTS

The absence of differentiation-promoting response of astroglioma cells to glia maturation factor. Kato T, et al.
Brain Res 1984 May 28;301(1):83-93

Differentiation of purified astrocytes in a chemically defined medium. Morrison RS, et al. Brain Res 1983 Sep; 285(3):337-45

Astrocytes in primary culture have chemically activated sodium channels. Bowman CL, et al. J Neurosci 1984 Jun; 4(6):1527-34

Incorporation of 3H-valine into soluble protein of cultivated astroglial cells after morphine treatment. Hansson E, et al.
J Neurosci Res 1983;10(3):279-88

Gliotoxic effects of alpha-aminoadipic acid on monolayer cultures of dissociated postnatal mouse cerebellum. Huck S, et al. Neuroscience 1984 Jul;12(3):783-91

Benzodiazepines and beta-adrenergic binding to primary cultures of astrocytes and neurons. Hertz L, et al.
Prog Neuropsychopharmacol Biol Psychiatry 1983; 7(4-6):681-6

The effects of antidepressant drugs on adenylyl cyclase linked beta adrenergic binding sites on mouse astrocytes in primary cultures. Richardson JS, et al.
Prog Neuropsychopharmacol Biol Psychiatry 1983; 7(4-6):675-80

Lithium-potassium interaction in acutely treated cortical neurons and astrocytes. Walz W, et al.
Prog Neuropsychopharmacol Biol Psychiatry 1983; 7(4-6):697-702

Effects of barbiturates on energy and intermediary metabolism in cultured astrocytes. Yu AC, et al.
Prog Neuropsychopharmacol Biol Psychiatry 1983; 7(4-6):691-6

Proliferation of astroglia and oligodendroglia in response to human T cell-derived factors. Merrill JE, et al. Science 1984 Jun 29;224(4656):1428-30

ENZYMOLOGY

Effects of methionine sulfoximine on the enzymes of glutamate metabolism in isolated astrocytes of rat brain. Subbalakshmi GY, et al. Biochem Pharmacol 1983 Dec 15; 32(24):3695-700

Ornithine-delta-aminotransferase exhibits different kinetic properties in astrocytes, cerebral cortex interneurons, and cerebellar granule cells in primary culture. Drejer J, et al. J Neurochem 1984 Apr;42(4):1194-7

Pyruvate carboxylase activity in primary cultures of astrocytes and neurons. Yu AC, et al. J Neurochem 1983 Nov;41(5):1484-7

Enzyme activities of monoamine oxidase, catechol-O-methyltransferase and gamma-aminobutyric acid transaminase in primary astroglial cultures and adult rat brain from different brain regions. Hansson E.
Neurochem Res 1984 Jan;9(1):45-57

Type A and B monoamine oxidase in glial cells in long-term culture. Yu PH, et al.
Prog Neuropsychopharmacol Biol Psychiatry 1983; 7(4-6):687-90

[Succinate dehydrogenase activity in tissue cultures of embryonic brain treated with leponex] Buravlev VM.
Zh Nevropatol Psikhiatr 1983;83(7):1001-4 (Eng. Abstr.) (Rus)

IMMUNOLOGY

Identification of cell-surface antigens present exclusively on a sub-population of astrocytes in human foetal brain cultures. Dickson JG, et al. J Neuroimmunol 1983 Oct; 5(2):111-23

Dual effect of glia maturation factor on astrocytes. Differentiation and release of interleukin-1 like factors. Fontana A, et al. J Neuroimmunol 1983 Dec;5(3):261-9

Astrocyte-derived interleukin-1-like factors. Fontana A, et al. Lymphokine Res 1984;3(1):11-6

Astrocytes present myelin basic protein to encephalitogenic T-cell lines. Fontana A, et al. Nature 1984 Jan 19-25; 307(5948):273-6

Expression of Ia antigens by cultured astrocytes treated with gamma-interferon. Hirsch MR, et al. Neurosci Lett 1983 Oct 31;41(1-2):199-204

Astrocyte interactions with immune modifiers: a possible role for astrocytes in the immunopathogenesis of multiple sclerosis (MS). Barna BP, et al. Prog Clin Biol Res 1984; 146:153-7

METABOLISM

Specific binding of radiolabelled antidepressants to brain astroglial cells. Whitaker PM, et al.
Adv Biochem Psychopharmacol 1983;37:477-85

Glial fibrillary acidic protein (GFAP) in spinal cord of postnatal rat. An immunoperoxidase study in semithin sections. Bullon MM, et al. Brain Res 1984 May; 316(1):129-33

Accumulation of putative amino acid neurotransmitters, monoamines and D-Ala2-Met-enkephalinamide in primary astroglial cultures from various brain areas, visualized by

autoradiography. Hansson E. **Brain Res** 1983 Dec 19; 289(1-2):189-96

Comparison between fluxes of potassium and of chloride in astrocytes in primary cultures. Walz W, et al. **Brain Res** 1983 Oct 31;277(2):321-8

Tamm-Horsfall protein, a kidney marker is expressed on brain sulfogalactosylceramide-positive astroglial structures. Zalc B, et al. **Brain Res** 1984 Jan 16;291(1):182-7

Laminin is induced in astrocytes of adult brain by injury. Liesi P, et al. **EMBO J** 1984 Mar;3(3):683-6

Proteolytic degradation of vimentin and glial fibrillary acidic protein in rat astrocytes in primary culture. Ciesielski-Treska J, et al. **Eur J Biochem** 1984 Feb 1; 138(3):465-71

Intense furosemide-sensitive potassium accumulation in astrocytes in the presence of pathologically high extracellular potassium levels. Walz W, et al. **J Cereb Blood Flow Metab** 1984 Jun;4(2):301-4

Effect of forskolin on primary cultures of astrocytes and oligodendrocytes. Wu DK, et al. **J Cyclic Nucleotide Protein Phosphor Res** 1983;9(1):59-67

Alterations in the fatty acid composition of rat brain cells (neurons, astrocytes, and oligodendrocytes) and of subcellular fractions (myelin and synaptosomes) induced by a diet devoid of n-3 fatty acids. Bourre JM, et al. **J Neurochem** 1984 Aug;43(2):342-8

Synthesis and turnover of cytoskeletal proteins in cultured astrocytes. Chiu FC, et al. **J Neurochem** 1984 Jan; 42(1):166-74

Alpha-ketoglutarate and malate uptake and metabolism by synaptosomes: further evidence for an astrocyte-to-neuron metabolic shuttle. Shank RP, et al. **J Neurochem** 1984 Apr; 42(4):1153-61

[3H]imipramine labels sites on brain astroglial cells not related to serotonin uptake. Whitaker PM, et al. **J Neurochem** 1983 Nov;41(5):1319-23

Influence of pathological concentrations of ammonia on metabolic fate of 14C-labeled glutamate in astrocytes in primary cultures. Yu AC, et al. **J Neurochem** 1984 Feb; 42(2):594-7

Metabolism of 15NH3 in organotypic cerebellar explants and cultured astrocytes: studies with gas chromatography-mass spectrometry. Yudkoff M, et al. **J Neurochem** 1984 Jan; 42(1):283-6

Sodium transport in astrocytes. Walz W, et al. **J Neurosci Res** 1984;11(3):231-9

Intracellular ion changes of astrocytes in response to extracellular potassium. Walz W, et al. **J Neurosci Res** 1983; 10(4):411-23

Astrocytes in smears of CNS tissues as visualized by GFA and vimentin immunofluorescence. Björklund H, et al. **Med Biol** 1984;62(1):38-48

Neuropeptides modulate the beta-adrenergic response of purified astrocytes in vitro. Rougon G, et al. **Nature** 1983 Oct 20-26;305(5936):715-7

Melatonin inhibits beta-adrenoceptor-stimulated cyclic AMP accumulation in rat astroglial cell cultures. Vacas MI, et al. **Neuroendocrinology** 1984 Mar;38(3):176-81

Failure of plasma membranes of astrocytes in primary culture to insert exogenous ganglioside GM1. Asou H, et al. **Neurosci Lett** 1984 Apr 20;46(1):115-8

Immunohistochemical localization of creatine kinase BB-isoenzyme and tubulin in gerbil brain. Yoshimine T, et al. **Neuroscience** 1984 Jul;12(3):959-69

PATHOLOGY

Orthogonal arrays are redistributed in the membranes of astroglia from alumina-induced epileptic foci. Hatton JD, et al. **Epilepsia** 1984 Apr;25(2):145-51

Differences between adult and neonatal rats in their astroglial response to spinal injury. Barrett CP, et al. **Exp Neurol** 1984 May;84(2):374-85

Abnormal cell relationships in Jimpy mice: electron microscopic and immunocytochemical findings. Omlin FX, et al. **J Neurocytol** 1983 Oct;12(5):767-84

Glial bundles in spinal nerve roots: a form of isomorphic gliosis at the junction of the central and peripheral nervous system. Ghatak NR. **Neuropathol Appl Neurobiol** 1983 Sep-Oct;9(5):391-401

Vascular and astrocytic reactions during establishment of hippocampal transplants in adult host brain. Lawrence JM, et al. **Neuroscience** 1984 Jul;12(3):745-60

[Peculiar patchy astrocytosis of the precentral cortex in amyotrophic lateral sclerosis] Kamo H, et al. **Rinsho Shinkeigaku** 1983 Nov;23(11):974-81 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Astrocytic development in fetal parietal cortex grafted to cerebral and cerebellar cortex of immature rats. Björklund H, et al. **Brain Res** 1983 Aug;285(2):171-80

Astrogliosis limits the integration of peripheral nerve grafts into the spinal cord. Fishman PS, et al. **Brain Res** 1983 Oct 24;277(1):175-80

Astrocytes in primary cultures: membrane potential characteristics reveal exclusive potassium conductance and potassium accumulator properties. Walz W, et al. **Brain Res** 1984 Feb 6;292(2):367-74

Glial cell lineages in the rat optic nerve. Raff MC, et al. **Cold Spring Harbor Symp Quant Biol** 1983;48 Pt 2:569-72

Development of cerebellar astroglia: transitions in form and cytoskeletal content. Bovolenta P, et al. **Dev Biol** 1984 Mar; 102(1):248-59

Effects of cultured astroglia on the survival of neonatal rat retinal ganglion cells in vitro. McCaffery CA, et al. **Dev Biol** 1984 Aug;104(2):441-8

Relation of cholesterol to astrocytic differentiation in C-6 glial cells. Bhat NR, et al. **J Neurochem** 1984 May; 42(5):1457-63

Defects in specific associations between astroglia and neurons occur in microcultures of weaver mouse cerebellar cells. Hatten ME, et al. **J Neurosci** 1984 Apr;4(4):1163-72

Neurotrophic factor for central neurons. Müller HW, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(4):1248-52

Functional interactions between neurons and astrocytes. II. Potassium homeostasis at the cellular level. Walz W, et al. **Prog Neurobiol** 1983;20(1-2):133-83

ULTRASTRUCTURE

Fibrous astrocytes in Alzheimer's disease and senile dementia of Alzheimer's type. Mancardi GL, et al. **Acta Neuropathol (Berl)** 1983;61(1):76-80

Topographical distribution of the astrocytic lamellae in the hypothalamus. Fernandez B, et al. **Anat Anz** 1984; 156(1):31-7

Growth and gliotic response of astrocytes in vitro. Lolait SJ, et al. **Aust J Exp Biol Med Sci** 1983 Aug;61 (Pt 4):439-49

Membrane structure in cultured astrocytes. Landis DM, et al. **Brain Res** 1983 Oct 3;276(1):31-41

Disintegration of orthogonal arrays in perivascular astrocytic processes as an early event in acute global ischemia. Suzuki M, et al. **Brain Res** 1984 May 21;300(1):141-5

Lack of orthogonal particle assemblies and presence of tight junctions in astrocytes of the goldfish (Carassius auratus). A freeze-fracture study. Wolburg H, et al. **Cell Tissue Res** 1983;234(2):389-402

Aspects of interastrocytic gap junctions in blood-brain barrier in the experimental penumbra area, revealed by transmission electron microscopy and freeze-fracture. Cuevas P, et al. **Experientia** 1984 May 15;40(5):471-3

Aggregates of microfilaments in astrocytes and fibroblasts in tissue culture in vitro as revealed with Coomassie brilliant blue R 250. Kałuża J, et al. **Folia Histochem Cytochem (Krakow)** 1983;21(3-4):281-5

Fine structure of astrocytic mitochondria in the hypothalamus of the hamster. Fernandez B, et al. **J Anat** 1983 Oct;137 (Pt 3):483-8

Fine structure of dividing astroglia and oligodendroglia during myelin formation in the developing mouse spinal cord. Meinecke DL, et al. **J Comp Neurol** 1984 Jan 1; 222(1):47-55

Astrocytic membrane morphology: differences between mammalian and amphibian astrocytes after axotomy. Wujek JR, et al. **J Comp Neurol** 1984 Feb 1;222(4):607-19

On the association between perinodal astrocytic processes and the node of Ranvier in the C.N.S. Raine CS. **J Neurocytol** 1984 Feb;13(1):21-7

Fibrous and protoplasmic astrocytes are biochemically and developmentally distinct. Miller RH, et al. **J Neurosci** 1984 Feb;4(2):585-92

'Shaking pups': a disorder of central myelination in the spaniel dog. IV. Freeze-fracture electron microscopic studies of axons, oligodendrocytes and astrocytes in the spinal cord white matter. Bray GM, et al. **Neuropathol Appl Neurobiol** 1983 Sep-Oct;9(5):369-78

Thioacetamide-induced hepatic encephalopathy in the rat. II. Cytochemical and ultrastructural studies on astrocytes cultured in vitro. Kraśnicka Z, et al. **Neuropatol Pol** 1983; 21(4):495-510

[Astrocytic response in alcoholic cirrhotic encephalopathy (immunohistochemical study)] Fuentes C, et al. **Z Mikrosk Anat Forsch** 1984;98(1):1-10 (Eng. Abstr.) **(Fre)**

ASTROCYTOMA

ANALYSIS

Subependymal giant cell astrocytoma. Significance and possible cytogenetic implications of an immunohistochemical study. Bonnin JM, et al. **Acta Neuropathol (Berl)** 1984;62(3):185-93

Expression of muscarinic binding sites in primary human brain tumors. Gurwitz D, et al. **Brain Res** 1984 May; 316(1):61-70

Expression of glial fibrillary acidic protein, actin, fibronectin and factor VIII antigen in human astrocytomas. Lolait SJ, et al. **Pathology** 1983 Oct;15(4):373-8

[Concentration of glucose in the tissues of glial tumors of the brain in rats with artificial hyperglycemia of short duration] Loginov VM, et al. **Zh Vopr Neirokhir** 1984 Jan-Feb;(1):24-7 (Eng. Abstr.) **(Rus)**

BLOOD

Hypothalamic astrocytoma [letter] Kemmann E. **Arch Neurol** 1984 Jun;41(6):586

BLOOD SUPPLY

The vasculature of experimental brain tumours. Part 4. The quantification of vascular permeability. Deane BR, et al. **J Neurol Sci** 1984 Jul;65(1):59-68

The vasculature of experimental brain tumours. Part 3. Permeability studies. Deane BR, et al. **J Neurol Sci** 1984 Jul;65(1):47-58

COMPLICATIONS

Unilateral and asymmetric optic disk swelling with intracranial abnormalities. Sedwick LA, et al. **Am J Ophthalmol** 1983 Oct;96(4):484-7

Temporal lobe astrocytoma with infantile spasms [letter] Mimaki T, et al. **Ann Neurol** 1983 Dec;14(6):695-6

Hypothalamic astrocytoma, hypothermia, and pancreatitis [letter] Camfield PR. **Arch Neurol** 1984 Oct;41(10):1022-3

Intracranial tumour in an infant presenting as iron deficiency anaemia. Jooma R, et al. **Br Med J [Clin Res]** 1984 Mar 24;288(6421):898

Multiple sclerosis and cerebral tumor. Vieregge P, et al. **Clin Neuropathol** 1984 Jan-Feb;3(1):10-21

Shoulder-hand syndrome in patients with intracranial neoplasms. Walker J, et al. **Hand** 1983 Oct;15(3):347-51

In memory of Kevin. Earles LC 3d. **J Natl Med Assoc** 1984 Mar;76(3):229-31

Hemi-dystonia secondary to localised basal ganglia tumour. Narbona J, et al. **J Neurol Neurosurg Psychiatry** 1984 Jul; 47(7):704-9

An astrocytoma. Arthur L. **Lancet** 1984 Apr 7;1(8380):786-7

Hypothalamic polar spongioblastoma associated with the diencephalic syndrome. Ultrastructural demonstration of a neuro-endocrine organization. de Chadarévian JP, et al. **Virchows Arch [A]** 1984;402(4):465-74

[Parkinson syndrome, frontal tumor and L-dopa] Lhermitte F, et al. **Rev Neurol (Paris)** 1984;140(2):138-9 (Eng. Abstr.) **(Fre)**

[Diencephalic syndrome--report of three cases] Nishimoto A, et al. **No Shinkei Geka** 1984 Feb;12(2):211-9 (Eng. Abstr.) **(Jpn)**

[Spontaneous hemorrhage in brain tumors] Bromowicz J. **Neurol Neurochir Pol** 1983 Jul-Aug;17(4):471-5 (Eng. Abstr.) **(Pol)**

[Brain glioma complicated by subdural hematoma] Majchrzak H, et al. **Neurol Neurochir Pol** 1984 Jan-Feb;18(1):79-82 (Eng. Abstr.) **(Pol)**

[Ultrastructural manifestations of brain edema--swelling in neurooncologic patients] Semchenko VV, et al. **Zh Vopr Neirokhir** 1984 Jan-Feb;(1):16-20 (Eng. Abstr.) **(Rus)**

CONGENITAL

Congenital brain tumors. Wakai S, et al. **Surg Neurol** 1984 Jun;21(6):597-609 (167 ref.)

[Diagnostic problems in neoplasms of the cervical spinal cord in infants] Michałowicz R, et al. **Pediatr Pol** 1983 Jul; 58(7):649-54 **(Pol)**

DIAGNOSIS

Intramedullary spinal cord tumors in children: localization by intraoperative sonography. Raghavendra BN, et al. **AJNR** 1984 Jul-Aug;5(4):395-7

Immunohistochemical demonstration of neuron-specific enolase in neoplasms of the CNS and other tissues. Vinores SA, et al. **Arch Pathol Lab Med** 1984 Jul;108(7):536-40

Head tilt: a revisit to an old sign of posterior fossa tumors. Taboas-Pérez RA, et al. **Bol Asoc Med PR** 1984 Feb; 76(2):62-5

Isolated trochlear nerve palsy secondary to a juvenile pilocytic astrocytoma. Krohel GB, et al. **J Clin Neuro Ophthalmol** 1982 Jun;2(2):119-23

Discrepancies in brain tumor extent as shown by computed tomography and positron emission tomography using [68Ga]EDTA, [11C]glucose, and [11C]methionine. Bergström M, et al. **J Comput Assist Tomogr** 1983 Dec; 7(6):1062-6

Adult Arnold-Chiari malformation and intrinsic brain stem neoplasm: a difficult differential diagnosis. Phillips TW, et al. **Neurosurgery** 1983 Oct;13(4):345-50

Acquired nystagmus in early childhood: a presenting sign of intracranial tumor. Lavery MA, et al. **Ophthalmology** 1984 May;91(5):425-53

Intraoperative sonographic delineation of low-grade brain neoplasms defined poorly by computed tomography. Knake JE, et al. **Radiology** 1984 Jun;151(3):735-9

[Peculiar forms of benign tumors of the brain stem] Kunicki A. **Neurol Neurochir Pol** 1984 Jan-Feb;18(1):29-36 (Eng. Abstr.) **(Pol)**

[Case of coexistence of meningiomas and malignant astrocytoma] Zbrojkiewicz JS, et al. **Neurol Neurochir Pol** 1983 Nov-Dec;17(6):655-7 (Eng. Abstr.) **(Pol)**

[Intravascular coagulation syndrome and urinary excretion of Bence Jones protein in a brain stem tumor] Grabiński M, et al. **Pol Arch Med Wewn** 1983 Nov-Dec;70(5-6):291-5 (Eng. Abstr.) **(Pol)**

[A rare case of primary brain tumor with double neoplastic structure] Wojczuk J, et al. **Wiad Lek** 1984 Jan 1; 37(1):68-72 (Eng. Abstr.) **(Pol)**

[Stroke-like course of brain tumors] Gurova EP, et al. **Zh Nevropatol Psikhiatr** 1984;84(5):650-4 (Eng. Abstr.) **(Rus)**

[Case report of a female patient with astrocytoma of the brain stem] Nikolić M, et al. **Srp Arh Celok Lek** 1983 Mar; 111(3):355-61 **(Scc)**

DRUG THERAPY

Treatment of malignant brain tumours with ACNU and phenobarbital: continuous infusion of ACNU into internal carotid artery and systemic administration of phenobarbital. Yumitori K, et al. **Acta Neurochir (Wien)** 1984; 70(3–4):155–68

The failure of human leukocyte interferon to influence the growth of human glioma cell populations: in vitro and in vivo studies. Bradley NJ, et al. **Br J Cancer** 1983 Dec; 48(6):819–25

Carmustine and Baker's antifol combination chemotherapy for primary brain tumors progressive after irradiation and chemotherapy. Eagan RT, et al. **Cancer Treat Rep** 1984 Feb;68(2):431–3

Survival and cell cycle kinetics responses of Chinese hamster ovary cells, and clones of human adenocarcinoma of the stomach and astrocytoma to diaziquone (AZQ) in vitro. Barranco SC, et al. **Invest New Drugs** 1983;1(1):11–9

Immunobiology of primary intracranial tumors: IX. Phase I study of human lymphoblastoid interferon. Mahaley MS Jr, et al. **J Biol Response Mod** 1984;3(1):19–25

Evaluation of prognostic factors in chemotherapy of recurrent brain tumors. Eagan RT, et al. **J Clin Oncol** 1983 Jan;1(1):38–44

Treatment of recurrent brain tumors with intra-arterial cis-platinum and BCNU. Kapp JP, et al. **J Miss State Med Assoc** 1984 Jan;25(1):1–6

A phase II trial of 2,5,–diaziridinyl 3,6–bis (carboethoxy amino) 1,4–benzoquinone (AZQ, NSC 182986) in recurrent primary brain tumors. Feun LG, et al. **J Neurooncol** 1984; 2(1):13–7

Variable response to 1,3–bis(2–chloroethyl)–1–nitrosourea of human glioma cells sorted according to DNA content. Kobayashi S, et al. **J Neurooncol** 1984;2(1):5–11

Treatment of malignant gliomas in adults with BCNU plus metronidazole. Stewart DJ, et al. **J Neurooncol** 1984; 2(1):53–8

Cisplatin plus cytosine arabinoside in adults with malignant gliomas. Stewart DJ, et al. **J Neurooncol** 1984;2(1):29–34

Phase II study of cisplatin in recurrent astrocytomas in adults: a Southwest Oncology Group Study. Stewart DJ, et al. **J Neurooncol** 1983;1(2):145–7

BCNU solubility and toxicity in the treatment of malignant astrocytomas. Layton PB, et al. **J Neurosurg** 1984 Jun; 60(6):1134–7

BCNU treatment of astrocytomas: erratum [letter] Layton PB. **J Neurosurg** 1984 Sep;61(3):621

Mathematical model for hormonal therapy (vasopressin, corticoids) in cerebral collapse and malignant tumors of the brain (36 cases). Bernard–Weil E, et al. **Neurol Res** 1983;5(1):19–35

Procarbazine, CCNU and vincristine (PCV) combination chemotherapy for brain tumors. Brufman G, et al. **Oncology** 1984;41(4):239–41

Lonidamine in primary malignant brain tumors. Preliminary report. Carapella CM, et al. **Oncology** 1984;41 Suppl 1:82–5

ENZYMOLOGY

The absence of differentiation–promoting response of astroglioma cells to glia maturation factor. Kato T, et al. **Brain Res** 1984 May 28;301(1):83–93

Na+/K+ ATPase and cell growth IV: a metabolic marker of human brain tumors? Verna R, et al. **J Neurosurg Sci** 1983 Apr–Jun;27(2):77–82

ETIOLOGY

Multiple malignant astrocytomas in a patient with spontaneous progressive multifocal leukoencephalopathy. Sima AA, et al. **Ann Neurol** 1983 Aug;14(2):183–8

[Malignant glioma in tuberous sclerosis] Majchrzak H, et al. **Pol Tyg Lek** 1983 Mar 28;38(13):415–7 (Eng. Abstr.) **(Pol)**

FAMILIAL & GENETIC

Chromosome studies in two human brain tumors. Rey JA, et al. **Cancer Genet Cytogenet** 1983 Oct;10(2):159–65

Connatal brain tumors in patients with tuberous sclerosis. Painter MJ, et al. **Neurosurgery** 1984 May;14(5):570–3

IMMUNOLOGY

Depressed T lymphocyte function in brain tumor patients: monocytes as suppressor cells. Wood GW, et al. **J Neurooncol** 1983;1(2):87–94

Microcytotoxicity blocking assay for the detection and isolation of soluble astrocytoma association antigen. Potter VP, et al. **J Surg Oncol** 1984 Jul;26(3):188–93

Regulation of natural killer cell function by glass–adherent cells in patients with primary intracranial malignancies. Braun DP, et al. **Neurosurgery** 1984 Jul;15(1):29–33

METABOLISM

Regulation of beta–adrenergic receptors during exposure of astrocytoma cells to catecholamines. Perkins JP, et al. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1984; 17:37–46 (28 ref.)

Issues in the in vivo measurement of glucose metabolism of human central nervous system tumors. Di Chiro G, et al. **Ann Neurol** 1984;15 Suppl:S138–46

Contralateral cerebellar hypometabolism following cerebral insult: a positron emission tomographic study. Kushner M, et al. **Ann Neurol** 1984 May;15(5):425–34

Isoproterenol stimulates lipid methylation in C6 cells without affecting membrane fluidity. McKenzie RC, et al. **FEBS Lett** 1983 Dec 12;164(2):244–6

The membrane external proteins of human astrocytomas in culture. Sherbet GV, et al. **Invasion Metastasis** 1983; 3(2):98–108

Agonist–induced changes in beta–adrenergic receptors on intact cells. Toews ML, et al. **J Biol Chem** 1984 Feb 25; 259(4):2227–35

Endothelial growth factor production in cultures of human glioma cells. Hirschberg H. **Neuropathol Appl Neurobiol** 1984 Jan–Feb;10(1):33–42

MORTALITY

[Significance of DNA quantification in prospect of the survival of malignant brain tumors by multivariate analysis] Suzuki K. **Neurol Med Chir (Tokyo)** 1984 Feb;24(2):73–82 (Eng. Abstr.) **(Jpn)**

[Brain tumors in infants and children—factors affecting prognosis. (2) Location and prognosis of astrocytoma] Oi S, et al. **No Shinkei Geka** 1983 Oct;11(10):1049–57 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Automated image analysis of gliomas an objective and reproducible method for tumor grading. Martin H, et al. **Acta Neuropathol (Berl)** 1984;63(2):160–9

Astrocytic tumors of the retina. Differentiation of sporadic tumors from phakomatosis–associated tumors. Ulbright TM, et al. **Arch Pathol Lab Med** 1984 Feb;108(2):160–3

Pleomorphic xanthoastrocytoma: report of 5 cases. Heyerdahl Strøm E, et al. **Clin Neuropathol** 1983; 2(4):188–91

Automated image analysis, histologic malignancy grading, and survival in patients with astrocytic gliomas. Prognostic significance of nuclear count and nuclear area fraction. Klinken LH, et al. **Clin Neuropathol** 1984 May–Jun; 3(3):107–12

Malignant astrocytoma in an immature (malignant) ovarian teratoma. Elesha SO. **East Afr Med J** 1983 Jul;60(7):501–5

In vitro cellular characteristics and survival responses of human astrocytoma clones to chloroethyl–nitrosoureas and dianhydrogalactitol. Rubin NH, et al. **Invest New Drugs** 1983;1(2):129–37

Intracranial angiogliomas. Shuangshoti S, et al. **J Med Assoc Thai** 1983 Dec;66(12):799–811

Extensive advanced maturation of medulloblastoma to astrocytoma and ependymoma. Feigin I, et al. **J Neurooncol** 1983;1(2):95–108

A child with 18q– syndrome and cerebellar astrocytoma. Faulkner KW, et al. **J Pediatr** 1983 Oct;103(4):600–2

Hydrocephalus and hypothalamic dysfunction in a young woman. Harper CG, et al. **Med J Aust** 1983 Oct 15; 2(8):394–8

Vitreous seeding by retinal astrocytic hamartoma in a patient with tuberous sclerosis. de Juan E Jr, et al. **Retina** 1984 Spring–Summer;4(2):100–2

[Neoplasms of the brain stem: clinico–pathologic correlations] Giordano R, et al. **Riv Neurol** 1984 May–Jun; 54(3):179–91 (Eng. Abstr.) **(Ita)**

[Intramedullary holocord tumor. Report of an autopsy case and review of literature] Nikaido Y, et al. **No Shinkei Geka** 1984 Mar;12(4):523–8 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Cell lines (VMDk) derived from a spontaneous murine astrocytoma. Morphological and immunocytochemical characterization. Pilkington GJ, et al. **J Neurol Sci** 1983 Dec;62(1–3):115–39

Local cerebral blood flow and partition coefficients measured in cerebral astrocytomas of different grades of malignancy. Tachibana H, et al. **Surg Neurol** 1984 Feb;21(2):125–31

RADIOGRAPHY

Intraventricular brain tumors associated with tuberous sclerosis: clinical and radiographic characteristics. Khangure MS. **Australas Radiol** 1983 Jul;27(2):115–8

Transient neurologic disturbances, brain tumors, and normal computed tomography scans. Walker R, et al. **Cancer** 1983 Oct 15;52(8):1502–6

An unusual case of fluid–fluid layering in cystic astrocytoma. Gomori JM, et al. **Comput Radiol** 1984 May–Jun; 8(3):147–50

Computer tomographic evaluation of cervical astrocytoma. Nahser HC, et al. **Eur Neurol** 1983;22(6):447–50

Simultaneous meningioma and glioma. Difficulties of neuroradiological diagnosis. Report of a case. Arnetoli G, et al. **Ital J Neurol Sci** 1983 Dec;4(4):481–3

Cerebral neoplasms initially presenting with massive intracerebral hemorrhage. Bitoh S, et al. **Surg Neurol** 1984 Jul;22(1):57–62

[Anatomo–radiological correlations in astrocytic cerebral tumors] Nguyen JP, et al. **Neurochirurgie** 1984;30(1):11–5 (Eng. Abstr.) **(Fre)**

[A pontine tumor appearing as a sellar process over a long period and its contribution to the differential diagnosis of the empty sella syndrome] Fried H. **Zentralbl Neurochir** 1983;44(4):291–4 (Eng. Abstr.) **(Ger)**

[Correlation of the histological structure of gliomas with densitometry findings during computer tomography] Melikian AG, et al. **Zh Vopr Neirokhir** 1984 Mar–Apr; (2):3–9 (Eng. Abstr.) **(Rus)**

RADIOTHERAPY

Treatment of grade III and IV astrocytoma with high–dose irradiation: schedule and chemotherapy. Trovó MG, et al. **Am J Clin Oncol** 1984 Jun;7(3):265–8

Superfractionation radiation therapy in the treatment of malignant astrocytoma. Shin KH, et al. **Cancer** 1983 Dec 1;52(11):2040–3

Aphasia after successful radiation treatment: a report of two cases. Burns MS, et al. **J Speech Hear Disord** 1984 Feb; 49(1):107–11

SECONDARY

Percutaneous biopsy of a metastatic spinal nerve root nodule in a child. Stanley P, et al. **AJNR** 1984 Jul–Aug;5(4):427–8

Brainstem glioma: clinical manifestations of meningeal gliomatosis. Packer RJ, et al. **Ann Neurol** 1983 Aug; 14(2):177–82

Some remarks on the mode of spread of primary benign brain–stem tumours based on description of three cases. Kunicki A. **Zentralbl Neurochir** 1983;44(3):187–92

SURGERY

Low grade astrocytoma in children treated by surgery and radiation therapy. Dewit L, et al. **Acta Radiol [Oncol]** 1984; 23(1):1–8

Acute sinus arrhythmia during surgery in the fourth ventricle: an indicator of brain–stem irritation. Drummond JC, et al. **Anesthesiology** 1984 Mar;60(3):232–5

Venous air embolism in a child undergoing posterior fossa craniotomy: a case report. Porter SS, et al. **Can Anaesth Soc J** 1984 Jan;31(1):86–90

Neurosurgical management of low–grade astrocytoma of the cerebral hemispheres. Laws ER Jr, et al. **J Neurosurg** 1984 Oct;61(4):665–73

Spontaneous ('erosive') cerebrospinal rhinorrhea, with pneumococcal meningitis from anterior optic glioma. Case report. Iraci G, et al. **J Neurosurg Sci** 1984 Jan–Mar; 28(1):3–8

Removal of intraponto–mesencephalic spongioblastoma. Entzian W. **Neurosurg Rev** 1983;6(2):67–70

Low grade glioma presenting as subarachnoid hemorrhage. Memon MY, et al. **Neurosurgery** 1984 May;14(5):574–7

[Astrocytoma of the cerebellum in children. Apropos of 57 cases] Lapras C, et al. **Neurochirurgie** 1983;29(4):241–6 (Eng. Abstr.) **(Fre)**

[Tension pneumocephalus. A frequently misconstrued complication following neurosurgical operations] Scherer R, et al. **Neurochirurgia (Stuttg)** 1984 May;27(3):59–61 (Eng. Abstr.) **(Ger)**

[Experimental study in a rat brain tumor by combined treatment with cis–DDP and irradiation] Kaneko S, et al. **Neurol Med Chir (Tokyo)** 1983 Dec;23(12):917–23 (Eng. Abstr.) **(Jpn)**

[3 cases of successful removal of gliomas of the optic thalamus] Konovalov AN, et al. **Zh Vopr Neirokhir** 1983 Sep–Oct;(5):58–62 **(Rus)**

THERAPY

Chiasmatic gliomas of childhood. A reappraisal of natural history and effectiveness of cranial irradiation. Packer RJ, et al. **Childs Brain** 1983;10(6):393–403

Staphylococcal protein A immunoadsorptive column induces mitogenicity in perfused plasma. Bertram JH, et al. **J Biol Response Mod** 1984;3(3):235–40

Interstitial microwave hyperthermia for brain tumors. Results of a phase–1 clinical trial. Salcman M, et al. **J Neurooncol** 1983;1(3):225–36

[Intramedullary astrocytoma and ependymoma in the adult. Do therapeutic tactics influence the long–term results? Evaluation of 23 surgically treated cases and discussion of the literature] Roux FX, et al. **Neurochirurgie** 1984; 30(2):99–105 (Eng. Abstr.) **(Fre)**

ULTRASTRUCTURE

Assemblies of intramembranous particles in astrocytoma: a preliminary report. Cuevas P, et al. **Acta Anat (Basel)** 1984; 118(2):107–9

Pleomorphic xanthoastrocytoma. Ultrastructural and immunohistochemical study of a case with a rapidly fatal outcome following surgery. Weldon–Linne CM, et al. **Cancer** 1983 Dec 1;52(11):2055–63 (23 ref.)

Aggregates of microfilaments in astrocytes and fibroblasts in tissue culture in vitro as revealed with Coomassie brilliant blue R 250. Kałuża J, et al. **Folia Histochem Cytochem (Krakow)** 1983;21(3–4):281–5

Giant cell astrocytoma of the retina. A tumor of possible Mueller cell origin. Jakobiec FA, et al. **Ophthalmology** 1983 Dec;90(12):1565–76

Identification of glial filament protein and vimentin in the same intermediate filament system in human glioma cells. Wang E, et al. **Proc Natl Acad Sci USA** 1984 Apr; 81(7):2102–6

VETERINARY

A case of astrocytoma in an aged rat. Aiuchi M, et al.

Nippon Juigaku Zasshi 1984 Apr;46(2):233–7

ASTROLOGY

Astrological counseling in contemporary India. Pugh JF. Cult Med Psychiatry 1983 Sep;7(3):279–99

ASTRONOMY

Menses and moon phases, ovulation and seasons, vitality and month of birth. Jongbloet PH. Dev Med Child Neurol 1983 Aug;25(4):527–31

Life-related aspects of stellar evolution. Papagiannis MD. Orig Life 1984;14(1–4):43–50

ASTROVIRUSES see under **VERTEBRATE VIRUSES, UNCLASSIFIED**

ASYMMETRIC SEPTAL HYPERTROPHY see **IDIOPATHIC HYPERTROPHIC SUBVALVULAR STENOSIS**

ASYSTOLE see under **ARRHYTHMIA**

ATARACTICS see **TRANQUILIZING AGENTS**

ATAXIA

CHEMICALLY INDUCED

Unrecognized chronic lithium neurotoxic reactions. Lewis DA. JAMA 1983 Oct 21;250(15):2029–30

More on neuropathy from pyridoxine abuse [letter] Berger A, et al. N Engl J Med 1984 Oct 11;311(15):986–7

Acute delayed neurotoxicity in hens dosed with tri-ortho-cresyl phosphate (TOCP): correlation between clinical ataxia and neuropathological findings. Prentice DE, et al. Neurotoxicology (Park Forest Il) 1983 Summer; 4(2):271–6

Comparative studies on the neurotoxicity of organophosphorus compounds in different animal species. Soliman SA. Neurotoxicology (Park Forest Il) 1983 Winter; 4(4):107–15

DIAGNOSIS

A progressive syndrome of autism, dementia, ataxia, and loss of purposeful hand use in girls: Rett's syndrome: report of 35 cases. Hagberg B, et al. Ann Neurol 1983 Oct; 14(4):471–9

Ataxic hemiparesis from small capsular hemorrhage. Computed tomography and somatosensory evoked potentials. Mori E, et al. Arch Neurol 1984 Oct; 41(10):1050–3

An unusual case of Miller Fisher syndrome. Kundaje GN, et al. J Assoc Physicians India 1983 Jun;31(6):383

Miller Fisher syndrome: clinical and electrophysiologic evidence of peripheral origin in 10 cases. Sauron B, et al. Neurology (NY) 1984 Jul;34(7):953–6

[Fisher's syndrome] Gajkowski K, et al. Neurol Neurochir Pol 1984 Jan-Feb;18(1):57–9 (Eng. Abstr.) (Pol)

DRUG THERAPY

Improvement of ataxic hemiparesis with trihexyphenidyl. Jabbari B, et al. Neurology (NY) 1983 Dec;33(12):1627–8

ETIOLOGY

Ataxic hemiparesis from lesions of the corona radiata [letter] Biller J, et al. Arch Neurol 1984 Feb;41(2):136–7

Giant cell arteritis of the posterior cerebral circulation presenting with ataxia and ophthalmoplegia. Monteiro ML, et al. Arch Ophthalmol 1984 Mar;102(3):407–9

Mechanisms of postural ataxia after intake of alcohol. Diener HC, et al. Z Rechtsmed 1983;90(3):159–65

[Bilateral parietal syndrome approximating a Balint syndrome] Guard O, et al. Rev Neurol (Paris) 1984; 140(5):358–67 (Eng. Abstr.) (Fre)

[Bilateral internuclear ophthalmoplegia, ataxia and dystonia caused by posttraumatic pedunculoprotuberantial hematoma] Rousseaux M, et al. Rev Otoneuroophtalmol 1984 Jan-Feb;56(1):57–62 (Eng. Abstr.) (Fre)

[Systemic lupus erythematosus. Brown-Sequard syndrome, spinal ataxia and peripheral polyneuropathy as the sole manifestations] Trautmann F, et al. Dtsch Med Wochenschr 1984 Jun 29;109(26):1028–32 (Eng. Abstr.) (Ger)

[Deafness and ataxia due to meningitis in children] Akai S, et al. No To Hattatsu 1984 Jan;16(1):21–6 (Eng. Abstr.) (Jpn)

[Ataxic hemiparesis. Presentation of 3 cases] Pondal M, et al. Rev Clin Esp 1983 May 31;169(4):277–8 (Spa)

FAMILIAL & GENETIC

Familial intermittent ataxia with possible X-linked recessive inheritance. Two patients with abnormal pyruvate metabolism and a response to acetazolamide. Livingstone IR, et al. J Neurol Sci 1984 Apr;64(1):89–97

[Recessive autosomal spastic ataxia] Giroud M, et al. Arch Fr Pediatr 1983 Jun-Jul;40(6):483–5 (Eng. Abstr.) (Fre)

METABOLISM

Distribution and characterization of the glutamate receptors in the CNS of ataxic mutant mouse. Yamaguchi T, et al. Neurochem Res 1984 Apr;9(4):497–505

Distribution and characterization of the TRH receptors in the CNS of ataxic mutant mouse. Yamaguchi T, et al. Neurochem Res 1984 Apr;9(4):477–84

Distribution and characterization of the GABA receptors in the CNS of ataxic mutant mouse. Yamaguchi T, et al. Neurochem Res 1984 Apr;9(4):485–95

PATHOLOGY

Large-fiber sensory neuronopathy in autosomal dominant spinocerebellar degeneration. Bennett RH, et al. Arch Neurol 1984 Feb;41(2):175–8

PHYSIOPATHOLOGY

Ataxia. Adv Otorhinolaryngol 1983;30:285–318

Machado-Joseph-Azorean disease. A ten-year study. Fowler HL. Arch Neurol 1984 Sep;41(9):921–5

Pontine ataxic hemiparesis [letter] Van Buggenhout E, et al. Arch Neurol 1984 Jan;41(1):16

Paroxysmal limb hemiataxia with crossed facial paresthesias in multiple sclerosis. Skillrud DM, et al. JAMA 1983 Nov 25;250(20):2843–4

[Bilateral crossed visuomotor ataxia—a case report] Ohigashi Y, et al. No To Shinkei 1983 Dec;35(12):1217–22 (Eng. Abstr.) (Jpn)

[Optic ataxia—semiological observation and review of the literature] Hirayama K, et al. Rinsho Shinkeigaku 1983 Jul; 23(7):605–12 (Jpn)

PREVENTION & CONTROL

Betaine delays the onset of neurological impairment in nitrous oxide-induced vitamin B-12 deficiency in fruit bats. van der Westhuyzen J, et al. J Nutr 1984 Jun;114(6):1106–11

RADIOGRAPHY

Painful ataxic hemiparesis. Bogousslavsky J, et al. Arch Neurol 1984 Aug;41(8):892–3

RADIONUCLIDE IMAGING

[A study on the functional lesions in 'ataxie optique de Garcin' by positron emission tomography (PET)] Kawamura M, et al. Rinsho Shinkeigaku 1984 Jan; 24(1):45–9 (Eng. Abstr.) (Jpn)

VETERINARY

Lymphosarcoma as the cause of ataxia in a horse. Shamis LD, et al. J Am Vet Med Assoc 1984 Jun 15;184(12):1517–8

Osteochondrotic changes in the vertebrae of four ataxic horses suffering from cervical vertebral malformation. Alitalo I, et al. Nord Vet Med 1983 Dec;35(12):468–74

Suspected male fern poisoning in cattle [letter] Mitchell GB, et al. Vet Rec 1983 Aug 20;113(8):188

Neurological syndrome in the ferret (Mustela putorius furo). Niemi SM, et al. Vet Rec 1984 May 5;114(18):455–6

ATAXIA, CEREBELLAR see **CEREBELLAR ATAXIA**

ATAXIA TELANGIECTASIA

BLOOD

Responses of Huntington's disease and ataxia telangiectasia lymphoblastoid cells to bleomycin. Imray FP, et al. Chem Biol Interact 1983 Dec;47(3):325–36

COMPLICATIONS

Ataxia-telangiectasia with dysgerminoma of right ovary, papillary carcinoma of thyroid, and adenocarcinoma of pancreas. Narita T, et al. Cancer 1984 Sep 15;54(6):1113–6

Common and uncommon cutaneous findings in patients with ataxia-telangiectasia. Cohen LE, et al. J Am Acad Dermatol 1984 Mar;10(3):431–8

[Lymphoblastic leukemia in a boy with ataxia telangiectasia] Armata J, et al. Pediatr Pol 1983 Jun;58(6):555–6 (Pol)

[Ocular changes in Louis-Bar syndrome (ataxia telangiectasia) in children] Ignatowicz R, et al. Przegl Lek 1984;41(5):405–8 (Pol)

DIAGNOSIS

[Louis-Bar syndrome in an 8-year-old child] Antimoniĭ RG, et al. Vestn Rentgenol Radiol 1983 Jul-Aug;(4):81–2 (Rus)

DRUG THERAPY

Ataxia-telangiectasia [letter] Skoglund RR. Arch Neurol 1984 Feb;41(2):137

FAMILIAL & GENETIC

Chemical clastogenicity in lymphoid cell lines of chromosomal instability syndromes. Cohen MM, et al. Cancer Genet Cytogenet 1983 Nov;10(3):267–76

Effect of caffeine in G2 on X-ray-induced chromosomal aberrations and mitotic inhibition in ataxia telangiectasia fibroblast and lymphoblastoid cells. Hansson K, et al. Hum Genet 1984;67(3):329–35

DNA-mediated gene transfer into human diploid fibroblasts derived from normal and ataxia-telangiectasia donors: parameters for DNA transfer and properties of DNA transformants. Debenham PG, et al. Int J Radiat Biol 1984 May;45(5):525–36

Deficient repair of potentially lethal damage in actively growing ataxia telangiectasia cells. Utsumi H, et al. Radiat Res 1984 Feb;97(2):407–13

Ataxia-telangiectasia. A case and review of the literature. Ramazanoglu YM. Schweiz Rundsch Med Prax 1984 Jan 31;73(5):133–8 (78 ref.)

[Chromosome instability syndromes] Germain D, et al. Sem Hop Paris 1983 Dec 1;59(44):3065–79 (173 ref.) (Eng. Abstr.) (Fre)

[Analysis of various clinical and immunologic signs of ataxia-telangiectasia observed in all of the members of a family] Del Bufalo C, et al. Riv Neurobiol 1982 Jul-Dec; 28(3–4):431–8 (Eng. Abstr.) (Ita)

IMMUNOLOGY

Epstein-Barr serology in immunodeficiencies: an attempt to correlate with immune abnormalities in Wiskott-Aldrich and Chediak-Higashi syndromes and ataxia telangiectasia. Vilmer E, et al. Clin Exp Immunol 1984 Feb;55(2):249–56

Antibody responses in vivo in chromosome instability syndromes with immunodeficiency. Weemaes CM, et al. Clin Exp Immunol 1984 Sep;57(3):529–34

Defective interferon-gamma production in ataxia-telangiectasia. Paganelli R, et al. Clin Immunol Immunopathol 1984 Sep;32(3):387–91

Serum IgE levels in patients with ataxia telangiectasia. Ozkaragöz F, et al. Turk J Pediatr 1983 Apr-Jun; 25(2):125–8

METABOLISM

Regulation of the cellular actin levels in response to changes in the cell density in ataxia telangiectasia lymphoblastoid cells. McKinnon PJ, et al. Biochem Biophys Res Commun 1984 Mar 15;119(2):561–6

Effect of ionizing radiation on synthesis of sub-replicon size DNA in ataxia telangiectasia cells. Houldsworth J, et al. Biochem Int 1983 Mar;6(3):349–56

Abnormal response of ataxia-telangiectasia cells to agents that break the deoxyribose moiety of DNA via a targeted free radical mechanism. Shiloh Y, et al. Carcinogenesis 1983 Oct;4(10):1317–22

Effect of X-radiation on DNA and histone synthesis in ataxia telangiectasia and normal lymphoblastoid cells. Kraemer KH, et al. Mutat Res 1983 Dec;112(6):359–67

Neurochemical abnormalities in a patient with ataxia-telangiectasia. Perry TL, et al. Neurology (NY) 1984 Feb;34(2):187–91

OCCURRENCE

[Ataxia-telangiectasia in Japan] Hayakawa H, et al. Arerugi 1984 Mar;33(3):182–93 (Eng. Abstr.) (Jpn)

PATHOLOGY

Response of sensitive human ataxia and resistant T-1 cell lines to accelerated heavy ions. Tobias CA, et al. Br J Cancer [Suppl] 1984;6:175–85

Reduced levels of fibronectin in ataxia-telangiectasia lymphoblastoid cells. Lavin MF, et al. Int J Cancer 1984 Mar 15;33(3):359–63

Fixation and repair of radiation damage in normal and ataxia-telangiectasia human cells. Raaphorst GP, et al. Int J Radiat Biol 1984 Aug;46(2):121–4

Thermal enhancement of radiosensitivity in normal and ataxia telangiectasia human cells. Raaphorst GP, et al. Int J Radiat Oncol Biol Phys 1984 Feb;10(2):253–8

Perturbations of cell-cycle progression in gamma-irradiated ataxia telangiectasia and Huntington's disease cells detected by DNA flow cytometric analysis. Imray FP, et al. Mutat Res 1983 Dec;112(6):369–82

Evaluations of wasted mouse fibroblasts and SV-40 transformed human fibroblasts as models of ataxia telangiectasia in vitro. Nordeen SK, et al. Mutat Res 1984 Aug;140(4):219–22

The effects of hyperthermia and ionizing radiation in normal and ataxia telangiectasia human fibroblast lines. Mitchel RE, et al. Radiat Res 1984 Sep;99(3):627–35

[Ataxia telangiectasia. Study of a patient with multisystemic involvement] Espinel Garuz E, et al. Rev Clin Esp 1983 Oct 15;171(1):61–5 (Spa)

PHYSIOPATHOLOGY

Multimodal electrophysiological assessment of ataxia telangiectasia. Taylor MJ, et al. Can J Neurol Sci 1983 Nov;10(4):261–5

The effects of ionizing radiation on cell cycle progression in ataxia telangiectasia. Ford MD, et al. Mutat Res 1984 Jan;125(1):115–22

RADIOGRAPHY

Thoracic manifestations of neurocutaneous diseases. Aughenbaugh GL. Radiol Clin North Am 1984 Sep; 22(3):741–56 (77 ref.)

ATELECTASIS

Atelectasis in childhood. Redding GJ.
Pediatr Clin North Am 1984 Aug;31(4):891–905

COMPLICATIONS

[Broncholithiasis complicated by atelectasis of the middle lobe associated with chronic pneumonia] Ryzhankov AK, et al. **Grudn Khir** 1983 Sep–Oct;(5):91–2 **(Rus)**

DIAGNOSIS

[Fibrobronchoscopic examination of 50 patients with lobar atelectasis] Hu HC.
Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih 1983 Apr;6(2):85–6 (Eng. Abstr.) **(Chi)**

ETIOLOGY

Respiratory complications following surgery. Improved prediction with preoperative spirometry. Wirén JE, et al. **Acta Anaesthesiol Scand** 1983 Dec;27(6):476–9
Atelectasis and neuromuscular respiratory failure. Schmidt–Nowara WW, et al. **Chest** 1984 Jun;85(6):792–5
Rounded atelectasis due to acute exudative effusion. Spontaneous resolution. Smith LS, et al. **Chest** 1984 Jun; 85(6):830–2
Intrabronchial bleeding and life–threatening atelectasis in pulmonary embolism. Van Renterghem D, et al.
Eur J Respir Dis 1984 Feb;65(2):144–6
Endobronchial involvement in Wegener's granulomatosis. Amin R. **Postgrad Med J** 1983 Jul;59(693):452–4
[Rounded atelectasis: a case report and review of literature] Jia SL.
Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih 1984 Feb;7(1):39–40 (Eng. Abstr.) **(Chi)**
[Round atelectasis] Auregan G, et al. **Poumon Coeur** 1983; 39(5):239–46 (Eng. Abstr.) **(Fre)**
[Pulmonary complications following Harrington's operation] Biscoping J, et al. **Z Orthop** 1983 Nov–Dec;121(6):741–3 (Eng. Abstr.) **(Ger)**
[A case of late postoperative atelectasis. Etiopathogenetic considerations and therapy] Guerrini P, et al.
Minerva Anestesiol 1983 Jul–Aug;49(7–8):449–53 (Eng. Abstr.) **(Ita)**

IMMUNOLOGY

Controls in the study of lung cellular immune defenses [letter] Hebert JC, et al. **Arch Surg** 1984 Aug;119(8):977–8
The effects of pulmonary atelectasis and reexpansion on lung cellular immune defenses. Shennib H, et al. **Arch Surg** 1984 Mar;119(3):274–7

PHYSIOPATHOLOGY

Effect of changes in pleural pressure on fluid filtration rate in expanded and collapsed rabbit lungs. Sanchez de Léon R, et al. **Acta Anaesthesiol Scand** 1983 Aug;27(4):294–8
Influence of mixed venous oxygen tension (PVO2) on blood flow to atelectatic lung. Domino KB, et al.
Anesthesiology 1983 Nov;59(5):428–34
Effect of high–frequency oscillation on blood flow to an atelectatic lung in closed–chest dogs. Hall SM, et al.
Crit Care Med 1984 May;12(5):447–51
[Significance of the lung mechanoreceptors in shortening expiration during lung collapse] Zhdanov VA.
Fiziol Zh SSSR 1984 Feb;70(2):1?6–94 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

The effect of incisional infiltration of bupivacaine hydrochloride upon pulmonary functions, atelectasis and narcotic need following elective cholecystectomy. Patel JM, et al. **Surg Gynecol Obstet** 1983 Oct;157(4):338–40
[Postoperative atelectases in the renal angle preventively treated with positive atmospheric pressure] Andersen BN, et al. **Ugeskr Laeger** 1983 Dec 5;145(49):3811–3 (Eng. Abstr.) **(Dan)**

RADIOGRAPHY

CT features of rounded atelectasis of the lung. Doyle TC, et al. **AJR** 1984 Aug;143(2):225–8
Pulmonary collapse. Ragozzino MW, et al.
Am Fam Physician 1984 May;29(5):143–6
An unusual case of rounded atelectasis. Geremia G, et al. **Chest** 1984 Sep;86(3):485–6
Shifting granuloma: a sign of lobar collapse. Webb RT, et al. **Chest** 1984 Apr;85(4):559–60
The chest radiograph: anatomic considerations. Proto AV.
Clin Chest Med 1984 Jun;5(2):213–46
Computed tomographic diagnosis of rounded atelectasis: a case report. Grabowski WS. **Compu. Radiol** 1983 Sep–Oct; 7(5):301–4
Pulmonary infiltrate in a female non–smoker. Hillerdal G, et al. **Eur J Respir Dis** 1984 May;65(4):305–6
The viewbox. Round atelectasis. Kash DJ. **IMJ** 1984 Jul; 166(1):9, 49–51
Computed tomography appearance of Golden's 'S' sign. Reinig JW, et al. **J Comput Tomogr** 1984 Jul;8(3):219–23
Computed tomography diagnosis of bronchial compression by the spine after surgical correction of scoliosis. Karoll M, et al. **Pediatr Radiol** 1984;14(5):335–6
Localized pneumothorax adjacent to a collapsed lobe: a sign of bronchial obstruction. Berdon WE, et al. **Radiology** 1984 Mar;150(3):691–4
Round atelectasis. Tallroth K, et al. **Respiration** 1984; 45(1):71–7
Peripheral right upper lobe collapse in the newborn. Johnson JF, et al. **ROFO** 1984 Apr;140(4):421–4
CT of lobar collapse. Naidich DP, et al.
Semin Roentgenol 1984 Jul;19(3):222–35 (21 ref.)
[Lung atelectasis in chronic posttraumatic aortic aneurysm] Steiner H, et al. **ROFO** 1984 Aug;141(2):233–5 **(Ger)**
[Unusual middle lobe atelectasis demonstrating an intrathoracic tumor–like shadow] Kubota H, et al.
Rinsho Hoshasen 1983 Jun;28(6):653–6 (Eng. Abstr.) **(Jpn)**
[Computed tomography of upper lobe atelectasis: changes of fat density occupying the dead space] Mori M, et al.
Rinsho Hoshasen 1984 Feb;29(2):267–71 (Eng. Abstr.) **(Jpn)**
[Rounded atelectasis: an infrequent cause of pulmonary pseudotumor] Baró Ros P, et al. **Med Clin (Barc)** 1984 Apr 21;82(15):678–81 (Eng. Abstr.) **(Spa)**
[The upper triangle sign in atelectasis of the middle lobe and lower right lobe] Coca A, et al. **Med Clin (Barc)** 1983 Jul 16;81(5):200–2 (Eng. Abstr.) **(Spa)**

SURGERY

[Traumatic rupture of the left main bronchus successfully repaired seventy–five days after the injury] Kimura S, et al. **Rinsho Kyobu Geka** 1984 May;4(3):331–6 (Eng. Abstr.) **(Jpn)**
[Rethoracotomy in atelectasis] Grinblat AI, et al.
Khirurgiia (Mosk) 1983 Dec;(12):95–8 **(Rus)**

THERAPY

Reexpansion pulmonary edema [letter] Sprung CL, et al.
Chest 1983 Dec;84(6):788
High–frequency jet ventilation for differential lung ventilation. Nishimura M, et al. **Crit Care Med** 1984 Sep; 12(9):840–1
Influence of the method of re–expansion of atelectatic lung upon the development of pulmonary edema in dogs. Ray RJ, et al. **Crit Care Med** 1984 Apr;12(4):364–6
[Pulmonary edema from re–expansion of a pneumothorax. A complication which should be avoided (letter)] Vincent M, et al. **Presse Med** 1984 Jul 7;13(28):1746 **(Fre)**
[Atelectasis – bronchoscopy and unilateral ventilation] Voigt E. **Anasth Intensivther Notfallmed** 1983 Oct;18(5):239–42 (Eng. Abstr.) **(Ger)**
[Continuous positive pressure respiration by nasal route (n–CPAP) as a preferred treatment method in various types of acute respiratory insufficiency in newborn infants] Czekuć E, et al. **Probl Med Wieku Rozwoj** 1983;12:99–104 (Eng. Abstr.) **(Pol)**

VETERINARY

Postural atelectasis in a dog. Farrow CS. **Mod Vet Pract** 1984 Jun;65(6):474

ATELECTASIS, CONGESTIVE see **RESPIRATORY DISTRESS SYNDROME, ADULT**

ATELES see **CEBIDAE**

ATENOLOL

Distribution coefficients of atenolol and sotalol. Taylor PJ, et al. **J Pharm Pharmacol** 1984 Feb;36(2):118–9

ADMINISTRATION & DOSAGE

Influence of time and physical activity on blood pressure and heart rate during treatment with beta–blocking agents once daily. Danielson M, et al. **Acta Med Scand** 1983; 214(5):381–5
Can once–daily beta–blockade provide 24–hour cardioprotection? Watt SJ, et al. **Br J Clin Pract** 1983 Oct; 37(10):336–41, 347
Acute effects of alcohol, beta blockade, and their combination on left ventricular function and hemodynamics in normal man. Kupari M, et al. **Eur Heart J** 1983 Jul; 4(7):463–71
The effects of two combinations of a beta–blocker and a diuretic on diuresis in normal subjects. Sommers DK, et al. **S Afr Med J** 1984 Mar 3;65(9):336–8
[Combined effect of hydrochlorothiazide and atenolol in antihypertensive therapy of 42 patients] Shen JQ, et al. **Chung Kuo Yao Li Hsueh Pao** 1983 Dec;4(4):254–8 (Eng. Abstr.) **(Chi)**
[Efficacy of the association of atenolol with an amiloride–hydrochlorothiazide combination in the treatment of persistent arterial hypertension] Carnovali M, et al. **Clin Ter** 1984 Mar 15;108(5):421–5 (Eng. Abstr.) **(Ita)**
[Treatment of hypertension with the cardioselective beta–adrenergic blockader tenormin] Charyev KhE, et al. **Ter Arkh** 1983;55(9):51–6 (Eng. Abstr.) **(Rus)**
[Behavior of the arterial pressure in patients taking atenolol and propranolol under the influence of alcohol] Guevara F. **Rev Med Panama** 1983 Sep;8(3):175–80 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Acute psychotic behavior associated with atenolol [letter] Viadero JJ, et al. **Am J Psychiatry** 1983 Oct;140(10):1382
The psychological side effects of acebutolol and atenolol. Lewis MJ, et al. **Br J Clin Pharmacol** 1984 Mar;17(3):364–6
Psoriasiform reaction to atenolol. Gawkrodger DJ, et al.
Clin Exp Dermatol 1984 Jan;9(1):92–4
A comparison between atenolol and metoprolol in respect of central nervous system side effects. Kirk CA, et al.
Postgrad Med J 1983;59 Suppl 3:161–3

ANALYSIS

High–performance liquid chromatographic measurement of atenolol: methodology and clinical applications. Bhamra RK, et al. **Ther Drug Monit** 1983;5(3):313–8

BLOOD

Rapid high–performance liquid chromatographic method for the measurement of atenolol in plasma using UV detection. Verghese C, et al. **J Chromatogr** 1983 Jul 8;275(2):367–75

METABOLISM

Atenolol and metoprolol. A comparison of their excretion into human breast milk. Kulas J, et al.
Acta Obstet Gynecol Scand [Suppl] 1984;118:65–9
Pharmacokinetics of atenolol in acute respiratory infection [letter] Frölich JC. **Biopharm Drug Dispos** 1984 Apr–Jun; 5(2):199
Pharmacokinetic studies with atenolol in the dog. McAinsh J, et al. **Biopharm Drug Dispos** 1983 Jul–Sep;4(3):249–61
Levels of the beta–blockers atenolol and propranolol in the breast milk of women treated for hypertension in pregnancy. Thorley KJ, et al. **Biopharm Drug Dispos** 1983 Jul–Sep;4(3):299–301
Atenolol elimination in the neonate. Rubin PC, et al.
Br J Clin Pharmacol 1983 Dec;16(6):659–62
Atenolol in human plasma and breast milk. White WB, et al. **Obstet Gynecol** 1984 Mar;63(3 Suppl):42S–44S

PHARMACODYNAMICS

Influence of the beta 1–adrenoceptor blocker atenolol on antenatal cardiotocography. Montan S, et al.
Acta Obstet Gynecol Scand [Suppl] 1984;118:99–102
Effects of beta 1–selective and nonselective beta–adrenoceptor blockade during exercise conditioning in healthy adults. McLeod AA, et al. **Am J Cardiol** 1984 Jun 1;53(11):1656–61
Hemodynamic and metabolic responses to exercise after alpha 1–, beta 1–, and nonselective beta–adrenoceptor blockade in man. McLeod AA, et al. **Am J Med** 1984 Feb 27; 76(2A):97–100
The effect of beta–adrenoceptor antagonists on the pharmacokinetics and pharmacodynamics of warfarin after a single dose. Bax ND, et al. **Br J Clin Pharmacol** 1984 May;17(5):553–7
Lack of pharmacokinetic interaction between isosorbide dinitrate and the beta–adrenergic receptor blockers atenolol and propranolol. Bogaert MG, et al.
Br J Clin Pharmacol 1984;17 Suppl 1:90S–91S
The effect of cimetidine on the relative cardioselectivity of atenolol and metoprolol in asthmatic patients. Ellis ME, et al. **Br J Clin Pharmacol** 1984;17 Suppl 1:59S–64S
Interaction between the beta–adrenoceptor blockers metoprolol and atenolol with amitriptyline and their effects on oxidative liver metabolism. Kirch W, et al.
Br J Clin Pharmacol 1984;17 Suppl 1:65S–68S
The effect of two beta–adrenoceptor blockers (mepindolol and atenolol) on blood lipids and platelet aggregation in normal volunteers and essential hypertensive patients. Luque Otero M, et al. **Br J Clin Pharmacol** 1984 Mar; 17(3):361–3
Effect of atenolol and metoprolol on the anticoagulant activity of acenocoumarin. Mantero F, et al.
Br J Clin Pharmacol 1984;17 Suppl 1:94S–96S
Increased platelet adhesion and aggregation in hypertensive patients: effect of atenolol. Markel A, et al.
Br J Clin Pharmacol 1983 Dec;16(6):663–8
The effects of ICI 118,587 and atenolol on the responses to exercise and on breathlessness in healthy subjects. O'Neill PA, et al. **Br J Clin Pharmacol** 1984 Jan;17(1):37–41
Effect of treatment with chlorthalidone and atenolol on response to dilator agents in the forearm resistance vessels of men with primary hypertension. Robinson BF, et al.
Br J Clin Pharmacol 1983 Sep;16(3):327–32
The influence of indomethacin and sulindac on some pharmacological actions of atenolol in hypertensive patients. Salvetti A, et al. **Br J Clin Pharmacol** 1984;17 Suppl 1:108S–111S
Pharmacokinetic and pharmacodynamic interactions between phenprocoumon and atenolol or metoprolol. Spahn H, et al. **Br J Clin Pharmacol** 1984;17 Suppl 1:97S–102S
A comparative study of the acute effects of cetamolol (AI–27,303), atenolol, propranolol, and dexpropranolol on blood pressure, sympathetic nerve and ganglion activity of cats. Jaramillo J. **Can J Physiol Pharmacol** 1983 Jul; 61(7):693–8
The action of beta–adrenoceptor antagonists on rat heart mitochondrial function in vitro: a comparison of propranolol, timolol, and atenolol. Quinn PJ, et al.
Cardiovasc Res 1984 Apr;18(4):212–9

Facilitation of calcium blocking and membrane effects by intrinsic sympathomimetic activity. Smith HJ, et al. **Cardiovasc Res** 1984 Jan;18(1):30–6

The effects of acute and chronic beta-adrenoceptor blockade on the myofibrillar contractile system in the dog heart. Davies MK, et al. **Clin Sci** 1984 Aug;67(2):259–67

Divergent effects of atenolol, practolol and propranolol on the peripheral metabolic changes induced by dynamic exercise in healthy men. Laustiola K, et al. **Eur J Clin Pharmacol** 1983;25(3):293–7

Resetting of the baroreceptors by atenolol in the anaesthetized cat. Scott EM, et al. **Eur J Pharmacol** 1983 Oct 14;94(1–2):167–70

Effect of atenolol, nifedipine & oxyfedrine on experimental myocardial infarct size in rhesus monkeys. Banka N, et al. **Indian J Med Res** 1984 Mar;79:426–31

Single administration of atenolol does not influence the kinetics of orally given isosorbide dinitrate. Bogaert MG, et al. **Int J Clin Pharmacol Res** 1983;3(6):491–3

Pressure and humoral changes induced by atenolol and hydrochlorothiazide + amiloride, alone and in free combination. A comparative between-patient study. Salvadeo A, et al. **Int J Clin Pharmacol Res** 1983;3(5):371–7

Effect of atenolol treatment on urinary prostaglandins E2 and F2 alpha in essential hypertension. Rathaus M, et al. **Isr J Med Sci** 1983 Dec;19(12):1072–4

Effects of acute and chronic treatments with atenolol and propranolol on cardiovascular responses to handling stress in spontaneously hypertensive rats. Kudo Y, et al. **J Pharmacobiodyn** 1983 Oct;6(10):729–36

Interaction of atenolol with the systemic and regional hemodynamic effects of hydralazine in conscious renal hypertensive rabbits. Bolt GR, et al. **J Pharmacol Exp Ther** 1984 Jul;230(1):205–13

Reoxygenation dysrhythmias in the isolated guinea-pig heart: sensitivity to prazosin, atenolol and practolol. Antonini G, et al. **Pharmacol Res Commun** 1983 Sep;15(8):751–63

Duration of beta-blockade with metoprolol and atenolol: influence of drug oxidation. Freestone S, et al. **Postgrad Med J** 1983;59 Suppl 3:36–7

Regional myocardial tissue blood flow during sequential beta 1- and beta 2-adrenergic blockade in cat hearts with acute ischaemia. Grong K, et al. **Scand J Clin Lab Invest** 1983 Dec;43(8):647–55

[The effect of beta receptor blockers and diuretics on blood pressure reactivity] Neus H, et al. **Z Kardiol** 1983 Oct; 72(10):617–21 (Eng. Abstr.) **(Ger)**

[Effects of propranolol and atenolol on the rat kidney] Yamazaki N, et al. **Nippon Yakurigaku Zasshi** 1983 May; 81(5):333–42 (Eng. Abstr.) **(Jpn)**

[Prazosin in exercise-induced angina pectoris. An open study of work capacity after a single dose of prazosin, isosorbide dinitrate, atenolol and nifedipine] Ellingsen O, et al. **Tidsskr Nor Laegeforen** 1984 Mar 30;104(9):657–60 (Eng. Abstr.) **(Nor)**

THERAPEUTIC USE

Increased plasma free dopamine after treatment with atenolol and oxprenolol in essential hypertension. Kjeldsen SE, et al. **Acta Med Scand** 1983;214(5):367–71

Antihypertensive treatment in elderly patients in general practice (preliminary results). Andersen GS. **Acta Med Scand [Suppl]** 1983;676:151–60

Captopril or atenolol in essential hypertension. Andrén L, et al. **Acta Med Scand [Suppl]** 1983;677:115–8

Combined therapy with Ca-antagonists and beta-adrenergic receptor blocking agents in chronic stable angina. Lessem J. **Acta Med Scand [Suppl]** 1984;681:83–90

Atenolol 50 mg or metoprolol 200 mg – a comparison of antihypertensive efficacy, side effects and lipoprotein changes. Weiner L, et al. **Acta Med Scand [Suppl]** 1983; 677:153–7

Comparative effects of prazosin and atenolol on plasma lipids in hypertensive patients. Rouffy J, et al. **Am J Med** 1984 Feb 27;76(2A):105–8

Effects of beta-blockade on regional myocardial flow and function during exercise. Matsuzaki M, et al. **Am J Physiol** 1984 Jul;247(1 Pt 2):H52–60

The effects of beta adrenoceptor blockade with atenolol on myocardial cellular and subcellular hypertrophy in spontaneously hypertensive rats. Lauva IK, et al. **Anat Rec** 1983 Dec;207(4):615–22

Effect of atenolol on plasma HDL cholesterol subfractions. Lehtonen A, et al. **Atherosclerosis** 1984 May-Jun; 51(2–3):335–8

Acute and chronic haemodynamic and electrophysiological effects of nifedipine in patients receiving atenolol. Rowland E, et al. **Br Heart J** 1983 Oct;50(4):383–9

Antihypertensive and renal haemodynamic effects of atenolol and nadolol in elderly hypertensive patients. O'Callaghan WG, et al. **Br J Clin Pharmacol** 1983 Oct;16(4):417–21

Essential hypertension and pregnancy: successful outcome with atenolol. Fowler MB, et al. **Br J Clin Pract** 1984 Feb; 38(2):73–4

Comparison of ocular hypotensive effects of 3 dosages of oral atenolol. Tutton MK, et al. **Br J Ophthalmol** 1983 Oct;67(10):664–7

'Third drug' trial: comparative study of antihypertensive agents added to treatment when blood pressure remains uncontrolled by a beta blocker plus thiazide diuretic. McAreavey D, et al. **Br Med J [Clin Res]** 1984 Jan 14; 288(6411):106–11

Predictability of antihypertensive efficacy of selective beta 1 blockers. Volpe M, et al. **Clin Pharmacol Ther** 1983 Dec; 34(6):758–63

Effect of chronic atenolol therapy on the cardiovascular response to handgrip in hypertensive patients. Orlandi C, et al. **Clin Ther** 1983;5(6):632–7

Indapamide and atenolol in the treatment of hypertension: double-blind comparative and combination study. De Divitiis O, et al. **Curr Med Res Opin** 1983;8(7):493–500

Comparison of efficacy of a single daily dose of 400 mg acebutolol and 100 mg atenolol in the treatment of arterial hypertension. Turner AS, et al. **Curr Med Res Opin** 1983; 8(8):570–6

A comparative study of atenolol and penbutolol in hypertensive patients. Lameijer LD, et al. **Eur Heart J** 1983 Jul;4 Suppl D:53–6

Hypertension in pregnancy: evaluation of two beta blockers atenolol and labetalol. Lardoux H, et al. **Eur Heart J** 1983 Nov;4 Suppl G:35–40

Comparison of hydrochlorothiazide and atenolol as initial treatment in uncomplicated hypertension. van der Veur E, et al. **Eur J Clin Pharmacol** 1984;26(2):157–62

Multicentric clinical study on the antihypertensive efficacy of atenolol administered alone or with a diuretic combination. Sala G, et al. **Farmaco [Prat]** 1983 Oct; 38(10):369–75

Comparison of three adrenoreceptor blocking agents in patients with cirrhosis and portal hypertension. Mills PR, et al. **Gut** 1984 Jan;25(1):73–8

Echocardiographic left ventricular hypertrophy as related to arterial pressure and plasma norepinephrine concentration in arterial hypertension. Reversal by atenolol treatment. Corea L, et al. **Hypertension** 1983 Nov-Dec; 5(6):837–43

Effects of hydrochlorothiazide combined with amiloride in atenolol-resistant hypertensive patients. Corea L, et al. **Int J Clin Pharmacol Res** 1983;3(5):367–70

Half-strength atenolol-chlorthalidone combination (tenoretic mite) in the treatment of elderly hypertensive patients. Fogari R, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 Jul;22(7):386–93

Clinical evaluation of 'Tenormin' (Atenolol) in hypertension. Haider Z, et al. **JPMA** 1984 Jan;34(1):13–6

Which beta-blocker in pregnancy-induced hypertension? [letter] Lardoux H, et al. **Lancet** 1983 Nov 19;2(8360):1194

Cigarette smoking and the treatment of angina with propranolol, atenolol, and nifedipine. Deanfield J, et al. **N Engl J Med** 1984 Apr 12;310(15):951–4

The influence of beta blockers on cardiovascular reactivity and Type A behavior pattern in hypertensives. Schmieder R, et al. **Psychosom Med** 1983 Oct;45(5):417–23

Enalapril and atenolol in primary hypertension--a comparative study of blood pressure lowering and hormonal effects. Ohman KP, et al. **Scand J Urol Nephrol [Suppl]** 1984;79:93–7

Once daily 50 mg Atenolol in the treatment of mild and moderate hypertension. Chia BL, et al. **Singapore Med J** 1983 Oct;24(5):307–8

[Use of Falicard and Sectral in patients with COPD and ischemic heart disease] Khadzhipetrov N, et al. **Vutr Boles** 1983;22(5):86–9 (Eng. Abstr.) **(Bul)**

[Effect of atenolol in the treatment of hypertension and angina pectoris] **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1983 Sep; 11(3):202–3 **(Chi)**

[Effect of 2 beta-blockers on arterial hypertension during pregnancy. Results of a prospective study on 56 pregnant hypertensive women treated with atenolol and labetalol] Gérard J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1983; 12(8):891–900 (Eng. Abstr.) **(Fre)**

[Comparative effects of an alpha 1 and beta 1-2 blocker (labetalol) and a beta-1 blocker (atenolol) in the hypertensive patient] Sassard J, et al. **J Pharmacol** 1983; 14 Suppl 2:121–9 (Eng. Abstr.) **(Fre)**

[Effect of atenolol and nitroglycerin ointment on exertion tolerance in coronary disease] Koenig W, et al. **Dtsch Med Wochenschr** 1983 Nov 25;108(47):1798–803 (Eng. Abstr.) **(Ger)**

[Beta-blockers in geriatrics. Results of a symposium on Tenormin] **MMW** 1983 Oct 21;(42 Suppl):3–22 **(Ger)**

[Protection of the hypertensive patient: comparative atenolol-metoprolol study] Mazzari M, et al. **Boll Soc Ital Cardiol** 1982;27(8):753–63 (Eng. Abstr.) **(Ita)**

[The effect of antihypertensive treatment with atenololo on the dimensions and function of the left ventricle] Sau F, et al. **Boll Soc Ital Cardiol** 1982;27(2):173–81 (Eng. Abstr.) **(Ita)**

[Effect of the beta-adrenoblockader atenolol on the extent of myocardial necrosis in transient and permanent coronary occlusion] Kogan AKh, et al. **Biull Eksp Biol Med** 1984 Jan;97(1):55–7 (Eng. Abstr.) **(Rus)**

ATHEROSCLEROSIS see under **ARTERIOSCLEROSIS**

ATHETOSIS

Idiopathic paroxysmal choreoathetosis—report of 2 cases and review of literature. Rani Jusoh. **Med J Malaysia** 1983 Sep; 38(3):224–7

CEREBROSPINAL FLUID

The CSF transferrin pattern of paroxysmal kinesigenic choreoathetosis [letter] Merelli E, et al. **Ital J Neurol Sci** 1984 Mar;5(1):103–4

CHEMICALLY INDUCED

Choreoathetosis associated with lithium: case report and literature review. Zorumski CF, et al. **Am J Psychiatry** 1983 Dec;140(12):1621–2

Experimental choreoathetosis produced by injection of a gamma-aminobutyric acid antagonist into the lentiform nucleus in the monkey. Jackson A, et al. **Neurosci Lett** 1984 Apr 20;46(1):41–5

Phenytoin-induced choreoathetosis in infancy: case reports and a review. Krishnamoorthy KS, et al. **Pediatrics** 1983 Dec;72(6):831–4

COMPLICATIONS

Surgical treatment of cervical spondylotic myelopathy complicating athetoid cerebral palsy. Nishihara N, et al. **J Bone Joint Surg [Br]** 1984 Aug;66(4):504–8

DIAGNOSIS

Monosymptomatic athetosis or functional disorder: an extraordinary case of strikingly deep larynx associated with speech disorder. Ebner W. **Folia Phoniatr (Basel)** 1983; 35(5):241–4

Paroxysmal kinesigenic choreoathetosis. Case report. Zacchetti O, et al. **Ital J Neurol Sci** 1983 Sep;4(3):345–7

[Kinesigenic paroxysmal choreoathetosis. Observations apropos of 1 case] Zacchetti O, et al. **Riv Neurobiol** 1983 Jan-Mar;29(1):64–70 (Eng. Abstr.) **(Ita)**

[Choreoathetosis. Uncommon manifestation during chronic liver disease with portocaval shunt] Spitaleri DL, et al. **Riv Neurol** 1983 Sep-Oct;53(5):293–9 (Eng. Abstr.) **(Ita)**

DRUG THERAPY

Treatment of post-traumatic choreo-athetosis with sodium valproate [letter] Chandra V, et al. **J Neurol Neurosurg Psychiatry** 1983 Oct;46(10):963

[Successful isoniazid therapy of athetotic syndrome] Stober T, et al. **Nervenarzt** 1983 Dec;54(12):658–9 **(Ger)**

ETIOLOGY

Paroxysmal choreoathetosis due to hypoglycemia. Newman RP, et al. **Arch Neurol** 1984 Mar;41(3):341–2

[Polycythemia vera complicated by choreoathetosis] Krogsgaard-Jensen A. **Ugeskr Laeger** 1984 Mar 12; 146(11):817–8 (Eng. Abstr.) **(Dan)**

FAMILIAL & GENETIC

Photic induced-driven PLEDs in paroxysmal dystonic choreoathetosis. Jacome DE, et al. **Clin Electroencephalogr** 1984 Jul;15(3):151–4

Therapeutic aspects of kinesiogenic paroxysmal choreoathetosis and familial paroxysmal choreoathetosis of the Mount and Reback type. Przuntek H, et al. **J Neurol** 1983;230(3):163–9

Peroneal muscular atrophy and epilepsy with cerebellar ataxia and choreoathetosis in the same family. Routsonis K, et al. **J Neurol Sci** 1984 May;64(2):161–73

[Familial paroxysmal choreoathetosis. Report of 2 cases in one family] Zukerman E, et al. **Arq Neurospiquiatr** 1983 Dec;41(4):373–6 (Eng. Abstr.) **(Por)**

PHYSIOPATHOLOGY

Role of the basal ganglia in a chemically induced dyskinesia in rat. Schneider JS. **Exp Neurol** 1984 Jun;84(3):524–32

[Athetosis and eye movements. Apropos of a case with oculographic study] Mihout B, et al. **Rev Otoneuroophtalmol** 1984 Jan-Feb;56(1):63–6 (Eng. Abstr.) **(Fre)**

THERAPY

Head-position training through biofeedback: prosthetic or cure? Catanese AA, et al. **Dev Med Child Neurol** 1984 Jun; 26(3):369–74

ATHIORHODACEAE see **RHODOSPIRILLACEAE**

ATHLETE'S FOOT see **TINEA PEDIS**

ATHLETIC INJURIES

Atypical pronation-eversion ankle joint fractures. Olerud C, et al. **Arch Orthop Trauma Surg** 1984;102(3):201–2

Athletes attending a sports injury clinic—a review. Devereaux MD, et al. **Br J Sports Med** 1983 Dec; 17(4):137–42

The Nottingham Sports Injury Clinic. Hutson MA. **Br J Sports Med** 1984 Jun;18(2):122–3

Major ocular trauma: a disturbing trend in field hockey injuries. Elliott AJ, et al. **Br Med J [Clin Res]** 1984 Jul 7;289(6436):21–2

Traumatic dislocation of the hip in mini rugby. Rees D, et al. **Br Med J [Clin Res]** 1984 Jul 7;289(6436):19–20

Should boxing be banned? [letter] Ioannou S. **Can Med Assoc J** 1984 Jul 1;131(1):10

Cervical spine injuries in rugby players. Sovio OM, et al. **Can Med Assoc J** 1984 Mar 15;130(6):735–6
Symposium on ankle and foot problems in the athlete. **Clin Sports Med** 1982 Mar;1(1):1–178
Symposium on pediatric and adolescent sports medicine. **Clin Sports Med** 1982 Nov;1(3):341–527
Symposium on skiing injuries. **Clin Sports Med** 1982 Jul; 1(2):179–340
Symposium on injuries to dancers. **Clin Sports Med** 1983 Nov; 2(3):457–641
Historical perspectives on injuries of the ligaments of the ankle. Balduini FC, et al. **Clin Sports Med** 1982 Mar; 1(1):3–12 (43 ref.)
Ankle injuries in athletics. Mack RP. **Clin Sports Med** 1982 Mar;1(1):71–84
Sports medicine concerns in dance and gymnastics. Teitz CC. **Clin Sports Med** 1983 Nov;2(3):571–93
The spectrum of lower leg injuries in skiing. Trevino SG, et al. **Clin Sports Med** 1982 Jul;1(2):263–76
Chronic low back pain in a long-distance runner. A case report. Blake RL, et al. **J Am Podiatry Assoc** 1983 Nov; 73(11):598–601
Pathogenesis of a fracture of the distal femoral epiphysis. A case report. Grogan DP, et al. **J Bone Joint Surg [Am]** 1984 Apr;66(4):621–2
Fracture of the tibial tuberosity with associated ligamentous and meniscal tears. A case report. Lipscomb AB, et al. **J Bone Joint Surg [Am]** 1984 Jun;66(5):790–2
Rotatory dislocation of both atlanto-axial joints. Jones RN. **J Bone Joint Surg [Br]** 1984 Jan;66(1):6–7
Rodeo roping thumb injuries. Morgan RF, et al. **J Hand Surg [Am]** 1984 Mar;9(2):178–80
The second impact in catastrophic contact-sports head trauma. Saunders RL, et al. **JAMA** 1984 Jul 27;252(4):538–9
The shoulder in sports. Cofield RH, et al. **Mayo Clin Proc** 1984 Mar;59(3):157–64
1984 American College of Sports Medicine annual meeting abstracts. May 23–26, San Diego, California. **Med Sci Sports Exerc** 1984 Apr;16(2):103–205
Overuse injuries in athletes: a perspective. Stanish WD. **Med Sci Sports Exerc** 1984;16(1):1–7
Common running injuries of the leg and foot. Johnson R. **Minn Med** 1983 Jul;66(7):441–4
Tympanic membrane perforations from water sports: treatment and outcome. Rybak LP, et al. **Otolaryngol Head Neck Surg** 1983 Dec;91(6):659–62
Orbital rim trauma causing a blowout fracture. Kulwin DR, et al. **Plast Reconstr Surg** 1984 Jun;73(6):969–71
Sports injuries to the upper extremity. How to recognize and deal with some common problems. Cooney WP 3d. **Postgrad Med** 1984 Sep 15;76(4):45–50
Symposium on sports medicine. **Primary Care** 1984 Mar; 11(1):1–198
[Isolated luxation of the proximal tibio-fibular joint as a rare sports injury] Halm W, et al. **Unfallchirurgie** 1983 Dec; 9(6):349–53 (Eng. Abstr.) **(Ger)**
[Biochemical aspects in the assessment of torsion fractures of the tibia in Alpine ski-sport] Menke W, et al. **Unfallheilkunde** 1983 Jul;86(7):337–40 (Eng. Abstr.) **(Ger)**
['Typical' and 'less typical' sports injuries in the field of neurology] Kröss R, et al. **Wien Med Wochenschr** 1983 Jul 31;133(13–14):345–53 (Eng. Abstr.) **(Ger)**
[Sports injuries in the elderly] Suckert R. **Z Unfallchir Versicherungsmed Berufskr** 1983;76(4):205–7 **(Ger)**
[Ocular injuries in sports] Bărăscu D. **Rev Chir [Oftalmol]** 1984 Apr–Jun;28(2):153–7 (Eng. Abstr.) **(Rum)**

COMPLICATIONS

Anterolateral compartment syndrome related to drug-induced bleeding. A case report. Beall S, et al. **Am J Sports Med** 1983 Nov–Dec;11(6):454–5
Subclavian thrombosis following hockey injuries. Butsch JL. **Am J Sports Med** 1983 Nov–Dec;11(6):448–50
Simultaneous bilateral rupture of the quadriceps tendon and leg fractures in a weightlifter. A case report. Grenier R, et al. **Am J Sports Med** 1983 Nov–Dec;11(6):451–3
Sports and peripheral nerve injury. Hirasawa Y, et al. **Am J Sports Med** 1983 Nov–Dec;11(6):420–6
Long-term followup of knee injuries in high school football players. Moretz JA 3d, et al. **Am J Sports Med** 1984 Jul–Aug;12(4):298–300
Symptomatic shoulder instability due to lesions of the glenoid labrum. Pappas AM, et al. **Am J Sports Med** 1983 Sep–Oct; 11(5):279–88
Ganglion cysts and tear of triangular fibrocartilages of both wrists in a cheerleader. Tehranzadeh J, et al. **Am J Sports Med** 1983 Sep–Oct;11(5):357–9
Traumatic osteitis pubis: the gracilis syndrome. Wiley JJ. **Am J Sports Med** 1983 Sep–Oct;11(5):360–63
Sports injury as cause of traumatic pseudoaneurysm of superficial temporal artery [letter] Manz HJ, et al. **Arch Pathol Lab Med** 1984 Oct;108(10):775–6
Traumatic temporal aneurysm. Snape L. **Br J Oral Maxillofac Surg** 1984 Jun;22(3):208–11
Pseudo-obstruction of the biliary tract associated with a traumatic biliary fistula. Kidder RE, et al. **Clin Nucl Med** 1984 May;9(5):259–61
Disuse osteoporosis. A case report. Brandes BA, et al. **J Am Podiatry Assoc** 1983 Sep;73(9):482–4
The surgical treatment of exertional compartment syndrome in athletes. Rorabeck CH, et al. **J Bone Joint Surg [Am]** 1983 Dec;65(9):1245–51
Exertional anterior compartment syndrome with fascial hernias. Hoover JA. **J Foot Surg** 1983 Fall;22(3):271–2
Bowler's thumb [letter] Pons RK. **J Hand Surg** 1983 Sep;8(5 Pt 1):630
Isolated unilateral adrenal hemorrhage after a motorcycle race. Hubens A, et al. **J Trauma** 1984 Aug;24(8):765–7
Brain damage in modern boxers. Casson IR, et al. **JAMA** 1984 May 25;251(20):2663–7
Does karate injure blood vessels of the hand? [letter] Vayssairat M, et al. **Lancet** 1984 Sep 1;2(8401):529
Martial-arts thyroiditis [letter] Blum M, et al. **N Engl J Med** 1984 Jul 19;311(3):199–200
Chronic repetitive trauma: a cause of atypical degenerative joint disease. Hellmann DB, et al. **Skeletal Radiol** 1983; 10(4):236–42
[Traumatic myocardial infarct in the sportsman] Bouchet G, et al. **Ann Cardiol Angeiol (Paris)** 1983 Jul–Sep;32(5):331–5 (Eng. Abstr.) **(Fre)**
[Post-traumatic osteolysis of the clavicle] Bannwarth B, et al. **Rev Rhum Mal Osteoartic** 1982 Jul–Sep;49(8–9):643–6 **(Fre)**
[Disk hernias and sports activities] Berney J. **Schweiz Z Sportmed** 1983 Dec;31(4):128–32 (Eng. Abstr.) **(Fre)**
[Bilateral wrist joint arthrosis in a figure skater] Weigert M, et al. **Handchir Mikrochir Plast Chir** 1984 Mar;16(1):56–8 (Eng. Abstr.) **(Ger)**
[Psychiatric consequences of boxing in light of the case of encephalopathy in a boxer] Dabkowski M. **Psychiatr Pol** 1984 Jan–Feb;18(1):69–72 **(Pol)**
[Etiology, clinical aspects and treatment of Mondor's disease in sportsmen] Greida BP, et al. **Sov Med** 1983;(8):101–3 **(Rus)**

DIAGNOSIS

Stress fracture of the mid-tibial shaft. Orava S, et al. **Acta Orthop Scand** 1984 Feb;55(1):35–7
Stress fracture of the humerus. A case study. Allen ME. **Am J Sports Med** 1984 May–Jun;12(3):244–5
The acute pivot shift: clinical correlation. Lucie RS, et al. **Am J Sports Med** 1984 May–Jun;12(3):189–91
Posterior compartment fractures of the ankle. A commonly missed athletic injury. Paulos LE, et al. **Am J Sports Med** 1983 Nov–Dec;11(6):439–43
Evulsion of the optic nerve in association with basketball injuries. Chow AY, et al. **Ann Ophthalmol** 1984 Jan; 16(1):35–7
Electrodiagnostic localization of traumatic upper trunk brachial plexopathy. Di Benedetto M, et al. **Arch Phys Med Rehabil** 1984 Jan;65(1):15–7
Patello-femoral arthralgia in athletes attending a Sports Injury Clinic. Devereaux MD, et al. **Br J Sports Med** 1984 Mar;18(1):18–21
Blunt injury of the radial and ulnar arteries in volley ball players. A report of three cases of the antebrachial-palmar hammer syndrome. Kostianen S, et al. **Br J Sports Med** 1983 Sep;17(3):172–6
Boxers' brains [letter] Pearce JM. **Br Med J [Clin Res]** 1984 Mar 24;288(6421):933–4
Diagnosis of recurrent traumatic anterior subluxation of the shoulder. Mizuno K, et al. **Clin Orthop** 1983 Oct; (179):160–7
Stress fractures in 51 runners. Sullivan D, et al. **Clin Orthop** 1984 Jul–Aug;(187):188–92
Foot and ankle problems in the preadolescent and adolescent athlete. Gregg JR, et al. **Clin Sports Med** 1982 Mar; 1(1):131–47
Overuse syndromes in young athletes. Harvey JS Jr. **Clin Sports Med** 1983 Nov;2(3):595–607
Knee injuries in skiing. Howe J, et al. **Clin Sports Med** 1982 Jul;1(2):277–88
Shoulder pain. Leach RE, et al. **Clin Sports Med** 1983 Mar; 2(1):123–35
Sports-related genitourinary injuries in children. Mandell J, et al. **Clin Sports Med** 1982 Nov;1(3):483–93
Upper extremity injuries in skiing. Mogan JV, et al. **Clin Sports Med** 1982 Jul;1(2):295–308
Ankle sprains in athletes. Nemeth VA, et al. **Clin Sports Med** 1983 Mar;2(1):217–24
Common hand injuries in the athlete. Ruby LK. **Clin Sports Med** 1983 Nov;2(3):609–29
Acute knee injuries in athletes. Zarins B, et al. **Clin Sports Med** 1983 Mar;2(1):149–66
ACute muscle and tendon injuries in athletes. Zarins B, et al. **Clin Sports Med** 1983 Mar;2(1):167–82
Use of a sports medicine clinic in a family practice residency. Davenport MP, et al. **J Fam Pract** 1984 Aug;19(2):225–8
Foot problems in athletes. Garfinkel D, et al. **J Fam Pract** 1984 Aug;19(2):239–50
Sternoclavicular epiphyseal separation with adjacent clavicular fracture. Lemire L, et al. **J Pediatr Orthop** 1984 Jan;4(1):118–20
'Tennis-arm': echotomographic confirmation. Commandre FA, et al. **J Sports Med Phys Fitness** 1983 Jun;23(2):191–3
Ultrasonography in the evaluation of muscular trauma. Fornage BD, et al. **J Ultrasound Med** 1983 Dec; 2(12):549–54
The diagnosis of stress fractures in athletes. Devereaux MD, et al. **JAMA** 1984 Jul 27;252(4):531–3
Real time sonography to diagnose soft-tissue sports injuries [letter] Laine H, et al. **Lancet** 1984 Jan 7;1(8367):55
The role of arthroscopy in the management of knee injuries in the athlete. Rand JA. **Mayo Clin Proc** 1984 Feb; 59(2):77–82
Anatomical factors associated with predicting plantar fasciitis in long-distance runners. Warren BL. **Med Sci Sports Exerc** 1984;16(1):60–3
Ankle injuries in the athlete. Weiker GG. **Primary Care** 1984 Mar;11(1):101–8
[The medial tibial stress syndrome] Boel J, et al. **Ugeskr Laeger** 1983 Dec 5;145(49):3831–2 (Eng. Abstr.) **(Dan)**
[Frequent injuries of the hand in athletes] Carlier A, et al. **Rev Med Liege** 1984 May 1;39(9):385–401 **(Fre)**
[Effect of heading in soccer on the head—a quantifying EEG study of soccer players] Kröss R, et al. **EEG EMG** 1983 Dec;14(4):209–12 (Eng. Abstr.) **(Ger)**
[Iliopsoas injury in soccer players] Mozes M, et al. **Harefuah** 1984 May 1;106(9):396–8 (Eng. Abstr.) **(Heb)**
[Maxillofacial injuries in sports: boxing] Borgogna E, et al. **Minerva Stomatol** 1984 Jan–Feb;33(1):203–7 (Eng. Abstr.) **(Ita)**
[Diagnosis of injuries of the meniscus of the knee joint] Drachuk PS. **Vestn Khir** 1983 Jul;131(7):101–2 **(Rus)**
[The effect of modern skiing equipment and accessories on the structure and risk of injuries] Medved R. **Lijec Vjesn** 1983 Jul–Aug;105(7–8):307–10 (Eng. Abstr.) **(Scr)**
[Knee injuries in skiers] Pećina M. **Lijec Vjesn** 1983 Jul–Aug; 105(7–8):311–3 (Eng. Abstr.) **(Scr)**
[Lesions in the inner ear of a diver] Rišavi A, et al. **Vojnosanit Pregl** 1983 Sep–Oct;40(5):371–4 **(Scr)**

DRUG THERAPY

The efficacy of depo-medrone in sports injuries. Boghemans J. **Acta Belg Med Phys** 1984 Apr–Jun;7(2):47–50
A multicentre comparison of piroxicam and indomethacin in acute soft tissue sports injuries. Edwards V, et al. **J Int Med Res** 1984;12(1):46–50
Current concepts in the role of steroids in the treatment of sprains and strains. Cox JS. **Med Sci Sports Exerc** 1984 Jun;16(3):216–8
Naproxen and aspirin in acute musculoskeletal disorders: a double-blind, parallel study in patients with sports injuries. Andersen LA, et al. **Pharmatherapeutica** 1984;3(8):531–7
A comparison between fenoprofen calcium and naproxen sodium in the treatment of soft tissue sports injuries. Mann PG. **Pharmatherapeutica** 1983;3(7):499–504
[Comparative double-blind study of Bi-Profenid and oxyphenbutazone in sports pathology] Commandré FA, et al. **Sem Hop Paris** 1983 Dec 12;59(46):3249–53 (Eng. Abstr.) **(Fre)**
[Experiences with Sportgel in the ambulatory treatment of athletic injuries] Isbary JW, et al. **Fortschr Med** 1983 Aug 4;101(29):1351–4 (Eng. Abstr.) **(Ger)**
[Ibuprofen in rheumatic, degenerative and traumatic disorders of the locomotor system. Local effects and tolerance] Pollter J. **Fortschr Med** 1983 Oct 27; 101(40):1840–3 (Eng. Abstr.) **(Ger)**
[Considerations on the use of piroxicam in patients with pathology caused by strain] Capitani D, et al. **Clin Ter** 1984 Apr 30;109(2):149–53 (Eng. Abstr.) **(Ita)**

ECONOMICS

[Athletic injuries in runners. Sick leave among elite runners] Linde F. **Ugeskr Laeger** 1984 Apr 9;146(15):1166–8 (Eng. Abstr.) **(Dan)**

ETIOLOGY

Overuse syndromes in runners. Lehman WL Jr. **Am Fam Physician** 1984 Jan;29(1):157–61
Achilles tendinitis and peritendinitis: etiology and treatment. Clement DB, et al. **Am J Sports Med** 1984 May–Jun; 12(3):179–84
Bilateral distal radius and ulnar shafts in adolescent weight lifters [letter] Herrick RT. **Am J Sports Med** 1983 Sep–Oct; 11(5):369
Musculoskeletal profile and incidence of musculoskeletal injuries in lightweight women rowers. Howell DW. **Am J Sports Med** 1984 Jul–Aug;12(4):278–82
Transchondral fracture of the dome of the talus sustained during weight training. Mannis CI. **Am J Sports Med** 1983 Sep–Oct;11(5):354–6
Anatomical relationship between the medial head of the gastrocnemius and the occurrence of a dystrophic bony lacuna. Husson JL, et al. **Anat Clin** 1984;6(1):37–43
Mandibular condyle fractures and the BMX bicycle [letter] Adlam DM. **Br Dent J** 1984 Jun 23;156(12):430
Bullworker fracture. Andrew TA, et al. **Br J Sports Med** 1984 Jun;18(2):126–7
Back pain in Grand Prix drivers [letter] Burton AK. **Br J Sports Med** 1983 Dec;17(4):150–1
Some cerebrovascular complications of exercise. Chester JF, et al. **Br J Sports Med** 1983 Dec;17(4):143–4
Frictional forces and ankle fractures in sport. Menck H, et al. **Br J Sports Med** 1983 Dec;17(4):135–6
Transection of the popliteal artery whilst trampolining. Williams JP. **Br J Sports Med** 1983 Dec;17(4):147–9
Are spinal injuries more common in rugby union than in rugby league football? [letter] Patel MK, et al. **Br Med J [Clin Res]** 1984 Apr 28;288(6426):1308

Injuries of the spine sustained in rugby. Silver JR. **Br Med J [Clin Res]** 1984 Jan 7;288(6410):37–43
Biomechanics of the musculotendinous unit: relation to athletic performance and injury. Ciullo JV, et al. **Clin Sports Med** 1983 Mar;2(1):71–86
Skiing and spinal trauma. Frymoyer JW, et al. **Clin Sports Med** 1982 Jul;1(2):309–18
Otolaryngologic injuries. Handler SD, et al. **Clin Sports Med** 1982 Nov;1(3):431–47 (10 ref.)
The biomechanics of tibial shaft and knee injuries. Pope MH. **Clin Sports Med** 1982 Jul;1(2):229–39
Soft tissue conditions in athletes' feet. Sammarco GJ. **Clin Sports Med** 1982 Mar;1(1):149–55
Intramuscular pressures in exercise-induced lower leg pain. Wallensten R, et al. **Int J Sports Med** 1984 Feb;5(1):31–5
Shoulder injuries in the javelin thrower. Sing RF. **J Am Osteopath Assoc** 1984 May;83(9):680–4
Quadriplegia following rugby football injury. Lamid S, et al. **J Am Paraplegia Soc** 1984 Jan;7(1):12–4
Isokinetic muscle imbalance and knee-joint injuries. A prospective blind study. Grace TG, et al. **J Bone Joint Surg [Am]** 1984 Jun;66(5):734–40
Peroneus longus tendinitis: a possible biomechanical etiology. Jackson MA, et al. **J Foot Surg** 1982 Winter;21(4):344–8
Spiral fracture of the distal tibia: an unusual stress fracture. Spector FC, et al. **J Foot Surg** 1983 Winter;22(4):358–61
Ocular problems in mountaineering. Ghosh A, et al. **J Indian Med Assoc** 1983 Apr;80(7–8):98–100
Rupture of the diaphragm in a wrestling match. McCormack DL, et al. **J Iowa Med Soc** 1983 Oct;73(10):406–8
Posture and participation in sport. Watson AW. **J Sports Med Phys Fitness** 1983 Sep;23(3):231–9
Roller skating accidents and injuries. Sedlin ED, et al. **J Trauma** 1984 Feb;24(2):136–9
Fatigue fracture of the ulna. Case report. Inoue H, et al. **Kurume Med J** 1983;30(4):143–7
Overuse injuries of the lower extremities associated with marching, jogging, and running: a review. Jones BH. **Milit Med** 1983 Oct;148(10):783–7
Water-ski spill and partial avulsion of the uterine cervix [letter] Kuntz WD. **N Engl J Med** 1983 Oct 20;309(16):990
'Jogger's testicles' in marathon runners [letter] Adno J. **S Afr Med J** 1984 Jun 30;65(26):1036
The 'double tackle'—another cause of serious cervical spinal injury in rugby players. Case reports. Scher AT. **S Afr Med J** 1983 Oct 1;64(15):595–6
Rugby injuries to the cervical spinal cord sustained during rucks and mauls. Case reports. Scher AT. **S Afr Med J** 1983 Oct 1;64(15):592–4
Rugby injuries of the upper cervical spine. Case reports. Scher AT. **S Afr Med J** 1983 Sep 17;64(12):456–8
Swimming and diving accidents and spinal cord injury [letter] Scher AT. **S Afr Med J** 1983 Dec 10;64(25):966–7
[Windsurfing, free-style wave jumping: pathology] Dutoit M, et al. **LARC Med** 1984 Feb;4(2):115–6 **(Fre)**
[Eye injuries in windsurfing (letter)] Colin J, et al. **Presse Med** 1984 Feb 4;13(4):224 **(Fre)**
[Spinal injuries with neurological signs while practicing a sport] Depassio J, et al. **Sem Hop Paris** 1983 Dec 8; 59(45):3131–5 (Eng. Abstr.) **(Fre)**
[Causes of accidents and injuries in cross-country skiing] Burger H, et al. **Aktuel Traumatol** 1984 Feb;14(1):5–7 (Eng. Abstr.) **(Ger)**
[Eye injuries caused by winter sports] Janka C, et al. **Fortschr Ophthalmol** 1984;81(1):71–2 (Eng. Abstr.) **(Ger)**
[Childhood accidents in play and sports] Klimt F. **Monatsschr Kinderheilkd** 1984 Jun;132(6):341–4 **(Ger)**
[Joint instability and sports. Etiologic aspects of the femoro-patellar pain syndrome] Dubs L. **Orthopade** 1984 Jan;13(1):46–51 **(Ger)**
[Etiology of sports injuries and sport-induced lesions] Segesser B. **Praxis** 1983 Dec 6;72(49):1541–3 (Eng. Abstr.) **(Ger)**
[Etiology of reversible and irreversible athletic injuries] Segesser B. **Schweiz Z Sportmed** 1983 Sep;31(3):81–6 (Eng. Abstr.) **(Ger)**
[Biochemical aspects in the assessment of torsion fractures of the tibia in Alpine ski-sport] Menke W, et al. **Unfallheilkunde** 1983 Jul;86(7):337–40 (Eng. Abstr.) **(Ger)**
[Risk of brain injury from soccer header] Schneider K. **Unfallheilkunde** 1984 Jan;87(1):40–2 (Eng. Abstr.) **(Ger)**
[Leisure activity accidents in childhood—roller skating, bicycling and skateboard injuries] Schütze U, et al. **Z Kinderchir** 1983 Apr;38 Suppl:44–7 (Eng. Abstr.) **(Ger)**
[Maxillodentofacial pathology and traumatology in skin diving and wind surfing] Re G, et al. **Minerva Stomatol** 1984 Mar–Apr;33(2):375–6 (Eng. Abstr.) **(Ita)**
[Traumatic maxillofacial lesions in rugby, soccer and horseback riding] Re G, et al. **Minerva Stomatol** 1984 May–Jun;33(3):533–5 (Eng. Abstr.) **(Ita)**
[Traumatic rupture of the testis] Musierowicz A, et al. **Wiad Lek** 1984 Feb 1;37(3):227–9 (Eng. Abstr.) **(Pol)**

METABOLISM

CK and CK-MB in skeletal muscle of athletes and in serum after thoracic contusion in sport. Kettunen P, et al. **J Sports Med Phys Fitness** 1984 Mar;24(1):21–5

MORTALITY

Mortality and morbidity from injuries in sports and recreation. Kraus JF, et al. **Annu Rev Public Health** 1984; 5:163–92 (97 ref.)

OCCURRENCE

High school athletic injuries—a coaches' and physicians' dilemma. deShazo WF 3d. **Ala Med** 1983 Aug;53(2):21–2
Concussion incidences and severity in secondary school varsity football players. Gerberich SG, et al. **Am J Public Health** 1983 Dec;73(12):1370–5
Relation of football injuries to exposure time [letter] Schor SS. **Am J Public Health** 1984 Oct;74(10):1169–71
Downhill skiing injuries in children. Blitzer CM, et al. **Am J Sports Med** 1984 Mar–Apr;12(2):142–7
Posttraumatic sports-related musculoskeletal abnormalities: prevalence in a normal population. Raskin RJ, et al. **Am J Sports Med** 1983 Sep–Oct;11(5):336–9
Karate: historical perspective and injuries sustained in national and international tournament competitions. Stricevic MV, et al. **Am J Sports Med** 1983 Sep–Oct; 11(5):320–4
Sports injuries during one academic year in 6799 Irish school children. Watson AW. **Am J Sports Med** 1984 Jan–Feb; 12(1):65–71
Slow-pitch softball injuries. Wheeler BR. **Am J Sports Med** 1984 May–Jun;12(3):237–40
Australian Rules football injuries. Quinn NW. **Aust Fam Physician** 1983 Sep;12(9):691–2, 694
Eye injuries in organised sport in a rural area. Kelly S, et al. **Br J Ophthalmol** 1983 Dec;67(12):837–9
Attendances at a casualty department for sport related injuries. Bedford PJ, et al. **Br J Sports Med** 1984 Jun; 18(2):116–21
The 1982 epidemic—roller skating injuries. Bunker TD. **Br J Sports Med** 1983 Sep;17(3):205–7
Medical implications of ultra marathon running: observations on a six day track race. Hutson MA. **Br J Sports Med** 1984 Mar;18(1):44–5
Epidemiology of injuries in typical Scandinavian team sports. Jørgensen U. **Br J Sports Med** 1984 Jun;18(2):59–63
Incidence of training-related injuries among marathon runners. Maughan RJ, et al. **Br J Sports Med** 1983 Sep; 17(3):162–5
Drownings, other aquatic injuries and young Canadians. MacLachlan J. **Can J Public Health** 1984 May–Jun; 75(3):218–22
National survey of spinal injuries in hockey players. Tator CH, et al. **Can Med Assoc J** 1984 Apr 1;130(7):875–80
Cross-country ski injuries. Clancy WG Jr. **Clin Sports Med** 1982 Jul;1(2):333–8
Epidemiologic perspective. Garrick JG. **Clin Sports Med** 1982 Mar;1(1):13–8
Alpine ski injuries: changes through the years. Johnson RJ, et al. **Clin Sports Med** 1982 Jul;1(2):181–97
Skiing injuries in children. Moreland MS. **Clin Sports Med** 1982 Jul;1(2):241–51
Epidemiology of sports injuries in children. Mueller F, et al. **Clin Sports Med** 1982 Nov;1(3):343–52 (21 ref.)
Skiing injuries in children and adults: a comparative study from an 8-year period. Ungerholm S, et al. **Int J Sports Med** 1983 Nov;4(4):236–40
Adolescent running injuries. Paty JG Jr, et al. **J Adolesc Health Care** 1984 Apr;5(2):87–90
Surfboard-riding injuries [letter] **Med J Aust** 1984 Apr 28; 140(9):562–3
Surfboard-riding injuries. Lowdon BJ, et al. **Med J Aust** 1983 Dec 10–24;2(12):613–6
Skiing injuries in Australia. Sherry E. **Med J Aust** 1984 Apr 28;140(9):530–1
Medical history associated with adolescent powerlifting. Brown EW, et al. **Pediatrics** 1983 Nov;72(5):636–44
An epidemiologic study of upper extremity injury in tennis players with a particular reference to tennis elbow. Hang YS, et al. **Taiwan I Hsueh Hui Tsa Chih** 1984 Mar; 83(3):307–16
Preliminary report—sports injury clinic. Dowey KE. **Ulster Med J** 1984;53(1):88–92
[Soccer injuries in old boys' games] Hinge HH, et al. **Ugeskr Laeger** 1984 Apr 16;146(16):1253–6 (Eng. Abstr.) **(Dan)**
[Isolated bicycle accidents] Jensen CH. **Ugeskr Laeger** 1983 Sep 19;145(38):2957–60 (Eng. Abstr.) **(Dan)**
[Training injuries of the lower limbs in recruits] Pedersen JJ, et al. **Ugeskr Laeger** 1984 Apr 9;146(15):1168–71 (Eng. Abstr.) **(Dan)**
[Sports injuries in children. Epidemiologic study] Du Boullay CT, et al. **Chir Pediatr** 1984;25(3):125–35 (Eng. Abstr.) **(Fre)**
[Prevalence of wounds and disease during the Quebec Games] Lavallée H, et al. **Union Med Can** 1984 Mar; 113(3):209–10, 212–6 (Eng. Abstr.) **(Fre)**
[The changing picture of ski accidents. Evaluation of ski injuries during the 1981/1982 Winter in Bavaria] Forster H, et al. **Aktuel Traumatol** 1984 Feb;14(1):1–4 (Eng. Abstr.) **(Ger)**
[Tennis-specific injuries and lesions of the lower extremity] Paulsen J, et al. **MMW** 1984 Feb 3;126(5):106–8 (Eng. Abstr.) **(Ger)**
[Heberden arthroses in judo athletes] Frey A, et al. **Schweiz Med Wochenschr** 1984 Jan 14;114(2):40–7 (Eng. Abstr.) **(Ger)**
[Sport injuries in soccer goal-keepers] Berbig R, et al. **Schweiz Z Sportmed** 1983 Sep;31(3):73–9 (Eng. Abstr.) **(Ger)**
[Incidence of maxillofacial injuries in sports] Borgogna E, et al. **Minerva Stomatol** 1983 Nov–Dec;32(6):875–7 (Eng. Abstr.) **(Ita)**
[Bicycles and head injuries. A prospective study from Trøndelag 1979–1980] Cappelen J, et al. **Tidsskr Nor Laegeforen** 1983 Jun 20;103(17–18):1376–8 (Eng. Abstr.) **(Nor)**
[Skiing injuries among Norwegians and Swedes] Ekeland A. **Tidsskr Nor Laegeforen** 1983 Sep 10;103(25):1741–3 (Eng. Abstr.) **(Nor)**
[Analysis of athletic injuries and the cost to society at a northern health care region. Soccer is the cause of most of the injuries but badminton is the most expensive] Lorentzon R, et al. **Lakartidningen** 1984 Feb 1;81(5):340–3 **(Swe)**

PATHOLOGY

Quadriceps atrophy in the anterior cruciate insufficient knee. Baugher WH, et al. **Am J Sports Med** 1984 May–Jun; 12(3):192–5
Histochemical correlates of hamstring injuries. Garrett WE Jr, et al. **Am J Sports Med** 1984 Mar–Apr;12(2):98–103
Morphological changes in brains of boxers. Lampert PW, et al. **JAMA** 1984 May 25;251(20):2676–9
[Tibial anterior syndrome or compartment syndrome. An acute treatment—demanding condition] Andersen CB, et al. **Ugeskr Laeger** 1984 Apr 9;146(15):1134–6 (Eng. Abstr.) **(Dan)**
[Traumatic pulmonary evisceration in a child. Apropos of 2 cases] Petel B, et al. **Chir Pediatr** 1984;25(2):79–82 (Eng. Abstr.) **(Fre)**
[The synovial fold syndrome—a manifestation of overloading in the knee area] Jenoure P, et al. **Schweiz Z Sportmed** 1983 Sep;31(3):99–101 (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Factors affecting stabilometry recordings of single limb stance. Tropp H, et al. **Am J Sports Med** 1984 May–Jun; 12(3):185–8
Brachial plexus stretch injury. Archambault JL. **J Am Coll Health** 1983 Jun;31(6):256–60
Field measurements in snow skiing injury research. Kuo CY, et al. **J Biomech** 1983;16(8):609–24
Regional blood flow in boxers [letter] Rodriguez G, et al. **Lancet** 1983 Oct 8;2(8354):858
The regeneration of skeletal muscle fibers following injury: a review. Carlson BM, et al. **Med Sci Sports Exerc** 1983; 15(3):187–98 (109 ref.)
Soccer injuries and their mechanisms: a prospective study. Ekstrand J, et al. **Med Sci Sports Exerc** 1983;15(3):267–70
Arm cranking and wheelchair ergometry in elite spinal cord-injured athletes. Wicks JR, et al. **Med Sci Sports Exerc** 1983;15(3):224–31
[Dynamic and static stress of the spine and its possible effects in various types of sport] Güssbacher A, et al. **Schweiz Z Sportmed** 1983 Dec;31(4):119–24 (Eng. Abstr.) **(Ger)**
[Status of microcirculation and peripheral circulation in patients with sports injuries] Malova MN, et al. **Ortop Travmatol Protez** 1983 Oct;(10):39–43 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

An investigation of the shoe-turf interface using different types of shoes on Poly-Turf and Astro-Turf: torque and release coefficients. Culpepper MI, et al. **Ala J Med Sci** 1983 Oct;20(4):387–90
Heat illness in the athlete. Murphy RJ. **Am J Sports Med** 1984 Jul–Aug;12(4):258–61
Impact performance of bicycle helmets. Bishop PJ, et al. **Can J Appl Sport Sci** 1984 Jun;9(2):94–101
Ophthalmologic injuries. Diamond GR, et al. **Clin Sports Med** 1982 Nov;1(3):469–82
The state of the art in preventing equipment-related Alpine ski injuries. Ettlinger CF, et al. **Clin Sports Med** 1982 Jul; 1(2):199–207
The preparticipation examination of the child athlete. Harvey J. **Clin Sports Med** 1982 Nov;1(3):353–69
Dental problems in athletes. Kerr L. **Clin Sports Med** 1983 Mar;2(1):115–22
Mouth protectors and sports team dentists. Bureau of Health Education and Audiovisual Services, Council on Dental Materials, Instruments, and Equipment. Powers JM, et al. **J Am Dent Assoc** 1984 Jul;109(1):84–7
Prevention in boxing [editorial] La Cava G. **J Sports Med Phys Fitness** 1983 Dec;23(4):361–3
Racquet ear [letter] Davis JA, et al. **JAMA** 1984 Jun 15; 251(23):3081
Assessment of ocular protection for racquetball. Feigelman MJ, et al. **JAMA** 1983 Dec 23–30;250(24):3305–9
Sports eye injuries. A model for prevention [editorial] Vinger P, et al. **JAMA** 1983 Dec 23–30;250(24):3322–3
Cervical spine injuries and Rugby Union [editorial] **Lancet** 1984 May 19;1(8386):1108
Principles: prevention, rehabilitation, protection. Finke R. **Minn Med** 1983 Oct;66(10):637–40
Prevention and treatment of sports injuries. Greene JC.

Nurse Pract 1983 Nov–Dec;8(10):39–40, 44, 80
Ophthalmologic injuries. Diamond GR, et al. Primary Care 1984 Mar;11(1):161–74
[Head injuries in childhood caused by skiing and their optimal prevention] Oh S, et al. Z Kinderchir 1983 Apr;38(2):66–72 (Eng. Abstr.) (Ger)
[The importance of vision and the health status of the eye in sports and physical education] Pavlić Z. Liječ Vjesn 1984 Jun;106(6):264–6 (Eng. Abstr.) (Scr)

PSYCHOLOGY

[Sports injuries and sport-induced lesions] Segesser B. Praxis 1983 Dec 6;72(49):1539–40 (Ger)

RADIOGRAPHY

Anterior tibial striations. Daffner RH. AJR 1984 Sep; 143(3):651–3
Roentgenographic skeletal injury patterns in parachute jumping. Petras AF, et al. Am J Sports Med 1983 Sep–Oct; 11(5):325–8
Detection of intraarticular loose osteochondral fragments by double-contrast wrist arthrography. A case report of a basketball injury. Tehranzadeh J, et al. Am J Sports Med 1984 Jan–Feb;12(1):77–9
Anterior dislocation of the acromioclavicular joint. Nieminen S, et al. Ann Chir Gynaecol 1984;73(1):21–4
Spinal injuries due to hockey. Tator CH, et al. Can J Neurol Sci 1984 Feb;11(1):34–41
The spectrum of musculoskeletal stress injury. Keats TE. Curr Probl Diagn Radiol 1984 Mar–Apr;13(2):7–51
A tarsal stress fracture in a long-distance runner. A case report. Campbell G, et al. J Am Podiatry Assoc 1983 Oct; 73(10):532–5
[Fatigue fracture of the leg in runners] Vuilleumier B, et al. Schweiz Z Sportmed 1983 Sep;31(3):95–8 (Eng. Abstr.) (Fre)
[Diagnosis and therapy of fibular ligament injuries in the ankle joint in children] Klotter HJ, et al. Aktuel Traumatol 1983 Dec;13(6):217–21 (Eng. Abstr.) (Ger)
[Roentgen morphology of sport injuries to the pelvic apophyses] Heuck F. Radiologe 1983 Sep;23(9):404–13 (Eng. Abstr.) (Ger)
[Computer tomography of sports injuries] Reiser M, et al. Radiologe 1984 Jan;24(1):40–5 (Eng. Abstr.) (Ger)
[Arthrography following sport injuries to the knee joint] Schäfer H. Radiologe 1983 Sep;23(9):414–20 (Eng. Abstr.) (Ger)
[Winter sport injuries to the carotid artery] Stampfel G. Radiologe 1983 Sep;23(9):426–30 (Eng. Abstr.) (Ger)
[Foot pain in a hurdler] Wimmer B. Radiologe 1983 Sep; 23(9):431–2 (Ger)
[Use of radiological diagnosis in sport injuries and lesions] Wirth CJ, et al. Radiologe 1983 Sep;23(9):389–403 (Eng. Abstr.) (Ger)
[Aseptic osteochondronecrosis of the ischial tuberosity as a form of sports injury] Soós A, et al. ROFO 1984 Jun; 140(6):740–1 (Ger)
[Deep leg vein thrombosis during skiing. A case report] Schöbi R, et al. Schweiz Med Wochenschr 1983 Oct 1; 113(39):1402–3 (Eng. Abstr.) (Ger)
[Extensive diagnostic procedures in lumbar pain in sportsmen] Sowiński J, et al. Chir Narzadow Ruchu Ortop Pol 1983;48(4):379–83 (Eng. Abstr.) (Pol)
[Lumbar intervertebral disk herniation in adolescents] Lechowski S, et al. Neurol Neurochir Pol 1984 Jan–Feb; 18(1):37–41 (Eng. Abstr.) (Pol)

RADIONUCLIDE IMAGING

Scintigraphy in trauma and the 'limping syndrome'. Stockland L. Clin Nucl Med 1984 Jan;9(1):39–40
The specific scintigraphic pattern of 'shin splints in the lower leg': concise communication. Holder LE, et al. J Nucl Med 1984 Aug;25(8):865–9
Scintigraphic diagnosis of stress-induced incomplete fractures of the proximal tibia. Collier BD, et al. J Trauma 1984 Feb;24(2):156–60

REHABILITATION

The nonoperative treatment of grade I and II medial collateral ligament injuries to the knee. Holden DL, et al. Am J Sports Med 1983 Sep–Oct;11(5):340–4
Perspective on ski fractures of the leg and ankle. Seligson D. Clin Sports Med 1982 Jul;1(2):253–62
Back injuries in the athlete. Spencer CW 3d, et al. Clin Sports Med 1983 Mar;2(1):191–215
Rehabilitation of skiing injuries. Steadman JR. Clin Sports Med 1982 Jul;1(2):289–94
Current concepts in the rehabilitation of the injured athlete. Scott SG. Mayo Clin Proc 1984 Feb;59(2):83–90
Physiotherapy for sports injuries of the knee. Riddell AJ. Physiotherapy 1984 Apr;70(4):157–60
World cup hockey. Whitney S. Physiotherapy 1983 Nov; 69(11):390–2
Rehabilitation and return to activity after sports injuries. Long JP. Primary Care 1984 Mar;11(1):137–50

SURGERY

Stress fracture of the fifth metatarsal. DeLee JC, et al. Am J Sports Med 1983 Sep–Oct;11(5):349–53
Anterior cruciate ligament reconstruction with a loop or double thickness of semitendinosus tendon. Ellera Gomes JL, et al. Am J Sports Med 1984 May–Jun;12(3):199–203
Lateral reconstruction for anterolateral rotatory instability of the knee. Fleming RE Jr, et al. Am J Sports Med 1983 Sep–Oct;11(5):303–7
Partial calcaneal ostectomy for retrocalcaneal bursitis. Jones DC, et al. Am J Sports Med 1984 Jan–Feb;12(1):72–3
Arthroscopic meniscectomy in athletes. Lysholm J, et al. Am J Sports Med 1983 Nov–Dec;11(6):436–8
The Magnuson–Stack procedure for treatment of recurrent glenohumeral dislocations. Miller LS, et al. Am J Sports Med 1984 Mar–Apr;12(2):133–7
Meniscal tears and associated anterior cruciate ligament tears in athletes: course of treatment. Puddu G, et al. Am J Sports Med 1984 May–Jun;12(3):196–8
Repair and reconstruction of rotatory instability of the knee. Simonet WT, et al. Am J Sports Med 1984 Mar–Apr; 12(2):89–97
Anterior cruciate ligament insufficiency syndrome. Halperin N, et al. Clin Orthop 1983 Oct;(179):179–84
Operative management of ligamentous injuries to the ankle. Brand RL, et al. Clin Sports Med 1982 Mar;1(1):117–30
Ipsilateral dual sesamoid injury. A case report. Goldman F. J Am Podiatry Assoc 1984 Apr;74(4):187–91
'Rugby finger'—avulsion of profundus of ring finger. Lunn PG, et al. J Hand Surg [Br] 1984 Feb;9(1):69–71
Spontaneous rupture of both flexor tendons in a single digit. Matthews RN, et al. J Hand Surg [Br] 1984 Jun;9(2):134–6
Knee meniscal repair. Wirtz PD. J Iowa Med Soc 1983 Aug; 73(8):312–3
Repair of shattered solitary testicle. Goldman MS. Urology 1984 Sep;24(3):229–31
[Sports injuries and surgery of the hand] Nigst H. Schweiz Rundsch Med Prax 1984 May 8;73(19):599–60 (Ger)
[Subcutaneous ruptures of the Achilles tendon. Follow-up results according to standardized procedure] Gebert L, et al. Unfallheilkunde 1983 Dec;86(12):525–30 (Eng. Abstr.) (Ger)
[Remote results of the surgical treatment of subcutaneous rupture of the Achilles tendon] Mironova ZS, et al. Vestn Khir 1984 Mar;132(3):117–8 (Rus)
[Acute ligament injuries of the knee—diagnosis and treatment] Eriksson E. Lakartidningen 1984 Mar 28; 81(13):1261–3 (Swe)

THERAPY

The effect of diagnostic and operative arthroscopy and open meniscectomy on muscle strength in the thigh. Hamberg P, et al. Am J Sports Med 1983 Sep–Oct;11(5):289–92
Skiing orthosis for recurrent shoulder dislocation. Metheny JA. Am J Sports Med 1984 Jan–Feb;12(1):82–3
Podiatry and the sports physician—an evaluation of orthoses. Sperryn PN, et al. Br J Sports Med 1983 Dec;17(4):129–34
Overuse syndromes of the lower extremity. Andrews JR. Clin Sports Med 1983 Mar;2(1):137–48
Adhesive strapping techniques. Bonci CM. Clin Sports Med 1982 Mar;1(1):99–116
Brain and cervical spine injuries occurring during organized sports activities in children and adolescents. Bruce DA, et al. Clin Sports Med 1982 Nov;1(3):495–514 (75 ref.)
Dental and maxillofacial injuries. Hildebrandt JR. Clin Sports Med 1982 Nov;1(3):449–68 (48 ref.)
Nonoperative management of athletic ankle injuries. Vegso JJ, et al. Clin Sports Med 1982 Mar;1(1):85–98
Non-operative treatment of severe injuries to the medial and anterior cruciate ligaments of the knee. Jokl P, et al. J Bone Joint Surg [Am] 1984 Jun;66(5):741–4
Injuries to the cervical spine in schoolboys playing rugby football. Horan FT. J Bone Joint Surg [Br] 1984 Aug; 66(4):470–1
Injuries of the cervical spine in schoolboy rugby football. McCoy GF, et al. J Bone Joint Surg [Br] 1984 Aug; 66(4):500–3
Thoracic and abdominal injuries in skiers: the role of air evacuation. Jurkovich GJ, et al. J Trauma 1983 Sep; 23(9):844–8
Symposium on sports medicine [editorial] Henderson ED. Mayo Clin Proc 1984 Feb;59(2):126
Femoral fracture in children (a prospective study of two hundred and four fractures). Izhar-Ul-Haque, et al. Med J Zambia 1982 May–Jul;16(3):51–3
Low back pain in the athlete. From spondylogenic injury during recreation or competition. Keene JS. Postgrad Med 1983 Dec;74(6):209–12, 213, 217
Traumatic and orthopaedic conditions in adolescents. Kay NR. Practitioner 1984 May;228(1391):473–7
Shoulder injuries in the athlete. Anderson TE. Primary Care 1984 Mar;11(1):129–36
Brain and cervical spine injuries occurring during organized sports activities in children and adolescents. Bruce DA, et al. Primary Care 1984 Mar;11(1):175–94
Nonligamentous problems of the athlete's knee. Cabaud HE. Primary Care 1984 Mar;11(1):89–100
The concept of overuse. The primary care aspects of overuse syndromes in sports. McKeag DB. Primary Care 1984 Mar; 11(1):43–59
The nature and response to therapy of 196 consecutive injuries seen at a runners' clinic. Pinshaw R, et al. S Afr Med J 1984 Feb 25;65(8):291–8
Current status and treatment of tennis elbow. Kohn HS. Wis Med J 1984 Mar;83(3):18–9
[Minor complaints; whiplash or tennis leg] Mulder Dzn JD, et al. Ned Tijdschr Geneeskd 1983 Aug 13;127(33):1496–8 (Dut)
[Brain injuries in skiers] Strohecker J, et al. Wien Med Wochenschr 1984 Jan 15;134(1):11–3 (Eng. Abstr.) (Ger)

ATHLETICS see SPORTS

ATLANTO-AXIAL JOINT

Atlanto-axial dislocation in an 18-year-old female with Yersinia arthritis. Vilppula AH, et al. Clin Rheumatol 1984 Jun;3(2):239–41
Acute traumatic rotatory atlanto-axial dislocation in children. A report of three cases. El-Khoury GY, et al. J Bone Joint Surg [Am] 1984 Jun;66(5):774–7
The pharyngovertebral veins: an anatomical rationale for Grisel's syndrome. Parke WW, et al. J Bone Joint Surg [Am] 1984 Apr;66(4):568–74
Atlanto-axial instability and spinal cord compression in children—diagnosis by computerized tomography. Roach JW, et al. J Bone Joint Surg [Am] 1984 Jun;66(5):708–14
American Academy of Pediatrics. Committee on Sports Medicine. Atlantoaxial instability in Down Syndrome. Pediatrics 1984 Jul;74(1):152–4
[Rotary fixation of the atlantoaxial joint] Wang ZZ. Chung Hua Fang She Hsueh Tsa Chih 1983 Nov;17(4):281–2 (Eng. Abstr.) (Chi)
[Atlanto-axial dislocation in Yersinia arthritis] Jussila T, et al. Duodecim 1984;100(10):620–2 (Fin)
[Atlanto-axial dislocations in children] Harouchi A, et al. Chir Pediatr 1984;25(3):136–44 (Eng. Abstr.) (Fre)

ABNORMALITIES

Modern treatment of the symptomatic os odontoideum. Roosen C, et al. Neurosurg Rev 1983;6(4):229–33
Congenital atlanto-axial dislocation. Sinh G. Neurosurg Rev 1983;6(4):211–20

ANATOMY & HISTOLOGY

Atlantodental interval in Thais: a survey based on 400 normal cervical spine. Khanjanasthiti P, et al. J Med Assoc Thai 1983 Sep;66(9):503–8

INJURIES

Atlanto-axial dislocation with brain atrophy and edema: an autopsy report. Shinohara H, et al. Anat Clin 1984; 6(1):17–20
Erosive rheumatoid arthritis co-existing with systemic lupus erythematosus. A report of a case, also showing atlanto-axial subluxation. Isenberg DA, et al. Clin Rheumatol 1982 Sep;1(3):216–20
Rotatory dislocation of both atlanto-axial joints. Jones RN. J Bone Joint Surg [Br] 1984 Jan;66(1):6–7
Case report 244. Down syndrome (trisomy 21). Kleinman PK. Skeletal Radiol 1983;10(3):192–5
Atlantoaxial rotary fixation. Report of a case with massive displacement. Akbarnia BA, et al. Spine 1983 Nov–Dec; 8(8):907–10
[Congenital anomaly of the craniovertebral junction associated with chronic atlanto-axial dislocation] Dai XZ. Chung Hua Wai Ko Tsa Chih 1983 Sep;21(9):550–1 (Eng. Abstr.) (Chi)
[Rotational atlanto-axial subluxation in children] Kaplan O, et al. Harefuah 1984 Feb 1;106(3):115–6 (Eng. Abstr.) (Heb)
[Surgery of atlanto-axial dislocation] Tomonaga M. No Shinkei Geka 1983 Dec;11(12):1239–45 (Jpn)
[Pseudo-achondroplasia associated with atlanto-axial dislocation] Kuzume K, et al. No To Hattatsu 1983 Nov; 15(6):507–11 (Eng. Abstr.) (Jpn)
[Case of posterior atlanto-axial dislocation in rheumatoid arthritis] Tada S. Rinsho Hoshasen 1983 Sep;28(9):1021–2 (Jpn)

INNERVATION

Neurophysiological assessment of the somatosensory pathway in rheumatic patients with atlanto-axial subluxation. Schoenhuber R, et al. Electromyogr Clin Neurophysiol 1984 Mar–Apr;24(3):213–6
Neck tongue syndrome: operative management. Elisevich K, et al. J Neurol Neurosurg Psychiatry 1984 Apr;47(4):407–9

PATHOLOGY

Lateral subluxation of the atlas in rheumatoid arthritis: a case report and post-mortem study. Bogduk N, et al. Ann Rheum Dis 1984 Apr;43(2):341–6

RADIOGRAPHY

Differential diagnosis and radiological work-up in bilateral lateral atlantoaxial offset. Prager PJ. Eur J Radiol 1983 Nov;3(4):309–13
Posterior fossa ependymal cyst and atlantoaxial subluxation in a patient with Down syndrome: CT findings. Wang AM, et al. J Comput Assist Tomogr 1984 Aug;8(4):783–7
Fusion of the lateral joints in fixed atlantoaxial dislocation: a computed tomography demonstration. Rafii M, et al.

J Comput Tomogr 1984 Jul;8(3):203–6
Syndesmo–odontoid joint and calcium pyrophosphate dihydrate deposition disease (CPPD). Dirheimer Y, et al. Neuroradiology 1983;25(5):319–21

SURGERY

Fusion of the cervical spine for instability. Glynn MK, et al. Clin Orthop 1983 Oct;(179):97–101
Transoral atlantoaxial anterior decompression and fusion. Sakou T, et al. Clin Orthop 1984 Jul–Aug;(187):134–8
A new operation for atlanto–axial arthrodesis. Mitsui H. J Bone Joint Surg [Br] 1984 May;66(3):422–5
Experience of posterior surgery in atlanto–axial instability. Lee PC, et al. Spine 1984 Apr;9(3):231–9
Atlantoaxial arthrodesis in the presence of posterior spondyloschisis (bifid arch) of the atlas. A report of three cases and an evaluation of alternative wiring techniques by computerized tomography. Lipson SJ, et al. Spine 1984 Jan–Feb;9(1):65–9

ATLANTO–OCCIPITAL JOINT

ABNORMALITIES

Multiple meningiomas of the cervical spinal cord associated with Klippel–Feil malformation and atlantooccipital assimilation. Holliday PO 3d, et al. Neurosurgery 1984 Mar; 14(3):353–7

INJURIES

Atlanto–occipital dislocation in rheumatoid arthritis. Redlund–Johnell I. Acta Radiol [Diagn] (Stockh) 1984; 25(3):165–8
Computed tomography of traumatic atlantooccipital dislocation. Gerlock AJ Jr, et al. Neurosurgery 1983 Sep; 13(3):316–9

RADIOGRAPHY

Case report 277. Occipitalization of the atlas with severe cord compression. Malhotra V, et al. Skeletal Radiol 1984; 12(1):55–8

ATLAS

Lateral subluxation of the atlas in rheumatoid arthritis: a case report and post–mortem study. Bogduk N, et al. Ann Rheum Dis 1984 Apr;43(2):341–6
[Rotatory subluxation of the atlas after tonsillectomy] Perricone G, et al. Chir Organi Mov 1982–83;68(2):261–5 (Eng. Abstr.) (Ita)

ABNORMALITIES

Hemiaplasia of the posterior atlantic arch with a low–lying posterior tubercle. Raininko R, et al. Eur J Radiol 1984 Feb;4(1):4–5
Indications and technique for the operative treatment of hypoplastic deformities of the odontoid process. Karimi–Nejad A. Neurosurg Rev 1983;6(4):221–7
Microscopic decompression of the anterior upper cervical spine: a case of odontoid malunion to the atlas. Miller J, et al. Neurosurgery 1984 May;14(5):583–7
Fusion of the anterior arch of the atlas and dens. Olbrantz K, et al. Skeletal Radiol 1984;12(1):21–2
Bilateral partial aplasia of the atlas definitive treatment by bilateral anterior C1–C2 buttress fusion. Jacobs RR, et al. Spine 1983 Jul–Aug;8(5):558–9
Atlantoaxial arthrodesis in the presence of posterior spondyloschisis (bifid arch) of the atlas. A report of three cases and an evaluation of alternative wiring techniques by computerized tomography. Lipson SJ, et al. Spine 1984 Jan–Feb;9(1):65–9
Trauma to anomalous cervical spine. Weisz GM. Spine 1983 Apr;8(3):225–7
[Occipitalization of the ventral part and vertebralization of the dorsal part of the atlas] Wackenheim A, et al. J Radiol 1983 Jun–Jul;64(6–7):425–7 (Eng. Abstr.) (Fre)
[Bilateral dorsal atlas arch aplasia—a cause of false evaluation following trauma] Brückner L. Beitr Orthop Traumatol 1983 Nov;30(11):576–8 (Eng. Abstr.) (Ger)

ANATOMY & HISTOLOGY

[Head position, atlas position and breathing in open bite] Treuenfels H. Fortschr Kieferorthop 1984 Apr;45(2):111–21 (Eng. Abstr.) (Ger)

INJURIES

Stable fractures of the atlas and axis in children. Richards PG. J Neurol Neurosurg Psychiatry 1984 Aug;47(8):781–3
Fractures of the arches of the atlas: a study of their causation. Sköld G. Z Rechtsmed 1983;90(4):247–58
[Apropos of a case of Jefferson fracture: diagnosis, treatment, outcome and value of the CT–scanner in evaluating lesions and the quality of reduction] Claux E, et al. Acta Chir Belg 1984 Mar–Apr;84(2):73–5 (Eng. Abstr.) (Fre)
[Combination of a hyperextension and a Jefferson fracture of the upper cervical vertebra] Witte G, et al. ROFO 1983 Oct;139(4):453–4 (Ger)
[Fracture of the odontoid process of the atlas with retro–displacement] Tallashev MM. Ortop Travmatol Protez 1983 Sep;(7):57–8 (Rus)

PHYSIOPATHOLOGY

[Relation between atlas position, prognathism and prognathous jaw anomalies] von Truenfels H, et al. Z Orthop 1983 Nov–Dec;121(6):657–64 (Eng. Abstr.) (Ger)

RADIOGRAPHY

[Inferior accessory ossicle of the anterior arch of the atlas] Gambardella A, et al. Radiol Med (Torino) 1983 Sep; 69(9):673–4 (Ita)

SURGERY

Hyperekplexia relieved by surgical decompression of the cervicomedullary region. Winston K. Neurosurgery 1983 Dec;13(6):708–10
[Atloido–axoid surgery by a transoral approach] Louis R. Rev Chir Orthop 1983;69(5):381–91 (Eng. Abstr.) (Fre)

ATLOIDO–OCCIPITAL JOINT see ATLANTO–OCCIPITAL JOINT

ATMOSPHERE

Prebiotic synthesis in atmospheres containing CH4, CO, and CO2. I. Amino acids. Schlesinger G, et al. J Mol Evol 1983;19(5):376–82
Prebiotic synthesis in atmospheres containing CH4, CO, and CO2. II. Hydrogen cyanide, formaldehyde and ammonia. Schlesinger G, et al. J Mol Evol 1983;19(5):383–90
Atmospheric factors affecting transmission of infections. Smith FB. Practitioner 1983 Nov;227(1385):1667–77
What is the risk from chlorofluorocarbons? Maugh TH 2d. Science 1984 Mar 9;223(4640):1051–2
[The role of electroatmospheric factors in asthmatic pathology in children] Caramia G, et al. Minerva Pediatr 1984 Apr 15;36(7):357–62 (Eng. Abstr.) (Ita)
[Attacks of paroxysmal tachycardia in children and the outside air temperature regime in Moscow] Ternova TI, et al. Pediatriia 1984 May;(5):30–2 (Eng. Abstr.) (Rus)
[Bioclimatic characteristics of the atmosphere of the therapeutic beaches in Eupatoria] Shchetilin AP, et al. Vopr Kurortol Fizioter Lech Fiz Kult 1984 Mar–Apr; (2):57–8 (Rus)

ATMOSPHERE EXPOSURE CHAMBERS

The flow–past chamber: an improved nose–only exposure system for rodents. Cannon WC, et al. Am Ind Hyg Assoc J 1983 Dec;44(12):923–8
A five–year survey of hypobaric chamber physiological incidents in the Canadian Forces. Crowell LB. Aviat Space Environ Med 1983 Nov;54(11):1034–6
Gaseous oxide toxicity evaluated with cell monolayers on collagen–coated, gas–permeable teflon membranes. Gabridge MG, et al. Environ Health Perspect 1984 Mar; 54:347–52
Calibration of a system for the computer–assisted operation of a small animal inhalation facility. Van Stee EW, et al. Environ Health Perspect 1984 Mar;54:311–8
Overview of a system for the computer–assisted operation of a small animal inhalation facility. Van Stee EW, et al. Environ Health Perspect 1984 Mar;54:299–310
Designs and operational characteristics of inhalation exposure equipment—a review. MacFarland HN. Fundam Appl Toxicol 1983 Nov–Dec;3(6):603–13 (110 ref.)
A dynamic closed–loop recirculating inhalation chamber for conducting pharmacokinetic and short–term toxicity studies. Paustenbach DJ, et al. Fundam Appl Toxicol 1983 Nov–Dec;3(6):528–32
Inhalation chamber with size discriminator for liquid aerosols. Tsuda S, et al. Fundam Appl Toxicol 1984 Jun; 4(3 Pt 1):378–87
Animal chamber for in vivo testing of toxic gases. Thorne PS, et al. Lab Anim Sci 1983 Oct;33(5):476–80
Operation Everest II. Sutton JR, et al. Prog Clin Biol Res 1983;136:221–33
[A dust generator for inhalation experiments in a high–pressure chamber] Friedrichs KH, et al. Zentralbl Bakteriol Mikrobiol Hyg [B] 1984 Mar; 179(1):73–9 (Eng. Abstr.) (Ger)
[Chamber for the inhalational exposure of animals] Lebedev MD. Gig Sanit 1983 Oct;(10):86–8 (Rus)
[Method of determination of microcontaminants in the atmosphere of a high pressure chamber] Avetisiants BL, et al. Kosm Biol Aviakosm Med 1983 Sep–Oct;17(5):90–1 (Rus)
[Device for graded application of muscular load to rats in an air–tight chamber] Iurova KS, et al. Kosm Biol Aviakosm Med 1983 Sep–Oct;17(5):91–4 (Rus)

HISTORY

The pressure chamber revisited. A look at the past. Houston CS. Prog Clin Biol Res 1983;136:213–20

ATMOSPHERIC PRESSURE

see related
ANOXIA
BAROTRAUMA
DECOMPRESSION SICKNESS
HYPERBARIC OXYGENATION

Tissue distribution of thiopental and diazepam in rats at 71 atmospheres pressure. Aanderud L, et al. Acta Anaesthesiol Scand 1983 Dec;27(6):433–8
The significance of low atmospheric pressure on the eyes with reference to soft contact lenses. Castrén J. Acta Ophthalmol [Suppl] (Copenh) 1984;161:123–7
Comparative evaluation of a traditional and a 'tissue technique' method for determining air pressure differentials in hospital isolation rooms. Rutala WA, et al. Am J Infect Control 1984 Apr;12(2):96–9
Pitfalls of aeromedical evacuation. Ingham PN. Aust Fam Physician 1983 Dec;12(12):881–3
Pharmacokinetics of pentobarbital under hyperbaric and hyperbaric hyperoxic conditions in the dog. Kramer WG, et al. Aviat Space Environ Med 1983 Nov;54(11):1005–8
Cardiorespiratory assessment of 24–hour crash–diet effects on altitude, +Gz, and fatigue tolerances. Lategola MT, et al. Aviat Space Environ Med 1982 Mar;53(3):201–9
Bilirubin metabolism in the rat at high altitude. Newberry MA, et al. Aviat Space Environ Med 1984 May;55(5):377–80
Effect of arginine vasopressin, acetazolamide, and angiotensin II on CSF pressure at simulated altitude. Senay LC Jr, et al. Aviat Space Environ Med 1984 May;55(5):370–6
Oronasal fistulas, intraoral air pressure, and nasal air flow during speech. Shelton RL, et al. Cleft Palate J 1984 Apr; 21(2):91–9
Effect of alpha–tocopherol on the production of malondialdehyde in rat tissue homogenates after hypobaric exposure. Varškevičienė ZZ, et al. Gen Physiol Biophys 1984 Feb;3(1):47–53
The variation of basement radon concentration with barometric pressure. Hernandez TL, et al. Health Phys 1984 Feb;46(2):440–5
Ways of increasing human resistance to acute hypoxia. Agadzhanyan NA, et al. Hum Physiol 1983 Jul–Aug; 9(4):217–23
Regulation of the cardiac rhythm in children with bronchial asthma exposed to high–altitude conditions in a pressure chamber. Moskvichev OK. Hum Physiol 1982 Nov–Dec; 8(6):428–31
Platelets and leukocytes in the lungs after acute hypobaric hypoxia. Coates G, et al. J Appl Physiol 1983 Nov; 55(5):1536–41
Bubble formation in crustaceans following decompression from hyperbaric gas exposures. McDonough PM, et al. J Appl Physiol 1984 Feb;56(2):513–9
HPNS of baboons during helium–nitrogen–oxygen slow exponential compressions. Rostain JC, et al. J Appl Physiol 1984 Aug;57(2):341–50
Air resistance and its influence on the biomechanics and energetics of sprinting at sea level and at altitude. Ward–Smith AJ. J Biomech 1984;17(5):339–47
Effect of reduced atmospheric pressure on patients with fluctuating hearing loss due to Ménière's disease. Younger R, et al. J Otolaryngol 1984 Apr;13(2):76–82
Hyperbaric pressure effects measured by growth of a transplantable tumor in the C3H/HeN mouse. Herndon BL, et al. JNCI 1984 Sep;73(3):679–87
Diving and life at high pressure. Philos Trans R Soc Lond [Biol] 1984 Jan 7;304(1118):1–197
Specific effects of drugs at pressure: animal investigations. Angel A, et al. Philos Trans R Soc Lond [Biol] 1984 Jan 7;304(1118):85–94
Mechanistic studies on the high pressure neurological syndrome. Bowser–Riley F. Philos Trans R Soc Lond [Biol] 1984 Jan 7;304(1118):31–41
Hydrostatic pressure effects on the central nervous system: perspectives and outlook. Brauer RW. Philos Trans R Soc Lond [Biol] 1984 Jan 7;304(1118):17–30
The effects of pressure on the molecular structure and physiological functions of cell membranes. Macdonald AG. Philos Trans R Soc Lond [Biol] 1984 Jan 7;304(1118):47–68
High pressure nervous syndrome: psychometric and clinico–electrophysiological correlations. Naquet R, et al. Philos Trans R Soc Lond [Biol] 1984 Jan 7;304(1118):95–102
The biological effects of high pressures: underlying principles. Smith EB. Philos Trans R Soc Lond [Biol] 1984 Jan 7;304(1118):5–16
The interactions between pressure and anaesthetics. Smith RA, et al. Philos Trans R Soc Lond [Biol] 1984 Jan 7; 304(1118):69–84
The Third International Symposium of UOEH (University of Occupational and Environmental Health, Japan): Hyperbaric medicine and underwater physiology. October 27–29, 1983. Abstracts and discussions. Sangyo Ika Daigaku Zasshi 1984 Feb 1;6 Suppl:1–95
Pharmacokinetics of antipyrine, paracetamol, and morphine in rat at 71 ATA. Aanderud L, et al. Undersea Biomed Res 1983 Sep;10(3):193–201
Soleus H reflex studies in humans at 40–70 bar in helium–oxygen–nitrogen (trimix). Harris DJ, et al. Undersea Biomed Res 1984 Mar;11(1):49–64
In vitro renal transport of organic ions during exposure to hyperbaric helium. Small A, et al. Undersea Biomed Res 1983 Sep;10(3):157–68

Mechanical and physical factors in lung function during work in dense environments. Van Liew HD.
Undersea Biomed Res 1983 Sep;10(3):255–64

Fracture studies on a mammalian semicircular canal. Venter RD, et al. **Undersea Biomed Res** 1983 Sep;10(3):225–40

Effect of repeated hyperbaric exposures on the menstrual cycle: preliminary study. Willson JR, et al.
Undersea Biomed Res 1984 Mar;11(1):91–7

[Physiological and pathological research in microcirculation in hyperbaric medicine] Chen Y.
Sheng Li Ke Hsueh Chin Chan 1983 Oct;14(4):359–61 **(Chi)**

[Study of 2 antianoxic agents by a method of decreased barometric pressure: demonstration of a different rate of action] Truchaud M. **Ann Pharm Fr** 1983;41(4):321–6 (Eng. Abstr.) **(Fre)**

[Aminergic correlations in the rat brain exposed to hypobaric hypoxia] Cohen Y. **Bull Mem Acad R Med Belg** 1983; 138(5):336–46 (Eng. Abstr.) **(Fre)**

[Effect of the decrease of pressure on the volume measurement with dry gas counters during air sampling] Kaulbach S, et al. **Z Gesamte Hyg** 1983 Sep;29(9):536–7 (Eng. Abstr.) **(Ger)**

[Left ventricular hypertrophy caused by acute or chronic hypobaric hypoxia in the rat] Genovese A, et al.
Minerva Cardioangiol 1983 Oct;31(10):583–6 (Eng. Abstr.) **(Ita)**

[Transient responses of the cardiovascular system to decompression of the neck region] Ogasawara Y, et al.
Iyodenshi To Seitai Kogaku 1983 Feb;21(1):9–13 (Eng. Abstr.) **(Jpn)**

[Thermogenic responses of high-altitude adapted rats on low temperatures and low pressures] Yanagidaira Y.
Nippon Seirigaku Zasshi 1983;45(3):134–44 (Eng. Abstr.) **(Jpn)**

[Measurement of airway resistance using a body plethysmograph—the effect of added external resistance] Sugita M, et al. **Rinsho Byori** 1983 Aug;31(8):919–23 **(Jpn)**

[Hypothalamic self-stimulation reaction in cats in a nitrogen—oxygen environment under elevated pressure] Akhmetova GK, et al. **Fiziol Zh SSSR** 1983 Sep; 69(9):1224–6 **(Rus)**

[Effect of a nitrogen admixture in the inhaled oxygen on the effectiveness of 2-hour desaturation before decompression from 760 to 220 mm Hg] Barer AS, et al. **Kosm Biol Aviakosm Med** 1983 Jul–Aug;17(4):45–7 (Eng. Abstr.) **(Rus)**

[Relation of the blood coagulation and fibrinolysis systems to the functional state of the lysosomal apparatus of neutrophilic leukocytes during exposure to lowered barometric pressure] Lunina NV, et al.
Kosm Biol Aviakosm Med 1984 May–Jun;18(3):90–2 **(Rus)**

[Changes in cardiac activity as affected by increased atmospheric pressure based on vectormetric analysis] Sorokin VG. **Voen Med Zh** 1983 Aug;(8):49 **(Rus)**

[The effect of hyperbaric pressure and indomethacin on non-specific immunity in rats] Ferenčíková J, et al.
Fysiatr Reumatol Vestn 1983 Aug;61(4):226–33 (Eng. Abstr.) **(Slo)**

[The effect of simulated and natural hypobaric pressure on the biotransformation function of the rat liver in vitro] Strec V. **Fysiatr Reumatol Vestn** 1983 Aug;61(4):234–9 (Eng. Abstr.) **(Slo)**

ATOMIC ENERGY see **NUCLEAR ENERGY**

ATOMIC MEDICINE see **NUCLEAR MEDICINE**

ATOMIC WARFARE see **NUCLEAR WARFARE**

ATOPIC HYPERSENSITIVITY see **HYPERSENSITIVITY, IMMEDIATE**

ATP see **ADENOSINE TRIPHOSPHATE**

ATP CITRATE LYASE

BIOSYNTHESIS

Coordinate regulation of the biosynthesis of ATP-citrate lyase and malic enzyme during adipocyte differentiation. Studies on 3T3-L1 cells. Wise LS, et al. **J Biol Chem** 1984 Apr 25;259(8):4827–32

BLOOD

Comparison of plasma very low density lipoproteins and lipogenic enzymes as predictors of fat content and food conversion efficiency in selected lines of broiler chickens. Whitehead CC, et al. **Br Poult Sci** 1984 Apr;25(2):277–86

GENETICS

Cloning of cDNA sequences for murine ATP-citrate lyase. Construction of recombinant plasmids using an immunopurified mRNA template and evidence for the nutritional regulation of ATP-citrate lyase mRNA content in mouse liver. Sul HS, et al. **J Biol Chem** 1984 Jan 25; 259(2):1201–5

ISOLATION & PURIFICATION

Evidence for repetitive structure of the large acyl-carrier protein subunit of Escherichia coli citrate lyase. Subramanian S, et al. **Biochem Biophys Res Commun** 1984 Aug 16;122(3):1253–9

Rapid purification of enzymes of fatty acid biosynthesis from rat adipose tissue. Ramakrishna S, et al. **Prep Biochem** 1983; 13(5):475–88

METABOLISM

Insulin stimulates the dephosphorylation of phosphothreonine from fat-pad ATP-citrate lyase. Ramakrishna S, et al.
Biochem Biophys Res Commun 1984 Aug 16;122(3):1047–56

Studies on insulin-stimulated phosphorylation of acetyl-CoA carboxylase, ATP citrate lyase and other proteins in rat epididymal adipose tissue. Evidence for activation of a cyclic AMP-independent protein kinase. Brownsey RW, et al. **Biochem J** 1984 Mar 15;218(3):733–43

Effect of thyroxine-induced hyperthyroidism on some testicular enzymes of the pyruvate/malate cycle. Aruldhas MM, et al. **Biochim Biophys Acta** 1984 Feb 14;797(2):143–6

ATP-citrate lyase phosphorylation in rat adipose tissue. Pucci DL, et al. **J Biol Chem** 1983 Nov 10;258(21):12907–11

ATP-citrate lyase and other enzymes of acetyl-CoA metabolism in fractions of small and large synaptosomes from rat brain hippocampus and cerebellum. Szutowicz A, et al. **J Neurochem** 1983 Nov;41(5):1502–5

ATP-GUANOSINE PHOSPHATE PYROPHOSPHOTRANSFERASE see under **PHOSPHOTRANSFERASES, ATP**

ATP PHOSPHORIBOSYLTRANSFERASE see under **PENTOSYLTRANSFERASES**

ATPASE see **ADENOSINE TRIPHOSPHATASE**

ATPASE, CALCIUM see **ADENOSINE TRIPHOSPHATASE, CALCIUM**

ATPASE F(0) see **H(+)-TRANSPORTING ATPASE**

ATPASE F1 see **H(+)-TRANSPORTING ATPASE**

ATPASE, SODIUM, POTASSIUM see **ADENOSINE TRIPHOSPHATASE, SODIUM, POTASSIUM**

ATRACTYLOSIDE see under **GLYCOSIDES**

ATRAZINE

TOXICITY

Fate and effects of atrazine in small aquatic microcosms. Brockway DL, et al. **Bull Environ Contam Toxicol** 1984 Mar;32(3):345–53

Interaction effects of permethrin and atrazine combinations towards several nontarget microorganisms. Stratton GW.
Bull Environ Contam Toxicol 1983 Sep;31(3):297–303

Evaluation of the mutagenic potential of corn (Zea mays L.) grown in untreated and atrazine (AAtrex) treated soil in the field. Sumner DD, et al. **Drug Chem Toxicol** 1984; 7(3):243–57

Effects of dietary methionine, methylmercury, and atrazine on ex-vivo synthesis of prostaglandin E1 and thromboxane B2. Meydani M, et al. **Prostaglandins Leukotrienes Med** 1984 May;14(2):267–78

ATRIAL FIBRILLATION

BLOOD

Increased plasma concentration of cyclic GMP in atrial fibrillation. Ogawa K, et al. **Experientia** 1983 Nov 15; 39(11):1290–1

[Concentration of endogenous prostanoids and cyclic nucleotides in patients with atrial fibrillation] Smirnov IE, et al. **Kardiologiia** 1984 May;24(5):39–43 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Atrial fibrillation induced by adenosine triphosphate. Belhassen B, et al. **Am J Cardiol** 1984 May 1;53(9):1405–6

The 'holiday heart' syndrome. Nissen MB, et al.
Heart Lung 1984 Jan;13(1):89–92

[Daunomycin and atrial fibrillation] Fuster Siebert M, et al.
An Esp Pediatr 1983 Nov;19(5):415–6 **(Spa)**

COMPLICATIONS

Atrial fibrillation in pericardial disease [letter] Spodick DH.
Am Heart J 1984 Apr;107(4):809–10

Thyrotoxicosis in institutionalized elderly patients with atrial fibrillation. Cobler JL, et al. **Arch Intern Med** 1984 Sep; 144(9):1758–60

Atrial fibrillation and cerebral embolism [editorial] Moss AJ.
Arch Neurol 1984 Jul;41(7):707

Thromboembolism in patients with atrial fibrillation. Sherman DG, et al. **Arch Neurol** 1984 Jul;41(7):708–10

Occult thyrotoxicosis in patients with chronic and paroxysmal isolated atrial fibrillation. Ciaccheri M, et al.
Clin Cardiol 1984 Jul;7(7):413–6

Balint's syndrome in a man with border-zone infarcts caused by atrial fibrillation. Hijdra A, et al.
Clin Neurol Neurosurg 1984;86(1):51–4

Atrial fibrillation. Bennett D. **Eur Heart J** 1984 Mar;5 Suppl A:89–93 (32 ref.)

Atrial fibrillation as a cause of myocardial and cerebral infarctions. Kuramoto K, et al. **Jpn Circ J** 1984 Jan; 48(1):67–74

Atrial fibrillation, TIAs and completed strokes. Harrison MJ, et al. **Stroke** 1984 May–Jun;15(3):441–2

Atrial fibrillation and stroke [letter] Hart RG, et al.
Stroke 1984 Mar–Apr;15(2):387–8

Duration of nonvalvular atrial fibrillation and stroke [letter] Hart RG, et al. **Stroke** 1983 Sep–Oct;14(5):827

Early recurrent embolism associated with nonvalvular atrial fibrillation: a retrospective study. Hart RG, et al.
Stroke 1983 Sep–Oct;14(5):688–93

Risk of recurrent stroke in patients with atrial fibrillation and non-valvular heart disease. Sage JI, et al. **Stroke** 1983 Jul–Aug;14(4):537–40

Duration of atrial fibrillation and imminence of stroke: the Framingham study. Wolf PA, et al. **Stroke** 1983 Sep–Oct; 14(5):664–7

[Atrial fibrillation. Risk of thromboembolic complications and their prevention] Petersen P, et al. **Ugeskr Laeger** 1984 Mar 12;146(11):789–92 (Eng. Abstr.) **(Dan)**

[Is auricular fibrillation emboligenic?] Lambrozo J.
Ann Med Interne (Paris) 1983;134(6):517–9 **(Fre)**

[Postoperative mitral valve function and pulse rate in mitral stenosis with atrial fibrillation] Fujiwara T, et al.
Kokyu To Junkan 1984 May;32(5):493–7 (Eng. Abstr.) **(Jpn)**

[Atrial fibrillation in patients with the Wolff-Parkinson-White syndrome: electrophysiologic mechanisms, diagnosis, features of the course] Golitsyn SP, et al. **Ter Arkh** 1983;55(11):48–52 (Eng. Abstr.) **(Rus)**

[Influence of treatment with amiodarone in response to electric cardioversion in patients with complete arrhythmia caused by auricular fibrillation] del Río Ligorit A, et al.
Med Clin (Barc) 1983 Nov 5;81(14):618–20 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Relation between the widening of the fragmented atrial activity zone and atrial fibrillation. Ohe T, et al.
Am J Cardiol 1983 Dec 1;52(10):1219–22

Atrial coronary angiography, tachyarrhythmias and the Ta segment. Pickering NJ, et al. **J Electrocardiol** 1983 Oct; 16(4):325–9

Relevance of electrograms and transient entrainment for antitachycardia devices. Waldo AL, et al. **PACE** 1984 May; 7(3 Pt 2):588–600

[Clinical aspect of paroxysmal disorders of heart rhythm] Apostolov G. **Vutr Boles** 1984;23(1):57–63 (Eng. Abstr.) **(Bul)**

[Atrial hyperexcitability provoked by stimulation—clinical aspects] Trusz-Gluza M, et al. **Kardiol Pol** 1984; 27(3):169–74 (Eng. Abstr.) **(Pol)**

[Enhanced atrial ECG and its characteristics in atrial fibrillation] Paleev NR, et al. **Kardiologiia** 1983 Nov; 23(11):18–22 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Effectiveness and safety of oral verapamil to control exercise-induced tachycardia in patients with atrial fibrillation receiving digitalis. Panidis IP, et al.
Am J Cardiol 1983 Dec 1;52(10):1197–201

Procainamide infusion and acute atrial fibrillation. Fulham MJ, et al. **Anaesth Intensive Care** 1984 May;12(2):121–4

Preoperative management of atrial fibrillation [letter] Royster RL. **Anesthesiology** 1983 Dec;59(6):592–3

Double-blind crossover randomized trial of intravenously administered verapamil. Its use for atrial fibrillation and flutter following open heart surgery. Hwang MH, et al.
Arch Intern Med 1984 Mar;144(3):491–4

Atrial fibrillation and flutter. Immediate control and conversion with intravenously administered verapamil. Tommaso C, et al. **Arch Intern Med** 1983 May; 143(5):877–81

Long-term oral treatment with high doses of verapamil in lone atrial fibrillation. Johansson PA, et al. **Clin Cardiol** 1984 Mar;7(3):163–70

Amiodarone—application and clinical pharmacology in atrial fibrillation and other arrhythmias. Anastasiou-Nana M, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 May; 22(5):229–35

Antiarrhythmic activity of esmolol (ASL-8052)—a novel ultra-short acting beta-adrenoreceptor blocking agent. Klein G, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 Feb;22(2):112–7

Verapamil in atrial fibrillation. Edson JN.
NY State J Med 1983 Oct–Nov;83(11–12):1149

Cardioversion of atrial fibrillation to sinus rhythm using quinidine given in rapid administration. Cotoi S.
Physiologie 1983 Oct–Dec;20(4):251–4

[Treatment of paroxysmal supraventricular tachycardia and tachyarrhythmia with verapamil] Penkov N, et al.
Vutr Boles 1984;23(1):63–9 (Eng. Abstr.) **(Bul)**

[The significance of lidoflazine in the therapy of atrial fibrillation and flutter] Hula J, et al. **Cas Lek Cesk** 1984 Jun 22;123(25):764–6 (Eng. Abstr.) **(Cze)**

[Atrial fibrillation] Härtel G. **Duodecim** 1984;100(2):101–7 **(Fin)**

[Treatment of atrial fibrillation with fenoxedil hydrochloride. Apropos of 112 cases] Allal J, et al. **Arch Mal Coeur** 1984 Jan;77(1):85–91 (Eng. Abstr.) **(Fre)**

[Modification of hemodynamics in tachycardiac atrial fibrillation by metoprolol and verapamil] Maier WD, et al. **Z Kardiol** 1983 Aug;72(8):465–70 (Eng. Abstr.) **(Ger)**

[Regularization of ventricular intervals in atrial fibrillation—electrophysiologic findings on the underlying mechanism] Neuss H, et al. **Z Kardiol** 1984 Feb; 73(2):106–12 (Eng. Abstr.) **(Ger)**

[Circadian aspects of heart rate in patients with atrial fibrillation: comparative influence of digoxin and pentaformylgitoxin] Dei Cas L, et al. **Boll Soc Ital Cardiol** 1983 Dec;28(12):1019–25 (Eng. Abstr.) **(Ita)**

[Drug therapy of atrial fibrillation in acute myocardial infarct: comparison of intravenous amiodarone and digoxin] Petronelli FP, et al. **G Clin Med** 1983 Nov;64(11):475–82 (Eng. Abstr.) **(Ita)**

[Anuria in a patient treated with disopyramide for paroxysmal auricular fibrillation (letter)] Przedlacki J. **Pol Tyg Lek** 1983 Sep 12;38(37):1144 **(Pol)**

[The role of the Schlomck–Reindell arrhythmic index and corrected coefficient in the prognosis of atrioventricular block during novocainamide treatment of paroxysms of atrial fibrillation and flutter] Olesin AI, et al. **Kardiologiia** 1983 Nov;23(11):108–9 **(Rus)**

[Action of obsidan on platelet hemostasis in patients with atrial fibrillation] Antiuf'ev VF, et al. **Klin Med (Mosk)** 1983 Oct;61(10):64–7 **(Rus)**

[Quinidine treatment of paroxysms of atrial fibrillation and flutter] Kalvelis AD, et al. **Klin Med (Mosk)** 1984 Mar; 62(3):103–7 (Eng. Abstr.) **(Rus)**

[Treatment of auricular tachyarrhythmias in the acute phase of myocardial infarct with intravenous amiodarone] Taboada Taboada M, et al. **Rev Clin Esp** 1983 Jun 15–30; 169(5–6):337–8 (Eng. Abstr.) **(Spa)**

[Intravenous diltiazem in the treatment of supraventricular tachyarrhythmias] Almazán Ceballos A, et al. **Rev Esp Cardiol** 1983;36(3):229–32 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Swallowing induced atrial tachycardia and fibrillation in a patient with a Wolf–Parkinson–White syndrome. Keidar S, et al. **Am J Med Sci** 1984 Jul–Aug;288(1):32–4

Atrial fibrillation [letter] Lanska D, et al. **Arch Intern Med** 1984 Sep;144(9):1888–9

The role of alcohol in new-onset atrial fibrillation. Lowenstein SR, et al. **Arch Intern Med** 1983 Oct; 143(10):1882–5

The role of alcohol in new-onset atrial fibrillation [letter] Spodick DH. **Arch Intern Med** 1984 Apr;144(4):862–3

A reevaluation of atrial fibrillation in thyrotoxicosis. Agner T, et al. **Dan Med Bull** 1984 Apr;31(2):157–9

Atrial flutter, atrial fibrillation, and other primary atrial tachycardias. Benditt DG, et al. **Med Clin North Am** 1984 Jul;68(4):895–918 (77 ref.)

Atrial fibrillation induced by testing magnet applied to VVI pacemaker. Staller BJ. **PACE** 1984 Mar;7(2):293–5

Paroxysmal atrial fibrillation in Wolff–Parkinson–White syndrome. Wang JL, et al. **Taiwan I Hsueh Hui Tsa Chih** 1983 Dec;82(12):1279–87

[Atrial flutter and fibrillation (several urgent questions)] Kushakovskiĭ MS. **Kardiologiia** 1984 May;24(5):5–10 **(Rus)**

FAMILIAL & GENETIC

Clinical study of 9 familial atrial fibrillation cases. Yan WT, et al. **Chin Med J [Engl]** 1983 Jun;96(6):441–4

METABOLISM

[Characteristics of lactate metabolism in the myocardium of patients with auricular fibrillation] Smetnev AS, et al. **Kardiologiia** 1983 Dec;23(12):70–3 (Eng. Abstr.) **(Rus)**

MORTALITY

Atrial fibrillation with long survival. Kneedler WH, et al. **NC Med J** 1984 Feb;45(2):121

PATHOLOGY

[Clinical significance of the relation between the size of the left atrium and atrial tachyfibrillation] Murín J. **Bratisl Lek Listy** 1983 Sep;80(3):316–21 (Eng. Abstr.) **(Slo)**

PHYSIOPATHOLOGY

The influence of oxytocin on the fibrillation thresholds in rabbits. Cuparencu B, et al. **Acta Physiol Hung** 1984; 63(1):77–81

Intermittent mitral regurgitation due to Beall valve dysfunction: analysis of 13 patients with atrial fibrillation. Itzkoff JM, et al. **Am J Cardiol** 1984 Apr 1;53(8):1071–4

Unusual features of bypass conduction in Wolff–Parkinson–White syndrome and atrial fibrillation. Peters RW, et al. **Am J Cardiol** 1983 Dec 1;52(10):1357–9

Alpha-receptor restriction of coronary blood flow during atrial fibrillation. Wichmann J, et al. **Am J Cardiol** 1983 Oct 1;52(7):887–92

Effect of experimentally induced atrial fibrillation on coronary circulation in dogs. Wichmann J, et al. **Basic Res Cardiol** 1983 Sep–Oct;78(5):473–91

Interaction between systolic and diastolic time intervals in atrial fibrillation. Cieslinski A, et al. **Br Heart J** 1984 Apr; 51(4):431–7

Application of statistical methods for the analysis or interval related cardiac performance variations during cardiac arrhythmia in man. Pfeiffer KP, et al. **Cardiovasc Res** 1984 Feb;18(2):80–98

A quantitative model for the ventricular response during atrial fibrillation. Cohen RJ, et al. **IEEE Trans Biomed Eng** 1983 Dec;30(12):769–81

Spectral analysis of arterial blood pressure in the rat during atrial fibrillation. Daniels FH, et al. **IEEE Trans Biomed Eng** 1983 Sep;30(9):566–70

Spontaneous conversion of long standing atrial fibrillation to sinus rhythm—an unusual pre-terminal phenomenon. Kaul U, et al. **Indian Heart J** 1983 Jul–Aug;35(4):241–4

Cyclic change in atrial wave form axis in atrial fibrillation. Mittal SR, et al. **Indian J Med Sci** 1983 Aug;37(8):144–5

Atrial fibrillation in mitral stenosis: histologic, hemodynamic and metabolic factors. Unverferth DV, et al. **Int J Cardiol** 1984 Feb;5(2):143–54

Nonrandom ventricular rhythm in horses with atrial fibrillation and its significance for patients. Meijler FL, et al. **J Am Coll Cardiol** 1984 Aug;4(2):316–23

Ventricular response to atrial fibrillation [letter] Urbach JR. **J Am Coll Cardiol** 1984 Apr;3(4):1105–6

Atrial fibrillation: minimal sampling interval to estimate average rate. Watt JH, et al. **J Electrocardiol** 1984 Apr; 17(2):153–6

Echocardiographic evidence of increased obstruction following long cycle lengths in atrial fibrillation in patients with hypertrophic cardiomyopathy. Come PC, et al. **JCU** 1984 May;12(4):241–3

Dual atrio-ventricular nodal pathways and atrial fibrillation. Brugada P, et al. **PACE** 1984 Mar;7(2):240–7

Identical QRS complexes during atrial fibrillation with aberrant conduction and ventricular tachycardia. The value of a His bundle recording. Brugada P, et al. **PACE** 1983 Sep;6(5 Pt 2):1057–61

Termination of symptoms in the sick sinus syndrome by atrial fibrillation. Lister JW. **PACE** 1978 Oct;1(4):510–3

The electrophysiological substrate of atrial fibrillation. Simpson RJ Jr, et al. **PACE** 1983 Sep;6(5 Pt 2):1166–70

Characterization of atrial fibrillation in man: studies following open heart surgery. Wells JL Jr, et al. **PACE** 1978 Oct; 1(4):426–38

Relationship of atrial fibrillatory wave amplitude to left atrial size by echocardiography and etiology of heart disease. Lai WT, et al. **Taiwan I Hsueh Hui Tsa Chih** 1983 Dec; 82(12):1246–56

[Cardiac output (echocardiographic determination) in patients with the VVI artificial cardiac pacemaker] Facchin L, et al. **Minerva Cardioangiol** 1983 Nov;31(11):617–24 (Eng. Abstr.) **(Ita)**

[Detection of occult periodicities in the rhythmic activity of the heart in atrial fibrillation] Antiuf'ev VF, et al. **Ter Arkh** 1983;55(11):52–4 **(Rus)**

PREVENTION & CONTROL

[Quinidine, sparteine sulfate and ajmaline derivative – delayed-action drugs – in the prevention of auricular fibrillation. Comparative study] Mandecki T, et al. **Pol Tyg Lek** 1983 Sep 12;38(37):1145–7 (Eng. Abstr.) **(Pol)**

SURGERY

Staple closure of the left atrial appendage. Landymore R, et al. **Can J Surg** 1984 Mar;27(2):144–5

Clinical thromboembolism, atrial dysrhythmia and left atrial thrombus in surgically treated patients with mitral valve disease. Vijayanagar R, et al. **Indian Heart J** 1984 Mar–Apr; 36(2):95–7

THERAPY

Cardioversion during pregnancy. A case report. Cullhed I. **Acta Med Scand** 1983;214(2):169–72

Conversion of atrial fibrillation to sinus rhythm by carotid sinus massage [letter] Ali N, et al. **Am J Cardiol** 1984 Feb 1;53(4):652

Pacemaker-mediated tachycardia. A complication of atrioventricular universal (DDD) pacemakers. Greenberg RM, et al. **Arch Intern Med** 1984 May;144(5):1061–3

Graves' disease and atrial fibrillation: the case for even higher doses of therapeutic iodine-131. Scott GR, et al. **Br Med J [Clin Res]** 1984 Aug 18;289(6442):399–400

The treatment of atrial fibrillation and flutter: a review. Willoughby ML, et al. **Heart Lung** 1984 Sep;13(5):578–84 (63 ref.)

Evaluation of a new defibrillation pathway: tongue–epigastric/tongue–apex route. II. Impedance characteristics in human subjects. Kerber RE, et al. **J Am Coll Cardiol** 1984 Aug;4(2):253–8

Elective cardioversion in the presence of conduction disturbances. Cascio WE, et al. **J Electrocardiol** 1984 Jan; 17(1):63–6

Echocardiographic evaluation of left ventricular function before and after cardioversion of atrial fibrillation to normal sinus rhythm. Drăgulescu SI, et al. **Med Interne** 1983 Oct–Dec;21(4):279–83

Pulmonary emboli from a platelet-rich thrombus attached to a pacemaker electrode. Davis G, et al. **PACE** 1983 Sep; 6(5 Pt 1):883–6

The efficacy of quinidine and disopyramide in the maintenance of sinus rhythm after electroconversion from atrial fibrillation. A double-blind study comparing quinidine, disopyramide and placebo. Lloyd EA, et al. **S Afr Med J** 1984 Mar 10;65(10):367–9

[How and why treat supraventricular tachycardias] Kulbertus H. **G Ital Cardiol** 1984 Apr;14(4):269–72 (Eng. Abstr.) **(Ita)**

[Indications and results of right intraventricular stimulation with implanted pacemakers] Georgescu G, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Oct–Dec; 87(4):545–52 (Eng. Abstr.) **(Rum)**

[Prediction of late results of electropulse therapy of auricular fibrillation in patients with rheumatic heart disease] Nedostup AV, et al. **Ter Arkh** 1984;56(1):95–100 (Eng. Abstr.) **(Rus)**

VETERINARY

Cor pulmonale and atrial fibrillation in goats as a sequel to pneumonia. Gay CC, et al. **Aust Vet J** 1983 Sep;60(9):274–5

ECG of the month.Atrial fibrillation in cattle. Claxton MS. **J Am Vet Med Assoc** 1984 Mar 15;184(6):650–1

Hemodynamics before and after conversion of atrial fibrillation to normal sinus rhythm in horses. Muir WW, et al. **J Am Vet Med Assoc** 1984 Apr 15;184(8):965–70

Cardiac arrhythmia. Sweeny RW, et al. **J Am Vet Med Assoc** 1984 May 15;184(10):1230–1

Prognostic significance of the electrocardiogram in dogs with atrial fibrillation: a retrospective study of 59 cases. Boevé MH, et al. **Res Vet Sci** 1984 Jan;36(1):32–6

ATRIAL FLUTTER

CHEMICALLY INDUCED

Atrial flutter and maprotiline: case report. Tollefson G, et al. **J Clin Psychiatry** 1984 Jan;45(1):31–3

CONGENITAL

[Congenital atrial flutter] Jalonen M, et al. **Duodecim** 1983; 99(18):1287–90 **(Fin)**

DIAGNOSIS

In utero diagnosis of atrial flutter by means of real-time-directed M-mode echocardiography. Losure TA, et al. **Am J Obstet Gynecol** 1984 Aug 15;149(8):903–5

Induced concealed atrial flutter. Rakovec P, et al. **Boll Soc Ital Cardiol** 1982;27(2):195–8

Atrial coronary angiography, tachyarrhythmias and the Ta segment. Pickering NJ, et al. **J Electrocardiol** 1983 Oct; 16(4):325–9

Fetal supraventricular tachycardia: a case of (intermittent) atrial flutter. Diro M, et al. **J Natl Med Assoc** 1984 May; 76(5):528–33

Relevance of electrograms and transient entrainment for antitachycardia devices. Waldo AL, et al. **PACE** 1984 May; 7(3 Pt 2):588–600

Some observations concerning atrial flutter in man. Waldo AL. **PACE** 1983 Sep;6(5 Pt 2):1181–9

[Clinical aspect of paroxysmal disorders of heart rhythm] Apostolov G. **Vutr Boles** 1984;23(1):57–63 (Eng. Abstr.) **(Bul)**

DRUG THERAPY

Atrial fibrillation and flutter. Immediate control and conversion with intravenously administered verapamil. Tommaso C, et al. **Arch Intern Med** 1983 May; 143(5):877–81

Atrial flutter in Wolff–Parkinson–White syndrome responding to intravenous disopyramide. Chia BL, et al. **Chest** 1984 Jun;85(6):820–1

[The significance of lidoflazine in the therapy of atrial fibrillation and flutter] Hula J, et al. **Cas Lek Cesk** 1984 Jun 22;123(25):764–6 (Eng. Abstr.) **(Cze)**

[The role of the Schlomck–Reindell arrhythmic index and corrected coefficient in the prognosis of atrioventricular block during novocainamide treatment of paroxysms of atrial fibrillation and flutter] Olesin AI, et al. **Kardiologiia** 1983 Nov;23(11):108–9 **(Rus)**

[Quinidine treatment of paroxysms of atrial fibrillation and flutter] Kalvelis AD, et al. **Klin Med (Mosk)** 1984 Mar; 62(3):103–7 (Eng. Abstr.) **(Rus)**

[Intravenous diltiazem in the treatment of supraventricular tachyarrhythmias] Almazán Ceballos A, et al. **Rev Esp Cardiol** 1983;36(3):229–32 (Eng. Abstr.) **(Spa)**

EMBRYOLOGY

[Paroxysmal atrial flutter with 2:1 AV block, recognized in utero] Hals T, et al. **Tidsskr Nor Laegeforen** 1984 Jan 20; 104(2):99–100 (Eng. Abstr.) **(Nor)**

ETIOLOGY

Exit block during 'common' atrial flutter: convincing proof for focal origin of the arrhythmia [letter] Santinelli V, et al. **Chest** 1984 Jan;85(1):144

Intra-atrial reentry as a mechanism for atrial flutter induced

by acetylcholine and rapid pacing in the dog. Allessie MA, et al. **Circulation** 1984 Jul;70(1):123–35

Atrial flutter, atrial fibrillation, and other primary atrial tachycardias. Benditt DG, et al. **Med Clin North Am** 1984 Jul;68(4):895–918 (77 ref.)

Sustained atrial flutter after cardiac surgery: successful termination by rapid atrial pacing. Sen S, et al. **Thorac Cardiovasc Surg** 1984 Feb;32(1):41–4

[1:1 atrial flutter in an elderly patient: one of the methods of discovering Wolff–Parkinson–White syndrome. Apropos of a case in an adult] Parmeggiani L, et al. **Arch Mal Coeur** 1984 Jan;77(1):111–7 (Eng. Abstr.) **(Fre)**

[Idiopathic hemochromatosis. Detection by an isolated cardiac arrhythmia (letter)] Grimaldi A, et al. **Presse Med** 1983 Oct 1;12(34):2111 **(Fre)**

[Atrial flutter and fibrillation (several urgent questions)] Kushakovskiĭ MS. **Kardiologiia** 1984 May;24(5):5–10 **(Rus)**

PHYSIOPATHOLOGY

Atrial flutter with 1–1 atrioventricular conduction: electrophysiologic and histologic correlations. Blanc JJ, et al. **Am Heart J** 1984 May;107(5 Pt 1):1044–9

Induction of nonsustained atrial flutter by programmed atrial stimulation in children: incidence, mechanisms, and clinical implications. Casta A, et al. **Am Heart J** 1984 Mar; 107(3):444–8

Body surface maps in 2 cases of atrial flutter. Kawano S, et al. **Jpn Heart J** 1984 Mar;25(2):283–92

Symptomatic improvement in a patient with sick sinus syndrome after the onset of stable atrial flutter. Kleinfeld MJ, et al. **PACE** 1978 Oct;1(4):472–5

[Application of endocavitary mapping to the study of auricular flutter] Chauvin M, et al. **Arch Mal Coeur** 1983 Sep;76(9):1020–30 (Eng. Abstr.) **(Fre)**

THERAPY

The treatment of atrial fibrillation and flutter: a review. Willoughby ML, et al. **Heart Lung** 1984 Sep;13(5):578–84 (63 ref.)

Evaluation of a new defibrillation pathway: tongue–epigastric/tongue–apex route. II. Impedance characteristics in human subjects. Kerber RE, et al. **J Am Coll Cardiol** 1984 Aug;4(2):253–8

Elective cardioversion in the presence of conduction disturbances. Cascio WE, et al. **J Electrocardiol** 1984 Jan; 17(1):63–6

[Successful transvenous electric ablation of the AV conduction system in therapy–refractory atrial flutter] Pop T, et al. **Z Kardiol** 1984 Feb;73(2):120–4 (Eng. Abstr.) **(Ger)**

[Use of transesophageal atrial stimulation in the treatment of atrial flutter. Clinical experience] Disertori M, et al. **G Ital Cardiol** 1984 Mar;14(3):153–7 (Eng. Abstr.) **(Ita)**

[Successful treatment of atrial flutter in a patient with renovascular hypertension] Pekarskiĭ VV, et al. **Kardiologiia** 1983 Dec;23(12):81–2 **(Rus)**

ATRIOVENTRICULAR BLOCK see **HEART BLOCK**

ATRIOVENTRICULAR NODE see under **HEART CONDUCTION SYSTEM**

ATROCITIES see **VIOLENCE**

ATROPHY

[Case of adrenoleukodystrophy (ALD) with clinical features of olivopontocerebellar atrophy] Tsuchida H, et al. **Rinsho Shinkeigaku** 1983 Jun;23(6):489–94 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Transcapillary and interstitial diffusion of Na–fluorescein in chronic venous insufficiency with white atrophy. Bollinger A, et al. **Int J Microcirc Clin Exp** 1982;1(1):5–17

[An unusual cause of optic atrophy in the child] Malbrel C, et al. **Bull Soc Ophtalmol Fr** 1983 Jun–Jul;83(6–7):807–8 (Eng. Abstr.) **(Fre)**

[Electrodiagnostic and histochemical studies on the effect of electric stimulation on the atrophy of denervated laryngeal muscles in animal experiments] Martin F, et al. **Laryngol Rhinol Otol (Stuttg)** 1983 Dec;62(12):590–6 (Eng. Abstr.) **(Ger)**

PATHOLOGY

[Changes in the corneal endothelium in progressive essential atrophy of the iris] Bigar F. **Bull Mem Soc Fr Ophtalmol** 1983;95:391–5 **(Fre)**

ATROPINE

Midazolam versus atropine plus pethidine as premedication in children. Sjövall S, et al. **Anaesthesia** 1984 Mar; 39(3):224–8

The safety of atropine premedication in children with Down's syndrome. Wark HJ, et al. **Anaesthesia** 1983 Sep; 38(9):871–4

The disordering effect of hyoscyamine drugs on phospholipid membranes. Hwang F, et al. **Biochim Biophys Acta** 1983 Dec 21;736(2):220–5

Comparison of i.v. glycopyrrolate and atropine in the prevention of bradycardia and arrhythmias following repeated doses of suxamethonium in children. Green DW, et al. **Br J Anaesth** 1984 Sep;56(9):981–5

[Comparative study of the oral administration of flunitrazepam with oral pentobarbital and intramuscular administration of atropine and pethidine (meperidine) as premedication] Kanto J, et al. **Anaesthesist** 1984 Mar; 33(3):133–6 (Eng. Abstr.) **(Ger)**

[Beta–blocker for Basedow's disease] Murakawa T, et al. **Masui** 1983 Oct;32(10):1263–8 (Eng. Abstr.) **(Jpn)**

ADMINISTRATION & DOSAGE

The effects of mecholyl and atropine on the muscarinic receptors in rat small intestine after long–term atropine administration in vivo. Obuchowicz E, et al. **Acta Physiol Pol** 1982 Sep–Dec;33(5–6):597–600

Efficacy of oral premedication for pediatric outpatient surgery. Brzustowicz RM, et al. **Anesthesiology** 1984 May; 60(5):475–7

Effect of inhaled atropine or metaproterenol in patients with chronic airway obstruction and therapeutic serum theophylline levels. Passamonte PM, et al. **Chest** 1984 May; 85(5):610–5

Use of atropine in connection with oral midazolam premedication. Sjövall S, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 Apr;22(4):184–8

Supernormal conduction in the right bundle branch: lack of influence of autonomic blockade. Pop T, et al. **Klin Wochenschr** 1984 May 2;62(9):423–6

[Accidental intravenous injection of adrenaline instead of atropine. Apropos of 2 cases] Otteni JC, et al. **Therapie** 1983 Sep–Oct;38(5):573–5 (Eng. Abstr.) **(Fre)**

[Quantitative control of atropine tablets and eyedrops by means of the indicator dye method] Szászné Zackó M, et al. **Acta Pharm Hung** 1983 Jul;53(4):150–3 (Eng. Abstr.) **(Hun)**

[Interaction of atropine, toxogonin and fosfakol] Prozorovskiĭ VB. **Farmakol Toksikol** 1984 Mar–Apr;47(2):33–7 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Long Q–T syndrome precipitated by atropine and hypokalemia. Prandota J, et al. **Dev Pharmacol Ther** 1983; 6(5):356–64

Effect of atropine on shooting: a field trial. Seppälä T, et al. **Milit Med** 1983 Aug;148(8):673–5

[Late dysrhythmic complication after administration of atropine] Poloński L, et al. **Kardiol Pol** 1983;26(3):261–5 (Eng. Abstr.) **(Pol)**

ANALYSIS

Liquid and poly(vinyl chloride) atropine–reineckate membrane electrodes for determination of atropine. Hassan SS, et al. **Anal Chem** 1984 Mar;56(3):542–6

[Analysis and stability of atropine sulfate and scopolamine hydrobromide. 3: Studies on the stability of tropane alkaloids; 80: contribution to problems in the use of plastic containers for liquid pharmaceuticals] Jira T, et al. **Pharmazie** 1983 Aug;38(8):520–3 (Eng. Abstr.) **(Ger)**

[Gas chromatography determination of atropine, theophylline, phenobarbital and aminophenazone in tablets] Majlát P. **Pharmazie** 1984 May;39(5):325–6 (Eng. Abstr.) **(Ger)**

ANTAGONISTS & INHIBITORS

Effect of ranitidine given before atropine sulphate on lower oesophageal sphincter tone. Brock–Utne JG, et al. **Anaesth Intensive Care** 1984 May;12(2):140–2

BLOOD

Plasma concentrations of atropine after rectal administration. Olsson GL, et al. **Anaesthesia** 1983 Dec;38(12):1179–82

Comparison of radioreceptor assay and radioimmunoassay for atropine: pharmacokinetic application. Aaltonen L, et al. **Eur J Clin Pharmacol** 1984;26(5):613–7

DIAGNOSTIC USE

Assessment of parasympathetic control of heart rate by a noninvasive method. Fouad FM, et al. **Am J Physiol** 1984 Jun;246(6 Pt 2):H838–42

The provocative test and their diagnostic value in sinus node failure. Yan HC. **Angiology** 1984 Aug;35(8):480–5

The effect of atropine on bombesin and gastrin releasing peptide stimulated gastrin, pancreatic polypeptide and neurotensin release in man. Fletcher DR, et al. **Regul Pept** 1983 Sep;7(1):31–40

[The significance of the atropine test in the diagnosis of atrioventricular block] Yuan SW, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1983 Sep; 11(3):191–2 **(Chi)**

[Clinical application of the sinus node recovery time and its comparison with the atropine test] Fan W. **Chung Hua Nei Ko Tsa Chih** 1983 Apr;22(4):211–4 (Eng. Abstr.) **(Chi)**

[The atropine test in the assessment of brain death] Cardan C, et al. **Rev Chir [Chir]** 1983 Sep–Oct;32(5):393–7 (Eng. Abstr.) **(Rum)**

[Evaluation of various methods of determining bronchial patency] Logunov OV, et al. **Klin Med (Mosk)** 1984 Apr; 62(4):54–6 (Eng. Abstr.) **(Rus)**

[Complex evaluation of the nature of atrioventricular block in children] Belokon' NA, et al. **Pediatriia** 1984 Apr;(4):5–9 (Eng. Abstr.) **(Rus)**

[Importance of the atropine test for determining the stage (variant) and prognosis of duodenal peptic ulcer] Skuia NA, et al. **Ter Arkh** 1984;56(2):8–12 (Eng. Abstr.) **(Rus)**

METABOLISM

Inhibition of atropine metabolism by organophosphate pesticides. Van der Meer MJ, et al. **Hum Toxicol** 1983 Oct; 2(4):637–40

PHARMACODYNAMICS

Methyl atropine bromide versus atropine sulphate. A clinical comparison. Rupreht J, et al. **Acta Anaesthesiol Belg** 1983 Dec;34(4):301–7

The interaction between atropine and some lipid–soluble barbiturates in rats. Bolander HG, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Feb;54(2):81–5

Factor analysis of local cerebral blood flow changes observed in physiological experiments. Szabó L, et al. **Acta Physiol Hung** 1984;63(1):43–53

Effect of autonomic blocking agents on local cerebral blood flow in the rat. Szabó L, et al. **Acta Physiol Hung** 1983; 62(3–4):191–204

The effect of linear somatostatin on the active avoidance behaviour and open–field activity on haloperidol, phenoxybenzamine and atropine pretreated rats. Vécsei L, et al. **Acta Physiol Hung** 1983;62(3–4):205–11

Atropine–resistant secretion of parotid saliva on stimulation of the auriculo–temporal nerve. Ekström J, et al. **Acta Physiol Scand** 1983 Dec;119(4):445–9

Pressor and depressor responses after cholinergic blockade in humans. Goldstein DS, et al. **Am Heart J** 1984 May;107(5 Pt 1):974–9

The effect of atropine on heart rate and oxygen consumption of the hypoxic fetus. Parer JT. **Am J Obstet Gynecol** 1984 Apr 15;148(8):1118–22

Interaction of atropine with naloxone to alter anterior pituitary hormone secretion. Huang XY, et al. **Am J Physiol** 1983 Nov;245(5 Pt 1):E502–7

Excess tachycardia: heart rate after antimuscarinic agents in conscious dogs. Rigel DF, et al. **Am J Physiol** 1984 Feb; 246(2 Pt 2):H168–73

The effect of atropine on allergen–induced increases in bronchial responsiveness to histamine. Boulet LP, et al. **Am Rev Respir Dis** 1984 Sep;130(3):368–72

Morphine sulfate inhibits bronchoconstriction in subjects with mild asthma whose responses are inhibited by atropine. Eschenbacher WL, et al. **Am Rev Respir Dis** 1984 Sep;130(3):363–7

Glycopyrrolate and atropine inhalation: comparative effects on normal airway function. Gal TJ, et al. **Am Rev Respir Dis** 1984 May;129(5):871–3

The protective effect of inhaled chlorpheniramine and atropine on bronchoconstriction stimulated by airway cooling. O'Byrne PM, et al. **Am Rev Respir Dis** 1983 Oct; 128(4):611–7

Antihistaminic versus anticholinergic effects of atropine on canine trachealis muscle. Skoogh BE, et al. **Am Rev Respir Dis** 1983 Oct;128(4):603–6

Reversal of neuromuscular block. Heart rate changes with slow injection of neostigmine and atropine mixtures. Harper KW, et al. **Anaesthesia** 1984 Aug;39(8):772–5

The oculocardiac reflex in adults. A dose response study of glycopyrrolate and atropine. Karhunen U, et al. **Anaesthesia** 1984 Jun;39(6):524–8

The effects of atropine and glycopyrrolate on intra–ocular pressure in anaesthetised elderly patients. Salem MG, et al. **Anaesthesia** 1984 Aug;39(8):809–12

Comparison of atropine and tropicamide in esotropia. Hiatt RL, et al. **Ann Ophthalmol** 1983 Apr;15(4):341–3

Radial arm maze performance of mice: acquisition and atropine effects. Levy A, et al. **Behav Neural Biol** 1983 Nov;39(2):229–40

Central vs peripheral anticholinergic effects on repeated acquisition of behavioral chains. Levy A, et al. **Behav Neural Biol** 1984 Jan;40(1):1–4

Stimulatory effect of an endogenous peptide in rat pancreatic juice on pancreatic enzyme secretion in the presence of atropine: evidence for different mode of action of stimulation from exogenous trypsin inhibitors. Fushiki T, et al. **Biochem Biophys Res Commun** 1984 Jan 30; 118(2):532–7

Rapid accumulation of inositol phosphates in isolated rat superior cervical sympathetic ganglia exposed to V1–vasopressin and muscarinic cholinergic stimuli. Bone EA, et al. **Biochem J** 1984 Aug 1;221(3):803–11

Cholinergic agonists stimulate calcium uptake and cGMP formation in human erythrocytes. Tang LC, et al. **Biochim Biophys Acta** 1984 May 16;772(2):235–8

Comparative effect of atropine on the adrenergic and muscarinic stimulation of phospholipid 32P labelling in isolated parotid cells: atropine, a possible blocker of alpha–adrenergic receptors. Imhoff V, et al. **Biol Cell** 1983; 49(1):83–6

Gastric emptying following premedication with glycopyrrolate or atropine. Clark JM, et al. **Br J Anaesth** 1983 Dec;55(12):1195–9

Atropine increases inspiratory flow during enflurane anaesthesia after pethidine premedication. Drummond GB. **Br J Anaesth** 1984 Jun;56(6):565–72

Heart rate and blood pressure responses to intravenous boluses of isoprenaline in the presence of propranolol, practolol and atropine. Arnold JM, et al. **Br J Clin Pharmacol** 1983 Aug;16(2):175–84

Dose–response studies on glycopyrrolate and atropine in conscious cardiac patients. Preiss D, et al. **Br J Clin Pharmacol** 1983 Nov;16(5):523–7

The QT interval and cycle length: the influence of atropine, hyoscine and exercise. Staniforth DH. **Br J Clin Pharmacol** 1983 Dec;16(6):615–21

The effects of atropine and secoverine on gastric secretion and motility in the mouse isolated stomach. Davison JS, et al. **Br J Pharmacol** 1983 Jun;79(2):525–9

Restoration of the nicotinic receptor–channel activity from the blockade by atropine in bullfrog sympathetic ganglia. Minota S, et al. **Brain Res** 1984 Mar 26;296(1):194–7

Presynaptic muscarinic modulation of nicotinic excitation in the rat neostriatum. Weiler MH, et al. **Brain Res** 1984 Mar 26;296(1):111–20

Electron–microscopic demonstration of the distribution of calcium deposits in the exocrine pancreas of the rat after application of carbachol, atropine, cholecystokinin, and procaine. Haase W, et al. **Cell Tissue Res** 1984; 235(3):683–90

Insulin hypoglycaemia and cholinergic blockade: response of plasma immunoreactive beta–endorphin. Copolov D, et al. **Clin Endocrinol (Oxf)** 1983 Nov;19(5):575–80

A cholinergic receptor 12–hour interval–timer displaying 'circa' periodicities. Rounds HD. **Comp Biochem Physiol [C]** 1984;77(1):59–63

Effect of somatostatin and atropine infusion on intestinal transit time and fructose absorption in the perfused human jejunum. Krejs GJ. **Diabetes** 1984 Jun;33(6):548–51

Effects of very low doses of atropine on basal acid and pepsin secretion, gastrin, and heart rate in normals and DU. Hirschowitz BI, et al. **Dig Dis Sci** 1984 Sep;29(9):790–6

Inhibitory effect of atropine on cholecystokinin–induced gallbladder contraction in man. Gullo L, et al. **Digestion** 1984;29(4):209–13

Effect of atropine on the plasma cholecystokinin response to intraduodenal fat in man. Hopman WP, et al. **Digestion** 1984;29(1):19–25

The effects of atropine on sinoatrial conduction time directly measured from sinus node electrogram. A comparison with results furnished by indirect methods. Padeletti L, et al. **Eur Heart J** 1984 Jan;5(1):27–34

A study of the atropine–resistant component of the neurogenic response of the rabbit urinary bladder. Longhurst PA, et al. **Eur J Pharmacol** 1984 Apr 6; 99(4):295–302

Inhibition of gastric emptying and secretion by pirenzepine and atropine in rats. Scarpignato C, et al. **Eur J Pharmacol** 1984 Jun 1;101(3–4):193–200

The effect of somatostatin on self–stimulation behavior in atropine– and methysergide–pretreated rats. Vécsei L, et al. **Eur J Pharmacol** 1983 Jul 15;91(1):89–93

Does atropine block antigen–induced contraction in canine bronchial rings? A preliminary report. Simonsson BG, et al. **Eur J Respir Dis** 1983 Nov;64(8):588–90

Effect of atropine on the exercise–heat performance of man. Sawka MN, et al. **Fundam Appl Toxicol** 1984 Apr;4(2 Pt 2):S190–4

Efficacy of atropine as an endoscopic premedication. Cattau EL Jr, et al. **Gastrointest Endosc** 1983 Nov;29(4):285–8

Sinus node function after autonomic blockade in normals and in sick sinus syndrome. Sethi KK, et al. **Int J Cardiol** 1984 Jun;5(6):707–19

Effects of atropine on atrial refractoriness and its dispersion in humans. Michelucci A, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 May;22(5):254–8

Membrane–bound ATP–dependent energy systems and gastric cytoprotection by prostacyclin, atropine and cimetidine in the rat. Mózsik G, et al. **Int J Tissue React** 1983;5(3):263–78

Permanent alterations in muscarinic receptors and pupil size produced by chronic atropinization in kittens. Smith EL 3d, et al. **Invest Ophthalmol Vis Sci** 1984 Feb;25(2):239–43

Bronchodilator characteristics of nebulized metaproterenol sulfate, isoetharine, and atropine in chronic asthma. Peerless AG, et al. **J Allergy Clin Immunol** 1983 Dec;72(6):702–8

Variable inhibition of histamine–induced bronchoconstriction by atropine in subjects with asthma. Sheppard D, et al. **J Allergy Clin Immunol** 1984 Jan;73(1 Pt 1):82–7

Effect of atropine sulfate on tear production in the cat when used with ketamine hydrochloride and acetylpromazine maleate. Arnett BD, et al. **J Am Vet Med Assoc** 1984 Jul 15;185(2):214–5

Neuromuscular response to resistive unloading: helium vs. bronchodilation. DeWeese EL, et al. **J Appl Physiol** 1984 May;56(5):1308–13

Heat exchange following atropine injection before and after heat acclimation. Kolka MA, et al. **J Appl Physiol** 1984 Apr;56(4):896–9

Atropine–induced alterations of normal development of muscarinic receptors in the embryonic chick heart. Kirby ML, et al. **J Mol Cell Cardiol** 1983 Oct;15(10):685–96

Tonic vasomotor control by the rostral ventrolateral medulla: effect of electrical or chemical stimulation of the area containing C1 adrenaline neurons on arterial pressure, heart rate, and plasma catecholamines and vasopressin. Ross CA, et al. **J Neurosci** 1984 Feb;4(2):474–94

Nasotracheal intubation in the neonate: physiologic responses and effects of atropine and pancuronium. Kelly MA, et al. **J Pediatr** 1984 Aug;105(2):303–9

Effect of secoverine and atropine on intestinal secretion and motor activity in the rat small intestine in–vivo. Greenwood B, et al. **J Pharm Pharmacol** 1984 Feb; 36(2):100–6

Effects of cholinergic and adrenergic drugs on intraluminal pressures and contractility of the rat testis and epididymis in vivo. Pholpramool C, et al. **J Reprod Fertil** 1984 May; 71(1):181–8

Electrophysiologic effects of atropine and isoproterenol on the cardiac conduction system in familial amyloid polyneuropathy. Horio Y, et al. **Jpn Circ J** 1984 May; 48(5):474–83

Effects of atropine and guanethidine on canine intestinal absorption and blood flow. Mailman D. **Life Sci** 1984 Apr 2;34(14):1309–15

Capsaicin pretreatment inhibits vagal cholinergic and non–cholinergic control of pulmonary mechanics in the guinea pig. Martling CR, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Apr; 325(4):343–8

Soman–induced depression of brain activity in TAB–pretreated rats: 2–deoxyglucose study. Pazdernik TL, et al. **Neurotoxicology (Park Forest II)** 1983 Winter; 4(4):27–34

Anticholinergic premedication in infants: a comparison of atropine and glycopyrrolate on heart rate, demeanor, and facial flushing. Cozanitis DA, et al. **Pediatr Pharmacol (New York)** 1984;4(1):7–10

Chronic atropine treatment causes increase in VIP receptors in rat cerebral cortex. Abens J, et al. **Peptides (Fayetteville)** 1984 Mar–Apr;5(2):375–7

Somatostatin, prostaglandin E2 and atropine inhibition of the gastric actions of bombesin in the dog. Hirschowitz BI, et al. **Peptides (Fayetteville)** 1984 Jan–Feb;5(1):29–34

Effects of mecamylamine, nicotine, atropine and physostigmine on the phencyclidine–induced behavioral toxicity. Chaturvedi AK. **Pharmacol Biochem Behav** 1984 Apr;20(4):559–66

Effects of methamphetamine on atropine–induced conditioned gustatory avoidance. Preston KL, et al. **Pharmacol Biochem Behav** 1984 Apr;20(4):601–7

The effect of beta–(Tyr9)melanotropin–(9–18) on the active avoidance and open–field behavior on rats pretreated with atropine or propranolol. Vécsei L, et al. **Pharmacol Res Commun** 1984 Apr;16(4):369–79

Effect of atropine on rat basal pancreatic secretion during return or diversion of bile–pancreatic juice. Miyasaka K, et al. **Proc Soc Exp Biol Med** 1983 Nov;174(2):187–92

Blockade of the acetylcholine–and histamine–induced changes in the permeability of the blood–brain barrier of normotensive and spontaneously hypertensive rats by atropine and pyrilamine. Domer FR, et al. **Res Commun Chem Pathol Pharmacol** 1983 Oct; 42(1):157–60

Effects on cardiac rhythm of premedication with atropine or glycopyrrolate. Shipton EA, et al. **S Afr Med J** 1984 Aug 25;66(8):287–8

The effect of insulin–induced hypoglycemia with and without atropine on plasma vasoactive intestinal polypeptide in man. Lygren I, et al. **Scand J Gastroenterol** 1983 Jan; 18(1):155–9

Effect of atropine on pancreatic bicarbonate output and plasma concentrations of immunoreactive secretin in response to intraduodenal stimulants. Niebel W, et al. **Scand J Gastroenterol** 1983 Sep;18(6):803–8

Atropine inhibits bone resorption induced by high dose of zinc in rats. Yamaguchi M. **Toxicol Lett** 1983 Jul; 17(3–4):259–61

[Anticholinergic action of neuroleptics and antidepressives on the guinea pig ileum. Comparison with atropine and pirenzepine] Alvarez Gonzalez FJ, et al. **J Pharmacol** 1984 Apr–Jun;15(2):177–84 (Eng. Abstr.) **(Fre)**

[Effect of premedication with atropine and propranolol on the cardiovascular system in esophagogastroduodenoscopy] Raabe A, et al. **Z Arztl Fortbild (Jena)** 1983;77(18):761–5 **(Ger)**

[Effect of atropine on vasodilation induced by parasympathetic stimulation in the rabbit submandibular gland] Fazekas A, et al. **Fogorv Sz** 1983 Jul;76(7):196–8 (Eng. Abstr.) **(Hun)**

[Release of papaverine and atropine from various suppository bases in vitro] Danielak R, et al. **Acta Pol Pharm** 1983; 40(3):367–70 (Eng. Abstr.) **(Pol)**

[Ornid but not atropine abolishes the insulin receptor reaction of fat and liver plasma membranes to fasting and hyperinsulinemia] Bezdrobnyĭ IuV, et al. **Fiziol Zh SSSR** 1984 Feb;70(2):200–5 (Eng. Abstr.) **(Rus)**

[Action of atropine on smooth muscle contractions after administering alpha–adrenoreceptor blockaders] Itina LV, et al. **Fiziol Zh SSSR** 1984 Feb;70(2):173–9 (Eng. Abstr.) **(Rus)**

[Atropine blocking of the inhibitory effect of cholecystokinin on the drinking reflex in the rat] Serova ON. **Zh Vyssh Nerv Deiat** 1984 May–Jun;34(3):584–5 **(Rus)**

[Effect of atropine, hydrocortisone and propranolol on cardiorespiratory changes caused by allergic bronchoconstriction in rabbits] Javorka K, et al. **Bratisl Lek Listy** 1983 Sep;80(3):304–15 (Eng. Abstr.) **(Slo)**

[Effect of the interaction of atropine, amphetamine and reserpine on the body temperature of the conscious rat] Milanés MV, et al. **Arch Farmacol Toxicol** 1983 Aug; 9(2):141–50 (Eng. Abstr.) **(Spa)**

[Evaluation of sinus function with and without pharmacological autonomic block in man] Rodrigo Trallero G, et al. **Rev Esp Cardiol** 1983;36(3):221–8 (Eng. Abstr.) **(Spa)**

POISONING

Atropine toxicity in identical twins. Sanitato JJ, et al. **Ann Ophthalmol** 1983 Apr;15(4):380–2

Atropine poisoning in Hawthorne's The Scarlet Letter. Khan JA. **N Engl J Med** 1984 Aug 9;311(6):414–6

THERAPEUTIC USE

A comparative study on the analgesic effects of indomethacin and hydromorphinechloride–atropine in acute, ureteral–stone pain. Udén P, et al. **Acta Chir Scand** 1983; 149(5):497–9

Organophosphate poisoning [letter] Reese TV. **Am Fam Physician** 1984 Feb;29(2):45, 47

Failure of IV atropine to abolish nasal irritation caused by chlormethiazole infusion in elderly patients undergoing spinal anaesthesia. Seow LT, et al. **Anaesth Intensive Care** 1984 May;12(2):127–30

Atropine: animal models. Rosborough JP. **Ann Emerg Med** 1984 Sep;13(9 Pt 2):813–5

Atropine in asystole: human studies. Stueven HA, et al. **Ann Emerg Med** 1984 Sep;13(9 Pt 2):815–7

Atropine treatment of reflex anoxic seizures. McWilliam RC, et al. **Arch Dis Child** 1984 May;59(5):473–5

Pattern of change of bronchomotor tone following reversal of neuromuscular blockade. Comparison between atropine and glycopyrrolate. Hammond J, et al. **Br J Anaesth** 1983 Oct;55(10):955–9

Effect of inhaled glycopyrrolate and atropine in asthma. Precipitated by exercise and cold air inhalation. Johnson BE, et al. **Chest** 1984 Mar;85(3):325–8

Low dose antacid therapy for duodenal ulcer. Kumar N, et al. **Indian J Gastroenterol** 1983 Jul;2(2):83–4

Effect of the combinations atropine + cyproheptadine and atropine + carbenoxolone in duodenal ulcer therapy. Tárnok F, et al. **Int J Tissue React** 1983;5(3):315–21

Organophosphate poisoning presenting as diabetic ketoacidosis. Zadik Z, et al. **J Toxicol Clin Toxicol** 1983 Jun;20(4):381–5

Mucosal damage following electrical stimulation of the anterior cingulate cortex and pretreatment with atropine and cimetidine. Henke PG. **Pharmacol Biochem Behav** 1983 Sep;19(3):483–6

Atropine in the abstinence after chronic barbital treatment in the rat. Wahlström G. **Pharmacol Biochem Behav** 1980; 13 Suppl 1:249–55

Premedication in upper gastrointestinal endoscopy. A comparison of glucagon and atropine given in combination with diazepam and pethidine. Gerner T, et al. **Scand J Gastroenterol** 1983 Oct;18(7):925–8

Clinical observations with Reasec in the treatment of elderly patients. Zdichynec B. **Ther Hung** 1981;29(4):191–2

[Experiences with hydrostatic reposition of juvenile intestinal invagination—improvement of results with atropine premedication] Grahl KO. **Radiol Diagn (Berl)** 1983; 24(5):619–26 (Eng. Abstr.) **(Ger)**

[Premedication with atropine in gastroenterologic endoscopy and biopsy] Berndt H. **Z Arztl Fortbild (Jena)** 1983; 77(18):753–4 **(Ger)**

[Reduction, by atropine, of symptomatic shock induced by PGF2 alpha in the dog] Minoia P, et al. **Boll Soc Ital Biol Sper** 1984 May 30;60(5):907–12 (Eng. Abstr.) **(Ita)**

[Catamnestic evaluation of the effectiveness of atropine coma] Galuszko P, et al. **Psychiatr Pol** 1983 Sep–Dec; 17(5–6):383–7 (Eng. Abstr.) **(Pol)**

[Experience with the use of atropine–coma therapy] Litvinenko VI, et al. **Vrach Delo** 1984 May;(5):107–8 (Eng. Abstr.) **(Rus)**

TOXICITY

Comparison of some postanaesthetic effects of atropine and glycopyrrolate with particular emphasis on urinary problems. Orko R, et al. **Acta Anaesthesiol Scand** 1984 Feb; 28(1):112–5

The effect of intraocular dilating solution on cat endothelium. Hammer ME, et al. **Ophthalmic Surg** 1984 Jul;15(7):585–7

ATROPINE DERIVATIVES

The disordering effect of hyoscyamine drugs on phospholipid membranes. Hwang F, et al. **Biochim Biophys Acta** 1983 Dec 21;736(2):220–5

ADMINISTRATION & DOSAGE

Nebulised ipratropium bromide and salbutamol causing closed–angle glaucoma [letter] Packe GE, et al. **Lancet** 1984 Sep 22;2(8404):691

Comparison of conventional and ultrasonic nebulisation of bronchodilator drugs in asthmatic subjects. Sears MR.

NZ Med J 1983 Nov 9;96(743 Pt 2):927-9
A dose-response and duration of action assessment of a combined preparation of fenoterol and ipratropium bromide (Duovent). Packe GE, et al. **Postgrad Med J** 1984; 60 Suppl 1:18-22
The Blo-Bag, a disposable spacer. Woodcock A, et al. **Postgrad Med J** 1984;60 Suppl 1:37-9
Possibilities of reducing the efficient dose of fenotherol by combining it with ipratropiumbromide in bronchial asthma. Anastasatu C, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:929-30
Intranasal ipratropium in the treatment of vasomotor rhinitis. Jokinen K, et al. **Rhinology** 1983 Dec;21(4):341-5
Assessment of the clinical usefulness of nebulised ipratropium bromide in patients with chronic airflow limitation. Brown IG, et al. **Thorax** 1984 Apr;39(4):272-6
[Possibilities of reducing the doses of beta-adrenergic bronchodilators (Berotec) in combination with an anticholinergic drug (Atrovent) in bronchial asthma] Anastasatu C, et al. **Rev Ig [Pneumoftiziol]** 1983 Jul-Sep; 32(3):257-60 (Eng. Abstr.) **(Rum)**
[Comparison by double-blind study of the combination of an aerosol of salbutamol and ipratropium bromide and its individual effect in chronic bronchitis and bronchial asthma] Baños Hidalgo P, et al. **Rev Clin Esp** 1983 Nov 30;171(4):265-8 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Bronchoconstriction induced by ipratropium bromide in asthma: relation to hypotonicity. Mann JS, et al. **Br Med J [Clin Res]** 1984 Aug 25;289(6443):469
The absence of systemic side-effects from high doses of ipratropium in the nose. Groth S, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 2):490-3

CHEMICAL SYNTHESIS

Photoaffinity labeling of the solubilized, partially purified muscarinic acetylcholine receptor from porcine atria by p-azidoatropine methyl iodide. Cremo C, et al. **Biochemistry** 1984 Jul 17;23(15):3494-501

DIAGNOSTIC USE

Selectivity of anticholinergic drugs on central and peripheral airways in normal subjects. Pistelli R, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 2):499-502
[Effect of deep inspiration on Vmax in the normal control and patients with bronchial asthma--evaluation by the airway reversibility test with ipratropium bromide inhalation] Fujimura M, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Jul;21(7):653-8 (Eng. Abstr.) **(Jpn)**
[Studies on airway reversibility test by ipratropium bromide (Sch 1000) inhalation using partial and maximum expiratory flow-volume curve] Shibayama M, et al. **Rinsho Byori** 1984 Mar;32(3):317-22 **(Jpn)**

METABOLISM

Direct labelling of ipratropium bromide aerosol and its deposition pattern in normal subjects and patients with chronic bronchitis. Spiro SG, et al. **Thorax** 1984 Jun; 39(6):432-5

PHARMACODYNAMICS

Methyl atropine bromide versus atropine sulphate. A clinical comparison. Rupreht J, et al. **Acta Anaesthesiol Belg** 1983 Dec;34(4):301-7
Effect of methylbromidatropine and its interaction with cannabis on conditioned food motor reflexes in cats. Medek A, et al. **Acta Univ Palacki Olomuc Fac Med** 1976;80:223-9
Excess tachycardia: heart rate after antimuscarinic agents in conscious dogs. Rigel DF, et al. **Am J Physiol** 1984 Feb; 246(2 Pt 2):H168-73
Effect of aerosols of salbutamol and atrovent administered alone and in combination on tracheal mucous velocity in vitro. Tarchalski J, et al. **Arch Monaldi** 1982 Jan-Apr; 37(1-2):109-12
Radial arm maze performance of mice: acquisition and atropine effects. Levy A, et al. **Behav Neural Biol** 1983 Nov;39(2):229-40
Central vs peripheral anticholinergic effects on repeated acquisition of behavioral chains. Levy A, et al. **Behav Neural Biol** 1984 Jan;40(1):1-4
Dose-response relationships of intravenous hyoscine butylbromide and atropine sulphate on heart rate in healthy volunteers. Grainger SL, et al. **Br J Clin Pharmacol** 1983 Dec;16(6):623-6
Protection by ipratropium bromide and metaproterenol against methacholine and histamine bronchoconstriction. Nair N, et al. **Clin Allergy** 1984 Jan;14(1):11-9
Effects of ipratropium bromide and fenoterol aerosols on exercise tolerance. Tobin MJ, et al. **Eur J Respir Dis** 1984 Aug;65(6):441-6
Effects of 8-(2-fluoroethyl)-3 alpha-hydroxy-1 alpha H, 5 alpha H-tropaniumbromide benzilate (Ba598Br) on allergy- and drug-induced asthmas. Yanaura S, et al. **Jpn J Pharmacol** 1983 Oct;33(5):971-82
A comparison of the antimuscarinic effects of pirenzepine and N-methylatropine on ganglionic and vascular muscarinic receptors in the rat. Wess J, et al. **Life Sci** 1984 Jul 30;35(5):553-60
Influence of the inhalative aerosol Atrovent on airway resistance and intrathoracic gas volume in healthy volunteers of different ages. Islam MS, et al. **Respiration** 1984;45(3):225-31
Pharmacological effects and determination of the morphological distribution of powder aerosols containing fenoterol hydrobromide and ipratropium bromide. Traunecker W, et al. **Respiration** 1984;45(3):271-5
The role of the sympathetic nervous system in atropine-induced tachycardia in conscious cats. Samonina GE, et al. **Scand J Clin Lab Invest** 1983 Sep;43(5):389-92
[Pharmacological studies on bisatropinium bromide, a new muscle relaxant] Chen GK, et al. **Yao Hsueh Hsueh Pao** 1984 Jan;19(1):21-7 (Eng. Abstr.) **(Chi)**
[Hemodynamic effects of ipratropium bromide in comparison with atrial stimulation] Bergbauer M, et al. **Arzneimittelforsch** 1983;33(7):977-9 (Eng. Abstr.) **(Ger)**
[Effect of Berotec, Atrovent and Becotide on histamine-induced bronchial spasm in patients with chronic bronchitis] Kurgan J. **Pneumonol Pol** 1983 Nov; 51(11):561-8 (Eng. Abstr.) **(Pol)**

POISONING

[Therapeutic errors. The atropine syndrome (Appien-Plutarque syndrome)] Nemery A, et al. **Rev Med Liege** 1983 Dec 15;38(24):927-9 **(Fre)**

THERAPEUTIC USE

Combined therapy with ipratropium and theophylline in asthma. Kreisman H, et al. **Ann Allergy** 1984 Feb;52(2):90-3
Ineffectiveness of ipratropium bromide in acute bronchiolitis. Henry RL, et al. **Arch Dis Child** 1983 Nov;58(11):925-6
Nebulised ipratropium bromide and sodium cromoglycate in the first two years of life. Henry RL, et al. **Arch Dis Child** 1984 Jan;59(1):54-7
Bronchodilator responses to nebulised ipratropium and salbutamol singly and in combination in chronic bronchitis. Chan CS, et al. **Br J Clin Pharmacol** 1984 Jan;17(1):103-5
Double blind cross over trial of ipratropium and placebo in chronic rhinorrhoea. von Haacke NP, et al. **Br Med J [Clin Res]** 1983 Oct 29;287(6401):1258-9
Sputum changes associated with the use of ipratropium bromide. Ghafouri MA, et al. **Chest** 1984 Sep;86(3):387-93
Ipratropium (Atrovent) in the treatment of vasomotor rhinitis of elderly patients. Malmberg H, et al. **Clin Otolaryngol** 1983 Aug;8(4):273-6
Ipratropium treatment for rhinorrhoea in patients with perennial rhinitis. An open follow-up study of efficacy and safety. Schultz Larsen F, et al. **Clin Otolaryngol** 1983 Aug; 8(4):267-72
A comparison of oxitropium bromide and ipratropium bromide in asthma. Peel ET, et al. **Eur J Respir Dis** 1984 Feb;65(2):106-8
Protective effect of fenoterol spray, ipratropium bromide plus fenoterol spray, and oral clenbuterol, on exercise-induced asthma in children. Double blind controlled and randomized clinical trial. Agostini M, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 2):529-32
Combination of fenoterol and ipratropium bromide in the treatment of bronchial asthma. Alanko K, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 2):546-7
Intranasal ipratropium bromide for paroxysmal rhinorrhoea. Bok HE, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 2):486-9
Salbutamol versus Duovent (a combination of fenoterol and ipratropium bromide) in asthma. Flint K, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 2):548-50
Acute effect of ipratropium bromide at therapeutic dose on mucus transport of adult asthmatics. Foster WM, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 2):554-7
Effect of a cholino-ceptor antagonist in the nose. Mygind N, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 1):167-74
Nebulised ipratropium bromide in wheezy infants and young children. Stokes GM, et al. **Eur J Respir Dis [Suppl]** 1983; 128 (Pt 2):494-8
Comparative effects of SCH 1000 and fenoterol after histamine-induced bronchoconstriction in asymptomatic asthmatics. Scano G, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 Feb;22(2):81-5
Effect of inhaled ipratropium bromide on tracheal mucociliary transport in bronchial asthma. Bell JA, et al. **Mt Sinai J Med (NY)** 1984 Apr;51(2):215-7
Anticholinergic drugs in airways obstruction. Anderson G. **Postgrad Med J** 1983;59 Suppl 3:64-5
Ipratropium bromide in patients with nocturnal asthma. Cox ID, et al. **Postgrad Med J** 1984 Aug;60(706):526-8
Comparison of Duovent and salbutamol inhalers in chronic stable asthma. Fischbacher CM, et al. **Postgrad Med J** 1984; 60 Suppl 1:28-31
A comparison between a combination of ipratropium bromide plus fenoterol in a single metered dose inhaler (Duovent) and salbutamol in asthma. Flint KC, et al. **Postgrad Med J** 1983 Nov;59(697):724-5
Response to Duovent of chronic reversible airways obstruction--a controlled trial in general practice. Morton O. **Postgrad Med J** 1984;60 Suppl 1:32-5
The background to Duovent. Phillips VJ. **Postgrad Med J** 1984;60 Suppl 1:13-7
Combination therapy--a review of clinical studies. Rudolf M. **Postgrad Med J** 1984;60 Suppl 1:9-12
A comparison of effects of inhaling a combined preparation of fenoterol with ipratropium bromide (Duovent) with those of fenoterol and salbutamol. Tang OT, et al. **Postgrad Med J** 1984;60 Suppl 1:24-7
Bronchial responsiveness to hyperventilation in children with asthma: inhibition by ipratropium bromide. Wilson N, et al. **Thorax** 1984 Aug;39(8):588-93
[Combination aerosol for bronchial asthma in childhood] Klabuschnigg A, et al. **Padiatr Padol** 1983;18(4):347-53 (Eng. Abstr.) **(Ger)**
[Effect of the inhalation of an atropine derivative (ipratropium bromide) in powder form on respiratory mechanics in obstructive airway diseases] Götz R, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:927-8 (Eng. Abstr.) **(Ger)**
[Vagus block in the therapy of bradycardial arrhythmias--the role of autonomic balance] Weber H, et al. **Z Gesamte Inn Med** 1984 May 1;39(9):177-81 (Eng. Abstr.) **(Ger)**
[Effect of carbuterol and of a fenoterol-ipratropium bromide combination on mucociliary transport in chronic bronchitis] Olivieri D, et al. **Arch Monaldi** 1983 May-Jun;38(3):63-72 (Eng. Abstr.) **(Ita)**
[Clinical use of atrovent] Zamotaev IP, et al. **Klin Med (Mosk)** 1984 Apr;62(4):50-4 **(Rus)**
[Effectiveness of disodium cromoglycate, salbutamol, and ipratropium bromide in the inhibition of exercise-induced bronchospasm] Vázquez C, et al. **An Esp Pediatr** 1984 May; 20(8):756-62 (Eng. Abstr.) **(Spa)**
[Fenoterol, ipratropium bromide and their combination in bronchial asthma] Palenciano L, et al. **Med Clin (Barc)** 1984 Apr 14;82(14):617-20 (Eng. Abstr.) **(Spa)**

ATTACHMENT SITES (MICROBIOLOGY) see under **LYSOGENY**

ATTENDING PHYSICIANS, HOSPITAL see **MEDICAL STAFF, HOSPITAL**

ATTENTION

Attention problems in adult epileptic patients. Loiseau P, et al. **Acta Neurol Scand [Suppl]** 1984;99:31-4
Interference effects in an auditory Stroop task: congruence and correspondence. Green EJ, et al. **Acta Psychol (Amst)** 1983 Oct;53(3):183-94
Focused and divided attention to dichotic wordstreams. Keuss PJ, et al. **Acta Psychol (Amst)** 1983 Oct;53(3):217-29
Can attention give a left-ear advantage for verbal stimuli? Murray MR. **Acta Psychol (Amst)** 1983 Oct;53(3):243-52
An asymmetry in the control of eye movements and shifts of attention. Shulman GL. **Acta Psychol (Amst)** 1984 Feb; 55(1):53-69
Noise and task induced distraction effects on information processing: sex differences in smokers and non-smokers. Knott VJ. **Addict Behav** 1984;9(1):79-84
Different 'types' of cigarette smokers received similar effects from smoking. Williams DG, et al. **Addict Behav** 1984; 9(2):207-10
Heart rate and reaction times for mentally retarded and nonretarded adults in subject- and experimenter-initiated tasks. Gardepe JP, et al. **Am J Ment Defic** 1983 Nov; 88(3):314-20
Mental retardation, inspection time, and central attentional impairment. Nettelbeck T, et al. **Am J Ment Defic** 1984 Jul;89(1):91-8
Neglect in children. Ferro JM, et al. **Ann Neurol** 1984 Mar; 15(3):281-4
Attentional bias between modalities: effect on the internal clock, memory, and decision stages used in animal time discrimination. Meck WH. **Ann NY Acad Sci** 1984; 423:528-41
Attentional effort and cognitive strategies in the processing of temporal information. Michon JA, et al. **Ann NY Acad Sci** 1984;423:298-321
On controlling force and time in rhythmic movement sequences: the effect of stress location. Semjen A, et al. **Ann NY Acad Sci** 1984;423:168-82
Posterior internal capsule infarction associated with neglect. Ferro JM, et al. **Arch Neurol** 1984 Apr;41(4):422-4
Distraction and contingent reinforcement with pediatric dental patients. Ingersoll BD, et al. **ASDC J Dent Child** 1984 May-Jun;51(3):203-7
A travel training travel. Reducing wandering in a residential center for developmentally disabled persons. Padgett WL, et al. **Behav Modif** 1984 Jul;8(3):317-30
Attention and regulation of EEG alpha-attenuation responses. Mulholland T, et al. **Biofeedback Self Regul** 1983 Dec;8(4):585-600
Event-related potentials during selective attention to speech sounds. Hansen JC, et al. **Biol Psychol** 1983 May-Jun; 16(3-4):211-24
Effects of distraction on thinking and affect in depressed patients. Fennell MJ, et al. **Br J Clin Psychol** 1984 Feb; 23 (Pt 1):65-6
Distractibility among paranoid and non-paranoid schizophrenics using subtests matched for discriminating power. Finkelstein RJ. **Br J Clin Psychol** 1983 Nov;22 (Pt 4):237-44
Intelligence and inspection time in normal and mentally retarded subjects. Hulme C, et al. **Br J Psychol** 1983 Aug; 74 (Pt 3):365-70

Comments on Hughes and Sussman's time-sharing study of cerebral laterality in language-disordered and normal children. Kee DW. **Brain Lang** 1984 Jul;22(2):354–8

Writing induces a right hemisphere linguistic advantage in dysphonetic dyslexic children: implications for attention and capacity models of laterality. Kershner J, et al. **Brain Lang** 1984 Jan;21(1):105–22

Perceptual interference between spatially separate sequential displays. Di Lollo V, et al. **Can J Psychol** 1983 Sep; 37(3):414–28

Memory and search in loud noise. Fisher S. **Can J Psychol** 1983 Sep;37(3):439–49

Cognitive resource demands of reading normal and transformed typography. Masson ME, et al. **Can J Psychol** 1983 Jun;37(2):243–57

The effects of developmental delay on sustained attention in young children. Krakow JB, et al. **Child Dev** 1983 Oct; 54(5):1143–55 (28 ref.)

Age and handicapped group differences in infants' visual attention. Lewis M, et al. **Child Dev** 1984 Jun;55(3):858–68

Children's television viewing: attention and comprehension of auditory versus visual information. Pezdek K, et al. **Child Dev** 1983 Aug;54(4):1015–23

Three-year follow-up at age 10 of children with minor neurodevelopmental disorders. II: School achievement problems. Gillberg IC, et al. **Dev Med Child Neurol** 1983 Oct;25(5):566–73 (6 ref.)

Younger and older adults' attention to relevant and irrelevant stimuli in free recall. Pavur EJ Jr, et al. **Exp Aging Res** 1984 Spring;10(1):59–60

Young children's understanding of the effect of noise and interest level on learning. Miller PH, et al. **Genet Psychol Monogr** 1984 Aug;110(1ST Half):71–90

The selective attention of learning-disabled children: three studies. Copeland AP, et al. **J Abnorm Child Psychol** 1984 Sep;12(3):455–70

Selective attention and rehearsal in the auditory short-term memory task performance of poor and normal readers. Ford CE, et al. **J Abnorm Child Psychol** 1984 Mar; 12(1):127–41

The computerized continuous performance task: a new measure of inattention. Klee SH, et al. **J Abnorm Child Psychol** 1983 Dec;11(4):487–95

Cross-sectional and longitudinal observations of activity level and sustained attention in a normative sample. Milich R. **J Abnorm Child Psychol** 1984 Jun;12(2):261–75

A developmental study of vigilance in learning-disabled and nondisabled children. Swanson HL. **J Abnorm Child Psychol** 1983 Sep;11(3):415–29

Suggestion and distraction in the control of pain: test of two hypotheses. Farthing GW, et al. **J Abnorm Psychol** 1984 Aug;93(3):266–76

Hyperactive and hypoxic children: signal detection, sustained attention, and behavior. O'Dougherty M, et al. **J Abnorm Psychol** 1984 May;93(2):178–91

Effects of suggestion and distraction on reported pain in subjects high and low on hypnotic susceptibility. Spanos NP, et al. **J Abnorm Psychol** 1984 Aug;93(3):277–84

Monitoring for vowels in isolation and in a consonantal context. Rakerd B, et al. **J Acoust Soc Am** 1984 Jul; 76(1):27–31

Empirical corroboration of attention deficit disorder. Edelbrock C, et al. **J Am Acad Child Psychiatry** 1984 May; 23(3):285–90

Are attention deficit disorders with and without hyperactivity similar or dissimilar disorders? Lahey BB, et al. **J Am Acad Child Psychiatry** 1984 May;23(3):302–9

Restriction of pursuit eye movement range during a concurrent auditory task. Malmstrom FV, et al. **J Appl Psychol** 1983 Nov;68(4):565–71

Stimulus overselectivity in autistic and mentally retarded children—a research note. Frankel F, et al. **J Child Psychol Psychiatry** 1984 Jan;25(1):147–55

Attentional deficits in long-term survivors of childhood acute lymphoblastic leukemia (ALL). Brouwers P, et al. **J Clin Neuropsychol** 1984 Aug;6(3):325–36

Pigeons' spatial memory: III. Effect of distractors on delayed matching of key location. Wilkie DM. **J Exp Anal Behav** 1983 Sep;40(2):143–51

The influence of task variation and maintenance tasks on the learning and affect of autistic children. Dunlap G. **J Exp Child Psychol** 1984 Feb;37(1):41–64

Children and adults' distance estimations in a large-scale environment: effects of time and clutter. Herman JF, et al. **J Exp Child Psychol** 1983 Dec;36(3):453–70

Effect of signaling intertrial unconditioned stimuli in autoshaping. Durlach PJ. **J Exp Psychol [Anim Behav]** 1983 Oct;9(4):374–89

Resource allocation and the attentional demands of letter encoding. Johnson PJ, et al. **J Exp Psychol [Gen]** 1983 Dec;112(4):616–38

Global and local precedence: selective attention in form and motion perception. Pomerantz JR. **J Exp Psychol [Gen]** 1983 Dec;112(4):516–40

Expectancy and dual-task interference. Lansman M, et al. **J Exp Psychol [Hum Percept]** 1984 Apr;10(2):195–204

The effects of visual and spatial interference on spatial working memory. Beech JR. **J Gen Psychol** 1984 Apr; 110(2d Half):141–9

Parafoveal identification asymmetry in a lateral masking effect. Chastain G. **J Gen Psychol** 1983 Jul;109(1st Half):77–81

Attention to stimuli, verbal labeling, and question asking in referential communication. Quay LC, et al. **J Gen Psychol** 1984 Apr;110(2d Half):267–74

Developmental changes in children's attention to visual dimensions of people. Brody LR, et al. **J Genet Psychol** 1983 Dec;143(2d Half):285–6

Data-driven and memory-driven selective attention in visual search. Madden DJ. **J Gerontol** 1984 Jan;39(1):72–8

Memory, attention, and functional status in community-residing Alzheimer type dementia patients and optimally healthy aged individuals. Vitaliano PP, et al. **J Gerontol** 1984 Jan;39(1):58–64

Effect of mental activity during walking on autoregressive power spectrum of step length. Yamasaki M, et al. **J Hum Ergol (Tokyo)** 1983 Sep;12(1):95–8

Clinical and etiological implications of a specific attention deficit in schizophrenia. Spaulding W, et al. **J Nerv Ment Dis** 1984 May;172(5):279–86

Perceptual span in schizophrenia and affective disorders. Strauss ME, et al. **J Nerv Ment Dis** 1984 Jul;172(7):431–5

Type A and type B attentional responses to aesthetic stimuli: effects on mood and performance. Strube MJ, et al. **J Pers Soc Psychol** 1983 Dec;45(6):1369–79

Hypnotic susceptibility and performance on various attention-specific cognitive tasks. Wallace B, et al. **J Pers Soc Psychol** 1984 Jul;47(1):175–81

Consequences of schemata for attention, impressions, and recall in complex social interactions. White JD, et al. **J Pers Soc Psychol** 1983 Sep;45(3):538–49

The effect of distraction on focal attention in paranoid and non-paranoid schizophrenic patients compared to normals and non-psychotic psychiatric patients. Rund BR. **J Psychiatr Res** 1982–83;17(3):241–50

The effects of redundant communications on listeners: why different types may have different effects. Sonnenschein S. **J Psycholinguist Res** 1984 Mar;13(2):147–66

Effects of talker and of listener bias on stimulus dominance in dichotic listening. Speaks C, et al. **J Speech Hear Res** 1983 Sep;26(3):378–82

Selective attention to facial identity and facial emotion. Etcoff NL. **Neuropsychologia** 1984;22(3):281–95

The effect of asymmetrically focused attention upon subsequent ear differences in dichotic listening. Hiscock M, et al. **Neuropsychologia** 1984;22(3):337–51

Hemispheric asymmetries in a signal detection task. Andreassi JL, et al. **Percept Mot Skills** 1983 Dec;57(3 Pt 1):923–9

Hemisphere dominance, cognitive complexity, and nonverbal sensitivity. Domangue BB. **Percept Mot Skills** 1984 Feb; 58(1):3–20

Effect of subliminal visual material on an auditory signal detection task. Moroney E, et al. **Percept Mot Skills** 1984 Feb;58(1):103–13

Attentional requirements for location and distance of movement: encoding and recognition. Toole T, et al. **Percept Mot Skills** 1984 Jun;58(3):939–44

Time estimation of a secondary event. Tsao YC, et al. **Percept Mot Skills** 1983 Dec;57(3 Pt 2):1051–5

The creation and reversal of the Müller-Lyer illusion through attentional manipulation. Coren S, et al. **Perception** 1983;12(1):49–54

Parafoveal words are effective in both hemifields: preattentive processing of semantic and phonological codes. Underwood G, et al. **Perception** 1983;12(2):213–21

Concentration and mnemonic training in elderly subjects with memory complaints: a study of combined therapy and order effects. Yesavage JA, et al. **Psychiatry Res** 1983 Jun; 9(2):157–67

Memory retrieval deficits based upon altered contextual cues: a paradox. Riccio DC, et al. **Psychol Bull** 1984 Jul; 96(1):152–65

Task and contrast effects on performance with parafoval stimulus pairs. Chastain G. **Psychol Res** 1983;45(2):147–56

Attention and sensitivity in visual search. Prinz W. **Psychol Res** 1984;45(4):355–66

Attention disturbance in Graves' disease. Alvarez MA, et al. **Psychoneuroendocrinology** 1983;8(4):451–4

Cardiac response to speech sounds in preterm infants: effects of postnatal illness at three months. Fox NA, et al. **Psychophysiology** 1983 Sep;20(5):481–8

On the dependence of P300 latency on stimulus evaluation processes. Magliero A, et al. **Psychophysiology** 1984 Mar; 21(2):171–86

Spontaneous vigilance fluctuations in the daytime. Okawa M, et al. **Psychophysiology** 1984 Mar;21(2):207–11

Information processing and attentional functioning in the developmental course of schizophrenic disorders. Nuechterlein KH, et al. **Schizophr Bull** 1984;10(2):160–203

Effects of sleep deprivation on signal detection measures of vigilance: implications for sleep function. Horne JA, et al. **Sleep** 1983;6(4):347–58

Signal detection theory as applied to vigilance performance of sleep-deprived subjects. Naitoh P. **Sleep** 1983; 6(4):359–61

[Neuropsychological study of decline of attention and drug therapy of patients with Alzheimer's disease] Tecce JJ, et al. **Presse Med** 1983 Dec 29;12(48):3155–62 (Eng. Abstr.) **(Fre)**

[Results of concentration training in normally intelligent students with poor concentration] Vehreschild T, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1984 Mar; 36(3):152–60 (Eng. Abstr.) **(Ger)**

[Perceptual latencies, attention and air sickness] Sparvieri F. **Riv Med Aeronaut Spaz** 1982 Jan-Dec;47(1-4):85–98 (Eng. Abstr.) **(Ita)**

[Attention parameters of stutterers] Kaliagin VA. **Zh Nevropatol Psikhiatr** 1983;83(12):1843–5 (Eng. Abstr.) **(Rus)**

[Experimental psychological study of changes in the mental activity of schizophrenic patients with different degrees of expression of the defect] Kritskaia VP, et al. **Zh Nevropatol Psikhiatr** 1983;83(12):1821–7 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Body sway and divided attention performance under the influence of alcohol: dose-response differences between males and females. Mills KC, et al. **Alcoholism (NY)** 1983 Fall;7(4):393–7

Ethanol and the event-related evoked potentials. Effects of rate of stimulus presentation and task difficulty. Campbell K, et al. **Ann NY Acad Sci** 1984;425:551–5

Carbon monoxide and human performance in a single and dual task methodology. Gliner JA, et al. **Aviat Space Environ Med** 1983 Aug;54(8):714–7

Interaction of tail-pressure stress and d-amphetamine in disruption of the rat's ability to ignore an irrevelant stimulus. Hellman PA, et al. **Behav Neurosci** 1983 Dec; 97(6):1017–21

The effects of neuroleptics on attention in adolescent schizophrenics. Erickson WD, et al. **Biol Psychiatry** 1984 May;19(5):745–53

Influence of antihypertensive drugs on psychosensory and psychomotor performance tests. Turner P. **Eur Heart J** 1984 Mar;5 Suppl A:37–9 (11 ref.)

Distractability under the influence of an ACTH 4–9 derivative. Rockstroh B, et al. **Int J Neurosci** 1983 Dec; 22(1–2):21–36

Attentional absorption in marijuana and alcohol intoxication. Fabian WD Jr, et al. **J Abnorm Psychol** 1983 Nov; 92(4):489–94

A simple method for pharmacological separation of motivation attention and learning. Rial RV, et al. **Methods Find Exp Clin Pharmacol** 1983 Jun;5(5):311–4

Neonatal responsiveness as a function of maternal contact and obstetrical drugs. Hill SD, et al. **Percept Mot Skills** 1984 Jun;58(3):859–66

Attenuation of perseverative behavior after repeated amphetamine treatment: tolerance or attentional deficits? Bruto V, et al. **Pharmacol Biochem Behav** 1983 Sep; 19(3):497–504

L-Dopa and piribedil alter different components of attentional behavior dependent on dose. Cheal M. **Psychopharmacology (Berlin)** 1983;80(4):345–50

Abolition of the expression but not the acquisition of latent inhibition by chronic amphetamine in rats. Weiner I, et al. **Psychopharmacology (Berlin)** 1984;83(2):194–9

[Benzodiazepines: effects on sleep and on attention capacity the following day. Long-term study administration of lormetazepam and flurazepam] Guilleminault C. **Clin Ter** 1984 May 15;109(3):231–42 (Eng. Abstr.) **(Ita)**

PHYSIOLOGY

The influence of attention on the auditory brain stem evoked responses. Preliminary report. Brix R. **Acta Otolaryngol (Stockh)** 1984 Jul-Aug;98(1-2):89–92

The significance of attention and duration of the stimulation in optokinetic nystagmus. Holm-Jensen S. **Acta Otolaryngol (Stockh)** 1984 Jul-Aug;98(1-2):21–9

Event-related potentials to stroop stimuli. Color and word processing. Aine CJ, et al. **Ann NY Acad Sci** 1984;425:152–3

Hemispheric differences in event-related potentials to stroop stimuli. Attention and color-word processing. Aine CJ, et al. **Ann NY Acad Sci** 1984;425:154–6

Contingent negative variation and slow waves in a short interstimulus interval go-nogo task situation. Curry SH. **Ann NY Acad Sci** 1984;425:171–6

The effects of probability and discriminability on the evoked potentials to unpredictable stimuli. Fitzgerald PG, et al. **Ann NY Acad Sci** 1984;425:199–203

Hemispheric differences in event-related potential measures of selective attention. Harter MR, et al. **Ann NY Acad Sci** 1984;425:210–1

Category scaling of the interest value of complex visual stimuli and late positive components of the evoked potential. Hömberg V, et al. **Ann NY Acad Sci** 1984; 425:216–22

A comparison of early event-related potentials in two target detection tasks. McCallum WC, et al. **Ann NY Acad Sci** 1984;425:242–9

Selective attention effects on somatosensory event-related potentials. Michie PT. **Ann NY Acad Sci** 1984;425:250–5

CNV and myogenic functions. II. Divided attention produces a double dissociation of CNV and EMG. Tecce JJ, et al. **Ann NY Acad Sci** 1984;425:289–94

P300 and psychiatric vulnerability in university students. Ward PB, et al. **Ann NY Acad Sci** 1984;425:645–52

The event-related potential as an index of the processing demands of a complex target acquisition task. Wickens CD, et al. **Ann NY Acad Sci** 1984;425:295–9

Visual neglect in Parkinson's disease. Villardita C, et al. **Arch Neurol** 1983 Nov;40(12):737–9

Effects of lesions to ascending noradrenergic neurones on performance of a 5-choice serial reaction task in rats;

implications for theories of dorsal noradrenergic bundle function based on selective attention and arousal. Carli M, et al. **Behav Brain Res** 1983 Sep;9(3):361–80

Successful overshadowing and blocking in hippocampectomized rats. Garrud P, et al. **Behav Brain Res** 1984 Apr;12(1):39–53

Effects of lateral suprasylvian visual cortex lesions on visual localization, discrimination, and attention in cats. Spear PD, et al. **Behav Brain Res** 1983 Dec;10(2–3):339–59

The effects of dorsal bundle lesions on serial and trace conditioning. Tsaltas E, et al. **Behav Brain Res** 1983 Dec; 10(2–3):361–74

Intact selective attention in rats with lesions of the dorsal noradrenergic bundle. Pisa M, et al. **Behav Neurosci** 1983 Aug;97(4):519–29

The hippocampus, collateral behavior, and timing. Rawlins JN, et al. **Behav Neurosci** 1983 Dec;97(6):857–72

The skin conductance orienting response as an index of attention. Frith CD, et al. **Biol Psychol** 1983 Aug; 17(1):27–39

Attention-related changes in a computer-extracted 40 Hz EEG rhythm. Varner JL, et al. **Biomed Sci Instrum** 1984; 20:81–3

Pseudoneglect in a patient with partial callosal disconnection. Heilman KM, et al. **Brain** 1984 Jun;107 (Pt 2):519–32

Left hemisphere involvement in left spatial neglect from right-sided lesions. Plourde G, et al. **Brain** 1984 Mar;107 (Pt 1):95–106

Deficits in attention and movement following the removal of postarcuate (area 6) and prearcuate (area 8) cortex in macaque monkeys. Rizzolatti G, et al. **Brain** 1983 Sep;106 (Pt 3):655–73

Evidence against a role of the rat's dorsal noradrenergic bundle in selective attention and place memory. Pisa M, et al. **Brain Res** 1983 Aug 8;272(2):319–29

Preparation- or intention-to-act, in relation to pre-event potentials recorded at the vertex. Libet B, et al. **Electroencephalogr Clin Neurophysiol** 1983 Oct; 56(4):367–72

Latency of the P3 event-related potential: normative aspects and within-subject variability. Sklare DA, et al. **Electroencephalogr Clin Neurophysiol** 1984 Sep;59(5):420–4

Psychoneuroendocrine responses to mental load in an achievement-oriented task. Hyyppä MT, et al. **Ergonomics** 1983 Dec;26(12):1155–62

The use of focused attention in visual search by young and old adults. Nebes RD, et al. **Exp Aging Res** 1983 Fall; 9(3):139–43

Hemisphere specialization, bilaterality, and sex dimorphism in noise resistance. Bianki VL, et al. **Int J Neurosci** 1983 Oct;21(1–2):67–83

Fuzzy clustering of EEG signal and vigilance performance. Gath I, et al. **Int J Neurosci** 1983 Sep;20(3–4):303–12

Negative air ionization improves memory and attention in learning-disabled and mentally retarded children. Morton LL, et al. **J Abnorm Child Psychol** 1984 Jun;12(2):353–65

Effects of parietal injury on covert orienting of attention. Posner MI, et al. **J Neurosci** 1984 Jul;4(7):1863–74

Cerebral mechanisms, autonomic responsiveness, and attention in schizophrenia. Venables PH. **Nebr Symp Motiv** 1984;31:47–91

The effect of corpus callosum lesions on unilateral neglect in monkeys. Watson RT, et al. **Neurology (NY)** 1984 Jun; 34(6):812–5

Effect of heteromodal stimulation on visual evoked responses in rabbits. Shostak VI. **Neurosci Behav Physiol** 1983 Mar–Apr;13(2):83–4

Physiologic correlates of attention: a core process underlying learning disorders. Porges SW. **Pediatr Clin North Am** 1984 Apr;31(2):371–85

Noradrenergic influences on blocking: interactions with development. Caza PA. **Pharmacol Biochem Behav** 1984 Jul;21(1):9–17

Cortical noradrenaline, attention and arousal. Robbins TW. **Psychol Med** 1984 Feb;14(1):13–21

Effects of stimulation rate and attribute cuing on event-related potentials during selective auditory attention. Hansen JC, et al. **Psychophysiology** 1984 Jul;21(4):394–405

Event-related potentials during controlled and automatic target detection. Hoffman JE, et al. **Psychophysiology** 1983 Nov;20(6):625–32

[Unit activity in the ventral tegmental area and the state of focused attention in the normal awake cat] Montaron MF, et al. **C R Seances Acad Sci [III]** 1984;298(8):229–36 (Eng. Abstr.) (Fre)

[Measurement of the attention capacity in the aged subject using evoked potentials (letter)] Remond A, et al. **Presse Med** 1983 Dec 29;12(48):3154 (Fre)

[Periods and amplitude distribution parameters of the EEG in mental stress—on the concordance of mechanical and visuomanual methods of evaluation] Otto E, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1983 Dec; 35(12):727–35 (Eng. Abstr.) (Ger)

[Electroencephalogram in standardized mental stress: variable trends in the theta, alpha and beta band] Otto E, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1983 Dec; 35(12):720–6 (Eng. Abstr.) (Ger)

ATTENTION DEFICIT DISORDER WITH HYPERACTIVITY

Hyperactivity (attention-deficit disorder). Martin CA, et al. **J Fam Pract** 1984 Sep;19(3):367–9, 372–3, 376–7 passim (61 ref.)

BLOOD

Serum cholesterol in aggressive conduct disorder: a preliminary study. Virkkunen M, et al. **Biol Psychiatry** 1984 Mar;19(3):435–9

Platelet secretion defect in patients with the attention deficit disorder and easy bruising. Koike K, et al. **Blood** 1984 Feb; 63(2):427–33

Blood serotonin levels in the attention-deficit disorder [letter] Haslam RH, et al. **N Engl J Med** 1983 Nov 24; 309(21):1328–9

CEREBROSPINAL FLUID

Cerebrospinal fluid homovanillic acid and 5-hydroxy-indoleacetic acid in adults with attention deficit disorder, residual type. Reimherr FW, et al. **Psychiatry Res** 1984 Jan;11(1):71–8

CHEMICALLY INDUCED

Food additives and childhood hyperactivity. Mailman RB, et al. **Bol Asoc Med PR** 1983 Dec;75(12):551–3

COMPLICATIONS

Prevalence of attention deficit disorder, residual type, and other psychiatric disorders in patients with irritable colon syndrome. Wender PH, et al. **Am J Psychiatry** 1983 Dec; 140(12):1579–82

A four-year follow-up of hyperactive boys with and without conduct disorder. August GJ, et al. **Br J Psychiatry** 1983 Aug;143:192–8

Reading-disabled hyperactive children: a distinct subgroup of attention deficit disorder with hyperactivity? Halperin JM, et al. **J Abnorm Child Psychol** 1984 Mar;12(1):1–14

Pain and a hyperactive adult. Morse RH. **J La State Med Soc** 1984 Jun;136(6):29–32

DIAGNOSIS

Contribution of predispositional factors to the diagnosis of hyperactivity. Lambert NM, et al. **Am J Orthopsychiatry** 1984 Jan;54(1):97–109

An evaluation of the validity of the diagnostic category of attention deficit disorder. Rubinstein RA, et al. **Am J Orthopsychiatry** 1984 Jul;54(3):398–414

Hyperkinetic syndrome of childhood: clinical characteristics. Thorley G. **Br J Psychiatry** 1984 Jan;144:16–24

Three-year follow-up at age 10 of children with minor neurodevelopmental disorders. II: School achievement problems. Gillberg IC, et al. **Dev Med Child Neurol** 1983 Oct;25(5):566–73 (6 ref.)

Overflow movements and behavior problems: scoring and using a modification of Fogs' test. Szatmari P, et al. **Dev Med Child Neurol** 1984 Jun;26(3):297–310

Minimal brain dysfunction symptoms claimed by primary and secondary alcoholics: relation to cognitive functioning. De Obaldia R, et al. **Int J Neurosci** 1983 Sep;20(3–4):173–81

The computerized continuous performance task: a new measure of inattention. Klee SH, et al. **J Abnorm Child Psychol** 1983 Dec;11(4):487–95

Hyperactive behavior in English schoolchildren: a questionnaire survey. Taylor E, et al. **J Abnorm Child Psychol** 1984 Mar;12(1):143–55

A one-year follow-up study of parent-referred hyperactive preschool children. Campbell SB, et al. **J Am Acad Child Psychiatry** 1984 May;23(3):243–9

Empirical corroboration of attention deficit disorder. Edelbrock C, et al. **J Am Acad Child Psychiatry** 1984 May; 23(3):285–90

Hyperactivity: nature of the syndrome and its natural history. Aman MG. **J Autism Dev Disord** 1984 Mar;14(1):39–56

Evidence for an independent syndrome of hyperactivity. Trites RL, et al. **J Child Psychol Psychiatry** 1983 Oct; 24(4):573–86

MBD: meanings and misconceptions. Taylor HG. **J Clin Neuropsychol** 1983 Sep;5(3):271–87

The Personality Inventory for Children (PIC): its clinical utility with hyperactive children. Breen MJ, et al. **J Pediatr Psychol** 1983 Dec;8(4):359–66

A playroom observational procedure for assessing hyperactive boys. Roberts MA, et al. **J Pediatr Psychol** 1984 Jun;9(2):177–91

Attention deficit disorder: quantitative analysis of CT. Shaywitz BA, et al. **Neurology (NY)** 1983 Nov; 33(11):1500–3

Diagnosis and management of attention deficit disorder: a pediatric perspective. Shaywitz SE, et al. **Pediatr Clin North Am** 1984 Apr;31(2):429–57

Diagnostic validity of the hyperactive child (attention deficit disorder with hyperactivity) syndrome. Cantwell DP. **Psychiatr Dev** 1983 Autumn;1(3):277–300 (48 ref.)

Hyperactivity in children: evidence for differences between parents' and teachers' perceptions of predominant features. Christie D, et al. **Psychol Rep** 1984 Jun;54(3):771–4

ADD children: who is referred from the schools? Ullmann RK, et al. **Psychopharmacol Bull** 1984 Spring;20(2):308–12

Hyperactive children: a study of the content analysis of their speech. Gottschalk LA, et al. **Psychother Psychosom** 1984; 41(3):125–35

[The hyperactive child in school] Eisert HG. **Off Gesundheitswes** 1983 Sep;45(9):481–7 (Ger)

[Definition and diagnostic problems in the concept of minimal cerebral dysfunction] Höger HC. **Prax Kinderpsychol Kinderpsychiatr** 1983 Aug–Sep; 32(6):199–206 (Eng. Abstr.) (Ger)

[Minimal brain dysfunction] Michelsson K. **Nord Med** 1983; 98(12):297 (Swe)

DIET THERAPY

Childhood hyperactivity and food additives. Thorley G. **Dev Med Child Neurol** 1983 Aug;25(4):531–4

Diet and the behavior of children with attention deficit disorder. Varley CK. **J Am Acad Child Psychiatry** 1984 Mar;23(2):182–5 (19 ref.)

Diet and hyperactivity. Coussons HW. **J Okla State Med Assoc** 1984 Jun;77(6):169–73

DRUG THERAPY

Stimulant medication and the hyperactive adolescent: myths and facts. Clampit MK, et al. **Adolescence** 1983 Winter; 18(72):811–22

Methylphenidate [letter] Nicolle FI. **Am Fam Physician** 1983 Nov;28(5):27–8

Methodological update [letter] Goetzel RZ. **Am J Orthopsychiatry** 1984 Jul;54(3):502–4

Substituting stimulants in treating behavior disorders [letter] El-Defrawi MH, et al. **Am J Psychiatry** 1984 Apr; 141(4):610

Desipramine in the treatment of adolescents with attention deficit disorder. Gastfriend DR, et al. **Am J Psychiatry** 1984 Jul;141(7):906–8

Urinary phenethylamine response to d-amphetamine in 12 boys with attention deficit disorder. Zametkin AJ, et al. **Am J Psychiatry** 1984 Sep;141(9):1055–8

Age, stimulant drug, and practice effects on P3 latency and concurrent reaction time. Halliday R, et al. **Ann NY Acad Sci** 1984;425:357–61

Enuresis: a new look at stimulant therapy. Diamond JM, et al. **Can J Psychiatry** 1983 Aug;28(5):395–7

Monitoring psychostimulant side effects in hyperactive children [letter] Golinko BE. **Drug Intell Clin Pharm** 1984 Apr;18(4):324

The effects of stimulant drugs on curiosity behaviors of hyperactive boys. Fiedler NL, et al. **J Abnorm Child Psychol** 1983 Jun;11(2):193–206

Effects of methylphenidate (Ritalin) on information processing in hyperactive children. Reid MK, et al. **J Abnorm Child Psychol** 1984 Mar;12(1):169–85

Aggression in hyperactive boys: response to d-amphetamine. Amery B, et al. **J Am Acad Child Psychiatry** 1984 May; 23(3):291–4

Prolactin, growth hormone and growth responses in boys with attention deficit disorder and hyperactivity treated with methylphenidate. Greenhill LL, et al. **J Am Acad Child Psychiatry** 1984 Jan;23(1):58–67

Young adult outcome of hyperactive children who received long-term stimulant treatment. Hechtman L, et al. **J Am Acad Child Psychiatry** 1984 May;23(3):261–9

Combination of neuroleptic and stimulant treatment in attention deficit disorder with hyperactivity. Weizman A, et al. **J Am Acad Child Psychiatry** 1984 May;23(3):295–8

Effects of two doses of methylphenidate on verbal information processing in hyperactive children. Peeke S, et al. **J Clin Psychopharmacol** 1984 Apr;4(2):82–8

The effect of stimulant medication on academic performance, in the context of multimodal treatment, in attention deficit disorders with hyperactivity: two case reports. Schmidt K, et al. **J Clin Psychopharmacol** 1984 Apr;4(2):100–3

State-dependent and main effects of methylphenidate and pemoline on paired-associate learning and spelling in hyperactive children. Stephens RS, et al. **J Consult Clin Psychol** 1984 Feb;52(1):104–13

How much stimulant medication is appropriate for hyperactive school children? Brown RT, et al. **J Sch Health** 1984 Mar;54(3):128–30

Use of tricyclics [letter] Huessy HR. **JDBP** 1984 Jun;5(3):142

The influence of methylphenidate on the sympathoadrenal reactivity in children diagnosed as hyperactive. Nagel-Hiemke M, et al. **Klin Padiatr** 1984 Mar–Apr; 196(2):78–82

Computer analyzed EEG in methylphenidate-responsive hyperactive children. Steinhausen HC, et al. **Neuropediatrics** 1984 Feb;15(1):28–32

EEG and clinical findings during pemoline treatment in children and adults with attention deficit disorder. An 8-week open trial. Caresia L, et al. **Neuropsychobiology** 1984;11(3):158–67

l-Tryptophan in hyperactive child syndrome associated with epilepsy: a controlled study. Ghose K. **Neuropsychobiology** 1983;10(2–3):111–4

Effects of megavitamin therapy on children with attention deficit disorders. Haslam RH, et al. **Pediatrics** 1984 Jul; 74(1):103–11

Side effects of dextroamphetamine and methylphenidate in hyperactive children—a brief review. Golinko BE. **Prog Neuropsychopharmacol Biol Psychiatry** 1984;8(1):1–8

An open trial of pargyline in the treatment of attention deficit disorder, residual type. Wender PH, et al. **Psychiatry Res** 1983 Aug;9(4):329–36

The persistence of stimulant effects in chronically treated children: further evidence of an inverse relationship

between drug effects and placebo levels of response. Gualtieri CT, et al. **Psychopharmacology (Berlin)** 1984; 83(1):44–7

The visual ERP predicts clinical response to methylphenidate in hyperactive children. Halliday R, et al. **Psychophysiology** 1984 Jan;21(1):114–21

ETIOLOGY

Diet and behaviour [letter] Franklin AJ. **Arch Dis Child** 1984 Aug;59(8):799–800

Food additives and childhood hyperactivity. Mailman RB, et al. **ASDC J Dent Child** 1983 Jul–Aug;50(4):283–6

Minimal brain dysfunction: a possible late sequela of infantile transient folic acid deficiency [letter] Shapira Y, et al. **J Pediatr** 1983 Oct;103(4):671–2

Maternal nutritional status and retardation in offspring. Gormican A, et al. **Postgrad Med** 1975 Aug;58(2):166–9

FAMILIAL & GENETIC

Minor physical anomalies and obstetrical complications: their relationship to hyperactive, psychoneurotic, and normal children and their families. Firestone P, et al. **J Abnorm Child Psychol** 1983 Jun;11(2):207–16

The interactions of hyperactive and normal boys with their fathers and mothers. Tallmadge J, et al. **J Abnorm Child Psychol** 1983 Dec;11(4):565–79

Tourette's syndrome and attention deficit disorder with hyperactivity: are they genetically related? Comings DE, et al. **J Am Acad Child Psychiatry** 1984 Mar;23(2):138–46

Attention deficit disorder in three pairs of monozygotic twins: a case report. Heffron WA, et al. **J Am Acad Child Psychiatry** 1984 May;23(3):299–301

Alcohol abuse and attention deficit disorder. Manshadi M, et al. **J Clin Psychiatry** 1983 Oct;44(10):379–80

[What role do genetic factors play in the etiology of minimal brain dysfunction?] Kalbe U. **Off Gesundheitswes** 1984 Mar; 46(3):122–4 **(Ger)**

METABOLISM

Nitrogen metabolism in normal and hyperkinetic boys. Stein TP, et al. **Am J Clin Nutr** 1984 Apr;39(4):520–4

Neurochemical correlates of attention deficit disorder. Raskin LA, et al. **Pediatr Clin North Am** 1984 Apr;31(2):387–96

OCCURRENCE

[Mild brain dysfunction arising in early childhood. Significance in child development] Steinhausen HC. MMW 1983 Oct 28;125(43):958–62 (Eng. Abstr.) **(Ger)**

[Perinatal follow-up and changes in preschool and school-age children of diabetic mothers] Cupić V, et al. **Lijec Vjesn** 1984 Jan;106(1):1–6 (Eng. Abstr.) **(Scr)**

PHYSIOPATHOLOGY

Hyperactive children's event-related potentials fail to support underarousal and maturational-lag theories. Callaway E, et al. **Arch Gen Psychiatry** 1983 Nov;40(11):1243–8

Focal cerebral hypoperfusion in children with dysphasia and/or attention deficit disorder. Lou HC, et al. **Arch Neurol** 1984 Aug;41(8):825–9

Spinal motoneuronal excitability during wakefulness and non-REM sleep in hyperkinesis. Mercier L, et al. **J Clin Neuropsychol** 1983 Dec;5(4):321–36

Developmental and pharmacological aspects of attention deficit disorder (ADD). Anderson GM, et al. **Prog Clin Biol Res** 1983;135:207–23 (79 ref.)

Auditory ERP augmentation–reduction and methylphenidate dosage needs in attention and reading disordered children. Dykman RA, et al. **Psychiatry Res** 1983 Jul;9(3):255–69

[A preliminary comparison of average evoked potentials in normal children and those with attention deficit disorder] Hou Y. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1983 Dec; 16(6):329–32 (Eng. Abstr.) **(Chi)**

[Partial brain dysfunctions. Their nature and their significance in child development] Friedrich MH. MMW 1983 Oct 28;125(43):971–3 **(Ger)**

PSYCHOLOGY

Hyperactives as young adults: past and current substance abuse and antisocial behavior. Hechtman L, et al. **Am J Orthopsychiatry** 1984 Jul;54(3):415–25

Child and adolescent perceptions of normal and atypical peers. Whalen CK, et al. **Child Dev** 1983 Dec;54(6):1588–98

Mother–child interaction in hyperactive and normal kindergarten-aged children and the effect of treatment. Cohen NJ, et al. **Child Psychiatry Hum Dev** 1983 Summer; 13(4):213–24

Three-year follow-up at age 10 of children with minor neurodevelopmental disorders. I: Behavioural problems. Gillberg IC, et al. **Dev Med Child Neurol** 1983 Aug; 25(4):438–49

Waking ultradian rhythms of performance and motility in hyperkinetic and normal children. Busby KA, et al. **J Abnorm Child Psychol** 1983 Sep;11(3):431–42

Effects of reward on delayed reaction time task performance of hyperactive children. Douglas VI, et al. **J Abnorm Child Psychol** 1983 Jun;11(2):313–26

Social information processing in child psychiatric populations. Milich R, et al. **J Abnorm Child Psychol** 1984 Sep;12(3):471–89

Effects of reinforcement on concept identification in hyperactive children. Parry PA, et al. **J Abnorm Child Psychol** 1983 Jun;11(2):327–40

Marital disturbance and child problems: a cautionary note regarding hyperactive children. Prinz RJ, et al. **J Abnorm Child Psychol** 1983 Sep;11(3):393–9

Schedule-induced behavior in hyperactive children. Prior M, et al. **J Abnorm Child Psychol** 1984 Jun;12(2):227–43

Self-control behavior in hyperactive and nonhyperactive children. Rosenbaum M, et al. **J Abnorm Child Psychol** 1984 Jun;12(2):303–17

Context effects in the behavioral ratings of hyperactivity. Zentall SS. **J Abnorm Child Psychol** 1984 Jun;12(2):345–52

Hyperactive and hypoxic children: signal detection, sustained attention, and behavior. O'Dougherty M, et al. **J Abnorm Psychol** 1984 May;93(2):178–91

Hyperactives as young adults: initial predictors of adult outcome. Hechtman L, et al. **J Am Acad Child Psychiatry** 1984 May;23(3):250–60

Are attention deficit disorders with and without hyperactivity similar or dissimilar disorders? Lahey BB, et al. **J Am Acad Child Psychiatry** 1984 May;23(3):302–9

Background characteristics of aggressive, hyperactive, and aggressive–hyperactive boys. McGee R, et al. **J Am Acad Child Psychiatry** 1984 May;23(3):280–4

Behavioral and developmental characteristics of aggressive, hyperactive and aggressive–hyperactive boys. McGee R, et al. **J Am Acad Child Psychiatry** 1984 May;23(3):270–9

Hyperactivity and the attention deficit disorders: expanding frontiers. Whalen CK, et al. **Pediatr Clin North Am** 1984 Apr;31(2):397–427

Neuropsychological characteristics of college males who show attention dysfunction. Huhtaniemi P, et al. **Percept Mot Skills** 1983 Oct;57(2):399–406

Neuropsychiatric vulnerabilities and violent juvenile delinquency. Lewis DO. **Psychiatr Clin North Am** 1983 Dec;6(4):707–14

Review of follow-up and follow-back studies of childhood hyperactivity. Thorley G. **Psychol Bull** 1984 Jul; 96(1):116–32

Optimal stimulation: a model of disordered activity and performance in normal and deviant children. Zentall SS, et al. **Psychol Bull** 1983 Nov;94(3):446–71

Impulsive behavior and assessment of impulsivity with hospitalized adolescents. Oas P. **Psychol Rep** 1983 Dec;53(3 Pt 1):764–6

A new rating scale for diagnosis and monitoring of ADD children. Ullmann RK, et al. **Psychopharmacol Bull** 1984 Winter;20(1):160–4

Studies in attention deficit disorder, residual type (minimal brain dysfunction in adults). Wender PH, et al. **Psychopharmacol Bull** 1984 Winter;20(1):18–20

[Hyperkinetic syndrome. Approaches to an integrated theory and research program I] Brocke B. **Z Klin Psychol Psychopathol Psychother** 1984;32(1):43–61 (Eng. Abstr.) **(Ger)**

[Basic concepts on hyperkinesis in children] Velasco Fernández RV. **Acta Psiquiatr Psicol Am Lat** 1983 Sep; 29(3):168–77 (Eng. Abstr.) **(Spa)**

THERAPY

'Therapeutic families' as an extension of residential treatment for adolescents. Schneider S. **Adolescence** 1984 Summer; 19(74):435–45

Does behavior therapy normalize the classroom behavior of hyperactive children? Abikoff H, et al. **Arch Gen Psychiatry** 1984 May;41(5):449–54

'Hyperactivity' in childhood. Oberklaid F. **Aust Fam Physician** 1983 Jul;12(7):489–92

Modification of inattentive classroom behavior. Hyperactive children's use of self-recording with teacher guidance. Christie DJ, et al. **Behav Modif** 1984 Jul;8(3):391–406

Additive effects of dexedrine and self-control training. A multiple assessment. Horn WF, et al. **Behav Modif** 1983 Jul;7(3):383–402

The effects of EMG-assisted relaxation training on the academic performance, locus of control, and self-esteem of hyperactive boys. Denkowski KM, et al. **Biofeedback Self Regul** 1983 Sep;8(3):363–75

Effectiveness of cognitive mediation and behaviour modification with hospitalized hyperactives [letter] Jerome L. **Can J Psychiatry** 1984 Mar;29(2):184

Effectiveness of cognitive mediation and behaviour modification with hospitalized hyperactives. Konstantareas MM, et al. **Can J Psychiatry** 1983 Oct;28(6):462–70

Using EMg biofeedback to signal hyperactive children when to relax. christie DJ, et al. **Except Child** 1984 Apr; 50(6):547–8

Training parents of hyperactive children in child management: a comparative outcome study. Dubey DR, et al. **J Abnorm Child Psychol** 1983 Jun;11(2):229–45

Self-control in hyperactive boys in anger-inducing situations: effects of cognitive-behavioral training and of methylphenidate. Hinshaw SP, et al. **J Abnorm Child Psychol** 1984 Mar;12(1):55–77

Hyperactivity in adolescence. Wender EH. **J Adolesc Health Care** 1983 Sep;4(3):180–6 (32 ref.)

Multimodality approaches in the treatment of attention deficit disorders. Hansen CR Jr, et al. **Pediatr Clin North Am** 1984 Apr;31(2):499–513

[Treatment of minor early childhood brain dysfunction] Neuhäuser G. MMW 1983 Oct 28;125(43):967–70 (Eng. Abstr.) **(Ger)**

URINE

Urinary 3-methoxy-4-hydroxyphenylglycol sulfate excretion in seventy-three schoolchildren with minimal brain dysfunction syndrome. Shen YC, et al. **Biol Psychiatry** 1984 Jun;19(6):861–70

Phenylethylamine excretion in attention deficit disorder. Zametkin AJ, et al. **J Am Acad Child Psychiatry** 1984 May; 23(3):310–4

ATTITUDE

see related
PUBLIC OPINION
SET (PSYCHOLOGY)

Danish patients' attitudes to scientific-ethical questions. An interview study focusing therapeutic trials. Saurbrey N, et al. **Acta Med Scand** 1984;215(2):99–104

Pregnant women with nonorganic psychosis: life situation and experience of pregnancy. McNeil TF, et al. **Acta Psychiatr Scand** 1983 Dec;68(6):445–57

Dysfunctional attitudes: measurement, significant constructs and links with depression. Parker G, et al. **Acta Psychiatr Scand** 1984 Jul;70(1):90–6

Differences in sexual attitudes and likeliness of sexual behaviors of black lower-socioeconomic father-present vs. father-absent female adolescents. Eberhardt CA, et al. **Adolescence** 1984 Spring;19(73):100–5

The relationship of parental drug use and parents' attitude concerning adolescent drug use to adolescent drug use. McDermott D. **Adolescence** 1984 Spring;19(73):89–97

Halos vs. stigmas: long-term effects of parent's death or divorce on college students' concepts of the family. Rozendal FG. **Adolescence** 1983 Winter;18(72):947–55

Minimum competency: a comparison of reactions of southern black high school students, their parents and black teachers. Schab F. **Adolescence** 1984 Spring;19(73):107–12

The sentiments of love and aspirations for marriage and their association with teenage sexual activity and pregnancy. Scott JW. **Adolescence** 1983 Winter;18(72):889–97

Perceptions and knowledge of breast-feeding among WIC and non-WIC pregnant women in Alabama. Collins TR, et al. **Ala J Med Sci** 1984 Apr;21(2):145–8

Attitudes about addiction. The need for change. Rubin R. **Ala J Med Sci** 1984 Apr;21(2):156–8

The use of sign by deaf children: the opinions of a deaf community. Stewart DA. **Am Ann Deaf** 1983 Dec; 128(7):878–83

Locus of control and control perceptions and the relationship between life stress and psychological disorder. Nelson DW, et al. **Am J Community Psychol** 1983 Dec;11(6):705–22

The new biology and the question of personhood: implications for abortion. Milby TH. **Am J Law Med** 1983 Spring;9(1):31–41

Regular-class students' attitudes toward integrated multiply handicapped peers. Towfighy-Hooshyar N, et al. **Am J Ment Defic** 1984 May;88(6):630–7

A survey of contact lens wearers. Part II: Behaviors, experiences, attitudes, and expectations. Hewett TT. **Am J Optom Physiol Opt** 1984 Feb;61(2):73–9

A survey of contact lens wearers. Part I: Design and demographics. Hewett TT. **Am J Optom Physiol Opt** 1984 Feb;61(2):65–72

A comparison of attitudes toward orthodontic treatment in British and American communities. Tulloch JF, et al. **Am J Orthod** 1984 Mar;85(3):253–9

The father's contribution to child care: effects on children's perceptions of parental roles. Carlson BE. **Am J Orthopsychiatry** 1984 Jan;54(1):123–36

The relationship of maternal perception and maternal behavior: a study of normal mothers and their infants. Nover A, et al. **Am J Orthopsychiatry** 1984 Apr; 54(2):210–23

The Supreme Court looks at psychiatry. Appelbaum PS. **Am J Psychiatry** 1984 Jul;141(7):827–35

Hope: a factor influencing crisis resolution. McGee RF. **ANS** 1984 Jul;6(4):34–44

Effects of institutional tours on attitudes toward the mentally retarded and their institutional settings. Carsrud AL, et al. **Appl Res Ment Retard** 1984;5(1):99–105

Do maladaptive attitudes cause depression? Silverman JS, et al. **Arch Gen Psychiatry** 1984 Jan;41(1):28–30

Similarity of comparison group, opinions about facts and values and social projection. Wagner W, et al. **Arch Psychol (Frankf)** 1983;135(4):313–24

Parental attitudes about sexual education: cross-cultural differences and covariate controls. Abramson PR, et al. **Arch Sex Behav** 1983 Oct;12(5):381–97

'Homophobia' or homosexual bias reconsidered. Fyfe B. **Arch Sex Behav** 1983 Dec;12(6):549–54

Children's perceptions of sex differences in babies and adolescents: a cross-national study. Goldman R, et al. **Arch Sex Behav** 1983 Aug;12(4):277–94

Comparison of attitudes toward transsexuality and homosexuality. Leitenberg H, et al. **Arch Sex Behav** 1983 Aug;12(4):337–46

The sexual and affectional attitudes and experiences of Australian adolescents during dating: the effects of age, church attendance, type of school, and socioeconomic class. McCabe MP, et al. **Arch Sex Behav** 1983 Dec; 12(6):525–39

Sexual life, problems, and attitudes of the prospective Greek physician. Manos N. **Arch Sex Behav** 1983 Oct;12(5):435–43
Effects of sex education on sexual guilt, anxiety, and attitudes: a comparison of instruction formats. Wanlass RL, et al. **Arch Sex Behav** 1983 Dec;12(6):487–502
Bivariate analyses of attitudes towards breast-feeding. Counsilman JJ, et al. **Aust NZ J Obstet Gynaecol** 1983 Nov;23(4):208–15
Cultural perceptions of the mentally ill: Australian and Papua New Guinean high school youth. Callan VJ, et al. **Aust NZ J Psychiatry** 1983 Sep;17(3):280–5
Electromyographic specificity during simple physical and attitudinal tasks: location and topographical features of integrated EMG responses. Cacioppo JT, et al. **Biol Psychol** 1984 Mar;18(2):85–121
Perceptions of television violence: effects of programme genre and type of violence on viewers' judgements of violent portrayals. Gunter B, et al. **Br J Soc Psychol** 1984 Jun;23 (Pt 2):155–64
Psychological implications of nuclear accidents: the case of Three Mile Island. Dohrenwend BP. **Bull NY Acad Med** 1983 Dec;59(10):1060–76
Cancer patients' attitudes toward hospice services. Rainey LC, et al. **CA** 1984 Jul–Aug;34(4):191–201
And they lived happily ever after: marriage concepts of older adolescents. Robson BE. **Can J Psychiatry** 1983 Dec; 28(8):646–9
Breast self–examination and breast cancer: a note on postdisease reporting bias. Howe HL, et al. **Cancer Detect Prev** 1983;6(4–5):473–83
Family perceptions of abused children and their siblings. Halperin SM. **Child Abuse Negl** 1983;7(1):107–15
Children's understanding of adoption. Brodzinsky DM, et al. **Child Dev** 1984 Jun;55(3):869–78
The child's conception of food: the development of food rejections with special reference to disgust and contamination sensitivity. Fallon AE, et al. **Child Dev** 1984 Apr;55(2):566–75
Developmental changes in ideas about lying. Peterson CC, et al. **Child Dev** 1983 Dec;54(6):1529–35
Child and adolescent perceptions of normal and atypical peers. Whalen CK, et al. **Child Dev** 1983 Dec;54(6):1588–98
Parental perceptions of children who were hospitalized in neonatal intensive care units. Philipp C. **Child Psychiatry Hum Dev** 1983 Winter;14(2):76–86
Maternal reaction to the birth of a second child: another side of sibling rivalry. Young PC, et al. **Child Psychiatry Hum Dev** 1983 Fall;14(1):43–8
Self–concept and attitudes toward adoption: a comparison of searching and nonsearching adult adoptees. Aumend SA, et al. **Child Welfare** 1984 May–Jun;63(3):251–9
Desire of pregnancy and desire of motherhood. Its sociocultural evolution. Cerutti R, et al. **Clin Exp Obstet Gynecol** 1983;10(2–3):105–7
The attitudes of semen donors. Kovacs GT, et al. **Clin Reprod Fertil** 1983 Mar;2(1):73–5
Characteristics, attitudes and personalities of AI donors. Nicholas MK, et al. **Clin Reprod Fertil** 1983 Mar;2(1):47–54
Attitudes and opinions of donors on an artificial insemination by donor (AID) programme. Rowland R. **Clin Reprod Fertil** 1983 Dec;2(4):249–59
Some attitudes to artificial insemination by donor. Tyler JP, et al. **Clin Reprod Fertil** 1983 Jun;2(2):151–60
Behavioral determinants of skiers' failure to adjust release bindings. Rosen JC, et al. **Clin Sports Med** 1982 Jul; 1(2):209–15
Attitudes of school personnel and parents toward a school–based fluoride mouthrinse program. Scheetz JP, et al. **Community Dent Oral Epidemiol** 1984 Apr;12(2):82–8
Dental knowledge and behaviour of pregnant women attending a Brisbane maternity hospital, 1982. Jago JD, et al. **Community Health Stud** 1984;8(1):45–53
Women's attitudes toward the serum alpha–fetoprotein test. Dembert ML, et al. **Conn Med** 1983 Sep;47(9):525–9
A teenage view of cigarette smoking. Schoonmaker RB Jr. **Conn Med** 1983 Nov;47(11):705–7
Attitudes of high school students toward drug education. Omishakin A. **Drug Alcohol Depend** 1983 Nov;12(3):295–7
Medication counseling behaviors and attitudes of rural community pharmacists. Mason HL, et al. **Drug Intell Clin Pharm** 1984 May;18(5):409–14
Conceptions of dentists and dental nurses about ergonomics. Murtomaa H. **Ergonomics** 1983 Sep;26(9):879–86
Teachers' attitudes toward IEP's: a two–year follow–up. Morgan DP, et al. **Except Child** 1983 Sep;50(1):64–7
Sex, contraception and parenthood: experience and attitudes among urban black young men. Clark SD Jr, et al. **Fam Plann Perspect** 1984 Mar–Apr;16(2):77–82
Eating attitudes and behaviors of anorexia nervosa patients and their sisters. Maloney MJ, et al. **Gen Hosp Psychiatry** 1983 Dec;5(4):285–8
The use of a board game to simulate the experiences of old age. Menks F. **Gerontologist** 1983 Dec;23(6):565–8
The marginality and salience of being old: when is age relevant? Ward RA. **Gerontologist** 1984 Jun;24(3):227–32
A study of patients' attitudes toward placement in seclusion. Binder RL, et al. **Hosp Community Psychiatry** 1983 Nov; 34(11):1052–4
Drug abuse–social problem as perceived in rural community—a sociological study in border districts of Punjab. Darshan SI, et al. **Indian J Public Health** 1983 Apr–Jun;27(2):44–54
Cook Islanders' attitude toward excessive drinking of alcohol. Apeldoorn J. **Int J Addict** 1983 May;18(4):583–7
Attitudes of potential employers toward drug abuse. Knox WJ. **Int J Addict** 1983 May;18(4):445–53
Enhancing decision behavior in high school 'smokers'. Lotecka L, et al. **Int J Addict** 1983 May;18(4):479–90
Relationships between inmates' past drug practices and current drug knowledge and attitudes. Miller RE, et al. **Int J Addict** 1983 Aug;18(6):881–90
Female bartenders: their perspectives on bartending and alcohol use. Waring ML, et al. **Int J Addict** 1983 May; 18(4):455–64
Passages: fact or fiction? Braun P, et al. **Int J Aging Hum Dev** 1983–84;18(3):161–76
Belief discrepancy reasoning in the elderly. Enright RD, et al. **Int J Aging Hum Dev** 1983;17(3):213–21
Knowledge and use of services by the elderly: a critical review of the literature. Krout JA. **Int J Aging Hum Dev** 1983;17(2):153–67
Attitudes and behavior of elderly pedestrians. Mathey FJ. **Int J Aging Hum Dev** 1983;17(1):25–8
Patient attitudes to hypnotherapy in a general medical practice: a brief communication. McIntosh IB, et al. **Int J Clin Exp Hypn** 1983 Oct;31(4):219–23
Attitudes toward abortion and contraception among Nigerian secondary school girls. Oronsaye AU, et al. **Int J Gynaecol Obstet** 1983 Oct;21(5):423–6
Slim and obese children's perceptions of physical activities. Worsley A, et al. **Int J Obes** 1984;8(3):201–11
Play activities of mentally handicapped children at home and mothers' perception of play. McEvoy J, et al. **Int J Rehabil Res** 1983 Jun;6(2):143–51
Teacher attitude toward the elementary exceptional child. Nader A. **Int J Rehabil Res** 1984 Mar;7(1):37–46
A comparison of the attitudes of students and non–students toward the disabled in Ghana. Walker S. **Int J Rehabil Res** 1983 Sep;6(3):313–20
Responses of Japanese families to mental disorder. Asai K. **Int J Soc Psychiatry** 1983 Winter;29(4):257–63
The evaluation of ex–mental patients by other ex–mental patients. Shurka E. **Int J Soc Psychiatry** 1983 Winter; 29(4):286–91
Adolescent attitudes to authority. Coleman J, et al. **J Adolesc** 1984 Jun;7(2):131–41
Democratic consensus and the young: a cross national comparison of Britain and America. Ranade W, et al. **J Adolesc** 1984 Mar;7(1):45–57
Health professionals' predictions of teenagers' preferences regarding chaperones during physical examinations. Phillips S, et al. **J Adolesc Health Care** 1983 Dec;4(4):241–5
Adolescent pregnancy. Involvement of the male partner. Vaz R, et al. **J Adolesc Health Care** 1983 Dec;4(4):246–50
A longitudinal study of changing attitudes to work among nursing trainees in two British general hospitals. Heyman R, et al. **J Adv Nurs** 1984 May;9(3):297–305
Inducing a definition of 'hope' through the use of grounded theory methodology. Hinds PS. **J Adv Nurs** 1984 Jul; 9(4):357–62
Learning to nurse the elderly: outcome measures. Ross MM. **J Adv Nurs** 1983 Sep;8(5):373–8
Cultural variations in family attitudes and their implications for therapy. McDermott JF Jr, et al. **J Am Acad Child Psychiatry** 1983 Sep;22(5):454–8
Attitudes of dentists and consumers toward advertising. Majewski RF, et al. **J Am Dent Assoc** 1984 Mar; 108(3):345–7
Establishing the need for nutrition education: II. Elementary teachers' nutrition knowledge, attitudes, and practices. Soliah LA, et al. **J Am Diet Assoc** 1983 Oct;83(4):447–53
Sexual attitudes of males in a protected environment. Levenson L. **J Am Soc Psychosom Dent Med** 1983; 30(4):135–6
Animal rights [letter] Mills MT. **J Am Vet Med Assoc** 1983 Aug 15;183(4):410
Unemployment and psychological distress in young people: the moderating role of employment commitment. Jackson PR, et al. **J Appl Psychol** 1983 Aug;68(3):525–35
Parental judgments of behavior therapy efficacy with autistic children: a social validation. Runco MA, et al. **J Autism Dev Disord** 1983 Sep;13(3):237–48
Coronary–prone behavior attitudes in moderate to severe coronary artery occlusion. Young LD, et al. **J Behav Med** 1984 Jun;7(2):205–15
Mothers' evaluation of a parent training program completed three and one–half years earlier. Forehand RL, et al. **J Behav Ther Exp Psychiatry** 1983 Dec;14(4):339–42
Perceptions about the value and cost of children: Australian and Papua New Guinean high school youth. Callan VJ, et al. **J Biosoc Sci** 1984 Jan;16(1):35–44
Breast–feeding as cultural or personal decision: sources of information and actual success in Japan and the United States. Shand N, et al. **J Biosoc Sci** 1984 Jan;16(1):65–80
Attitude similarity and satisfaction of family members of schizophrenics with services of a professional. Jones ME, et al. **J Clin Psychol** 1984 Jan;40(1):391–3
Do patients like psychometric testing by computer? Moore NC, et al. **J Clin Psychol** 1984 May;40(3):875–7
Defendants previous history and mock sentencing. Wear DA, et al. **J Clin Psychol** 1984 May;40(3):867–74
Public awareness of aspirin and sources of aspirin information in a rural Iowa community. Rubin RJ, et al. **J Community Health** 1983 Summer;8(4):229–39
Abusive mothers: perceptions of their own and their children's behavior. Rosenberg MS, et al. **J Consult Clin Psychol** 1983 Oct;51(5):674–82
Effects of race on ratings of social skill. Turner SM, et al. **J Consult Clin Psychol** 1984 Jun;52(3):474–5
Masculine and feminine personality attributes of dental students and their attitudes toward women's roles in society. Bebeau MJ, et al. **J Dent Educ** 1984 Jun; 48(6):309–14
Dental hygiene students' future orientation and perceptions of old age and of older persons. Rakowski W, et al. **J Dent Educ** 1984 Jun;48(6):302–8
Marital attitudes over 40 years: a longitudinal and cohort analysis. Holahan CK. **J Gerontol** 1984 Jan;39(1):49–57
Families caring for elders in residence: issues in the measurement of burden. Poulshock SW, et al. **J Gerontol** 1984 Mar;39(2):230–9
Socially–desirable response and acquiescence in a cross–cultural survey of mental health. Ross CE, et al. **J Health Soc Behav** 1984 Jun;25(2):189–97
Vices, gods, and virtues: cosmology as a mediating factor in attitudes toward male homosexuality. Hoffman RJ. **J Homosex** 1983 Winter–1984 Spring;9(2–3):27–44
Denture aesthetics: an evaluation of laymen's preferences. Marunick MT, et al. **J Oral Rehabil** 1983 Sep;10(5):399–406
Child–rearing attitudes and personality characteristics in adolescent mothers: attitudes toward the infant. Camp BW, et al. **J Pediatr Psychol** 1984 Mar;9(1):57–63
Children's conceptions of smoking. Meltzer J, et al. **J Pediatr Psychol** 1984 Mar;9(1):41–56
Changing children's attitudes toward physically handicapped peers: effects of a film and teacher–led discussion. Westervelt VD, et al. **J Pediatr Psychol** 1983 Dec; 8(4):327–43
Attitude prototypes as determinants of attitude–behavior consistency. Lord CG, et al. **J Pers Soc Psychol** 1984 Jun; 46(6):1254–66
Attitudes toward abortion as a means of sex selection. Feil RN, et al. **J Psychol** 1984 Mar;116(2d Half):269–72
Profile analysis of a referral sample. Gajar AH, et al. **J Psychol** 1984 Mar;116(2d Half):207–14
The effects of test difficulty on undergraduates' state anxiety and perception of test difficulty. Head LQ, et al. **J Psychol** 1984 Jan;116(1st Half):55–8
Four factors affecting perceived aggressiveness. Holm O. **J Psychol** 1983 Jul;114(2d Half):227–34
Australian attitudes towards homosexuality: a comparison with college students. Hong SM. **J Psychol** 1984 May; 117(1st Half):89–95
Development of a self–administered questionnaire to measure maternal adjustment and maternal attitudes during pregnancy and after delivery. Kumar R, et al. **J Psychosom Res** 1984;28(1):43–51
Computers in medicine: patients' attitudes. Cruickshank PJ. **J R Coll Gen Pract** 1984 Feb;34(259):77–80
Handicaps and the handicapped in Ile–Ife, Nigeria: a socio–cultural dimension. Odebiyi AI. **J R Soc Health** 1983 Aug;103(4):152–6
The Phoenix: from the ashes and looking to the ultimate barrier: our own attitude. Dietl D. **J Rehabil** 1983 Jul–Sep; 49(3):12–7
Educating employers to hire disabled workers. Matkin RE. **J Rehabil** 1983 Jul–Sep;49(3):60–4
Barriers to placement: strategies and resolution. May VR 3d, et al. **J Rehabil** 1983 Jul–Sep;49(3):43–6
The effects of a teacher training program in family life and human sexuality on the knowledge and attitudes of public school teachers. Carter JA, et al. **J Sch Health** 1983 Oct; 53(8):459–62
Secondary school students' attitudes and beliefs about breastfeeding. Ellis DJ. **J Sch Health** 1983 Dec; 53(10):600–4
The influence of communicator characteristics on the nutrition attitudes and behavior of high school students. Feldman RH. **J Sch Health** 1984 Apr;54(4):149–51
Sexuality education instructional techniques: teacher usage and student preference. Hammonds MM, et al. **J Sch Health** 1984 Aug;54(7):235–8
A comfortability level scale for performance of cardiopulmonary resuscitation. Otten RD. **J Sch Health** 1984 Apr;54(4):154–6
The long–term effects of human sexuality training programs for public school teachers. Smith PB, et al. **J Sch Health** 1984 Apr;54(4):157–9
Student knowledge and opinions on key environmental issues. Toohey JV. **J Sch Health** 1984 Apr;54(4):167–8
From deference to confidence: changing attitudes toward menarche. Maidman LL. **J Sex Marital Ther** 1984 Summer; 10(2):137–9
The relationship between attitudes toward social interdependence and psychological health within three criminal populations. James NL, et al. **J Soc Psychol** 1983 Oct;121(1st Half):131–43
Building acceptance of differences between handicapped and nonhandicapped students: the effects of cooperative and individualistic instruction. Johnson DW, et al. **J Soc Psychol** 1984 Apr;122(2D Half):257–67
Effects of an insulin infusion pump and the label 'diabetes' on observers' judgments of an individual's personality and social characteristics. Pollans CH, et al. **J Soc Psychol** 1984 Feb;122(1ST Half):93–9
Attitudes and practices regarding speech aid use following

laryngectomy. Edelman F. **J Speech Hear Disord** 1984 May;49(2):220–4
Peer perceptions of geriatrics wearing hearing aids. Iler KL, et al. **J Speech Hear Disord** 1982 Nov;47(4):433–8
Behavioral and nonbehavioral variables in the measurement of stutterers' communication attitudes. Ulliana L, et al. **J Speech Hear Disord** 1984 Feb;49(1):83–93
Maturational and generational changes in drinking behavior and attitudes in Iowa, 1961–1979. Fitzgerald JL, et al. **J Stud Alcohol** 1983 May;44(3):476–84
Social locations and interpretations: how Jews define alcoholism. Glassner B, et al. **J Stud Alcohol** 1984 Jan; 45(1):16–25
Attitudes, beliefs and alcohol use. An analysis of relationships. McCarty D, et al. **J Stud Alcohol** 1983 Mar; 44(2):328–41
Changes in the climate of attitudes toward drinking in Iowa, 1961–1979. Mulford HA, et al. **J Stud Alcohol** 1983 Jul; 44(4):675–87
Children's attitudes toward alcohol. Spiegler DL. **J Stud Alcohol** 1983 May;44(3):545–52
Girl babies wanted [letter] Carek DJ. **JAMA** 1983 Nov 18; 250(19):2603
The Archives of Pathology and Laboratory Medicine and the autopsy [editorial] Lundberg GD. **JAMA** 1984 Jul 20; 252(3):390–2
Cynicism among medical students [letter] Oken D. **JAMA** 1984 Apr 13;251(14):1835
Students' opinions on the 1980 GMENAC Report [letter] Pust RE, et al. **JAMA** 1984 May 11;251(18):2349
Parent report as a means of administering the prescreening developmental questionnaire: an evaluation study. Burgess DB, et al. **JDBP** 1984 Aug;5(4):195–200
Rubin's 'Puerperal Change' reconsidered. Martell LK, et al. **JOGN Nurs** 1984 May–Jun;13(3):145–9
The threat of war in the minds of 12–18-year-olds in Finland. Solantaus T, et al. **Lancet** 1984 Apr 7;1(8380):784–5
What potential ovum donors think [letter] Templeton AA, et al. **Lancet** 1984 May 12;1(8385):1081–2
Fostering hope in the bone marrow transplant child. Artinian BM. **Matern Child Nurs J** 1984 Spring;13(1):57–71
Australian community attitudes to in-vitro fertilization. Brumby M. **Med J Aust** 1983 Dec 10–24;2(12):650–3
Not biting the hand that feeds you. Tobacco advertising and editorial bias in Australian newspapers. Chapman S. **Med J Aust** 1984 Apr 14;140(8):480–2
In-vitro fertilization [letter] Hamilton PA. **Med J Aust** 1984 Apr 28;140(9):561–2
Issues of in-vitro fertilization. Wood C. **Med J Aust** 1983 Dec 10–24;2(12):595–6
Behavioral assessment in youth sports: coaching behaviors and children's attitudes. Smith RE, et al. **Med Sci Sports Exerc** 1983;15(3):208–14
Battle stress reaction and the United States Army. Schneider RJ, et al. **Milit Med** 1984 Feb;149(2):66–9
Self-perspectives on being handicapped: stigma and adjustment. Zetlin AG, et al. **Monogr Am Assoc Ment Defic** 1984;(6):93–120
Social-psychological approaches. McAlister AL. **Natl Inst Drug Abuse Res Monogr Ser** 1983;47:36–50
University of Nebraska medical students' attitudes toward various health professions. Mathiasen RE. **Nebr Med J** 1984 Apr;69(4):96–9
Changing views of women in medicine. Ruhe P, et al. **Nebr Med J** 1983 Aug;68(8):250–3
The young adult chronic patient: affective responses to treatment. Harris M, et al. **New Dir Ment Health Serv** 1984 Mar;(21):29–35
Issues in fertility control for mentally retarded female adolescents: II. Parental attitudes toward sterilization. Passer A, et al. **Pediatrics** 1984 Apr;73(4):451–4
Influence of trait anxiety on perception of humor. Blank AM, et al. **Percept Mot Skills** 1983 Aug;57(1):103–6
School-age children's reactions to deaf and hearing-impaired children. Blood IM, et al. **Percept Mot Skills** 1983 Oct; 57(2):373–4
Dream recall and attitude toward dreams. Cernovsky ZZ. **Percept Mot Skills** 1984 Jun;58(3):911–4
Liking preferences toward handicapped persons. Giancoli DL, et al. **Percept Mot Skills** 1983 Dec;57(3 Pt 1):1005–6
Influence of personal and academic experiences on formation of attitudes toward mentally retarded adults. Hagen BH, et al. **Percept Mot Skills** 1983 Dec;57(3 Pt 1):835–8
Classroom teachers' attitudes toward children with articulatory disorders. Ruscello DM, et al. **Percept Mot Skills** 1983 Oct;57(2):527–30
Effectiveness of the clinical instructor. Students' perspective. Emery MJ. **Phys Ther** 1984 Jul;64(7):1079–83
Will prenatal diagnosis with selective abortion affect society's attitude toward the handicapped? Motulsky AG, et al. **Prog Clin Biol Res** 1983;128:277–91
Psychotherapy and the fear of change. Castelnuovo-Tedesco P. **Psychiatr J Univ Ottawa** 1984 Jun;9(2):67–70
Actual and perceived attitudes towards deafness. Furnham A, et al. **Psychol Med** 1984 May;14(2):417–23
Screening for abnormal eating attitudes and psychiatric morbidity in an unselected population of 15-year-old schoolgirls. Mann AH, et al. **Psychol Med** 1983 Aug; 13(3):573–80
Parental perception of cognitive abilities of children with cerebral palsy. Anton BS, et al. **Psychol Rep** 1984 Jun; 54(3):987–90
Teachers' generalized expectations of children of divorce. Ball DW, et al. **Psychol Rep** 1984 Apr;54(2):347–53
Developmental changes in attitudes toward cigarette smokers during early adolescence. Botvin EM, et al. **Psychol Rep** 1983 Oct;53(2):547–53
Trait anxiety and response to potential flood disaster. de Man A, et al. **Psychol Rep** 1984 Apr;54(2):507–12
Trait anxiety, perception of potential nuclear hazard, and state anxiety. de Man A, et al. **Psychol Rep** 1984 Jun; 54(3):791–4
Disablement and helping. Edelmann RJ, et al. **Psychol Rep** 1984 Apr;54(2):453–4
Some determinants of attitudes toward substance use in an urban ethnic community. Gary LE, et al. **Psychol Rep** 1984 Apr;54(2):539–45
Infant feeding and maternal attitudes among mothers of low-income. Leeper JD, et al. **Psychol Rep** 1983 Aug; 53(1):259–65
Public knowledge and attitudes about diazepam. Mansbridge B, et al. **Psychopharmacology (Berlin)** 1984;82(3):225–8
Effect of a mental health educational program upon police officers. Godschalx SM. **Res Nurs Health** 1984 Jun; 7(2):111–7
Sampling gastro-enterologists' opinions and attitudes at two world congresses. Clamp SE, et al. **Scand J Gastroenterol [Suppl]** 1984;95:59–69
Religious identity and attitudes toward contraceptives among university students in Nigeria. Owie I. **Soc Biol** 1983 Spring;30(1):101–5
The relationship between beliefs about men's and women's roles in society and views on male sexual dysfunction in 135 women. Daniel DG, et al. **Soc Psychiatry** 1984; 19(3):127–33
Contributory fault and rape convictions: loglinear models for blaming the victim. Pugh MD. **Soc Psychol Q** 1983 Sep;46(3):233–42
Just because she doesn't want to doesn't mean it's rape: an experimentally based causal model of the perception of rape in a dating situation. Shotland RL, et al. **Soc Psychol Q** 1983 Sep;46(3):220–32
Life event scaling: the Chinese experience. Chan DW, et al. **Soc Sci Med** 1984;18(5):441–6
Attitudes to alcohol consumption: the attribution of addiction. Furnham A, et al. **Soc Sci Med** 1984;18(8):673–81
Reasons for not using contraceptives: an international comparison. Nair NK, et al. **Stud Fam Plann** 1984 Mar–Apr;15(2):84–92
Attitudes toward the rhythm method in the Philippines. Verzosa CC, et al. **Stud Fam Plann** 1984 Mar–Apr; 15(2):74–8
[Attitude of mothers to a new method of maternal and newborn infant care] Sobotková D, et al. **Cesk Gynekol** 1983 Aug;48(7):488–92 **(Cze)**
[Psychological and social problems in young diabetics] Svoboda Z, et al. **Vnitr Lek** 1983 Aug;29(8):766–9 (Eng. Abstr.) **(Cze)**
[Being old in ancient Hellas] van Hooff AJ. **Tijdschr Gerontol Geriatr** 1983 Aug;14(4):141–8 (Eng. Abstr.) **(Dut)**
[The image of women in a therapy group of alcoholics and neurotics] Haumonté MT, et al. **Ann Med Psychol (Paris)** 1984 Jan;142(1):47–60 (Eng. Abstr.) **(Fre)**
[Attitude of the chronically ill towards psychiatric hospitals] Gravel GB, et al. **Encephale** 1984;10(1):39–44 (Eng. Abstr.) **(Fre)**
[Psychological factors in marital sterility and their significance for the later realization of parenthood. 2. Role concept, relationship to partner, subjective evaluation of the cause of sterility] Knorre P. **Geburtshilfe Frauenheilkd** 1984 Feb;44(2):114–7 (Eng. Abstr.) **(Ger)**
[Development of an Attitude Toward Handicapped Structure Test. Initial validation studies in a projective test procedure] Stangl W. **Int J Rehabil Res** 1984 Mar; 7(1):25–36 (Eng. Abstr.) **(Ger)**
[Inpatient child psychiatric therapy from the parents' viewpoint] Kammerer E, et al. **Prax Kinderpsychol Kinderpsychiatr** 1984 May–Jun; 33(4):141–8 (Eng. Abstr.) **(Ger)**
[Development of an attitude structure test. Short report of initial validation studies on a projective measurement method] Stangl W. **Rehabilitation (Stuttg)** 1984 Feb; 23(1):26–7 **(Ger)**
[Images of the teetotaler and the drinker] Haegele PA. **Z Arztl Fortbild (Jena)** 1984;78(5):191–4 **(Ger)**
[Connection between knowledge about health, attitude toward health and oral health status] Schneider HG, et al. **Z Gesamte Hyg** 1984 May;30(5):279–82 (Eng. Abstr.) **(Ger)**
[Long-term effects of irregular work schedules on health and attitude] Haider E, et al. **ZFA (Stuttgart)** 1983 Jul 31; 59(21):1171–5 **(Ger)**
['Mentally handicapped'—diagnosis for the determination of human inferiority?] Krebs H. **ZFA (Stuttgart)** 1983 Oct 31; 59(30):1651–7 **(Ger)**
[Attitude and behavior of physicians and medical students toward contraception: results of a study carried out in Modena] Di Renzo GC, et al. **Ann Ostet Ginecol Med Perinat** 1984 Jan–Feb;105(1):37–63 (Eng. Abstr.) **(Ita)**
[Attitude and the intensity and type of aggression demonstrated during psychological tests] Gaś ZB. **Psychiatr Pol** 1983 Jul–Aug;17(4):329–33 (Eng. Abstr.) **(Pol)**
[Attitude to work of patients with chronic schizophrenia employed in sheltered workshops] Gawrońska B, et al. **Psychiatr Pol** 1983 May–Jun;17(3):241–7 (Eng. Abstr.) **(Pol)**
[Social and ethical problems in medicine—differences in the priorities of students and teachers] Lang S, et al. **Lijec Vjesn** 1983 Jul–Aug;105(7–8):319–22 (Eng. Abstr.) **(Scr)**
[Transcultural comparison of habits and attitudes associated with alcohol consumption in 2 rural zones of Honduras and Mexico] Natera G, et al. **Acta Psiquiatr Psicol Am Lat** 1983 Jun;29(2):116–27 (Eng. Abstr.) **(Spa)**
[Adolescent development: survey of knowledge and attitudes among secondary school students] Peláez P, et al. **Rev Chil Pediatr** 1983 Mar–Apr;54(2):107–11 (Eng. Abstr.) **(Spa)**

ATTITUDE OF HEALTH PERSONNEL

Users' perspectives of hospital pharmacy computer systems. Hamm JL, et al. **Am J Hosp Pharm** 1984 Jul;41(7):1358–60
Health professional students' and faculties' perceptions of pharmacists as measured by a cartoon technique. Kreling DH, et al. **Am J Hosp Pharm** 1984 Jan;41(1):111–20
Physician beliefs, attitudes, and prescribing behavior for anti-inflammatory drugs. Epstein AM, et al. **Am J Med** 1984 Aug;77(2):313–8
Physicians' attitudes toward circumcision. Herrera AJ, et al. **Am J Obstet Gynecol** 1984 Mar 15;148(6):825–6
Physicians' self-reports of reactions to malpractice litigation. Charles SC, et al. **Am J Psychiatry** 1984 Apr;141(4):563–5
Therapeutic neutrality and racial issues in treatment [letter] Myers WA. **Am J Psychiatry** 1984 Jul;141(7):918–9
Psychiatrists' judgments of dangerousness in patients on an acute care unit. Werner PD, et al. **Am J Psychiatry** 1984 Feb;141(2):263–6
Orienting therapists about patients' needs to increase patient satisfaction. Yamamoto J, et al. **Am J Psychiatry** 1984 Feb; 141(2):274–7
Prescriptive authority for nurse practitioners: a comparative study of professional attitudes. Bigbee JL, et al. **Am J Public Health** 1984 Feb;74(2):162–3
Podiatry: critical issues in the 1980s. Skipper JK Jr, et al. **Am J Public Health** 1984 May;74(5):507–8
Residents' attitudes toward parents' presence during anesthesia induction in children: does experience make a difference? Hannallah RS, et al. **Anesthesiology** 1984 Jun; 60(6):598–601
The skeptical chirurgeon. Goligher J. **Ann R Coll Surg Engl** 1984 May;66(3):207–10
Doctors' views on diabetes. Marteau TM, et al. **Arch Dis Child** 1984 Jun;59(6):566–70
Clinical judgments in the decision to commit. Psychiatric discretion and the law. Schwartz HI, et al. **Arch Gen Psychiatry** 1984 Aug;41(8):811–5
Attitudes of internal medicine subspecialty fellows toward primary care. Earp JA, et al. **Arch Intern Med** 1984 Feb; 144(2):329–33
'Dumped in the ER'. Shepard M. **Arch Intern Med** 1984 Aug; 144(8):1676
Surgical decision making and operative rates. Rutkow IM, et al. **Arch Surg** 1984 Aug;119(8):899–905
The third molar question: to extract or not to extract. Weiss J, et al. **ASDC J Dent Child** 1984 Jul–Aug;51(4):277–81
Attitudes of dental hygienists [letter] Carpenter TR. **Br Dent J** 1983 Sep 24;155(6):182
Therapeutic function of diagnostic label 'hysteria'. Nishiura K, et al. **Br J Med Psychol** 1984 Mar;57 (Pt 1):91–6
Psychiatrists' attitudes to psychosurgery. Proposals for the organization of a psychosurgical service in Yorkshire. Snaith RP, et al. **Br J Psychiatry** 1984 Mar;144:293–7
Doctor's attitudes to risk in difficult clinical decisions [letter] Benson T. **Br Med J [Clin Res]** 1984 Aug 25; 289(6443):496–7
Professionals' attitude to childbirth [letter] Cashman H. **Br Med J [Clin Res]** 1984 Jan 28;288(6413):324
British criteria for brain death: views of career grade doctors in Scotland [letter] Moore EJ. **Br Med J [Clin Res]** 1984 Feb 18;288(6416):565–6
What do young doctors think of their training and themselves? Parkhouse J, et al. **Br Med J [Clin Res]** 1984 Jun 30;288(6435):1976–7
What annoys me most. The telephone. Samuel O. **Br Med J [Clin Res]** 1983 Nov 26;287(6405):1599–600
Doctors' attitudes to risk in difficult clinical decisions: application of decision analysis in hepatobiliary disease. Theodossi A, et al. **Br Med J [Clin Res]** 1984 Jul 28; 289(6439):213–6
Factors effecting the recruitment of residents: the residents' and residency directors' view. McNevin S, et al. **Can J Psychiatry** 1983 Oct;28(6):449–52
Attitudes and opinions of physicians toward a coordinated home care program. Bay KS, et al. **Can J Public Health** 1983 Jul–Aug;74(4):250–5
Prenatal care for women planning home birth [letter] Kalpin A. **Can Med Assoc J** 1984 Jan 15;130(2):101–2
Soviet physicians against nuclear war: a PR ploy? Orkin A. **Can Med Assoc J** 1984 Feb 15;130(4):464–8

Changes in undergraduate attitudes toward medical ethics. Tiberius RG, et al. **Can Med Assoc J** 1984 Mar 15; 130(6):724–7
The reach to recovery program. An evaluation of the attitudes of Connecticut surgeons. Sparks FC, et al. **Cancer** 1984 Jun 15;53(12):2741–5
Emotional reactions of adult Africans to children with severe kwashiorkor. Izuora GI, et al. **Child Abuse Negl** 1983; 7(3):351–6
'No Code': a nurse's viewpoint. Hilliard MT. **Conn Med** 1983 Sep;47(9):567–9
'This will clear you mind': the use of metaphors for medication in psychiatric settings. Rhodes LA. **Cult Med Psychiatry** 1984 Mar;8(1):49–70
Cynical? Not us [editorial] McCarthy JT. **Cutis** 1983 Dec; 32(6):509
You can't win for losin'. Glassman CI. **Del Med J** 1984 Feb; 56(2):93–5
Peering down the retrospectroscope. Roth JR. **Del Med J** 1984 Feb;56(2):89–92
Forensic psychiatry—nurses' attitudes revealed. Phillips MS. **Dimens Health Serv** 1983 Sep;60(9):41, 43
Development and validation of an instrument to measure physicians' attitudes toward the clinical pharmacist's role. Grussing PG, et al. **Drug Intell Clin Pharm** 1984 Jul–Aug; 18(7–8):635–40
Obstetrical attitudes to glucocorticoid treatment for fetal lung maturation: time for a change? Keirse MJ. **Eur J Obstet Gynecol Reprod Biol** 1984 Jun;17(4):247–55
Teacher perceptions of high school special education programs. Brozovich R, et al. **Except Child** 1984 Apr; 50(6):548–50
Social-performance expectations of professionals for behaviorally disordered youth. Schloss PJ, et al. **Except Child** 1983 Sep;50(1):70–2
Private physicians and the provision of contraceptives to adolescents. Orr MT. **Fam Plann Perspect** 1984 Mar–Apr; 16(2):83–6
The psychiatrist as a 'presence': possible effects on emergency room staff attitudes. Melinek M, et al. **Gen Hosp Psychiatry** 1984 Jan;6(1):77–9
Vaccinating the elderly: will doctors join in? Raber P. **Geriatrics** 1983 Nov;38(11):24–35
Graduate nursing students' attitudes toward sexually active older persons. Damrosch SP. **Gerontologist** 1984 Jun; 24(3):299–302
Attitudes affecting organ donation in the intensive care unit. Stark JL, et al. **Heart Lung** 1984 Jul;13(4):400–4
Overcoming clinicians' resistance to computers. Craig TJ. **Hosp Community Psychiatry** 1984 Feb;35(2):121–2
Why physicians don't pursue abnormal laboratory tests: an investigation of hypercalcemia and the follow-up of abnormal test results. Link K, et al. **Hum Pathol** 1984 Jan; 15(1):75–8
Traditional birth attendants (Dais) and rural women—their concepts and attitude towards nutrition and child health in Andhra Pradesh. Krishna TP, et al. **Indian Pediatr** 1984 Jan;21(1):29–34
Countertransferential and attitudinal considerations in the treatment of drug abuse and addiction. Imhof J, et al. **Int J Addict** 1983 May;18(4):491–510
The causes of and solutions for rioting in Britain in the summer of 1981. Bhat A, et al. **Int J Soc Psychiatry** 1984 Spring;30(1–2):4–8
Psychiatric workers as emotional beings: the emotional reactions of staff following the Brixton riots. Bhat A, et al. **Int J Soc Psychiatry** 1984 Spring;30(1–2):9–14
Nurses' commitment to militance in collective bargaining. Beletz EE. **Int Nurs Rev** 1983 Jul–Aug;30(4):110–7
Do nurses help or hinder mothers who breastfeed? Ellis DJ, et al. **J Adv Nurs** 1983 Jul;8(4):281–8
'We didn't want him to die on his own'—nurses' accounts of nursing dying patients. Field D. **J Adv Nurs** 1984 Jan; 9(1):59–70
Interdisciplinary education as a facet of health care policy: the impact of attitudinal research. Bassoff BZ. **J Allied Health** 1983 Nov;12(4):280–6
Mothers who work outside of the home and their children: a survey of health professionals' attitudes. Martin HP, et al. **J Am Acad Child Psychiatry** 1984 Jul;23(4):472–8
Prevention in the dental office: results of a preventive dentistry survey. American Dental Association Health Foundation. **J Am Dent Assoc** 1984 May;108(5):809, 811–2, 815 passim
Survey of smoking behavior and attitudes of 630 American dentists: current trends. Christen AG. **J Am Dent Assoc** 1984 Aug;109(2):271–2
Attitudes of dentists and consumers toward advertising. Majewski RF, et al. **J Am Dent Assoc** 1984 Mar; 108(3):345–7
Dentists and blood pressure measurement: a survey of attitudes and practice. Ramaprasad R, et al. **J Am Dent Assoc** 1984 May;108(5):767–71
Attitudes of, and use of audiovisual resources by, Virginia dietitians. Pearson JM. **J Am Diet Assoc** 1984 Apr; 84(4):452–3
Nutrition attitudes and knowledge of nursing students. Ross IK. **J Am Diet Assoc** 1984 Jun;84(6):687–8
Attitudes of medical students [letter] Powell C. **J Am Geriatr Soc** 1983 Nov;31(11):713
Teaching on one's own body. Jacobson JS. **J Am Med Wom Assoc** 1984 Mar–Apr;39(2):49–52
Changes in students' attitudes following a pelvic teaching associate program. Wallis LA, et al. **J Am Med Wom Assoc** 1984 Mar–Apr;39(2):46–8
Long term carers. Crawshaw R. **J Chronic Dis** 1983; 36(12):907–8
Symptom perception by nonpsychiatric physicians in evaluating for depression. Zung WW, et al. **J Clin Psychiatry** 1984 Jul;45(7 Pt 2):26–8
Assessment of body elimination attitude. Templer DI, et al. **J Clin Psychol** 1984 May;40(3):754–9
Effect of extramural experiences on dental students' attitudes. Grantham EV, et al. **J Dent Educ** 1983 Oct;47(10):681–4
Family physicians' beliefs about breast cancer screening by mammography. Cummings KM, et al. **J Fam Pract** 1983 Dec;17(6):1029–34
Physicians' impressions of old medical records. Hendrickson RM, et al. **J Fam Pract** 1983 Dec;17(6):1081–2
Provider acceptance of telemedicine systems in remote areas of Ontario. Higgins CA, et al. **J Fam Pract** 1984 Feb; 18(2):285–9
Physicians' views of patients in prepaid group practice: reasons for visits to HMOs. Barr JK. **J Health Soc Behav** 1983 Sep;24(3):244–55
Perceptions of patients by emergency room staff: substance-abusers versus non-substance-abusers. Biener L. **J Health Soc Behav** 1983 Sep;24(3):264–75
Race differences in involuntary hospitalization: psychiatric vs. labeling perspectives. Rosenfield S. **J Health Soc Behav** 1984 Mar;25(1):14–23
Participation in continuing medical education of general practitioners in New Zealand. Barham PM, et al. **J Med Educ** 1984 Aug;59(8):649–54
Measurement of psychosocial attitudes in medical students. Dornbush RL, et al. **J Med Educ** 1984 Jan;59(1):59–61
Factors associated with behavior change in family physicians after CME presentation. Ferguson KJ, et al. **J Med Educ** 1984 Aug;59(8):662–6
Effect of three-year and four-year curricula on physicians' attitudes and medical practice. Gunzburger LK, et al. **J Med Educ** 1984 May;59(5):373–9
Attitudes of house officers toward a hospice on a medical service. Mathew LM, et al. **J Med Educ** 1983 Oct; 58(10):772–7
Ethics and surveys. Downie RS. **J Med Ethics** 1984 Jun; 10(2):77–8
Three viewpoints on the therapeutic alliance. Similarities, differences, and associations with psychotherapy outcome. Marziali E. **J Nerv Ment Dis** 1984 Jul;172(7):417–23
Pediatric residents' attitudes and cognitive knowledge, and faculty ratings. Kastner L, et al. **J Pediatr** 1984 Jun; 104(6):814–8
Clients' and therapists' perspectives on reasons for seeking therapy. Gibb GD, et al. **J Psychol** 1983 Jul;114(2d Half):249–52
Age stereotypes held by student nurses. Goebel BL. **J Psychol** 1984 Mar;116(2d Half):249–54
Non-accidental injury to children: a survey of professional attitudes. Boyter EM, et al. **J R Coll Gen Pract** 1983 Dec; 33(257):773–5
Medical ethics: a survey of general practitioners' attitudes. Dunn JW, et al. **J R Coll Gen Pract** 1983 Dec;33(257):763–7
Breast cancer: views of general practitioners on its detection and treatment. Kalache A, et al. **J R Coll Gen Pract** 1984 May;34(262):250–4
Misconceptions about learning disabilities. Brechin C, et al. **J Rehabil** 1984 Apr–Jun;50(2):30–3
Belief systems—patient and physician views of arthritis and its treatment [editorial] Chalmers A. **J Rheumatol** 1984 Feb; 11(1):1–2
Views of patients and providers regarding the importance of various aspects of an arthritis treatment program. Potts M, et al. **J Rheumatol** 1984 Feb;11(1):71–5
Mental health professionals' views of Afro-American family life and sexuality. Powell GJ, et al. **J Sex Marital Ther** 1983 Spring;9(1):51–66
The trainee's view of the faculty of occupational medicine's training scheme. Bishop DA. **J Soc Occup Med** 1984 May; 34(2):53–5
Attitudes of New Zealand general practitioners to alcohol-related problems. Casswell S, et al. **J Stud Alcohol** 1983 Mar;44(2):342–51
Willingness of graduate social work students to treat alcoholics; a replication study. Duxbury RA. **J Stud Alcohol** 1983 Jul;44(4):748–53
The mystique of medical training. Dubovsky SL, et al. **JAMA** 1983 Dec 9;250(22):3057–8
Physicians and caries prevention. Results of a physician survey on preventive dental services. Gift HC, et al. **JAMA** 1984 Sep 21;252(11):1447–8
The tomato effect. Rejection of highly efficacious therapies. Goodwin JS, et al. **JAMA** 1984 May 11;251(18):2387–90
Cynicism among medical students. Kopelman L. **JAMA** 1983 Oct 21;250(15):2006–10
Impact on nursing home staff of training about death and dying. Linn MW, et al. **JAMA** 1983 Nov 4;250(17):2332–5
Assessment of health status [letter] Smith GP Jr, et al. **JAMA** 1983 Dec 16;250(23):3163–4
Merging hospitals and physician support. Tremonti L, et al. **JAMA** 1983 Nov 18;250(19):2628–32
Breastfeeding editorial [letter] **JOGN Nurs** 1984 May–Jun; 13(3):196
The hepatitis carrier. **Lancet** 1984 Feb 11;1(8372):332
The Samaritans and the medical profession. Day GH. **Lancet** 1983 Dec 24–31;2(8365–66):1477–9
Academic medicine in peril. Kessel N. **Lancet** 1983 Oct 15; 2(8355):899–901
Physicians' attitudes in counseling patients about smoking. Wells KB, et al. **Med Care** 1984 Apr;22(4):360–5
An investigation of the attitudes of medical students to physically disabled people. Mitchell KR, et al. **Med Educ** 1984 Jan;18(1):21–3
An initial explanatory model of a medical students' preferences for patient types. Najman JM, et al. **Med Educ** 1984 Jul;18(4):249–54
The dying as a disadvantaged group [letter] Pollard B. **Med J Aust** 1984 Jun 9;140(12):745
Neonatal circumcision: attitudes and practices of United States Air Force physicians. Brownlee HJ Jr, et al. **Milit Med** 1984 Aug;149(8):462–4
Attitudes of military health care providers toward proposed automation of outpatient medical records. Nice DS, et al. **Milit Med** 1983 Dec;148(12):911–3
Alternative medicine [letter] **N Engl J Med** 1984 May 3; 310(18):1195–6
Facing our mistakes [letter] **N Engl J Med** 1984 Jun 21; 310(25):1675–7
Medical response to AIDS epidemics [letter] Bender BS, et al. **N Engl J Med** 1984 Feb 9;310(6):389
Self-interest and altruism in physicians [letter] Cohen RL. **N Engl J Med** 1984 Apr 19;310(16):1061
Reconciling humane concerns and laboratory animal research [letter] Fox MW. **N Engl J Med** 1984 Feb 2;310(5):325–6
Doing what 'needs' to be done. Linzer M. **N Engl J Med** 1984 Feb 16;310(7):469–70
Diabetes mellitus as seen by doctors and patients. Doorenbos H. **Neth J Med** 1984;27(5):176–8
The mental health professional and the normal adolescent. Hartlage S, et al. **New Dir Ment Health Serv** 1984 Jun; (22):29–43
A comparison of perceptions of problematic behavior by six minority groups and mental health professionals. Flaskerud JH. **Nurs Res** 1984 Jul–Aug;33(4):190–7
Abortion [letter] **NZ Med J** 1983 Nov 23;96(744):987
Adolescent medicine: attitudes and skills of pediatric and medical residents. Slap GB. **Pediatrics** 1984 Aug; 74(2):191–7
Use of the SCL-90R to assess health care staff's perceptions of patients' psychological states. Nahmias LM, et al. **Percept Mot Skills** 1983 Dec;57(3 Pt 1):803–6
Physical therapists' attitudes toward teaching. Sotosky JR. **Phys Ther** 1984 Mar;64(3):347–50
The plethora of practice options. What physicians themselves think. Katz C. **Postgrad Med** 1983 Dec;74(6):223–4, 226
Trends in self-prescribing and attitudes to self-medication. Peach H. **Practitioner** 1983 Oct;227(1384):1609–15
Family physicians' beliefs about cancer screening tests. Cummings KM, et al. **Prog Clin Biol Res** 1983;130:361–8
An evaluation of physician determinants in the referral of patients for cancer clinical trials in the community setting. Winn RJ, et al. **Prog Clin Biol Res** 1984;156:63–73
The interpersonal impact approach to patient assessment: specific links between psychotics' symptoms and staff's feelings. Reiss D, et al. **Psychiatry Res** 1984 Mar; 11(3):237–50
Medical students' attitudes to psychiatry at the end of the clinical curriculum. Wilkinson DG, et al. **Psychol Med** 1983 Aug;13(3):655–8
Development and initial reliability testing of an instrument to measure attitudes toward in-service programming among psychiatric hospital staff. Abraham IL, et al. **Psychol Rep** 1983 Oct;53(2):589–90
Staff perceptions of work environment in a state psychiatric hospital. Drude KP, et al. **Psychol Rep** 1984 Feb; 54(1):263–8
Opinions about mental illness: a comparison of American and Greek social work students in 1969 and 1979. Koutrelakos J, et al. **Psychol Rep** 1983 Aug;53(1):71–80
Francis Peabody revisited: The Care of the Patient, 1983 [editorial] Graham JR. **Psychosomatics** 1983 Sep;24(9):779, 783
The cancer ward: patient perceptions—staff misperceptions. Nehemkis AM, et al. **Psychother Psychosom** 1984; 41(1):42–7
The psychotherapist's fear of empirical research. Strotzka H. **Psychother Psychosom** 1983;40(1–4):228–31
Comparison of nurses' smoking habits: the 1975 DHEW survey and Connecticut nurses, 1981. Morra ME, et al. **Public Health Rep** 1983 Nov–Dec;98(6):553–7
Prescribing estrogen during menopause: physician survey of practices in 1974 and 1981. Pasley BH, et al. **Public Health Rep** 1984 Jul–Aug;99(4):424–9
Clinical instructors and training—the student viewpoint. Black P. **Radiography** 1984 Jul–Aug;50(592):159–60
Informed consent for intravenous contrast-enhanced radiography: a national survey of practice and opinion. Spring DB, et al. **Radiology** 1984 Sep;152(3):609–13
Attitudes of private medical practitioners towards package inserts and other drug information sources. Joubert PH, et al. **S Afr Med J** 1984 Aug 25;66(8):306–7
The patient's view. Armstrong D. **Soc Sci Med** 1984; 18(9):737–44
Professional socialization in dentistry: a longitudinal analysis of changes in students' expected professional rewards. Eli I. **Soc Sci Med** 1984;18(4):297–302

Health Education and the primary care physician: the practitioner's perspective. Ford AS, et al. **Soc Sci Med** 1983;17(20):1505–12

Attitudes of a group of Egyptian medical students towards family planning. el-Mehairy T. **Soc Sci Med** 1984; 19(2):131–4

Managing medical mistakes: ideology, insularity and accountability among internists-in-training. Mizrahi T. **Soc Sci Med** 1984;19(2):135–46

Attitudes of medical students in Belgrade, Yugoslavia, toward preventive medicine and epidemiology. Radovanović Z, et al. **Soc Sci Med** 1983;17(23):1873–5

Primary health care in Southeast Asia: attitudes about community participation in community health programmes. Rifkin SB. **Soc Sci Med** 1983;17(19):1489–96

Attitudes in the provision of public sector health and mental health care. Moffic HS, et al. **Soc Work Health Care** 1983 Summer;8(4):17–28

Survey of physician acceptance of the pneumococcal vaccine. Berk SL, et al. **South Med J** 1984 Apr;77(4):450–4

Therapeutic value of hope. Bruhn JG. **South Med J** 1984 Feb;77(2):215–9

Pediatricians' attitudes toward maternal employment and substitute child care. Sinal SH, et al. **South Med J** 1984 Jun;77(6):726–9

Jehovah's Witnesses and blood transfusion: physicians' attitudes and legal precedents. Tierney WM, et al. **South Med J** 1984 Apr;77(4):473–8

Physicians attitudes toward homosexuality [letter] Mathews C, et al. **West J Med** 1984 Feb;140(2):290–1

[The study of pharmacy in our society. III. Attitudes of physicians to the pharmacist's profession. Conclusion] Fifková V, et al. **Cesk Farm** 1984 May;33(3–4):156–61 (Eng. Abstr.) **(Cze)**

[Rooming-in – a problem for health care workers?] Sráčková D. **Cesk Gynekol** 1983 Nov;48(9):678–9 **(Cze)**

[Experience with the results of the reform of medical education from the viewpoint of graduates and leading workers in health care institutions] Strnad L, et al. **Cesk Zdrav** 1984 Apr;32(4):166–72 (Eng. Abstr.) **(Cze)**

[Opinions of dentists participating in continuing education on continuing education and its implementation] Lehtinen R, et al. **Proc Finn Dent Soc** 1983;79(3):140–4 (Eng. Abstr.) **(Fin)**

[Télé-accueil: advantages and inadequacies of the tool. Viewpoint of the neuropsychiatrist] Meyers C, et al. **Acta Psychiatr Belg** 1983 Sep-Oct;83(5):509–16 (Eng. Abstr.) **(Fre)**

[Attitudes of physicians and medical students towards cancer and cancer patients] Hoerni B, et al. **Bull Cancer (Paris)** 1983;70(5):394–400 (Eng. Abstr.) **(Fre)**

[Psychiatric sectorization as seen by the physicians of Vaud. Results of a survey (1979)] Grasset F. **Rev Med Suisse Romande** 1984 Feb;104(2):145–61 **(Fre)**

[Reactions of medical students to the demonstration of forensico-pathologic findings by slide presentation] Dittmann V, et al. **Beitr Gerichtl Med** 1984;42:207–10 (Eng. Abstr.) **(Ger)**

[Problems and conflicts of the oncologist and his assistants] Meerwein F. **MMW** 1984 Mar 2;126(9):219–22 **(Ger)**

[How medical students view themselves and their fellow students. Causes of unsatisfactory relations and cooperation with medical colleagues] Speierer GW, et al. **MMW** 1984 Jan 6;126(1):4–6 (Eng. Abstr.) **(Ger)**

[The image of the child guidance clinic among the public and from the viewpoint of clients and counselors] Schmidtchen S, et al. **Prax Kinderpsychol Kinderpsychiatr** 1983 Jul;32(5):166–73 (Eng. Abstr.) **(Ger)**

[Attitude of the hospital community toward the psychiatric department and mental patients] Gyuris J, et al. **Orv Hetil** 1983 Oct 16;124(42):2555–7 (Eng. Abstr.) **(Hun)**

[Views of physicians from 59 countries with regard to malignant neoplasm control (based on the results of the questionnaires of Dr. Shigeru Hisamichi)] Wronkowski Z, et al. **Nowotwory** 1983 Jan-Mar;33(1):71–80 (Eng. Abstr.) **(Pol)**

[Selected emotional attitudes of medical students to mentally ill patients] Wandzel L. **Psychiatr Pol** 1983 May-Jun; 17(3):255–61 (Eng. Abstr.) **(Pol)**

[Ethical problems in medicine—how they are thought of and viewed by the teachers at the Medical School of Zagreb] Mitak M, et al. **Lijec Vjesn** 1983 Jun;105(6):260–4 (Eng. Abstr.) **(Scr)**

[Attitudes toward the psychiatric patient] Díez Manrique JF, et al. **Actas Luso Esp Neurol Psiquiatr** 1983 Jul-Aug; 11(4):295–312 (Eng. Abstr.) **(Spa)**

[Opinions, attitudes and use of tobacco in a public health institution] Lara MA, et al. **Salud Publica Mex** 1984 Mar-Apr;26(2):122–9 (Eng. Abstr.) **(Spa)**

[Health personnel in the matter of legal abortion: physicians and other personnel should have the right to refuse to perform abortions] Jacobsson L, et al. **Lakartidningen** 1983 Sep 28;80(39):3541–5 **(Swe)**

ATTITUDE TO DEATH

The dying elderly patient. Marshall JR. **Am Fam Physician** 1983 Nov;28(5):161–5

Role of obstetrician in care of woman experiencing perinatal death [letter] Kellner KR. **Am J Obstet Gynecol** 1984 Mar 15;148(6):830

Parents' reactions to the death of an adult child from cancer. Shanfield SB, et al. **Am J Psychiatry** 1984 Sep; 141(9):1092–4

Manifestations of consciousness and the developmental phenomenon of death. Schorr JA. **ANS** 1983 Oct;6(1):26–35

Neonatal death—the neglected side of neonatal care? McIntosh N, et al. **Arch Dis Child** 1984 Jun;59(6):585–7

Psychosocial aspects of death and dying in Duchenne muscular dystrophy. Madorsky JG, et al. **Arch Phys Med Rehabil** 1984 Feb;65(2):79–82

Honesty after death [editorial] **Br Med J [Clin Res]** 1983 Dec 24–31;287(6409):1906

Handling of death in special care nurseries and parental grief. White MP, et al. **Br Med J [Clin Res]** 1984 Jul 21; 289(6438):167–9

A skeleton comes out of the closet: historians explore attitudes toward death. Essay review. Ranum O. **Bull Hist Med** 1983 Fall;57(3):450–7

The patient and the dying psychiatrist. Meloche M. **Can J Psychiatry** 1984 Jun;29(4):330–4

Traditional African attitudes towards death and dying. Gelfand M. **Cent Afr J Med** 1983 May;29(5):111–6

Catastrophic events: reaction of preschool age children and their families. Rosenthal PA. **Child Psychiatry Hum Dev** 1983 Winter;14(2):106–16

Indigenous Koro, a genital retraction syndrome of insular Southeast Asia: a critical review. Edwards JW. **Cult Med Psychiatry** 1984 Mar;8(1):1–24

Evaluation of the Olsen technique for estimating the fertility response to child mortality. Trussell J, et al. **Demography** 1983 Aug;20(3):391–405

Art therapy helps kids cope with death. **Hospitals** 1984 Feb 1;58(3):44

Effects of group confrontation with death and dying. Spiegel D, et al. **Int J Group Psychother** 1983 Oct;33(4):433–47

Death anxiety in leukemic Chinese children. Lee PW, et al. **Int J Psychiatry Med** 1983–84;13(4):281–9

Fear of death, death attitudes, and religious conviction in the terminally ill. Smith DK, et al. **Int J Psychiatry Med** 1983–84;13(3):221–32

'We didn't want him to die on his own'—nurses' accounts of nursing dying patients. Field D. **J Adv Nurs** 1984 Jan; 9(1):59–70

Confronting death and dying: training for clinical dietitians. Dickens RN, et al. **J Am Diet Assoc** 1983 Dec;83(6):690–2

Ethical aspects of care for the dying incompetent. Dyck AJ. **J Am Geriatr Soc** 1984 Sep;32(9):661–4

To die at home: rejection of medical intervention by geriatric patients who had serious organic disease. Hershkowitz M. **J Am Geriatr Soc** 1984 Jun;32(6):457–9

Ethical judgments of quality of life in the care of the aged. Thomasma DC. **J Am Geriatr Soc** 1984 Jul;32(7):525–7

Extraordinary nutritional support: a case study and ethical analysis. Watts DT, et al. **J Am Geriatr Soc** 1984 Mar; 32(3):237–42

Personality correlates of the Fear of Death and Dying Scale. Loo R. **J Clin Psychol** 1984 Jan;40(1):120–2

Attraction and repulsion by life and death in suicidal and in normal children. Oroach I, et al. **J Consult Clin Psychol** 1983 Oct;51(5):661–70

Projective assessment of the relationships between the salience of death, religion, and age among adults in America. Richardson V, et al. **J Gen Psychol** 1983 Oct; 109(2d Half):149–56

Notes on casework with the terminally ill. Meloy SE. **J Geriatr Psychiatry** 1983;16(1):149–51

The final picture in art. Zlatin HP, et al. **J Geriatr Psychiatry** 1983;16(1):113–47

And how can one die better? Courage, faith, and fatalism. Dagi TF. **J Med Philos** 1983 Nov;8(4):431–5

Suicidal death: social reactions to bereaved survivors. Calhoun LG, et al. **J Psychol** 1984 Mar;116(2d Half):255–61

Perspectives on death: a developmental study. Keller JW, et al. **J Psychol** 1984 Jan;116(1st Half):137–42

Instructional units of death education: the impact of amount of classroom time on changes in death attitudes. Rublee DA, et al. **J Sch Health** 1983 Sep;53(7):412–5

Impact on nursing home staff of training about death and dying. Linn MW, et al. **JAMA** 1983 Nov 4;250(17):2332–5

Children's concepts of death. Implications for pediatric practice. Betz CL, et al. **Nurs Clin North Am** 1984 Jun; 19(2):341–9

Dealing with the nurse's grief. Sheard T. **Nurs Forum** 1984; 21(1):43–5

Parental behavior after perinatal death: lack of predictive demographic and obstetric variables. Kellner KR, et al. **Obstet Gynecol** 1984 Jun;63(6):809–14

Subjective acceleration of time: death anxiety and sex differences. Joubert CE. **Percept Mot Skills** 1983 Aug; 57(1):49–50

Communication with the dying patient. Lamerton R. **Practitioner** 1984 Jun;228(1392):581–3

The death instinct. Lowental U. **Psychoanal Rev** 1983 Winter; 70(4):559–70

The Doppelgänger, disintegration and death: a case report. Maack LH, et al. **Psychol Med** 1983 Aug;13(3):651–4

Death anxiety, purpose in life and duration of service in hospice volunteers. Amenta MM. **Psychol Rep** 1984 Jun; 54(3):979–84

Relationship of religiosity to death anxiety of middle-aged males. Downey AM. **Psychol Rep** 1984 Jun;54(3):811–22

Relationship between life satisfaction and acceptance of death by elderly persons. Flint GA, et al. **Psychol Rep** 1983 Aug; 53(1):290

Death anxiety and attitudes toward disabled persons. Livneh H. **Psychol Rep** 1983 Oct;53(2):359–63

Geropsychology: meaning in life for adults over seventy. McCarthy SV. **Psychol Rep** 1983 Oct;53(2):497–8

Cross-cultural research on the Templer/McMordie Death Anxiety Scale. McMordie WR, et al. **Psychol Rep** 1984 Jun;54(3):959–63

Death anxiety scale means and standard deviations for Ontario undergraduates and funeral directors. Schell BH, et al. **Psychol Rep** 1984 Apr;54(2):439–46

Psychosocial correlates of death anxiety in a population of medical students. Vargo ME, et al. **Psychol Rep** 1984 Jun; 54(3):737–8

A matter of life and death: health care change in an Andean community. Finerman RD. **Soc Sci Med** 1984;18(4):329–34

Are we a 'death-denying' society? a sociological review. Kellehear A. **Soc Sci Med** 1984;18(9):713–23

A death in the family: parental bereavement in the first year. Cook JA. **Suicide Life Threat Behav** 1983 Spring; 13(1):42–61

The sociopsychology of work ethics. Campolo A. **Trans Stud Coll Physicians Phila** 1984 Jun;6(2):97–112

Adolescents and the threat of nuclear war: the evolution of a perspective. Beardslee WR, et al. **Yale J Biol Med** 1983 Mar-Apr;56(2):79–91

Children and the nuclear threat: a child psychiatrist's personal reflections. Salguero C. **Yale J Biol Med** 1983 Mar-Apr; 56(2):93–6

The social management of children with spina bifida who are unlikely to survive. Emery JL, et al. **Z Kinderchir** 1983 Dec;38 Suppl 2:119–20

[Active euthanasia without thanatology; therapy without diagnosis?] Ogilvie HJ. **Ned Tijdschr Geneeskd** 1984 Feb 25;128(8):363–4 **(Dut)**

[Apparent death: a curiosity?] van den Bent MJ. **Ned Tijdschr Geneeskd** 1983 Dec 10;127(50):2301–4 **(Dut)**

[Psychosomatic relations between the date of death and birth] Stumpfe KD. **Aktuel Gerontol** 1983 Nov;13(6):244–7 (Eng. Abstr.) **(Ger)**

['Don't you know, how much that hurts...?' Fear of apparent death] Brettel HF, et al. **Beitr Gerichtl Med** 1984;42:359–62 (Eng. Abstr.) **(Ger)**

[Similar findings on different backgrounds: different effects of a longer life expectancy in Japan and Germany] Imhof AE. **Z Gerontol** 1984 May-Jun;17(3):167–75 (Eng. Abstr.) **(Ger)**

[Various aspects of the psychology of dying] Gebert K. **Pol Tyg Lek** 1983 Jun 27;38(26):823–4 **(Pol)**

[Physician and patient in the face of death] Guzek A. **Pol Tyg Lek** 1984 Mar 5;39(10):345–8 **(Pol)**

[The right to die with dignity (letter)] Abraham-Jalil AE. **Bol Med Hosp Infant Mex** 1983 Jun;40(6):342–3 **(Spa)**

[Death wish and reality of the act in subjects who attempted suicide] Heman Contreras A. **Salud Publica Mex** 1984 Jan-Feb;26(1):39–49 (Eng. Abstr.) **(Spa)**

ATTITUDE TO HEALTH

see related
CONSUMER PARTICIPATION
PATIENT DROPOUTS
PATIENT PARTICIPATION

Relevance of social and behavioral factors in the evaluation of dental health care for school children. Hamp SE, et al. **Acta Odontol Scand** 1984 Apr;42(2):109–18

Patterns of primary care that create dependency. James DH Jr, et al. **Am J Dis Child** 1984 Jun;138(6):530–5

The consumers' views of genetic counseling of hemophilia. Markova I, et al. **Am J Med Genet** 1984 Apr;17(4):741–52

The uses of hopelessness. Bennett MI, et al. **Am J Psychiatry** 1984 Apr;141(4):559–62

Correlates of self-reported and objectively determined exposure to Agent Orange. Korgeski GP, et al. **Am J Psychiatry** 1983 Nov;140(11):1443–9

Patients' perspectives on community alternatives to hospitalization: a follow-up study. Okin RL, et al. **Am J Psychiatry** 1983 Nov;140(11):1460–4

Awareness of negative social conditions among mentally retarded, emotionally disturbed outpatients. Reiss S, et al. **Am J Psychiatry** 1984 Jan;141(1):88–90

Response to antipsychotic medication: the doctor's and the consumer's view. Van Putten T, et al. **Am J Psychiatry** 1984 Jan;141(1):16–9

Differences in dental experiences, practices, and beliefs of inner-city and suburban adolescents. Cipes MH, et al. **Am J Public Health** 1983 Nov;73(11):1305–7

Predicting changes in perceived health status. Goldstein MS, et al. **Am J Public Health** 1984 Jun;74(6):611–4

Children with juvenile chronic arthritis: their beliefs about their illness and therapy. Beales JG, et al. **Ann Rheum Dis** 1983 Oct;42(5):481–6

Instrument development for health belief model constructs. Champion VL. **ANS** 1984 Apr;6(3):73–85

Information seeking: a component of client decisions and health behavior. Lenz ER. **ANS** 1984 Apr;6(3):59–72 (45 ref.)

An assessment of the diabetic knowledge of school teachers.

Bradbury AJ, et al. **Arch Dis Child** 1983 Sep;58(9):692–6
A metamorphosis. Senders SD. **Arch Intern Med** 1984 Aug; 144(8):1675
Modifying attitudes toward disabled persons while resocializing spinal cord injured patients. Haney M, et al. **Arch Phys Med Rehabil** 1984 Aug;65(8):431–6
Parental attitudes and dental disease in preschool children in Iowa. Walker JD, et al. **ASDC J Dent Child** 1984 Mar–Apr;51(2):141–5
Attitudes towards dental care among young people in Scotland. Implications for dental health education. Blinkhorn AS, et al. **Br Dent J** 1983 Nov 5;155(9):311–3
What about the reluctant patients? Green RM, et al. **Br Dent J** 1984 Jun 9;156(11):387
What about the reluctant patients [letter] Rattan R. **Br Dent J** 1984 Jul 7;157(1):5
'Attitudes towards dental care among young people in Scotland [letter] Wanless MB. **Br Dent J** 1984 Jan 7; 156(1):7
The consumers' attitude to obstetric care. Morgan BM, et al. **Br J Obstet Gynaecol** 1984 Jul;91(7):624–8
Modern or traditional? A study of treatment preference for neuropsychiatric disorders in Botswana. Dale JR, et al. **Br J Psychiatry** 1984 Aug;145:187–92
'Wind illness' or somatic depression? A case study in psychiatric anthropology. Eisenbruch M. **Br J Psychiatry** 1983 Oct;143:323–6
Family and social factors in the course of schizophrenia [letter] Scott RD, et al. **Br J Psychiatry** 1977 Aug;131:220–1
Comment on Bryan Turner's 'The government of the body: medical regimen and the rationalization of diet'. Aronson N. **Br J Sociol** 1984 Mar;35(1):62–5
AIDS: sense not fear [editorial] Adler MW, et al. **Br Med J [Clin Res]** 1984 Apr 21;288(6425):1177–8
Changing attitudes to exercise induced asthma [editorial] Holgate ST. **Br Med J [Clin Res]** 1983 Dec 3; 287(6406):1650–1
General practitioners' views on asthma in childhood. Marks BE, et al. **Br Med J [Clin Res]** 1983 Oct 1;287(6397):949–51
General practitioner and health promotion: what patients think. Wallace PG, et al. **Br Med J [Clin Res]** 1984 Sep 1;289(6444):534–6
Health in the nation's values. Sheatsley PB. **Bull NY Acad Med** 1984 Jan–Feb;60(1):5–13
A survey of dental knowledge, attitudes and behavior of expectant parents. Lee AJ. **Can Dent Assoc J** 1984 Feb; 50(2):145–6
The impact of physical fitness evaluation on behavioural intentions towards regular exercise. Godin G, et al. **Can J Appl Sport Sci** 1983 Dec;8(4):240–5
Health beliefs and exercise habits in an employee fitness programme. Morgan PP, et al. **Can J Appl Sport Sci** 1984 Jun;9(2):87–93
Surgery in the aged. Lomax AJ, et al. **Can J Surg** 1983 Nov; 26(6):550–1
Cancer patients' insight into their treatment, prognosis, and unconventional therapies. Eidinger RN, et al. **Cancer** 1984 Jun 15;53(12):2736–40
Attitudes towards cancer. Development of the cancer attitudes questionnaire. Lebovits AH, et al. **Cancer** 1984 Sep 15;54(6):1124–9
Reaction to a diagnosis of breast cancer. Relationship between denial, delay and rates of psychological morbidity. Watson M, et al. **Cancer** 1984 May 1;53(9):2008–12
Health interests of schoolchildren, parents and teachers and their application to health education in primary schools. Ross MH, et al. **Cent Afr J Med** 1983 Sep;29(9):185–8
Partnership with fathers in combating malnutrition: their views as to causes and treatment of protein energy malnutrition. Ojofeitimi EO, et al. **Child Care Health Dev** 1984 Mar–Apr;10(2):61–6
Differentiating positively and negatively health oriented Finnish university students by discriminant analyses. Murtomaa H, et al. **Community Dent Oral Epidemiol** 1984 Aug;12(4):243–8
Regularity of dental attendance in the Netherlands related to preference for preservation of teeth. Schuurs AH, et al. **Community Dent Oral Epidemiol** 1984 Aug;12(4):249–54
Breastfeeding: attitudes and beliefs of an Australian Capital Territory sample of secondary school students. Ellis DJ. **Community Health Stud** 1983 Oct;7(3):290–5
Determinants of intentions to take precautions against skin cancer. Hill D, et al. **Community Health Stud** 1984; 8(1):33–44
Drink–driving—the nexus between social attitudes, social action and research directions. Johnston IR. **Community Health Stud** 1984;8(2):229–33
Attitudes of non–participants in an occupational based programme of screening for colorectal cancer. Silman A, et al. **Community Med** 1984 Feb;6(1):8–11
Variations in problem conceptualizations and intended solutions among Hong Kong students. Cheung FM, et al. **Cult Med Psychiatry** 1983 Sep;7(3):263–78
Perceived risk and elderly perceptions of generic drug prescribing. Bearden WO, et al. **Gerontologist** 1979 Apr; 19(2):191–5
Life satisfaction, happiness, and morale: two problems with the use of subjective well–being indicators. Horley J. **Gerontologist** 1984 Apr;24(2):124–7
A health belief interview for clinical geriatrics. Rakowski W, et al. **Gerontologist** 1984 Apr;24(2):120–3
Patient attitudes about headache. Barnat MR, et al. **Headache** 1983 Sep;23(5):229–37
A study of the smoking habits of pregnant women and their attitudes to smoking in hospital. Nichol N, et al. **Health Bull (Edinb)** 1983 Sep;41(5):233–7
Illness attributions and the health belief model. King JB. **Health Educ Q** 1983 Fall–Winter;10(3–4):287–312
The impact of communications on the self–regulation of health beliefs, decisions, and behavior. Leventhal H, et al. **Health Educ Q** 1983 Spring;10(1):3–29
Perceived adequacy of patient education and fears and adjustments after cardiac surgery. Stanton BA, et al. **Heart Lung** 1984 Sep;13(5):525–31
A cross cultural comparison of children's illness and dental illness concepts. Wright FA. **Hygie** 1984 Mar;3(1):25–30
The relationship of internal locus of control, value placed on health, perceived importance of exercise, and participation in physical activity during leisure. Laffrey SC, et al. **Int J Nurs Stud** 1983;20(3):187–96
A comparison of the knowledge and attitudes about smoking among nurses who never smoked, those who have successfully stopped smoking and those who currently smoke. Swenson I, et al. **Int J Nurs Stud** 1983;20(3):163–70
Hypochondriacal beliefs and attitudes in family practice and psychiatric patients. Kellner R, et al. **Int J Psychiatry Med** 1983–84;13(2):127–39
School children's attitudes towards the handicapped. Furnham A, et al. **J Adolesc** 1984 Jun;7(2):99–117
The dangers of ill–health through recreation. Zwingmann C, et al. **J Adolesc** 1984 Mar;7(1):73–81
Critique of the health–belief model. Davidhizar R. **J Adv Nurs** 1983 Nov;8(6):467–72
Understanding mental illness: the experience of families of psychiatric patients. Rose LE. **J Adv Nurs** 1983 Nov; 8(6):507–11
Survey of smoking behavior and attitudes of 630 American dentists: current trends. Christen AG. **J Am Dent Assoc** 1984 Aug;109(2):271–2
Knowledge and attitudes of schoolteachers toward oral health programs and preventive dentistry. Loupe MJ, et al. **J Am Dent Assoc** 1983 Aug;107(2):229–34
Establishing the need for nutrition education: III. Elementary students' nutrition knowledge, attitudes, and practices. Foley CS, et al. **J Am Diet Assoc** 1983 Nov;83(5):564–8
Nutrition information delivered via pension check envelopes: an effective and well–received means of providing nutrition education. Shannon B, et al. **J Am Diet Assoc** 1984 Aug; 84(8):930–2
Marathoners over sixty years of age: results of a survey. Hogan DB, et al. **J Am Geriatr Soc** 1984 Feb;32(2):121–3
Remarks made by old people during venipuncture. Mulley GP, et al. **J Am Geriatr Soc** 1984 Feb;32(2):160–1
The significant of an ill spouse for assessing health differences in an elderly population. Satariano WA, et al. **J Am Geriatr Soc** 1984 Mar;32(3):187–90
Dental outpatients: health locus of control correlates. Ludenia K, et al. **J Clin Psychol** 1983 Nov;39(6):854–8
Health behaviors of psychotherapists. Royak–Schaler R, et al. **J Clin Psychol** 1984 May;40(3):705–10
Assessment of body elimination attitude. Templer DI, et al. **J Clin Psychol** 1984 May;40(3):754–9
Physical health status as a consequence of health practices. Reed WL. **J Community Health** 1983 Summer;8(4):217–28
Differences among entering dental classes in attitudes toward health care issues. Bader JD. **J Dent Educ** 1984 Aug; 48(8):463–8
Effect of spouse support and health beliefs on medication adherence. Doherty WJ, et al. **J Fam Pract** 1983 Nov; 17(5):837–41
The maximum exercise stress test: is it a behavior–modification tool? Driggers DA, et al. **J Fam Pract** 1984 May;18(5):715–8
Binge eating, vomiting, and weight fear in a female high school population. Moss RA, et al. **J Fam Pract** 1984 Feb; 18(2):313–20
Patients' expectations of periodic health examinations. Romm FJ. **J Fam Pract** 1984 Aug;19(2):191–5
Effects of bereavement on self–perceptions of physical health in elderly widows and widowers. Thompson LW, et al. **J Gerontol** 1984 May;39(3):309–14
The health belief model and compliance with education given at a class in breast self–examination. Calnan MW, et al. **J Health Soc Behav** 1984 Jun;25(2):198–210
Symptoms, beliefs, and the use of physician services among the disadvantaged. Sharp K, et al. **J Health Soc Behav** 1983 Sep;24(3):255–63
Medicine and paradigms of embodiment. Leder D. **J Med Philos** 1984 Feb;9(1):29–43
Three viewpoints on the therapeutic alliance. Similarities, differences, and associations with psychotherapy outcome. Marziali E. **J Nerv Ment Dis** 1984 Jul;172(7):417–23
The relatives of the mentally ill. A comparative trial of community–oriented and hospital–oriented psychiatric care. Reynolds I, et al. **J Nerv Ment Dis** 1984 Aug; 172(8):480–9
Children's perceptions of chronic illness: the roles of disease symptoms, cognitive development, and information. Potter PC, et al. **J Pediatr Psychol** 1984 Mar;9(1):13–27
Healthy young children's concepts of hospitals, medical personnel, operations, and illness. Redpath CC, et al. **J Pediatr Psychol** 1984 Mar;9(1):29–40
Race as a factor in the perceived importance of the use of psychotropic medication. Wood WD, et al. **J Psychiatr Res** 1982–83;17(3):297–301
Subjective health assessments and the perceived outcome of minor surgery. Hunt SM, et al. **J Psychosom Res** 1984; 28(2):105–14
Health beliefs and rehabilitation after lumbar disc surgery. Roberts N, et al. **J Psychosom Res** 1984;28(2):139–44
Children's opinions about smoking. Charlton A. **J R Coll Gen Pract** 1984 Sep;34(266):483–7
Response from women to adverse publicity about oral contraceptives. Portnoy A. **J R Coll Gen Pract** 1984 Jun; 34(263):334–5
How do patients see participation? Dakin A. **J R Coll Gen Pract [Occas Pap]** 1981 Jun;(17):27–8
The influence of socioeconomic status on health–related knowledge and habits of middle–aged males. Auckland JN, et al. **J R Soc Health** 1984 Aug;104(4):130–4
How I try to keep myself alive and well. Maddison J. **J R Soc Health** 1984 Aug;104(4):150–2
Health knowledge among teachers: case study of teacher's training college in Benin City, Nigeria. Oshodin OG. **J R Soc Health** 1984 Aug;104(4):147–9
Attitudinal research and the Hispanic handicapped: a review of selected needs. Arnold BR. **J Rehabil** 1983 Oct–Dec; 49(4):36–8
Video depictions of blindness and attitudes toward disability. Elliott TR, et al. **J Rehabil** 1984 Jan–Mar;50(1):49–52, 71
Effects of primary grades health curriculum project on student and parent smoking attitudes and behavior. Andrews RL, et al. **J Sch Health** 1984 Jan;54(1):18–20
The effects of ethnicity, sex and father's occupation on heart health knowledge and nutrition behavior of school children: the Texas youth health awareness survey. Burdine JN, et al. **J Sch Health** 1984 Feb;54(2):87–90
Health behavior survey of California School Health educators. Nakamura RM, et al. **J Sch Health** 1983 Nov; 53(9):557–60
Health risk attitudes, beliefs and behaviors of students grades 7–12. O'Rourke T, et al. **J Sch Health** 1984 May;54(5):210–4
Nutrition knowledge of teen–agers. Skinner JD, et al. **J Sch Health** 1984 Feb;54(2):71–4
A three component alcohol attitude scale. Veenker CH, et al. **J Sch Health** 1984 May;54(5):204–7
Epilepsy in Sri Lanka: public awareness and attitudes. Senanayake N, et al. **J Trop Med Hyg** 1984 Apr;87(2):61–6
The increasing concern with infertility. Why now? Aral SO, et al. **JAMA** 1983 Nov 4;250(17):2327–31
Assessment of health status [letter] Smith GR Jr, et al. **JAMA** 1983 Dec 16;250(23):3163–4
Correlates of dysmenorrhea. A challenge to past stereotypes. Brown MA, et al. **JOGN Nurs** 1984 Jul–Aug;13(4):259–66
Failure to vaccinate [letter] **Lancet** 1984 Feb 11;1(8372):342–3
An astrocytoma. Arthur L. **Lancet** 1984 Apr 7;1(8380):786–7
Relationship between biological changes and symptoms and health behaviour during the climacteric. Walfisch S, et al. **Maturitas** 1984 Jul;6(1):9–17
Office laboratory tests. Perceptions of profitability. Epstein AM, et al. **Med Care** 1984 Feb;22(2):160–6
Health versus money. Value judgments in the perspective of decision analysis. Thompson MS. **Med Decis Making** 1983;3(3):285–97
Non–communicable diseases in the Pacific [letter] Finau S. **Med J Aust** 1984 Feb 18;140(4):243–4
Impact of health education programme on knowledge, attitude and practice (KAP) of people in cholera affected areas of Luapula Province—Zambia. Mahadik VJ, et al. **Med J Zambia** 1983 Apr;17(2):32–8
We physicians must care for our medical students. Scheiber SC. **Mich Med** 1983 May;82(24):280–1
Science and scam: alternative thought patterns in alternative health care. Fitzgerald FT. **N Engl J Med** 1983 Oct 27; 309(17):1066–7
The community deals with the child who has a handicap. Bullard ID, et al. **Nurs Clin North Am** 1984 Jun; 19(2):309–18
Parental attitude and adjustment to childhood epilepsy. Austin JK, et al. **Nurs Res** 1984 Mar–Apr;33(2):92–6
Ethno–medical beliefs and practices of Mexican–Americans. Gonzalez–Swafford MJ, et al. **Nurse Pract** 1983 Nov–Dec; 8(10):29–30, 32, 34
Coronary care and rehabilitation: patient and spouse responses. Marsland CP, et al. **NZ Med J** 1984 Jun 27; 97(758):406–8
The attitude of chronic hemodialysis patients toward dental treatment. Galili D, et al. **Oral Surg** 1983 Dec;56(6):602–4
Diet, exercise, and physical discomfort in college students. Gondola JC, et al. **Percept Mot Skills** 1983 Oct; 57(2):559–65
Dimensions relevant to the health care and therapeutic use of self–control strategies: a system model for applied research. Shapiro DH Jr. **Perspect Biol Med** 1983 Summer; 26(4):568–86
Poor public awareness of foreign travel hazards. Ghosh SK. **Practitioner** 1984 Sep;228(1395):844–5
Patients' attitudes to medical hypnotherapy. McIntosh IB, et al. **Practitioner** 1984 Mar;228(1389):345–8
Trends in self–prescribing and attitudes to self–medication. Peach H. **Practitioner** 1983 Oct;227(1384):1609–15
Predicting colon cancer screening behavior from health beliefs. Macrae FA, et al. **Prev Med** 1984 Jan;13(1):115–26
Cancer prevention/detection behavior by the public: lessons from three surveys. Murfin GD, et al. **Prog Clin Biol Res** 1983;130:103–12

Cancer and the elderly: a cancer control challenge. Rimer B, et al. **Prog Clin Biol Res** 1983;130:123–33
Prognostic and psychosocial factors related to delay behavior in patients with cutaneous malignant melanoma. Temoshok L, et al. **Prog Clin Biol Res** 1984;156:169–79
College students drinking attitudes: 1970–1982. Hanson DJ, et al. **Psychol Rep** 1984 Feb;54(1):300–2
Mood alteration with swimming—swimmers really do 'feel better'. Berger BG, et al. **Psychosom Med** 1983 Oct; 45(5):425–33
Health-care seeking by men in their spouse's pregnancy. Quill TE, et al. **Psychosom Med** 1984 May–Jun; 46(3):277–83
Mood, sexuality, hormones and the menstrual cycle. I. Changes in mood and physical state: description of subjects and method. Sanders D, et al. **Psychosom Med** 1983 Dec; 45(6):487–501
Perceptions and causal attributions of Israeli women with breast cancer concerning their illness: the effects of ethnicity and religiosity. Baider L, et al. **Psychother Psychosom** 1983;39(3):136–43
Health locus of control: a potential moderator variable for the relationship between life stress and psychopathology. Hutner NL, et al. **Psychother Psychosom** 1984;41(4):186–94
Changing attitudes to mental handicap through adult education courses. McCormack B, et al. **Public Health** 1983 Nov;97(6):352–62
Responding to the psychological crisis of AIDS. Morin SF, et al. **Public Health Rep** 1984 Jan–Feb;99(1):4–9
Coping with the enormity of illness and disability. Dell Orto AE. **Rehabil Lit** 1984 Jan–Feb;45(1–2):22–3
Health beliefs, adjustment to illness, and control of hypertension. DeVon HA, et al. **Res Nurs Health** 1984 Mar; 7(1):10–6
Development of scales to measure beliefs of diabetic patients. Given GW, et al. **Res Nurs Health** 1983 Sep;6(3):127–41
Southeast Asian refugees of Rhode Island: cross-cultural issues in medical care. Finck J. **RI Med J** 1984 Jul; 67(7):319–21
Southeast Asian refugees of Rhode Island: the Hmong perception of illness. Thao X. **RI Med J** 1984 Jul; 67(7):323–30
Sick-role and attitude towards disease and working life two months after a myocardial infarction. Wiklund I, et al. **Scand J Rehabil Med** 1984;16(2):57–64
On the changes in the concept of illness throughout history. Heinild S. **Scand J Soc Med** 1983;11(2):33–5
Cross-cultural validity: ethnocentrism in health studies with special reference to the Vietnamese. Eyton J, et al. **Soc Sci Med** 1984;18(5):447–53
A matter of life and death: health care change in an Andean community. Finerman RD. **Soc Sci Med** 1984;18(4):329–34
Lay consultation of older people. Furstenberg AL, et al. **Soc Sci Med** 1984;18(10):827–37
Health and culture in an African society. Namboze JM. **Soc Sci Med** 1983;17(24):2041–3
Primary health care in Southeast Asia: attitudes about community participation in community health programmes. Rifkin SB. **Soc Sci Med** 1983;17(19):1489–96
Therapeutic value of hope. Bruhn JG. **South Med J** 1984 Feb;77(2):215–9
Clinical and roentgenographic examination of 697 Swedish recruits, year group 1980. Björn AL, et al. **Swed Dent J** 1983;7(4):129–39
Role of confrontation in performance and interpretation of nocturnal penile tumescence studies. Schwartz DT. **Urology** 1983 Sep;22(3):240–2
Lifting the curse of menstruation: toward a feminist perspective on the menstrual cycle. Koeske RD. **Women Health** 1983 Summer–Fall;8(2–3):1–16
[Health issues in the work of Czech Utopians] Bouček K. **Cas Lek Cesk** 1983 Oct 7;122(40):1217–20 **(Cze)**
[Patients without subjective benefit from hospital admission] Gjørup T, et al. **Ugeskr Laeger** 1984 Feb 13;146(7):498–500 (Eng. Abstr.) **(Dan)**
[Attitudes of Danish patients to scientific ethical questions. An interview study of therapeutic trials] Jensen J, et al. **Ugeskr Laeger** 1983 Oct 10;145(41):3171–5 (Eng. Abstr.) **(Dan)**
[Hospitalized schoolchildren's knowledge of their bodies, illness and treatment] Kjeldsen-Kragh E, et al. **Ugeskr Laeger** 1984 Feb 6;146(6):457–60 (Eng. Abstr.) **(Dan)**
[Confessing doubt] Fréour P. **Hygie** 1984 Mar;3(1):49–50 (Eng. Abstr.) **(Fre)**
[What do parents think about their reception at a child resuscitation unit?] Tourrette C, et al. **Neuropsychiatr Enfance Adolesc** 1984 Jan;32(1):11–23 (Eng. Abstr.) **(Fre)**
[The health of 16-to-19-year-old adolescents from the Canton of Vaud: their perceptions, practices and desires. Methods and initial results of a study] Michaud PA, et al. **Praxis** 1983 Dec 6;72(49):1545–53 (Eng. Abstr.) **(Fre)**
[Health education of the adult population] Lisovschi V, et al. **Sante Publique (Bucur)** 1983;26(2):171–8 (Eng. Abstr.) **(Fre)**
[Conization and hysterectomy from the viewpoint of the surgically treated woman. Results of an inquiry among 814 conized and conized-hysterectomized women] Dietl J, et al. **Geburtshilfe Frauenheilkd** 1983 Sep;43(9):562–6 (Eng. Abstr.) **(Ger)**
[Risk behavior and health] Gostomzyk JG. **Off Gesundheitswes** 1983 Oct;45 Suppl 1:1–3 **(Ger)**
[Expectations of patients from a health resort cure] Liebeck H. **Off Gesundheitswes** 1984 May;46(5):217–21 **(Ger)**
[The body as a partner] Blankenburg W. **Psychother Psychosom Med Psychol** 1983 Nov;33(6):206–12 (Eng. Abstr.) **(Ger)**
[Empirical observations on the concept of health and its implicit ideas of value. A study within the scope of the Heidelberg follow-up project] Bürckstümmer G, et al. **Psychother Psychosom Med Psychol** 1983 Nov;33(6):200–5 (Eng. Abstr.) **(Ger)**
[Psychological effects on the evaluation of physical symptoms with the example of hirsutism] Strauss B, et al. **Psychother Psychosom Med Psychol** 1984 Jul;34(7):179–85 (Eng. Abstr.) **(Ger)**
[History of the determinants of attitude toward the handicapped] Wilken U. **Rehabilitation (Stuttg)** 1984 May; 23(2):81–3 (Eng. Abstr.) **(Ger)**
[Therapeutic attitude of kidney transplantation patients—initial results of a psychological test study] Hudemann B, et al. **Z Urol Nephrol** 1983 Oct;76(10):633–8 (Eng. Abstr.) **(Ger)**
[Health behavior of pregnant teenagers in early pregnancy] Reis K, et al. **Zentralbl Gynakol** 1984;106(6):393–7 (Eng. Abstr.) **(Ger)**
[Thoughts on the meaning of life of the human] Meves C. **ZFA (Stuttgart)** 1983 Oct 31;59(30):1676–8 **(Ger)**
[Health related behavior in high school students: IV. Relationships between behavioral attributes] Epstein LM, et al. **Harefuah** 1983 Apr 1;104(7):298–300 (Eng. Abstr.) **(Heb)**
[Model of proper nutrition in the opinion of Warsaw adolescents (relationship to sex and social environment] Narojek L, et al. **Rocz Panstw Zakl Hig** 1983; 34(5–6):429–37 (Eng. Abstr.) **(Pol)**
[Attitude to health matters among middle-aged men in a program to prevent ischemic heart disease] Baubinene AV, et al. **Kardiologiia** 1984 Apr;24(4):81–4 (Eng. Abstr.) **(Rus)**
[Attitude to health and its effect on the social activities of invalids with disorders of the musculoskeletal system] Dement'eva NF, et al. **Klin Med (Mosk)** 1983 Aug; 61(8):122–5 (Eng. Abstr.) **(Rus)**
[Exercise therapy and a healthy life style] Moshkov VN. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 Jul–Aug; (4):57–60 **(Rus)**
[Ilićism and 'after' Ivan Ilić] Knežević S. **Lijec Vjesn** 1983 Sep;105(9):337–42 (Eng. Abstr.) **(Scr)**
[Attitudes toward the psychiatric patient] Díez Manrique JF, et al. **Actas Luso Esp Neurol Psiquiatr** 1983 Jul–Aug; 11(4):295–312 (Eng. Abstr.) **(Spa)**
[A Christian sense of human suffering] Monge MA. **Rev Med Univ Navarra** 1984 Mar;28(1):61–5 **(Spa)**

ATTRITION, DENTAL see **TOOTH ABRASION**

ATYPICAL BACTERIAL FORMS

ISOLATION & PURIFICATION

Acute conjunctivitis caused by an atypical chlamydial strain: Chlamydia IOL 207. Forsey T, et al. **Br J Ophthalmol** 1984 Jun;68(6):409–11

ATYPICAL INTERSTITIAL PNEUMONIA OF CATTLE see **PNEUMONIA, ATYPICAL INTERSTITIAL, OF CATTLE**

AUDIOLOGY

Proposed changes in the requirements for the certificate of clinical competence. **ASHA** 1983 Sep;25(9):65
Committee report. Ad Hoc Committee on Long Range Planning. **ASHA** 1983 Sep;25(9):61–4
Ethical Practice Board statement of practices and procedures (effective September 1982). **ASHA** 1983 Nov;25(11):21, 23
Resource Guide to Multicultural Tests and Materials. Supplement I. Cole L, et al. **ASHA** 1983 Sep;25(9):37–42
William W. Green [interview] Green WW. **ASHA** 1983 Nov; 25(11):17–20
The personal computer as a professional tool. Minifie FD. **ASHA** 1984 Jun;26(6):23–5
ASHA—from adolescence onward. Minifie FD. **ASHA** 1983 Dec;25(12):17–21
David E. Yoder. ASHA interviews 1984 ASHA president. Yoder DE. **ASHA** 1984 Jan;26(1):23–6

ECONOMICS

National trends in third party reimbursement in speech-language pathology and audiology: our professional crisis. Chwat SE, et al. **ASHA** 1984 Jul;26(7):27–32
Salaries in the speech-language pathology and audiology profession. Punch JL. **ASHA** 1984 Jul;26(7):41–6

EDUCATION

Clinical supervision in speech-language pathology and audiology. **ASHA** 1984 May;26(5):45–8
Guidelines for graduate training in amplification. **ASHA** 1984 May;26(5):43
ASHA's continuing education program. **ASHA** 1983 Aug; 25(8):25–6
ASHA interviews John C. 'Jack' Bess. Bess JC. **ASHA** 1983 Aug;25(8):19–21
Training issues. Graduate student externship. Ehrlich CH, et al. **ASHA** 1983 Dec;25(12):25–8
Continuing education in the next decade. Hodgkinson HL. **ASHA** 1983 Aug;25(8):23
Profile of educational programs in speech-language pathology and audiology. Punch JL, et al. **ASHA** 1984 Jan;26(1):43–8
Microcomputer applications. Rushakoff GE, et al. **ASHA** 1984 Jun;26(6):27–31
Preferred vehicles for continuing education. Shadden BB, et al. **ASHA** 1984 Jun;26(6):45–9
Games people play in clinical supervision. Sleight CC. **ASHA** 1984 Jan;26(1):27–9
Audiology technicians' training manual [letter] Armstrong-Bednall G, et al. **Br J Audiol** 1984 May; 18(2):105–6
Observed differences between direct, indirect, and direct/indirect videotaped supervisory conferences. Brasseur JA, et al. **J Speech Hear Res** 1983 Sep; 26(3):349–55

INSTRUMENTATION

A clinician's model for the review of speech, language, and hearing microcomputer software. Rishakoff GE. **ASHA** 1984 Aug;26(8):43–4
Microprocessors in audiology and neurophysiology. Stevens JC. **J Med Eng Technol** 1983 Nov–Dec;7(6):307–8

MANPOWER

Factors related to state service levels. Fein DJ. **ASHA** 1983 Jul;25(7):31
Occupational mobility of speech-language pathologists and audiologists: Part I. Punch J. **ASHA** 1983 Dec;25(12):23

TRENDS

Findings from the 1983 ASHA Omnibus Survey. Fein DJ. **ASHA** 1984 Apr;26(4):45–8
On aging. Fein DJ. **ASHA** 1984 Aug;26(8):25
Reflections on the elusive mystery of our discipline/profession. Nation JE. **ASHA** 1984 Jul;26(7):35–8
Knowledge and service: does the foundation of our science need shoring? Zimmermann GN. **ASHA** 1984 Apr; 26(4):31–2
Four years of British audiology. Brooks DN. **Br J Audiol** 1984 Feb;18(1):1–5
[Audiology in Great Britain] Kinduris VIu. **Vestn Otorinolaringol** 1984 Jul–Aug;(4):77–8 **(Rus)**

AUDIOMETRY

see related
AUDITORY THRESHOLD

Audio-vestibular findings in patients with vestibular neuritis. Bergenius J, et al. **Acta Otolaryngol (Stockh)** 1983 Nov–Dec;96(5–6):389–95
Detection of aminoglycoside ototoxicity by high-frequency auditory evaluation: selected case studies. Fausti SA, et al. **Am J Otolaryngol** 1984 May–Jun;5(3):177–82
Audiometry—the ultimate test of success? Atherley G, et al. **Ann Occup Hyg** 1983;27(4):427–47
Reversible hearing loss after meningitis. Prospective assessment using auditory evoked responses. Guiscafré H, et al. **Ann Otol Rhinol Laryngol** 1984 May–Jun;93(3 Pt 1):229–32
Hearing loss following Hemophilus influenzae meningitis in infancy. Diagnosis by evoked response audiometry. MacDonald JT, et al. **Arch Neurol** 1984 Oct;41(10):1058–9
Auditory brain-stem response and hearing threshold in cerebellopontine angle tumours. Prosser S, et al. **Arch Otorhinolaryngol** 1984;239(3):183–9
Audiological and vestibular findings in 219 cases of meningitis. Rahko T, et al. **Arch Otorhinolaryngol** 1984; 240(1):15–20
The effect of ambient noise and other variables on pure tone threshold screening in a population of primary school entrants. Hallett CP, et al. **Br J Audiol** 1983 Aug; 17(3):183–90 (9 ref.)
Brainstem auditory-evoked potentials and electrocochleography: comparison of different criteria for the detection of acoustic neuroma and other cerebello-pontine angle tumours. Prasher DK, et al. **Br J Audiol** 1983 Aug;17(3):163–74 (25 ref.)
Considerations in the differentiation between brainstem lesions and sensori-neural hearing loss using auditory nerve-brainstem evoked responses. Sohmer H, et al. **Clin Electroencephalogr** 1984 Jul;15(3):159–63
A comparison of transtympanic and ear canal recorded electrocochleography in clinical practice. Stevens JC, et al. **Clin Otolaryngol** 1983 Dec;8(6):405–10
Auditory brain stem response abnormalities in the very low birthweight infant: incidence and risk factors. Cox LC, et al. **Ear Hear** 1984 Jan–Feb;5(1):47–51
Auditory brain stem responses of premature infants to bone-conducted stimuli: a feasibility study. Hooks RG, et al. **Ear Hear** 1984 Jan–Feb;5(1):42–6
Bone-conduction masking for threshold assessment in auditory brain stem response testing. Webb KC, et al. **Ear Hear** 1983 Sep–Oct;4(5):261–6
Audiometric monitoring of cis-platinum ototoxicity. Brown RL, et al. **Gynecol Oncol** 1983 Oct;16(2):254–62

An analysis of the annual audiometric survey of school children in the Greater Glasgow Health Board area for the school year 1979/80. Womersley J, et al. **Health Bull (Edinb)** 1984 Mar;42(2):81–6

A retrospective study of audiological function in a group of congenital hypothyroid patients. Crifò S, et al. **Int J Pediatr Otorhinolaryngol** 1980 Nov;2(4):347–55

Auditory brainstem responses in perinatal asphyxia. Kileny P, et al. **Int J Pediatr Otorhinolaryngol** 1980 Jun;2(2):147–59

Brainstem auditory evoked response in children with central language disturbance. Piggott LR, et al. **J Am Acad Child Psychiatry** 1983 Nov;22(6):535–40

Hearing assessment in homes for the aged: a comparison of audiometric and self-report methods. Corbin S, et al. **J Am Geriatr Soc** 1984 May;32(5):396–400

Excursion size Bekesy tracings of continuous and interrupted tones at threshold and at most comfortable loudness in cochlear-impaired ears. Dancer JE. **J Aud Res** 1983 Jan; 23(1):72–6

High-frequency Bekesy audiometry: IV. Normative aspects for normal-hearing young adult. Guaz MT, et al. **J Aud Res** 1983 Jan;23(1):43–55

A nine-year review of 841 children tested by transtympanic electrocochleography. Bellman S, et al. **J Laryngol Otol** 1984 Jan;98(1):1–9

Clinical monitoring of the effects of gentamicin by electrocochleography. Keene M, et al. **J Laryngol Otol** 1984 Jan;98(1):11–21

Electrocochleography in the child—a 300 case study. Ferron P, et al. **J Otolaryngol** 1983 Aug;12(4):235–8

A neonatal hearing screening research program using brainstem electric response audiometry. Hyde ML, et al. **J Otolaryngol** 1984 Feb;13(1):49–54

Validity of hearing thresholds obtained from the rising portion of the audiogram in sensorineural hearing loss. Humes LE, et al. **J Speech Hear Res** 1984 Jun;27(2):206–11

Effect of hearing aids on hearing. Podoshin L, et al. **Laryngoscope** 1984 Jan;94(1):113–7

Audiometric programs' value rising with hearing loss claims. Robinette MS. **Occup Health Saf** 1984 Feb;:23–4

Pure tone audiogram configurations in acoustic tumor patients. Brunás RL, et al. **Rev Laryngol Otol Rhinol (Bord)** 1984;105(2):113–6

Continuous monitoring of SP and CAP during glycerol test in Menière's disease: preliminary results. Dauman R, et al. **Rev Laryngol Otol Rhinol (Bord)** 1984;105(2 Suppl):219–21

On the contribution of inferior collicular neurones to brainstem evoked responses in the guinea pig. Palmer AR, et al. **Rev Laryngol Otol Rhinol (Bord)** 1984;105(2 Suppl):157–62

Eighth nerve responses in guinea pigs with long term endolymphatic hydrops. Prijs VF, et al. **Rev Laryngol Otol Rhinol (Bord)** 1984;105(2 Suppl):229–35

Audiologic screening of seven- and ten-year-old children. Gimsing S, et al. **Scand Audiol** 1983;12(3):171–7

Stapedius reflex and brainstem auditory evoked responses in multiple sclerosis patients. Grénman R, et al. **Scand Audiol** 1984;13(2):109–13

Examination effects in audiometric testing of children. Roche AF, et al. **Scand Audiol** 1983;12(4):251–6

Measurement of auditory threshold adaptation by tone decay and Bekesy audiometry. Young IM, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1983 Fall; 36(2):178–81

[Recording normal human electrocochleograms from tympanic promontory and tympanic membrane] Ni DF, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1983 Oct;5(5):299–302 (Eng. Abstr.) **(Chi)**

[Our audiometric criteria for the prevention of occupational hearing disorders] Tománek R, et al. **Cesk Otolaryngol** 1983 Jul;32(4):230–8 (Eng. Abstr.) **(Cze)**

[Audiology] **Arch Otorhinolaryngol [Suppl]** 1983;2:222–53 **(Ger)**

[Relations between pure-tone threshold and discrimination of monosyllables in inner ear high-frequency hearing disorders] Battmer RD, et al. **HNO** 1984 Feb;32(2):69–73 (Eng. Abstr.) **(Ger)**

[The validity of various audiometric testing methods in tumor-induced hearing disorders] Schmidt W, et al. **HNO** 1984 Apr;32(4):165–9 (Eng. Abstr.) **(Ger)**

[Limits of brain-stem audiometry in pedaudiology] Hülse M. **Laryngol Rhinol Otol (Stuttg)** 1984 Feb;63(2):82–7 (Eng. Abstr.) **(Ger)**

[The value of brain-stem audiometry in the selection of hearing aids] Kiessling J. **Laryngol Rhinol Otol (Stuttg)** 1984 Feb;63(2):88–91 (Eng. Abstr.) **(Ger)**

[Effect of membrane-effective drugs (anti-arrhythmia agents) on acoustically evoked brain-stem potentials] Lenarz T, et al. **Laryngol Rhinol Otol (Stuttg)** 1984 Feb;63(2):92–7 (Eng. Abstr.) **(Ger)**

[Limits of objective audiometry in children with brain damage] Klepel H, et al. **Psychiatr Neurol Med Psychol Beih** 1983;29:74–9 **(Ger)**

[The auditory brainstem evoked response in comatose children] Goitein KJ, et al. **Harefuah** 1983 Dec 1; 105(11):349–51 (Eng. Abstr.) **(Heb)**

[Experimental and clinical study of endolymphatic hydrops by means of electrocochleogram] Inamori T. **Nippon Jibiinkoka Gakkai Kaiho** 1984 Mar;87(3):325–39 (Eng. Abstr.) **(Jpn)**

[Experimental studies on auditory disturbance of cerebral apoplectic patients] Nakamura K. **Nippon Jibiinkoka Gakkai Kaibo** 1984 Mar;87(3):321–4 (Eng. Abstr.) **(Jpn)**

[Electrocochleographic study of the recruitment phenomenon] Ohsawa H. **Nippon Jibiinkoka Gakkai Kaiho** 1984 Jan;87(1):27–38 (Eng. Abstr.) **(Jpn)**

[How to read auditory brain stem responses] Onishi S. **Nippon Jibiinkoka Gakkai Kaiho** 1984 Mar;87(3):376–9 **(Jpn)**

[Electrocochleography in unilateral deafness] López Catalá F, et al. **An Otorrinolaringol Ibero Am** 1983;10(5):409–13 (Eng. Abstr.) **(Spa)**

[Contribution of electrical response audiometry to the study of vertebrobasilar insufficiency] Schneider M, et al. **An Otorrinolaringol Ibero Am** 1983;10(5):415–22 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

[Cochlear injuries produced by different auditory stimuli] Gómez Estancona N, et al. **An Otorrinolaringol Ibero Am** 1984;11(2):85–100 (Eng. Abstr.) **(Spa)**

HISTORY

Development of the audiometer and audiometry. Mester AF, et al. **Audiology** 1984;23(2):206–14

INSTRUMENTATION

Microcomputer-controlled psychoacoustics in clinical audiology. Lutman ME. **Br J Audiol** 1983 May; 17(2):109–14

An ear canal electrode for electrocochleography. Mason SM, et al. **Clin Phys Physiol Meas** 1984 Feb;5(1):29–32

Noise reduction characteristics of prefabricated sound-isolating enclosures: a laboratory, field measurement, and theoretical analysis. Franks JR, et al. **Ear Hear** 1984 Jan–Feb;5(1):2–12

Reference threshold sound pressure levels for the Welch Allyn AudioScope. Bienvenue GR, et al. **J Acoust Soc Am** 1984 Jun;75(6):1887–92

The AudioScope and family practice: field testing of a new instrument and a look at hearing loss in family practice. Griffin DH, et al. **Md State Med J** 1984 Apr;33(4):285–7

'Quasi free-field' audiometry: proposal for a modified transducer system. De Seta E, et al. **Scand Audiol** 1984; 13(2):115–8

Comparison of manual and computer-controlled audiometry using identical procedures. Jerlvall L, et al. **Scand Audiol** 1983;12(3):209–13

[Brief acoustic stimuli for the recording of brain stem potentials by computer controlled system analysis] Kleberc G, et al. **Laryngol Rhinol Otol (Stuttg)** 1983 Oct; 62(10):487–92 (Eng. Abstr.) **(Ger)**

[Automated audiometer] Kachnyí GG, et al. **Med Tekh** 1983 Jul–Aug;(4):55–6 **(Rus)**

[Experience in the use of computerized audiometry in examinations for hypoacusis and deafness] Tereshchuk TI, et al. **Vestn Otorinolaringol** 1984 May–Jun;(3):3–8 (Eng. Abstr.) **(Rus)**

METHODS

Intracochlear electrical stimulation of normal and deaf cats investigated using brainstem response audiometry. Black RC, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1983;399:5–17

Possible utility of middle latency responses in electric response audiometry. Davis H, et al. **Adv Otorhinolaryngol** 1983;31:208–16

Investigation of Menière's disorder by extratympanic electrocochleography. Gibbin KP, et al. **Adv Otorhinolaryngol** 1983;31:198–207

Identification of hearing loss in the neonatal intensive care unit population. Dennis JM, et al. **Am J Otol** 1984 Jan; 5(3):201–5

Evaluation of the auditory system: an update. Brackmann DE, et al. **Ann Otol Rhinol Laryngol** 1983 Nov–Dec;92(6 Pt 1):651–6

The effect of small changes in frequency on clinically determined estimates of auditory threshold. Woodford CM. **ASHA** 1984 Apr;26(4):25–30

Air and bone conduction brain stem responses in adults and infants. Cornacchia L, et al. **Audiology** 1983 Sep–Oct; 22(5):430–7

Frequency selectivity and thresholds of brief stimuli suitable for electric response audiometry. Davis H, et al. **Audiology** 1984;23(1):59–74

Brain stem potentials evoked by binaural click stimuli with differences in interaural time and intensity. Gerull G, et al. **Audiology** 1984;23(3):265–76

Comparison between hearing threshold measurements made with and without the aid of an ear speculum. Ivarsson A, et al. **Audiology** 1983 Sep–Oct;22(5):421–9

Reverse frequency-sweep audiometry in patients with retrocochlear and cochlear deafness. Karjalainen S, et al. **Audiology** 1984;23(1):53–8

On-line computer scoring of the auditory brainstem response for estimation of hearing threshold. Mason SM. **Audiology** 1984;23(3):277–96

Auditory brainstem responses to middle- and low-frequency tone pips. Maurizi M, et al. **Audiology** 1984;23(1):75–84

Contingent negative variation audiometry in children. Prevec TS, et al. **Audiology** 1984;23(1):114–26

Frequency-specific auditory brainstem responses to clicks masked by notched noise. van Zanten GA, et al. **Audiology** 1984;23(3):253–64

Successful auditory brainstem evoked response testing and test-age relationships in difficult-to-test children. Smyth V. **Aust Paediatr J** 1984 May;20(2):115–7

Summarizing pure tone audiograms: an extension of Bamford et al. (1980). Bench J. **Br J Audiol** 1983 May;17(2):91–4

The results of cortical electric response audiometry in medico-legal investigations. Coles RR, et al. **Br J Audiol** 1984 May;18(2):71–8

Audiometric zero for air conduction using manual audiometry. Fearn RW, et al. **Br J Audiol** 1983 May; 17(2):87–9

Electrocochleography and the glycerol dehydration test: a case study. Gibson WP, et al. **Br J Audiol** 1983 May; 17(2):95–9

Clinical and technical aspects of continuous ERA recordings. Moffat DA, et al. **Br J Audiol** 1983 Nov;17(4):257–61

The selective effects of central masking on brain stem potentials. Prasher DK, et al. **Br J Audiol** 1984 May; 18(2):79–83

An evaluation of high-frequency audiometry suitable for routine clinical use. Rendell RJ, et al. **Br J Audiol** 1983 May;17(2):81–5

A three-frequency audiogram for use in industry. Sinclair A, et al. **Br J Ind Med** 1984 Aug;41(3):401–5

Computer-aided tinnitus characterization. Mitchell PL, et al. **Clin Otolaryngol** 1984 Feb;9(1):35–42

The relationship of continuous (C) and interrupted (I) tones at threshold and most comfortable loudness (MCL) in hearing-impaired ears. Dancer J, et al. **Ear Hear** 1984 Mar–Apr;5(2):101–4

A comparative study of hearing screening procedures. FitzZaland RE, et al. **Ear Hear** 1984 Jul–Aug;5(4):205–10

The auditory brain stem response reliably predicts hearing loss in graduates of a tertiary intensive care nursery. Galambos R, et al. **Ear Hear** 1984 Jul–Aug;5(4):254–60

Dimensions of the averaged electroencephalic response (AER). Goldstein R. **Ear Hear** 1984 Jul–Aug;5(4):185–6

A comparison of auditory brain stem response and behavioral screening in high risk and normal newborn infants. Jacobson JT, et al. **Ear Hear** 1984 Jul–Aug;5(4):247–53

Audiometric earphone discomfort level and hearing aid saturation sound pressure level for a 90 decibel input signal (SSPL90) as measured in the human ear canal. Leijon A, et al. **Ear Hear** 1983 Jul–Aug;4(4):185–9

Frequency selectivity in normal-hearing listeners using a sweep, frequency-modulated masker: a preliminary report. McDonald JM. **Ear Hear** 1983 Jul–Aug;4(4):209–11

Visual scoring of the middle latency response. Mendel MI, et al. **Ear Hear** 1984 May–Jun;5(3):160–5

Human auditory steady state potentials. Stapells DR, et al. **Ear Hear** 1984 Mar–Apr;5(2):105–13

Sound field audiometry: recommended stimuli and procedures. Walker G, et al. **Ear Hear** 1984 Jan–Feb; 5(1):13–21

Pitfalls in auditory brain stem response audiometry. Weber BA. **Ear Hear** 1983 Jul–Aug;4(4):179–84

Electrocochleography and brainstem potentials in the diagnosis of the deaf child. Arslan E, et al. **Int J Pediatr Otorhinolaryngol** 1983 Jul;5(3):251–9

Clinical validity of 'speech-band audiometry' [letter] Koval CB, et al. **J Speech Hear Disord** 1983 Aug;48(3):328–30

A comparison of two conditioning procedures in the use of visual reinforcement audiometry (VRA). Thompson G, et al. **J Speech Hear Disord** 1984 Aug;49(3):241–5

Stimuli for sound field audiometry: a response to Lippmann and Adams (1982) [letter] Walker G, et al. **J Speech Hear Disord** 1984 May;49(2):219–20

Effects of click duration of the latency of the early evoked response. Beattie RC, et al. **J Speech Hear Res** 1984 Mar; 27(1):70–6

Electrocochleography: using extratympanic or transtympanic methods? Probst R. **ORL J Otorhinolaryngol Relat Spec** 1983;45(6):322–9

The current status of auditory brainstem response testing in neonatal populations. Cox LC. **Pediatr Res** 1984 Aug; 18(8):780–3

Dipole localization methods (DLM) and auditory evoked brainstem potentials. Grandori F. **Rev Laryngol Otol Rhinol (Bord)** 1984;105(2 Suppl):171–8

Spatio-temporal modelling of early auditory evoked potentials. Scherg M. **Rev Laryngol Otol Rhinol (Bord)** 1984;105(2 Suppl):163–70

ABR in patients with congenital/early acquired sensorineural hearing loss, abnormal stapedius reflex thresholds and speech retardation. Blegvad B, et al. **Scand Audiol** 1984; 13(1):41–6

Comparison of the efficiency of various criteria for artifact rejection in the recording of auditory brain-stem responses (ABR). Pantev C, et al. **Scand Audiol** 1984;13(2):103–8

Latencies of ABR (waves III and V) to binaural clicks: effects of interaural time and intensity differences. Rosenhamer HJ, et al. **Scand Audiol** 1983;12(3):201–7

The effects of stimulus rise-time and polarity on the auditory brainstem responses. Salt AN, et al. **Scand Audiol** 1984; 13(2):119–27

Derived acoustically evoked brainstem responses by means of narrow-band and notched-noise masking in normal-hearing subjects. Thümmler I, et al.

Scand Audiol 1984;13(2):129–37

The selection of modulation rates for frequency modulated sound field stimuli. Walker G, et al. **Scand Audiol** 1983; 12(3):151–6

[Multichannel infant reflex audiometry (MIRA)] Radü HJ, et al. **Laryngol Rhinol Otol (Stuttg)** 1983 Oct;62(10):485–6 (Eng. Abstr.) **(Ger)**

[Problems of electric response audiometry in practice] Stecker M. **Laryngol Rhinol Otol (Stuttg)** 1983 Dec; 62(12):566–9 (Eng. Abstr.) **(Ger)**

[Acoustically evoked brain stem potential and its clinical use] Röder H, et al. **Psychiatr Neurol Med Psychol Beih** 1983; 31:1–160 **(Ger)**

[Analysis of auditory evoked response by digital processing] Ehara Y, et al. **Iyodenshi To Seitai Kogaku** 1983 Jun; 21(3):174–80 (Eng. Abstr.) **(Jpn)**

[40Hz and 60Hz system for the human brain—dominance of right and left cerebral hemispheres in auditory perception] Tsunoda T. **Iyodenshi To Seitai Kogaku** 1983 Oct;21(6):426–32 (15 ref.) **(Jpn)**

[Clinical application of 40Hz ERP for audiometry] Harada K, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1983 Dec; 86(12):1447–54 (Eng. Abstr.) **(Jpn)**

[Our procedure in objective audiometry in the juvenile population] Mencheta E, et al.
An Otorrinolaringol Ibero Am 1983;10(5):481–8 (Eng. Abstr.) **(Spa)**

STANDARDS

The effect of calibration tolerance values on obtained audiometric threshold: a hearing conservation perspective. Woodford CM. **Am Ind Hyg Assoc J** 1984 Feb;45(2):110–6

Proposed revisions of Guidelines for Identification Audiometry. **ASHA** 1984 Feb;26(2):47–50

Towards fully objective evoked response audiometry. McClelland RJ, et al. **Br J Audiol** 1983 Nov;17(4):263–70

Standardisation in evoked response measurements. Thornton AR. **Br J Audiol** 1983 May;17(2):115–6

WC hearing loss claims should be handled with care. Sataloff J. **Occup Health Saf** 1984 Mar;:35–6, 47

AUDIOMETRY, EVOKED RESPONSE see under **AUDIOMETRY**

AUDIOMETRY, IMPEDANCE see **ACOUSTIC IMPEDANCE TESTS**

AUDIOMETRY, PURE-TONE see under **AUDIOMETRY**

AUDIOMETRY, SPEECH

[Speech audiometry for French Canadians] Picard M. **Audiology** 1984;23(4):337–65 (66 ref.) (Eng. Abstr.) **(Fre)**

[Speech testing after cochlear implantation] Bogomil'skiĭ MR, et al. **Vestn Otorinolaringol** 1984 Jul–Aug;(4):10–4 (Eng. Abstr.) **(Rus)**

METHODS

Clinical considerations in the use of time-compressed speech. Grimes AM, et al. **Ear Hear** 1984 Mar–Apr;5(2):114–7

Test-retest reliability of a forced-choice procedure for determining most comfortable loudness level for speech. Wall LG, et al. **Ear Hear** 1984 Mar–Apr;5(2):118–22

The application of the theory of signal detection to the assessment of speech perception. Yanz JL. **Ear Hear** 1984 Mar–Apr;5(2):64–71

Phonetic factors in the dichotic alignment of the Staggered Spondaic Word Test. Rudmin F. **J Aud Res** 1981 Oct; 21(4):247–54

Some aspects of methodology in speech audiometry. Hagerman B. **Scand Audiol [Suppl]** 1984;21:1–25

[Measurement of the efficacy of the Rimondini-Rossi test for audiometric screening] Maragno C, et al.
Acta Otorhinolaryngol Ital 1983 Sep–Oct;3(5):483–90 (Eng. Abstr.) **(Ita)**

AUDIO-VISUAL AIDS

Interactive videodisc: an innovative instructional system. Brawley RJ, et al. **Am Ann Deaf** 1983 Sep;128(5):685–700

Microcomputer activities of the special materials project. Novick L. **Am Ann Deaf** 1983 Sep;128(5):595–9

Preparation of audiovisual aids for infection control education. Fishman M. **Am J Infect Control** 1984 Feb; 12(1):10–3

The best and brightest. AJN Media Festival awards 1984. Meyer J. **Am J Nurs** 1984 Jul;84(7):894–8

The personal computer as a clinical research and teaching tool. Sladen JG. **Am J Surg** 1984 May;147(5):654–9

New library buildings: the University of Michigan Medical Library and Learning Resource Center. Wulff LY, et al. **Bull Med Libr Assoc** 1984 Jan;72(1):18–22

Foam bones. Experimental teaching aid. Neimkin RJ, et al. **Clin Orthop** 1983 Nov;(180):310–2

Diabetes instruction. The Kisa model. Falkenberg M. **Diabete Metab** 1983 May–Jun;9(2):164

Essentials of audiovisual presentations. Is your audience listening or sleeping. Hoexter B, et al. **Dis Colon Rectum** 1984 Jan;27(1):55–9

Audiovisual reviews: media models of successful aging. Davis RH. **Gerontologist** 1979 Feb;19(1):121–5

Let's keep the audience awake. Finlayson M. **J Audiov Media Med** 1983 Jul;6(3):107–8

New materials and methods for producing coloured teaching slides. Greenberg S. **J Audiov Media Med** 1984 Jul; 7(3):114–5

Management of a large ophthalmological slide collection. Siertsema JV, et al. **J Audiov Media Med** 1983 Oct; 6(4):147–8

Library-media production interface. Tashjian SA, et al. **J Biocommun** 1983 Sep;10(3):10–5

Computers in media services management—the case for timesharing. Michaels KV. **J Biol Photogr** 1984 Jan; 52(1):1–4

Paired-image slides for effective comparative presentations. Niilo L. **J Biol Photogr** 1983 Jul;51(3):67–72

A teaching model for the buccal object rule. Reader A. **J Dent Educ** 1984 Aug;48(8):469–72

The value of student-made models as learning aids in physiology. Abu-Sitta SA, et al. **Med Educ** 1984 Sep; 18(5):326–30

Psychotherapeutic effects by audiovisual heteroconfrontation in a case of anorexia nervosa. Badura HO, et al. **Psychother Psychosom** 1984;41(1):1–6

The effect of the Swedish Back School in chronic idiopathic low back pain. A prospective controlled study. Lankhorst GJ, et al. **Scand J Rehabil Med** 1983;15(3):141–5

Diarrhoea in children: a teaching aid. Samuel-Gibbon AG. **Trop Doct** 1983 Oct;13(4):178–80

[A new type of remote-controlled microscope observation unit wired for sound for public demonstrations] Buisson I, et al. **Mikroskopie** 1983 Nov;40(9–10):285–90 (Eng. Abstr.) **(Fre)**

[Reactions of medical students to the demonstration of forensico-pathologic findings by slide presentation] Dittmann V, et al. **Beitr Gerichtl Med** 1984;42:207–10 (Eng. Abstr.) **(Ger)**

[Effectiveness of various audiovisual technics to improve oral hygiene behavior] Franz-Ritscherle A, et al.
Dtsch Zahnarztl Z 1983 Sep;38(9):811–5 (Eng. Abstr.) **(Ger)**

[Audiovisual procedures in child and adolescent psychiatry: diagnostic and therapeutic possibilities] Lehmkuhl G, et al. **Prax Kinderpsychol Kinderpsychiatr** 1983 Nov–Dec; 32(8):293–8 (Eng. Abstr.) **(Ger)**

[Acupuncture and....information] Milani L. **Minerva Med** 1983 Nov 3;74(42):2557–8 **(Ita)**

[Education of heart patients. An audiovisual educational program for patients with myocardial infarction and angina pectoris] Maeland JG, et al. **Tidsskr Nor Laegeforen** 1984 Mar 30;104(9):677–80 (Eng. Abstr.) **(Nor)**

[Small-scale projection attachment for microscopes] Aganezov SA, et al. **Arkh Anat Gistol Embriol** 1984 Apr; 86(4):84–5 **(Rus)**

[Electrified display stand for dental conduction anesthesia] Skripnikov NS, et al. **Stomatologiia (Mosk)** 1983 Sep–Oct; 62(5):79–81 **(Rus)**

ECONOMICS

State-wide cost recovery for health science audiovisual loan service in Connecticut. Brantz MH.
Bull Med Libr Assoc 1984 Jul;72(3):266–9

Producing for commercial distribution. Marlin J, et al.
J Biocommun 1983 Sep;10(3):2–3

STANDARDS

Survey of audiovisual standards and practices in health sciences libraries. McCarthy J. **Bull Med Libr Assoc** 1983 Oct;71(4):391–5

An evaluation of night vision mobility aids. Morrissette DL, et al. **Ophthalmology (Rochester)** 1983 Oct;90(10):1226–30

[Evaluation of visual intensity while working with a graph-projector and measures to increase student work capacity] Silich NM, et al. **Gig Sanit** 1984 Mar;(3):41–4 (Eng. Abstr.) **(Rus)**

UTILIZATION

Attitudes of, and use of audiovisual resources by, Virginia dietitians. Pearson JM. **J Am Diet Assoc** 1984 Apr; 84(4):452–3

A survey of hospital audiovisual services. Carver J.
J Biocommun 1983 Dec;10(4):33–7

AUDITORY CANAL, EXTERNAL see **EAR CANAL**

AUDITORY CORTEX

see related
AUDITORY DISEASES, CENTRAL

ANATOMY & HISTOLOGY

Topographic and cytoarchitectonic organization of thalamic neurons related to their targets in low-, middle-, and high-frequency representations in cat auditory cortex. Imig TJ, et al. **J Comp Neurol** 1984 Aug 20;227(4):511–39

Anatomy of layer IV in cat primary auditory cortex (AI). Winer JA. **J Comp Neurol** 1984 Apr 20;224(4):535–67

Projections of the medial geniculate nucleus to layer 1 of the auditory cortex in the cat traced with horseradish peroxidase. Niimi K, et al. **Neurosci Lett** 1984 Mar 23; 45(2):223–8

Neocortical projections to the inferior colliculus in the rat. (An experimental study using anterograde degeneration techniques). Druga R, et al. **Physiol Bohemoslov** 1984; 33(3):251–3

[Connections between area AIV and areas AI, AII and Ep of the auditory cortex in the cat] Rybakov VL.
Arkh Anat Gistol Embriol 1984 Mar;86(3):22–7 (Eng. Abstr.) **(Rus)**

[Neuronal populations in the posterior group of thalamic nuclei projecting into the amygdaloid complex and auditory cortex in the cat] Maĭskiĭ VA, et al.
Neirofiziologiia 1984;16(2):213–24 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Prenatal and perinatal development of radial cell columns in the human auditory cortex. Krmpotić-Nemanić J, et al. **Acta Otolaryngol (Stockh)** 1984 May–Jun;97(5–6):489–95

Morphometry of spine-free nonpyramidal neurons in rabbit auditory cortex. McMullen NT, et al. **J Comp Neurol** 1984 Jan 20;222(3):383–95

The termination of callosal fibres in the auditory cortex of the rat. A combined Golgi—electron microscope and degeneration study. Cipolloni PB, et al. **J Neurocytol** 1983 Oct;12(5):713–26

[Connections of the thalamic and telencephalic centers of the auditory system in turtles] Belekhova MG, et al.
Arkh Anat Gistol Embriol 1983 Nov;85(11):33–42 (Eng. Abstr.) **(Rus)**

[Proposed inhibitory neurons of the auditory cortex in the cat] Ianovskiĭ ESh. **Neirofiziologiia** 1984;16(1):132–5 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

[Effect of nembutal on inhibitory responses of neurons of an isolated strip of cat auditory cortex induced by intracortical stimulation] Taranenko VD. **Neirofiziologiia** 1984;16(2):147–52 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

GABA transaminase and succinic semialdehyde dehydrogenase histochemical activities in the visual and auditory cortexes of the rat: cytophotometric and statistical study. Martínez-Murillo R, et al. **Cell Mol Biol** 1984; 30(3):217–22

[Intrinsic cholinergic components in the cholinergic innervation of the auditory cortex in the cat (zone AI)] Burchinskaia LF, et al. **Neirofiziologiia** 1984;16(1):81–7 (Eng. Abstr.) **(Rus)**

[Cholinergic structures in the auditory area of the cerebral cortex in the cat (zone AI)] Burchinskaia LF, et al.
Neirofiziologiia 1984;16(1):75–81 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Bilateral transitory projection to visual areas from auditory cortex in kittens. Innocenti GM, et al. **Brain Res** 1984 May; 316(1):143–8

INJURIES

Neonatal auditory cortex lesions result in aberrant crossed corticotectal and corticothalamic projections in rats. Land PW, et al. **Brain Res** 1984 Jan;314(1):126–30

METABOLISM

Activity of the auditory system in rats habituated to a test chamber: a 2-deoxyglucose study. Mogensen J, et al.
Acta Neurobiol Exp (Warsz) 1983;43(4–5):283–9

PATHOLOGY

Effect of neonatal and adult-onset hypothyroidism on pyramidal cells of the rat auditory cortex. Ruiz-Marcos A, et al. **Brain Res** 1983 Aug;285(2):205–13

[Case of cortical deafness sparing the music area] Lechevalier B, et al. **Rev Neurol (Paris)** 1984;140(3):190–201 (Eng. Abstr.) **(Fre)**

[Effect of noise-induced stress on the quantitative characteristics of rat brain synapses] Kuvaeva OF, et al.
Biull Eksp Biol Med 1984 Jun;97(6):748–9 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Age-dependent changes of the compound action potential in the guinea pig. Dum N. **Arch Otorhinolaryngol** 1983; 238(2):179–87

Effects of age upon auditory evoked potentials from the inferior colliculus and cortex in the guinea pig. Dum N.
Arch Otorhinolaryngol 1983;238(3):251–61

The resolution of brief interaural time-difference changes: recordings from primary auditory cortical projection field AI of the cat. von Wedel H, et al.
Arch Otorhinolaryngol 1983;238(2):127–34

Physiological plasticity of single neurons in auditory cortex of the cat during acquisition of the pupillary conditioned response: II. Secondary field (AII). Diamond DM, et al.
Behav Neurosci 1984 Apr;98(2):189–210

Physiological plasticity of single neurons in auditory cortex of the cat during acquisition of the pupillary conditioned response: I. Primary field (AI). Weinberger NM, et al.
Behav Neurosci 1984 Apr;98(2):171–88

Recording of auditory evoked potentials in man using chronic subdural electrodes. Lee YS, et al. **Brain** 1984 Mar;107 (

Pt 1):115–31
The effects of stimuli on the activity and functional connectivity of local neuronal groups in the cat auditory cortex. Frostig RD, et al. **Brain Res** 1983 Aug 8; 272(2):211–21
Two columnar systems in the auditory neostriatum of the chick: evidence from 2-deoxyglucose. Scheich H. **Exp Brain Res** 1983;51(2):199–205
Acoustic sensitivity and bimodal properties of cells in the anterior suprasylvian gyrus of the cat. Toldi J, et al. **Exp Brain Res** 1984;55(1):180–3
Frequency and amplitude representations in anterior primary auditory cortex of the mustached bat. Asanuma A, et al. **J Neurophysiol** 1983 Nov;50(5):1182–96
Binaural interactions of single neurons in posterior field of cat auditory cortex. Orman SS, et al. **J Neurophysiol** 1984 May;51(5):1028–39
Responses of single neurons in posterior field of cat auditory cortex to tonal stimulation. Phillips DP, et al. **J Neurophysiol** 1984 Jan;51(1):147–63
Basic functional organization of second auditory cortical field (AII) of the cat. Schreiner CE, et al. **J Neurophysiol** 1984 Jun;51(6):1284–305
Role of higher parts of the auditory system in the location of a moving sound source. Al'tman YaA. **Neurosci Behav Physiol** 1984 May–Jun;14(3):200–5
Evoked potentials in the neocortical projection areas of dogs trained for a short-delay, defensive instrumental conditioned reflex. Dolbakyan EE. **Neurosci Behav Physiol** 1982 Nov–Dec;12(6):451–7
Participation of the auditory cortex and emotiogenic subcortical systems in conditioned reflex formation and realization. Pukhov IA, et al. **Neurosci Behav Physiol** 1983 May–Jun;13(3):178–84
Effects of stimulation of the primary auditory cortex upon colliculogeniculate neurons in the inferior colliculus of the cat. Mitani A, et al. **Neurosci Lett** 1983 Dec 2;42(2):185–9
Temporal lobe lesions and perception of species-specific vocalizations by macaques. Heffner HE, et al. **Science** 1984 Oct 5;226(4670):75–6
[The effect of internal and external factors on the functional maturation of the auditory cortex] Mysliveček J. **Cesk Fyziol** 1984;33(1):1–19 (93 ref.) (Cze)
[Rezponses of auditory cortex neurons to paired stimulation of the direct entrance to the cortex] Ianovskiĭ ESh. **Fiziol Zh** 1983 Nov–Dec;29(6):734–7 (Rus)
[Neuronal interactions in the auditory cortex of the alert cat] Ianovskiĭ ESh, et al. **Neirofiziologiia** 1984;16(2):161–7 (Eng. Abstr.) (Rus)
[Intracellular reactions of neurons of the primary auditory area of the cerebral cortex in the cat to tones of different frequency and electric stimulation of nerve fibers of the spiral ganglion] Serkov FN, et al. **Neirofiziologiia** 1984; 16(1):123–31 (Eng. Abstr.) (Rus)
[Characteristics of post-spike and lateral inhibition in neurons of the primary auditory cortex in the cat] Serkov FN, et al. **Neirofiziologiia** 1984;16(2):194–201 (Eng. Abstr.) (Rus)
[Responses of neurons of the auditory cortex in the cat to exposure to tones of different frequencies and electrical stimulation of the corresponding portions of the cochlea] Serkov FN, et al. **Neirofiziologiia** 1983;15(5):527–34 (Eng. Abstr.) (Rus)
[Inhibitory responses of neurons of an isolated strip of auditory cortex to intracortical stimulation in the cat] Taranenko VD. **Neirofiziologiia** 1984;16(1):42–9 (Eng. Abstr.) (Rus)
[Primary inhibitory responses of neurons of a chronically isolated band of auditory cortex to intracortical stimulation] Taranenko VD, et al. **Neirofiziologiia** 1984;16(2):152–61 (Eng. Abstr.) (Rus)
[Role of auditory regions of the cerebral cortex in localizing stationary sound sources in the dog] Baru AV, et al. **Zh Vyssh Nerv Deiat** 1983 Jul–Aug;33(4):700–7 (Eng. Abstr.) (Rus)
[Reactions of auditory cortex neurons to sounds of different duration in the rabbit during ontogeny] Kliavina MP, et al. **Zh Vyssh Nerv Deiat** 1984 Mar–Apr;34(2):372–4 (Rus)
[Relation between evoked potentials in the auditory cortex of the rabbit and the functional status of the reinforcing systems of the brain] Kliavina MP, et al. **Zh Vyssh Nerv Deiat** 1983 Jul–Aug;33(4):761–3 (Rus)

PHYSIOPATHOLOGY

Pure word deafness after bilateral primary auditory cortex infarcts. Coslett HB, et al. **Neurology (NY)** 1984 Mar; 34(3):347–52

ULTRASTRUCTURE

Ultrastructural organization of AI and AIV projection zones of the cat auditory cortex in the inferior colliculi of the lamina tecti. Granstrem EE. **Neurosci Behav Physiol** 1984 Jul–Aug;14(4):296–302

AUDITORY DISEASES, CENTRAL

DIAGNOSIS

A central auditory evaluation protocol: a guide for training and diagnosis of lesions of the central system. Spitzer JB. **Ear Hear** 1983 Sep–Oct;4(5):221–31
Dichotic alignment, phonetic, and language variables as predictors of SSW performance. Rudmin FW. **J Otolaryngol** 1984 Apr;13(2):87–94
[The dichotic test] Eliot MM. **J Fr Otorhinolaryngol** 1984 Feb;33(2):97–104 (Fre)

AUDITORY EVOKED POTENTIALS see EVOKED POTENTIALS, AUDITORY

AUDITORY FATIGUE

The effects of interruption on squirrel monkey temporary threshold shift to a 96-hour noise exposure. Nielsen DW, et al. **Audiology** 1984;23(3):297–308
Frequency patterns of TTS for different exposure intensities. McFadden D, et al. **J Acoust Soc Am** 1983 Oct; 74(4):1178–84
Effects of auditory fatigue on speech intelligibility and lexical decision in noise. Sorin C, et al. **J Acoust Soc Am** 1983 Aug;74(2):456–66
Temporary threshold shifts after onset and offset of moderately loud low-frequency maskers. Zwicker E, et al. **J Acoust Soc Am** 1984 Feb;75(2):545–9
Threshold of octave masking as a predictor of temporary threshold shift following repeated noise exposure. Chermak GD, et al. **J Speech Hear Disord** 1984 Aug;49(3):303–8
Test-retest reliability of auditory threshold and temporary threshold shift. Chermak GD, et al. **Scand Audiol** 1983; 12(4):237–40
Studies on the temporary effect of noise on the auditory function in man. Fiałkowska MD, et al. **Scand Audiol** 1983; 12(4):295–8
Temporary threshold shift after exposure to predicted and unpredicted noise. Lindgren F, et al. **Scand Audiol** 1983; 12(4):241–4

PHYSIOLOGY

The effects of smoking and environmental temperature on temporary threshold shifts. Dengerink HA, et al. **Audiology** 1984;23(4):401–10
Cochlear damage resulting from exposure to four different octave bands of noise at three ages. Henry KR. **Behav Neurosci** 1984 Feb;98(1):107–17
Long-term adaptation in hearing impaired ears. Abbas PJ. **Hear Res** 1984 Apr;14(1):29–38
Residual effects in monaural temporary threshold shifts to pure tones. Rajan R, et al. **Hear Res** 1983 Nov;12(2):185–97
Recovery of eighth nerve action potential thresholds after exposure to short, intense pure tones: similarities with temporary threshold shift. Yates GK, et al. **Hear Res** 1983 Dec;12(3):305–22
Effects of acoustic trauma on the cochlear potentials. Gans DP. **J Acoust Soc Am** 1983 Dec;74(6):1742–6
Oxygen consumption and noise-induced TTS in humans. Joyce CA, et al. **J Aud Res** 1982 Apr;22(2):83–6
Mechanisms involved in acoustic trauma: cochlear microphonic data. Legouix JP. **Rev Laryngol Otol Rhinol (Bord)** 1984;105(2 Suppl):193–8
[Measurement of the temporary auditory threshold shift (TTS) for evaluation of the degree of noise hazard] Lipowczan A, et al. **Med Pr** 1983;34(5–6):419–25 (Eng. Abstr.) (Pol)

AUDITORY NERVE see ACOUSTIC NERVE

AUDITORY OSSICLES see EAR OSSICLES

AUDITORY PATHWAYS

see related
AUDITORY DISEASES, CENTRAL

ANALYSIS

Visual and auditory pathways contain cholecystokinin: evidence from immunofluorescence and retrograde tracing. Fallon JH, et al. **Neurosci Lett** 1984 Mar 9;45(1):81–7

ANATOMY & HISTOLOGY

Direct projections to the pretectum and the midbrain reticular formation from auditory relay nuclei in the lower brainstem of the cat. Kudo M, et al. **Brain Res** 1983 Dec 12;288(1–2):13–9
The anuran superficial reticular nucleus: evidence of homology with nuclei of the lateral lemniscus. Rose GJ, et al. **Brain Res** 1984 Jun 18;304(1):170–2
The neuronal architecture of the inferior colliculus in the cat: defining the functional anatomy of the auditory midbrain. Morest DK, et al. **J Comp Neurol** 1984 Jan 10; 222(2):209–36
Projections from auditory structures to the superior colliculus in the rat. Druga R, et al. **Neurosci Lett** 1984 Apr 6; 45(3):247–52

GROWTH & DEVELOPMENT

Effects of alcohol on functional development of the auditory pathway in the brainstem of infants and chick embryos. Pettigrew AG, et al. **Ciba Found Symp** 1984;105:26–46
[Physiological and morphological study on development of auditory function in newborn mouse] Onuma PA, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1984 Jan;87(1):53–63 (Eng. Abstr.) (Jpn)

METABOLISM

Functional activation in the auditory system of the rat produced by arousing reticular stimulation: a 2-deoxyglucose study. Gonzalez-Lima F, et al. **Brain Res** 1984 May 14;299(2):201–14
Cochlear and middle ear effects on metabolism in the central auditory pathway during silence: a 2-deoxyglucose study. Woolf NK, et al. **Brain Res** 1983 Sep 5;274(1):119–27
Whole head sectioning in [3H] deoxyglucose mapping of auditory responses in gerbils. Melzer P. **Brain Res Bull** 1984 Mar;12(3):331–4

PATHOLOGY

Deafness in Cockayne's syndrome: morphological, morphometric, and quantitative study of the auditory pathway. Gandolfi A, et al. **Ann Neurol** 1984 Feb; 15(2):135–43
Neonatal auditory cortex lesions result in aberrant crossed corticotectal and corticothalamic projections in rats. Land PW, et al. **Brain Res** 1984 Jan;314(1):126–30

PHYSIOLOGY

Spatial cross-correlation. A proposed mechanism for acoustic pitch perception. Loeb GE, et al. **Biol Cybern** 1983; 47(3):149–63
Central auditory processing. VI. Detecting ear dominance by evoked potentials. Efron R, et al. **Brain Lang** 1983 Sep; 20(1):54–64
Auditory neurons in the rat thalamic reticular nucleus. Shosaku A, et al. **Exp Brain Res** 1983;49(3):432–42
Acoustic sensitivity and bimodal properties of cells in the anterior suprasylvian gyrus of the cat. Toldi J, et al. **Exp Brain Res** 1984;55(1):180–3
Measurement of frequency selectivity of single neurons in the central auditory pathway. Calford MB, et al. **Hear Res** 1983 Sep;11(3):395–401
Psychophysics and neurophysiology of repetition noise processing in a vertebrate auditory system. Fay RR, et al. **Hear Res** 1983 Oct;12(1):31–55
Interhemispheric functional asymmetry of auditory evoked potentials in young children. Zmanovskii YuF, et al. **Hum Physiol** 1983 Jul–Aug;9(4):245–50
Binaural interaction in low-frequency neurons in inferior colliculus of the cat. II. Effects of changing rate and direction of interaural phase. Yin TC, et al. **J Neurophysiol** 1983 Oct;50(4):1000–19
Ascending projections to the medial geniculate body of the cat: evidence for multiple, parallel auditory pathways through thalamus. Calford MB, et al. **J Neurosci** 1983 Nov; 3(11):2365–80
The parcellation of the medial geniculate body of the cat defined by the auditory response properties of single units. Calford MB. **J Neurosci** 1983 Nov;3(11):2350–64
Binaural characteristics of units in the owl's brainstem auditory pathway: precursors of restricted spatial receptive fields. Moiseff A, et al. **J Neurosci** 1983 Dec;3(12):2553–62
Effects of reaction time performance on single-unit activity in the central auditory pathway of the rhesus macaque. Ryan AF, et al. **J Neurosci** 1984 Jan;4(1):298–308
The maturation of the auditory brainstem response compared to peripheral nerve conduction velocity in preterm and full-term infants. Miller G, et al. **Neuropediatrics** 1984 Feb; 15(1):25–7
Is the inferior colliculus an obligatory relay in the cat auditory system? Aitkin LM, et al. **Neurosci Lett** 1984 Feb 24;44(3):259–64
Effects of stimulation rate and attribute cuing on event-related potentials during selective auditory attention. Hansen JC, et al. **Psychophysiology** 1984 Jul;21(4):394–405
Short-term habituation and dishabituation of the mismatch negativity of the ERP. Sams M, et al. **Psychophysiology** 1984 Jul;21(4):434–41

PHYSIOPATHOLOGY

The effect of multiple sclerosis on pure tone thresholds. Cohen M, et al. **Acta Otolaryngol (Stockh)** 1984 Mar–Apr; 97(3–4):291–5
Further observations on the auditory brainstem response in Duane's syndrome. Taylor MJ, et al. **Can J Ophthalmol** 1983 Aug;18(5):238–40
The alteration of the low frequency response of primary auditory afferents by cochlear trauma. Patuzzi R, et al. **Hear Res** 1983 Aug;11(2):125–32
Audiologic findings in presbycusis. Cervellera G, et al. **J Aud Res** 1982 Jul;22(3):161–71

AUDITORY PERCEPTION

Sound localization in subjects with impaired hearing. Spatial-discrimination and interaural-discrimination tests. Häusler R, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1983; 400:1–62
Visual and auditory choice reaction times. Green DM, et al. **Acta Psychol (Amst)** 1984 May;55(3):231–47
Auditory-visual integration by mentally retarded adolescents. Botuck S, et al. **Am J Ment Defic** 1984 Jan; 88(4):446–8
Dichotic listening performance in normal children and adults. Bissell JC, et al. **Am J Occup Ther** 1984 Mar;38(3):176–83

Laterality of auditory hallucinations in psychiatric patients. Gruber LN, et al. **Am J Psychiatry** 1984 Apr;141(4):586–7
Contingent aftereffects in duration judgments. Allan LG. **Ann NY Acad Sci** 1984;423:116–30
Processing of rhythmic sound structures by birds. Hulse SH, et al. **Ann NY Acad Sci** 1984;423:407–19
The prognostic significance of sound recognition in receptive aphasia. Varney NR. **Arch Neurol** 1984 Feb;41(2):181–2
Auditory–visual synesthesia. Report of a case with intact visual pathways. Vike J, et al. **Arch Neurol** 1984 Jun; 41(6):680–1
Effect of peripheral hearing loss on the masking level difference. Jerger J, et al. **Arch Otolaryngol** 1984 May; 110(5):290–6
A comparison of variability among measurements of subjective tinnitus and objective stimuli. Burns EM. **Audiology** 1984;23(4):426–40
Sound localization in large mammals: localization of complex sounds by horses. Heffner HE, et al. **Behav Neurosci** 1984 Jun;98(3):541–55
Auditory discrimination in speech-impaired and normal children as related to age. Morgan RA. **Br J Disord Commun** 1984 Apr;19(1):89–96
Cognitive vulnerability to auditory hallucination. Preferred imagery mode and spatial location of sounds. Heilbrun AB Jr, et al. **Br J Psychiatry** 1983 Sep;143:294–9
Disorders of perceived auditory lateralization after lesions of the right hemisphere. Bisiach E, et al. **Brain** 1984 Mar; 107 (Pt 1):37–52
Delayed auditory tone perception in multiple sclerosis. Quine DB, et al. **Can J Neurol Sci** 1983 Aug;10(3):183–6
Processing and retention of complex auditory stimuli in monkeys (Cebus apella). D'Amato MR, et al. **Can J Psychol** 1984 Jun;38(2):237–55
Developmental changes in auditory temporal perception. Morrongiello BA, et al. **Child Dev** 1984 Apr;55(2):461–71
Auditory processing limitations in low verbal children: evidence from a two–response dichotic listening task. Dermody P, et al. **Ear Hear** 1983 Nov–Dec;4(6):272–7
The effect of noise bandwidth on the auditory arousal response of neonates. Gerber SE, et al. **Ear Hear** 1984 Jul–Aug;5(4):195–8
Relationship between two dichotic listening tests and the Token test for children. Harris VL, et al. **Ear Hear** 1983 Nov–Dec;4(6):278–82
The measurement of performance asymmetries with dichotic stimulus presentation. Hughes LF, et al. **Ear Hear** 1984 May–Jun;5(3):175–7
Dichotic consonant–vowel (CV) perception in normal and learning-impaired children. Roeser RJ, et al. **Ear Hear** 1983 Nov–Dec;4(6):293–9
Binaural fusion, masking level differences, and auditory brain stem responses in children with language-learning disabilities. Roush J, et al. **Ear Hear** 1984 Jan–Feb; 5(1):37–41
Directional hearing in aging rats. Brown CH. **Exp Aging Res** 1984 Spring;10(1):35–8
The effect of age on hemispheric asymmetry in visual and auditory identification. Nebes RD, et al. **Exp Aging Res** 1983 Summer;9(2):87–91
Perception of simulated propeller cavitation. Howard JH Jr. **Hum Factors** 1983 Dec;25(6):643–55
Discrimination of envelope frequency. Buus S. **J Acoust Soc Am** 1983 Dec;74(6):1709–15
The effects of intensity on the detection of interaural differences of time in high-frequency trains of clicks. Dye RH Jr, et al. **J Acoust Soc Am** 1984 May;75(5):1593–8
Frequency discrimination and signal detection in band–reject noise. Emmerich DS, et al. **J Acoust Soc Am** 1983 Dec; 74(6):1702–8
Integration of spectral and temporal cues in discrimination of nonspeech sounds: a psychoacoustic analysis. Espinoza-Varas B. **J Acoust Soc Am** 1983 Dec; 74(6):1687–94
Temporal gap resolution in narrow-band noises with center frequencies from 6000–14000 Hz. Fitzgibbons PJ. **J Acoust Soc Am** 1984 Feb;75(2):566–9
Comparison of auditory filter shapes derived with three different maskers. Glasberg BR, et al. **J Acoust Soc Am** 1984 Feb;75(2):536–44
The functional analysis of auditory discrimination. Harrison JM. **J Acoust Soc Am** 1984 Jun;75(6):1848–54
Localization of sound in rooms. Hartmann WM. **J Acoust Soc Am** 1983 Nov;74(5):1380–91
Growth rate of loudness, annoyance, and noisiness as a function of tone location within the noise spectrum. Hellman RP. **J Acoust Soc Am** 1984 Jan;75(1):209–18
The relationship between the cross-correlation coefficient of two-channel acoustic signals and sound image quality. Kurozumi K, et al. **J Acoust Soc Am** 1983 Dec; 74(6):1726–33
Frequency and intensity difference limens for harmonics within complex tones. Moore BC, et al. **J Acoust Soc Am** 1984 Feb;75(2):550–61
Additivity of forward masking. Neff DL, et al. **J Acoust Soc Am** 1983 Dec;74(6):1695–701
Broadened forward-masked tuning curves from intense masking tones: delay-time and probe-level manipulations. Nelson DA, et al. **J Acoust Soc Am** 1984 May;75(5):1570–7
Relation between cubic-difference-tone generation and suppression. Norton SJ, et al. **J Acoust Soc Am** 1984 Jul; 76(1):44–9
Concurrent minimum audible angle: a re-examination of the concept of auditory spatial acuity. Perrott DR. **J Acoust Soc Am** 1984 Apr;75(4):1201–6
Gap detection as a function of frequency, bandwidth, and level. Shailer MJ, et al. **J Acoust Soc Am** 1983 Aug; 74(2):467–73
Discrimination of relative distance in the auditory modality: the success and failure of the loudness discrimination hypothesis. Strybel TZ, et al. **J Acoust Soc Am** 1984 Jul; 76(1):318–20
Sinusoidal and noise maskers in simultaneous and forward masking. Weber DL, et al. **J Acoust Soc Am** 1984 Mar; 75(3):925–31
Restriction of pursuit eye movement range during a concurrent auditory task. Malmstrom FV, et al. **J Appl Psychol** 1983 Nov;68(4):565–71
Auditory discrimination abilities of emotionally disturbed children in day psychiatric treatment: a replication study. Blager FB, et al. **J Aud Res** 1982 Apr;22(2):77–82
Evidence for auditory localization ability in the turtle. Lenhardt ML. **J Aud Res** 1981 Oct;21(4):255–61
Earedness (ear choice in monaural tasks): its measurement and relationship to other lateral preferences. Noonan M, et al. **J Aud Res** 1981 Oct;21(4):263–77
Dynamic minimum audible angle: binaural spatial acuity with moving sound sources. Perrott DR, et al. **J Aud Res** 1981 Oct;21(4):287–95
A reevaluation of stimulus overselectivity: restricted stimulus control or stimulus control hierarchies. Bickel WK, et al. **J Autism Dev Disord** 1984 Jun;14(2):136–57
Development of species identification in ducklings: XII. Ineffectiveness of auditory self-stimulation in wood ducklings (Aix sponsa). Gottlieb G. **J Comp Psychol** 1984 Jun;98(2):137–41
Localization of tones and noise in the horizontal plane by unrestrained house mice (Mus musculus). Ehret G, et al. **J Exp Biol** 1984 Mar;109:163–74
Relationships between the determinants of performance in serial feature-positive discriminations. Ross RT. **J Exp Psychol [Anim Behav]** 1983 Oct;9(4):349–73
Auditory spatial alternation transforms auditory time. Akerboom S, et al. **J Exp Psychol [Hum Percept]** 1983 Dec;9(6):882–97
Category-boundary effects and speeded sorting with a harmonic musical-interval continuum: evidence for dual processing. Zatorre RJ. **J Exp Psychol [Hum Percept]** 1983 Oct;9(5):739–52
Does early middle ear pathology affect auditory perception skills and learning? Comment on Brandes and Ehinger (1981) [letter] Ayukawa H, et al. **J Speech Hear Disord** 1983 May;48(2):222–4
Auditory processing and language impairment in children: stimulus considerations for intervention. Thal DJ, et al. **J Speech Hear Disord** 1983 Feb;48(1):18–24
Avoidance reactions to tape-recorded pain cry in rats. Simonov PV. **Neurosci Behav Physiol** 1983 Mar–Apr; 13(2):87–9
Perceptual dimensions of infant cry signals: a semantic differential analysis. Brennan M, et al. **Percept Mot Skills** 1983 Oct;57(2):575–81
Alternative to the wavelength interpretation of the auditory kappa effect. Hass EJ, et al. **Percept Mot Skills** 1984 Apr; 58(2):675–8
Listeners' discrimination of real and human-imitated animal sounds. Lass NJ, et al. **Percept Mot Skills** 1984 Apr; 58(2):453–4
Listeners' identification of human-imitated animal sounds. Lass NJ, et al. **Percept Mot Skills** 1983 Dec;57(3 Pt 1):995–8
Modality effect on text processing as a function of ability to comprehend. Sannomiya M. **Percept Mot Skills** 1984 Apr;58(2):379–82
Auditory and visual differences in time perception. Sebel AJ, et al. **Percept Mot Skills** 1983 Aug;57(1):295–300
Perception of moving, sounding objects by four-month-old infants. Spelke ES, et al. **Perception** 1983;12(6):719–32
Locomotion of the blind controlled by natural sound cues. Strelow ER, et al. **Perception** 1982;11(6):635–40
On recency and echoic memory. Gardiner JM. **Philos Trans R Soc Lond [Biol]** 1983 Aug 11; 302(1110):267–82
Click placement and units of perceptual processing. Barry WJ. **Phonetica** 1983;40(3):247–68
Perceptual discrimination and reaction time in hallucinatory schizophrenics. Schneider SJ, et al. **Psychiatry Res** 1983 Jul;9(3):243–53
Overshadowing in a two-way shuttlebox. Cotton MM. **Psychol Rep** 1983 Oct;53(2):367–73
Temporal lobe lesions and perception of species-specific vocalizations by macaques. Heffner HE, et al. **Science** 1984 Oct 5;226(4670):75–6
Early auditory experience aligns the auditory map of space in the optic tectum of the barn owl. Knudsen EI. **Science** 1983 Nov 25;222(4626):939–42
Effects of sleep deprivation on signal detection measures of vigilance: implications for sleep function. Horne JA, et al. **Sleep** 1983;6(4):347–58
Signal detection theory as applied to vigilance performance of sleep-deprived subjects. Naitoh P. **Sleep** 1983; 6(4):359–61
[Reaction of the newborn infant less than 2 hours after birth to the maternal voice] Querleu D, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1984;13(2):125–34 (Eng. Abstr.) **(Fre)**
[40Hz and 60Hz system for the human brain—dominance of right and left cerebral hemispheres in auditory perception] Tsunoda T. **Iyodenshi To Seitai Kogaku** 1983 Oct;21(6):426–32 (15 ref.) **(Jpn)**
[Physiological and morphological study on development of auditory function in newborn mouse] Onuma PA, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1984 Jan;87(1):53–63 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

The influence of attention on the auditory brain stem evoked responses. Preliminary report. Brix R. **Acta Otolaryngol (Stockh)** 1984 Jul–Aug;98(1–2):89–92
Human sensory stimulation and deprivation: positron emission tomographic results and strategies. Mazziotta JC, et al. **Ann Neurol** 1984;15 Suppl:S50–60
Auditory brainstem responses in Friedreich's ataxia [letter] Taylor MJ. **Ann Neurol** 1983 Nov;14(5):596–7
Posterior alpha activity during vertex–CNV formation under different stimulating conditions. A new approach. Denoth F, et al. **Ann NY Acad Sci** 1984;425:177–87
A comparison of early event-related potentials in two target detection tasks. McCallum WC, et al. **Ann NY Acad Sci** 1984;425:242–9
Neural mechanisms for sound localization. Masterton RB, et al. **Annu Rev Physiol** 1984;46:275–87 (96 ref.)
Auditory processing of the acoustic patterns of speech. Miller JD. **Arch Otolaryngol** 1984 Mar;110(3):154–9
The resolution of brief interaural time–difference changes: recordings from primary auditory cortical projection field AI of the cat. von Wedel H, et al. **Arch Otorhinolaryngol** 1983;238(2):127–34
Gender and oral contraceptive effects on temporary auditory effects of noise. Dengerink JE, et al. **Audiology** 1984; 23(4):411–25
Brain stem potentials evoked by binaural click stimuli with differences in interaural time and intensity. Gerull G, et al. **Audiology** 1984;23(3):265–76
Micromechanics of the reptilian ear. Nielsen DW, et al. **Audiology** 1983;22(6):530–44
A simple model of cochlear micromechanics in the mammal and lizard. Turner RG Jr, et al. **Audiology** 1983; 22(6):545–59
Frequency-specific auditory brainstem responses to clicks masked by notched noise. van Zanten GA, et al. **Audiology** 1984;23(3):253–64
Some current concepts of cochlear mechanics. Zwislocki JJ. **Audiology** 1983;22(6):517–29
Increase in jammed word intelligibility due to training of listeners. Nixon CW, et al. **Aviat Space Environ Med** 1982 Mar;53(3):239–44
A model of binocular brightness and binaural loudness perception in humans with general applications to nonlinear summation of sensory inputs. Lehky SR. **Biol Cybern** 1983; 49(2):89–97
Auditory adaptation: notes on power and parabolic curve fitting across intensity and time. I. Balzer G, et al. **Br J Audiol** 1984 Feb;18(1):49–50
Binaural phase differences and binaural auditory adaptation. Bowers J, et al. **Br J Audiol** 1984 Feb;18(1):51–4
Influence of stimulation of auditory and somatosensory systems on the activity of vestibular nuclear neurons in the frog. Bricout-Berthout A, et al. **Brain Behav Evol** 1984; 24(1):21–34
Central auditory processing. V. Ear advantages for acoustic stimuli in baboons. Pohl P. **Brain Lang** 1983 Sep;20(1):44–53
Properties and distribution of auditory neurons in the dorsolateral prefrontal cortex of the alert monkey. Azuma M, et al. **Brain Res** 1984 Apr 30;298(2):343–6
The effects of stimuli on the activity and functional connectivity of local neuronal groups in the cat auditory cortex. Frostig RD, et al. **Brain Res** 1983 Aug 8; 272(2):211–21
The effect of auditory stimulus rate on [14C]2-deoxyglucose uptake in rabbit inferior colliculus. Jones LS, et al. **Brain Res** 1983 Nov 21;279(1–2):85–91
Auditory event-related potentials in the squirrel monkey: parallels to human late wave responses. Neville HJ, et al. **Brain Res** 1984 Apr 23;298(1):107–16
Response of dopaminergic neurons in cat to auditory stimuli presented across the sleep–waking cycle. Steinfels GF, et al. **Brain Res** 1983 Oct 24;277(1):150–4
Whole head sectioning in [3H] deoxyglucose mapping of auditory responses in gerbils. Melzer P. **Brain Res Bull** 1984 Mar;12(3):331–4
Individual recognition of human infants on the basis of cries alone. Green JA, et al. **Dev Psychobiol** 1983 Nov; 16(6):485–93
Ontogenesis of learning: II. Variation in the rat's reflexive and learned responses to acoustic stimulation. Hyson RL, et al. **Dev Psychobiol** 1984 May;17(3):263–83
Autism: processing of novel auditory information assessed by event-related brain potentials. Courchesne E, et al. **Electroencephalogr Clin Neurophysiol** 1984 Jun; 59(3):238–48
Processing of binaural stimuli by cat superior olivary complex neurons. Caird D, et al. **Exp Brain Res** 1983;52(3):385–99
Participation of the hippocampus in the facilitatory effect of an exteroceptive stimulus on milk ejection. Deis RP, et al. **Exp Brain Res** 1984;55(1):177–9
Phase-locked responses of cochlear nucleus units to electrical

stimulation through a cochlear implant. Glass I. **Exp Brain Res** 1984;55(2):386–90
Sensory modality interdependence in the octaval system of an elasmobranch. Plassmann W. **Exp Brain Res** 1983; 50(2–3):283–92
Psychophysics and neurophysiology of repetition noise processing in a vertebrate auditory system. Fay RR, et al. **Hear Res** 1983 Oct;12(1):31–55
The precedence effect. Gaskell H. **Hear Res** 1983 Dec; 12(3):277–303
Noise-induced cochlear damage assessed using electrophysiological and morphological criteria: an examination of the equal energy principle. Goulios H, et al. **Hear Res** 1983 Sep;11(3):327–41
Properties of spatial receptive fields in the central nucleus of the cat inferior colliculus. II. Stimulus intensity effects. Moore DR, et al. **Hear Res** 1984 Feb;13(2):175–88
Properties of spatial receptive fields in the central nucleus of the cat inferior colliculus. I. Responses to tones of low intensity. Moore DR, et al. **Hear Res** 1984 Feb;13(2):159–74
The psychophysical basis of monaural localization. Musicant AD, et al. **Hear Res** 1984 May;14(2):185–90
Mechanical and acoustical influences on spontaneous oto-acoustic emissions. Schloth E, et al. **Hear Res** 1983 Sep;11(3):285–93
Responses from AVCN units in the cat before and after inducement of an acute noise trauma. van Heusden E, et al. **Hear Res** 1983 Sep;11(3):295–326
Directional hearing in the grass frog (Rana temporaria L.): I. Mechanical vibrations of tympanic membrane. Vlaming MS, et al. **Hear Res** 1984 May;14(2):191–201
Late onset of auditory deprivation does not affect brainstem auditory neuron soma size. Webster DB. **Hear Res** 1983 Oct;12(1):145–7
Delayed evoked oto-acoustic emissions and their suppression by Gaussian-shaped pressure impulses. Zwicker E. **Hear Res** 1983 Sep;11(3):359–71
EEG manifestations of functional asymmetry of the human cerebral cortex during perception of words and music. Konovalov VF, et al. **Hum Physiol** 1983 Jul–Aug; 9(4):250–5
Interhemispheric functional asymmetry of auditory evoked potentials in young children. Zmanovskii YuF, et al. **Hum Physiol** 1983 Jul–Aug;9(4):245–50
Broadband masking noise and behavioral pure tone thresholds in cats. Costalupes JA. **J Acoust Soc Am** 1983 Sep;74(3):758–64
Suppression in simultaneous masking. Fastl H, et al. **J Acoust Soc Am** 1983 Sep;74(3):754–7
The effect of random intensity fluctuation on monaural and binaural detection. Hall JW, et al. **J Acoust Soc Am** 1983 Oct;74(4):1200–3
The transmission of signals by auditory-nerve fiber discharge patterns. Johnson DH, et al. **J Acoust Soc Am** 1983 Aug; 74(2):493–501
Effects of perilymph viscosity on low-frequency intracochlear pressures and the cochlear input impedance of the cat. Koshigoe S, et al. **J Acoust Soc Am** 1983 Aug; 74(2):486–92
Intense sounds may alter the mechanical properties of the cochlear partition. McFadden D. **J Acoust Soc Am** 1983 Aug;74(2):447–55
Suggested formulae for calculating auditory-filter bandwidths and excitation patterns. Moore BC, et al. **J Acoust Soc Am** 1983 Sep;74(3):750–3
The influence of pinnae-based spectral cues on sound localization. Musicant AD, et al. **J Acoust Soc Am** 1984 Apr;75(4):1195–200
Development of the place principle. Rubel EW, et al. **J Acoust Soc Am** 1984 Feb;75(2):635
Auditory perceptions induced by low-frequency acoustic and electric stimulation. Edgerton BJ, et al. **J Aud Res** 1982 Jul;22(3):216–24
The effects of short-term auditory masking on fundamental frequency variability. Rastatter M, et al. **J Aud Res** 1983 Jan;23(1):33–42
The relation between vision, head motion and accuracy of free-field auditory localization. Shelton BR, et al. **J Aud Res** 1982 Jan;22(1):1–7
Dichotic listening and tactual mental rotation in females as a function of familial sinistrality and strength of handedness. Bouma A, et al. **J Clin Neuropsychol** 1984 May;6(2):171–88
Intracellular marking of physiologically characterized cells in the ventral cochlear nucleus of the cat. Rouiller EM, et al. **J Comp Neurol** 1984 May 10;225(2):167–86
Quantitative light and scanning electron microscopic study of the developing auditory organs in the bullfrog: implications on their functional characteristics. Shofner WP, et al. **J Comp Neurol** 1984 Mar 20;224(1):141–54
Afferent influences on brainstem auditory nuclei of the chicken: n. laminaris dendritic length following monaural conductive hearing loss. Smith ZD, et al. **J Comp Neurol** 1983 Oct 20;220(2):199–205
Effects of age on auditory awakening thresholds. Zepelin H, et al. **J Gerontol** 1984 May;39(3):294–300
An analysis of the human brain stem auditory evoked response yielding new criteria for defining its abnormality. Thomas JG. **J Neurol Sci** 1984 Feb;63(2):207–28
Responses of neurons in inferior colliculus to variations in sound-source azimuth. Aitkin LM, et al. **J Neurophysiol** 1984 Jul;52(1):1–17
Adaptive changes in firing rates in goldfish auditory fibers as related to changes in mean amplitude of excitatory postsynaptic potentials. Kuno M. **J Neurophysiol** 1983 Sep; 50(3):573–81
Binaural interactions of single neurons in posterior field of cat auditory cortex. Orman SS, et al. **J Neurophysiol** 1984 May;51(5):1028–39
A critical period for the recovery of sound localization accuracy following monaural occlusion in the barn owl. Knudsen EI, et al. **J Neurosci** 1984 Apr;4(4):1012–20
Monaural occlusion alters sound localization during a sensitive period in the barn owl. Knudsen EI, et al. **J Neurosci** 1984 Apr;4(4):1001–11
Binaural characteristics of units in the owl's brainstem auditory pathway: precursors of restricted spatial receptive fields. Moiseff A, et al. **J Neurosci** 1983 Dec;3(12):2553–62
Segregation of stimulus phase and intensity coding in the cochlear nucleus of the barn owl. Sullivan WE, et al. **J Neurosci** 1984 Jul;4(7):1787–99
Time and intensity cues are processed independently in the auditory system of the owl. Takahashi T, et al. **J Neurosci** 1984 Jul;4(7):1781–6
Head and body space to left and right, front and rear—I. Unidirectional competitive auditory stimulation. Pierson JM, et al. **Neuropsychologia** 1983;21(5):463–73
Deficits in auditory-spatial integration of sequentially presented patterns due to cortical lesions. Ruff RM, et al. **Neuropsychologia** 1983;21(5):535–42
Role of higher parts of the auditory system in the location of a moving sound source. Al'tman YaA. **Neurosci Behav Physiol** 1984 May–Jun;14(3):200–5
Role of noradrenaline in the development of conditioned responses to sound in neurons of the sensorimotor cortex of rabbits. Polonskaya EL, et al. **Neurosci Behav Physiol** 1984 Mar–Apr;14(2):127–9
Effect of heteromodal stimulation on visual evoked responses in rabbits. Shostak VI. **Neurosci Behav Physiol** 1983 Mar–Apr;13(2):83–4
Reflection of quantitative parameters of series of unreinforced stimuli of different modalities in cortical evoked potentials. Varga ME, et al. **Neurosci Behav Physiol** 1983 Sep–Oct; 13(5):378–84
Interaction of autorhythmic and reflex mechanisms in the responses of immature cortex of rabbit to rhythmic afferent stimuli. Voino-Yasenetskii AV, et al. **Neurosci Behav Physiol** 1984 Jul–Aug;14(4):342–8
Acousticolateral and visual processing and their interaction in the torus semicircularis of the trout, Salmo gairdneri. Schellart NA. **Neurosci Lett** 1983 Nov 21;42(1):39–44
The current status of auditory brainstem response testing in neonatal populations. Cox LC. **Pediatr Res** 1984 Aug; 18(8):780–3
The effect of head movements on visual and auditory dominance. Easton RD. **Perception** 1983;12(1):63–70
Pure tone habituation gradients based on responsiveness to electrical stimuli. Rudell AP. **Physiol Behav** 1983 Nov; 31(5):663–71
Cerebellum mediates modality-specific modulation of sensory responses of midbrain and forebrain in rat. Crispino L, et al. **Proc Natl Acad Sci USA** 1984 May;81(9):2917–20
The auditory system of anuran amphibians. Wilczynski W, et al. **Prog Neurobiol** 1984;22(1):1–38 (155 ref.)
Effects of stimulation rate and attribute cuing on event-related potentials during selective auditory attention. Hansen JC, et al. **Psychophysiology** 1984 Jul;21(4):394–405
Latency differences between ipsilateral and contralateral auditory brainstem responses [letter] Debruyne F. **Scand Audiol** 1983;12(3):223
Comparison of the efficiency of various criteria for artifact rejection in the recording of auditory brain-stem responses (ABR). Pantev C, et al. **Scand Audiol** 1984;13(2):103–8
Latencies of ABR (waves III and V) to binaural clicks: effects of interaural time and intensity differences. Rosenhamer HJ, et al. **Scand Audiol** 1983;12(3):201–7
Derived acoustically evoked brainstem responses by means of narrow-band and notched-noise masking in normal-hearing subjects. Thümmler I, et al. **Scand Audiol** 1984;13(2):129–37
The goldfish ear codes the axis of acoustic particle motion in three dimensions. Fay RR. **Science** 1984 Aug 31; 225(4665):951–4
Neural mechanisms of sound localization in an echolocating bat. Fuzessery ZM, et al. **Science** 1984 Aug 17; 225(4663):725–8
Detection of intermodal numerical correspondences by human infants. Starkey P, et al. **Science** 1983 Oct 14; 222(4620):179–81
Functional significance of the corpus callosum based on the analysis of rhythmic capabilities in the split-brain patients. Nakamura H, et al. **Tohoku J Exp Med** 1984 Apr; 142(4):363–79
[Acoustic evoked brain stem potentials in neurologic diseases of childhood and adolescence] Müller E, et al. **Psychiatr Neurol Med Psychol Beih** 1983;29:65–73 **(Ger)**
[Electrophysiologic brain stem diagnosis. Acoustic evoked brain stem potentials—pattern recognition and significance for the function of the brain stem] Röder H, et al. **Psychiatr Neurol Med Psychol Beih** 1983;29:49–56 **(Ger)**
[A neuropsychological study on a case with a tumor lesion in the posterior part of the corpus callosum] Okuda J, et al. **No To Shinkei** 1984 Jan;36(1):73–80 (Eng. Abstr.) **(Jpn)**
[Perception of musical stimuli by the dichotic listening test—studies on primary school girls of the chorus group] Tasaki H, et al. **No To Shinkei** 1983 Jun;35(6):611–8 (Eng. Abstr.) **(Jpn)**
[Spatial characteristics of the reaction of the inferior colliculi in the cat to movement of the sound source] Al'tman IaA, et al. **Fiziol Zh SSSR** 1984 Mar;70(3):299–305 (Eng. Abstr.) **(Rus)**
[Effect of interaural differences in acoustic stimulation on the neuronal activity of the red nucleus in the cat] Shinkarenko SA. **Fiziol Zh SSSR** 1984 Mar;70(3):291–8 (Eng. Abstr.) **(Rus)**
[The problem of sensomotor integration and determination of the biological significance of acoustic stimuli] Kulikov GA, et al. **Nerv Sist** 1982;23:13–29 **(Rus)**
[Evoked potentials to sound in the visual cortex in the cat] Babenko VV, et al. **Zh Vyssh Nerv Deiat** 1983 Jul–Aug; 33(4):717–22 (Eng. Abstr.) **(Rus)**
[Role of auditory regions of the cerebral cortex in localizing stationary sound sources in the dog] Baru AV, et al. **Zh Vyssh Nerv Deiat** 1983 Jul–Aug;33(4):700–7 (Eng. Abstr.) **(Rus)**
[Auditory evoked potentials to indifferent and meaningful stimuli in young children] Ibatullina AA. **Zh Vyssh Nerv Deiat** 1983 Jul–Aug;33(4):632–8 (Eng. Abstr.) **(Rus)**
[Relation between the defensive behavior of altricial nestlings and the parameters of an alarm signal. Neuroethologic approach] Khaiutin SB, et al. **Zh Vyssh Nerv Deiat** 1984 Mar–Apr;34(2):251–8 (Eng. Abstr.) **(Rus)**
[Reactions of auditory cortex neurons to sounds of different duration in the rabbit during ontogeny] Kliavina MP, et al. **Zh Vyssh Nerv Deiat** 1984 Mar–Apr;34(2):372–4 **(Rus)**
[Behavioral reactions of cats to simple models of the acoustic signals of kittens] Movchan VN. **Zh Vyssh Nerv Deiat** 1983 Jul–Aug;33(4):752–4 **(Rus)**
[Comparative analysis of the latent periods of adjacent neurons in microareas of the visual cortex] Sil'kis IG, et al. **Zh Vyssh Nerv Deiat** 1983 Sep–Oct;33(5):877–84 (Eng. Abstr.) **(Rus)**

AUDITORY PERCEPTUAL DISORDERS see under **PERCEPTUAL DISORDERS**

AUDITORY PROSTHESIS

Comparative investigations of auditory perception on selected patients stimulated with extra- or endocochlear electrodes. Burian K, et al. **Acta Otolaryngol (Stockh)** 1984 May–Jun;97(5–6):472–4
Intracochlear electrical stimulation of normal and deaf cats investigated using brainstem response audiometry. Black RC, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1983;399:5–17
Chronic electrical stimulation of the auditory nerve in cats. Physiological and histopathological results. Shepherd RK, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1983;399:19–31
Cochlear implants [news] **Am Fam Physician** 1983 Dec; 28(6):237
Sound pickup utilizing an implantable piezoelectric ceramic bimorph element: application to the cochlear implant. Gyo K, et al. **Am J Otol** 1984 Apr;5(4):273–6
Cochlear implant versus vestibular stimulation. Communication. Bleeker JD, et al. **Ann Otol Rhinol Laryngol** 1984 Mar–Apr;93(2 Pt 1):192–3
Comparison of two cochlear implant speech-processing strategies. Clark GM, et al. **Ann Otol Rhinol Laryngol** 1984 Mar–Apr;93(2 Pt 1):127–31
Surgery for an improved multiple-channel cochlear implant. Clark GM, et al. **Ann Otol Rhinol Laryngol** 1984 May–Jun; 93(3 Pt 1):204–7
Experiences with the cochlear implant in preschool children. House WF, et al. **Ann Otol Rhinol Laryngol** 1983 Nov–Dec; 92(6 Pt 1):587–92
The deaf child: habilitation with and without a cochlear implant. Ling D, et al. **Ann Otol Rhinol Laryngol** 1983 Nov–Dec;92(6 Pt 1):593–8
Speech pattern element stimulation in electrical hearing. Fourcin A, et al. **Arch Otolaryngol** 1984 Mar;110(3):145–53
Commentary: strategies for encoding speech by a cochlear prosthesis. An overview. Miller JM, et al. **Arch Otolaryngol** 1984 Mar;110(3):139
Histological considerations in implant patients. Nadol JB Jr. **Arch Otolaryngol** 1984 Mar;110(3):160–3
Operating ranges and intensity psychophysics for cochlear implants. Implications for speech processing strategies. Pfingst BE. **Arch Otolaryngol** 1984 Mar;110(3):140–4 (39 ref.)
Multichannel cochlear implants. Channel interactions and processor design. White MW, et al. **Arch Otolaryngol** 1984 Aug;110(8):493–501
First results of chronic electrical stimulation with a round-window electrode in totally deaf patients. Cazals Y, et al. **Arch Otorhinolaryngol** 1984;239(3):191–6
Pre-operative appraisal of cochlear implant results by means of electrical promontory stimulation: preliminary report. Fritze W, et al. **Arch Otorhinolaryngol** 1984;239(3):263–6
Tone decay in subjects with the single-channel cochlear implant. Brimacombe JA, et al. **Audiology** 1984; 23(3):321–32
Cochlear implant: a treatment for profound neurosensory deafness. Parisier SC, et al. **Bull NY Acad Med** 1983 Nov; 59(9):784–9

Mechanics of the TORP/stapes interface. Colletti V, et al. **Clin Otolaryngol** 1984 Feb;9(1):55–8

Phase-locked responses of cochlear nucleus units to electrical stimulation through a cochlear implant. Glass I. **Exp Brain Res** 1984;55(2):386–90

Unit responses at cochlear nucleus to electrical stimulation through a cochlear prosthesis. Clopton BM, et al. **Hear Res** 1984 Apr;14(1):1–11

Multichannel electrical stimulation of the auditory nerve in man. II. Channel interaction. Shannon RV. **Hear Res** 1983 Oct;12(1):1–16

System optimization for improved accuracy in transcutaneous signal and power transmission. Hochmair ES. **IEEE Trans Biomed Eng** 1984 Feb;31(2):177–86

Speech processing studies using an acoustic model of a multiple-channel cochlear implant. Blamey PJ, et al. **J Acoust Soc Am** 1984 Jul;76(1):104–10

An acoustic model of a multiple-channel cochlear implant. Blamey PJ, et al. **J Acoust Soc Am** 1984 Jul;76(1):97–103

Speech signal presentation to the totally deaf. Walliker JR, et al. **J Biomed Eng** 1983 Oct;5(4):316–20

A multi-channel hearing prosthesis for profound-to-total hearing loss. Clark GM, et al. **J Med Eng Technol** 1984 Jan-Feb;8(1):3–8

Audiologic findings in a child with a single-channel cochlear implant. Popelka GR, et al. **J Speech Hear Disord** 1984 Aug;49(3):254–61

Speech processing for cochlear implant prostheses. Millar JB, et al. **J Speech Hear Res** 1984 Jun;27(2):280–96

Cochlear prosthesis implantation: review of the issues [editorial] Bailey BJ. **JAMA** 1984 Jun 22-29;251(24):3282

Clinical trial of a multiple-channel cochlear prosthesis. An initial study in four patients with profound total hearing loss. Clark GM, et al. **Med J Aust** 1983 Oct 29;2(9):430–3

Improving hearing in deaf persons. Tonkin J. **Med J Aust** 1983 Oct 29;2(9):413–4

Histology of extruded Plasti-Pore ossicular prostheses. Gamoletti R, et al. **Otolaryngol Head Neck Surg** 1984 Jun; 92(3):342–5

Cochlear nucleus implants. Hitselberger WE, et al. **Otolaryngol Head Neck Surg** 1984 Feb;92(1):52–4

Comparison of geometric and 'real' surface areas of cochlear electrodes. Rizer FM, et al. **Otolaryngol Head Neck Surg** 1983 Aug;91(4):417–20

Failures with Plasti-Pore ossicular replacement prostheses. Sanna M, et al. **Otolaryngol Head Neck Surg** 1984 Jun; 92(3):339–41

[Effect of chronic electric stimulation of the auditory nerve on the development of the cochlear nuclei in guinea pigs] Chouard CH, et al. **Ann Otolaryngol Chir Cervicofac** 1983; 100(6):417–22 (Eng. Abstr.) (Fre)

[Communicative competence in the hard of hearing. Outline of a training and testing program for cochlear implant patients and hearing aid patients] Eisenwort B, et al. **Folia Phoniatr (Basel)** 1983;35(6):273–85 (Eng. Abstr.) (Ger)

[Practical pointers on the use of Plastipore middle ear implants (TORP, PORP)] Tolsdorff P. **HNO** 1983 Dec; 31(12):423–8 (Eng. Abstr.) (Ger)

[Current stage of rehabilitation of totally deaf persons using cochlear implantation] Burian K. **Wien Klin Wochenschr** 1983 Oct 14;95(19):667–70 (Eng. Abstr.) (Ger)

[House cochlear implant for the control of tinnitus: preliminary results] Leone CA, et al. **Acta Otorhinolaryngol Ital** 1984 Mar-Apr;4(2):163–70 (Eng. Abstr.) (Ita)

[Speech testing after cochlear implantation] Bogomil'skiĭ MR, et al. **Vestn Otorinolaringol** 1984 Jul-Aug;(4):10–4 (Eng. Abstr.) (Rus)

[Cochlear implantation: clinical observations (II)] Bogomil'skiĭ MR, et al. **Vestn Otorinolaringol** 1983 Nov-Dec;(6):15–7 (Eng. Abstr.) (Rus)

[Characteristics of electroacoustic correction in various forms of experimental disorders of acoustic sensitivity] Tokarev OP, et al. **Vestn Otorinolaringol** 1984 Jan-Feb;(1):14–7 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

Histologic evaluation of temporal bones with cochlear implants. Linthicum FH Jr, et al. **Ann Otol Rhinol Laryngol** 1983 Nov-Dec;92(6 Pt 1):610–3

Cochlear prostheses: stimulation-induced damage. Miller JM, et al. **Ann Otol Rhinol Laryngol** 1983 Nov-Dec;92(6 Pt 1):599–609

Cochlear pathology. Hazards of long-term implants. Sutton D. **Arch Otolaryngol** 1984 Mar;110(3):164–6 (20 ref.)

[Morphological and functional changes following intracochlear implantation in acute experiments] Bogomil'skiĭ MR, et al. **Vestn Otorinolaringol** 1984 May-Jun;(3):22–5 (Eng. Abstr.) (Rus)

METHODS

Ossiculoplasty - experience with a new prosthesis. Pettigrew AM. **Adv Otorhinolaryngol** 1983;31:224–7

REHABILITATION

[The rehabilitation program and the evaluation of the psychoacoustic results of our cochlear implant technic] Banfai P, et al. **Schweiz Rundsch Med Prax** 1983 Dec 20; 72(51-52):1627–32 (Eng. Abstr.) (Ger)

AUDITORY THRESHOLD

The effect of multiple sclerosis on pure tone thresholds. Cohen M, et al. **Acta Otolaryngol (Stockh)** 1984 Mar-Apr; 97(3-4):291–5

The effect of calibration tolerance values on obtained audiometric threshold: a hearing conservation perspective. Woodford CM. **Am Ind Hyg Assoc J** 1984 Feb;45(2):110–6

Operating ranges and intensity psychophysics for cochlear implants. Implications for speech processing strategies. Pfingst BE. **Arch Otolaryngol** 1984 Mar;110(3):140–4 (39 ref.)

Low frequency thresholds assessed with 40 Hz MLR in adults with impaired hearing. Dauman R, et al. **Arch Otorhinolaryngol** 1984;240(1):85–9

Auditory brain-stem response and hearing threshold in cerebellopontine angle tumours. Prosser S, et al. **Arch Otorhinolaryngol** 1984;239(3):183–9

The effect of small changes in frequency on clinically determined estimates of auditory threshold. Woodford CM. **ASHA** 1984 Apr;26(4):25–30

Hearing threshold measurement in Menière's disease. Harris S, et al. **Audiology** 1984;23(1):46–52

On-line computer scoring of the auditory brainstem response for estimation of hearing threshold. Mason SM. **Audiology** 1984;23(3):277–96

The relationship of continuous (C) and interrupted (I) tones at threshold and most comfortable loudness (MCL) in hearing-impaired ears. Dancer J, et al. **Ear Hear** 1984 Mar-Apr;5(2):101–4

Correcting for ear canal collapse during audiometry. Rizzo SR Jr. **Ear Hear** 1983 Sep-Oct;4(5):255–7

Four spondee threshold procedures: a comparison. Wall LG, et al. **Ear Hear** 1984 May-Jun;5(3):171–4

Bone-conduction masking for threshold assessment in auditory brain stem response testing. Webb KC, et al. **Ear Hear** 1983 Sep-Oct;4(5):261–6

Effects of the bandwidth and level of noise and of the duration of the signal on binaural masking-level differences. Henning GB, et al. **Hear Res** 1984 May; 14(2):175–8

Binaural masking-level differences in non-simultaneous masking. Zwicker E, et al. **Hear Res** 1984 Mar;13(3):221–8

Binaural masking-level differences with tones masked by noises of various bandwidths and levels. Zwicker E, et al. **Hear Res** 1984 May;14(2):179–83

Binaural masking-level difference as a function of masker and test-signal duration. Zwicker UT, et al. **Hear Res** 1984 Mar;13(3):215–9

Single and joint actions of noise and sinusoidal whole body vibration on TTS2 values and low frequency upright posture sway in men. Manninen O, et al. **Int Arch Occup Environ Health** 1984;54(1):1–17

Hearing threshold and heart rate in men after repeated exposure to dynamic muscle work, sinusoidal vs stochastic whole body vibration and stable broadband noise. Manninen O. **Int Arch Occup Environ Health** 1984; 54(1):19–32

Elevated bone conduction thresholds associated with middle ear fluid in adults. Milner RM, et al. **Int J Pediatr Otorhinolaryngol** 1983 Nov;6(2):163–9

Reference threshold sound pressure levels for the Welch Allyn AudioScope. Bienvenue GR, et al. **J Acoust Soc Am** 1984 Jun;75(6):1887–92

Frequency effects in backward masking. Dolan TG, et al. **J Acoust Soc Am** 1984 Mar;75(3):932–6

Amplitude modulation thresholds in chinchillas with high-frequency hearing loss. Henderson D, et al. **J Acoust Soc Am** 1984 Apr;75(4):1177–83

Temporal integration of forward masking in listeners having sensorineural hearing loss. Kidd G Jr, et al. **J Acoust Soc Am** 1984 Mar;75(3):937–44

Selective adaptation to linear frequency-modulated sweeps: evidence for direction-specific FM channels? Wakefield GH, et al. **J Acoust Soc Am** 1984 May;75(5):1588–92

Combined effect of two suppressors. Weber DL. **J Acoust Soc Am** 1984 May;75(5):1563–9

Lack of effect of contralateral speech discourse on auditory threshold response behavior. Fulton RT, et al. **J Aud Res** 1982 Apr;22(2):131–42

Electrocochleography in the child--a 300 case study. Ferron P, et al. **J Otolaryngol** 1983 Aug;12(4):235–8

Validity of hearing thresholds obtained from the rising portion of the audiogram in sensorineural hearing loss. Humes LE, et al. **J Speech Hear Res** 1984 Jun;27(2):206–11

Masking-level difference in filtered-random and amplitude-modulated noise. Wilson RH, et al. **J Speech Hear Res** 1984 Jun;27(2):267–74

The auditory threshold of the pigeon (Columba livia) by heart-rate conditioning. Goerdel-Leich A, et al. **Naturwissenschaften** 1984 Feb;71(2):98–9

Test-retest reliability of auditory threshold and temporary threshold shift. Chermak GD, et al. **Scand Audiol** 1983; 12(4):237–40

A probe earmold system for measuring eardrum SPL under hearing-aid conditions. Gilman S, et al. **Scand Audiol** 1984; 13(1):15–22

Hearing thresholds with direct bone conduction versus conventional bone conduction. Håkansson B, et al. **Scand Audiol** 1984;13(1):3–13

Ipsilateral acoustic reflex thresholds in neonates and in normal-hearing and hearing-impaired pre-school children. Kankkunen A, et al. **Scand Audiol** 1984;13(2):139–44

Hearing acuity in a Norwegian standard population. Molvaer OI, et al. **Scand Audiol** 1983;12(4):229–36

Measurement of auditory threshold adaptation by tone decay and Bekesy audiometry. Young IM, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1983 Fall; 36(2):178–81

[High-frequency tonal threshold hearing changes in diabetes mellitus] Golemanov V, et al. **Vutr Boles** 1983;22(4):59–62 (Eng. Abstr.) (Bul)

[Effects of oral contraceptives and of the ovarian cycle on auditory performance at 4 and 6 kHz. Demonstration by functional audiometry] Petiot JC, et al. **C R Soc Biol (Paris)** 1984;178(1):105–17 (Eng. Abstr.) (Fre)

[Relations between pure-tone threshold and discrimination of monosyllables in inner ear high-frequency hearing disorders] Battmer RD, et al. **HNO** 1984 Feb;32(2):69–73 (Eng. Abstr.) (Ger)

[Stapedius reflex. 1. Stapedius reflex threshold and recruitment] Wurzer H. **Laryngol Rhinol Otol (Stuttg)** 1983 Jul;62(7):289–92 (Eng. Abstr.) (Ger)

[Cochlear implantation: clinical observations (II)] Bogomil'skiĭ MR, et al. **Vestn Otorinolaringol** 1983 Nov-Dec;(6):15–7 (Eng. Abstr.) (Rus)

[Improving the precision of results in studying the differences in limen for intensity] Bargár Z, et al. **Cesk Otolaryngol** 1984 Apr;33(2):84–8 (Eng. Abstr.) (Slo)

DRUG EFFECTS

Otoadmittance changes following glycerol dehydration in Meniere's disease. Brookes GB, et al. **Acta Otolaryngol (Stockh)** 1984 Jul-Aug;98(1-2):30–41

Effects of brotizolam, flurazepam and placebo upon nocturnal auditory arousal thresholds. Hartse KM, et al. **Br J Clin Pharmacol** 1983;16 Suppl 2:355S–364S

Hydrocortisone reduces auditory sensitivity at high tonal frequencies in adult males. Beckwith BE, et al. **Pharmacol Biochem Behav** 1983 Sep;19(3):431–3

PHYSIOLOGY

Effect of high perilymphatic potassium on brainstem evoked response audiometric thresholds. Brac MH, et al. **Acta Otolaryngol (Stockh)** 1984 Mar-Apr;97(3-4):267–72

Age-dependent changes of the compound action potential in the guinea pig. Dum N. **Arch Otorhinolaryngol** 1983; 238(2):179–87

Hearing threshold levels according to age. Waudby C. **Br J Audiol** 1984 Feb;18(1):55–7

Comparison between AER and behavioral thresholds in normally and abnormally hearing chinchillas. Davis RI, et al. **Ear Hear** 1984 May-Jun;5(3):153–9

Temporary threshold shift after exposure to noise and music of equal energy. Lindgren F, et al. **Ear Hear** 1983 Jul-Aug; 4(4):197–201

Effect of changes in stimulus intensity and sensory acuity on auditory brainstem response. Coutin Churchman P. **Electromyogr Clin Neurophysiol** 1983 Sep-Oct;23(6):447–56

Use of albino animals for auditory research. Bock GR, et al. **Hear Res** 1984 Feb;13(2):201–2

Correlates of tone-on-tone masked thresholds in the chinchilla auditory nerve. Sinex DG, et al. **Hear Res** 1984 Mar;13(3):285–92

Recovery of eighth nerve action potential thresholds after exposure to short, intense pure tones: similarities with temporary threshold shift. Yates GK, et al. **Hear Res** 1983 Dec;12(3):305–22

Asymmetry of sensitivity of the human auditory system measured by the constant stimulus method. Kamenskaya VG. **Hum Physiol** 1983 Mar-Apr;9(2):77–83

Dichotic listening in the morning and evening. Berger-Gross P, et al. **Int J Neurosci** 1984 Feb;22(3-4):277–82

Broadband masking noise and behavioral pure tone thresholds in cats. Costalupes JA. **J Acoust Soc Am** 1983 Sep;74(3):758–64

Suppression in simultaneous masking. Fastl H, et al. **J Acoust Soc Am** 1983 Sep;74(3):754–7

Fluctuations in susceptibility to noise-induced temporary threshold shift as influenced by the menstrual cycle. Davis MJ, et al. **J Aud Res** 1982 Jul;22(3):173–87

Temporal integration and presbycusis. Wall LG, et al. **J Aud Res** 1982 Jul;22(3):210–5

Sensation seeking, augmenting-reducing, and absolute auditory threshold: a strength-of-the-nervous-system perspective. Goldman D, et al. **J Pers Soc Psychol** 1983 Aug;45(2):405–11

Effects of hearing levels at the activator and other frequencies upon the expected levels of the acoustic reflex threshold. Gelfand SA, et al. **J Speech Hear Disord** 1983 Feb;48(1):11–7

Application of Silman and Gelfand (1981) 90th percentile levels for acoustic reflex thresholds. Olsen WO, et al. **J Speech Hear Disord** 1983 Aug;48(3):330–2

[Stapedial reflex under auditory masking of bone canal: 1- The effect of white noise on threshold values] Cassano P, et al. **Boll Soc Ital Biol Sper** 1983 Nov 30;59(11):1698–703 (Eng. Abstr.) (Ita)

[Mechanism of the effect of infrasound on the body of animals and man (review of the literature)] Alekseev SV, et al. **Gig Tr Prof Zabol** 1983 Sep;(9):35–7 (36 ref.) (Rus)

AUERBACH'S PLEXUS see MYENTERIC PLEXUS

AUJESZKY'S DISEASE see PSEUDORABIES

AUJESZKY'S DISEASE VIRUS see PSEUDORABIES VIRUS

AUREOLIC ACID see MITHRAMYCIN

AURICULAR FIBRILLATION see ATRIAL FIBRILLATION

AURICULAR FLUTTER see ATRIAL FLUTTER

AURICULO-VENTRICULAR DISSOCIATION see HEART BLOCK

AURICULOTEMPORAL SYNDROME see SWEATING, GUSTATORY

AURINTRICARBOXYLIC ACID see under CYCLOHEXANECARBOXYLIC ACIDS

AUROTHIOMALATE see GOLD THIOMALATE

AUROVERTINS see under PYRANS

AUSCULTATION

Asymptomatic cervical bruits. Côté R, et al. **Can Med Assoc J** 1984 Apr 15;130(8):997–1000 (29 ref.)
A clicking hip in a newborn baby should never be ignored [letter] **Lancet** 1984 May 26;1(8387):1184–5
Asymptomatic carotid bruit: a review. Mills JL, et al. **Milit Med** 1984 Feb;149(2):104–6 (19 ref.)
The impact of Duplex scanning on the evaluation of patients with asymptomatic bruits in the region of the carotid arteries. Breslau PJ, et al. **Neth J Surg** 1983 Sep;35(4):134–8
The natural history of carotid arterial disease in asymptomatic patients with cervical bruits. Roederer GO, et al. **Stroke** 1984 Jul–Aug;15(4):605–13
[Is phonoenterography suitable for determining postoperative intestinal motility?] Gräfe G. **Zentralbl Chir** 1984; 109(4):245–53 (Eng. Abstr.) **(Ger)**
[Phenomenon of 'sustained tone' as an index of the physical training status of servicemen] Poruchikov EA. **Voen Med Zh** 1984 Jun;(6):41–3 **(Rus)**
[Symptomatology of the lung] Farga V. **Rev Med Chil** 1983 Oct;111(10):1085–6 **(Spa)**
[Current concepts on pulmonary sounds and murmurs] Rodríguez JC, et al. **Rev Med Chil** 1983 Oct; 111(10):1087–93 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

[The effect of mechanical percussion on lung function in patients with mild cystic fibrosis] Wönne R, et al. **Prax Klin Pneumol** 1984 Mar;38(3):98–101 (Eng. Abstr.) **(Ger)**

HISTORY

The story of the stethoscope. Sakula A. **Trans Med Soc Lond** 1981–82;98:27–31

INSTRUMENTATION

Device for determining location of an endotracheal catheter tip. Kubota Y, et al. **Crit Care Med** 1984 Feb;12(2):125–6
Ultrasound shows carotid stenosis in just half of cervical bruit cases [news] Check WA. **JAMA** 1984 Aug 3;252(5):593–4
Cardiorespiratory monitoring in infancy with an acoustic detector. McLellan NJ, et al. **Lancet** 1983 Dec 17; 2(8364):1397–8
Recorder for assessment of upper airway disorders. Marsh RR, et al. **Otolaryngol Head Neck Surg** 1983 Oct; 91(5):584–5
Non invasive assessment of the internal carotid artery in stroke patients. von Arbin M, et al. **Scand J Clin Lab Invest** 1983 Jun;43(4):275–83
A neat trick [editorial] Abernathy RA. **Va Med** 1983 Sep; 110(9):553
[Ultrasonics and peripheral arterial insufficiency. Measurement of blood-flow velocity with a Doppler ultrasonics] Kristiansen K. **Tidsskr Nor Laegeforen** 1983 Aug 10;103(22):1534–7 (Eng. Abstr.) **(Nor)**
[B. E. Votchal's SFON-01 stethophonendoscope] Golikov VA, et al. **Med Tekh** 1984 May–Jun;(3):51 **(Rus)**

METHODS

Dynamic vascular auscultation. Kurtz KJ. **Am J Med** 1984 Jun;76(6):1066–74
The role of auscultation and registration of bowel sounds in the diagnosis of acute appendicitis. Arnbjörnsson E, et al. **Ann Chir Gynaecol** 1983;72(6):324–8
Phonocephalography: a simple, low-cost non-invasive diagnostic technique. Continued data reporting. Tewfik S. **J Laryngol Otol** 1983 Dec;97(12):1133–8
Phonocephalography: a non-invasive diagnostic technique. Normal vascular sounds. Tewfik S. **J Laryngol Otol** 1983 Dec;97(12):1129–32
[Acoustical analysis of joint-sound through passive motion—with special reference to degenerative osteoarthrosis of the knee joints] Kotani K, et al. **Nippon Seikeigeka Gakkai Zasshi** 1983 Dec;57(12):1869–80 (Eng. Abstr.) **(Jpn)**

AUSTRALIA ANTIGEN see HEPATITIS B SURFACE ANTIGENS

AUSTRALOID RACE

Hyperuricaemia in young New Zealand Maori men. Gibson T, et al. **Adv Exp Med Biol** 1984;165 Pt A:123–8
Forensic aspects of aboriginal skeletal remains in Australia. Pounder DJ. **Am J Forensic Med Pathol** 1984 Mar; 5(1):41–52
RituaL mutilation. Subincision of the penis among Australian Aborigines. Pounder DJ. **Am J Forensic Med Pathol** 1983 Sep;4(3):227–9
Age changes in dental arch dimensions of Australian Aboriginals. Brown T, et al. **Am J Phys Anthropol** 1983 Nov;62(3):291–303
Aboriginal eye problems. Tamblyn DM. **Aust Fam Physician** 1984 Feb;13(2):112–3
Australian Aborigines and psoriasis. Green AC. **Australas J Dermatol** 1984 Apr;25(1):18–24
Marked improvement in carbohydrate and lipid metabolism in diabetic Australian aborigines after temporary reversion to traditional lifestyle. O'Dea K. **Diabetes** 1984 Jun; 33(6):596–603
Comparison of craniofacial growth in an Australian aboriginal and Danes, illustrated by longitudinal cephalometric analyses. Björk A, et al. **Eur J Orthod** 1984 Feb;6(1):1–14
Peripheral white cell counts in Australian aboriginies [letter] Tozer RA, et al. **J Clin Pathol** 1984 Sep;37(9):1077–8
The ethnopharmacology of pituri. Watson PL, et al. **J Ethnopharmacol** 1983 Sep;8(3):303–11
Aboriginal health [letter] **Med J Aust** 1983 Sep 3;2(5):211–4
'Billy Reid's sore skins' [letter] **Med J Aust** 1983 Oct 29; 2(9):421–2
Aboriginal health [letter] Buchanan N. **Med J Aust** 1984 Jul 21;141(2):131
Aboriginal children [letter] Debelle GD, et al. **Med J Aust** 1984 Sep 1;141(5):314–5
Aboriginal children. Grunseit F. **Med J Aust** 1984 Jun 9; 140(12):697–8
Early childhood pneumonia in Aborigines of Bourke, New South Wales. Harris MF, et al. **Med J Aust** 1984 Jun 9; 140(12):705–7
Mortality rates in 14 Queensland Aboriginal reserve communities. Lincoln R, et al. **Med J Aust** 1983 Sep 3; 2(5):208–9
Infectious disease in Aboriginal infants and children in Western Australia. McNeilly J, et al. **Med J Aust** 1983 Nov 26;2(11):547–51
Aboriginal mortality in Queensland. Musgrave IA. **Med J Aust** 1984 Jan 7;140(1):16–9
Aboriginal mortality in Queensland [letter] Najman J. **Med J Aust** 1984 Apr 28;140(9):562
Chronic ear disease in Australian Aborigines. Sunderman J, et al. **Med J Aust** 1984 Jun 9;140(12):708–11
Australian Aboriginal health and health-care. Thomson N. **Soc Sci Med** 1984;18(11):939–48

AUSTRALORBIS see BIOMPHALARIA

AUTACOIDS see SLOW-REACTING SUBSTANCES

AUTHORITARIANISM

[Authority of the psychotherapist in the perspective of systems theory] Kaufmann L. **Schweiz Arch Neurol Neurochir Psychiatr** 1983; 133(1):119–29 (Eng. Abstr.) **(Fre)**
[Care and power] Sapir M. **Schweiz Arch Neurol Neurochir Psychiatr** 1983; 133(1):17–28 **(Fre)**
[Authority and psychotherapy] Schneider PB. **Schweiz Arch Neurol Neurochir Psychiatr** 1983; 133(1):53–62 (Eng. Abstr.) **(Fre)**
['... being a father is difficult!' On the question of authority in the role of the father] Bürgin D. **Schweiz Arch Neurol Neurochir Psychiatr** 1983; 133(1):81–105 (Eng. Abstr.) **(Ger)**
[Relationship between authority and freedom to criticize] Gadamer HG. **Schweiz Arch Neurol Neurochir Psychiatr** 1983;133(1):11–6 **(Ger)**
[Authority between discourse and consultation] Gasser P. **Schweiz Arch Neurol Neurochir Psychiatr** 1983; 133(1):63–70 (Eng. Abstr.) **(Ger)**
[Authority in military milieu, in management and in medical education] Knoepfel HK. **Schweiz Arch Neurol Neurochir Psychiatr** 1983;133(1):71–9 (Eng. Abstr.) **(Ger)**
[Authority in the psychiatric clinic] Laemmel K. **Schweiz Arch Neurol Neurochir Psychiatr** 1983; 133(1):107–18 (Eng. Abstr.) **(Ger)**
[Authority as reflected in psychiatry and psychotherapy.] Trenkel A. **Schweiz Arch Neurol Neurochir Psychiatr** 1983; 133(1):5–9 **(Ger)**
[Authority as reflected in psychiatry and psychotherapy] Trenkel A. **Schweiz Arch Neurol Neurochir Psychiatr** 1983; 133(1):131–4 **(Ger)**

AUTHORSHIP

Integrity versus deception [editorial] Watson WG. **Am J Orthod** 1984 Mar;85(3):267–8
Authorship of articles in the anesthetic literature [letter] Fink BR. **Anesth Analg** 1984 Mar;63(3):374–5
Authorship and other credits. Fotion N, et al. **Ann Intern Med** 1984 Apr;100(4):592–4
Who should be an author [editorial] **Br Med J [Clin Res]** 1983 Nov 26;287(6405):1569–70
For debate . . . Individual contributions to multiauthor papers. Moulopoulos SD, et al. **Br Med J [Clin Res]** 1983 Nov 26;287(6405):1608–10
Authorship and the Darsee case [editorial] Kastor JA. **Int J Cardiol** 1984 Jan;5(1):7–9
Guidelines for publishing papers on cancer clinical trials: responsibilities of editors and authors. Zelen M. **J Clin Oncol** 1983 Feb;1(2):164–9
The Hollywood syndrome (I want to see my name in headlines) [letter] Ferrara JJ. **JAMA** 1984 Aug 10; 252(6):765
Multiple authorship of scientific papers [editorial] Farr AD. **Med Lab Sci** 1984 Jan;41(1):1–2
Responsibilities of authorship: where does the buck stop? [editorial] Relman AS. **N Engl J Med** 1984 Apr 19; 310(16):1048–9
[Counted, weighed...] Dunning AJ. **Ned Tijdschr Geneeskd** 1984 Jul 7;128(27):1288–9 **(Dut)**
[The effect of first authorship on the results of citation counting] Moed HF, et al. **Ned Tijdschr Geneeskd** 1984 Jul 7;128(27):1290–3 **(Dut)**
[First ranking or last is best?] Rigter H. **Ned Tijdschr Geneeskd** 1984 Jul 7;128(27):1286–8 **(Dut)**
[The authorship of medical papers (editorial)] **Harefuah** 1984 Feb 1;106(3):144–5 **(Heb)**

AUTISM

Autism [editorial] Damasio AR. **Arch Neurol** 1984 May; 41(5):481

DIAGNOSIS

Computed tomographic study of children with classic autism. Prior MR, et al. **Arch Neurol** 1984 May;41(5):482–4

ETIOLOGY

Autism: the case for left hemispheric damage. Yates A. **Ariz Med** 1984 Jun;41(6):395–7 (37 ref.)
[Pattern of defect syndrome in various clinical forms of primary schizophrenia] Terminska K. **Wiad Lek** 1983 Oct 1;36(19):1593–6 (Eng. Abstr.) **(Pol)**

FAMILIAL & GENETIC

No marker (X) syndrome in autistic children. Venter PA, et al. **Hum Genet** 1984;67(1):107
Fragile X in a survey of 75 autistic males [letter] Watson MS, et al. **N Engl J Med** 1984 May 31;310(22):1462
[Fragile X chromosome and autistic mental retardation. Apropos of 23 cases] Bénézech M, et al. **Ann Med Psychol (Paris)** 1983 Nov;141(9):1006–11 **(Fre)**
[Autistic manifestations in fragile chromosome X syndrome (letter)] Bénézech M, et al. **Presse Med** 1983 Sep 24; 12(33):2060 **(Fre)**

PHYSIOPATHOLOGY

Autism: processing of novel auditory information assessed by event-related brain potentials. Courchesne E, et al. **Electroencephalogr Clin Neurophysiol** 1984 Jun; 59(3):238–48

PSYCHOLOGY

Language acquisition and communicative behavior in autism: toward an understanding of the 'whole' of it. Prizant BM. **J Speech Hear Disord** 1983 Aug;48(3):296–307
Vestibular stimulation and eye contact in autistic children. Slavik BA, et al. **Neuropediatrics** 1984 Feb;15(1):33–6

REHABILITATION

Possible pubertal effect on therapeutic gains in an autistic girl. Ayres AJ, et al. **Am J Occup Ther** 1983 Aug; 37(8):535–40
The use of augmentative communication systems in schools and units for autistic and aphasic children in the United Kingdom. Kiernan C, et al. **Br J Disord Commun** 1984 Apr;19(1):47–61

AUTISM, INFANTILE

The present status of an early infantile autism first reported in Japan thirty years ago. Wakabayashi S, et al. **Nagoya J Med Sci** 1984 Mar;46(1–4):35–9

BLOOD

Blood serotonin and free tryptophan concentration in autistic children. Hoshino Y, et al. **Neuropsychobiology** 1984; 11(1):22–7
Platelet imipramine binding in autistic subjects. Anderson GM, et al. **Psychiatry Res** 1984 Feb;11(2):133–41
Humoral-endorphin blood levels in autistic, schizophrenic and healthy subjects. Weizman R, et al.

Psychopharmacology (Berlin) 1984;82(4):368–70

CHEMICALLY INDUCED

Parental reproductive problems and gestational hormonal exposure in autistic and schizophrenic children. Funderburk SJ, et al. **J Autism Dev Disord** 1983 Sep; 13(3):325–32

COMPLICATIONS

Identical triplets with infantile autism and the fragile-X syndrome. Gillberg C. **Br J Psychiatry** 1983 Sep;143:256–60

A comparison of autistic syndromes with and without associated neurological problems. Garreau B, et al. **J Autism Dev Disord** 1984 Mar;14(1):105–11

Childhood psychosis and neurofibromatosis—more than a coincidence? Gillberg C, et al. **J Autism Dev Disord** 1984 Mar;14(1):1–8

Infantile autism and affective disorder. Komoto J, et al. **J Autism Dev Disord** 1984 Mar;14(1):81–4

Infantile autism and Duchenne muscular dystrophy. Komoto J, et al. **J Autism Dev Disord** 1984 Jun;14(2):191–5

Autistic behaviors in a boy with Noonan syndrome [letter] Paul R, et al. **J Autism Dev Disord** 1983 Dec;13(4):433–4

Contingent application of a protective device to treat the severe self-biting behavior of a disturbed autistic child. Neufeld A, et al. **J Behav Ther Exp Psychiatry** 1984 Mar; 15(1):79–83

Coincident infantile autism and Tourette syndrome: a case report. Barabas G, et al. **JDBP** 1983 Dec;4(4):280–1

Autism and the fragile X syndrome. Levitas A, et al. **JDBP** 1983 Sep;4(3):151–8

[Differential analysis of 5 early pathologies and the self mutilation ensuing from them] Dumesnil F. **Neuropsychiatr Enfance Adolesc** 1984 Apr;32(4):183–95 (Eng. Abstr.) **(Fre)**

[Reflections on the self-mutilating behavior of children with early infantile psychosis] Ferrari P, et al. **Neuropsychiatr Enfance Adolesc** 1984 Apr;32(4):205–8 (Eng. Abstr.) **(Fre)**

[Modification of the Frostig Development Test of Visual Perception for use with severely handicapped children] Merkens L. **Prax Kinderpsychol Kinderpsychiatr** 1984 May–Jun;33(4):114–22 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

A progressive syndrome of autism, dementia, ataxia, and loss of purposeful hand use in girls: Rett's syndrome: report of 35 cases. Hagberg B, et al. **Ann Neurol** 1983 Oct; 14(4):471–9

Autistic children who become schizophrenic. Petty LK, et al. **Arch Gen Psychiatry** 1984 Feb;41(2):129–35

Understanding autism. Farber JM, et al. **Clin Pediatr (Phila)** 1984 Apr;23(4):199–202

Autistic children growing up: problems during puberty and adolescence. Gillberg C. **Dev Med Child Neurol** 1984 Feb; 26(1):125–9

A comparison of schizophrenic and autistic children. Green WH, et al. **J Am Acad Child Psychiatry** 1984 Jul; 23(4):399–409

High resolution CT scanning in infantile autism: a quantitative approach. Rosenbloom S, et al. **J Am Acad Child Psychiatry** 1984 Jan;23(1):72–7

Lateralized brain dysfunction in autism: evidence from the Halstead–Reitan neuropsychological battery. Dawson G. **J Autism Dev Disord** 1983 Sep;13(3):269–86

The assessment of autistic children: a selective review of available instruments. Parks SL. **J Autism Dev Disord** 1983 Sep;13(3):255–67

Some questions on sex differences [letter] Wing L. **J Autism Dev Disord** 1984 Jun;14(2):211–4

Use of contrastive stress in normal, aphasic, and autistic children. Baltaxe CA. **J Speech Hear Res** 1984 Mar; 27(1):97–105

Analysis of functions of delayed echolalia in autistic children. Prizant BM, et al. **J Speech Hear Res** 1984 Jun;27(2):183–92

Play assessment in the differential diagnosis of autism and other causes of severe language disorder. Doherty MB, et al. **JDBP** 1984 Feb;5(1):26–9

Helping parents understand the diagnosis of autism. Morgan SB. **JDBP** 1984 Apr;5(2):78–85

Epilepsy presenting as infantile autism? Two case studies. Gillberg C, et al. **Neuropediatrics** 1983 Nov;14(4):206–12

The syndrome of autism: establishing the diagnosis and principles of management. Freeman BJ, et al. **Pediatr Ann** 1984 Apr;13(4):284–90, 294–6

A medical model of autism: etiology, pathology and treatment. Ritvo ER, et al. **Pediatr Ann** 1984 Apr; 13(4):298–305

Autistic children's hand preferences: results from an epidemiological study of infantile autism. Gillberg C. **Psychiatry Res** 1983 Sep;10(1):21–30

[Neurophysiological and biochemical criteria in the diagnosis of infantile autism] Polaino Lorente A. **Rev Med Univ Navarra** 1983 Dec;27(4):29–30 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Effects of fenfluramine on 14 outpatients with the syndrome of autism. Ritvo ER, et al. **J Am Acad Child Psychiatry** 1983 Nov;22(6):549–58

Psychopharmacological treatment of children with the syndrome of autism. Campbell M, et al. **Pediatr Ann** 1984 Apr;13(4):309–13, 316

ETIOLOGY

On the relationship between epidemiological and clinical samples [letter] Gillberg C. **J Autism Dev Disord** 1984 Jun; 14(2):214–7

Autism in a child with congenital cytomegalovirus infection. Markowitz PI. **J Autism Dev Disord** 1983 Sep;13(3):249–53

Autism and congenital cytomegalovirus. Stubbs EG, et al. **J Autism Dev Disord** 1984 Jun;14(2):183–9

[The organic nature of infantile autism. II. Data and conclusions of a clinical study of a group of children with the autistic syndrome] Stefan M, et al. **Rev Med Interna [Neurol Psihiatr]** 1983 Jul–Sep;28(3):161–8 **(Rum)**

[The 'organic nature' of infantile autism. I] Stefan M, et al. **Rev Med Interna [Neurol Psihiatr]** 1983 Apr–Jun;28(2):81–9 **(Rum)**

FAMILIAL & GENETIC

Identical triplets with Asperger's syndrome. Burgoine E, et al. **Br J Psychiatry** 1983 Sep;143:261–5

A study of three brothers with infantile autism: a case report with follow-up. Shell J, et al. **J Am Acad Child Psychiatry** 1984 Jul;23(4):498–502

Familial autism and the fragile-X chromosome. August GJ, et al. **J Autism Dev Disord** 1984 Jun;14(2):197–204

An observational study of stereotypic behavior and proximity related to the occurrence of autistic child–family member interactions. Donnellan AM, et al. **J Autism Dev Disord** 1984 Jun;14(2):205–10

The personality and family-interaction characteristics of parents of autistic children. Koegel RL, et al. **J Consult Clin Psychol** 1983 Oct;51(5):683–92

Intelligence and personality variables of parents of autistic children. Dor-Shav NK, et al. **J Genet Psychol** 1984 Mar; 144(1st Half):39–50

Fragile X syndrome associated with Tourette symptomatology in a male with moderate mental retardation and autism. Kerbeshian J, et al. **JDBP** 1984 Aug;5(4):201–3

[Fragile X and autistic mental retardation] Yvonneau M, et al. **Encephale** 1984;10(2):93–7 (Eng. Abstr.) **(Fre)**

[Genetic aspects of infantile autism] Lefèvre E, et al. **Sem Hop Paris** 1983 Sep 22;59(33):2328–32 (Eng. Abstr.) **(Fre)**

METABOLISM

[Monoamine and monoamine enzyme abnormalities in childhood autism] Garnier C, et al. **Encephale** 1983; 9(3):201–62 (168 ref.) (Eng. Abstr.) **(Fre)**

[Early infantile autism and its biochemistry] Ferrari P, et al. **Sem Hop Paris** 1983 Sep 22;59(33):2333–6 (Eng. Abstr.) **(Fre)**

OCCURRENCE

Is infantile autism a universal phenomenon? An open question. Sanua VD. **Int J Soc Psychiatry** 1984 Autumn; 30(3):163–77

Prevalence of childhood autism in Ireland. McCarthy P, et al. **Ir Med J** 1984 May;77(5):129–30

Monthly variation in births of autistic children in North Carolina. Bartlik BD. **J Am Med Wom Assoc** 1981 Dec; 36(12):363–8

Infantile autism and other childhood psychoses in a Swedish urban region. Epidemiological aspects. Gillberg C. **J Child Psychol Psychiatry** 1984 Jan;25(1):35–43

PHYSIOPATHOLOGY

Electrocortical activity (evoked potentials) and dopamine metabolism (homovanillic acid) in normal and emotionally disturbed children. Garreau B, et al. **Ann NY Acad Sci** 1984;425:353–6

Evoked potentials and P300 during sensory conditioning in autistic children. Martineau J, et al. **Ann NY Acad Sci** 1984; 425:362–9

Reptilian behavioural patterns in childhood autism. Thong YH. **Med Hypotheses** 1984 Apr;13(4):399–405

[Brain stem auditory evoked potentials in the normal and autistic child] Garreau B, et al. **Rev Electroencephalogr Neurophysiol Clin** 1984 Jun; 14(1):25–31 (Eng. Abstr.) **(Fre)**

PSYCHOLOGY

Psychotic behaviour in children and young adults in a mental handicap hostel. Gillberg C. **Acta Psychiatr Scand** 1983 Nov;68(5):351–8

Autistic self-stimulation and intertrial interval duration. Dunlap G, et al. **Am J Ment Defic** 1983 Sep;88(2):194–202

The nature and specificity of the language coding deficit in autistic children. Ramondo N, et al. **Br J Psychol** 1984 Feb;75 (Pt 1):95–103

Structural and functional perspectives on classification and seriation in psychotic and normal children. Breslow L, et al. **Child Dev** 1984 Feb;55(1):226–35

Visual self-recognition in autistic children: developmental relationships. Spiker D, et al. **Child Dev** 1984 Feb; 55(1):214–25

Developmental trends in cognitive skills for children diagnosed as autistic and schizophrenic. Waterhouse L, et al. **Child Dev** 1984 Feb;55(1):236–48

Cookie monster is autistic. Cruz VK, et al. **Child Today** 1984 Mar–Apr;13(2):18–20

Enhancing an autistic girl's cooperation with gynecological examinations. Dahlquist LM, et al. **Clin Pediatr (Phila)** 1984 Apr;23(4):203

Self-mutilative behavior and its treatment in autistic children. Hoshino Y, et al. **Fukushima J Med Sci** 1983 Jul; 29(3–4):133–40

Imitation and social responsiveness in autistic children. Dawson G, et al. **J Abnorm Child Psychol** 1984 Jun; 12(2):209–25

Learning and self-stimulation in mute and echolalic autistic children. Chock PN, et al. **J Autism Dev Disord** 1983 Dec; 13(4):365–81

Why do autistic children talk so literally? [letter] Eshkevari HS. **J Autism Dev Disord** 1983 Sep;13(3):333

Self-recognition deficits in autism: syndrome-specific or general developmental delay? Ferrari M, et al. **J Autism Dev Disord** 1983 Sep;13(3):317–24

Early childhood autism and the question of egocentrism. Hobson RP. **J Autism Dev Disord** 1984 Mar;14(1):85–104

The acquisition of grammatical morphemes in autistic children: a critique and replication of the findings of Bartolucci, Pierce, and Streiner, 1980. Howlin P. **J Autism Dev Disord** 1984 Jun;14(2):127–36

Gaze behavior: a new look at an old problem. Mirenda PL, et al. **J Autism Dev Disord** 1983 Dec;13(4):397–409

Stimulus overselectivity in autistic and mentally retarded children—a research note. Frankel F, et al. **J Child Psychol Psychiatry** 1984 Jan;25(1):147–55

Cognitive deficits in the pathogenesis of autism. Rutter M. **J Child Psychol Psychiatry** 1983 Oct;24(4):513–31

An islet of ability in autistic children: a research note. Shah A, et al. **J Child Psychol Psychiatry** 1983 Oct;24(4):613–20

Developing concepts of childhood autism: the influence of experimental cognitive research. Prior M. **J Consult Clin Psychol** 1984 Feb;52(1):4–16

Speech versus sign comprehension in autistic children: analysis and prediction. Carr EG, et al. **J Exp Child Psychol** 1984 Jun;37(3):587–97

The influence of task variation and maintenance tasks on the learning and affect of autistic children. Dunlap G. **J Exp Child Psychol** 1984 Feb;37(1):41–64

Autistic children in school: the role of the pediatrician. Forness SR, et al. **Pediatr Ann** 1984 Apr;13(4):319–25, 328

Parents vs. autism: our pediatrician, the coach. Pingree CB. **Pediatr Ann** 1984 Apr;13(4):330–1, 334–8

Optimal stimulation: a model of disordered activity and performance in normal and deviant children. Zentall SS, et al. **Psychol Bull** 1983 Nov;94(3):446–71

Infantile autism and childhood schizophrenia: review of the issues from the sociocultural point of view. Sanua VD. **Soc Sci Med** 1983;17(21):1633–51 (207 ref.)

[Symbiotic-psychotic syndrome (M. S. Mahler)] Dellisch H. **Prax Kinderpsychol Kinderpsychiatr** 1983 Nov–Dec; 32(8):305–10 (Eng. Abstr.) **(Ger)**

REHABILITATION

Teaching of labels: an analysis of concrete and pictorial representations. Handleman JS, et al. **Am J Ment Defic** 1984 May;88(6):625–9

Identification of social skill curriculum targets for severely handicapped children in mainstream preschools. Strain PS. **Appl Res Ment Retard** 1983;4(4):369–82

'Addiction' to a strait jacket: a case report of treatment of self-injurious behaviour in an autistic child. Kinnell HG. **J Ment Defic Res** 1984 Mar;28 (Pt 1):77–9

THERAPY

A consideration of the effectiveness of a training camp for autistic children—by means of the new check-list method. Hoshino Y, et al. **Fukushima J Med Sci** 1983 Jul; 29(3–4):125–32

Learning through observation: the effects of peer modeling on acquisition and generalization in autistic children. Charlop MH, et al. **J Abnorm Child Psychol** 1983 Sep; 11(3):355–66

An alternating treatment comparison of oral and total communications training programs with echolalic autistic children. Barrera RD, et al. **J Appl Behav Anal** 1983 Winter; 16(4):379–94

Acquisition of sign language by autistic children. II: Spontaneity and generalization effects. Carr EG, et al. **J Appl Behav Anal** 1983 Fall;16(3):297–314

The training and generalization of social interaction skills with autistic youth. Gaylord-Ross RJ, et al. **J Appl Behav Anal** 1984 Summer;17(2):229–47

A modified incidental-teaching procedure for autistic youth: acquisition and generalization of receptive object labels. McGee GG, et al. **J Appl Behav Anal** 1983 Fall; 16(3):329–38

Acquisition of expressive signing by autistic children: an evaluation of the relative effects of simultaneous communication and sign-alone training. Remington B, et al. **J Appl Behav Anal** 1983 Fall;16(3):315–27

A pragmatic approach to increase expressive language skills in young autistic children. Beisler JM, et al. **J Autism Dev Disord** 1983 Sep;13(3):287–303

A memory pacer for improving stimulus generalization. Browning ER. **J Autism Dev Disord** 1983 Dec;13(4):427–32
Teacher verbalizations and task performance with autistic children. Hughes V, et al. **J Autism Dev Disord** 1983 Sep; 13(3):305–16
The influence of vigorous versus mild exercise on autistic stereotyped behaviors. Kern L, et al. **J Autism Dev Disord** 1984 Mar;14(1):57–67
Parental judgments of behavior therapy efficacy with autistic children: a social validation. Runco MA, et al. **J Autism Dev Disord** 1983 Sep;13(3):237–48
Imitating the autistic child: facilitating communicative gaze behavior. Tiegerman E, et al. **J Autism Dev Disord** 1984 Mar;14(1):27–38
Training an autistic client: the effect of brief restraint on disruptive behavior. Tomporowski PD. **J Behav Ther Exp Psychiatry** 1983 Jun;14(2):169–73
Generality in the verbal tacting of autistic children as a function of 'naturalness' in antecedent control. Woods TS. **J Behav Ther Exp Psychiatry** 1984 Mar;15(1):27–32
Short-term treatment outcome using parents as co-therapists for their own autistic children. Short AB. **J Child Psychol Psychiatry** 1984 Jul;25(3):443–58
Restricted environmental stimulation therapy (REST) as a treatment for autistic children. Suedfeld P, et al. **JDBP** 1983 Sep;4(3):196–201
Programmed generalization of dress efficiency across settings for a severely disturbed, autistic child. Fantuzzo JW, et al. **Psychol Rep** 1983 Dec;53(3 Pt 1):871–9
Early intervention with autistic children: a case presentation with pre-program, program and follow-up data. Groden G, et al. **Psychol Rep** 1983 Dec;53(3 Pt 1):715–22
[Place of psychoanalysis in a day hospital for psychotic little children] Klein F, et al. **Sem Hop Paris** 1983 Dec 15; 59(47):3315–26 (Eng. Abstr.) **(Fre)**
[Medical and educational care after admission to the elementary school for the autistic children] Oshima M. **Seishin Shinkeigaku Zasshi** 1984;86(1):53–66 **(Jpn)**

AUTOANALYSIS

Two liquid and lyophilized control materials compared [letter] George H, et al. **Clin Chem** 1983 Nov; 29(11):1999–2000
Enzymic method for acetaminophen adapted to a centrifugal analyzer [letter] Hallworth MJ. **Clin Chem** 1983 Dec; 29(12):2123–4
Determination of serum and urine magnesium with a centrifugal analyzer [letter] Kisner HJ, et al. **Clin Chem** 1983 Dec;29(12):2120–1
Kinetic glucose dehydrogenase method for glucose measurement with a discrete kinetic analyzer overcomes interference by ascorbate [letter] Maguire GA, et al. **Clin Chem** 1984 Jan;30(1):157–8
Paracetamol and blood-glucose analysis with the YSI Analyzer [letter] Townsend JC. **Clin Chem** 1983 Dec; 29(12):2119
Discrepancies in measurement of aspartate aminotransferase by continuous-flow analysis. West P. **Clin Chem** 1983 Dec; 29(12):2086–8
[Automated cytochemistry in chronic lymphatic leukemia: new cytoprognostic correlates (letter)] Milanesi B, et al. **Haematologica (Pavia)** 1984 Jan–Feb;69(1):112–4 **(Ita)**

INSTRUMENTATION

Evaluation of an automated immunochemistry analyzer, the Auto ICS. Smith MC. **Am J Med Technol** 1983 Dec; 49(12):885–92
An automated micropipet especially designed for use with the oil-well technique. Fink H, et al. **Anal Biochem** 1983 Aug;133(1):220–5
How to increase SMAC I productivity by at least 15% [letter] Andersen I. **Clin Chem** 1984 Mar;30(3):498
A versatile recycling system for the COBAS-BIO cuvette rotor [letter] Batjer JD, et al. **Clin Chem** 1984 Jul;30(7):1261
An evaluation of the Technicon RA-1000 random-access analyzer. Bromberg IL, et al. **Clin Chem** 1984 Feb; 30(2):281–3
Amino acid assay in 'high-performance' analyzers [letter] Cole DE, et al. **Clin Chem** 1984 Feb;30(2):331
Liquid chromatography of glycated hemoglobins with the Daiichi HA-8110 automated analyzer [letter] Diamandis EP, et al. **Clin Chem** 1984 Mar;30(3):503–4
Measurement of erythrocyte ATP, DPG, glucose, and lactate with a Cobas-Bio centrifugal analyzer [letter] Godwin IR, et al. **Clin Chem** 1983 Oct;29(10):1855
Dual-channel continuous-flow system for determination of phenylalanine and galactose: application to newborn screening. Hoffman GL, et al. **Clin Chem** 1984 Feb; 30(2):287–90
Effect of analgesic and antirheumatic drugs on SMA II procedures [letter] Jelić-Ivanović Z, et al. **Clin Chem** 1983 Oct;29(10):1859
Determination of inorganic sulfate in plasma with a centrifugal analyzer. Pascoe PJ, et al. **Clin Chem** 1984 Feb; 30(2):275–7
Effect of calibration material lot changes on results for the 'SMAC'. Robertson EA, et al. **Clin Chem** 1984 Aug; 30(8):1402–5
Interference by intravenous fluorescein with drug assays in the Abbott TDx [letter] Schneider MC, et al. **Clin Chem** 1983 Nov;29(11):2001
Chemical and clinical evaluation of the random access analyzer 'RA-1000'. Schwartz MK, et al. **Clin Chem** 1984 Mar;30(3):364–8
Du Pont aca urinary protein method: no blank problems [letter] Shahangian S, et al. **Clin Chem** 1984 Mar;30(3):502
Determination of creatine kinase MB activity with the Du Pont aca: interferences from the sample matrix. Stein W, et al. **Clin Chem** 1984 Feb;30(2):238–42
Interference by cresol in YSI glucose analyser [letter] Dissanayake PB. **Med Lab Sci** 1983 Jul;40(3):302
A new automated technique for platelet aggregation measurement. Nielsen HK, et al. **Scand J Clin Lab Invest** 1984 May;44(3):217–22
Evaluation of radiometer ICA1 as a routine instrument for serum ionized calcium and its application for whole blood capillary samples from newborn infants. Larsson L, et al. **Scand J Clin Lab Invest [Suppl]** 1983;165:21–6
An evaluation of the ICA1 ionized calcium analyzer in a clinical chemistry laboratory. Smith SC, et al. **Scand J Clin Lab Invest [Suppl]** 1983;165:33–7
[Graphic display of patients' and Q.C. data for multi-channel autoanalyzer (SMAC-I) by a personal computer] Uehara K, et al. **Rinsho Byori** 1984 Apr;32(4):429–33 **(Jpn)**
[Determination of creatinine content of the blood and urine using Autoanalyzer DA 240-4] Volkova ZI, et al. **Lab Delo** 1983;(11):35–9 (Eng. Abstr.) **(Rus)**

METHODS

Automatic analysis of chromosomes. The use of reduced numerical patterns for computer karyotyping of chromosomes. Jagielski J, et al. **Acta Med Pol** 1982; 23(3–4):183–91
Adaptation of EMIT reagents to the Cobas Bio centrifugal analyzer. Hamlin CR, et al. **Clin Chem** 1984 Feb;30(2):314–5
Measuring urate in the Technicon SMAC by using unbound uricase and omitting dialysis [letter] O'Leary N, et al. **Clin Chem** 1983 Nov;29(11):1993–4
Comparison of the Du Pont aca and Dow methods for determination of high-density lipoprotein cholesterol. Rehak NN, et al. **Clin Chem** 1984 Jan;30(1):127–9
A simple automated method for determination of citric acid levels in semen. Gavella M. **Int J Androl** 1983 Dec; 6(6):585–91
Determination of alanine, lactate, pyruvate, beta-hydroxybutyrate, and acetoacetate by flow injection analysis (FIA). Weicker H, et al. **Int J Sports Med** 1984 Feb;5(1):47–54
[Present status and current trends in automation of immunoserological tests] Itoh C. **Rinsho Byori** 1983 Aug; 31(8):799–801 **(Jpn)**
[Automated biochemical analysis based on the use of electrosorption systems] Andreev VS. **Med Tekh** 1984 Mar–Apr;(2):12–6 (Eng. Abstr.) **(Rus)**

STANDARDS

Liquid and lyophilized quality-control materials compared for use in continuous-flow analysis. Elin RJ, et al. **Clin Chem** 1984 Jan;30(1):129–31
Long-term retrospective control procedures for monitoring analytical performance of laboratory instruments. Gozzo ML, et al. **Clin Chem** 1984 Jan;30(1):145–9

AUTOANTIBODIES

Lymphokines in autoimmunity: relationship between interleukin-2 and interferon-gamma production in systemic lupus erythematosus. Sibbitt WL Jr, et al. **Clin Immunol Immunopathol** 1984 Aug;32(2):166–73
Specificity of monoclonal antibodies against human thyroglobulin; comparison with autoimmune antibodies. Ruf J, et al. **EMBO J** 1983;2(10):1821–6
Induction of autoimmune damage to spermatogenesis in guinea pigs by passive transfer of anti-F9 mouse teratocarcinoma stem cell serum fraction. Pokorná Z, et al. **Folia Biol (Praha)** 1984;30(1):50–6
Idiotype restriction in human autoantibodies to DNA in systemic lupus erythematosus. Zouali M, et al. **Immunol Lett** 1984;7(4):187–90
Eukaryotic small ribonucleoproteins. Anti-La human autoantibodies react with U1 RNA-protein complexes. Madore SJ, et al. **J Biol Chem** 1984 Feb 10;259(3):1929–33
The structure of mammalian small nuclear ribonucleoproteins. Identification of multiple protein components reactive with anti-(U1)ribonucleoprotein and anti-Sm autoantibodies. Pettersson I, et al. **J Biol Chem** 1984 May 10;259(9):5907–14
The role of antireceptor antibodies in stimulating phosphorylation of the insulin receptor. Zick Y, et al. **J Biol Chem** 1984 Apr 10;259(7):4396–400
Characterization of monoclonal antibodies derived from lymphocytes from Graves' disease patients in a cytochemical bioassay for thyroid stimulators. Ealey PA, et al. **J Clin Endocrinol Metab** 1984 May;58(5):909–14
Anti-DNA autoantibody-producing hybridomas of normal human lymphoid cell origin. Cairns E, et al. **J Clin Invest** 1984 Sep;74(3):880–7
Antinucleolar autoantibodies demonstrated by monolayers of human fibroblasts in sera from patients with systemic lupus erythematosus, progressive systemic sclerosis and chronic active hepatitis. Kenneally D, et al. **J Clin Lab Immunol** 1984 May;14(1):13–6
Sequence similarities among kappa IIIb chains of monoclonal human IgM kappa autoantibodies. Pons-Estel B, et al. **J Exp Med** 1984 Sep 1;160(3):893–904
Increased susceptibility to Leishmania tropica infection in autoimmune MRL/Mpj-Ipr mice. Boyer MH, et al. **J Parasitol** 1984 Feb;70(1):145–6
Association of an RNA polymerase III transcription factor with a ribonucleoprotein complex recognized by autoimmune sera. Gottesfeld JM, et al. **Nucleic Acids Res** 1984 Apr 11;12(7):3185–200
Inhibitor treatment using unactivated prothrombin complex concentrates: the Pennsylvania experience—1978–1982. Eyster ME, et al. **Prog Clin Biol Res** 1984;150:309–22
The management of factor VIII inhibitors in non-hemophilic patients. Green D. **Prog Clin Biol Res** 1984;150:337–52
New alternatives and strategies in the treatment of inhibitors. Hoyer LW. **Prog Clin Biol Res** 1984;150:367–72
Porcine factor VIII: preparation and use in treatment of inhibitor patients. Kernoff PB. **Prog Clin Biol Res** 1984; 150:207–24
Treatment of inhibitor patients with activated prothrombin complex concentrates. Penner JA. **Prog Clin Biol Res** 1984; 150:291–308
Comparison of factor VIII and prothrombin complex concentrates in the treatment of inhibitor patients. Prentice CR. **Prog Clin Biol Res** 1984;150:197–206
[Production of monoclonal autoantibodies inhibiting the secretion of insulin by the islets of Langerhans] Dardenne M, et al. **C R Seances Acad Sci [III]** 1984;298(18):523–6 (Eng. Abstr.) **(Fre)**
[Recent aspects of selected autoantibodies in patients with systemic lupus erythematosus and their clinical relevance. II. Antibodies against histone, Sm, Ro and La] Wollina U. **Allerg Immunol (Leipz)** 1983;29(3):135–44 (64 ref.) (Eng. Abstr.) **(Ger)**
[Recent aspects of selected autoantibodies in patients with systemic lupus erythematosus and their clinical relevance. I. DNA-binding autoantibodies] Wollina U. **Allerg Immunol (Leipz)** 1983;29(3):127–34 (92 ref.) (Eng. Abstr.) **(Ger)**
[Clinical and laboratory study of humoral and cell-mediated autoimmunity in uveitis] Voiculescu C, et al. **Rev Chir [Oftalmol]** 1983 Jul–Sep;27(3):173–9 (Eng. Abstr.) **(Rum)**
[Ultrastructural and biochemical evidence of brain damage by the serum IgG fraction of the blood of schizophrenics] Vilkov GA, et al. **Zh Nevropatol Psikhiatr** 1984; 84(5):767–70 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Selective suppression by auto-anti-idiotypic antibody of B-cell idiotype repertoires generated after stimulation with the same hapten on T-dependent and T-independent carriers. Szewczuk MR. **Cell Immunol** 1983 Dec; 82(2):282–91

ANALYSIS

Preliminary research on relationship between late stage schistosomiasis japonica and liver autoimmunity: measuring anti-LSP level by radioimmunoelectrophoresis. He YW, et al. **Acta Acad Med Wuhan** 1983;3(3):190–2
Ultrastructural localization of in vitro binding sites of circulating anti-basement membrane zone antibodies in bullous pemphigoid. Yamasaki Y, et al. **Acta Derm Venereol (Stockh)** 1983;63(6):501–6
Thyroid autoimmunity in hyperprolactinaemic disorders. Ferrari C, et al. **Acta Endocrinol (Copenh)** 1983 Sep; 104(1):35–41
Simple and sensitive method for estimation of antithyroid plasma membrane antibodies in the serum of patients with autoimmune thyroid diseases; comparison with other assays. Gardas A, et al. **Acta Endocrinol (Copenh)** 1984 Apr; 105(4):492–9
The presence of autoantibodies directed to thyroid plasma membrane antigens in sera of patients with thyroid disorders, estimated by the reaction with labelled protein A. Gardas A, et al. **Acta Endocrinol (Copenh)** 1984 Apr; 105(4):500–4
Characteristics of auto-antibodies to bovine TSH in the serum of two patients with Graves' disease. Kajita Y, et al. **Acta Endocrinol (Copenh)** 1983 Dec;104(4):423–30
Thyroid antibodies in Graves' disease. An immunofluorescence study. Szabó J, et al. **Acta Med Hung** 1983;40(2–3):91–7
Thyroid blocking antibodies in thyroiditis. Karlsson FA, et al. **Acta Med Scand** 1984;215(5):461–6
Immunology and vascular events in mild hypertension. Kristensen BO. **Acta Med Scand [Suppl]** 1983;686:59–65
Membranous glomerulopathy and chronic small-intestinal enteropathy associated with autoantibodies directed against renal tubular basement membrane and the cytoplasm of intestinal epithelial cells. Martini A, et al. **Acta Paediatr Scand** 1983 Nov;72(6):931–4
Paroxysmal cold haemoglobinuria. The most frequent acute autoimmune haemolytic anaemia in children? Nordhagen R, et al. **Acta Paediatr Scand** 1984 Mar;73(2):258–62
Demonstration of autoantibodies against ACTH in serum from a patient with cancer of unknown origin. Hansen BL, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1983 Nov; 91(6):489–91
Autoimmunity in Parkinson's disease. Pouplard A, et al.

Adv Neurol 1984;40:307–13

Antibodies to cytokeratin filaments in patients with alcoholic liver disease. Kurki P, et al. **Alcoholism (NY)** 1984 Mar–Apr;8(2):212–5

Chronic liver disease and autoantibodies to the Tamm–Horsfall protein. Fasth A, et al. **Allerg Immunol (Leipz)** 1983;29(3):149–53

Serum thyroglobulin and thyroglobulin autoantibodies in thyroid diseases. Pathogenic and diagnostic aspects. Feldt-Rasmussen U. **Allergy** 1983 Aug;38(6):369–87 (130 ref.)

Circulating immune complexes in Hashimoto's thyroiditis. Correlation to HLA and autoantibodies. Kappelgaard E, et al. **Allergy** 1983 Aug;38(6):433–9

Pemphigus and pemphigoid antibody production by pokeweed mitogen–stimulated peripheral blood mononuclear cell cultures in vitro. Fitzmaurice M, et al. **Am J Clin Pathol** 1984 May;81(5):586–90

Studies on a radioassay for intrinsic factor antibody: comparison of methods and false positive results due to elevated serum B12 levels. Muckerheide MM, et al. **Am J Clin Pathol** 1984 Sep;82(3):300–4

Precipitating antimitochondrial antibodies in Japanese patients with primary biliary cirrhosis. Miyachi K, et al. **Am J Gastroenterol** 1984 Sep;79(9):704–9

Antineutrophil antibodies in infectious mononucleosis. Schooley RT, et al. **Am J Med** 1984 Jan;76(1):85–90

Serum autoantibodies in patients with sickle cell anemia. Quismorio FP Jr, et al. **Am J Med Sci** 1984 Jan–Feb; 287(1):13–5

Laboratory diagnosis of systemic rheumatic disease. Maehara KT. **Am J Med Technol** 1983 Jul;49(7):477–81

Connective tissue disease antibodies and pregnancy. Scott JS. **Am J Reprod Immunol** 1984 Jul–Aug;6(1):19–24

Application of the enzyme–linked immunosorbent assay to detect canine erythrocyte antibodies. Campbell KL, et al. **Am J Vet Res** 1984 Apr;45(4):747–50

Survey of thyroglobulin autoantibodies in dogs. Haines DM, et al. **Am J Vet Res** 1984 Aug;45(8):1493–7

Detection of canine antisperm antibodies by indirect immunofluorescence and gelatin agglutination. Rosenthal RC, et al. **Am J Vet Res** 1984 Feb;45(2):370–4

Serum agglutinating and immobilising sperm antibodies in men attending a sexually transmitted diseases clinic. Hargreave TB, et al. **Andrologia** 1984 Mar–Apr;16(2):111–5

Idiotypic/antiidiotypic interactions in systemic lupus erythematosus: demonstration of oscillating levels of anti–DNA autoantibodies and reciprocal antiidiotypic activity in a single patient. Zouali M, et al. **Ann Immunol (Paris)** 1983 May–Jun;134C(3):377–91

Autoantibodies to platelet glycoprotein IIb/IIIa and to the acetylcholine receptor in a patient with chronic idiopathic thrombocytopenic purpura and myasthenia gravis. Anderson MJ, et al. **Ann Intern Med** 1984 Jun; 100(6):829–31

Crystallocryoglobulinemia resulting from human monoclonal antibodies to albumin. Mills LE, et al. **Ann Intern Med** 1983 Nov;99(5):601–4

Augmented anti–acetylcholine receptor response following long–term penicillamine administration. Bever CT Jr, et al. **Ann Neurol** 1984 Jul;16(1):9–13

Immunofluorescence studies in psoriasis: detection of antibodies to stratum corneum in psoriatic scales. Kumar V, et al. **Ann NY Acad Sci** 1983;420:361–8

Autoantibodies in the sicca syndrome (primary Sjögren's syndrome). Elkon KB, et al. **Ann Rheum Dis** 1984 Apr; 43(2):243–5

Antibodies to cellular antigens in Greek patients with autoimmune rheumatic diseases: anti–Ro(SSA) antibody a possible marker of penicillamine–D intolerance. Moutsopoulos HM, et al. **Ann Rheum Dis** 1984 Apr; 43(2):285–7

Polymyalgia rheumatica and antimitochondrial antibodies. Sattar MA, et al. **Ann Rheum Dis** 1984 Apr;43(2):264–6

Gluten–free diet in patients with dermatitis herpetiformis. Effect on the occurrence of antibodies to reticulin and gluten. Ljunghall K, et al. **Arch Dermatol** 1983 Dec; 119(12):970–4

Multiple autoimmune endocrinopathy including pituitary adrenocorticotropic hormone cells? [letter] Saleh A. **Arch Intern Med** 1984 Jul;144(7):1505

Response to paper by Williamson et al: The purification of IgG autoantibodies [letter] Grant KD. **Arthritis Rheum** 1984 Feb;27(2):238–9

Multiple serologic reactions and their relationship to clinical activity in systemic lupus erythematosus. Isenberg DA, et al. **Arthritis Rheum** 1984 Feb;27(2):132–8

Serum transfer of collagen–induced arthritis. II. Identification and localization of autoantibody to type II collagen in donor and recipient rats. Stuart JM, et al. **Arthritis Rheum** 1983 Oct;26(10):1237–44

Modified method for testing human natural thymocytotoxic antibody [letter] Takiuchi Y, et al. **Arthritis Rheum** 1984 May;27(5):599

Autoantibodies in the investigation of connective tissue diseases. Webb J. **Aust Fam Physician** 1984 Mar; 13(3):185–91

Antibody–nucleic acid complexes. Conformational and base specificities associated with spontaneously occurring poly– and monoclonal anti–DNA antibodies from autoimmune mice. Munns TW, et al. **Biochemistry** 1984 Jun 19; 23(13):2964–70

Isolated rat hepatocytes as a tool for the determination of antibodies against human liver cell membrane. Autuori F, et al. **Biomed Pharmacother** 1983;37(9–10):458–61

Quinidine–induced thrombocytopenia and leukopenia: demonstration and characterization of distinct antiplatelet and antileukocyte antibodies. Chong BH, et al. **Blood** 1983 Dec;62(6):1218–23

ELISA determination of IgM anti–LPS in the early phase of typhoid fever. Nardiello S, et al. **Boll Ist Sieroter Milan** 1983 Sep 30;62(4):372–5

Detection of anti–intercellular cement substance and anti–basement membrane zone antibodies by radioimmunoassay using SCaBER tumour cell line as substrate. Bevan HJ, et al. **Br J Dermatol** 1983 Sep; 109(3):261–5

A routine immuno–electron microscopic technique for localizing an auto–antibody on epidermal basement membrane. Prost C, et al. **Br J Dermatol** 1984 Jan; 110(1):1–7

Autoantibodies in alopecia areata [letter] Zauli D, et al. **Br J Dermatol** 1984 Aug;111(2):247

Interference of IgG, IgG aggregates and immune complexes in tests for platelet autoantibodies. Helmerhorst FM, et al. **Br J Haematol** 1983 Nov;55(3):533–45

Anti–Jo–1 antibody: a marker for myositis with interstitial lung disease. Bernstein RM, et al. **Br Med J [Clin Res]** 1984 Jul 21;289(6438):151–2

Autoantibodies in lupus and its variants: experience in 1000 patients. Hughes GR. **Br Med J [Clin Res]** 1984 Aug 11; 289(6441):339–42

Autoantibodies against human insulin [letter] Reeves WG. **Br Med J [Clin Res]** 1984 Mar 24;288(6421):936–7

Autoantibodies against human insulin. Wilkin TJ, et al. **Br Med J [Clin Res]** 1984 Feb 4;288(6414):349–52

The changes of serum titers of thyroid antibodies in patients of Graves' disease with hyperthyroidism after treatments with antithyroid drugs. Huang CS, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1983 Nov;16(4):277–82

Relationship of circulating thyroid antibodies to coronary artery disease. Piziak VK, et al. **Clin Cardiol** 1984 Feb; 7(2):86–9

Receptors, antibodies, and disease. Blecher M. **Clin Chem** 1984 Jul;30(7):1137–56 (204 ref.)

Enzyme–linked immunosorbent microassay and hemagglutination compared for detection of thyroglobulin and thyroid microsomal autoantibodies. Roman SH, et al. **Clin Chem** 1984 Feb;30(2):246–51

Enzyme–linked immunoassay of monoclonal and serum microsomal autoantibodies. Weetman AP, et al. **Clin Chim Acta** 1984 Apr 27;138(3):237–44

TSH receptor binding and thyroid stimulation by sera from patients with Graves' disease. Ginsberg J, et al. **Clin Endocrinol (Oxf)** 1983 Sep;19(3):305–11

Transplacental transmission of antibodies to tubular basement membrane in guinea–pigs with autoimmune tubulointerstitial nephritis. Albini B, et al. **Clin Exp Immunol** 1984 Apr;56(1):153–8

Diversity of autoantibodies in primary biliary cirrhosis and chronic active hepatitis. Bernstein RM, et al. **Clin Exp Immunol** 1984 Mar;55(3):553–60

Studies on the specificity of anti–erythrocyte antibodies in the serum of patients with malaria. Berzins K, et al. **Clin Exp Immunol** 1983 Nov;54(2):313–8

Microsomal autoantibodies in chronic infection with the HBsAg associated delta (delta) agent. Crivelli O, et al. **Clin Exp Immunol** 1983 Oct;54(1):232–8

Immunological characterization of renal glycosuria patients. De Paoli P, et al. **Clin Exp Immunol** 1984 May;56(2):289–94

Association of anti–heart antibodies and circulating immune complexes in the post–pericardiotomy syndrome. De Scheerder I, et al. **Clin Exp Immunol** 1984 Aug;57(2):423–8

Anti–lymphocyte antibodies in lethal mouse malaria. II. Induction of an autoantibody specific suppressor T cell by non–lethal P. yoelii. de Souza JB, et al. **Clin Exp Immunol** 1983 Oct;54(1):110–6

Antibodies to liver membrane antigens in chronic active hepatitis (CAH). II. Specificity for autoimmune CAH. Frazer IH, et al. **Clin Exp Immunol** 1983 Oct;54(1):213–8

Polyclonal B cell activation, circulating immune complexes and autoimmunity in human american visceral leishmaniasis. Galvão–Castro B, et al. **Clin Exp Immunol** 1984 Apr;56(1):58–66

A new anti–liver–kidney microsome antibody (anti–LKM2) in tienilic acid–induced hepatitis. Homberg JC, et al. **Clin Exp Immunol** 1984 Mar;55(3):561–70

Detection of liver–kidney microsomal autoantibodies by radioimmunoassay and their relation to anti–mitochondrial antibodies in inflammatory liver diseases. Manns M, et al. **Clin Exp Immunol** 1984 Sep;57(3):600–8

Antibody to intermediate filaments of the cytoskeleton in the sera of patients with acute malaria. Mortazavi–Milani SM, et al. **Clin Exp Immunol** 1984 Jan;55(1):177–82

The distribution of microsomal and thyroglobulin antibody activity among the IgG subclasses. Parkes AB, et al. **Clin Exp Immunol** 1984 Jul;57(1):239–43

Autoantibodies in falciparum malaria: a sequential study in 183 Thai patients. Phanuphak P, et al. **Clin Exp Immunol** 1983 Sep;53(3):627–33

The mitochondrial adenine nucleotide translocator is an antigen in primary biliary cirrhosis. Schultheiss HP, et al. **Clin Exp Immunol** 1983 Dec;54(3):648–54

Autoantibodies in three populations of Burkitt's lymphoma patients. Vainio E, et al. **Clin Exp Immunol** 1983 Nov; 54(2):387–96

Injection of mouse thyroglobulin and/or adult thymectomy do not break tolerance to thyroglobulin during the lupus like graft versus host disease in mice. van Rappard–van der Veen FM, et al. **Clin Exp Immunol** 1984 Mar; 55(3):525–34

Characterization of polyclonal autoantibodies specific for beta 2–microglobulin in multiple myeloma sera. Vincent C, et al. **Clin Exp Immunol** 1983 Dec;54(3):689–96

Autoantibodies against Leydig cells in patients after spermatic cord torsion. Zanchetta R, et al. **Clin Exp Immunol** 1984 Jan;55(1):49–57

Nonthyroid autoantibodies in obese strain (OS) chickens. Aichinger G, et al. **Clin Immunol Immunopathol** 1984 Jul; 32(1):57–69

Radioimmunoassay for immunoglobulin G autoantibody on the surface of mouse erythrocytes. Jones CE, et al. **Clin Immunol Immunopathol** 1983 Nov;29(2):157–66

Immunoglobulin deposits in bladder epithelium and vessels in interstitial cystitis: possible relationship to circulating anti–intermediate filament autoantibodies. Mattila J, et al. **Clin Immunol Immunopathol** 1984 Jul;32(1):81–9

Analysis of false negative results in the immunoassay for anti–acetylcholine receptor antibodies in myasthenia gravis. Mittag TW, et al. **Clin Immunol Immunopathol** 1984 May; 31(2):191–201

Human anticentriole autoantibody in patients with scleroderma and Raynaud's phenomenon. Moroi Y, et al. **Clin Immunol Immunopathol** 1983 Dec;29(3):381–90

Simultaneous anti–glomerular basement membrane and membranous glomerulonephritis: case report and literature review. Pettersson E, et al. **Clin Immunol Immunopathol** 1984 May;31(2):171–80

Recurrence of circulating anti–glomerular basement membrane antibody three years after immunosuppressive treatment and plasma exchange. Hind CR, et al. **Clin Nephrol** 1984 Apr;21(4):244–6

Autoantibodies to zona pellucida. Jones WR. **Clin Reprod Fertil** 1982 Jun;1(2):158–60

Gold–induced thrombocytopenia: detection of anti–platelet antibody. Armstrong RD, et al. **Clin Rheumatol** 1983 Jun; 2(2):183–8

Autoantibodies to zona pellucida in tubectomized women. Mhaskar A, et al. **Contraception** 1984 Jan;29(1):75–82

Autoantibodies to Tamm–Horsfall glycoprotein—an artifact of technique? Avis PJ. **Contrib Nephrol** 1984;39:305–15

Anti–islet immunity and thymic dysfunction in the mutant diabetic C57BL/KsJ db/db mouse. Debray–Sachs M, et al. **Diabetes** 1983 Nov;32(11):1048–54

Comparison of an immunohistochemical and immunofluorescence procedure to detect antibody to pancreatic islet cells. Krell J, et al. **Diabetes** 1984 Aug; 33(8):709–11

Pancreatic alpha cell autoantibodies and glucagon response to arginine. Winter WE, et al. **Diabetes** 1984 May; 33(5):435–7

Immunologic abnormalities and type I diabetes [letter] Khardori R. **Diabetes Care** 1984 May–Jun;7(3):304–5

Clinical and subclinical organ–specific autoimmune manifestations in type 1 (insulin–dependent) diabetic patients and their first–degree relatives. Betterle C, et al. **Diabetologia** 1984 Jun;26(6):431–6

Beta–cell damage in diabetic insulitis: are we approaching a solution? Bottazzo GF. **Diabetologia** 1984 Apr;26(4):241–9

Thyroid autoimmunity in type 2 (non–insulin–dependent) diabetic patients of Caucasoid, black and Mexican origin. Kasim S, et al. **Diabetologia** 1984 Jul;27(1):59–61

Circulating hepatocyte membrane–specific autoantibodies in chronic active hepatitis type B. Relation to virus replication activity and liver cell necrosis. Meliconi R, et al. **Dig Dis Sci** 1984 Jul;29(7):620–4

Characterization by human autoantibody of a nuclear antigen related to the cell cycle. Barque JP, et al. **EMBO J** 1983; 2(5):743–9

The occurrence of defined idiotypes on autoantibodies to mouse thyroglobulin. Male D, et al. **Eur J Immunol** 1983 Nov;13(11):942–7

Sperm antibodies: their role in infertility. Bronson R, et al. **Fertil Steril** 1984 Aug;42(2):171–83 (78 ref.)

Autoimmunity to spermatozoa: effect on sperm penetration of cervical mucus as reflected by postcoital testing. Bronson RA, et al. **Fertil Steril** 1984 Apr;41(4):609–14

Immunologic considerations before and after vasovasostomy. Fuchs EF, et al. **Fertil Steril** 1983 Oct;40(4):497–9

Sperm motility on postcoital testing correlates with male autoimmunity to sperm. Mathur S, et al. **Fertil Steril** 1984 Jan;41(1):81–7

Acquired factor VIII inhibitor in a non–haemophilic patient: successful treatment with plasma exchange associated with factor VIII concentrate and immunosuppressors. Paracchini ML, et al. **Haemostasis** 1984;14(3):249–52

An enzyme–linked immunosorbent assay (ELISA) for detecting antimitochondrial antibody. Kaplan MM, et al. **Hepatology** 1984 Jul–Aug;4(4):727–30

Familial thrombocytopenia associated with platelet autoantibodies and chromosome breakage. Helmerhorst FM, et al. **Hum Genet** 1984;65(3):252–6

Measurement of myelin basic protein and of anti–basic protein antibodies by ELISA utilizing biotinylated antibodies. Spatz L, et al. **Immunol Commun** 1983;

12(1):31–7
Spectrophotometric assay for the detection of antibodies to DNA. Ali A, et al. **Immunol Lett** 1983;7(1):25–7
Detection of anti–RNA antibodies in systemic lupus erythematosus by ELISA using nylon as solid support. Kumar A, et al. **Immunol Lett** 1984;7(5):293–6
Immunohistological studies in endomyocardial fibrosis. Kartha CC, et al. **Indian Heart J** 1984 Mar–Apr;36(2):90–1
Immunological phenomena in tropical endomyocardial fibrosis. Vijayaraghavan G, et al. **Indian Heart J** 1984 Mar–Apr;36(2):87–9
Passive hemagglutination assay for detection & quantitation of autoantibodies reactive with thymus RNA in systemic lupus erythematosus. Kumar A, et al.
Indian J Biochem Biophys 1983 Oct;20(5):304–5
Studies on DNA antibodies in SLE & experimental animals by microhemagglutination. Ali A, et al.
Indian J Med Res 1983 Sep;78:395–402
Anti–heart antibodies in cardiac allograft recipients. Harkis GD, et al. **Int Arch Allergy Appl Immunol** 1984;73(1):18–22
Plasma exchange in patients with Guillain–Barré syndrome: clinical improvement in patients with serum IgG antibodies to peripheral nerve tissue. Nyland H, et al.
Int J Artif Organs 1984 May;7(3):133–6
Beta–blocking autoantibodies in pediatric bronchial asthma. Blecher M, et al. **J Allergy Clin Immunol** 1984 Sep;74(3 Pt 1):246–51
Autoantibodies to beta–adrenergic receptors and asthma [editorial] Fraser CM, et al. **J Allergy Clin Immunol** 1984 Sep;74(3 Pt 1):227–9
Occurrence of glomerulonephritis and autoantibodies in diabetes mellitus. Bhuyan UN, et al.
J Assoc Physicians India 1984 Feb;32(2):171–5
An improved method for anti–glycolipid antibody and glycolipid determination by an enzyme–linked immunosorbent assay using polystyrene beads. Taki T, et al. **J Biochem (Tokyo)** 1984 Jan;95(1):291–4
Autoantibodies to the U2 small nuclear ribonucleoprotein in a patient with scleroderma–polymyositis overlap syndrome. Mimori T, et al. **J Biol Chem** 1984 Jan 10; 259(1):560–5
Circulating autoantibodies in patients with fibrocystic disease of the breast. Tsakraklides E, et al.
J Cancer Res Clin Oncol 1983;106(3):219–21
Evaluation of free thyroxine methods in the presence of iodothyronine–binding autoantibodies. Beck–Peccoz P, et al. **J Clin Endocrinol Metab** 1984 Apr;58(4):736–9
Adrenal dysfunction in asymptomatic patients with adrenocortical autoantibodies. Ketchum CH, et al.
J Clin Endocrinol Metab 1984 Jun;58(6):1166–70
Glucagon binding autoantibodies in a patient with hyperthyroidism treated with methimazole. Sanke T, et al.
J Clin Endocrinol Metab 1983 Dec;57(6):1140–4
High concentrations of antibodies to xanthine oxidase in human and animal sera. Molecular characterization. Bruder G, et al. **J Clin Invest** 1984 Sep;74(3):783–94
Diversity of autoantibodies in avian scleroderma. An inherited fibrotic disease of White Leghorn chickens. Haynes DC, et al. **J Clin Invest** 1984 Jun;73(6):1557–68
Monoclonal lupus autoantibody secretion by human–human hybridomas. Selection of hybrids by conventional and novel techniques. Littman BH, et al. **J Clin Invest** 1983 Dec;72(6):1987–94
Molecular properties of the Ro/SSA antigen and enzyme–linked immunosorbent assay for quantitation of antibody. Yamagata H, et al. **J Clin Invest** 1984 Aug; 74(2):625–33
Fluorometric assay for anti–DNA antibodies: use of ethidium bromide as intercalating dye. Ali A, et al.
J Clin Lab Immunol 1984 May;14(1):45–8
Autoantibodies, sheep cell agglutinins and anti–albumin antibodies in alcoholic liver disease. Macgeorge J, et al.
J Clin Lab Immunol 1984 Jan;13(1):21–4
Transient autoantibodies with elevated complement levels in common viral diseases. Niwa Y, et al.
J Clin Lab Immunol 1984 Apr;13(4):183–8
Anti–squamous basal cell antibody activity in Waldenström's macroglobulinemia. Fernandez–Alonso GI, et al.
J Cutan Pathol 1984 Apr;11(2):154–7
The removal of anti–DNA antibodies in vitro using DNA combined immunoadsorbent matrices. Taneda A, et al.
J Dermatol (Tokyo) 1984 Feb;11(1):7–14
Circulating antitriiodothyronine autoantibodies in two euthyroid patients: apparent lack of interference in total T3 radioimmunoassay based on second antibody or solid phase separation techniques. Beck–Peccoz P, et al.
J Endocrinol Invest 1983 Oct;6(5):333–40
The measurement of antithyroglobulin autoantibodies in the presence of thyroglobulin. Henniker AJ, et al.
J Endocrinol Invest 1983 Aug;6(4):277–85
10 years experience with consecutive measurement of thyrotropin binding inhibiting antibodies (TBIAb). Hensen J, et al. **J Endocrinol Invest** 1984 Jun;7(3):215–20
Identification and characterization of circulating thyroid hormone autoantibodies in thyroid diseases, in autoimmune non thyroid illnesses and in lymphoreticular system disorders. Trimarchi F, et al. **J Endocrinol Invest** 1983 Jun; 6(3):203–9
Anti–threonyl–tRNA synthetase, a second myositis–related autoantibody. Mathews MB, et al. **J Exp Med** 1984 Aug 1;160(2):420–34
Participation of auto–anti–idiotypes in immune complex glomerulonephritis in rabbits. Zanetti M, et al.
J Immunol 1983 Dec;131(6):2781–3
Detection of antibody–coated sperm by 'panning' procedures. Hancock RJ, et al. **J Immunol Methods** 1984 Jan 20; 66(1):149–59
Development of an enzyme–linked immunosorbent assay for the detection of autoantibodies against thyroglobulin in chickens. Kofler H, et al. **J Immunol Methods** 1984 Apr 27;69(2):243–52
The detection of human antibodies against cytoskeletal components. Kurki P, et al. **J Immunol Methods** 1984 Mar 16;67(2):209–23 (110 ref.)
Problems associated with the presence of immunofluorescent heterophile antibody in sera submitted for autoantibody screening. Scott–Morgan L, et al. **J Immunol Methods** 1984 Jan 20;66(1):69–74
Differentiating anti–lamina lucida and anti–sublamina densa anti–BMZ antibodies by indirect immunofluorescence on 1.0 M sodium chloride–separated skin. Gammon WR, et al. **J Invest Dermatol** 1984 Feb;82(2):139–44
Detection of antibodies to melanocytes in vitiligo by specific immunoprecipitation. Naughton GK, et al.
J Invest Dermatol 1983 Dec;81(6):540–2
Pemphigus and pemphigoid antigens are expressed in human amnion epithelium. Robinson HN, et al.
J Invest Dermatol 1984 Sep;83(3):234–7
Serum antibodies to neurofilament antigens in patients with neurological and other diseases and in healthy controls. Bahmanyar S, et al. **J Neuroimmunol** 1983 Oct;5(2):191–6
Autoantibodies against pituitary peptides in sera from patients with multiple sclerosis. Hansen BL, et al.
J Neuroimmunol 1983 Oct;5(2):171–83
Flow microfluorometry detects IgM autoantibody to oligodendrocytes in multiple sclerosis. Pedersen JS, et al.
J Neuroimmunol 1983 Dec;5(3):251–9
Immunological abnormalities in a family with progressive external ophthalmoplegia. Calzetti S, et al. **J Neurol Sci** 1983 Sep;61(1):13–20
Characterization of antineurofilament autoantibodies in Creutzfeldt–Jakob disease. Bahmanyar S, et al.
J Neuropathol Exp Neurol 1984 Jul;43(4):369–75
An enzyme–linked immunosorbent assay for antibody against acetylcholine receptor. Hinman CL, et al.
J Neurosci Methods 1983 Oct;9(2):141–55
Autoimmunity in congenital rubella syndrome. Clarke WL, et al. **J Pediatr** 1984 Mar;104(3):370–3
Autoantibodies to SS–A/Ro in infants with congenital heart block. Reed BR, et al. **J Pediatr** 1983 Dec;103(6):889–91
Anti–T cell antibody in juvenile rheumatoid arthritis. Borel Y, et al. **J Rheumatol** 1984 Feb;11(1):56–61
Profile of autoantibodies in human diseases. Burek CL.
Lab Res Methods Biol Med 1983;8:101–20
Anti–myeloid–cell antibody in procainamide–induced agranulocytosis [letter] Azócar J. **Lancet** 1984 May 12; 1(8385):1069–70
Antibodies to melanocytes in vitiligo [letter] Betterle C, et al. **Lancet** 1984 Jan 21;1(8369):159
Antibodies to Purkinje cells and peripheral nerve in opoclonia [letter] Cawley LP, et al. **Lancet** 1984 Mar 3; 1(8375):509–10
Cigarette smoking and lung haemorrhage in glomerulonephritis caused by autoantibodies to glomerular basement membrane. Donaghy M, et al. **Lancet** 1983 Dec 17;2(8364):1390–3
Autoantibody to bovine TSH in Hashimoto's thyroiditis [letter] Eto S, et al. **Lancet** 1984 Mar 3;1(8375):520
Failure to detect age–related increase of non–pathological autoantibodies [letter] Gordon J, et al. **Lancet** 1984 Jan 28;1(8370):231
Opsoclonus and oat cell carcinoma of lung: lack of evidence for anti–CNS antibodies [letter] Graus F, et al. **Lancet** 1984 Jun 30;1(8392):1479
Anti–sperm antibodies, HLA antigens, and semen analysis [letter] Hancock RJ, et al. **Lancet** 1983 Oct 8;2(8354):847–8
Anticardiolipin antibodies: detection by radioimmunoassay and association with thrombosis in systemic lupus erythematosus. Harris EN, et al. **Lancet** 1983 Nov 26; 2(8361):1211–4
Antiphospholipid antibodies in acute Guillain–Barré syndrome [letter] Harris EN, et al. **Lancet** 1983 Dec 10; 2(8363):1361–2
Anti–DNA antibody idiotypes in systemic lupus erythematosus. Isenberg DA, et al. **Lancet** 1984 Aug 25; 2(8400):417–22
Autoantibodies against parathyroid hormone in a patient with terminal renal insufficiency. Jüppner H, et al. **Lancet** 1984 Jun 23;1(8391):1379–81
Antibodies to acetylcholine receptors in tardive dyskinesia [letter] Lieberman JA, et al. **Lancet** 1984 May 12; 1(8385):1066
Age–related increase in autoantibodies [letter] Moulias R, et al. **Lancet** 1984 May 19;1(8386):1128–9
Fluctuating islet–cell antibodies [letter] Mutch WJ, et al.
Lancet 1984 May 5;1(8384):1019
Improved sensitivity of islet cell cytoplasmic antibody assay in diabetics [letter] Pilcher C, et al. **Lancet** 1984 Jun 16; 1(8390):1352
Circulating pituitary autoantibodies against cells secreting luteinising and follicle stimulating hormones in children with cryptorchidism [letter] Pouplard–Barthelaix A, et al. **Lancet** 1984 Sep 15;2(8403):631–2
Islet–cell antibodies are seldom transient [letter] Riley W, et al. **Lancet** 1984 Jun 16;1(8390):1351–2
Disappearing anti–islet antibodies? [letter] Srikanta S, et al. **Lancet** 1984 May 26;1(8387):1176–7
Down's syndrome and hypothyroidism: a role for thyroid autoimmunity? [letter] Vladutiu AO, et al. **Lancet** 1984 Jun 23;1(8391):1416
Autoimmune thrombocytopenia acquired from allogeneic bone–marrow graft: compensated thrombocytopenia in bone marrow donor and recipient [letter] Waters AH, et al. **Lancet** 1983 Dec 17;2(8364):1430
Anti–actin antibodies of IgM and IgG class in chronic liver diseases detected by fluorometric immunoassay. Wiedmann KH, et al. **Liver** 1983 Dec;3(6):369–76
Autoantibodies in highly aged humans. Hijmans W, et al.
Mech Ageing Dev 1984 Jul;26(1):83–9
Acetylcholine receptor antibody in the diagnosis of myasthenia gravis. Nicholson GA, et al. **Med J Aust** 1983 Oct 1;2(7):334–7
Auto–antibodies specific for beta 2 microglobulin in normal human serum. Vincent C, et al. **Mol Immunol** 1983 Aug; 20(8):877–84
Evaluation of auto–antibodies in chronic mucocutaneous candidiasis without endocrinopathy. Zouali M, et al.
Mycopathologia 1984 Feb 15;84(2–3):87–93
Antivimentin autoantibodies in angioimmunoblastic lymphadenopathy. Dellagi K, et al. **N Engl J Med** 1984 Jan 26;310(4):215–8
Acquired iron–deficiency anemia caused by an antibody against the transferrin receptor. Larrick JW, et al.
N Engl J Med 1984 Jul 26;311(4):214–8
Anti–glucagon–cell and anti–adrenal–medullary–cell antibodies in islet–cell–autoantibody–positive diabetic children [letter] Schopfer K, et al. **N Engl J Med** 1984 Jun 7;310(23):1536–7
Autologous anti–antiidiotypic clones in human beings [letter] Zouali M, et al. **N Engl J Med** 1984 Aug 30;311(9):603
Transformation of membranous glomerulonephritis into crescentic glomerulonephritis with glomerular basement membrane antibodies. Serial determinations of anti–GBM before the transformation. Kurki P, et al. **Nephron** 1984; 38(2):134–7
Antibody to acetylcholine receptor in myasthenia gravis: production by lymphocytes from thymus or thymoma. Fujii Y, et al. **Neurology (NY)** 1984 Sep;34(9):1182–6
IgG subclass distribution of myasthenia gravis thymoma–associated antiskeletal muscle antibodies. Smith CI, et al. **Neurology (NY)** 1984 Aug;34(8):1094–6
Pancreatic islet and other autoantibodies in juvenile and adult onset diabetics in Australia. Menser MA, et al.
Pathology 1983 Jul;15(3):309–13
Pulse labeling of small nuclear ribonucleoproteins in vivo reveals distinct patterns of antigen recognition by human autoimmune antibodies. Fisher DE, et al.
Proc Natl Acad Sci USA 1984 May;81(10):3185–9
Antibodies to histones in systemic lupus erythematosus: localization of prominent autoantigens on histones H1 and H2B. Hardin JA, et al. **Proc Natl Acad Sci USA** 1983 Dec; 80(24):7410–4
Autoantibodies to glucosylated proteins in the plasma of patients with diabetes mellitus. Witztum JL, et al.
Proc Natl Acad Sci USA 1984 May;81(10):3204–8
The response to factor VIII infusion in inhibitor patients. Allain JP, et al. **Prog Clin Biol Res** 1984;150:99–108
Induced immunotolerance in factor VIII inhibitor patients. Brackmann HH. **Prog Clin Biol Res** 1984;150:181–95
The nature of factors in chronic relapsing EAE and MS sera which induce myelinotoxicity and cellular changes in organ culture. Bradbury K, et al. **Prog Clin Biol Res** 1984; 146:193–8
Inhibitors in Christmas disease. Briët E, et al.
Prog Clin Biol Res 1984;150:123–39
Measurement of factor VIII inhibitors. Kasper CK.
Prog Clin Biol Res 1984;150:87–98
Antibodies in the pathogenesis of demyelination in chronic relapsing EAE (cr–EAE). Lassmann H, et al.
Prog Clin Biol Res 1984;146:165–70
Antibodies to factor VIII–von Willebrand factor in congenital and acquired von Willebrand's disease. Mannucci PM, et al. **Prog Clin Biol Res** 1984;150:109–22
Overview of inhibitors to factor VIII and IX. Roberts HR, et al. **Prog Clin Biol Res** 1984;150:1–18
Serum antimyelin factors in experimental allergic encephalomyelitis and multiple sclerosis. Seil FJ, et al.
Prog Clin Biol Res 1984;146:199–206
Macrophage–mediated demyelination: the role of phospholipases and antibody. Trotter J, et al.
Prog Clin Biol Res 1984;146:55–60
Enzyme–linked immunosorbent assays for antibodies to poly(A), poly dAT and histones: possibly useful tools for the evaluation of prognosis and disease activity in systemic lupus erythematosus. Helve T, et al. **Rheumatol Int** 1984; 4(2):75–8
R2 anti–reticulin antibody in a mixed hospital population. Volta U, et al. **Ric Clin Lab** 1983 Oct–Dec;13(4):473–8
On the diagnostic value of 'thyroid autoantibodies' [letter] Lindstedt G, et al. **Scand J Clin Lab Invest** 1983 May; 43(3):271–3
Insulin antibodies in insulin–dependent diabetics before insulin treatment. Palmer JP, et al. **Science** 1983 Dec 23; 222(4630):1337–9
Endemic HBV infection, tissue autoantibodies and HLA. Analysis of a Sardinian population. Carbonara A, et al.

Tissue Antigens 1983 Oct;22(4):289–94

Autoantibodies, immune complexes and HLA–D in thyrogastric autoimmunity. Feldt–Rasmussen U, et al. **Tissue Antigens** 1983 Nov;22(5):342–7

Poly–adenosine diphosphate ribose autoantibody in systemic lupus erythematosus and other related autoimmune diseases. Murata K, et al. **Tohoku J Exp Med** 1983 Aug; 140(4):369–79

Autoimmunity and type I (insulin–dependent) diabetes mellitus. Naji A, et al. **Transplantation** 1983 Oct; 36(4):355–61

Red cell, white cell and platelet autoantibodies in visceral leishmaniasis. Kager PA, et al. **Trop Geogr Med** 1984 Jun; 36(2):143–50

Antitubular basement membrane autoantibody in a dog with chronic tubulointerstitial nephritis. Mezza LE, et al. **Vet Pathol** 1984 Mar;21(2):178–81

Autoantibodies in feline hyperthyroidism [letter] Kennedy RL, et al. **Vet Rec** 1984 Jun 9;114(23):575

Autoimmunity and the Kell blood groups: auto–anti–Kpb in a Kp(a+b–) patient. Manny N, et al. **Vox Sang** 1983; 45(3):252–6

[Significance of high titers of various autoantibodies in the diagnosis and monitoring of chronic liver diseases] Ninova–Bradistilova D, et al. **Vutr Boles** 1983;22(6):46–52 (Eng. Abstr.) **(Bul)**

[Indirect immunofluorescence detection of anti–dsDNA antibody with mouse liver imprint treated by acetone and hydrochloric acid] Dai YL. **Chung Hua I Hsueh Tsa Chih** 1984 Apr;64(4):203–5 (Eng. Abstr.) **(Chi)**

[Antibodies against leukocytes in patients with neutropenia] Kofínková P, et al. **Cas Lek Cesk** 1983 Dec 23; 122(51):1580–4 (Eng. Abstr.) **(Cze)**

[Antiprothrombinase antibodies and surgery] Gouin F. **Ann Fr Anesth Reanim** 1984;3(4):244–5 **(Fre)**

[Demonstration of antineutrophil antibodies using radioiodinated protein A] Cartron J, et al. **Nouv Rev Fr Hematol** 1983;25(5):323–8 (Eng. Abstr.) **(Fre)**

[A rapid method of determining anti–thyrotropin–receptor antibodies (letter)] Izembart M, et al. **Presse Med** 1984 Jul 14–21;13(29):1787–8 **(Fre)**

[Study of thyroid autoimmunity in man. Contribution of cell cultures to the study of antibodies stimulating the thyroid gland in Basedow's disease] Yeni P, et al. **Presse Med** 1983 Oct 29;12(38):2383–7 (Eng. Abstr.) **(Fre)**

[Acquired hemophilia caused by antifactor VIIIc antibodies. Apropos of 3 cases] Weiller PJ, et al. **Rev Med Interne** 1983 Dec;4(4):323–6 (Eng. Abstr.) **(Fre)**

[Polyneuropathies and gammapathies: a form with antiglycoprotein MAG antibodies] Steck AJ, et al. **Rev Neurol (Paris)** 1984;140(1):28–36 (Eng. Abstr.) **(Fre)**

[Determination of anti dsDNA antibodies by immunofluorescence using Crithidia luciliae. I—Diagnostic and prognostic value in systemic lupus erythematosus. Comparison with the Farr radioimmunoassay] Borda–Iriarte O, et al. **Rev Rhum Mal Osteoartic** 1984 Apr; 51(4):185–91 (Eng. Abstr.) **(Fre)**

[Humoral and cellular anticollagen autoimmunity in rheumatic pathology] Gioud M, et al. **Rev Rhum Mal Osteoartic** 1983 Jul–Sep;50(8–9):579–83 (Eng. Abstr.) **(Fre)**

[Anti–B–lymphocyte antibodies in rheumatoid polyarthritis. I.—1st findings in 22 patients] Mercier P, et al. **Rev Rhum Mal Osteoartic** 1984 Jun;51(6):317–24 (Eng. Abstr.) **(Fre)**

[IgG–type antihistone antibodies. Diagnostic value in rheumatoid polyarthritis, scleroderma, spontaneous and drug–induced lupus] Meyer O, et al. **Rev Rhum Mal Osteoartic** 1984 Jun;51(6):303–10 (Eng. Abstr.) **(Fre)**

[Possibilities for the use of immunofluorescence in clinical immunologic diagnosis] Storch W. **Acta Histochem [Suppl] (Jena)** 1984;30:89–92 (Eng. Abstr.) **(Ger)**

[Parietal cell antibodies and stomach cancer] Reitzig P, et al. **Arch Geschwulstforsch** 1983;53(4):341–4 (Eng. Abstr.) **(Ger)**

[Secondary immunopathogenesis of cardiac diseases] Maisch B. **Fortschr Med** 1984 May 10;102(18):516–20 (Eng. Abstr.) **(Ger)**

[Eosinophilic spongiosis and ICS antibodies in a child with strophulus–like dermatosis] Klein GF, et al. **Hautarzt** 1984 Jan;35(1):50–2 (Eng. Abstr.) **(Ger)**

[Neonatal myasthenia: a case report and acetylcholine receptor antibody course] Zeitlhofer J, et al. **Nervenarzt** 1984 Jun;55(6):330–2 **(Ger)**

[T3– and T4–antibodies in serum: screening and specific determination methods] Grebe SF. **Nuklearmedizin** 1983 Aug;22(4):192–5 (Eng. Abstr.) **(Ger)**

[Autoimmunity in patients with bronchogenic carcinomas: occurrence of antibodies against nuclear antigens, chromosomes and ds–deoxyribonucleic acid] Dellen H, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Sep; 177(6):451–68 (Eng. Abstr.) **(Ger)**

[Detection of organ–specific and organ non–specific autoantibodies in the serum of sterile couples] Donat H, et al. **Zentralbl Gynakol** 1983;105(19):1248–56 (Eng. Abstr.) **(Ger)**

[Acetylcholine receptor antibodies in myasthenia gravis] Yakirevich V, et al. **Harefuah** 1983 Apr 1;104(7):269–70 (Eng. Abstr.) **(Heb)**

[Acute viral hepatitis in the Florence area: II. Immunologic study] Passaleva A, et al. **Boll Ist Sieroter Milan** 1983 Jul; 62(3):224–37 (Eng. Abstr.) **(Ita)**

[Reexamination of autoantibodies to beta–adrenergic receptors in sera of normal subjects and asthmatic patients] Motojima S, et al. **Arerugi** 1984 Jan;33(1):17–23 (Eng. Abstr.) **(Jpn)**

[Anti–IgE antibody in the sera from asthmatic patients. (II) Establishment of enzyme immunoassay] Nawata Y, et al. **Arerugi** 1984 Jan;33(1):35–42 (Eng. Abstr.) **(Jpn)**

[Autoantibodies in patients with mucocutaneous lymph node syndrome (Kawasaki disease)] Saji T, et al. **Arerugi** 1983 Dec;32(12):1129–33 (Eng. Abstr.) **(Jpn)**

[Hypothyroidism with serum anti–T3 autoantibody—a case report] Doi K, et al. **Horumon To Rinsho** 1983 Nov; 31(11):1097–101 **(Jpn)**

[Anti–TSH receptor antibodies and autoimmune thyroid diseases] Ichikawa Y, et al. **Horumon To Rinsho** 1983 Dec; 31(12):1185–90 **(Jpn)**

[Oral mucosal diseases and auto–antibodies] Takahashi Y. **Kokubyo Gakkai Zasshi** 1983 Jun;50(2):345 **(Jpn)**

[Antineutrophil opsonizing antibody in the sera of rabbits immunized with human neutrophils and in patients with autoimmune neutropenia] Saito K. **Nippon Ketsueki Gakkai Zasshi** 1983 Nov;46(6):1192–9 (Eng. Abstr.) **(Jpn)**

[Studies on anti–T3 and anti–T4 autoantibodies found in 2 sisters with juvenile hypothyroidism due to Hashimoto's thyroiditis. III. Anti–rT3 autoantibodies] Nakamura S, et al. **Nippon Naibunpi Gakkai Zasshi** 1983 Jul 20;59(7):973–82 (Eng. Abstr.) **(Jpn)**

[Thyroid hormone autoantibodies in Hashimoto's disease and Graves' disease] Nakamura S, et al. **Nippon Naibunpi Gakkai Zasshi** 1983 Oct 20; 59(10):1597–607 (Eng. Abstr.) **(Jpn)**

[Primary biliary cirrhosis among siblings with familial clustering of incidences of antimitochondrial antibody] Daiguji Y, et al. **Nippon Naika Gakkai Zasshi** 1983 May 10;72(5):594–9 **(Jpn)**

[Autopsy case with a positive anti–ribonucleoprotein antibody response and severe vascular lesions in lung and kidney in multiple syndrome of systemic lupus erythematosus and scleroderma] Honda Y, et al. **Nippon Naika Gakkai Zasshi** 1984 Apr;73(4):507–13 **(Jpn)**

[Cross–reactive auto–anti–idiotypic antibody against anti–DNA antibody in systemic lupus erythematosus] Taniguchi O. **Nippon Naika Gakkai Zasshi** 1983 Oct; 72(10):1353–9 **(Jpn)**

[Evaluation of circulating immune complexes in leprosy in relation to clinical activity, antileprosy agents, bacterial indices and anti–DNA antibodies] Furukawa F, et al. **Nippon Rai Gakkai Zasshi** 1983 Apr–Jun;52(2):102–10 (Eng. Abstr.) **(Jpn)**

[Abnormal insulin receptor type–B associated with lupus erythematosus] Saito N, et al. **Nippon Rinsho** 1983 Oct; 41(10):2412–20 **(Jpn)**

[Antigenicity of connective tissue components and autoimmune diseases] Takeda Y, et al. **Nippon Rinsho** 1984 May;42(5):1154–9 **(Jpn)**

[Presence of anti–AFP–antibody producing B cells in peripheral blood lymphocyte of hepatocellular carcinoma patient] Asano T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Feb;81(2):278 **(Jpn)**

[Antiacetylcholine receptor antibody in juvenile myasthenia gravis] Onoe S, et al. **No To Hattatsu** 1984 Jan;16(1):4–10 (Eng. Abstr.) **(Jpn)**

[Relationship between appearance frequency of auto antibodies and lymphocyte count by age] Kumagai E, et al. **Rinsho Byori** 1983 Apr;31(4):431–4 **(Jpn)**

[Analysis of anti–erythrocyte autoantibodies in autoimmune hemolytic anemia, with special reference to quantitative analysis of erythrocyte–bound immunoglobulin by beta–galactosidase–labeled immunoenzyme technic] Yamada H, et al. **Rinsho Ketsueki** 1983 Sep;24(9):1173–83 (Eng. Abstr.) **(Jpn)**

[Use of the immunofluorescence and immunodiffusion methods for the detection of anti–brain antibodies in the sera of patients with central nervous system diseases] Gannuszkina IW, et al. **Neuropatol Pol** 1983;21(2):183–90 (Eng. Abstr.) **(Pol)**

[Anti–reticulin antibodies in dermatitis herpetiformis. Preliminary report] Burian E. **Przegl Dermatol** 1984 Jan–Feb;71(1):31–4 (Eng. Abstr.) **(Pol)**

[Clinical and pathogenic significance of vascular autoantibodies in systemic lupus erythematosus] Mitu S. **Rev Med Interna [Med Interna]** 1982 May–Jun;34(3):251–6 **(Rum)**

[Clinical and pathogenic significance of renal autoantibodies in patients with systemic lupus erythematosus] Mitu S, et al. **Rev Med Interna [Med Interna]** 1983 Jul–Aug; 35(4):365–70 **(Rum)**

[Immunomorphologic characteristics of patients after surgery for chronic suppurative salpingo–oophoritis] Franchuk AE. **Akush Ginekol (Mosk)** 1983 Sep;(9):68–9 (5 ref.) **(Rus)**

[The hemato–testicular barrier and autoimmune reactions during ontogenesis] Il'chevich NV, et al. **Fiziol Zh** 1984 Jan–Feb;30(1):91–6 (Eng. Abstr.) **(Rus)**

[DNA concentration in blood and cardiac muscle and anti–DNA antibodies in patients with ischemic heart disease] Ponomareva AG, et al. **Sov Med** 1984;(2):11–5 (Eng. Abstr.) **(Rus)**

[Passive hemagglutination reaction in patients with allergic pruritic dermatoses] Gol'dshtein LM, et al. **Vestn Dermatol Venerol** 1984 Jan;(1):48–51 (Eng. Abstr.) **(Rus)**

[Autoantibodies in patients with uveitis of various etiologies] Teplinskaia LE, et al. **Vestn Oftalmol** 1984 Mar–Apr; (2):40–3 (Eng. Abstr.) **(Rus)**

[Complement–binding antikidney antibodies in allotransplantation of the cadaveric kidney] Drannik GN, et al. **Vrach Delo** 1983 Aug;(8):56–9 (Eng. Abstr.) **(Rus)**

[Circulating immune complexes in the serum of patients after partial or total removal of the pancreas] Fedishin PS, et al. **Vrach Delo** 1983 Oct;(10):56–8 (1 ref.) **(Rus)**

[Role of the abstinence syndrome in the development of alcoholic encephalopathy] Glebov VS, et al. **Zh Nevropatol Psikhiatr** 1983;83(8):1227–31 (Eng. Abstr.) **(Rus)**

[Clinico–immunologic correlations in epilepsy] Shmatko VG, et al. **Zh Nevropatol Psikhiatr** 1984;84(6):814–9 (Eng. Abstr.) **(Rus)**

[Clinico–immunologic correlations in disseminated sclerosis] Zavalishin IA, et al. **Zh Nevropatol Psikhiatr** 1984; 84(2):164–7 (Eng. Abstr.) **(Rus)**

[Antibodies to antigens of parietal cells of the stomach in chronic gastritis] Lakata E, et al. **Bratisl Lek Listy** 1984 Feb;81(2):165–75 (Eng. Abstr.) **(Slo)**

[Autoimmunity factor in chronic gastritis: incidence of antiparietal cell antibodies and their relation to antral histology and basal blood gastrins] Schraier M, et al. **Acta Gastroenterol Latinoam** 1983;13(1):31–44 (Eng. Abstr.) **(Spa)**

[Antithyroglobulin antibodies and autoimmune thyroiditis in man] Dobrew K, et al. **Allergol Immunopathol (Madr)** 1984 Mar–Apr;12(2):115–8 (Eng. Abstr.) **(Spa)**

[Circulating anticoagulants in systemic lupus erythematosus] Durán–Suárez JR. **Med Clin (Barc)** 1983 Jul 16;81(5):203–6 (Eng. Abstr.) **(Spa)**

[Immunological and morphological studies in experimental Chagas' disease in mice] Cossio PM, et al. **Medicina (B Aires)** 1983;43(5):517–24 (Eng. Abstr.) **(Spa)**

[Autoantibodies, immunoglobulins and HLA in relatives of patients with primary biliary cirrhosis] Rodríguez–San Román JL, et al. **Rev Esp Enferm Apar Dig** 1983 Nov; 64(5):395–9 (Eng. Abstr.) **(Spa)**

[Selective red–cell aplasia. Report of 3 patients with studies of a circulating antibody against erythropoiesis] García Triana Y, et al. **Sangre (Barc)** 1983;28(4):421–8 (Eng. Abstr.) **(Spa)**

[Anti–platelet antibodies. Study of 2 methods] Nicolau JE, et al. **Sangre (Barc)** 1983;28(4):523–9 (Eng. Abstr.) **(Spa)**

BIOSYNTHESIS

Activation of lipid peroxidation: a mechanism triggering the autoimmune response. Prilipko LL, et al. **Acta Physiol Pharmacol Bulg** 1983;9(4):14–20

Specific suppression of humoral and delayed hypersensitivity responses by cyclophosphamide in an experimental model of autoimmunity. Riera CM, et al. **Am J Reprod Immunol** 1983 Sep;4(2):71–5

Quinidine–induced lupus erythematosus. West SG, et al. **Ann Intern Med** 1984 Jun;100(6):840–2

Familial alopecia areata. HLA antigens and autoantibody formation in an American family. Hordinsky MK, et al. **Arch Dermatol** 1984 Apr;120(4):464–8

Autoimmune response directed to pancreatic beta cells in rats induced by combined treatment with low doses of streptozotocin and complete Freund's adjuvant. Ziegler M, et al. **Biomed Biochim Acta** 1984;43(5):675–81

Development of 'auto–anti–A1 antibodies' following alloimmunization in an A2 recipient. Contreras M, et al. **Br J Haematol** 1983 Dec;55(4):657–63

Development of 'auto anti–A1 antibodies' following alloimmunization in an A2 recipient [letter] Mangal AK, et al. **Br J Haematol** 1984 Aug;57(4):714–6

Experimental erythrocyte autoantibodies. V. Induction and suppression of red blood cell autoantibodies in mice injected with rat bromelain–treated red blood cells. Cox KO, et al. **Cell Immunol** 1983 Oct 1;81(1):22–7

Regulation of naturally occurring autoantibody secretion by a radiosensitive lymphocyte: initial characterization and ontogeny. Moticka EJ. **Cell Immunol** 1983 Oct 1; 81(1):36–44

Regulation of naturally occurring autoantibody–producing cells: detection of a suppressive substance which inhibits the secretion of antibodies directed against enzyme–treated isologous erythrocytes. Moticka EJ. **Cell Immunol** 1983 Oct 1;81(1):28–35

Strain differences in the development of auto–anti–idiotypic antibody regulation with age: genetic linkage to the Igh–C locus. Szewczuk MR. **Cell Immunol** 1984 Apr 1; 84(2):393–402

Thymus–dependence of autoantibody responses to liver specific lipoprotein in the mouse. Bartholomaeus WN, et al. **Clin Exp Immunol** 1984 Mar;55(3):541–5

Defective LN cell proliferative response to Sm antigen in mice bearing the lpr gene. Dang H, et al. **Clin Exp Immunol** 1984 May;56(2):361–70

Antibodies directed against human liver specific membrane lipoprotein (LSP) in marmosets experimentally infected

with the hepatitis A virus. Jensen DM, et al. **Clin Exp Immunol** 1984 Mar;55(3):535–40

Effects of cyclophosphamide on autoantibody synthesis in the Brown Norway rat. Pusey CD, et al. **Clin Exp Immunol** 1983 Dec;54(3):697–704

Anti-lymphocyte autoantibodies in lethal mouse malaria and their absence in an irradiation-induced non-lethal variant. Waki S, et al. **Clin Exp Immunol** 1984 Jan;55(1):245–6

Extrathyroidal sites of autoantibody synthesis in Graves' disease. Weetman AP, et al. **Clin Exp Immunol** 1984 May; 56(2):330–6

Greatly increased autoantibody production in myasthenia gravis by thymocyte suspensions prepared with proteolytic enzymes. Willcox HN, et al. **Clin Exp Immunol** 1983 Nov; 54(2):378–86

Treatment of NZB/W F1 mice with NZW splenic T cells or with serum of mice experiencing the graft-versus-host reaction: suppression of ongoing anti-double-stranded (ds) DNA antibody formation and improvement of renal function. Okudaira H, et al. **Clin Immunol Immunopathol** 1984 Sep;32(3):359–67

The influence of the lpr gene on B cell activation: differential antibody expression in lpr congenic mouse strains. Warren RW, et al. **Clin Immunol Immunopathol** 1984 Apr; 31(1):65–77

The induction of anti-erythrocyte antibodies in vivo by administration of lipopolysaccharide. Woloschak GE, et al. **Clin Immunol Immunopathol** 1984 Apr;31(1):44–55

Islet cell surface and lymphocyte antibodies often precede the spontaneous diabetes in the BB rat. Dyrberg T, et al. **Diabetologia** 1984 Feb;26(2):159–65

Autoregulation of autoantibody synthesis in mercuric chloride nephritis in the Brown Norway rat. II. Presence of antigen-augmentable plaque-forming cells in the spleen is associated with humoral factors behaving as auto-anti-idiotypic antibodies. Chalopin JM, et al. **Eur J Immunol** 1984 May;14(5):470–5

Evaluation of the immunosuppression in an experimental model of autoimmunity: suppressor activity of spleen cells from cyclophosphamide-treated rats. Serra HM, et al. **Immunol Lett** 1983;7(3):163–9

Defective regulation of erythrocyte autoantibodies in SJL mice. Cooke A, et al. **Immunology** 1984 Mar;51(3):489–92

Lymph node cells from rats with Heymann's nephritis produce in vitro autoantibodies directed against purified renal tubular antigen. de Heer E, et al. **Immunology** 1984 Aug;52(4):743–52

Induction of anti-intermediate filament antibody in rabbits experimentally infected with Trypanosoma brucei brucei. Mortazavi-Milani SM, et al. **Immunology** 1984 Jul; 52(3):423–6

Lowered Fc IgG receptor-bearing T lymphocytes correlate with non-organ-specific autoantibodies in silicosis. Miossec P, et al. **Int Arch Allergy Appl Immunol** 1984;73(?):12–5

Surface markers and function of circulating thyroid autoantibody-producing cells. Mariotti S, et al. **J Clin Endocrinol Metab** 1984 Jan;58(1):18–24

Anti-intermediate filament antibody in mice infected with Plasmodium berghei. Mortazavi-Milani SM, et al. **J Clin Lab Immunol** 1984 Mar;13(3):103–5

Studies of congenitally immunologically mutant New Zealand mice. IX. Age-related microenvironmental effects on autoantibody production in NZB and NZB.Xid mice studied by transplantation. Bray KR, et al. **J Immunol** 1984 Jun;132(6):2913–8

Autoimmune mice develop antibodies to thymic hormone: production of anti-thymulin monoclonal autoantibodies from diabetic (db/db) and B/W mice. Dardenne M, et al. **J Immunol** 1984 Aug;133(2):740–3

Nutritional factors and autoimmunity. IV. Dietary vitamin A deprivation induces a selective increase in IgM autoantibodies and hypergammaglobulinemia in New Zealand Black mice. Gershwin ME, et al. **J Immunol** 1984 Jul;133(1):222–6

Induction of various autoantibodies by mutant gene lpr in several strains of mice. Izui S, et al. **J Immunol** 1984 Jul; 133(1):227–33

Responsiveness of autoimmune and normal mice to nucleic acid antigens. Madaio MP, et al. **J Immunol** 1984 Feb; 132(2):872–6

Isotypes of spontaneous and mitogen-induced autoantibodies in SLE-prone mice. Slack JH, et al. **J Immunol** 1984 Mar; 132(3):1271–5

Use of total lymphoid irradiation (TLI) in studies of the T cell-dependence of autoantibody production in rheumatoid arthritis. Tanay A, et al. **J Immunol** 1984 Feb; 132(2):1036–40

Induction of autoantibodies to thyroglobulin by anti-idiotypic antibodies. Zanetti M, et al. **J Immunol** 1984 Jul;133(1):240–3

From virus infection to autoantibody formation [letter] Bernstein R, et al. **Lancet** 1984 Jan 7;1(8367):42

An immunotoxin of ricin A chain conjugated to thyroglobulin selectively suppresses the antithyroglobulin autoantibody response. Rennie DP, et al. **Lancet** 1983 Dec 10;2(8363):1338–40

Hybridomas from lymphocytes of normal mice produce monoclonal autoantibodies [letter] Yoon JW, et al. **Lancet** 1984 Sep 15;2(8403):641

Enhancement of the spontaneous development of autoreactive B cells by PPD in mouse peritoneal cell cultures. Campa M, et al. **Microbiologica** 1983 Jul; 6(3):199–205

The in vitro effects of D-penicillamine upon anti-AChR production by thymic and peripheral blood lymphocytes from patients with myasthenia gravis. Scadding GK, et al. **Muscle Nerve** 1983 Nov-Dec;6(9):656–60

Adjuvant-free immunological manipulation of livestock. Morrison CA, et al. **Res Vet Sci** 1984 Jul;37(1):108–13

Auto-delayed-type hypersensitivity induced in immunodeficient mice with syngeneic modified self-antigens. II. Suppressor T cells control the autoimmune response. Tarcic N, et al. **Scand J Immunol** 1984 Feb;19(2):111–21

Formation of antisperm autoantibodies in rats vasectomized at prefertile age. Pedersen J, et al. **Scand J Urol Nephrol** 1983;17(3):277–81

Humoral autoimmunity in insulin-dependent (type I) diabetes mellitus. A current assessment. Dobersen MJ. **Surv Immunol Res** 1982;1(4):329–38 (55 ref.)

Autoantibodies to beta 2-adrenergic receptors and allergic respiratory disease. Fraser CM, et al. **Surv Immunol Res** 1982;1(4):365–70 (20 ref.)

T cell autoimmunity to brain myelin. Wekerle H. **Surv Immunol Res** 1984;3(2–3):221–4

Late appearance of autoantibody-anti S in autoimmune hemolytic anemia [letter] Alessandrino EM, et al. **Transfusion** 1984 Jul-Aug;24(4):369–70

Transient anti-D in an Rh-positive patient with congenital dyserythropoietic anemia type II. Krikler SH, et al. **Transfusion** 1984 Mar-Apr;24(2):169–70

Biologic significance of autoantibodies against H-2 antigens in syngeneic antitumor sera. Schmidt W, et al. **Transplant Proc** 1983 Dec;15(4):2118–20

Platelet- and granulocyte-specific antibodies after allogeneic and autologous bone marrow grafts. Minchinton RM, et al. **Vox Sang** 1984;46(3):125–35

[Genetic studies of anti-erythrocyte autoantibody production] Ozaki S, et al. **Rinsho Ketsueki** 1983 Sep; 24(9):1152–60 (Eng. Abstr.) **(Jpn)**

[Effect of microwave radiation on autoimmune processes in pregnant and non-pregnant animals] Naumenko GM. **Vrach Delo** 1984 Mar;(3):109–11 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

The influence of high-dose prednisone medication on autoantibody specific activity and on circulating immune complex level in cerebrospinal fluid of multiple sclerosis patients. Wajgt A, et al. **Acta Neurol Scand** 1983 Dec; 68(6):378–85

Encephalopathy, peripheral neuropathy, dysautonomia, myasthenia gravis, malignant thymoma, and antiacetylcholine receptor antibodies in the CSF. Bogousslavsky J, et al. **Eur Neurol** 1983;22(5):301–6

Myelin basic protein and its antibodies in the cerebrospinal fluid in experimental allergic encephalomyelitis, multiple sclerosis and other diseases. Alvord EC Jr, et al. **Prog Clin Biol Res** 1984;146:359–63

CLASSIFICATION

Two distinct categories of warm autoantibody reactivity with age-fractionated red cells. Branch DR, et al. **Blood** 1984 Jan;63(1):177–80

GENETICS

Relationships of HLA-DR and MT antigens to autoantibody expression in systemic lupus erythematosus [letter] Alvarellos A, et al. **Arthritis Rheum** 1983 Dec; 26(12):1533–5

Idiotypic cross-reaction between MRL monoclonal autoantibodies with different antigen specificity. Pisetsky DS, et al. **Clin Immunol Immunopathol** 1984 Mar; 30(3):461–8

Islet-cell antibodies (ICA-CFICA) and HLA genotypes in 107 IDD patients and their first-degree relatives. Deschamps I, et al. **Hum Immunol** 1984 Jun;10(2):129–34

Genetic regulation of erythrocyte autoantibody production in New Zealand black mice. Ozaki S, et al. **Immunogenetics** 1983;18(3):241–54

Genetic analysis of the inheritance of B cell hyperactivity in relation to the development of autoantibodies and glomerulonephritis in NZB x SWR crosses. Eastcott JW, et al. **J Immunol** 1983 Nov;131(5):2232–9

Genetic predisposition to inhibitor formation. Shapiro SS. **Prog Clin Biol Res** 1984;150:45–55

IMMUNOLOGY

Thymocytolytic autoantibodies elicited by immunization of mice with chemically-induced sarcoma and leukemia cells. Merino F. **Acta Cient Venez** 1982;33(5):402–5

Are endothelial cells stimulated by autoantibodies in scleroderma? [letter] Nunzi E, et al. **Acta Derm Venereol (Stockh)** 1983;63(5):458–9

Smooth muscle antibodies in essential hypertension. Preliminary report. Kristensen BO, et al. **Acta Med Scand [Suppl]** 1983;677:138–40

Antinuclear factor, smooth and striated muscle antibodies in Duchenne-type muscular dystrophy. László A, et al. **Acta Paediatr Hung** 1983;24(4):331–6

Transplacental transmission of experimental autoimmune myasthenia gravis. A morphological study. Arizono N, et al. **Acta Pathol Jpn** 1983 May;33(3):507–13

Heterogeneity of autoimmune thyroiditis. Bech K, et al. **Allergy** 1984 May;39(4):239–47 (92 ref.)

Immunoregulatory abnormalities in Evans syndrome. Wang W, et al. **Am J Hematol** 1983 Dec;15(4):381–90

Polymyositis and interstitial lung disease in a patient with anti-Jo1 prototype. Wasicek CA, et al. **Am J Med** 1984 Mar;76(3):538–44

Autoimmune thrombocytopenic purpura: current concepts and recommended practices. Martin JN Jr, et al. **Am J Obstet Gynecol** 1984 Sep 1;150(1):86–96 (106 ref.)

Coxsackievirus B-3 myocarditis in Balb/c mice. Evidence for autoimmunity to myocyte antigens. Huber SA, et al. **Am J Pathol** 1984 Jul;116(1):21–9

Antisperm responses in male dogs with chronic Brucella canis infections. George L, et al. **Am J Vet Res** 1984 Feb; 45(2):274–81

Partial deficiency of the fourth component of human complement (C4) and autoantibody directed against C4 in a patient with SLE. Ripoche J, et al. **Ann Immunol (Paris)** 1983 Sep-Oct;134D(2):233–45

Enzyme-linked immunosorbent assay for antibody against the nicotinic acetylcholine receptor in human myasthenia gravis. Kawanami S, et al. **Ann Neurol** 1984 Feb; 15(2):195–200

Auto-anti-allotype antibody in allotype-suppressed rabbits: immunoregulation of immunoglobulin synthesis by an allotype-idiotype network. Dray S, et al. **Ann NY Acad Sci** 1983;418:84–96

Auto-antibodies to actin: recent findings. Fagraeus A, et al. **Ann NY Acad Sci** 1983;420:297–301

Natural regulation of antibody clones by auto-anti-idiotypic antibodies in rabbits. Rodkey LS, et al. **Ann NY Acad Sci** 1983;418:16–25

Regulation of the anti-trinitrophenyl response by anti-idiotype antibodies. Siskind GW, et al. **Ann NY Acad Sci** 1983;418:26–30

Anti-idiotypic antibodies and autoantibodies. Zanetti M. **Ann NY Acad Sci** 1983;418:363–78

Sjögren's syndrome in MRL/l and MRL/n mice. Hoffman RW, et al. **Arthritis Rheum** 1984 Feb;27(2):157–65

HLA-DR4 is not a requisite for autoimmunity to collagen in rheumatoid arthritis. Kammer GM, et al. **Arthritis Rheum** 1984 May;27(5):489–94

Type II collagen-induced arthritis in mice. II. Passive transfer and suppression by intravenous injection of anti-type II collagen antibody or free native type II collagen. Wooley PH, et al. **Arthritis Rheum** 1984 Sep; 27(9):1010–7

Exposure of thyroxine residues in human thyroglobulin. Two-site binding studies. Byfield PG, et al. **Biochem J** 1984 Apr 15;219(2):405–10

The reactivities of human erythrocyte autoantibodies anti-Pr2, anti-Gd, Fl and Sa with gangliosides in a chromatogram binding assay. Uemura K, et al. **Biochem J** 1984 May 1;219(3):865–74

Development of factor VIII:C antibodies in dogs with hemophilia A (factor VIII:C deficiency). Giles AR, et al. **Blood** 1984 Feb;63(2):451–6

Incidence of immune responses following 102 infusions of autoplex in 18 hemophilic patients with antibody to factor VIII. Laurian Y, et al. **Blood** 1984 Feb;63(2):457–62

A unique precipitating autoantibody against plasma thromboplastin antecedent associated with multiple apparent plasma clotting factor deficiencies in a patient with systemic lupus erythematosus. Poon MC, et al. **Blood** 1984 Jun;63(6):1309–17

Autoantibodies against platelet glycoprotein Ib in patients with chronic immune thrombocytopenic purpura. Woods VL Jr, et al. **Blood** 1984 Jul;64(1):156–60

Autoantibodies against the platelet glycoprotein IIb/IIIa complex in patients with chronic ITP. Woods VL Jr, et al. **Blood** 1984 Feb;63(2):368–75

Haemophilia due to factor VIII inhibitors in a patient suffering from an autoimmune disease: treatment with intravenous immunoglobulin. A case report. Gianella-Borradori A, et al. **Blut** 1984 Jun;48(6):403–7

Differential binding of IgG anti-D and IgG autoantibodies to reticulocytes and red blood cells. Gray LS, et al. **Br J Haematol** 1983 Oct;55(2):335–45

Identification of a new marker (Ly RL male 1) for cells of the T lineage by an auto-antithymocyte serum. Basch RS, et al. **Cell Immunol** 1983 Oct 1;81(1):144–56

Production of auto-anti-idiotypic antibody during the normal immune response. IX. Characteristics of the auto-anti-idiotype antibody and its production. Goidl EA, et al. **Cell Immunol** 1984 Apr 15;85(1):25–33

Prevalence of serum autoantibody binding of Amerlex thyroxin analog [letter] Fielding AM. **Clin Chem** 1984 Mar; 30(3):501–2

Anti-triiodothyronine autoantibodies interfere with two recently commercialized radioimmunoassays for free triiodothyronine. Rodríguez-Espinosa J, et al. **Clin Chem** 1984 Jan;30(1):151–2

Should one measure serum thyroglobulin in the presence of anti-thyroglobulin antibodies? Black EG, et al. **Clin Endocrinol (Oxf)** 1983 Nov;19(5):597–601

Studies of complement activation and IgG subclass restriction of anti-thyroglobulin. Adler TR, et al. **Clin Exp Immunol** 1984 May;56(2):383–9

Serum autoantibodies and thyroid lymphocytic infiltration in endemic goitre. Costa A, et al. **Clin Exp Immunol** 1984 Apr;56(1):143–8

Heterogeneity, polypeptide chain composition and antigenic reactivity of autoantibodies (F-42) that are directed against the classical pathway C3 convertase of complement and isolated from sera of patients with systemic lupus erythematosus. Daha MR, et al. **Clin Exp Immunol** 1984 Jun;56(3):614-20

Regulation of immune complex-mediated complement activation by autoantibodies (F-42) isolated from sera of patients with systemic lupus erythematosus. Daha MR, et al. **Clin Exp Immunol** 1983 Sep;53(3):541-6

Flow microfluorimetric analysis of autoantibody reactions with parietal cell surface membranes in pernicious anaemia. De Aizpurua HJ, et al. **Clin Exp Immunol** 1983 Nov; 54(2):405-10

Idiotypic determinants on human thyroglobulin autoantibodies derived from the serum of Hashimoto patients and EB virus transformed cell lines. Delves PJ, et al. **Clin Exp Immunol** 1984 Jul;57(1):33-40

Antibodies to liver cell membrane antigens in chronic active hepatitis (CAH). III. Partial characterization of the liver cell membrane antigens and comparison of reactivities in sera from patients with various liver diseases. Frazer IH, et al. **Clin Exp Immunol** 1984 Aug;57(2):429-37

Passively transferred anti-brush border antibodies induce injury of proximal tubules in the absence of complement. Noble B, et al. **Clin Exp Immunol** 1984 May;56(2):281-8

Characterization and idiotypic analysis of an anti-RNP monoclonal antibody. Pisetsky DS, et al. **Clin Exp Immunol** 1984 Jun;56(3):593-600

Specific autoantibody slows the rapid plasma clearance of 125I-SS-B (La) in mice. Schrieber L, et al. **Clin Exp Immunol** 1984 Jun;56(3):621-7

Treatment of sperm autoimmunity in men. Baker HW, et al. **Clin Reprod Fertil** 1983 Mar;2(1):55-71

Serum autoantibodies to Tamm-Horsfall protein and their relation to renal damage and glomerular filtration rate in children with urinary tract malformations. Fasth A, et al. **Contrib Nephrol** 1984;39:285-95

Antibodies to Tamm-Horsfall urinary glycoprotein in patients with urinary tract infection, reflux nephropathy, urinary obstruction and paraplegia. Lynn KL, et al. **Contrib Nephrol** 1984;39:296-304

Cell-mediated cytotoxic islet cell surface antibodies to human pancreatic beta cells. Maruyama T, et al. **Diabetologia** 1984 Jan;26(1):30-3

Immune elimination of aging platelets by autologous monocytes: role of membrane-specific autoantibody. Khansari N, et al. **Eur J Immunol** 1983 Dec;13(12):990-4

Monoclonal autoantibodies to histones from autoimmune NZB/NZW F1 mice. Laskov R, et al. **Eur J Immunol** 1984 Jan;14(1):74-81

Autoimmunity following viral infection: demonstration of monoclonal antibodies against normal tissue following infection of mice with reovirus and demonstration of shared antigenicity between virus and lymphocytes. Tardieu M, et al. **Eur J Immunol** 1984 Jun;14(6):561-5

Pathological changes in the heterologous phase of antibasement membrane antibody mediated disease in the rat. Yong LC, et al. **Experientia** 1984 Jun 15;40(6):579-81

Detection of anti-zona pellucida activities in human sera by the passive hemagglutination reaction. Kamada M, et al. **Fertil Steril** 1984 Jun;41(6):901-6

MHC control of autoimmune anti-TBM reaction in the Norway rat. Panczak A, et al. **Folia Biol (Praha)** 1983; 29(5):337-48

Association of immunoglobulin Gm allotypes with antiglomerular basement membrane antibodies and their titer. Rees AJ, et al. **Hum Immunol** 1984 Aug;10(4):213-20

Monoclonal autoantibody directed toward histone and capable of inducing LE cell formation. Miller MM, et al. **Hybridoma** 1983;2(2):201-9

In vitro synthesis of anticollagen IgG by sensitized lymph node cells derived from type II collagen-induced polyarthritic rats. Ridge SC, et al. **Immunopharmacology** 1984 Jun;7(3-4):195-9

Production of autoimmune liver damage in sheep. Khandpur AL, et al. **Indian J Pathol Microbiol** 1983 Oct;26(4):279-82

Autoantibody pattern in non-A, non-B hepatitis. Caredda F, et al. **Infection** 1984 Mar-Apr;12(2):91-4

Effects in mice of rat bromelain-treated RBC and lipopolysaccharide on autoantibody production against bromelain-treated isologous RBC. Cox KO, et al. **Int Arch Allergy Appl Immunol** 1983;72(4):325-9

Suppression of post-apheresis autoantibody rebound in cryoglobulinemia and cold agglutinin hemolytic anemia. L'Abbate A, et al. **Int J Artif Organs** 1983 Jul;6 Suppl 1:51-6

Plasma exchange and immunosuppressive drugs in the treatment of glomerulonephritis due to antibodies to the glomerular basement membrane. Pusey CD, et al. **Int J Artif Organs** 1983 Jul;6 Suppl 1:15-8

Antibodies to heterogeneous nuclear ribonucleoproteins in sera from patients with rheumatic autoimmune diseases. Zouali M, et al. **J Clin Immunol** 1984 May;4(3):209-19

Human upper epidermal cytoplasmic antibodies are directed against keratin intermediate filament proteins. Hintner H, et al. **J Clin Invest** 1983 Oct;72(4):1344-51

Human auto-antiidiotypes regulating T cell-mediated reactivity to tetanus toxoid. Saxon A, et al. **J Clin Invest** 1984 Feb;73(2):342-8

Distinction between epidermal antigens binding pemphigus vulgaris and pemphigus foliaceus autoantibodies. Stanley JR, et al. **J Clin Invest** 1984 Aug;74(2):313-20

The thyroid 'microsomal' antibody revisited. Its paradoxical binding in vivo to the apical surface of the follicular epithelium. Khoury EL, et al. **J Exp Med** 1984 Feb 1; 159(2):577-91

Characterization of proliferating cell nuclear antigen recognized by autoantibodies in lupus sera. Takasaki Y, et al. **J Exp Med** 1984 Apr 1;159(4):981-92

Antisperm antibodies in mouse vasectomy sera react with embryonal teratocarcinoma. Anderson DJ, et al. **J Immunol** 1983 Dec;131(6):2908-12

Murine hybridomas secreting natural monoclonal antibodies reacting with self antigens. Dighiero G, et al. **J Immunol** 1983 Nov;131(5):2267-72

Partial immunochemical characterization of the Ro and La proteins using antibodies from patients with the sicca syndrome and lupus erythematosus. Elkon KB, et al. **J Immunol** 1984 May;132(5):2350-6

Antibodies from patients with autoimmune disease react with a cytoplasmic antigen in the Golgi apparatus. Fritzler MJ, et al. **J Immunol** 1984 Jun;132(6):2904-8

Characterization of mouse and human monoclonal antibodies cross-reactive with SLE serum antibodies to guanosine. Weisbart RH, et al. **J Immunol** 1984 Jun;132(6):2909-12

A human monoclonal IgG1 with anti-idiotypic activity against anti-human thyroglobulin autoantibody. Zouali M, et al. **J Immunol** 1984 Jul;133(1):190-4

Antibodies to motor nerve terminals: an electrophysiological study of a human myasthenic syndrome transferred to mouse. Lang B, et al. **J Physiol (Lond)** 1983 Nov; 344:335-45

A comparison of serologic reactivity among SLE patients with or without anti-Ro (SS-A) antibodies. Bell DA, et al. **J Rheumatol** 1984 Jun;11(3):315-7

Anti-La/SSB antibody is present in some normal sera and is coincident with anti-Ro/SSA precipitins in systemic lupus erythematosus. Harley JB, et al. **J Rheumatol** 1984 Jun;11(3):309-14

Antibodies to cytoplasmic intermediate filaments in rheumatic diseases. Kurki P, et al. **J Rheumatol** 1983 Aug; 10(4):558-62

Antibody to the mitotic spindle apparatus: immunologic characteristics and cytologic studies. McCarty GA, et al. **J Rheumatol** 1984 Apr;11(2):213-8

Polymyositis associated with high titer antibody to cytoplasmic ribosomes [letter] McCrea JD, et al. **J Rheumatol** 1984 Jun;11(3):396-7

Auto-anti-anti-DNA antibodies from SLE patients and normals. Taniguchi O, et al. **J Rheumatol** 1984 Jun; 11(3):291-7

Fulminant fatal myositis associated with anti-ribonucleoprotein and anti-SM antibodies. Lichtenstein MJ, et al. **J Tenn Med Assoc** 1984 Jan; 77(1):9-11

Myasthenia gravis and the anti-idiotype theory of autoimmunity [letter] Bradley RJ. **Lancet** 1984 Feb 18; 1(8373):396

Neutropenia due to methyldopa antibodies [letter] Closs SP, et al. **Lancet** 1984 Jun 30;1(8392):1479

Autoantibodies are anti-idiotype antibodies to antiviral antibodies. Plotz PH. **Lancet** 1983 Oct 8;2(8354):824-6

Correlation between a learning disorder and elevated brain-reactive antibodies in aged C57BL/6 and young NZB mice. Nandy K, et al. **Life Sci** 1983 Oct 10; 33(15):1499-503

Is schizophrenia an immunologic receptor disorder? Fudenberg HH, et al. **Med Hypotheses** 1983 Sep; 12(1):85-93

Monoclonal antibody against a cross-reactive idiotypic determinant found on human autoantibodies with anti-I and -i specificities. Evans SW, et al. **Mol Immunol** 1983 Oct;20(10):1127-31

Multiple-organ autoimmunity [letter] Knight JG, et al. **Nature** 1984 Mar 22-28;308(5957):318

Anti-AChR antibodies, thymic histology, and T cell subsets in myasthenia gravis. Berrih S, et al. **Neurology (NY)** 1984 Jan;34(1):66-71

Human anti-idiotype antibodies in cancer patients: Is the modulation of the immune response beneficial for the patient? Koprowski H, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(1):216-9

Alloimmunization induces an autoantibody reactive with a common, cryptic antigen. Killion JJ. **Proc Soc Exp Biol Med** 1984 Jul;176(3):309-12

Immunological studies in demyelinating encephalitis associated with vaccinia virus and canine distemper virus infection. Steck AJ, et al. **Prog Brain Res** 1983;59:275-9

Absence of cross-reactive antibodies to myelin and viral antigens in multiple sclerosis. Bernard CC, et al. **Prog Clin Biol Res** 1984;146:215-22

Functional differences of anti-T-cell antibody in patients with systemic lupus erythematosus and ulcerative colitis. Abe T, et al. **Scand J Immunol** 1983 Dec;18(6):521-30

Arthritis in patients with antimitochondrial antibodies. Lauritsen K, et al. **Scand J Rheumatol** 1983;12(4):331-5

Autoantibodies to a 64-kilodalton islet cell protein precede the onset of spontaneous diabetes in the BB rat. Baekkeskov S, et al. **Science** 1984 Jun 22;224(4655):1348-50

Autoantibodies in juvenile arthritis. Moore TL, et al. **Semin Arthritis Rheum** 1984 May;13(4):329-36

Immunologically generated circulating anticoagulants in humans. Edwards RL, et al. **Surv Immunol Res** 1984; 3(1):64-9 (20 ref.)

Autoimmunity and the outer retina. Rahi AH, et al. **Trans Ophthalmol Soc UK** 1984;103 (Pt 4):428-37

Autoantibodies to nuclear, cytoplasmic, and cytoskeletal antigens in renal allograft rejection. McCarty GA, et al. **Transplantation** 1984 May;37(5):446-51

ABO-autoimmune hemolytic anemia in a renal transplant patient treated with cyclosporin. A case report. Nyberg G, et al. **Transplantation** 1984 May;37(5):529-30

Azapropazone-associated antibodies. Bird GW, et al. **Vox Sang** 1984;46(5):336-7

Use of preserved autologous red blood cells to absorb warm autoantibodies from the serum of patients receiving blood transfusion therapy. Reid ME, et al. **Vox Sang** 1984; 46(6):355-9

An anti-I cold auto-agglutinin enhanced in the presence of sodium azide. Reviron M, et al. **Vox Sang** 1984;46(4):211-6

Autoimmune thrombocytopenia: serological behavior of platelet antibodies. Ribera A, et al. **Vox Sang** 1983; 45(6):438-9

Red-cell auto-antibodies mimicking anti-Fyb specificity. van 't Veer MB, et al. **Vox Sang** 1984;47(1):88-91

Aging--immunologic changes--autoimmunity. Basu S. **Wis Med J** 1983 Sep;82(9):16-8

[A cytoplasmic antigen related to the cell cycle identified by a human autoimmune serum] Lagaye S, et al. **C R Seances Acad Sci [III]** 1984;298(9):249-52 (Eng. Abstr.) **(Fre)**

[Possible existence of autoantibodies against immunoglobulin allotypes in normal rabbits, and their relation to the expression of these allotypes] Seto A, et al. **C R Seances Acad Sci [III]** 1984;298(6):131-4 (Eng. Abstr.) **(Fre)**

[Peripheral neuropathy in Waldenstrom's macroglobulinemia. Antibody activity of monoclonal immunoglobulin M directed against vimentin] Dellagi K, et al. **Presse Med** 1984 May 5;13(19):1199-201 (Eng. Abstr.) **(Fre)**

[Reaction of anti-I auto-antibodies with erythrocytes from the pig and monkey] Reviron M, et al. **Rev Fr Transfus Immunohematol** 1984 Apr;27(2):155-67 (Eng. Abstr.) **(Fre)**

[Recent aspects of selected autoantibodies in patients with systemic lupus erythematodes and their clinical significance. III. RNA-fixing autoantibodies, ribonucleoprotein autoantibodies] Wollina U. **Allerg Immunol (Leipz)** 1983;29(4):191-9 (81 ref.) (Eng. Abstr.) **(Ger)**

[Goiter induced by thyroid growth stimulating antibodies? (letter)] Schatz H, et al. **Dtsch Med Wochenschr** 1983 Dec 9;108(49): 1895-6 **(Ger)**

[Antibodies against megakaryocytes in chronic idiopathic thrombocytopenic purpura in children] Koschel IW, et al. **Folia Haematol (Leipz)** 1984;111(3):350-9 (Eng. Abstr.) **(Ger)**

[Heterogeneity of acetylcholine receptor antibodies in patients with myasthenia gravis] Kalies I, et al. **Klin Wochenschr** 1984 Apr 16;62(8):377-85 (Eng. Abstr.) **(Ger)**

[Profile of autoimmune antibodies in idiopathic hypothyroidism and hypothyroidism following radio-iodine treatment in Basedow's disease: comparison with a group of normal subjects from the female population of Switzerland] Althaus B, et al. **Schweiz Med Wochenschr** 1983 Sep 17;113(37):1319-27 (Eng. Abstr.) **(Ger)**

[Influence of anti T3 autoantibody on free T3 measurements] Doi K, et al. **Kaku Igaku** 1984 Mar;21(3):263-7 **(Jpn)**

[IgA autoantibodies against smooth muscle endomysium; an immunological marker of enteropathy in Durhing's disease and celiac disease] Chorzelski T, et al. **Przegl Dermatol** 1984 Jan-Feb;71(1):1-10 (Eng. Abstr.) **(Pol)**

[Circulating antibodies to aortic elastin and their significance in human arteriosclerosis] Ivanovskii IuV, et al. **Patol Fiziol Eksp Ter** 1983 Jul-Aug;(4):61-4 (Eng. Abstr.) **(Rus)**

[Autoimmune processes in chronic adrenal insufficiency] Okeanova TA, et al. **Sov Med** 1983;(11):48-53 (60 ref.) **(Rus)**

[Autoimmune response in the serum of patients with cerebral gliomas] González C, et al. **Rev Clin Esp** 1984 Apr 15; 173(1):45-7 (Eng. Abstr.) **(Spa)**

[Autoimmune hemolytic anemia. Study of 50 cases] Carboni L, et al. **Sangre (Barc)** 1983;28(6):673-81 (Eng. Abstr.) **(Spa)**

[Circulating inhibitor of erythropoiesis in patients with acquired aplastic anemia] García Y, et al. **Sangre (Barc)** 1984;29(1):15-20 (Eng. Abstr.) **(Spa)**

ISOLATION & PURIFICATION

Islet cell cytoplasmic and surface antibodies' prevalence and beta cell specificity of islet cell surface antibodies in some subjects with putative islet cell autoimmunity. Keilacker H, et al. **Biomed Biochim Acta** 1984;43(5):657-61

Augmentation of autologous antibody to human melanoma following acid dissociation and ultrafiltration of serum. Kirkwood JM, et al. **Cancer Res** 1984 Sep;44(9):4177-82

Prevalence, testicular function and seminal parameters in men with sperm antibodies. Handelsman DJ, et al. **Clin Reprod Fertil** 1983 Mar;2(1):39-45

Isolation of a novel antibody, which precipitates ribonucleoprotein complex containing threonine tRNA from a patient with polymyositis. Okada N, et al.

Eur J Biochem 1984 Mar 15;139(3):425–9
Antihepatocyte antibodies and hepatitis [editorial] Edgington TS. Hepatology 1984 Mar–Apr;4(2):346–7
Liver membrane antibodies detected by immunoradiometric assay in acute and chronic virus–induced and autoimmune liver disease. Wiedmann KH, et al. Hepatology 1984 Mar–Apr;4(2):199–204
Demonstration of MISFI (molecules immunologically similar to fibrinogen) and fibrinogen antibody in various pathological studies using counter immunoelectrophoresis. Saoji AM, et al. Indian J Pathol Microbiol 1983 Apr; 26(2):89–98
Possible existence of anti–renal tubular plasma membrane autoantibody which blocked parathyroid hormone–induced phosphaturia in a patient with pseudohypoparathyroidism type II and Sjögren's syndrome. Yamada K, et al. J Clin Endocrinol Metab 1984 Feb;58(2):339–43
Anti–ribosomal ribonucleoprotein autoantibodies in systemic lupus erythematosus. Meroni PL, et al. J Clin Immunol 1984 Jan;4(1):45–54
Antibodies to a nuclear/nucleolar antigen in patients with polymyositis overlap syndromes. Reichlin M, et al. J Clin Immunol 1984 Jan;4(1):40–4
Identification and characterization of an apparent germline set of auto–anti–idiotypic regulatory B lymphocytes. Pollok BA, et al. J Immunol 1984 Jan;132(1):114–21
The natural history of factor VIII inhibitors in patients with hemophilia A. Gill FM. Prog Clin Biol Res 1984;150:19–29
Immunochemical characterization of factor VIII inhibitors. Hoyer LW, et al. Prog Clin Biol Res 1984;150:73–85
Clinical patterns of hemophilic patients who develop inhibitors. McMillan CW. Prog Clin Biol Res 1984; 150:31–44
DNA antibodies and complement in SLE patients. A follow–up study. Helve T, et al. Rheumatol Int 1983; 3(3):129–32
Quantitative evaluation of elution methods for red cell antibodies. Panzer S, et al. Vox Sang 1984;46(5):330–5
[Autoantibodies against the interspecific antigen of the erythrokaryocyte membrane in anemia and hemoblastoses] Etkin AF, et al. Ter Arkh 1984;56(6):99–103 (Rus)

PHARMACODYNAMICS

Rat liver histidyl–tRNA synthetase. Purification and inhibition by the myositis–specific anti–Jo–1 autoantibody. Yang DC, et al. Biochem Biophys Res Commun 1984 Apr 16;120(1):15–21

PHYSIOLOGY

Studies on natural antibodies and autoantibodies. Avrameas S, et al. Ann Immunol (Paris) 1983 Jul–Aug;134D(1):103–13 (24 ref.)
Immunopathology of pemphigus vulgaris, bullous pemphigoid and related bullous dermatoses. Patel HP, et al. Clin Immunol Rev 1983–84;2(2):157–86 (91 ref.)
Role of islet cell antibodies in the pathogenesis of type I diabetes. Brogren CH, et al. Curr Probl Clin Biochem 1983; 12:65–85 (52 ref.)
Anti–receptor antibodies mimic the effect of insulin to down–regulate insulin receptors in cultured human lymphoblastoid (IM–9) cells. Taylor SI, et al. J Clin Endocrinol Metab 1984 Jan;58(1):182–6
Antireceptor antibodies as probes of insulinlike growth factor receptor structure. Kasuga M, et al. J Clin Invest 1983 Oct;72(4):1459–69
Influence of thyroid autoantibodies on thyroid cellular growth in vitro. Risdall JE, et al. Mol Cell Endocrinol 1984 Mar;34(3):215–9
Antibodies that promote thyroid growth. A distinct population of thyroid–stimulating autoantibodies. Valente WA, et al. N Engl J Med 1983 Oct 27;309(17):1028–34
Ly–1 B cells: functionally distinct lymphocytes that secrete IgM autoantibodies. Hayakawa K, et al. Proc Natl Acad Sci USA 1984 Apr;81(8):2494–8
Autoimmunity and autoregulation. Transplant Proc 1983 Sep; 15(3):1849–78
[Development and biological significance of auto–antibodies] Wager O. Duodecim 1983;99(15):990–1000 (43 ref.) (Fin)
[Antibodies and regulation of bodily functions] Il'chevich NV. Fiziol Zh 1984 May–Jun;30(3):363–71 (Eng. Abstr.) (Rus)

AUTOANTIGENS see under ANTIGENS

AUTOGENIC TRAINING

Maximizing scarce resources: autogenic relaxation classes at a health centre. Medlik L, et al. Br J Med Psychol 1984 Jun;57 (Pt 2):181–5
Supportive psychotherapy combined with autogenous training in acute leukemic patients under isolation therapy. Foerster K. Psychother Psychosom 1984;41(2):100–5
[Value of autogenic training in the inpatient psychosomatic treatment of ulcerative colitis patients] Gotthardt J. Psychother Psychosom Med Psychol 1984 Feb;34(2):41–3 (Eng. Abstr.) (Ger)
[Autogenic training in generalized fibrositis] Perini C, et al. Schweiz Rundsch Med Prax 1984 Jan 31;73(5):129–32 (Eng. Abstr.) (Ger)
[Combination of autogenic training and group therapy. Contribution to a socially integrated psychotherapy] Barolin GS. ZFA (Stuttgart) 1983 Nov 20;59(32):1799–802 (Ger)
[Autogenic training in the treatment of arterial hypertension] Montebugnoli L, et al. Boll Soc Ital Cardiol 1982; 27(6):527–35 (Eng. Abstr.) (Ita)
[The blind and autogenic training] Carrozzini RL, et al. Minerva Med 1983 Sep 29;74(37):2159–61 (Eng. Abstr.) (Ita)
[Clinical experience in communication in autogenous psychotherapy and hypnosis] Eletti PL, et al. Minerva Med 1983 Dec 30;74(51–52):2957–64 (Eng. Abstr.) (Ita)
[Results of using autogenic training in hypertensive patients] Alvazian TA, et al. Kardiologiia 1984 Apr;24(4):88–91 (Eng. Abstr.) (Rus)
[Psychotherapy and balneotherapy in the treatment of children with neurodermatitis in a specialized health resort pioneer camp] Sivak VP. Vopr Kurortol Fizioter Lech Fiz Kult 1984 Mar–Apr; (2):63–4 (Rus)
[Exercise therapy combined with other methods of rehabilitation for patients with hypertension in occupational medicine] Vardimiadi ND, et al. Vopr Kurortol Fizioter Lech Fiz Kult 1984 May–Jun; (3):61–2 (Rus)

EDUCATION

[Triennial experience in group hypnosis therapy and the teaching of medical self–hypnosis] Cancellario M. Minerva Med 1983 Dec 30;74(51–52):2985–94 (Eng. Abstr.) (Ita)

METHODS

The relative efficacy of autogenic phrases and autogenic–feedback training in teaching hand warming to children. Kelton A, et al. Biofeedback Self Regul 1983 Sep; 8(3):461–75
[Sophrology and autogenic training] Zindel JP. Praxis 1983 Sep 13;72(37):1183–8 (Eng. Abstr.) (Ger)

AUTOGRAFT see TRANSPLANTATION, AUTOLOGOUS

AUTOIMMUNE DISEASES

see related
AUTOANTIBODIES
Altered balance of immunoregulatory T lymphocyte subsets in autoimmune thyroid diseases. Misaki T, et al. Acta Endocrinol (Copenh) 1984 Feb;105(2):200–4
Autoimmunity in Parkinson's disease. Pouplard A, et al. Adv Neurol 1984;40:307–13
Autoimmune oophoritis. Gloor E, et al. Am J Clin Pathol 1984 Jan;81(1):105–9
Autoimmune orchitis can be induced by thymic lymphocytes autosensitized against syngeneic sertoli cells in vitro. Tung PS, et al. Biol Reprod 1984 May;30(4):979–90
Autoimmune diseases in pregnancy. Clin Obstet Gynecol 1983 Sep;26(3):519–644
Immuno–morphologic correlations in chronic lymphocytic thyroiditis (CLT). Zosin I, et al. Endocrinologie 1983 Jul–Sep;21(3):197–202
A possible anti–D autosensitization in a D (Rh0) negative patient. Strada P, et al. Haematologica (Pavia) 1983 Sep–Oct;68(5):656–63
Autoimmune anhidrosis [letter] Person JR. J Am Acad Dermatol 1984 Jan;10(1):117
Pregnancy in a patient with type II polyendocrinopathy. A case report. Hadi HA, et al. J Reprod Med 1983 Aug; 28(8):547–50
Alopecia areata—an autoimmune disease? [editorial] Lancet 1984 Jun 16;1(8390):1335–6
Simmonds' disease following chronic sclerosing hypophysitis. Taşcă C, et al. Morphol Embryol (Bucur) 1983 Oct–Dec; 29(4):267–70
Autoimmune diseases of the kidney. Andres GA, et al. Proc Soc Exp Biol Med 1984 Jul;176(3):226–37 (80 ref.)
Natural history, clinical features, and treatment of autoimmune hepatitis. Czaja AJ. Semin Liver Dis 1984 Feb; 4(1):1–12
Immunosuppressant therapy of idiopathic thrombocytopenic purpura. Ahn YS, et al. Springer Semin Immunopathol 1984; 7(1):35–42 (49 ref.)
Autoimmunity and autoregulation. Transplant Proc 1983 Sep; 15(3):1849–78
[Spontaneous hypothyroidism in adults and autoimmunity: new findings] Linquette M, et al. Bull Acad Natl Med (Paris) 1983 Jan;167(1):53–8 (Eng. Abstr.) (Fre)
[The thyroid and autoimmunity] Linquette M, et al. LARC Med 1983 Aug–Sep;3(7):486–9 (Fre)
[Immunologic diseases of the endocrine system] Federlin K, et al. Internist (Berlin) 1984 Jan;25(1):28–36 (28 ref.) (Ger)
[Cellular basis and therapy of immunologic autoaggression] Wekerle H. Verh Dtsch Ges Herz Kreislaufforsch 1983; 49:111–5 (Ger)
[Acid elution method in dermatoses with suspected autoimmune pathogenesis. III. Acid elution on damaged skin of patients with lichen planus] Fattorossi A, et al. G Ital Dermatol Venereol 1983 Jul–Aug;118(4):203–6 (Eng. Abstr.) (Ita)
[Immunocirculating complexes, parameters in the follow–up of ocular diseases with an autoimmune component] Cernea P, et al. Rev Chir [Oftalmol] 1984 Jan–Mar;28(1):11–6 (Eng. Abstr.) (Rum)
[The autoimmune component in early menopause associated with Hashimoto's thyroiditis] Tiron V, et al. Rev Med Chir Soc Med Nat Iasi 1983 Apr–Jun;87(2):213–5 (Eng. Abstr.) (Rum)
[Clinical and pathogenic significance of vascular autoantibodies in systemic lupus erythematosus] Mitu S. Rev Med Interna [Med Interna] 1982 May–Jun;34(3):251–6 (Rum)
[Autoimmune juvenile polyendocrine (endocrine candidiasis) syndrome] Zefirova GS, et al. Ter Arkh 1983;55(12):87–91 (Rus)
[Round table: Chronic autoimmune hepatitis] Guma C, et al. Acta Gastroenterol Latinoam 1983;13(1):81–93 (Spa)

BLOOD

Beta 2m levels, autoimmune diseases, and interferon [letter] Schattner A. Arthritis Rheum 1984 Mar;27(3):358–9
Human cystatin, a new protein inhibitor of cysteine proteinases. Brzin J, et al. Biochem Biophys Res Commun 1984 Jan 13;118(1):103–9
Free thyroxin index and direct measurements of free thyroxin compared for evaluating postpartum autoimmune thyroid dysfunction. Jansson R, et al. Clin Chem 1984 Jun; 30(6):903–5
Differences in T–lymphocyte subpopulations between autoimmune dermato–polymyositis and dermato–polymyositis associated with malignancy [letter] Larocca LM, et al. Ital J Neurol Sci 1983 Sep;4(3):365–6
Identification of the SS–A/Ro intracellular antigen with autoimmune sera. Lieu TS, et al. J Immunol Methods 1984 Jul 6;71(2):217–28
[Study of plasma androgens in women with autoimmune diseases] Dougados M, et al. Rev Rhum Mal Osteoartic 1984 Mar;51(3):145–9 (Eng. Abstr.) (Fre)
[Case of insulin autoimmune syndrome associated with hyperglucagonemia] Morishita Y, et al. Nippon Naika Gakkai Zasshi 1983 May 10;72(5):629–35 (Jpn)
[Autoantibodies against the interspecific antigen of the erythrokaryocyte membrane in anemia and hemoblastoses] Etkin AF, et al. Ter Arkh 1984;56(6):99–103 (Rus)
[Significance of low molecular physiologically active substances in autoimmune diseases] Lysenko GI, et al. Vrach Delo 1983 Dec;(12):29–32 (Eng. Abstr.) (Rus)

CHEMICALLY INDUCED

Effects of prolonged administration of D–penicillamine or captopril in various strains of rats. Brown Norway rats treated with D–penicillamine develop autoantibodies, circulating immune complexes, and disseminated intravascular coagulation. Donker AJ, et al. Clin Immunol Immunopathol 1984 Jan;30(1):142–55
Autoimmune reactions and glomerulonephritis caused by heavy metals and other toxins. Weening JJ. Dev Toxicol Environ Sci 1983;11:211–8
Methimazole and insulin autoimmune syndrome [letter] Burden AC, et al. Lancet 1983 Dec 3;2(8362):1311
Methimazole and insulin autoimmune syndrome with hypoglycemia [letter] Hirata Y. Lancet 1983 Oct 29; 2(8357):1037–8
Involvement of hemostasis during an autoimmune glomerulonephritis induced by mercuric chloride in brown Norway rats. Michaud A, et al. Thromb Res 1984 Jan 1; 33(1):77–88
[Insulin autoimmune syndrome possibly due to methymazole treatment for Basedow's disease] Awaya Y, et al. Horumon To Rinsho 1983 Jun;31 Suppl:164–7 (Jpn)
[Presentation of a case of Graves' disease with neutropenia and splenomegaly: propylthiouracil–induced autoimmune neutropenia and review of the literature on the drug–induced lupus–like syndrome] Miyakawa M, et al. Nippon Naika Gakkai Zasshi 1984 Apr;73(4):538–45 (Jpn)
[Autoimmune and diabetogenic effects of bucarban] Zaks AS, et al. Farmakol Toksikol 1983 Jul–Aug;46(4):79–82 (Eng. Abstr.) (Rus)

COMPLICATIONS

Clinical characteristics and etiological markers in insulin–dependent diabetes associated with an organ–specific autoimmune disease. Prince MA, et al. Acta Diabetol Lat 1983 Jul–Sep;20(3):221–9
Uveitis complicating autoimmune chronic active hepatitis. Bloom JN, et al. Am J Dis Child 1983 Dec;137(12):1175–6
Polyglandular autoimmune syndromes. Trence DL, et al. Am J Med 1984 Jul;77(1):107–16 (110 ref.)
The prevalence of autoimmune disorders among patients with primary ovarian failure. Coulam CB. Am J Reprod Immunol 1983 Sep;4(2):63–6
The association of lichen sclerosus et atrophicus and autoimmune–related disease in males. Meyrick Thomas RH, et al. Br J Dermatol 1983 Dec;109(6):661–4
Ectodermal dysplasia associated with autoimmune disease. Hung SO, et al. Br J Ophthalmol 1984 May;68(5):367–9
Kaposi's sarcoma and autoimmune thrombocytopenia. Modlin RL, et al. Cancer Invest 1984;2(2):97–101
Role of cellular immunity in the pathogenesis of type I

diabetes. Gepts W. **Curr Probl Clin Biochem** 1983;12:86–107 (106 ref.)

Eosinophilic fasciitis. Report of a case with features of other autoimmune disease. Boiesen M, et al. **Dermatologica** 1983; 167(3):142–4

Thyroid autoimmunity and cardiovascular diseases. Aho K, et al. **Eur Heart J** 1984 Jan;5(1):43–6

Combined autoimmune neutro– and thrombocytopenia. Schneider H, et al. **Eur J Pediatr** 1984 Aug;142(3):216–9

The spectrum of chronic active liver disease. Kaplan MM. **Hosp Pract** 1983 Oct;18(10):67–76

Discoid lupus erythematosus in a patient with vitiligo and autoimmune thyroiditis. Callen JP. **Int J Dermatol** 1984 Apr;23(3):203–4

Viral and immunopathology in multiple sclerosis. Lewis SM. **J Neurosurg Nurs** 1983 Dec;15(6):346–9

Autoimmune pancytopenia of childhood associated with multisystem disease manifestations. Miller BA, et al. **J Pediatr** 1983 Dec;103(6):877–81

Abnormal growth in autoimmune chronic active hepatitis? Sharp HL, et al. **J Pediatr Gastroenterol Nutr** 1984; 3(1):9–11

Pregnancy outcome in diabetics with other endocrine disorders [letter] Cruickshanks KJ, et al. **Lancet** 1984 Mar 17;1(8377):629–30

Association between autoimmune thyroid disease, atopy, and urticaria? [letter] Moens HJ, et al. **Lancet** 1984 Sep 8; 2(8402):582–3

Autoimmunity and inner ear disorders: an immune–complex mediated sensorineural hearing loss. Veldman JE, et al. **Laryngoscope** 1984 Apr;94(4):501–7

Autoimmunity in a patient with 47,XXX karyotype. Michalak DP, et al. **Obstet Gynecol** 1983 Nov;62(5):667–9

Bleeding on patients with autoimmune thrombocytopenic purpura and normal platelet count. Cortelazzo S, et al. **Scand J Haematol** 1984 Apr;32(4):403–10

Gastric plasmacytoma and multisystem autoimmune disease. Nasu M, et al. **Virchows Arch [A]** 1984;404(1):109–15

[Association of polymyositis and auto–immune thyroiditis (letter)] Dahan V, et al. **Presse Med** 1984 Mar 3;13(9):563 **(Fre)**

[Association of autoimmune thyroiditis and myositis (letter)] Prigent F. **Presse Med** 1984 Jun 9;13(24):1518 **(Fre)**

[Tuberculosis in patients with malignant diseases, autoimmune diseases and immunosuppression] Haegi V, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:430–5 (Eng. Abstr.) **(Ger)**

[2 cases of contracted bladder and hydro–ureteronephrosis with generalized autoimmune phenomena] Isaka S, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 May;74(5):847–52 (Eng. Abstr.) **(Jpn)**

[Autoimmune aspects of pathogenesis of diabetes mellitus] Nakagawa S. **Rinsho Byori** 1984 Mar;32(3):255–9 **(Jpn)**

[Case of insulin autoimmune syndrome associated with prolonged CPK elevation] Nakano S, et al. **Rinsho Shinkeigaku** 1983 Sep;23(9):808–13 (Eng. Abstr.) **(Jpn)**

[Sjögren's syndrome: immunologic aspects and treatment] Głąb–Kordecka E. **Wiad Lek** 1983 Jul 1;36(13):1077–81 (46 ref.) **(Pol)**

DIAGNOSIS

Significance of a positive antinuclear antibody test in a pediatric population. Chudwin DS, et al. **Am J Dis Child** 1983 Nov;137(11):1103–6

Epidermolysis bullosa acquisita: an autoimmune disease with distinctive immunoultrastructural features. Woodley DT, et al. **Cutis** 1983 Dec;32(6):521–7

Application of immunofluorescent method for diagnosis of immune thrombocytopenic purpura. Chablani AT, et al. **Indian J Med Res** 1983 Sep;78:373–6

Profile of autoantibodies in human diseases. Burek CL. **Lab Res Methods Biol Med** 1983;8:101–20

The diagnosis and staging of hypocortisolism in progressing autoimmune adrenalitis. Leisti S, et al. **Pediatr Res** 1983 Nov;17(11):861–7

[Thyroid echography in chronic autoimmune lymphocytic thyroiditis] Espinasse P. **J Radiol** 1983 Oct;64(10):537–44 (Eng. Abstr.) **(Fre)**

[Possibilities for the use of immunofluorescence in clinical immunologic diagnosis] Storch W. **Acta Histochem [Suppl] (Jena)** 1984;30:89–92 (Eng. Abstr.) **(Ger)**

[Gardner–Diamond syndrome. Case Report] Lazzari GB, et al. **G Ital Dermatol Venereol** 1982 May–Jun;117(3):157–9 (Eng. Abstr.) **(Ita)**

[Immunofluorescence in the diagnosis of autoimmune diseases and other diseases of the immune system] Seelig HP. **Ric Clin Lab** 1983;13 Suppl 2:45–56 **(Ita)**

[Essential mixed cryoglobulinemia in the light of observed cases] Małdykowa H, et al. **Pol Tyg Lek** 1983 Nov 7; 38(45):1377–9 (Eng. Abstr.) **(Pol)**

[Mixed connective tissue disease. Clinico–immunological studies in 12 patients] Chwalińska–Sadowska H, et al. **Reumatologia** 1983;21(3–4):221–9 (Eng. Abstr.) **(Pol)**

[Differential diagnosis of autoimmune and atherosclerotic diseases of the arteries of the extremities] Koshkin VM, et al. **Klin Khir** 1984 Jul;(7):9–11 (Eng. Abstr.) **(Rus)**

[Autoimmune thyroiditis in children] Alekseeva RM, et al. **Pediatriia** 1983 Oct;(10):48–51 **(Rus)**

[Autoimmune thyroiditis (clinical aspects, diagnosis and treatment)] Spesivtseva VG. **Sov Med** 1983;(12):59–64 **(Rus)**

DIET THERAPY

Synthetic amino–acid diet prolongs survival in autoimmune murine disease. Batsford S, et al. **Clin Nephrol** 1984 Jan; 21(1):60–3

[Clinico–immunologic indices in chronic pancreatitis patients and changes in them during diet therapy] Kiseleva OA, et al. **Vopr Pitan** 1984 Jan–Feb;(1):21–6 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Thiabendazole–induced suppression of renal damage in a murine model of autoimmune disease. Elgebaly SA, et al. **Am J Pathol** 1984 May;115(2):204–11

Drug therapy in autoimmune diseases. Gabbe SG. **Clin Obstet Gynecol** 1983 Sep;26(3):635–41 (42 ref.)

Treatment of sperm autoimmunity in men. Baker HW, et al. **Clin Reprod Fertil** 1983 Mar;2(1):55–71

Relapse following treatment withdrawal in autoimmune chronic active hepatitis [letter] McCullough AJ, et al. **Hepatology** 1984 Jul–Aug;4(4):747–8

Corticosteroids in autoimmune disease. Fauci AS. **Hosp Pract** 1983 Oct;18(10):99–103, 107–18, 113–4

Effects of oral aspirin and oxaprozin on the development of lupus–like disease in MRL/1 mice. Carlson RP, et al. **J Immunopharmacol** 1984;6(1–2):69–78

Chronic hepatitis. Fitzgerald JF. **J Pediatr** 1984 Jun; 104(6):893–5

Treatment of autoimmune chronic active hepatitis in childhood. Maggiore G, et al. **J Pediatr** 1984 Jun; 104(6):839–44

Studies on antinephritic effect of mizoribine (p–INN, Bredinin), a new immunosuppressive agent, and azathioprine. (2) Effect on crescentic–type anti–GBM nephritis in rats. Okamoto K, et al. **Jpn J Pharmacol** 1984 Jan;34(1):33–41

Pepsin and autoimmune disease mouse. Ohnishi H. **Life Sci** 1983 Oct 24;33(17):1641–8

Cyclosporine. Effects in autoimmunity, viral and fungal infections. **Transplant Proc** 1983 Dec;15(4 Suppl 1–2):2897–930

[Current drug therapy of autoimmune diseases] Beris P, et al. **Presse Med** 1983 Nov 17;12(41):2587–91 (Eng. Abstr.) **(Fre)**

[Immunosuppressive therapy in congestive cardiomyopathy in childhood] Beitzke A, et al. **Monatsschr Kinderheilkd** 1984 Feb;132(2):116–20 (Eng. Abstr.) **(Ger)**

[Cyclosporin A—a new immunosuppressant] Robak T. **Pol Arch Med Wewn** 1984 Feb;71(2):127–34 (40 ref.) **(Pol)**

[Therapeutic value of levamisole in rheumatoid arthritis in the light of clinical and laboratory studies] Zielonka E, et al. **Reumatologia** 1983;21(3–4):299–304 (Eng. Abstr.) **(Pol)**

ENZYMOLOGY

Decreased ecto–5'–nucleotidase activity in rabbit lymphocytes during experimental lens–induced uveitis. Uusitalo H, et al. **Curr Eye Res** 1984 Mar;3(3):407–15

Augmentation of 12–lipoxygenase activity of lymph node and spleen T cells in autoimmune mice MRL/1. Kato K, et al. **Prostaglandins Leukotrienes Med** 1983 Nov;12(3):273–80

ETIOLOGY

Autoimmune neutropenia, hemolytic anemia, and reticulocytopenia in Hodgkin's disease. Weitberg AB, et al. **Ann Intern Med** 1984 May;100(5):702–3

Nutrition and immunity: the influence of diet on autoimmunity and the role of zinc in the immune response. Hansen MA, et al. **Annu Rev Nutr** 1982;2:151–77 (248 ref.)

Multiple autoimmune manifestations in a splenectomized subject with HLA–B8. Kleiner–Baumgarten A, et al. **Arch Intern Med** 1983 Oct;143(10):1987–9

Dietary fat and autoimmune disease [letter] Morrow WJ, et al. **Arthritis Rheum** 1983 Dec;26(12):1532

Prevalence, testicular function and seminal parameters in men with sperm antibodies. Handelsman DJ, et al. **Clin Reprod Fertil** 1983 Mar;2(1):39–45

Experimental erythrocyte autoimmunity. IV. Differential susceptibility to irradiation of suppressor cells for anti–rat RBC antibodies and suppressor cells for mouse RBC autoantibodies. Cox KO, et al. **Int Arch Allergy Appl Immunol** 1984;73(1):89–91

Nutritional factors and autoimmunity. IV. Dietary vitamin A deprivation induces a selective increase in IgM autoantibodies and hypergammaglobulinemia in New Zealand Black mice. Gershwin ME, et al. **J Immunol** 1984 Jul;133(1):222–6

Autoimmune disease developing after augmentation mammoplasty: report of 3 cases. Fock KM, et al. **J Rheumatol** 1984 Feb;11(1):98–100

Immunogenetic analysis of rheumatoid arthritis. Sasazuki T. **J Rheumatol** 1983 Nov;10 Suppl 10:54–8

Photocarcinogenesis and influence of UV radiation on autoimmune disease in NZB/N mice. Strickland PT. **JNCI** 1984 Aug;73(2):537–41

Indication of a possible role in a demyelinating neuropathy for an antigen shared between myelin and NK cells. Murray N, et al. **Lancet** 1984 Mar 31;1(8379):711–3

Antigen specific suppressor cell function in autoimmune chronic active hepatitis. Vento S, et al. **Lancet** 1984 Jun 2;1(8388):1200–4

Autoimmune thyroiditis. De Baets MH. **Surv Immunol Res** 1983;2(3):289–92

[Hypothesis on the basic immune disorders, the originating cause and the development of glomerulonephritis] Belovezhdov N. **Vutr Boles** 1984;23(3):39–48 (Eng. Abstr.) **(Bul)**

[Association of malignant histiocytosis and autoimmune thrombopenic purpura (letter)] Grosbois B, et al. **Presse Med** 1984 Jul 7;13(28):1747–8 **(Fre)**

[Association of thymoma and Hashimoto's thyroiditis. Fortuitous association or immunologic disease? (letter)] Sebillotte P, et al. **Presse Med** 1984 Feb 11;13(5):284–5 **(Fre)**

[Experimental autoimmune antiglomerular basement membrane (GBM) antibody induced glomerulonephritis (GN) by immunization with rat GBM antigen derived from Masugi nephritis in Wistar rats] Saito K, et al. **Nippon Jinzo Gakkai Shi** 1983 Nov;25(11):1299–315 (Eng. Abstr.) **(Jpn)**

[Pathogenetic significance of adenosine deaminase in autoimmune diseases] Sasaki S. **Nippon Seikeigeka Gakkai Zasshi** 1984 Feb;58(2):219–30 (Eng. Abstr.) **(Jpn)**

[Preliminary results of studies on the immunological causes of infertility] Horák S, et al. **Ginekol Pol** 1984 Jan; 55(1):29–33 (Eng. Abstr.) **(Pol)**

[Immunological aspects of infertility] Wawryk R, et al. **Ginekol Pol** 1983 Nov–Dec;54(11–12):723–8 (40 ref.) (Eng. Abstr.) **(Pol)**

[Clinical and immunological evaluation of choroiditis] Orzeł H. **Pol Tyg Lek** 1983 Jul 11–18;38(28–29):889–91 (Eng. Abstr.) **(Pol)**

[Principles of immunoregulation in autoimmune syndromes] Skotnicki AB. **Postepy Hig Med Dosw** 1983 Jul–Aug; 37(4):345–87 (142 ref.) (Eng. Abstr.) **(Pol)**

[Problems of pathogenesis and treatment of acute suppurative destruction of the lungs] Zakharov SN, et al. **Grudn Khir** 1984 May–Jun;(3):52–5 (Eng. Abstr.) **(Rus)**

[Role of various immunity factors in the pathogenesis of lactation mastitis] Fishchenko AIa, et al. **Khirurgiia (Mosk)** 1984 Jun;(6):42–5 (Eng. Abstr.) **(Rus)**

[Autoimmune polyendocrinopathic syndrome] Bodnar PN, et al. **Klin Med (Mosk)** 1984 Jun;62(6):22–5 (35 ref.) **(Rus)**

[Circulating antibodies to aortic elastin and their significance in human arteriosclerosis] Ivanovskiĭ IuV, et al. **Patol Fiziol Eksp Ter** 1983 Jul–Aug;(4):61–4 (Eng. Abstr.) **(Rus)**

[Role of immunologic mechanisms in diffuse connective tissue diseases] Levina SG. **Pediatriia** 1983 Nov;(11):7–9 (Eng. Abstr.) **(Rus)**

[Rheumatoid arthritis and peripheral immune pancytopenia as a sequela of posttransfusion hepatitis B (description of a case)] Aprosina ZG, et al. **Ter Arkh** 1983;55(10):25–9 (43 ref.) (Eng. Abstr.) **(Rus)**

[Role of virus–induced cytotoxic autoreactive T–lymphocytes and T–suppressors in the pathogenesis of an experimental infection in mice cause by the Langat virus] Khozinskiĭ VV, et al. **Vopr Virusol** 1984 May–Jun; 29(3):350–5 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Genetic complexity of autoimmune disorders: probability of multifactorial origin [letter] Conte WJ, et al. **Am J Med** 1984 Jan;76(1):A69, A75, A88

Linkage analysis in a large kindred with autosomal dominant transmission of polyglandular autoimmune disease type II (Schmidt syndrome). Butler MG, et al. **Am J Med Genet** 1984 May;18(1):61–5

Congenic autoimmune murine models of central nervous system disease in connective tissue disorders. Alexander EL, et al. **Ann Neurol** 1983 Aug;14(2):242–8

Genetic susceptibility to testicular autoimmunity: comparison between postthymectomy and postvasectomy models in mice. Kojima A, et al. **Biol Reprod** 1983 Aug;29(1):195–205

Mechanisms of polyclonal B–cell activation in autoimmune B6–lpr/lpr mice. Warren RW, et al. **Cell Immunol** 1984 Mar;84(1):22–31

Clinical and subclinical organ–specific autoimmune manifestations in type 1 (insulin–dependent) diabetic patients and their first–degree relatives. Betterle C, et al. **Diabetologia** 1984 Jun;26(6):431–6

A new mutation, gld, that produces lymphoproliferation and autoimmunity in C3H/HeJ mice. Roths JB, et al. **J Exp Med** 1984 Jan 1;159(1):1–20

Immunoglobulin (Gm) markers and alpha 1–antitrypsin (PI) types in rheumatoid arthritis and early onset chronic active hepatitis. Walsh LJ, et al. **J Immunogenet** 1984 Apr; 11(2):115–20

Genetic studies in NZB mice. VI. Association of autoimmune traits in recombinant inbred lines. Miller ML, et al. **J Immunol** 1984 Sep;133(3):1325–31

Influence of Y and X chromosomes on B cell responses in autoimmune prone mice. Rosenberg YJ, et al. **J Immunol** 1984 Mar;132(3):1261–4

Studies of congenic MRL–lpr/lpr.xid mice. Steinberg EB, et al. **J Immunol** 1983 Dec;131(6):2789–95

Association of autoimmune thyroiditis and HLA–DR5 in multiple family members. Sack J, et al. **J Pediatr** 1983 Nov; 103(5):758–60

Family studies in RA – the importance of HLA–DR4 and

of genes for autoimmune thyroid disease. Grennan DM, et al. **J Rheumatol** 1983 Aug;10(4):584–9
The genetics of the HLA system. McDevitt HO. **J Rheumatol** 1983 Nov;10 Suppl 10:50–3
V genes and autoimmune disease [letter] Adams DD. **Lancet** 1984 Aug 25;2(8400):463–4
Fluctuating islet-cell autoimmunity in unaffected relatives of patients with insulin-dependent diabetes. Spencer KM, et al. **Lancet** 1984 Apr 7;1(8380):764–6
The genetic predisposition to autoimmune disease. Adams DD. **NZ Med J** 1984 Sep 26;97(764):638–40
Genes and genetic mechanism in systemic lupus. Izui S, et al. **Surv Immunol Res** 1982;1(3):224–8 (17 ref.)
[Familial autoimmune pathology comprising 2 cases of primary biliary cirrhosis] Calès P, et al. **Gastroenterol Clin Biol** 1983 Oct;7(10):777–84 (Eng. Abstr.) **(Fre)**
[Associations of autoimmune diseases (letter)] Adoue D, et al. **Presse Med** 1984 Jun 23;13(26):1637 **(Fre)**
[Hereditary complement defects] Wahn V. **Monatsschr Kinderheilkd** 1983 Nov;131(11):765–72 (Eng. Abstr.) **(Ger)**
[Dual functioning of the genetic substrate as a possible biological cause of the development of autoimmune processes and malignant tumors] Lazarević M. **Srp Arh Celok Lek** 1983 Jun;111(6):865–8 **(Scc)**

IMMUNOLOGY

The distribution of immunoglobulin-containing cells in human autoimmune thyroiditis. Wilkin TJ, et al. **Acta Endocrinol (Copenh)** 1984 Aug;106(4):490–8
Interleukins in experimental autoimmune disease. Talal N, et al. **Adv Exp Med Biol** 1983;166:105–15
Experimental autoimmune nephropathies: induction and regulation. Druet P, et al. **Adv Nephrol** 1984;13:115–33 (68 ref.)
Autoimmune thrombocytopenic purpura: current concepts and recommended practices. Martin JN Jr, et al. **Am J Obstet Gynecol** 1984 Sep 1;150(1):86–96 (106 ref.)
Circulating immune complexes in pregnancy, preeclampsia, and autoimmune diseases: evaluation of Raji cell enzyme-linked immunosorbent assay and polyethylene glycol precipitation methods. Rote NS, et al. **Am J Obstet Gynecol** 1983 Oct 1;147(3):267–73
Experimental autoimmune glomerulonephritis induced by anti-glomerular basement membrane antibody. II. Effects of injecting heterologous, homologous, or autologous glomerular basement membranes and complete Freund's adjuvant into sheep. Steblay RW, et al. **Am J Pathol** 1983 Nov;113(2):125–33
Experimental autoimmune damage to rat male accessory glands. I. Transfer of autoimmune response by spleen cells. Depiante-Depaoli M, et al. **Am J Reprod Immunol** 1984 Jan–Feb;5(1):9–14
Experimental autoimmune damage to rat male accessory glands. II. T cell requirement in adoptive transfer of specific tissue damage. Pacheco-Rupil B, et al. **Am J Reprod Immunol** 1984 Jan–Feb;5(1):15–9
NIH conference: Primary biliary cirrhosis: a model autoimmune disease [clinical conference] James SP, et al. **Ann Intern Med** 1983 Oct;99(4):500–12
Combined short-term immunotherapy for experimental autoimmune myasthenia gravis. Pestronk A, et al. **Ann Neurol** 1983 Aug;14(2):235–41
A role of alpha-fetoprotein in autoimmune diseases. Abramsky O, et al. **Ann NY Acad Sci** 1983;417:108–16 (31 ref.)
Recent advances in the study of autoimmune endocrine diseases by the use of immunofluorescence. Bottazzo GF, et al. **Ann NY Acad Sci** 1983;420:275–80
Anti-idiotypic antibodies and autoantibodies. Zanetti M. **Ann NY Acad Sci** 1983;418:363–78
Role of autoimmunity in retinitis pigmentosa. Kumar M, et al. **Ann Ophthalmol** 1983 Sep;15(9):838–40
Etiopathogenesis of otosclerosis: a hypothesis. Yoo TJ. **Ann Otol Rhinol Laryngol** 1984 Jan–Feb;93(1 Pt 1):28–33 (47 ref.)
Antibodies to cellular antigens in Greek patients with autoimmune rheumatic diseases: anti-Ro(SSA) antibody a possible marker of penicillamine-D intolerance. Moutsopoulos HM, et al. **Ann Rheum Dis** 1984 Apr; 43(2):285–7
Multiple autoimmune endocrinopathy including pituitary adrenocorticotropic hormone cells? [letter] Saleh A. **Arch Intern Med** 1984 Jul;144(7):1505
Sjögren's syndrome in MRL/l and MRL/n mice. Hoffman RW, et al. **Arthritis Rheum** 1984 Feb;27(2):157–65
Autoreactivity to collagen in a murine lupus model. Phadke K, et al. **Arthritis Rheum** 1984 Mar;27(3):313–9
Leukocyte migration inhibition of buffy coats from patients with autoimmune thrombocytopenic purpura when exposed to normal platelets: modulation by transfer factor. Borkowsky W, et al. **Blood** 1984 Jan;63(1):83–7
The use of hybridomas to analyse autoimmunity. Isenberg DA, et al. **Br Med Bull** 1984 Jul;40(3):262–6 (49 ref.)
Autoimmune thyroid disease and pregnancy [letter] How J, et al. **Br Med J [Clin Res]** 1984 Jul 28;289(6439):253–4
A specific IgG in Graves' ophthalmopathy and its relation to retro-orbital and thyroid autoimmunity. Kendall-Taylor P, et al. **Br Med J [Clin Res]** 1984 Apr 21;288(6425):1183–6
Autoimmune thyroid disease and pregnancy [editorial] McGregor AM, et al. **Br Med J [Clin Res]** 1984 Jun 16; 288(6433):1780–1
Autoantibodies against human insulin. Wilkin TJ, et al. **Br Med J [Clin Res]** 1984 Feb 4;288(6414):349–52
Adoptive transfer of experimental autoimmune thyroiditis (EAT) in guinea pigs: requirement for Ia-positive antigen-presenting cells for in vitro activation of effector T cells. Braley-Mullen H, et al. **Cell Immunol** 1983 Oct 15;81(2):243–52
Immunoglobulin G-induced experimental chronic immune synovitis: cell-mediated immunity to native interstitial collagen molecules and their constituent polypeptide chains. Kresina TF, et al. **Cell Immunol** 1984 Sep; 87(2):504–16
Cloning of B cells from autoimmune MRL-lpr/lpr and MRL.xid mice. Pisetsky DS, et al. **Cell Immunol** 1984 Mar; 84(1):32–40
Distribution of anti-histone-antibody-secreting cells in NZB/NZW mice. Portanova JP, et al. **Cell Immunol** 1984 Sep;87(2):485–93
Age-dependent alterations of peritoneal exudate macrophages in autoimmune-prone and autoimmune-resistant mouse strains. Wustrow TP, et al. **Cell Immunol** 1984 Feb;83(2):321–9
Receptors, antibodies, and disease. Blecher M. **Clin Chem** 1984 Jul;30(7):1137–56 (204 ref.)
Increased frequency of HLA-DR3 and 5 in the syndromes of painless thyroiditis with transient thyrotoxicosis: evidence for an autoimmune aetiology. Farid NR, et al. **Clin Endocrinol (Oxf)** 1983 Dec;19(6):699–704
Binding of immunoglobulin-G from patients with thyroid autoimmune disease to normal T lymphocytes. Pacini F, et al. **Clin Endocrinol (Oxf)** 1983 Jul;19(1):29–37
Tracking of indium-111-oxine labelled lymphocytes in autoimmune thyroid disease. Pozzilli P, et al. **Clin Endocrinol (Oxf)** 1983 Jul;19(1):111–6
Transplacental transmission of antibodies to tubular basement membrane in guinea-pigs with autoimmune tubulointerstitial nephritis. Albini B, et al. **Clin Exp Immunol** 1984 Apr;56(1):153–8
Spectrotypic analysis of antibodies to acetylcholine receptors in experimental autoimmune myasthenia gravis. Bionda A, et al. **Clin Exp Immunol** 1984 Jul;57(1):41–50
Antibodies to liver membrane antigens in chronic active hepatitis (CAH). II. Specificity for autoimmune CAH. Frazer IH, et al. **Clin Exp Immunol** 1983 Oct;54(1):213–8
In vitro and in vivo reversal of thyroid epithelial polarity: its relevance for autoimmune thyroid disease. Hanafusa T, et al. **Clin Exp Immunol** 1984 Sep;57(3):639–46
Specificity of anti-type II collagen antibody response in rats. Kakimoto K, et al. **Clin Exp Immunol** 1984 Jul;57(1):57–62
Study of cellular immunity in experimental autoimmune hepatitis in mice. Mori Y, et al. **Clin Exp Immunol** 1984 Jul;57(1):85–92
In vitro and in vivo actions of acetylcholine receptor educated suppressor T cell lines in murine experimental autoimmune myasthenia gravis. Pachner AR, et al. **Clin Exp Immunol** 1984 Jun;56(3):659–68
Anti-perinuclear and rheumatoid factor in different forms of autoimmune thyroid disease. Scherbaum WA, et al. **Clin Exp Immunol** 1984 Mar;55(3):516–8
The role of the spleen in experimental autoimmune thyroiditis. Weetman AP, et al. **Clin Exp Immunol** 1984 Apr;56(1):135–42
Nonthyroid autoantibodies in obese strain (OS) chickens. Aichinger G, et al. **Clin Immunol Immunopathol** 1984 Jul; 32(1):57–69
Autoimmunity in spontaneous myasthenia gravis in dogs. Garlepp MJ, et al. **Clin Immunol Immunopathol** 1984 May; 31(2):301–6
Adoptive transfer of suppression of experimental allergic orchitis with lymphoid cells from antigen-pretreated guinea pigs. Hiramine C, et al. **Clin Immunol Immunopathol** 1984 Feb;30(2):202–13
Heterogeneity of oral tolerance defects in autoimmune mice. Miller ML, et al. **Clin Immunol Immunopathol** 1984 May; 31(2):231–40
An animal model of alloimmune thrombocytopenia. I. The role of the mononuclear phagocytic system (MPS). Mylvaganam R, et al. **Clin Immunol Immunopathol** 1984 May;31(2):163–70
A combination of necrosis of autologous thyroid gland and injection of lipopolysaccharide induces autoimmune thyroiditis. Okayasu I, et al. **Clin Immunol Immunopathol** 1984 Jun;31(3):344–52
The decreased growth rate of obese strain chicken thyroid cells provides in vitro evidence for a primary target organ abnormality in chickens susceptible to autoimmune thyroiditis. Truden JL, et al. **Clin Immunol Immunopathol** 1983 Nov;29(2):294–305
Immunopathology of pemphigus vulgaris, bullous pemphigoid and related bullous dermatoses. Patel HP, et al. **Clin Immunol Rev** 1983–84;2(2):157–86 (91 ref.)
Autoimmunity in immunopathology. Carpenter AB, et al. **Clin Lab Med** 1983 Dec;3(4):745–62 (41 ref.)
Use of monoclonal antibodies to study acetylcholine receptors from electric organs, muscle, and brain and the autoimmune response to receptor in myasthenia gravis. Lindstrom J, et al. **Cold Spring Harbor Symp Quant Biol** 1983;48 Pt 1:89–99
Autoimmune thyroid disease: an integrated concept of Graves' and Hashimoto's diseases. Selenkow HA, et al. **Compr Ther** 1984 Apr;10(4):48–56 (24 ref.)
Gardner-Diamond syndrome. Barba A, et al. **Dermatologica** 1983;167(6):314–6
Characterization by human autoantibody of a nuclear antigen related to the cell cycle. Barque JP, et al. **EMBO J** 1983; 2(5):743–9
Autoimmune thyroid disease: developments in our understanding. Weetman AP, et al. **Endocr Rev** 1984 Spring;5(2):309–55 (441 ref.)
Spontaneous production of interleukin 3 by T lymphocytes from autoimmune MRL/MP-lpr/lpr mice. Palacios R. **Eur J Immunol** 1984 Jul;14(7):599–605
The use of immunologic mutations as probes of cellular interactions and autoimmunity in New Zealand mice. Bray KR, et al. **Exp Cell Biol** 1984;52(1-2):85–96
Immunological abnormalities involving the thymus in ulcerative colitis and therapeutic effects of thymectomy. Tsuchiya M. **Gastroenterol Jpn** 1984 Jun;19(3):232–46
Liver membrane antibodies detected by immunoradiometric assay in acute and chronic virus-induced and autoimmune liver disease. Wiedmann KH, et al. **Hepatology** 1984 Mar-Apr;4(2):199–204
Autoimmune thyroid disease. Volpé R. **Hosp Pract [Off]** 1984 Jan;19(1):141–51, 155–8
Lymph node cells from rats with Heymann's nephritis produce in vitro autoantibodies directed against purified renal tubular antigen. de Heer E, et al. **Immunology** 1984 Aug;52(4):743–52
Defective regulation of the immune response to tetanus toxoid in Hashimoto's disease. Fawcett J, et al. **Immunology** 1984 Jul;52(3):525–8
Induction of immunoglobulin-secreting cells by 2-mercaptoethanol in in vitro culture of B cells from autoimmune mice. Fujiwara M, et al. **Immunology** 1984 Apr;51(4):801–8
Immunolocalization of complement component C9 on necrotic and non-necrotic muscle fibres in myositis using monoclonal antibodies: a primary role of complement in autoimmune cell damage. Morgan BP, et al. **Immunology** 1984 May;52(1):181–8
Study of autoimmune response to rat male accessory glands in rats born to immune mothers. Pistoresi-Palencia MC, et al. **Immunology** 1984 Sep;53(1):141–5
IgG subclass distribution of autoantibodies to DNA and to nuclear ribonucleoproteins in autoimmune diseases. Zouali M, et al. **Immunology** 1984 Mar;51(3):595–600
Nonspecific aortoarteritis—immunological studies. Kinare SG, et al. **Indian Heart J** 1983 Nov-Dec;35(6):337–40
Deficiency of the autologous mixed lymphocyte reaction in patients with autoimmune thyroid disease. Canonica GW, et al. **Int Arch Allergy Appl Immunol** 1984;73(2):137–40
Effects of anti-idiotypic immunizations on autoimmune uveitis induced with isologous lens proteins. Sunakawa M, et al. **Int Arch Allergy Appl Immunol** 1984;73(1):71–6
Autoimmune thyroid disease—antibodies that promote thyroid growth. Fine RM. **Int J Dermatol** 1984 Jun; 23(5):314–5
Cyclosporine-induced alterations of humoral response in experimental autoimmune uveitis. Chan CC, et al. **Invest Ophthalmol Vis Sci** 1984 Jul;25(7):867–70
Antinuclear and anticytoplasmic antibodies. Concepts and misconceptions. Sontheimer RD, et al. **J Am Acad Dermatol** 1983 Sep;9(3):335–43
Anti-protein kinase NII antibodies in rheumatic autoimmune diseases. Stetler DA, et al. **J Biol Chem** 1984 Feb 25; 259(4):2077–9
Intrathyroidal and circulating lymphocyte subsets in different stages of autoimmune postpartum thyroiditis. Jansson R, et al. **J Clin Endocrinol Metab** 1984 May;58(5):942–6
Surface markers and function of circulating thyroid autoantibody-producing cells. Mariotti S, et al. **J Clin Endocrinol Metab** 1984 Jan;58(1):18–24
Antigen-specific B-cell function in human autoimmune thyroiditis. De Bernardo E, et al. **J Clin Immuaol** 1983 Oct;3(4):392–8
Immunoregulatory cell subsets in Goodpasture's syndrome: evidence for selective T suppressor-cell depletion during active autoimmune disease. Ligler FS, et al. **J Clin Immunol** 1983 Oct;3(4):368–74
Correlation of peripheral T gamma and K lymphocytes in normal subjects and patients with autoimmune thyroid diseases. Mori H, et al. **J Clin Lab Immunol** 1983 Nov; 12(3):119–22
Effects of antithyroid drugs on lymphocyte proliferative responses to lectins: relationship between insulin autoimmune syndrome and methimazole. Okabe N, et al. **J Clin Lab Immunol** 1983 Aug;11(4):167–71
The tissue distribution of thyroglobulin-responsive B and T cells in experimental autoimmune thyroiditis (EAT). Weetman AP, et al. **J Clin Lab Immunol** 1984 Jun; 14(2):59–63
Obese strain (OS) chickens with spontaneous autoimmune thyroiditis have a deficiency in thymic nurse cells. Boyd RL, et al. **J Immunol** 1984 Feb;132(2):718–24
The isolation and functional characterization of autoimmune clones expressing inappropriate Ia. Cronin PS, et al. **J Immunol** 1984 Aug;133(2):822–9
Antibodies from patients with autoimmune disease react with a cytoplasmic antigen in the Golgi apparatus. Fritzler MJ, et al. **J Immunol** 1984 Jun;132(6):2904–8
Defective B cell tolerance induction in New Zealand black mice. I. Macrophage independence and comparison with other autoimmune strains. Goldings EA. **J Immunol** 1983

Dec;131(6):2630–4

Autoimmune effector cells. VI. Transfer of experimental allergic encephalomyelitis with spleen cells activated in mixed lymphocyte cultures. Hayosh NS, et al. **J Immunol** 1984 Oct;133(4):1943–5

Limiting dilution analysis of interleukin 2 and colony-stimulating factor producer cells in normal and autoimmune mice. Hefeneider SH, et al. **J Immunol** 1984 Apr;132(4):1863–8

In vitro immune response of cells of various lymphoid tissues in (NZB X NZW)F1 mice: evidence for abnormality of the mesenteric lymph node cells. Jung LK, et al. **J Immunol** 1984 Mar;132(3):1265–70

Immune reactivity and immunosuppressive intervention (TLI) in experimental nephritis. I. Immunopathologic correlates in the accelerated autologous form of nephrotoxic serum nephritis. Lowry RP, et al. **J Immunol** 1984 Feb;132(2):1001–6

Spontaneous production of colony-stimulating activity by splenic Mac-1 antigen-positive cells from autoimmune motheaten mice. McCoy KL, et al. **J Immunol** 1984 Jan; 132(1):272–6

Responsiveness of autoimmune and normal mice to nucleic acid antigens. Madaio MP, et al. **J Immunol** 1984 Feb; 132(2):872–6

Abnormal binding of soluble IgG immune complexes to hepatic nonparenchymal cells of autoimmune mice. Magilavy DB, et al. **J Immunol** 1983 Dec;131(6):2784–8

T lymphocyte line specific for thyroglobulin produces or vaccinates against autoimmune thyroiditis in mice. Maron R, et al. **J Immunol** 1983 Nov;131(5):2316–22

An association between susceptibility to experimental autoimmune uveitis and choroidal mast cell numbers. Mochizuki M, et al. **J Immunol** 1984 Oct;133(4):1699–701

Comparison of antigen-specific T cell responses in autoimmune MRL/Mp-lpr/lpr and MRL/Mp-+/+ mice. Scott CF Jr, et al. **J Immunol** 1984 Feb;132(2):633–9

Studies of lymphoproliferation in MRL-lpr/lpr mice. Smathers PA, et al. **J Immunol** 1984 Oct;133(4):1955–61

Unique surface phenotype of T cells in lymphoproliferative autoimmune MRL/Mp-lpr/lpr mice. Takei F. **J Immunol** 1984 Oct;133(4):1951–4

The proliferating cells in autoimmune MRL/1pr mice lack L3T4, an antigen on 'helper' T cells that is involved in the response to class II major histocompatibility antigens. Wofsy D, et al. **J Immunol** 1984 Jun;132(6):2686–9

Problems associated with the presence of immunofluorescent heterophile antibody in sera submitted for autoantibody screening. Scott-Morgan L, et al. **J Immunol Methods** 1984 Jan 20;66(1):69–74

Inhibition of experimentally induced autoimmunity in rats by biotin deficiency. Rabin BS. **J Nutr** 1983 Nov; 113(11):2316–22

Experimental auto-allergic sialoadenitis in male rats. Dean DH, et al. **J Oral Pathol** 1984 Feb;13(1):63–8

Immunochemical analyses of components of immune complexes in the sera of patients with autoimmune diseases. Ferraccioli G, et al. **J Rheumatol** 1983 Dec;10(6):881–8

Characterization of the antigen (gp600) of Heymann nephritis. Makker SP, et al. **Lab Invest** 1984 Mar; 50(3):287–93

Nephritogenic and non-nephritogenic epithelial antigens in autoimmune and passive Heymann nephritis. Miettinen A, et al. **Lab Invest** 1984 Apr;50(4):435–46

Biology of disease. Analysis of autoimmune demyelination: its impact upon multiple sclerosis. Raine CS. **Lab Invest** 1984 Jun;50(6):608–35 (206 ref.)

T cell receptors [editorial] **Lancet** 1984 Apr 7;1(8380):776

Role of aberrant HLA-DR expression and antigen presentation in induction of endocrine autoimmunity. Bottazzo GF, et al. **Lancet** 1983 Nov 12;2(8359):1115–9

Aberrant expression of HLA-DR antigen on thyrocytes in Graves' disease: relevance for autoimmunity. Hanafusa T, et al. **Lancet** 1983 Nov 12;2(8359):1111–5

Antigen-specific suppressor cell function and autoimmune diseases [letter] How J, et al. **Lancet** 1984 Aug 25; 2(8400):463

Class II antigen expression in autoimmune disease [letter] Taub F. **Lancet** 1984 Mar 10;1(8376):561

Anti-actin antibodies of IgM and IgG class in chronic liver diseases detected by fluorometric immunoassay. Wiedmann KH, et al. **Liver** 1983 Dec;3(6):369–76

Some recent advances in biology and diseases manifested by abnormal immune regulation. Vollertsen RS. **Med Hypotheses** 1984 May;14(1):41–9 (34 ref.)

Antibodies that promote thyroid growth. A distinct population of thyroid-stimulating autoantibodies. Valente WA, et al. **N Engl J Med** 1983 Oct 27;309(17):1028–34

Autoimmune human T lymphocytes specific for acetylcholine receptor. Hohlfeld R, et al. **Nature** 1984 Jul 19–25;310(5974):244–6

Multiple-organ autoimmunity [letter] Knight JG, et al. **Nature** 1984 Mar 22–28;308(5957):318

Severe ophthalmic Graves' disease and autoimmune thyroid disorders with different clinical expression. Van Ouwerkerk M, et al. **Neth J Med** 1983;26(7):176–80

Immunological reaction of the demyelinating Semliki Forest virus with immune serum to glycolipids and its possible importance to central nervous system viral auto-immune disease. Webb HE, et al. **Neuropathol Appl Neurobiol** 1984 Mar-Apr;10(2):77–84

Can viral envelope glycolipids produce auto-immunity, with reference to the CNS and multiple sclerosis? Webb HE, et al. **Neuropathol Appl Neurobiol** 1984 Jan-Feb;10(1):1–10

Autoimmune phenomena in infertile patients with endometriosis. Badawy SZ, et al. **Obstet Gynecol** 1984 Mar; 63(3):271–5

Type I diabetes mellitus: a chronic autoimmune disease? Rabinowe SL, et al. **Pediatr Clin North Am** 1984 Jun; 31(3):531–43 (63 ref.)

Human autoantibodies against desmosomes: possible causative factors in pemphigus. Jones JC, et al. **Proc Natl Acad Sci USA** 1984 May;81(9):2781–5

A monoclonal anti-platelet antibody with decreased reactivity for autoimmune thrombocytopenic platelets. Varon D, et al. **Proc Natl Acad Sci USA** 1983 Nov; 80(22):6992–5

Goodpasture antigen of the glomerular basement membrane: localization to noncollagenous regions of type IV collagen. Wieslander J, et al. **Proc Natl Acad Sci USA** 1984 Jun; 81(12):3838–42

The Ro small cytoplasmic ribonucleoproteins: identification of the antigenic protein and its binding site on the Ro RNAs. Wolin SL, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(7):1996–2000

Immunity to type II collagen in rheumatoid arthritis: a current appraisal. Trentham DE. **Proc Soc Exp Biol Med** 1984 Jun;176(2):95–104 (123 ref.)

Multiple sclerosis as a disease of immune regulation. Waksman BH, et al. **Proc Soc Exp Biol Med** 1984 Mar; 175(3):282–94 (129 ref.)

Autoimmune disease and viral infection. Fleming JO, et al. **Prog Brain Res** 1983;59:91–6

Immunospecific therapy of central nervous system autoaggression with an antigen-specific T cell line. Wekerle H. **Prog Clin Biol Res** 1984;146:435–41

Schizophrenia and viral and auto immune issues. Roos BE. **Psychopharmacol Bull** 1984 Summer;20(3):514–8

The association between autoimmunity and agnogenic myeloid metaplasia. Ben-Chetrit E, et al. **Scand J Haematol** 1983 Nov;31(5):410–2

Suppression of lymphoproliferation and auto-immunity by elimination of a radiosensitive bone marrow cell in mice bearing the lpr gene. Dauphinée MJ, et al. **Scand J Immunol** 1984 Apr;19(4):323–8

Type II collagen-induced autoimmune endolymphatic hydrops in guinea pig. Yoo TJ, et al. **Science** 1983 Oct 7;222(4619):65–7

Mechanisms of autoimmune liver disease. Meyer zum Büschenfelde KH, et al. **Semin Liver Dis** 1984 Feb; 4(1):26–35

Immunotherapy of thyroid cancer by induction of autoimmune thyroiditis. Gerfo PL, et al. **Surgery** 1983 Dec; 94(6):959–65

Autoimmune endocrine diseases. De Baets MH. **Surv Immunol Res** 1984;3(2–3):225–8

Humoral autoimmunity in insulin-dependent (type I) diabetes mellitus. A current assessment. Dobersen MJ. **Surv Immunol Res** 1982;1(4):329–38 (55 ref.)

The function of thymic reticuloepithelial cells in New Zealand mice. Minoda M, et al. **Thymus** 1983 Sep; 5(5–6):363–74

Autoantibodies, immune complexes and HLA-D in thyrogastric autoimmunity. Feldt-Rasmussen U, et al. **Tissue Antigens** 1983 Nov;22(5):342–7

Postpartum autoimmune thyroid disorder associated with HLA-DR4? Lervang HH, et al. **Tissue Antigens** 1984 Apr; 23(4):250–2

Autoimmune neutropenia. Lalezari P. **Vox Sang** 1984; 46(6):418–20

Immunologic factors in pathogenesis and treatment of human and animal diabetes. Naji A, et al. **World J Surg** 1984 Apr; 8(2):214–20

[Immunologic regulation from the viewpoint of the autoimmune state] Svoboda J. **Cas Lek Cesk** 1984 Apr 27; 123(17):501–5 (Eng. Abstr.) (Cze)

[Autoimmune thrombopenic purpura and pregnancy. Absence of thrombopenia in the newborn infant despite the presence of circulating IgG auto-antibody in the mother] Bierling P, et al. **Nouv Rev Fr Hematol** 1984; 26(3):163–7 (Eng. Abstr.) (Fre)

[Role of interleukins in autoimmunity] Fradelizi D, et al. **Presse Med** 1984 Mar 24;13(12):713–5 (Fre)

[Primary biliary cirrhosis and chronic autoimmune hepatitis. Results of cutaneous immunofluorescence (letter)] Lambert D, et al. **Presse Med** 1984 Feb 11;13(5):288 (Fre)

[Immunofluorescent optical detection of HBSAG in the human small intestine in chronic aggressive HBSAG-seronegative hepatitis with diarrhea] Storch W. **Acta Histochem (Jena)** 1983;73(2):227–35 (Eng. Abstr.) (Ger)

[Primary biliary liver cirrhosis] Sailer S, et al. **Acta Med Austriaca** 1983;10(4):101–6 (40 ref.) (Eng. Abstr.) (Ger)

[Mooren's clear ulcer as a possible autoimmune disease] Pau H, et al. **Klin Monatsbl Augenheilkd** 1983 Sep;183(3):192–4 (Eng. Abstr.) (Ger)

[Autoimmunologic phenomena in endocrinopathies – relevance to medical practice] Scherbaum WA. **Med Welt** 1984 Feb 17;35(7):199–203 (Ger)

[Profile of autoimmune antibodies in idiopathic hypothyroidism and hypothyroidism following radio-iodine treatment in Basedow's disease: comparison with a group of normal subjects from the female population of Switzerland] Althaus B, et al. **Schweiz Med Wochenschr** 1983 Sep 17;113(37):1319–27 (Eng. Abstr.) (Ger)

[Immunologic aspects in the pathogenesis of Dupuytren's contracture] Busse E, et al. **Zentralbl Chir** 1983; 108(14):855–64 (Eng. Abstr.) (Ger)

[Isoimmune neonatal neutropenia] Landman L, et al. **Harefuah** 1983 Jan 2;104(1):16–8 (Eng. Abstr.) (Heb)

[Angioimmunoblastic lymphadenopathy, chemically induced and in autoimmune diseases. A common immunopathologic mechanism?] Scolozzi R, et al. **Recenti Prog Med** 1983 Dec; 74(12):1385–94 (Eng. Abstr.) (Ita)

[Immune complexes in experimental autoimmune uveo-retinitis] Sakai J. **Nippon Ganka Gakkai Zasshi** 1983; 87(11):1288–99 (Eng. Abstr.) (Jpn)

[Antineutrophil opsonizing antibody in the sera of rabbits immunized with human neutrophils and in patients with autoimmune neutropenia] Saito K. **Nippon Ketsueki Gakkai Zasshi** 1983 Nov;46(6):1192–9 (Eng. Abstr.) (Jpn)

[IgA autoantibodies against smooth muscle endomysium; an immunological marker of enteropathy in Durhing's disease and celiac disease] Chorzelski T, et al. **Przegl Dermatol** 1984 Jan-Feb;71(1):1–10 (Eng. Abstr.) (Pol)

[Causes of the appearance of antinuclear antibodies in patients with rheumatoid arthritis (RA)] Chwalińska-Sadowska H, et al. **Reumatologia** 1983;21(2):113–20 (Eng. Abstr.) (Pol)

[Hypersensitive reactions and their significance in human pathology. Autoimmune diseases] Ageev AK. **Arkh Patol** 1983;45(11):22–9 (Eng. Abstr.) (Rus)

[Antibodies and regulation of bodily functions] Il'chevich NV. **Fiziol Zh** 1984 May-Jun;30(3):363–71 (Eng. Abstr.) (Rus)

[Immunologic shifts at different stages of coronary disease] Kitaev MI, et al. **Kardiologiia** 1984 Feb;24(2):86–9 (Eng. Abstr.) (Rus)

[Autoimmune reactions to peptide hormones in stomach and duodenal diseases] Malov IuS. **Klin Med (Mosk)** 1984 Feb; 62(2):88–92 (Rus)

[The basophil degranulation reaction as a method for detecting allergy and autoallergy to common chemical compounds] Vinogradov GI, et al. **Lab Delo** 1984; (6):339–41 (Eng. Abstr.) (Rus)

[Autoallergic reactions in chronic pancreatitis] Nosov GE, et al. **Vestn Khir** 1984 Jul;132(7):49–51 (Eng. Abstr.) (Rus)

[Autoallergy in uveal and retinal diseases] Slepova OS, et al. **Vestn Oftalmol** 1984 Jan-Feb;(1):59–65 (60 ref.) (Rus)

[Effect of hemosorption on various indicators of immunity in patients with allergic and autoimmune diseases] Lysenko GI, et al. **Vrach Delo** 1984 Jun;(6):49–54 (Eng. Abstr.) (Rus)

[Functional activity of natural killer cells in autoimmune processes in mice] Madzhidov AV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Oct;(10):65–7 (Eng. Abstr.) (Rus)

[Autoimmunity factor in chronic gastritis: incidence of antiparietal cell antibodies and their relation to antral histology and basal blood gastrins] Schraier M, et al. **Acta Gastroenterol Latinoam** 1983;13(1):31–44 (Eng. Abstr.) (Spa)

[Serum IgA levels in rheumatic diseases associated with autoimmune phenomena] Martínez RD. **Alergia** 1983 Apr; 30(2):61–5 (Eng. Abstr.) (Spa)

[Antithyroglobulin antibodies and autoimmune thyroiditis in man] Dobrew K, et al. **Allergol Immunopathol (Madr)** 1984 Mar-Apr;12(2):115–8 (Eng. Abstr.) (Spa)

[Humoral autoimmunity in a patient with sarcoidosis (letter)] de la Figuera von Wichmann M, et al. **Med Clin (Barc)** 1983 Sep 17;81(7):320 (Spa)

[A change in the expression of histocompatibility antigens could lead to autoimmunity] Pujol-Borrell R, et al. **Med Clin (Barc)** 1984 Apr 7;82(13):594–5 (Spa)

METABOLISM

Thyroglobulin uptake and presentation by macrophages in experimental autoimmune thyroiditis. Weetman AP, et al. **Immunology** 1983 Oct;50(2):315–8

[Disruption of hydrolytic decomposition of glycogens in the liver of rats with experimental autoimmune cardiomyopathies] Roze LV, et al. **Vopr Med Khim** 1983 Nov-Dec;29(6):117–20 (Eng. Abstr.) (Rus)

MICROBIOLOGY

Erythrocyte receptors for Mycoplasma pneumoniae are sialylated oligosaccharides of Ii antigen type. Loomes LM, et al. **Nature** 1984 Feb 9–15;307(5951):560–3

A reappraisal of the episome theory of autoimmune disease in the light of new evidence from various sources. Pease PE. **Riv Biol** 1984 Spring;77(1):13–33 (Eng, Ita)

OCCURRENCE

The prevalence and progression of autoimmune thyroid disease in the elderly. Lazarus JH, et al. **Acta Endocrinol (Copenh)** 1984 Jun;106(2):199–202

Autoimmune thyroid dysfunction in the postpartum period. Jansson R, et al. **J Clin Endocrinol Metab** 1984 Apr; 58(4):681–7

PATHOLOGY

A novel experimental system of organ-localized autoimmune diseases in the mouse. Nishizuka Y. **Acta Pathol Jpn** 1982; 32 Suppl 1:211-22 (39 ref.)

Immune complexes--pathogenetic factors of autoimmune systemic lupus erythematosus. Wollina U. **Allerg Immunol (Leipz)** 1984;30(1):3-13 (177 ref.)

Persistence of abnormal melanocytes in immunosuppressed chickens of the autoimmune 'DAM' line. Boissy RE, et al. **Cell Tissue Res** 1984;235(3):663-8

Pancreatic cellular infiltrates in autoimmune-prone New Zealand Black mice. Seemayer TA, et al. **Diabetologia** 1984 Apr;26(4):310-3

Involvement of the pineal gland in rats with experimental autoimmune uveitis. Mochizuki M, et al. **Invest Ophthalmol Vis Sci** 1983 Oct;24(10):1333-8

Post-mortem prevalence of lymphocytic infiltration of the lacrymal gland: a comparative study in autoimmune and non-autoimmune diseases. Nasu M, et al. **J Pathol** 1984 May;143(1):11-5

Atypical lymphoplasmacytic and immunoblastic proliferation in lymph nodes of patients with autoimmune disease (autoimmune-disease-associated lymphadenopathy). Koo CH, et al. **Medicine (Baltimore)** 1984 Sep;63(5):274-90

Relapsing polychondritis: an autoimmune disease. Giroux L, et al. **Semin Arthritis Rheum** 1983 Nov;13(2):182-7

[Combination of angioimmunoblastic lymphadenopathy and autoimmune atrophic thyroiditis (letter)] Chagnon A, et al. **Presse Med** 1984 May 26;13(22):1396 **(Fre)**

[Combination of subacute lupus erythematosus and autoimmune hyperlipidemia (letter)] de la Figuera M, et al. **Presse Med** 1984 May 26;13(22):1397 **(Fre)**

[Clinical manifestations and immunology of Sjögren's syndrome] Valero Gómez J, et al. **Alergia** 1983 Apr; 30(2):67-76 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Gangliosides, the thyrotropin receptor, and autoimmune thyroid disease. Lacetti P, et al. **Adv Exp Med Biol** 1984; 174:355-67

Autoimmunity: physiologic and pernicious. Cohen IR. **Adv Intern Med** 1984;29:147-65 (74 ref.)

Autoimmune polyglandular syndromes. Mathes-Alguire B, et al. **Am Fam Physician** 1984 Mar;29(3):149-52

Endolymphatic sac: possible role in autoimmune sensorineural hearing loss. Leone CA, et al. **Ann Otol Rhinol Laryngol** 1984 May-Jun;93(3 Pt 1):208-9

Adverse effects of interferon in virus infections, autoimmune diseases and acquired immunodeficiency. Vilček J. **Prog Med Virol** 1984;30:62-77 (56 ref.)

[Changes in membrane receptors during various pathophysiological states] Klenerová V, et al. **Cesk Fysiol** 1984;33(2):130-7 (53 ref.) **(Cze)**

PREVENTION & CONTROL

The effects of female sex steroids on the development of autoimmune thyroiditis in thymectomized and irradiated rats. Ansar Ahmed S, et al. **Clin Exp Immunol** 1983 Nov; 54(2):351-8

Inhibition of autoimmune hepatitis with hot labelled liver specific antigen. Fehér J, et al. **Clin Exp Immunol** 1984 Feb;55(2):360-8

The anti-arthritic and immunosuppressive effects of cyclosporine on arthritis induced in the rat by type II collagen. Henderson B, et al. **Clin Exp Immunol** 1984 Jul; 57(1):51-6

Marked reduction of DNA antibody production and glomerulopathy in thymulin (FTS-Zn) or cyclosporin A treated (NZB X NZW) F1 mice. Israel-Biet D, et al. **Clin Exp Immunol** 1983 Nov;54(2):359-65

Long term administration of cyclophosphamide in MRL/1 mice. I. The effects on the development of immunological abnormalities and lupus nephritis. Shiraki M, et al. **Clin Exp Immunol** 1984 Feb;55(2):333-9

Controlled trial of a thymic hormone extract (Thymostimulin) in 'autoimmune' chronic active hepatitis. Hegarty JE, et al. **Gut** 1984 Mar;25(3):279-83

PSYCHOLOGY

Pathological mourning: a key factor in the psychopathogenesis of autoimmune disorders. A special contribution. Paulley JW. **Psychother Psychosom** 1983; 40(1-4):181-90

THERAPY

The use and mechanism of action of intravenous immunoglobulin in the treatment of immune haematologic disease. Bussel JB, et al. **Br J Haematol** 1984 Jan;56(1):1-7 (28 ref.)

Computer simulation of plasma exchange therapy in autoimmune disease. Griswold WR, et al. **Int J Biomed Comput** 1984 Mar-Apr;15(2):151-8

Plasmapheresis combined with lymphocytapheresis and cytotoxic drugs as a therapeutic modality in neuroimmunological diseases. Valbonesi M, et al. **Ital J Neurol Sci** 1984 Mar;5(1):35-40

Nature of autoimmune disease sought through treatment [news] Zoler ML. **JAMA** 1984 Mar 2;251(9):1125-7

Thymectomy in polymyositis [letter] **Lancet** 1984 Mar 17; 1(8377):626-7

Anti-idiotypes for the clinician [editorial] **Lancet** 1984 Aug 25;2(8400):440-1

Thymectomy for autoimmune disease other than rheumatoid arthritis [letter] Harati Y, et al. **Lancet** 1984 Apr 7; 1(8380):792

Benefit of thymectomy in immune diseases other than myasthenia [letter] Szobor A. **Lancet** 1984 Feb 4; 1(8371):277-8

Practical versus theoretical management of autoimmune inner ear disease. Hughes GB, et al. **Laryngoscope** 1984 Jun; 94(6):758-67

Intravenous IgG for autoimmune thrombocytopenia in pregnancy [letter] Newland AC, et al. **N Engl J Med** 1984 Jan 26;310(4):261-2

Diabetes--a possible autoimmune disease [news] Marx JL. **Science** 1984 Sep 21;225(4668):1381-3

Immunosuppressive therapy in the treatment of autoimmune diseases. Miescher PA, et al. **Springer Semin Immunopathol** 1984;7(1):69-90 (40 ref.)

Twenty-five years of immunosuppression. Schwartz RS. **Springer Semin Immunopathol** 1984;7(1):3-7 (27 ref.)

Islet transplantation in autoimmune diabetes mellitus. Weber C, et al. **Transplant Proc** 1984 Jun;16(3):845-8

Recurrence of autoimmune chronic active hepatitis following orthotopic liver grafting. Neuberger J, et al. **Transplantation** 1984 Apr;37(4):363-5

Plasma exchange in autoimmune thrombocytopenic purpura. Cotter FE, et al. **Vox Sang** 1983;45(3):197-204

[Therapeutic plasma exchange: indications and results] Roujeau JC, et al. **Ann Med Interne (Paris)** 1984; 135(4):308-27 (187 ref.) **(Fre)**

[Treatment of chronic autoimmune thrombopenic purpura with intravenous immunoglobulins. Study of 18 cases] Janvier M, et al. **Nouv Rev Fr Hematol** 1983;25(4):253-7 (Eng. Abstr.) **(Fre)**

[Immunosuppressive therapy] Schumacher K, et al. **Internist (Berlin)** 1984 Jan;25(1):51-9 (73 ref.) **(Ger)**

[Plasma exchange therapy in dermatologic diseases. Review of literature and personal experiences in psoriasis vulgaris] Klemm-Mayer H, et al. **Z Hautkr** 1983 Aug 1; 58(15):1085-94 (27 ref.) (Eng. Abstr.) **(Ger)**

[Therapeutic effectiveness of the immuno stimulating extract of the calf thymus (TFX-Polfa) in cases of acute dermatomyositis] Stasiak A, et al. **Pol Tyg Lek** 1983 Mar 28;38(13):389-92 (Eng. Abstr.) **(Pol)**

[Multiple sclerosis--immunopathogenesis, traditional therapeutic strategy and suggested combined immunotherapy] Skotnicki AB, et al. **Postepy Hig Med Dosw** 1983 Jan-Feb;37(1):1-32 (137 ref.) (Eng. Abstr.) **(Pol)**

[Treatment of autoimmune diseases of the arteries of the extremities with infusions of autohemolysate] Savel'ev VS, et al. **Klin Khir** 1984 Jul;(7):6-9 (Eng. Abstr.) **(Rus)**

[Plasmapheresis in the treatment of diseases caused by immunologic pathology] Gorodetskiĭ VM, et al. **Ter Arkh** 1984;56(6):19-23 (Eng. Abstr.) **(Rus)**

[Successful results in the interferon therapy of autoimmune disease in NZB/W strain mice] Barinskiĭ IF, et al. **Vopr Virusol** 1984 Jan-Feb;29(1):38-42 (Eng. Abstr.) **(Rus)**

VETERINARY

Immune-mediated diseases of the blood. Dodds WJ. **Adv Vet Sci Comp Med** 1983;27:163-96 (58 ref.)

Michel's medium as a preservative for immunofluorescent staining of cutaneous biopsy specimens in dogs and cats. Caciolo PL, et al. **Am J Vet Res** 1984 Jan;45(1):128-30

Detection of canine antisperm antibodies by indirect immunofluorescence and gelatin agglutination. Rosenthal RC, et al. **Am J Vet Res** 1984 Feb;45(2):370-4

Autoimmune disease in the dog. Bennett D. **In Pract** 1984 May;6(3):74-86, 93

Lymphosarcoma and associated immune-mediated hemolytic anemia and thrombocytopenia in horses. Reef VB, et al. **J Am Vet Med Assoc** 1984 Feb 1;184(3):313-7

Autoimmune skin disease of large animals. George LW, et al. **Vet Clin North Am [Large Anim Pract]** 1984 Mar; 6(1):79-86

High incidence of neoplasms in female NZB/NZW mice treated with pulse doses of cyclophosphamide. Walker SE, et al. **Vet Immunol Immunopathol** 1983 Nov;5(1):97-104

Diagnosis of autoimmune skin disease in the dog: correlation between histopathologic, direct immunofluorescent and clinical findings. Werner LL, et al. **Vet Immunol Immunopathol** 1983 Nov;5(1):47-64

[Neuroimmunological diseases in domestic animals] Vandevelde M, et al. **DTW** 1983 Aug 8;90(8):310-3 (32 ref.) (Eng. Abstr.) **(Ger)**

AUTOKINETIC EFFECT see under **ILLUSIONS**

AUTOLYSIS

[Detection of antigen D of the Rhesus system in the organs and tissues of decomposed cadavers by the absorption-elution method] Biochinskaia LM. **Sud Med Ekspert** 1984 Apr-Jun;27(2):41-3 (Eng. Abstr.) **(Rus)**

[Various enzymatic aspects of postmortem autolysis] Rebrov LB, et al. **Vestn Akad Med Nauk SSSR** 1983;(10):82-9 (112 ref.) **(Rus)**

METABOLISM

Intraspecific recognition system in scleractinian corals: morphological and cytochemical description of the autolysis mechanism. Müller WE, et al. **J Histochem Cytochem** 1984 Mar;32(3):285-8

PATHOLOGY

Comparative biochemistry and fine structure of atrial and ventricular myocardium during autolysis in vitro. Armiger LC, et al. **Basic Res Cardiol** 1984 Mar-Apr;79(2):218-29

AUTOMATIC DATA PROCESSING

ARMA - filtering of evoked potentials. Heinze HJ, et al. **Methods Inf Med** 1984 Jan;23(1):29-36

[Role of medical information processing for quality assurance in obstetrics] Selbmann HK. **Geburtshilfe Frauenheilkd** 1983 Jun;43 Suppl 1:82-6 (Eng. Abstr.) **(Ger)**

[Automatic data recording and analysis of motor activities in the open-field test] Harms K, et al. **Z Versuchstierkd** 1984;26(2):77-9 (Eng. Abstr.) **(Ger)**

[All-purpose data base management system (HDM) with statistical analytic functions and its expansive medical application] Kambe M, et al. **Iyodenshi To Seitai Kogaku** 1983 Aug;21(4):247-51 (Eng. Abstr.) **(Jpn)**

[Automated information-dispatching system at the Kiev emergency care station] Usichenko II, et al. **Vrach Delo** 1983 Jul;(7):108-10 **(Rus)**

METHODS

[Estimation of lipoproteins using an analytical ultracentrifugal automatic data processor and its clinical application] Hirabaru K. **Rinsho Byori** 1983 Jul; 31(7):745-62 **(Jpn)**

[Methodological approaches to a complex of interrelated problems in an automated system for managing epidemic control work. II. An assessment of the dynamics of the epidemic process] Narkevich MI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Oct;(10):38-43 **(Rus)**

STANDARDS

[Value of computers in health care--a clinical consideration. Risk to the majority of consumers of being left behind] Giesecke J. **Lakartidningen** 1984 Jun 27;81(26-27):2626-8 **(Swe)**

TRENDS

[Data processing and psychiatry: future prospects and limitations] Louvel E, et al. **Ann Med Psychol (Paris)** 1984 Mar;142(3):385-92 **(Fre)**

[Basic electronics for clinical practice and laboratory. IV. Basic measurement and analysis procedures] Yamamura T, et al. **Masui** 1983 Jun;32(6):751-7 (Eng. Abstr.) **(Jpn)**

AUTOMATIC DATA PROCESSING, COMPUTER see **COMPUTERS**

AUTOMATION

see related

AUTOANALYSIS

Robots could slice into manpower needs. **Hospitals** 1984 Apr 1;58(7):54

Closing the loop: how near is automated anesthesia? Kraft HH, et al. **South Med J** 1984 Jan;77(1):7-12

[Automation of immunoglobulin determination and related problems] Miura H, et al. **Rinsho Byori** 1983 Aug; 31(8):802-8 **(Jpn)**

[Evaluation of the processes of mechanization and automation at industrial plants from the point of view of occupational hygiene] Iakimova LD. **Gig Tr Prof Zabol** 1984 Jun;(6):1-4 (Eng. Abstr.) **(Rus)**

[The role of robots in improving working conditions] Tsutskov ME. **Gig Tr Prof Zabol** 1984 Apr;(4):1-6 (Eng. Abstr.) **(Rus)**

INSTRUMENTATION

An integrated system for the automation of the clinical chemistry laboratory. Dossi G, et al. **Ric Clin Lab** 1983 Jul-Sep;13(3):353-66

STANDARDS

Detection of abnormal cells in white cell differentials: comparison of the HEMATRAK automated system with manual methods. Rock WA Jr, et al. **Am J Clin Pathol** 1984 Feb;81(2):233-6

AUTOMATISM

Epilepsy and insanity [letter] Fenwick P, et al. **Lancet** 1984 Sep 1;2(8401):528-9

COMPLICATIONS

[Psychopathologic mechanisms of the suicidal actions of progressive paranoid schizophrenics with the Kandinskii syndrome] Guliamov MG, et al. **Zh Nevropatol Psikhiatr** 1984;84(1):81-8 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

Diabetes mellitus and criminal responsibility. Maher G, et al. **Med Sci Law** 1984 Apr;24(2):95–101

AUTOMOBILE DRIVER EXAMINATION

Diabetes screening [letter] Beaven DW. **NZ Med J** 1984 Sep 26;97(764):659

[The driver's license and epilepsy. Possibilities for liberalization?] Spatz R, et al. **MMW** 1983 Nov 4; 125(44):999–1002 (Eng. Abstr.) **(Ger)**

[Effectiveness of training of automobile drivers using methods of psychophysiological examination] D'iakonov IF, et al. **Voen Med Zh** 1983 Aug;(8):50–1 **(Rus)**

[Methods of testing the training of motor vehicle drivers] Mishurin VM. **Voen Med Zh** 1983 Jul;(7):49–51 **(Rus)**

AUTOMOBILE DRIVING

see related
ACCIDENTS, TRAFFIC

Perception and eye movements in simulated traffic situations. Luoma J. **Acta Ophthalmol [Suppl] (Copenh)** 1984; 161:128–34

The effects of zimeldine and amitriptyline on car driving and psychomotor performance. Hindmarch I, et al. **Acta Psychiatr Scand [Suppl]** 1983;308:141–6

Assessment and training of brain-damaged drivers. Jones R, et al. **Am J Occup Ther** 1983 Nov;37(11):754–60

Bioptic telescopic spectacle is a hazard for operating a motor vehicle. Fonda G. **Arch Ophthalmol** 1983 Dec; 101(12):1907–8

Bioptic telescopic spectacle: a hazard for operating a motor vehicle [letter] Tallman CB. **Arch Ophthalmol** 1984 Aug; 102(8):1119–20

Improved driving performance following perceptual training in persons with brain damage. Sivak M, et al. **Arch Phys Med Rehabil** 1984 Apr;65(4):163–7

Effects of two antihistamine drugs on actual driving performance. Betts T, et al. **Br Med J [Clin Res]** 1984 Jan 28;288(6413):281–2

Effects of two antihistamine drugs on actual driving performance [letter] Cohen AF, et al. **Br Med J [Clin Res]** 1984 Mar 24;288(6421):935

Why seat belt legislation is legal. Rozovsky LE, et al. **Can J Public Health** 1984 Jan–Feb;75(1):103–4

Sudden death while driving. Kerwin AJ. **Can Med Assoc J** 1984 Aug 15;131(4):312–4

Drink-driving—the nexus between social attitudes, social action and research directions. Johnston IR. **Community Health Stud** 1984;8(2):229–33

Retention of driving-under-the-influence offenders in alcoholism treatment. Steer RA. **Drug Alcohol Depend** 1983 Aug;12(1):93–6

Drivers' immediate responses to traffic signs. Summala H, et al. **Ergonomics** 1984 Feb;27(2):205–16

Driving ability following the subchronic application of lormetazepam, flurazepam and placebo. Willumeit HP, et al. **Ergonomics** 1983 Nov;26(11):1055–61

Driving and the combined use of drugs and alcohol in The Netherlands. Neuteboom W, et al. **Forensic Sci Int** 1984 Jun;25(2):93–104

Coronary heart disease risk factors in bus and truck drivers. A controlled cohort study. Hartvig P, et al. **Int Arch Occup Environ Health** 1983;52(4):353–60

The effects of midazolam in conjunction with alcohol on sleep, psychomotor performance and car driving ability. Hindmarch I, et al. **Int J Clin Pharmacol Res** 1983; 3(5):323–9

Mobility for the disabled patient. Goodwill CJ. **Int Rehabil Med** 1984;6(1):iii–iv

Driving after stroke. Wilson T, et al. **Int Rehabil Med** 1983; 5(4):170–7

Correlates of the Michigan Alcoholism Screening Test (MAST) among DWI offenders. Zung BJ. **J Clin Psychol** 1984 Mar;40(2):607–12

Malignant lymphomas and road transport workers [letter] Balarajan R, et al. **J Epidemiol Community Health** 1983 Dec;37(4):316

Malignant lymphomas in road transport workers. Balarajan R. **J Epidemiol Community Health** 1983 Dec;37(4):279–80

Medical professionals helping with the drunk driving problem. Onder JJ. **J Fla Med Assoc** 1984 Apr;71(4):255–60

Drugs and driving: a systematic analytical approach. Crouch DJ, et al. **J Forensic Sci** 1983 Oct;28(4):945–56

Detection of drugs in saliva of impaired drivers. Peel HW, et al. **J Forensic Sci** 1984 Jan;29(1):185–9

Hemolyzed blood and serum levels of delta 9-THC: effects on the performance of roadside sobriety tests. Reeve VC, et al. **J Forensic Sci** 1983 Oct;28(4):963–71

Measurement of delta 9-tetrahydrocannabinol (THC) in whole blood samples from impaired motorists. Zimmerman EG, et al. **J Forensic Sci** 1983 Oct;28(4):957–62

Blood-injury phobia: a 'reasonable excuse' for failing to give a specimen in a case of suspected drunken driving. Gudjonsson GH, et al. **J Forensic Sci Soc** 1983 Jul; 23(3):197–201

Drunk driving: physicians can and must make the difference. Du Bois MB. **J Indiana State Med Assoc** 1983 Sep; 76(9):604–5

Changes in attributions made by individuals charged with driving while intoxicated. Pipes RB, et al. **J Soc Psychol** 1983 Oct;121(1st Half):39–44

Drinking behavior, personality factors and high-risk driving. A review and theoretical formulation. Donovan DM, et al. **J Stud Alcohol** 1983 May;44(3):395–428

The Life Activities Inventory as a countermeasure for driving while intoxicated. Neff RL, et al. **J Stud Alcohol** 1983 Sep; 44(5):755–69

The effectiveness of deferred prosecution for driving while intoxicated. Salzberg PM, et al. **J Stud Alcohol** 1983 Mar; 44(2):299–306

Relationship between the NIAAA Impairment Index and the Mortimer-Filkins Interview for repeat drunken-driving offenders. Steer RA, et al. **J Stud Alcohol** 1983 May; 44(3):555–8

The effects of alcohol, marihuana and their combination on driving ability. Sutton LR. **J Stud Alcohol** 1983 May; 44(3):438–45

Stress experiences and drinking histories of elderly drunken-driving offenders. Wells-Parker E, et al. **J Stud Alcohol** 1983 May;44(3):429–37

Leads from the MMWR. Blood alcohol concentrations among young drivers—United States, 1982. **JAMA** 1984 Jan 6;251(1):23

'One for the road' can lead to loss of license for Minnesota drivers [news] Gunby P. **JAMA** 1984 Oct 12;252(14):1837

Diseases of malfunction of body mechanisms. (Heart disease, diabetes, cancer etc.) Risk by occupation, and correlation, male and female, with vehicle travel. Robinson AA. **Med Hypotheses** 1983 Aug;11(4):415–29

.05% or 0.08%? [letter] Smith DI. **Med J Aust** 1984 Feb 4;140(3):176–7

The effects of low doses of alcohol on driving performance. Flanagan NG, et al. **Med Sci Law** 1983 Jul;23(3):203–8

Here are provisions of new drunk driving law. **Mich Med** 1983 May;82(24):308

The driver with epilepsy. Capistrant TD. **Minn Med** 1984 Feb;67(2):91–3

Blood alcohol concentrations among young drivers—United States, 1982. **MMWR** 1983 Dec 16;32(49):646–8

No seat belt, no Michael Jackson [letter] Clark JA, et al. **N Engl J Med** 1984 Sep 20;311(12):803

Epilepsy and driving. Stanaway L, et al. **NZ Med J** 1983 Jul 13;96(735):525–8

Promoting the use of car safety devices for infants: an intensive health education approach. Berger LR, et al. **Pediatrics** 1984 Jul;74(1):16–9

Assistance for handicapped drivers. Egli HJ. **Penn Med** 1984 Mar;87(3):40–6

Behavior modification behind wheel [editorial] Smith DA. **Penn Med** 1984 Jan;87(1):10

Comparison of headlamp visibility distance and stopping distance. Olson PL, et al. **Percept Mot Skills** 1983 Dec;57(3 Pt 2):1177–8

Automotive headlighting: effect of foreground illumination. Olson PL, et al. **Percept Mot Skills** 1983 Dec;57(3 Pt 2):1036–8

Alcohol interaction of lormetazepam, mepindolol sulphate and diazepam measured by performance on the driving simulator. Willumeit HP, et al. **Pharmacopsychiatry** 1984 Mar;17(2):36–43

An evaluation of back rests designed to relieve drivers' low back pain. Bulstrode S, et al. **Physiotherapy** 1983 Dec; 69(12):438

Simulated car driving as a useful technique for the determination of residual effects and alcohol interaction after short- and long-acting benzodiazepines. Willumeit HP, et al. **Psychopharmacology Suppl** 1984;1:182–92

Driver's fatigue. Ferguson AL. **S Afr Med J** 1983 Sep 24; 64(13):489–90

Drugs and driving. Folb PI. **S Afr Med J** 1984 Apr 7; 65(14):544

Medical confidentiality and the blind driver [letter] Hill JC, et al. **S Afr Med J** 1984 Apr 21;65(16):632

Interaction between perceived self-motion and object-motion impairs vehicle guidance. Probst T, et al. **Science** 1984 Aug 3;225(4661):536–8

The physician's duty to warn: a new twist. Tennenhouse DJ. **Surv Ophthalmol** 1984 Jan–Feb;28(4):339–41

Medicine and the law. Physicians and DWI examinations. Wilcox DP, et al. **Tex Med** 1984 Feb;80(2):53–4

Drugs, driving, and traffic safety. **WHO Offset Publ** 1983; (78):1–57

[The motorcycle and adolescents. Comments on the experiences, groups and rituals of motorcyclist adolescents] Rabreau JP. **Neuropsychiatr Enfance Adolesc** 1983 Aug–Sep;31(8–9):428–31 **(Fre)**

[Universal availability of driver education courses in secondary schools does not reduce morbidity and mortality of young Canadians] Laberge-Nadeau C, et al. **Union Med Can** 1983 Sep;112(9):759–66 (Eng. Abstr.) **(Fre)**

[An unusual suicide—self explosion in the automobile] Mojzes L, et al. **Arch Kriminol** 1983 Jul–Aug;172(1–2):21–8 **(Ger)**

[Pedestrian-automobile accidents in collision velocities over 70 km/h] Metter D. **Beitr Gerichtl Med** 1984;42:319–27 (Eng. Abstr.) **(Ger)**

[Passive smoker and deprived smoker as participants in traffic studies—studies on reactive performance] Mittmeyer HJ, et al. **Beitr Gerichtl Med** 1984;42:199–206 (Eng. Abstr.) **(Ger)**

[Analytic studies on the presence of drugs and CO-Hb in automobile drivers] Nasiłowski W, et al. **Beitr Gerichtl Med** 1983;41:135–9 (Eng. Abstr.) **(Ger)**

[Epilepsy attacks and driver fitness] Krämer G, et al. **Dtsch Med Wochenschr** 1984 Jun 8;109(23):922–5 **(Ger)**

[The importance of depth perception in work-places and in road traffic] Hartmann E, et al. **Fortschr Ophthalmol** 1983; 80(6):496–7 (Eng. Abstr.) **(Ger)**

[Fitness to drive under therapy with antihypertensive agents] Harms D. **MMW** 1983 Nov 11;125(45):1022–4 (11 ref.) **(Ger)**

[Visual capacity and traffic] Gramberg-Danielsen B. **Off Gesundheitswes** 1984 Aug;46(8):358–63 **(Ger)**

[The functionally one-eyed professional driver] Maag F, et al. **Praxis** 1983 Oct 18;72(42):1333–7 (Eng. Abstr.) **(Ger)**

[New medical guidelines for fitness specifications for automobile driving (Tauvo K)—neurology/psychiatry specialty] Lietz S. **Psychiatr Neurol Med Psychol (Leipz)** 1984 Feb;36(2):75–83 (Eng. Abstr.) **(Ger)**

[Consciousness disorders while driving] Hoffmann H, et al. **Z Arztl Fortbild (Jena)** 1983;77(18):771–3 **(Ger)**

[Can traffic safety at the onset of twilight be improved?] Koch P, et al. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1984 Mar;34(3):66–70 (Eng. Abstr.) **(Ger)**

[Epilepsy and the driving license] Brodtkorb E, et al. **Tidsskr Nor Laegeforen** 1983 Aug 20;103(23):1648–50 (Eng. Abstr.) **(Nor)**

[Methods of detection and determination of neurotropic drugs in the blood of persons driving motor vehicles. II. Detection and determination of various benzodiazepine derivatives in the human blood by gas chromatography] Kaniewska T. **Acta Pol Pharm** 1983;40(4):445–53 (Eng. Abstr.) **(Pol)**

[Hygienic problems of using diesel engines in vehicular transport] Lifliand LM. **Gig Sanit** 1983 Jun;(6):66–8 (12 ref.) **(Rus)**

[Hypertension and the occupational work capacity of bus drivers] Dubinina IA. **Gig Tr Prof Zabol** 1983 Aug; (8):49–50 **(Rus)**

[Hygienic evaluation of contamination with toxic substances of the respiration zone of gas-cylinder taxicab drivers] Ivanov IV, et al. **Gig Tr Prof Zabol** 1983 Sep;(9):44–5 **(Rus)**

[Clinical problems of automobile transportation medicine] Penknovich AA. **Gig Tr Prof Zabol** 1983 Jul;(7):30–3 (Eng. Abstr.) **(Rus)**

[Health-related definition of the concept of where the motor vehicle driver sits] Retnev VM, et al. **Gig Tr Prof Zabol** 1983 Nov;(11):36–8 **(Rus)**

[The use of indicators of immunological status of automobile drivers in personnel selection] Shamsutdinova LR, et al. **Gig Tr Prof Zabol** 1984 Apr;(4):47–8 **(Rus)**

[Various aspects of the development of automobile transportation medicine] Valsman AI. **Gig Tr Prof Zabol** 1983 Jul;(7):27–30 (Eng. Abstr.) **(Rus)**

[Characteristics of the processes of adapting to the occupational activities of a city bus driver] Valsman AI, et al. **Gig Tr Prof Zabol** 1983 Dec;(12):19–23 (Eng. Abstr.) **(Rus)**

[Vestibular function in female transport workers with cervical osteochondrosis] Sanov A, et al. **Probl Khig** 1983; 8:94–101 (Eng. Abstr.) **(Rus)**

[Tuberculosis in drivers] Zaĭkova KI, et al. **Probl Tuberk** 1984 Mar;(3):64 **(Rus)**

[Effectiveness of training of automobile drivers using methods of psychophysiological examination] D'iakonov IF, et al. **Voen Med Zh** 1983 Aug;(8):50–1 **(Rus)**

AUTOMOBILE EXHAUST

Characterization of diesel exhaust in a chronic inhalation study. Cheng YS, et al. **Am Ind Hyg Assoc J** 1984 Aug; 45(8):547–55

Respiratory tract clearance of 14C-labeled diesel exhaust compounds associated with diesel particles or as a particle-free extract. Sun JD, et al. **Fundam Appl Toxicol** 1984 Jun;4(3 Pt 1):388–93

Deposition and clearance of inhaled diesel exhaust particles in the respiratory tract of Fischer rats. Chan TL, et al. **J Appl Toxicol** 1981 Apr;1(2):77–82

The activation of mutagens in diesel particle extract with rat liver S9 enzymes. Pederson TC, et al. **J Appl Toxicol** 1981 Apr;1(2):61–6

Long-term clearance of inhaled diesel exhaust particles in rodents. Lee PS, et al. **J Toxicol Environ Health** 1983 Oct–Dec;12(4–6):801–13

Lung retention and metabolic fate of inhaled benzo(a)pyrene associated with diesel exhaust particles. Sun JD, et al. **Toxicol Appl Pharmacol** 1984 Mar 30;73(1):48–59

ADVERSE EFFECTS

The health effects of automobile exhaust. VI. Relationship of respiratory symptoms and pulmonary function in tunnel and turnpike workers. Tollerud DJ, et al. **Arch Environ Health** 1983 Nov–Dec;38(6):334–40

Centriacinar alterations in lungs of cats chronically exposed to diesel exhaust. Plopper CG, et al. **Lab Invest** 1983 Oct; 49(4):391–9

Air pollution and lung cancer: diesel exhaust, coal combustion. Higgins IT. **Prev Med** 1984 Mar;13(2):207–18 (39 ref.)
Inhalation studies of diesel exhaust and coal dust in rats. Green FH, et al. **Scand J Work Environ Health** 1983 Apr; 9(2 Spec No):181–8
Lead, cadmium, iron, zinc, copper, manganese, calcium and magnesium in SPF male rats exposed to a dilution of automotive exhaust gas throughout their lives. Stupfel M, et al. **Sci Total Environ** 1983 Dec 15;32(1):65–71
[The chronic effects of diesel-engine exhaust gas on metabolic functions in rat lungs] Ishihara Y, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1984 Mar;22(3):190–6 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Determination of nitrated polycyclic aromatic hydrocarbons in diesel particulates by gas chromatography with chemiluminescent detection. Yu WC, et al. **Anal Chem** 1984 Jun;56(7):1158–62
Contamination of environment with heavy metals emitted from automotives. Falahi-Ardakani A. **Ecotoxicol Environ Safety** 1984 Apr;8(2):152–61
A spectrophotometric method for the quantitation of diesel exhaust particles in guinea pig lung. Rudd CJ, et al. **J Appl Toxicol** 1981 Apr;1(2):83–7
Application of thin-layer chromatography with flame ionization detection to the characterization of organic extracts from diesel exhaust particulates. Obuchi A, et al. **J Chromatogr** 1984 Apr 20;288(1):187–94
Sources of direct-acting nitroarene mutagens in airborne particulate matter. Gibson TL. **Mutat Res** 1983 Nov; 122(2):115–21
Identification of dinitropyrenes in diesel-exhaust particles. Their probable presence as the major mutagens. Nakagawa R, et al. **Mutat Res** 1983 Dec;124(3–4):201–11
[Heavy metal dispersion halos on the territory adjacent to a highway] Makarova AI, et al. **Gig Sanit** 1983 Jul;(7):63–4 **(Rus)**

POISONING

Failed suicide attempt by emission gas poisoning. Hays P, et al. **Am J Psychiatry** 1984 Apr;141(4):592–3

PREVENTION & CONTROL

[Research on protecting the air of populated places from pollution by automobile exhaust gases] Sidorenko GI, et al. **Gig Sanit** 1984 Feb;(2):7–10 (Eng. Abstr.) **(Rus)**

TOXICITY

Generation and characterization of radiolabeled diesel exhaust. Dutcher JS, et al. **Am Ind Hyg Assoc J** 1984 Jul; 45(7):491–8
On the contribution of polycyclic aromatic hydrocarbons to the carcinogenic impact of automobile exhaust condensate evaluated by local application onto mouse skin. Grimmer G, et al. **Cancer Lett** 1983 Nov;21(1):105–13
Comparative toxicity of alcohol and gasoline fueled automobile exhaust fumes. Böhm GM, et al. **Dev Toxicol Environ Sci** 1983;11:479–82
Diesel exhaust exposure and lung cancer: a case—control study. Hall NE, et al. **Environ Res** 1984 Jun;34(1):77–86
Chemical and biological properties of diesel exhaust particles collected during selected segments of a simulated driving cycle. Bechtold WE, et al. **Fundam Appl Toxicol** 1984 Jun; 4(3 Pt 1):370–7
Diesel exhaust exposure system for animal studies. Mokler BV, et al. **Fundam Appl Toxicol** 1984 Apr;4(2 Pt 1):270–7
Ultrastructure and morphometry of the alveolar lung of guinea pigs chronically exposed to diesel engine exhaust: six month's experience. Barnhart MI, et al. **J Appl Toxicol** 1981 Apr;1(2):88–103
Effect of exposure to diesel exhaust on pulmonary prostaglandin dehydrogenase (PGDH) activity. Chaudhari A, et al. **J Appl Toxicol** 1981 Apr;1(2):132–4
Aryl hydrocarbon hydroxylase activity induced by injected diesel particulate extract vs inhalation of diluted diesel exhaust. Chen KC, et al. **J Appl Toxicol** 1981 Apr; 1(2):127–31
Differential counts of B and T lymphocytes in the lymph nodes, circulating blood and spleen after inhalation of high concentrations of diesel exhaust. Dziedzic D. **J Appl Toxicol** 1981 Apr;1(2):111–5
Pulmonary function testing of animals chronically exposed to diluted diesel exhaust. Gross KB. **J Appl Toxicol** 1981 Apr;1(2):116–23
The effect of in vivo exposure to diesel exhaust on rat hepatic and pulmonary microsomal activities. Navarro C, et al. **J Appl Toxicol** 1981 Apr;1(2):124–6
The role of nitroaromatic compounds in the direct-acting mutagenicity of diesel particle extracts. Pederson TC, et al. **J Appl Toxicol** 1981 Apr;1(2):54–60
Experimental conditions in GMR chronic inhalation studies of diesel exhaust. Schreck RM, et al. **J Appl Toxicol** 1981 Apr;1(2):67–76
A long-term inhalation study evaluates the pulmonary effects of diesel emissions [letter] White H, et al. **J Appl Toxicol** 1983 Dec;3(6):332
Early pulmonary response of the rat lung to inhalation of high concentration of diesel particles. White HJ, et al. **J Appl Toxicol** 1981 Apr;1(2):104–10
Effects of coal dust and diesel exhaust on immune competence in rats. Mentnech MS, et al. **J Toxicol Environ Health** 1984;13(1):31–41
Contribution of polycyclic aromatic hydrocarbons to the carcinogenic impact of gasoline engine exhaust condensate evaluated by implantation into the lungs of rats. Grimmer G, et al. **JNCI** 1984 Mar;72(3):733–9
Biological availability of mutagenic compounds adsorbed onto diesel exhaust particulate. Belisario MA, et al. **Mutat Res** 1984 Jan;135(1):1–9
Mutagenicity of diesel-exhaust particle extract, 1-nitropyrene, and 2,7-dinitrofluorenone in Salmonella typhimurium under various metabolic activation conditions. Kohan M, et al. **Mutat Res** 1983 Dec; 124(3–4):191–200
Scanning electron-microscopic and X-ray-microanalytic observation of diesel-emission particles associated with mutagenicity. Nakashima K, et al. **Mutat Res** 1983 Dec; 122(3–4):251–5
Mutagenic and carcinogenic nitroarenes in diesel emissions: risk identification. Rosenkranz HS. **Mutat Res** 1984 May; 140(1):1–6
Scanning electron microscopy of terminal airways of guinea pigs chronically inhaling diesel exhaust. Kucukcelebi A, et al. **Scan Electron Microsc** 1983;(Pt 4):1835–50
A comparison of the cellular toxicity of exhausts from cars driven on present and future fuels. Bernson V. **Toxicol Lett** 1983 Oct-Nov;19(1–2):119–26
[Effects (acute effects) of diesel engine exhaust gas on lung metabolism] Ishihara Y, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 May; 21(5):461–5 (Eng. Abstr.) **(Jpn)**
[Hygienic evaluation of contamination with toxic substances of the respiration zone of gas-cylinder taxicab drivers] Ivanov IV, et al. **Gig Tr Prof Zabol** 1983 Sep;(9):44–5 **(Rus)**

AUTOMOBILES

Demographic predictors of infant car seat use. Hletko PJ, et al. **Am J Dis Child** 1983 Nov;137(11):1061–3
The effects of vehicle mass, speed and safety belt wearing on the causes of death in road traffic accidents. Tolonen J, et al. **Ann Chir Gynaecol** 1984;73(1):14–20
Preaching to the choir [editorial] McNabney WK. **Ann Emerg Med** 1984 Mar;13(3):204
Back pain in Grand Prix drivers [letter] Burton AK. **Br J Sports Med** 1983 Dec;17(4):150–1
Conflagration of children in cars. Gill DG. **Br Med J [Clin Res]** 1984 Mar 31;288(6422):973
The application of health education principles to automobile child restraint programs. Eriksen MP, et al. **Health Educ Q** 1983 Spring;10(1):30–55
Shielding factors for vehicles to gamma radiation from activity deposited on structures and ground surfaces. Lauridsen B, et al. **Health Phys** 1983 Dec;45(6):1039–45
Mortality among automobile assembly workers. II. White males. Chiazze L Jr, et al. **J Occup Med** 1984 Mar; 26(3):215–21
Smoking patterns of motor vehicle industry workers and their impact on lung cancer mortality rates. Suta BE, et al. **J Occup Med** 1983 Sep;25(9):661–7
Infant car seat usage. Effectiveness of a postpartum educational program. Goebel JB, et al. **JOGN Nurs** 1984 Jan-Feb;13(1):33–6
The Maryland child safety seat law. Roberts KB, et al. **Md State Med J** 1983 Dec;32(12):919–24
The torture of the automobile way of life. Slovenko R. **Med Law** 1983;2(4):385–98
Child restraints in cars [letter] Appleton I. **NZ Med J** 1984 Aug 8;97(761):542–3
Changing patterns in child restraint use [letter] Moyes CD, et al. **NZ Med J** 1984 Apr 11;97(753):242
Forensic aspects of the highway crash. Gikas PW. **Pathol Annu** 1983;18 Pt 2:147–63
American Academy of Pediatrics. Committee on Accident and Poison Prevention. Automatic passenger protection systems. **Pediatrics** 1984 Jul;74(1):146–7
Car seat burns [letter] Carter BA. **Pediatrics** 1983 Dec; 72(6):918
Crashworthiness of restraints for physically disabled children in buses. Seeger BR, et al. **Rehabil Lit** 1983 Nov-Dec; 44(11–12):332–5
[The effect of legislation on the use of automobile restraint systems for children] Stulginskas JV, et al. **Union Med Can** 1984 Jan;113(1):24–6, 75 (Eng. Abstr.) **(Fre)**
[Clues in pedestrian-vehicle collisions and their significance for reconstruction of accidents] Metter D. **Z Rechtsmed** 1983;91(1):21–32 (Eng. Abstr.) **(Ger)**
[Human reactions to community noise. I. Noise of urban street traffic in the city of Verona] Riolfatti M. **Nuovi Ann Ig Microbiol** 1982 Jul–Dec;33(4–6):799–815 (Eng. Abstr.) **(Ita)**
[Acetylation phenotype in varnishers] Jendryczko A, et al. **Pol Tyg Lek** 1984 Mar 19;39(12):393–4 (Eng. Abstr.) **(Pol)**
[Experience in using automobile transport for air sampling] Boev SE, et al. **Gig Sanit** 1983 Sep;(9):61 **(Rus)**
[Roentgenological evaluation of bone changes in the hand caused by local low-frequency vibration in car body grinders] Grigorian EA, et al. **Gig Tr Prof Zabol** 1984 Apr; (4):40–2 (Eng. Abstr.) **(Rus)**

HISTORY

Medicine in the USA: historical vignettes. XXIII. The automobile makes an impact. King LS. **JAMA** 1984 May 11;251(18):2352–5

STANDARDS

Injuries to car occupants—some aspects of the interior safety of cars. A study of a five-year material from an insurance company. Nygren A. **Acta Otolaryngol [Suppl] (Stockh)** 1984;395:1–164
Child auto restraints. Schaaf K. **Alaska Med** 1983 Jul-Sep; 25(3):76–8
The Supreme Court and airbags. Christoffel T. **Am J Public Health** 1984 Mar;74(3):269–70
Road blindness [letter] Grattan E. **Br Med J [Clin Res]** 1983 Oct 1;287(6397):983
[Windshield injuries. Frequency—treatment—safety measures] Lund OE. **Fortschr Ophthalmol** 1984;81(1):21–8 (Eng. Abstr.) **(Ger)**

AUTONOMIC AGENTS

CHEMICAL SYNTHESIS

Synthesis and biological activity of heterocyclic acyl-cholines. De Micheli C, et al. **Farmaco [Sci]** 1983 Nov; 38(11):817–25

PHARMACODYNAMICS

Pharmacology of gastric motility. Willems JL, et al. **Acta Gastroenterol Belg** 1982 Nov-Dec;45(11–12):471–5
Hyperresponsiveness to autacoids and autonomic drugs in lung parenchymal strips from sensitized guinea pigs. Morcillo EJ, et al. **Am Rev Respir Dis** 1984 Jun; 129(6):948–51
Studies of salivary flow in borderline hypertension: effects of drugs acting on structures innervated by the autonomic nervous system. van Hooff M, et al. **Clin Sci** 1984 May; 66(5):599–604
Actions of some autonomic agents on the heart of the trout (Salmo gairdneri) with emphasis on the effects of adenyl compounds. Meghji P, et al. **Comp Biochem Physiol [C]** 1984;78(1):69–75
Evoked ventromedial hypothalamic activity: changes produced by drugs which modify female sexual behavior in the rat. Mascó DH, et al. **Exp Neurol** 1983 Nov; 82(2):270–86
Effects of autonomic drugs on contractions of rat seminal vesicles in vivo. Hib J, et al. **J Reprod Fertil** 1984 Jan; 70(1):197–202
Response of urethral smooth muscles to pharmacological agents. II. Noncholinergic, nonadrenergic agonists and antagonists. Abdel-Hakim A, et al. **J Urol** 1983 Nov; 130(5):988–91
Comparative effects of some autonomic drugs on lizard (Agama agama) and tortoise (Kinixys crosa) isolated rectum. Makanju OO. **Methods Find Exp Clin Pharmacol** 1983 Nov;5(9):631–4
Autonomic drug effects and gastric secretion in a new experimental model of stress ulcers in rats. Mine K, et al. **Pharmacol Biochem Behav** 1983 Aug;19(2):359–64
Regional blood flow in canine brain during nicotine infusion: effect of autonomic blocking drugs. Crystal GJ, et al. **Stroke** 1983 Nov-Dec;14(6):941–7
Actions of some autonomic drugs on spontaneous contractions of isolated dog ureter. Yano S, et al. **Urol Int** 1984;39(2):100–4
[Tocolysis] **Gynakol Rundsch** 1983;23 Suppl 3:43–81 **(Ger)**
[Effect of autonomic drugs on Na K adenosine triphosphatase activity in the heart and skeletal muscles] Dynarowicz I, et al. **Pol Arch Weter** 1983;23(4):51–61 (Eng. Abstr.) **(Pol)**

AUTONOMIC FIBERS, POSTGANGLIONIC

ANATOMY & HISTOLOGY

Location of autonomic cell bodies projecting to the extrathoracic smooth muscle of the canine trachea. Bratton GR, et al. **Anat Histol Embryol** 1984 Mar;13(1):15–24

METABOLISM

Concentration dependence of rapid axonal transport: a study of the transport kinetics of [35S]methionine-labeled protein in postganglionic sympathetic fibers of the bullfrog. Litchy WJ, et al. **J Neurosci** 1983 Oct;3(10):2075–82

PHYSIOLOGY

Activation of postganglionic neurones via non-nicotinic synaptic mechanisms by stimulation of thin preganglionic axons. Jänig W, et al. **Pflugers Arch** 1984 Jul;401(3):318–20

PHYSIOPATHOLOGY

Quantitative sudomotor axon reflex test in normal and neuropathic subjects. Low PA, et al. **Ann Neurol** 1983 Nov;

14(5):573–80

ULTRASTRUCTURE

A sympathetic projection from sacral paravertebral ganglia to the pelvic nerve and to postganglionic nerves on the surface of the urinary bladder and large intestine of the cat. Kuo DC, et al. **J Comp Neurol** 1984 Jun 10; 226(1):76–86

Ultrastructure of vesicourethral innervation. II. Postganglionic axoaxonal synapses in intrinsic innervation of the vesicourethral lissosphincter: a new structural and functional concept in micturition. Elbadawi A. **J Urol** 1984 Apr;131(4):781–90

AUTONOMIC FIBERS, PREGANGLIONIC

ANALYSIS

The presence of leucine-enkephalin in the sacral preganglionic pathway to the urinary bladder of the cat. Kawatani M, et al. **Neurosci Lett** 1983 Aug 29;39(2):143–8

CYTOLOGY

[Distribution of cell bodies of the sympathetic preganglionic fibers to the stellate ganglion in the monkey: a study using horseradish peroxidase technic] Kato T. **Fukuoka Igaku Zasshi** 1983 Oct;74(10):724–32 (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Effects of glutamate and aspartate on sympathetic preganglionic neurons in the upper thoracic intermediolateral nucleus of the cat. Backman SB, et al. **Brain Res** 1983 Oct 31;277(2):370–4

Effects of GABA and glycine on sympathetic preganglionic neurons in the upper thoracic intermediolateral nucleus of the cat. Backman SB, et al. **Brain Res** 1983 Oct 31; 277(2):365–9

Inhibition of sympathetic preganglionic discharges by epinephrine and and alpha-methylepinephrine. Guyenet PG, et al. **Brain Res** 1982 Mar 11;235(2):271–83

Serotonergic excitation of sympathetic preganglionic neurons: a microiontophoretic study. McCall RB. **Brain Res** 1983 Dec 19;289(1–2):121–7

PHYSIOLOGY

Ultrastructural evidence for monoamine uptake by vesicles of pineal sympathetic nerves immediately after their stimulation. Jaim-Etcheverry G, et al. **Cell Tissue Res** 1983; 233(2):463–9

Accuracy of regeneration of vagal parasympathetic axons. Taylor B, et al. **J Comp Neurol** 1983 Dec 1;221(2):145–53

Activation of postganglionic neurones via non-nicotinic synaptic mechanisms by stimulation of thin preganglionic axons. Jänig W, et al. **Pflugers Arch** 1984 Jul;401(3):318–20

[Characteristics of the rhythmic activity of a normal and a damaged heart during hyperactivity of spinal cord preganglionic neurons] Kryzhanovskiĭ GN, et al. **Biull Eksp Biol Med** 1983 Sep;96(9):14–6 (Eng. Abstr.) **(Rus)**

SURGERY

Transnasal preganglionic vidian nerve section. Kirtane MV, et al. **J Laryngol Otol** 1984 May;98(5):481–7

ULTRASTRUCTURE

The location and morphology of preganglionic neurons and the distribution of visceral afferents from the rat pelvic nerve: a horseradish peroxidase study. Nadelhaft I, et al. **J Comp Neurol** 1984 Jun 20;226(2):238–45

AUTONOMIC NERVE BLOCK

Clinical effects of regional intravenous guanethidine (Ismelin) in reflex sympathetic dystrophy. Driessen JJ, et al. **Acta Anaesthesiol Scand** 1983 Dec;27(6):505–9

Reflex sympathetic dystrophy in a child. Doolan LA, et al. **Anaesth Intensive Care** 1984 Feb;12(1):70–2

Stellate ganglion block and quinine overdose [letter] Bateman DW, et al. **Anaesthesia** 1984 Jan;39(1):71–2

Location of the stellate ganglion [letter] Sweeney B. **Anaesthesia** 1984 Aug;39(8):839–40

Forced acid diuresis and stellate ganglion block in the treatment of quinine poisoning. Thomas D. **Anaesthesia** 1984 Mar;39(3):257–60

Replantation anesthesia [letter] Shanahan PT. **Anesth Analg** 1984 Aug;63(8):785–6

Stellate ganglion block: a therapeutic modality for arterial insufficiency of the arm in premature infants. Lagade MR, et al. **Anesthesiology** 1984 Aug;61(2):203–4

Transsacral neurolytic nerve blockade [letter] Ryan DW. **Br J Anaesth** 1984 Jun;56(6):669–70

Coeliac plexus block for pain in pancreatic cancer and chronic pancreatitis. Leung JW, et al. **Br J Surg** 1983 Dec; 70(12):730–2

Enhanced atrioventricular nodal conduction in man: electrophysiologic effects of pharmacologic autonomic blockade. Benditt DG, et al. **Circulation** 1984 Jun; 69(6):1088–95

The sympathetic dystrophies. Warfield CA. **Hosp Pract [Off]** 1984 May;19(5):52C–52J

Reproducibility of electrophysiological parameters of sinus node following autonomic blockade. Alboni P, et al. **Int J Cardiol** 1983 Nov-Dec;4(4):431–42

Causalgic pain relieved by prolonged procaine amide sympathetic blockade. Case report. Leipzig TJ, et al. **J Neurosurg** 1984 May;60(5):1095–6

Celiac plexus block: an overview. Owitz S, et al. **Mt Sinai J Med (NY)** 1983 Nov-Dec;50(6):486–90

[Diagnostic celiac block. Alternative to surgery in chronic pancreatitis (letter)] Parer C, et al. **Presse Med** 1984 Jun 2;13(23):1458 **(Fre)**

[Functional autonomic blockade in the diagnosis of functional sinus node disorders] Treese N, et al. **Dtsch Med Wochenschr** 1984 Jan 20;109(3):87–91 (Eng. Abstr.) **(Ger)**

[Vagus block in the therapy of bradycardial arrhythmias—the role of autonomic balance] Weber H, et al. **Z Gesamte Inn Med** 1984 May 1;39(9):177–81 (Eng. Abstr.) **(Ger)**

[Effect of nifedipine on sinus node and atrioventricular node function following autonomic blockade in the human] Pop T, et al. **Z Kardiol** 1983 Dec;72(12):735–9 (Eng. Abstr.) **(Ger)**

[Percutaneous alcoholic neurolysis of the celiac plexus in the treatment of pain of pancreatic origin] Ramella G, et al. **Minerva Chir** 1983 Oct 15;38(19):1497–8 **(Ita)**

[Long-term novocaine blockade of the lumbar sympathetic ganglia in the treatment of obliterating diseases of the lower extremities] Bondarenko VA, et al. **Klin Khir** 1983 Jul;(7):70 **(Rus)**

[Ischemia of the hand after radial puncture treated with continuous axillary block (letter)] Gomar C, et al. **Med Clin (Barc)** 1983 Sep 24;81(8):371 **(Spa)**

ADVERSE EFFECTS

Aphasia and hemiparesis following stellate ganglion block. Scott DL, et al. **Anesth Analg** 1983 Nov;62(11):1038–40

Fetal heart rate pattern and postparacervical fetal bradycardia. LeFevre ML. **Obstet Gynecol** 1984 Sep; 64(3):343–6

METHODS

Obstetrical paracervical block with chloroprocaine or bupivacaine. A comparison. Belfrage P, et al. **Acta Obstet Gynecol Scand** 1983;62(3):245–7

Which local anesthetic is best suited for paracervical blocks? Nesheim BI. **Acta Obstet Gynecol Scand** 1983;62(3):261–4

Analgesia for neurolytic lumbar sympathetic blockade [letter] Morris RW, et al. **Anaesth Intensive Care** 1984 May; 12(2):177

Pharmacological target blocks in hand surgery and rehabilitation. Hannington-Kiff JG. **J Hand Surg [Br]** 1984 Feb;9(1):29–36

Pain relief in herpes ophthalmicus. Fernando LC, et al. **Trans Ophthalmol Soc NZ** 1984;36:57–8

[Position of the needle tip in celiac plexus block. 2. Clinical application] Yamamuro M, et al. **Masui** 1984 Mar; 33(3):269–83 (Eng. Abstr.) **(Jpn)**

[Position of needle tip in celiac plexus block. 1. Classification of the block and CT xray study of block insertion technics] Yamamuro M, et al. **Masui** 1983 Jul;32(7):848–58 (Eng. Abstr.) **(Jpn)**

AUTONOMIC NERVOUS SYSTEM

Experimental diabetic autonomic neuropathy characterization in streptozotocin-diabetic Sprague-Dawley rats. Schmidt RE, et al. **Lab Invest** 1983 Nov;49(5):538–52

ANALYSIS

Noradrenergic nervous activity in migraine. Gotoh F, et al. **Arch Neurol** 1984 Sep;41(9):951–5

The regional distribution of neurotensin-like immunoreactivity in central and peripheral tissues of the cat. Goedert M, et al. **Brain Res** 1983 Aug 8;272(2):291–7

ANATOMY & HISTOLOGY

Primary afferent projections from dorsal and ventral roots to autonomic preganglionic neurons in the cat sacral spinal cord: light and electron microscopic observations. Mawe GM, et al. **Brain Res** 1984 Jan 2;290(1):152–7

The organization of projections from the central nucleus of the amygdala to brainstem sites involved in central autonomic regulation: a combined retrograde transport-immunohistochemical study. Veening JG, et al. **Brain Res** 1984 Jun 15;303(2):337–57

Morphological and functional aspects of pancreatic islet innervation. Smith PH, et al. **J Auton Nerv Syst** 1983 Oct; 9(1):53–66

Long descending projections of the hypothalamus in the pigeon, Columba livia. Berk ML, et al. **J Comp Neurol** 1983 Oct 20;220(2):127–36

The autonomic innervation of the vasa nervorum. Amenta F, et al. **J Neural Transm** 1983;58(3–4):291–7

DRUG EFFECTS

The involvement of the enteric nervous system in the intestinal secretion evoked by cyclic adenosine 3'5'-monophosphate. Eklund S, et al. **Acta Physiol Scand** 1984 Feb;120(2):311–6

Autonomic, systemic, and renal hemodynamic actions of trimazosin in hypertensive patients. Chrysant SG. **Am Heart J** 1983 Nov;106(5 Pt 2):1243–50

Neuromuscular blocking and autonomic effects of vecuronium and atracurium in the anaesthetized cat. Sutherland GA, et al. **Br J Anaesth** 1983 Nov; 55(11):1119–26

Adrenalectomy blocks pressor responses to naloxone in endotoxic shock: evidence for sympathomedullary involvement. Holaday JW, et al. **Circ Shock** 1983; 11(3):201–10

Influence of yohimbine on blood pressure, autonomic reflexes, and plasma catecholamines in humans. Goldberg MR, et al. **Hypertension** 1983 Sep-Oct;5(5):772–8

Met5-enkephalin-Arg6-Phe7 inhibition of noradrenaline and acetylcholine release from peripheral organs. Hársing LG Jr, et al. **J Auton Pharmacol** 1984 Mar;4(1):33–43

Effects of brovincamine on the autonomic nervous function in the dog and rat. Kushiku K, et al. **J Pharmacobiodyn** 1984 Mar;7(3):177–85

Pharmacological, hemodynamic and autonomic nervous system mechanisms responsible for the blood pressure and heart rate lowering effects of pergolide in rats. Cavero I, et al. **J Pharmacol Exp Ther** 1984 Mar;228(3):779–91

The effects of caffeine on plasma MHPG, subjective anxiety, autonomic symptoms and blood pressure in healthy humans. Charney DS, et al. **Life Sci** 1984 Jul 9;35(2):135–44

The role of central dopaminergic processes in chemical carcinogenesis. Gurkalo VK, et al. **Neoplasma** 1984; 31(2):183–90

Prazosin, a specific alpha 1-noradrenergic receptor antagonist, has no effect on symptoms but increases autonomic arousal in schizophrenic patients. Hommer DW, et al. **Psychiatry Res** 1984 Mar;11(3):193–204

A guide to the rational use of dopamine, dobutamine and isoprenaline in patients who need inotropic support. Lipman J, et al. **S Afr Med J** 1984 Mar 31;65(13):506–9 (37 ref.)

Effect of triethyltin on autonomic and behavioral thermoregulation of mice. Gordon CJ, et al. **Toxicol Appl Pharmacol** 1984 May;73(3):543–50

[General pharmacology of traxanox sodium. I. Effects on the central, somatic, and autonomic nervous systems, digestive system, urologic organs, and reproductive system] Goto K, et al. **Nippon Yakurigaku Zasshi** 1983 May; 81(5):343–63 (Eng. Abstr.) **(Jpn)**

EMBRYOLOGY

The ontogeny of the response of the avian embryo heart to autonomic neurotransmitters and to neurotransmitter-like drugs. Higgins D. **Pharmacol Ther** 1983;20(1):53–77 (200 ref.)

GROWTH & DEVELOPMENT

Development of autonomic control of heart rate in genetically hypertensive and normotensive rats. Tucker DC, et al. **Am J Physiol** 1984 Apr;246(4 Pt 2):R570–7

An electrophysiological study of the postnatal development of the autonomic innervation of the rat submandibular salivary gland. Bottaro B, et al. **Arch Oral Biol** 1984; 29(3):237–42

METABOLISM

The role of the autonomic nervous system in borderline and mild hypertension. Christensen NJ. **Acta Med Scand [Suppl]** 1983;686:35–40

Histofluorescence study of catecholaminergic cells of the mammalian autonomic nervous system. Amvros'ev AP. **Neurosci Behav Physiol** 1984 Jan-Feb;14(1):41–9

Gamma-aminobutyrate as an autonomic neurotransmitter: release and uptake of [3H]gamma-aminobutyrate in guinea pig large intestine and cultured enteric neurons using physiological methods and electron microscopic autoradiography. Jessen KR, et al. **Neuroscience** 1983 Dec; 10(4):1427–42

Dynorphin-immunoreactive neurons in the autonomic nervous system. Vincent SR, et al. **Neuroscience** 1984 Apr; 11(4):973–87

[Changes in adrenergic nerve plexuses of the heart during immobilization stress in the rat] Mar'ian KL, et al. **Arkh Anat Gistol Embriol** 1984 Mar;86(3):34–9 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Immunopathogenesis of experimental Chagas' disease in mice: damage to the autonomic nervous system. Hudson L. **Ciba Found Symp** 1983;99:234–51 (17 ref.)

Rectal mucosal biopsy in aganglionosis and allied conditions. Ariel I, et al. **Hum Pathol** 1983 Nov;14(11):991–5

[Qualitative changes in the intracardiac autonomic nervous system in chronic Chagas' disease patients] Almeida H de O, et al. **Arq Bras Cardiol** 1983 Sep;41(3):171–4 (Eng. Abstr.) **(Por)**

PHYSIOLOGY

Interactions among heart rate, autonomic activity, and arterial pressure upon the multiple repetitive extrasystole threshold in the dog. Furey SA 3d, et al. **Am Heart J** 1983 Nov;106(5 Pt 1):1112–20

QT/QS2 ratio as an index of autonomic tone changes. De Caprio L, et al. **Am J Cardiol** 1984 Mar 1;53(6):818–22

Does the autonomic nervous system regulate whole-body lymph flow? Power GG, et al. **Am J Physiol** 1983 Nov; 245(5 Pt 1):R695–700

Genetic and environmental influences on developing autonomic control of heart rate. Tucker DC, et al. **Am J Physiol** 1984 Apr;246(4 Pt 2):R578–86

The role of the autonomic nervous system in allergic diseases. Casale TB. **Ann Allergy** 1983 Oct;51(4):423–9 (51 ref.)

Central neural integration for the control of autonomic responses associated with emotion. Smith OA, et al. **Annu Rev Neurosci** 1984;7:43–65 (109 ref.)

Effects of cardiac denervation on levels of neuronal survival factors for cultured autonomic neurones. Boon YH, et al. **Brain Res** 1984 Jan;314(1):154–7

Effect of adrenergic and vagal blockade on the normal human airway response to exercise. Warren JB, et al. **Clin Sci** 1984 Jan;66(1):79–85

Maturation of autonomic control in preterm infants. Fox NA. **Dev Psychobiol** 1983 Nov;16(6):495–504

Neural control of pancreatic insulin and somatostatin secretion. Roy MW, et al. **Endocrinology** 1984 Aug; 115(2):770–5

Nasal autonomic innervation with special reference to peptidergic nerves. Anggård A, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 1):143–9

The influence of the autonomic nervous system on the onset of stress ulcers—mainly on the changes of biogenic amine contents in brain and stomach in cold restrained rats. Ito N, et al. **Hiroshima J Med Sci** 1983 Sep;32(3):329–39

Arterial pressure and autonomic regulation of the heart during simulation of strenuous operator activity. Baevskii RM, et al. **Hum Physiol** 1983 Sep–Oct;9(5):301–5

Arginine vasopressin modulates the central action of angiotensin II in the dog. Michelini LC, et al. **Hypertension** 1983 Nov–Dec;5(6 Pt 3):V94–100

A physiological evaluation of the yoga concept of respiratory control of autonomic nervous system activity. Morse DR, et al. **Int J Psychosom** 1984;31(1):3–19

Autonomic regulation of viscoelasticity of cat tracheal gland secretions. Leikauf GD, et al. **J Appl Physiol** 1984 Feb; 56(2):426–30

Preganglionic innervation of the pancreas islet cells in the rat. Luiten PG, et al. **J Auton Nerv Syst** 1984 Mar; 10(1):27–42

Studies of electrical activity of the peripheral components of the autonomic nervous system in chronic experiments. Nozdrachev AD, et al. **J Auton Nerv Syst** 1983 Nov; 9(2–3):347–60

Autonomic nerves in the precapillary vessel wall. Burnstock G, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 2:S344–53 (66 ref.)

The role of the autonomic nervous system on sinus node function in patients with intermittent sinoatrial block. Alboni P, et al. **J Electrocardiol** 1984 Jan;17(1):25–31

Gastric blood flow responses to autonomic nerve stimulation and related pharmacological studies in rats. Yano S, et al. **J Pharm Pharmacol** 1983 Oct;35(10):641–6

Fastigial nucleus projections to the brain stem in beagles: pathways for autonomic regulation. Andrezik JA, et al. **Neuroscience** 1984 Feb;11(2):497–507

Nerve pathways in the rectal region of the nerve of Remak of the chicken. Nagasaki M, et al. **Nippon Juigaku Zasshi** 1983 Aug;45(4):443–52

Peptidergic regulation in neuroendocrine and autonomic systems. Elde R, et al. **Peptides (Fayetteville)** 1984;5 Suppl 1:101–7

Autonomic and somatomotor effects of amygdala central N. stimulation in awake rabbits. Applegate CD, et al. **Physiol Behav** 1983 Sep;31(3):353–60

Phasic T-wave amplitude and heart rate changes as indices of mental effort and task incentive. Scher H, et al. **Psychophysiology** 1984 May;21(3):326–33

Heart rhythm control during sleep. Zemaitytė D, et al. **Psychophysiology** 1984 May;21(3):279–89

Studies of the importance of the pattern of autonomic stimulation in relation to alimentary effectors. Edwards AV, et al. **Q J Exp Physiol** 1984 Jul;69(3):607–14

Neuro-hormonal control of pancreatic function in man and its failure. Greenberg GR. **Scand J Gastroenterol [Suppl]** 1983;82:101–9 (53 ref.)

Autonomic nervous control of gastric somatostatin and gastrin release. Olesen M, et al. **Scand J Gastroenterol [Suppl]** 1984;89:127–9

The third nervous system in the lung: physiology and clinical perspectives [editorial] Barnes PJ. **Thorax** 1984 Aug; 39(8):561–7

[26th meeting of the Japan Society of Smooth Muscles. Okayama, 15–16 July 1984. Abstracts] **Nippon Heikatsukin Gakkai Zasshi** 1984;(26 Spec No):19–68 **(Jpn)**

[Experimental study on gastric submucosal blood flow influenced by autonomic nervous system and catecholamines during development of stress ulcer] Kudo T. **Nippon Shokakibyo Gakkai Zasshi** 1984 Apr; 81(4):987–95 (Eng. Abstr.) **(Jpn)**

[Autonomic nerve-function tests of digestive organs] Goto Y, et al. **No To Shinkei** 1984 May;36(5):441–52 (61 ref.) **(Jpn)**

[Biochemical investigation of the autonomic function in the cardiovascular system—with special reference to changes in plasma cyclic nucleotides during various autonomic function tests] Okada F. **No To Shinkei** 1984 May; 36(5):423–32 **(Jpn)**

[Quantitative assessment of the autonomic function of the cardiovascular system] Tanaka N, et al. **No To Shinkei** 1984 May;36(5):415–21 (48 ref.) **(Jpn)**

[Effects of evoking imagery on the control of peripheral skin temperature] Ohkuma Y. **Shinrigaku Kenkyu** 1983 Jun; 54(2):88–94 (Eng. Abstr.) **(Jpn)**

[Autonomic regulation of the heart. Recent aspects on innervation, receptors and interactions] Platou ES. **Tidsskr Nor Laegeforen** 1984 Feb 29;104(6):428–31 (Eng. Abstr.) **(Nor)**

[Adrenergic, cholinergic, serotoninergic, purinergic and peptidergic neurons of the metasympathetic nervous system] Nozdrachev AD. **Fiziol Zh SSSR** 1984 May; 70(5):649–58 (45 ref.) (Eng. Abstr.) **(Rus)**

[Practical application of the theory of functional systems in the evaluation of the health status of man in the industrial milieu] Sudakov KV. **Vestn Akad Med Nauk SSSR** 1984; (1):10–9 **(Rus)**

[Bioelectric and vegetative reactions of the rat to stimulation of the ventromedial hypothalamus] Vorob'eva TM, et al. **Zh Vyssh Nerv Deiat** 1984 Mar–Apr;34(2):290–7 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Age-related changes in autonomic function: relationship with postural hypotension. Smith SA, et al. **Age Ageing** 1983 Aug;12(3):206–10

Pathophysiology of essential hypertension. Role of the autonomic nervous system. Tarazi RC. **Am J Med** 1983 Oct 17;75(4A):2–8 (58 ref.)

Autonomic and airway reactivity in obligate heterozygotes for cystic fibrosis. Davis PB. **Am Rev Respir Dis** 1984 Jun; 129(6):911–4

Ventricular standstill despite normal electrophysiology study: a further possible indication for pacing. Tonkin AM, et al. **Aust NZ J Med** 1983 Oct;13(5):504–8

Alcohol dependence and responsivity to an ethanol stimulus as predictors of alcohol consumption. Kaplan RF, et al. **Br J Addict** 1983 Sep;78(3):259–67

Autonomic function in cholinergic urticaria and atopic eczema. Murphy GM, et al. **Br J Dermatol** 1984 May; 110(5):581–6

Chronic paroxysmal hemicrania: salivation, tearing and nasal secretion. Saunte C. **Cephalalgia** 1984 Mar;4(1):25–32

Autonomic disorders in cluster headache, with special reference to salivation, nasal secretion and tearing. Saunte C. **Cephalalgia** 1984 Mar;4(1):57–64

Studies of salivary flow in borderline hypertension: effects of drugs acting on structures innervated by the autonomic nervous system. van Hooff M, et al. **Clin Sci** 1984 May; 66(5):599–604

Autonomic heart-rate control in response to standing in toxemic and normotensive primigravid pregnancies. Wouters EJ, et al. **Eur J Obstet Gynecol Reprod Biol** 1984 Jan;16(5):309–14

Cardiac dysautonomia in acute intermittent porphyria. Gupta GL, et al. **Indian J Med Res** 1983 Aug;78:253–6

Sinus node function after autonomic blockade in normals and in sick sinus syndrome. Sethi KK, et al. **Int J Cardiol** 1984 Jun;5(6):707–19

Neuropsychological concepts of somatoform disorders. Miller L. **Int J Psychiatry Med** 1984;14(1):31–46 (63 ref.)

Convergent validity of type A behavior pattern scales and their ability to predict physiological responsiveness in a sample of female public employees. Mayes BT, et al. **J Behav Med** 1984 Mar;7(1):83–108

Autonomic hyperreflexia in spinal cord injured patients: trigger mechanism—dressing changes of pressure sores. Hall PA, et al. **J Trauma** 1983 Dec;23(12):1074–5

Is autonomic control a factor in some cases of sudden infant death syndrome [letter] Matthews TG. **Lancet** 1984 Mar 31;1(8379):744

Effect of one year clofazimine therapy on autonomic functions in lepromatous leprosy with lepra (ENL) reaction. Burte NP, et al. **Lepr India** 1983 Apr;55(2):278–85

Neural mechanisms in cardiac arrhythmias associated with epileptogenic activity: the effect of phenobarbital in the cat. Lathers CM, et al. **Life Sci** 1984 May 14;34(20):1919–36

Autonomic modulation of bronchoconstriction after pulmonary microembolism in guinea pigs. Clay TP, et al. **Lung** 1983;161(5):275–85

Cerebral mechanisms, autonomic responsiveness, and attention in schizophrenia. Venables PH. **Nebr Symp Motiv** 1984;31:47–91

Modulation of the Q–T interval by the autonomic nervous system. Browne KF, et al. **PACE** 1983 Sep;6(5 Pt 2):1050–6

Influence of the autonomic nervous system on the genesis of cardiac arrhythmias. Zipes DP, et al. **PACE** 1983 Sep; 6(5 Pt 2):1210–20

Cardiovascular autonomic response during preoperative stress and postoperative pain. Heller PH, et al. **Pain** 1984 Jan;18(1):33–40

The role of autonomic chronotropic influences in patients with the sick sinus syndrome. Chen JJ, et al. **Taiwan I Hsueh Hui Tsa Chih** 1984 Jan;83(1):86–97

[A preliminary study on the correlation between 'the eight principle syndromes' and the function of vegetative nervous system in patients with menstruation disorders] Ye XQ. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Apr;4(4):198–200 (Eng. Abstr.) **(Chi)**

[Changes in neurovegetative reactivity due to comprehensive spa therapy in patients with chronic constipation and after cholecystectomy] Zdichynec B, et al. **Cesk Gastroenterol Vyz** 1983 Nov;37(6–7):385–93 (Eng. Abstr.) **(Cze)**

[Clinical, electroneurographic and neuroautonomic findings in patients with chronic renal insufficiency and following kidney transplantation] Müller D, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1983 Aug; 35(8):460–6 (Eng. Abstr.) **(Ger)**

[Autonomic nerve response to pilocarpine load in patients with angina pectoris and its physiopathological significance] Tamada K, et al. **Kokyu To Junkan** 1983 Nov; 31(11):1187–90 **(Jpn)**

[Relationship between hyporeninemic hypoaldosteronism nephropathy and autonomic neuropathy in diabetes mellitus] Sugiyama H. **Nippon Naika Gakkai Zasshi** 1983 May 10;72(5):553–61 **(Jpn)**

[Case of dysmorphic type of sialidosis: autonomic nervous system function and cerebral electrophysiological studies] Tobimatsu S, et al. **Rinsho Shinkeigaku** 1983 Sep; 23(9):757–63 (Eng. Abstr.) **(Jpn)**

[Effects of work-inducing neuro-emotional stress on the circadian rhythm of the autonomic nervous system] Zhizhin'ski K. **Gig Tr Prof Zabol** 1983 Nov;(11):6–9 (Eng. Abstr.) **(Rus)**

[Relation between intradiurnal dynamics of the development of terminal states in the neurosurgical patient and indices of autonomic nervous system activity] Romodanov AP, et al. **Klin Khir** 1983 Dec;(12):8–11 (Eng. Abstr.) **(Rus)**

[Regulation of the cardiovascular and respiratory systems in patients with spinal cord injuries] Butukhanov VV. **Ortop Travmatol Protez** 1983 Sep;(7):21–3 (Eng. Abstr.) **(Rus)**

[Structure of nocturnal sleep in functional urination disorders in children] Glybin AS, et al. **Pediatriia** 1983 Oct;(10):36–40 (Eng. Abstr.) **(Rus)**

[The Kerdo index in patients with borderline arterial hypertension during different periods of physical activity] Zolotarev AE, et al. **Vrach Delo** 1983 Jul;(7):69–72 **(Rus)**

[Various aspects of the pathophysiology of the Tourette syndrome] Shchekunov EL, et al. **Zh Nevropatol Psikhiatr** 1984;84(3):359–64 (Eng. Abstr.) **(Rus)**

[Changes in energy metabolism in several brain regions and vegetative responses of white rats during neurotization] Gulinaeva NV, et al. **Zh Vyssh Nerv Deiat** 1984 May–Jun; 34(3):554–9 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Behavioral and autonomic thermoregulation in mice exposed to microwave radiation. Gordon CJ. **J Appl Physiol** 1983 Oct;55(4):1242–8

ULTRASTRUCTURE

Electron microscope study on the innervation of guinea pig liver—proposal of sensory nerve terminals in the hepatic parenchyme. Ohata M. **Arch Histol Jpn** 1984 Jun; 47(2):149–78

[Autonomic nerve innervation of retinal vessels in rabbit, human and rat eyes] Furukawa H, et al. **Nippon Ganka Gakkai Zasshi** 1984 Apr;88(4):668–75 (Eng. Abstr.) **(Jpn)**

[Perineural invasion of pancreas head carcinoma] Matsuda M, et al. **Nippon Geka Gakkai Zasshi** 1983 Aug; 84(8):719–28 (Eng. Abstr.) **(Jpn)**

AUTONOMIC NERVOUS SYSTEM DISEASES

Diabetic autonomic neuropathy in children: immediate heart-rate response to standing. Mitchell EA, et al. **Aust Paediatr J** 1983 Sep;19(3):175–7

[Shy-Drager syndrome: report of a personal clinical experience] Carapezzi C, et al. **G Clin Med** 1983 Jul–Aug; 64(7–8):257–68 (Eng. Abstr.) **(Ita)**

BLOOD

Decreased response of epinephrine and norepinephrine to insulin-induced hypoglycemia in diabetic autonomic neuropathy. Horie H, et al. **Horm Metab Res** 1984 Aug; 16(8):398–401

[Changes in the mineral metabolism of neuroses patients with autonomic crises] Pankova OF, et al. **Sov Med** 1984;(1):55–9 (Eng. Abstr.) **(Rus)**

[Interpretation of laboratory tests in idiopathic orthostatic hypotension (letter)] Gómez Huelgas R, et al. **Med Clin (Barc)** 1984 May 19;82(19):863 **(Spa)**

CHEMICALLY INDUCED

Neuroleptic malignant syndrome complicated by disseminated intravascular coagulation. Eles GR, et al. **Arch Intern Med** 1984 Jun;144(6):1296–7

Cisplatin-induced autonomic neuropathy. Rosenfeld CS, et al. **Cancer Treat Rep** 1984 Apr;68(4):659–60
Neuroleptic malignant syndrome [letter] Feldman J. **JAMA** 1984 Feb 10;251(6):727–8

COMPLICATIONS

Prenalterol in the treatment of orthostatic hypotension in Shy–Drager syndrome. Goovaerts J, et al. **Acta Cardiol (Brux)** 1984;39(2):147–55
Acute dysautonomia and arteriovenous malformation of the brain stem. Monseu G, et al. **Acta Neurol Belg** 1983 Nov–Dec;83(5):233–45
Dysautonomia in Guillain–Barré syndrome with dorsal root ganglioneuropathy, wallerian degeneration, and fatal myocarditis. Hodson AK, et al. **Ann Neurol** 1984 Jan; 15(1):88–95
Acute dysautonomia and polyneuropathy. Taubner RW, et al. **Arch Neurol** 1984 Oct;41(10):1100–1
Diabetic autonomic neuropathy and iritis: an association suggesting an immunological cause. Guy RJ, et al. **Br Med J [Clin Res]** 1984 Aug 11;289(6441):343–5
Friedreich's ataxia with dysautonomia and labile hypertension. Margalith D, et al. **Can J Neurol Sci** 1984 Feb;11(1):73–7
Autonomic neuropathy in leprosy. Kyriakidis MK, et al. **Int J Lepr** 1983 Sep;51(3):331–5
Renal and endocrine hypertension. A review. Chan JC. **Int J Pediatr Nephrol** 1983 Sep;4(3):187–96 (43 ref.)
Autonomic dysfunctions in asthma and thyrotoxicosis. Deshpande DV. **J Assoc Physicians India** 1983 May; 31(5):299–302
Autonomic neuropathy and hypertension in acute intermittent porphyria. Gupta GL, et al. **J Assoc Physicians India** 1983 Apr;31(4):259
Autonomic dysfunction in polyneuropathies: a report on 106 cases. Krone A, et al. **J Neurol** 1983;230(2):111–21
Stridor and obstructive sleep apnea in Shy–Drager syndrome treated by laryngofissure and cord lateralization. Kenyon GS, et al. **Laryngoscope** 1984 Aug;94(8):1106–8
Upper airway obstruction complicating the Shy–Drager syndrome. Gilmartin JJ, et al. **Thorax** 1984 Apr;39(4):313–4
Neuroleptic malignant syndrome. Nesemann ME, et al. **Wis Med J** 1984 Feb;83(2):12–4
[Autonomic nervous system–induced gynecological diseases and their treatment with physical factors] Markov M. **Akush Ginekol (Sofiia)** 1984;23(2):134–7 (Eng. Abstr.) **(Bul)**
[Bulbar paralytic symptoms including acute vocal cord paralysis in Shy–Drager syndrome] Flügel KA, et al. **Nervenarzt** 1984 Jun;55(6):293–8 **(Ger)**
[Management of micturitional disturbance in the patients with Shy–Drager syndrome. Part 2: Results of self catheterisation, uropharmacotherapy and transurethral resection of bladder neck] Yasuda K, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Oct;74(10):1844–50 (Eng. Abstr.) **(Jpn)**
[Case of acute polyradiculoneuropathy with various autonomic symptoms and amenorrhea–galactorrhea syndrome] Matsui M, et al. **Rinsho Shinkeigaku** 1983 Jun; 23(6):526–30 (Eng. Abstr.) **(Jpn)**
[Emotional–vegetative disorders in chronic diarrhea] Daletskaia GV, et al. **Sov Med** 1983;(9):14–7 (Eng. Abstr.) **(Rus)**
[Clinical picture and features of the dynamics of vegetative crises in patients with neurotic disorders] Pankova OF. **Zh Nevropatol Psikhiatr** 1983;83(11):1681–6 (Eng. Abstr.) **(Rus)**
[Pharyngolaryngeal disorders in Shy–Drager syndrome (letter)] Pujadas R, et al. **Med Clin (Barc)** 1983 Nov 26; 81(17):785 **(Spa)**

CONGENITAL

Congenital dysautonomia with secretory diarrhea. Hyman PE, et al. **J Pediatr Gastroenterol Nutr** 1983;2(3):563–6

DIAGNOSIS

Cardiac denervation in diabetes. Siow BL. **Ann Acad Med Singapore** 1983 Jul;12(3):479–87
Testing for autonomic neuropathy. Hilsted J. **Ann Clin Res** 1984;16(2):128–35 (67 ref.)
Quantitative sudomotor axon reflex test in normal and neuropathic subjects. Low PA, et al. **Ann Neurol** 1983 Nov; 14(5):573–80
Evaluation of screening tests for detecting sacral autonomic neuropathy in diabetes mellitus. A preliminary study. Booth CM, et al. **Br J Urol** 1984 Feb;56(1):31–4
Quantitative evaluation of sympathetic and parasympathetic control of iris function. Pfeifer MA, et al. **Diabetes Care** 1982 Sep–Oct;5(5):518–28
Shy–Drager syndrome presenting as depression: case report. Kwentus JA, et al. **J Clin Psychiatry** 1984 Mar;45(3):137–9
Shy–Drager syndrome. Afzal S, et al. **J Indian Med Assoc** 1984 Feb;82(2):64–6
Isolated ictal autonomic symptoms in complex partial seizures [letter] Drake ME. **J Neurol Neurosurg Psychiatry** 1984 Jan;47(1):100–1
Acute autonomic neuropathy following primary herpes simplex infection. Neville BG, et al. **J Neurol Neurosurg Psychiatry** 1984 Jun;47(6):648–50
[Digestive system and bladder manifestations in diabetic autonomic neuropathy] Manolov D. **Vutr Boles** 1984; 23(2):38–43 (45 ref.) (Eng. Abstr.) **(Bul)**
[Neuropathy of the autonomic nervous system in preclinical and manifest diabetes] Dvořáková L, et al. **Cas Lek Cesk** 1983 Sep 2;122(35):1061–6 (Eng. Abstr.) **(Cze)**
[Assessment of cardiovascular tests in the diagnosis of diabetic autonomic neuropathies] Fernandez–Castañer M, et al. **Diabete Metab** 1983 Dec;9(4):264–71 (Eng. Abstr.) **(Fre)**
[Shy–Drager disease. Apropos of 5 cases including 1 with anatomical study] Leys D, et al. **LARC Med** 1983 Oct; 3(8):531–4 **(Fre)**
[Spontaneous rhythms of the cardiovascular system in autonomic diabetic neuropathy] Aisch W, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1984 Jan;36(1):26–31 (Eng. Abstr.) **(Ger)**
[Application of medical thermographic studies for autonomic nervous function] Hanakago R. **No To Shinkei** 1984 May; 36(5):453–64 **(Jpn)**
[Autonomic function test using R–R interval variation in ECG] Kageyama S. **No To Shinkei** 1984 May;36(5):433–9 **(Jpn)**
[Psychic and autonomic disorders in biliary dyskinesia] Bratoliubova TN, et al. **Klin Med (Mosk)** 1983 Nov; 61(11):133–5 (Eng. Abstr.) **(Rus)**
[Clinical manifestations of the ciliary ganglion syndrome] Vints LA. **Voen Med Zh** 1983 Nov;(11):64–5 **(Rus)**
[Electroencephalographic studies in children and adolescents with cerebral vegetative disorders] Ismagilov MF, et al. **Zh Nevropatol Psikhiatr** 1983;83(10):1503–6 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

A double blind placebo controlled trial of mixed gangliosides in diabetic peripheral and autonomic neuropathy. Abraham RR, et al. **Adv Exp Med Biol** 1984;174:607–24
Effect of prenalterol on orthostatic hypotension in the Shy–Drager syndrome. Goovaerts J, et al. **Br Med J [Clin Res]** 1984 Mar 17;288(6420):817–8
[Clinico–pharmacologic analysis neurovegetotropic activity of tranquilizers] Aleksandrovskiĭ IuA, et al. **Zh Nevropatol Psikhiatr** 1984;84(5):743–50 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Dysautonomia in acute hemorrhagic conjunctivitis [letter] Rana PV, et al. **J Assoc Physicians India** 1983 Dec; 31(12):813
[Neurovegetative reactivity among female workers systematically locally exposed to cold and overexertion] Stoĭneva Z, et al. **Probl Khig** 1983;8:89–93 (Eng. Abstr.) **(Rus)**
[Autonomic nervous system disorders in patients with Sonne and Flexner's dysentery] Karasovskaia LF. **Vrach Delo** 1983 Jun;(6):112–3 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Familial amyloid polyneuropathy: a new kinship of German ancestry. O'Connor CR, et al. **Neurology (NY)** 1984 Aug; 34(8):1096–9

IMMUNOLOGY

Encephalopathy, peripheral neuropathy, dysautonomia, myasthenia gravis, malignant thymoma, and antiacetylcholine receptor antibodies in the CSF. Bogousslavsky J, et al. **Eur Neurol** 1983;22(5):301–6

METABOLISM

Corticotropin production by tumors of the autonomic nervous system. Grizzle WE, et al. **Arch Pathol Lab Med** 1984 Jul;108(7):545–50
Norepinephrine secretion and production in diabetic autonomic neuropathy. Hoeldtke RD, et al. **J Clin Endocrinol Metab** 1984 Aug;59(2):246–52

OCCURRENCE

Autonomic neuropathy in a diabetic clinic. Burke CM, et al. **Ir Med J** 1984 Jul;77(7):202–5

PATHOLOGY

An autopsy case of acute porphyria with a decrease of both uroporphyrinogen I synthetase and ferrochelatase activities. Yamada M, et al. **Acta Neuropathol (Berl)** 1984; 64(1):6–11
Diabetic gastroparesis from autonomic neuropathy: surgical considerations and changes in vagus nerve morphology. Guy RJ, et al. **J Neurol Neurosurg Psychiatry** 1984 Jul; 47(7):686–91
Length–dependent degeneration of fibers in Portuguese amyloid polyneuropathy: a clinicopathologic study. Said G, et al. **Neurology (NY)** 1984 Aug;34(8):1025–32
[Ultrastructure of diabetic autonomic neuropathy of the gastrointestinal tract] Schmidt H, et al. **Klin Wochenschr** 1984 May 2;62(9):399–405 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Influence of autonomic neuropathy on leg circulation and toe temperature in diabetes mellitus. Sundkvist G, et al. **Acta Med Scand [Suppl]** 1984;687:9–15
Abnormal respiratory pattern generation during sleep in patients with autonomic dysfunction [letter] Guilleminault C, et al. **Am Rev Respir Dis** 1984 Mar;129(3):512–3
Autonomic nervous system function in genetic neuromuscular disorders. Hereditary motor–sensory neuropathy and myotonic dystrophy. Bird TD, et al. **Arch Neurol** 1984 Jan;41(1):43–6
Autonomic dysfunction and sleep apnea in olivopontocerebellar degeneration. Chokroverty S, et al. **Arch Neurol** 1984 Sep;41(9):926–31
Diminished bronchial reactivity to cold air in diabetic patients with autonomic neuropathy. Heaton RW, et al. **Br Med J [Clin Res]** 1984 Jul 21;289(6438):149–51
Abnormalities of heart rate and arterial blood pressure regulation in diabetes mellitus. Relation with age, duration of diabetes and presence of peripheral neuropathy. Beylot M, et al. **Diabete Metab** 1983 Sep;9(3):204–11
Hemodynamics in Shy–Drager syndrome and treatment with indomethacin. Tsuda Y, et al. **Eur Neurol** 1983;22(6):421–7
Autonomic degeneration and altered blood pressure control in humans. Ziegler MG, et al. **Fed Proc** 1984 Jan;43(1):62–6
The mechanism of aldosterone response to furosemide test in patients with Shy–Drager syndrome. Sasaki K, et al. **Horm Metab Res** 1983 Dec;15(12):610–5
Increased vascular beta2–adrenoceptor responsiveness in autonomic dysfunction. Robertson D, et al. **J Am Coll Cardiol** 1984 Mar;3(3):850–6
Autonomic neuropathy in the alloxan–diabetic rat. Tomlinson DR, et al. **J Auton Pharmacol** 1983 Dec;3(4):257–63
[Diabetes mellitus, neuropathy of the autonomic nervous system and analysis of cardiovascular reflex activity] Wieling W, et al. **Ned Tijdschr Geneeskd** 1983 Dec 31; 127(53):2403–7 **(Dut)**
[The abnormal ECG and the appearance of methacholine–induced arrhythmias in SART mice and effects of beta–blockers, oxprenolol, propranolol, and carteolol] Hata T, et al. **Nippon Yakurigaku Zasshi** 1984 May;83(5):413–24 (Eng. Abstr.) **(Jpn)**
[A case of acute autonomic neuropathy] Yasuda T, et al. **No To Hattatsu** 1984;16(3):218–23 (Eng. Abstr.) **(Jpn)**
[Tuberoinfundibular dopaminergic system in Shy–Drager syndrome] Konagaya Y, et al. **Rinsho Shinkeigaku** 1983 Oct;23(10):861–6 (Eng. Abstr.) **(Jpn)**
[Autonomic nervous system damage in diabetes mellitus and cardiac function] Brużyc L, et al. **Pol Arch Med Wewn** 1983 Apr–May;69(4–5):259–65 (Eng. Abstr.) **(Pol)**
[Role of cerebral mechanisms in the development of arterial hypotension] Shutov AA, et al. **Zh Nevropatol Psikhiatr** 1983;83(10):1509–17 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

[Disorders of vegetative regulation in endogenous depression] Strzyżewski W, et al. **Psychiatr Pol** 1983;17(1):71–5 (40 ref.) **(Pol)**
[Situationally conditioned compensatory and decompensatory reactions in infantile cerebral palsy] Kalizhniuk ES. **Zh Nevropatol Psikhiatr** 1983;83(10):1552–6 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

[Clinical significance of symmetric basal ganglia calcification] Stellamor V, et al. **Acta Med Austriaca** 1984;11(1):23–8 (Eng. Abstr.) **(Ger)**

REHABILITATION

[Management of micturitional disturbance in the patients with Shy–Drager syndrome. Part 1. Relation to the activity of daily living] Yasuda K, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Oct;74(10):1837–43 (Eng. Abstr.) **(Jpn)**

THERAPY

Programmed atrial pacing for orthostatic hypotension. Kristinsson A. **Acta Med Scand** 1983;214(1):79–83
Parturient with spinal cord transection: complications of autonomic hyperreflexia [letter] Spielman FJ. **Obstet Gynecol** 1984 Jul;64(1):147–8

VETERINARY

Observations on the feline dilated pupil syndrome. Barnett KC. **Vet Rec** 1984 Apr 7;114(14):351
Catecholamines in equine grass sickness. Hodson NP, et al. **Vet Rec** 1984 Jul 7;115(1):18–9

AUTOPHAGOCYTOSIS see under **PHAGOCYTOSIS**

AUTOPROTHROMBIN III see **FACTOR X**

AUTOPSY

Annual of pathological autopsy cases in Japan. Computerization of autopsy data from 1974 to 1979 and their statistical study. Urano Y, et al. **Acta Pathol Jpn** 1982; 32 Suppl 1:23–46
Safe decontamination of hospital autopsy rooms and ventilation system by formaldehyde generation. Coldiron VR, et al. **Am Ind Hyg Assoc J** 1984 Feb;45(2):136–7
Medicolegal autopsies in India. Delay and nonperformance—adverse effects. Das Gupta SM, et al.

Am J Forensic Med Pathol 1984 Mar;5(1):79–82

Revitalizing the ultimate medical consultation. College of American Pathologists Foundation Conference on the Autopsy. Snowmass, Colo., July 20–23, 1983. **Arch Pathol Lab Med** 1984 Jun;108(6):437–512

The autopsy as an instrument of quality assessment. Classification of premortem and postmortem diagnostic discrepancies. Anderson RE. **Arch Pathol Lab Med** 1984 Jun;108(6):490–3

The autopsy as a vehicle for the lifetime education of pathologists. Berthrong M. **Arch Pathol Lab Med** 1984 Jun; 108(6):506–9

Lay perceptions of autopsy. Brown HG. **Arch Pathol Lab Med** 1984 Jun;108(6):446–8

The concordance score. Correlation of clinical and autopsy findings. Friederici HH, et al. **Arch Pathol Lab Med** 1984 Jun;108(6):515–7

Autopsies in a modern teaching hospital. A review of 2,537 cases. Friederici HH, et al. **Arch Pathol Lab Med** 1984 Jun;108(6):518–21

An argument for the attendance of clinicians at autopsy. Friederici HH, et al. **Arch Pathol Lab Med** 1984 Jun; 108(6):522–3

The autopsy. The ultimate audit. Gambino SR. **Arch Pathol Lab Med** 1984 Jun;108(6):444–5

Religious attitudes and the autopsy. Geller SA. **Arch Pathol Lab Med** 1984 Jun;108(6):494–6

College of American Pathologists Foundation Conference on the Autopsy. Conference recommendations. Hill RB Jr. **Arch Pathol Lab Med** 1984 Jun;108(6):512

Forensic pathology and the autopsy. Hirsch CS. **Arch Pathol Lab Med** 1984 Jun;108(6):484–9

Talking to the family after an autopsy. Hirsch CS. **Arch Pathol Lab Med** 1984 Jun;108(6):513–4

Potential of the autopsy. King DW. **Arch Pathol Lab Med** 1984 Jun;108(6):439–43

Medicine without the autopsy. Lundberg GD. **Arch Pathol Lab Med** 1984 Jun;108(6):449–54

The autopsy and cancer. Silverberg SG. **Arch Pathol Lab Med** 1984 Jun;108(6):476–8

One department's experience with increasing the autopsy rate. Smith RD, et al. **Arch Pathol Lab Med** 1984 Jun; 108(6):455–7

Loss control/risk management. A survey of the contribution of autopsy examination. Valaske MJ. **Arch Pathol Lab Med** 1984 Jun;108(6):462–8

The postautopsy conference with families. Valdes-Dapena M. **Arch Pathol Lab Med** 1984 Jun;108(6):497–8

The value of the autopsy for understanding cardiovascular disease. Past, present, and future. Wissler RW. **Arch Pathol Lab Med** 1984 Jun;108(6):479–83

A review of failure to obtain autopsy. Burns RJ. **Aust Clin Rev** 1983 Sep;(10):16–8

The value of the autopsy in medical audit—a combined clinical and pathological assessment of 100 cases. Pounder DJ, et al. **Aust NZ J Med** 1983 Oct;13(5):478–82

Disseminated varicella at autopsy in children with cancer. Miliauskas JR, et al. **Cancer** 1984 Apr 1;53(7):1518–25

The efficacy of the autopsy in medical quality assurance. Saladino AJ. **Clin Lab Med** 1984 Mar;4(1):165–84

Analysis of 256 autopsies at the Department of Pathology, Addis Ababa University. Gebre-Selassie L. **Ethiop Med J** 1984 Jan;22(1):29–33

The importance of medico-legal autopsies. An analysis of the complex problems regarding damages. Asnaes S. **Forensic Sci Int** 1983 Nov-Dec;23(2-3):123–7

Computer storage of toxicology methods and postmortem drug determinations. Lewin JF, et al. **Forensic Sci Int** 1983 Nov-Dec;23(2-3):225–32

Slow death of the autopsy [letter] Smith JH. **Hum Pathol** 1984 Feb;15(2):198–9

Monitoring of adverse drug reactions by means of autopsy tissue examination. Mikhael NZ, et al. **Hum Toxicol** 1984 Apr;3(2):133–40

Correlation of two-dimensional echocardiographic and autopsy findings in complete transposition of the great arteries. Daskalopoulos DA, et al. **J Am Coll Cardiol** 1983 Dec;2(6):1151–7

Effects of postmortem delay and temperature on neurotransmitter receptor binding in a rat model of the human autopsy process. Whitehouse PJ, et al. **J Neurochem** 1984 Aug;43(2):553–9

The county medical examiners and the Tennessee SIDS Program. **J Tenn Med Assoc** 1984 Feb;77(2):89, 91

Declining autopsy rates and diagnosis of myocardial infarction [letter] Altman LK. **JAMA** 1984 May 4; 251(17):2208–10

Value of the autopsy [letter] Dickson LG. **JAMA** 1984 Jan 20;251(3):341

The Archives of Pathology and Laboratory Medicine and the autopsy [editorial] Lundberg GD. **JAMA** 1984 Jul 20; 252(3):390–2

Forensic odontology: an application for the Army dentist. Brannon LS. **Milit Med** 1983 Aug;148(8):655–9

Rabbinic comment: Autopsy. Feldman DM. **Mt Sinai J Med (NY)** 1984 Jan-Feb;51(1):82–5

Autopsy. Geller SA. **Mt Sinai J Med (NY)** 1984 Jan-Feb; 51(1):77–81

Perinatal autopsies [letter] **N Engl J Med** 1984 Feb 9; 310(6):393–5

Declining rate of autopsies [letter] Cohen M, et al. **N Engl J Med** 1984 May 10;310(19):1266

NMR reduces need for autopsies [letter] Brill CB. **Neurology (NY)** 1984 Feb;34(2):264

Herein death rejoices to aid the living. Warner KE. **Postgrad Med** 1984 Apr;75(5):221–2, 227

[Obtaining information from autopsies and its retrospective use] Bednář B. **Cas Lek Cesk** 1983 Oct 28;122(43):1327–9 (Eng. Abstr.) (Cze)

[Uniform autopsy record summaries] Roger FH. **Ann Pathol** 1983 Dec;3(4):341–6 (Eng. Abstr.) (Fre)

[Presence of the state attorney at forensic autopsy (paragraph 87 section 2 Criminal Code)] Metter D. **Beitr Gerichtl Med** 1984;42:23–6 (Eng. Abstr.) (Ger)

[Forensic medical and clinical autopsies in Finland] Penttilä A, et al. **Beitr Gerichtl Med** 1984;42:343–9 (Eng. Abstr.) (Ger)

[What additional information can be expected from x-ray studies following an autopsy?] Saternus KS, et al. **Beitr Gerichtl Med** 1983;41:333–8 (Eng. Abstr.) (Ger)

[Autopsy in Scandinavia] Saukko P. **Beitr Gerichtl Med** 1984; 42:339–41 (Ger)

[Neuropathology in the autopsy] Stochdorph O. **Pathologe** 1983 Sep;4(5):219–24 (Ger)

[What do the autopsy findings tell us today? Roundtable conference] Möbius G, et al. **Z Arztl Fortbild (Jena)** 1984; 78(10): 409–20 (Ger)

[Are autopsies necessary and why? (editorial)] Wolman M. **Harefuah** 1984 Jan 1;106(1):48–50 (Heb)

[Autopsy of 100 patients from nursing and old age homes in Oslo. 1) How correct are the clinical diagnoses? 2) What are the causes of death in aged patients?] Løken AC, et al. **Tidsskr Nor Laegeforen** 1984 Jun 20; 104(17–18):1197–203 (Eng. Abstr.) (Nor)

[Distribution of ethanol in cadaver organs in death from acute alcoholic intoxication] Lavreshin An, et al. **Sud Med Ekspert** 1983 Oct-Dec;26(4):34–6 (Eng. Abstr.) (Rus)

[Postmortem microbiology] Martín Alvarez R, et al. **Med Clin (Barc)** 1983 Nov 12;81(15):667–9 (Spa)

[Retrospective evaluation of the results of postmortem blood cultures carried out in a general hospital] Matas Andreu L, et al. **Med Clin (Barc)** 1983 Nov 12;81(15):662–4 (Eng. Abstr.) (Spa)

ECONOMICS

Reimbursement for autopsies. A personal view. Shapiro MJ. **Arch Pathol Lab Med** 1984 Jun;108(6):473–4

HISTORY

The case of Emmett-Dunne. A personal reminiscence. Emson HE. **Am J Forensic Med Pathol** 1983 Sep;4(3):255–8

Diagnostic advances v the value of the autopsy. 1912–1980. Goldman L. **Arch Pathol Lab Med** 1984 Jun;108(6):501–5

Autopsies at Newark City Hospital, 1908 to 1911. Sharpe WD. **J Med Soc NJ** 1984 Jan;81(1):53–62

[Third centenary of the birth of Giovanni Battista Morgagni (1682–1982): is there still need for the autopsy?] Thiene G, et al. **G Ital Cardiol** 1983 Oct;13(10):262–4 (Ita)

METHODS

Autopsy. The path to progress. Garcia JH, et al. **Ala J Med Sci** 1984 Jul;21(3):290–4

Limited autopsies. Defined benefits, limited costs. Dorsey DB. **Arch Pathol Lab Med** 1984 Jun;108(6):469–72

Maximizing the effectiveness of the autopsy in cases of sudden death. Morales AR, et al. **Arch Pathol Lab Med** 1984 Jun;108(6):460–1

The external autopsy examination revisited. Schneiderman H. **Conn Med** 1983 Sep;47(9):530–4

Examination of the exhumed body and embalming artifacts. Oxley DW. **Med Leg Bull** 1984 Jan-Feb;33(1):1–7

The value of autopsy bacteriology. A case report and review of techniques. Moar JJ, et al. **S Afr Med J** 1984 Aug 4; 66(5):192–3

[Differentially directed autopsy based on clinical data] Dorazilová V, et al. **Cas Lek Cesk** 1983 Oct 28; 122(43):1323–6 (Eng. Abstr.) (Cze)

[Repetition of the external inspection of the corpse as an aid in the assimilation of findings] Missliwetz J. **Arch Kriminol** 1984 Jan-Feb;173(1–2):45–9 (Ger)

[Use of cytologic methods in forensic pathology: literature review] Oehmichen M. **Beitr Gerichtl Med** 1984;42:27–40 (Eng. Abstr.) (Ger)

[Iatrogenic pathologic organ findings. A contribution to the identification of unknown cadavers] Vock R. **Beitr Gerichtl Med** 1984;42:187–95 (Eng. Abstr.) (Ger)

[A method of rapid extraction of the whole vertebral column during autopsy] Rodionov AA. **Arkh Patol** 1984;46(6):80–1 (Eng. Abstr.) (Rus)

[Method of studying diatomaceous plankton] Korsakov AL, et al. **Sud Med Ekspert** 1983 Oct-Dec;26(4):50–1 (Eng. Abstr.) (Rus)

STANDARDS

The autopsy—illusion and reality. Cameron HM. **Pathol Annu** 1983;18 Pt 2:333–45

[Protocol for perinatal postmortem examination] Laurini R, et al. **Tidsskr Nor Laegeforen** 1984 May 10;104(13):878–80 (Eng. Abstr.) (Nor)

VETERINARY

Necropsy procedures in birds. Graham DL. **Vet Clin North Am [Small Anim Pract]** 1984 Mar; 14(2):173–7

Postmortem examination of the heart. Liu SK. **Vet Clin North Am [Small Anim Pract]** 1983 May; 13(2):379–94

AUTORADIOGRAPHY

Technetium 99m autoradiography of labelled white cells. Barbu M, et al. **Acta Haematol (Basel)** 1984;71(1):13–7

Efferent innervation of vestibular receptors in the cat: a radioautographic visualization. Raymond J, et al. **Acta Otolaryngol (Stockh)** 1983 Nov-Dec;96(5–6):413–9

Autoradiographic demonstration of 3H-estradiol incorporation in benign human mammary lesions. Buell RH, et al. **Am J Clin Pathol** 1984 Jan;81(1):30–4

Detection of phospholipid biosynthetic enzyme activities in Saccharomyces cerevisiae by colony autoradiography. Homann MJ, et al. **Anal Biochem** 1983 Dec;135(2):447–52

Quantitative autoradiography of muscarinic cholinergic receptors in the rat brain. Nonaka R, et al. **Brain Res** 1984 Apr 2;296(2):295–303

Synthesis of membrane and secretory glycoproteins by the acinar pancreatic cells as visualized by radioautography. Haddad A, et al. **Cell Tissue Res** 1983;233(1):197–207

On the uniqueness of cerebral blood flow measured by the in vivo autoradiographic strategy and positron emission tomography. Howard BE, et al. **J Cereb Blood Flow Metab** 1983 Dec;3(4):432–41

Evaluation of [18F]-4-fluoroantipyrine as a new blood flow tracer for multiradionuclide autoradiography. Sako K, et al. **J Cereb Blood Flow Metab** 1984 Jun;4(2):259–63

Distribution of glucose-6-phosphatase activity in mice studied by in vitro whole-body autoradiography. Watanabe M, et al. **J Histochem Cytochem** 1983 Dec;31(12):1426–9

Phagocytosis and killing of Escherichia coli X43 by individual resident mouse peritoneal macrophages assessed by an autoradiographic technique. Rhodes JM, et al. **J Immunol Methods** 1984 Apr 13;69(1):105–13

An autoradiographic method for determining nutrient competition between leaf epiphytes and plant pathogens. Edwards MC, et al. **J Microsc** 1984 Feb;133 (Pt 2):205–12

An improved method for rapid electron microscopic autoradiography. Gregg M, et al. **J Microsc** 1984 Jul;135 (Pt 1):115–8

A combined light and electron microscopic method for the visualization of the same in vitro neuron by radioautography and serial sections. Vuillet J, et al. **J Microsc** 1984 Feb;133 (Pt 2):171–6

A grinding method for producing sections of large areas of plastic embedded tissues. Weber DF, et al. **J Microsc** 1982 Sep;127 (Pt 3):271–6

Combined immunocytochemistry and autoradiographic retrograde axonal tracing for identification of transmitters of projection neurons. Steindler DA, et al. **J Neurosci Methods** 1983 Nov;9(3):217–28

Electron microscopical autoradiography of [3H]choline fixed by phosphomolybdic acid in the motor nerve terminal. Tsuji S. **Neurosci Lett** 1984 Mar 23;45(2):151–6

Whole body autoradiography of 5-fluorouracil-6-14C in nude mice bearing murine leukemia cells P388. Kishida K, et al. **Radioisotopes** 1983 Sep;32(9):411–5

[Retention of indoles in the pineal organ of the bird (Melopsittacus undulatus, Shaw) during its preparation for radioautographic study] Balemans M, et al. **Biol Cell** 1983; 49(3):257–66 (Eng. Abstr.) (Fre)

[Importance of in vitro autoradiography for the assessment of bladder biopsies] Blume B, et al. **Acta Histochem [Suppl] (Jena)** 1984;30:105–9 (Ger)

[Histologic and autoradiographic studies on the significance and terminology of von Brunn's nests in biopsies of the bladder mucosa] Blume B, et al. **Zentralbl Allg Pathol** 1984; 129(2):119–25 (Eng. Abstr.) (Ger)

INSTRUMENTATION

A densitometer for quantitative autoradiography. Dauth GW, et al. **J Neurosci Methods** 1983 Nov;9(3):243–51

METHODS

Three-dimensional reconstruction of metabolic data from quantitative autoradiography of rat brain. Hibbard LS, et al. **Am J Physiol** 1984 Sep;247(3 Pt 1):E412–9

Radiochemical technique for intensification of underexposed autoradiographs. Owunwanne A. **Anal Biochem** 1984 Apr; 138(1):74–7

Spectrophotometric quantitation of silver grains eluted from autoradiograms. Suissa M. **Anal Biochem** 1983 Sep; 133(2):511–4

Improved coating and fixation methods for scanning electron microscope autoradiography. Weiss RL. **Biol Cell** 1984; 50(2):157–61

Improved resolution of the 2-deoxy-D-glucose technique. Hökfelt T, et al. **Brain Res** 1983 Dec 19;289(1–2):311–6

In defence of optical density ratios in 2-deoxyglucose autoradiography. Mitchell IJ, et al. **Brain Res** 1984 Apr 23;298(1):191–2

A method for measurement of arterial concentration of cerebral blood flow tracer for autoradiographic experiments. Menon D, et al. **Can J Neurol Sci** 1984 Aug;

11(3):380–2
Assessment of resolution by half distance values for tritium and radioiodine in electron microscopic radioautographs using Ilford L4 emulsion developed by 'solution physical' or D–19b methods. Kopriwa BM, et al. **Histochemistry** 1984;80(6):519–22
Improved method for processing autoradiographs of cells grown on multiwell plates. Ballou RJ, et al. **In Vitro** 1983 Nov;19(11):805–6
Whole-body autoradiography using 11C with double-tracer applications. d'Argy R, et al. **Int J Appl Radiat Isot** 1984 Feb;35(2):129–34
Microautoradiography of gamma-emitters: interest of latensification process. Wirquin E, et al. **Int J Appl Radiat Isot** 1984 Jun;35(6):489–93
Multiple-radionuclide autoradiography in evaluation of cerebral function. Lear JL, et al. **J Cereb Blood Flow Metab** 1984 Jun;4(2):264–9
Tritiated 2-deoxy-D-glucose: a high-resolution marker for autoradiographic localization of brain metabolism. Hammer RP Jr, et al. **J Comp Neurol** 1984 Jan 1;222(1):128–39
Demonstration of intracellular localization of calmodulin antagonist by wet-mounting radioautography. Ohno S, et al. **J Electron Microsc (Tokyo)** 1983;32(1):1–12
An improved method for freeze-fracture radioautography of tissues and cells, as applied to duodenal epithelium and thymic lymphocytes. Kan FW, et al. **J Histochem Cytochem** 1984 Jan;32(1):17–29
Image spread in dry-mounted tritium autoradiographs. Kent C, et al. **J Microsc** 1983 Nov;132 (Pt 2):235–8
Evaluation and interpretation of grain density autoradiographs by reflectance photometry. Mai JK, et al. **J Microsc** 1983 Oct;132 (Pt 1):9–19
Computer-assisted video analysis of [3H]spiroperidol binding autoradiographs. Altar CA, et al. **J Neurosci Methods** 1984 Mar;10(3):173–88
Computer-assisted three-dimensional and two-dimensional reconstructions of autoradiographic images of the cerebral cortex. Stein A, et al. **J Neurosci Methods** 1984 Mar; 10(3):189–98
Progesterone receptors in pituitary and brain: combined autoradiography-immunohistochemistry with tritium-labelled ligand and receptor antibodies. Stumpf WE, et al. **Mikroskopie** 1983 Dec;40(11–12):359–63
An improved technique for autoradiography of G-banded chromosomes. Brothman AR, et al. **Stain Technol** 1983 Mar;58(2):113–4
Spontaneous autoradiographic grain activation associated with mast cells in methacrylate plastic embedded tissue sections. Seelig LL Jr, et al. **Stain Technol** 1984 Jan; 59(1):43–7
[Isolation of neuropeptide receptors; morphological methods] Itoga E, et al. **Nippon Rinsho** 1983 May;41(5):1062–7 **(Jpn)**
[Whole body autoradiography by positron emitting radionuclides] Sato T, et al. **Radioisotopes** 1983 Dec; 32(12):617–22 (Eng. Abstr.) **(Jpn)**

AUTOREGULATION see **HOMEOSTASIS**

AUTOSOME ABNORMALITIES see **CHROMOSOME ABNORMALITIES**

AUTOSUGGESTION see under **SUGGESTION**

AUTOTRANSFUSION see **BLOOD TRANSFUSION, AUTOLOGOUS**

AUTOTRANSPLANT see **TRANSPLANTATION, AUTOLOGOUS**

AUXINS see under **PLANT GROWTH REGULATORS**

AVAILABILITY EQUIVALENCY see under **BIOLOGICAL AVAILABILITY**

AVAILABILITY OF HEALTH SERVICES see **HEALTH SERVICES ACCESSIBILITY**

AVERSIVE THERAPY

Treatment outcome and patient characteristics in an aversion therapy program for alcoholism. Wiens AN, et al. **Am Psychol** 1983 Oct;38(10):1089–96 (7 ref.)
Aversion therapy of cannabis dependence in Nigeria. Morakinyo O. **Drug Alcohol Depend** 1983 Nov;12(3):287–93
Drug-seeking behavior and its mediation: effects of aversion therapy with narcotic addicts on methadone. Houston CC, et al. **Int J Addict** 1983 Dec;18(8):1171–7
Selective inhibition of vocal reaction time to aversive words in the left visual field. Martin DG, et al. **Int J Neurosci** 1984 Jun;23(3):177–85

INSTRUMENTATION

A proposal for a monitoring and aversive feedback device to maintain drug abstinence or controlled drug use. Brown CJ. **Int J Addict** 1983 Oct;18(7):1029–31

METHODS

A comparison of cessation strategies for the outpatient alcoholic. Telch MJ, et al. **Addict Behav** 1984;9(1):103–9
Rapid smoking therapy safe and effective in COPD and CHD patients [news] **Am Fam Physician** 1983 Dec;28(6):235–6
Medical-behavioral treatment of the older alcoholic patient. Wiens AN, et al. **Am J Drug Alcohol Abuse** 1982–83; 9(4):461–75
Using water mist to reduce self-injurious and stereotypic behavior. Bailey SL, et al. **Appl Res Ment Retard** 1983; 4(3):229–41
Treating chronic aggression. Effects and side effects of response-contingent ammonia spirits. Doke L, et al. **Behav Modif** 1983 Oct;7(4):531–56
Cardiac response as an index of the effect of aversion therapy. Baker TB, et al. **Behav Res Ther** 1984;22(4):403–11
Covert sensitization, stimulus relevance and the equipotentiality premise. Clarke JC, et al. **Behav Res Ther** 1984;22(4):451–4
Taste-aversion retention: an animal experiment with implications for consummatory-aversion alcoholism treatments. Elkins RL. **Behav Res Ther** 1984;22(2):179–86
Aversive smoking therapies: a conditioning analysis of therapeutic effectiveness. Erickson LM, et al. **Behav Res Ther** 1983;21(6):595–611
Two-year efficacy and safety of rapid smoking therapy in patients with cardiac and pulmonary disease. Hall RG, et al. **J Consult Clin Psychol** 1984 Aug;52(4):574–81
Suppression of pica using brief-duration physical restraint. Winton AS, et al. **J Ment Defic Res** 1983 Jun;27 (Pt 2):93–103
Olfactory aversion conditioning and overeating: a review and some data. Cole AD, et al. **Percept Mot Skills** 1983 Oct; 57(2):667–78
Doing battle with impulsive disorders [letter] Kalivas J. **Pharos** 1983 Summer;46(3):44

AVIAN ARTHRITIS VIRUS see under **POXVIRIDAE**

AVIAN ENCEPHALOMYELITIS VIRUS see under **ENTEROVIRUSES**

AVIAN INFECTIOUS BRONCHITIS VIRUS see under **CORONAVIRIDAE**

AVIAN INFECTIOUS LARYNGOTRACHEITIS VIRUS see under **HERPESVIRIDAE**

AVIAN LEUKOSIS

ANALYSIS

Proteins encoded by v-myc and c-myc oncogenes: identification and localization in acute leukemia virus transformants and bursal lymphoma cell lines. Hann SR, et al. **Cell** 1983 Oct;34(3):789–98

CONGENITAL

New findings on the congenital transmission of avian leukosis viruses. Robinson HL, et al. **Science** 1984 Jul 27; 225(4660):417–9

ENZYMOLOGY

Catalase depression in malignant liver from chickens with myeloblastosis and Marek's disease. Williams-Smith DL, et al. **Br J Cancer** 1984 Sep;50(3):399–405

ETIOLOGY

The pathogenesis of oncogenic avian retroviruses. Enrietto PJ, et al. **Adv Cancer Res** 1983;39:269–314 (189 ref.)
[Mechanism of virus-induced leukemogenesis in an animal model system] Graf T. **Klin Padiatr** 1984 May-Jun; 196(3):125–9 (Eng. Abstr.) **(Ger)**

FAMILIAL & GENETIC

Inhibition of the initiation of leukemic transcription by N-trifluoroacetyladriamycin-14-O-hemiadipate in vitro. Impaired formation of RNA polymerase-DNA complex. Chuang LF, et al. **J Biol Chem** 1984 Sep 25;259(18):11391–5
Simple construction of human c-myc gene implicated in B-cell neoplasmas and its relationship with avian v-myc and human lymphokines. Ohno S, et al. **Scand J Immunol** 1983 Nov;18(5):373–88 (24 ref.)
[Experimental studies of malignancy and carcinogenesis of avian leukemia cells] Löliger HC, et al. **DTW** 1983 Sep 8;90(9):343–8 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Genetic resistance to Leukosis virus infection: effects on mortality and egg production in Leghorn hens. Hartmann W, et al. **Br Poult Sci** 1984 Jan;25(1):43–52
Avian leukosis virus infection: analysis of viremia and DNA integration in susceptible and resistant chicken lines. Baba TW, et al. **J Virol** 1984 Jul;51(1):123–30

METABOLISM

On the possible presence of a beta 2-microglobulin-like protein in extracts of livers from normal chickens and chickens with erythroblastosis—V. Studies on an immunological relationship of a small molecular weight liver protein (SMWP) to serum albumin. Darcel CL. **Comp Biochem Physiol [B]** 1983;76(3):423–7

MICROBIOLOGY

Effect of glutaurine on liver tumour development and acute leukaemia induced by MC29 virus in turkey poults. Nagy K, et al. **Acta Microbiol Hung** 1983;30(1):37–42
Distribution of lymphoid leukosis virus and p27 group-specific antigen in tissues from laying hens. Spencer JL, et al. **Avian Dis** 1984 Apr-Jun;28(2):358–73
Differential response to avian leukosis virus infection exhibited by two chicken lines. Baba TW, et al. **Virology** 1984 May;135(1):181–8
Rapid induction of osteopetrosis by subgroup E recombinant viruses. Morgan JH, et al. **Virology** 1983 Sep;129(2):493–500

OCCURRENCE

Incidence of avian leukosis virus infection in broiler stocks and its effect on early growth. Crittenden LB, et al. **Poult Sci** 1983 Dec;62(12):2383–6

PATHOLOGY

Target cells for avian myeloblastosis virus in embryonic yolk sac and relationship of cell differentiation to cell transformation. Boettiger D, et al. **J Virol** 1984 Mar; 49(3):841–7
Establishment and characteristics of cultured lymphoid tumor cell line derived from avian lymphoid leukosis. Ishii H, et al. **Nippon Juigaku Zasshi** 1983 Aug;45(4):519–23

PHYSIOPATHOLOGY

The effects of geographical area, rearing method, caging density, and lymphoid leukosis infection on adult performance in egg stocks of chickens. Fairfull RW, et al. **Poult Sci** 1983 Dec;62(12):2360–70

PREVENTION & CONTROL

[2 field trials for the study of the possible effects of avian leukosis control measures on production characteristics] Goosen H, et al. **Tijdschr Diergeneeskd** 1983 Nov 15; 108(22):855–63 (Eng. Abstr.) **(Dut)**

TRANSMISSION

Avian leukosis virus infection and congenital transmission in lines of chickens resisting selection for reduced shedding. Fadly AM, et al. **Avian Dis** 1983 Jul-Sep;27(3):584–93
Identification of broiler breeders congenitally transmitting avian leukosis virus by enzyme-linked immunosorbent assay. Crittenden LB, et al. **Poult Sci** 1984 Mar;63(3):492–6

AVIAN LEUKOSIS-SARCOMA VIRUSES

ANALYSIS

Characteristics and regulation of interaction of avian retrovirus pp12 protein with viral RNA. Leis J, et al. **J Virol** 1983 Nov;48(2):361–9

ENZYMOLOGY

Monoclonal antibodies specific for the avian sarcoma virus transforming protein pp60src. Tanaka T, et al. **Virology** 1984 Feb;133(1):202–10

GENETICS

Avidin is induced in chicken embryo fibroblasts by viral transformation and cell damage. Korpela J, et al. **EMBO J** 1983;2(10):1715–9
Replication of endogenous avian retrovirus in permissive and nonpermissive chicken embryo fibroblasts. Humphries EH, et al. **J Virol** 1984 Jun;50(3):748–58
A common onc gene sequence transduced by avian carcinoma virus MH2 and by murine sarcoma virus 3611. Kan NC, et al. **Science** 1984 Feb 24;223(4638):813–6

IMMUNOLOGY

A rapid detection of avian oncovirus group-specific antigens in feather pulp by the enzyme-linked immunosorbent assay. Korec E, et al. **Folia Biol (Praha)** 1984;30(1):15–23
Monoclonal antibodies specific for the virion polypeptide, p27, of avian retroviruses. Parsons SJ, et al. **Hybridoma** 1984;3(1):25–31

PATHOGENICITY

[Experimental studies of malignancy and carcinogenesis of avian leukemia cells] Löliger HC, et al. **DTW** 1983 Sep 8;90(9):343–8 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

The pathogenesis of oncogenic avian retroviruses. Enrietto PJ, et al. **Adv Cancer Res** 1983;39:269–314 (189 ref.)

AVIAN LEUKOSIS VIRUSES

Yellow fever vaccine and avian leukosis virus [letter] Nottebart HC Jr. **Ann Intern Med** 1984 Jul;101(1):148
Proteins encoded by v-myc and c-myc oncogenes: identification and localization in acute leukemia virus transformants and bursal lymphoma cell lines. Hann SR, et al. **Cell** 1983 Oct;34(3):789–98

Morphological transformation, autonomous proliferation and colony formation by chicken heart mesenchymal cells infected with avian sarcoma, erythroblastosis and myelocytomatosis viruses. Balk SD, et al. **Life Sci** 1984 Sep 10;35(11):1157–71

ANALYSIS

Presence of actin in oncornaviruses. Stanislawsky L, et al. **Biochem Biophys Res Commun** 1984 Jan 30;118(2):580–6
Amphiphilic properties of the avian myeloblastosis virus major glycoprotein, gp 80. Marciani DJ. **J Cell Biochem** 1983;22(4):209–17

DRUG EFFECTS

Effect of glutaurine on liver tumour development and acute leukaemia induced by MC29 virus in turkey poults. Nagy K, et al. **Acta Microbiol Hung** 1983;30(1):37–42

ENZYMOLOGY

Mechanism of RNA primer removal by the RNase H activity of avian myeloblastosis virus reverse transcriptase. Champoux JJ, et al. **J Virol** 1984 Mar;49(3):686–91
Interactions between avian myeloblastosis reverse transcriptase and tRNATrp. Mapping of complexed tRNA with chemicals and nucleases. Garret M, et al. **Nucleic Acids Res** 1984 Mar 12;12(5):2259–71
Targeted mutagenesis in vitro: lac repressor mutations generated using AMV reverse transcriptase and dBrUTP. Mott JE, et al. **Nucleic Acids Res** 1984 May 25; 12(10):4139–52

GENETICS

Structural analysis of RNA subunits from avian myeloblastosis virus (AMV). Korb J, et al. **Acta Virol (Praha)** 1983 Jul;27(4):299–310
Avian retrovirus pp32 DNA binding protein. Preferential binding to the promoter region of long terminal repeat DNA. Knaus RJ, et al. **Biochemistry** 1984 Jan 17; 23(2):350–9
Temperature-sensitive mutants of avian erythroblastosis virus: surface expression of the erbB product correlates with transformation. Beug H, et al. **Cell** 1984 Apr; 36(4):963–72
Subcellular localization of proteins encoded by oncogenes of avian myeloblastosis virus and avian leukemia virus E26 and by chicken c-myb gene. Klempnauer KH, et al. **Cell** 1984 Jun;37(2):537–47
The erbB gene of avian erythroblastosis virus is a member of the src gene family. Yamamoto T, et al. **Cell** 1983 Nov; 35(1):71–8
Myeloblasts transformed by the avian acute leukemia virus E26 are hormone-dependent for growth and for the expression of a putative myb-containing protein, p135 E26. Beug H, et al. **EMBO J** 1982;1(9):1069–73
Association of gag-myc proteins from avian myelocytomatosis virus wild-type and mutants with chromatin. Bunte T, et al. **EMBO J** 1982;1(8):919–27
The second oncogene mil of avian retrovirus MH2 is related to the src gene family. Galibert F, et al. **EMBO J** 1984 Jun;3(6):1333–8
Two unrelated cell-derived sequences in the genome of avian leukemia and carcinoma inducing retrovirus MH2. Jansen HW, et al. **EMBO J** 1983;2(11):1969–75
Isolation and characterization of multiple human genes homologous to the oncogenes of avian erythroblastosis virus. Jansson M, et al. **EMBO J** 1983;2(4):561–5
The human DNA locus related to the oncogene myb of avian myeloblastosis virus (AMV): molecular cloning and structural characterization. Leprince D, et al. **EMBO J** 1983;2(7):1073–8
Quail embryo fibroblasts transformed by four v-myc-containing virus isolates show enhanced proliferation but are non tumorigenic. Palmieri S, et al. **EMBO J** 1983;2(12):2385–9
Two different types of transcription for the myelocytomatosis viruses MH2 and CMII. Saule S, et al. **EMBO J** 1983; 2(6):805–9
Molecular cloning and characterization of the chicken DNA locus related to the oncogene erbB of avian erythroblastosis virus. Sergeant A, et al. **EMBO J** 1982;1(2):237–42
Comparison of genome structures among three different strains of avian erythroblastosis virus. Nishida T, et al. **Gann** 1984 Apr;75(4):325–33
High-level expression in Escherichia coli of the carboxy-terminal sequences of the avian myelocytomatosis virus (MC29) v-myc protein. Lautenberger JA, et al. **Gene** 1983 Jul;23(1):75–84
Candidate products of avian myeloblastosis virus oncogene region produced by in vitro translation of genomic RNA. Wright SE, et al. **Intervirology** 1984;21(1):17–24
Transduction of c-myb into avian myeloblastosis virus: locating points of recombination within the cellular gene. Klempnauer KH, et al. **J Virol** 1983 Dec;48(3):565–72
Two strains of avian sarcoma virus newly isolated from chick fibrosarcomas induced by lymphatic leukemia virus subgroup A in two lines of chickens. Hihara H, et al. **JNCI** 1984 Mar;72(3):631–5
Identification of a form of the avian erythroblastosis virus erb-B gene product at the cell surface. Hayman MJ, et al. **Nature** 1984 May 31–Jun 6;309(5967):460–2
Homologous cell-derived oncogenes in avian carcinoma virus MH2 and murine sarcoma virus 3611. Jansen HW, et al. **Nature** 1984 Jan 19–25;307(5948):281–4
A putative second cell-derived oncogene of the avian leukaemia retrovirus E26. Leprince D, et al. **Nature** 1983 Nov 24–30;306(5941):395–7
Tripartite structure of the avian erythroblastosis virus E26 transforming gene. Nunn MF, et al. **Nature** 1983 Nov 24–30;306(5941):391–5
Alteration of c-myc chromatin structure by avian leukosis virus integration. Schubach W, et al. **Nature** 1984 Feb 23–29;307(5953):702–8
Avian myeloblastosis virus and E26 virus oncogene products are nuclear proteins. Boyle WJ, et al. **Proc Natl Acad Sci USA** 1984 Jul;81(14):4265–9
Structural organization and expression of human DNA sequences related to the transforming gene of avian myeloblastosis virus. Franchini G, et al. **Proc Natl Acad Sci USA** 1983 Dec;80(24):7385–9
The membrane glycoprotein encoded by the retroviral oncogene v-erb-B is structurally related to tyrosine-specific protein kinases. Privalsky ML, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(3):704–7
Nucleotide sequence 5' of the chicken c-myc coding region: localization of a noncoding exon that is absent from myc transcripts in most avian leukosis virus-induced lymphomas. Shih CK, et al. **Proc Natl Acad Sci USA** 1984 Aug;81(15):4697–701
Proviral deletions and oncogene base-substitutions in insertionally mutagenized c-myc alleles may contribute to the progression of avian bursal tumors. Westaway D, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(3):843–7
Cellular homologs of the avian erythroblastosis virus erb-A and erb-B genes are syntenic in mouse but asyntenic in man. Zabel BU, et al. **Proc Natl Acad Sci USA** 1984 Aug; 81(15):4874–8
Avian leukosis viruses and cancer: genetics of insertional mutagenesis. Robinson HL. **Prog Nucleic Acid Res Mol Biol** 1983;29:127–36
Sequencing the erbA gene of avian erythroblastosis virus reveals a new type of oncogene. Debuire B, et al. **Science** 1984 Jun 29;224(4656):1456–9
Regional assignment of human protooncogene c-myb to 6q21——qter. Zabel BU, et al. **Somatic Cell Mol Genet** 1984 Jan;10(1):105–8
Differential response to avian leukosis virus infection exhibited by two chicken lines. Baba TW, et al. **Virology** 1984 May;135(1):181–8
Individual ev loci determine characteristic patterns of endogenous retroviral envelope antigen expression during lymphocyte maturation. Ewert DL, et al. **Virology** 1984 Feb;133(1):128–36
Structural relationship between the chicken protooncogene c-mil and the retroviral oncogene v-mil. Jansen HW, et al. **Virology** 1984 Aug;137(1):217–24
Rapid induction of osteopetrosis by subgroup E recombinant viruses. Morgan JH, et al. **Virology** 1983 Sep;129(2):493–500
Subcellular localization of the v-erb-B protein, the product of a transforming gene of avian erythroblastosis virus. Privalsky ML, et al. **Virology** 1984 Jun;135(2):356–68
Site-specific mutagenesis of avian erythroblastosis virus: erb-B is required for oncogenicity. Sealy L, et al. **Virology** 1983 Oct 15;130(1):155–78
Site-specific mutagenesis of avian erythroblastosis virus: v-erb-A is not required for transformation of fibroblasts. Sealy L, et al. **Virology** 1983 Oct 15;130(1):179–94

IMMUNOLOGY

Genetic resistance to Leukosis virus infection: effects on mortality and egg production in Leghorn hens. Hartmann W, et al. **Br Poult Sci** 1984 Jan;25(1):43–52
Evidence that avian tumour virus-immune chicken sera recognize only viral structural antigens on the surface of avian tumour virus-infected cells. Qualtiere LF, et al. **J Gen Virol** 1983 Nov;64 (Pt 11):2387–97
Use of monoclonal antibodies against avian retroviral protein p19 for competitive radioimmunoassay and immunodiffusion. Poláková K, et al. **Neoplasma** 1983; 30(6):637–41
Production and characterization of monoclonal antibodies against avian myeloblastosis virus. Poláková K, et al. **Neoplasma** 1983;30(6):625–35
Identification of broiler breeders congenitally transmitting avian leukosis virus by enzyme-linked immunosorbent assay. Crittenden LB, et al. **Poult Sci** 1984 Mar;63(3):492–6

ISOLATION & PURIFICATION

Avian leukosis virus infection and congenital transmission in lines of chickens resisting selection for reduced shedding. Fadly AM, et al. **Avian Dis** 1983 Jul–Sep;27(3):584–93
Distribution of lymphoid leukosis virus and p27 group-specific antigen in tissues from laying hens. Spencer JL, et al. **Avian Dis** 1984 Apr–Jun;28(2):358–73
Influence of sex-linked feathering phenotypes of parents and progeny upon lymphoid leukosis virus infection status and egg production. Harris DL, et al. **Poult Sci** 1984 Mar; 63(3):401–13

METABOLISM

The transforming protein of the MC29-related virus CMII is a nuclear DNA-binding protein whereas MH2 codes for a cytoplasmic RNA-DNA binding polyprotein. Bunte T, et al. **EMBO J** 1983;2(7):1087–92
OK10-transformed cell lines: viral component generation and tumorigenicity. Pfeifer-Ohlsson S. **Intervirology** 1984; 21(3):121–33
Effects of phosphorylation of avian retrovirus nucleocapsid protein pp12 on binding of viral RNA. Leis J, et al. **J Biol Chem** 1984 Jun 25;259(12):7726–32

PATHOGENICITY

A recovered avian myelocytomatosis virus that induces lymphomas in chickens: pathogenic properties and their molecular basis. Enrietto PJ, et al. **Cell** 1983 Dec;35(2 Pt 1):369–79
Avian leukosis virus infection: analysis of viremia and DNA integration in susceptible and resistant chicken lines. Baba TW, et al. **J Virol** 1984 Jul;51(1):123–30
Specificity of avian leukosis virus-induced hyperlipidemia. Carter JK, et al. **J Virol** 1984 May;50(2):301–8
Infectivity of avian myelocytomatosis virus MC29 in rats. Altanerová V. **Neoplasma** 1983;30(5):533–40

PHYSIOLOGY

Neoplastic transformation by E26 leukemia virus is mediated by a single protein containing domains of gag and myb genes. Klempnauer KH, et al. **J Virol** 1984 Apr;50(1):280–3

AVIAN RETICULOENDOTHELIOSIS VIRUS see under **RETROVIRIDAE**

AVIAN SARCOMA

ETIOLOGY

The pathogenesis of oncogenic avian retroviruses. Enrietto PJ, et al. **Adv Cancer Res** 1983;39:269–314 (189 ref.)

FAMILIAL & GENETIC

Loss of proviral sequences in RSV-transformed mouse tumour cells accompanied by the formation of double-minute chromatin bodies. Sainerová H, et al. **Folia Biol (Praha)** 1983;29(6):403–11
Specificity of B genotype response to tumors induced by each of three subgroups of RSV. Brown DW, et al. **Immunogenetics** 1984;19(2):141–7
[Experimental studies of malignancy and carcinogenesis of avian leukemia cells] Löliger HC, et al. **DTW** 1983 Sep 8;90(9):343–8 (Eng. Abstr.) **(Ger)**

METABOLISM

Butyrate reversibly arrests the proliferation of normal and Rous sarcoma virus-infected chicken heart mesenchymal cells. Balk S, et al. **Life Sci** 1984 Feb 20;34(8):803–8
[Characterization of a transforming growth factor produced in rat cells transformed by an avian sarcoma virus] Hirai R, et al. **Gan To Kagaku Ryoho** 1984 Mar;11(3 Pt 2):607–13 (Eng. Abstr.) **(Jpn)**

AVIAN SARCOMA VIRUSES

Conditioned medium from a clonal Rous sarcoma virus transformed cerebellar cell line induces process extension in glial lines. Beutler D, et al. **Brain Res** 1983 Dec; 313(2):169–76
Cells with neuronal properties in permanent cultures of quail embryo neuroretinas infected with Rous sarcoma virus. Pessac B, et al. **Brain Res** 1983 Sep 19;275(1):53–9
Morphological transformation, autonomous proliferation and colony formation by chicken heart mesenchymal cells infected with avian sarcoma, erythroblastosis and myelocytomatosis viruses. Balk SD, et al. **Life Sci** 1984 Sep 10;35(11):1157–71

ANALYSIS

It is Rous sarcoma virus protein P12 and not P19 that binds tightly to Rous sarcoma virus RNA. Méric C, et al. **J Mol Biol** 1984 Mar 15;173(4):531–8
Isolation of monoclonal antibodies that recognize the transforming proteins of avian sarcoma viruses. Lipsich LA, et al. **J Virol** 1983 Nov;48(2):352–60

ENZYMOLOGY

Functional studies on the Rous sarcoma virus transforming gene product. Erikson RL. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1984; 17:457–8
Phosphorylation of glycerol by cAMP-dependent protein kinase: comparison with src kinase. Richert ND. **Biochem Int** 1983 Jan;6(1):63–9
The effect of quercetin on the phosphorylation activity of the Rous sarcoma virus transforming gene product in vitro and in vivo. Graziani Y, et al. **Eur J Biochem** 1983 Oct 3;135(3):583–9
Analysis of the catalytic domain of phosphotransferase activity of two avian sarcoma virus-transforming proteins. Brugge JS, et al. **J Biol Chem** 1984 Apr 10;259(7):4550–7
Monoclonal antibodies to Rous sarcoma virus pp60src react with enzymatically active cellular pp60src of avian and mammalian origin. Parsons SJ, et al. **J Virol** 1984 Aug; 51(2):272–82

Tyrosyl and cyclic AMP-dependent protein kinase activities in BHK cells that express viral pp60src. Clinton GM, et al. **Mol Cell Biol** 1984 May;4(5):973-7

Selective cleavage in the avian retroviral long terminal repeat sequence by the endonuclease associated with the alpha beta form of avian reverse transcriptase. Duyk G, et al. **Proc Natl Acad Sci USA** 1983 Nov;80(22):6745-9

Transforming protein of avian sarcoma virus UR2 is associated with phosphatidylinositol kinase activity: possible role in tumorigenesis. Macara IG, et al. **Proc Natl Acad Sci USA** 1984 May;81(9):2728-32

GENETICS

Susceptibility of Rous sarcoma virus-specific sequences integrated into SR-C3H/He mouse ascites sarcoma cell chromatin to DNase I and DNase II. Tsutsui K, et al. **Acta Med Okayama** 1983 Aug;37(4):283-9

Acquisition of host cell genetic information by avian sarcoma virus rescued from rat cells transformed by B77 virus. Kotler M, et al. **Arch Virol** 1984;80(4):249-64

RNAase-sensitive DNA-dependent DNA polymerase from rat cells transformed by avian sarcoma virus. Kotler M, et al. **Biochim Biophys Acta** 1984 Feb 24;781(1-2):92-9

Towards a biochemical description of malignant transformation. Identification and functional characterization of the Rous sarcoma virus transforming gene product. Erikson RL. **Cancer** 1984 May 15; 53(10):2041-5 (14 ref.)

Occurrence of the tumor-specific, calcium-binding protein, oncomodulin, in virally transformed normal rat kidney cells. Durkin JP, et al. **Cancer Res** 1983 Nov;43(11):5390-4

Isolation and partial purification of a new class of transforming growth factors from an avian sarcoma virus-transformed rat cell line. Hirai R, et al. **Cancer Res** 1983 Dec;43(12 Pt 1):5742-6

Differences in calmodulin levels of normal and transformed cells as determined by culture conditions. Veigl ML, et al. **Cancer Res** 1984 Aug;44(8):3184-9

Local mutagenesis of Rous sarcoma virus: the major sites of tyrosine and serine phosphorylation of pp60src are dispensable for transformation. Cross FR, et al. **Cell** 1983 Sep;34(2):597-607

Identification of functional regions in the transforming protein of Fujinami sarcoma virus by in-phase insertion mutagenesis. Stone JC, et al. **Cell** 1984 Jun;37(2):549-58

Mutagenesis of Fujinami sarcoma virus: evidence that tyrosine phosphorylation of P130gag-fps modulates its biological activity. Weinmaster G, et al. **Cell** 1984 Jun; 37(2):559-68

Phenotypes of cell hybrids formed by fusion of normal and Rous sarcoma virus transformed cells. Ege T. **Cell Biol Int Rep** 1984 Jul;8(7):607-13

Induction of endogenous avian tumor virus gene expression by pyrrolizidine alkaloids. Pearson MN, et al. **Chem Biol Interact** 1984 May;49(3):341-50

Subcellular localization of pp60src in RSV-transformed cells. Krueger JG, et al. **Curr Top Microbiol Immunol** 1983; 107:51-124 (198 ref.)

Active viral genes in transformed cells lie close to the nuclear cage. Cook PR, et al. **EMBO J** 1982;1(4):447-52

Role of cell division in differentiation of myoblasts infected with a temperature-sensitive mutant of Rous sarcoma virus. Falcone G, et al. **EMBO J** 1984 Jun;3(6):1327-31

Identity of p36K phosphorylated upon Rous sarcoma virus transformation with a protein purified from brush borders; calcium-dependent binding to non-erythroid spectrin and F-actin. Gerke V, et al. **EMBO J** 1984 Jan;3(1):227-33

Avidin is induced in chicken embryo fibroblasts by viral transformation and cell damage. Korpela J, et al. **EMBO J** 1983;2(10):1715-9

Localization of avidin in virus-transformed and damaged chicken embryo fibroblasts by immunofluorescence and the avidin-biotin-peroxidase complex (ABC) technique. Korpela J, et al. **Eur J Cell Biol** 1984 May;34(1):159-64

Immunofluorescence localization of phosphotyrosine containing proteins in RSV-transformed mouse fibroblasts. Marchisio PC, et al. **Exp Cell Res** 1984 Sep;154(1):112-24

Homologies between a brain-specific identifier (ID) sequence and regions of Harvey murine sarcoma virus and Rous sarcoma virus genomes. Putative role of identifier sequences in the tissue specificity of malignant transformation by RNA tumor viruses. Minárovits J, et al. **FEBS Lett** 1984 Sep 3;174(2):208-10

Molecular events leading to enhanced glucose transport in Rous sarcoma virus-transformed cells. Weber MJ, et al. **Fed Proc** 1984 May 15;43(8):2246-50

Transport of potassium, amino acids, and glucose in cells transformed by Rous sarcoma virus. Weber MJ, et al. **Fed Proc** 1984 Jan;43(1):107-12

Loss of proviral sequences in RSV-transformed mouse tumour cells accompanied by the formation of double-minute chromatin bodies. Sainerová H, et al. **Folia Biol (Praha)** 1983;29(6):403-11

Transfection of brown Leghorn embryo fibroblasts (BLEF) and duck embryo fibroblasts (DEF) by means of DNA isolated from RSV-transformed cells. Branny J, et al. **Folia Histochem Cytochem (Krakow)** 1983;21(3-4):273-9

Specificity of B genotype response to tumors induced by each of three subgroups of RSV. Brown DW, et al. **Immunogenetics** 1984;19(2):141-7

Selective ligation of DNA molecules following microinjection. Kopchick JJ, et al. **J Biol Chem** 1983 Oct 10;258(19):11528-36

Kinetics and mechanism of angiotensin phosphorylation by the transforming gene product of Rous sarcoma virus. Wong TW, et al. **J Biol Chem** 1984 Mar 10;259(5):3127-31

Alterations in the transport and processing of Rous sarcoma virus envelope glycoproteins mutated in the signal and anchor regions. Wills JW, et al. **J Cell Biochem** 1983; 23(1-4):81-94

Unphosphorylated gelsolin is localized in regions of cell-substratum contact or attachment in Rous sarcoma virus-transformed rat cells. Wang E, et al. **J Cell Biol** 1984 Feb;98(2):761-71

Regulation and drug insensitivity of F-actin association with adhesion areas of transformed cells. Carley WW, et al. **J Cell Physiol** 1983 Nov;117(2):257-65

Partial characterization of the mitogenic action of pp60v-src, the oncogenic protein product of the src gene of avian sarcoma virus. Durkin JP, et al. **J Cell Physiol** 1984 Aug; 120(2):135-45

Heterogeneity of Sindbis virus glycoprotein E1 and its modification by host cell transformation. Miki T. **J Gen Virol** 1984 Feb;65 (Pt 2):343-54

Stabilities of avian sarcoma virus RNAs: comparison of subgenomic and genomic species with cellular mRNAs. Stoltzfus CM, et al. **J Gen Virol** 1983 Oct;64 (Pt 10):2191-202

Nucleotide sequence of noncoding regions in Rous-associated virus-2: comparisons delineate conserved regions important in replication and oncogenesis. Bizub D, et al. **J Virol** 1984 Feb;49(2):557-65

Phosphorylation of the ribosomal protein S6 is elevated in cells transformed by a variety of tumor viruses. Blenis J, et al. **J Virol** 1984 Jun;50(3):966-9

Common features of the yes and src gene products defined by peptide-specific antibodies. Gentry LE, et al. **J Virol** 1984 Aug;51(2):539-46

Nucleotide sequence of v-fps in the PRCII strain of avian sarcoma virus. Huang CC, et al. **J Virol** 1984 Apr; 50(1):125-31

Monoclonal antibodies to the transforming protein of Fujinami avian sarcoma virus discriminate between different fps-encoded proteins. Ingman-Baker J, et al. **J Virol** 1984 May;50(2):572-8

Characterization of a Rous sarcoma virus mutant defective in packaging its own genomic RNA: biological properties of mutant TK15 and mutant-induced transformants. Kawai S, et al. **J Virol** 1984 Jul;51(1):147-53

Characterization of a Rous sarcoma virus mutant defective in packaging its own genomic RNA: biochemical properties of mutant TK15 and mutant-induced transformants. Koyama T, et al. **J Virol** 1984 Jul;51(1):154-62

DNA sequence of the Bryan high-titer strain of Rous sarcoma virus: extent of env deletion and possible genealogical relationship with other viral strains. Lerner TL, et al. **J Virol** 1984 Feb;49(2):549-56

Revertants and partial transformants of rat fibroblasts infected with Fujinami sarcoma virus. Mathey-Prevot B, et al. **J Virol** 1984 May;50(2):325-34

Molecular cloning and characterization of avian sarcoma virus UR2 and comparison of its transforming sequence with those of other avian sarcoma viruses. Neckameyer WS, et al. **J Virol** 1984 Jun;50(3):914-21

Evidence for involvement of an RNA primer in initiation of strong-stop plus DNA synthesis during reverse transcription in vitro. Omer CA, et al. **J Virol** 1984 May; 50(2):465-70

Involvement of directly repeated sequences in the generation of deletions of the avian sarcoma virus src gene. Omer CA, et al. **J Virol** 1983 Aug;47(2):380-2

Identification of a ribosome-binding site for a leader peptide encoded by Rous sarcoma virus RNA. Petersen RB, et al. **J Virol** 1984 Sep;51(3):722-9

Role of the mitogenic property and kinase activity of p60src in tumor formation by Rous sarcoma virus. Poirier F, et al. **J Virol** 1984 Feb;49(2):325-32

Involvement of retrovirus reverse transcriptase-associated RNase H in the initiation of strong-stop (+) DNA synthesis and the generation of the long terminal repeat. Resnick R, et al. **J Virol** 1984 Sep;51(3):813-21

Initiation of plus-strand DNA synthesis during reverse transcription of an avian retrovirus genome. Smith JK, et al. **J Virol** 1984 Jan;49(1):200-4

cis-Acting RNA packaging locus in the 115-nucleotide direct repeat of Rous sarcoma virus. Sorge J, et al. **J Virol** 1983 Dec;48(3):667-75

A defective retrovirus particle (SE21Q1b) packages and reverse transcribes cellular RNA, utilizing tRNA-like primers. Taylor JM, et al. **J Virol** 1984 Aug;51(2):267-71

Discontinuities in the DNA synthesized by an avian retrovirus. Taylor JM, et al. **J Virol** 1983 Dec;48(3):654-9

Identification of the viral sequence required for the generation of recovered avian sarcoma viruses and characterization of a series of replication-defective recovered avian sarcoma viruses. Wang LH, et al. **J Virol** 1984 Mar;49(3):881-91

Induction of tumors and generation of recovered sarcoma viruses by, and mapping of deletions in, two molecularly cloned src deletion mutants. Wang LH, et al. **J Virol** 1984 Jun;50(3):904-13

Cellular src gene product detected in the freshwater sponge Spongilla lacustris. Barnekow A, et al. **Mol Cell Biol** 1984 Jun;4(6):1179-81

Infection of chick limb bud presumptive chondroblasts by a temperature-sensitive mutant of Rous sarcoma virus and the reversible inhibition of their terminal differentiation in culture. Boettiger D, et al. **Mol Cell Biol** 1983 Aug; 3(8):1518-26

Amino acid alterations within a highly conserved region of the Rous sarcoma virus src gene product pp60src inactivate tyrosine protein kinase activity. Bryant DL, et al. **Mol Cell Biol** 1984 May;4(5):862-6

Identification of transcriptional elements within the long terminal repeat of Rous sarcoma virus. Gilmartin GM, et al. **Mol Cell Biol** 1983 Oct;3(10):1834-45

Expression of the chicken c-src gene in COS cells. Gilmer TM. **Mol Cell Biol** 1984 May;4(5):846-51

New procedure for DNA transfection with polycation and dimethyl sulfoxide. Kawai S, et al. **Mol Cell Biol** 1984 Jun; 4(6):1172-4

Size-variant pp60src proteins of recovered avian sarcoma viruses interact with adhesion plaques as peripheral membrane proteins: effects on cell transformation. Krueger JG, et al. **Mol Cell Biol** 1984 Mar;4(3):454-67

Rous sarcoma virus contains sequences which permit expression of the gag gene in Escherichia coli. Mermer B, et al. **Mol Cell Biol** 1983 Oct;3(10):1746-58

An upstream regulatory domain of avian tumor virus long terminal repeat is required for the expression of a procaryotic neomycin gene in eucaryotic cells. Mitsialis SA, et al. **Mol Cell Biol** 1983 Nov;3(11):1975-84

Biosynthesis of calmodulin in normal and virus-transformed chicken embryo fibroblasts. Zendegui JG, et al. **Mol Cell Biol** 1984 May;4(5):883-9

Nucleotide sequence of avian retroviral oncogene v-mil: homologue of murine retroviral oncogene v-raf. Sutrave P, et al. **Nature** 1984 May 3-9;309(5963):85-8

Multiple enhancer domains in the 3' terminus of the Prague strain of Rous sarcoma virus. Laimins LA, et al. **Nucleic Acids Res** 1984 Aug 24;12(16):6427-42

Analysis of the variations in proviral cytosine methylation that accompany transformation and morphological reversion in a line of Rous sarcoma virus-infected Rat-1 cells. Searle S, et al. **Nucleic Acids Res** 1984 Jul 11; 12(13):5193-210

Transformation by Rous sarcoma virus prevents acetylcholine receptor clustering on cultured chicken muscle fibers. Anthony DT, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(7):2265-9

Avian sarcoma virus gag and env gene structural protein precursors contain a common amino-terminal sequence. Ficht TA, et al. **Proc Natl Acad Sci USA** 1984 Jan; 81(2):362-6

Alteration of neural cell adhesion molecule (N-CAM) expression after neuronal cell transformation by Rous sarcoma virus. Greenberg ME, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(3):969-73

Rous sarcoma virus variants that carry the cellular src gene instead of the viral src gene cannot transform chicken embryo fibroblasts. Iba H, et al. **Proc Natl Acad Sci USA** 1984 Jul;81(14):4424-8

Occurrence of caldesmon (a calmodulin-binding protein) in cultured cells: comparison of normal and transformed cells. Owada MK, et al. **Proc Natl Acad Sci USA** 1984 May; 81(10):3133-7

Hematopoietic cell transformation by a murine recombinant retrovirus containing the src gene of Rous sarcoma virus. Pierce JH, et al. **Proc Natl Acad Sci USA** 1984 Apr; 81(8):2374-8

Evidence that the Rous sarcoma virus transforming gene product phosphorylates phosphatidylinositol and diacylglycerol. Sugimoto Y, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(7):2117-21

Role of N6-methyladenosine in expression of Rous sarcoma virus RNA: analyses utilizing immunoglobulin specific for N6-methyladenosine. Resnick RJ, et al. **Prog Nucleic Acid Res Mol Biol** 1983;29:214-8

A sequence homologous to Rous sarcoma virus v-src Is on human chromosome 20. Sakaguchi AY, et al. **Prog Nucleic Acid Res Mol Biol** 1983;29:279-83

New oncogene targets? [news] Marx JL. **Science** 1984 Apr 20;224(4646):272

Nonvirogenic hamster metastasizing tumors arising from B77 virogenic cells. Smida J, et al. **Transplant Proc** 1984 Apr; 16(2):435-7

The avian sarcoma virus PRCII lacks 1020 nucleotides of the fps transforming gene. Carlberg K, et al. **Virology** 1984 May;135(1):157-67

The low tumorigenic potential of PRCII, among viruses of the Fujinami sarcoma virus subgroup, corresponds to an internal (fps) deletion of the transforming gene. Duesberg PH, et al. **Virology** 1983 Nov;131(1):144-58

Characterization of a replication-defective temperature-sensitive mutant of Rous sarcoma virus. Ghosh HP. **Virology** 1984 Jun;135(2):480-8

Mutagenesis of the region between env and src of the SR-A strain of Rous sarcoma virus for the purpose of constructing helper-independent vectors. Hughes S, et al. **Virology** 1984 Jul 15;136(1):89-99

Impaired cleavage of the joint gag-pol polyprotein precursor and virion assembly in a temperature-sensitive mutant of Rous sarcoma virus. Ro JH, et al. **Virology** 1984 Jun; 135(2):489-502

A mutation at the major phosphotyrosine in pp60v-src alters oncogenic potential. Snyder MA, et al. **Virology** 1984 Jul

30;136(2):375–86
Transforming proteins of fujinami and PRCII avian sarcoma viruses have different subcellular locations. Woolford J, et al. **Virology** 1984 May;135(1):168–80
[Transformation of diploid human fibroblasts and viral production after infection by avian retroviruses] Rabotti G, et al. **C R Seances Acad Sci [III]** 1983;297(1):17–24 (Eng. Abstr.) **(Fre)**
[Analysis of the gene homology of the chicken sarcoma virus D6 and the Rous sarcoma virus Prague C strain] Fedorov SN, et al. **Vopr Onkol** 1984;30(2):77–80 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Antigenic and structural studies on the transforming proteins of Rous sarcoma virus and Yamaguchi 73 avian sarcoma virus. Erikson E, et al. **Virology** 1983 Oct 15;130(1):221–6
Antibodies against a synthetic peptide of the avian retrovirus pp32 protein and the beta DNA polymerase subunit. Grandgenett DP, et al. **Virology** 1983 Oct 15;130(1):257–62

ISOLATION & PURIFICATION

Two strains of avian sarcoma virus newly isolated from chick fibrosarcomas induced by lymphatic leukemia virus subgroup A in two lines of chickens. Hihara H, et al. **JNCI** 1984 Mar;72(3):631–5

METABOLISM

Monoclonal antibody against the carboxy terminal peptide of pp60src of Rous sarcoma virus reacts with native pp60src. Tamura T, et al. **EMBO J** 1982;1(12):1479–85
Effects of phosphorylation of avian retrovirus nucleocapsid protein pp12 on binding of viral RNA. Leis J, et al. **J Biol Chem** 1984 Jun 25;259(12):7726–32
Rous sarcoma virus p19 and gp35 can be chemically crosslinked to high molecular weight complexes. An insight into virus assembly. Gebhardt A, et al. **J Mol Biol** 1984 Apr 5;174(2):297–317
Increase in the phosphotransferase specific activity of purified Rous sarcoma virus pp60v-src protein after incubation with ATP plus Mg2+. Purchio AF, et al. **Mol Cell Biol** 1983 Sep;3(9):1589–97
Processing of gPr92env, the precursor to the glycoproteins of Rous sarcoma virus: use of inhibitors of oligosaccharide trimming and glycoprotein transport. Bosch JV, et al. **Virology** 1984 Jan 15;132(1):95–109

PATHOGENICITY

Inability of Rous sarcoma virus to cause sarcomas in the avian embryo. Dolberg DS, et al. **Nature** 1984 Jun 7–13; 309(5968):552–6
The study of molecular functions of the transforming protein PP60SRC of Rous sarcoma virus by the use of monospecific antibodies. Bauer H, et al. **Prog Clin Biol Res** 1983;132B:19–33

PHYSIOLOGY

Immunological study of a cellular 35K phosphorylated polypeptide detected in Rous sarcoma virus transformed cells. Lee SY, et al. **Arch Virol** 1983;77(2–4):195–208
The effect of retroviral transformation on DNA replication and DNA polymerase-gamma activity in chick embryo fibroblast mitochondria. D'Agostino MA, et al. **Exp Cell Res** 1983 Oct;148(1):47–61
Study of pp60v-src protein kinase activity in synchronized chicken embryo fibroblasts infected with Rous sarcoma virus. Hartmann C, et al. **Exp Cell Res** 1984 Jan; 150(1):242–9
Continuous in vitro generation of multipotential stem cell clones from src-infected cultures. Spooncer E, et al. **Nature** 1984 Jul 19–25;310(5974):228–30
Differences in the organization and methylation patterns of integrated avian sarcoma proviral DNA sequences in nonpermissive and permissive mammalian cells. Tatosyan AG, et al. **Neoplasma** 1983;30(6):681–90
Cytoskeletal changes induced by two avian sarcoma viruses: UR2 and Rous sarcoma virus. Notter MF, et al. **Virology** 1984 Jul 15;136(1):56–68
[A thermosensitive characteristic of the Schmidt Rupin strain of Rous sarcoma virus affecting the longevity of infected lines] Montarras D, et al. **C R Seances Acad Sci [III]** 1983; 297(8):423–6 (Eng. Abstr.) **(Fre)**

AVIATION

see related
ACCELERATION
GRAVITATION

Airport noise exposure and the postnatal growth of children. Schell LM, et al. **Am J Phys Anthropol** 1983 Aug; 61(4):473–82
Roentgenographic skeletal injury patterns in parachute jumping. Petras AF, et al. **Am J Sports Med** 1983 Sep–Oct; 11(5):325–8
Spontaneous abortions, stillbirths, and birth defects in families of agricultural pilots. Roan CC, et al. **Arch Environ Health** 1984 Jan–Feb;39(1):56–60
Regulations and the air ambulance. Gibbons HL. **Aviat Space Environ Med** 1984 Mar;55(3): 239–43
Reduction of military high-altitude parachute entanglement using the controlled alternating parachute exit system. Hadley AT 3d, et al. **Aviat Space Environ Med** 1984 Jan; 55(1):65–8
The 1983 Annual Louis H. Bauer lecture. Helms JL. **Aviat Space Environ Med** 1984 Feb;55(2):150–5
Visual test results compared with flying performance in telemetry-tracked aircraft. Kruk R, et al. **Aviat Space Environ Med** 1983 Oct;54(10):906–11
Cervical myelopathy and transient tetraplegia during free-fall parachuting: a case report. Rose GE. **Injury** 1984 Jul; 16(1):9–10
Association of recurrent anterior dislocation of the shoulder with free-fall parachuting. Villar RN, et al. **Injury** 1984 Jul;16(1):15–6
Lower limb injuries in parachuting. Salai M, et al. **Int J Sports Med** 1983 Nov;4(4):293–5
Mercy flights. Lane JC, et al. **Med J Aust** 1983 Oct 1; 2(7):311–4
Helicopter utilization. Rowley S. **Med J Aust** 1983 Oct 1; 2(7):300–1
Physicians in flight. Weddon W. **Mich Med** 1983 May; 82(24):313–8
Cost-effective nutrition—the airlines. Mandell HN. **Postgrad Med** 1984 Apr;75(5):22–3, 26
[Wheelchair field testing at the central train station and airport in Frankfurt] Herbert H. **Rehabilitation (Stuttg)** 1984 May;23(2):66–72 (Eng. Abstr.) **(Ger)**
[Educational training of anesthesiologists and pilots of airlines—a suggestion for better training of anesthesiologists] Matsuki A. **Masui** 1984 Mar;33(3):323–8 (Eng. Abstr.) **(Jpn)**
[Establishment of the posture and working actions of pilots in air crashes] Kliuev AV, et al. **Sud Med Ekspert** 1983 Jul–Sep;26(3):11–2 (Eng. Abstr.) **(Rus)**

HISTORY

The roots of flight nursing: Lauretta M. Schimmoler and the Aerial Nurse Corps of America. Skinner RE. **Aviat Space Environ Med** 1984 Jan;55(1):72–7
A pilot in the first world war. Bradford Hill A. **Br Med J [Clin Res]** 1983 Dec 24–31;287(6409):1947–9

STANDARDS

The international standardization of the medical certification of civil aircrew. Clarke WR. **Aviat Space Environ Med** 1984 May;55(5): 398–402

AVIATION MEDICINE see **AEROSPACE MEDICINE**

AVIDIN see under **OVALBUMIN**

AVIDITY, ANTIBODY see **ANTIBODY AFFINITY**

AVITAMINOSIS

Oesophagogastric ulcer in swine and vitamin U. I. Relative incidence of the syndrome in Hungary. Tamás J, et al. **Acta Vet Hung** 1983;31(4):145–53
[Hypovitaminosis and hypervitaminosis in children] Popescu V, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1983 Oct–Dec;32(4):289–320 (Eng. Abstr.) **(Rum)**

COMPLICATIONS

Senile dementia and nutrition [letter] Shaw DM, et al. **Br Med J [Clin Res]** 1984 Mar 10;288(6419):792–3
Avitaminosis and congenital malformations. Basu TK. **Int Z Vitam Ernahrungsforsch [Beih]** 1983;24:9–14
Liposoluble vitamins in pediatrics. Viegas D, et al. **Int Z Vitam Ernahrungsforsch [Beih]** 1983;24:147–54
[Vitamins and atherosclerosis] Mironchik VV. **Vopr Pitan** 1983 Sep–Oct;(5):3–9 (71 ref.) **(Rus)**
[Effect of lysine, threonine, methionine and vitamin A, C and E deficiency on the liver microsome enzyme system responsible for metabolizing foreign compounds in the rat] Nurmagambetov TZh, et al. **Vopr Pitan** 1984 Jan–Feb; (1):40–3 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Hypovitaminosis: diagnosis and evaluation in hospitalized patients. dos Santos JE. **Int Z Vitam Ernahrungsforsch [Beih]** 1983;24:201–7
Analysis of vitamin status. Baker H. **J Med Soc NJ** 1983 Aug;80(8):633–6

DRUG THERAPY

Vitamins in medicine. Recent therapeutic aspects. **Int Z Vitam Ernahrungsforsch [Beih]** 1983;24:1–294
[Vitamin pharmacotherapy: between the necessary and dangerous] Mungiu OC. **Rev Med Chir Soc Med Nat Iasi** 1983 Oct–Dec;87(4):653–6 **(Rum)**

ETIOLOGY

Vitamin deficiencies in rice-eating populations. Effects of B-vitamin supplements. Bamji MS. **Experientia [Suppl]** 1983;44:245–63 (8 ref.)
A vitamin profile of alcoholism. Baker H. **Int Z Vitam Ernahrungsforsch [Beih]** 1983;24:179–84
Vitamins – cytotoxic drug interaction. Basu TK. **Int Z Vitam Ernahrungsforsch [Beih]** 1983;24:225–33
The risk of vitamin deficiency in hospitalized patients. Labadarios D. **Int Z Vitam Ernahrungsforsch [Beih]** 1983; 24:185–99
[Cutaneous signs of vitamin deficiencies] Barthélémy H, et al. **Ann Dermatol Venereol** 1983;110(4):365–74, 377–8 (68 ref.) **(Fre)**
[Vitamin deficiency: a current problem?] Mussa GC, et al. **Minerva Pediatr** 1983 Jun 15;35(11):559–64 (Eng. Abstr.) **(Ita)**
[Vitamin status of diamond cutters] Bogdanov NG, et al. **Vopr Pitan** 1984 Mar–Apr;(2):28–31 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Effect of feeding a diet with half of the recommended levels of all vitamins on the natural and inducible levels of cytotoxic activity in mouse spleen cells. Saxena QB, et al. **Immunology** 1984 May;52(1):41–8

METABOLISM

[Nitrogen metabolism in various forms of protein-vitamin deficiency] Tazhibaev ShS, et al. **Vopr Pitan** 1984 Mar–Apr;(2):37–40 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Vitamin status in patients on maintenance haemodialysis. Kelleher J, et al. **Int J Vitam Nutr Res** 1983;53(3):330–7
[The nutritional ascorbic acid and niacin status in adolescents] Dobre V, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Apr–Jun;87(2):237–9 (Eng. Abstr.) **(Rum)**

PHYSIOPATHOLOGY

Growth and reproduction in the chronically nutrient-deprived rat. Zeman FJ. **Growth** 1984 Summer; 48(2):234–53

VETERINARY

Influence of vitamin deficiency and level of dietary protein on the incidence of leg problems in broiler chicks. Summers JD, et al. **Poult Sci** 1984 Jun;63(6):1115–21

AVOIDANCE LEARNING

see related
ESCAPE REACTION

Potentiation of a conditioned taste aversion in preweanling and adult rats. Kucharski D, et al. **Behav Neural Biol** 1984 Jan;40(1):44–57
Assessment of retention capacities in old rats. Martinez JL Jr, et al. **Behav Neural Biol** 1983 Nov;39(2):181–91
One-trial long-lasting food-aversion learning in wild Japanese monkeys (Macaca fuscata). Matsuzawa T, et al. **Behav Neural Biol** 1983 Nov;39(2):155–9
The effect of electroconvulsive shock on the attenuation of taste-aversion conditioning produced by flavor preexposure. Misanin JR, et al. **Behav Neural Biol** 1984 May;41(1):30–40
Stimulus generalization of conditioned taste aversion in rats. Richardson R, et al. **Behav Neural Biol** 1984 May; 41(1):41–53
Developmental flavor experience affects utilization of odor, not taste in toxiphobic conditioning. Rusiniak KW, et al. **Behav Neural Biol** 1983 Nov;39(2):160–80
Taste aversion learning: simulation of interference with the gustatory cue during conditioning. Shaw N. **Behav Neural Biol** 1983 Jul;38(2):307–12
Alternating ingestive and aversive consummatory responses suggest a two-dimensional analysis of palatability in rats. Berridge KC, et al. **Behav Neurosci** 1983 Aug;97(4):563–73
Pavlovian drug-sickness pairings result in the conditioning of an antisickness response. Lett BT. **Behav Neurosci** 1983 Oct;97(5):779–84
Taste familiarity and apomorphine-induced taste aversions in humans. Cannon DS, et al. **Behav Res Ther** 1983; 21(6):669–73
Does escape behaviour strengthen agoraphobic avoidance? A preliminary study. de Silva P, et al. **Behav Res Ther** 1984;22(1):87–91
Outline of a Fear-Avoidance Model of exaggerated pain perception—I. Lethem J, et al. **Behav Res Ther** 1983; 21(4):401–8
The Fear-Avoidance Model of exaggerated pain perception—II. Slade PD, et al. **Behav Res Ther** 1983; 21(4):409–16
The effects of vicarious experience on pain termination and work avoidance: a replication. Turkat ID, et al. **Behav Res Ther** 1983;21(5):491–3 (17 ref.)
Attempts to produce taste-aversion learning in rats exposed to 60-Hz electric fields. Creim JA, et al. **Bioelectromagnetics** 1984;5(2):271–82
Brain octopamine and strain differences in avoidance behavior. Delacour J, et al. **Brain Res** 1983 Dec 12; 288(1–2):169–76
Arginine-vasopressin content of hippocampus and amygdala during passive avoidance behavior in rats. Laczi F, et al. **Brain Res** 1983 Dec 5;280(2):309–15
Inhibition of long-term memory formation in the chicken by anti chick Thy-1 antibody. Bernard CC, et al. **Brain Res Bull** 1983 Jul;11(1):111–6
Food aversion learning in Japanese monkeys (Macaca fuscata). A strategy to avoid a noxious food. Matsuzawa

T, et al. **Folia Primatol (Basel)** 1983;40(4):247–55
Selective forgetting of aversive memories cued in the right hemisphere. Martin DG, et al. **Int J Neurosci** 1984 Jun; 23(3):169–75
Effects of novelty and familiarity on illness-induced aversions to food and place cues in coyotes (Canis latrans). Ellins SR, et al. **J Comp Psychol** 1983 Dec;97(4):302–9
A failure to find socially mediated taste aversion learning in Norway rats (R. norvegicus). Galef BG Jr, et al. **J Comp Psychol** 1983 Dec;97(4):358–63
Motion sickness in quail: body-rotation-induced conditioned fluid aversions in C. coturnix japonica. Ossenkopp KP, et al. **J Comp Psychol** 1984 Jun;98(2):189–93
Avoidance reactions to tape-recorded pain cry in rats. Simonov PV. **Neurosci Behav Physiol** 1983 Mar–Apr; 13(2):87–9
Beta-endorphin like immunoreactivity of brain, pituitary gland and plasma of rats submitted to postnatal protein malnutrition: effect of behavioral training. Perry ML, et al. **Peptides (Fayetteville)** 1984 Jan–Feb;5(1):15–20
Loss of cholinergic neurons in the rat neocortex produces deficits in passive avoidance learning. Friedman E, et al. **Pharmacol Biochem Behav** 1983 Aug;19(2):309–12
Aversive factors in alcohol drinking in humans and animals. Myers RD, et al. **Pharmacol Biochem Behav** 1980;13 Suppl 1:269–77
Effect of avoidance-avoidance conflict on magnitude of startle: reduced fear during conflict. Allan MJ, et al. **Psychol Rep** 1983 Aug;53(1):43–8
Affective, behavioral, and avoidance responses on the visual cliff: effects of crawling onset age, crawling experience, and testing age. Richards JE, et al. **Psychophysiology** 1983 Nov;20(6):633–41
Reciprocal overshadowing in flavour-aversion learning. Bond NW. **Q J Exp Psychol [B]** 1983 Nov;35 (Pt 4):265–74
[Function of ECS as a cue in retrograde amnesia in the rat] Morii Y. **Shinrigaku Kenkyu** 1984 Feb;54(6):337–43 (Eng. Abstr.) **(Jpn)**
[Formation of taste aversions in the rat] Perkova EO. **Zh Vyssh Nerv Deiat** 1984 Mar–Apr;34(2):237–42 (Eng. Abstr.) **(Rus)**
[Efficacy of repeated training at different stages of elaboration of a defensive reflex in the mouse] Voronin LG, et al. **Zh Vyssh Nerv Deiat** 1984 May–Jun;34(3):472–7 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

The effect of propranolol and trimepranol on the conditioned avoidance response. Tikal K, et al. **Act Nerv Super (Praha)** 1983 Dec;25(4):309–11
Effects of cholecystokinin-related peptides on retention of passive avoidance behaviour. Fekete M, et al. **Acta Physiol Acad Sci Hung** 1982;60(4):237–42
The effect of linear somatostatin on the active avoidance behaviour and open-field activity on haloperidol, phenoxybenzamine and atropine pretreated rats. Vécsei L, et al. **Acta Physiol Hung** 1983;62(3–4):205–11
Effects of medazepam, flunitrazepam and bromocriptine on avoidance learning. Ovtcharov R, et al. **Acta Physiol Pharmacol Bulg** 1983;9(1):44–50
Noradrenergic agonists and antagonists: effects on avoidance behaviour in rats. Obersztyn M, et al. **Acta Physiol Pol** 1983 Jul–Aug;34(4):401–7
Effects of DL-allylglycine, alone or in combination with morphine, on passive avoidance behaviour in C57BL/6 mice. Castellano C, et al. **Arch Int Pharmacodyn Ther** 1984 Jan;267(1):141–8
Effects of a new antidepressant drug on active avoidance behavior in rats. Comparative study with tricyclic antidepressants. Telegdy G, et al. **Arch Int Pharmacodyn Ther** 1983 Nov;266(1):50–9
Biochemical, functional and behavioral evaluation of a series of novel antipsychotic-like agents. Von Voigtlander PF, et al. **Arch Int Pharmacodyn Ther** 1983 Nov;266(1):23–37
Modification by sulpiride, pimozide, or domperidone of apomorphine's effects on learning in hypoxic rats. Saligaut C, et al. **Aviat Space Environ Med** 1983 Aug;54(8):725–9
Dual action of cycloheximide on memory formation in day-old chicks. Gibbs ME, et al. **Behav Brain Res** 1984 Apr;12(1):21–7
Widespread neuroanatomical damage and learning deficits following chronic alcohol consumption or vitamin-B1 (thiamine) deficiency in rats. Irle E, et al. **Behav Brain Res** 1983 Sep;9(3):277–94
Effect of local 6-OHDA and 5,6-DHT injections into the rat olfactory bulb on neophobia and learned aversion to a novel food. Royet JP, et al. **Behav Brain Res** 1983 Dec; 10(2–3):297–309
Vasopressin impairs or enhances retention of learned submissive behavior in mice depending on the time of application. Siegfried B, et al. **Behav Brain Res** 1984 Mar; 11(3):259–69
Amphetamine, conditioned stimulus, and nondebilitating preshock effects on activity and avoidance: further evidence for interactions between associative and nonassociative changes. Alleva E, et al. **Behav Neural Biol** 1983 Sep;39(1):78–104
Latent inhibition following systemic DSP4: effects due to presence and absence of contextual cues in taste-aversion learning. Archer T, et al. **Behav Neural Biol** 1983 Jul; 38(2):287–306
Memory modulation by post-training intraperitoneal, but not intracerebroventricular, administration of ACTH or epinephrine. de Almeida MA, et al. **Behav Neural Biol** 1983 Nov;39(2):277–83
Effect of the intraperitoneal and intracerebroventricular administration of ACTH, epinephrine, or beta-endorphin on retrieval of an inhibitory avoidance task in rats. de Almeida MA, et al. **Behav Neural Biol** 1984 Jan; 40(1):119–22
Interference in food aversion conditioning by reducing drug dose or conditioning trials. Fenner DP, et al. **Behav Neural Biol** 1984 Jan;40(1):114–8
Effect of pairings of pentobarbital with lithium chloride on the capacity of pentobarbital to maintain a conditioned aversion. Martin GM. **Behav Neural Biol** 1983 Sep; 39(1):145–8
Thyrotropin-releasing hormone (TRH) potentiates pentobarbital-based flavor aversion learning. Taukulis HK. **Behav Neural Biol** 1983 Sep;39(1):135–9
Role of olfactory bulbectomy and DSP4 treatment in avoidance learning in the rat. Archer T, et al. **Behav Neurosci** 1984 Jun;98(3):496–505
Interaction of tail-pressure stress and d-amphetamine in disruption of the rat's ability to ignore an irrevelant stimulus. Hellman PA, et al. **Behav Neurosci** 1983 Dec; 97(6):1017–21
4-OH amphetamine enhances retention of an active avoidance response in rats and decreases regional brain concentrations of norepinephrine and dopamine. Martinez JL Jr, et al. **Behav Neurosci** 1983 Dec;97(6):962–9
Vasopressin effect on learning in 6-hydroxydopamine-pretreated rats: correlation with caudate vasopressin levels. Hamburger-Bar R, et al. **Biol Psychiatry** 1984 May;19(5):735–43
Unique applications of fenfluramine or p-chloramphetamine in the early postnatal period influence the formation of conditioned avoidance responses in adult rats. Klingberg H, et al. **Biomed Biochim Acta** 1983;42(4):351–7
Effects of bicuculline and lormetazepam on conditioning avoidance in the rat. De Marino V, et al. **Boll Soc Ital Biol Sper** 1983 Sep 30;59(9):1255–60
A parametric study of the effects of the noradrenaline neurotoxin DSP4 on avoidance acquisition and noradrenaline neurones in the CNS of the rat. Archer T, et al. **Br J Pharmacol** 1984 May;82(1):249–57
Neuroleptic-like disruption of the conditioned avoidance response requires destruction of both the mesolimbic and nigrostriatal dopamine systems. Koob GF, et al. **Brain Res** 1984 Jun 15;303(2):319–29
Tyr-MIF-1 affects passive avoidance behavior but not motor activity in rats. Hayashi T, et al. **Brain Res Bull** 1983 Dec; 11(6):659–62
Memory modulation by the administration of ACTH, adrenaline or beta-endorphin after training or prior to testing in an inhibitory avoidance task in rats. Dias RD, et al. **Braz J Med Biol Res** 1983 Dec;16(4):333–7
Endogenous state-dependency:memory regulation by post-training and pre-testing administration of ACTH, beta -endorphin, adrenaline and tyramine. Izquierdo I, et al. **Braz J Med Biol Res** 1983 Apr;16(1):55–64
Step-down inhibitory avoidance training and beta-endorphin-like immunoreactivity of rat hypothalamus and plasma. Perry ML, et al. **Braz J Med Biol Res** 1983 Dec;16(4):339–43
Alleviation of infantile amnesia in rats by means of a pharmacological contextual state. Richardson R, et al. **Dev Psychobiol** 1983 Nov;16(6):511–8
Gustatory avoidance in rats: effects of cocaine under a mild water deprivation schedule. Franko CM, et al. **Drug Alcohol Depend** 1983 Jun;11(3–4):409–13
Further analysis of the effects of cholecystokinin octapeptides on avoidance behaviour in rats. Fekete M, et al. **Eur J Pharmacol** 1984 Feb 10;98(1):79–91
Avoidance and ICSS behavioral models dissociate TL-99 and 3-PPP from dopamine receptor antagonists. Fenton HM, et al. **Eur J Pharmacol** 1983 Aug 5;91(4):421–30
Influence of substance P and fragments on passive avoidance behavior. Gaffori O, et al. **Experientia** 1984 Jan 15; 40(1):89–91
Taste aversion learning and perinatal methylmercury exposure in mice [letter] Shimai S, et al. **Ind Health** 1984; 22(1):41–4
Effect of malathion & DDT on the action of chlorpromazine & diazepam with reference to conditioned avoidance response in rats. Uppal RP, et al. **Indian J Exp Biol** 1983 May;21(5):254–7
Learning deficits on avoidance task and hippocampal lesions in area CA3 following intraperitoneal administration of 3-acetylpyridine. Ozaki HS, et al. **J Neurosci Res** 1983; 10(4):425–35
Comparison of susceptibilities to the effects of antipsychotic drugs on lever-press avoidance responses between mice and rats. Kuribara H, et al. **Jpn J Pharmacol** 1983 Dec; 33(6):1127–33
Corticosterone decreases the efficacy of adrenaline to affect passive avoidance retention of adrenalectomized rats. Borrell J, et al. **Life Sci** 1984 Jan 2;34(1):99–104
Effect of prenatal exposure to cadmium on avoidance acquisition in rats. Barański B. **Med Pr** 1983;34(5–6):381–3
Central target for the behavioural effects of vasopressin neuropeptides. de Wied D, et al. **Nature** 1984 Mar 15–21; 308(5956):276–8
Sex differences in taste aversion learning: an analysis of the minimal effective dose. Dacanay RJ, et al. **Neurobehav Toxicol Teratol** 1984 Jan–Feb;6(1):9–11
Behavioral toxicological assessment of oral pralidoxime methanesulfonate in the rat. Liu WF, et al. **Neurobehav Toxicol Teratol** 1984 Mar–Apr;6(2):121–7
Neonatal chlordecone exposure impairs early learning and retention of active avoidance in the rat. Mactutus CF, et al. **Neurobehav Toxicol Teratol** 1984 Jan–Feb;6(1):75–83
Conditioned taste aversion induced by toluene administration in rats. Miyagawa M, et al. **Neurobehav Toxicol Teratol** 1984 Jan–Feb;6(1):33–7
Evaluation of the toxic effects of aflatoxin B1 with a taste aversion paradigm in rats. Rappold VA, et al. **Neurobehav Toxicol Teratol** 1984 Jan–Feb;6(1):51–8
Drug-induced elevation of vasopressin-like immunoreactivity in Raphe and septal regions of the mouse CNS. Leccese AP. **Neuroendocrinology** 1983 Dec; 37(6):411–5
Behavioral actions of vasoactive intestinal peptide (VIP). Cottrell GA, et al. **Neuropeptides** 1984 Jun;4(4):331–41
Potential locus and mechanism of blockade of conditioned avoidance responding by neuroleptics. Petty F, et al. **Neuropharmacology** 1984 Jan;23(1):73–8
Intraventricular administration of antivasopressin serum inhibits retention in mice. Leccese AP, et al. **Peptides (Fayetteville)** 1983 Mar–Apr;4(2):265–7
Dopamine applied into the nucleus accumbens and discriminative avoidance in rats. Bracs PU, et al. **Pharmacol Biochem Behav** 1984 Jan;20(1):49–54
Deuterium substitution enhances the effects of beta-phenylethylamine on spontaneous motor activity in the rat. Dourish CT, et al. **Pharmacol Biochem Behav** 1983 Sep;19(3):471–5
Amnesia attenuation specificity: propranolol reverses norepinephrine but not cycloheximide-induced amnesia. Ellis ME, et al. **Pharmacol Biochem Behav** 1983 Nov; 19(5):733–6
The effects of LiCl preexposure on amphetamine-induced taste aversions: an assessment of blocking. Ford KA, et al. **Pharmacol Biochem Behav** 1984 Apr;20(4):643–5
Failure of dexamethasone to influence sex differences in acquisition of discriminated lever press avoidance. Heinsbroek RP, et al. **Pharmacol Biochem Behav** 1983 Oct; 19(4):599–604
The effects of dl-cathinone, d-amphetamine and cocaine on avoidance responding in rats and their interactions with haloperidol and methysergide. Huang D, et al. **Pharmacol Biochem Behav** 1984 May;20(5):721–9
The effects of chronic amphetamine administration on the acquisition and extinction of an active and passive avoidance response in mice. Kokkinidis L. **Pharmacol Biochem Behav** 1983 Oct;19(4):593–8
Latent inhibition in the aversion to oral methadone. Lynch MR, et al. **Pharmacol Biochem Behav** 1984 Mar; 20(3):467–72
Influence of luteinizing hormone releasing hormone (LHRH) on the behavioral effects of amphetamine in rats. Mora S, et al. **Pharmacol Biochem Behav** 1983 Aug;19(2):157–61
(-)-Hydroxycitrate and conditioned aversions. Panksepp J, et al. **Pharmacol Biochem Behav** 1977 Jun;6(6):683–7
Pharmacologically specific pretreatment effects on apomorphine-mediated conditioned taste aversions in rats. Pratt JA, et al. **Pharmacol Biochem Behav** 1984 Apr; 20(4):507–11
Effects of methamphetamine on atropine-induced conditioned gustatory avoidance. Preston KL, et al. **Pharmacol Biochem Behav** 1984 Apr;20(4):601–7
Substance P enhancement of passive and active avoidance conditioning in mice. Schlesinger K, et al. **Pharmacol Biochem Behav** 1983 Oct;19(4):655–61
Further studies on BL-3912A: effects on avoidance behavior of rats with low baselines and on reaction thresholds to electric footshock. Tilson HA, et al. **Pharmacol Biochem Behav** 1977 Jun;6(6):627–30
Effect of high doses of naloxone on shuttle avoidance acquisition in rats. Turnbull BA, et al. **Pharmacol Biochem Behav** 1983 Sep;19(3):423–6
Effects of valproic acid derivatives on the acquisition of active avoidance behavior in the rat. Continella G, et al. **Pharmacol Res Commun** 1984 Jul;16(7):699–706
The effect of beta-(Tyr9)melanotropin-(9–18) on the active avoidance and open-field behavior on rats pretreated with atropine or propranolol. Vécsei L, et al. **Pharmacol Res Commun** 1984 Apr;16(4):369–79
Effects of phosphatidylserine on avoidance relearning in rats (preliminary observations). Zanotti A, et al. **Pharmacol Res Commun** 1984 May;16(5):485–93
Post training lysine-vasopressin injections increase conditioned suppression in rats. Hagan JJ. **Physiol Behav** 1983 Dec;31(6):765–9
Effects of beta-endorphin and its fragments on inhibitory avoidance behavior in rats. Kovács GL, et al. **Psychoneuroendocrinology** 1983;8(4):411–9
Effects of inescapable shock and norepinephrine depletion induced by DSP4 on escape performance. Anisman H, et al. **Psychopharmacology (Berlin)** 1984;83(1):56–61
Effect of angiotensin II and vasopressin on acquisition and extinction of conditioned avoidance in rats. Baranowska D, et al. **Psychopharmacology (Berlin)** 1983;81(3):247–51
Prior behavioral experience can reverse the effects of morphine. Barrett JE, et al. **Psychopharmacology (Berlin)** 1983;81(2):107–10

Comparison in the mouse of the effect of the opiate delta receptor antagonist ICI 154129 and naloxone in tests of extinction, passive avoidance and food intake. Benton D, et al. **Psychopharmacology (Berlin)** 1984;82(1–2):41–5

Passive avoidance in rats: disruption by dopamine applied to the nucleus accumbens. Bracs PU, et al. **Psychopharmacology (Berlin)** 1984;83(1):70–5

The comparative effects of benzodiazepines, progabide and PK 9084 on acquisition of passive avoidance in mice. Broekkamp CL, et al. **Psychopharmacology (Berlin)** 1984; 83(1):122–5

The effect of the enantiomers of 3-PPP on conditioned avoidance responding in the rat. Clark D, et al. **Psychopharmacology (Berlin)** 1983;81(1):14–7

Lithium effects on active and passive avoidance behavior in the rat. Hines G, et al. **Psychopharmacology (Berlin)** 1984; 82(1–2):78–82

Conditioned lever-press avoidance response in mice: acquisition processes and effects of diazepam. Kuribara H, et al. **Psychopharmacology (Berlin)** 1984;82(1–2):36–40

Naloxone administration following brief exposure to novelty reduces activity and rearing in mice upon 24-h retest: a conditioned aversion? Rodgers RJ, et al. **Psychopharmacology (Berlin)** 1984;82(4):322–6

Opposite action of m-chlorophenylpiperazine on avoidance depression induced by trazodone and pimozide in CD-1 mice. Vetulani J, et al. **Psychopharmacology (Berlin)** 1984; 83(2):166–8

Behavioral avoidance and selection responses of fishes to chemicals. Beitinger TL, et al. **Residue Rev** 1983;90:35–55 (39 ref.)

The role of noradrenaline in learned behaviors: studies using DSP4. Archer T. **Scand J Psychol** 1982;Suppl 1:61–71

Conditioning of a discriminative drug stimulus: overshadowing and blocking like procedures. Järbe TU, et al. **Scand J Psychol** 1983;24(4):325–30

Prenatal exposure to carbon monoxide: learning and memory deficits. Mactutus CF, et al. **Science** 1984 Jan 27; 223(4634):409–11

Male-transmitted developmental and neurobehavioral deficits. Adams PM, et al. **Teratogenesis Carcinog Mutagen** 1984;4(1):149–69

Taste aversion learning in preweanling rats exposed to alcohol prenatally. Riley EP, et al. **Teratology** 1984 Jun; 29(3):325–31

The effects of oral cadmium exposure on passive avoidance performance in the adult rat. Nation JR, et al. **Toxicol Lett** 1984 Jan;20(1):41–7

Differences in cholinergic agonist- and cholinergic antagonist-induced changes in avoidance responses between dd mice and Wistar rats. Kuribara H, et al. **Yakubutsu Seishin Kodo** 1983 Dec;3(3):159–66

Strain differences to the effects of apomorphine on Sidman avoidance response and motor activity in the Wistar and F344/DuCrj (Fischer) rats. Kuribara H. **Yakubutsu Seishin Kodo** 1983 May;3(1):29–35

[Tert-aminoalkyl derivatives of 3-methyl-6,8-diazaquinoxaline-2(1H)-ones. Effect on the acquisition and modification of a conditioned avoidance response in rats] Savelli F, et al. **Farmaco [Sci]** 1983 Nov; 38(11):869–76 (Eng. Abstr.) **(Ita)**

[Behavioral effects of amantadine on ambulatory activity and drinking in mice and on continuous and discrete avoidance responses in rats] Kuribara H, et al. **Nippon Yakurigaku Zasshi** 1984 Feb;83(2):147–58 (Eng. Abstr.) **(Jpn)**

[Variability in the effects of psychotic drugs on conditioned avoidance reactions in rats due to warning stimuli] Hayashi T, et al. **Yakubutsu Seishin Kodo** 1981 Oct;1(1):13–9 (Eng. Abstr.) **(Jpn)**

[Effect of the antioxidant ionol on the formation and retention of a defensive conditioned reflex during maximum physical exertion] Meerson FZ, et al. **Biull Eksp Biol Med** 1983 Sep;96(9):70–1 (Eng. Abstr.) **(Rus)**

[Analysis of acute and chronic effects of antidepressive agents in a learned helplessness model in mice] Rusakov DIu, et al. **Biull Eksp Biol Med** 1983 Nov;96(11):62–4 (Eng. Abstr.) **(Rus)**

[Neurochemical analysis of the mechanism of action of serotoninergic substances on avoidance behavior in situations of acute stress] Shelekhov SL, et al. **Biull Eksp Biol Med** 1984 Apr;97(4):423–6 (Eng. Abstr.) **(Rus)**

[Effect of substance P on behavior in the rabbit and the activity of cortical neurons during training] Shul'gina GI, et al. **Zh Vyssh Nerv Deiat** 1984 Mar–Apr;34(2):273–82 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Effects of hippocampal stimulation on retention and extinction of one way active avoidance response in cats. Gralewicz K, et al. **Acta Neurobiol Exp (Warsz)** 1984; 44(2):61–72

Effects of intracerebroventricularly administered cholecystokinin antisera on active avoidance and conditioned feeding behaviour of rats. Fekete M, et al. **Acta Physiol Acad Sci Hung** 1982;60(4):243–9

Changes in the amplitude of hippocampal evoked potentials during avoidance behaviour in the cat. Gralewicz S, et al. **Acta Physiol Pol** 1983 Jul–Aug;34(4):419–29

Lack of functional messenger RNA (mRNA) coding for a microtubule-associated protein correlates with poor performance of rats in a behavioral paradigm. Strocchi P, et al. **Behav Genet** 1983 Sep;13(5):501–8

Rapid acquisition of two-way active avoidance in inbred Roman low avoidance rats. van der Staay FJ, et al. **Behav Genet** 1983 Jul;13(4):435–40

Inhibitory avoidance deficit following short-term adrenalectomy in the rat: the role of adrenal catecholamines. Borrell J, et al. **Behav Neural Biol** 1983 Nov;39(2):241–58

Cortical spreading depression and conditioned taste aversion: an attempt to resolve a controversy. Davis JL, et al. **Behav Neural Biol** 1983 Mar;37(2):338–43

Gastrointestinal reactivity in rats lacking anterior insular neocortex. Lasiter PS. **Behav Neural Biol** 1983 Sep; 39(1):149–54

Odor-aversion learning in neonate rat pups: the role of duration of exposure to an odor. Smith FJ, et al. **Behav Neural Biol** 1983 Mar;37(2):284–301

Uterine position and conditioned taste aversion. Babine AM, et al. **Behav Neurosci** 1984 Jun;98(3):461–6

Vagotomy produces learned food aversions in the rat. Bernstein IL, et al. **Behav Neurosci** 1983 Aug;97(4):585–94

Anterior thalamic lesions and neuronal activity in the cingulate and retrosplenial cortices during discriminative avoidance behavior in rabbits. Gabriel M, et al. **Behav Neurosci** 1983 Oct;97(5):675–96

Differential effects of double and triple lesions of the cat's limbic system on subsequent learning behavior. Irle E, et al. **Behav Neurosci** 1983 Dec;97(6):908–20

Disruption of passive avoidance learning in the rat by electrical stimulation of the hippocampus. Livesey PJ, et al. **Behav Neurosci** 1984 Aug;98(4):567–83

Cholinergic lesion of the striatum impairs acquisition and retention of a passive avoidance response. Sandberg K, et al. **Behav Neurosci** 1984 Feb;98(1):162–5

An association between granule cell density in the dentate gyrus and two-way avoidance conditioning in the house mouse. Wimer C, et al. **Behav Neurosci** 1983 Dec; 97(6):844–56

Fornix lesions, plasma ACTH levels, and shuttle box avoidance in rats. Woodruff ML, et al. **Behav Neurosci** 1983 Dec;97(6):897–907

The effect of lesions in the mesencephalic reticular formation upon conditioned avoidance responses in rat: I. Lesions of the nucleus commissurae posterioris. Mager P, et al. **Biomed Biochim Acta** 1984;43(1):85–93

Lateral hypothalamic stimulation gates nucleus gigantocellularis-induced aversion via a reward-independent process. Carr KD, et al. **Brain Res** 1982 Jan 28;232(2):293–316

Electrical activity of the reticular formation during aversive and appetitive conditioning in rats. Irisawa N, et al. **Brain Res** 1984 Apr 2;296(2):211–23

Effect of bilateral lesions of the dentate and interpositus cerebellar nuclei on conditioning of heart-rate and nictitating membrane/eyelid responses in the rabbit. Lavond DG, et al. **Brain Res** 1984 Jul 9;305(2):323–30

Lesions of the stria terminalis attenuate the amnestic effect of amygdaloid stimulation on avoidance responses. Liang KC, et al. **Brain Res** 1983 Sep 12;274(2):309–18

Neuronal correlates of aversive learning in command neurons for avoidance behavior of Helix lucorum L. Maximova OA, et al. **Brain Res** 1984 Jan 30;292(1):139–49

Synaptosomal uptake studies on recombinant inbred mice; neurotransmitter interaction and behavioral correlates. Schoemaker H, et al. **Brain Res** 1982 Mar 11;235(2):253–64

Hemispheric asymmetry of synapses in chick medial hyperstriatum ventrale following passive avoidance training: a stereological investigation. Stewart MG, et al. **Brain Res** 1984 Feb;314(2):261–9

Deficits in passive avoidance learning in young rats following mecamylamine injections in the hippocampo-entorhinal area. Blozovski D. **Exp Brain Res** 1983;50(2–3):442–8

Sexual behavior: influence of avoidance conditioning and of immediate punishment in male rats. Poggioli R, et al. **Experientia** 1983 Dec 15;39(12):1414–6

Neurophysiological processes in the striopallidum in shaping of avoidance reactions. Kachalova LM, et al. **Int J Neurosci** 1984 Aug;23(4):247–67

Leg position learning by an insect. I. A heat avoidance learning paradigm. Forman RR. **J Neurobiol** 1984 Mar; 15(2):127–40

Passive avoidance training increases fucokinase activity in right forebrain base of day-old chicks. Lössner B, et al. **J Neurochem** 1983 Nov;41(5):1357–63

Ethological models in research into the neural mechanisms of short-term memory. Bureš J, et al. **J Physiol (Paris)** 1982–83;78(9):870–1

Two-way avoidance and acute shock stress induced alterations of regional noradrenergic, dopaminergic and serotonergic activity in Roman high- and low-avoidance rats. Driscoll P, et al. **Life Sci** 1983 Oct 24;33(17):1719–25

Levels of arginine-vasopressin in cerebrospinal fluid during passive avoidance behavior in rats. Laczi F, et al. **Life Sci** 1984 Jun 11;34(24):2385–91

Water, electrolytes contents of the brain and cerebral function in aged rats. Cahn J, et al. **Monogr Neural Sci** 1984;11:85–92

Role of the pallidum in the formation of different types of adaptive behavior. Kachalova LM. **Neurosci Behav Physiol** 1983 Sep–Oct;13(5):337–45

Interaction between spontaneously active cortical neurons during defensive conditioning. Karnup SV, et al. **Neurosci Behav Physiol** 1983 May–Jun;13(3):185–91

Dynamics of spatiotemporal organization of cortical potentials during extinction of an electrodefensive conditioned reflex in rabbits. Kurova NS. **Neurosci Behav Physiol** 1983 May–Jun;13(3):191–7

Defensive conditioning in Helix lucorum and associated changes in command neuron activity. Maksimova OA. **Neurosci Behav Physiol** 1983 May–Jun;13(3):209–15

Participation of the auditory cortex and emotiogenic subcortical systems in conditioned reflex formation and realization. Pukhov IA, et al. **Neurosci Behav Physiol** 1983 May–Jun;13(3):178–84

Striatonigral level of neurochemical organization of avoidance conditioned reflexes of various complexity. Suvorov NF, et al. **Neurosci Behav Physiol** 1983 Jul–Aug; 13(4):288–94

Differential 2-deoxyglucose uptake into chick brain structures during passive avoidance training. Kossut M, et al. **Neuroscience** 1984 Jul;12(3):971–7

Training increases [3H]fucose incorporation in chick brain only if followed by memory storage. Rose SP, et al. **Neuroscience** 1984 Jun;12(2):663–7

Strain specific cholinergic changes in response to stress: analysis of a time-dependent avoidance variation. Cooper DO, et al. **Pharmacol Biochem Behav** 1983 Sep;19(3):457–62

Evidence that taste aversion learning induced by l-5-hydroxytryptophan is mediated peripherally. Ervin GN, et al. **Pharmacol Biochem Behav** 1984 May; 20(5):799–802

The pituitary-adrenocortical system is not involved in the sex difference in passive avoidance. Heinsbroek RP, et al. **Pharmacol Biochem Behav** 1984 May;20(5):663–8

Differential effects of selective dopamine, norepinephrine or catecholamine depletion on activity and learning in the developing rat. Raskin LA, et al. **Pharmacol Biochem Behav** 1983 Nov;19(5):743–9

Two-way avoidance behavior of the roman rat strains following brain lesions. Guenaire C, et al. **Physiol Behav** 1983 Aug;31(2):159–66

Reward and aversive effects of lateral hypothalamic stimulation in rats measured by a modified runway and reward summation technique. Neeley SP, et al. **Physiol Behav** 1983 Nov;31(5):657–62

Recall of a previously acquired conditioned taste aversion in rats following lesions of the area postrema. Rabin BM, et al. **Physiol Behav** 1984 Mar;32(3):503–6

Septal inhibition of aversive emotional states. Thomas E, et al. **Physiol Behav** 1983 Nov;31(5):673–8

The effect of a choice alternative on sex differences in passive avoidance behavior. van Haaren F, et al. **Physiol Behav** 1984 Feb;32(2):211–5

Differences in the stereotypy response but not the hypomotility response to apomorphine in the Roman High and Low avoiding strains of rats. Durcan MJ, et al. **Psychopharmacology (Berlin)** 1984;82(3):215–20

Dopaminergic but not noradrenergic mediation of hyperactivity and performance deficits in the developing rat pup. Shaywitz BA, et al. **Psychopharmacology (Berlin)** 1984;82(1–2):73–7

Information and states of motor readiness: their effects on the covariation of heart rate and energy expenditure. Sherwood A, et al. **Psychophysiology** 1983 Sep;20(5):513–29

Olfactory involvement in learning processes. Sitaras N, et al. **Rhinology** 1983 Sep;21(3):273–80

Active and passive avoidance performances following bilateral olfactory bulbectomy. Archer T, et al. **Scand J Psychol** 1984;25(2):179–88

Serotonin neurons and aversive conditioning in the rat. Ogren SO, et al. **Scand J Psychol** 1982;Suppl 1:7–15

Postnatal modification of hippocampal circuitry alters avoidance learning in adult rats. Lipp HP, et al. **Science** 1984 Jul 6;225(4657):80–2

[Conditioned inhibitory response in the newborn rat: development, role of transmitters] Mysliveček J, et al. **J Physiol (Paris)** 1982–83;78(9):865–6 **(Fre)**

[Function of the adrenal cortex during elaboration of the passive avoidance conditioned reflex in immature rats] Kulikova NA, et al. **Biull Eksp Biol Med** 1984 Jun; 97(6):645–7 (Eng. Abstr.) **(Rus)**

[Neuroanatomical characteristics of rat strains differing in the ability to form active avoidance conditioned reflexes] Dmitrieva NI, et al. **Dokl Akad Nauk SSSR** 1983; 272(5):1235–8 **(Rus)**

[Role of the dorsal hippocampus in the feeding and avoidance behavior of rats] Chaichenko GM. **Fiziol Zh** 1984 Mar–Apr;30(2):129–33 (Eng. Abstr.) **(Rus)**

[Elaboration and preservation of defensive conditioned reflexes in the rat after different periods of adaptation to physical loading] Boev VM. **Zh Vyssh Nerv Deiat** 1983 Nov–Dec;33(6):1148–50 **(Rus)**

[Features of learning in rats with different levels of ethanol metabolism] Fedurina MA, et al. **Zh Vyssh Nerv Deiat** 1983 Nov–Dec;33(6):51156–8 **(Rus)**

[Changes in functional connections between adjacent and distant neurons of the motor cortex in the cat during elaboration of an electrodefensive reflexes] Galashina AG, et al. **Zh Vyssh Nerv Deiat** 1984 May–Jun;34(3):487–94 (Eng. Abstr.) **(Rus)**

[Effect of deprivation of paradoxical sleep on retention of the 'passive' avoidance response] Koridze MG, et al. **Zh Vyssh Nerv Deiat** 1983 Sep–Oct;33(5):858–63 (Eng.

Abstr.) (Rus)

[Formation, fixation and reproduction of temporary connections during adaptation to physical loading] Meerson FZ, et al. **Zh Vyssh Nerv Deiat** 1983 Sep–Oct;33(5):847–52 (Eng. Abstr.) (Rus)

[Conditioned reflex switching-over in the rat after temporary functional decortication] Nezlina NI, et al. **Zh Vyssh Nerv Deiat** 1983 Sep–Oct;33(5):834–8 (Eng. Abstr.) (Rus)

[Effect of previous experience in reacting to a danger signal on 'open field' behavior in the rat] Poltyreva TE, et al. **Zh Vyssh Nerv Deiat** 1983 Jul–Aug;33(4):679–84 (Eng. Abstr.) (Rus)

[Participation of neurons of the associative cerebral cortex in the formation of a conditioned defensive reflex] Soboleva IV. **Zh Vyssh Nerv Deiat** 1983 Nov–Dec;33(6):1074–8 (Eng. Abstr.) (Rus)

RADIATION EFFECTS

Comparative effects of exposure to high-energy electrons and gamma radiation on active avoidance behaviour. Hunt WA. **Int J Radiat Biol** 1983 Sep;44(3):257–60

Effects of dose and of partial body ionizing radiation on taste aversion learning in rats with lesions of the area postrema. Rabin BM, et al. **Physiol Behav** 1984 Jan;32(1):119–22

AWARDS AND PRIZES

The 1983 Division 27 Award for Distinguished Contributions to Community Psychology and Community Mental Health: Rudolf H. Moos. Trickett EJ. **Am J Community Psychol** 1984 Feb;12(1):1–5

The William Allan Memorial Award. Presented to Elizabeth F. Neufeld, Ph. D., at the annual meeting of the American Society of Human Genetics Detroit, September 29–October 2, 1982. Hirschhorn K. **Am J Hum Genet** 1983 Nov; 35(6):1077–80

The best and brightest. AJN Media Festival awards 1984. Meyer J. **Am J Nurs** 1984 Jul;84(7):894–8

Presentation of the Gold Headed Cane award to Robert W. Wissler 1983. **Am J Pathol** 1984 Jan;114(1):1–8

Medicine and the media. Rewarding science. Dixon B. **Br J Hosp Med** 1983 Sep;30(3):197

Presentation of Academy plaque to Iago Galdston, M.D. Clark DW. **Bull NY Acad Med** 1983 Sep;59(7):620–5

Presentation of Academy Medal to Edwin D. Kilbourne, M.D. Hirst GK. **Bull NY Acad Med** 1983 Sep;59(7):626–31

Canadian Anaesthetists' Society Medal. Dr. Richard G.B. Gilbert. **Can Anaesth Soc J** 1983 Sep;30(5):455–7 (Eng, Fre)

Canadian Anaesthetists' Society Medal. Wyant GM. **Can Anaesth Soc J** 1984 Jul;31(4):349–51 (Eng, Fre)

Distinguished achievement award in chest surgery. Bellows JG. **Compr Ther** 1984 Mar;10(3):5

Biologist Leroy Hood wins 3M Life Sciences Award. **Fed Proc** 1984 Apr;43(5):9a–10a

Friedenwald presentation to Gerald Klatskin, M.D. Boyer JL. **Gastroenterology** 1983 Dec;85(6):1235–8

Friedenwald presentation to Henry David Janowitz, M.D. Kirsner JB. **Gastroenterology** 1984 Oct;87(4):749–53

Methods of nominating for distinction and meritorious service awards in Scotland. Shaw GB. **Health Bull (Edinb)** 1984 May;42(3):113–8

The Bancroft-Mackerras Medal of the Australian Society for Parasitology. **Int J Parasitol** 1983 Dec;13(6):523–5

On presentation of the Friedenwald Award in ophthalmology to Christina Enroth-Cugell and John G. Robson. Introduction of the Jonas Stein Friedenwald Award for 1983. Alpern M. **Invest Ophthalmol Vis Sci** 1984 Mar; 25(3):245–9

On presentation of the Proctor Award in Ophthalmology to Abraham Spector. Introduction of the Proctor Medal for 1983. Kinoshita JH. **Invest Ophthalmol Vis Sci** 1984 Feb;25(2):126–9

Association of University Radiologists. Gold Medal Award. Melvin M. Figley, MD. **Invest Radiol** 1983 Jul–Aug; 18(4):305–6

Association of University Radiologists. Gold Medal Award. Robert N. Cooley, MD. **Invest Radiol** 1983 Jul–Aug; 18(4):306–7

Award of Merit to Esther F. Richwine. Hester HC. **J Am Coll Dent** 1983 Winter;50(4):17

Harold Hillenbrand presented the Award for Excellence. Kennedy LM. **J Am Coll Dent** 1983 Winter;50(4):9

Gies Award to Robert I. Kaplan. Olsen NH. **J Am Coll Dent** 1983 Winter;50(4):15

Beatrice Donaldson David, Ph.D., R.D., receives 1983 Copher Memorial Award. **J Am Diet Assoc** 1983 Nov; 83(5):589–91

Fellowship, scholarship, and award recipients for 1983–84. **J Am Diet Assoc** 1983 Nov;83(5):586–8

The Dale Medallist 1983: Lelio Orci. **J Endocrinol** 1984 Jul; 102(1):1

ACS professorships of clinical oncology. McGinnis LS. **J Med Assoc Ga** 1984 Mar;73(3):175–6

The Abraham Flexner Award for Distinguished Service to Medical Education. Julius R. Krevans, M.D. **J Med Educ** 1984 Feb;59(2):103–4

The AAMC Award for Distinguished Research in the Biomedical Sciences. Philip Leder, M.D. **J Med Educ** 1984 Feb;59(2):105–6

Presentation of the Henry Baldwin Ward Medal 1983. Anderson RC. **J Parasitol** 1984 Feb;70(1):18–22

Introduction of Dr. James M. Dunning, second recipient of the John W. Knutson Distinguished Service Award in Dental Public Health. Allukian M Jr. **J Public Health Dent** 1984 Spring;44(2):56–60

Lasker awards honored long-term achievers [news] Marwick C, et al. **JAMA** 1984 Jan 13;251(2):179, 182–4

1983 William D. Coolidge Award: presentation of the 1983 Coolidge Award to Edward W. Webster. Wright KA. **Med Phys** 1983 Sep–Oct;10(5):571–3

Presentation of Eliasberg Medal to Professor Leroy D. Vandam. Stark DC. **Mt Sinai J Med (NY)** 1983 Jul–Aug; 50(4):323

Rear Admiral Samuel S. Wald receives U.S. Coast Guard's Distinguished Public Service Award. **NY J Dent** 1984 Feb; 54(2):91

Dr. Joseph Schachner to receive Bronx County Dental Society's Distinguished Service Award. **NY J Dent** 1984 Jan;54(1):24

Handicapped oral surgeon receives special award (Mark Swerdloff). **NY State Dent J** 1983 Dec;49(10):788

1983 Distinguished Service Award (Robert S. Smith). Coppola SJ. **NY State Dent J** 1983 Dec;49(10):750

Profile on Dr Hans L. Frankel. Medallist of the International Medical Society of Paraplegia: 1983. Ross JC, et al. **Paraplegia** 1984 Feb;22(1):5–6

Presentation of the Howland Award, May, 1983. Finberg L. **Pediatr Res** 1983 Nov;17(11):843–7

American Physical Therapy Association awards for 1983. **Phys Ther** 1983 Nov;63(11):1812–5

RSNA '83: Gold Medalists and honorary members. Lester RG. **Radiology** 1984 Mar;150(3):839–41

[The Council of Europe honors 4000 physicians' work against torture] Rasmussen E. **Nord Med** 1983;98(12):305–6 (Dan)

[The Kolkwitz Award--a moral rearmament for the Environmental Health Administration] Dreyhaupt FJ. **Schriftenr Ver Wasser Boden Lufthyg** 1982;54:39–51 (Ger)

[The 1983 Hippocrates Medal] **ZFA (Stuttgart)** 1983 Nov 10;59(31):1759–62 (Ger)

[The Abraham Horwitz prize: Dr. Martin M. Cummings] **Bol Of Sanit Panam** 1984 Jan;96(1):73–8 (Spa)

AWARENESS see under **COGNITION**

AXENIC ANIMALS see **GERM-FREE LIFE**

AXILLA

Extragenital granuloma inguinale (Donovanosis) diagnosed in the United Kingdom: a clinical, histological, and electron microscopical study. Spagnolo DV, et al. **J Clin Pathol** 1984 Aug;37(8):945–9

Polymastia of axilla (a case report). Hardikar JV, et al. **J Postgrad Med** 1984 Jan;30(1):53–4

Congenital fibrosarcoma of the axilla in an infant. Chiba T. **Nippon Geka Hokan** 1983 Sep 1;52(5):725–8

[The incidence of clearly palpable axillary lymphatic nodes and their relationship to age, parity and breast-feeding capacity in patients without signs or symptoms. A prospective study based on 2458 women patients] Göttlicher S, et al. **Geburtshilfe Frauenheilkd** 1983 Aug; 43(8):509–11 (Eng. Abstr.) (Ger)

[A case of carcinoma originating from accessory breast tissue of the axilla] Matsuoka H, et al. **Gan No Rinsho** 1984 Apr; 30(4):387–91 (Eng. Abstr.) (Jpn)

ANATOMY & HISTOLOGY

Anatomical bases of transaxillary resection of the first rib. Nguyen H, et al. **Anat Clin** 1984;5(4):221–33

[Latissimus arc of the upper arm] Schramm U, et al. **Anat Anz** 1984;156(1):75–8 (Eng. Abstr.) (Ger)

INJURIES

[Cutaneous flap from the dorsum of the foot] Serra Renom JM, et al. **Rev Med Univ Navarra** 1983 Jun;27(2):21–4 (Spa)

INNERVATION

An unusual compressive neuropathy. Aita JF. **Arch Neurol** 1984 Mar;41(3):341

Axillary nerve injury [letter] Johnson EW. **Arch Neurol** 1984 Oct;41(10):1022

[Lesions of the circumflex nerve. Apropos of 19 cases] Alnot JY, et al. **Rev Chir Orthop** 1983;69(7):539–46 (Eng. Abstr.) (Fre)

MICROBIOLOGY

Colonization of the axilla by Propionibacterium avidum in relation to age. Nordstrom NK, et al. **Appl Environ Microbiol** 1984 Jun;47(6):1360–2

PATHOLOGY

Mamma aberrata axillaris diagnosed by aspiration cytology [letter] Sloboda J. **Acta Cytol (Baltimore)** 1983 Nov–Dec; 27(6):705–6

Submandibular and axillary schwannomas not associated with von Recklinghausen's disease. Attie JN, et al. **J Oral Maxillofac Surg** 1984 Jun;42(6):391–4

SURGERY

Intraoperative brachial plexus injuries during reconstruction of the burned axilla. Law EJ, et al. **J Hand Surg** 1983 Sep; 8(5 Pt 1):585–9

The inner arm fasciocutaneous flap. Budo J, et al. **Plast Reconstr Surg** 1984 Apr;73(4):629–32

Prevention of seromas following mastectomy and axillary dissection. Aitken DR, et al. **Surg Gynecol Obstet** 1984 Apr;158(4):327–30

[Surgical therapy of lymph node metastasis: neck, axilla, groin] Tonak J, et al. **Chirurg** 1983 Sep;54(9):561–8 (Ger)

[Hidradenitis suppurativa--treatment with myocutaneous island flap or the traditional method] Gorkisch K, et al. **Handchir Mikrochir Plast Chir** 1984 Jun;16(2):135–8 (Eng. Abstr.) (Ger)

[Left axillary incision for DDD pacemaker implantation] Kasagi Y, et al. **Kyobu Geka** 1983 Oct;36(10):802–4 (Eng. Abstr.) (Jpn)

AXILLARY ARTERY

False aneurysm treated by a combined approach of coil embolization and autologous vascular grafting. Kretschmer G, et al. **Cardiovasc Intervent Radiol** 1984;7(1):31–4

A double curve catheter for the left axillary artery approach to aortofemoral, selective renal and visceral angiography. Kinnunen J, et al. **Eur J Radiol** 1984 Aug;4(3):229–31

Traumatic pseudoaneurysm of the axillary artery: report of three cases and literature review. Gallen J, et al. **J Trauma** 1984 Apr;24(4):350–4

Case report 241. Post-traumatic pseudoaneurysm of the axillary artery producing pseudotumor of the humerus. White EM, et al. **Skeletal Radiol** 1983;10(3):178–82

[Coronarography by percutaneous puncture of the axillary artery. Value in arteriopathies of the lower limbs] Valeix B, et al. **Arch Mal Coeur** 1984 Jan;77(1):12–20 (Eng. Abstr.) (Fre)

[Arterial catheterism and Doppler sonographic registration of blood flow in infancy] Abel M, et al. **Klin Padiatr** 1984 Jan–Feb;196(1):18–20 (Eng. Abstr.) (Ger)

[Percutaneous transluminal vasodilatation. Long-term results and report on experiences with a new system of catheters: transaxillary technic] Olbert F, et al. **Wien Klin Wochenschr** 1983 Aug 5;95(15):528–36 (Eng. Abstr.) (Ger)

INJURIES

Neurovascular complications of the modified Bristow procedure. A case report. Iftikhar TB, et al. **J Bone Joint Surg [Am]** 1984 Jul;66(6):951–2

Axillary artery disruption secondary to anterior dislocation of the shoulder. Baratta JB, et al. **J Trauma** 1983 Nov; 23(11):1009–11

Neuropraxis secondary to hemorrhage in a traumatic dislocation of the shoulder. Nash E, et al. **J Trauma** 1984 Jun;24(6):546–7

Axillary artery rupture caused by shoulder dislocation. Gugenheim S, et al. **Surgery** 1984 Jan;95(1):55–8

PATHOLOGY

Takayasu's arteritis of the upper extremities. A case report and review of literature. Al-Awami S, et al. **Angiology** 1984 Jun;35(6):383–8

PHYSIOPATHOLOGY

Use of the indirect axillary pulse tracing for noninvasive determination of ejection time, upstroke time, and left ventricular wall stress throughout ejection in infants and young children. Colan SD, et al. **Am J Cardiol** 1984 Apr 1;53(8):1154–8

SURGERY

Extraanatomic vascular reconstruction in patients with aorto-iliac arteriosclerosis. Bergqvist D, et al. **Acta Chir Scand** 1984;150(3):205–9

Axillofemoral bypass in poor risk patients with critical ischaemia. Corbett CR, et al. **Ann R Coll Surg Engl** 1984 May;66(3):170–2

Patency of axillofemoral grafts [letter] Corbett CR, et al. **Br J Surg** 1983 Nov;70(11):699–700

Extra-anatomic grafts for limb salvage. Quinton DN, et al. **J R Coll Surg Edinb** 1984 May;29(3):158–61

Shoulder reconstruction following disarticulation for ruptured mycotic aneurysm. Stevenson TR, et al. **Plast Reconstr Surg** 1984 Sep;74(3):423–6

Experience with the axillo-axillary bypass. Aitken RJ, et al. **S Afr J Surg** 1983 Dec;21(4):215–21

Newer developments of extra-anatomic bypass. Connolly JE, et al. **Surg Gynecol Obstet** 1984 May;158(5):415–8

[Our experience with interaxillary shunts. Apropos of 39 shunts. Technic, results, indications] Burnay J, et al. **J Chir (Paris)** 1984 Feb;121(2):119–21 (Eng. Abstr.) (Fre)

[Axillo-femoral bypass using PTFE. Early and secondary results. 104 patients] Gigou F, et al. **J Mal Vasc** 1984; 9(2):83–9 (Eng. Abstr.) (Fre)

[Axillo-bipopliteal bypass] Gullà P, et al. **Minerva Cardioangiol** 1984 Jun;32(6):417–20 (Eng. Abstr.) (Ita)

[Uses and limitations of 'axillo-femoral and femorofemoral by-passes' studied from the viewpoint of our experience] Palladino F, et al. **Minerva Chir** 1984 Feb 28;39(4):221-4 (Eng. Abstr.) **(Ita)**

['Steal' effect on the blood circulation of the arm caused by axillo-femoral by-pass] Fernández de Caleya D, et al. **Angiologia** 1984 May-Jun;36(3):97-102 (Eng. Abstr.) **(Spa)**

AXILLARY VEIN

Pulmonary embolism secondary to venous thrombosis of the arm. Harley DP, et al. **Am J Surg** 1984 Feb;147(2):221-4

Insufficient venous drainage following axillary approach to brachial plexus blockade. Restelli L, et al. **Br J Anaesth** 1984 Sep;56(9):1051-3

Subclavian-axillary vein thrombosis: successful treatment with streptokinase. Wilson JJ, et al. **Can Med Assoc J** 1984 Apr 1;130(7):891-3

Urokinase perfusion for axillary-subclavian vein thrombosis. Fankuchen EI, et al. **Cardiovasc Intervent Radiol** 1984; 7(2):90-3

Percutaneous transluminal angioplasty of stenotic lesions in dialysis vascular accesses. Gaux JC, et al. **Eur J Radiol** 1983 Aug;3(3):189-93

Substernal goitre, deep venous thrombosis of the arm, and Pemberton's sign. Klaasen-Udding LM, et al. **Neth J Med** 1983;26(8):228-31

Local thrombolytic therapy for subclavian and axillary vein thrombosis. Treatment of the thoracic inlet syndrome. Becker GJ, et al. **Radiology** 1983 Nov;149(2):419-23

Axillary vein thrombosis simulating superior vena cava syndrome. Dellinger RP, et al. **South Med J** 1984 Apr; 77(4):507-10

[Catheterization of the axillary vein in intensive care. Analysis of a series of 151 cases] Auffray JP, et al. **Ann Fr Anesth Reanim** 1983;2(4):266-9 (Eng. Abstr.) **(Fre)**

[So-called primary or exertion-induced axillosubclavian phlebitis. Anatomico-functional conditions of appearance and bases of surgical treatment] Rettori R. **J Mal Vasc** 1984;9 Suppl A:22-4 **(Fre)**

[Surgery of the axillosubclavian venous trunk] Alcocer Andalon A, et al. **Angiologia** 1984 Mar-Apr;36(2):63-70 (Eng. Abstr.) **(Spa)**

[Venous thrombosis of the upper limb] Mateo AM. **Angiologia** 1983 Nov-Dec;35(6):251-5 (Eng. Abstr.) **(Spa)**

INJURIES

For want of an X-ray...! Shevland JE. **Australas Radiol** 1984 Feb;28(1):56-7

SURGERY

Operative treatment of refractory superior vena cava syndrome. Gutowicz MA, et al. **Am Surg** 1984 Jul; 50(7):399-401

Subcutaneous brachial vein arteriovenous fistula for chronic hemodialysis. Koontz PG Jr, et al. **World J Surg** 1983 Sep; 7(5):672-4

[Axillo-femoral vein bypass for superior vena cava syndrome with Gore-tex graft with external ring support] Asada T, et al. **Kyobu Geka** 1984 Jan;37(1):53-6 (Eng. Abstr.) **(Jpn)**

AXIS

Spondylolysis of the axis. Report of four cases. Hasue M, et al. **Spine** 1983 Nov-Dec;8(8):901-6

[Ewing's tumor of the epistropheus. Case report] Poul J, et al. **Acta Chir Orthop Traumatol Cech** 1984 Apr;51(2):157-60 (Eng. Abstr.) **(Cze)**

[Degenerative blockbuilding between the 2d and 3d cervical vertebrae] Kock C, et al. **Z Orthop** 1984 May-Jun; 122(3):274-7 (Eng. Abstr.) **(Ger)**

[Osteoid osteoma of the 2d cervical vertebra] Kropp F, et al. **Riv Neurobiol** 1983 Jan-Mar;29(1):58-63 (Eng. Abstr.) **(Ita)**

ABNORMALITIES

Indications and technique for the operative treatment of hypoplastic deformities of the odontoid process. Karimi-Nejad A. **Neurosurg Rev** 1983;6(4):221-7

Microscopic decompression of the anterior upper cervical spine: a case of odontoid malunion to the atlas. Miller J, et al. **Neurosurgery** 1984 May;14(5):583-7

Fusion of the anterior arch of the atlas and dens. Olbrantz K, et al. **Skeletal Radiol** 1984;12(1):21-2

Case report 261: os odontoideum (OO). Thomason M, et al. **Skeletal Radiol** 1984;11(2):144-6

[Origin of the odontoid bone] Nikitin MN. **Vestn Rentgenol Radiol** 1983 Nov-Dec;(6):80-2 **(Rus)**

INJURIES

Odontoid fractures, systemic disease and conservative care. Dickson H, et al. **Aust NZ J Surg** 1984 Jun;54(3):243-7

Respiratory arrest following posteriorly displaced odontoid fractures. Case reports and review of the literature. Lewallen RP, et al. **Clin Orthop** 1984 Sep;(188):187-90 (7 ref.)

Hangman's fracture in a patient with osteogenesis imperfecta. Case report. Rush GA, et al. **J Bone Joint Surg [Am]** 1984 Jun;66(5):778-9

Stable fractures of the atlas and axis in children. Richards PG. **J Neurol Neurosurg Psychiatry** 1984 Aug;47(8):781-3

Locked facets with fracture of the neural arch of the axis. Dussault RG, et al. **Spine** 1983 May-Jun;8(4):365-7

The nonsurgical management of odontoid fractures in adults. Wang GJ, et al. **Spine** 1984 Apr;9(3):229-30

[Fractures of the posterior arch of C2. Apropos of 34 cases] Chabannes J, et al. **Neurochirurgie** 1984;30(2):93-8 (Eng. Abstr.) **(Fre)**

[Bipedicular fractures of C2 and safety belts] Chabannes J, et al. **Neurochirurgie** 1984;30(3):183-7 (Eng. Abstr.) **(Fre)**

[Treatment of fractures of the posterior axial arch. Results of 41 cases] Mestdagh H, et al. **Rev Chir Orthop** 1984; 70(1):21-8 (Eng. Abstr.) **(Fre)**

[Treatment of fresh fractures of the dens axis by compression screw osteosynthesis] Knöringer P. **Neurochirurgia (Stuttg)** 1984 May;27(3):68-72 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Odontoid hypoplasia. McManners T. **Br J Radiol** 1983 Dec; 56(672):907-10

RADIONUCLIDE IMAGING

Radioxenon retention in the skeleton on a routine ventilation study. Kramer EL, et al. **Clin Nucl Med** 1983 Jul; 8(7):299-300

SURGERY

Treatment of pedicular fractures of the axis. A clinical study and screw fixation technique. Borne GM, et al. **J Neurosurg** 1984 Jan;60(1):88-93

[Atloido-axoid surgery by a transoral approach] Louis R. **Rev Chir Orthop** 1983;69(5):381-91 (Eng. Abstr.) **(Fre)**

AXOLOTL see AMBYSTOMA

AXONS

The effect of age on the nerve fiber population of the human optic nerve. Balazsi AG, et al. **Am J Ophthalmol** 1984 Jun; 97(6):760-6

Combined action of intraaxonal iodate and external sea anemone toxin ATX II on sodium channel inactivation of frog nerve fibres. Schmidtmayer J, et al. **Pflugers Arch** 1983 Aug;398(3):204-9

Axonal growth in mesothelial chambers. The role of the distal nerve segment. Danielsen N, et al. **Scand J Plast Reconstr Surg** 1983;17(2):119-25

ANALYSIS

Axolemma is a mitogen for human Schwann cells. Sobue G, et al. **Ann Neurol** 1984 May;15(5):449-52

The subcellular localization of lipid in myelin-free axonal preparations. Henderson TJ, et al. **Brain Res** 1984 Jul 23; 306(1-2):179-88

Evidence for the concentration of F-actin and myosin in synapses and in the plasmalemmal zone of axons. Drenckhahn D, et al. **Eur J Cell Biol** 1983 Sep;31(2):235-40

Immunohistochemical differences between neurofilaments in perikarya, dendrites and axons. Immunofluorescence study with antisera raised to neurofilament polypeptides (200K, 150K, 70K) isolated by anion exchange chromatography. Dahl D. **Exp Cell Res** 1983 Dec;149(2):397-408

18B1: an axon-specific antigen associated with many proteins. Hawkes R, et al. **J Neurochem** 1984 Feb;42(2):587-9

Subunit composition specific to axonally transported tubulin. Tashiro T, et al. **Neuroscience** 1983 Aug;9(4):943-50

The goldfish nervus terminalis: a luteinizing hormone-releasing hormone and molluscan cardioexcitatory peptide immunoreactive olfactoretinal pathway. Stell WK, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(3):940-4

CYTOLOGY

Changes in extracellular space in optic nerves of regenerative and nonregenerative animals after hypertonic fixation: implications for axon regeneration. Krayanek S, et al. **Exp Neurol** 1984 Jan;83(1):42-8

The medial division of the medial geniculate body of the cat: implications for thalamic organization. Winer JA, et al. **J Neurosci** 1983 Dec;3(12):2629-51

The fate of severed corticospinal axons. Fishman PS, et al. **Neurology (NY)** 1984 Sep;34(9):1161-7

DRUG EFFECTS

Aluminum-induced neurofibrillary changes in axons and dendrites. Wisniewski HM, et al. **Acta Neuropathol (Berl)** 1984;63(3):190-7

Effects of monosodium glutamate on the development of intraventricular axons in the rat hypothalamus. Mestres P, et al. **Anat Embryol (Berl)** 1983;168(3):433-44

Antagonism of tetrodotoxin- and procaine-induced axonal blockade by adenine nucleotides in the frog sciatic nerve. Ribeiro JA, et al. **Br J Pharmacol** 1984 Feb;81(2):277-82

The effects of nerve growth factor and its antibodies on axonal numbers in the medial gastrocnemius nerve of the rat. Jenq CB, et al. **Brain Res** 1984 May 7;299(1):9-14

Batrachotoxin induced axonal necrosis followed by regeneration. Moore GR, et al. **Brain Res** 1983 Nov 21; 279(1-2):246-9

Effects of insulin, insulin-like growth factor-II and nerve growth factor on neurite outgrowth in cultured human neuroblastoma cells. Recio-Pinto E, et al. **Brain Res** 1984 Jun 8;302(2):323-34

Conduction-block induced by capsaicin in crayfish giant axon. Yamanaka K, et al. **Brain Res** 1984 May 21; 300(1):113-9

Steroid suppression of axon sprouting in the hippocampal dentate gyrus of the adult rat: dose-response relationship. Scheff SW, et al. **Exp Neurol** 1983 Oct;82(1):183-91

Axonal microtubules necessary for generation of sodium current in squid giant axons: II. Effect of colchicine upon asymmetrical displacement current. Matsumoto G, et al. **J Membr Biol** 1984;77(2):93-9

Depolarizing action of a red-tide dinoflagellate brevetoxin on axonal membranes. Huang JM, et al. **J Pharmacol Exp Ther** 1984 May;229(2):615-21

The effect of local anaesthetics on the components of the asymmetry current in the squid giant axon. Bekkers JM, et al. **J Physiol (Lond)** 1984 Jul;352:653-68

The asymmetrical effects of some ionized n-octyl derivatives on the sodium current of the giant axon of Loligo forbesi. Elliott JR, et al. **J Physiol (Lond)** 1984 May;350:429-45

Use of excitatory amino acids to make axon-sparing lesions of hypothalamus. Nadler JV, et al. **Methods Enzymol** 1983; 103:393-400

Excitotoxic amino acids as neuroendocrine research tools. Olney JW, et al. **Methods Enzymol** 1983;103:379-93

Actions of potassium channel blockers on guinea-pig lateral olfactory tract axons. Galvan M, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Jan; 325(1):8-11

Tullidora (Karwinskia humboldtiana) toxin mainly affects fast conducting axons. Hernández-Cruz A, et al. **Neuropathol Appl Neurobiol** 1984 Jan-Feb;10(1):11-24

Effect of 5-hydroxydopamine on the large dense-cored vesicles in the axon terminals of the myenteric ganglia of the guinea-pig stomach. Hoyes AD, et al. **Neurosci Lett** 1983 Oct 10;40(3):251-6

A new pyrethroid insecticide with remarkable potency on nerve axons. Gammon DW, et al. **Neurotoxicology (Park Forest Il)** 1983 Summer;4(2):165-9

The active guanidinium group of saxitoxin and neosaxitoxin identified by the effects of pH on their activities on squid axon. Kao PN, et al. **Pflugers Arch** 1983 Aug; 398(3):199-203

The effects of a scorpion venom on the ionic currents of the squid giant axon. Franciolini F. **Riv Biol** 1983 Winter; 76(4):666-9

The effect of 3,4-dimethyl substitution on the neurotoxicity of 2,5-hexanedione. I. Accelerated clinical neuropathy is accompanied by more proximal axonal swellings. Anthony DC, et al. **Toxicol Appl Pharmacol** 1983 Dec;71(3):362-71

ENZYMOLOGY

Cholinesterase activity in the rat superior cervical ganglion: effect of denervation and axotomy. Viana GB, et al. **Brain Res** 1984 Jun 18;304(1):37-45

Presence of phospholipid-N-methyltransferases and base-exchange enzymes in rat central nervous system axolemma-enriched fractions. Hattori H, et al. **J Neurochem** 1984 Oct;43(4):1018-24

GROWTH & DEVELOPMENT

Neuronotrophic effects of skeletal muscle fractions on neurite development. Hsu L, et al. **Muscle Nerve** 1984 Mar-Apr; 7(3):211-7

Competition controls the growth of an identified axonal arborization. Murphey RK, et al. **Science** 1984 Jun 22; 224(4655):1352-5

IMMUNOLOGY

Rapid alterations of the axon membrane in antibody-mediated demyelination. Saida K, et al. **Ann Neurol** 1984 Jun;15(6):581-9

Surface molecules identify groups of growing axons. McKay RD, et al. **Science** 1983 Nov 18;222(4625):788-94 (24 ref.)

METABOLISM

Na+-Ca2+ exchange in the axolemma-rich membrane vesicle preparations from the walking-leg nerves of the American lobster. Peterson AA, et al. **Biochim Biophys Acta** 1984 Mar 28;771(1):53-8

Potassium channel kinetics in squid axons with elevated levels of external potassium concentration. Clay JR. **Biophys J** 1984 Feb;45(2):481-5

Molecular mechanism of sodium conductance changes in nerve: the role of electron transfer and energy migration. Lee CY. **Bull Math Biol** 1983;45(5):759-80

Retrograde axoplasmic transport of neurosecretory material. An immunocytochemical and electron-microscopic study of transected axons in normal and colchicine-treated rats. Alonso G, et al. **Cell Tissue Res** 1983;233(1):183-96

Calcium dynamics, exocytosis, and membrane turnover in the ovulation hormone-releasing caudo-dorsal cells of Lymnaea stagnalis. Buma P, et al. **Cell Tissue Res** 1983;

233(1):143–59
Serotonin type–2 receptors undergo axonal transport in the medial forebrain bundle. Snowhill EW, et al. **Eur J Pharmacol** 1983 Nov 25;95(3–4):325–7
Axoplasmic incorporation of amino acids in myelinated fibers of the cat. Contreras G, et al. **Exp Neurol** 1983 Dec; 82(3):581–93
Membrane biogenesis in the sprouting neuron. I. Selective transfer of newly synthesized phospholipid into the growing neurite. Pfenninger KH, et al. **J Cell Biol** 1983 Oct;97(4):1038–42
Interaction of internal anions with potassium channels of the squid giant axon. Adams DJ, et al. **J Gen Physiol** 1983 Oct;82(4):429–48
Analysis of sodium current fluctuations in the cut–open squid giant axon. Llano I, et al. **J Gen Physiol** 1984 Feb; 83(2):133–42
Presynaptic nicotinic cholinergic receptors labeled by [3H]acetylcholine on catecholamine and serotonin axons in brain. Schwartz RD, et al. **J Neurochem** 1984 May; 42(5):1495–8
Incorporation of 3H–amino acids into proteins in a partially purified fraction of axoplasm: evidence for transfer RNA–mediated, post–translational protein modification in squid giant axons. Ingoglia NA, et al. **J Neurosci** 1983 Dec; 3(12):2463–73
Demonstration of retrogradely transported endogenous nerve growth factor in axons of sympathetic neurons. Palmatier MA, et al. **J Neurosci** 1984 Mar;4(3):751–6
The problems of neurons with long axons. Cavanagh JB. **Lancet** 1984 Jun 9;1(8389):1284–7
Origin of axoplasmic RNA in the squid giant fiber. Cutillo V, et al. **Neurochem Res** 1983 Dec;8(12):1621–34
Evidence that multiple species of aminoacylated transfer RNA are present in regenerating optic axons of goldfish. Zanakis MF, et al. **Neurochem Res** 1984 Feb;9(2):249–62
Enrichment of cyclic adenosine 3',5'–monophosphate and cyclic guanosine 3',5'–monophosphate in cholinergic axon terminals of the Torpedo electric organ. Röhrkasten A, et al. **Neurosci Lett** 1983 Dec 2;42(2):201–6
Uptake of D–aspartate and L–glutamate in excitatory axon terminals in hippocampus: autoradiographic and biochemical comparison with gamma–aminobutyrate and other amino acids in normal rats and in rats with lesions. Taxt T, et al. **Neuroscience** 1984 Jan;11(1):79–100
Evidence that transmitter can be released from regions of the nerve cell other than presynaptic axon terminal: axonal release of acetylcholine without modulation. Vizi ES, et al. **Neuroscience** 1983 Nov;10(3):967–72
The energetics and kinetics of sodium–calcium exchange in barnacle muscles, squid axons, and mammalian heart: the role of ATP. Blaustein MP. **Soc Gen Physiol Ser** 1984; 38:129–47
[Subcellular localization of calcium in the neurosecretory axon terminals of the neurohypophysis of the rat following stimulation by administration of hypertonic salt solution] Karcsú S, et al. **Acta Histochem (Jena)** 1983;73(1):1–8 (Eng. Abstr.) **(Ger)**
[Composition of the polypeptides participating in orthograde axonal transport in the nerve elements of the caudal mesenteric ganglion of the cat] Bulygin IA, et al. **Fiziol Zh SSSR** 1984 Mar;70(3):316–21 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Uptake and transport of herpes simplex virus in neurites of rat dorsal root ganglia cells in culture. Lycke E, et al. **J Gen Virol** 1984 Jan;65 (Pt 1):55–64

PATHOLOGY

Thin axons relative to myelin spiral length in hereditary motor and sensory neuropathy, type I. Nukada H, et al. **Ann Neurol** 1983 Dec;14(6):648–55
Neuroaxonal dystrophy of Rottweiler dogs. Chrisman CL, et al. **J Am Vet Med Assoc** 1984 Feb 15;184(4):464–7
[A patient with an unclassifiable form of neuroaxonal dystrophy] Bakker HD, et al. **Tijdschr Kindergeneeskd** 1983 Aug;51(4):147–9 (Eng. Abstr.) **(Dut)**

PHYSIOLOGY

Ganglioside induced surface activity and neurite formation of Neuro–2a neuroblastoma cells. Roisen FJ, et al. **Adv Exp Med Biol** 1984;174:499–511
Axonal sprouting and recovery of function after brain damage. Tsukahara N, et al. **Adv Neurol** 1983;39:1073–84
Ionic currents in vertebrate myelinated nerve at hyperbaric pressure. Kendig JJ. **Am J Physiol** 1984 Jan;246(1 Pt 1):C84–90
Nitrogen narcosis and pressure reversal of anesthetic effects in node of Ranvier. Kendig JJ. **Am J Physiol** 1984 Jan;246(1 Pt 1):C91–5
Developmental study of axon formation in the horizontal neurons of the retina of the chick embryo. Génis–Gálvez JM, et al. **Anat Embryol (Berl)** 1981;161(3):319–27
Recent observations on the control of Schwann cell functions. Bunge RP. **Anat Rec [Suppl]** 1983;1:3–25
Differential effects of hypoosmotic hyponatric swelling on A and C fibers. Schimek F, et al. **Anesthesiology** 1984 Mar; 60(3):198–204
Quantitative sudomotor axon reflex test in normal and neuropathic subjects. Low PA, et al. **Ann Neurol** 1983 Nov; 14(5):573–80
Cyclic AMP and calcium as potential mediators of stimulation of cultured Schwann cell proliferation by axolemma–enriched and myelin–enriched membrane fractions. Meador–Woodruff JH, et al. **Biochem Biophys Res Commun** 1984 Jul 18;122(1):373–80
Gangliosides stimulate neurite outgrowth and induce tubulin mRNA accumulation in neural cells. Rybak S, et al. **Biochem Biophys Res Commun** 1983 Nov 15;116(3):974–80
A possible involvement of cytoplasmic Ca2+ in sodium dependency of neurite outgrowth of rat pheochromocytoma PC12 cells. Koike T. **Biochim Biophys Acta** 1983 Oct 25;763(3):258–64
Single potassium channels with delayed rectifier behavior from lobster axon membranes. Coronado R, et al. **Biophys J** 1984 Jan;45(1):289–99
Fluctuation and linear analysis of Na–current kinetics in squid axon. Fishman HM, et al. **Biophys J** 1983 Sep;43(3):293–307
Rapid sodium channel conductance changes during voltage clamp steps in squid giant axons. Fohlmeister JF, et al. **Biophys J** 1984 Mar;45(3):513–21
Reexamination of the double sucrose gap technique for the study of lobster giant axons. Theory and experiments. Pooler JP, et al. **Biophys J** 1983 Nov;44(2):261–9
High intracellular pH reversibly prevents gating–charge immobilization in squid axons. Wanke E, et al. **Biophys J** 1983 Nov;44(2):281–4
Influence of temperature on slow flow in populations of regenerating axons with different elongation velocities. Cancalon P. **Brain Res** 1983 Sep;285(3):279–89
Regeneration of three populations of olfactory axons as a function of temperature. Cancalon P. **Brain Res** 1983 Sep; 285(3):265–78
Delayed induction of the cell body response and enhancement of regeneration following a condition/test lesion of frog peripheral nerve at 15 degrees C. Carlsen RC. **Brain Res** 1983 Nov 21;279(1–2):9–18
Lack of binocular activation of cells in area 19 of the Siamese cat. Di Stefano M, et al. **Brain Res** 1984 Jun 15;303(2):391–5
Myelin sheath thickness in the CNS is regulated near the axon. Friedrich VL Jr, et al. **Brain Res** 1983 Sep 12; 274(2):329–31
An anterograde neuroanatomical tracing method that shows the detailed morphology of neurons, their axons and terminals: immunohistochemical localization of an axonally transported plant lectin, Phaseolus vulgaris leucoagglutinin (PHA–L). Gerfen CR, et al. **Brain Res** 1984 Jan 9; 290(2):219–38
Effects of disruption of microtubules on translocation of particles and morphology in tissue cultured neurites. Horie H, et al. **Brain Res** 1983 Dec 12;288(1–2):85–93
Age related sprouting of dorsal root axons after sensory denervation. Hulsebosch CE, et al. **Brain Res** 1983 Dec 12;288(1–2):77–83
Effects of sciatic nerve regeneration on axonal populations in tributary nerves. Jenq CB, et al. **Brain Res** 1984 Mar 12;295(1):91–100
Intrathecal apamin selectively facilitates activity in ascending axons of rat spinal cord evoked by stimulation of afferent C fibers in sural nerve. Jurna I, et al. **Brain Res** 1983 Nov 28;280(1):186–9
Effect of sodium fluorescein on neurite outgrowth from the retinal explant culture: an in vitro model for retinal toxicity. Kato S, et al. **Brain Res** 1983 Dec;313(1):143–7
Ca2+ and pH affect the neurite formation in cultured mollusc isolated neurones. Kostenko MA, et al. **Brain Res** 1983 Oct 3;276(1):43–50
Alterations of norepinephrine metabolism in rat locus coeruleus neurons in response to axonal injury. Levin BE. **Brain Res** 1983 Dec 19;289(1–2):205–14
Widespread regeneration of central axons through the central nervous system of the goldfish. Levine RL. **Brain Res** 1983 Sep;285(3):416–9
Synaptic density and axonal sprouting in rat hippocampus: stability in adulthood and decline in late adulthood. McWilliams JR, et al. **Brain Res** 1984 Feb 27;294(1):152–6
Neurotrophic and neuronotrophic effects in the regenerating newt limb bud after electrical stimulation of brachiospinal nerves. Maier CE, et al. **Brain Res** 1984 Jun 3;301(2):363–9
Conduction velocity varies with osmotically induced changes of the area of the axon's profile. Minwegen P, et al. **Brain Res** 1984 Apr 9;297(1):105–13
Response to axotomy of an identified leech neuron, in vivo and in culture. Pellegrino M, et al. **Brain Res** 1984 Apr 30;298(2):347–52
Reinnervation of the ventral root L7 from ventral horn neurons following intramedullary axotomy in adult cats. Risling M, et al. **Brain Res** 1983 Nov 28;280(1):15–23
Cyclic AMP reduction of frequency following ability in peripheral axons. Seelig TL, et al. **Brain Res** 1983 Nov 21;279(1–2):303–7
Specific and potent mitogenic effect of axolemmal fraction on Schwann cells from rat sciatic nerves in serum–containing and defined media. Sobue G, et al. **Brain Res** 1983 Dec 5;280(2):263–75
Axolemmal differentiation in myelinated fibers of rat peripheral nerves. Tao–Cheng JH, et al. **Brain Res** 1983 Sep;285(3):251–63
Impulse conduction in inhomogeneous axons: effects of variation in voltage–sensitive ionic conductances on invasion of demyelinated axon segments and preterminal fibers. Waxman SG, et al. **Brain Res** 1984 Feb 27; 294(1):111–22
Selective reinnervation of limb muscles by regenerating frog motor axons. Westerfield M, et al. **Brain Res** 1983 Nov; 312(2):301–4
Changes in perikaryal organelles during axonal regeneration in goldfish retinal ganglion cells: an analysis of protein synthesis and routing. Whitnall MH, et al. **Brain Res** 1983 Aug 1;272(1):49–56
Intracellular staining of physiologically identified neurons and axons in the somatosensory thalamus of the cat. Yen CT, et al. **Brain Res** 1983 Nov 28;280(1):148–54
Effects of the tumor promoter 12–O–tetradecanoylphorbol–13–acetate on neurite outgrowth from chick embryo sensory ganglia. Hsu L, et al. **Cancer Res** 1984 Oct;44(10):4607–14
Temperature and pH dependence of nerve growth factor–mediated neurite outgrowth of PC12 pheochromocytoma cells. Koike T. **Cell Biol Int Rep** 1984 Jun;8(6):457–62
Osmotic properties of the squid giant axon and their modifications. Iwasa K. **Cell Mol Neurobiol** 1983 Jun; 3(2):151–61
Nucleotide specificity for reactivation of organelle movements in permeabilized axons. Forman DS, et al. **Cell Motil** 1984;4(2):121–8
Mitochondrial motility in axons: membranous organelles may interact with the force generating system through multiple surface binding sites. Martz D, et al. **Cell Motil** 1984; 4(2):89–101
Rheological properties of living cytoplasm: a preliminary investigation of squid axoplasm (Loligo pealei). Sato M, et al. **Cell Motil** 1984;4(1):7–23
The fine structure of identified electrotonic synapses following increased coupling resistance. Hanna RB, et al. **Cell Tissue Res** 1984;235(2):243–9
Axonally transported proteins in axon development, maintenance, and regeneration. Baitinger C, et al. **Cold Spring Harbor Symp Quant Biol** 1983;48 Pt 2:791–802
Studies on extracellular matrix components that promote neurite outgrowth. Lander AD, et al. **Cold Spring Harbor Symp Quant Biol** 1983;48 Pt 2:611–23
Molecular biology of neuronal geometry: expression of neurofilament genes influences axonal diameter. Lasek RJ, et al. **Cold Spring Harbor Symp Quant Biol** 1983;48 Pt 2:731–44
The production of a monoclonal antibody that blocks the action of a neurite outgrowth–promoting factor. Matthew WD, et al. **Cold Spring Harbor Symp Quant Biol** 1983;48 Pt 2:625–31
The effects of conditioned media on spinal neurites: substrate–associated changes in neurite direction and adherence. Gundersen RW, et al. **Dev Biol** 1984 Jul; 104(1):18–27
Axon growth in embryonic chick and quail retinal whole mounts in vitro. Halfter W, et al. **Dev Biol** 1984 Apr; 102(2):344–55
Neurite–promoting activities for embryonic spinal neurons and their developmental changes in the chick. Henderson CE, et al. **Dev Biol** 1984 Aug;104(2):336–47
Stereotyped and variable growth of redirected Mauthner axons. Katz MJ. **Dev Biol** 1984 Jul;104(1):199–209
Neuron differentiation and axon growth in the developing wing of Drosophila melanogaster. Murray MA, et al. **Dev Biol** 1984 Aug;104(2):259–73
In vitro experiments on axon guidance demonstrating an anterior–posterior gradient on the tectum. Bonhoeffer F, et al. **EMBO J** 1982;1(4):427–31
Extrinsic charge movement in the squid axon membrane. Effect of pressure and temperature. Benz R, et al. **Eur Biophys J** 1984;11(1):51–9
The (–)–deprenyl actions on beta–adrenergic receptors require the integrity of brain serotonergic axon terminals. Gandolfi O, et al. **Eur J Pharmacol** 1984 Apr 20; 100(2):233–7
Corticofugal axons in the lateral geniculate nucleus of the cat. Boyapati J, et al. **Exp Brain Res** 1984;53(2):335–40
A fine structural study of the formation of temporary swellings (Herring bodies) and reversible degeneration of neurosecretory axons following microiontophoretic ejection of vinblastine into the hypothalamo–neurohypophysial tract of the frog (Rana pipiens). Chang AC, et al. **Exp Brain Res** 1984;53(2):357–69
Morphophysiological study on the divergent projection of axon collaterals of medial vestibular nucleus neurons in the cat. Isu N, et al. **Exp Brain Res** 1983;53(1):151–62
Physiological identification of static beta axons in primate muscle. Murthy KS. **Exp Brain Res** 1983;52(1):6–8
Motoneuronal and motor axonal innervation in the rat hindlimb: a comparative study using horseradish peroxidase. Peyronnard JM, et al. **Exp Brain Res** 1983; 50(1):125–32
Ascending spinal axons that signal the position of the hindlimbs under static conditions: location and receptor input. Wei JY, et al. **Exp Brain Res** 1984;54(1):7–22
Role of glycoproteins in neuronal differentiation. Inhibition of neurite outgrowth and the major cell surface glycoprotein of murine neuroblastoma cells by a purified tunicamycin homologue. Richter–Landsberg C, et al. **Exp Cell Res** 1983 Dec;149(2):335–45
Axon–to–axon transmission in tullidora (buckthorn) neuropathy. Hernández–Cruz A, et al. **Exp Neurol** 1984 Jun;84(3):533–48

Distal reduction of the conduction velocity of alpha-axons in tullidora (buckthorn) neuropathy. Hernández-Cruz A, et al. **Exp Neurol** 1983 Nov;82(2):335-43

Invasion of the L7 ventral root and spinal pia mater by new axons after sciatic nerve division in kittens. Risling M, et al. **Exp Neurol** 1984 Jan;83(1):84-97

Beta-adrenergic receptors on splenic lymphocytes from axotomized mice. Miles K, et al. **Int J Immunopharmacol** 1984;6(3):171-7

Retinal ganglion cells and axons survive optic nerve transection. Madison R, et al. **Int J Neurosci** 1984 Mar; 23(1):15-32

Ontogenesis of the axolemma and axoglial relationships in myelinated fibers: electrophysiological and freeze-fracture correlates of membrane plasticity. Waxman SG, et al. **Int Rev Neurobiol** 1983;24:433-84 (123 ref.)

The re-innervation of olfactory glomeruli following transection of primary olfactory axons in the central or peripheral nervous system. Doucette JR, et al. **J Anat** 1983 Aug;137 (Pt 1):1-19

Immunocytochemical demonstration of alpha-tubulin modification during axonal maturation in the cerebellar cortex. Cumming R, et al. **J Cell Biol** 1984 Jan;98(1):347-51

Inhibition of neurite initiation and growth by taxol. Letourneau PC, et al. **J Cell Biol** 1984 Apr;98(4):1355-62

Laminin promotes neuritic regeneration from cultured peripheral and central neurons. Manthorpe M, et al. **J Cell Biol** 1983 Dec;97(6):1882-90

Components of the plasma membrane of growing axons. II. Diffusion of membrane protein complexes. Small RK, et al. **J Cell Biol** 1984 Apr;98(4):1434-43

Components of the plasma membrane of growing axons. I. Size and distribution of intramembrane particles. Small RK, et al. **J Cell Biol** 1984 Apr;98(4):1422-33

Components of the plasma membrane of growing axons. III. Saxitoxin binding to sodium channels. Strichartz GR, et al. **J Cell Biol** 1984 Apr;98(4):1444-52

Myelin-associated glycoprotein and myelinating Schwann cell-axon interaction in chronic B,B'-iminodipropionitrile neuropathy. Trapp BD, et al. **J Cell Biol** 1984 Apr; 98(4):1272-8

The growth of neurites from explants of brachial spinal cord exposed to different components of wing bud mesenchyme. Nurcombe V, et al. **J Comp Neurol** 1983 Sep 10; 219(2):133-42

The development of axonal connections in the central olfactory system of rats. Schwob JE, et al. **J Comp Neurol** 1984 Feb 20;223(2):177-202

Studies on the factors that govern directionality of axonal growth in the embryonic optic nerve and at the chiasm of mice. Silver J. **J Comp Neurol** 1984 Feb 20;223(2):238-51

Golgi studies on Purkinje cell development in the frog during spontaneous metamorphosis. III. Axonal development. Uray NJ, et al. **J Comp Neurol** 1982 Dec 1;212(2):202-7

The origin of postganglionic and sensory axons in the cervical sympathetic trunk of the cat: a horseradish peroxidase study. Wong WC, et al. **J Comp Neurol** 1984 Jan 10; 222(2):161-5

Astrocytic membrane morphology: differences between mammalian and amphibian astrocytes after axotomy. Wujek JR, et al. **J Comp Neurol** 1984 Feb 1;222(4):607-19

Conditioning factor(s) produced by several molluscan species promote neurite outgrowth in cell culture. Wong RG, et al. **J Exp Biol** 1983 Jul;'05:389-93

Hydrogen ion block of the sodium pore in squid giant axons. Begenisich T, et al. **J Gen Physiol** 1983 Nov;82(5):599-618

Induced capacitance in the squid giant axon. Lipophilic ion displacement currents. Fernández JM, et al. **J Gen Physiol** 1983 Sep;82(3):331-46

An optical determination of the series resistance in Loligo. Salzberg BM, et al. **J Gen Physiol** 1983 Dec;82(6):807-17

The periaxonal space of crayfish giant axons. Shrager P, et al. **J Gen Physiol** 1983 Aug;82(2):221-44

Threshold conditions for a diffusive model of a myelinated axon. Bell J, et al. **J Math Biol** 1983;18(1):39-52

Effects of D-600 on sodium current in squid axons. Clay JR, et al. **J Membr Biol** 1984;79(3):211-4

Axonal microtubules necessary for generation of sodium current in squid giant axons: I. Pharmacological study on sodium current and restoration of sodium current by microtubule proteins and 260K protein. Matsumoto G, et al. **J Membr Biol** 1984;77(2):77-91

Increased regeneration rate in peripheral nerve axons following double lesions: enhancement of the conditioning lesion phenomenon. Bisby MA, et al. **J Neurobiol** 1983 Nov;14(6):467-72

Promotion of neuritogenesis in mouse neuroblastoma cells by exogenous gangliosides. Relationship between the effect and the cell association of ganglioside GM1. Facci L, et al. **J Neurochem** 1984 Feb;42(2):299-305

Antiserum against neurite outgrowth factor in chick gizzard extract and its inhibitory effect on neuritic response in cultured ciliary neurons. Hayashi Y, et al. **J Neurochem** 1984 Feb;42(2):504-12

Regeneration of long spinal axons in the rat. Richardson PM, et al. **J Neurocytol** 1984 Feb;13(1):165-82

Sympathetic skin response--a method of assessing unmyelinated axon dysfunction in peripheral neuropathies. Shahani BT, et al. **J Neurol Neurosurg Psychiatry** 1984 May;47(5):536-42

Fasciculations and their F-response. Localisation of their axonal origin. Roth G. **J Neurol Sci** 1984 Mar;63(3):299-306

Integrative properties of crayfish medial giant neuron: steady-state model. Glantz RM, et al. **J Neurophysiol** 1983 Nov;50(5):1122-42

Chemical and electrotonic connections between Aplysia neurons in primary culture. Bodmer R, et al. **J Neurosci** 1984 Jan;4(1):228-33

Specific influence of striatal target neurons on the in vitro outgrowth of mesencephalic dopaminergic neurites: a morphological quantitative study. Denis-Donini S, et al. **J Neurosci** 1983 Nov;3(11):2292-9

Sprouting and regeneration of sensory axons after destruction of ensheathing glial cells in the leech central nervous system. Elliott EJ, et al. **J Neurosci** 1983 Oct; 3(10):1994-2006

Regional innervation of rabbit ciliary ganglion cells by the terminals of preganglionic axons. Forehand CJ, et al. **J Neurosci** 1984 Jan;4(1):1-12

Axonal pathfinding in the absence of normal pathways and impulse activity. Harris WA. **J Neurosci** 1984 Apr; 4(4):1153-62

Does timing of axon outgrowth influence initial retinotectal topography in Xenopus? Holt CE. **J Neurosci** 1984 Apr; 4(4):1130-52

Strengthening of synaptic contacts of an excitatory axon on elimination of a second excitatory axon innervating the same target. Parnas I, et al. **J Neurosci** 1984 Jul; 4(7):1912-23

Optical measurements of potential changes in axons and processes of neurons of a barnacle ganglion. Ross WN, et al. **J Neurosci** 1984 Mar;4(3):659-72

Neurite regeneration by Aplysia neurons in dissociated cell culture: modulation by Aplysia hemolymph and the presence of the initial axonal segment. Schacher S, et al. **J Neurosci** 1983 Dec;3(12):2403-13

A small atraumatic bipolar stimulating electrode for use on fine relatively inaccessible nerves. Lee KC, et al. **J Neurosci Methods** 1984 May;11(1):1-4

An effective sleeving technique in nerve repair. Young BL, et al. **J Neurosci Methods** 1984 Jan;10(1):51-8

Glycogen depletion elicited in tenuissimus intrafusal muscle fibres by stimulation of static gamma-axons in the cat. Decorte L, et al. **J Physiol (Lond)** 1984 Jan;346:341-52

Axonal projections from the rostral expiratory neurones of the Bötzinger complex to medulla and spinal cord in the cat. Fedorko L, et al. **J Physiol (Lond)** 1984 May; 350:487-96

The synaptic current evoked in cat spinal motoneurones by impulses in single group Ia axons. Finkel AS, et al. **J Physiol (Lond)** 1983 Sep;342:615-32

Functional, structural and chemical correlates of sprouting of intact preganglionic sympathetic axons in the guinea-pig. Fonnum F, et al. **J Physiol (Lond)** 1984 Feb;347:741-9

Interpretation of fusimotor activity in cat masseter nerve during reflex jaw movements. Gottlieb S, et al. **J Physiol (Lond)** 1983 Dec;345:423-38

The action of alcohols and other non-ionic surface active substances on the sodium current of the squid giant axon. Haydon DA, et al. **J Physiol (Lond)** 1983 Aug;341:411-27

The effects of some inhalation anaesthetics on the sodium current of the squid giant axon. Haydon DA, et al. **J Physiol (Lond)** 1983 Aug;341:429-39

Repression of inactive motor nerve terminals in partially denervated rat muscle after regeneration of active motor axons. Ribchester RR, et al. **J Physiol (Lond)** 1984 Feb; 347:497-511

Motor unit size and synaptic competition in rat lumbrical muscles reinnervated by active and inactive motor axons. Ribchester RR, et al. **J Physiol (Lond)** 1983 Nov;344:89-111

Nerve growth and ectopic synapse formation induced by muscle damage in the frog. Sayers H, et al. **J Physiol (Lond)** 1984 Jul;352:319-26

The effects of neural crest deletions on the development of sensory innervation patterns in embryonic chick hind limb. Scott SA. **J Physiol (Lond)** 1984 Jul;352:285-304

Axon conduction failure under in vivo conditions in crayfish. Smith DO. **J Physiol (Lond)** 1983 Nov;344:327-33

Physiological synaptic interactions mediated by potassium ions. Spira ME, et al. **J Physiol (Paris)** 1982-83; 78(8):689-94

A proposed membrane model for generation of sodium currents in squid giant axons. Matsumoto G. **J Theor Biol** 1984 Apr 21;107(4):649-66

A theoretical study on heat production in squid giant axon. Nogueira R de A, et al. **J Theor Biol** 1983 Sep 7; 104(1):43-52

Lateral spread of light-induced response at the cell body and axon terminal levels of external horizontal cells in the carp retina. Teranishi T. **Jpn J Physiol** 1983;33(3):417-28

Simulation of voltage clamp experiments with FET analogue circuits. Roy G. **Med Biol Eng Comput** 1984 Jul;22(4):377-8

Do axon reflexes exist within the lung? Trenchard D. **Med Hypotheses** 1983 Dec;12(4):389-98

Motor axon loop: an electroneurographic response. Roth G, et al. **Muscle Nerve** 1984 May;7(4):294-7

Inhibition of terminal axonal sprouting by serum from patients with amyotrophic lateral sclerosis. Gurney ME, et al. **N Engl J Med** 1984 Oct 11;311(15):933-9

Gelsolin inhibition of fast axonal transport indicates a requirement for actin microfilaments. Brady ST, et al. **Nature** 1984 Jul 5-11;310(5972):56-8

Current generated by backward-running electrogenic Na pump in squid giant axons. De Weer P, et al. **Nature** 1984 May 31-Jun 6;309(5967):450-2

Threshold channels--a novel type of sodium channel in squid giant axon. Gilly WF, et al. **Nature** 1984 May 31-Jun 6; 309(5967):448-50

Prenatal development of individual retinogeniculate axons during the period of segregation. Sretavan D, et al. **Nature** 1984 Apr 26-May 2;308(5962):845-8

Elevated corticosterone levels. A possible cause of reduced axon sprouting in aged animals. DeKosky ST, et al. **Neuroendocrinology** 1984 Jan;38(1):33-8

An ultrastructural study of the early stages of axonal regeneration through rat nerve grafts. Anderson PN, et al. **Neuropathol Appl Neurobiol** 1983 Nov-Dec;9(6):455-66

Fetal mesencephalic neurons survive and extend long axons across peripheral nervous system grafts inserted into the adult rat striatum. Aguayo AJ, et al. **Neurosci Lett** 1984 Mar 9;45(1):53-8

Recovery from spinal transection in fish: regrowth of axons past the transection. Coggeshall RE, et al. **Neurosci Lett** 1983 Aug 8;38(3):227-31

Spontaneous respiratory activity of phrenic and intercostal Renshaw cells. Hilaire G, et al. **Neurosci Lett** 1983 Dec 23;43(1):97-101

Calcium-containing mitochondrial granules in neurohypophysial axon terminals disappear following vasopressin treatment of Brattleboro rats. Karcsú S, et al. **Neurosci Lett** 1983 Aug 29;39(2):181-5

Some dorsal raphe axons of the cat bifurcate to project into bilateral medial forebrain bundles. Watabe K, et al. **Neurosci Lett** 1983 Dec 2;42(2):119-24

Long collateral branches of substantia nigra pars reticulata axons to thalamus, superior colliculus and reticular formation in monkey and cat. Multiple retrograde neuronal labeling with fluorescent dyes. Beckstead RM. **Neuroscience** 1983 Nov;10(3):767-79

Axonal physiology of chronic spinal cord injury in the cat: intracellular recording in vitro. Blight AR. **Neuroscience** 1983 Dec;10(4):1471-86

Synaptology and sources of vasoactive intestinal polypeptide and substance P containing axons of the cat celiac ganglion. An experimental electron microscopic immunohistochemical study. Léránth C, et al. **Neuroscience** 1983 Nov;10(3):947-58

Degenerative and regenerative changes in central projections of glossopharyngeal and vagal sensory neurons after peripheral axotomy in cats: a structural basis for central reorganization of arterial chemoreflex pathways. Majumdar S, et al. **Neuroscience** 1983 Nov;10(3):841-9

N-[acetyl-3H] wheat germ agglutinin: anatomical and biochemical studies of a sensitive bidirectionally transported axonal tracer. Steindler DA, et al. **Neuroscience** 1983 Sep;10(1):219-41

The fecundity of aggregates: the axonologists at Washington University, 1922-1942. Marshall LH. **Perspect Biol Med** 1983 Summer;26(4):613-36

Activation of postganglionic neurones via non-nicotinic synaptic mechanisms by stimulation of thin preganglionic axons. Jänig W, et al. **Pflugers Arch** 1984 Jul;401(3):318-20

Insulin and insulin-like growth factor II permit nerve growth factor binding and the neurite formation response in cultured human neuroblastoma cells. Recio-Pinto E, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(8):2562-6

The role of fiber ordering and axon collateralization in the formation of topographic projections. Martin KA, et al. **Prog Brain Res** 1983;58:321-37

Inhibition of protease activity can lead to neurite extension in neuroblastoma cells. Monard D, et al. **Prog Brain Res** 1983;58:359-64

Measurement of myelin sheath resistances: implications for axonal conduction and pathophysiology. Funch PG, et al. **Science** 1984 Aug 3;225(4661):538-40

Extensive dendritic sprouting induced by close axotomy of central neurons in the lamprey. Hall GF, et al. **Science** 1983 Nov 4;222(4623):518-21

Increased numbers of thoracic dorsal root axons in rats given antibodies to nerve growth factor. Hulsebosch CE, et al. **Science** 1984 Aug 3;225(4661):525-6

How a nerve fiber repairs its cut end: involvement of phospholipase A2. Yawo H, et al. **Science** 1983 Dec 23; 222(4630):1351-3

Directional specificity in the regeneration of lamprey spinal axons. Yin HS, et al. **Science** 1984 May 25;224(4651):894-6

Optic nerve axons and acquired alterations in the appearance of the optic disc. Wirtschafter JD. **Trans Am Ophthalmol Soc** 1983;81:1034-91 (170 ref.)

Ontogenesis of the myenteric plexus in the cat gastro-intestinal sphincters. II. Axonal differentiation. Lolova I. **Z Mikrosk Anat Forsch** 1983;97(3):463-79

[Relation between the axonal membrane microfluidity and excitability] Georgescauld D, et al. **C R Soc Biol (Paris)** 1983;177(4):522-8 (Eng. Abstr.) **(Fre)**

[Physiological functions of axolemmal undercoat and cytoskeleton in squid giant axons] Matsumoto G. **Tanpakushitsu Kakusan Koso** 1983 Apr;28(5):748-63 (58 ref.) **(Jpn)**

[Proton transport during nerve stimulation] Maksimov GV, et al. **Biofizika** 1984 Mar-Apr;29(2):302-5 (Eng. Abstr.) **(Rus)**

[Autoradiographic analysis of transcription in sympathetic neurocyte nuclei following axonal injury] Bgazhba-Eliava TM. **Biull Eksp Biol Med** 1983 Dec;96(12):86-9 (Eng.

Abstr.) (Rus)
[Neurotrophic mechanisms of aging] Frol'kis VV. **Fiziol Zh** 1984 Jan-Feb;30(1):73-80 (Eng. Abstr.) (Rus)
[Axonal growth characteristics of nerve cells of the chick embryo spinal cord in tissue culture] Museridze DP, et al. **Ontogenez** 1984 May-Jun;15(3):313-6 (Eng. Abstr.) (Rus)

TRANSPLANTATION

Long-term survival of peripheral axons that have reinnervated the spinal cord. Kingsley RE, et al. **Exp Neurol** 1984 May;84(2):341-57

ULTRASTRUCTURE

Formation of cytoplasm-containing vesicles from double-walled coated invaginations containing oligodendrocytic cytoplasm at the axon-myelin sheath interface in adult mammalian central nervous system. Novotny GE. **Acta Anat (Basel)** 1984;119(2):106-12
A quantitative study of microtubules in motor and sensory axons. Pannese E, et al. **Acta Anat (Basel)** 1984; 118(4):193-200
Changes with age in the number and size of myelinated axons in the rat L4 dorsal spinal root. Rao RS, et al. **Acta Anat (Basel)** 1983;117(3):187-92
Formation of new synaptic contacts by Purkinje axon collaterals in the granular layer of deafferented cerebellar cortex of adult rat. Hámori J, et al. **Acta Biol Hung** 1983; 34(2-3):163-76
Axonal dystrophy in a case of connatal thalamic and brain stem degeneration. Jennekens FG, et al. **Acta Neuropathol (Berl)** 1984;64(1):68-71
Changes in the compact myelin of single internodes during axonal atrophy. O'Neill JH, et al. **Acta Neuropathol (Berl)** 1984;63(4):313-8
Evidence for the persistence of axons at the apex of the cat's lower canine tooth after section of the inferior alveolar nerve. Holland GR, et al. **Anat Rec** 1984 Feb;208(2):175-83
A comparison of the density of microtubules in the central and peripheral axonal branches of the pseudounipolar neurons of lizard spinal ganglia. Pannese E, et al. **Anat Rec** 1984 Apr;208(4):595-605
A new form of sea-blue histiocytosis associated with progressive anterior horn cell and axonal degeneration. Ashwal S, et al. **Ann Neurol** 1984 Aug;16(2):184-92
Schwann cell remyelination of demyelinated axons in spinal cord multiple sclerosis lesions. Itoyama Y, et al. **Ann Neurol** 1983 Sep;14(3):339-46
Decreased axon caliber and neurofilaments in hereditary motor and sensory neuropathy, type I. Nukada H, et al. **Ann Neurol** 1984 Aug;16(2):238-41
Central distal axonopathy syndromes: newly recognized models of naturally occurring human degenerative disease. Thomas PK, et al. **Ann Neurol** 1984 Apr;15(4):313-5
Olivary projections from the pretectal region in the cat studied with horseradish peroxidase and tritiated amino acids axonal transport. Kawamura K, et al. **Arch Ital Biol** 1984 Jun;122(2):155-68
Quantitative axon terminal and end-plate morphology in amyotrophic lateral sclerosis. Bjornskov EK, et al. **Arch Neurol** 1984 May;41(5):527-30
The neurohypophysial axons in normal and dehydrated rats: an electron microscopic study including ZIO-staining method. Loesch A. **Aust J Exp Biol Med Sci** 1983 Jun;61 (Pt 3):321-38
The effect of cerebral ischemia on the ultrastructure of the hypothalamo-neurohypophysial system of the mongolian gerbil. The neurohypophysial axons and pituicytes. Loesch A. **Aust J Exp Biol Med Sci** 1983 Oct;61 (Pt 5):557-68
Preferential loss of unmyelinated L7 dorsal root axons following sciatic nerve resection in kittens. Aldskogius H, et al. **Brain Res** 1983 Dec 19;289(1-2):358-61
Chemical and structural analysis of the relation between cortical inputs and tyrosine hydroxylase-containing terminals in rat neostriatum. Bouyer JJ, et al. **Brain Res** 1984 Jun 8;302(2):267-75
The ultrastructural morphology of the subthalamic-nigral axon terminals intracellularly labeled with horseradish peroxidase. Chang HT, et al. **Brain Res** 1984 May 7; 299(1):182-5
Morphological evidence that regenerating axons can fuse with severed axon segments. Deriemer SA, et al. **Brain Res** 1983 Aug 1;272(1):157-61
Demonstration of axonal projections of neurons in the rat hippocampus and subiculum by intracellular injection of HRP. Finch DM, et al. **Brain Res** 1983 Jul 25;271(2):201-16
Axon initial segments of the granule cell in the rat dentate gyrus: synaptic contacts on bundles of axon initial segments. Kosaka T. **Brain Res** 1983 Sep 5;274(1):129-34
Localization of axonally transported label in chick retinal ganglion cell axons after intravitreal injections of wheat germ agglutinin conjugated to horseradish peroxidase. LaVail JH, et al. **Brain Res** 1984 Jun 18;304(1):59-69
Short-axon neurons with two axon-like processes in the visual cortex of the cat. A Golgi study. Meyer G. **Brain Res** 1982 Jan 28;232(2):455-9
Microglial movement to sites of nerve lesion in the leech CNS. Morgese VJ, et al. **Brain Res** 1983 Aug 1; 272(1):166-70
Pontocerebellar system linking the two hemispheres by intracerebellar branching. Rosina A, et al. **Brain Res** 1984 Apr 2;296(2):365-9
Unmyelinated axons in the pyramidal tract of the cat. Thomas A, et al. **Brain Res** 1984 May 28;301(1):162-5
The axosomatic contacts on the bursting neuron of the snail Helix pomatia. I. Ultrastructural features of the axosomatic contacts. Koval LM, et al. **Cell Mol Neurobiol** 1984 Mar; 4(1):31-41
The fibrillar network in the cytoplasm of squid giant axon extracted with saponin. Gotoh H, et al. **Cell Struct Funct** 1983 Mar;8(1):11-8
Ultrastructure of catecholamine-containing axons in the intestine of the domestic fowl. Young HM. **Cell Tissue Res** 1983;234(2):411-25
Axonal growth in response to experimentally applied mechanical tension. Bray D. **Dev Biol** 1984 Apr; 102(2):379-89
Mechanisms in the development of retinotectal projections in the chick embryo studied by surgical deflection of the retinal pathway. Fujisawa H, et al. **Dev Biol** 1984 Apr; 102(2):356-67
Axonal sub-populations in the central nervous system demonstrated using monoclonal antibodies against alpha-tubulin. Cumming R, et al. **Eur J Cell Biol** 1983 Sep; 31(2):241-8
Axo-axonic synapses in the rat striatum. Kornhuber J, et al. **Eur Neurol** 1983;22(6):433-6
A pattern of optic axons in the normal goldfish tectum consistent with the caudal migration of optic terminals during development. Cook JE, et al. **Exp Brain Res** 1983; 52(1):147-51
The use of retrograde transport of horseradish peroxidase for studying the dendritic trees and axonal courses of particular groups of tract cells in the spinal cord. Enevoldson TP, et al. **Exp Brain Res** 1984;54(3):529-37
Fine structure of the synaptic endings between sympathetic axons and skeletal muscle cells and of the varicosities in the bundles of neurites in tissue culture. Kobayashi T, et al. **Exp Neurol** 1984 Jul;85(1):187-201
Parent and daughter axon density in the limb stump and regenerating limb bud of the newt. Maier CE, et al. **Exp Neurol** 1984 Feb;83(2):443-7
The non-directional pattern of axonal changes in Wallerian degeneration: a computer-aided morphometric analysis. Malbouisson AM, et al. **J Anat** 1984 Aug;139 (Pt 1):159-74
The distribution of stellate cell descending axons in the rat cerebellum: a Golgi and a combined Golgi-electron microscopical study. Paula-Barbosa MM, et al. **J Anat** 1983 Dec;137 (Pt 4):757-64
Luminal material in microtubules of frog olfactory axons: structure and distribution. Burton PR. **J Cell Biol** 1984 Aug;99(2):520-8
Control of axonal caliber by neurofilament transport. Hoffman PN, et al. **J Cell Biol** 1984 Aug;99(2):705-14
Axonal transport of the cytoplasmic matrix. Lasek RJ, et al. **J Cell Biol** 1984 Jul;99(1 Pt 2):212s-221s (67 ref.)
Differences in the organization of actin in the growth cones compared with the neurites of cultured neurons from chick embryos. Letourneau PC. **J Cell Biol** 1983 Oct;97(4):963-73
Monomer-polymer equilibria in the axon: direct measurement of tubulin and actin as polymer and monomer in axoplasm. Morris JR, et al. **J Cell Biol** 1984 Jun;98(6):2064-76
Intracellular control of axial shape in non-uniform neurites: a serial electron microscopic analysis of organelles and microtubules in AI and AII retinal amacrine neurites. Sasaki-Sherrington SE, et al. **J Cell Biol** 1984 Apr; 98(4):1279-90
Immunocytochemical studies of quaking mice support a role for the myelin-associated glycoprotein in forming and maintaining the periaxonal space and periaxonal cytoplasmic collar of myelinating Schwann cells. Trapp BD, et al. **J Cell Biol** 1984 Aug;99(2):594-606
Adenosine inhibits cell division and promotes neurite extension in PC12 cells. Huffaker T, et al. **J Cell Physiol** 1984 Aug;120(2):188-96
Asymmetric distribution of gap junctions amongst identified photoreceptor axons of Lucilia cuprina (Diptera). Shaw SR. **J Cell Sci** 1984 Mar;66:65-80
Axoaxonal synapse location and consequences for presynaptic inhibition in crustacean motor axon terminals. Atwood HL, et al. **J Comp Neurol** 1984 May 1;225(1):64-74
Light and electron microscopic studies of the distribution of microtubule-associated protein 2 in rat brain: a difference between dendritic and axonal cytoskeletons. Bernhardt R, et al. **J Comp Neurol** 1984 Jun 20; 226(2):203-21
Axonal and dendritic development of substantia gelatinosa neurons in the lumbosacral spinal cord of the rat. Bicknell HR Jr, et al. **J Comp Neurol** 1984 Jul 10;226(4):508-22
The ratio of dorsal root ganglion cells to dorsal root axons in sacral segments of the cat. Chung K, et al. **J Comp Neurol** 1984 May 1;225(1):24-30
The course of axons of retinal ganglion cells within the optic nerve and tract of the chick (Gallus gallus). Ehrlich D, et al. **J Comp Neurol** 1984 Mar 10;223(4):583-91
Computer-assisted analyses of barrel neuron axons and their putative synaptic contacts. Harris RM, et al. **J Comp Neurol** 1983 Oct 10;220(1):63-79
Acetylcholinesterase-immunoreactive axonal network in monkey visual cortex. Hedreen JC, et al. **J Comp Neurol** 1984 Jun 20;226(2):246-54
Postnatal differentiation of rat optic nerve fibers: electron microscopic observations on the development of nodes of Ranvier and axoglial relations. Hildebrand C, et al. **J Comp Neurol** 1984 Mar 20;224(1):25-37
Axonal projections of mechanosensory neurons in the connectives and peripheral nerves of the leech, Haemopis marmorata. Johansen J, et al. **J Comp Neurol** 1984 Jun 20;226(2):255-62
Contralateral termination of primary afferent axons in the sacral and caudal segments of the cat, as studied by anterograde transport of horseradish peroxidase. Matsushita M, et al. **J Comp Neurol** 1983 Oct 20;220(2):206-18
Axonal patterns and topography of short-axon neurons in visual areas 17, 18, and 19 of the cat. Meyer G. **J Comp Neurol** 1983 Nov 10;220(4):405-38
Axons connecting somata and axon terminals of luminosity-type horizontal cells in the turtle retina: receptive field studies and intracellular injections of HRP. Ohtsuka T. **J Comp Neurol** 1983 Oct 20;220(2):191-8
Electron microscopic and immunohistochemical evidence that unmyelinated ventral root axons make u-turns or enter the spinal pia mater. Risling M, et al. **J Comp Neurol** 1984 May 1;225(1):53-63
Reconstructions of corticogeniculate axons in the cat. Robson JA. **J Comp Neurol** 1984 May 10;225(2):193-200
A study of axonal diameters and areas in lumbosacral roots and nerves in the rat. Suh YS, et al. **J Comp Neurol** 1984 Feb 1;222(4):473-81
Altered axons and axon terminals in the nucleus gracilis of the dog. Gavelová M, et al. **J Hirnforsch** 1983; 24(4):399-404
Potassium ferricyanide: a stabilizer for horseradish peroxidase. Albers FJ, et al. **J Histochem Cytochem** 1984 Sep;32(9):1005-8
Differential backfilling of interneuron populations based upon axon projections in a lobster abdominal ganglion. Jones KA, et al. **J Neurobiol** 1983 Nov;14(6):441-56
Quantitative evaluation of neurite outgrowth in cultures of human foetal brain and dorsal root ganglion cells using an enzyme-linked immunoadsorbent assay for human neurofilament protein. Doherty P, et al. **J Neurochem** 1984 Apr;42(4):1116-22
Identification of an axolemma-enriched fraction from peripheral nerve. Yoshino JE, et al. **J Neurochem** 1983 Oct; 41(4):1126-30
Occurrence of long non-myelinated axonal segments intercalated in myelinated, presumably sensory axons: electron microscopic observations in the dog atrial endocardium. Yokota R. **J Neurocytol** 1984 Feb; 13(1):127-43
Demyelination following diphtheria toxin in the presence of axonal atrophy. Baba M, et al. **J Neurol Sci** 1984 May; 64(2):199-211
Limited remyelination of CNS axons by Schwann cells transplanted into the sub-arachnoid space. Blakemore WF. **J Neurol Sci** 1984 Jun;64(3):265-76
Neurofibrillary axonal swellings and amyotrophic lateral sclerosis. Delisle MB, et al. **J Neurol Sci** 1984 Feb; 63(2):241-50
Relations between axon length and axon caliber. 'Is maximum conduction velocity the factor controlling the evolution of nerve structure'? Friede RL, et al. **J Neurol Sci** 1984 Mar;63(3):369-80
Neurofilamentous axonal swellings as a normal finding in the spinal anterior horn of man and other primates. Clark AW, et al. **J Neuropathol Exp Neurol** 1984 May; 43(3):253-62
Doxorubicin intoxication: neurofilamentous axonal changes with subacute neuronal death. Parhad IM, et al. **J Neuropathol Exp Neurol** 1984 Mar;43(2):188-200
Motoneuron axosomatic synapses are altered in axonopathy. Sterman AB, et al. **J Neuropathol Exp Neurol** 1984 Mar; 43(2):201-9
Morphology and synaptic relationships of physiologically identified low-threshold dorsal root axons stained with intra-axonal horseradish peroxidase in the cat and monkey. Ralston HJ 3d, et al. **J Neurophysiol** 1984 Apr;51(4):777-92
An electron microscopic study of the development of axons and dendrites by hippocampal neurons in culture. II. Synaptic relationships. Bartlett WP, et al. **J Neurosci** 1984 Aug;4(8):1954-65
An electron microscopic study of the development of axons and dendrites by hippocampal neurons in culture. I. Cells which develop without intercellular contacts. Bartlett WP, et al. **J Neurosci** 1984 Aug;4(8):1944-53
Postnatal maturation of cerebellar mossy and climbing fibers: transient expression of dual features on single axons. Mason CA, et al. **J Neurosci** 1984 Jul;4(7):1715-35
Paths of axons in the visual system of perciform fish and implications of these paths for rules governing axonal growth. Rusoff AC. **J Neurosci** 1984 Jun;4(6):1414-28
A silver and gold technique for axons and axon-bundles in formalin-fixed central and peripheral nervous tissue. Cruz MC, et al. **J Neurosci Methods** 1984 Jan;10(1):1-8
Flat, whole-mount nerve preparations: a useful tool for studying the process of regenerating axon outgrowth. Geinisman Y, et al. **J Neurosci Methods** 1983 Nov; 9(3):205-16
Simultaneous visualization of Nuclear yellow and iron-dextran complex for demonstration of branched neurons by retrograde axonal transport. Pollin B, et al. **J Neurosci Methods** 1983 Jul;8(3):205-9
Combined immunocytochemistry and autoradiographic retrograde axonal tracing for identification of transmitters

of projection neurons. Steindler DA, et al. **J Neurosci Methods** 1983 Nov;9(3):217–28
Oscillatory motion of intra–axonal organelles of Xenopus laevis following inhibition of their rapid transport. Kendal WS, et al. **J Physiol (Lond)** 1983 Dec;345:501–13
Ultrastructure of vesicourethral innervation. II. Postganglionic axoaxonal synapses in intrinsic innervation of the vesicourethral lissosphincter: a new structural and functional concept in micturition. Elbadawi A. **J Urol** 1984 Apr;131(4):781–90
Capillary blood vessels of the brain. II. Axon terminals of capillary vessels in different parts of the cat and rat cerebral cortex. Lukaszyk I, et al. **Neuropatol Pol** 1984;22(1):85–96
Identification of presumptive long axon neurons in the substantia gelatinosa of the rat lumbosacral spinal cord: a Golgi study. Beal JA. **Neurosci Lett** 1983 Oct 31; 41(1–2):9–14
An estimate of the ratio of propriospinal to long tract neurons in the sacral spinal cord of the rat. Chung K, et al. **Neurosci Lett** 1984 Feb 10;44(2):173–7
Use of a lectin–peroxidase conjugate (WGA–HRP) to assess the retinotopic precision of goldfish optic terminals. Cook JE, et al. **Neurosci Lett** 1984 Jul 13;48(1):61–6
Variation between different samples of SITS with respect to axonal transport and toxicity. Payne JN, et al. **Neurosci Lett** 1983 Dec 11;42(3):229–34
Electron microscopic identification of reticulo–subthalamic axon terminals in the cat. Romansky KV, et al. **Neurosci Lett** 1983 Dec 2;42(2):113–7
Axon number in oculomotor nerves in Xenopus: removal of one eye primordium affects both sides. Schönenberger N, et al. **Neurosci Lett** 1983 Nov 11;41(3):239–45
Cellular morphology of chronic spinal cord injury in the cat: analysis of myelinated axons by line–sampling. Blight AR. **Neuroscience** 1983 Oct;10(2):521–43
Axon collaterals of supraoptic neurones: anatomical and electrophysiological evidence for their existence in the lateral hypothalamus. Mason WT, et al. **Neuroscience** 1984 Jan;11(1):169–82
Isolation of postsynaptic densities retaining their membrane attachment. Ratner N, et al. **Neuroscience** 1983 Jul; 9(3):631–44
Axonal swellings in jimpy mice: does lack of myelin cause neuronal abnormalities? Rosenfeld J, et al. **Neuroscience** 1983 Nov;10(3):959–66
Fine structure of primary afferent axon terminals of slowly adapting cutaneous receptors in the cat. Bannatyne BA, et al. **Q J Exp Physiol** 1984 Jul;69(3):547–57
Conduction velocity and axonal diameter of alimentary C fibres. Cottrell DF. **Q J Exp Physiol** 1984 Apr;69(2):355–64
Fine structure of primary afferent axon terminals projecting from rapidly adapting mechanoreceptors of the toe and foot pads of the cat. Maxwell DJ, et al. **Q J Exp Physiol** 1984 Apr;69(2):381–92
Myelinating glia of earthworm giant axons: thermally induced intramembranous changes. Roots BI, et al. **Tissue Cell** 1983;15(5):695–709
[Elongation of mouse spinal cord axons in isogenic grafts of the sciatic nerve, skeletal muscle and submaxillary gland] Horvat JC. **Arch Anat Microsc Morphol Exp** 1983; 72(4):251–72 (Eng. Abstr.) **(Fre)**
[Emission of 2 axons by magnocellular neurons of the rat hypothalamus in culture] Dreifuss JJ, et al. **J Physiol (Paris)** 1982;78(6):509–13 (Eng. Abstr.) **(Fre)**
[1st juvenile case of complex neurolipidosis and neuroaxonal dystrophy involving the central nervous system] Bovet J. **Schweiz Arch Neurol Neurochir Psychiatr** 1984; 134(2):305–32 (Eng. Abstr.) **(Fre)**
[Morphological studies of axons and dendrites] Ishizuka N. **No To Shinkei** 1983 Dec;35(12):1163–75 (60 ref.) **(Jpn)**
[Ultrastructural observations of the dorsal lateral geniculate nucleus following non–surgical retinal lesion of the rats] Nagata T. **No To Shinkei** 1984 Apr;36(4):317–24 (Eng. Abstr.) **(Jpn)**
[Filaments and microtrabeculae in axons] Tsukita S. **Tanpakushitsu Kakusan Koso** 1983 Apr;28(5):636–44 (40 ref.) **(Jpn)**
[Giant–axon polyneuropathy (case report)] Badurska B, et al. **Neurol Neurochir Pol** 1983 May–Jun;17(3):367–71 (Eng. Abstr.) **(Pol)**
[Ultrastructure of the synapses of the initial axonal segment of the pyramidal neuron] Bragina TA. **Arkh Anat Gistol Embriol** 1983 Oct;85(10):17–24 (Eng. Abstr.) **(Rus)**
[Ultrastructural manifestations of the very early development of regenerating axons after nerve injury] Kapeller K, et al. **Bratisl Lek Listy** 1984 May;81(5):518–25 (Eng. Abstr.) **(Slo)**

AXOPLASMIC FLOW

Axonal transport dysfunction in dystrophia myotonica. Behrens MI, et al. **Acta Neuropathol (Berl)** 1983; 62(1–2):157–8
Axonal transport of receptors: coexistence with neurotransmitter and recycling. Laduron PM. **Biochem Pharmacol** 1984 Mar 15;33(6):897–903
Orthograde and retrograde axonal transport of calmodulin in a cat noradrenergic neurone. Ceña V, et al. **Br J Pharmacol** 1984 May;82(1):143–9
Increase in axonal transport in demyelinating optic nerve fibres in the mouse infected with Semliki Forest virus. Pessoa VF, et al. **Brain** 1984 Jun;107 (Pt 2):433–46
Influence of temperature on slow flow in populations of regenerating axons with different elongation velocities. Cancalon P. **Brain Res** 1983 Sep;285(3):279–89
Axonal transport of adenylate cyclase activity in normal and axotomized frog sciatic nerve. Carlsen RC. **Brain Res** 1982 Jan 28;232(2):413–24
Axons which take up [3H]serotonin are presynaptic to enkephalin immunoreactive neurons in cat dorsal horn. Glazer EJ, et al. **Brain Res** 1984 Apr 30;298(2):386–91
Neuron–specific enolase: investigation on its possible retrograde axonal transport. Howland RD. **Brain Res** 1984 Jan 16;291(1):179–81
Axonal transport of opiate receptors in capsaicin–sensitive neurones. Laduron PM. **Brain Res** 1984 Feb 27; 294(1):157–60
Localization of axonally transported label in chick retinal ganglion cell axons after intravitreal injections of wheat germ agglutinin conjugated to horseradish peroxidase. LaVail JH, et al. **Brain Res** 1984 Jun 18;304(1):59–69
Alpha–bungarotoxin binding sites on sensory neurones and their axonal transport in sensory afferents. Ninkovic M, et al. **Brain Res** 1983 Aug 1;272(1):57–69
Glycoproteins of axonal transport. Interaction with heparin. Ohlson C, et al. **Brain Res** 1983 Sep 12;274(2):303–8
Distribution of proteins migrating with fast axonal transport. Their relationship to smooth endoplasmic reticulum. Papasozomenos SC, et al. **Brain Res** 1983 Nov 14; 278(1–2):232–5
Involvement of coated vesicles in the initiation of fast axonal transport. Stone GC, et al. **Brain Res** 1984 Jan 23; 291(2):219–28
Axonal transport of [35S]methionine labeled proteins in Xenopus optic nerve: phases of transport and the effects of nerve crush on protein patterns. Szaro BG, et al. **Brain Res** 1984 Apr 16;297(2):337–55
Orthograde axonal and transcellular transport of different fluorescent tracers in the primary visual system of the rat. Weidner C, et al. **Brain Res** 1983 Aug 1;272(1):129–36
Retrograde axonal transport of antibodies to synaptic membrane components. Wenthold RJ, et al. **Brain Res** 1984 Jun 18;304(1):162–5
Modulations of neurofilament axonal transport during the development of rabbit retinal ganglion cells. Willard M, et al. **Cell** 1983 Dec;35(2 Pt 1):551–9
Nucleotide specificity for reactivation of organelle movements in permeabilized axons. Forman DS, et al. **Cell Motil** 1984;4(2):121–8
Physical methods for the study of the dynamics of axonal transport. Snyder RE, et al. **Crit Rev Biomed Eng** 1984; 10(2):89–123 (184 ref.)
Prevention and reversal of defective axonal transport and motor nerve conduction velocity in rats with experimental diabetes by treatment with the aldose reductase inhibitor Sorbinil. Tomlinson DR, et al. **Diabetes** 1984 May; 33(5):470–6
Axoplasmic incorporation of amino acids in a myelinated fiber exceeds that of its soma: a radioautographic study. Alvarez J, et al. **Exp Neurol** 1983 Oct;82(1):25–42
Changes in fast axonal transport during experimental nerve compression at low pressures. Dahlin LB, et al. **Exp Neurol** 1984 Apr;84(1):29–36
Velocity of axonal transport of phospholipid in rat sciatic nerve. Guy JR, et al. **Exp Neurol** 1983 Dec;82(3):706–10
Axonal transport of acetylcholinesterase in the diabetic mutant mouse. Vitadello M, et al. **Exp Neurol** 1983 Oct; 82(1):143–7
Axonal transport of muscarinic receptors in vesicles containing noradrenaline and dopamine–beta–hydroxylase. Laduron PM. **FEBS Lett** 1984 Jan 2;165(1):128–32
A biphasic compartmentation of neuro–transmission associated metabolic patterns during electro–induced axoplasmic transport in sheep medulla oblongata. Narasimham PV, et al. **Indian J Physiol Pharmacol** 1983 Jul–Sep;27(3):221–6
Inhibition of retrograde axoplasmic transport in rat optic nerve by increased IOP in vitro. Johansson JO. **Invest Ophthalmol Vis Sci** 1983 Dec;24(12):1552–8
Defects of axonal transport in diabetes mellitus—a possible contribution to the aetiology of diabetic neuropathy. Tomlinson DR, et al. **J Auton Pharmacol** 1984 Mar; 4(1):59–72 (102 ref.)
Bidirectional transport of fluorescently labeled vesicles introduced into extruded axoplasm of squid Loligo pealei. Gilbert SP, et al. **J Cell Biol** 1984 Aug;99(2):445–52
Membrane biogenesis in the sprouting neuron. I. Selective transfer of newly synthesized phospholipid into the growing neurite. Pfenninger KH, et al. **J Cell Biol** 1983 Oct;97(4):1038–42
Central nervous system regeneration. Can scientists implement functional regrowth? Clark RG. **J Clin Neuro Ophthalmol** 1982 Dec;2(4):261–70
A new methodological approach for studying axonal transport: cytofluorometric scanning of nerves. Larsson PA, et al. **J Histochem Cytochem** 1984 Jan;32(1):7–16
Fast axonal transport in central nervous system and peripheral nervous system axons following axotomy. Redshaw JD, et al. **J Neurobiol** 1984 Mar;15(2):109–17
Axonal transport of [3H] GABA and [3H] glutamate in excitatory and inhibitory neurons innervating lobster exoskeletal musculature. Woodward WR. **J Neurobiol** 1984 Jan;15(1):49–65
Routing of transmitter and other changes in fast axonal transport after transection of one branch of the bifurcate axon of an identified neuron. Aletta JM, et al. **J Neurosci** 1984 Jul;4(7):1800–8
Biosynthesis and axoplasmic transport of neurophysins in the hypothalamo–neurohypophysial system of Rana pipiens. Chang AC, et al. **J Neurosci** 1984 Jul;4(7):1840–9
Analysis of the apparent biphasic axonal transport kinetics of fucosylated glycoproteins. Goodrum JF, et al. **J Neurosci** 1984 Jul;4(7):1830–9
In vivo biosynthesis of [35S]– and [3H]substance P in the striatum of the rat and their axonal transport to the substantia nigra. Krause JE, et al. **J Neurosci** 1984 Mar; 4(3):775–85
Concentration dependence of rapid axonal transport: a study of the transport kinetics of [35S]methionine–labeled protein in postganglionic sympathetic fibers of the bullfrog. Litchy WJ, et al. **J Neurosci** 1983 Oct;3(10):2075–82
Demonstration of retrogradely transported endogenous nerve growth factor in axons of sympathetic neurons. Palmatier MA, et al. **J Neurosci** 1984 Mar;4(3):751–6
An algebraic approach to the detection of multiple markers in complex neuronal systems. Alheid GF, et al. **J Neurosci Methods** 1984 Jan;10(1):71–7
Simultaneous visualization of Nuclear yellow and iron–dextran complex for demonstration of branched neurons by retrograde axonal transport. Pollin B, et al. **J Neurosci Methods** 1983 Jul;8(3):205–9
Experimental sensory ganglionectomy by way of suicide axoplasmic transport. Yamamoto T, et al. **J Neurosurg** 1984 Jan;60(1):108–14
Simulation of axoplasmic transport. Takenaka T, et al. **J Theor Biol** 1984 Apr 21;107(4):579–601
Impaired orthograde axonal transport in acute hypoglycaemia, an effect mediated via hypothermia. Tomlinson DR, et al. **Med Biol** 1984;62(1):34–7
A paradigm for axonal transport. Comper WD, et al. **Neurochem Res** 1983 Jul;8(7):943–55
Retrograde transport of injured neurons [letter] Barron KD. **Neurology (NY)** 1984 Mar;34(3):401–3
Acetylcholinesterase activity and its fast axonal transport in rabbit sciatic nerves during the recovery phase of experimental allergic neuritis. Oikarinen R, et al. **Neuropathol Appl Neurobiol** 1984 May–Jun;10(3):163–71
Quantitative demonstration of the retrograde axonal transport of endogenous nerve growth factor. Korsching S, et al. **Neurosci Lett** 1983 Aug 19;39(1):1–4
Variation between different samples of SITS with respect to axonal transport and toxicity. Payne JN, et al. **Neurosci Lett** 1983 Dec 11;42(3):229–34
Axonal transport of cholinergic transmitter enzymes in vagus and sciatic nerves of rats with acute experimental diabetes mellitus; correlation with motor nerve conduction velocity and effects of insulin. Mayer JH, et al. **Neuroscience** 1983 Aug;9(4):951–7
Intra–axonal transport in the mammalian motor neuron and the influence of supraspinal nerve activity. Dahlöf AG, et al. **Scand J Rehabil Med [Suppl]** 1983;9:27–39 (35 ref.)
[Axoplasmic transport: its mechanism revealed by direct observation and cell model study] Gotoh H, et al. **Nippon Seirigaku Zasshi** 1984;46(3):87–98 (40 ref.) **(Jpn)**
[Axoplasmic transport] Kurokawa M. **Tanpakushitsu Kakusan Koso** 1983 Apr;28(5):450–68 (160 ref.) **(Jpn)**
[Rate of axoplasmic transport in the ventral roots of the spinal cord of the rat in old age and its relation to the level of energy metabolism] Frol'kis VV, et al. **Neirofiziologiia** 1984;16(2):189–94 (Eng. Abstr.) **(Rus)**
[Non–quantum release of acetylcholine from motor nerve endings and denervation changes in muscle fiber membranes in the rat following blockade of axonal transport] Volkov EM, et al. **Neirofiziologiia** 1984; 16(2):231–8 (Eng. Abstr.) **(Rus)**
[Results of postinfection antirabies therapy—confirmation of the existence of intra–axonal circulation in peripheral nerves] Ercegovac D. **Srp Arh Celok Lek** 1983 Feb; 111(2):147–57 (Eng. Abstr.) **(Scc)**
[Intra–axonal circulation in peripheral nerves and its importance] Ercegovac D. **Srp Arh Celok Lek** 1983 Jan; 111(1):11–9 (Eng. Abstr.) **(Scc)**

DRUG EFFECTS

Intraocular injection of tetrodotoxin in goldfish decreases fast axonal transport of [3H]glucosamine–labeled materials in optic axons. Edwards DL, et al. **Brain Res** 1984 May 7;299(1):190–4
Selective inhibition of retrograde axonal transport by erythro–9–[3–(2–hydroxynonyl)]adenine. Forman DS, et al. **Brain Res** 1983 Aug 1;272(1):194–7
Consequences of axonal transport blockade by batrachotoxin on mammalian neuromuscular junction. III. An ultrastructural study. Hudson CS, et al. **Brain Res** 1984 Apr 2;296(2):319–32
Long lasting inhibition of horseradish peroxidase (HRP) transport in sensory nerves induced by capsaicin pretreatment of the receptive field. Taylor DC, et al. **Brain Res** 1984 Apr 23;298(1):45–9
Inhibition of fast axonal transport in vitro by the local anesthetics prilocaine, mepivacaine, and bupivacaine. Lavoie PA. **Can J Physiol Pharmacol** 1983 Dec; 61(12):1478–82
Retrograde axoplasmic transport of neurosecretory material.

An immunocytochemical and electron-microscopic study of transected axons in normal and colchicine-treated rats. Alonso G, et al. **Cell Tissue Res** 1983;233(1):183-96

Prevention of defects of axonal transport and nerve conduction velocity by oral administration of myo-inositol or an aldose reductase inhibitor in streptozotocin-diabetic rats. Mayer JH, et al. **Diabetologia** 1983 Nov;25(5):433-8

Particle movement in squid axons permeabilized with saponin. Gotoh H, et al. **J Neurobiol** 1984 May;15(3):239-45

Axonal transport blockade and denervation have qualitatively different effects upon skeletal muscle metabolism. Ramírez BU. **J Neurobiol** 1984 Mar; 15(2):119-26

Aluminum effect on slow axonal transport: a novel impairment of neurofilament transport. Bizzi A, et al. **J Neurosci** 1984 Mar;4(3):722-31

3,4-Dimethyl-2,5-hexanedione impairs the axonal transport of neurofilament proteins. Griffin JW, et al. **J Neurosci** 1984 Jun;4(6):1516-26

Oscillatory motion of intra-axonal organelles of Xenopus laevis following inhibition of their rapid transport. Kendal WS, et al. **J Physiol (Lond)** 1983 Dec;345:501-13

Gelsolin inhibition of fast axonal transport indicates a requirement for actin microfilaments. Brady ST, et al. **Nature** 1984 Jul 5-11;310(5972):56-8

Influence of antiglaucoma drugs on axonal transport in the optic nerve. Krejčí L, et al. **Ophthalmic Res** 1983; 15(6):334-6

[Formation of postural asymmetry in rat hindlimbs during colchicine-induced unilateral blockade of axonal transport in cortico-lumbar projections] Varlinskaia EI, et al. **Biull Eksp Biol Med** 1984 Mar;97(3):259-61 (Eng. Abstr.) **(Rus)**

AY 9944 see under **CYCLOHEXANES**

AYERZA'S SYNDROME see **HYPERTENSION, PULMONARY**

AYURVEDIC MEDICINE see **MEDICINE, AYURVEDIC**

AZA COMPOUNDS

Pulse radiolysis studies of some aza analogues of nucleic acid components. Rosenthal I, et al. **Int J Radiat Biol** 1983 Nov; 44(5):463-8

ANALYSIS

Mobilization of azaarenes from wastewater treatment plant biosludge. Southworth GR, et al. **Bull Environ Contam Toxicol** 1984 Apr;32(4):445-52

CHEMICAL SYNTHESIS

Azapeptides: a new class of angiotensin-converting enzyme inhibitors. Greenlee WJ, et al. **Biochem Biophys Res Commun** 1984 Jul 31;122(2):791-7

METABOLISM

Investigation of the kinetic and stereochemical recognition of arene and azaarene oxides by isozymes A2 and C2 of glutathione S-transferase. Boehlert CC, et al. **Biochem Biophys Res Commun** 1984 Jun 29;121(3):980-6

Distribution and elimination of inhaled phenanthridone in Fischer-344 rats. Dutcher JS, et al. **J Toxicol Environ Health** 1983 Oct-Dec;12(4-6):709-19

PHARMACODYNAMICS

Reaction of azapeptides with chymotrypsin-like enzymes. New inhibitors and active site titrants for chymotrypsin A alpha, subtilisin BPN', subtilisin Carlsberg, and human leukocyte cathepsin G. Gupton BF, et al. **J Biol Chem** 1984 Apr 10;259(7):4279-87

Reaction of azapeptides with human leukocyte elastase and porcine pancreatic elastase. New inhibitors and active site titrants. Powers JC, et al. **J Biol Chem** 1984 Apr 10; 259(7):4288-94

TOXICITY

Covalent hydration: a possible mechanism for aza-arene carcinogenesis. Tullis DL, et al. **Cancer Lett** 1984 Jul; 23(3):241-4

AZACOSTEROL see under **CHOLESTEROL**

AZACYTIDINE

Stability of azacitidine in infusion fluids. Cheung YW, et al. **Am J Hosp Pharm** 1984 Jun;41(6):1156-9

ADMINISTRATION & DOSAGE

Speciation in the baboon and its relation to gamma-chain heterogeneity and to the response to induction of HbF by 5-azacytidine. DeSimone J, et al. **Blood** 1984 May; 63(5):1088-95

Perturbations in the erythroid marrow progenitor cell pools may play a role in the augmentation of HbF by 5-azacytidine. Torrealba-de Ron AT, et al. **Blood** 1984 Jan;63(1):201-10

ANALOGS & DERIVATIVES

Pharmacokinetics of 5,6-dihydro-5-azacytidine (NSC-264880) in the foxhound. Malspeis L, et al. **Invest New Drugs** 1983;1(1):47-58

5-aza-2'-deoxycytidine therapy in patients with acute leukemia inhibits DNA methylation. Momparler RL, et al. **Leuk Res** 1984;8(2):181-5

Kinetic interaction of 5-AZA-2'-deoxycytidine-5'-monophosphate and its 5'-triphosphate with deoxycytidylate deaminase. Momparler RL, et al. **Mol Pharmacol** 1984 May; 25(3):436-40

Chemical synthesis of 5-azacytidine nucleotides and preparation of tRNAs containing 5-azacytidine in its 3'-terminus. Zielinski WS, et al. **Nucleic Acids Res** 1984 Jun 25;12(12):5025-36

GENETICS

5-Azacytidine, DNA methylation, and differentiation. Taylor SM, et al. **Curr Top Microbiol Immunol** 1984;108:115-27 (79 ref.)

METABOLISM

Effects of 5-azacytosine in DNA on enzymic uracil excision. Chao TL, et al. **Mutat Res** 1984 Jun-Jul;140(2-3):93-8

PHARMACODYNAMICS

Fragile X expression is decreased by 5-azacytidine and S-adenosylhomocysteine. Mixon JC, et al. **Am J Hum Genet** 1983 Nov;35(6):1270-5

Reversal of DNA methylation with 5-azacytidine alters chromosome replication patterns in human lymphocyte and fibroblast cultures. Shafer DA, et al. **Am J Hum Genet** 1984 May;36(3):534-45

Fragile X expression suppressed in either FUdR or methotrexate treated fibroblasts by pretreatment with 5-azacytidine [letter] Daniel A, et al. **Am J Med Genet** 1984 Jan;17(1):255-7

5-azacytidine decreases the frequency of fragile X expression in peripheral lymphocyte culture. Dev VG, et al. **Am J Med Genet** 1984 Jan;17(1):253-4

Effect of 5-azacytidine on rat liver alpha-fetoprotein gene expression. Cook JR, et al. **Biochem Biophys Res Commun** 1983 Nov 15;116(3):939-44

Effect of 5-azacytidine on deoxyribonucleic acid methylation in Escherichia coli K12. Friedman S, et al. **Biochem Pharmacol** 1984 Aug 15;33(16):2675-9

Differential expression of HLA-DR and HLA-DC/DS molecules in a patient with hairy cell leukemia: restoration of HLA-DC/DS expression by (12-0-tetradecanoyl phorbol-13-acetate), 5 azacytidine, and sodium butyrate. Faille A, et al. **Blood** 1984 Jul;64(1):33-7

Lineage infidelity following exposure of T lymphoblasts (MOLT-3 cells) to 5-azacytidine. Smith LJ, et al. **Blood** 1984 Jun;63(6):1324-30

On the mechanism of inhibition of DNA-cytosine methyltransferases by cytosine analogs. Santi DV, et al. **Cell** 1983 May;33(1):9-10

Epsilon-globin gene is undermethylated in K-562 cells: increased expression after treatment of the cells with 5-azacytidine. Gambari R, et al. **Cell Biol Int Rep** 1984 May;8(5):352

Human leukemia K-562 cells: induction of erythroid differentiation by 5-azacytidine. Gambari R, et al. **Cell Differ** 1984 Jun;14(2):87-97

A direct demonstration of somatically paired heterochromatin of human chromosomes. Schmid M, et al. **Cytogenet Cell Genet** 1983;36(3):554-61

5-Azacytidine induced myogenesis in a differentiation defective cell line. Walker C, et al. **Differentiation** 1984; 25(3):259-63

5-Azacytidine is able to induce the conversion of teratocarcinoma-derived mesenchymal cells into epithelia cells. Darmon M, et al. **EMBO J** 1984 May;3(5):961-7

5-azacytidine induction of thymidine kinase in a spontaneously enzyme-deficient murine tumor line. Liteplo RG, et al. **Exp Cell Res** 1984 Feb;150(2):499-504

5-Azacytidine increases the synthesis of embryonic hemoglobin (E2) in murine erythroleukemic cells. Zucker RM, et al. **FEBS Lett** 1983 Oct 17;162(2):436-41

5-Azacytidine-induced undercondensations in human chromosomes. Schmid M, et al. **Hum Genet** 1984; 67(3):257-63

The effects of 5-azacytidine on the expression of the rat growth hormone gene. Methylation modulates but does not control growth hormone gene activity. Lan NC. **J Biol Chem** 1984 Sep 25;259(18):11601-6

Possible epigenetic mechanisms of tumor progression: induction of high-frequency heritable but phenotypically unstable changes in the tumorigenic and metastatic properties of tumor cell populations by 5-azacytidine treatment. Kerbel RS, et al. **J Cell Physiol [Suppl]** 1984; 3:87-97 (45 ref.)

Selection of strongly immunogenic 'tum-' variants from tumors at high frequency using 5-azacytidine. Frost P, et al. **J Exp Med** 1984 May 1;159(5):1491-501

The use of 5-azacytidine to establish constitutive interleukin 2-producing clones of the EL4 thymoma. Ballas ZK. **J Immunol** 1984 Jul;133(1):7-9

Spontaneous and 5-azacytidine-induced reexpression of ornithine carbamoyl transferase in hepatoma cells. Delers A, et al. **Mol Cell Biol** 1984 Apr;4(4):809-12

Effects of 5-azacytidine on methylation and expression of specific DNA sequences in C3H 10T1/2 cells. Hsiao WL, et al. **Mol Cell Biol** 1984 Apr;4(4):634-41

Properties of asparagine synthetase in asparagine-independent variants of Jensen rat sarcoma cells induced by 5-azacytidine. Sugiyama RH, et al. **Mol Cell Biol** 1983 Nov;3(11):1937-42

High-frequency conversion to a 'fluffy' developmental phenotype in Aspergillus spp. by 5-azacytidine treatment: evidence for involvement of a single nuclear gene. Tamame M, et al. **Mol Cell Biol** 1983 Dec;3(12):2287-97

Activation of a chicken embryonic globin gene in adult erythroid cells by 5-azacytidine and sodium butyrate. Ginder GD, et al. **Proc Natl Acad Sci USA** 1984 Jul; 81(13):3954-8

Growth hormone promotes the differentiation of myoblasts and preadipocytes generated by azacytidine treatment of 10T1/2 cells. Nixon BT, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(11):3429-32

Induction of the metastatic phenotype in a mouse tumor model by 5-azacytidine, and characterization of an antigen associated with metastatic activity. Olsson L, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(11):3389-93

Fetal hemoglobin production in adult baboons by 5-azacytidine or by phenylhydrazine-induced hemolysis is associated with hypomethylation of globin gene DNA. DeSimone J, et al. **Prog Clin Biol Res** 1983;134:489-500

5-Azacytidine increases fetal hemoglobin production in a patient with sickle cell disease. Dover GJ, et al. **Prog Clin Biol Res** 1983;134:475-88

In vivo demethylation of chicken embryonic beta-type globin genes with 5-azacytidine. Ginder GD, et al. **Prog Clin Biol Res** 1983;134:501-10

DNA methylation and globin gene expression in patients treated with 5-azacytidine. Ley TJ, et al. **Prog Clin Biol Res** 1983;134:457-74

Globin gene studies create a puzzle. Kolata G. **Science** 1984 Feb 3;223(4635):470-1

THERAPEUTIC USE

[Pharmacological correction of genetic defects - azacytidine in the treatment of thalassemia] Kuratowska Z. **Pol Tyg Lek** 1983 Jun 13;38(24):713-5 **(Pol)**

[Clinical pharmacology of 5-azacytidine] Robak T. **Pol Tyg Lek** 1984 Feb 13;39(7):215-8 **(Pol)**

TOXICITY

Embryotoxicity of 5-azacytidine in mice. Phase- and dose-specificity studies. Schmahl W, et al. **Arch Toxicol** 1984 Jul;55(2):143-7

Differential structural effects of three behavioral teratogens. Rodier PM. **Dev Toxicol Environ Sci** 1983;11:53-60

Re-expression of differentiated properties in SV40-infected human epidermal keratinocytes induced by 5-azacytidine. Okada N, et al. **Exp Cell Res** 1984 Jul;153(1):198-207

Biological evaluation of stability of 5-azacytidine. Li LH, et al. **J Antibiot (Tokyo)** 1984 Apr;37(4):419-21

Mutations resistant to bromodeoxyuridine in mouse lymphoma cells selected by repeated exposure to EMS. Characteristics of phenotypic instability and reversion to HAT resistance by 5-azacytidine. Nakamura N, et al. **Mutat Res** 1983 Nov;111(3):353-64

Genetic effects of 5-azacytidine in Saccharomyces cerevisiae. Zimmermann FK, et al. **Mutat Res** 1984 Jan;139(1):21-4

Azacytidine-induced tumorigenesis of CHEF/18 cells: correlated DNA methylation and chromosome changes. Harrison JJ, et al. **Proc Natl Acad Sci USA** 1983 Nov; 80(21):6606-10

Genetic analysis of tumorigenesis: XVI. Chromosome changes in azacytidine- and insulin-induced tumorigenesis. Gadi IK, et al. **Somatic Cell Mol Genet** 1984 Sep; 10(5):521-9

AZAGUANINE

PHARMACODYNAMICS

Purine and pyrimidine analogues irreversibly prevent passage of lymphocytes from the G1 to the S phase of the cell cycle. Boumah CE, et al. **Can J Biochem Cell Biol** 1984 May;62(5):280-7

Modulation of enzyme activity in azaguanine-resistant V79 cells selected by chronic drug exposure. Fox M, et al. **Exp Cell Res** 1984 Aug;153(2):413-24

[Alimentary and defensive reactions in rabbit in response to intraventricular administration of 8-azaguanine and pentagastrin] Sudakov SK. **Zh Vyssh Nerv Deiat** 1984 May-Jun;34(3):563-5 **(Rus)**

TOXICITY

DNA strand breaks in murine lymphocytes: induction by purine and pyrimidine analogues. Greer WL, et al. **Biochem Biophys Res Commun** 1983 Sep 30;115(3):834-40

AZAMETHONIUM COMPOUNDS

ADMINISTRATION & DOSAGE

[Use of ganglionic blockade without hypotension in surgery

on patients with hypertension] Dedenko IK, et al. **Klin Med (Mosk)** 1983 Nov;61(11):58–61 **(Rus)**

AZAPERONE see under **BUTYROPHENONES**

AZAPHEN see under **OXAZINES**

AZARIBINE see under **AZAURIDINE**

AZASERINE

PHARMACODYNAMICS

Purine de novo synthesis in liver and developing rat brain, and the effect of some inhibitors of purine nucleotide interconversion. Allsop J, et al. **Enzyme** 1983;30(3):172–80

Modulation of azaserine-induced pancreatic foci by phenolic antioxidants in rats. Roebuck BD, et al. **JNCI** 1984 Jun; 72(6):1405–10

TOXICITY

Effect of pyridoxal deficiency on pancreatic DNA damage and nodule induction by azaserine. Zurlo J, et al. **Carcinogenesis** 1984 May;5(5):555–8

Enhancing activity of rat tissue extracts for induction of lambda prophage by L-azaserine. Suit JL, et al. **Environ Mutagen** 1984;6(4):559–72

Exclusion of cellular iron and reduced gamma-glutamyl transpeptidase activity in rat pancreas acinar cell hyperplastic nodules and adenomas induced by azaserine. Mori H, et al. **Gann** 1983 Aug;74(4):497–501

Inhibition by retinoids of the growth of azaserine-induced foci in the rat pancreas. Roebuck BD, et al. **JNCI** 1984 Jul;73(1):233–6

Characterization of two populations of pancreatic atypical acinar cell foci induced by azaserine in the rat. Roebuck BD, et al. **Lab Invest** 1984 Feb;50(2):141–6

AZASTEROIDS see under **STEROIDS, HETEROCYCLIC**

AZATHIOPRINE

Nephrogenic adenoma of the bladder after kidney transplantation: spontaneous improvement with azathioprine removal; surgical trauma and cytomegalovirus infection as possible etiologic factors. Beaudry C, et al. **J Urol** 1983 Dec;130(6):1183–5

ADMINISTRATION & DOSAGE

Comparison of kidney transplant survival between patients treated with cyclosporine and those treated with azathioprine and antithymocyte globulin. Cho SI, et al. **Am J Surg** 1984 Apr;147(4):518–23

Treatment of pemphigus vulgaris. Results obtained in 84 patients between 1961 and 1982. Lever WF, et al. **Arch Dermatol** 1984 Jan;120(1):44–7

Actinic reticuloid. Response to combination treatment with azathioprine, hydroxychloroquine, and prednisone. Haynes HA, et al. **J Am Acad Dermatol** 1984 Jun;10(6):947–52

Azathioprine for use in dermatology. Gendler E. **J Dermatol Surg Oncol** 1984 Jun;10(6):462–4

Improved results of cadaver renal transplantation with azathioprine, prednisone and antilymphoblast globulin. Novick AC, et al. **J Urol** 1984 Apr;131(4):636–40

Comparative analysis of the DST and Imuran-plus-DST protocols for live donor renal transplantation. Glass NR, et al. **Transplantation** 1983 Dec;36(6):636–41

[Immunological studies on renal transplantation. I. Clinical and experimental studies on immunosuppression by combined use of azathioprine and mizoribine] Matsuura T, et al. **Nippon Hinyokika Gakkai Zasshi** 1984 Feb; 75(2):255–62 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Azathioprine-associated interstitial pneumonitis. Bedrossian CW, et al. **Am J Clin Pathol** 1984 Aug;82(2):148–54

Two chromosome aberrations in the child of a woman with systemic lupus erythematosus treated with azathioprine and prednisone. Ostrer H, et al. **Am J Med Genet** 1984 Mar; 17(3):627–32

Renal biopsy morphology in renal transplantation. A comparative study of the light-microscopic appearances of biopsies from patients treated with cyclosporin A or azathioprine prednisone and antilymphocyte globulin. Farnsworth A, et al. **Am J Surg Pathol** 1984 Apr; 8(4):243–52

Lupus erythematosus and panhypogammaglobulinemia [letter] Epstein RJ, et al. **Ann Intern Med** 1984 Jan; 100(1):162–3

Azathioprine and urinary bladder tumor [letter] Or R, et al. **Ann Intern Med** 1983 Nov;99(5):737

Severe megaloblastic anaemia associated with abnormal azathioprine metabolism. Lennard L, et al. **Br J Clin Pharmacol** 1984 Feb;17(2):171–2

Multiple sclerosis, hyperbaric oxygen and cancer [letter] McDonald WI, et al. **Br Med J [Clin Res]** 1984 Jun 23; 288(6434):1914

Azathioprine-associated acute pancreatitis in the course of chronic active hepatitis. Guillaume P, et al. **Dig Dis Sci** 1984 Jan;29(1):78–9

Azathioprine and the liver. Evidence favoring idiosyncratic, mixed cholestatic-hepatocellular injury in humans. DePinho RA, et al. **Gastroenterology** 1984 Jan;86(1):162–5

Primary liver cell cancer occurring in association with Crohn's disease treated with prednisolone and azathioprine. Lee FL, et al. **Hepatogastroenterology** 1983 Oct;30(5):188

Genitourinary malacoplakia in renal transplant recipients: pathogenic, prognostic and therapeutic considerations. Streem SB. **J Urol** 1984 Jul;132(1):10–2

Hypersensitivity to azathioprine in myasthenia gravis. Watts GF, et al. **Postgrad Med J** 1984 May;60(703):362–3

Disappearance of hepatitis B surface antigen in chronic type B hepatitis after clinical and laboratorial relapse produced by abrupt withdrawal of immunosuppressive drugs. da Silva LC, et al. **Rev Inst Med Trop Sao Paulo** 1983 Nov-Dec;25(6):270–4

Life-threatening hypotension associated with azathioprine therapy. A case report. Zaltzman M, et al. **S Afr Med J** 1984 Feb 25;65(8):306

Systemic lupus erythematosus and lymphoma. A family study. Berliner S, et al. **Scand J Rheumatol** 1983;12(3):310–4

Interstitial pneumonitis secondary to azathioprine in a renal transplant patient. Carmichael DJ, et al. **Thorax** 1983 Dec; 38(12):951–2

[Acneiform exanthema caused by azathioprine] Schmoeckel C, et al. **Hautarzt** 1983 Aug;34(8):413–5 (Eng. Abstr.) **(Ger)**

[Kaposi sarcoma after kidney transplantation: regression after discontinuation of azathioprine] Zimlichman R, et al. **Harefuah** 1983 Sep;105(5–6):118–9 (Eng. Abstr.) **(Heb)**

[Progressive multifocal leukoencephalopathy as a complication of immunosuppressive and cytostatic treatment] Prusiński A, et al. **Wiad Lek** 1984 Jan 1; 37(1):73–7 (Eng. Abstr.) **(Pol)**

IMMUNOLOGY

[Changes in the cellular-humoral immune reactivity of patients with lupus nephritis and chronic glomerulonephritis treated with corticosteroids or corticosteroids and imuran] Stefanova G, et al. **Vutr Boles** 1983;22(5):65–71 (Eng. Abstr.) **(Bul)**

METABOLISM

Determination of 6-thiouric acid in human urine. Jackson PJ. **Clin Biochem** 1983 Oct;16(5):285–6

PHARMACODYNAMICS

The absence of effect of azathioprine on prednisolone pharmacokinetics following maintenance prednisone doses in kidney transplant patients. Gambertoglio JG, et al. **Am J Kidney Dis** 1984 May;3(6):425–9

Effect of azathioprine and carbon tetrachloride on induction of hyperplastic liver nodule and hepatocellular carcinoma by diethylnitrosamine and N-2-fluorenylacetamide in rats. Sakata T, et al. **Ann NY Acad Sci** 1983;417:288–93

Azathioprine and 6-mercaptopurine (6-MP) suppress the human mixed lymphocyte reaction (MLR) by different mechanisms. Al-Safi SA, et al. **Br J Clin Pharmacol** 1984 Apr;17(4):417–22

Effect of levamisole and azathioprine on the human mixed lymphocyte reaction (MLR). Al-Safi SA, et al. **Br J Clin Pharmacol** 1984 Jul;18(1):83–5

The effect of azathioprine on terminal differentiation of human B lymphocytes. Górski A, et al. **Immunopharmacology** 1983 Dec;6(4):259–66

Azathioprine suppression of natural killer activity and antibody-dependent cellular cytotoxicity in renal transplant recipients. Prince HE, et al. **J Clin Immunol** 1984 Jul; 4(4):312–8

Immunoreactants in murine lupus nephritis: effects of azathioprine. Cavallo T, et al. **J Clin Lab Immunol** 1984 Mar;13(3):117–21

Phagocytic capacity of human leukocytes preincubated with Imuran and prednisone. Kotulová D, et al. **J Hyg Epidemiol Microbiol Immunol** 1983;27(3):253–7

The effect of suboptimal concentrations of mitogens on the immunosuppressive action of azathioprine and prednisolone on human lymphocytes in vitro. Cook JD, et al. **J Immunopharmacol** 1983;5(4):257–75

Decreased serum aspartate aminotransferase activity in patients receiving corticosteroids and/or azathioprine [letter] Nanji AA. **Nephron** 1984;36(1):75–6

THERAPEUTIC USE

Comparison of azathioprine-antilymphocyte globulin versus cyclosporine in renal transplantation. Sutherland DE, et al. **Am J Kidney Dis** 1984 May;3(6):456–61

Azathioprine and cyclophosphamide as slow-acting drugs for rheumatoid arthritis. Decker JL. **Am J Med** 1983 Dec 30;75(6A):74–8

Azathioprine in the treatment of myasthenia gravis. Witte AS, et al. **Ann Neurol** 1984 Jun;15(6):602–5

Azathioprine versus D-penicillamine in rheumatoid arthritis patients who have been treated unsuccessfully with gold. Paulus HE, et al. **Arthritis Rheum** 1984 Jul;27(7):721–7

Acute myocarditis. Role of histological and virological examination in the diagnosis and assessment of immunosuppressive treatment. Daly K, et al. **Br Heart J** 1984 Jan;51(1):30–5

Two cases of distinctive exudative discoid and lichenoid chronic dermatosis of Sulzberger and Garbe responding to azathioprine. Freeman K, et al. **Br J Dermatol** 1984 Aug; 111(2):215–20

Treatment of chronic actinic dermatitis with azathioprine. Leigh IM, et al. **Br J Dermatol** 1984 Jun;110(6):691–5

Ovarian function after renal transplantation: comparison of cyclosporin A with azathioprine and prednisone combination regimens. Handelsman DJ, et al. **Br J Obstet Gynaecol** 1984 Aug;91(8):802–7

Murine lupus nephritis: effect of azathioprine on glomerular permeability and localization of immunoreactants. Cavallo T, et al. **Clin Exp Immunol** 1983 Sep;53(3):547–54

Immunological studies in patients with rheumatoid arthritis receiving azathioprine and myocrisin in combination. Lewis P, et al. **Clin Rheumatol** 1982 Sep;1(3):168–75

Acquired factor VIII inhibitor in a non-haemophilic patient: successful treatment with plasma exchange associated with factor VIII concentrate and immunosuppressors. Paracchini ML, et al. **Haemostasis** 1984;14(3):249–52

Immunosuppressive treatment of chronic HBsAg-positive hepatitis in childhood. Tolentino P, et al. **Infection** 1983 Sep-Oct;11(5):255–9

Studies on antinephritic effect of mizoribine (p-INN, Bredinin), a new immunosuppressive agent, and azathioprine. (2) Effect on crescentic-type anti-GBM nephritis in rats. Okamoto K, et al. **Jpn J Pharmacol** 1984 Jan;34(1):33–41

Studies on antinephritic effect of mizoribine (p-INN, Bredinin), a new immunosuppressive agent, and azathioprine (1) effect on the nephrotic type of anti-GBM nephritis in rats. Okamoto K, et al. **Jpn J Pharmacol** 1983 Jun;33(3):541–8

Cytotoxic-drug treatment of lupus nephritis [editorial] Donadio JV Jr. **N Engl J Med** 1984 Aug 23;311(8):528–9

Treatment of HBsAg-positive chronic active hepatitis with corticosteroids and/or azathioprine. A prospective study. Manzillo G, et al. **Ric Clin Lab** 1983 Apr-Jun;13(2):261–8

Deterioration in glucose metabolism in pancreatic transplant recipients after conversion from azathioprine to cyclosporine. Gunnarsson R, et al. **Transplant Proc** 1984 Jun;16(3):709–12

Results of renal transplantation in diabetics at the University of Minnesota since 1979, including a comparison of outcome in diabetic and nondiabetic recipients randomized to cyclosporine versus azathioprine for immunosuppression. Sutherland DE, et al. **Transplant Proc** 1984 Jun; 16(3):629–32

Azathioprine withdrawal in renal transplant recipients. A long-term follow-up. Campos H, et al. **Transplantation** 1984 Jul;38(1):29–31

[Treatment of the Adamantiades-Behçet syndrome using an immunosuppressive agent (azathioprine) and prednisolone] Psilas K, et al. **Bull Mem Soc Fr Ophtalmol** 1983;95:417–22 **(Fre)**

[Basedow's ophthalmopathy. Failure of treatment with plasma exchange and azathioprine (letter)] Beycot M, et al. **Presse Med** 1984 Apr 28;13(18):1153–4 **(Fre)**

[Study of 213 cases of multiple sclerosis treated with azathioprine from 1967- to 1982] Aimard G, et al. **Rev Neurol (Paris)** 1983;139(8–9):509–13 (Eng. Abstr.) **(Fre)**

[Long-term immunosuppression in multiple sclerosis: evaluation of treatments begun before 1972] Sabouraud O, et al. **Rev Neurol (Paris)** 1984;140(2):125–30 (Eng. Abstr.) **(Fre)**

[Immunosuppressive therapy in congestive cardiomyopathy in childhood] Beitzke A, et al. **Monatsschr Kinderheilkd** 1984 Feb;132(2):116–20 (Eng. Abstr.) **(Ger)**

[Imuran in the therapy of ulcerative colitis (letter)] Nagy F, et al. **Orv Hetil** 1984 Apr 15;125(16):981 **(Hun)**

[The future of patients with chronic aggressive hepatitis treated with immunodepressive agents] Buligescu L, et al. **Rev Med Interna [Med Interna]** 1983 Jul-Aug;35(4):343–8 **(Rum)**

[Treatment of patients with idiopathic fibrosing alveolitis (personal experience and information from the literature)] Il'kovich MM. **Ter Arkh** 1983;55(10):49–52 (14 ref.) (Eng. Abstr.) **(Rus)**

[Chlorbutin, azathioprine, d-penicillamine and dekaris (levamisole) in the treatment of rheumatoid arthritis patients. III. A comparative analysis of their effect on the morphological manifestations of synovitis based on puncture biopsy data] Shekhter AB, et al. **Ter Arkh** 1984; 56(2):121–31 (Eng. Abstr.) **(Rus)**

TOXICITY

Hypoxanthine-guanine phosphoribosyltransferase-independent toxicity of azathioprine in human lymphoblasts. Dalke AP, et al. **Biochem Pharmacol** 1984 Aug 15;33(16):2692–5

Effect of the rat liver S9 fraction on the mutagenicity of azathioprine in the Salmonella/mammalian microsome assay. Nepomnaschy I, et al. **Experientia** 1984 Apr 15; 40(4):370–1

Monitoring of organ formation in rat embryos after in vitro exposure to azathioprine, mercaptopurine, methotrexate or cyclosporin A. Schmid BP. **Toxicology** 1984 May 1; 31(1):9–21

AZAURIDINE

ANALOGS & DERIVATIVES

6-azauridine triacetate induced hyper beta-alaninemia and its decrease by administration of pyridoxine. Slavik M, et al. **J Nutr Sci Vitaminol (Tokyo)** 1983 Oct;29(5):631-5

ANALYSIS

Quantitative determination of nucleosides and their phosphate esters--1. The acidic nucleosides, 3-deazauridine and 6-azauridine. Welch AD, et al. **Int J Biochem** 1984;16(6):587-91

PHARMACODYNAMICS

Modulation of production of hepatitis B surface antigen by a human hepatoma cell line. Clementi M, et al. **J Med Virol** 1984;13(2):117-23

AZEPINES

Brotizolam: experiment and clinical studies. Papers presented at a symposium, Bad Schachen, 7th and 8th May, 1982. **Br J Clin Pharmacol** 1983;16 Suppl 2: 201S-442S

[Effects of brotizolam (WE 941) as a premedicant on plasma noradrenaline (NA) concentration] Itohda Y, et al. **Masui** 1984 Feb;33(2):168-72 (Eng. Abstr.) **(Jpn)**

ADMINISTRATION & DOSAGE

Evaluation of a combination of tiletamine and zolazepam as an anesthetic for laboratory rodents. Silverman J, et al. **Lab Anim Sci** 1983 Oct;33(5):457-60

ANALYSIS

Spectrophotometric behaviour of two new 2H-thieno[2,3-e][1,4]diazepin-2-ones. Fernandez-Arciniega MA, et al. **Farmaco [Prat]** 1984 Feb; 39(2):57-65

Determination of ethoheptazine in human post mortem material. Drost RH, et al. **J Chromatogr** 1983 Oct 14; 277:352-5

[Determination of epsilon-caprolactam in food media by thin-layer chromatography] Shvagireva NA, et al. **Vopr Pitan** 1984 Mar-Apr;(2):61-3 (Eng. Abstr.) **(Rus)**

BLOOD

Assay of midazolam and brotizolam in plasma by a gas chromatographic and a radioreceptor technique. Jochemsen R, et al. **Pharm Weekbl [Sci]** 1983 Dec 16; 5(6):308-12

CHEMICAL SYNTHESIS

Synthesis and biological action of some pyrido-[1,3]-diazepine and pyrido-[2, 3-d]-pyrimidine derivatives. Solodučho J, et al. **Pol J Pharmacol Pharm** 1983;35(2):131-7

[Compounds with potential gastric antisecretory and anti-ulcer activity. IV. Synthesis of 3- and 4-phenyl-2-oxo-5-[2-(methylpiperazine-1-yl)-acetyl]-1H-2,3,4,5-tetrahydropyrido[2,3-b] [1,4]diazepine] Bianchi M, et al. **Farmaco [Sci]** 1984 Feb;39(2):162-70 (Eng. Abstr.) **(Ita)**

[Heterocyclic systems. IV. Synthesis and CNS activity of derivatives of 4H,6H-pyrrolo[1,2-a][4,1]-benzoxazepine] Massa S, et al. **Farmaco [Sci]** 1983 Nov;38(11):893-903 (Eng. Abstr.) **(Ita)**

METABOLISM

Pharmacokinetics and metabolism of brotizolam in humans. Bechtel WD. **Br J Clin Pharmacol** 1983;16 Suppl 2:279S-283S

Pharmacokinetics and metabolism of brotizolam in animals. Bechtel WD. **Br J Clin Pharmacol** 1983;16 Suppl 2:261S-266S

Pharmacokinetics of brotizolam in renal failure. Evers J, et al. **Br J Clin Pharmacol** 1983;16 Suppl 2:309S-313S

Pharmacokinetics of oral brotizolam in patients with liver cirrhosis. Jochemsen R, et al. **Br J Clin Pharmacol** 1983; 16 Suppl 2:315S-322S

Comparative pharmacokinetics of brotizolam and triazolam in healthy subjects. Jochemsen R, et al. **Br J Clin Pharmacol** 1983;16 Suppl 2:291S-297S

Pharmacokinetics of brotizolam in healthy subjects following intravenous and oral administration. Jochemsen R, et al. **Br J Clin Pharmacol** 1983;16 Suppl 2:285S-290S

Pharmacokinetics of brotizolam in the elderly. Jochemsen R, et al. **Br J Clin Pharmacol** 1983;16 Suppl 2:299S-307S

Metabolic fate of premazepam, a new anti-anxiety drug, in the rat and the dog. Assandri A, et al. **Drug Metab Dispos** 1984 Mar-Apr;12(2):257-63

Pharmacokinetics of the new analgesic, meptazinol, after oral and intravenous administration to volunteers. Norbury HM, et al. **Eur J Clin Pharmacol** 1983;25(1):77-80

Disposition of clotiazepam: influence of age, sex, oral contraceptives, cimetidine, isoniazid and ethanol. Ochs HR, et al. **Eur J Clin Pharmacol** 1984;26(1):55-9

The distribution of [14C]caprolactam in male, female and pregnant mice. Waddell WJ, et al. **Food Chem Toxicol** 1984 Apr;22(4):293-303

Pharmacokinetics and metabolism of premazepam, a new potential anxiolytic, in humans. Vitiello B, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 May;22(5):273-7

Enzymatic conversion of dihydroneopterin triphosphate to the pyrimidodiazepine intermediate involved in the biosynthesis of the drosopterins in Drosophila melanogaster. Wiederrecht GJ, et al. **J Biol Chem** 1984 Feb 25;259(4):2195-200

[Determination of lysine amidase and alpha-aminocaprolactam hydrolase activities in cell-free extracts of Cryptococcus sp.] Galaev IIu, et al. **Prikl Biokhim Mikrobiol** 1983 Nov-Dec;19(6):832-9 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Effects of dilazep on coronary and systemic hemodynamics in humans. Marzilli M, et al. **Am Heart J** 1984 Aug; 108(2):276-85

An analysis of the mechanism by which cetiedil inhibits the Gardos phenomenon. Berkowitz LR, et al. **Am J Hematol** 1984 Oct;17(3):217-23

Cetiedil inhibition of calmodulin-stimulated enzyme activity. Levine SN, et al. **Biochem Pharmacol** 1984 Feb 15; 33(4):581-4

Effects of brotizolam, flurazepam and placebo upon nocturnal auditory arousal thresholds. Hartse KM, et al. **Br J Clin Pharmacol** 1983;16 Suppl 2:355S-364S

Residual effects of flurazepam and brotizolam on psychomotor performance. Krueger H, et al. **Br J Clin Pharmacol** 1983;16 Suppl 2:347S-351S

Pharmacology and hypnogenic properties of brotizolam in animals. Kuhn FJ, et al. **Br J Clin Pharmacol** 1983;16 Suppl 2:253S-260S

Brotizolam: studies of effects on sleep and on performance in young adulthood and in middle age. Nicholson AN. **Br J Clin Pharmacol** 1983;16 Suppl 2:365S-369S

Quantitative pharmaco-EEG and performance after administration of brotizolam to healthy volunteers. Saletu B, et al. **Br J Clin Pharmacol** 1983;16 Suppl 2:333S-345S

Effect of brotizolam on the averaged photopalpebral reflex in man. Tanaka M, et al. **Br J Clin Pharmacol** 1983;16 Suppl 2:325S-332S

Brotizolam: a sleep laboratory evaluation. Vela-Bueno A, et al. **Eur J Clin Pharmacol** 1983;25(1):53-6

Cardiovascular effects of B-HT 958, an alpha-adrenoceptor agonist with a high pre/postsynaptic activity ratio. Kobinger W, et al. **Eur J Pharmacol** 1984 Jan 13; 97(1-2):67-73

Comparison of three beta-amino anilides: IQB-M-81, lidocaine and tocainide, on isolated rat atria. Tejerina T, et al. **Eur J Pharmacol** 1983 Nov 11;95(1-2):93-9

Effect of meptazinol and ethanol on human psychomotor performance and mood ratings. Tedeschi G, et al. **Hum Toxicol** 1984 Feb;3(1):37-43

Intracardiac electrophysiologic study of dilazep in man. Padeletti L, et al. **Int J Cardiol** 1984 Apr;5(4):525-6

Hemodynamic profiles of methoxamine and B-HT 933 in spinalized ganglion-blocked dogs. Zandberg P, et al. **J Cardiovasc Pharmacol** 1984 Mar-Apr;6(2):256-62

Bepridil and cetiedil. Vasodilators which inhibit Ca2+-dependent calmodulin interactions with erythrocyte membranes. Agre P, et al. **J Clin Invest** 1984 Sep; 74(3):812-20

Pre-junctional alpha 2-adrenoceptor activity of B-HT920. Mottram DR. **J Pharm Pharmacol** 1983 Oct;35(10):652-5

Possible relationship between receptor reserve and the differential antagonism of alpha-1 and alpha-2 adrenoceptor-mediated pressor responses by calcium channel antagonists in the pithed rat. Ruffolo RR Jr, et al. **J Pharmacol Exp Ther** 1984 Sep;230(3):587-94

Meptazinol: a novel Mu-1 selective opioid analgesic. Spiegel K, et al. **J Pharmacol Exp Ther** 1984 Feb;228(2):414-9

Effects of diazepam, nitrazepam and brotizolam on dopamine turnover in the olfactory tubercle, nucleus accumbens and caudate nucleus of rats. Ishiko J, et al. **Jpn J Pharmacol** 1983 Jun;33(3):706-8

Meptazinol [letter] Weinstock M. **Lancet** 1983 Oct 29; 2(8357):1027

In vitro interaction of premazepam with benzodiazepine receptors in rat brain regions. Barone D, et al. **Life Sci** 1984 Jul 23;35(4):365-71

B-HT 920 acts as an alpha 1-adrenoceptor agonist in the rabbit aorta under certain in vitro conditions. Lues I, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Jan; 325(1):42-6

The effects of brotizolam, a new hypnotic, on cardiac and respiratory function in volunteers. Cohn MA. **Respiration** 1984;45(3):281-5

[The effect of dilazep on circulating platelet aggregation in diabetics] Carleo R, et al. **Boll Soc Ital Biol Sper** 1983 Dec 30;59(12):1832-7 (Eng. Abstr.) **(Ita)**

[Changes in platelet production of malondialdehyde in diabetics treated with dilazep] Carleo R, et al. **Boll Soc Ital Biol Sper** 1983 Dec 30;59(12):1838-41 (Eng. Abstr.) **(Ita)**

[Determination of antimitotic activity in new 1-methylpiperazine and perhydroazepine derivatives] Broda B, et al. **Acta Pol Pharm** 1983;40(4):489-95 (Eng. Abstr.) **(Pol)**

POISONING

Determination of ethoheptazine in human post mortem material. Drost RH, et al. **J Chromatogr** 1983 Oct 14; 277:352-5

THERAPEUTIC USE

Brotizolam as a pre-operative hypnotic. Ahmad F, et al. **Br J Clin Pharmacol** 1983;16 Suppl 2:419S-423S

Brotizolam and chronic insomnia: a multi-centre study. Fritz-Osner A, et al. **Br J Clin Pharmacol** 1983;16 Suppl 2:413S-414S

Comparative study on the efficacy of and the tolerance to the triazolodiazepines, triazolam and brotizolam. Goetzke E, et al. **Br J Clin Pharmacol** 1983;16 Suppl 2:407S-412S

Efficacy and tolerance: comparative studies with brotizolam and flunitrazepam. Goetzke E, et al. **Br J Clin Pharmacol** 1983;16 Suppl 2:397S-401S

Comparative studies on the efficacy of brotizolam and nitrazepam: a multi-centre study. Lohmann H, et al. **Br J Clin Pharmacol** 1983;16 Suppl 2:403S-406S

Effects of brotizolam on the sleep of chronic insomniacs. Mamelak M, et al. **Br J Clin Pharmacol** 1983;16 Suppl 2:377S-382S

Brotizolam: review of clinical studies. Nicholson AN. **Br J Clin Pharmacol** 1983;16 Suppl 2:433S-440S **(Eng, Mul)**

Effects of acute administration of brotizolam in subjects with disturbed sleep. Roehrs T, et al. **Br J Clin Pharmacol** 1983; 16 Suppl 2:371S-376S

Effects of graded oral doses of meptazinol and pentazocine in comparison with placebo on experimentally induced pain in healthy humans. Stacher G, et al. **Br J Clin Pharmacol** 1983 Aug;16(2):149-56

Hypnotic activity of brotizolam: a study in general practice. Uzzan B, et al. **Br J Clin Pharmacol** 1983;16 Suppl 2:417S-418S

Tolerance studies with brotizolam in hospitalized patients. von Delbrück O, et al. **Br J Clin Pharmacol** 1983;16 Suppl 2:385S-389S

Efficacy and acceptability of brotizolam in the elderly. von Delbrück O, et al. **Br J Clin Pharmacol** 1983;16 Suppl 2:391S-395S

Studies in general practice with brotizolam. Wheatley D. **Br J Clin Pharmacol** 1983;16 Suppl 2:415S-416S

Efficacy of Dilazep in patients with previous myocardial infarction participating in a cardiac rehabilitation programme. Grasso S, et al. **Int J Clin Pharmacol Res** 1983; 3(4):271-4

Antiulcer activity of clotiazepam in rats. Haga K, et al. **Jpn J Pharmacol** 1984 Apr;34(4):381-7

[Surgical treatment of urinary stress incontinence by using an Ampoxen sling under the urethra] Doganov N, et al. **Akush Ginekol (Sofiia)** 1983;22(4):311-6 (Eng. Abstr.) **(Bul)**

[Use of the antimicrobial explantoplasts ampoxen and polycon in the surgical treatment of hepatic echinococcosis] Vasilev N, et al. **Khirurgiia (Sofiia)** 1984; 37(3):190-4 (Eng. Abstr.) **(Bul)**

[Hemodynamic effect of a tranquilizing agent on disorders of myocardial function after myocardial infarct] Buchwalsky R, et al. **Med Welt** 1983 Dec 9;34(49):1413-6 **(Ger)**

[Meptazinol in orthopedic surgery] Zanchini M, et al. **Minerva Chir** 1983 Aug 15-31;38(15-16):1201-15 (Eng. Abstr.) **(Ita)**

[Clinical effects of dilazep dihydrochloride on glomerulonephritis] Morozumi K, et al. **Nippon Jinzo Gakkai Shi** 1983 Oct;25(10):1189-99 (Eng. Abstr.) **(Jpn)**

TOXICITY

The toxicology of brotizolam. Hewett C, et al. **Br J Clin Pharmacol** 1983;16 Suppl 2:267S-274S

Influence of brotizolam on the ventilatory and mouth-occlusion pressure response to hypercapnia in patients with chronic obstructive pulmonary disease. Sybrecht GW. **Br J Clin Pharmacol** 1983;16 Suppl 2:425S-430S

Carcinogenicity studies in rodents and ripazepam, a minor tranquilizing agent. Fitzgerald JE, et al. **Fundam Appl Toxicol** 1984 Apr;4(2 Pt 1):178-90

[Hazards of cyclohexanone penetration through the skin of workers of the caprolactam-manufacturing plant] Berezniak IV. **Gig Tr Prof Zabol** 1984 Mar;(3):52-4 **(Rus)**

AZESERINE see **AZASERINE**

AZETIDINECARBOXYLIC ACID see under **AZETINES**

AZETIDINES see under **AZETINES**

AZETINES

ANALYSIS

Azetidine-2-carboxylic acid contaminated dietary proline as a cause of urinary excretion of 4-amino-2-(S-cysteinyl)butyric acid in patients on oral treatment with a synthetic diet. Kamerling JP, et al. **J Chromatogr** 1983 Oct 14;277:41-51

CHEMICAL SYNTHESIS

Synthesis and antibacterial activity of 3-acylamino-3-methoxy-2-azetidinone-1-sulfonic acid derivatives. Matsuo T, et al. **Chem Pharm Bull (Tokyo)** 1983 Jul;31(7):2200–8

Synthesis and antibacterial activity of 3-acylamino-2-azetidinone-1-sulfonic acid derivatives. Matsuo T, et al. **Chem Pharm Bull (Tokyo)** 1983 Jun; 31(6):1874–84

Synthesis of 3-acylamino-4-hydroxymethyl-2-oxo-1-sulfoazetidines and related compounds. Shibuya M, et al. **Chem Pharm Bull (Tokyo)** 1984 Apr;32(4):1303–12

In the search for new anticancer drugs. VII. Platinum complexes of diaziridines and azetidine. Sosnovsky G, et al. **J Cancer Res Clin Oncol** 1984;107(3):217–20

Synthesis and biological activity of some new benzimidazolyl-azetidin-2-ones and -thiazolidin-4-ones. Abdel-Rahman AE, et al. **Pharmazie** 1983 Sep;38(9):589–90

[Synthesis of 3-amino-3-methyl-2-azetidinone-1-sulfonic acid and its derivatives] Hirose T, et al. **Yakugaku Zasshi** 1983 Nov;103(11):1210–4 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Mutant cell lines resistant to azetidine-2-carboxylic acid: alterations in the synthesis of proline from glutamic acid. Lodato RF, et al. **J Cell Physiol** 1984 Apr;119(1):137–43

THERAPEUTIC USE

Anticonvulsant action of fluzinamide (AHR-8559) on kindled amygdaloid seizures. Albertson TE, et al. **Epilepsia** 1984 Aug;25(4):511–7

TOXICITY

Alterations of transcription and translation in HeLa cells exposed to amino acid analogs. Thomas GP, et al. **Mol Cell Biol** 1984 Jun;4(6):1063–72

AZIDES

Photoaffinity labeling of the sodium- and potassium-activated adenosinetriphosphatase with a cardiac glycoside containing the photoactive group on the C-17 side chain. Deffo T, et al. **Biochemistry** 1983 Dec 20;22(26):6303–9

Sodium azide interference with a radioimmunoassay for prostatic acid phosphatase [letter] Cobbledick RE, et al. **Clin Chem** 1984 Jul;30(7):1264

Photoreactive derivative of Kunitz's soybean trypsin inhibitor. Preparation by selective modification of a tryptophan residue and formation of a covalent complex of the modified inhibitor with trypsin. Ramachandran J, et al. **Int J Pept Protein Res** 1984 Jan;23(1):72–7

ANALYSIS

Insulin receptors in isolated human adipocytes. Characterization by photoaffinity labeling and evidence for internalization and cellular processing. Berhanu P, et al. **J Clin Invest** 1983 Dec;72(6):1958–70

ANTAGONISTS & INHIBITORS

Cyanide prevents the inhibition of platelet aggregation by nitroprusside, hydroxylamine and azide. Schwerin FT, et al. **Thromb Haemost** 1983 Dec 30;50(4):780–3

BIOSYNTHESIS

A mutagenic metabolite synthesized by Salmonella typhimurium grown in the presence of azide is azidoalanine. Owais WM, et al. **Mutat Res** 1983 Sep;118(4):229–39

CHEMICAL SYNTHESIS

Photo-affinity label for cellular retinol-binding protein. Sheves M, et al. **Biochem Biophys Res Commun** 1984 Jul 31;122(2):577–82

Synthesis of a cleavable dinucleotide photoaffinity probe of ribonucleic acid polymerase: application to trinucleotide labeling of an Escherichia coli transcription complex. Hanna MM, et al. **Biochemistry** 1983 Jul 19;22(15):3546–51

Tautomerism of 2-azidoadenine nucleotides. Effects on enzyme kinetics and photoaffinity labeling. Czarnecki JJ. **Biochim Biophys Acta** 1984 Jul 16;800(1):41–51

Monoazido analog of ethidium as a chromatin probe: binding to DNA. Coffman GL, et al. **Biopolymers** 1984 Jun; 23(6):1067–84

Photoaffinity labeling of the glucagon receptor with a new glucagon analog. Wright DE, et al. **Eur J Biochem** 1984 May 15;141(1):63–7

Photoaffinity labeling of (Na+K+)-ATPase with [125I]iodoazidocymarin. Lowndes JM, et al. **J Biol Chem** 1984 Aug 25;259(16):10533–8

A photoaffinity reagent to label the opiate receptors of guinea pig ileum and mouse vas deferens. Fujioka T, et al. **J Med Chem** 1984 Jul;27(7):836–40

p-Azidophenylglyoxal-epidermal growth factor: a photoactivatable affinity crosslinking reagent. Miller RC, et al. **J Recept Res** 1983;3(4):529–39

Photoaffinity probes for opiate receptors: synthesis and properties of a nitro-azido-derivative of 14-beta-aminomorphinone. Peers EM, et al. **Life Sci** 1983; 33 Suppl 1:439–42

125I-labeled crosslinking reagent that is hydrophilic, photoactivatable, and cleavable through an azo linkage. Denny JB, et al. **Proc Natl Acad Sci USA** 1984 Sep; 81(17):5286–90

DIAGNOSTIC USE

Photoaffinity labeling of turkey erythrocyte beta-adrenergic receptors: degradation of the Mr = 49,000 protein explains apparent heterogeneity. Sibley DR, et al. **Biochem Biophys Res Commun** 1984 Mar 15;119(2):458–64

METABOLISM

Covalent labeling of the cerebral cortex alpha 1-adrenergic receptor with a new high affinity radioiodinated photoaffinity probe. Leeb-Lundberg LM, et al. **Biochem Biophys Res Commun** 1983 Sep 30;115(3):946–51

Azidocalmodulin derivatives. Activation of, and binding to, three target proteins: aorta myosin light-chain kinase, erythrocyte (Mg2+ + Ca2+)-dependent ATPase and cardiac sarcoplasmic-reticulum kinase. Molla A, et al. **Biochem J** 1983 Dec 1;215(3):475–82

Anion binding to resting and half-reduced Pseudomonas cytochrome c peroxidase. Ellfolk N, et al. **Biochim Biophys Acta** 1984 Jan 18;784(1):62–7

The effect of aminoacyl- or peptidyl-tRNA at the A-site on the arrangement of deacylated tRNA at the ribosomal P-site. Babkina GT, et al. **FEBS Lett** 1984 May 21; 170(2):290–4

Photoaffinity labelling of Ca2+ channels with [3H]azidopine. Ferry DR, et al. **FEBS Lett** 1984 Apr 9;169(1):112–8

Crosslinking of tropomyosin to myosin subfragment-1 in reconstituted rabbit skeletal thin filaments. Tao T, et al. **FEBS Lett** 1984 Mar 12;168(1):169–73

Ethidium binding sites on plasmid DNA determined by photoaffinity labeling. Hardwick JM, et al. **J Biol Chem** 1984 Sep 10;259(17):11090–7

Photoaffinity labeling of mammalian alpha 1-adrenergic receptors. Identification of the ligand binding subunit with a high affinity radioiodinated probe. Leeb-Lundberg LM, et al. **J Biol Chem** 1984 Feb 25;259(4):2579–87

The photoaffinity probe 8-azidoadenosine 5'-triphosphate selectively labels the heavy chain of Chlamydomonas 12 S dynein. Pfister KK, et al. **J Biol Chem** 1984 Jul 10; 259(13):8499–504

Photoaffinity labeling of human chorionic gonadotropin-binding sites in rat ovarian plasma membranes. Rapoport B, et al. **J Biol Chem** 1984 Apr 10; 259(7):4267–71

Direct comparison of the rates of internalization and degradation of covalent receptor-insulin complexes in 3T3-L1 adipocytes. Internalization of occupied receptors is not the rate-limiting step in receptor-hormone complex degradation. Reed BC, et al. **J Biol Chem** 1984 Jul 10; 259(13):8134–43

A mutagenic metabolite synthesized by Salmonella typhimurium grown in the presence of azide is azidoalanine. Owais WM, et al. **Mutat Res** 1983 Sep;118(4):229–39

PHARMACODYNAMICS

Kinetic and e.p.r. studies of cyanide and azide binding to the copper sites of dopamine (3,4-dihydroxyphenethylamine) beta-mono-oxygenase. Blackburn NJ, et al. **Biochem J** 1984 Jun 1;220(2):447–54

Photoaffinity labelling of the ATP-binding site of the epidermal growth factor-dependent protein kinase. Kudlow JE, et al. **Biochem J** 1984 Jun 15;220(3):677–83

Biochemistry of terminal deoxynucleotidyltransferase: characterization and properties of photoaffinity labeling with 8-azidoadenosine 5'-triphosphate. Abraham KI, et al. **Biochemistry** 1983 Aug 30;22(18):4197–203

Photoaffinity labeling of the major nucleosidetriphosphatase of rat liver nuclear envelope. Clawson GA, et al. **Biochemistry** 1984 Jul 17;23(15):3501–7

Selective photoinduced uncoupling of the response of adenylate cyclase to gonadotropins by 5-iodonaphthyl 1-azide. Raviv Y, et al. **Biochemistry** 1984 Jan 31; 23(3):503–8

Photoaffinity labeling of DNA-dependent RNA polymerase from Escherichia coli with 8-azidoadenosine 5'-triphosphate. Woody AY, et al. **Biochemistry** 1984 Jun 19;23(13):2843–8

Effect of sodium azide on catecholamine release from isolated adrenal gland and on guanylate cyclase. Dohi T, et al. **Eur J Pharmacol** 1983 Oct 28;94(3-4):331–5

Identification of the NADH-NAD+ transhydrogenase peptide of the mitochondrial NADH-CoQ reductase (Complex I). A photodependent labeling study utilizing arylazido-beta-alanyl NAD+. Chen S, et al. **J Biol Chem** 1984 Apr 25;259(8):5124–31

The reaction mechanism of the mitochondrial pyridine nucleotide transhydrogenase. A study utilizing arylazido-pyridine nucleotide analogues. Chen S, et al. **J Biol Chem** 1984 May 10;259(9):5945–53

Metabolism of photoaffinity-labeled insulin receptors by adipocytes. Role of internalization, degradation, and recycling. Heidenreich KA, et al. **J Biol Chem** 1984 May 25;259(10):6511–5

Photoaffinity labeling of lactose synthase with a UDP-galactose analogue. Lee TK, et al. **J Biol Chem** 1983 Nov 10;258(21):13166–71

Limited proteolysis and photoaffinity labeling with 8-azido-ATP of fructose-6-phosphate,2-kinase and fructose-2,6-bisphosphatase. Sakakibara R, et al. **J Biol Chem** 1984 Jul 10;259(13):8366–71

Deleterious effect of sodium azide on the activity of peroxidase [letter] Chaudhary RK, et al. **J Clin Pathol** 1983 Oct;36(10):1201–2

Demonstration of activation-specific interactions among B lymphocyte membrane proteins by a photoreactive cross-linking agent. Wolfert RL, et al. **J Immunol** 1984 Jun;132(6):2703–8

Sodium azide affects methylene blue concentration in Salmonella typhimurium and Saccharomyces cerevisiae. Koch WH, et al. **Photochem Photobiol** 1984 Jun;39(6):841–5

An anti-I cold auto-agglutinin enhanced in the presence of sodium azide. Reviron M, et al. **Vox Sang** 1984;46(4):211–6

[Conformational coupling in H+-pumps and ATP synthesis--analysis with anisotropic inhibitors of energy transduction in oxidative phosphorylation] Higuti T. **Seikagaku** 1984 Mar;56(3):151–83 (223 ref.) **(Jpn)**

TOXICITY

Chromium (VI) potentiates mutagenesis by sodium azide but not ethyl methanesulfonate. LaVelle JM, et al. **Environ Mutagen** 1984;6(3):311–20

In vivo and in vitro effects of sodium azide on mouse complement. Johnson KW, et al. **Toxicol Appl Pharmacol** 1984 May;73(3):559–63

AZIDOCILLIN see under **PENICILLINS**

AZINPHOSMETHYL see under **INSECTICIDES, ORGANOTHIOPHOSPHATE**

AZIRIDINES see under **AZIRINES**

AZIRINES

Reactions of ethyleneimine with guanosine and deoxyguanosine. Hemminki K. **Chem Biol Interact** 1984 Mar;48(3):249–60

Alkylation of DNA by the new anticancer agent 3,6-diaziridinyl-2,5-bis(carboethoxyamino)-1,4-benzoquin (AZQ). King CL, et al. **Eur J Cancer Clin Oncol** 1984 Feb;20(2):261–4

Hydrophobic labeling of the membrane binding domain of acetylcholinesterase from Torpedo marmorata. Stieger S, et al. **FEBS Lett** 1984 Mar 26;168(2):231–4

Diaziquone (AZQ). Bender JF, et al. **Invest New Drugs** 1983; 1(1):71–84 (41 ref.)

[Crystal and molecular structure of ftorbenzotef (N-para-fluorobenzoyl-N',N',N',N'-diethylene triamide of phosphoric acid)] Rebrova ON, et al. **Dokl Akad Nauk SSSR** 1984;274(2):328–32 **(Rus)**

ADMINISTRATION & DOSAGE

Phase II study of aziridinylbenzoquinone in refractory lymphoma. Case DC Jr, et al. **Cancer Treat Rep** 1983 Nov; 67(11):993–6

[Experimental combination chemotherapy with vincristine and carboquone in human ovarian cancer transplanted into nude mice] Nakata H. **Nippon Sanka Fujinka Gakkai Zasshi** 1983 Nov; 35(11):1991–8 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

[Fundamental studies on intravesical instillation of carboquone for treatment of urinary bladder tumors--on the effects of intravesical instillation of carboquone in normal beagle dogs] Okajima E, et al. **Hinyokika Kiyo** 1983 Sep;29(9):1061–74 (Eng. Abstr.) **(Jpn)**

BLOOD

[Gas-liquid chromatographic assay of a new antineoplastic agent, 1,3,3,5,5-pentakis-(azaridino)lambda 6-2,4,6,3 lambda 5, 5 lambda 5-thiatriazadiphosphorine-1-oxide. Application to pharmacokinetic studies] Enger A, et al. **J Chromatogr** 1984 Feb 10;305(2):335–44 (Eng. Abstr.) **(Fre)**

CEREBROSPINAL FLUID

Cerebrospinal fluid pharmacokinetics of intraventricular and intravenous aziridinylbenzoquinone. Zimm S, et al. **Cancer Res** 1984 Apr;44(4):1698–701

CHEMICAL SYNTHESIS

In the search for new anticancer drugs. VII. Platinum complexes of diaziridines and azetidine. Sosnovsky G, et al. **J Cancer Res Clin Oncol** 1984;107(3):217–20

In the search for new anticancer drugs. 9. Synthesis and anticancer activity of spin-labeled analogues of N,N:N',N':N',N'-Tri-1,2-ethanediylphosphoric triamide and N,N:N',N':N',N'-tri-1,2-ethanediylphosphorothioic triamide. Sosnovsky G, et al. **J Med Chem** 1984 Jun; 27(6):782–8

METABOLISM

Alkylboronic acids accelerate affinity labelling of

acetylcholinesterase with N,N-dimethyl-2-phenylaziridinium ion. Palumaa P, et al. **Biochim Biophys Acta** 1984 Jan 18;784(1):35-9

Biosynthetic utilization of photoreactive fatty acids by rat liver microsomes. Leblanc P, et al. **Can J Biochem Cell Biol** 1984 Jun;62(6):375-8

Pharmacology of the mixed-function radio- and chemosensitizers CB 1954 and RSU 1069. Workman P, et al. **Int J Radiat Oncol Biol Phys** 1984 Aug;10(8):1307-10

The pharmacologic fate of 2,5-diaziridinyl-3,6-bis(carboethoxyamino) 1,4-benzoquinone (AZQ NSC-182986) by intracarotid or intravenous administration in beagles. Feun LG, et al. **J Neurooncol** 1983;1(3):219-24

Intracerebral penetration and tissue distribution of 2,5-diaziridinyl 3,6-bis(carboethoxyamino) 1,4-benzoquinone (AZQ, NSC-182986). Savaraj N, et al. **J Neurooncol** 1983;1(1):15-9

The pharmacology of diaziquone given in intravenous or intracarotid infusion to normal and intracranial tumor-bearing puppies. Egorin MJ, et al. **J Neurosurg** 1984 May;60(5):1005-13

PHARMACODYNAMICS

Spectroscopic studies of conformational transitions in double stranded DNAs in the presence of carcinogenic nickel compounds and an antitumoral drug (SOAZ). Liquier J, et al. **Anticancer Res** 1984 Jan-Apr;4(1-2):41-4

Alteration of delta psi-dependent amino acid transports in Streptococcus pneumoniae by the antitumoral drug SOAz. Trombe MC, et al. **Biochem Pharmacol** 1984 Sep 1; 33(17):2749-53

Hydrophobic labeling of a single leaflet of the human erythrocyte membrane. Brunner J, et al. **Biochemistry** 1983 Aug 2;22(16):3812-20

3-(Trifluoromethyl)-3-(m-[125I]iodophenyl)diazirine, a hydrophobic, photoreactive probe, labels calmodulin and calmodulin fragments in a Ca2+-dependent way. Krebs J, et al. **Biochemistry** 1984 Jan 31;23(3):400-3

Labeling of intramembrane segments of the alpha-subunit and beta-subunit of pure membrane-bound (Na+ + K+)-ATPase with 3-trifluoromethyl-3-(m-[125I]iodophenyl)diazirine. Jørgensen PL, et al. **Biochim Biophys Acta** 1983 Nov 9; 735(2):291-6

Non-cholinergic neurotoxic effects of AF64A in the substantia nigra. Levy A, et al. **Brain Res** 1984 Jul 2; 305(1):169-72

Selective cholinergic neurotoxin: AF64A's effects in rat striatum. Sandberg K, et al. **Brain Res** 1984 Feb 13; 293(1):49-55

Effects of intrastriatal injections of the cholinergic neurotoxin AF64A on spontaneous nocturnal locomotor behavior in the rat. Sandberg K, et al. **Brain Res** 1984 May 14; 299(2):339-43

Mechanisms of DNA strand breakage and interstrand cross-linking by diaziridinylbenzoquinone (diaziquone) in isolated nuclei from human cells. Szmigiero L, et al. **Cancer Res** 1984 Oct;44(10):4453-7

Mitochondrial toxicity of 2,5-diaziridinyl-3,6-bis-(carboethoxyamino)-1,4-benzoqui Oberc-Greenwood MA, et al. **JNCI** 1983 Oct;71(4):725-33

Possible mechanisms involved in the presynaptic cholinotoxicity due to ethylcholine aziridinium (AF64A) in vivo. Mantione CR, et al. **Life Sci** 1984 Jul 2;35(1):33-41

Effect of the chemosterilant bisazir on the testes of the spotted bollworm Earias fabia stoll. Srivastava VK, et al. **Toxicology** 1984 Jun;31(3-4):335-42

[Comparative evaluation of the effect of bisazir and thiophosphamide sterilization on the sexual activity of male mosquitoes] Zakharova NF. **Med Parazitol (Mosk)** 1983 Jul-Aug;(4):38-42 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Phase II clinical evaluation of AZQ in adenocarcinoma of the lung. Decker DA, et al. **Am J Clin Oncol** 1984 Aug; 7(4):353-5

The antineoplastic activity of hexaziridinocyclotriphosphazene (Myko 63) in murine tumors. Malfiore C, et al. **Anticancer Res** 1983 Nov-Dec; 3(6):425-9

Radiation sensitization and chemopotentiation: RSU 1069, a compound more efficient than misonidazole in vitro and in vivo. Adams GE, et al. **Br J Cancer** 1984 May; 49(5):571-7

Phase I study of aziridinylbenzoquinone (AZQ, NSC 182986) in children with cancer. Tan CT, et al. **Cancer Res** 1984 Feb;44(2):831-5

Cancer and leukemia group B phase II non-small cell lung carcinoma trial: aziridinylbenzoquinone (AZQ). Carey RW, et al. **Cancer Treat Rep** 1983 Jan;67(1):95-6

Phase I study of diaziquone. Frytak S, et al. **Cancer Treat Rep** 1984 Jul-Aug;68(7-8):975-8

Phase II trial of diaziquone in advanced renal adenocarcinoma. Hansen M, et al. **Cancer Treat Rep** 1984 Jul-Aug;68(7-8):1055-6

Phase I-II diaziquone chemotherapy in brain tumors. Madajewicz S, et al. **Cancer Treat Rep** 1984 Jun;68(6):913-4

The effect of BM 12.531 (azimexon) on natural killer cell activity in myeloma patients. Peter HH, et al. **Eur J Cancer Clin Oncol** 1984 Mar;20(3):353-9

Patient motivation and informed consent in a phase I study of an anticancer agent. Rodenhuis S, et al. **Eur J Cancer Clin Oncol** 1984 Apr;20(4):457-62

Survival and cell cycle kinetics responses of Chinese hamster ovary cells, and clones of human adenocarcinoma of the stomach and astrocytoma to diaziquone (AZQ) in vitro. Barranco SC, et al. **Invest New Drugs** 1983;1(1):11-9

Reduction of the immunosuppressive action of chemotherapeutics in patients with mammary carcinoma by Azimexon. Kreienberg R, et al. **J Immunopharmacol** 1983;5(1-2):49-64

A phase II trial of 2,5,-diaziridinyl 3,6-bis (carboethoxy amino) 1,4-benzoquinone (AZQ, NSC 182986) in recurrent primary brain tumors. Feun LG, et al. **J Neurooncol** 1984; 2(1):13-7

Treatment of patients with recurrent primary brain tumors with AZQ. Schold SC Jr, et al. **Neurology (NY)** 1984 May; 34(5):615-9

Clinical evaluation of anticancer alkylating agent, carboquone (NSG-134679). Himori T, et al. **Sci Rep Res Inst Tohoku Univ [Med]** 1983 Dec;30(1-4):92-9

TOXICITY

Decreased cytotoxicity of aziridinylbenzoquinone caused by polyamine depletion in 9L rat brain tumor cells in vitro. Alhonen-Hongisto L, et al. **Cancer Res** 1984 Jan; 44(1):39-42

Phase II and pharmacokinetic study of aziridinylbenzoquinone [2,5-diaziridinyl-3,6-bis(carboethoxyamino)-1,4-benzoqui diaziquone, NSC 182986] in high-grade gliomas. Curt GA, et al. **Cancer Res** 1983 Dec;43(12 Pt 1):6102-5

Treatment of human glioma and medulloblastoma tumor lines in athymic mice with diaziquone and diaziquone-based drug combinations. Schold SC Jr, et al. **Cancer Res** 1984 Jun;44(6):2352-7

DNA strand scission and cross-linking by diaziridinylbenzoquinone (diaziquone) in human cells and relation to cell killing. Szmigiero L, et al. **Cancer Res** 1984 Oct;44(10):4447-52

Phase I evaluation of SOAz (1,3,3,5,5 pentakis(aziridino)-1 lambda 6, 2,4,6,3 lambda 5, 5 lambda 5 thiatriaza-diphosphorine-1-oxide) in a weekly schedule. Rodenhuis S, et al. **Eur J Cancer Clin Oncol** 1984 May; 20(5):645-9

Photosensitive interaction of RSU 1069 with DNA. Edwards DI, et al. **Int J Radiat Oncol Biol Phys** 1984 Aug; 10(8):1319-22

Acute toxicity study of 1,3,3,5,5-pentaziridino-1-thia-2,4,6-triaza-3,5-diphosp horine-1-oxide (a new antitumor agent with an inorganic ring) in mice, rats and dogs. Nakano S, et al. **J Appl Toxicol** 1984 Feb;4(1):1-7

AZO COMPOUNDS

Potentiation of large intestinal tumorigenicity of cycasin derivative by high-fat diet and Lactobacillus in germfree mice. Iwasaki I, et al. **Acta Pathol Jpn** 1983 Nov; 33(6):1197-204

Intracellular free Ca and Mg of human red blood cell ghosts measured with entrapped arsenazo III. Yingst DR, et al. **Anal Biochem** 1983 Jul 15;132(2):431-48

The use of Eriochrome Black A (diamond black) as a counterstain in fluorescent antibody staining techniques for the detection of antibodies to haemoprotozoa. Jones TW, et al. **Ann Trop Med Parasitol** 1983 Oct;77(5):535-6

Positive cooperativity in binding by albumin: the system bovine serum albumin and alizarin yellow G cobinding by salicylic acid. Nissani E, et al. **Arch Biochem Biophys** 1983 Oct 1;226(1):357-64

The staining properties of thiazolylazoalkylaminophenol derivatives in histochemical staining of cadmium. Sumi Y, et al. **Basic Appl Histochem** 1984;28(2):137-42

Immunologic response to protein immobilized on the surface of liposomes via covalent azo-bonding. Snyder SL, et al. **Biochim Biophys Acta** 1984 May 30;772(3):288-94

Stoichiometries of arsenazo III-Ca complexes. Palade P, et al. **Biophys J** 1983 Sep;43(3):355-69

Pervasive hyperactivity and long-term learning impairments in rats with induced micrencephaly from prenatal exposure to methylazoxymethanol. Vorhees CV, et al. **Brain Res** 1984 Jul;317(1):1-10

Inhibition of intestinal tumorigenesis in methylazoxymethanol-treated rats by dietary restriction. Pollard M, et al. **Cancer Treat Rep** 1984 Feb;68(2):405-8

Glutathione conjugate formation in the detoxification of ultimate and proximate carcinogens of N-methyl-4-aminoazobenzene. Coles B, et al. **Carcinogenesis** 1984 Jul;5(7):917-20

Azo dyes based on 3,5,3',5'-tetramethylbenzidine: potential substitutes for carcinogenic azo dyes. Josephy PD, et al. **Chem Biol Interact** 1984 May;49(3):375-82

Total Mg2+ measured in serum and urine in the Technicon RA 1000 random access analyzer by use of modified manual calmagite procedure [letter] Diamandis EP, et al. **Clin Chem** 1984 Jul;30(7):1262

A modification of the amidoblack-TCA-staining for quantitative microspectrometrical determination of proteins in tissue sections. Nöhammer G. **Histochemistry** 1984; 80(4):395-400

Fluorescent redox dyes. 1. Production of fluorescent formazan by unstimulated and phorbol ester- or digitonin-stimulated Ehrlich ascites tumor cells. Stellmach J. **Histochemistry** 1984;80(2):137-43

Differential susceptibility of inbred mouse strains forecast by acute colonic proliferative response to methylazoxymethanol. Deschner EE, et al. **JNCI** 1984 Jan; 72(1):195-8

Methylazoxymethanol microencephaly in rats: neurochemical characterization and behavioral studies with the nootropic oxiracetam. Banfi S, et al. **Pharmacol Res Commun** 1984 Jan;16(1):67-83

A highly sensitive chelator for metal staining, bromopyridylazo-diethylaminophenol. Sumi Y, et al. **Stain Technol** 1983 Nov;58(6):325-8

[Colorimetric and fluorometric determinations of cartap, an insecticide, by ion association with calcon] Sano T, et al. **Yakugaku Zasshi** 1983 Jun;103(6):650-4 (Eng. Abstr.) **(Jpn)**

ADMINISTRATION & DOSAGE

Oral tartrazine challenge in childhood asthma: effect on bronchial reactivity. Hariparsad D, et al. **Clin Allergy** 1984 Jan;14(1):81-5

ADVERSE EFFECTS

Decreased sensitivity to tartrazine after aspirin desensitization in an asthmatic patient intolerant to both aspirin and tartrazine. Michel O, et al. **Ann Allergy** 1984 May; 52(5):368-70

Allergic contact dermatitis to azodicarbonamide. Bonsall JL. **Contact Dermatitis** 1984 Jan;10(1):42

Cause of red suya syndrome is food dye orange-RN [letter] Akinyanju OO, et al. **Lancet** 1983 Dec 3;2(8362):1314

Risks of fishermen's dyes [letter] Hinton AJ. **Lancet** 1984 May 26;1(8387):1179

Carcinogenic risks of fishermen's dyes [letter] Searle CE, et al. **Lancet** 1984 Mar 10;1(8376):563

[Tartrazine-induced asthma] Itoh T, et al. **Arerugi** 1983 Oct; 32(10):1005-9 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Thin-layer chromatography search for Disperse Yellow 3 and Disperse Orange 3 in 52 stockings and pantyhose. Berger C, et al. **Contact Dermatitis** 1984 Mar;10(3):154-7

Determination of azobenzene and hydrazobenzene in phenylbutazone and sulfinpyrazone products by high-performance liquid chromatography. Matsui F, et al. **J Pharm Sci** 1983 Oct;72(10):1223-4

Quantitative determination of conjugated and unconjugated bilirubin in bile by thin layer chromatography of their azoderivatives. Shinya F. **Tohoku J Exp Med** 1984 Jun; 143(2):249-51

BLOOD

Characterization of microenvironments of 2-(4'-hydroxyphenylazo)benzoic acid bound to bovine serum albumin by studying the solvent effects. Sakurai T, et al. **J Pharm Sci** 1984 Apr;73(4):507-12

CHEMICAL SYNTHESIS

Newer formazans and tetrazolium indoles as potential CNS-active agents. Sathi G, et al. **Arzneimittelforsch** 1983; 33(9):1218-21

DIAGNOSTIC USE

Localization of unesterified cholesterol in human atherosclerotic lesions. Demonstration of filipin-positive, oil-red-O-negative particles. Kruth HS. **Am J Pathol** 1984 Feb;114(2):201-8

The rate of Ca2+ translocation by sarcoplasmic reticulum (Ca2+ + Mg2+)-ATPase measured with intravesicular arsenazo III. Beeler T, et al. **Biochim Biophys Acta** 1984 Jun 13;773(1):99-105

Spectrophotometric assay for lipase in serum using a chromogenic substrate, Orange I laurate. Kamachi S, et al. **Chem Pharm Bull (Tokyo)** 1983 Aug;31(8):2732-6

The use of prontosil for the visualization of carbonic anhydrase bands in polyacrylamide gels. Application to the carbonic anhydrase isozymes of erythrocytes and white skeletal muscle of the rabbit. Siffert W, et al. **J Biochem Biophys Methods** 1983 Dec;8(4):331-8

Filipin-positive, oil red O-negative particles in atherosclerotic lesions induced by cholesterol feeding. Kruth HS. **Lab Invest** 1984 Jan;50(1):87-93

[Measurement of magnesium in the human sera with xylidyl-blue I. I. The effect of phosphate ion] Takubo Y, et al. **Rinsho Byori** 1983 Nov;31(11):1244-8 **(Jpn)**

[A modified dithizone method of blood granulocyte staining] Eshchenko VA, et al. **Lab Delo** 1983;(7):14-6 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Structural and serological analysis of cross-reactive idiotypes: comparison of heavy and light chain families of anti-arsonate antibodies. Alkan SS. **Ann Immunol (Paris)** 1984 Jan-Feb;135C(1):31-8

Analysis of the anti-azobenzenearsonate response at the molecular level. Gefter ML, et al. **Ann Immunol (Paris)** 1984 Jan-Feb;135C(1):17-30

Idiotypic manipulations in the arsonate system. Leo O, et al. **Ann Immunol (Paris)** 1984 Jan-Feb;135C(1):45-50
A serologic marker for the Ars-C family of anti-arsonate antibodies. Milner EC, et al. **Ann Immunol (Paris)** 1984 Jan-Feb;135C(1):11-6
Idiotype connection between anti-arsonate and anti-dinitrophenyl responses in BALB/c mice. Lewis GK, et al. **Ann NY Acad Sci** 1983;418:282-9
Structural correlates of idiotypy in the arsonate system. Margolies MN, et al. **Ann NY Acad Sci** 1983;418:48-64 (42 ref.)
Detection of phosphotyrosine-containing proteins in the detergent-insoluble fraction of RSV-transformed fibroblasts by azobenzene phosphonate antibodies. Comoglio PM, et al. **EMBO J** 1984 Mar;3(3):483-9
Hapten-specific help mediated by an anti-ABA T cell line. Kojima A, et al. **Int Arch Allergy Appl Immunol** 1983; 72(4):299-302
Crystallization of the fab fragments of monoclonal anti-p-azophenylarsonate antibodies and their complexes with haptens. Mariuzza RA, et al. **J Biol Chem** 1984 May 10;259(9):5954-8
Activation specificity of arsonate-reactive T cell clones. Structural requirements for hapten recognition and comparison with monoclonal antibodies. Rao A, et al. **J Exp Med** 1984 Feb 1;159(2):479-94
Idiotypic analysis of potential and available repertoires in the arsonate system. Slaoui M, et al. **J Exp Med** 1984 Jul 1;160(1):1-11
Amino acid sequence diversity within the family of antibodies bearing the major antiarsonate cross-reactive idiotype of the A strain mouse. Slaughter CA, et al. **J Exp Med** 1983 Nov 1;158(5):1615-34
Expression and regulation of two idiotype families and subsets within an idiotype family among BALB/c antibodies against p-azophenylarsonate. Brown AR. **J Immunol** 1984 Jun;132(6):2715-23
Molecular signals in antigen presentation. II. Activation of cytolytic cells in vitro after ultraviolet radiation or combined gamma and ultraviolet radiation treatment of antigen-presenting cells. Granstein RD, et al. **J Immunol** 1984 May;132(5):2210-7
Regulation of azophenylarsonate-specific repertoire expression. II. Fine specificity and isotype heterogeneity of anti-arsonate antibodies. Sigal NH. **J Immunol** 1983 Oct; 131(4):1889-94
Use of JH4 joining segment gene by an anti-arsonate antibody that bears the major A-strain cross-reactive idiotype but displays diminished antigen binding. Slaughter CA, et al. **J Immunol** 1984 Jun;132(6):3164-71
Selective activation by thymus-dependent antigens of distinct B cell subpopulations expressing a major cross-reactive idiotype. Woodland RT, et al. **J Immunol** 1984 Oct; 133(4):1801-10
A highly sensitive enzyme-linked immunosorbent assay for idiotype-bearing antibodies. Di Felice G, et al. **J Immunol Methods** 1984 Apr 13;69(1):51-9
Preliminary crystallographic study of the Fab fragment of a monoclonal anti-phenylarsonate antibody possessing a major idiotypic specificity [letter] Amit AG, et al. **J Mol Biol** 1983 Sep 15;169(2):637-8
Idiotypic relationships among anti-p-azophenylarsonate antibodies: shared public idiotopes among A-strain minor CRI and BALB/c CRIc. Brown AR. **Mol Immunol** 1984 Feb;21(2):109-18
Rapid and sensitive procedure for assigning idiotypic determinants to heavy or light chains: application to idiotopes associated with the major cross-reactive idiotype of A/J anti-phenylarsonate antibodies. Cannon LE, et al. **Mol Immunol** 1983 Dec;20(12):1283-8
Depletion of murine anti-azobenzenearsonate plaque-forming cells by derivatized polyacrylamide beads. Derbalian GP, et al. **Scand J Immunol** 1984 Apr; 19(4):343-51

METABOLISM

Proteolytic enzymes in adult male and female worms of Schistosoma mansoni. Cesari IM, et al. **Acta Cient Venez** 1981;32(4):324-9
Comparison of two bacterial azoreductases acquired during adaptation to growth on azo dyes. Zimmermann T, et al. **Arch Microbiol** 1984 May;138(1):37-43
Kinetics and mechanism of Ca2+ binding to arsenazo III and antipyrylazo III. Dorogi PL. **Biochim Biophys Acta** 1984 May 25;799(1):9-19
Non-alcohol dehydrogenase-mediated metabolism of methylazoxymethanol in the deer mouse, Peromyscus maniculatus. Fiala ES, et al. **Cancer Res** 1984 Jul; 44(7):2885-91
Role of interstitium in clearance of alveolar fluid in normal and injured lungs. Havill AM, et al. **J Appl Physiol** 1984 Jul;57(1):1-6
Metabolism of methylazoxymethanol acetate in the F344 rat and strain-2 guinea pig and its inhibition by pyrazole and disulfiram. Fiala ES, et al. **J Cancer Res Clin Oncol** 1984; 108(1):129-34
Relationship between azo dye structure and rat hepatic azoreductase activity. Shargel L, et al. **J Pharm Sci** 1984 Feb;73(2):161-4
Metabolism of benzidine-based dyes and the appearance of mutagenic metabolites in urine of rats after oral or intraperitoneal administration. Bos RP, et al. **Toxicology** 1984 Jun;31(3-4):271-82
Excretion and distribution of two occupational toxicants, tetrachloroazobenzene and tetrachloroazoxybenzene in the rat. Burant CF, et al. **Toxicology** 1984 Jan;29(3):243-50

PHARMACODYNAMICS

Copper ions and diamide induce a high affinity guanine-nucleotide-insensitive state for muscarinic agonists. Gurwitz D, et al. **Biochem Biophys Res Commun** 1984 Apr 16;120(1):271-7
Inhibitory effects of N-ethylmaleimide on insulin- and oxidant-stimulated sugar transport and on 125I-labelled insulin binding by rat soleus muscle. Kozka IJ, et al. **Biochim Biophys Acta** 1984 Feb 14;797(2):212-20
Alteration of rheological properties of human erythrocytes by crosslinking of membrane proteins. Maeda N, et al. **Biochim Biophys Acta** 1983 Oct 26;735(1):104-12
Differences in morphology and protein pattern of human blood platelets during irreversible and diamide mediated reversible aggregation. Hofmann B, et al. **Biomed Biochim Acta** 1983;42(5):489-501
Diamide mediated deaggregation of activated blood platelets is not caused by changes in adenine nucleotide pattern. Hofmann B, et al. **Biomed Biochim Acta** 1983;42(5):K13-9
Comparison of isotropic calcium signals from intact frog muscle fibers injected with Arsenazo III or Antipyrylazo III. Baylor SM, et al. **Biophys J** 1983 Oct;44(1):107-12
Loss of intrinsic striatal neurons after methylazoxymethanol acetate treatment in pregnant rats. Balduini W, et al. **Brain Res** 1984 Jul;317(1):133-6
Analogs that compete for antigen binding to an arsonate-reactive T-cell clone inhibit the functional response to arsonate. Rao A, et al. **Cell** 1984 Apr; 36(4):889-95
Binding of antigen in the absence of histocompatibility proteins by arsonate-reactive T-cell clones. Rao A, et al. **Cell** 1984 Apr;36(4):879-88
The effect of Sudan III on drug metabolizing enzymes. Fujita S, et al. **Chem Biol Interact** 1984 Feb;48(2):129-43
Effect of diamide administration on longevity, oxygen consumption, superoxide dismutase, catalase, inorganic peroxides and glutathione in the adult housefly, Musca domestica. Allen RG, et al. **Comp Biochem Physiol [C]** 1984;78(1):31-3
Use of 6-diazo-5-oxo-L-norleucine to study interaction between myocardial glycoconjugate secretion and endothelial activation in the early embryonic chick heart. Markwald RR, et al. **Dev Biol** 1983 Oct;99(2):395-407
The effect of tartrazine on histamine release from rat peritoneal mast cells. Safford RJ, et al. **Int J Immunopharmacol** 1984;6(3):233-40
Radiosensitization by diamide at low radiation doses. Ho K, et al. **Int J Radiat Oncol Biol Phys** 1984 Aug;10(8):1415-9
Effects of diamide on cyclic nucleotide levels in rat retina. Winkler BS, et al. **Invest Ophthalmol Vis Sci** 1984 Apr; 25(4):461-5
The effect of diamide and glutathione on the uptake of glucose by human erythrocytes. Leoncini G, et al. **Ital J Biochem** 1983 Mar-Apr;32(2):102-10
Generation of free radical metabolites and superoxide anion by the calcium indicators arsenazo III, antipyrylazo III, and murexide in rat liver microsomes. Docampo R, et al. **J Biol Chem** 1983 Dec 25;258(24):14920-5
Alterations of the intestinal microflora by diet, oral antibiotics, and Lactobacillus: decreased production of free amines from aromatic nitro compounds, azo dyes, and glucuronides. Goldin BR, et al. **JNCI** 1984 Sep; 73(3):689-95
Induction of hepatic glutathione transferase and suppression of 7,12-dimethylbenz[a]anthracene-induced chromosome aberrations in rat bone marrow cells by Sudan III and related azo dyes. Ito Y, et al. **JNCI** 1984 Jul;73(1):177-83
Effect of various levels of dietary butylated hydroxyanisole on methylazoxymethanol acetate-induced colon carcinogenesis in CF1 mice. Reddy BS, et al. **JNCI** 1983 Dec;71(6):1299-305
Mutagenicity of benzidine and benzidine-congener dyes and selected monoazo dyes in a modified Salmonella assay. Prival MJ, et al. **Mutat Res** 1984 Apr;136(1):33-47
Recovery of membrane potentials from diamide-induced depolarization in frog lens fibers. Taura T, et al. **Ophthalmic Res** 1983;15(6):307-13
Hyperactivity induced by prenatal administration of methylazoxymethanol: association with altered performance on conditioning tasks in rats. Cannon-Spoor HE, et al. **Pharmacol Biochem Behav** 1984 Feb;20(2):189-93
[Proliferation of poorly differentiated cells in the rat liver after a single injection of the hepatocarcinogen 4-dimethylaminoazobenzine and its noncarcinogenic analog] Medvedeva ND, et al. **Tsitologiia** 1983 Nov; 25(11):1333-5 (Eng. Abstr.) **(Rus)**

TOXICITY

Teratological studies on the TCDD congener 3,3',4,4'-tetrachloroazoxybenzene in sensitive and nonsensitive mouse strains: evidence for direct effect on embryonic tissues. Hassoun E, et al. **Arch Toxicol** 1984 Mar; 55(1):20-6
4-aminoazobenzene and N,N-dimethyl-4-aminoazobenzene as equipotent hepatic carcinogens in male C57BL/6 X C3H/He F1 mice and characterization of N-(Deoxyguanosin-8-yl)-4-aminoazobenzene as the major persistent hepatic DNA-bound dye in these mice. Delclos KB, et al. **Cancer Res** 1984 Jun;44(6):2540-50
Effects of inhibitors of DNA strand break repair on HeLa cell radiosensitivity. Ward JF, et al. **Cancer Res** 1984 Jan; 44(1):59-63
Spindle disturbances in mammalian cells. I. Changes in the quantity of free sulfhydryl groups in relation to survival and C-mitosis in V79 Chinese hamster cells after treatment with colcemid, diamide, carbaryl and methyl mercury. Onfelt A. **Chem Biol Interact** 1983 Sep 1;46(2):201-17
Review: putative mutagens and carcinogens in foods. V. Cycad azoxyglycosides. Hoffmann GR, et al. **Environ Mutagen** 1984;6(1):103-16 (105 ref.)
Evaluation of the genotoxicity of lac dye. Banerjee TS, et al. **Food Chem Toxicol** 1984 Aug;22(8):677-9
Mutagenicity studies of urine and faecal samples from rats treated orally with the food colourings Brown FK and Red 2G. Edwards CN, et al. **Food Chem Toxicol** 1984 Aug; 22(8):593-7
Tartrazine--a reinvestigation by in vivo cytogenetic methods [letter] Renner HW. **Food Chem Toxicol** 1984 Apr;22(4):327
Configurational changes in rat liver nuclear chromatin caused by azo dyes. Yoshimoto M, et al. **Food Chem Toxicol** 1984 May;22(5):337-44
Effect of neomycin on azoxymethane-induced colon carcinogenesis in F344 rats. Reddy BS, et al. **JNCI** 1984 Jul;73(1):275-9
Induction of unscheduled DNA synthesis in primary rat hepatocytes by benzidine-congener-derived azo dyes in the in vitro and in vivo/in vitro assays. Joachim F, et al. **Mutat Res** 1984 May;136(2):147-52
Comparison of 7 azo dyes and their azo reduction products in the rat and hamster hepatocyte primary culture/DNA-repair assays. Kornbrust DJ, et al. **Mutat Res** 1984 Jun;136(3):255-66
Factors influencing methylazoxymethanol acetate initiation of liver tumors in Oryzias latipes: carcinogen dosage and time of exposure. Aoki K, et al. **Natl Cancer Inst Monogr** 1984 May;65:345-51
Effect of age and exposure to a carcinogen on the structure of the medaka liver: a morphometric study. Hinton DE, et al. **Natl Cancer Inst Monogr** 1984 May;65:239-49
Teratogenicity of TCDD and the congener 3,3',4,4'-tetrachloroazoxybenzene in sensitive and nonsensitive mouse strains after reciprocal blastocyst transfer. D'Argy R, et al. **Toxicol Lett** 1984 May; 21(2):197-202
Developmental toxicity and psychotoxicity of FD and C red dye No. 40 (allura red AC) in rats. Vorhees CV, et al. **Toxicology** 1983;28(3):207-17
[Damaging action of dithizone on insulin-releasing cells] Toroptsev IV, et al. **Biull Eksp Biol Med** 1983 Sep; 96(9):23-5 (Eng. Abstr.) **(Rus)**
[Experimental study of the blastomogenic properties of the disperse dye fast yellow 4K] Kuz'menko NM, et al. **Gig Sanit** 1983 Jul;(7):6-8 (Eng. Abstr.) **(Rus)**
[Mutagenic and carcinogenic activity of the pigment orange Zh] Pylev LN, et al. **Gig Tr Prof Zabol** 1983 Oct;(10):52-3 **(Rus)**
[Mutagenic effect of the food-coloring agents tartrazine and indigo carmine] Karpliuk IA, et al. **Vopr Pitan** 1984 Mar-Apr;(2):58-61 (Eng. Abstr.) **(Rus)**

P-AZOBENZENEARSONATE see under **AZO COMPOUNDS**

AZOCINES

CHEMICAL SYNTHESIS

Bicyclic lactam inhibitors of angiotensin converting enzyme. Watthey JW, et al. **J Med Chem** 1984 Jun;27(6):816-8
[Synthesis of phenhomazine derivatives] Wang CY, et al. **Yao Hsueh Hsueh Pao** 1983 Oct;18(10):746-51 (Eng. Abstr.) **(Chi)**

PHARMACODYNAMICS

Multiple opioid receptor profile in vitro and activity in vivo of the potent opioid antagonist Win 44,441-3. Ward SJ, et al. **Life Sci** 1983;33 Suppl 1:303-6
Electrophysiological profile of the antiarrhythmic compound asocainol studied on perfused guinea-pig hearts and on isolated cardiac preparations. Langenfeld H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Jun; 326(2):155-62

THERAPEUTIC USE

Effect of 5-2',5'-dimethyl-phenyl-6-oxa-1-azabicyclo[3,3,0]octane on adjuvant induced disease. Hadjipetrou-Kourounakis L, et al. **Pharm Acta Helv** 1983;58(9-10):256-8

AZOFERREDOXIN see under **FERREDOXINS**

AZOLES

Modification of thiol groups of Jack bean urease with diazonium-1H-tetrazole. Sakaguchi K, et al. **J Biochem (Tokyo)** 1984 Feb;95(2):535-41

ADVERSE EFFECTS

Occupational asthma, rhinitis, and dermatitis due to tetrazene in a detonator manufacturer. Burge PS, et al. **Thorax** 1984 Jun;39(6):470–1

[Strategy for the prevention of fungal infections. In immuno-suppressed patients no combination of azoles and polyenes] Ruppin H. **Fortschr Med** 1984 May 3;102(17):489 **(Ger)**

CHEMICAL SYNTHESIS

Tetrazole analogues of ibuprofen and flurbiprofen. Valenti P, et al. **Arch Pharm (Weinheim)** 1983 Sep;316(9):752–5

Fifteen years of structural modifications in the field of antifungal monocyclic 1-substituted 1H-azoles. Zirngibl L. **Prog Drug Res** 1983;27:253–383 (774 ref.)

[Synthesis of 5-(3-aryloxypropyl)-1-cyclohexyltetrazoles and their inhibition of blood platelet aggregation] Tanaka T, et al. **Yakugaku Zasshi** 1984 Feb;104(2):152–6 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Interactions of pentamethylenetetrazole and tetrazole analogues with the picrotoxinin site of the benzodiazepine-GABA receptor-ionophore complex. Ramanjaneyulu R, et al. **Eur J Pharmacol** 1984 Mar 2; 98(3–4):337–45

Latamoxef, its side chain, and coagulation [letter] Black HR, et al. **Lancet** 1983 Nov 5;2(8358):1090

Mechanism of the inhibition of the gamma-carboxylation of glutamic acid by N-methylthiotetrazole-containing antibiotics. Lipsky JJ. **Proc Natl Acad Sci USA** 1984 May; 81(9):2893–7

The effects of 1-methyl-5-thiotetrazole in a rat liver vitamin K-dependent carboxylase assay. Smith GF, et al. **Thromb Res** 1984 Mar 15;33(6):633–44

TOXICITY

Production of hypoprothrombinemia by moxalactam and 1-methyl-5-thiotetrazole in rats. Lipsky JJ, et al. **Antimicrob Agents Chemother** 1984 Mar;25(3):380–1

AZOMONAS see **AZOTOBACTERACEAE**

AZOOSPERMIA see **OLIGOSPERMIA**

AZOTEMIA see **UREMIA**

AZOTOBACTER

ANALYSIS

The amino acid sequence of the dihaem cytochrome c4 from the bacterium Azotobacter vinelandii. Ambler RP, et al. **Biochem J** 1984 Aug 15;222(1):217–27

Resonance Raman spectroscopy of Azotobacter vinelandii ferredoxin I. Vibrational features of the [3Fe-3S] cluster. Lutz M, et al. **FEBS Lett** 1983 Nov 14;163(2):212–6

An improved purification procedure and apoprotein preparation for the flavodoxin from Azotobacter vinelandii. Carlson R, et al. **Prep Biochem** 1983;13(5):489–505

DRUG EFFECTS

Toxicity of dicamba (2-methoxy-3,6-dichlorobenzoic acid) to Azotobacter vinelandii. Gonzalez-Lopez J, et al. **Folia Microbiol (Praha)** 1984;29(2):127–30

ENZYMOLOGY

Interaction of nitrogenase with nucleotide analogs of ATP and ADP and the effect of metal ions on ADP inhibition. Weston MF, et al. **Arch Biochem Biophys** 1983 Sep; 225(2):809–17

Localization and activities of nitrogenase, glutamine synthetase and glutamate synthase in Azotobacter vinelandii grown in oxygen-controlled continuous culture. Röckel D, et al. **Arch Microbiol** 1983 Oct;136(1):74–8

Reactions with the oxidized iron protein of Azotobacter vinelandii nitrogenase: formation of a 2Fe center. Anderson GL, et al. **Biochemistry** 1984 May 8;23(10):2118–22

Influence of pN2 and pD2 on HD formation by various nitrogenases. Li JL, et al. **Biochemistry** 1983 Sep 13; 22(19):4472–80

The size of the pyruvate dehydrogenase complex of Azotobacter vinelandii. Association phenomena. Bosma HJ, et al. **Eur J Biochem** 1984 Apr 16;140(2):273–80

The composition of the pyruvate dehydrogenase complex from Azotobacter vinelandii. Does a unifying model exist for the complexes from gram-negative bacteria? Bosma HJ, et al. **Eur J Biochem** 1984 Aug 1;142(3):541–9

Respiratory mutants of Azotobacter vinelandii with elevated levels of cytochrome d. McInerney MJ, et al. **Eur J Biochem** 1984 Jun 15;141(3):447–52

On the formation of an oxygen-tolerant three-component nitrogenase complex from Azotobacter vinelandii. Scherings G, et al. **Eur J Biochem** 1983 Oct 3;135(3):591–9

Structure of the Mo-Fe protein component of Azotobacter vinelandii nitrogenase. Analytical ultracentrifugation and electron microscopy studies. Voordouw G, et al. **Eur J Biochem** 1983 Nov 2;136(2):397–401

Inhibition of nitrogenase activity by ammonium chloride in Azotobacter vinelandii. Klugkist J, et al. **J Bacteriol** 1984 Jan;157(1):148–51

Purification and properties of membrane-bound hydrogenase from Azotobacter vinelandii. Kow YW, et al. **J Bacteriol** 1984 Aug;159(2):564–9

Thiol reactivity of the nitrogenase Fe-protein from Azotobacter vinelandii. Hausinger RP, et al. **J Biol Chem** 1983 Nov 25;258(22):13486–92

Crystallization of the Azotobacter vinelandii nitrogenase iron protein. Rees DC, et al. **J Biol Chem** 1983 Oct 25; 258(20):12733–4

H2-uptake activity of the MoFe protein component of Azotobacter vinelandii nitrogenase. Wang ZC, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(2):376–9

[The study of the chemical composition of nitrogenase Fe-Mo-cofactor by a new fluorimetric method of thiocompound analysis] Syrtsova LA, et al. **Biokhimiia** 1983 Jul;48(7):1195–202 (Eng. Abstr.) **(Rus)**

GENETICS

Construction of a gene library from the nitrogen-fixing aerobe Azotobacter vinelandii. Medhora M, et al. **Gene** 1983 Nov;25(2–3):355–60

D-(-)-poly-beta-hydroxybutyrate in membranes of genetically competent bacteria. Reusch RN, et al. **J Bacteriol** 1983 Nov;156(2):778–88

Genome size and complexity in Azotobacter chroococcum. Robson RL, et al. **J Gen Microbiol** 1984 Jul;130 (Pt 7):1603–12

[Detection of extrachromosomal DNA in Azotobacter chroococcum strains] Skriabin GK, et al. **Dokl Akad Nauk SSSR** 1983;272(4):975–7 **(Rus)**

GROWTH & DEVELOPMENT

Continuous culture of Azotobacter vinelandii and Candida lipolytica in artificial seawater. Burkhardt-Maturin R, et al. **Microbiol Immunol** 1983;27(6):547–50

METABOLISM

A filtration method for measuring cellular uptake of [14C]methylamine and other highly permeant solutes. Jayakumar A, et al. **Anal Biochem** 1983 Dec;135(2):475–8

The thermodynamics of flavin binding to the apoflavodoxin from Azotobacter vinelandii. Carlson R, et al. **Arch Biochem Biophys** 1984 Mar;229(2):440–7

The role of glutamine in regulation of ammonium transport in Azotobacter vinelandii. Jayakumar A, et al. **Arch Biochem Biophys** 1984 May 15;231(1):95–101

Characterization of three iron ferredoxins by microwave power saturation. Bertrand P, et al. **Biochimie** 1984 Feb; 66(2):77–9

Role of glutamine synthetase in the uptake and metabolism of methylammonium by Azotobacter vinelandii. Barnes EM Jr, et al. **J Bacteriol** 1983 Nov;156(2):752–7

Siderophore-mediated uptake of iron in Azotobacter vinelandii. Knosp O, et al. **J Bacteriol** 1984 Jul;159(1):341–7

Incorporation of isotope from specifically labeled glucose into alginates of Pseudomonas aeruginosa and Azotobacter vinelandii. Lynn AR, et al. **J Bacteriol** 1984 Jun; 158(3):1161–2

Derepression of the Azotobacter vinelandii siderophore system, using iron-containing minerals to limit iron repletion. Page WJ, et al. **J Bacteriol** 1984 May; 158(2):496–502

Protein turnover in Azotobacter vinelandii during encystment and germination. Ruppen ME, et al. **J Bacteriol** 1983 Dec;156(3):1243–8

Hydrogen-oxidizing electron transport components in nitrogen-fixing Azotobacter vinelandii. Wong TY, et al. **J Bacteriol** 1984 Jul;159(1):348–52

Spectroscopic studies of ferricyanide oxidation of Azotobacter vinelandii ferredoxin I. Morgan TV, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(7):1931–5

ULTRASTRUCTURE

Regular surface layer of Azotobacter vinelandii. Bingle WH, et al. **J Bacteriol** 1984 Jul;159(1):251–9

AZOTOBACTERACEAE

ENZYMOLOGY

Bacterial oxidation of the polycyclic aromatic hydrocarbons acenaphthene and acenaphthylene. Schocken MJ, et al. **Appl Environ Microbiol** 1984 Jul;48(1):10–6

Influence of pN2 and pD2 on HD formation by various nitrogenases. Li JL, et al. **Biochemistry** 1983 Sep 13; 22(19):4472–80

AZOTOMYCIN see under **AZO COMPOUNDS**

AZOXYMETHANE see under **AZO COMPOUNDS**

AZURE STAINS see under **PHENOTHIAZINES**

AZURIN see under **BACTERIAL PROTEINS**

AZYGOS VEIN

Direct azygos vein and superior vena cava cannulation for parenteral nutrition. Malt RA, et al. **JPEN** 1983 Nov-Dec; 7(6):580–1

ABNORMALITIES

Atypical polysplenia only with absence of the hepatic segment of inferior vena cava in a middle-aged. Miyabara S, et al. **Acta Pathol Jpn** 1984 Jan;34(1):111–6

Azygos continuation of the inferior vena cava: demonstration by NMR imaging. Schultz CL, et al. **J Comput Assist Tomogr** 1984 Aug;8(4):774–6

Two-dimensional and Dopple rechocardiographic identification of infrahepatic interruption of inferior vena cava with azygos continuation. Suthar AL, et al. **PACE** 1983 Sep;6(5 Pt 1):963–71

Angiography of azygos continuation of inferior vena cava in situs ambiguus with left isomerism (polysplenia syndrome). Roguin N, et al. **Pediatr Radiol** 1984; 14(2):109–12

Huge arteriovenous malformation in the mediastinum. Clinical presentation and surgical management. Lunde P, et al. **Scand J Thorac Cardiovasc Surg** 1984;18(1):75–80

[Coarctation of the aorta with abnormal systemic venous return] Belhaj M, et al. **Chirurgie** 1983;109(7):616–8 (Eng. Abstr.) **(Fre)**

INJURIES

Combined azygous vein and subclavian artery injury in blunt chest trauma. Baldwin JC, et al. **J Trauma** 1984 Feb; 24(2):170–1

Penetrating injuries of the heart and the great vessels. Slim M, et al. **Middle East J Anaesthesiol** 1983 Feb-Jun; 7(1-2):99–104

PHYSIOLOGY

Measurement of azygos venous blood flow by a continuous thermal dilution technique: an index of blood flow through gastroesophageal collaterals in cirrhosis. Bosch J, et al. **Hepatology** 1984 May-Jun;4(3):424–9

PHYSIOPATHOLOGY

[Evaluation of the blood flow of superior portacaval anastomoses by the measurement of azygos blood flow in patients with alcoholic cirrhosis] Braillon A, et al. **Gastroenterol Clin Biol** 1984 Jan;8(1):47–51 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

The vascular pedicle of the heart and the vena azygos. Part I: The normal subject. Milne EN, et al. **Radiology** 1984 Jul;152(1):1–8

The vascular pedicle and the vena azygos. Part III: In trauma—the 'vanishing' azygos. Milne EN, et al. **Radiology** 1984 Oct;153(1):25–31

The vascular pedicle of the heart and the vena azygos. Part II: Acquired heart disease. Pistolesi M, et al. **Radiology** 1984 Jul;152(1):9–17

[Retrograde azygography] Makino T, et al. **Rinsho Hoshasen** 1983 Oct;28(11 Suppl):1201–6 **(Jpn)**

SURGERY

Mortality and rebleeding after hypertensive variceal disconnections. VanBeek DF, et al. **Arch Surg** 1984 Apr; 119(4):446–9

[Results of elective portazygos disconnection procedure on portal hypertension] Peng DS. **Chung Hua Wai Ko Tsa Chih** 1983 Apr;21(4):204–5 **(Chi)**

[Surgiura's technic for the treatment of esophageal varices (azygos-portal disconnection] Larach JR, et al. **Rev Med Chil** 1983 Jan;111(1):46–9 (Eng. Abstr.) **(Spa)**

B FIBERS see **AUTONOMIC FIBERS, PREGANGLIONIC**

BABESIA

CYTOLOGY

Studies on babesia first found in murine in Japan: epidemiology, morphology and experimental infection. Shiota T, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 Mar;256(3):347–55

DRUG EFFECTS

Evaluation of a range of antimicrobial agents against the parasitic protozoa, Plasmodium falciparum, Babesia rodhaini and Theileria parva in vitro. McColm AA, et al. **Ann Trop Med Parasitol** 1984 Aug;78(4):345–54

The effect of chemotherapy on Babesia bigemina in the tick vector Boophilus microplus. de Vos AJ, et al. **Int J Parasitol** 1984 Jun;14(3):249–52

ENZYMOLOGY

Ultrastructural localization of enzymes involved in the feeding process in Plasmodium chabaudi and Babesia hylomysci. Slomianny C, et al. **J Protozool** 1983 May; 30(2):376–82

The characterisation of an esterase derived from Babesia bovis and its use as a vaccine. Wright IG, et al. **Z Parasitenkd** 1983;69(6):703–14

GENETICS

Genes of the protozoan parasite Babesia bovis that rearrange to produce RNA species with different sequences. Cowman AF, et al. **Cell** 1984 Jun;37(2):653–60

DNA polymorphisms and subpopulations in Babesia bovis. Cowman AF, et al. **Mol Biochem Parasitol** 1984 Apr; 11:91–103

Accurate transcription of a cloned gene from Babesia bovis in Saccharomyces cerevisiae. Kemp DJ, et al. **Mol Biochem Parasitol** 1984 May;12(1):61–7

GROWTH & DEVELOPMENT

Cloning of Babesia bovis by in vitro cultivation. Rodriguez SD, et al. **Infect Immun** 1983 Oct;42(1):15–8

Ultrastructural study on the development of Babesia equi (Coccidia: Piroplasmia) in the salivary glands of its vector ticks. Moltmann UG, et al. **J Protozool** 1983 May; 30(2):218–25

Babesia divergens in splenectomised rats. Phillips RS. **Res Vet Sci** 1984 Mar;36(2):251–5

IMMUNOLOGY

Cell culture–derived Babesia bovis vaccine: sequential challenge exposure of protective immunity during a 6–month postvaccination period. Kuttler KL, et al. **Am J Vet Res** 1983 Aug;44(8):1456–9

Comparison of tick and blood challenge for assessing immunity to Babesia bovis. Timms P, et al. **Aust Vet J** 1983 Aug;60(8):257–9

Babesial antigens in a saline eluate of sucrose washed bovine erythrocytes infected with Babesia bovis. Goodger BV, et al. **Experientia** 1983 Dec 15;39(12):1392–3

Serological response of cattle to infection with Babesia bigemina and Babesia bovis in southern Africa. Bessenger R, et al. **Onderstepoort J Vet Res** 1983 Jun;50(2):115–7

Immunity to Babesia in mice. II. Cross protection between various Babesia and Plasmodium species and its relevance to the nature of Babesia immunity. Zivkovic D, et al. **Vet Immunol Immunopathol** 1984 Mar;5(4):359–68

The role of specific immunoglobulins in antibody–dependent cell–mediated cytotoxicity assays during Babesia bovis infection. Goff WL, et al. **Vet Parasitol** 1984 Mar; 14(2):117–28

An update of the isolation and characterization of culture–derived soluble antigens of Babesia bovis. James MA. **Vet Parasitol** 1984 Jun;14(3–4):231–7 (19 ref.)

Localization of culture–derived soluble Babesia bovis antigens in the infected erythrocyte. Montenegro–James S, et al. **Vet Parasitol** 1983 Nov;13(4):311–6

Babesia bovis: vaccination of cattle against heterologous challenge with fractions of lysate from infected erythrocytes. Goodger BV, et al. **Z Parasitenkd** 1984; 70(3):321–9

The lysate from bovine erythrocytes infected with Babesia bovis. Analysis of antigens and a report on their immunogenicity when polymerized with glutaraldehyde. Goodger BV, et al. **Z Parasitenkd** 1983;69(4):473–82

[Serum antibody levels and the course of anemia–parasitemia in dogs inoculated with Babesia gibsoni] Ogitani T, et al. **Nippon Saikingaku Zasshi** 1983 Jul;38(4):687–93 (Eng. Abstr.) **(Jpn)**

ISOLATION & PURIFICATION

The use of tick transmission by Boophilus microplus to isolate pure strains of Babesia bovis, Babesia bigemina and Anaplasma marginale from cattle with mixed infections. Dalgliesh RJ, et al. **Vet Parasitol** 1983 Nov;13(4):317–23

[Distribution of Piroplasma and Anaplasma marginale in calves in Burundi] Schlichting H, et al. **Ann Soc Belg Med Trop** 1983 Sep;63(3):259–66 (Eng. Abstr.) **(Fre)**

METABOLISM

Metabolism of Babesia parasites in vitro. Change in adenylate energy charge and infectivity of Babesia rodhaini–infected erythrocytes. Barry DN. **Aust J Exp Biol Med Sci** 1984 Feb;62 (Pt 1):63–71

Metabolism of Babesia parasites in vitro. Glucose and energy metabolism of B. bovis. Barry DN. **Aust J Exp Biol Med Sci** 1984 Feb;62 (Pt 1):53–61

PATHOGENICITY

Babesia bovis: proteins of virulent and avirulent parasites passaged through ticks and splenectomized or intact calves. Kahl LP, et al. **Exp Parasitol** 1983 Oct;56(2):222–35

Pathogenicity of Eperythrozoon suis alone and when mixed with Babesia trautmanni in experimentally–infected pigs. Dipeolu OO, et al. **Vet Parasitol** 1983 Sep;13(2):127–34

PHYSIOLOGY

Influence of infective dose, degree of host anaemia and multiparasitism of erythrocytes on Babesia microti and Babesia hylomysci parasitaemias in mice. Gray GD, et al. **Int J Parasitol** 1983 Aug;13(4):399–404

The interaction of Babesia caballi kinetes with tick cells. Kurtti TJ, et al. **J Invertebr Pathol** 1983 Nov;42(3):334–43

Invasion of Babesia microti into epithelial cells of the tick gut. Rudzinska MA, et al. **J Protozool** 1983 May; 30(2):338–46

BABESIASIS see **BABESIOSIS**

BABESIOSIS

[Human babesiosis] Daoudal P, et al. **Schweiz Rundsch Med Prax** 1984 Mar 20;73(12):371–3 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Pathogenicity of Eperythrozoon suis alone and when mixed with Babesia trautmanni in experimentally–infected pigs. Dipeolu OO, et al. **Vet Parasitol** 1983 Sep;13(2):127–34

DIAGNOSIS

Babesiosis in pregnancy. Raucher HS, et al. **Obstet Gynecol** 1984 Mar;63(3 Suppl):7S–9S

Self–limited babesiosis in a splenectomized child. Mathewson HO, et al. **Pediatr Infect Dis** 1984 Mar–Apr;3(2):148–9

[Babesiasis, pediatric malaria: does confusion exist in Africa?] Vermeil C, et al. **Bull Soc Pathol Exot Filiales** 1983 Dec; 76(5 Pt 2):797–804 (Eng. Abstr.) **(Fre)**

[Asymptomatic babesiosis in a Polish immigrant with an imbalance in T subpopulations (letter)] Woessner S, et al. **Med Clin (Barc)** 1984 Feb 18;82(6):284 **(Spa)**

DRUG THERAPY

Babesia microti infection in the hamster: failure of quinine and pyrimethamine in chemotherapeutic trials. Marcus LC, et al. **Am J Trop Med Hyg** 1984 Jan;33(1):21–3

A comparison of the efficacy of isometamidium, amicarbalide and diminazene against Babesia canis in dogs and the effect on subsequent immunity. Stewart CG. **J S Afr Vet Assoc** 1983 Mar;54(1):47–51

Treatment and thrombocyte levels in experimentally induced canine ehrlichiosis and canine babesiosis. Van Heerden J, et al. **Onderstepoort J Vet Res** 1983 Dec;50(4):267–70

Chemotherapy of Babesia divergens in the gerbil, Meriones unguiculatus. Gray JS. **Res Vet Sci** 1983 Nov;35(3):318–24

ENZYMOLOGY

Serum carboxypeptidase B levels during acute and mild Babesia divergens infections of adult cattle. Taylor SM, et al. **Res Vet Sci** 1983 Nov;35(3):370–1

IMMUNOLOGY

Babesiosis in splenectomized adults. Review of 22 reported cases. Rosner F, et al. **Am J Med** 1984 Apr;76(4):696–701 (54 ref.)

Cell culture–derived Babesia bovis vaccine: sequential challenge exposure of protective immunity during a 6–month postvaccination period. Kuttler KL, et al. **Am J Vet Res** 1983 Aug;44(8):1456–9

Comparison of tick and blood challenge for assessing immunity to Babesia bovis. Timms P, et al. **Aust Vet J** 1983 Aug;60(8):257–9

Cellular immunity to malaria and babesia parasites: a personal viewpoint. Allison AC. **Contemp Top Immunobiol** 1984; 12:463–90 (122 ref.)

Babesia hylomysci and Babesia microti: dexamethasone treatment of infected mice. Hussein HS. **Exp Parasitol** 1984 Apr;57(2):165–71

Babesial antigens in a saline eluate of sucrose washed bovine erythrocytes infected with Babesia bovis. Goodger BV, et al. **Experientia** 1983 Dec 15;39(12):1392–3

Anemia and thrombocytopenia from Corynebacterium parvum–stimulated resistance against malaria, trypanosomiasis, and babesiosis. Cox HW, et al. **J Parasitol** 1983 Aug;69(4):654–9

Malaria and babesiosis [news] Cox FE. **Nature** 1983 Nov 10–16;306(5939):114–5

Immune responses to Babesia rodhaini in rats. Han SS. **Nippon Juigaku Zasshi** 1984 Apr;46(2):197–201

Serological response of cattle to infection with Babesia bigemina and Babesia bovis in southern Africa. Bessenger R, et al. **Onderstepoort J Vet Res** 1983 Jun;50(2):115–7

Immunity to Babesia in mice. I. Adoptive transfer of immunity to Babesia rodhaini with immune spleen cells and the effect of irradiation on the protection of immune mice. Zivkovic D, et al. **Vet Immunol Immunopathol** 1984 Mar;5(4):343–57

Immunity to Babesia in mice. II. Cross protection between various Babesia and Plasmodium species and its relevance to the nature of Babesia immunity. Zivkovic D, et al. **Vet Immunol Immunopathol** 1984 Mar;5(4):359–68

The role of specific immunoglobulins in antibody–dependent cell–mediated cytotoxicity assays during Babesia bovis infection. Goff WL, et al. **Vet Parasitol** 1984 Mar; 14(2):117–28

Localization of culture–derived soluble Babesia bovis antigens in the infected erythrocyte. Montenegro–James S, et al. **Vet Parasitol** 1983 Nov;13(4):311–6

The characterisation of an esterase derived from Babesia bovis and its use as a vaccine. Wright IG, et al. **Z Parasitenkd** 1983;69(6):703–14

Cell–mediated immune response to Babesia equi–transformed lymphoblastoid cells in vitro. Zweygarth E, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Apr; 254(2):281–9

[Serum antibody levels and the course of anemia–parasitemia in dogs inoculated with Babesia gibsoni] Ogitani T, et al. **Nippon Saikingaku Zasshi** 1983 Jul;38(4):687–93 (Eng. Abstr.) **(Jpn)**

OCCURRENCE

Spirochetes in Ixodes dammini and Babesia microti on Prudence Island, Rhode Island. Anderson JF, et al. **J Infect Dis** 1983 Dec;148(6):1124

Prevalence of clinical babesiosis in an area in north Co Meath, Ireland. Gray JS, et al. **Vet Rec** 1983 Dec 3;113(23):537–9

Studies on babesia first found in murine in Japan: epidemiology, morphology and experimental infection. Shiota T, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 Mar;256(3):347–55

[An outbreak of babesiosis in Eastern Flevoland] Schreuder BE, et al. **Tijdschr Diergeneeskd** 1984 Jul 1;109(13):549–53 (Eng. Abstr.) **(Dut)**

PARASITOLOGY

Influence of infective dose, degree of host anaemia and multiparasitism of erythrocytes on Babesia microti and Babesia hylomysci parasitaemias in mice. Gray GD, et al. **Int J Parasitol** 1983 Aug;13(4):399–404

Babesia divergens in splenectomised rats. Phillips RS. **Res Vet Sci** 1984 Mar;36(2):251–5

[Existence of tropical babesiasis caused by Babesia bovis in Guadeloupe (French Antilles)] Barré N, et al. **Rev Elev Med Vet Pays Trop** 1983;36(3):259–60 (Eng. Abstr.) **(Fre)**

[Babesiosis (editorial)] Corachán M. **Med Clin (Barc)** 1984 Feb 18;82(6):256–8 **(Spa)**

PATHOLOGY

Cytauxzoonosis in domestic cats: report of two cases in Oklahoma, with a review and discussion of the disease. Glenn BL, et al. **J Am Vet Med Assoc** 1984 Apr 1; 184(7):822–5

PHYSIOPATHOLOGY

The effect of age on the infection and immunoresponsiveness of mice to Babesia microti. Habicht GS, et al. **Mech Ageing Dev** 1983 Nov–Dec;23(3–4):357–69

Macrophages from Babesia and malaria infected mice are primed for monokine release. Wood PR, et al. **Parasite Immunol** 1984 Jul;6(4):309–17

PREVENTION & CONTROL

Vaccines against malaria and babesiosis [editorial] **Lancet** 1983 Nov 26;2(8361):1232–3

Chemoprophylaxis with diminazene aceturate in experimental Babesia bigemina infection in cattle. Sharma SP, et al. **Res Vet Sci** 1984 Jul;37(1):126–7

Development of a Babesia rodhaini mouse assay for quality control of the serum component of a bovine babesiosis vaccine. Timms P, et al. **Res Vet Sci** 1983 Nov;35(3):331–3

Babesia bovis: vaccination of cattle against heterologous challenge with fractions of lysate from infected erythrocytes. Goodger BV, et al. **Z Parasitenkd** 1984; 70(3):321–9

The lysate from bovine erythrocytes infected with Babesia bovis. Analysis of antigens and a report on their immunogenicity when polymerized with glutaraldehyde. Goodger BV, et al. **Z Parasitenkd** 1983;69(4):473–82

VETERINARY

[Incidence of canine piroplasmosis (Babesia canis) in New Caledonia] Desoutter D, et al. **Rev Elev Med Vet Pays Trop** 1983;36(2):157 **(Fre)**

BABINSKI REFLEX see under **REFLEX, ABNORMAL**

BABOON see **PAPIO**

BACILLUS

Tyzzer's disease in snow leopards. Schmidt RE, et al. **J Comp Pathol** 1984 Jan;94(1):165–7

Insecticidal activity of the crystalline parasporal inclusions and other components of the Bacillus sphaericus 1593 spore complex. Payne JM, et al. **J Invertebr Pathol** 1984 May; 43(3):383–8

The comparative persistence of toxicity of Bacillus sphaericus strain 1593 and Bacillus thuringiensis serotype H–14 against mosquito larvae in different kinds of environments. Silapanuntakul S, et al. **J Invertebr Pathol** 1983 Nov; 42(3):387–92

ANALYSIS

Immunofluorescence analysis of bacillus spores and vegetative cells by flow cytometry. Phillips AP, et al. **Cytometry** 1983 Sep;4(2):123–31

Generation of leukotrienes from human granulocytes by alveolysin from Bacillus alvei. Bremm KD, et al. **Infect Immun** 1984 Apr;44(1):188–93

N–acetylmannosaminyl(1——4)N–acetylglucosamine, a linkage unit between glycerol teichoic acid and peptidoglycan in cell walls of several Bacillus strains. Kaya S, et al. **J Bacteriol** 1984 Jun;158(3):990–6

[Isolation and chemical characterization of a regularly arrayed macromolecular structure in the cell wall of

Bacillus aneurinolyticus (Kumura et Aoyama)] Abe M, et al. **Nippon Saikingaku Zasshi** 1983 Jul;38(4):695–701 (Eng. Abstr.) **(Jpn)**

CLASSIFICATION

Bacillus polymyxa bacteriophages from Brazilian soils. Seldin L, et al. **Antonie Van Leeuwenhoek** 1984;50(1):39–51

Differentiation of Bacillus anthracis and other Bacillus species by lectins. Cole HB, et al. **J Clin Microbiol** 1984 Jan;19(1):48–53

Identification of Bacillus strains using the API system. Logan NA, et al. **J Gen Microbiol** 1984 Jul;130 (Pt 7):1871–82

Curie-point pyrolysis mass spectrometry applied to characterization and identification of selected Bacillus species. Shute LA, et al. **J Gen Microbiol** 1984 Feb;130 (Pt 2):343–55

[Taxonomy of Bacillus circulans] Pichinoty F, et al. **Ann Microbiol (Paris)** 1983 Sep-Oct;134(2):353–6 (ng. Abstr.) (Fre)

DRUG EFFECTS

[Effect of certain factors on the growth of bacteria contaminating hydrolysis yeast production and of yeasts assimilating and not assimilating methanol] Kostov V, et al. **Acta Microbiol Bulg** 1983;13:46–55 (Eng. Abstr.) **(Bul)**

[Effect of chemotherapy on certain species of the Cohn Bacillus] Tamer AU, et al. **Mikrobiyol Bul** 1984 Apr; 18(2):119–22 (Eng. Abstr.) **(Tur)**

ENZYMOLOGY

Partial purification and properties of thermostable intracellular amylases from a thermophilic Bacillus sp. AK-2. Srivastava RA, et al. **Acta Microbiol Pol** 1984; 33(1):57–66

Alginase enzyme production by Bacillus circulans. Hansen JB, et al. **Appl Environ Microbiol** 1984 Apr;47(4):704–9

Characterization of the cellulolytic activity of a Bacillus isolate. Robson LM, et al. **Appl Environ Microbiol** 1984 May;47(5):1039–46

Conformational studies on the inactivation of glyceraldehyde-3-phosphate dehydrogenase from the facultative thermophile Bacillus coagulans KU. McLinden JH, et al. **Arch Biochem Biophys** 1984 Aug 15; 233(1):299–309

Influence of heat and sodium dodecyl sulfate on the endopeptidase I from Bacillus sphaericus 9602. Garnier M, et al. **Biochem Biophys Res Commun** 1984 Apr 30; 120(2):448–53

Enzyme-activated inhibition of bacterial D-amino acid transaminase by beta-cyano-D-alanine. Ueno H, et al. **Biochem Biophys Res Commun** 1984 Jul 31;122(2):485–91

Substrate specificity of a new alkaline elastase from an alkalophilic bacillus. Tsai YC, et al. **Biochem Int** 1984 Feb; 8(2):283–8

Competitive inhibition of the inverting beta-xylosidase of Bacillus pumilus 12 by monosaccharide derivatives of different structural and conformational types. A possible natural substrate. Marshall PJ, et al. **Biochem J** 1983 Oct 1;215(1):67–74

L-tryptophan 2,3-dioxygenase of a moderate thermophile, Bacillus brevis. Purification, properties and a substrate-mediated stabilization of the quaternary structure. Matsumura M, et al. **Biochim Biophys Acta** 1984 Apr 27; 786(1-2):9–17

The use of mannan-Sepharose 4B affinity chromatography for the purification of endo-beta-N-acetylglucosaminidase from Bacillus alvei. Morinaga T, et al. **Biochim Biophys Acta** 1983 Dec 12;749(2):211–3

Cloning of beta-isopropylmalate dehydrogenase gene from Bacillus coagulans in Escherichia coli and purification and properties of the enzyme. Sekiguchi T, et al. **Biochim Biophys Acta** 1984 Aug 14;788(3):267–73

Specificity of subcellular distribution of alkaline phosphatase in Bacillus licheniformis 749/C. Ghosh A, et al. **Can J Microbiol** 1984 Jan;30(1):113–25

Fatty acid composition and primer specificity of de novo fatty acid synthetase in Bacillus globispores, Bacillus insolitus, and Bacillus psychrophilus. Kaneda T, et al. **Can J Microbiol** 1983 Dec;29(12):1634–41

Isolation of two beta-xylosidase genes of Bacillus pumilus and comparison of their gene products. Panbangred W, et al. **Eur J Biochem** 1984 Jan 16;138(2):267–73

Advances in microbial protoplasts (Bacillus licheniformis beta-lactamase and the protoplast surface). Lampen JO. **Experientia [Suppl]** 1983;46:243–7

A novel glycerophosphodiesterase from Bacillus pumilus. Kusser W, et al. **FEBS Lett** 1984 Jan 30;166(2):301–6

Three-dimensional structure of ribonuclease from Bacillus intermedius 7P at 3.2 A resolution. Pavlovsky AG, et al. **FEBS Lett** 1983 Oct 3;162(1):167–70

Studies on a membrane bound protease from Bacillus pumilus & Escherichia coli. Modi M, et al. **Indian J Exp Biol** 1983 Nov;21(11):611–3

Biosynthesis of Bacillus licheniformis penicillinase in Escherichia coli and in Bacillus subtilis. Hayashi S, et al. **J Bacteriol** 1983 Nov;156(2):773–7

Purification and characterization of the cytochrome oxidase from alkalophilic Bacillus firmus RAB. Kitada M, et al. **J Bacteriol** 1984 Jun;158(3):963–6

Excretion of the penicillinase of an alkalophilic Bacillus sp. through the Escherichia coli outer membrane. Kudo T, et al. **J Bacteriol** 1983 Nov;156(2):949–51

Malate dehydrogenases from actinomycetes: structural comparison of Thermoactinomyces enzyme with other actinomycete and Bacillus enzymes. Smith K, et al. **J Bacteriol** 1984 Feb;157(2):684–7

Subcellular localization of alkaline phosphatase in Bacillus licheniformis 749/C by immunoelectron microscopy with colloidal gold. Tinglu G, et al. **J Bacteriol** 1984 Aug; 159(2):668–77

Modification and processing of Bacillus licheniformis prepenicillinase in Escherichia coli. Fate of mutant penicillinase lacking lipoprotein modification site. Hayashi S, et al. **J Biol Chem** 1984 Aug 25;259(16):10448–54

Sequence-specific BamHI methylase. Purification and characterization. Nardone G, et al. **J Biol Chem** 1984 Aug 25;259(16):10357–62

Molecular symmetry of glyceraldehyde-3-phosphate dehydrogenase from Bacillus coagulans. Griffith JP, et al. **J Mol Biol** 1983 Oct 5;169(4):963–74

Penicillinase secretion in vivo and in vitro. Nielsen JB. **Methods Enzymol** 1983;97:153–8

[Use of bacterial enzyme preparations in the production of Bulgarian cheeses. I. Hard cheese] Antonova T, et al. **Acta Microbiol Bulg** 1984;14:85–91 (Eng. Abstr.) **(Bul)**

[Use of bacterial enzyme preparations in the production of Bulgarian cheeses. II. White brined cheese] Stefanova-Kondratenko M, et al. **Acta Microbiol Bulg** 1984;14:92–7 (Eng. Abstr.) **(Bul)**

[Rapid method of determining beta-lactamase inhibitor activity] Aver'ianova EV, et al. **Antibiotiki** 1984 Apr; 29(4):245–8 (Eng. Abstr.) **(Rus)**

[Penicillinase from B. licheniformis. Determination of the ionization constants of the enzymatic hydrolysis products of beta-lactam antibiotics] Satarova DE, et al. **Antibiotiki** 1984 Jan;29(1):14–9 (Eng. Abstr.) **(Rus)**

[Determination of restrictase activity in toluene lysates of bacterial cells] Sokolov NN, et al. **Biull Eksp Biol Med** 1984 Feb;97(2):163–5 (Eng. Abstr.) **(Rus)**

[Purification of Bacillus mesentericus proteolytic enzymes by affinity chromatography] Koltukova NV, et al. **Prikl Biokhim Mikrobiol** 1984 Jan-Feb;20(1):64–8 (Eng. Abstr.) **(Rus)**

[Isolation of the specific endonuclease BamH1 in the multicyclic cultivation of Bacillus amyloliquefaciens] Dubinina GP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Sep;(9):12–7 (Eng. Abstr.) **(Rus)**

GENETICS

Chromosome interactions and expression in fused Bacillus protoplasts. Hotchkiss RD, et al. **Experientia [Suppl]** 1983; 46:149–54

Constitutive variants of the pC194 cat gene exhibit DNA alterations in the vicinity of the ribosome binding site sequence. Ambulos NP Jr, et al. **Gene** 1984 May;28(2):171–6

Nucleotide sequence of a Bacillus pumilus gene specifying chloramphenicol acetyltransferase. Harwood CR, et al. **Gene** 1983 Oct;24(2-3):163–9

Molecular cloning in Bacillus subtilis of a Bacillus licheniformis gene encoding a thermostable alpha amylase. Ortlepp SA, et al. **Gene** 1983 Sep;23(3):267–76

Cloning and characterization of the Bacillus licheniformis gene coding for alkaline phosphatase. Hulett FM. **J Bacteriol** 1984 Jun;158(3):978–82

Molecular cloning and expression of cellulase genes of alkalophilic Bacillus sp. strain N-4 in Escherichia coli. Sashihara N, et al. **J Bacteriol** 1984 May;158(2):503–6

Nucleotide sequence of the 5' region of the Bacillus licheniformis alpha-amylase gene: comparison with the B. amyloliquefaciens gene. Stephens MA, et al. **J Bacteriol** 1984 Apr;158(1):369–72

Genetic transformation of Bacillus brevis 47, a protein-secreting bacterium, by plasmid DNA. Takahashi W, et al. **J Bacteriol** 1983 Dec;156(3):1130–4

Molecular cloning of a major cell wall protein gene from protein-producing Bacillus brevis 47 and its expression in Escherichia coli and Bacillus subtilis. Tsukagoshi N, et al. **J Bacteriol** 1984 Jun;158(3):1054–60

Cloning of leucine genes of alkalophilic Bacillus No. 221 in E. coli and B. subtilis. Honda H, et al. **J Biochem (Tokyo)** 1984 May;95(5):1485–90

Comparative studies on extracellular penicillinases of the same structural gene, penP, expressed in Bacillus licheniformis and Bacillus subtilis. Imanaka T, et al. **J Gen Microbiol** 1983 Aug;129 (Pt 8):2621–8

Plasmid transformation of Bacillus sphaericus 1593. McDonald KO, et al. **J Gen Microbiol** 1984 Jan;130 (Pt 1):203–8

Structure of the Bacillus sphaericus R modification methylase gene. Pósfai G, et al. **J Mol Biol** 1983 Nov 5;170(3):597–610

DNA sequence and regulation of ermD, a macrolide-lincosamide-streptogramin B resistance element from Bacillus licheniformis. Gryczan T, et al. **MGG** 1984; 194(3):349–56

Evolutionary relationships of the Bacillus licheniformis macrolide-lincosamide-streptogramin B resistance elements. Israeli-Reches M, et al. **MGG** 1984;194(3):362–7

Molecular cloning of the genes for xylan degradation of Bacillus pumilus and their expression in Escherichia coli. Panbangred W, et al. **MGG** 1983;192(3):335–41

Protein structure: from Bacilus to rabbit [news] Pain RH. **Nature** 1984 May 31-Jun 6;309(5967):404

The complete DNA sequence and regulatory regions of the Bacillus licheniformis spoOH gene. Ramakrishna N, et al. **Nucleic Acids Res** 1984 Feb 24;12(4):1779–90

Cloning, sequencing, and secretion of Bacillus amyloliquefaciens subtilisin in Bacillus subtilis. Wells JA, et al. **Nucleic Acids Res** 1983 Nov 25;11(22):7911–25

[Several forms of Bacillus mesentericus. IV. Plasmid content] Shivarova N, et al. **Acta Microbiol Bulg** 1984;14:22–6 (Eng. Abstr.) **(Bul)**

[Genetic transformation to thermophily in bacilli] Valerianov Ts, et al. **Acta Microbiol Bulg** 1984;14:16–21 (Eng. Abstr.) **(Bul)**

[Base composition of DNA and phenotypic characterization of Bacillus firmus and Bacillus lentus] Trotta F, et al. **Nuovi Ann Ig Microbiol** 1982 Jul-Dec;33(4-6):917–28 (Eng. Abstr.) **(Ita)**

[Capacity of Bacillus mesentericus for certain kinds of genetic exchange] Malkov SV, et al. **Genetika (Moskva)** 1983 Jul; 19(7):1091–6 (Eng. Abstr.) **(Rus)**

[Cloning in Bacillus subtilis cells of the Bacillus mesentericus genes that determine the enzyme synthesis of tryptophan metabolism] Malkov SV, et al. **Genetika (Moskva)** 1983 Nov;19(11):1753–9 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Stimulation of growth of Bacillus fastidiosus by amino acids. Bongaerts GP, et al. **Antonie Van Leeuwenhoek** 1984; 50(2):177–82

Bu-2743E, a leucine aminopeptidase inhibitor, produced by Bacillus circulans. Kobaru S, et al. **J Antibiot (Tokyo)** 1983 Oct;36(10):1396–8

Composition of the peptidoglycan of alkalophilic Bacillus spp. Aono R, et al. **J Bacteriol** 1984 Feb;157(2):688–9

Plaque formation by Tyzzer's organism in primary monolayer culture of mouse hepatocytes. Kawamura S, et al. **Microbiol Immunol** 1983;27(5):415–24

IMMUNOLOGY

The effect of Bacillus natto in feed on the sheep red blood cell antibody response in chickens. Inooka S, et al. **Avian Dis** 1983 Oct-Dec;27(4):1086–9

Purification by sucrose density gradient zonal centrifugation and affinity column chromatography of antigenic substances from the livers of mice infected with Tyzzer's disease. Orikasa M, et al. **J Gen Microbiol** 1984 Jul;130 (Pt 7):1757–63

Bacteria-immune system interactions. VIII. Modulation of human cytotoxic reactions by crude lipoteichoic acid extracts of Bacillus globigii. Kleinman R, et al. **J Immunopharmacol** 1983;5(3):173–90

Bacterial cells as anti-tumour agents in man. Davies M. **Rev Environ Health** 1982;4(1):31–56 (107 ref.)

ISOLATION & PURIFICATION

A note on the identity and properties of the spoilage microflora of chub-packed luncheon meat stored at ambient temperature. Bell RG, et al. **Can J Microbiol** 1983 Sep;29(9):1220–3

Three clusters of Bacillus pseudobacteremia related to a radiometric blood culture analyzer. Gurevich I, et al. **Infect Control** 1984 Feb;5(2):71–4

Bacillus piliformis infection (Tyzzer's disease) in a Colorado foal. Nold JB, et al. **J Am Vet Med Assoc** 1984 Aug 1; 185(3):306–7

Use of the beta-lactamase inhibitor clavulanic acid in the isolation of auxotrophic mutants of Bacillus licheniformis. Fields PI, et al. **J Bacteriol** 1984 Aug;159(2):803–4

A mosquito-virulent Bacillus sphaericus in adult Simulium damnosum from northern Nigeria. Weiser J. **Zentralbl Mikrobiol** 1984;139(1):57–60

[Screening of microorganism colonies for milk-coagulating activity] Nachev L, et al. **Acta Microbiol Bulg** 1983;13:56–9 (Eng. Abstr.) **(Bul)**

[Isolation of a large aerobic sporulated sheathed bacteria from soil by elective culture] Pichinoty F. **Ann Microbiol (Paris)** 1983 Nov-Dec;134B(3):443–6 (Eng. Abstr.) **(Fre)**

[The isolation and identification of microorganisms capable of using agricultural wastes resistant to enzymatic degradation] Göktan D. **Mikrobiyol Bul** 1984 Apr; 18(2):90–8 (Eng. Abstr.) **(Tur)**

METABOLISM

Effect of pH on production of cytokinin-like substances by bacteria isolated from soil, rhizosphere and mycorrhizosphere of pine (Pinus silvestris L.). Kampert M, et al. **Acta Microbiol Pol** 1984;33(1):77–85

Microbial biodegradation of 4-chlorobiphenyl, a model compound of chlorinated biphenyls. Massé R, et al. **Appl Environ Microbiol** 1984 May;47(5):947–51

Products of phosphatidylglycerol turnover in two Bacillus strains with and without lipoteichoic acid in the cells. Koga Y, et al. **Biochim Biophys Acta** 1984 Mar 27;793(1):86–94

Resonance Raman resolution of a-, b- and c-type cytochromes in membrane vesicles of alkalophilic bacteria. Strekas TC. **Biochim Biophys Acta** 1984 May 29; 765(2):133–7

Uptake and concentration factor of Aroclor 1254 in aquatic organisms. Gooch JA, et al.

Bull Environ Contam Toxicol 1983 Oct;31(4):445–52

Interaction of the HB protein of Bacillus globigii with nucleic acids. Analysis of the binding to DNA and polynucleotides. Watanabe F, et al. **Eur J Biochem** 1984 Apr 2;140(1):215–9

Kinetics of alpha-amylase production in a continuous culture of Bacillus licheniformis. Votruba J, et al. **Folia Microbiol (Praha)** 1984;29(1):19–22

Effects of diethylmalonate & alpha-picolinic acid on levels of inorganic nitrogen & tricarboxylic acid cycle enzymes in L-alanine utilizing B. brevis. Singh RP, et al. **Indian J Biochem Biophys** 1983 Feb;20(1):39–42

Characterization of the Na+/H+ antiporter of alkalophilic bacilli in vivo: delta psi-dependent 22Na+ efflux from whole cells. Garcia ML, et al. **J Bacteriol** 1983 Dec; 156(3):1151–7

Major proteins released by a protein-producing bacterium, Bacillus brevis 47, are derived from cell wall protein. Ohmizu H, et al. **J Biochem (Tokyo)** 1983 Oct;94(4):1077–84

A transmembrane electrical potential generated by respiration is not equivalent to a diffusion potential of the same magnitude for ATP synthesis by Bacillus firmus RAB. Guffanti AA, et al. **J Biol Chem** 1984 Mar 10;259(5):2971–5

Studies on volatile metabolites of some potentially pathogenic Bacillus species, using automated head-space gas chromatography. de la Cochetière-Collinet MF, et al. **J Chromatogr** 1984 Jan 13;305(1):178–82

[Mechanism of flagellin polymerization in Bacillus brevis] Novikov VV, et al. **Biol Nauki** 1983;(9):21–6 (Eng. Abstr.) **(Rus)**

[Effect of amino acids and proteins on bacitracin and exoprotease synthesis by Bacillus licheniformis] Egorov NS, et al. **Mikrobiologiia** 1983 Sep-Oct;52(5):693–7 (Eng. Abstr.) **(Rus)**

[Microorganisms destroying a number of nonionogenic surface-active substances] Udod VM, et al. **Mikrobiologiia** 1983 May-Jun;52(3):370–4 (Eng. Abstr.) **(Rus)**

[Levan synthesis by a Bacillus sp. culture] Elisashvili VI. **Prikl Biokhim Mikrobiol** 1984 Jan-Feb;20(1):101–6 (Eng. Abstr.) **(Rus)**

[Crystal formation by bacteria. Another possibility for urinary lithogenesis?] Torres Ramirez C, et al. **Arch Esp Urol** 1983 May-Jun;36(3):167–73 (Eng. Abstr.) **(Spa)**

PATHOGENICITY

Entomopathogenic spore-formers from soil samples of mosquito habitats in northern Nigeria. Weiser J, et al. **Zentralbl Mikrobiol** 1984;139(1):49–55

PHYSIOLOGY

Fate of Bacillus sphaericus 1593 and 2362 spores used as larvicides in the aquatic environment. Davidson EW, et al. **Appl Environ Microbiol** 1984 Jan;47(1):125–9

Patterns of electrochemical proton gradient formation by membrane vesicles from an obligately acidophilic bacterium. Guffanti AA, et al. **J Bacteriol** 1984 Aug; 159(2):448–52

Sporulation of Bacillus sphaericus 2297: an electron microscope study of crystal-like inclusion biogenesis and toxicity to mosquito larvae. Kalfon A, et al. **J Gen Microbiol** 1984 Apr;130 (Pt 4):893–900

Peptide antibiotics and sporulation: induction of sporulation in asporogenous and peptide-negative mutants of Bacillus brevis. Modest B, et al. **J Gen Microbiol** 1984 Apr;130 (Pt 4):747–55

Sporulation and spore properties of Bacillus brevis and its gramicidin S-negative mutant. Piret JM, et al. **J Gen Microbiol** 1983 May;129 (Pt 5):1309–16

Aerobic spore-forming bacteria as aetiological factors of bacteriaemia. Smirnov VV, et al. **J Hyg Epidemiol Microbiol Immunol** 1984;28(2):185–92

Correlation between alpha-amylase production and sporulation in Bacillus licheniformis CUMC 305 with respect to the effect of some carbohydrates and phenylmethylsulfonyl fluoride treatment. Krishnan T, et al. **Zentralbl Mikrobiol** 1983;138(6):475–85

[Molecular biology of the germination of Bacillus spores] Hecker M. **Z Allg Mikrobiol** 1983;23(8):517–35 (91 ref.) (Eng. Abstr.) **(Ger)**

[Sporulation in Bacillus licheniformis during altered bacitracin synthesis] Lukin AA, et al. **Antibiotiki** 1983 Jul; 28(7):494–7 (Eng. Abstr.) **(Rus)**

[Sporulation and spore germination in Bacillus brevis var. G.-B. in relation to antibiotic formation] Markelova SI, et al. **Antibiotiki** 1984 Jan;29(1):63–72 (87 ref.) **(Rus)**

[Lyophilization of the spores and vegetative cells of Bacillus brevis var. G-B.—producer of gramicidin S] Zarubina AP, et al. **Antibiotiki** 1983 Aug;28(8):605–8 (Eng. Abstr.) **(Rus)**

[Spore formation by Bacillus polymyxa during the inhibition of polymyxin biosynthesis] Nefelova MV, et al. **Mikrobiologiia** 1984 May-Jun;53(3):450–4 (Eng. Abstr.) **(Rus)**

[Interaction of bacterial flagella with myosin] Novikova NA, et al. **Mol Biol (Mosk)** 1983 Nov-Dec;17(6):1227–35 (Eng. Abstr.) **(Rus)**

[Effect of temperature on exoprotease and bacitracin synthesis and sporulation in Bacillus licheniformis 28KA] Egorov NS, et al. **Prikl Biokhim Mikrobiol** 1983 Nov-Dec; 19(6):733–7 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Projected structure of unstained, frozen-hydrated T-layer of Bacillus brevis. Lepault J, et al. **EMBO J** 1984 Jan; 3(1):101–5

Exosporia and appendages of spores of Bacillus species. Hachisuka Y, et al. **Microbiol Immunol** 1984;28(5):619–24

[Electron microscopic study of the cell arrangement in bacterial colonies] Shekhovtsov VP, et al. **Biol Nauki** 1984; (3):93–7 (Eng. Abstr.) **(Rus)**

[Structural study of the basal bodies of the flagella of Bacillus brevis var. G.-B. P+] Novikova NA, et al. **Mikrobiologiia** 1984 Jan-Feb;53(1):103–7 (Eng. Abstr.) **(Rus)**

BACILLUS ANTHRACIS

ANALYSIS

Glucosamine substitution and muramidase susceptibility in Bacillus anthracis. Zipperle GF Jr, et al. **Can J Microbiol** 1984 May;30(5):553–9

CLASSIFICATION

Quantitative immunofluorescence studies of the serology of Bacillus anthracis spores. Phillips AP, et al. **Appl Environ Microbiol** 1983 Dec;46(6):1430–2

Enzyme-linked lectinosorbent assay (ELLA) for detecting Bacillus anthracis. Graham K, et al. **Eur J Clin Microbiol** 1984 Jun;3(3):210–2

Differentiation of Bacillus anthracis and other Bacillus species by lectins. Cole HB, et al. **J Clin Microbiol** 1984 Jan;19(1):48–53

DRUG EFFECTS

[A study of the efficacy of disinfectants against anthrax spores] Lensing HH, et al. **Tijdschr Diergeneeskd** 1984 Jul 1;109(13):557–63 (Eng. Abstr.) **(Dut)**

ENZYMOLOGY

Bacillus anthracis calmodulin-dependent adenylate cyclase: chemical and enzymatic properties and interactions with eucaryotic cells. Leppla SH. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1984; 17:189–98

Glycosidase activities of Bacillus anthracis. Sadler DF, et al. **J Clin Microbiol** 1984 May;19(5):594–8

GENETICS

Cloning of the protective antigen gene of Bacillus anthracis. Vodkin MH, et al. **Cell** 1983 Sep;34(2):693–7

Interspecies transduction of plasmids among Bacillus anthracis, B. cereus, and B. thuringiensis. Ruhfel RE, et al. **J Bacteriol** 1984 Mar;157(3):708–11

GROWTH & DEVELOPMENT

[Nutrient requirements of Bacillus anthracis strains and the growth characteristics of strain STI-1 in batch cultivation on synthetic broths] Naimanov PI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Jun;(6):55–9 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Radioactive labels for Protein A: evaluation in the indirect immunoradiometric assay (IRMA) for Bacillus anthracis spores. Phillips AP, et al. **J Appl Bacteriol** 1984 Jun; 56(3):449–56

Comparison of direct and indirect immunoradiometric assays (IRMA) for Bacillus anthracis spores immobilised on multispot microscope slides. Phillips AP, et al. **J Appl Bacteriol** 1983 Oct;55(2):315–24

Isolation of anthrax bacillus from an elephant in Bangladesh. Mustafa AH. **Vet Rec** 1984 Jun 16;114(24):590

[Findings on the spread of anthrax spores in the provincial territory of Milan with tanneries] Perone A, et al. **G Batteriol Virol Immunol** 1982 Jul-Dec;75(7-12):322–36 (Eng. Abstr.) **(Ita)**

PATHOGENICITY

Immunoelectrophoretic analysis, toxicity, and kinetics of in vitro production of the protective antigen and lethal factor components of Bacillus anthracis toxin. Ezzell JW, et al. **Infect Immun** 1984 Sep;45(3):761–7

PHYSIOLOGY

[Vegetative state and sporulation in the causative agent of anthrax (vaccinal strain STI) at different pH values of the cultivation medium] Siniak KM, et al. **Izv Akad Nauk SSSR [Biol]** 1983 Sep-Oct;(5):686–92 (Eng. Abstr.) **(Rus)**

BACILLUS CALMETTE GUERIN VACCINE see **BCG VACCINE**

BACILLUS CEREUS

[The hygienic significance of aerobic sporulating microbes] Prokupek K. **Vet Med (Praha)** 1984 May;29(5):313–8 **(Cze)**

ANALYSIS

Isolation and some properties of an enterotoxin produced by Bacillus cereus. Thompson NE, et al. **Infect Immun** 1984 Mar;43(3):887–94

DRUG EFFECTS

[Effect of the addition of DMSO and EDTA on the activity of formaldehyde and hydrogen peroxide against Bacillus cereus spores] Böhm R, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Jun; 177(5):412–8 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

An anion binding site in the active centre of phospholipase C from Bacillus cereus. Aalmo K, et al. **Biochem Int** 1984 Jan;8(1):27–33

Characterization of the membrane beta-lactamase in Bacillus cereus 569/H/9. Connolly AK, et al. **Biochemistry** 1983 Sep 27;22(20):4647–51

Beta-lactamase III of Bacillus cereus 569: membrane lipoprotein and secreted protein. Nielsen JB, et al. **Biochemistry** 1983 Sep 27;22(20):4652–6

Thermal denaturation of native and cross-linked Bacillus cereus 569/H beta-lactamase I. Arnold LD, et al. **Biochim Biophys Acta** 1983 Dec 12;749(2):192–7

Inactivation of Bacillus cereus 569/H beta-lactamase I by 6-beta-(trifluoromethane sulfonyl)amidopenicillanic acid sulfone and its N-methyl derivative. Clarke AJ, et al. **Biochim Biophys Acta** 1983 Nov 14;748(3):389–97

An Sau3 AI restriction endonuclease isoschizomer from Bacillus cereus. Cruz AK, et al. **FEBS Lett** 1984 Jul 23; 173(1):99–102

Bacillus cereus 569/H beta-lactamase I: cloning in Escherichia coli and signal sequence determination. Mézes PS, et al. **FEBS Lett** 1983 Sep 19;161(2):195–200

The binding and hydrolysis of sphingomyelin by phospholipase C (Bacillus cereus) as shown by 31P NMR. Aalmo KM, et al. **Int J Biochem** 1984;16(8):931–4

Penicillinase secretion in vivo and in vitro. Nielsen JB. **Methods Enzymol** 1983;97:153–8

[Biochemical characteristics of strains of Bacillus cereus] Nestorova V, et al. **Z Gesamte Hyg** 1983 Nov;29(11):658–60 (Eng. Abstr.) **(Ger)**

GENETICS

Interspecies transduction of plasmids among Bacillus anthracis, B. cereus, and B. thuringiensis. Ruhfel RE, et al. **J Bacteriol** 1984 Mar;157(3):708–11

[Transformation of Bacillus cereus protoplasts with the plasmid DNA from Bacillus thuringiensis transformants] Shivarova N, et al. **Acta Microbiol Bulg** 1983;13:11–5 (Eng. Abstr.) **(Bul)**

[Interspecific recombinants of Bacillus thuringiensis x Bacillus cereus] Belykh RA, et al. **Genetika (Moskva)** 1983 Oct;19(10):1616–23 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Heat-induced temperature sensitivity of outgrowing Bacillus cereus spores. Johnson KM, et al. **Appl Environ Microbiol** 1984 Apr;47(4):768–74

Physiological responses of Bacillus species to concanavalin A. 2. Effect on growth, oxygen uptake, enzyme activities and intracellular cyclic guanosine 3',5'-monophosphate level of B. cereus ATCC 14579. Lau TM, et al. **Microbios** 1984;39(157–158):137–50

Factors affecting germination and growth of Bacillus cereus spores in milk. Helmy ZA, et al. **Zentralbl Mikrobiol** 1984; 139(2):135–41

[Growth of test microorganisms used in determining antibiotic activity on synthetic nutrient media] Vasil'eva NG, et al. **Antibiotiki** 1984 Jun;29(6):403–7 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Toxigenic Bacillus cereus var. fluorescens in human milk. Singh RS, et al. **J Dairy Sci** 1984 Mar;67(3):513–7

Bacillus cereus-induced myonecrosis. Johnson DA, et al. **J Trauma** 1984 Mar;24(3):267–70

The incidence of Bacillus cereus in foods in Central Thailand. Suksuwan M. **Southeast Asian J Trop Med Public Health** 1983 Sep; 14(3):324–9

Occurrence of Bacillus cereus in milk and milk products in Egypt. Helmy ZA, et al. **Zentralbl Mikrobiol** 1984; 139(2):129–33

[Incidence of Bacillus cereus and various pathogenic microorganisms in food for infants and small children] Becker H, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1984 Jun;179(3):198–216 (Eng. Abstr.) **(Ger)**

[Medical aspects of elaboration of microbiological criteria for evaluating the quality and principles of microbiological standards of dried milk and other mixtures for children in the first year of life] Kuvaeva IB. **Vopr Pitan** 1984 Mar-Apr;(2):7–11 (Eng. Abstr.) **(Rus)**

[Bacillus cereus infection in newborn infants] Cohen J, et al. **Rev Chil Pediatr** 1984 Jan-Feb;55(1):20–5 (Eng. Abstr.) **(Spa)**

METABOLISM

Evidence for an arene oxide-NIH shift pathway in the transformation of naphthalene to 1-naphthol by Bacillus cereus. Cerniglia CE, et al. **Arch Microbiol** 1984 Aug; 138(4):283-6

Prumycin produced by Bacillus cereus. Hamada M, et al. **J Antibiot (Tokyo)** 1983 Jan;36(1):86

Non-gastrointestinal Bacillus cereus infections: an analysis of exotoxin production by strains isolated over a two-year period. Turnbull PC, et al. **J Clin Pathol** 1983 Oct; 36(10):1091-6

Metabolic change in cultured gingival fibroblasts exposed to bacterial extracts. Stimulation of hyaluronic acid synthesis. Larjava H. **J Periodont Res** 1984 May; 19(3):230-7

[Bacteria decomposing alpha-methylstyrol] Ilialetdinov AN, et al. **Mikrobiologiia** 1983 Jul-Aug;52(4):609-14 (Eng. Abstr.) **(Rus)**

PATHOGENICITY

Bacillus cereus enterotoxins: present status. Gilbert RJ, et al. **Biochem Soc Trans** 1984 Apr;12(2):198-200

A case of septicaemia caused by Bacillus cereus [letter] Casella P, et al. **Eur J Clin Microbiol** 1984 Feb;3(1):35-6

Bacillus cereus as a systemic pathogen [editorial] **Lancet** 1983 Dec 24-31;2(8365-66):1469

[Bacillus cereus: a wound contaminant but also a causative agent of severe general infections?] Tjong Joe Wai R, et al. **Ned Tijdschr Geneeskd** 1984 Jun 23;128(25):1183-7 (Eng. Abstr.) **(Dut)**

[Is food poisoning caused by Bacillus cereus more frequent? (letter)] Döll W, et al. **Dtsch Med Wochenschr** 1983 Nov 25;108(47):1814-5 **(Ger)**

PHYSIOLOGY

Stimulation of germination of unactivated Bacillus cereus spores by ammonia. Preston RA, et al. **J Gen Microbiol** 1984 May;130 (Pt 5):1041-50

[Membrane-active properties of a preparation from a bacterial culture broth possessing autoregulation action] Vostroknutova GN, et al. **Prikl Biokhim Mikrobiol** 1983 Jul-Aug;19(4):547-51 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Postincision steps of photoproduct removal in a mutant of Bacillus cereus 569 that produces UV-sensitive spores. Weinberger S, et al. **J Bacteriol** 1983 Nov;156(2):909-13

Transitory UV resistance during germination of UV-sensitive spores produced by a mutant of Bacillus cereus 569. Weinberger S, et al. **Photochem Photobiol** 1984 Jun; 39(6):775-80

BACILLUS MEGATERIUM

ANALYSIS

Isolation and characterization of two distinct fractions from the inner membrane of dormant Bacillus megaterium spores. Swerdlow RD, et al. **J Bacteriol** 1984 Apr; 158(1):9-15

Occurrence of galactosamine-6-phosphate as a constituent of Bacillus megaterium spore coat. Nasu M, et al. **Microbiol Immunol** 1984;28(2):181-8

DRUG EFFECTS

Enhancement of copper toxicity by siderophores in Bacillus megaterium. Arceneaux JE, et al. **Antimicrob Agents Chemother** 1984 May;25(5):650-2

ENZYMOLOGY

Activity of penicillin-acylase-producing bacteria against alpha-aminobenzylpenicillins. Baker WL. **Antonie Van Leeuwenhoek** 1983 Dec;49(6):551-8

Amino acid sequence of the K-peptide generated by limited proteolysis of glucose dehydrogenase from Bacillus megaterium by proteinase K1. Jany KD, et al. **Arch Biochem Biophys** 1984 Feb 15;229(1):355-8

Induction by barbiturates of a cytochrome P-450-dependent fatty acid monooxygenase in Bacillus megaterium: relationship between barbiturate structure and inducer activity. Kim BH, et al. **Biochem Biophys Res Commun** 1983 Nov 15;116(3):843-50

Partial characterization of a barbiturate-induced cytochrome P-450-dependent fatty acid monooxygenase from Bacillus megaterium. Narhi LO, et al. **Biochem Biophys Res Commun** 1983 Nov 15;116(3):851-8

Tyrosine modification of glucose dehydrogenase from Bacillus megaterium. Effect of tetranitromethane on the enzyme in the tetrameric and monomeric state. Fröschle M, et al. **Eur J Biochem** 1984 Aug 1;142(3):533-40

Evidence for an essential histidine residue in glucose dehydrogenase from Bacillus megaterium and sequence analysis of the peptides labeled with bromoacetyl pyridine. Ulmer W, et al. **Eur J Biochem** 1983 Oct 17;136(1):183-94

Complete amino acid sequence of glucose dehydrogenase from Bacillus megaterium. Jany KD, et al. **FEBS Lett** 1984 Jan 2;165(1):6-10

Mutants of Bacillus megaterium with altered synthesis of an exocellular neutral proteinase. Kučerová H, et al. **Folia Microbiol (Praha)** 1984;29(2):99-103

Limited proteolysis of glucose dehydrogenase from Bacillus megaterium by proteinase K. Jany KD, et al. **Hoppe Seylers Z Physiol Chem** 1983 Jul;364(7):839-44

Nonsubstrate induction of a soluble bacterial cytochrome P-450 monooxygenase by phenobarbital and its analogs. Fulco AJ, et al. **Mol Cell Biochem** 1983;53-54(1-2):155-61

[Isolation and characterization of glycerol dehydrogenase from bacillus megaterium] Scharschmidt M, et al. **Hoppe Seylers Z Physiol Chem** 1983 Jul;364(7):911-21 (Eng. Abstr.) **(Ger)**

GENETICS

Identification of the altered ribosomal component responsible for resistance to micrococcin in mutants of Bacillus megaterium. Spedding G, et al. **Eur J Biochem** 1984 May 2;140(3):453-9

Deletion mutants of megacinogenic plasmid pBM309 from Bacillus megaterium. Riabchenko NF, et al. **Gene** 1983 Nov;25(1):67-70

Cloning of a new low-molecular-weight spore-specific protein gene from Bacillus megaterium. Curiel-Quesada E, et al. **J Bacteriol** 1984 Mar;157(3):751-7

Complete nucleotide sequence and start sites for transcription and translation of the Bacillus megaterium protein C gene. Fliss ER, et al. **J Bacteriol** 1984 Jun;158(3):809-13

Genetics of leucine biosynthesis in Bacillus megaterium QM B1551. Garbe JC, et al. **J Bacteriol** 1984 Feb;157(2):454-9

Expression of Bacillus megaterium and Bacillus subtilis small acid-soluble spore protein genes during stationary-phase growth of asporogenous B. subtilis mutants. Mason JM, et al. **J Bacteriol** 1984 Mar;157(3):931-3

GROWTH & DEVELOPMENT

Effect of growth rate on streptomycin accumulation by Escherichia coli and Bacillus megaterium. Muir ME, et al. **J Gen Microbiol** 1984 Aug;130 (Pt 8):2015-22

IMMUNOLOGY

Experimental and clinical results of application of antitumor vaccines obtained by means of bacterial metabolism. Zatula DG. **Neoplasma** 1984;31(1):65-74

METABOLISM

The interaction of nocardicin A with the penicillin-binding proteins of Bacillus megaterium KM. Todd JA, et al. **Eur J Biochem** 1983 Nov 15;136(3):545-51

Role of the capsule produced by Bacillus megaterium ATCC 19213 in the accumulation of metallic cations. Cassity TR, et al. **Microbios** 1984;41(160):117-25

PHYSIOLOGY

Resistance, germination, and permeability correlates of Bacillus megaterium spores successively divested of integument layers. Koshikawa T, et al. **J Bacteriol** 1984 Aug;159(2):624-32

Reconstitution experiment for the existence of a substance regulating germinant specificity in Bacillus megaterium spores. Uchida Y, et al. **Microbiol Immunol** 1983; 27(7):631-4

RADIATION EFFECTS

Combination of misonidazole and lipoic acid on the radiation sensitivity of Bacillus megaterium spores. Gazsó GL, et al. **Acta Radiol [Oncol]** 1984;23(1):75-8

The effect of superoxide dismutase on the radiosensitivity of bacterial spores at various oxygen concentrations. Gazsó GL, et al. **Radiat Environ Biophys** 1984;23(1):69-73

BACILLUS STEAROTHERMOPHILUS

Some x-ray diffraction patterns from single crystals of the large ribosomal subunit from Bacillus stearothermophilus. Yonath A, et al. **J Mol Biol** 1984 Jul 25;177(1):201-6

Comparative structural analysis of eubacterial 5S rRNA by oxidation of adenines in the N-1 position. Pieler T, et al. **Nucleic Acids Res** 1984 Apr 11;12(7):3115-26

ANALYSIS

The complete amino acid sequences of ribosomal proteins L17, L27, and S9 from Bacillus stearothermophilus. Kimura M, et al. **Eur J Biochem** 1984 Mar 1;139(2):225-34

Evidence for the glycoprotein nature of the crystalline cell wall surface layer of Bacillus stearothermophilus strain NRS2004/3a. Küpcü Z, et al. **FEBS Lett** 1984 Jul 23; 173(1):185-90

The amino acid sequence of two small ribosomal proteins from Bacillus stearothermophilus. Tanaka I, et al. **FEBS Lett** 1984 Jan 30;166(2):343-6

Reconstitution of 50 S ribosomal subunits from Bacillus stearothermophilus with 5 S RNA from spinach chloroplasts and low-Mr RNA from mitochondria of Locusta migratoria and bovine liver. Vogel DW, et al. **FEBS Lett** 1984 Apr 9;169(1):67-72

Proteins of the Bacillus stearothermophilus ribosome. Crystallization of proteins L30 and S5. Appelt K, et al. **J Biol Chem** 1983 Nov 10;258(21):13328-30

Proteins of the Bacillus stearothermophilus ribosome. The amino acid sequences of proteins S5 and L30. Kimura M. **J Biol Chem** 1984 Jan 25;259(2):1051-5

DRUG EFFECTS

Studies on the mode of action of a bacteriocin produced by Bacillus stearothermophilus. Fikes JD, et al. **Can J Microbiol** 1983 Nov;29(11):1576-82

ENZYMOLOGY

The application of triazine dye affinity chromatography to the large-scale purification of glycerokinase from Bacillus stearothermophilus. Scawen MD, et al. **Anal Biochem** 1983 Jul 15;132(2):413-7

Domain structure and 1H-n.m.r. spectroscopy of the pyruvate dehydrogenase complex of Bacillus stearothermophilus. Packman LC, et al. **Biochem J** 1984 Jan 1;217(1):219-27

Crystals of Bacillus stearothermophilus tryptophanyl-tRNA synthetase containing enzymatically formed acyl transfer product tryptophanyl-ATP, an active site maker for the 3' CCA terminus of tryptophanyl-tRNATrp. Coleman DE, et al. **Biochemistry** 1984 Jan 17;23(2):381-5

Site-directed mutagenesis as a probe of enzyme structure and catalysis: tyrosyl-tRNA synthetase cysteine-35 to glycine-35 mutation. Wilkinson AJ, et al. **Biochemistry** 1983 Jul 19;22(15):3581-6

Deletion mutagenesis using an 'M13 splint': the N-terminal structural domain of tyrosyl-tRNA synthetase (B. stearothermophilus) catalyses the formation of tyrosyl adenylate. Waye MM, et al. **EMBO J** 1983;2(10):1827-9

Structure and function of L-lactate dehydrogenases from thermophilic and mesophilic bacteria. II) The primary structure of thermophilic lactate dehydrogenase from Bacillus stearothermophilus. Cyanogen bromide fragments and partial sequence. Tratschin JD, et al. **Hoppe Seylers Z Physiol Chem** 1983 Jul;364(7):879-92

Structure and function of L-lactate dehydrogenases from thermophilic and mesophilic bacteria. III) The primary structure of thermophilic lactate dehydrogenase from Bacillus stearothermophilus. Hydroxylamine-, o-iodosobenzoic acid- and tryptic-fragments. The complete amino-acid sequence. Wirz B, et al. **Hoppe Seylers Z Physiol Chem** 1983 Jul;364(7):893-909

Evolution of phosphofructokinase--gene duplication and creation of new effector sites. Poorman RA, et al. **Nature** 1984 May 31-Jun 6;309(5967):467-9

GENETICS

Transformation of Bacillus stearothermophilus with plasmid DNA and its application to molecular cloning. Aiba S, et al. **Ann NY Acad Sci** 1983;413:57-70

Molecular cloning of the glyceraldehyde-3-phosphate dehydrogenase genes of Bacillus stearothermophilus and Escherichia coli, and their expression in Escherichia coli. Branlant G, et al. **Gene** 1983 Nov;25(1):1-7

Cloning and expression of a thermophilic alpha-amylase gene from Bacillus stearothermophilus in Escherichia coli. Tsukagoshi N, et al. **MGG** 1984;193(1):58-63

Effect of mercaptoethylamine on DNA degradation in thermophilic bacteria bac. Stearothermophilus exposed to gamma-, UV-radiation or methylnitrosourea. Fomenko LA, et al. **Radiat Environ Biophys** 1984;23(3):223-33

METABOLISM

Electron-paramagnetic-resonance studies of manganese(II) complexes with elongation factor Tu from Bacillus stearothermophilus. Observation of a GTP hydrolysis intermediate state complex. Kalbitzer HR, et al. **Eur J Biochem** 1984 Jun 15;141(3):591-7

Synthesis of peptidoglycan by high molecular weight penicillin-binding proteins of Bacillus subtilis and Bacillus stearothermophilus. Jackson GE, et al. **J Biol Chem** 1984 Feb 10;259(3):1483-90

Optimization of autoclave cycles and selection of formulation for parenteral products, Part III: Effect of formulation variables on sporicidal kinetics. Wang YJ, et al. **J Parenter Sci Technol** 1984 Mar-Apr;38(2):78-82

[Effect of MEA on DNA degradation in permeable irradiated Bac. stearothermophilus cells] Kuznetsova EA, et al. **Radiobiologiia** 1983 Nov-Dec;23(6):730-3 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Two-dimensional crystalline sheets of Bacillus stearothermophilus 50S ribosomal particles. Arad T, et al. **EMBO J** 1984 Jan;3(1):127-31

Proteins of the Bacillus stearothermophilus ribosome. A 5 A structure analysis of protein S5. White SW, et al. **FEBS Lett** 1983 Oct 31;163(1):73-5

A compact three-dimensional crystal form of the large ribosomal subunit from Bacillus stearothermophilus. Yonath A, et al. **FEBS Lett** 1983 Oct 31;163(1):69-72

[Electron microscopic study of Bacillus stearothermophilus lysis in stab cultivation] Imshenetskiĭ AA, et al. **Mikrobiologiia** 1983 Jul-Aug;52(4):625-8 (Eng. Abstr.) **(Rus)**

BACILLUS SUBTILIS

Immunomodulation by Bacillus subtilis spores. Benedettini G, et al. **Boll Ist Sieroter Milan** 1983;62(6):509-16

Antibacterial activity in human amniotic fluid: relationship to zinc and phosphate. Scane TM, et al.

Br J Obstet Gynaecol 1984 Apr;91(4):342–8
Structure of bacteriophage phi 29 DNA. Escarmís C, et al. Folia Biol (Praha) 1984;30 Spec No:45–51
Comparison of Bacillus subtilis phages PZA, phi 29 and phi 15. Pačes V, et al. Folia Biol (Praha) 1984;30 Spec No:52–64

ANALYSIS

The primary structure of teichuronic acid in Bacillus subtilis AHU 1031. Yoneyama T, et al. Eur J Biochem 1984 May 15;141(1):83–9
Specific immunoglobulin A antibodies to a peptide subunit sequence of bacterial cell wall peptidoglycan. Franken N, et al. Infect Immun 1984 Apr;44(1):182–7
Action of antifungal peptidolipids from Bacillus subtilis on the cell membrane of Saccharomyces cerevisiae. Besson F, et al. J Antibiot (Tokyo) 1984 Feb;37(2):172–7
Association of penicillin-binding proteins and other enzymes with the ribosome-free membrane fraction of Bacillus subtilis. Caulfield MP, et al. J Bacteriol 1983 Oct;156(1):1–5
N-acetylmannosaminyl(1——4)N-acetylglucosamine, a linkage unit between glycerol teichoic acid and peptidoglycan in cell walls of several Bacillus strains. Kaya S, et al. J Bacteriol 1984 Jun;158(3):990–6
Transformation in Bacillus subtilis: purification and partial characterization of a membrane-bound DNA-binding protein. Smith H, et al. J Bacteriol 1983 Oct;156(1):101–8
Isolation of DNA-binding membrane proteins from Bacillus subtilis. Kobayashi K. Microbiol Immunol 1983; 27(6):557–60
[DNA content in bacteria of the genera Bacillus, Pseudomonas, Proteus and Vibrio] Korotiaev AI, et al. Biol Nauki 1983;(9):26–9 (Eng. Abstr.) (Rus)

CYTOLOGY

Chemical mechanism of the Gram stain and synthesis of a new electron-opaque marker for electron microscopy which replaces the iodine mordant of the stain. Davies JA, et al. J Bacteriol 1983 Nov;156(2):837–45

DRUG EFFECTS

Inhibitory action of virginiamycin components on cell-free systems for polypeptide formation from Bacillus subtilis. Cocito C, et al. Arch Microbiol 1983 Aug;135(1):8–11
Factors influencing the resistance of biological monitors to ethylene oxide. Dadd AH, et al. J Appl Bacteriol 1983 Aug; 55(1):39–48
Interaction of the Bacillus subtilis spore protoplast, cortex, ion-exchange and coatless forms with glutaraldehyde. Gorman SP, et al. J Appl Bacteriol 1984 Feb;56(1):95–102
Hypochlorite effects on spores and spore forms of Bacillus subtilis and on a spore lytic enzyme. Gorman SP, et al. J Appl Bacteriol 1984 Apr;56(2):295–303
Characterization of proteins induced by mitomycin C treatment of Bacillus subtilis. Mauël C, et al. J Virol 1984 Mar;49(3):806–12
[Mechanisms of the bactericidal action of hydrogen peroxide] Samollenko II, et al. Zh Mikrobiol Epidemiol Immunobiol 1983 Dec;(12):30–3 (Eng. Abstr.) (Rus)

ENZYMOLOGY

Two-dimensional zymogram analysis of nucleases in Bacillus subtilis. Coughlin SA, et al. Anal Biochem 1983 Sep; 133(2):322–9
Characterization of the precursor form of the exocellular levansucrase from Bacillus subtilis. Fouet A, et al. Biochem Biophys Res Commun 1984 Mar 15;119(2):795–800
Cloning in Bacillus subtilis of an extremely thermostable alpha amylase: comparison with other cloned heatstable alpha amylases. Piggott RP, et al. Biochem Biophys Res Commun 1984 Jul 18;122(1):175–83
Fractionation of the mycobacillin-synthesizing enzyme system. Ghosh SK, et al. Biochem J 1983 Dec 1; 215(3):539–43
Dual role of a single multienzyme complex in the oxidative decarboxylation of pyruvate and branched-chain 2-oxo acids in Bacillus subtilis. Lowe PN, et al. Biochem J 1983 Oct 1;215(1):133–40
Purification and characterization of chemotactic methylesterase from Bacillus subtilis. Goldman DJ, et al. Biochemistry 1984 Feb 14;23(4):675–80
In vitro methylation and demethylation of methyl-accepting chemotaxis proteins in Bacillus subtilis. Goldman DJ, et al. Biochemistry 1984 Jun 5;23(12):2600–6
Specific inhibition of phosphatidate cytidylyltransferase from Bacillus subtilis membranes by cytidine monophosphate. Gaillard JL, et al. Biochim Biophys Acta 1983 Oct 11; 753(3):372–80
Catabolite repression of inositol dehydrogenase and gluconate kinase syntheses in Bacillus subtilis. Nihashi J, et al. Biochim Biophys Acta 1984 Mar 22;798(1):88–95
Actions of porcine pancreatic and Bacillus subtilis alpha-amylases and Aspergillus niger glucoamylase on phosphorylated (1—4)-alpha-D-glucan. Takeda Y, et al. Biochim Biophys Acta 1983 Dec 28;749(3):302–11
DNA methyltransferases of Bacillus subtilis and its bacteriophages. Günthert U, et al. Curr Top Microbiol Immunol 1984;108:11–22 (48 ref.)
Essential protein factors for polyprenyl pyrophosphate synthetases. Separation of heptaprenyl pyrophosphate synthetase into two components. Fujii H, et al. FEBS Lett 1983 Sep 19;161(2):257–60
Degradation of aspartate transcarbamylase in Bacillus subtilis is deficient in rel mutants but is not mediated by guanosine polyphosphates. Bond RW, et al. J Bacteriol 1984 May; 158(2):746–8
Isolation of Bacillus subtilis mutants pleiotropically insensitive to glucose catabolite repression. Fisher SH, et al. J Bacteriol 1984 Mar;157(3):942–4
Synthesis of oxaloacetate in Bacillus subtilis mutants lacking the 2-ketoglutarate dehydrogenase enzymatic complex. Fisher SH, et al. J Bacteriol 1984 Apr;158(1):55–62
2-Ketoglutarate and the regulation of aconitase and histidase formation in Bacillus subtilis. Fisher SH, et al. J Bacteriol 1984 Apr;158(1):379–82
Bacillus subtilis glutamine synthetase mutants pleiotropically altered in glucose catabolite repression. Fisher SH, et al. J Bacteriol 1984 Feb;157(2):612–21
Regulation of glycerol uptake by the phosphoenolpyruvate-sugar phosphotransferase system in Bacillus subtilis. Reizer J, et al. J Bacteriol 1984 Jul; 159(1):243–50
Isoelectric focusing of the inbred mouse antibody to bacterial alpha-amylase. Nakashima S, et al. J Biochem (Tokyo) 1983 Dec;94(6):1723–30
A Bacillus subtilis secretion vector system derived from the B. subtilis alpha-amylase promoter and signal sequence region, and secretion of Escherichia coli beta-lactamase by the vector system. Ohmura K, et al. J Biochem (Tokyo) 1984 Jan;95(1):87–93
Crystallization and preliminary X-ray diffraction study of heavy riboflavin synthase from Bacillus subtilis. Ladenstein R, et al. J Biol Chem 1983 Oct 10;258(19):11981–3
Purification and properties of a new bacillus subtilis RNA processing enzyme. Cleavage of phage SP82 mRNA and Bacillus subtilis precursor rRNA. Panganiban AT, et al. J Biol Chem 1983 Oct 25;258(20):12487–93
Glycerol protection and purification of Bacillus subtilis glucose dehydrogenase. Ramaley RF, et al. J Biol Chem 1983 Oct 25;258(20):12558–65
Oxidation-reduction properties of the iron-sulfur cluster in Bacillus subtilis glutamine phosphoribosylpyrophosphate amidotransferase. Vollmer SJ, et al. J Biol Chem 1983 Dec 10;258(23):14284–93
Overlapping promoters transcribed by bacillus subtilis sigma 55 and sigma 37 RNA polymerase holoenzymes during growth and stationary phases. Wang PZ, et al. J Biol Chem 1984 Jul 10;259(13):8619–25
DNA-dependent ATPases in Bacillus subtilis mutants and in competent cells. Mazza G, et al. J Gen Microbiol 1984 Jan;130 (Pt 1):113–7
Quantitative structure-activity relationships of 6-anilinouracils as inhibitors of Bacillus subtilis DNA polymerase III. Wright GE, et al. J Med Chem 1984 Feb; 27(2):181–5
Two active forms of valyl-tRNA synthetase from Bacillus subtilis: alteration related to the early stages of sporulation. Ohyama K, et al. Microbiol Immunol 1983;27(7):565–74
Effect of disruption by sonication under different conditions on the activity of glucose dehydrogenase from resting spores of Bacillus subtilis. Tochikubo K, et al. Microbiol Immunol 1983;27(9):733–48
Hydrogen ion control of autolysin-dependent functions in Bacillus subtilis. Jolliffe LK, et al. Microbios 1983; 38(153–154):187–94
The DNA sequence of the gene and genetic control sites for the excreted B. subtilis enzyme beta-glucanase. Murphy N, et al. Nucleic Acids Res 1984 Jul 11;12(13):5355–67
Length and structural effect of signal peptides derived from Bacillus subtilis alpha-amylase on secretion of Escherichia coli beta-lactamase in B. subtilis cells. Ohmura K, et al. Nucleic Acids Res 1984 Jul 11;12(13):5307–19
A novel DNA polymerase induced by Bacillus subtilis phage phi 29. Watabe K, et al. Nucleic Acids Res 1983 Dec 10; 11(23):8333–42
Characterization and purification of a phage phi 29-encoded DNA polymerase required for the initiation of replication. Blanco L, et al. Proc Natl Acad Sci USA 1984 Sep; 81(17):532^-9
Catalytic properties of the active site of alanine racemase from B. subtilis. Johnston RB, et al. Prog Clin Biol Res 1984;144A:339–50
First true RNA catalyst found [news] Lewin R. Science 1984 Jan 20;223(4633):266–7
Ribonucleoside triphosphate concentration-dependent termination of bacteriophage SP01 transcription in vitro by Bacillus subtilis RNA polymerase. Brennan SM. Virology 1984 Jun;135(2):555–60
Bacterial alpha-amylase inhibitors. Safwat MS, et al. Zentralbl Mikrobiol 1983;138(2):145–50
[Anti-inflammatory effect of Bacillus subtilis neutral protease] Zhou ZD, et al. Chung Kuo Yao Li Hsueh Pao 1983 Sep;4(3):214–6 (Eng. Abstr.) (Chi)
[Long-term proteolysis in the complex treatment of pleural empyema] Sobotovich VF, et al. Khirurgiia (Mosk) 1984 Apr;(4):33–6 (Eng. Abstr.) (Rus)
[Purification and properties of intracellular nuclease of a competent strain of Bacillus subtilis] Belov IS, et al. Priki Biokhim Mikrobiol 1984 Mar-Apr;20(2):200–7 (Eng. Abstr.) (Rus)

GENETICS

Preparative-scale isolation and purification of procaryotic and eucaryotic ribosomal 5 S RNA: Bacillus subtilis, Neurospora crassa, and wheat germ. Li SJ, et al. Anal Biochem 1984 May 1;138(2):465–71
Identification of the sporulation gene spoOA product of Bacillus subtilis. Kudoh J, et al. Biochem Biophys Res Commun 1984 Aug 16;122(3):1104–9
Two-dimensional gel electrophoresis technique for determination of the cross-linked nucleotides in cleavable covalent RNA-RNA complexes. Application to Escherichia coli and Bacillus subtilis acetylvalyl-tRNA covalently linked to E. coli 16S and yeast 18S ribosomal RNA. Ehresmann C, et al. Biochemistry 1984 Jan 31; 23(3):438–45
Cross-linking of the anticodon of Escherichia coli and Bacillus subtilis acetylvalyl-tRNA to the ribosomal P site. Characterization of a unique site in both E. coli 16S and yeast 18S ribosomal RNA. Ehresmann C, et al. Biochemistry 1984 Jan 31;23(3):429–37
A catabolite-resistance mutation is localized in the rpo operon of Bacillus subtilis. Sun DX, et al. Can J Microbiol 1984 Apr;30(4):423–9
Developmental and genetic regulation of Bacillus subtilis genes transcribed by sigma 28-RNA polymerase. Gilman MZ, et al. Cell 1983 Nov;35(1):285–93
Use of a lacZ fusion to study the role of the spoO genes of Bacillus subtilis in developmental regulation. Zuber P, et al. Cell 1983 Nov;35(1):275–83
Bacillus subtilis requires a 'stringent' Shine-Dalgarno region for gene expression. Band L, et al. DNA 1984;3(1):17–21
Intramolecular recombination during plasmid transformation of Bacillus subtilis competent cells. Michel B, et al. EMBO J 1982;1(12):1565–71
Cloning of the RNA polymerase sigma-55 gene and a regulated promoter of Bacillus subtilis. Doi RH, et al. Folia Biol (Praha) 1984;30 Spec No:36–44
Possible hyperattenuation of transcription in the Escherichia coli hisG gene cloned in Bacillus subtilis. Ferretti L, et al. Folia Biol (Praha) 1984;30 Spec No:29–35
Construction of a vector for cloning promoters in Bacillus subtilis. Band L, et al. Gene 1983 Dec;26(2–3):313–5
Nucleotide sequence of the Bacillus subtilis trpE and trpD genes. Band L, et al. Gene 1984 Jan;27(1):55–65
Molecular cloning of a Bacillus subtilis xylanase gene in Escherichia coli. Bernier R Jr, et al. Gene 1983 Dec; 26(1):59–65
Molecular cloning and expression of a Bacillus subtilis beta-glucanase gene in Escherichia coli. Cantwell BA, et al. Gene 1983 Aug;23(2):211–9
Cloning and expression of the Escherichia coli recA gene in Bacillus subtilis. de Vos WM, et al. Gene 1983 Nov; 25(2–3):301–8
Chloramphenicol-inducible gene expression in Bacillus subtilis. Duvall EJ, et al. Gene 1983 Oct;24(2–3):171–7
Transfer and expression of recombinant plasmids carrying pneumococcal mal genes in Bacillus subtilis. Espinosa M, et al. Gene 1984 Jun;28(3):301–10
Molecular cloning in Bacillus subtilis of a Bacillus licheniformis gene encoding a thermostable alpha amylase. Ortlepp SA, et al. Gene 1983 Sep;23(3):267–76
Cloning DNA from the replication terminus region of the Bacillus subtilis chromosome. Weiss AS, et al. Gene 1983 Sep;24(1):83–91
Construction of a Bacillus subtilis cloning vehicle with heterologous DNA sequence. Yoshimura K, et al. Gene 1983 Oct;24(2–3):255–63
Identification of mutations associated with macrofiber formation in Bacillus subtilis. Saxe CL 3d, et al. Genetics 1984 Aug;107(4):551–61
Effects of oxygen and sulphydryl-containing compounds on irradiated transforming DNA. II. Glutathione, cysteine and cysteamine. Held KD, et al. Int J Radiat Biol 1984 Jun; 45(6):615–26
Effects of oxygen and sulphydryl-containing compounds on irradiated transforming DNA. III. Reaction rates. Held KD, et al. Int J Radiat Biol 1984 Jun;45(6):627–36
New chloramphenicol resistance locus in Bacillus subtilis. Anderson LM, et al. J Bacteriol 1984 Apr;158(1):386–8
Cloning of sporulation gene spoIIG in Bacillus subtilis. Ayaki H, et al. J Bacteriol 1984 May;158(2):507–12
Order of ribosomal protein genes in the Rif cluster of Bacillus subtilis is identical to that of Escherichia coli. Dabbs ER. J Bacteriol 1984 Aug;159(2):770–2
A pair of Bacillus subtilis ribosomal protein genes mapping outside the principal ribosomal protein cluster. Dabbs ER. J Bacteriol 1983 Nov;156(2):966–9
Promoter-probe plasmid for Bacillus subtilis. Donnelly CE, et al. J Bacteriol 1984 Mar;157(3):965–7
Regulatory regions that control expression of two chloramphenicol-inducible cat genes cloned in Bacillus subtilis. Duvall EJ, et al. J Bacteriol 1984 Jun;158(3):784–90
Biochemical and genetic characterization of the tet determinant of Bacillus plasmid pAB124. Eccles SJ, et al. J Bacteriol 1984 Apr;158(1):134–40
Expression of the Bacillus subtilis glutamine synthetase gene in Escherichia coli. Gardner AL, et al. J Bacteriol 1984 Jun;158(3):967–71
Biosynthesis of Bacillus licheniformis penicillinase in Escherichia coli and in Bacillus subtilis. Hayashi S, et al. J Bacteriol 1983 Nov;156(2):773–7
Genetic analysis of a streptomycin-resistant

oligosporogenous Bacillus subtilis mutant. Henkin TM, et al. **J Bacteriol** 1984 Jan;157(1):202–10

Restriction and modification in Bacillus subtilis: sequence specificities of restriction/modification systems BsuM, BsuE, and BsuF. Jentsch S. **J Bacteriol** 1983 Nov; 156(2):800–8

Expression of Bacillus megaterium and Bacillus subtilis small acid–soluble spore protein genes during stationary–phase growth of asporogenous B. subtilis mutants. Mason JM, et al. **J Bacteriol** 1984 Mar;157(3):931–3

New mutation affecting the synthesis of some membrane proteins and sporulation in Bacillus subtilis. Matsuzaki S, et al. **J Bacteriol** 1984 Jul;159(1):228–32

Molecular cloning with bifunctional plasmid vectors in Bacillus subtilis: isolation of a spontaneous mutant of Bacillus subtilis with enhanced transformability for Escherichia coli–propagated chimeric plasmid DNA. Ostroff GR, et al. **J Bacteriol** 1983 Nov;156(2):934–6

Transfection of Bacillus subtilis protoplasts by bacteriophage phi do7 DNA. Perkins JB, et al. **J Bacteriol** 1983 Nov; 156(2):931–3

D-(–)-poly–beta–hydroxybutyrate in membranes of genetically competent bacteria. Reusch RN, et al. **J Bacteriol** 1983 Nov;156(2):778–88

Genes controlling xylan utilization by Bacillus subtilis. Roncero MI. **J Bacteriol** 1983 Oct;156(1):257–63

Use of chromosomal integration in the establishment and expression of blaZ, a Staphylococcus aureus beta–lactamase gene, in Bacillus subtilis. Saunders CW, et al. **J Bacteriol** 1984 Mar;157(3):718–26

Transformation in Bacillus subtilis: a 75,000–dalton protein complex is involved in binding and entry of donor DNA. Smith H, et al. **J Bacteriol** 1984 Mar;157(3):733–8

Genome organization of Sp beta c2 bacteriophage carrying the thyP3 gene. Spancake GA, et al. **J Bacteriol** 1984 Feb; 157(2):428–34

Replacement of the Bacillus subtilis subtilisin structural gene with an In vitro–derived deletion mutation. Stahl ML, et al. **J Bacteriol** 1984 May;158(2):411–8

Molecular cloning of a major cell wall protein gene from protein–producing Bacillus brevis 47 and its expression in Escherichia coli and Bacillus subtilis. Tsukagoshi N, et al. **J Bacteriol** 1984 Jun;158(3):1054–60

Introduction of a Streptococcus cremoris plasmid in Bacillus subtilis. Vosman B, et al. **J Bacteriol** 1983 Nov;156(2):920–1

Bacillus subtilis spo0H gene. Weir J, et al. **J Bacteriol** 1984 Feb;157(2):405–12

Alpha–amylase genes (amyR2 and amyE+) from an alpha–amylase–hyperproducing Bacillus subtilis strain: molecular cloning and nucleotide sequences. Yamazaki H, et al. **J Bacteriol** 1983 Oct;156(1):327–37

Cloning of leucine genes of alkalophilic Bacillus No. 221 in E. coli and B. subtilis. Honda H, et al. **J Biochem (Tokyo)** 1984 May;95(5):1485–90

Accumulation of relA gene–independent ppGpp in Bacillus subtilis vegetative cells upon temperature shift–down. Ikehara K, et al. **J Biochem (Tokyo)** 1984 Mar;95(3):895–7

Overproduction and purification of a bacteriophage SPO1–encoded RNA polymerase sigma factor. Costanzo M, et al. **J Biol Chem** 1984 May 25;259(10):6681–5

Two large clusters with thirty–seven transfer RNA genes adjacent to ribosomal RNA gene sets in Bacillus subtilis. Sequence and organization of trrnD and trrnE gene clusters. Wawrousek EF, et al. **J Biol Chem** 1984 Mar 25; 259(6):3694–702

Utilization of a Bacillus subtilis sigma 37 promoter by Escherichia coli RNA polymerase in vivo. Wong SL, et al. **J Biol Chem** 1984 Aug 10;259(15):9762–7

Cloning of sporulation gene spoIIC in Bacillus subtilis. Anaguchi H, et al. **J Gen Microbiol** 1984 Apr;130 (Pt 4):757–60

Bacillus subtilis 168 mutants resistant to arginine hydroxamate in the presence of ornithine or citrulline. Baumberg S, et al. **J Gen Microbiol** 1984 May;130 (Pt 5):1247–52

The pattern of protein synthesis in spoIVC mutants of Bacillus subtilis resuspended in sporulation medium. Boschwitz H, et al. **J Gen Microbiol** 1983 Oct;129 (Pt 10):3211–4

Restriction enzyme analysis of Bacillus subtilis bacteriophage phi 105 DNA. Bugaichuk UD, et al. **J Gen Microbiol** 1984 Aug;130 (Pt 8):2165–7

Use of the Escherichia coli transposon Tn1000 (gamma delta) to generate mutations in Bacillus subtilis DNA. de Lencastre H, et al. **J Gen Microbiol** 1983 Oct;129 (Pt 10):3203–10

Genetic and phenotypic characterization of a cluster of mutations in the spoVA locus of Bacillus subtilis. Errington J, et al. **J Gen Microbiol** 1984 Aug;130 (Pt 8):2115–21

Variety of sporulation phenotypes resulting from mutations in a single regulatory locus, spoIIA, in Bacillus subtilis. Errington J, et al. **J Gen Microbiol** 1983 Jul;129 (Pt 7):2091–101

Nucleotide sequence of sporulation locus spoIIA in Bacillus subtilis. Fort P, et al. **J Gen Microbiol** 1984 Aug;130 (Pt 8):2147–53

Cloning and expression of a Bacillus subtilis Endo–1,3–1,4–beta–D–glucanase gene in Escherichia coli K12. Hinchliffe E. **J Gen Microbiol** 1984 May;130 (Pt 5):1285–91

Comparative studies on extracellular penicillinases of the same structural gene, penP, expressed in Bacillus licheniformis and Bacillus subtilis. Imanaka T, et al. **J Gen Microbiol** 1983 Aug;129 (Pt 8):2621–8

Construction and characterization of recombinant phage phi 105 d(Cmrmet) for cloning in Bacillus subtilis. Jenkinson HF, et al. **J Gen Microbiol** 1984 Aug;130 (Pt 8):2155–64

Cloning of the Bacillus sub:ilis lys and spoIIIB genes in phage phi 105. Jenkinson HF, et al. **J Gen Microbiol** 1983 Jul; 129 (Pt 7):2229–40

Altered arrangement of proteins in the spore coat of a germination mutant of Bacillus subtilis. Jenkinson HF. **J Gen Microbiol** 1983 Jun;129 (Pt 6):1945–58

Use of temperature–sensitive mutants to study gene expression of two closely linked sporulation loci in Bacillus subtilis. Lamont IL, et al. **J Gen Microbiol** 1984 May;130 (Pt 5):1263–9

Identification of a new sporulation locus, spoIIIF, in Bacillus subtilis. Lamont IL, et al. **J Gen Microbiol** 1984 May;130 (Pt 5):1253–61

Cloning of an unstable spoIIA–tyrA fragment from Bacillus subtilis. Mahler I, et al. **J Gen Microbiol** 1984 Feb;130 (Pt 2):411–21

Use of integrational plasmid vectors to demonstrate the polycistronic nature of a transcriptional unit (spoIIA) required for sporulation of Bacillus subtilis. Piggot PJ, et al. **J Gen Microbiol** 1984 Aug;130 (Pt 8):2123–36

Bacillus subtilis mutation blocking irreversible binding of bacteriophage SPP1. Santos MA, et al. **J Gen Microbiol** 1983 Nov;129 (Pt 11):3499–504

Cloning of the Bacillus subtilis spoIIA and spoV A loci in phage phi 105DI:1t. Savva D, et al. **J Gen Microbiol** 1984 Aug;130 (Pt 8):2137–45

Gene amplification in Bacillus subtilis. Young M. **J Gen Microbiol** 1984 Jul;130 (Pt 7):1613–21

The mechanism of insertion of a segment of heterologous DNA into the chromosome of bacillus subtilis. Young M. **J Gen Microbiol** 1983 May;129 (Pt 5):1497–512

A promoter whose utilization is temporally regulated during sporulation in Bacillus subtilis. Stephens MA, et al. **J Mol Biol** 1984 Jul 5;176(3):333–48

Promoter recognition by sigma–37 RNA polymerase from Bacillus subtilis. Tatti KM, et al. **J Mol Biol** 1984 May 25;175(3):285–97

Restriction map of DNA spanning the replication terminus of the Bacillus subtilis chromosome. Weiss AS, et al. **J Mol Biol** 1983 Dec 5;171(2):119–37

Bacteriophage phi 29 proteins required for in vitro DNA–gp3 packaging. Bjornsti MA, et al. **J Virol** 1984 Jun; 50(3):766–72

Arrangement of loci within the principal cluster of ribosomal protein genes of Bacillus subtilis. Dabbs ER. **MGG** 1983; 192(1–2):124–30

Mapping of the genes for Bacillus subtilis ribosomal proteins S6 and S16: comparison of the chromosomal distribution of ribosomal protein genes in this bacterium with the distribution in Escherichia coli. Dabbs ER. **MGG** 1983; 192(3):386–90

Functional substitution of the recE gene of Bacillus subtilis by the recA gene of Proteus mirabilis. Eitner G, et al. **MGG** 1984;195(3):516–22

A temporally regulated promoter from Bacillus subtilis is transcribed only by an RNA polymerase with a 37,000 dalton sigma factor. Goldfarb DS, et al. **MGG** 1983; 191(2):319–25

Genetic mapping of a mutation causing an alteration in Bacillus subtilis ribosomal protein S4. Henkin TM, et al. **MGG** 1984;193(2):364–9

Plasmid transformation in Bacillus subtilis. Effects of the insertion of Bacillus subtilis rRNA genes into plasmids. Iglesias A, et al. **MGG** 1983;192(1–2):149–54

Isolation and mapping of a new suppressor mutation of an early sporulation gene spoOF mutation in Bacillus subtilis. Kawamura F, et al. **MGG** 1983;192(3):330–4

Physical structure and genetic expression of the sulfonamide–resistance plasmid pLS80 and its derivatives in Streptococcus pneumoniae and Bacillus subtilis. Lopez P, et al. **MGG** 1984;195(3):403–10

Intracellular effects of phage phi W–14 DNA on transformation of Bacillus subtilis. Lopez P, et al. **MGG** 1984;193(1):85–91

Prophage induction in thermosensitive DNA mutants of Bacillus subtilis. Mauël C, et al. **MGG** 1984;194(3):451–6

Molecular cloning with bifunctional plasmid vectors in Bacillus subtilis. II. Transfer of sequences propagated in Escherichia coli to B. subtilis. Ostroff GR, et al. **MGG** 1984;193(2):306–11

Molecular cloning with bifunctional plasmid vectors in Bacillus subtilis. I. Construction and analysis of B. subtilis clone banks in Escherichia coli. Ostroff GR, et al. **MGG** 1984;193(2):299–305

Involvement of single–strand breaks in complex formation between single–stranded DNA and nucleoids of Bacillus subtilis. van Randen J, et al. **MGG** 1984;193(3):500–6

A novel method for the rapid cloning in Escherichia coli of Bacillus subtilis chromosomal DNA adjacent to Tn917 insertions. Youngman P, et al. **MGG** 1984;195(3):424–33

Influence of temperature–induced competence in the genetic transformation of Bacillus subtilis. Lopez P, et al. **Microbios** 1983;38(153–154):205–16

Mutations in Salmonella typhimurium and inactivation of Bacillus subtilis transforming DNA induced by phenylhydroxylamine derivatives. Nohmi T, et al. **Mutat Res** 1984 Jun;136(3):159–68

Expression of the mouse dihydrofolate reductase cDNA in B. subtilis: a system to select mutant cDNAs coding for methotrexate resistant enzymes. Grange T, et al. **Nucleic Acids Res** 1984 Apr 25;12(8):3585–601

Overproduction and purification of the connector protein of Bacillus subtilis phage phi 29. Ibáñez C, et al. **Nucleic Acids Res** 1984 Mar 12;12(5):2351–65

Cloning the gyrA gene of Bacillus subtilis. Lampe MF, et al. **Nucleic Acids Res** 1984 Aug 10;12(15):6307–23

Ribosomal RNA precursors of Bacillus subtilis. Loughney K, et al. **Nucleic Acids Res** 1983 Oct 11;11(19):6709–21

Initiation of phage phi 29 DNA replication by the terminal protein modified at the carboxyl end. Mellado RP, et al. **Nucleic Acids Res** 1983 Nov 11;11(21):7397–407

Structure and organization of rRNA operons in the region of the replication origin of the Bacillus subtilis chromosome. Ogasawara N, et al. **Nucleic Acids Res** 1983 Sep 24;11(18):6301–18

In vitro transcription of the Bacillus subtilis phage phi 29 DNA by Bacillus subtilis and Escherichia coli RNA polymerases. Sogo JM, et al. **Nucleic Acids Res** 1984 Feb 24;12(4):1943–60

DNA sequence of the tandem ribosomal RNA promoter for B. subtilis operon rrnB. Stewart GC, et al. **Nucleic Acids Res** 1983 Sep 24;11(18):6289–300

Cloning, sequencing, and secretion of Bacillus amyloliquefaciens subtilisin in Bacillus subtilis. Wells JA, et al. **Nucleic Acids Res** 1983 Nov 25;11(22):7911–25

Intermolecular recombination during transformation of Bacillus subtilis competent cells by monomeric and dimeric plasmids. Michel B, et al. **Plasmid** 1983 Jul;10(1):1–10

Isolation of a tetracycline–resistance plasmid excised from a chromosomal DNA sequence in Bacillus subtilis. Shishido K, et al. **Plasmid** 1983 Nov;10(3):224–34

Template requirements for initiation of phage phi 29 DNA replication in vitro. García JA, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(1):80–4

Generation of deletions in pneumococcal mal genes cloned in Bacillus subtilis. Lopez P, et al. **Proc Natl Acad Sci USA** 1984 Aug;81(16):5189–93

Replication of bacteriophage phi 29 DNA in vitro: the roles of terminal protein and DNA polymerase. Watabe K, et al. **Proc Natl Acad Sci USA** 1984 Sep;81(17):5374–8

The subtilisin E gene of Bacillus subtilis is transcribed from a sigma 37 promoter in vivo. Wong SL, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(4):1184–8

Use of the Escherichia coli lac repressor and operator to control gene expression in Bacillus subtilis. Yansura DG, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(2):439–43

Similar ultraviolet action spectra for the protection by glycerol of transforming DNA against single–strand breaks and inactivation of biological activity. Peak JG, et al. **Radiat Res** 1984 Mar;97(3):570–5

The use of a B subtilis in a pre–incubation assay for the detection of dna–modifying agents. Donnelly KC, et al. **Res Commun Chem Pathol Pharmacol** 1983 Oct; 42(1):135–43

Formation of additional contacts of chromosome with membrane in the process of DNA repair synthesis in bacterial cells. Bezlepkin VG, et al. **Z Allg Mikrobiol** 1983; 23(10):607–19

Transformation in Bacillus subtilis: different affinities for DNA–binding to competent cells and to membrane vesicles. López P, et al. **Zentralbl Mikrobiol** 1983; 138(8):643–54

[Vectors of cloning system in Bacillus subtilis. I. Recombination of hybrid plasmids, pHE1–a and pHE1–b] Zhang ZY, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1983 Jun; 5(3):139–45 (Eng. Abstr.) **(Chi)**

[Vectors of a cloning system for Bacillus subtilis. II. Reconstruction of hybrid plasmids, pHE1–a and pHE1–b] Zhang ZY, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1983 Aug; 5(4):205–9 (Eng. Abstr.) **(Chi)**

[Study of Bacillus subtilis as a cloning system] Zhang ZY. **Sheng Li Ko Hsueh Chin Chan** 1983 Jul;14(3):209–15 (64 ref.) **(Chi)**

[Gene expression in Gram–positive bacteria] Horinouchi S. **Tanpakushitsu Kakusan Koso** 1983 Dec;28(14):1468–79 (43 ref.) **(Jpn)**

[Mutagenic action of O–methlhydroxylamide on transforming DNA] Bresler SE, et al. **Genetika (Moskva)** 1983 Sep;19(9):1397–403 (Eng. Abstr.) **(Rus)**

[Transformation of competent Bacillus subtilis cells by chromosomal and plasmid DNA incorporated in liposomes] Glumova EF, et al. **Genetika (Moskva)** 1983 Dec; 19(12):1958–64 (Eng. Abstr.) **(Rus)**

[Cloning in Bacillus subtilis cells of the Bacillus mesentericus genes that determine the enzyme synthesis of tryptophan metabolism] Malkov SV, et al. **Genetika (Moskva)** 1983 Nov;19(11):1753–9 (Eng. Abstr.) **(Rus)**

[Cloning of the Bacillus subtilis DNA fragment containing the genes for lysine and riboflavin biosynthesis] Okunev OV, et al. **Genetika (Moskva)** 1984 Jul;20(7):1061–6 (Eng. Abstr.) **(Rus)**

[Cloning of the purA16 locus in Rec+ cells of Bacillus subtilis] Poluéktova EU, et al. **Genetika (Moskva)** 1984 Jun; 20(6):943–8 (Eng. Abstr.) **(Rus)**

[Cloning of genetic material in Bacillus] Rabinovich PM, et al. **Mol Biol (Mosk)** 1984 Jan–Feb;18(1):189–96 (Eng. Abstr.) **(Rus)**

[Expression of the genes for lysine biosynthesis of Bacillus subtilis in Escherichia coli cells] Shevchenko TN, et al. **Tsitol Genet** 1984 Jan-Feb;18(1):58-60 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Bacterial protein production from sugar cane bagasse pith. Molina OE, et al. **Acta Cient Venez** 1983;34(1):59-64

Stability and synthesis of the penicillin-binding proteins during sporulation. Buchanan CE, et al. **J Bacteriol** 1983 Nov;156(2):545-51

Helical macrofiber formation in Bacillus subtilis: inhibition by penicillin G. Zaritsky A, et al. **J Bacteriol** 1984 Jun; 158(3):1182-7

[Growth of test microorganisms used in determining antibiotic activity on synthetic nutrient media] Vasil'eva NG, et al. **Antibiotiki** 1984 Jun;29(6):403-7 (Eng. Abstr.) **(Rus)**

[Growth indices of Bacillus subtilis clones transformed by staphylococcal plasmid DNA] Ivanov NA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Jul;(7):38-41 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

[Evaluation of some immunologic parameters in children with recurrent otitis treated with spores of Bacillus subtilis] Galli E, et al. **Clin Ter** 1984 May 31;109(4):329-34 (Eng. Abstr.) **(Ita)**

ISOLATION & PURIFICATION

Isolation and characterization of Bacillus subtilis mutants altered in competence. Fani R, et al. **J Bacteriol** 1984 Jan; 157(1):152-7

METABOLISM

Lysine excretion by S-(2-aminoethyl)L-cysteine resistant mutants of Bacillus subtilis. Chaudhuri A, et al. **Acta Microbiol Pol** 1983;32(1):37-45

Non-protein-bound iron within bacterial cells and the action of bleomycin. Gutteridge JM, et al. **Biochem Int** 1984 Jan; 8(1):89-94

Changes in membrane-associated proteins during sporulation in Bacillus subtilis. Rhaese HJ, et al. **Eur J Biochem** 1984 Mar 15;139(3):593-603

The interaction of Bacillus protoplasts with sonicated phosphatidylcholine liposomes. Urbaneja MA, et al. **FEBS Lett** 1984 Apr 9;169(1):40-4

Gilvocarcins, new antitumor antibiotics. 5. Biosynthesis of gilvocarcins: incorporation of 13C-labeled compounds into gilvocarcin aglycones. Takahashi K, et al. **J Antibiot (Tokyo)** 1983 Nov;36(11):1531-5

Specificity and control of uptake of purines and other compounds in Bacillus subtilis. Beaman TC, et al. **J Bacteriol** 1983 Dec;156(3):1107-17

Rates of peptidoglycan turnover and cell growth of Bacillus subtilis are correlated. Cheung HY, et al. **J Bacteriol** 1983 Dec;156(3):1099-106

Effect of purine and pyrimidine limitations on RNA synthesis in Bacillus subtilis. Vasantha N, et al. **J Bacteriol** 1984 Jun; 158(3):884-9

Absence of correlation between rates of cell wall turnover and autolysis shown by Bacillus subtilis mutants. Vitković L, et al. **J Bacteriol** 1984 Jan;157(1):318-20

Synthesis of peptidoglycan by high molecular weight penicillin-binding proteins of Bacillus subtilis and Bacillus stearothermophilus. Jackson GE, et al. **J Biol Chem** 1984 Feb 10;259(3):1483-90

Initiation of DNA replication in vitro by a DNA-membrane complex extracted from Bacillus subtilis. Benjamin P, et al. **Proc Natl Acad Sci USA** 1983 Oct;80(20):6214-8

[Protein biosynthesis following heat shock in Bacillus subtilis] Wachlin G, et al. **Z Allg Mikrobiol** 1984;24(6):397-401 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Effect of oxafun on the antibiosis between Bacillus subtilis and Phoma betae. Balicka N, et al. **Acta Microbiol Pol** 1983; 32(2):185-9

Quasi-elastic light scattering studies on dormant and germinating Bacillus subtilis spores. Harding SE, et al. **Biochem J** 1984 May 15;220(1):117-23

Cellular responses of Bacillus subtilis and Escherichia coli to the Gram stain. Beveridge TJ, et al. **J Bacteriol** 1983 Nov;156(2):846-58

Density gradient analysis of DNA replicated during Bacillus subtilis sporulation. Binnie C, et al. **J Bacteriol** 1983 Oct; 156(1):466-70

Voltage clamp effects on bacterial chemotaxis. Margolin Y, et al. **J Bacteriol** 1984 Aug;159(2):605-10

Sporulation promoting factor in vegetative cells of Bacillus subtilis. Hachisuka Y, et al. **Microbiol Immunol** 1983; 27(12):1005-19

Relation between D-glucose and L- and D-alanine in the initiation of germination of Bacillus subtilis spore. Yasuda Y, et al. **Microbiol Immunol** 1984;28(2):197-207

Selective expression of a plasmid cat gene at a late stage of Bacillus subtilis sporulation. Mongkolsuk S, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(11):3457-60

RADIATION EFFECTS

Photobiology in space: an experiment on Spacelab I. Horneck G, et al. **Orig Life** 1984;14(1-4):825-32

ULTRASTRUCTURE

Triple fixation of Bacillus subtilis dormant spores. Kozuka S, et al. **J Bacteriol** 1983 Oct;156(1):409-13

Insertion and fate of the cell wall in Bacillus subtilis. Mobley HL, et al. **J Bacteriol** 1984 Apr;158(1):169-79

Morphological and genetic characterization of a bacteriophage-resistant Bacillus subtilis macrofiber-producing strain. Saxe CL 3d, et al. **J Bacteriol** 1984 Jan;157(1):109-14

Twisted states of Bacillus subtilis macrofibers reflect structural states of the cell wall. Mendelson NH, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(11):3562-6

[Effect of gramicidin S and its derivatives on protoplasts of Bacillus subtilis] Petrykina ZM, et al. **Antibiotiki** 1984 Apr; 29(4):253-7 (Eng. Abstr.) **(Rus)**

[Experimental insertion of eukaryotic DNA into the chromosome of the bacterial cell] Bashkirov VI, et al. **Dokl Akad Nauk SSSR** 1984;276(6):1491-4 **(Rus)**

BACILLUS THURINGIENSIS

Larvicidal activity of Bacillus thuringiensis subsp. israelensis in the dipteran Haematobia irritans. Temeyer KB. **Appl Environ Microbiol** 1984 May;47(5):952-5

Small scale field trials with Bacillus thuringiensis variety israelensis H-14 strain against larvae of anopheline and culicine mosquitoes. Sharma SK, et al. **J Commun Dis** 1983 Dec;15(4):223-34

Effect of formulation, concentration, and application time on the efficacy of Bacillus thuringiensis (H-14) against black fly (Diptera: Simuliidae) larvae under natural conditions. Lacey LA, et al. **J Econ Entomol** 1984 Apr; 77(2):412-8

Ocular infection caused by a biological insecticide. Samples JR, et al. **J Infect Dis** 1983 Sep;148(3):614

Laboratory and field evaluations of industrial formulations of Bacillus thuringiensis serovar. israelensis against some mosquito species of central Italy. Majori G, et al. **J Invertebr Pathol** 1984 May;43(3):316-23

[Studies on the prolongation of mosquito larvicidal effect of Bacillus thuringiensis var israelensis] Xu QF. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1983 Nov; 17(6):333-5 (Eng. Abstr.) **(Chi)**

[Field trials of Bac. thuringiensis Berl. preparations on the larvae of Anopheles atroparvus Thiel. and Culex modestus Fic. mosquitoes. 2.] Sokolova EI, et al. **Med Parazitol (Mosk)** 1984 Jan-Feb;(1):28-30 (Eng. Abstr.) **(Rus)**

[Efficacy of bactoculicide in controlling the larvae of malaria mosquitoes] Borisenko IA, et al. **Voen Med Zh** 1984 Mar; (3):44-5 **(Rus)**

ANALYSIS

[Action of the delta-endotoxin of Bacillus thuringiensis var. israelensis on cultured cells from Aedes aegypti L.] Charles JF. **Ann Microbiol (Paris)** 1983 May-Jun;134(3):365-81 (Eng. Abstr.) **(Fre)**

[Estimation of the spectrum of the aerial dispersion of Bacillus thuringiensis] Smirnoff WA, et al. **Can J Microbiol** 1983 Oct;29(10):1277-9 (Eng. Abstr.) **(Fre)**

CLASSIFICATION

[Transduction of strains of Bacillus thuringiensis serotype XIV] Stepanova TV, et al. **Dokl Akad Nauk SSSR** 1983; 271(3):735-7 **(Rus)**

[Use of the 14th serotype of Bacillus thuringiensis Berl. against the larvae of blood-sucking mosquitoes] Volzhinskiĭ DV, et al. **Med Parazitol (Mosk)** 1984 May-Jun;(3):69-73 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

[Effect of amino acids on exoprotease synthesis by Bacillus thuringiensis] Egorov NS, et al. **Prikl Biokhim Mikrobiol** 1983 Sep-Oct;19(5):610-6 (Eng. Abstr.) **(Rus)**

[Effect of gramicidin D on the exoprotease activity of Bacillus thuringiensis] Puchkov EO, et al. **Prikl Biokhim Mikrobiol** 1983 Sep-Oct;19(5):599-602 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

The inactivation of glucosamine synthetase from bacteria by anticapsin, the C-terminal epoxyamino acid of the antibiotic tetaine. Chmara H, et al. **Biochim Biophys Acta** 1984 May 31;787(1):45-52

[Site-specific restriction endonuclease from a strain of Bacillus thuringiensis] Azizbekian RR, et al. **Dokl Akad Nauk SSSR** 1984;274(3):742-4 **(Rus)**

[Regulation of exoprotease synthesis in Bacillus thuringiensis] Egorov NS, et al. **Izv Akad Nauk SSSR [Biol]** 1984 Mar-Apr;(2):165-76 (Eng. Abstr.) **(Rus)**

[Effect of proteins on exoprotease synthesis by Bacillus thuringiensis] Egorov NS, et al. **Mikrobiologiia** 1983 Jul-Aug;52(4):569-72 (Eng. Abstr.) **(Rus)**

GENETICS

Cloning and expression of the crystal protein genes from Bacillus thuringiensis strain berliner 1715. Klier A, et al. **EMBO J** 1982;1(7):791-9

Chromosomal mapping of Bacillus thuringiensis by transduction. Barsomian GD, et al. **J Bacteriol** 1984 Mar; 157(3):746-50

Interspecies transduction of plasmids among Bacillus anthracis, B. cereus, and B. thuringiensis. Ruhfel RE, et al. **J Bacteriol** 1984 Mar;157(3):708-11

Isolation of a DNA sequence related to several plasmids from Bacillus thuringiensis after a mating involving the Streptococcus faecalis plasmid pAM beta 1. Lereclus D, et al. **MGG** 1983;191(2):307-13

A large transmissible plasmid is required for crystal toxin production in Bacillus thuringiensis variety israelensis. González JM Jr, et al. **Plasmid** 1984 Jan;11(1):28-38

[Transformation of Bacillus cereus protoplasts with the plasmid DNA from Bacillus thuringiensis transformants] Shivarova N, et al. **Acta Microbiol Bulg** 1983;13:11-5 (Eng. Abstr.) **(Bul)**

[Transduction of strains of Bacillus thuringiensis serotype XIV] Stepanova TV, et al. **Dokl Akad Nauk SSSR** 1983; 271(3):735-7 **(Rus)**

[Interspecific recombinants of Bacillus thuringiensis x Bacillus cereus] Belykh RA, et al. **Genetika (Moskva)** 1983 Oct;19(10):1616-23 (Eng. Abstr.) **(Rus)**

[Intervariant transduction in Bacillus thuringiensis] Pogosbekova MR, et al. **Genetika (Moskva)** 1984 Jan; 20(1):187-9 (Eng. Abstr.) **(Rus)**

[Bacteriocinogenic plasmids of Bacillus thuringiensis] Riabchenko NF, et al. **Genetika (Moskva)** 1984 Jul; 20(7):1067-70 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Medium for the production of primary powder of Bacillus thuringiensis subsp. israelensis. Obeta JA, et al. **Appl Environ Microbiol** 1984 Apr;47(4):863-7

[Variability of Bacillus thuringiensis under various growth conditions] Blokhina TP, et al. **Mikrobiologiia** 1984 May-Jun;53(3):427-31 (Eng. Abstr.) **(Rus)**

[Optimization of a synthetic nutrient medium for culturing Bacillus thuringiensis] Kuznetsov LE, et al. **Mikrobiologiia** 1984 Jan-Feb;53(1):54-7 (Eng. Abstr.) **(Rus)**

[Synthetic medium for cultivating Bacillus thuringiensis] Kuznetsov LE, et al. **Mikrobiologiia** 1983 Jul-Aug; 52(4):663-6 (Eng. Abstr.) **(Rus)**

METABOLISM

Two types of entomocidal toxins in the parasporal crystals of Bacillus thuringiensis kurstaki. Yamamoto T, et al. **Arch Biochem Biophys** 1983 Nov;227(1):233-41

Characterization of inhibitor A, a protease from Bacillus thuringiensis which degrades attacins and cecropins, two classes of antibacterial proteins in insects. Dalhammar G, et al. **Eur J Biochem** 1984 Mar 1;139(2):247-52

Regulation of protoxin synthesis in Bacillus thuringiensis. Minnich SA, et al. **J Bacteriol** 1984 May;158(2):447-54

PATHOGENICITY

Laboratory trials with Bacillus thuringiensis serotype H-14 in controlling mosquito larvae. Bekheit SS. **J Egypt Soc Parasitol** 1984 Jun;14(1):71-6

Bacillus thuringiensis var israelensis: protoxin activation and safety [letter] Warren RE, et al. **Lancet** 1984 Mar 24; 1(8378):678-9

[Comparative action of solubilized crystals of H-14 and H-1 serotypes of Bacillus thuringiensis on cultures of Aedes aegypti cells] Laurent P, et al. **Ann Microbiol (Paris)** 1984 May-Jun;135(3):473-84 (Eng. Abstr.) **(Fre)**

[The effects of Bacillus thuringiensis on the greater wax moth, Galleria mellonella (L.) (Lepidoptera: Galleriidae)] Boşgelmez A, et al. **Mikrobiyol Bul** 1983 Oct;17(4):233-42 (Eng. Abstr.) **(Tur)**

PHYSIOLOGY

Toxicity of Bacillus thuringiensis subsp. israelensis to adult Aedes aegypti mosquitoes. Klowden MJ, et al. **Appl Environ Microbiol** 1983 Aug;46(2):312-5

Utilization of fodder yeast and agro-industrial by-products in production of spores and biologically - active endotoxins from Bacillus thuringiensis. Salama HS, et al. **Zentralbl Mikrobiol** 1983;138(7):553-63

[Pathogenesis of Bacillus thuringiensis Var. israelensis in killing larva of mosquitoes and its application] Tan CY. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1983 Dec; 4(6):370-2 **(Chi)**

[Analysis of the changes in the electrophysical and morphometric parameters in the growth and sporulation periods of Bacillus thuringiensis] Brezgunov VN, et al. **Mikrobiologiia** 1984 May-Jun;53(3):381-6 (Eng. Abstr.) **(Rus)**

[Effect of temperature and aeration on Bacillus thuringiensis growth and sporulation] Ignatenko IuN, et al. **Mikrobiologiia** 1983 Sep-Oct;52(5):716-8 (Eng. Abstr.) **(Rus)**

[Sporulation and crystal formation in Bacillus thuringiensis during growth limitation via nutrient sources] Sakharova ZV, et al. **Mikrobiologiia** 1984 Mar-Apr;53(2):279-84 (Eng.

Abstr.) (Rus)

ULTRASTRUCTURE

[Ultrastructure of the bacterial spores and crystals of various Bacillus thuringiensis serotypes] Smirnova TA, et al. **Mikrobiologiia** 1984 May–Jun;53(3):455–62 (Eng. Abstr.) (Rus)

BACITRACIN

ADMINISTRATION & DOSAGE

Efficacy of a topical antibiotic irrigant in decreasing or eliminating bacterial contamination in surgical wounds. Benjamin JB, et al. **Clin Orthop** 1984 Apr;(184):114–7

Umbilical cord care. A study of bacitracin ointment vs. triple dye. Andrich MP, et al. **Clin Pediatr (Phila)** 1984 Jun; 23(6):342–4

[Clinical experiences with a fibrin–nebacetin–spongy bone seal in the treatment of chronic bone infections and as local prophylaxis of infection in uninfected bones] Goudarzi YM. **Aktuel Traumatol** 1983 Oct;13(5):205–9 (Eng. Abstr.) (Ger)

[Indications for and results of intra–abdominal nebacetin instillation in surgical interventions in children] Willital GH. **Fortschr Med** 1983 Sep 15;101(35):1589–92 (Ger)

[Local antibiotic therapy of surgical infections in childhood] Willital GH. **Fortschr Med** 1983 Sep 8;101(34):1538–40 (Ger)

[Orthograde intestinal irrigation with and without the addition of antibiotics. Postoperative results following colon interventions] Gruber J, et al. **MMW** 1983 Dec 16; 125(50):1187–8 (Ger)

ADVERSE EFFECTS

Anaphylaxis following the use of bacitracin ointment. Report of a case and review of the literature. Schechter JF, et al. **Arch Dermatol** 1984 Jul;120(7):909–11

Adverse reactions to bacitracin, polymyxin, and gentamicin sulfate. Fisher AA. **Cutis** 1983 Dec;32(6):510–2, 520

[Use of neomycin–bacitracin irrigating solution with intraoperative autotransfusions during orthopedic operations] Paravicini D, et al. **Arzneimittelforsch** 1983; 33(7):997–9 (Eng. Abstr.) (Ger)

[Hematogenous contact eczema following oral administration of neomycin] Menné T, et al. **Hautarzt** 1984 Jun; 35(6):319–20 (Eng. Abstr.) (Ger)

BIOSYNTHESIS

[Sporulation in Bacillus licheniformis during altered bacitracin synthesis] Lukin AA, et al. **Antibiotiki** 1983 Jul; 28(7):494–7 (Eng. Abstr.) (Rus)

[Effect of amino acids and proteins on bacitracin and exoprotease synthesis by Bacillus licheniformis] Egorov NS, et al. **Mikrobiologiia** 1983 Sep–Oct;52(5):693–7 (Eng. Abstr.) (Rus)

[Effect of temperature on exoprotease and bacitracin synthesis and sporulation in Bacillus licheniformis 28KA] Egorov NS, et al. **Prikl Biokhim Mikrobiol** 1983 Nov–Dec; 19(6):733–7 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

Metabolic effects of bacitracin in isolated rat hepatocytes. Agius L, et al. **Biochem J** 1983 Nov 15;216(2):369–75

The interaction of food additives and protein content in broiler diets. Foster WH, et al. **Br Poult Sci** 1983 Oct; 24(4):455–62

Synergism of the antimicrobial agents miconazole, bacitracin and polymyxin B. Cornelissen F, et al. **Chemotherapy** 1983; 29(6):419–27

Effect of bacitracin and polyamines on follicle-stimulating hormone binding to membrane–bound and detergent–solubilized bovine calf testis receptor. Dias JA, et al. **Endocrinology** 1983 Dec;113(6):2029–34

Differentiation of Staphylococcus and Micrococcus spp. with the Taxo A bacitracin disk. Falk D, et al. **J Clin Microbiol** 1983 Sep;18(3):719–21

Effects of diet and bacitracin on growth, feed efficiency, and populations of Clostridium perfringens in the intestine of broiler chicks. Stutz MW, et al. **Poult Sci** 1983 Aug; 62(8):1619–25

Effects of diet, bacitracin, and body weight restrictions on the intestine of broiler chicks. Stutz MW, et al. **Poult Sci** 1983 Aug;62(8):1626–32

The effect of dietary zinc bacitracin on the resistance status of intestinal Escherichia coli and enterococci from broiler chickens. Walton JR. **Zentralbl Veterinarmed [B]** 1984 Feb; 31(1):1–8

[In vitro action of zinc bacitracin to eliminate drug resistance in Escherichia coli transconjugates] Bineva I, et al. **Vet Med Nauki** 1984;21(1):36–42 (Eng. Abstr.) (Bul)

[Bacitracin, a peptidase inhibitor, increases paradoxical sleep in the cat] Sastre JP, et al. **C R Seances Acad Sci [III]** 1983;296(20):965–8 (Eng. Abstr.) (Fre)

[Effects of rifamycin SV and a neomycin–bacitracin combination on the healing of microbial eczema] Vogt E. **Z Hautkr** 1983 Oct 1;58(19):1399–408 (Eng. Abstr.) (Ger)

[Stress–protecting effects of orally administered zinc bacitracin in rats] Kaemmerer K, et al. **Zentralbl Veterinarmed [A]** 1983 Nov;30(9):712–21 (Eng. Abstr.) (Ger)

THERAPEUTIC USE

Effect of rifampin and bacitracin on nasal carriers of Staphylococcus aureus. McAnally TP, et al. **Antimicrob Agents Chemother** 1984 Apr;25(4):422–6

Efficacy of topical antibiotic therapy in acute conjunctivitis in children. Gigliotti F, et al. **J Pediatr** 1984 Apr; 104(4):623–6

[Local antibiotic therapy of intrathoracic surgical infections in childhood] Willital GH. **Fortschr Med** 1983 Sep 22; 101(36):1631–4 (Ger)

BACK

Soft tissue chondrosarcoma of the back—a case report. Chattopadhyay TK, et al. **Jpn J Surg** 1983 May; 13(3):258–60

[Elastofibroma—histologic and ultrastructural study] Ścukanec-Spoljar M, et al. **Lijec Vjesn** 1984 Feb–Mar; 106(2–3):64–7 (Eng. Abstr.) (Scr)

BLOOD SUPPLY

The vascular anatomy and dissection of the free scapular flap. dos Santos LF. **Plast Reconstr Surg** 1984 Apr; 73(4):599–604

INJURIES

Back injuries in dancers. Micheli LJ. **Clin Sports Med** 1983 Nov;2(3):473–84

Back injuries in the athlete. Spencer CW 3d, et al. **Clin Sports Med** 1983 Mar;2(1):191–215

Assessment of workers' compensation claims for back strains/sprains. Klein BP, et al. **J Occup Med** 1984 Jun; 26(6):443–8

Chelsea Back Program: one year later. Fitzler SL, et al. **Occup Health Saf** 1983 Jul;52(7):52–4

Stretching away from back pain, injury. Locke JC. **Occup Health Saf** 1983 Jul;52(7):8–13

Back injury prevention means education. Melton B. **Occup Health Saf** 1983 Jul;52(7):20–3

Back rehabilitation programs speed recovery of injured workers. Morris A, et al. **Occup Health Saf** 1984 Jul–Aug; 53(7):53–5, 64–8

PHYSIOLOGY

Biomechanical stresses as related to motion trajectory of lifting. Garg A, et al. **Hum Factors** 1983 Oct;25(5):527–39

An anatomic and biomechanic approach to low back health. A preventive approach. Denenberg Segal D. **J Sports Med Phys Fitness** 1983 Dec;23(4):411–21

RADIOGRAPHY

CT appearance of a prosthetic methyl methacrylate mass mistaken for abscess. Beynon J, et al. **Radiology** 1984 Feb; 150(2):506

SURGERY

Surgery in gigantic neurofibromas of the back. Report of 3 cases. Zhang DS, et al. **Chin Med J [Engl]** 1983 Dec; 96(12):893–6

More experience with the 'reverse' latissimus dorsi musculocutaneous flap: precise location of blood supply. Stevenson TR, et al. **Plast Reconstr Surg** 1984 Aug; 74(2):237–43

BACKACHE

Prediction of chronicity in acute low back pain. Murphy KA, et al. **Arch Phys Med Rehabil** 1984 Jun;65(6):334–7

Back pain in the nursing profession. II. The effectiveness of training. Stubbs DA, et al. **Ergonomics** 1983 Aug; 26(8):767–79

The intensity of work recovery in low back pain. Andersson GB, et al. **Spine** 1983 Nov–Dec;8(8):880–4

CEREBROSPINAL FLUID

Prolactin and cortisol in cerebrospinal fluid: sex–related associations with clinical and psychological characteristics of patients with low back pain. Alaranta H, et al. **Psychoneuroendocrinology** 1983;8(3):333–41

CHEMICALLY INDUCED

[Lumbago and epidural analgesia in obstetrics] Neff R. **Rev Med Suisse Romande** 1983 Oct;103(10):859–65 (Fre)

CLASSIFICATION

A proposed simple classification of musculoskeletal pain. Casale FF. **Ann R Coll Surg Engl** 1983 Nov;65(6):407–8

A low–back rating scale. Lehmann TR, et al. **Spine** 1983 Apr;8(3):308–15

COMPLICATIONS

Dyspareunia [letter] Rhodes P. **Br Med J [Clin Res]** 1984 Jun 23;288(6434):1916–7

DIAGNOSIS

Pitfalls in measuring the health status of Mexican Americans: comparative validity of the English and Spanish Sickness Impact Profile. Deyo RA. **Am J Public Health** 1984 Jun; 74(6):569–73

Clinical sacroiliac tests in ankylosing spondylitis and other causes of low back pain—2 studies. Blower PW, et al. **Ann Rheum Dis** 1984 Apr;43(2):192–5

Chronic low back pain. The team approach. Spengler DM. **Clin Orthop** 1983 Oct;(179):71–6

Osteoid osteoma of the neck of the femur simulating the lumboradicular syndrome (2 case reports). Ippolito E, et al. **Ital J Orthop Traumatol** 1983 Dec;9(4):497–500

The MMPI in evaluation of functional versus organic low back pain. Elkins GR, et al. **J Pers Assess** 1984 Jun; 48(3):259–64 (23 ref.)

Low–back pain [letter] Coodley A. **JAMA** 1984 Mar 23–30; 251(12):1553–4

Examination, assessment and treatment of the lumbar spine. Chadwick PR. **Physiotherapy** 1984 Jan;70(1):2–7

Comparative analysis of MMPI form R and MMPI–168 profiles in low back pain patients. Harasymiw SJ, et al. **Scand J Rehabil Med** 1983;15(3):147–53

The Finnish Pain Questionnaire: comparison of descriptions of pain in coronary heart disease and low back pain. Ketovuori H, et al. **Scand J Rehabil Med** 1984;16(2):71–6

Reproducibility of the history of low–back trouble. Biering–Sørensen F, et al. **Spine** 1984 Apr;9(3):280–6

Assessment of severity in low–back disorders. Waddell G, et al. **Spine** 1984 Mar;9(2):204–8

Industrial low–back pain. A prospective evaluation of a standardized diagnostic and treatment protocol. Wiesel SW, et al. **Spine** 1984 Mar;9(2):199–203

[New diagnostic approach to neurosurgical lumbosciatica. Therapeutic implications] Brotchi J, et al. **Bull Mem Acad R Med Belg** 1983;138(8–9):467–76 (Eng. Abstr.) (Fre)

[Differential diagnosis of backache in childhood] Grasshoff H. **Padiatr Grenzgeb** 1983;22(6):409–17 (Eng. Abstr.) (Ger)

[Moiré technic and roentgen stereoscopy as alternative methods of studying the musculoskeletal system] Bujakiewicz A, et al. **Pol Tyg Lek** 1983 Jun 20;38(25):783–6 (Eng. Abstr.) (Pol)

[Lumbalgia in adolescents and young adults] Akhmadov TZ. **Zh Nevropatol Psikhiatr** 1983;83(10):1506–9 (Eng. Abstr.) (Rus)

[The iliolumbar syndrome] Domljan Z, et al. **Lijec Vjesn** 1983 Jul–Aug;105(7–8):287–9 (Eng. Abstr.) (Scr)

[Evaluation of the working capacity and rehabilitation of individuals with the lumboischialgic++ syndrome during their productive years] Matas D, et al. **Reumatizam** 1983; 30(4):95–8 (Eng. Abstr.) (Scr)

DRUG THERAPY

Epicutaneous application of A2358 compresses containing ketocaine for pain relief in labor. A multicenter double–blind trial. Jouppila R, et al. **Acta Obstet Gynecol Scand** 1983;62(4):321–4

Double–blind parallel study of piroxicam versus indomethacin in the treatment of low back pain. Videman T, et al. **Ann Clin Res** 1984;16(3):156–60

Percutaneous steroid therapy of lumbago [letter] Montes LF. **Arch Dermatol** 1984 Mar;120(3):298–9

A comparison of two analgesic muscle relaxant combinations in acute back pain. Middleton RS. **Br J Clin Pract** 1984 Mar;38(3):107–9

The effects of epidural injection of local anesthetics and corticosteroids on patients with lumbosciatic pain. Berman AT, et al. **Clin Orthop** 1984 Sep;(188):144–51

Antidepressants in concomitant chronic back pain and depression: doxepin and desipramine compared. Ward N, et al. **J Clin Psychiatry** 1984 Mar;45(3 Pt 2):54–9

Physician concern over medication intake: a simple measure of medication use. McCauley JD, et al. **Pain** 1983 Aug; 16(4):385–9

Treatment of chronic back pain. Comparing corticosteroid–lignocaine injections with lignocaine alone. Bourne IH. **Practitioner** 1984 Mar;228(1389):333–8

Amitriptyline and chronic low–back pain. A randomized double–blind crossover study. Pheasant H, et al. **Spine** 1983 Jul–Aug;8(5):552–7

[Evaluation of the analgesic activity of zomepirac sodium on sciatica and lower back pain] Pipino F, et al. **Boll Chim Farm** 1984 Jan;123(1):1S–5S (Eng. Abstr.) (Ita)

[The lumbar facet joint syndrome. A prospective study] Lie H, et al. **Tidsskr Nor Laegeforen** 1984 Aug 30; 104(24):1643–7 (Nor)

[Variants of irrigotherapy of lumbosacral radicular syndromes] Nelmark EZ, et al. **Vrach Delo** 1984 Mar; (3):97–9 (Eng. Abstr.) (Rus)

ECONOMICS

Compensation and recovery from injury. Beals RK. **West J Med** 1984 Feb;140(2):233–7

ETIOLOGY

'Vespers Curse' night pain—the bane of Hypnos. LaBan MM. **Arch Phys Med Rehabil** 1984 Sep;65(9):501–4

Helicopter pilot back pain: a preliminary study. Shanahan DF, et al. **Aviat Space Environ Med** 1984 Feb;55(2):117–21

Back pain in Grand Prix drivers [letter] Burton AK.

Br J Sports Med 1983 Dec;17(4):150–1
Difficult diagnoses in back pain [editorial] Jayson MI. **Br Med J [Clin Res]** 1984 Mar 10;288(6419):740–1
Examination of the patient with low back pain. Hall H. **Bull Rheum Dis** 1933;33(4):1–8
Isolated sacroiliitis as monosymptomatic form of ankylosing spondylitis—a possible cause of chronic back pain. Prohaska E. **Clin Rheumatol** 1984 Mar;3(1):33–7
The radiology of low back pain associated with posterior element lesions of the lumbar spine. Abel MS. **CRC Crit Rev Diagn Imaging** 1984;20(4):311–52 (35 ref.)
Tests of lifting and handling capacity. Their repeatability and relationship to back symptoms. Griffin AB, et al. **Ergonomics** 1984 Mar;27(3):305–20
Chronic lumbar pain due to a localised posterior osteophytic bar. Rinaldi E, et al. **Ital J Orthop Traumatol** 1983 Sep; 9(3):325–9
Chronic low back pain in a long–distance runner. A case report. Blake RL, et al. **J Am Podiatry Assoc** 1983 Nov; 73(11):598–601
Chiropractic biomechanic evaluations: validity in myofascial low back pain [letter] Diakow P, et al. **J Manipulative Physiol Ther** 1983 Sep;6(3):151–2
Low–back pain in industry. An old problem revisited. Yu TS, et al. **J Occup Med** 1984 Jul;26(7):517–24 (85 ref.)
The sacro–iliac joint and backache [editorial] **Lancet** 1983 Dec 24–31;2(8365–66):1468–9
Is the loin pain and haematuria syndrome a renal manifestation of hypersensitivity? [letter] Bell GM, et al. **Lancet** 1984 Feb 11;1(8372):340
Does unequal leg length cause back pain? A case–control study. Grundy PF, et al. **Lancet** 1984 Aug 4;2(8397):256–8
Unequal leg length and back pain [letter] Platto JT. **Lancet** 1984 Sep 8;2(8402):582
Ergonomics and back pain. Hayne CR. **Physiotherapy** 1984 Jan;70(1):9–13
The facet syndrome. Murphy WA. **Radiology** 1984 May; 151(2):533
HLA–B27 as a diagnostic screening tool in chronic low back pain. Sandström J, et al. **Scand J Rehabil Med** 1984; 16(1):27–8
Radiographic changes, HLA B27 and back pain in patients with psoriasis or acute anterior uveitis. Vinje O, et al. **Scand J Rheumatol** 1983;12(3):219–24
The relationship between work history, work environment and low–back pain in men. Damkot DK, et al. **Spine** 1984 May–Jun;9(4):395–9
Clinical symptoms and biomechanics of lumbar spine and hip joint in leg length inequality. Friberg O. **Spine** 1983 Sep;8(6):643–51
Dynamic loading as a possible source of low–back disorders. Sandover J. **Spine** 1983 Sep;8(6):652–8
[Clinical significance of degenerative disorders of the lumbar spine and consequences of their demonstration. Neurological aspects] van Gijn J. **Ned Tijdschr Geneeskd** 1983 Jul 30;127(31):1377–8 **(Dut)**
[Anstomo–clinical conference at the Cochin Hospital. Bilateral lumbocrural pain in a 72–year–old diabetic] Khalifa P, et al. **Ann Med Interne (Paris)** 1984;135(1):74–8 **(Fre)**
[Painful sciatic rubbing caused by benign synovioma of the spinal joints. Apropos of 4 cases] Galibert P, et al. **Neurochirurgie** 1983;29(6):377–80 (Eng. Abstr.) **(Fre)**
[Lumbosciatalgias of vascular origin] Ekoe JM, et al. **Schweiz Rundsch Med Prax** 1984 Jan 10;73(2):27–31 (Eng. Abstr.) **(Fre)**
[Lumbar phlebography. Contribution to the diagnosis of lumbosciatica of disk origin] Valat JP, et al. **Sem Hop Paris** 1984 Feb 16;60(8):539–42 (Eng. Abstr.) **(Fre)**
[Differential diagnosis at the bedside. Acute spondylitis of the thoracic spine. A rare cause of acute backache] Kuntz HD. **MMW** 1983 Nov 18;125(46):118–9, 122 **(Ger)**
[Stiff man syndrome] Kumin M, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1984 Jan;36(1):32–40 (Eng. Abstr.) **(Ger)**
[Clarification of vertebrogenic backache. X–ray, myelography, cerebrospinal fluid examination, computer tomography] Mohsenipour I, et al. **ZFA (Stuttgart)** 1983 Nov 10;59(31):1719–23 **(Ger)**
[Backache in herniated disk and inflammatory processes: diagnosis and therapy] Plangger C, et al. **ZFA (Stuttgart)** 1983 Nov 10;59(31):1715–8 **(Ger)**
[Surgical lumbar sciatica of non–disk origin: vertebral osteoid osteoma and osteoblastoma] Greco F, et al. **Arch Putti Chir Organi Mov** 1983;33:371–80 (Eng. Abstr.) **(Ita)**
[Lumbosciatica caused by a herniated disk at a young age] Turbacci F. **Arch Putti Chir Organi Mov** 1983;33:11–22 (Eng. Abstr.) **(Ita)**
[Osteomalacia and severe backache as a complication of long–term intake of Novalucol] Fredstorp L, et al. **Lakartidningen** 1984 Feb 1;81(5):359–60 **(Swe)**

OCCURRENCE

Back pain in the nursing profession. I. Epidemiology and pilot methodology. Stubbs DA, et al. **Ergonomics** 1983 Aug; 26(8):755–65
Back pain in dentists. Diakow PR, et al. **J Manipulative Physiol Ther** 1984 Jun;7(2):85–8
Sacroiliac joint dysfunction and low back pain in school aged children. Mierau DR, et al. **J Manipulative Physiol Ther** 1984 Jun;7(2):81–4
Low–back pain in 40– to 47–year–old men: work history and work environment factors. Svensson HO, et al. **Spine** 1983 Apr;8(3):272–6
Low–back pain in relation to other diseases and cardiovascular risk factors. Svensson HO, et al. **Spine** 1983 Apr;8(3):277–85
Low–back pain in nurses and some loading factors of work. Videman T, et al. **Spine** 1984 May–Jun;9(4):400–4
[Low back pain among hospital porters] Biering–Sørensen F, et al. **Ugeskr Laeger** 1983 Sep 12;145(37):2884–8 (Eng. Abstr.) **(Dan)**
[Lumbar complaints among hospital stretcher carriers. Consequences and occupational environment] Thomsen CE, et al. **Ugeskr Laeger** 1984 Mar 26;146(13):999–1004 (Eng. Abstr.) **(Dan)**

PATHOLOGY

The relationship between spinal canal diameter and back pain in coal miners. Ultrasonic measurement as a screening test? Macdonald EB, et al. **J Occup Med** 1984 Jan;26(1):23–8

PHYSIOPATHOLOGY

Electromyographic study of the fibre density in the M. tibialis anterior in young patients complaining of low back pain. Vermeersch L, et al. **Electromyogr Clin Neurophysiol** 1983 Sep–Oct;23(6):559–65
Multiple regression analysis. Evaluation of low back pain syndrome (preliminary report). Tajima N, et al. **Nippon Seikeigeka Gakkai Zasshi** 1984 Mar;58(3):361–71
Effect of pelvic tilt on standing posture. Day JW, et al. **Phys Ther** 1984 Apr;64(4):510–6
Physical measurements as risk indicators for low–back trouble over a one–year period. Biering–Sørensen F. **Spine** 1984 Mar;9(2):106–19
Measuring physical and psychosocial function in patients with low–back pain. Deyo RA, et al. **Spine** 1983 Sep; 8(6):635–42
Incidence and severity of back pain in adult idiopathic scoliosis. Jackson RP, et al. **Spine** 1983 Oct;8(7):749–56
The effect of postural changes on the inferred pressures within the nucleus pulposus during lumbar discography. Merriam WF, et al. **Spine** 1984 May–Jun;9(4):405–8
[Analysis of the EMG discharge patterns in the muscles of the lower extremity in patients with low back pain] Ishizaka K. **Nippon Ika Daigaku Zasshi** 1983 Oct;50(5):693–701 (Eng. Abstr.) **(Jpn)**
[Tissue oxygenation in clinical variants of lumbar vertebrogenic pain] Gerasimov AA, et al. **Ortop Travmatol Protez** 1984 Mar;(3):17–20 (Eng. Abstr.) **(Rus)**
[Clinico–neurophysiological analysis of the pain syndrome in lumbosacral radiculitis] Vashchenko EA, et al. **Vrach Delo** 1983 Nov;(11):94–6 (Eng. Abstr.) **(Rus)**
[Myofixation in the patho– and sanogenesis of lumbar osteochondrosis] Popelianskiĭ IaIu, et al. **Zh Nevropatol Psikhiatr** 1984;84(4):502–7 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Prevention of chronic back pain. The orthopaedic challenge for the 80's. Nachemson AL. **Bull Hosp Jt Dis Orthop Inst** 1984 Spring;44(1):1–15
An anatomic and biomechanic approach to low back health. A preventive approach. Denenberg Segal D. **J Sports Med Phys Fitness** 1983 Dec;23(4):411–21
Chelsea Back Program: one year later. Fitzler SL, et al. **Occup Health Saf** 1983 Jul;52(7):52–4
Stretching away from back pain, injury. Locke JC. **Occup Health Saf** 1983 Jul;52(7):8–13
Back injury prevention means education. Melton B. **Occup Health Saf** 1983 Jul;52(7):20–3
Program compliance key to preventing low back injuries. Morris A. **Occup Health Saf** 1984 Mar;:44–7
An evaluation of back rests designed to relieve drivers' low back pain. Bulstrode S, et al. **Physiotherapy** 1983 Dec; 69(12):438

PSYCHOLOGY

Camptocormia. Soreff J. **Arch Orthop Trauma Surg** 1983; 101(2):151–2
Psychological aspects of patients having multiple operations for low back pain. Bouras N, et al. **Br J Med Psychol** 1984 Jun;57 (Pt 2):147–51
Psychological factors in the treatment of back pain by spinal manipulation. Hoehler FK, et al. **Br J Rheumatol** 1983 Nov; 22(4):206–12
Sthenia, ambition and educational level in patients suffering from ankylosing spondylitis: a controlled study of personality features as compared to rheumatoid arthritis and unspecified low back pain. Zant JL, et al. **Clin Rheumatol** 1982 Dec;1(4):243–50
The use of psychological tests in the evaluation of low–back pain [letter] Wing PC. **J Bone Joint Surg [Am]** 1983 Dec; 65(9):1356
Value of consensual ratings in differentiating organic and functional low back pain. Donham GW, et al. **J Clin Psychol** 1984 Mar;40(2):432–9
Correlates of the MMPI LB scale in a college population. Klein S, et al. **J Clin Psychol** 1984 Jan;40(1):185–9
Medication usage, emotional disturbance, and pain behavior in chronic low back pain patients. McCreary C, et al. **J Clin Psychol** 1984 Jan;40(1):15–9
The Modified Somatic Perception Questionnaire (MSPQ). Main CJ. **J Psychosom Res** 1983;27(6):503–14
Description of pain and the degree to which the complaints fit the organic diagnosis of low back pain. Oostdam EM, et al. **Pain** 1984 Jan;18(1):71–82
The validation of visual analogue scales as ratio scale measures for chronic and experimental pain. Price DD, et al. **Pain** 1983 Sep;17(1):45–56
The use of coping strategies in chronic low back pain patients: relationship to patient characteristics and current adjustment. Rosenstiel AK, et al. **Pain** 1983 Sep;17(1):33–44
Etiological theories and treatments for chronic back pain. II. Psychological models and interventions. Turk DC, et al. **Pain** 1984 Jul;19(3):209–33
Chronic low–back pain, psychologic distress, and illness behavior. Waddell G, et al. **Spine** 1984 Mar;9(2):209–13

RADIOGRAPHY

Correlation of electromyography with computed tomography in evaluation of lower back pain. Khatri BO, et al. **Arch Neurol** 1984 Jun;41(6):594–7
Primary study for low back pain. Melamed JL, et al. **IMJ** 1983 Aug;164(2):122–4
Idiopathic coccygodynia. Analysis of fifty–one operative cases and a radiographic study of the normal coccyx. Postacchini F, et al. **J Bone Joint Surg [Am]** 1983 Oct; 65(8):1116–24
The functional radiographic examination of patients with low–back pain: a study of different forms of variations. Bronfort G, et al. **J Manipulative Physiol Ther** 1984 Jun; 7(2):89–97
Computerized tomography in lumbosciaticas of degenerative origin (disk hernia, lumbar arthrosis, narrow lumbar canal). Diagnostic value and radiosurgical correlations. Crouzet G, et al. **J Neuroradiol** 1983;10(4):325–44 **(Eng, Fre)**
Atrophy of sacrospinal muscle groups in patients with chronic, diffusely radiating lumbar back pain. Laasonen EM. **Neuroradiology** 1984;26(1):9–13
Computed tomography of the spine: curved coronal reformations from serial images. Rothman SL, et al. **Radiology** 1984 Jan;150(1):185–90
A comparative analysis of x–ray findings of the lumbar spine in patients with and without lumbar pain. Witt I, et al. **Spine** 1984 Apr;9(3):298–300
[Plain X–ray examination of the lumbo–sacral spine in patients with low back pain and sciatica] Lie H, et al. **Tidsskr Nor Laegeforen** 1984 Aug 30;104(24):1647–9 **(Nor)**
[Extensive diagnostic procedures in lumbar pain in sportsmen] Sowiński J, et al. **Chir Narzadow Ruchu Ortop Pol** 1983;48(4):379–83 (Eng. Abstr.) **(Pol)**

REHABILITATION

Back schools and total back–care programmes—a review. Hayne CR. **Physiotherapy** 1984 Jan;70(1):14–7
Treatment of back pain. O'Donoghue CE. **Physiotherapy** 1984 Jan;70(1):7–8
The chronic low back pain syndrome: identification and management. Follick MJ, et al. **RI Med J** 1984 May; 67(5):219–24
Evaluation of an advanced back pain rehabilitation program. Aberg J. **Spine** 1984 Apr;9(3):317–8
Spinal pain rehabilitation: inpatient and outpatient treatment results and development of predictors for outcome. Cairns D, et al. **Spine** 1984 Jan–Feb;9(1):91–5
[Constitutional hypermobility as a problem in the rehabilitation of 'vertebragenous' pain syndromes] Sachse J. **Psychiatr Neurol Med Psychol (Leipz)** 1983 Oct; 35(10):629–33 (Eng. Abstr.) **(Ger)**
[The treatment of lumbo–vertebral syndromes using the McKenzie method. A therapeutico–preventive concept] Oliveri M. **Schweiz Rundsch Med Prax** 1984 Jun 5; 73(23):735–40 (Eng. Abstr.) **(Ger)**

SURGERY

Predictability of the result of surgical intervention in patients with low back pain. Oostdam EM, et al. **J Psychosom Res** 1983;27(4):273–81
Surgical treatment of low backache and sciatica [letter] **Lancet** 1984 Jan 14;1(8368):109–10
Surgical treatment of low backache and sciatica. Thomas M, et al. **Lancet** 1983 Dec 24–31;2(8365–66):1437–9
Posterolateral fusion with instrumentation in the symptomatic failed back patients. Kaneda K, et al. **Nippon Seikeigeka Gakkai Zasshi** 1984 Mar;58(3):323–30
The age–old back problem. New fad, same fallacies. Fager CA. **Spine** 1984 Apr;9(3):326–8
[Treatment of severe lumboabdominal pain by surgical dissolution of soft tissues of the lumbar region] Xuan ZR. **Chung Hua Wai Ko Tsa Chih** 1983 Sep;21(9):547–9 (Eng. Abstr.) **(Chi)**

THERAPY

Inhibition–facilitation technique for lumbar pain treatment. Brodin H. **Acta Belg Med Phys** 1983 Jan–Mar;6(1):31–5
The best back to manipulate? Morrison MC.

Ann R Coll Surg Engl 1984 Jan;66(1):52–3

Hypnosis compared to relaxation in the outpatient management of chronic low back pain. McCauley JD, et al. **Arch Phys Med Rehabil** 1983 Nov;64(11):548–52

Chronic low back pain: predicting response to nonsurgical treatment. Turner JA, et al. **Arch Phys Med Rehabil** 1983 Nov;64(11):560–3

Musculoskeletal manipulation in the treatment of low back pain. Tobis JS, et al. **Bull NY Acad Med** 1983 Sep; 59(7):660–8

Back schools. Past, present, and future. Fisk JR, et al. **Clin Orthop** 1983 Oct;(179):18–23

Spinal manipulative therapy. A status report. Haldeman S. **Clin Orthop** 1983 Oct;(179):62–70

Back school. An overview with specific reference to the Canadian Back Education Units. Hall H, et al. **Clin Orthop** 1983 Oct;(179):10–7

Is there a role for exercise in the treatment of patients with low back pain? Jackson CP, et al. **Clin Orthop** 1983 Oct; (179):39–45

Analysis of current approaches and a practical guide to prescription of exercise. Jackson CP, et al. **Clin Orthop** 1983 Oct;(179):46–54

Work for all. For those with low back pain as well. Nachemson A. **Clin Orthop** 1983 Oct;(179):77–85

Spinal manipulative therapy. Paris SV. **Clin Orthop** 1983 Oct; (179):55–61

The role of physical agents in the treatment of spine pain. Santiesteban AJ. **Clin Orthop** 1983 Oct;(179):24–30

Conservative care of the lumbar spine in the elderly. Selby DK. **Geriatrics** 1983 Dec;38(12):42–50, 55–6

Management of low back pain and sciatica. Lewinnek GE. **Int Anesthesiol Clin** 1983 Winter;21(4):61–78

Exercise protocol for patients with chronic back pain. Woolbright JL. **J Am Osteopath Assoc** 1983 Aug; 82(12):919–32

Caudal epidural injections in treatment of lumbo-sciatic syndrome. Thakkar CJ, et al. **J Assoc Physicians India** 1983 Dec;31(12):787–8

Chiropractic manipulation in low back pain and sciatica: statistical data on the diagnosis, treatment and response of 576 consecutive cases. Cox JM, et al. **J Manipulative Physiol Ther** 1984 Mar;7(1):1–11

Chiropractic statistical survey of 100 consecutive low back pain patients. Cox JM, et al. **J Manipulative Physiol Ther** 1983 Sep;6(3):117–28

Gravity lumbar reduction. Stauffer TS. **J Neurosurg Nurs** 1981 Dec;13(6):299–302

Acupuncture [letter] Mendelson G. **Med J Aust** 1984 Feb 4;140(3):181

Mechanical low back pain. Dawson WJ Jr. **Minn Med** 1984 Apr;67(4):191–2

Spinal cord stimulation in the treatment of chronic back and lower extremity pain syndromes. Leibrock LG, et al. **Nebr Med J** 1984 Jun;69(6):180–3

Etiological theories and treatments for chronic back pain. I. Somatic models and interventions. Flor H, et al. **Pain** 1984 Jun;19(2):105–21 (115 ref.)

Efficacy of EMG biofeedback, pseudotherapy, and conventional medical treatment for chronic rheumatic back pain. Flor H, et al. **Pain** 1983 Sep;17(1):21–31

EMG biofeedback used to reduce standing levels of paraspinal muscle tension in chronic low back pain. Nouwen A. **Pain** 1983 Dec;17(4):353–60

A psychophysical analysis of acupuncture analgesia. Price DD, et al. **Pain** 1984 May;19(1):27–42

Treating backache—a topical comment. Grieve GP. **Physiotherapy** 1983 Sep 10;69(9):316

Mechanism of biofeedback in the treatment of chronic back pain: an hypothesis. Biedermann HJ. **Psychol Rep** 1983 Dec;53(3 Pt 2):1103–8

The effect of the Swedish Back School in chronic idiopathic low back pain. A prospective controlled study. Lankhorst GJ, et al. **Scand J Rehabil Med** 1983;15(3):141–5

Treatment of patients with chronic low back pain. Comparison between rehabilitation centre and outpatient care. Mellin G, et al. **Scand J Rehabil Med** 1984;16(2):77–84

A randomized trial of manipulation for low-back pain in a medical setting. Godfrey CM, et al. **Spine** 1984 Apr; 9(3):301–4

The impact of patients with nonorganic physical findings on a controlled trial of transcutaneous electrical nerve stimulation and electroacupuncture. Lehmann TR, et al. **Spine** 1983 Sep;8(6):625–34

Predicting patients' perceptions of response to treatment for low-back pain. Taylor WP, et al. **Spine** 1984 Apr;9(3):313–6

[Pain clinic of the Hôtel-Dieu de Montréal. Illustration of its mode of operation in relation to a pilot project on the evaluation and treatment of 100 lumbosciatalgics injured at work] Mignault G, et al. **Union Med Can** 1983 Oct; 112(10):964–6, 968–72 (Eng. Abstr.) **(Fre)**

[Vertebral syndrome and its treatment from the manual and neuro-therapeutic viewpoints including controlled physical therapy] Jung D. **Beitr Orthop Traumatol** 1983 Aug; 30(8):426–32 (Eng. Abstr.) **(Ger)**

[Functional therapy of the vertebral pain syndrome] Kaptelin AF, et al. **Ortop Travmatol Protez** 1983 Dec;(12):34–9 (Eng. Abstr.) **(Rus)**

[Method of traction treatment of pain syndromes] Malikov VG. **Vrach Delo** 1983 Sep;(9):100–1 **(Rus)**

[Intracutaneous paravertebral hemoblock—a treatment technic for lumbosacral pain syndromes] Neimark EZ, et al. **Vrach Delo** 1984 Apr;(4):94–6 (Eng. Abstr.) **(Rus)**

VETERINARY

Acupuncture for treatment of chronic back pain in the horse. Klide AM. **Acupunct Electrother Res** 1984;9(1):57–70

BACKGROUND RADIATION see under **RADIATION, IONIZING**

BACLOFEN

ADMINISTRATION & DOSAGE

Baclofen dosage: a suggestion. Kirkland LR. **Arch Phys Med Rehabil** 1984 Apr;65(4):214

Intrathecal baclofen alleviates spinal cord spasticity [letter] Penn RD, et al. **Lancet** 1984 May 12;1(8385):1078

Blepharospasm—successful treatment with baclofen and sodium valproate. A case report. Sandyk R. **S Afr Med J** 1983 Dec 3;64(24):955–6

Beneficial effect of sodium valproate and baclofen in spasmodic torticollis. A case report. Sandyk R. **S Afr Med J** 1984 Jan 14;65(2):62–3

ADVERSE EFFECTS

Dyskinesia and psychosis in a patient following baclofen withdrawal. Kirubakaran V, et al. **Am J Psychiatry** 1984 May;141(5):692–3

Hepatic enzyme elevations associated with baclofen. Chui LK, et al. **Clin Pharm** 1984 Mar-Apr;3(2):196–7

A possible neurochemical basis for the neuropsychiatric aspects of baclofen therapy. Keegan DL, et al. **Int J Neurosci** 1983 Sep;20(3–4):249–54

Status epilepticus after baclofen withdrawal. Hyser CL, et al. **J Natl Med Assoc** 1984 May;76(5):533, 537–8

ANALYSIS

Resolution of the stereoisomers of baclofen by high performance liquid chromatography. Weatherby RP, et al. **J Neurosci Methods** 1984 Jan;10(1):23–8

ANTAGONISTS & INHIBITORS

Substance P, injected intrathecally, antagonizes the spinal antinociceptive effect of morphine, baclofen and noradrenaline. Sawynok J, et al. **Neuropharmacology** 1984 Jul;23(7A):741–7

DIAGNOSTIC USE

A new intraoperative test for completeness of vagotomy: the PCP-GABA (beta-parachlorophenol-gamma-aminobutyric acid) test. Goto Y, et al. **Am J Surg** 1984 Jan;147(1):159–63

PHARMACODYNAMICS

Effects of baclofen on synaptically-induced cell firing in the rat hippocampal slice. Ault B, et al. **Br J Pharmacol** 1983 Sep;80(1):211–9

Inhibition by GABA, baclofen and gabapentin of dopamine release from rabbit caudate nucleus: are there common or different sites of action? Reimann W. **Eur J Pharmacol** 1983 Oct 28;94(3–4):341–4

Reduced spinal reflexes following intrathecal baclofen in the rabbit. Kroin JS, et al. **Exp Brain Res** 1984;54(1):191–4

Baclofen reduces tone-evoked activity of cochlear nucleus neurons. Caspary DM, et al. **Hear Res** 1984 Feb; 13(2):113–22

Gaba-ergic and dopaminergic regulation of thyroid stimulating hormone. Effects of baclofen and metoclopramide. Elias AN, et al. **Horm Res** 1984; 19(3):171–5

Naloxone does not alter the effect of gamma aminobutyric acid derivative, baclofen, on GH release in man. Chiodera P, et al. **J Endocrinol Invest** 1983 Oct;6(5):381–4

GABA and lioresal actions on the identified Onchidium neuron. Shimizu N, et al. **Jpn J Physiol** 1983;33(3):459–67

Direct hyperpolarizing action of baclofen on hippocampal pyramidal cells. Newberry NR, et al. **Nature** 1984 Mar 29–Apr 4;308(5958):450–2

Are baclofen-sensitive GABAB receptors present on primary afferent terminals of the spinal cord? Price GW, et al. **Nature** 1984 Jan 5–11;307(5946):71–4

Effect of baclofen on sensory transmission through the ventrobasal thalamic nucleus of the rat. Clarke KA. **Neuropharmacology** 1983 Oct;22(10):1231–5

Differential effects of baclofen, gamma-hydroxybutyric acid and muscimol on the protective action of phenobarbital and diphenylhydantoin against maximal electroshock-induced seizures in mice. Czuczwar SJ, et al. **Neuropharmacology** 1984 Feb;23(2A):159–63

A quantitative EEG analysis of the effects of baclofen on man. Badr GG, et al. **Neuropsychobiology** 1983;10(1):13–8

GABA and baclofen reduce changes in extracellular free calcium in area CA1 of rat hippocampal slices. Heinemann U, et al. **Neurosci Lett** 1984 Jun 29;47(3):295–300

Baclofen inhibits sympathetic preganglionic neurons in an isolated spinal cord preparation. McKenna KE, et al. **Neurosci Lett** 1984 Jun 1;47(1):85–8

Differences in baclofen-sensitivity between CA3 neurons and granule cells of the guinea pig hippocampus in vitro. Misgeld U, et al. **Neurosci Lett** 1984 Jun 29;47(3):307–11

Unilateral injection of GABA agonists in the superior colliculus: asymmetry to tactile stimulation. Di Scala G, et al. **Pharmacol Biochem Behav** 1983 Aug;19(2):281–5

THERAPEUTIC USE

Baclofen in the treatment of neuralgia. Hershey LA. **Ann Intern Med** 1984 Jun;100(6):905–6

Baclofen in the treatment of trigeminal neuralgia: double-blind study and long-term follow-up. Fromm GH, et al. **Ann Neurol** 1984 Mar;15(3):240–4

Effect of baclofen on sleep-related periodic leg movements. Guilleminault C, et al. **Ann Neurol** 1984 Mar;15(3):234–9

Effect of baclofen on seizure frequency [letter] Seyfert S. **Arch Neurol** 1984 Feb;41(2):134

Is baclofen an analgesic? Terrence CF, et al. **Clin Neuropharmacol** 1983;6(3):241–5

Baclofen in hemifacial spasm. Sandyk R. **Eur Neurol** 1984; 23(3):163–5

Efficacy of baclofen in trigeminal neuralgia and some other painful conditions. A clinical trial. Steardo L, et al. **Eur Neurol** 1984;23(1):51–5

Phenylethylamine-like properties of baclofen. Wolf ME, et al. **Neuropsychobiology** 1983;9(4):219–22

Hemifacial spasm—successful treatment with baclofen [letter] Sandyk R, et al. **S Afr Med J** 1984 Mar 31;65(13):502

[A comparison of the effects of baclofen and some other muscle relaxants on alpha-rigidity in rats] Kawajiri S, et al. **Nippon Yakurigaku Zasshi** 1984 Mar;83(3):263–8 (Eng. Abstr.) **(Jpn)**

BACLOPHEN see **BACLOFEN**

BACTEREMIA see **SEPTICEMIA**

BACTERIA

Agromonas oligotrophica gen. nov., sp. nov., a nitrogen-fixing oligotrophic bacterium. Ohta H, et al. **Antonie Van Leeuwenhoek** 1983 Nov;49(4–5):429–46

A scanning electron microscopic study of early subsurface bacterial penetration of human molar-fissure enamel. Seppä L. **Arch Oral Biol** 1984;29(7):503–6

Antagonistic and synergistic toxic effects of Pb and Cd in a simple foodchain: nematodes feeding on bacteria or fungi. Doelman P, et al. **Bull Environ Contam Toxicol** 1984 Jun; 32(6):717–23

Adventitious chemistry at reduced water activities: free radicals and polyhydroxy agents. Heckly RJ, et al. **Cryobiology** 1983 Oct;20(5):613–24

Phagocytes use oxygen to kill bacteria. Baggiolini M. **Experientia** 1984 Sep 15;40(9):906–9 (48 ref.)

The uptake and utilization of Entodinium caudatum, bacteria, free amino acids and glucose by the rumen ciliate Entodinium bursa. Coleman GS, et al. **J Appl Bacteriol** 1984 Apr;56(2):283–94

Localisation of enteropathogens in paraffin embedded tissue by immunoperoxidase. Parsons KR, et al. **J Clin Pathol** 1984 Jun;37(6):645–50

An extended model for transfer of micro-organisms via the hands: differences between organisms and the effect of alcohol disinfection. Mackintosh CA, et al. **J Hyg (Lond)** 1984 Jun;92(3):345–55

Twice-daily cimetidine does not increase gastric bacterial flora. Bourne JT, et al. **Postgrad Med J** 1984 Jul; 60(705):464–6

[57th meeting of the Japanese Society for Bacteriology. July 18–20, 1984, Sapporo, Japan. Abstracts] **Nippon Saikingaku Zasshi** 1984 May;39(3):177–681 **(Jpn)**

[Methodical approach to sanitary-hygienic evaluation of biological contamination of the environment] Akhundov VIu, et al. **Gig Sanit** 1984 Mar;(3):55–7 **(Rus)**

[Effect of living conditions on the formation of bacterial aerosols in a hermetic chamber] Pozharskil GO. **Kosm Biol Aviakosm Med** 1984 May-Jun;18(3):77–80 (Eng. Abstr.) **(Rus)**

ANALYSIS

Simple and rapid method for disruption of bacteria for protein studies. Bhaduri S, et al. **Appl Environ Microbiol** 1983 Oct; 46(4):941–3

Histone-like protein in the Archaebacterium Sulfolobus acidocaldarius. Green GR, et al. **Biochim Biophys Acta** 1983 Nov 17;741(2):251–7

A comparison of the chemical composition of mixed bacteria harvested from the liquid and solid fractions of rumen digesta. Merry RJ, et al. **Br J Nutr** 1983 Nov;50(3):701–9

Sulfonolipids of gliding bacteria. Structure of the N-acylaminosulfonates. Godchaux W 3d, et al. **J Biol Chem** 1984 Mar 10;259(5):2982–90

Capillary gas chromatography-mass spectrometry of carbohydrate components of legionellae and other bacteria. Walla MD, et al. **J Chromatogr** 1984 Apr 24;288(2):399–413

Comparison of the effects of acid and base hydrolyses on hydroxy and cyclopropane fatty acids in bacteria. Lambert MA, et al. **J Clin Microbiol** 1983 Dec;18(6):1370–7

Relationship between luminous fish and symbiosis. I. Comparative studies of lipopolysaccharides isolated from symbiotic luminous bacteria of the luminous marine fish, Physiculus japonicus. Kuwae T, et al. **Microbiol Immunol** 1983;27(10):847–59

Human polypeptidic hormone-like substances in

microorganisms. Ghione M, et al. **Microbiologica** 1983 Oct; 6(4):315–26

Mutagen formation by intestinal bacteria. Osawa T, et al. **Mutat Res** 1983 Dec;122(3–4):299–304

Unusual lipid A types in phototrophic bacteria and related species. Mayer H, et al. **Rev Infect Dis** 1984 Jul–Aug; 6(4):542–5

[Determination of fecal bacterial nitrogen in rats] Müller H, et al. **Z Ernahrungswiss** 1984 Mar;23(1):52–7 (Eng. Abstr.) (Ger)

[Quantitative aspects of the agar micro-copy procedure for multiple copies of various materials occurring in hospitals] Mielke U, et al. **Z Gesamte Hyg** 1983 Jul;29(7):376–9 (Eng. Abstr.) (Ger)

[Determination of 2–6-diaminopimelic acid in samples of bacteria isolated from the rumen of sheep using an automatic amino acid analyzer] Smutný J, et al. **Vet Med (Praha)** 1984 Feb;29(2):101–5 (Eng. Abstr.) (Slo)

CLASSIFICATION

Molecular systematics of prokaryotes. Schleifer KH, et al. **Annu Rev Microbiol** 1983;37:143–87 (431 ref.)

A numerical taxonomic study of lactic acid bacteria from vacuum-packed beef, pork, lamb and bacon. Shaw BG, et al. **J Appl Bacteriol** 1984 Feb;56(1):25–40

Semiautomated technique for identification of subgingival isolates. Dzink JL, et al. **J Clin Microbiol** 1984 May; 19(5):599–605

Clinical laboratory differentiation of Legionellaceae family members with pigment production and fluorescence on media supplemented with aromatic substrates. Vickers RM, et al. **J Clin Microbiol** 1984 May;19(5):583–7

Speciation polemic [editorial] Lorian V, et al. **J Infect Dis** 1984 May;149(5):661–2

The use of gene-specific DNA probes for the identification of enteric pathogens. Claus P, et al. **Prog Food Nutr Sci** 1983;7(3–4):139–42

Characterization of the intestinal bacteria of mice by API ZYM and SDS-polyacrylamide gel electrophoresis. Koopman JP, et al. **Z Versuchstierkd** 1983;25(4):185–92

[Taxonomic study of free nitrogen-fixing bacteria isolated from the endorhizosphere of rice] Garcia JL, et al. **Ann Microbiol (Paris)** 1983 Sep-Oct;134(2):329–46 (Eng. Abstr.) (Fre)

[New method of classifying the interactions in mixed cultures of microorganisms] Degermendzhi AG, et al. **Dokl Akad Nauk SSSR** 1984;276(3):746–9 (Rus)

[New species of exoparasitic bacteria of the genus Micavibrio infecting gram-positive bacteria] Lambina VA, et al. **Mikrobiologiia** 1983 Sep-Oct;52(5):777–80 (Eng. Abstr.) (Rus)

[International classification of bacteria] Kosobutskil LA, et al. **Oftalmol Zh** 1983;38(5):315–6 (Rus)

[Use of numerical taxonomy methods for identifying and classifying microorganisms] Chaika NA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Jan;(1):7–14 (79 ref.) (Rus)

CYTOLOGY

Dark-field microscopy of the microflora of plaque. Addy M, et al. **Br Dent J** 1983 Oct 22;155(8):269–73

Bacteriological analysis of expressed human milk and its relation to the outcome of high risk low birth weight infants. Narayanan I, et al. **Indian Pediatr** 1983 Dec; 20(12):915–20

The effect of supragingival plaque removal on anaerobic bacteria deep periodontal pockets. Smulow JB, et al. **J Am Dent Assoc** 1983 Nov;107(5):737–42

A note on 'plotless' methods for estimating bacterial cell densities. Roser D, et al. **J Appl Bacteriol** 1984 Apr; 56(2):343–7

Clinical and microbiological effects of subgingival restorations with overhanging or clinically perfect margins. Lang NP, et al. **J Clin Periodontol** 1983 Nov;10(6):563–78

Differential dark field microscopy of subgingival bacteria as an aid in selecting recall intervals: results after 18 months. Listgarten MA, et al. **J Clin Periodontol** 1982 Jul; 9(4):305–16

A microbiological study of one-day supragingival dental plaque. Chomyszyn-Gajewska M. **J Dent** 1983 Dec; 11(4):334–40

Adherent interactions which may affect microbial ecology in the mouth. Gibbons RJ. **J Dent Res** 1984 Mar; 63(3):378–85

Bacteriology of diabetic foot ulcers. Sims D, et al. **J Foot Surg** 1984 Mar–Apr;23(2):149–51

A method differentiating between bacterial adhesiveness and invasiveness in cell culture monolayer. Bukholm G, et al. **J Microsc** 1984 Jan;133 (Pt 1):79–81

Bacteria-tight sealing of exposed dog pulps. Wijnbergen-Buijen van Weelderen M, et al. **J Oral Rehabil** 1984 May;11(3):215–7

Distribution of certain subgingival microbial species in selected periodontal conditions. Savitt ED, et al. **J Periodont Res** 1984 Mar;19(2):111–23

Acute necrotizing ulcerative gingivitis. A transmission electron microscope study. Courtois GJ 3d, et al. **J Periodontol** 1983 Nov;54(11):671–9

Growth and potential pathogens in denture-soaking solution of myelosuppressed cancer patients. DePaola LG, et al. **J Prosthet Dent** 1984 Apr;51(4):554–8

The subgingival microbial flora associated with human dental implants. Rams TE, et al. **J Prosthet Dent** 1984 Apr; 51(4):529–34

Regional variations in viable bacterial and yeast counts of 1-week-old denture plaque in denture-induced stomatitis. Budtz-Jörgensen E, et al. **Scand J Dent Res** 1983 Aug; 91(4):288–95

Mitoses and microorganisms in the periodontal membrane after storage in milk or saliva. Lindskog S, et al. **Scand J Dent Res** 1983 Dec;91(6):465–72

Microbial invasion and subsurface colonization of rat enamel in early fissure caries observed by scanning electron microscopy. Luoma AR, et al. **Scand J Dent Res** 1984 Apr; 92(2):120–6

The toluidine blue-membrane filter method: absorption spectra of toluidine blue stained bacterial cells and the relationship between absorbance and dry mass of bacteria. O'Toole DK. **Stain Technol** 1983 Nov;58(6):357–64

Simple staining of bacteria and fungi in hide, skin and leather. Webster R. **Stain Technol** 1983 Nov;58(6):315–8

Effect of insertion of osseo-integrated prosthesis on the oral microflora. Heimdahl A, et al. **Swed Dent J** 1983; 7(5):199–204

[Proportion and frequency of 3 kinds of anaerobic bacteria in relation to the gingival index] Mayrand D, et al. **J Biol Buccale** 1983 Sep;11(3):271–8 (Eng. Abstr.) (Fre)

[Bacteriology of the periapex, focal consequences and principles of present-day antiseptics] Boy-Lefèvre ML, et al. **Rev Odontostomatol (Paris)** 1983 Sep-Oct;12(5):331–6 (Fre)

[Relation between the surface components of microorganisms and their pathogenicity] Ulutan F. **Mikrobiyol Bul** 1984 Jan;18(1):63–7 (Tur)

DRUG EFFECTS

Synthesis of analogs of D-Ala-D-Ala as potential inhibitors of bacterial cell wall biosynthesis. Hagen EA, et al. **Acta Chem Scand [B]** 1984;38(1):5–14

Isolation and in vitro antimicrobial efficiency of Butea monosperma seed oil on human pathogenic bacteria and phytopathogenic fungi. Mehta BK, et al. **Acta Microbiol Hung** 1983;30(1):75–7

The effect of erythromycin on the nasopharyngeal pathogens in children with secretory otitis media. Sundberg L, et al. **Acta Otolaryngol (Stockh)** 1984 Mar–Apr;97(3–4):379–83

Norfloxacin: in vitro activity compared with that of seven other antibacterial agents against urinary tract pathogens. Digranes A, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1984 Apr; 92(2):101–6

Single-strain regression analysis for quality control of cephalothin-susceptibility testing and determination of interpretive breakpoints. Kronvall G, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1984 Feb; 92(1):13–22

Toxicity of nickel to microbes: environmental aspects. Babich H, et al. **Adv Appl Microbiol** 1983;29:195–265

Effects of saliva and alpha-amylase on antibiotic sensitivity of bacteria. Eke PI, et al. **Afr J Med Med Sci** 1984 Mar–Jun; 13(1–2):15–20

Changing patterns of resistance to new beta-lactam antibiotics. In vitro efficacy of cefoperazone against bacterial pathogens. Jones RN. **Am J Med** 1984 Jul 31; 77(1B):29–34

Changing patterns of hospital infections: implications for therapy. Changing mechanisms of bacterial resistance. Neu HC. **Am J Med** 1984 Jul 31;77(1B):11–23 (112 ref.)

In vitro and clinical evaluation of ceforanide. Lefrock JL, et al. **Am J Med Sci** 1984 Mar–Apr;287(2):21–5

Laboratory tests for antimicrobial synergy. Peterson E. **Am J Med Technol** 1983 Nov;49(11):775–7

The behaviour of Azospirillum spp. in the presence of plant growth hormones. Silveira-Schrank I, et al. **Ann Microbiol (Paris)** 1983 May-Jun;134(3):411–4

Bioactivity of imipenem as a function of medium, time, and temperature. Baron EJ, et al. **Antimicrob Agents Chemother** 1984 Jun;25(6):781–2

Cross-resistance among cinoxacin, ciprofloxacin, DJ-6783, enoxacin, nalidixic acid, norfloxacin, and oxolinic acid after in vitro selection of resistant populations. Barry AL, et al. **Antimicrob Agents Chemother** 1984 Jun;25(6):775–7

Bacteriostatic and fungostatic action of catecholamide iron chelators. Bergeron RJ, et al. **Antimicrob Agents Chemother** 1983 Nov;24(5):725–30

Effects of antibiotic treatment of nonlactating dairy cows on antibiotic resistance patterns of bovine mastitis pathogens. Berghash SR, et al. **Antimicrob Agents Chemother** 1983 Nov;24(5):771–6

Antibacterial properties of tuftsin and its analogs. Blok-Perkowska D, et al. **Antimicrob Agents Chemother** 1984 Jan;25(1):134–6

In vitro antibacterial activity of concentrated polyethylene glycol 400 solutions. Chirife J, et al. **Antimicrob Agents Chemother** 1983 Sep;24(3):409–12

In vitro activity of ciprofloxacin, a new carboxyquinoline antimicrobial agent. Eliopoulos GM, et al. **Antimicrob Agents Chemother** 1984 Mar;25(3):331–5

Evaluation of three 4'-deoxy-4'-sulfonamido-oleandomycin derivatives with erythromycin-like antibacterial potency. English AR, et al. **Antimicrob Agents Chemother** 1984 Jan; 25(1):118–22

Sodium hypochlorite decontamination of split-thickness cadaveric skin infected with bacteria and yeast with subsequent isolation and growth of basal cells to confluency in tissue culture. Fader RC, et al. **Antimicrob Agents Chemother** 1983 Aug;24(2):181–5

Statistical comparison of the antibacterial activities of broad-spectrum penicillins against gram-negative bacilli. Fass RJ. **Antimicrob Agents Chemother** 1983 Aug; 24(2):156–62

In vitro activity of ciprofloxacin (Bay o 9867). Fass RJ. **Antimicrob Agents Chemother** 1983 Oct;24(4):568–74

In vitro activity of ticarcillin plus clavulanic acid against 632 clinical isolates. Fuchs PC, et al. **Antimicrob Agents Chemother** 1984 Mar;25(3):392–4

In vitro evaluation of Augmentin by broth microdilution and disk diffusion susceptibility testing: regression analysis, tentative interpretive criteria, and quality control limits. Fuchs PC, et al. **Antimicrob Agents Chemother** 1983 Jul; 24(1):31–8

In vitro antibacterial activity of the combination of clindamycin and ceftazidime. George WL. **Antimicrob Agents Chemother** 1984 May;25(5):657–8

Antimicrobial activity of SK&F 88070, an expanded-spectrum cephalosporin with high and prolonged levels in blood. Grappel SF, et al. **Antimicrob Agents Chemother** 1984 Jun;25(6):694–700

Antimicrobial spectrum of Win 49375. Jacobus NV, et al. **Antimicrob Agents Chemother** 1984 Jul;26(1):104–7

In vitro evaluation of HR810, a new wide-spectrum aminothiazolyl alpha-methoxyimino cephalosporin. Jones RN, et al. **Antimicrob Agents Chemother** 1984 Jun; 25(6):710–8

In vitro evaluation of three new macrolide antimicrobial agents, RU28965, RU29065, and RU29702, and comparisons with other orally administered drugs. Jones RN, et al. **Antimicrob Agents Chemother** 1983 Aug; 24(2):209–15

Antimicrobial activity and other in vitro properties of cefoperazone A, the principal metabolite of cefoperazone sodium. Jones RN, et al. **Antimicrob Agents Chemother** 1983 Aug;24(2):293–6

In vitro and in vivo antibacterial properties of FK 027, a new orally active cephem antibiotic. Kamimura T, et al. **Antimicrob Agents Chemother** 1984 Jan;25(1):98–104

In vitro and in vivo antibacterial activity of AT-2266. Kouno K, et al. **Antimicrob Agents Chemother** 1983 Jul;24(1):78–84

Susceptibilities of bacterial and fungal urinary tract isolates to desferrioxamine. Lowy FD, et al. **Antimicrob Agents Chemother** 1984 Mar;25(3):375–6

Comparative activities of ciprofloxacin (Bay o 9867), norfloxacin, pipemidic acid, and nalidixic acid. Muytjens HL, et al. **Antimicrob Agents Chemother** 1983 Aug; 24(2):302–4

Antibacterial activity of coumermycin alone and in combination with other antibiotics. Neu HC, et al. **Antimicrob Agents Chemother** 1984 Jun;25(6):687–9

In vitro activity of teichomycin compared with those of other antibiotics. Neu HC, et al. **Antimicrob Agents Chemother** 1983 Sep;24(3):425–8

In vitro activity and beta-lactamase stability of a monobactam, SQ 26,917, compared with those of aztreonam and other agents. Neu HC, et al. **Antimicrob Agents Chemother** 1983 Aug;24(2):227–32

In vitro activity of midecamycin, a new macrolide antibiotic. Neu HC. **Antimicrob Agents Chemother** 1983 Sep; 24(3):443–4

In vitro antibacterial activity and beta-lactamase stability of E-0702, a new cephalosporin. Neu HC, et al. **Antimicrob Agents Chemother** 1983 Sep;24(3):313–20

Antibacterial activity of DL 473, a C3-substituted rifamycin derivative. Neu HC. **Antimicrob Agents Chemother** 1983 Sep;24(3):457–60

In vitro antibacterial activity of cefpiramide. Pfaller MA, et al. **Antimicrob Agents Chemother** 1984 Mar;25(3):368–72

In vitro susceptibilities of 393 recent clinical isolates to WIN 49375, cefotaxime, tobramycin, and piperacillin. Pohlod DJ, et al. **Antimicrob Agents Chemother** 1984 Mar; 25(3):377–9

Characterization of trimethoprim resistance by use of probes specific for transposon Tn7. Pulkkinen L, et al. **Antimicrob Agents Chemother** 1984 Jul;26(1):82–6

In vitro activity of rodogyl against putative periodontopathic bacteria. Quee TC, et al. **Antimicrob Agents Chemother** 1983 Sep;24(3):445–7

Activities of aztreonam and new cephalosporins against infrequently isolated gram-negative bacilli. Strandberg DA, et al. **Antimicrob Agents Chemother** 1983 Aug; 24(2):282–6

In vitro antimicrobial activity of aztreonam alone and in combination against bacterial isolates from pediatric patients. Stutman HR, et al. **Antimicrob Agents Chemother** 1984 Feb;25(2):212–5

In vitro activity of ciprofloxacin compared with those of other new fluorinated piperazinyl-substituted quinoline derivatives. Van Caekenberghe DL, et al. **Antimicrob Agents Chemother** 1984 Apr;25(4):518–21

Effect of temocillin in combination with other beta-lactam antibiotics. Verbist L, et al. **Antimicrob Agents Chemother** 1984 Jan;25(1):142–4

Antibiotic action on phagocytosed bacteria measured by a new method for determining viable bacteria. Vosbeck K, et al. **Antimicrob Agents Chemother** 1984 Jun;25(6):735–41

Minimal inhibitory concentrations of 19 antimicrobial agents for 96 clinical isolates of group IVe bacteria. Welch WD, et al. **Antimicrob Agents Chemother** 1983 Sep;24(3):432–3

Comparison of in vitro activity of FCE 22101, a new penem, with those of other beta–lactam antibiotics. Wise R, et al. **Antimicrob Agents Chemother** 1983 Dec;24(6):909–14

Association of metal tolerance with multiple antibiotic resistance of bacteria isolated from drinking water. Calomiris JJ, et al. **Appl Environ Microbiol** 1984 Jun; 47(6):1238–42

Effect of chlorination on antibiotic resistance profiles of sewage–related bacteria. Murray GE, et al. **Appl Environ Microbiol** 1984 Jul;48(1):73–7

On the absence of correlation between cyanide–resistant respiration and cytochrome d content in bacteria. Akimenko VK, et al. **Arch Microbiol** 1984 May; 138(1):58–63

Cyanoacrylate glue [letter] Eiferman RA, et al. **Arch Ophthalmol** 1984 Feb;102(2):192, 194

Mode of interaction between immunoglobulin G and mezlocillin against beta–lactamase producing bacteria. Dalhoff A, et al. **Arzneimittelforsch** 1983;33(12):1666–71

Thiosemicarbazones of 2–acetylpyridine, 2–acetylquinoline, 1– and 3–acetylisoquinoline and related compounds as inhibitors of clinically significant bacteria in vitro. Dobek AS, et al. **Arzneimittelforsch** 1983;33(11):1583–91

In vitro antibacterial activity of gramicidin and tyrothricin. Ruckdeschel G, et al. **Arzneimittelforsch** 1983; 33(12):1620–2

HR 810, a new parenteral cephalosporin with a broad antibacterial spectrum. Seibert G, et al. **Arzneimittelforsch** 1983;33(8):1084–6

Role of sulfhydryl compounds in the bactericidal effect of metronidazole. Yeung TC, et al. **Biochem Pharmacol** 1983 Nov 1;32(21):3145–9

The antibacterial properties of some commercially available toothpastes in vitro. Moran J, et al. **Br Dent J** 1984 Mar 10;156(5):175–8

Antimicrobial activity of 21 anti–neoplastic agents. Hamilton–Miller JM. **Br J Cancer** 1984 Mar;49(3):367–9

The effect of contrast media on the growth of bacteria. Dawson P, et al. **Br J Radiol** 1983 Nov;56(671):809–15

Cefoperazone: a comparative in vitro Canadian study of 1743 pathogens, Canadian Infectious Disease Study Group. Harding GK, et al. **Can J Public Health** 1983 Nov–Dec; 74(6):409–13

Prevalence of gentamicin resistance among bacterial isolates from urine culture. Atukorala SD, et al. **Ceylon Med J** 1983 Jun;28(2):86–7

Synergism of the antimicrobial agents miconazole, bacitracin and polymyxin B. Cornelissen F, et al. **Chemotherapy** 1983; 29(6):419–27

Ceftazidime: in vitro comparison with cephalothin, cefuroxime, and netilmicin. A Norwegian study. Digranes A, et al. **Chemotherapy** 1984;30(2):113–8

Interpretation criteria for sensitivity testing of ceftriaxone in agar diffusion test according to the DIN 58940 method. Grimm H. **Chemotherapy** 1984;30(1):49–53

In vitro antimicrobial activity of ceftizoxime. Schell RF, et al. **Chemotherapy** 1983;29(6):408–14

A novel method for determination of beta–lactamase using the agar dilution method. Tsuji H. **Chemotherapy** 1983; 29(6):401–7

Comparison of in vitro antibacterial activity of four oral cephems: cephalexin, cefaclor, cefatrizine and cefadroxil. Luh KT, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1984 Feb;17(1):11–8

Pharmacokinetic and microbiologic evaluation of dosage regimens for newer cephalosporins and penicillins. Schumacher GE. **Clin Pharm** 1983 Sep–Oct;2(5):448–57

The effect of beta–lactamase stability, penetration, and target affinity on the activity of cefazolin, cefamandole, cefoxitin, and cefuroxime. Harper PB. **Clin Ther** 1984;6(3):310–24

In vitro activity of ceftazidime and ceftriaxone. Keenholtz SL, et al. **Clin Ther** 1983;5(6):603–16

Cefotaxime and desacetylcefotaxime: an example of advantageous antimicrobial metabolism. Chin NX, et al. **Diagn Microbiol Infect Dis** 1984 Jun;2(3 Suppl):21S–31S

Minimal inhibitory concentrations of broad spectrum beta–lactam antibiotics for bacterial control strains. Fass RJ, et al. **Diagn Microbiol Infect Dis** 1983 Mar;1(1):85–8

Antimicrobial susceptibility testing (AST): a review of changing trends, quality control guidelines, test accuracy, and recommendation for the testing of beta–lactam drugs. Jones RN. **Diagn Microbiol Infect Dis** 1983 Mar;1(1):1–24 (65 ref.)

Antimicrobial activity, beta–lactamase stability and beta–lactamase inhibition of cefotetan and other 7–alpha–methoxy beta–lactam antimicrobials. Jones RN, et al. **Diagn Microbiol Infect Dis** 1983 Mar;1(1):71–83

In vitro evaluation of U63196–E (AC–1370): antimicrobial activity, beta–lactamase stability, and beta–lactamase inhibition. Jones RN. **Diagn Microbiol Infect Dis** 1984 Apr; 2(2):161–7

Norfloxacin (MK–0366, AM–715): in vitro activity and cross–resistance with other organic acids including quality control limits for disk diffusion testing. Jones RN, et al. **Diagn Microbiol Infect Dis** 1983 Jun;1(2):165–72

Ceftriaxone: a summary of in vitro antibacterial qualities including recommendations for susceptibility tests with 30–micrograms disks. Jones RN, et al. **Diagn Microbiol Infect Dis** 1983 Dec;1(4):295–311

The in vitro antimicrobial activity of desacetylcefotaxime compared to other related beta–lactams. Schrinner E, et al. **Diagn Microbiol Infect Dis** 1984 Jun;2(3 Suppl):13S–20S

Discrepancies between in vitro activity of and in vivo response to antimicrobial agents. Washington JA 2d. **Diagn Microbiol Infect Dis** 1983 Mar;1(1):25–31

Third–generation and investigational cephalosporins: II. Microbiologic review and clinical summaries. Garzone P, et al. **Drug Intell Clin Pharm** 1983 Sep;17(9):615–22 (99 ref.)

Ceftriaxone. A review of its antibacterial activity, pharmacological properties and therapeutic use. Richards DM, et al. **Drugs** 1984 Jun;27(6):469–527 (238 ref.)

Synergism between nickel and copper in their toxicity to microbes: mediation by pH. Babich H, et al. **Ecotoxicol Environ Safety** 1983 Dec;7(6):576–87

Insect immunity. Attacins, a family of antibacterial proteins from Hyalophora cecropia. Hultmark D, et al. **EMBO J** 1983;2(4):571–6

The induction of bacterial mutation and hepatocyte unscheduled DNA synthesis by monosubstituted anilines. Thompson CZ, et al. **Environ Mutagen** 1983;5(6):803–11

In vitro activity of ticarcillin plus clavulanic acid against bacteria isolated in three centers. Barry AL, et al. **Eur J Clin Microbiol** 1984 Jun;3(3):203–6

In vitro activity of ceftizoxime combined with aminoglycosides against clinical bacterial strains [letter] Diez Enciso M, et al. **Eur J Clin Microbiol** 1984 Jun; 3(3):219–20

Computer monitoring of gentamicin resistance in Czechoslovakia from 1972 to 1982. Krčméry V, et al. **Eur J Clin Microbiol** 1984 Feb;3(1):42–3

Comparison of the antibacterial in vitro and in vivo activity of ofloxacin (HOE 280 DL 8280) and nalidixic acid analogues. Seibert G, et al. **Eur J Clin Microbiol** 1983 Dec; 2(6):548–53

Inhibition of bacterial multiplication by the iron chelator deferoxamine: potentiating effect of ascorbic acid. van Asbeck BS, et al. **Eur J Clin Microbiol** 1983 Oct;2(5):426–31

Synergy between the iron cheiator deferoxamine and the antimicrobial agents gentamicin, chloramphenicol, cefalothin, cefotiam and cefsulodin. van Asbeck BS, et al. **Eur J Clin Microbiol** 1983 Oct;2(5):432–8

Sensitivity of thermoacidophilic archaebacteria to alpha–sarcin. Sanz JL, et al. **FEBS Lett** 1984 Jun 4; 171(1):63–6

Antimicrobial activity of 'clofoctol' on microorganisms of the human oral cavity. Bucşo A. **G Ital Chemioter** 1983 May–Dec;30(2–3):101–17

Antimicrobial studies of the essential oil of the berries of Juniperus macropoda Boiss. Mishra P, et al. **Hindustan Antibiot Bull** 1984 Feb–May;26(1–2):38–40

Antibiotic resistance in intensive care unit areas. Daschner F, et al. **Infect Control** 1983 Sep–Oct;4(5):382–7

Environmental factors contributing to antibiotic resistance. Phillips I. **Infect Control** 1983 Nov–Dec;4(6):448–51

Antibiotic susceptibility of bacteria commonly isolated from the upper respiratory tract [letter] Brorson JE, et al. **Infection** 1983 Sep–Oct;11(5):287–8

The effect of piperacillin prophylaxis on the colonic microflora In patients undergoing colorectal surgery. Kager L, et al. **Infection** 1983 Sep–Oct;11(5):251–4

The Antibacterial activity in vitro and beta–lactamase stability of the new cephalosporin HR 810 in comparison with five other cephalosporins and two aminoglycosides. Seibert G, et al. **Infection** 1983 Sep–Oct;11(5):275–9

In vitro investigations on the antibacterial action and the influence on the phagocytic chemiluminescence of tetrachlorodecaoxide—a new, non–metallic oxygen complex. Ullmann U, et al. **Infection** 1984 May–Jun; 12(3):225–9

A microbiological evaluation of apalcillin. Wiedemann B, et al. **Infection** 1983 Nov–Dec;11(6):340–4

Microbiologic and clinical studies with cefuroxime. Graber H, et al. **Int J Clin Pharmacol Ther Toxicol** 1983 Aug; 21(8):399–403

New antibiotics. New hopes and new problems. Eng RH. **Int J Dermatol** 1984 Apr;23(3):153–65 (82 ref.)

Canine urinary tract infections: a comparison of in vitro antimicrobial susceptibility test results and response to oral therapy with ampicillin or with trimethoprim–sulfa. Ling GV, et al. **J Am Vet Med Assoc** 1984 Aug 1;185(3):277–81

In vitro susceptibilities of canine urinary bacteria to selected antimicrobial agents. Rohrich PJ, et al. **J Am Vet Med Assoc** 1983 Oct 15;183(8):863–7

Effect of selected dietary buffers upon utilization of concentrate– or roughage–based cattle diets: laboratory studies. Hall MW, et al. **J Anim Sci** 1984 Jul;59(1):227–36

Studies of the antibacterial effect of the scandium complex of enterochelin. Plaha DS, et al. **J Antibiot (Tokyo)** 1984 May;37(5):588–95

Effect of cefoperazone on faecal flora. Alestig K, et al. **J Antimicrob Chemother** 1983 Aug;12(2):163–7

International collaborative study on standardization of bacterial sensitivity to fosfomycin. Andrews JM, et al. **J Antimicrob Chemother** 1983 Oct;12(4):357–61

Synergy with double and triple antibiotic combinations compared. Berenbaum MC, et al. **J Antimicrob Chemother** 1983 Dec;12(6):555–63

Investigations into the mechanism of action of the antibacterial agent norfloxacin. Crumplin GC, et al. **J Antimicrob Chemother** 1984 May;13 Suppl B:9–23

Frequency of appearance of resistant variants to norfloxacin and nalidixic acid. Duckworth GJ, et al. **J Antimicrob Chemother** 1984 May;13 Suppl B:33–8

Bactericidal activity of mezlocillin and azlocillin. Förster D, et al. **J Antimicrob Chemother** 1983 May;11 Suppl B:39–41

Bactericidal activity of mezlocillin and azlocillin. Förster D, et al. **J Antimicrob Chemother** 1983 May;11 Suppl C:79–81

Norfloxacin: activity against urinary tract pathogens and factors influencing the emergence of resistance. Greenwood D, et al. **J Antimicrob Chemother** 1984 Apr; 13(4):315–23

Transferable trimethoprim resistance in three Finnish hospitals. Huovinen P, et al. **J Antimicrob Chemother** 1983 Sep;12(3):249–56

Intracellular penetration and antimicrobial activity of antibiotics. Jacobs RF, et al. **J Antimicrob Chemother** 1983 Oct;12 Suppl C:13–20

The in–vitro activity of ciprofloxacin compared with that of norfloxacin and nalidixic acid. King A, et al. **J Antimicrob Chemother** 1984 Apr;13(4):325–31

Bactericidal effects of norfloxacin towards bacteria in urine. Lacey RW, et al. **J Antimicrob Chemother** 1984 May;13 Suppl B:49–54

In–vitro and in–vivo comparison of mezlocillin and cefoxitin. LeFrock JL, et al. **J Antimicrob Chemother** 1983 May;11 Suppl C:83–90

In–vitro antibacterial activity of Sch 25393, a fluorinated analogue of thiamphenicol. Marca G, et al. **J Antimicrob Chemother** 1984 May;13(5):423–7

In–vitro and in–vivo antibacterial activity of imipenem against clinical isolates of bacteria. Mitsuhashi S. **J Antimicrob Chemother** 1983 Dec;12 Suppl D:53–64

The antimicrobial spectrum of norfloxacin. Newsom SW. **J Antimicrob Chemother** 1984 May;13 Suppl B:25–31

Effect of the pH and osmolality of urine on the antibacterial activity of gentamicin. Papapetropoulou M, et al. **J Antimicrob Chemother** 1983 Dec;12(6):571–5

The in–vitro activity of mezlocillin against community hospital isolates in comparison to other penicillins and cephalosporins. Parry MF, et al. **J Antimicrob Chemother** 1983 May;11 Suppl C:97–102

The in–vitro activity of azlocillin: a community hospital study of 1900 clinical isolates. Parry MF. **J Antimicrob Chemother** 1983 May;11 Suppl B:15–20

In–vitro studies with ciprofloxacin, a new 4–quinolone compound. Reeves DS, et al. **J Antimicrob Chemother** 1984 Apr;13(4):333–46

Azlocillin: a new broad spectrum penicillin. Sanders CC. **J Antimicrob Chemother** 1983 May;11 Suppl B:21–31

Effects of subinhibitory antibiotics on bactericidal activity of chronic granulomatous disease granulocytes in vitro. Silva J Jr, et al. **J Antimicrob Chemother** 1983 Oct;12 Suppl C:21–7

Antibacterial activity of norfloxacin [letter] Spencer RC, et al. **J Antimicrob Chemother** 1983 Sep;12(3):291

Emerging bacterial resistance to the newer cephalosporins [letter] Towner KJ. **J Antimicrob Chemother** 1984 May; 13(5):526–7

In–vitro activity of enoxacin (CL–919), a new quinoline derivative, compared with that of other antimicrobial agents. Wise R, et al. **J Antimicrob Chemother** 1984 Mar; 13(3):237–44

The antimicrobial properties of two commonly used antiseptic mouthwashes—Corsodyl and Oraldene. Ashley KC. **J Appl Bacteriol** 1984 Apr;56(2):221–5

Observations on the in vitro sensitivity and resistance of Gram positive intestinal bacteria of farm animals to growth promoting antimicrobial agents. Dutta GN, et al. **J Appl Bacteriol** 1984 Feb;56(1):117–23

The influence of incubation temperature and pH on the antimicrobial properties of hen egg albumen. Tranter HS, et al. **J Appl Bacteriol** 1984 Feb;56(1):53–61

Doxorubicin degradation: changes in activity compared by bacterial growth inhibition and free radical–dependent damage to deoxyribose. Gutteridge JM, et al. **J Biol Stand** 1983 Oct;11(4):359–64

Interpretive standards and quality control limits for susceptibility tests with ampicillin–sulbactam combination disks. Barry AL, et al. **J Clin Microbiol** 1984 Feb; 19(2):134–9

Proposed zone standards for interpretation of fortimicin A disk diffusion tests. Barry AL, et al. **J Clin Microbiol** 1983 Aug;18(2):440–2

Evaluation of the Precept microdilution MIC system for single–drug testing in individual trays. Lairscey RG, et al. **J Clin Microbiol** 1984 Mar;19(3):318–20

Effectiveness of the antimicrobial removal device, BACTEC 16B medium, and thiol broth in neutralizing antibacterial activities of imipenem, norfloxacin, and related agents. Weinberg E, et al. **J Clin Microbiol** 1984 Feb;19(2):207–9

Ozone killing action against bacterial and fungal species; microbiological testing of a domestic ozone generator. Dyas A, et al. **J Clin Pathol** 1983 Oct;36(10):1102–4

Simple bacteriological methods to assess changes in subgingival microflora produced by metronidazole–containing acrylic strips placed into periodontal pockets. Addy M, et al. **J Clin Periodontol** 1984 Aug;11(7):467–74

Rumen fermentation in vitro as influenced by long chain fatty acids. Chalupa W, et al. **J Dairy Sci** 1984 Jul;67(7):1439–44

The effect of an antibacterial solution on the microflora of

human incipient fissure caries. Meiers JC, et al. **J Dent Res** 1984 Jan;63(1):47–51

Control of bacterial speck of tomato by copper and ethylenebisdithiocarbamate fungicides: their efficacy and residues on leaves. Bonn WG, et al. **J Environ Sci Health [B]** 1984 Feb;19(1):29–38

The antibacterial properties of an Aztec wound remedy. Davidson JR, et al. **J Ethnopharmacol** 1983 Aug; 8(2):149–61

Antibacterial activity of Achyrocline flaccida. Gutkind G, et al. **J Ethnopharmacol** 1984 May;10(3):319–21

Antibacterial activity and uptake into Escherichia coli of backbone–modified analogues of small peptides. Morley JS, et al. **J Gen Microbiol** 1983 Dec;129 (Pt 12):3701–8

In vitro susceptibility of hospital isolates of various bacterial genera to chlorhexidine. Pitt TL, et al. **J Hosp Infect** 1983 Jun;4(2):173–6

Antiseptics and the casualty wound [letter] Stringer MD, et al. **J Hosp Infect** 1983 Dec;4(4):410–2

Administration of antibiotics in combination. The antibacterial activity of blood serum and urine after a simultaneous administration of aminoglycosides and ampicillin. Janovská D, et al. **J Hyg Epidemiol Microbiol Immunol** 1984;28(1):33–9

Binding to and antibacterial effect of ampicillin, neomycin and polymyxin B on human faeces. Hazenberg MP, et al. **J Hyg (Lond)** 1984 Aug;93(1):27–34

Antimicrobial effect of chlorhexidine and povidone–iodine on vaginal bacteria. Vorherr H, et al. **J Infect** 1984 May; 8(3):195–9

In–vitro comparative study of Lidaprim and co–trimoxazole. Abdel–Messih EF, et al. **J Int Med Res** 1984;12(3):219–20

In vitro susceptibility of clinical bacterial isolates to aminoglycosides and third–generation cephalosporins. Charoenphol I, et al. **J Med Assoc Thai** 1983 Aug; 66(8):470–4

Antibacterial activity demonstrated by culture filtrates of Proteus mirabilis isolated from screwworm (Cochliomyia hominivorax) (Diptera: Calliphoridae) larvae. Erdmann GR, et al. **J Med Entomol** 1984 Mar 30;21(2):159–64

Comparison of in vitro activity of cefotaxime with other commonly used antimicrobial agents. Qadri SM, et al. **J Okla State Med Assoc** 1984 Feb;77(2):39–42

Antibacterial and mechanical properties of restorative materials combined with chlorhexidines. Jedrychowski JR, et al. **J Oral Rehabil** 1983 Sep;10(5):373–81

Microbiological and clinical short–term effects of repeated intracrevicular chlorhexidine rinsings. Westling M, et al. **J Periodont Res** 1984 Mar;19(2):202–9

The effect of surface adsorption and staining reactions on the antimicrobial properties of some cationic antiseptic mouthwashes. Moran J, et al. **J Periodontol** 1984 May; 55(5):278–82

An in–vitro model of intracellular bacterial infection using the murine macrophage cell line J774.2. Stevenson M, et al. **J Pharm Pharmacol** 1984 Feb;36(2):90–4

Comparative effects of selected phenothiazine tranquilizers and antihistaminics on bacterial cells and possible interactions with antibiotics. Shibl AM, et al. **J Pharm Sci** 1984 Jun;73(6):841–3

Antibacterial properties of one conventional and three high–copper dental amalgams. Glassman MD, et al. **J Prosthet Dent** 1984 Aug;52(2):199–203

Sanitization of dentures by several denture hygiene methods. Moore TC, et al. **J Prosthet Dent** 1984 Aug;52(2):158–63

Current concepts of antimicrobial therapy. I. Pickering LK, et al. **J Trop Pediatr** 1984 Apr;30(2):119–22

The quinolones [editorial] **Lancet** 1984 Jan 7;1(8367):24–5

Hypochlorite, an essential disinfectant [letter] Bianchi P, et al. **Lancet** 1984 Jun 23;1(8391):1418

Chlorhexidine: a WHO essential drug [letter] Denton GW. **Lancet** 1984 Sep 1;2(8401):517

Gentamicin resistance in gram–negative rods. Lim VK, et al. **Malays J Pathol** 1981 Aug;4:11–4

Evaluation of some hand washing and disinfection methods in the removal of transient bacterial flora. Puthucheary SD, et al. **Malays J Pathol** 1981 Aug;4:49–55

Chemical modifications in the erythromycin group leading to an increase of the antibacterial activity. Bojarska–Dahlig H, et al. **Mater Med Pol** 1982 Jan–Dec;14(1–2):79–84

Antibacterial activity of aztreonam: a synthetic monobactam. A comparative study with thirteen other antibiotics. Paradelis AG, et al. **Methods Find Exp Clin Pharmacol** 1983 Jul–Aug;5(6):375–83

In vitro activity of norfloxacin in synthetic media and human urine compared to that of cinnoxacin, nalidixic acid and pipemidic acid. Shah PM, et al. **Methods Find Exp Clin Pharmacol** 1983 Dec;5(10):731–4

Plasmid–determined resistance to antimicrobial drugs and toxic metal ions in bacteria. Foster TJ. **Microbiol Rev** 1983 Sep;47(3):361–409 (444 ref.)

Mechaniams of microbial resistance and detoxification of mercury and organomercury compounds: physiological, biochemical, and genetic analyses. Robinson JB, et al. **Microbiol Rev** 1984 Jun;48(2):95–124 (127 ref.)

Antimicrobial activity and physico–chemical properties of some alkyldimethylbenzylammonium chlorides. Daoud NN, et al. **Microbios** 1983;37(148):73–85

Antimicrobial activity of some thiol–containing heterocycles. Ghannoum MA, et al. **Microbios** 1983;37(149–150):151–9

Standardizing antimicrobial disk sensitivity testing. Faler K. **Mod Vet Pract** 1984 Mar;65(3):197–201

Antimicrobial activity of topical beta–adrenergic blocking agents. Takahashi N, et al. **Ophthalmic Res** 1983;15(6):277–9

Synthesis, physical properties and microbiological activities of more water soluble silver sulfadiazine derivatives. De Wit PP, et al. **Pharm Weekbl [Sci]** 1983 Dec 16;5(6):298–301

Effect of some selected salts and non–ionic surfactants on the antimicrobial activity of nalidixic acid. Gadalla MA, et al. **Pharmazie** 1983 Dec;38(12):858–9

Investigation on antibacterial action of some amines. Kubis A, et al. **Pharmazie** 1983 Jul;38(7):488–9

Comparison of the phototoxicity of alpha–terthienyl with that of a selenium and of an oxygen analogue. Garcia FJ, et al. **Photochem Photobiol** 1984 Apr;39(4):521–4

Medicinal plants of surinam. III: Antimicrobially active alkaloids from aspidosperma excelsum. Verpoorte R, et al. **Planta Med** 1983 Aug;48(4):283–9

The antimicrobial activity of cephalexin against old and new pathogens. Jones RN, et al. **Postgrad Med J** 1983;59 Suppl 5:9–15 (35 ref.)

The use of a human donor flora for recontamination following antibiotic decontamination. Heidt PJ, et al. **Prog Food Nutr Sci** 1983;7(3–4):53–63

Effect of urine osmolality on the antibacterial activity of gentamicin. Sofer S, et al. **Res Commun Chem Pathol Pharmacol** 1983 Aug; 41(2):323–32

Cephalexin: interpretation of sensitivity disc testing in veterinary practice. Crosse R, et al. **Res Vet Sci** 1984 May; 36(3):259–62

The impact of different antimicrobial agents on the normal gastrointestinal microflora of humans. Nord CE, et al. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl 1:S270–5

Effect of antibiotics on production of enzymes and toxins by microorganisms. Shibl AM. **Rev Infect Dis** 1983 Sep–Oct;5(5):865–75

Rifampin: spectrum of antibacterial activity. Thornsberry C, et al. **Rev Infect Dis** 1983 Jul–Aug;5 Suppl 3:S412–7

Approaches to new antibacterial and antiviral antibiotics. Thrum H. **Riv Biol** 1983 Summer;76(2):349–57 (25 ref.)

A laboratory assessment of the activities of four aminoglycosides. Schrire L, et al. **S Afr Med J** 1984 Jun 9;65(23):922–4

In vivo antibacterial effect of tin on the oral microflora. Attramadal A, et al. **Scand J Dent Res** 1984 Apr;92(2):161–4

The effect of clindamycin on the intestinal flora in patients with enteric hyperoxaluria. Nordenvall B, et al. **Scand J Gastroenterol** 1983 Mar;18(2):177–81

Sensitivity of 523 blood culture isolates to 33 antibiotics. Ode B, et al. **Scand J Infect Dis** 1984;16(1):61–71

Betalactamase–producing microorganisms in recurrent tonsillitis. Tunér K, et al. **Scand J Infect Dis [Suppl]** 1983; 39:83–5

Influence of amoxycillin and cefaclor on the colonization resistance of oropharynx. van Saene HK, et al. **Scand J Infect Dis [Suppl]** 1983;39:97–9

Study of long term effects of oil and oil–dispersant mixtures on freshwater microbial populations in man made ponds. Dutka BJ, et al. **Sci Total Environ** 1984 Apr 19;35(2):135–48

Aminoglycoside resistance in clinical isolates of gram–negative bacilli at the University Hospital of the West Indies. Bodonaik NC. **West Indian Med J** 1983 Sep; 32(3):130–9

Bactericidal activity of antimicrobial drugs in simulated urine specimens at various temperatures of incubation. Traub WH, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Nov;255(4):494–502

[Chemical and biological properties of Persteril containing an anticorrosive agent] Kneiflová J. **Cesk Epidemiol Mikrobiol Imunol** 1983 Jul;32(4):230–4 (Eng. Abstr.) (Cze)

[Model for studying the cytotoxicity and antibacterial activity of antiseptics] Campion G, et al. **Ann Pharm Fr** 1983; 41(4):373–83 (Eng. Abstr.) (Fre)

[Fluoride and microbial plaque] Borracchini A, et al. **Bull Group Int Rech Sci Stomatol Odontol** 1983 Nov; 26(3):135–45 (Eng. Abstr.) (Fre)

[Susceptibility of potential periodontopathic bacteria to metronidazole, spiramycin and their combination] Mouton C, et al. **J Biol Buccale** 1984 Mar;12(1):17–26 (Eng. Abstr.) (Fre)

[Sensitivity to fosfomycin of bacteria isolated at the Pitié–Salpétrière Hospital in 1982 and 1983] Bismuth R, et al. **Pathol Biol (Paris)** 1984 Jun;32(5 Pt 2):520–4 (Eng. Abstr.) (Fre)

[In vitro antibacterial activity of cefmenoxime (SCE 1365)] Brun Y, et al. **Pathol Biol (Paris)** 1983 May;31(5):343–6 (Eng. Abstr.) (Fre)

[Bactericidal efficacy of a disinfectant by AFNOR standards NF T 72–150 and NF T 72–151. A collaborative study] Chantefort A, et al. **Pathol Biol (Paris)** 1984 Jun;32(5 Pt 2):623–7 (Eng. Abstr.) (Fre)

[Bactericidal activity of various disinfectants with or without interfering protein substances] Chantefort A, et al. **Pathol Biol (Paris)** 1984 Jun;32(5 Pt 2):615–8 (Eng. Abstr.) (Fre)

[Multicenter study of the in vitro antibacterial activity of ceftazidime on gram–negative bacilli] Deforges L, et al. **Pathol Biol (Paris)** 1983 May;31(5):375–8 (Eng. Abstr.) (Fre)

[Multicenter study of the antibacterial activity of a new cephalosporin: CM 40874] Duval J, et al. **Pathol Biol (Paris)** 1984 May;32(5):331–4 (Eng. Abstr.) (Fre)

[In vitro activity of cefatiolene (RP 42,980) against hospital bacteria. Comparison with cefotaxime and lamoxactam. Results of a multicenter study] Duval J, et al. **Pathol Biol (Paris)** 1983 May;31(5):357–61 (Eng. Abstr.) (Fre)

[Inactivation of disinfectants by proteins and calcium ions as a function of their chemical constitution and bacterial species] Guiraud–Dauriac H, et al. **Pathol Biol (Paris)** 1984 Jun;32(5 Pt 2):611–4 (Eng. Abstr.) (Fre)

[In vitro bacteriostatic activity of cefmenoxime (SCE 1365), cefotaxime and moxalactam] Husson MO, et al. **Pathol Biol (Paris)** 1983 May;31(5):347–50 (Eng. Abstr.) (Fre)

[Comparative activity of sulfamethoxazole–trimethoprim (SMZ–TMP) on bacteria responsible for ORL infections] Joly B, et al. **Pathol Biol (Paris)** 1984 Jun;32(6):689–92 (Eng. Abstr.) (Fre)

[In vitro activity of cefmenoxime (SCE 1365) against 616 hospital strains of gram–negative bacilli chosen for beta–lactam resistance. Comparison with cefotaxime, lamoxactam and ceftazidime] Le Noc P, et al. **Pathol Biol (Paris)** 1983 May;31(5):351–6 (Eng. Abstr.) (Fre)

[In vitro activity of ceftizoxime on hospital bacteria. Results of a multicenter study] Soussy CJ, et al. **Pathol Biol (Paris)** 1984 May;32(5):326–30 (Eng. Abstr.) (Fre)

[In vitro comparison of the antibacterial activity of 1st, 2d, and 3d generation cephalosporins] Messmer JC, et al. **Sem Hop Paris** 1983 Sep 29;59(34):2389–92 (Eng. Abstr.) (Fre)

[Comparison of the in vitro antibacterial activity of trimethoprim–sulfadiazine and trimethoprim–sulfamethoxazole combinations] Thabaut A. **Therapie** 1983 Jul–Aug;38(4):399–404 (Eng. Abstr.) (Fre)

[Activity and minimal inhibitory concentration of turimycin against important pathogens in veterinary medicine] Worseck M, et al. **Arch Exp Veterinarmed** 1983 Jul; 37(4):587–97 (Eng. Abstr.) (Ger)

[Parallel resistance between cephalosporins and penicillins] Grimm H. **Arzneimittelforsch** 1984;34(1):62–5 (Eng. Abstr.) (Ger)

[Antibiotic sensitivity of bacterial flora of ram semen] Köhler–Samouilidis G. **DTW** 1984 Mar 8;91(3):106, 111 (Eng. Abstr.) (Ger)

[Effects of 5–bromouracil and 5–bromodeoxyuridine in combination with 8–aza–adenine on the UV sensitivity of bacteria] Jacob HE, et al. **Z Allg Mikrobiol** 1983; 23(8):495–501 (11 ref.) (Eng. Abstr.) (Ger)

[In vitro resistance of various organisms isolated from urinary tract infections to a trimethoprim–sulfonamide drug combination] Bollmann R, et al. **Z Gesamte Hyg** 1983 Aug; 29(8):439–40 (Eng. Abstr.) (Ger)

[Sterilization with formaldehyde vapors in a hypobaric procedure: microbiologic and toxicologic aspects] Fleck H, et al. **Z Urol Nephrol** 1984 Jun;77(6):363–72 (Eng. Abstr.) (Ger)

[Chemotherapeutic sensitivity of subgingival plaque bacteria isolated in patients with marginal periodontitis] Wachtel D, et al. **Zahn Mund Kieferheilkd** 1983;71(6):595–9 (Eng. Abstr.) (Ger)

[Antimicrobial properties of dental restoration materials] Welker D, et al. **Zahn Mund Kieferheilkd** 1984; 72(4):291–304 (Eng. Abstr.) (Ger)

[Peracetic acid as disinfectant—a review] Flemming HC. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1984 May; 179(2):97–111 (Ger)

[Effects of photochemical smog from a flow reactor on bacteria. I. Determination of the effects of photochemical smog on bacteria] Nover H, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Apr; 177(3–4):282–97 (Eng. Abstr.) (Ger)

[Effects of photochemical smog from a flow reactor on bacteria. II. Determination of bactericidal components in photochemical smog] Nover H, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Apr; 177(3–4):298–311 (Eng. Abstr.) (Ger)

[Induction of microbial growth on the walls of plastic tubes by drinking water] Tuschewitzki GJ, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Dec; 178(4):380–8 (Eng. Abstr.) (Ger)

[Stimulation of the natural self–purification of soil] Möller F. **Zentralbl Mikrobiol** 1983;138(8):595–604 (Eng. Abstr.) (Ger)

[Antibacterial activity of pipemidic acid] Torosantucci A, et al. **Ann Ist Super Sanita** 1982;18(3):467–70 (Eng. Abstr.) (Ita)

[Interaction between cefotaxime and adriamycin] Bellotti MG, et al. **G Ital Chemioter** 1984 Jan–Aug;31(1–2):73–5 (Eng. Abstr.) (Ita)

[Cefotetan: microbiologic, kinetic and clinical aspects] Di Nola F, et al. **G Ital Chemioter** 1984 Jan–Aug; 31(1–2):101–11 (Eng. Abstr.) (Ita)

[Structure–activity of cephalosporins] Gialdroni Grassi G. **G Ital Chemioter** 1982 Jul–Dec;29(2):67–76 (Eng. Abstr.) (Ita)

[Clinical evaluation of chemotherapy with cefoperazone in relation to pharmacokinetics and antimicrobial action] Novelli A, et al. **G Ital Chemioter** 1982 Jul–Dec; 29(2):109–20 (Eng. Abstr.) (Ita)

[Norfloxacin: a new oral chemotherapeutic agent effective against multi–drug–resistant Gram–negative bacteria and

cocci. Rational directions for treatment] Panichi G, et al. **G Ital Chemioter** 1984 Jan–Aug;31(1–2):65–71 (Eng. Abstr.) **(Ita)**

[Synergistic properties of quinolinium compounds with broad spectrum antibiotics] Piccolomini R, et al. **G Ital Chemioter** 1983 May–Dec;30(2–3):91–6 (Eng. Abstr.) **(Ita)**

[Evaluation of a simplified method of preparation of the inoculum for making antibiograms with the ABAC system. Comparison with the standard method in 100 cases] Ricci E, et al. **Quad Sclavo Diagn** 1982 Dec;18(4):377–82 (Eng. Abstr.) **(Ita)**

[Comparison of the Sensititre diagnostic system and the Bauer–Kirby test of sensitivity to chemotherapeutic agents in agar, on bacterial strains isolated from urinary infections] Zitelli A, et al. **Quad Sclavo Diagn** 1982 Dec;18(4):463–71 (Eng. Abstr.) **(Ita)**

[Susceptibility of clinical isolates to cefotaxime. Comparison to new antibiotics latamoxef, cefoperazone, and ceftizoxime] Asari S, et al. **Jpn J Antibiot** 1984 Feb; 37(2):267–78 (Eng. Abstr.) **(Jpn)**

[Fosfomycin susceptibility of clinical isolates from otorhinolaryngological infections] Deguchi K. **Jpn J Antibiot** 1983 Oct;36(10):2844–8 (Eng. Abstr.) **(Jpn)**

[Susceptibility of clinical isolates in pediatrics to cefpiramide] Deguchi K. **Jpn J Antibiot** 1983 Aug;36(8):2129–34 (Eng. Abstr.) **(Jpn)**

[Bacterial flora isolated from the cervical secretions of patients with acute gonorrhea and their sensitivities to spectinomycin and ampicillin] Deguchi K, et al. **Jpn J Antibiot** 1983 Aug;36(8):2098–102 (Eng. Abstr.) **(Jpn)**

[Sensitivity of the recent bacterial isolates to cefotaxime and other cephem antibiotics] Fujita S, et al. **Jpn J Antibiot** 1983 Oct;36(10):2887–92 (Eng. Abstr.) **(Jpn)**

[Chronological variations in blood isolates and their susceptibility to various antibiotics] Fujita S, et al. **Jpn J Antibiot** 1983 Dec;36(12):3399–404 (Eng. Abstr.) **(Jpn)**

[Susceptibility of bacteria isolated from lower respiratory tract infections to antibiotics (1981)] Ikemoto H, et al. **Jpn J Antibiot** 1983 Nov;36(11):2925–50 (Eng. Abstr.) **(Jpn)**

[Antibacterial peptides (XX). Synthesis and antibacterial activity of alpha-acyltetrapeptides containing basic amino acids (IX)] Ito H, et al. **Jpn J Antibiot** 1983 Dec; 36(12):3349–54 (Eng. Abstr.) **(Jpn)**

[Disc sensitivity test for micronomicin] Kanazawa Y, et al. **Jpn J Antibiot** 1983 Oct;36(10):2913–20 (Eng. Abstr.) **(Jpn)**

[A study on the disc sensitivity test for cefmenoxime] Kanazawa Y, et al. **Jpn J Antibiot** 1984 Jan;37(1):176–83 (Eng. Abstr.) **(Jpn)**

[Disc sensitivity test of cefuroxime] Kanazawa Y, et al. **Jpn J Antibiot** 1983 Jul;36(7):1676–82 (Eng. Abstr.) **(Jpn)**

[Evaluation of the disc sensitivity test for cefmetazole] Kanazawa Y, et al. **Jpn J Antibiot** 1983 Aug;36(8):2065–72 (Eng. Abstr.) **(Jpn)**

[Antibacterial potency of cefotiam based on the clinical effect, MIC and decrement of organisms in the sputum] Kawagoe M, et al. **Jpn J Antibiot** 1983 Aug;36(8):2053–7 (Eng. Abstr.) **(Jpn)**

[Comparative studies of antimicrobial agents against causative organisms isolated from urinary tract infections (1982). III. Secular changes in susceptibility] Kosakai N, et al. **Jpn J Antibiot** 1984 Apr;37(4):734–74 (Eng. Abstr.) **(Jpn)**

[Comparative studies of antimicrobial agents against causative organisms isolated from urinary tract infections (1982). I. Susceptibility distribution] Kosakai N, et al. **Jpn J Antibiot** 1984 Apr;37(4):680–722 (Eng. Abstr.) **(Jpn)**

[Comparison of sensitivity patterns of bacteria isolated from clinical materials to the 2d generation cephamycins and cephalosporins and clinical application of these antibiotics] Matsuo K, et al. **Jpn J Antibiot** 1983 Jul;36(7):1621–37 (Eng. Abstr.) **(Jpn)**

[Ceftazidime: antibacterial activity and clinical efficacy in obstetrics and gynecology] Ninomiya K, et al. **Jpn J Antibiot** 1984 Jan;37(1):14–7 (Eng. Abstr.) **(Jpn)**

[Cefmenoxime] Shimizu K. **Jpn J Antibiot** 1983 Jun; 36(6):1165–72 (13 ref.) **(Jpn)**

[Combined action of cephamycin and aminoglycoside antibiotics] Tanaka M, et al. **Jpn J Antibiot** 1983 Oct; 36(10):2869–80 (Eng. Abstr.) **(Jpn)**

[In vitro antibacterial activity of cefoperazone] Watanabe Y, et al. **Jpn J Antibiot** 1983 Dec;36(12):3437–43 (Eng. Abstr.) **(Jpn)**

[On the bacterial effectiveness of various disinfectants (II)] Satsuda K, et al. **Nippon Ika Daigaku Zasshi** 1984 Feb; 51(1):99–103 **(Jpn)**

[Germicidal potency of various disinfectants (3)] Satsuta K, et al. **Nippon Ika Daigaku Zasshi** 1984 Jun;51(3):385–9 **(Jpn)**

[Future development of antibiotics. 4. Tetracycline antibiotics] Goto S, et al. **Nippon Rinsho** 1984 Mar; 42(3):547–52 (13 ref.) **(Jpn)**

[Antibacterial peptide. 19. Synthesis and antibacterial activity of alpha-acylpentapeptides containing basic amino acids. (8)] Ito H, et al. **Yakugaku Zasshi** 1983 Jul;103(7):766–70 (Eng. Abstr.) **(Jpn)**

[What is the role of clinical pharmacology in the present-day selection of antibacterial antibiotics?] Chruściel TL. **Przegl Lek** 1984;41(4):347–50 **(Pol)**

[Can we utilize current bacteriological diagnostic methods for the purpose of drug selection?] Dzierżanowska D. **Przegl Lek** 1984;41(3):287–91 **(Pol)**

[Comparative studies of the antibacterial activity of procaine powder of various origins] Păltrașcu M. **Rev Ig [Bacteriol]** 1983 Oct–Dec;28(4):351–9 (Eng. Abstr.) **(Rum)**

[Bacterial tolerant to antibiotics with action on the wall] Timoșca S, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Jan–Mar;87(1):21–4 **(Rum)**

[Prevention of the formation of drug resistance in bacterial populations by using biologically active substances] Afinogenov GE, et al. **Antibiotiki** 1984 Jun;29(6):417–21 (Eng. Abstr.) **(Rus)**

[Potentiation of the antimicrobial action of antibiotics in combination with oxytocin] Bukharin OV, et al. **Antibiotiki** 1984 May;29(5):365–9 (Eng. Abstr.) **(Rus)**

[Combined antimicrobial action of mecillinam and ampicillin] Khantimer EI. **Antibiotiki** 1983 Aug;28(8):589–91 (Eng. Abstr.) **(Rus)**

[Screening of effective agents for decreasing microorganism resistance to antibiotics] Klimniuk SI. **Antibiotiki** 1984 Mar; 29(3):182–4 (Eng. Abstr.) **(Rus)**

[Role of multiple drug resistance in the biology of pathogenic and opportunistic bacteria] Petrovskaia VG. **Antibiotiki** 1984 Feb;29(2):104–11 (47 ref.) (Eng. Abstr.) **(Rus)**

[Microflora of the gallbladder in chronic calculous cholecystitis and its antibiotic sensitivity] Veselov AIa, et al. **Antibiotiki** 1984 Jan;29(1):52–6 (Eng. Abstr.) **(Rus)**

[Use of statistical graph methods to analyze the effect of environmental chemical pollutants on microorganisms] Geniatulin. **Gig Sanit** 1984 Mar;(3):65–70 **(Rus)**

[Use of a calculation method to evaluate the comparative activity of bactericidal preparations] Kruchenok TB, et al. **Gig Sanit** 1984 Mar;(3):61–5 **(Rus)**

[Bacterial flora of the conjunctiva and their sensitivity to antibiotics] Karanadze NA, et al. **Vestn Oftalmol** 1984 May–Jun;(3):54–7 (Eng. Abstr.) **(Rus)**

[Transferable resistance to cephalosporins, ureidopenicillins (azlocillin, mezlocillin) and trimethoprim in Czechoslovakia] Krčméry V, et al. **Cas Lek Cesk** 1984 Jun 1;123(22):666–9 (Eng. Abstr.) **(Slo)**

[Bacterial resistance to beta-lactam antibiotics (editorial)] Roy C. **Med Clin (Barc)** 1983 Sep 17;81(7):299–301 **(Spa)**

[Old and new cephalosporins: comparative study of their activity in vitro against bacteria isolated from infectious processes] Prado V, et al. **Rev Med Chil** 1983 Dec; 111(12):1241–7 (Eng. Abstr.) **(Spa)**

[Clinical pharmacology of the most frequently used aminoglucosides: gentamycin, tobramycin and amikacin] Cuena Boy R, et al. **Rev Med Univ Navarra** 1983 Dec; 27(4):21–7 **(Spa)**

ENZYMOLOGY

Use of endoproteinase Lys-C from Lysobacter enzymogenes in protein sequence analysis. Jekel PA, et al. **Anal Biochem** 1983 Oct 15;134(2):347–54

Aerobic ferrisiderophore reductase assay and activity stain for native polyacrylamide gels. Moody MD, et al. **Anal Biochem** 1983 Oct 1;134(1):235–9

The IgA1 proteases of pathogenic bacteria. Plaut AG. **Annu Rev Microbiol** 1983;37:603–22 (58 ref.)

Characterization of microbial proteolytic enzymes in the rumen. Prins RA, et al. **Antonie Van Leeuwenhoek** 1983 Dec;49(6):585–95

Simple screening method for isolation of penicillin acylase-producing bacteria. Meevootisom V, et al. **Appl Environ Microbiol** 1983 Nov;46(5):1227–9

Improved method for detection of glycosidases in bacterial colonies. Paoni NF, et al. **Appl Environ Microbiol** 1984 Jan;47(1):208–9

Production of two phosphatases by Lysobacter enzymogenes and purification and characterization of the extracellular enzyme. von Tigerstrom RG. **Appl Environ Microbiol** 1984 Apr;47(4):693–8

Purification and properties of protease F, a bacterial enzyme with chymotrypsin and elastase specificities. Birk Y, et al. **Arch Biochem Biophys** 1983 Sep;225(2):451–7

ESR characteristics of sulfhydryl-containing peptide-nickel (III) complexes: implication for nickel (III) center of hydrogenases. Sugiura Y, et al. **Biochem Biophys Res Commun** 1983 Sep 30;115(3):878–81

Dihydrolipoamide dehydrogenase from halophilic archaebacteria. Danson MJ, et al. **Biochem J** 1984 Mar 15; 218(3):811–8

Characterization of methylamine dehydrogenase from bacterium W3A1. Interaction with reductants and amino-containing compounds. Kenney WC, et al. **Biochemistry** 1983 Aug 2;22(16):3858–68

Resonance Raman study of the aa3-type cytochrome oxidase of thermophilic bacterium PS3. Ogura T, et al. **Biochemistry** 1984 Jun 5;23(12):2826–31

Purification and partial characterization of two cytochrome oxidases (caa3 and o) from the thermophilic bacterium PS3. Baines BS, et al. **Biochim Biophys Acta** 1984 Aug 31; 766(2):438–45

The proton conducting F0-part of bacterial ATP synthases. Hoppe J, et al. **Biochim Biophys Acta** 1984 Apr 9; 768(1):1–27 (141 ref.)

Survey, purification, and properties of sugar phosphate phosphohydrolase among microorganisms. Choy FY, et al. **Can J Biochem Cell Biol** 1983 Dec;61(12):1292–303

Inhibitors of urease as chemotherapeutic agents. Rosenstein IJ, et al. **CRC Crit Rev Microbiol** 1984;11(1):1–12 (97 ref.)

Three-dimensional structure of fungal proteinase K reveals similarity to bacterial subtilisin. Pähler A, et al. **EMBO J** 1984 Jun;3(6):1311–4

Pyridinium 2-azo-p-dimethylaniline chromophore, a chromogenic reagent for beta-lactamase testing compared to nitrocefin. Barlam T, et al. **Eur J Clin Microbiol** 1984 Jun;3(3):185–9

Detoxification of pesticides by microbial enzymes. Johnson LM, et al. **Experientia** 1983 Nov 15;39(11):1236–46 (65 ref.)

Identification of possible adenine nucleotide-binding sites in nitrogenase Fe- and MoFe-proteins by amino acid sequence comparison. Robson RL. **FEBS Lett** 1984 Aug 6;173(2):394–8

Chloridazon-catechol dioxygenases, a distinct group of meta-cleaving enzymes. Schmitt S, et al. **Hoppe Seylers Z Physiol Chem** 1984 Feb;365(2):143–50

The presence of phospholipase A and lysophospholipase activities in culture supernatant fluid from Alteromonas espejiana. Cadman E, et al. **Int J Biochem** 1983;15(9):1155–9

Impact of isozymes upon partitioning of carbon flow and regulation of aromatic biosynthesis in prokaryotes. Byng GS, et al. **Isozymes Curr Top Biol Med Res** 1983;8:115–40

Inhibition of glucosamine-6-phosphate synthetase from bacteria by anticapsin. Chmara H, et al. **J Antibiot (Tokyo)** 1984 Jun;37(6):652–8

Inactivation of cephamycins by various beta-lactamases from gram-negative bacteria. Minami S, et al. **J Antibiot (Tokyo)** 1984 May;37(5):577–87

Inducible beta-lactamases and non-hydrolytic resistance mechanisms. Sanders CC. **J Antimicrob Chemother** 1984 Jan;13(1):1–3

3-Dimensional susceptibility testing of beta-lactam antibiotics. Thomson KS, et al. **J Antimicrob Chemother** 1984 Jan;13(1):45–54

Microbial distribution of selenocysteine lyase. Chocat P, et al. **J Bacteriol** 1983 Oct;156(1):455–7

Murein structure and lack of DD- and LD-carboxypeptidase activities in Caulobacter crescentus. Markiewicz Z, et al. **J Bacteriol** 1983 Nov;156(2):649–55

Separation and distribution of thiosulfate-oxidizing enzyme, tetrathionate reductase, and thiosulfate reductase in extracts of marine heterotroph strain 16B. Whited GM, et al. **J Bacteriol** 1983 Nov;156(2):600–10

High vectorial proton stoichiometry by cytochrome c oxidase from the thermophilic bacterium PS3 reconstituted in liposomes. Sone N, et al. **J Biol Chem** 1984 Feb 10; 259(3):1405–8

Isolation and comparison of two molecular species of the BAL 31 nuclease from Alteromonas espejiana with distinct kinetic properties. Wei CF, et al. **J Biol Chem** 1983 Nov 25;258(22):13506–12

Quantitative screening of clinical isolates for immunoglobulin A protease production. Lindler LE, et al. **J Clin Microbiol** 1983 Aug;18(2):365–71

Measurement of microbial alpha-amylases with p-nitrophenyl glycosides as the substrate complex. Trepeta RW, et al. **J Clin Microbiol** 1984 Jan;19(1):60–2

Production of histolytic enzymes by a combination of oral bacteria with known pathogenicity. Dahlén G, et al. **J Dent Res** 1983 Oct;62(10):1041–4

Thymidine kinase of bacteria: activity of the enzyme in actinomycetes and related organisms. Saito H, et al. **J Gen Microbiol** 1984 Jul;130 (Pt 7):1863–70

Inhibition of arabinose 5-phosphate isomerase. An approach to the inhibition of bacterial lipopolysaccharide biosynthesis. Bigham EC, et al. **J Med Chem** 1984 Jun; 27(6):717–26

Small-angle X-ray scattering study of adenosine triphosphatase from thermophilic bacterium PS3. Furuno T, et al. **J Mol Biol** 1983 Oct 15;170(1):137–53

Bacteriophage survival: multiple mechanisms for avoiding the deoxyribonucleic acid restriction systems of their hosts. Krüger DH, et al. **Microbiol Rev** 1983 Sep;47(3):345–60 (136 ref.)

The selective staining mechanism of phosphatase producing colonies in the diphosphatephenolphthalein-methyl green method for the detection of bacterial phosphatase activity. Satta G, et al. **Microbiologica** 1984 Apr;7(2):159–70

The promise of enzymes in therapy of uremia. III. Enzyme preparation. Setälä K. **Nephron** 1984;37(1):12–20

The promise of enzymes in therapy of uremia. II. Theoretical basis—enzyme properties. Setälä K. **Nephron** 1984; 37(1):7–11 (62 ref.)

Restriction and modification enzymes and their recognition sequences. Roberts RJ. **Nucleic Acids Res** 1984;12 Suppl:r167–204

Nature and properties of the bacterial ribonucleotide reductases. Hogenkamp HP. **Pharmacol Ther** 1983; 23(3):393–405 (75 ref.)

Sucrase and maltase activities in supragingival dental plaque in humans of streptococcal, actinomyces and lactobacilli species. Fiehn NE, et al. **Scand J Dent Res** 1984 Apr; 92(2):97–108

A novel MN2+-oxidizing enzyme system in a freshwater bacterium. Zindulis J, et al. **Z Allg Mikrobiol** 1983;

23(7):457–65
[Determination of beta-lactamase types of clinical strains of bacteria using a modified microiodometric method] Sazykin AIu, et al. **Antibiotiki** 1984 Jun;29(6):413–7 (Eng. Abstr.) (Rus)
[Comparison of the immunodepressive action of microbial deamidases from different sources] Kozlov EA, et al. **Biull Eksp Biol Med** 1984 May;97(5):565–7 (Eng. Abstr.) (Rus)
[Dry yeast medium for determining the decarboxylase activity of microorganisms] Lipaeva LS, et al. **Lab Delo** 1984;(4):247–8 (Eng. Abstr.) (Rus)
[Bacterial autolysins] López R, et al. **Microbiol Esp** 1983 Jan-Jun;36(1-2):45–57 (65 ref.) (Spa)

GENETICS

A novel chromatographic procedure for purification of bacterial plasmids. Bywater M, et al. **Anal Biochem** 1983 Jul 1;132(1):219–24
A rapid method for preparation of bacterial plasmids. Summerton J, et al. **Anal Biochem** 1983 Aug;133(1):79–84
Kinetics of product formation and plasmid segregation in recombinant microbial populations. Bailey JE, et al. **Ann NY Acad Sci** 1983;413:71–87
Mutational specificity in bacteria. Miller JH. **Annu Rev Genet** 1983;17:215–38 (106 ref.)
Self-transmissible plasmid in Zymomonas mobilis carrying antibiotic resistance. Walia SK, et al. **Appl Environ Microbiol** 1984 Jan;47(1):198–200
Genetic control of environmental pollutants. **Basic Life Sci** 1984;28:1–408
Engineering organisms to survive. Introduction. Levin M, et al. **Basic Life Sci** 1984;28:91–5
Genetic switches by DNA versions in prokaryotes. Plasterk RH, et al. **Biochim Biophys Acta** 1984 Jun 16;782(2):111–9 (54 ref.)
Use of flow cytometry in industrial microbiology for strain improvement programs. Betz JW, et al. **Cytometry** 1984 Mar;5(2):145–50
The nucleotide sequence of the 16S ribosomal RNA gene of the archaebacterium Halococcus morrhua. Leffers H, et al. **EMBO J** 1984 Jul;3(7):1613–9
Current questions of gene transfer via protoplast fusion in microorganisms. Ferenczy L. **Experientia [Suppl]** 1983; 46:137–42
Genome organization and transcription in archaebacteria. Schnabel H, et al. **Folia Biol (Praha)** 1984;30 Spec No:2–6
Mechanisms of antibiotic resistance and their dissemination of resistance genes in the hospital environment. Wiedemann B. **Infect Control** 1983 Nov-Dec;4(6):444–7
Characterization of IS46, an insertion sequence found on two IncN plasmids. Brown AM, et al. **J Bacteriol** 1984 Aug; 159(2):472–81
Caulobacter crescentus fatty acid-dependent cell cycle mutant. Hodgson D, et al. **J Bacteriol** 1984 Apr; 158(1):156–62
Genetic analysis and characterization of a Caulobacter crescentus mutant defective in membrane biogenesis. Hodgson D, et al. **J Bacteriol** 1984 May;158(2):430–40
Transposon Tn5 encodes streptomycin resistance in nonenteric bacteria. O'Neill EA, et al. **J Bacteriol** 1984 Jul;159(1):388–9
Isolation of pigmentation mutants of the green filamentous photosynthetic bacterium Chloroflexus aurantiacus. Pierson BK, et al. **J Bacteriol** 1984 Jul;159(1):222–7
Purification, bacterial expression, and biological activities of the human interferons. Langer JA, et al. **J Invest Dermatol** 1984 Jul;83(1 Suppl):128s–136s (53 ref.)
US genetic regulations: bacterial field trial to go ahead [news] Budiansky S. **Nature** 1984 Jun 7–13;309(5968):483
Genetic engineering: frost damage trial halted [news] Budiansky S. **Nature** 1983 Oct 13–19;305(5935):564
Bacterial problems [letter] Raven PH. **Nature** 1984 Jul 12–18; 310(5973):96
Molecular genetic evidence for early evolutionary origin of budding peptidoglycan-less eubacteria. Stackebrandt E, et al. **Nature** 1984 Feb 23–29;307(5953):735–7
Generation of a Tn5 promoter probe and its use in the study of gene expression in Caulobacter crescentus. Bellofatto V, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(4):1035–9
Analysis of the pleiotropic regulation of flagellar and chemotaxis gene expression in Caulobacter crescentus by using plasmid complementation. Bryan R, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(5):1341–5
Ribosome evolution: the structural bases of protein synthesis in archaebacteria, eubacteria, and eukaryotes. Lake JA. **Prog Nucleic Acid Res Mol Biol** 1983;30:163–94 (93 ref.)
Transferable trimethoprim resistance in urinary tract pathogens isolated in Finland and Sweden. Dornbusch K, et al. **Scand J Infect Dis** 1983;15(3):285–91
[Genetic approach to the virulence of bacteria] Cornelis G. **Ann Biol Clin (Paris)** 1983;41(6):411–8 (Eng. Abstr.) (Fre)
[The significance of jumping genes in the development of antibiotic resistance of bacteria] Meyer J. **Schweiz Med Wochenschr** 1983 Oct 15;113(41):1494–500 (Eng. Abstr.) (Ger)
[Clone conception—a contribution to solution of problems in the prevention of infectious diseases] Rische H, et al. **Z Gesamte Hyg** 1984 Jan;30(1):24–6 (Eng. Abstr.) (Ger)
[An information-search system for micro-organism collection] Gol'denberg DS, et al. **Genetika (Moskva)** 1983 Dec;19(12):1948–51 (Eng. Abstr.) (Rus)

GROWTH & DEVELOPMENT

Evaluation of the string test in intestinal bacterial overgrowth. Liebman WM, et al. **Am J Dis Child** 1983 Dec;137(12):1177–8
Effects of time, temperature, and preservative on bacterial growth in enteral nutrient solutions. Fagerman KE, et al. **Am J Hosp Pharm** 1984 Jun;41(6):1122–6
Microbial growth patterns in intravenous fat emulsions. Keammerer D, et al. **Am J Hosp Pharm** 1983 Oct; 40(10):1650–3
The influence of dilution rate, temperature, and influent substrate concentration on the efficiency of steady-state biomass production in continuous microbial culture. Quinlan AV. **Ann NY Acad Sci** 1983;413:197–210
Ultrafiltration processes in biotechnology. Tutunjian RS. **Ann NY Acad Sci** 1983;413:238–53
Integrating biochemical separation and purification steps in fermentation processes. Wang HY. **Ann NY Acad Sci** 1983; 413:313–21
Bactericidal activity of wet cerumen. Stone M, et al. **Ann Otol Rhinol Laryngol** 1984 Mar-Apr;93(2 Pt 1):183–6
Implantation and development of the gut flora in the newborn animal. Ducluzeau R. **Ann Rech Vet** 1983;14(4):354–9
Correlation of microenvironmental drug concentration with inhibition of growth of microorganisms on surfaces. Cesar EY, et al. **Antimicrob Agents Chemother** 1983 Dec; 24(6):941–6
A deterministic model for monophasic growth of batch cultures of bacteria. Jason AC. **Antonie Van Leeuwenhoek** 1983 Dec;49(6):513–36
Distribution and effects of a defined six-member murine-derived microflora in gnotobiotic gerbils. Bartizal KF, et al. **Appl Environ Microbiol** 1984 Apr;47(4):746–51
Response of marine bacterioplankton to differential filtration and confinement. Ferguson RL, et al. **Appl Environ Microbiol** 1984 Jan;47(1):49–55
Pragmatic criteria to distinguish psychrophiles and psychrotrophs in ecological systems. Gow JA, et al. **Appl Environ Microbiol** 1984 Jan;47(1):213–5
Microbial uptake of radiolabeled substrates: estimates of growth rates from time course measurements. Li WK. **Appl Environ Microbiol** 1984 Jan;47(1):184–92
Microbial growth associated with granular activated carbon in a pilot water treatment facility. Wilcox DP, et al. **Appl Environ Microbiol** 1983 Aug;46(2):406–16
The role of calcium in stalk development and in phosphate acquisition in Caulobacter crescentus. Poindexter JS. **Arch Microbiol** 1984 Jun;138(2):140–52
Unidirectional polar growth of cells of Seliberia stellata and aquatic seliberia-like bacteria revealed by immunoferritin labeling. Schmidt JM, et al. **Arch Microbiol** 1984 Jun; 138(2):89–95
Evaluation of turkey cecal microflora in protecting day-old poults from Salmonella typhimurium challenge. Reid CR, et al. **Avian Dis** 1983 Jul-Sep;27(3):632–43
Antimicrobial activity of amniotic fluid in South Indian women. Mathai M, et al. **Br J Obstet Gynaecol** 1984 Jun; 91(6):560–4
Altered motility and duration of bacterial overgrowth in experimental blind loop syndrome. Justus PG, et al. **Dig Dis Sci** 1984 Jul;29(7):643–8
Isolation and cultivation of microbes with biodegradative potential. Cook AM, et al. **Experientia** 1983 Nov 15; 39(11):1191–8 (69 ref.)
Implications of Freter's model of bacterial colonization. McKay IC, et al. **Infect Immun** 1984 Apr;44(1):199–203
Microbiological method of vitamin assay. Steele da Cruz F. **Int Z Vitam Ernahrungsforsch [Beih]** 1983;24:173–6
Microbial growth at reduced water activities: some physicochemical properties of compatible solutes. Chirife J, et al. **J Appl Bacteriol** 1984 Apr;56(2):259–68
The general utility of a glycerophosphate-Tris buffered medium. Douglas J, et al. **J Appl Bacteriol** 1984 Apr; 56(2):321–6
Microculture model studies on the effect of various gas atmospheres on microbial growth at different temperatures. Eklund T, et al. **J Appl Bacteriol** 1983 Aug;55(1):119–25
The effect of yoghurt on some components of the gut microflora and on the metabolism of lactose in the rat. Garvie EI, et al. **J Appl Bacteriol** 1984 Apr;56(2):237–45
The microbial flora of herring fillets after storage in carbon dioxide, nitrogen or air at 2 degrees C. Molin G, et al. **J Appl Bacteriol** 1983 Aug;55(1):49–56
Methods for the direct and indirect assessment of the bacterial content of milk. O'Toole DK. **J Appl Bacteriol** 1983 Oct; 55(2):187–201 (137 ref.)
Rapid detection of bacterial growth in blood cultures by bioluminescent assay of bacterial ATP. Molin O, et al. **J Clin Microbiol** 1983 Sep;18(3):521–5
Clinical correlations of serial quantitative blood cultures determined by lysis-centrifugation in patients with persistent septicemia. Whimbey E, et al. **J Clin Microbiol** 1984 Jun;19(6):766–71
Changes of bacterial numbers and carbohydrate fermenting groups during in vitro rumen incubations with feedstuff materials. Leedle JA, et al. **J Dairy Sci** 1984 Apr; 67(4):808–16
Effect of carbon-4 and carbon-5 volatile fatty acids on growth of mixed rumen bacteria in vitro. Russell JB, et al. **J Dairy Sci** 1984 May;67(5):987–94
Microthrix parvicella, a filamentous bacterium from activated sludge: growth on Tween 80 as carbon and energy source. Slijkhuis H, et al. **J Gen Microbiol** 1984 Aug;130 (Pt 8):2035–42
Development of the normal gastrointestinal microflora of specific pathogen-free chickens. Coloe PJ, et al. **J Hyg (Lond)** 1984 Feb;92(1):79–87
The microbiology of selected retail food products with an evaluation of viable counting methods. Greenwood MH, et al. **J Hyg (Lond)** 1984 Feb;92(1):67–77
A minimal apparatus method for counting bacteria: comparison with reference method in surveying beef carcasses at three commercial abattoirs. Hudson WR, et al. **J Hyg (Lond)** 1983 Dec;91(3):459–66
Effect of erythromycin on microbial antagonisms: a study in gnotobiotic mice associated with a human fecal flora. Andremont A, et al. **J Infect Dis** 1983 Sep;148(3):579–87
Killing of fabric-associated bacteria in hospital laundry by low-temperature washing. Blaser MJ, et al. **J Infect Dis** 1984 Jan;149(1):48–57
How does a bacterium grow during its cell cycle? Burdett ID, et al. **J Theor Biol** 1983 Jul 7;103(1):11–20
'Normalization' of germfree mice with anaerobically cultured caecal flora of 'normal' mice. Koopman JP, et al. **Lab Anim** 1984 Apr;18(2):188–94
Some aspects of the gastrointestinal microflora of germfree mice associated with cultured microfloras. Koopman JP, et al. **Lab Anim** 1983 Jul;17(3):188–95
Longevity of selected bacteria in black water. Stender JO, et al. **Microbiologica** 1983 Oct;6(4):347–53
Possible artefactual basis for apparent bacterial growth at 250 degrees C. Trent JD, et al. **Nature** 1984 Feb 23–29; 307(5953):737–40
Colonization of particulates, mucous, and intestinal tissue. Costerton JW, et al. **Prog Food Nutr Sci** 1983;7(3–4):91–105
Mechanisms by which indigenous microorganisms colonize gastrointestinal epithelial surfaces. Savage DC. **Prog Food Nutr Sci** 1983;7(3–4):65–74
Bacterial overgrowth associated with a naturally occurring enteropathy in the German shepherd dog. Batt RM, et al. **Res Vet Sci** 1983 Jul;35(1):42–6
Influence of digestive microflora on parasite development and the pathogenic effect of Eimeria ovinoidalis in the axenic, gnotoxenic and conventional lamb. Gouet P, et al. **Res Vet Sci** 1984 Jan;36(1):21–3
Jejunoileal bypass: change in the flora of the small intestine and its clinical impact. Corrodi P. **Rev Infect Dis** 1984 Mar-Apr;6 Suppl 1:S80–4 (42 ref.)
Selective decontamination of alimentary tract microbial flora in patients treated with bone marrow transplantation. A microbiological study. Heimdahl A, et al. **Scand J Infect Dis** 1984;16(1):51–60
Colonization of central venous catheters. Prager RL, et al. **South Med J** 1984 Apr;77(4):458–61
A comparison of manganese oxidation by growing and resting cells of a freshwater bacterial isolate, strain FMn 1. Zapkin MA, et al. **Z Allg Mikrobiol** 1983;23(7):447–55
[Secondary metabolites as endogenous effectors of microbial cytodifferentiation] Gräfe U. **Z Allg Mikrobiol** 1983; 23(5):319–43 (Eng. Abstr.) (Ger)
[Effect of solid substrates of microbial colony development] Bomar MT. **Z Ernahrungswiss** 1984 Mar;23(1):58–65 (Eng. Abstr.) (Ger)
[Colonization resistance of the digestive tract—significance and implications for the prevention of hospital infections] Günther I, et al. **Z Gesamte Hyg** 1984 Jan;30(1):14–20 (Eng. Abstr.) (Ger)
[Qualitative and quantitative determination of bacterial populations in aquatic habitats. 6. Germ regrowth and drinking water] Dott W. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Oct; 178(3):263–79 (Eng. Abstr.) (Ger)
[Automated microbial sensitivity tests noting the difference in bacterial growth profiles—determination of the minimal inhibitory concentration (MIC) of bacteria contaminated by drug-resistant mutant strains] Miike H, et al. **Iyodenshi To Seitai Kogaku** 1983 Apr;21(2):100–5 (Eng. Abstr.) (Jpn)
[Relation between microbial status of the remaining infected dentin and pulpal response under various restorations—in the case of rat molars] Bushita M. **Kokubyo Gakkai Zasshi** 1983 Jun;50(2):163–78 (Eng. Abstr.) (Jpn)
[Growth kinetics of microorganisms with various ecological strategies in a dialysis culture at low specific growth rates] Dorofeev AG, et al. **Mikrobiologiia** 1984 Mar-Apr; 53(2):271–4 (Eng. Abstr.) (Rus)
[Growth of Seliberia carboxydohydrogena carboxy bacteria with an altered composition of the gas mixture] Volova TG, et al. **Mikrobiologiia** 1983 Jul-Aug;52(4):533–7 (Eng. Abstr.) (Rus)
[Review of patent documents on the preparation of nutrient media for growing bacteria] Orel LL, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Dec;(12):22–6 (53 ref.) (Rus)
[Antimicrobial properties of amniotic fluid] Mlynček M, et al. **Bratisl Lek Listy** 1984 Jan;81(1):99–105 (Slo)

IMMUNOLOGY

Immunomodulation by small molecular weight bacterial products. Friedman H. **Adv Exp Med Biol** 1983;166:199–214
The mechanisms of bronchospasm in experimental microbial

sensitization. I. Immunological stage. Beklemishev ND, et al. **Allergol Immunopathol (Madr)** 1984 Mar-Apr; 12(2):129-34

Cell-wall defective bacteria and Crohn's disease: studies using athymic nude mice. Zuckerman MJ, et al. **Am J Gastroenterol** 1984 Feb;79(2):104-8

Phagocytosis and intracellular killing of the contagious equine metritis organism by equine neutrophils in genital secretions. Bertram TA, et al. **Am J Vet Res** 1983 Oct; 44(10):1923-7

The effects of severe protein-calorie malnutrition on antibacterial defense mechanisms in the rat lung. Martin TR, et al. **Am Rev Respir Dis** 1983 Dec;128(6):1013-9

Effect of oral administration of a variety of bacteria on depressed macrophage functions in tumour-bearing rats. Iannello D, et al. **Ann Immunol (Paris)** 1984 May-Jun; 135C(3):345-52

Inhibition of bacterial clearance in the guinea pig by fluid-phase C3b. Ogle CK, et al. **Arch Surg** 1984 Jan; 119(1):57-60

A study of the specificity of the direct binding between bacteria and HLA antigens. Maeda K, et al. **Clin Exp Immunol** 1984 Sep;57(3):694-702

Intrinsic asthma and bacterial histamine release. Possible role of bacterial surface lectins. Jensen C, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 2):391-3

Wheat germ agglutinin potentiates uptake of bacteria by murine peritoneal macrophages. Gallily R, et al. **Immunology** 1984 Aug;52(4):679-86

T-cell regulation of polyclonal B-cell activation induced by extracts of oral bacteria associated with periodontal diseases. Carpenter AB, et al. **Infect Immun** 1984 Jan; 43(1):326-36

Evidence oi mitogenic activity in periodontitis-associated bacteria. Donaldson SL, et al. **Infect Immun** 1983 Nov; 42(2):487-95

B-lymphocyte blastogenesis in response to periodontitis-associated bacteria. Kinetics and proportion of total response. Donaldson SL, et al. **J Periodontol** 1984 Jun;55(6):359-63

Microbial interactions with neutrophils. Spitznagel JK. **Rev Infect Dis** 1983 Sep-Oct;5 Suppl 4:S806-22 (133 ref.)

Antibody-coated bacteria in ejaculate in bacterial prostatitis. Riedasch G, et al. **Urology** 1984 Mar;23(3):252-5

Generation of leukotrienes and lipoxygenase factors from human polymorphonuclear granulocytes during bacterial phagocytosis and interaction with bacterial exotoxins. Bremm KD, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Jul; 254(4):500-14

[Antitumor immunoadjuvants of microbial origin: the limitations in the immune system and microbial structure] Cassone A. **Ann Ist Super Sanita** 1982;18(3):497-500 (10 ref.) (Eng. Abstr.) **(Ita)**

ISOLATION & PURIFICATION

Isolation of mesophilic anaerobes from antarctic krill (Euphausia superba). Dabrowski J, et al. **Acta Microbiol Pol** 1983;32(1):95-8

Bacteriological study of amniotic fluid during labor. Maye DP, et al. **Acta Obstet Gynecol Scand** 1983;62(6):603-7

Personal air samplers for measuring occupational exposures to biological hazards. Macher JM, et al. **Am Ind Hyg Assoc J** 1984 Feb;45(2):76-83

Evaluation of the BACTEC 16B medium in a cancer center. Tegtmeier BR, et al. **Am J Clin Pathol** 1984 Jun;81(6):783-6

Gram's stains of tracheal secretions predict neonatal bacteremia. Sherman MP, et al. **Am J Dis Child** 1984 Sep; 138(9):848-50

Utility of intraoperative bacterial cultures in the prediction of endometritis following cesarean birth. O'Brien WF, et al. **Am J Obstet Gynecol** 1984 May 15;149(2):232-3

New and newer enteric pathogens: stages in our knowledge [editorial] Holmberg SD, et al. **Am J Public Health** 1984 Mar;74(3):205-7

Bacteriologic evaluation of electric clippers for surgical hair removal. Masterson TM, et al. **Am J Surg** 1984 Sep; 148(3):301-2

Bacteria isolated from lymph nodes of Californin slaughter swine. Morse JW, et al. **Am J Vet Res** 1984 Aug; 45(8):1648-9

The interaction of proteins and cells with affinity ligands covalently coupled to silicon surfaces as monitored by ellipsometry. Mandenius CF, et al. **Anal Biochem** 1984 Feb; 137(1):106-14

Bacterial interference with coliform colony sheen production on membrane filters. Burlingame GA, et al. **Appl Environ Microbiol** 1984 Jan;47(1):56-60

Bacteriological analysis of water by potentiometric measurement of lipoic acid reduction: preliminary assays for selective detection of indicator organisms. Charriere G, et al. **Appl Environ Microbiol** 1984 Jan;47(1):160-6

Comparison of methods for recovery of Escherichia coli and Staphylococcus aureus from seeded laundry fabrics. Cody HJ, et al. **Appl Environ Microbiol** 1984 May;47(5):965-70

Malachite green-INT (MINT) method for determining active bacteria in sewage. Dutton RJ, et al. **Appl Environ Microbiol** 1983 Dec;46(6):1263-7

Bacteria associated with crabs from cold waters with emphasis on the occurrence of potential human pathogens. Faghri MA, et al. **Appl Environ Microbiol** 1984 May; 47(5):1054-61

Comparison of media for isolation of poultry intestinal bacteria. Kelley RW. **Appl Environ Microbiol** 1983 Aug; 46(2):421-4

Relationship between lactic acid concentration and bacterial spoilage in ground beef. Nassos PS, et al. **Appl Environ Microbiol** 1983 Oct;46(4):894-900

Relation of rumen ATP concentration to bacterial and protozoal numbers. Nuzback DE, et al. **Appl Environ Microbiol** 1983 Sep;46(3):533-8

Microbial metabolism of haloaromatics: isolation and properties of a chlorobenzene-degrading bacterium. Reineke W, et al. **Appl Environ Microbiol** 1984 Feb; 47(2):395-402

Bacteriological quality of crops irrigated with wastewater in the Xochimilco plots, Mexico City, Mexico. Rosas I, et al. **Appl Environ Microbiol** 1984 May;47(5):1074-9

Cellulolytic bacteria from pig large intestine. Varel VH, et al. **Appl Environ Microbiol** 1984 Jan;47(1):219-21

Pleomorphic, variably acid-fast bacteria in an adult patient with disabling pansclerotic morphea. Cantwell AR Jr, et al. **Arch Dermatol** 1984 May;120(5):656-61

Predominant cultivable microflora of plaque on removable dentures in patients with healthy oral mucosa. Theilade E, et al. **Arch Oral Biol** 1983;28(8):675-80

The nutritive value of rumen micro-organisms in ruminants. 1. Large-scale isolation and chemical composition of rumen micro-organisms. Storm E, et al. **Br J Nutr** 1983 Sep; 50(2):463-70

Comparative bacteriology of chronic blepharitis. Dougherty JM, et al. **Br J Ophthalmol** 1984 Aug;68(8):524-8

Bacterial contamination of intraocular lens surgery. Vafidis GC, et al. **Br J Ophthalmol** 1984 Aug;68(8):520-3

Incidence of pathogenic bacteria from mesenteric lymph nodes and ileal serosa during Crohn's disease surgery. Ambrose NS, et al. **Br J Surg** 1984 Aug;71(8):623-5

Vertebral osteomyelitis due to coccobacilli of the HB group. Farrington M, et al. **Br Med J [Clin Res]** 1983 Dec 3; 287(6406):1658-60

The bacterial flora of candling-reject and dead-in-shell turkey eggs. Bruce J, et al. **Br Poult Sci** 1983 Jul; 24(3):391-5

Studies on the bacterial flora of the female genital tract of sheep. Moorthy AR, et al. **Bull Anim Health Prod Afr** 1982 Mar;30(1):15-8

Milk hygiene in nomadic herds in Kenya evaluated by bacterial isolation, bacterial viability trials in traditionally fermenting milk and drug sensitivity. Nyaga PN, et al. **Bull Anim Health Prod Afr** 1982 Mar;30(1):19-23

Isolation of nonlysogenic bacteria from lambda-lysogenized strains using antibiotic-resistant phage. Kordyum VA, et al. **Can J Microbiol** 1984 Jan;30(1):74-6

Efficacy of a topical antibiotic irrigant in decreasing or eliminating bacterial contamination in surgical wounds. Benjamin JB, et al. **Clin Orthop** 1984 Apr;(184):114-7

Infections in the female genital tract. Gall SA. **Compr Ther** 1983 Aug;9(8):34-47 (19 ref.)

Effects of contraceptive vaginal ring treatment on vaginal bacteriology and cytology. Schwan A, et al. **Contraception** 1983 Oct;28(4):341-7

Comparison of the sterility of long-term central venous catheterization using single lumen, triple lumen, and pulmonary artery catheters. Miller JJ, et al. **Crit Care Med** 1984 Aug;12(8):634-7

Variably acid-fast bacteria in a necropsied case of systemic lupus erythematosus with acute myocardial infarction. Cantwell AR Jr, et al. **Cutis** 1984 Jun;33(6):560-7

Use of a bronchoscopic protected catheter technique in the clinical evaluation of a new antibiotic. Bass JB Jr, et al. **Diagn Microbiol Infect Dis** 1983 Jun;1(2):95-106

Rapid screening of urine for significant bacteriuria by Gram stain, acridine orange stain, and the Autobac MTS system. Crout FV, et al. **Diagn Microbiol Infect Dis** 1984 Jun; 2(3):179-86

Effects of atmosphere of incubation on recovery of bacteria and yeasts from blood cultures in Tryptic soy broth. Ilstrup DM, et al. **Diagn Microbiol Infect Dis** 1983 Sep;1(3):215-9

Presence of alveolar macrophages as a criterion for determining the suitability of sputum specimens for bacterial culture. Courcol RJ, et al. **Eur J Clin Microbiol** 1984 Apr;3(2):122-5

Lectins in diagnostic microbiology. Doyle R, et al. **Eur J Clin Microbiol** 1984 Feb;3(1):4-9 (53 ref.)

Acridine orange stain in the early detection of bacteria in blood cultures. Meseguer M, et al. **Eur J Clin Microbiol** 1984 Apr;3(2):113-5

Necroscopic findings of variably acid-fast bacteria in a fatal case of acquired immunodeficiency syndrome and Kaposi's sarcoma. Cantwell AR Jr. **Growth** 1983 Summer; 47(2):129-34

Microbiological aspects of the preparation and administration of naso-gastric and naso-enteric tube feeds in hospitals--a review. Anderton A. **Hum Nutr Appl Nutr** 1983 Dec; 37(6):426-40 (96 ref.)

Bacteriology of burn wound using the quantitative full thickness biopsy technique. Bharadwaj R, et al. **Indian J Med Res** 1983 Sep;78:337-42

Non-tuberculous bacterial flora of sputum in pulmonary tuberculosis. Agarwal SK, et al. **Indian J Public Health** 1983 Apr-Jun;27(2):55-9

Relationship between oxygen tension and subgingival bacterial flora in untreated human periodontal pockets. Loesche WJ, et al. **Infect Immun** 1983 Nov;42(2):659-67

Bacteriology of moderate (chronic) periodontitis in mature adult humans. Moore WE, et al. **Infect Immun** 1983 Nov; 42(2):510-5

Histologic observations of pleomorphic, variably acid-fast bacteria in scleroderma, morphea, and lichen sclerosus et atrophicus. Cantwell AR Jr. **Int J Dermatol** 1984 Jan-Feb; 23(1):45-52

Bacterial colonization of the nose and external ear canal in newborn infants. Ostfeld E, et al. **Isr J Med Sci** 1983 Dec; 19(12):1046-9

The discovery of the oral flora--a 300-year retrospective. Bibel DJ. **J Am Dent Assoc** 1983 Oct;107(4):569-70

Results of analyses and bacterial cultures of urine specimens obtained from clinically normal cats by three methods. Lees GE, et al. **J Am Vet Med Assoc** 1984 Feb 15;184(4):449-54

Equine tracheobronchial aspirates: correlation of cytologic and microbiologic findings. Morris DD. **J Am Vet Med Assoc** 1984 Feb 1;184(3):340-1

Survey of conjunctival flora in the eye of clinically normal, captive exotic birds. Wolf ED, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1232-3

Evaluation of a cup scrub technique for quantification of the microbial flora on bovine skin. Lloyd DH. **J Appl Bacteriol** 1984 Feb;56(1):103-7

Effect of temperature on the microbial flora of herring fillets stored in air or carbon dioxide. Molin G, et al. **J Appl Bacteriol** 1984 Apr;56(2):275-82

Role of micro-organisms in biltong flavour development. Prior BA. **J Appl Bacteriol** 1984 Feb;56(1):41-5

A comparison of contact plate and calcium alginate swab techniques for quantitative assessment of bacteriological contamination of environmental surfaces. Scott E, et al. **J Appl Bacteriol** 1984 Apr;56(2):317-20

Clinical comparison of the Isolator 1.5 microbial tube and the BACTEC radiometric system for detection of bacteremia in children. Carey RB. **J Clin Microbiol** 1984 May;19(5):634-8

Comparison of the Roche Septi-Chek blood culture bottle with a brain heart infusion biphasic medium bottle and with a tryptic soy broth bottle. Henry NK, et al. **J Clin Microbiol** 1984 Mar;19(3):315-7

Comparative recovery of bacteria and yeasts from lysis-centrifugation and a conventional blood culture system. Kiehn TE, et al. **J Clin Microbiol** 1983 Aug; 18(2):300-4

Analysis of bacterial isolates from cerebrospinal fluid. Olson DA, et al. **J Clin Microbiol** 1984 Feb;19(2):144-6

Effect of storage of the du Pont lysis-centrifugation system on recovery of bacteria and fungi in a prospective clinical trial. Stockman L, et al. **J Clin Microbiol** 1984 Feb; 19(2):283-5

A mechanised batch screening method for the detection of bacteriuria. Kerfoot P, et al. **J Clin Pathol** 1983 Nov; 36(11):1318-9

Comparison of the immediate effects on the sub-gingival microflora of acrylic strips containing 40% chlorhexidine, metronidazole or tetracycline. Addy M, et al. **J Clin Periodontol** 1984 Jul;11(6):379-86

Enumeration and presumptive identification of bacteria from the small intestine of sheep. Nicoletti JM, et al. **J Dairy Sci** 1984 Jun;67(6):1227-35

The ureolytic microflora of immature dental plaque before and after rinsing with a urea-based mineralizing solution. Gallagher IH, et al. **J Dent Res** 1984 Aug;63(8):1037-9

Fissure removal and needle scraping for evaluation of the bacteria in occlusal fissures of human teeth. Meiers JC, et al. **J Dent Res** 1984 Aug;63(8):1051-5

Microbiological assessment of dental plaque on bovine enamel implants worn intra-orally in children. Minah GE, et al. **J Dent Res** 1984 Jul;63(7):1006-9

Bacterial air counts obtained with a centrifugal (RCS) sampler and a slit sampler--the influence of aerosols. Casewell MW, et al. **J Hosp Infect** 1984 Mar;5(1):76-82

Bacterial contamination of 'Venflon' intravenous cannulae with valved injection sideport. Grabe N, et al. **J Hosp Infect** 1983 Sep;4(3):291-5

A comparative study of intravenous cannulae--'Venflon' with valved sideport and 'Intraflux' with membranous sideport. Jakobsen CJ, et al. **J Hosp Infect** 1983 Dec; 4(4):399-402

Aerobic and anaerobic bacteria in neurosurgical infections. Per-operative culture with flexible contact agar film. Kamme C, et al. **J Hosp Infect** 1984 Jun;5(2):147-54

Bacterial contamination of the blood compartment originating from the dialysate in haemodialysers. Kolmos HJ. **J Hosp Infect** 1984 Mar;5(1):70-5

Studies on the mode of bacterial contamination of an operating theatre corridor floor. Nagai I, et al. **J Hosp Infect** 1984 Mar;5(1):50-5

Microbial investigation of the air in an apartment building. Simard C, et al. **J Hyg (Lond)** 1983 Oct;91(2):277-86

Fatal penetrating skin ulcers in laboratory-reared octopuses. Hanlon RT, et al. **J Invertebr Pathol** 1984 Jul;44(1):67-83

Rapid detection of bacteraemia by early subculture. Ganguli LA, et al. **J Med Microbiol** 1984 Jun;17(3):311-5

Selective media for the quantitation of bacteria in cystic fibrosis sputum. Wong K, et al. **J Med Microbiol** 1984 Apr; 17(2):113-9

The microbiologic flora of orofacial abscesses. Labriola JD, et al. **J Oral Maxillofac Surg** 1983 Nov;41(11):711-4

A rapid method for the detection of bacterial contaminants in intravenous fluids using membrane filtration and

epifluorescence microscopy. Denyer SP, et al. **J Parenter Sci Technol** 1983 Sep–Oct;37(5):156–8

The bacterial content of breast milk after the early initiation of expression using a standard technique. Asquith MT, et al. **J Pediatr Gastroenterol Nutr** 1984;3(1):104–7

Microbiota of periodontal pockets losing crestal alveolar bone. Tanner AC, et al. **J Periodont Res** 1984 May; 19(3):279–91

Variations in subgingival microflora from healthy and intervention sites using probing depth and bacteriologic identification criteria. Greenwell H 3d, et al. **J Periodontol** 1984 Jul;55(7):391–7

Comparative differential dark-field microscopy of subgingival bacteria from tooth surfaces with recent evidence of recurring periodontitis and from nonaffected surfaces. Listgarten MA, et al. **J Periodontol** 1984 Jul; 55(7):398–401

Chronic bronchitis: Part I. A bacteriological study of acute exacerbation. Dalvi SG, et al. **J Postgrad Med** 1983 Jul; 29(3):151–5

Alternative causes of pelvic inflammatory disease. Toth A. **J Reprod Med** 1983 Oct;28(10 Suppl):699–702

Correlation of symptoms and results of direct bacterial localization in patients with urinary tract infections. Busch R, et al. **J Urol** 1984 Aug;132(2):282–5

Microbiological observations on two stranded live whales. Buck JD. **J Wildl Dis** 1984 Apr;20(2):148–50

Has AFIP debugged the cat scratch mystery? [news] Goldsmith MF. **JAMA** 1983 Nov 25;250(20):2745–7

Intravenous tubing with burettes can be safely changed at 48-hour intervals. Gorbea HF, et al. **JAMA** 1984 Apr 27; 251(16):2112–5

Bar soap and liquid soap [letter] Heinze JE. **JAMA** 1984 Jun 22–29;251(24):3222–3

Clinical evaluation of a lysis-centrifugation technique for the detection of septicemia. Kelly MT, et al. **JAMA** 1983 Oct 28;250(16):2185–8

Spirals and ulcers [editorial] **Lancet** 1984 Jun 16; 1(8390):1336–7

Unidentified curved bacilli in the stomach of patients with gastritis and peptic ulceration. Marshall BJ, et al. **Lancet** 1984 Jun 16;1(8390):1311–5

Fastidious bacteria and the urethral syndrome: a 2-year clinical and bacteriological study of 51 women. Maskell R, et al. **Lancet** 1983 Dec 3;2(8362):1277–80

New bacterium linked to painful stomach ills [news] Altman LK. **Med J Aust** 1984 Sep 29;141(7):455–6

Bacterial pathogens from the intestinal tracts of various species of cockroaches. Rampal L, et al. **Med J Malaysia** 1983 Jun;38(2):104–7

Growth of clinical isolates in the cold. Flournoy DJ. **Med Microbiol Immunol (Berl)** 1984;173(1):45–8

Uterine culture in mares. Brook D. **Mod Vet Pract** 1984 May; 65(5):A3–8

Bacteriuria in the catheterized patient. What quantitative level of bacteriuria is relevant? Stark RP, et al. **N Engl J Med** 1984 Aug 30;311(9):560–4

A study on heifer mastitis in Japan and its causative microorganisms. Seno N, et al. **Natl Inst Anim Health Q (Tokyo)** 1983 Fall;23(3):82–91

Product contamination: FDA sends in the marshals [news] Beardsley T. **Nature** 1984 Sep 6–11;311(5981):7

External quality assessment for clinical microbiological laboratories in Norway 1982. 1. Evaluation of the identifications of 24 bacterial strains. Lassen J, et al. **NIPH Ann** 1983 Jun;6(1):23–35

Composition of intestinal ciliates and bacteria excreted in feces of the race-horse. Ike K, et al. **Nippon Juigaku Zasshi** 1983 Apr;45(2):157–63

Observations of bacterial diseases of captive snakes in Finland. Soveri T. **Nord Vet Med** 1984 Jan–Feb; 36(1–2):38–42

The effect of dilution during culture on detection of low concentrations of bacteria in blood. Kennaugh JK, et al. **Pediatr Infect Dis** 1984 Jul–Aug;3(4):317–8

Bacteriology and clinical relevance of nasopharyngeal and oropharyngeal cultures. Todd JK. **Pediatr Infect Dis** 1984 Mar–Apr;3(2):159–63

Bacteriology of hepatolithiasis. Tabata M, et al. **Prog Clin Biol Res** 1984;152:163–74 (53 ref.)

Influence of different dietary regimens upon the composition of the human fecal flora. Noack-Loebel C, et al. **Prog Food Nutr Sci** 1983;7(3–4):127–31

Aetiological agents of necrobacillosis in captive wallabies. Oliphant JC, et al. **Res Vet Sci** 1984 May;36(3):382–4

Clinical findings and pathological changes in Histophilus ovis infections of sheep. Webb RF. **Res Vet Sci** 1983 Jul; 35(1):30–4

The normal cultivable microflora in upper jejunal fluid in healthy adults. Justesen T, et al. **Scand J Gastroenterol** 1984 Mar;19(2):279–82

Intragastric bacteria and nitrite after short-term treatment with different doses of antimuscarinic drugs. Stockbruegger RW, et al. **Scand J Gastroenterol** 1984 Jan;19(1):14–23

Influence of doxycycline on the normal human flora and colonization of the oral cavity and colon. Heimdahl A, et al. **Scand J Infect Dis** 1983;15(3):293–302

Denture stomatitis in nursing home patients. Palmqvist S, et al. **Swed Dent J** 1984;8(2):73–80

Veterinary interpretation of bulk-tank milk. Guterbock WM, et al. **Vet Clin North Am [Large Anim Pract]** 1984 Jul; 6(2):257–68

Microbiologic aspects of mastitis diagnosis. Shotts EB Jr, et al. **Vet Clin North Am [Large Anim Pract]** 1984 Jul; 6(2):247–55

Evaluation of selective supplements used in media for the isolation of the causative organism of contagious equine metritis. Atherton JG. **Vet Rec** 1983 Sep 24;113(13):299–300

Unsuitability of blood culture media containing sodium polyanetholesulfonate for the detection of fastidious microorganism in CSF and other blood-free body fluids. Abdou MA, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Mar; 254(1):109–17

A comparison of pathogens and contaminants based on the number of positive blood cultures in a set. Flournoy DJ, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Sep; 255(2–3):336–9

The bacterial flora of fruits and vegetables in Lebanon and the effect of washing on the bacterial content. Abdelnoor AM, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Apr; 177(3–4):342–9

The bactericidal mats in the pediatric intensive care unit. Dragaš AZ, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Jun; 177(5):406–11

[Bacteriologic study on gastric juice of patients with chronic gastritis in areas with high and low risk of stomach cancer—a preliminary report] Li SN. **Chung Hua Chung Liu Tsa Chih** 1984 Jan;6(1):33–6 (Eng. Abstr.) **(Chi)**

[Analysis of bacterial etiology and epidemiological features in 384 cases of acute diarrhea] Shi TC. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1984 Feb; 5(1):47–9 (Eng. Abstr.) **(Chi)**

[Spoilage microorganisms encountered in ultra-high temperature processed milk] Lee CM. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1984 May;17(2):86–91 (Eng. Abstr.) **(Chi)**

[Microbiological study of inflammation of the maxillary sinus] Praisler J, et al. **Cesk Otolaryngol** 1983 Jul;32(4):214–20 (Eng. Abstr.) **(Cze)**

[Which germs do we find in sinusitis and why?] Verschraegen G. **Acta Otorhinolaryngol Belg** 1983;37(4):584–8 (Eng. Abstr.) **(Dut)**

[Study of the microbial flora in a neurosurgical unit. Computer processing of the data] Debout J, et al. **Agressologie** 1983 Apr;24(4):123–7 (Eng. Abstr.) **(Fre)**

[Characterization and antibacterial sensitivity of strains of Gram-positive cocci isolated from orally administered solid drugs] Garcia Arribas ML, et al. **J Pharm Belg** 1983 May–Jun;38(3):140–6 (Eng. Abstr.) **(Fre)**

[Rapid diagnosis of pathogenic bacteria isolated from stool cultures by a standardized micromethod] Bingen E, et al. **Pathol Biol (Paris)** 1983 Sep;31(7):596–8 (Eng. Abstr.) **(Fre)**

[Bacteriologic testing of pharmaceutical syrups] Economou-Stamatelopoulou C, et al. **Pharm Acta Helv** 1983;58(9–10):276–8 (Eng. Abstr.) **(Fre)**

[Bacteriology of dentoalveolar abscesses] Kolokotronis A, et al. **Rev Odontostomatol (Paris)** 1984 Jan–Feb;13(1):7–9 (Eng. Abstr.) **(Fre)**

[Rapid counting of bacteria isolated from cattle, swine and sheep carcasses using the resazurin method] Labadie J, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1984 Jun; 179(3):217–24 (Eng. Abstr.) **(Fre)**

[Preconcentration for the microbiological study of milk] Schüppel H, et al. **Arch Exp Veterinarmed** 1984 Mar; 38(2):142–52 (Eng. Abstr.) **(Ger)**

[Changes of bacterial flora in swine stalls depending on stall temperature under experimental conditions] Lehner B, et al. **DTW** 1984 Jun 8;91(6):222–4 (Eng. Abstr.) **(Ger)**

[Demonstration of bacteria in the ejaculate of subfertile men, with special reference to Chlamydiae] Maier U. **Fortschr Med** 1983 Aug 4;101(29):1318–21 (Eng. Abstr.) **(Ger)**

[Microbiological studies before and after endoscopic papillotomy (EPT)] Ansorg R, et al. **Infection** 1983 Sep–Oct;11(5):260–3 (Eng. Abstr.) **(Ger)**

[Influence of sanitary and antibiotic regimes on the bacterial flora of premature and newborn infants under hospital care] Handrick W, et al. **Z Gesamte Hyg** 1984 Jan;30(1):8–13 (Eng. Abstr.) **(Ger)**

[Hygiene problems in hospitals containing intermediate ceilings with metal elements] Horn H, et al. **Z Gesamte Hyg** 1984 Jan;30(1):41–3 (Eng. Abstr.) **(Ger)**

[Number of germs in the air and germ sedimentation in operating rooms with discontinuous air conditioning] Lüderitz P, et al. **Z Gesamte Hyg** 1984 Jan;30(1):33–7 (Eng. Abstr.) **(Ger)**

[Development of bacterial flora in leg ulcer] Gieler U, et al. **Z Hautkr** 1984 Apr 1;59(7):435–42 (Eng. Abstr.) **(Ger)**

[Qualitative and quantitative determination of bacterial populations in aquatic habitats. 5. Comparison of 2 rapid sand filters] Dott W, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Jan; 177(1–2):141–55 (Eng. Abstr.) **(Ger)**

[Filamentous bacteria in activated sludge (bulking sludge). I. Occurrence of filamentous bacteria in a sewage treatment plant working with the activated sludge process (plug flow system)] Emmrich M, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Jun; 177(5):436–50 (Eng. Abstr.) **(Ger)**

[Microbiological studies of PVC packing sheets and sediments from a wet cooling tower] Filip Z, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Sep; 177(6):490–8 (Eng. Abstr.) **(Ger)**

[Microbial colonization of the nasopharynx, external auditory canal, hair of the head and armpit in high performance swimmers] Gräf W, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Jan; 177(1–2):156–69 (Eng. Abstr.) **(Ger)**

[Comparative studies of gelatin and cellulose ester membrane filters for their suitability in determining the microorganism count in the air] Hecker W, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Jun; 177(5):375–93 (Eng. Abstr.) **(Ger)**

[Microbial contamination of hospital waste] Kalnowski G, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Dec; 178(4):364–79 (Eng. Abstr.) **(Ger)**

[Endogenous synthesis of carcinogenic N-nitroso compounds: bacterial flora and nitrite formation in the healthy human stomach] Mueller RL, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Dec; 178(4):297–315 (Eng. Abstr.) **(Ger)**

[Further microbiological studies of the air in a newly built (under the pavement) section of the underground railway in Budapest] Szám L, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Apr; 177(3–4):312–8 (Eng. Abstr.) **(Ger)**

[Bacterial contamination of the stomach. Considerations on patients with duodenal ulcer treated with medical or surgical therapy] Cafiero F, et al. **Minerva Dietol Gastroenterol** 1984 Apr–Jun;30(2):129–34 (Eng. Abstr.) **(Ita)**

[Annual study of the bacterial pollution of mineral waters produced in industry as related to work cycles] De Fusco R, et al. **Nuovi Ann Ig Microbiol** 1983 Nov–Dec; 34(6):483–90 (Eng. Abstr.) **(Ita)**

[Occurrence of non-fermenting bacteria in the respiratory tract: etiopathogenetic role and sensitivity to antibiotics of strains found in hospitalized patients with chronic bronchopneumonia] Palmas F, et al. **Nuovi Ann Ig Microbiol** 1982 Jul–Dec;33(4–6):773–84 (Eng. Abstr.) **(Ita)**

[Urine culture and antibiogram in 2 different populations (ambulatory and hospitalized). Considerations on 2155 tests performed consecutively] Monaci E, et al. **Quad Sclavo Diagn** 1983 Jun;19(2):285–95 (Eng. Abstr.) **(Ita)**

[Bacterial species recently isolated from urinary tract infections and their antibiotic susceptibility, with special reference to acute cystitis] Arai T, et al. **Jpn J Antibiot** 1983 Oct;36(10):2750–6 (Eng. Abstr.) **(Jpn)**

[Comparative studies of antimicrobial agents against causative organisms isolated from urinary tract infections (1982). II. Background of patients] Kosakai N, et al. **Jpn J Antibiot** 1984 Apr;37(4):723–33 (Eng. Abstr.) **(Jpn)**

[Ecological studies on the microbial flora of raw oysters (Crassostrea gigas) harvested in Hiroshima and the Tohoku district] Konuma H. **Nippon Ika Daigaku Zasshi** 1983 Dec; 50(6):788–803 (Eng. Abstr.) **(Jpn)**

[Toxic-shock syndrome (TSS)—report of 2 cases and a study on vaginal flora and sanitary products used during menstruation] Ochiai K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1983 Sep; 35(9):1689–92 **(Jpn)**

[Fecal flora of patients with Crohn's disease—fecal flora of untreated patients and changes caused by elemental diet] Suzuki K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 May;80(5):1144–50 (Eng. Abstr.) **(Jpn)**

[Bacteriological examination of the body cavity fluids] Yoshii S. **Rinsho Byori** 1983 Sep;31(9):955–60 **(Jpn)**

[Pathogenic bacteria in the urinary tract. Incidence and resistance behavior] Kristiansen BE. **Tidsskr Nor Laegeforen** 1983 Aug 30;103(24):1684–6 (Eng. Abstr.) **(Nor)**

[Bacteriological evaluation of the environment of open pharmacies. IV. Microbial contamination of substances used in prescription drugs] Krutul H. **Acta Pol Pharm** 1983; 40(3):395–400 (Eng. Abstr.) **(Pol)**

[Characteristics and variability of microflora of Polish sausage kielbasa during its production including steaming] Libelt K. **Pol Arch Weter** 1983;23(4):73–86 (Eng. Abstr.) **(Pol)**

[Bacteriological study in maxillary sinusitis] Moreira CA, et al. **AMB** 1983 Nov–Dec;29(11–12):218–9 (Eng. Abstr.) **(Por)**

[Bacteriology of the bile in cholecystopathies. Radiological association] Machado RJ, et al. **Arq Gastroenterol** 1983 Apr–Jun;20(2):48–52 (Eng. Abstr.) **(Por)**

[Studies of the role of the kitchen cockroach in the transmission of some aerogenic bacteria] Ene L. **Rev Ig [Bacteriol]** 1983 Oct–Dec;28(4):361–4 **(Rum)**

[Distribution of antibiotic-resistant microorganisms among newborn infants in an intensive care unit] Kudinova TI, et al. **Antibiotiki** 1984 May;29(5):382–6 (Eng. Abstr.) **(Rus)**

[Microflora of the burned, its sensitivity to antibiotics and bacteriophages] Panchenkov NR, et al. **Antibiotiki** 1983 Oct;28(10):767–71 (Eng. Abstr.) **(Rus)**

[Separation of exoparasitic bacteria of the genus Micavibrio from the cells and membranes of the host bacterium] Markelova NIu, et al. **Biol Nauki** 1984;(4):103–6 (Eng.

Abstr.) (Rus)
[Comparative characteristics of methods for determining the bacterial contamination of the air] Sokolinskiĭ LM, et al. **Gig Sanit** 1984 Jun;(6):47–9 (Rus)
[Improvement in the method of determining ammonia-fixing bacteria in bodies of water] Stavskiĭ AV, et al. **Gig Sanit** 1984 Apr;(4):40–1 (Rus)
[Bacteriologic monitoring of the microflora of wounds during autodermoplasty of patients with thermal burns] Kolker II, et al. **Khirurgiia (Mosk)** 1984 Jan;(1):95–9 (Eng. Abstr.) (Rus)
[Intrajejunal bactericidal activity in chronic lesions of the small intestine] Masevich TsG, et al. **Klin Med (Mosk)** 1983 Oct;61(10):103–6 (Rus)
[Pathogenic role of proteolytic enzymes and microbial flora in chronic lesions of the bile ducts] Rodionova NI. **Klin Med (Mosk)** 1983 Oct;61(10):77–80 (Eng. Abstr.) (Rus)
[Method of quantitative determination of microbial contamination of burns and suppurative wounds] Filippovich IuV, et al. **Lab Delo** 1983;(8):56–8 (Eng. Abstr.) (Rus)
[Study of the culture media for the detection of bacteremia in surgical patients] Vishnevskaia SM. **Lab Delo** 1983; (11):58–60 (Eng. Abstr.) (Rus)
[Clinico-laboratory evaluation of bacterial and fungal flora in persons wearing contact lenses] Karimov MK, et al. **Oftalmol Zh** 1983;38(4):203–5 (Eng. Abstr.) (Rus)
[Microflora of the peritoneal exudate in appendicular peritonitis in children] Lomnitskaia VB, et al. **Pediatriia** 1983 Sep;(9):45–7 (Rus)
[Microbial flora of ulcer and its significance in the surgical treatment of the ulcer of the stomach and duodenum] Rychagov GP. **Vestn Khir** 1983 Sep;131(9):36–40 (Eng. Abstr.) (Rus)
[The selection of veins for intravenous catheters] Bačić A, et al. **Acta Med Iugosl** 1983;37(5):411–6 (Eng. Abstr.) (Scr)
[Bacteriological examination of seminal fluid in infertile men] Breznik R, et al. **Jugosl Ginekol Opstet** 1983 Jan–Apr; 23(1–2):14–7 (Eng. Abstr.) (Scr)
[Microbiological features of chronic otitis media] Obradović D, et al. **Med Pregl** 1983;36(7–8):323–6 (Eng. Abstr.) (Scr)
[Soft contact lenses: study of bacterial contamination and the mechanisms of asepsis] Vergés Roger C, et al. **Med Clin (Barc)** 1983 Oct 15;81(11):475–6 (Eng. Abstr.) (Spa)
[Normal bacterial flora of the wild Chinchilla lanigera] Mathieu X, et al. **Rev Latinoam Microbiol** 1982 Apr–Jun; 24(2):77–82 (Eng. Abstr.) (Spa)
[Isolation of acido-alcohol resistant bacilli from peripheral blood in a case of severe miliary tuberculosis] Viguria Arrieta J, et al. **Rev Med Univ Navarra** 1983 Dec; 27(4):39–42 (Eng. Abstr.) (Spa)
[Microbial flora in surface waters of the Valdivia River (Chile)] Schoebitz R. **Zentralbl Veterinarmed [B]** 1983 Dec; 30(10):775–84 (Eng. Abstr.) (Spa)
[Isolation of a moderately halophilic bacterium from Salt Lake, Turkey] Aksöz N, et al. **Mikrobiyol Bul** 1984 Apr; 18(2):107–13 (Eng. Abstr.) (Tur)
[Effects of storage conditions on the rate of disappearance of bacterial contamination of toothbrushes] Misirligil A, et al. **Mikrobiyol Bul** 1984 Jan;18(1):47–52 (Eng. Abstr.) (Tur)

METABOLISM

Effect of microbiological hydrolysis of urea on the nitrification process. Krogulska B, et al. **Acta Microbiol Pol** 1983;32(4):373–80
Bacterial microflora participating in the removal of nitrogen from industrial wastewaters by nitrification and denitrifaction. Krogulska B, et al. **Acta Microbiol Pol** 1984; 33(1):67–76
Denitrification of high concentrations of nitrites and nitrates in synthetic medium with different sources of organic carbon. II. Ethanol. Mycielski R, et al. **Acta Microbiol Pol** 1983;32(4):381–8
Cyanuric acid—a s-triazine derivative as a nitrogen source for some soil microorganisms. Myśków W, et al. **Acta Microbiol Pol** 1983;32(2):177–83
Polyphosphate metabolism in micro-organisms. Kulaev IS, et al. **Adv Microb Physiol** 1983;24:83–171 (404 ref.)
Role of predominant rumen bacteria in the cause of polioencephalomalacia (cerebrocortical necrosis) in cattle. Haven TR, et al. **Am J Vet Res** 1983 Aug;44(8):1451–5
Rapid drop in serum iron concentration as a host defense mechanism. A review of experimental and clinical evidence. Ballantyne GH. **Am Surg** 1984 Aug;50(8):405–11
Interaction of phagocytes with other blood cells and with pathogenic and nonpathogenic microbes. van Oss CJ, et al. **Ann NY Acad Sci** 1983;416:332–50
Physiological responses to nutrient limitation. Harder W, et al. **Annu Rev Microbiol** 1983;37:1–23 (139 ref.)
Iron absorption and transport in microorganisms. Neilands JB. **Annu Rev Nutr** 1981;1:27–46 (91 ref.)
Rumen bacterial and fungal degradation of Digitaria pentzii grown with or without sulfur. Akin DE, et al. **Appl Environ Microbiol** 1983 Sep;46(3):738–48
Assessment of bacterial growth and total organic carbon removal on granular activated carbon contactors. Bancroft K, et al. **Appl Environ Microbiol** 1983 Sep;46(3):683–8
Heterotrophic nitrification among denitrifiers. Castignetti D, et al. **Appl Environ Microbiol** 1984 Apr;47(4):620–3
Effect of soluble carbohydrates on digestion of cellulose by pure cultures of rumen bacteria. Hiltner P, et al. **Appl Environ Microbiol** 1983 Sep;46(3):642–8
Metabolism of aflatoxin, ochratoxin, zearalenone, and three trichothecenes by intact rumen fluid, rumen protozoa, and rumen bacteria. Kiessling KH, et al. **Appl Environ Microbiol** 1984 May;47(5):1070–3
Degradation and total mineralization of monohalogenated biphenyls in natural sediment and mixed bacterial culture. Kong HL, et al. **Appl Environ Microbiol** 1983 Sep; 46(3):666–72
Biokinetic analyses of adaptation and succession: microbial activity in composting municipal sewage sludge. McKinley VL, et al. **Appl Environ Microbiol** 1984 May;47(5):933–41
Metabolic activity and enzyme induction in rat fecal microflora maintained in continuous culture. Mallett AK, et al. **Appl Environ Microbiol** 1983 Sep;46(3):591–5
Biodegradation and photolysis of pentachlorophenol in artificial freshwater streams. Pignatello JJ, et al. **Appl Environ Microbiol** 1983 Nov;46(5):1024–31
Absence of transformation of beta-muricholic acid by human microflora implanted in the digestive tracts of germfree male rats. Sacquet EC, et al. **Appl Environ Microbiol** 1984 May;47(5):1167–8
Properties and roles of bacterial symbionts of polyvinyl alcohol-utilizing mixed cultures. Shimao M, et al. **Appl Environ Microbiol** 1983 Sep;46(3):605–10
Bacterial degradation of emulsan. Shoham Y, et al. **Appl Environ Microbiol** 1983 Sep;46(3):573–9
Uncoupler-stimulated Na+ pump and its possible role in the halotolerant bacterium, Ba. Ken-Dror S, et al. **Arch Biochem Biophys** 1984 Mar;229(2):640–9
Plasmid-mediated biodegradative fate of monohalogenated biphenyls in facultatively anaerobic sediments. Sayler GS, et al. **Basic Life Sci** 1984;28:117–35
Purification of the rice embryo lectin and its binding to nitrogen-fixing bacteria from the rhizosphere of rice. Tabary F, et al. **Biochem Biophys Res Commun** 1984 Mar 15;119(2):549–55
Peptide transport in bacteria: methods, mutants and energy coupling. Payne JW. **Biochem Soc Trans** 1983 Dec; 11(6):794–8
Na+/H+ antiporters. Krulwich TA. **Biochim Biophys Acta** 1983 Dec 30;726(4):245–64 (190 ref.)
Bacterial cytochrome oxidases. A structurally and functionally diverse group of electron-transfer proteins. Poole RK. **Biochim Biophys Acta** 1983 Sep 15; 726(3):205–43 (354 ref.)
Presence of bacteria in porcine follicular fluid and their ability to generate an inhibitor of follicle-stimulating hormone binding to receptor. Sluss PM, et al. **Biol Reprod** 1983 Sep;29(2):335–41
Incorporation of nitrogen into rumen bacterial fractions of steers given protein- and urea-containing diets. Ammonia assimilation into intracellular bacterial amino acids. Blake JS, et al. **Br J Nutr** 1983 Nov;50(3):769–82
The simultaneous estimation of the amounts of protozoal, bacterial and dietary nitrogen entering the duodenum of steers. Cockburn JE, et al. **Br J Nutr** 1984 Jan;51(1):111–32
The hydrogenation of the series of methylene-interrupted cis,cis-octadecadienoic acids by pure cultures of six rumen bacteria. Kemp P, et al. **Br J Nutr** 1984 Jul;52(1):171–7
The influence of dietary fibre on caecal metabolism in the rat. McKay LF, et al. **Br J Nutr** 1983 Nov;50(3):679–84
Factors affecting the capture of dietary nitrogen by micro-organisms in the forestomachs of the young steer. Experiments with [15N]urea. Salter DN, et al. **Br J Nutr** 1983 Sep;50(2):427–35
Hydrolysis of 14C-labelled proteins by rumen micro-organisms and by proteolytic enzymes prepared from rumen bacteria. Wallace RJ. **Br J Nutr** 1983 Sep; 50(2):345–55
Bile acid deconjugation and attachment of chicken gut bacteria: their possible role in growth depression. Cole CB, et al. **Br Poult Sci** 1984 Apr;25(2):227–31
Effects of two herbicides on selected aquatic bacteria. Beckmann J, et al. **Bull Environ Contam Toxicol** 1984 Feb; 32(2):243–50
Presence of a new cytochrome b - like pigment with a peak at 567 nm in various aerobic bacteria. Jacobs NJ, et al. **Can J Microbiol** 1983 Sep;29(9):1154–8
Binding of fluoride by oral bacteria. Yotis WW, et al. **Caries Res** 1983;17(5):444–54
Apparent gastrointestinal origin of cis-4-hydroxycyclohexanecarboxylic acid. Kronick JB, et al. **Clin Chim Acta** 1983 Aug 15;132(2):205–8
Factors influencing microbe insecticide interactions. Rup Lal. **CRC Crit Rev Microbiol** 1983;10(3):261–95 (161 ref.)
Electron transport system activity in soil, sediment, and pure cultures. Trevors JT. **CRC Crit Rev Microbiol** 1984; 11(2):83–100 (65 ref.)
The lipopolysaccharide of a chloridazon-degrading bacterium. Weisshaar R, et al. **Eur J Biochem** 1983 Dec 1;137(1–2):155–61
Use of specialized microbial strains in the treatment of industrial waste and in soil decontamination. Finn RK. **Experientia** 1983 Nov 15;39(11):1231–6 (40 ref.)
Biodegradation and utilization of monomethyl sulfate by specialized methylotrophs. Ghisalba O, et al. **Experientia** 1983 Nov 15;39(11):1257–63
Microorganisms and xenobiotic compounds. Leisinger T. **Experientia** 1983 Nov 15;39(11):1183–91 (77 ref.)
Microbial degradation of synthetic organochlorine compounds. Motosugi K, et al. **Experientia** 1983 Nov 15; 39(11):1214–20 (51 ref.)
Uptake of methionine sulfoximine by some N2 fixing bacteria, and its effect on ammonium transport. Kleiner D, et al. **FEBS Lett** 1983 Nov 28;164(1):121–3
Bile, bacteria and bowel cancer [editorial] Hill MJ. **Gut** 1983 Oct;24(10):871–5
Stickland reactions of dental plaque. Curtis MA, et al. **Infect Immun** 1983 Oct;42(1):431–3
Intestinal microflora as potential modifiers of sensitizer activity in vivo. Sheldon PW, et al. **Int J Radiat Oncol Biol Phys** 1984 Aug;10(8):1371–5
Degradative plasmids. Pemberton JM. **Int Rev Cytol** 1983; 84:155–83 (82 ref.)
Ruminal metabolism of plant toxins with emphasis on indolic compounds. Carlson JR, et al. **J Anim Sci** 1984 Apr; 58(4):1040–9 (83 ref.)
Deepoxidation of 16-membered epoxyenone macrolide antibiotics. I. Microbial deepoxidation and subsequent isomerization of deltamycins A1, A2, A3, A4 (carbomycin A) and X. Fukagawa Y, et al. **J Antibiot (Tokyo)** 1984 Feb;37(2):118–26
Bacterial uptake of habekacin, a novel aminoglycoside antibiotic. Matsunaga K, et al. **J Antibiot (Tokyo)** 1984 May; 37(5):596–601
Hydrogen-using bacteria in a methanogenic acetate enrichment culture. Archer DB. **J Appl Bacteriol** 1984 Feb; 56(1):125–9
Microbes I have known: a study of those associated with fermented products. Carr JG. **J Appl Bacteriol** 1983 Dec; 55(3):383–401
Microbial metabolism of 1,2-propanediol studied by the Rumen Simulation Technique (Rusitec). Czerkawski JW, et al. **J Appl Bacteriol** 1984 Feb;56(1):81–94
Methylation of ribosomal proteins in bacteria: evidence of conserved modification of the eubacterial 50S subunit. Amaro AM, et al. **J Bacteriol** 1984 Apr;158(1):84–93
Evidence that subcellular flagellin pools in Caulobacter crescentus are precursors in flagellum assembly. Huguenel ED, et al. **J Bacteriol** 1984 Mar;157(3):727–32
Alteration in penicillin-binding patterns during cell cycle of Caulobacter crescentus. Koyasu S, et al. **J Biochem (Tokyo)** 1984 Feb;95(2):593–5
A purified alanine carrier composed of a single polypeptide from thermophilic bacterium PS3 driven by either proton or sodium ion gradient. Hirata H, et al. **J Biol Chem** 1984 Sep 10;259(17):10653–6
Primary photochemistry in the facultative green photosynthetic bacterium Chloroflexus aurantiacus. Blankenship RE, et al. **J Cell Biochem** 1983;22(4):251–61
Pigment-protein complexes of purple photosynthetic bacteria: an overview. Thornber JP, et al. **J Cell Biochem** 1983;23(1–4):159–69
Emended description of Kingella denitrificans (Snell and Lapage 1976): correction of the maltose reaction. Hollis DG, et al. **J Clin Microbiol** 1983 Nov;18(5):1174–6
Relationship of bioenergetic processes to the pathogenic properties of oral bacteria. Marsh PD, et al. **J Dent Res** 1984 Mar;63(3):401–6
Production of menaquinones by intestinal anaerobes. Ramotar K, et al. **J Infect Dis** 1984 Aug;150(2):213–8
A theory of excitation transfer in photosynthetic units. Kudžmauskas S, et al. **J Theor Biol** 1983 Nov 7; 105(1):13–23
Energy conservation in acidophilic bacteria. Cobley JG, et al. **Microbiol Rev** 1983 Dec;47(4):579–95 (144 ref.)
Regulation of bacterial glycogen synthesis. Preiss J, et al. **Mol Cell Biochem** 1983;57(1):61–80 (107 ref.)
Effect of oxytetracycline on bacterial intestinal metabolism of neutral sterols and on serum lipids. Korpela JT, et al. **Scand J Gastroenterol** 1984 May;19(3):401–4
Bacteria and gastrointestinal secretion and motility. Borriello SP. **Scand J Gastroenterol [Suppl]** 1984;93:115–21 (41 ref.)
Influence of dietary pectin on intestinal microfloral metabolism and toxicity of nitrobenzene. Goldstein RS, et al. **Toxicol Appl Pharmacol** 1984 Sep 30;75(3):547–53
A comparison of manganese oxidation by growing and resting cells of a freshwater bacterial isolate, strain FMn 1. Zapkin MA, et al. **Z Allg Mikrobiol** 1983;23(7):447–55
[Production of foreign proteins by microbes] Sarvas M, et al. **Duodecim** 1983;99(19):1400–7 (23 ref.) (Fin)
[Absence of a correlation between the respiratory resistance of bacteria to cyanide and their cytochrome d content] Akimenko VK, et al. **Mikrobiologiia** 1984 Mar–Apr; 53(2):181–6 (Eng. Abstr.) (Rus)
[Calculation of the minimal substrate expenditures for energy metabolism in microorganisms] Skurida GI, et al. **Mikrobiologiia** 1984 Mar–Apr;53(2):187–94 (Eng. Abstr.) (Rus)
[Cyanide-resistant respiration of bacteria and its relation to metabolite oversynthesis] Trutko SM, et al. **Mikrobiologiia** 1984 Jan–Feb;53(1):21–7 (Eng. Abstr.) (Rus)

PATHOGENICITY

Focus on sinusitis. Host-microorganism relation. Holm SE. **Acta Otorhinolaryngol Belg** 1983;37(4):574–83
Plasmids and the virulence of enteric and other bacterial pathogens [editorial] Kopecko DJ, et al.

Ann Intern Med 1984 Aug;101(2):260–2
Rectal organ culture as a model for the investigation of bacterial adhesion and invasion. Dickinson RJ, et al. J Clin Pathol 1984 May;37(5):587–91
Microbial pathogenicity in oral soft tissue diseases. Greenspan JS, et al. J Dent Res 1984 Mar;63(3):431–4
New concepts of pathogens, and pathogenesis. Beam TR Jr. J Med 1983;14(4):241–52 (22 ref.)
Bacterial adherence and the glycocalyx and their role in musculoskeletal infection. Gristina AG, et al. Orthop Clin North Am 1984 Jul;15(3):517–35
Role of iron in microbe–host interactions. Finkelstein RA, et al. Rev Infect Dis 1983 Sep–Oct;5 Suppl 4:S759–77 (183 ref.)
Invasive enteric pathogens. Formal SB, et al. Rev Infect Dis 1983 Sep–Oct;5 Suppl 4:S702–7 (53 ref.)
Models for studying the role of bacterial attachment in virulence and pathogenesis. Freter R, et al. Rev Infect Dis 1983 Sep–Oct;5 Suppl 4:S647–58 (61 ref.)
Thoughts on the evolution of strategies used by bacteria for evasion of host defenses. Gotschlich EC. Rev Infect Dis 1983 Sep–Oct;5 Suppl 4:S778–83 (45 ref.)
Bacterial virulence and pathogenesis: an overview. Sparling PF. Rev Infect Dis 1983 Sep–Oct;5 Suppl 4:S637–46 (88 ref.)
Bacterial adherence in the mouth. van Houte J. Rev Infect Dis 1983 Sep–Oct;5 Suppl 4:S659–69 (113 ref.)
Bacterial virulence and the inflammatory system. Ward PA, et al. Rev Infect Dis 1983 Sep–Oct;5 Suppl 4:S793–6 (17 ref.)
[A preliminary exploration of the pathogenic characteristics of Gram-stained bacteria in relationship to differentiation by traditional Chinese medicine of symptom-complexes of pathogenesis] He XH. Chung Hsi I Chieh Ho Tsa Chih 1984 Mar;4(3):179–81 (Chi)
[Factors of bacterial pathogenicity] Block LH, et al. MMW 1984 Jan 20;126(3):43–8 (Eng. Abstr.) (Ger)
[Acute toxicity of methanol-utilizing bacteria and their single cell protein products in mice] Urakami T, et al. Nippon Saikingaku Zasshi 1983 May;38(3):637–43 (Eng. Abstr.) (Jpn)
[Opportunistic microorganisms as a function of the evolutionary-ecological complex] Kalina GP. Gig Sanit 1983 Jul;(7):51–3 (Rus)
[Theoretical basis for the study of opportunistic microorganisms in environmental objects] Kalina GP. Gig Sanit 1983 Oct;(10):4–7 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Production of flavor compounds by microorganisms. Kempler GM. Adv Appl Microbiol 1983;29:29–51
Physiology of acidophilic and alkalophilic bacteria. Krulwich TA, et al. Adv Microb Physiol 1983;24:173–214 (186 ref.)
Lectin-mediated reactions in histamine release caused by bacteria. Norn S, et al. Agents Actions 1984 Apr; 14(3–4):481–3
Bacterial attachment to the chorioamniotic membranes. Galask RP, et al. Am J Obstet Gynecol 1984 Apr 1; 148(7):915–28
Photosynthetic prokaryotes. An international colloquium, Bombannes (France), 19–25 September 1982. Ann Microbiol (Paris) 1983 Jul–Aug;134B(1):1–228
Interactions of erythrocytes with bacteria under shear. Brooks DE, et al. Ann NY Acad Sci 1983;416:319–31
Magnetic guidance of organisms. Frankel RB. Annu Rev Biophys Bioeng 1984;13:85–103 (76 ref.)
Bacterial motility and the bacterial flagellar motor. Macnab RM, et al. Annu Rev Biophys Bioeng 1984;13:51–83 (112 ref.)
Twitching motility. Henrichsen J. Annu Rev Microbiol 1983; 37:81–93 (38 ref.)
Role of proton motive force in sensory transduction in bacteria. Taylor BL. Annu Rev Microbiol 1983;37:551–73 (147 ref.)
Quantitative adherence of bacteria to human corneal epithelial cells. Reichert R, et al. Arch Ophthalmol 1984 Sep;102(9):1394–5
Ecological constraints on genetic engineering. Alexander M. Basic Life Sci 1984;28:151–68
Application of genetic engineering to industrial waste/wastewater treatment. Kobayashi HA. Basic Life Sci 1984;28:195–214
Needs and strategies for genetic control: municipal wastes. Rittmann BE. Basic Life Sci 1984;28:215–28
Bacterial transformations of and resistances to heavy metals. Silver S, et al. Basic Life Sci 1984;28:23–46 (93 ref.)
The identification and cloning of genes encoding haloaromatic catabolic enzymes and the construction of hybrid pathways for substrate mineralization. Weightman AJ, et al. Basic Life Sci 1984;28:47–80 (104 ref.)
Bioenergetic problems of alkalophilic bacteria. Guffanti AA, et al. Biochem Soc Trans 1984 Jun;12(3):411–2
Proton-transfer pathways during bacterial electron-transport phosphorylation. Kell DB, et al. Biochem Soc Trans 1984 Jun;12(3):413–4
Adaptation to temperature in bacterial membranes. Russell NJ. Biochem Soc Trans 1983 Aug;11(4):333–5
Magnetosome dynamics in magnetotactic bacteria. Ofer S, et al. Biophys J 1984 Jul;46(1):57–64
Pathogenesis of periodontal disease: new concepts. Genco RJ. Can Dent Assoc J 1984 May;50(5):391–5
Adherence of oral bacteria to chemically modified hydroxyapatite. Hoppenbrouwers PM, et al. Caries Res 1984;18(1):1–6
Interactions between Entamoeba histolytica, bacteria and intestinal cells. Mirelman D, et al. Ciba Found Symp 1983; 99:2–30 (34 ref.)
Bacterial chemotaxis and molecular neurobiology. Adler J. Cold Spring Harbor Symp Quant Biol 1983;48 Pt 2:803–4
Proteinaceous bacterial adhesins and their receptors. Jones GW, et al. CRC Crit Rev Microbiol 1983;10(3):229–60 (200 ref.)
Microbial exopolysaccharides — their role in microbial adhesion in aqueous systems. Sutherland IW. CRC Crit Rev Microbiol 1983;10(2):173–201 (116 ref.)
Bacterial adherence to periurethral epithelial cells in women with urinary tract infection. Raghoji NS, et al. Indian J Med Res 1983 Jun;77:802–7
Bacterial invasion of the periodontium; an important factor in the pathogenesis of periodontitis? Allenspach-Petrzilka GE, et al. J Clin Periodontol 1983 Nov;10(6):609–17
Recolonization of a subgingival microbiota following scaling in deep pockets. Magnusson I, et al. J Clin Periodontol 1984 Mar;11(3):193–207
The role of sugar in the aetiology of dental caries. 4. The microbiological evidence. Drucker DB. J Dent 1983 Sep; 11(3):205–7 (4 ref.)
Workshop report: biologically active components of oral bacteria, particularly in relation to oral disease. Rosan B, et al. J Dent Res 1984 Mar;63(3):472
Bacterial transmigration as an indicator of time of death. Melvin JR Jr, et al. J Forensic Sci 1984 Apr;29(2):412–7
Bacterial adherence to fibronectin and endothelial cells: a possible mechanism for bacterial tissue tropism. Vercellotti GM, et al. J Lab Clin Med 1984 Jan;103(1):34–43
A gradually slowing travelling band of chemotactic bacteria. Novick-Cohen A, et al. J Math Biol 1984;19(1):125–32
Microscopic evaluation of root surface associations in vivo. Fine DH, et al. J Periodont Res 1984 Mar;19(2):152–67
T cell responses of periodontal disease patients and healthy subjects to oral microorganisms. Stashenko P, et al. J Periodont Res 1983 Nov;18(6):587–600
Blastogenic responsiveness of human lymphoid cells to mitogens and to homogenates of periodontal pocket bacteria. Suzuki JB, et al. J Periodont Res 1984 Jul; 19(4):352–65
Coevolution of bacteria and phage: are there endless cycles of bacterial defenses and phage counterdefenses? Lenski RE. J Theor Biol 1984 Jun 7;108(3):319–25
Coevolution of directly contacting proteins in phage–bacterium ecosystem: possibility or fiction? Ratner VA, et al. J Theor Biol 1984 Jun 7;108(3):405–11
Bacterial adherence to plastics [letter] Ashkenazi S. Lancet 1984 May 12;1(8385):1075–6
Bacterial adherence to plastics: a role in endoscope-transmitted infections [letter] Botta GA, et al. Lancet 1984 Feb 18;1(8373):398–9
Bacterial contamination and the 'toxicity' of materials to the exposed pulp. Watts A, et al. Oral Surg 1983 Nov; 56(5):542–8
Granulocyte biochemistry and a hydrogen peroxide–dependent microbicidal system. Sbarra AJ, et al. Prog Clin Biol Res 1977;13:29–48 (73 ref.)
Bactericidal mechanisms of the granulocyte. Spitznagel JK. Prog Clin Biol Res 1977;13:103–31 (126 ref.)
Bacteriological characteristics of Histophilus ovis and its relationship to similar bacteria. Webb RF. Res Vet Sci 1983 Jul;35(1):25–9
Microbial adhesion is a sticky problem [news] Lewin R. Science 1984 Apr 27;224(4647):375–7
Protection of chicks against salmonella infection induced by spray application of intestinal microflora in the hatchery. Goren E, et al. Vet Q 1984 Apr;6(2):73–9
The biology of NippostrongyLus brasiliensis in SPF rats. Coles GC, et al. Z Parasitenkd 1983;69(4):517–21
[Bacterial flagellar motor] Oosawa F. Tanpakushitsu Kakusan Koso 1983 Apr;28(5):613–23 (52 ref.) (Jpn)
[Bacterial adsorption on cultivated mammalian cells in conditions of mixed infection] Gosteva VV, et al. Biull Eksp Biol Med 1983 Oct;96(10):78–80 (Eng. Abstr.) (Rus)
[Pathology and physiology of microbes. III. Criteria for assessing functional states] Mel'nikova VA, et al. Zh Mikrobiol Epidemiol Immunobiol 1984 Jan;(1):42–6 (Eng. Abstr.) (Rus)
[Inhibition and stimulation of the vital activities of microorganisms in culture processes] Mel'nikova VA. Zh Mikrobiol Epidemiol Immunobiol 1983 Oct;(10):3–8 (44 ref.) (Rus)
[Prerequisites for the comprehensive evaluation of the physiological state of bacteria and their populations] Valsman ISh. Zh Mikrobiol Epidemiol Immunobiol 1984 Apr;(4):3–8 (40 ref.) (Rus)
[The role of normal flora of the respiratory tract in infections caused by beta-hemolytic group A Streptococci] Milić B, et al. Srp Arh Celok Lek 1983 Jun;111(6):761–8 (Eng. Abstr.) (Scc)

RADIATION EFFECTS

Treatment of infected skin wounds using ultra-violet radiation—an in-vitro study. High AS, et al. Physiotherapy 1983 Oct 10;69(10):359–60
[Radiation sterilization of medical equipment] Sato K. Radioisotopes 1983 Sep;32(9):431–40 (124 ref.) (Jpn)

ULTRASTRUCTURE

The surface stress theory of microbial morphogenesis. Koch AL. Adv Microb Physiol 1983;24:301–66 (70 ref.)
Crystalline surface layers on bacteria. Sleytr UB, et al. Annu Rev Microbiol 1983;37:311–39 (283 ref.)
Subcellular compartments and protein topogenesis. Tashiro Y. Cell Struct Funct 1983 Jun;8(2):91–107 (57 ref.)
Cell surface hydrophobicity of dental plaque microorganisms in situ. Rosenberg M, et al. Infect Immun 1983 Nov; 42(2):831–4
An ultrastructural investigation of the filamentous surface appendages of suspensions of plaque bacteria as revealed by negative staining. Leach SA, et al. J Biol Buccale 1983 Dec;11(4):327–38
Scanning and transmission electron microscopy of in situ bacterial colonization of intravenous and intraarterial catheters. Marrie TJ, et al. J Clin Microbiol 1984 May; 19(5):687–93
Examination of the morphology of bacteria adhering to peritoneal dialysis catheters by scanning and transmission electron microscopy. Marrie TJ, et al. J Clin Microbiol 1983 Dec;18(6):1388–98
Observation of fimbriae and flagella in dispersed subgingival dental plaque and fresh bacterial isolates from periodontal disease. Scannapieco FA, et al. J Periodont Res 1983 Nov; 18(6):620–33
Scanning and transmission electron microscopic study of tissue-invading microorganisms in localized juvenile periodontitis. Carranza FA Jr, et al. J Periodontol 1983 Oct;54(10):598–617
Gastric spiral bacteria [letter] Lancet 1984 Jul 14; 2(8394):100–1
Isolation of flagellated membrane vesicles from Caulobacter crescentus cells: evidence for functional differentiation of polar membrane domains. Huguenel E, et al. Proc Natl Acad Sci USA 1984 Jun;81(11):3409–13
Three-dimensional reconstruction of imperfect two-dimensional crystals. Saxton WO, et al. Ultramicroscopy 1984;13(1–2):57–70
[Possible participation of bacteria in the formation of surface-active centers on the trophozoite of the dysentery ameba] Chernov IuV, et al. Med Parazitol (Mosk) 1983 Jul–Aug;(4):60–3 (Eng. Abstr.) (Rus)

BACTERIA, AEROBIC

DRUG EFFECTS

Susceptibility profiles of potential aerobic and anaerobic pathogens isolated from hysterectomy patients. Heard ML, et al. Am J Obstet Gynecol 1984 May 15;149(2):133–43
In vitro comparison of the activity of RU 28965, a new macrolide, with that of erythromycin against aerobic and anaerobic bacteria. Barlam T, et al. Antimicrob Agents Chemother 1984 Apr;25(4):529–31
Ciprofloxacin, a quinolone carboxylic acid compound active against aerobic and anaerobic bacteria. Chin NX, et al. Antimicrob Agents Chemother 1984 Mar;25(3):319–26
In vitro susceptibility to metronidazole of bacteria from the small intestine of tropical sprue patients. Albert MJ, et al. Indian J Med Res 1984 Mar;79:333–6
Activity of imipenem on aerobic bacteria. Acar JF, et al. J Antimicrob Chemother 1983 Dec;12 Suppl D:37–45
Influence of metronidazole treatment on the vaginal microbiological flora. Fredricsson B, et al. Scand J Infect Dis [Suppl] 1983;40:91–4
[The aerobic bacteria spectrum of pyogenic infections in the maxillofacial region and its change as affected by antimicrobial chemotherapy] Schulz S, et al. Z Gesamte Hyg 1984 May;30(5):273–5 (Eng. Abstr.) (Ger)
[Sensitivity tests to antibiotics for aerobes and anaerobes in clinical practice] Brenciaglia MI, et al. Nuovi Ann Ig Microbiol 1982 Mar–Jun;33(2–3):349–74 (Ita)

GENETICS

Relationship between pNG2, an Emr plasmid in Corynebacterium diphtheriae, and plasmids in aerobic skin coryneforms. Schiller J, et al. Antimicrob Agents Chemother 1983 Dec;24(6):892–901

ISOLATION & PURIFICATION

Aerobic and anaerobic bacteriologic features of serous otitis media in children. Brook I, et al. Am J Otolaryngol 1983 Nov–Dec;4(6):389–92
Hexavalent chromium-resistant bacteria isolated from river sediments. Luli GW, et al. Appl Environ Microbiol 1983 Oct;46(4):846–54
Emergence of beta-lactamase-producing aerobic and anaerobic bacteria in the oropharynx of children following penicillin chemotherapy. Brook I, et al. Clin Pediatr (Phila) 1984 Jun;23(6):338–41
Infectivity of organisms recovered from polymicrobial abscesses. Brook I, et al. Infect Immun 1983 Dec; 42(3):986–9
Aerobic urethral flora of women with infertility and gynecologic problems. Elegbe IA, et al. Int J Gynaecol Obstet 1983 Jun;21(3):241–5

Isolation of anaerobic and aerobic bacteria from clean surgical wounds: an experimental and clinical study. Benediktsdóttir E, et al. **J Hosp Infect** 1983 Jun;4(2):141–8

Bacterial flora of the vagina: quantitative study. Bartlett JG, et al. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl 1:S67–72

The infected foot of the diabetic patient: quantitative microbiology and analysis of clinical features. Sapico FL, et al. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl 1:S171–6

[Qualitative and quantitative analysis of the bacterial flora in the trachea of healthy chickens] Dho M, et al. **Ann Rech Vet** 1983;14(3):189–94 (Eng. Abstr.) **(Fre)**

[Qualitative–quantitative occurrence of aerobic germs and determination of microaerophils and anaerobes in the vaginal content of pregnant women in the 1st trimester] Spitzbart H, et al. **Zentralbl Gynakol** 1983;105(17):1118–21 **(Ger)**

[What's lost after only aerobic incubation of ear, nose, and pharynx tests?] Ochremenko M, et al. **Tidsskr Nor Laegeforen** 1983 Nov 20;103(32):2172–3 **(Nor)**

METABOLISM

Biology of aerobic carbon monoxide–oxidizing bacteria. Meyer O, et al. **Annu Rev Microbiol** 1983;37:277–310 (136 ref.)

PATHOGENICITY

Studies on the colonic bacterial flora during experimental carcinogenesis induced with N–methyl–N'nitro–N–nitrosoguanidine. Przewłocki T, et al. **Acta Physiol Pol** 1983 Jan–Feb;34(1):57–65

Synergistic effect of bacteroides, Clostridium, Fusobacterium, anaerobic cocci, and aerobic bacteria on mortality and induction of subcutaneous abscesses in mice. Brook I, et al. **J Infect Dis** 1984 Jun;149(6):924–8

PHYSIOLOGY

Interactions among microorganisms of the indigenous intestinal flora and their influence on the host. Rolfe RD. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl 1:S73–9 (62 ref.)

BACTERIA, ANAEROBIC

International Symposium on Anaerobic Bacteria and Their Role in Disease. Los Angeles and Santa Monica, California, October 11–13, 1981. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl 1:S1–299

Anaerobic infections in clinical medicine. Proceedings from a meeting at Holmenkollen, Oslo, 25–26 September 1981. **Scand J Gastroenterol [Suppl]** 1983;85:1–110

[Anaerobic bacteria in gynecologic and obstetrical pathology] Ardeleanu J. **Rev Ig [Bacteriol]** 1983 Apr–Jun; 28(2):141–65 (47 ref.) (Eng. Abstr.) **(Rum)**

CLASSIFICATION

Comparison of three methods for anaerobe identification. Appelbaum PC, et al. **J Clin Microbiol** 1983 Sep; 18(3):614–21

Development and evaluation of a coculture technique for identification of anaerobic organisms. Hussain Z, et al. **J Clin Microbiol** 1984 Feb;19(2):215–7

Evaluation of a microtiter system for identification of anaerobic bacteria. Savuto PS, et al. **J Clin Microbiol** 1984 Jul;20(1):81–3

Taxonomy of anaerobes: present state of the art. Holdeman LV, et al. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl 1:S3–10 (68 ref.)

Problems encountered in clinical anaerobic bacteriology. Jousimies–Somer HR, et al. **Rev Infect Dis** 1984 Mar–Apr; 6 Suppl 1:S45–50

DRUG EFFECTS

Susceptibility profiles of potential aerobic and anaerobic pathogens isolated from hysterectomy patients. Heard ML, et al. **Am J Obstet Gynecol** 1984 May 15;149(2):133–43

Minimal inhibitory concentrations of various antimicrobial agents for human oral anaerobic bacteria. Baker PJ, et al. **Antimicrob Agents Chemother** 1983 Sep;24(3):420–4

In vitro comparison of the activity of RU 28965, a new macrolide, with that of erythromycin against aerobic and anaerobic bacteria. Barlam T, et al. **Antimicrob Agents Chemother** 1984 Apr;25(4):529–31

Effect of inoculum, pH, and medium on the activity of ciprofloxacin against anaerobic bacteria. Borobio MV, et al. **Antimicrob Agents Chemother** 1984 Mar;25(3):342–3

Ciprofloxacin, a quinolone carboxylic acid compound active against aerobic and anaerobic bacteria. Chin NX, et al. **Antimicrob Agents Chemother** 1984 Mar;25(3):319–26

Susceptibility of anaerobic bacteria from several French hospitals to three major antibiotics. Dubreuil L, et al. **Antimicrob Agents Chemother** 1984 Jun;25(6):764–6

Comparative in vitro activities of cefpiramide and apalcillin against anaerobic bacteria. Wexler H, et al. **Antimicrob Agents Chemother** 1984 Feb;25(2):162–4

Some characteristics and antibiotic resistance of anaerobic bacteria from the ceca and colons of pigs fed chlortetracycline–containing and unmedicated diets. Dawson KA, et al. **Appl Environ Microbiol** 1984 Jan; 47(1):210–2

Susceptibility of intestinal anaerobes to new beta–lactam antibiotics. Bansal MB, et al. **Chemotherapy** 1984; 30(4):237–43

A comparison of the susceptibilities of anaerobic bacteria to trimethoprim and sulfamethoxazole individually and in combination. Tosolini FA, et al. **Clin Ther** 1983;5(6):629–31

Susceptibility testing of anaerobic bacteria. Finegold SM, et al. **Diagn Microbiol Infect Dis** 1983 Mar;1(1):33–40

The activity of cefotaxime and desacetylcefotaxime alone and in combination against anaerobes and staphylococci. Jones RN, et al. **Diagn Microbiol Infect Dis** 1984 Jun;2(3 Suppl):37S–46S

In vitro activity of teicoplanin and vancomycin against anaerobes [letter] Glupczynski Y, et al. **Eur J Clin Microbiol** 1984 Feb;3(1):50–1

In vitro susceptibility to metronidazole of bacteria from the small intestine of tropical sprue patients. Albert MJ, et al. **Indian J Med Res** 1984 Mar;79:333–6

Antibiotic resistance in anaerobic and coliform bacteria from the intestinal tract of swine fed therapeutic and subtherapeutic concentrations of chlortetracycline. Dawson KA, et al. **J Anim Sci** 1984 Jan;58(1):123–31

In vitro activity of U–57930E against anaerobic bacteria and its comparison with clindamycin, ampicillin, carbenicillin and tetracycline. Qadri SM, et al. **J Antibiot (Tokyo)** 1983 Jan;36(1):42–6

The activity of piperacillin against anaerobic bacilli [letter] Leigh DA. **J Antimicrob Chemother** 1984 May;13(5):525–6

Susceptibility of anaerobic bacteria to imipenem. Tally FP, et al. **J Antimicrob Chemother** 1983 Dec;12 Suppl D:47–51

The in–vitro activity of bicozamycin against anaerobic bacteria of clinical interest. Watt B, et al. **J Antimicrob Chemother** 1983 Dec;12(6):549–53

Inoculum preparation for anaerobic susceptibility tests. Murray PR, et al. **J Clin Microbiol** 1983 Sep;18(3):733–4

Preparing inoculum for susceptibility testing of anaerobes. Swenson JM, et al. **J Clin Microbiol** 1984 Mar;19(3):321–5

Comparison of susceptibilities of anaerobic bacteria determined by agar dilution and by a microbroth method. Baron EJ, et al. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl 1:S249–53

Antimicrobial susceptibility testing of anaerobic bacteria. Rosenblatt JE. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl 1:S242–8 (43 ref.)

Mechanisms of resistance and resistance transfer in anaerobic bacteria: factors influencing antimicrobial therapy. Tally FP, et al. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl 1:S260–9 (66 ref.)

In vitro interactions between metronidazole or tinidazole and ampicillin, doxycycline and co–trimoxazole on the effect against anaerobic bacteria. Bergan T, et al. **Scand J Gastroenterol [Suppl]** 1984;91:95–101

Antimicrobial resistance and resistance transfer in anaerobic. A review. Tally FP, et al. **Scand J Gastroenterol [Suppl]** 1984;91:21–30 (18 ref.)

Influence of metronidazole treatment on the vaginal microbiological flora. Fredricsson B, et al. **Scand J Infect Dis [Suppl]** 1983;40:91–4

[Comparative study, using 3 methods, of the sensitivity to metronidazole and ornidazole of anaerobic or related bacteria] Gallusser A. **Ann Microbiol (Paris)** 1983 Sep–Oct; 134(2):307–21 (Eng. Abstr.) **(Fre)**

[In vitro activity of the amoxicillin–clavulanic acid combination on anaerobic bacteria. Comparison with amoxicillin, lamoxactam and metronidazole] Deforges L, et al. **Pathol Biol (Paris)** 1984 Jun;32(5 Pt 2):540–3 (Eng. Abstr.) **(Fre)**

[Anaerobic effect of tinidazol compared with metronidazol, ornidazol, cefoxitin and lamoxactam] Werner H, et al. **Immun Infekt** 1983 Jun;11(4):143–7 (Eng. Abstr.) **(Ger)**

[Sporeless anaerobic bacteria with special reference to resistance testing and resistance behavior] Wolter M. **Z Arztl Fortbild (Jena)** 1983;77(22):919–23 **(Ger)**

[Comparative analysis of the inhibiting activity of various antibiotics on anaerobic microorganisms] Dessi S, et al. **Boll Ist Sieroter Milan** 1983 May 31;62(2):153–6 (Eng. Abstr.) **(Ita)**

[Sensitivity tests to antibiotics for aerobes and anaerobes in clinical practice] Brenciaglia MI, et al. **Nuovi Ann Ig Microbiol** 1982 Mar–Jun;33(2–3):349–74 **(Ita)**

ENZYMOLOGY

Use of differential dye–ligand chromatography with affinity elution for enzyme purification: 2–keto–3–deoxy–6–phosphogluconate aldolase from Zymomonas mobilis. Scopes RK. **Anal Biochem** 1984 Feb; 136(2):525–9

Use of differential dye–ligand chromatography with affinity elution for enzyme purification: 6–phosphogluconate dehydratase from Zymomonas mobilis. Scopes RK, et al. **Anal Biochem** 1984 Feb;136(2):530–4

A comparison of four methods for detecting beta–lactamase in anaerobic bacteria. Lee DT, et al. **Diagn Microbiol Infect Dis** 1983 Jun;1(2):173–5

Purification, characterisation and reconstitution of glutaconyl–CoA decarboxylase, a biotin–dependent sodium pump from anaerobic bacteria. Buckel W, et al. **Eur J Biochem** 1983 Nov 2;136(2):427–34

GROWTH & DEVELOPMENT

Use of an anaerobic culture jar in processing pediatric throat cultures. Hayden GF, et al. **Clin Pediatr (Phila)** 1984 Apr; 23(4):224–7

Continuous opacity monitoring of the growth of bacteria under strict anaerobic conditions. O'Grady F, et al. **J Clin Pathol** 1983 Nov;36(11):1229–32

The role of gastrointestinal microflora in the pathogenesis of complications of mesenteric ischemia. Bennion RS, et al. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl 1:S132–8

[Simple method of culturing anaerobes] Li ZY. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1983 Jun; 4(3):181–4 (Eng. Abstr.) **(Chi)**

[A magnesium gas generator for the cultivation of anaerobic microorganisms] Chrástová V, et al. **Cesk Epidemiol Mikrobiol Imunol** 1984 Jan;33(1):37–43 (Eng. Abstr.) **(Cze)**

[A new method for culturing sporeless anaerobic bacteria from clinical material] Bölter C, et al. **Z Arztl Fortbild (Jena)** 1983;77(22):925–7 **(Ger)**

IMMUNOLOGY

Protection of chicks against Salmonella infantis infection induced by strict anaerobically cultured intestinal microflora. Goren E, et al. **Vet Q** 1984 Jan;6(1):22–6

ISOLATION & PURIFICATION

Intra–amniotic bacterial colonization in premature labor. Wahbeh CJ, et al. **Am J Obstet Gynecol** 1984 Mar 15; 148(6):739–43

Aerobic and anaerobic bacteriologic features of serous otitis media in children. Brook I, et al. **Am J Otolaryngol** 1983 Nov–Dec;4(6):389–92

Microbial aspects of the cockroach hindgut. Cruden DL, et al. **Arch Microbiol** 1984 Jun;138(2):131–9

Obligate anaerobic bacteria found in canine and feline purulent lesions. Kanoe M, et al. **Br Vet J** 1984 May–Jun; 140(3):257–62

The identification and antimicrobial susceptibility of anaerobic bacteria from pneumonic cattle lungs. Chirino–Trejo JM, et al. **Can J Comp Med** 1983 Jul; 47(3):270–5

Emergence of beta–lactamase–producing aerobic and anaerobic bacteria in the oropharynx of children following penicillin chemotherapy. Brook I, et al. **Clin Pediatr (Phila)** 1984 Jun;23(6):338–41

Infectivity of organisms recovered from polymicrobial abscesses. Brook I, et al. **Infect Immun** 1983 Dec; 42(3):986–9

Therapy of anaerobic infections. Wilkins TD, et al. **Infection** 1983;11 Suppl 2:S105–8

Development and evaluation of a miniaturised method as an aid to the identification of clinically important anaerobic bacteria. Levett PN. **J Clin Pathol** 1984 Jan;37(1):70–3

Isolation of anaerobic and aerobic bacteria from clean surgical wounds: an experimental and clinical study. Benediktsdóttir E, et al. **J Hosp Infect** 1983 Jun;4(2):141–8

Sputum cultures for evaluation of anaerobes in cystic fibrosis [letter] Brook I. **J Pediatr** 1984 Sep;105(3):505–6

Frontal sinusitis [letter] Brook I. **Pediatr Infect Dis** 1984 May–Jun;3(3):284

Bacterial flora of the vagina: quantitative study. Bartlett JG, et al. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl 1:S67–72

Specimen collection and transport, anaerobic culture techniques, and identification of anaerobes. Citron DM. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl 1:S51–8

Role of anaerobic bacteria in bite–wound infections. Goldstein EJ, et al. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl 1:S177–83 (63 ref.)

Recovery of anaerobic bacteria from vented blood–culture bottles. Martin WJ, et al. **Rev Infect Dis** 1984 Mar–Apr; 6 Suppl 1:S59–61

Anaerobes in burn–wound infections. Murray PM, et al. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl 1:S184–6 (23 ref.)

Anaerobes in liver abscess. Sabbaj J. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl 1:S152–6 (50 ref.)

Pulmonary infection due to anaerobes in a hospital autopsy survey. Saito A, et al. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl 1:S128–31

The infected foot of the diabetic patient: quantitative microbiology and analysis of clinical features. Sapico FL, et al. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl 1:S171–6

Anaerobes as normal oral flora. Sutter VL. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl 1:S62–6 (26 ref.)

Evaluation of Minitec and API as rapid diagnostic methods for anaerobic bacteria. Bergan T, et al. **Scand J Gastroenterol [Suppl]** 1984;91:103–11

Diagnostic considerations and sample collection for anaerobic bacteria. Bergan T. **Scand J Gastroenterol [Suppl]** 1983;85:5–14

Gardnerella vaginalis and anaerobic bacteria in the etiology of bacterial (nonspecific) vaginosis. Spiegel CA, et al. **Scand J Infect Dis [Suppl]** 1983;40:41–6

The significance of anaerobic bacteria in biliary tract infection after hepatic portoenterostomy for biliary atresia. Brook I, et al. **Surgery** 1984 Mar;95(3):281–3

Isolation and identification of obligate anaerobic bacteria from the faces of scouring and non–scouring calves. Abdulmola SA, et al. **Zentralbl Veterinarmed [B]** 1983 Aug; 30(7):480–6

[Bacteriological investigation of anaerobes in 11 cases of periodontal abscess and methods to improve its detection rate] Chen CM. **Chung Hua Kou Chiang Ko Tsa Chih** 1983

Dec;18(4):209–11 (Chi)
[Gas gangrene of the neck. Non-clostridial infection due to obligate anaerobic bacteria] Liebshardt C, et al. **Acta Otorhinolaryngol Belg** 1984;38(1):51–8 (Fre)
[Qualitative and quantitative analysis of the bacterial flora in the trachea of healthy chickens] Dho M, et al. **Ann Rech Vet** 1983;14(3):189–94 (Eng. Abstr.) (Fre)
[Anaerobic bacteria and Gardnerella in nonspecific vaginal fluor (vaginosis)] Pavić N, et al. **Gynakol Rundsch** 1984; 24(1):1–23 (Ger)
[Qualitative-quantitative occurrence of aerobic germs and determination of microaerophils and anaerobes in the vaginal content of pregnant women in the 1st trimester] Spitzbart H, et al. **Zentralbl Gynakol** 1983;105(17):1118–21 (Ger)
[Reflections on my studies of anaerobes] Suzuki S. **Nippon Saikingaku Zasshi** 1983 Sep;38(5):755–7 (Jpn)
[Anaerobic bacteria from microbial foci in acute odontogenic inflammatory diseases] Oleínik II, et al. **Antibiotiki** 1984 Apr;29(4):275–6 (Eng. Abstr.) (Rus)
[Method of isolating nonsporulating anaerobic bacteria in a microaerostat] Ponomareva TP, et al. **Lab Delo** 1984; (3):178–9 (Eng. Abstr.) (Rus)
[Anaerobic non-sporulating bacteria and purulent otitis media] Hudáč A, et al. **Cesk Epidemiol Mikrobiol Imunol** 1983 Sep;32(5):249–58 (Eng. Abstr.) (Slo)
[Anaerobic non-sporulating bacterial flora in gynecological material] Zahradníková I, et al. **Cesk Epidemiol Mikrobiol Imunol** 1984 May;33(3):162–6 (Eng. Abstr.) (Slo)

METABOLISM

Metabolism of one-carbon compounds by chemotrophic anaerobes. Zeikus JG. **Adv Microb Physiol** 1983;24:215–99 (239 ref.)
Kinetics of two subgroups of propionate-using organisms in anaerobic digestion. Heyes RH, et al. **Appl Environ Microbiol** 1983 Sep;46(3):710–5
Bacterial degradation of lignified wood cell walls in anaerobic aquatic habitats. Holt DM, et al. **Appl Environ Microbiol** 1983 Sep;46(3):722–7
Absence of microbial mineralization of lignin in anaerobic enrichment cultures. Odier E, et al. **Appl Environ Microbiol** 1983 Sep;46(3):661–5
Thermophilic anaerobic bacteria which ferment hemicellulose: characterization of organisms and identification of plasmids. Weimer PJ, et al. **Arch Microbiol** 1984 May;138(1):31–6
Comparison of three reagents for detecting indole production by anaerobic bacteria in microtest systems. Lombard GL, et al. **J Clin Microbiol** 1983 Sep;18(3):609–13
Microbial phosphorus release during enhanced glycolysis. Fleischer S. **Naturwissenschaften** 1983 Aug;70(8):415
The detection of obligate anaerobic bacteria in swine abscesses. A comparison between gas-liquid chromatography and bacteriological culturing methods. van den Bogaard AE, et al. **Vet Microbiol** 1983 Aug; 8(4):389–96
[Transformation of the 7-hydroxy group of bile acids by human intestinal anaerobes] Hirano S. **Nippon Saikingaku Zasshi** 1983 Nov;38(6):805–8 (13 ref.) (Jpn)

PATHOGENICITY

Importance of encapsulated anaerobic bacteria in mixed infection [editorial] Brook I. **Arch Intern Med** 1984 Apr; 144(4):701–2
Synergistic effect of bacteroides, Clostridium, Fusobacterium, anaerobic cocci, and aerobic bacteria on mortality and induction of subcutaneous abscesses in mice. Brook I, et al. **J Infect Dis** 1984 Jun;149(6):924–8
Anaerobic bacteria. Pathogenicity and relevant antimicrobial agents. **Scand J Gastroenterol [Suppl]** 1984;91:1–123
Pathogenicity of anaerobic bacteria. Bergan T. **Scand J Gastroenterol [Suppl]** 1984;91:1–11 (15 ref.)

PHYSIOLOGY

Motility as a factor in bowel colonization by Roseburia cecicola, an obligately anaerobic bacterium from the mouse caecum. Stanton TB, et al. **J Gen Microbiol** 1984 Jan;130 (Pt 1):173–83
The role of anaerobic bacteria in intraabdominal infections. Dunn DL, et al. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl 1:S139–46 (51 ref.)
Interactions of polymorphonuclear leukocytes with anaerobic bacteria. Klempner MS. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl 1:S40–4 (23 ref.)
Interactions among microorganisms of the indigenous intestinal flora and their influence on the host. Rolfe RD. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl 1:S73–9 (62 ref.)

ULTRASTRUCTURE

Helical flagellation in Centipeda periodontii, a gram-negative, anaerobic bacillus from periodontitis lesions. Males BM, et al. **J Gen Microbiol** 1984 Jan;130 (Pt 1):185–91

BACTERIAL ANTIBODIES see **ANTIBODIES, BACTERIAL**

BACTERIAL ANTIGENS see **ANTIGENS, BACTERIAL**

BACTERIAL CONJUGATION see **CONJUGATION, GENETIC**

BACTERIAL INFECTIONS

Bacterial meningitis in children. Wink D. **Am J Nurs** 1984 Apr;84(4):456–60
Early and late neonatal septicaemia. Placzek MM, et al. **Arch Dis Child** 1983 Sep;58(9):728–31
Pubic osteomyelitis due to anaerobic bacteria. Jenkins FH, et al. **Arch Intern Med** 1984 Apr;144(4):842–3
Intrastromal noninflammatory bacterial colonization of a corneal graft. Gorovoy MS, et al. **Arch Ophthalmol** 1983 Nov;101(11):1749–52
Plesiomonas shigelloides septic arthritis complicating rheumatoid arthritis. Gordon DL, et al. **Aust NZ J Med** 1983 Jun;13(3):275–6
Chronic bacterial and non-bacterial prostatitis. Thin RN, et al. **Br J Urol** 1983 Oct;55(5):513–8
Myelodysplastic syndrome with monosomy 7 in adulthood: a distinct preleukaemic disorder. Dezza L, et al. **Haematologica (Pavia)** 1983 Nov–Dec;68(6):723–35
Bacteriology and acne. Parish LC, et al. **Int J Dermatol** 1984 Jan–Feb;23(1):36–7
Asthma and bacterial sinusitis in children. Friedman R, et al. **J Allergy Clin Immunol** 1984 Aug;74(2):185–9
Capnocytophaga ochracea infection: two cases and a review of the published work. Hawkey PM, et al. **J Clin Pathol** 1984 Sep;37(9):1066–70
Eight hundred and seventy-five cases of bacterial meningitis. Part I of a three-part series: clinical data, prognosis, and the role of specialised hospital departments. Bohr V, et al. **J Infect** 1983 Jul;7(1):21–30
New concepts in medical bacteriology. O'Brien TF, et al. **J Med** 1983;14(4):271–80 (12 ref.)
Immune complexes in cerebrospinal fluid and serum of neurological patients. Possible intrathecal formation in bacterial meningitis and herpetic encephalitis. Sindic CJ, et al. **J Neuroimmunol** 1984 Feb;6(1):9–18
Experimental anaerobic brain abscess. Computerized tomographic and neuropathological correlations. Britt RH, et al. **J Neurosurg** 1984 Jun;60(6):1148–59
Osteomyelitis caused by Capnocytophaga ochracea. Elster AD, et al. **J Pediatr Orthop** 1983 Nov;3(5):613–5
Kingella kingae osteomyelitis of the clavicle. Rotbart HA, et al. **J Pediatr Orthop** 1984 Aug;4(4):500–2
Shifting intramural gas—a new ultrasound sign of emphysematous cholecystitis. Bloom RA, et al. **JCU** 1984 Jan;12(1):40–2
Bacterial pneumonias [editorial] Haq G. **JPMA** 1984 Apr; 34(4):82–3
Infections and infestations of the central nervous system in India. A review. Bagchi AK. **Neurosurg Rev** 1983; 6(3):93–101 (98 ref.)
Symposium on musculoskeletal sepsis. **Orthop Clin North Am** 1984 Jul;15(3):399–568
Infections of the masseteric space in children. Calcaterra VE, et al. **Otolaryngol Head Neck Surg** 1984 Feb;92(1):118–22
Peculiar septic responses in traumatic tetraplegic patients. Ohry A, et al. **Paraplegia** 1983 Oct;21(5):318–21
Meningococcal mesenteric adenitis and peritonitis in a child. Kunkel MJ, et al. **Pediatr Infect Dis** 1984 Jul–Aug; 3(4):327–28
Acute frontal sinusitis with intracranial complications. Sable NS, et al. **Pediatr Infect Dis** 1984 Jan–Feb;3(1):58–61
Community-acquired bacterial pneumonia in the elderly. Gleckman RA, et al. **Pharmacotherapy** 1984 Mar–Apr; 4(2):81–8 (89 ref.)
The role of anaerobes in pulmonary infections. Bint AJ. **Postgrad Med J** 1983;59 Suppl 3:188–9
International Symposium on Anaerobic Bacteria and Their Role in Disease. Los Angeles and Santa Monica, California, October 11–13, 1981. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl 1:S1–299
Anaerobic infections in clinical medicine. Proceedings from a meeting at Holmenkollen, Oslo, 25–26 September 1981. **Scand J Gastroenterol [Suppl]** 1983;85:1–110
Bacterial infections in the upper respiratory tract. A symposium held at the Swedish Medical Society, Stockholm, Sweden, March 24, 1983. **Scand J Infect Dis [Suppl]** 1983;39:1–114
Orofacial infections of odontogenic origin. Heimdahl A, et al. **Scand J Infect Dis [Suppl]** 1983;39:86–91 (15 ref.)
Diagnosis and treatment of septicaemia. Kalager T, et al. **Trop Gastroenterol** 1983 Jul–Sep;4(3):121–8 (46 ref.)
[Bacillus cereus: a wound contaminant but also a causative agent of severe general infections?] Tjong Joe Wai R, et al. **Ned Tijdschr Geneeskd** 1984 Jun 23;128(25):1183–7 (Eng. Abstr.) (Dut)
[General review of splenic abscess (with the exception of amebic and tuberculous)] Elkabbaj M. **Maroc Med** 1983 Jun;5(2):136–41 (Eng. Abstr.) (Fre)
[Corynebacterium acnes osteitis. A case in a child] Louis JJ, et al. **Pediatrie** 1983 Jul–Aug;38(5):325–32 (Eng. Abstr.) (Fre)
[Infectious pathology] **Rev Med Brux** 1984 Mar;5(3):223–32 (Fre)
[Severe Aeromonas hydrophila infections. Apropos of 2 cases] Guérin JM, et al. **Sem Hop Paris** 1984 Feb 16; 60(8):577–9 (Eng. Abstr.) (Fre)
[Septicemia. Etiology, epidemiology, clinical aspects and prognosis in 446 patients] Lode H, et al. **Dtsch Med Wochenschr** 1983 Dec 16;108(50):1908–14 (75 ref.) (Eng. Abstr.) (Ger)
[The tubo-ovarian abscess] Friedberg V, et al. **Gynakologe** 1984 Jun;17(2):143–7 (Ger)
[Neonatal sepsis] Braun W, et al. **Zentralbl Gynakol** 1984; 106(11):725–31 (Ger)
[Pathogenic variations of cutaneous bacterial flora in hemodialyzed patients. Repercussions on infections at vascular access points and their prevention] Savazzi GM, et al. **Minerva Nefrol** 1983 Jul–Sep;30(3):175–81 (Eng. Abstr.) (Ita)
[Neonatal septic osteoarthritis] Menchini M, et al. **Pediatr Med Chir** 1983 Jul–Aug;5(4):179–84 (Eng. Abstr.) (Ita)
[57th meeting of the Japanese Society for Bacteriology. July 18–20, 1984, Sapporo, Japan. Abstracts] **Nippon Saikingaku Zasshi** 1984 May;39(3):177–681 (Jpn)
[Anaerobic bacteria in gynecologic and obstetrical pathology] Ardeleanu J. **Rev Ig [Bacteriol]** 1983 Apr–Jun; 28(2):141–65 (47 ref.) (Eng. Abstr.) (Rum)
[Clinical aspects, pathogenesis and treatment of the bacterid of Andrews] Levintova GI, et al. **Vestn Dermatol Venerol** 1984 May;(5):49–52 (Eng. Abstr.) (Rus)

BLOOD

Acute phase protein response to infection in elderly patients. Kenny RA, et al. **Age Ageing** 1984 Mar;13(2):89–94
Polymorphonuclear leukocyte migration abnormalities and their significance in seriously traumatized patients. Maderazo EG, et al. **Ann Surg** 1983 Dec;198(6):736–42
C-reactive protein as an indicator of infection relapse in patients with abdominal sepsis. Schentag JJ, et al. **Arch Surg** 1984 Mar;119(3):300–4
Value of leukocyte alkaline phosphatase and other leukocyte parameters in diagnosis of neonatal infection. Paul RS, et al. **Biol Neonate** 1984;45(6):275–9
Serum-levels of lactoferrin, lysozyme and myeloperoxidase in normal, infection-prone and leukemic children. Venge P, et al. **Clin Chim Acta** 1984 Jan 31;136(2–3):121–30
Initial aminoglycoside levels in the critically ill. Summer WR, et al. **Crit Care Med** 1983 Dec;11(12):948–50
Defective bactericidal activity and absence of specific granules in neutrophils from a patient with recurrent bacterial infections. Ambruso DR, et al. **J Clin Immunol** 1984 Jan;4(1):23–30
C reactive protein rapid assay techniques for monitoring resolution of infection in immunosuppressed patients. Harris RI, et al. **J Clin Pathol** 1984 Jul;37(7):821–5
Neutrophil dysfunction in sepsis. III. Degranulation as a mechanism for nonspecific deactivation. Solomkin JS, et al. **J Surg Res** 1984 May;36(5):407–12
Decreased plasma fibronectin in neonatal sepsis. Gerdes JS, et al. **Pediatrics** 1983 Dec;72(6):877–81
The significance of nongonococcal, nonmeningococcal Neisseria isolates from blood cultures. Feder HM Jr, et al. **Rev Infect Dis** 1984 Mar–Apr;6(2):181–8 (78 ref.)
[CRP in the diagnosis and treatment of bacterial infections] Peltola H. **Duodecim** 1984;100(7):390–400 (Fin)
[C-reactive protein and neonatal infections. Diagnostic importance] Magny JF, et al. **Arch Fr Pediatr** 1984 Mar; 41(3):167–70 (Eng. Abstr.) (Fre)
[Neonatal bacterial infections. Kinetic study of C-reactive protein and orosomucoid] Alt R, et al. **Presse Med** 1984 May 26;13(22):1373–6 (Eng. Abstr.) (Fre)
[Significance of C-reactive proteins (CRP) in serum in bacterial infections of premature infants] Künzer W, et al. **Monatsschr Kinderheilkd** 1983 Sep;131(9):573–6 (Eng. Abstr.) (Ger)
[C-reactive protein in the serum of newborn infants] Amato M, et al. **Schweiz Med Wochenschr** 1984 Mar 24; 114(12):412–4 (Eng. Abstr.) (Ger)
[The blood coagulation system in neonatal infections] Domula M, et al. **Zentralbl Gynakol** 1984;106(11):737–42 (Ger)
[Blood sampling in premature and newborn infants] Spencker FB, et al. **Zentralbl Gynakol** 1984;106(11):732–6 (Ger)
[Disseminated intravascular coagulation in children with severe infections. II. Laboratory studies of the blood coagulation and fibrinolysis systems] Niżnikowska-Marks MJ, et al. **Pediatr Pol** 1983 May;58(5):407–17 (Eng. Abstr.) (Pol)
[Disseminated intravascular coagulation in children with severe infections. III. Prognosis] Niżnikowska-Marks MJ, et al. **Pediatr Pol** 1983 May;58(5):419–24 (Eng. Abstr.) (Pol)
[Disseminated intravascular coagulation in children with severe infections. I. Clinical aspects] Niżnikowska-Marks MJ, et al. **Pediatr Pol** 1983 May;58(5):401–6 (Eng. Abstr.) (Pol)
[Changes in intravascular granulocyte pools in young persons with bacterial pneumonia. II] Kruszewski J, et al. **Pneumonol Pol** 1983 Apr;51(4):217–24 (Eng. Abstr.) (Pol)
[The blood coagulation and fibrinolysis systems in newborn infants with acute infection] Grygalewicz J, et al. **Przegl Lek** 1984;41(5):357–63 (Eng. Abstr.) (Pol)
[Several regularities of the interrelation of blood leukocytes and microbes in the infectious process] Sarkisov DS, et al. **Arkh Patol** 1983;45(11):51–8 (Eng. Abstr.) (Rus)

[Metabolic processes in the erythrocytes of children with sepsis] Shovkun AG, et al. **Pediatriia** 1983 Sep;(9):62–3 **(Rus)**

[Thrombohemorrhagic syndrome in the clinical aspects of food poisoning] Rashchinskiĭ MI. **Ter Arkh** 1984; 56(6):103–6 (Eng. Abstr.) **(Rus)**

[Characteristics of metabolic disorders in otogenic sepsis] Talyshinskiĭ AM. **Vestn Otorinolaringol** 1984 May–Jun; (3):8–12 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

Counterimmunoelectrophoresis in the rapid diagnosis of bacterial meningitis. Sivakumaran S, et al. **Southeast Asian J Trop Med Public Health** 1984 Mar; 15(1):59–62

[Penetration of piperacillin into the cerebrospinal fluid of patients with purulent meningitis] Decazes JM, et al. **Presse Med** 1984 Feb 11;13(5):261–4 (Eng. Abstr.) **(Fre)**

[Lactate determination in the cerebrospinal fluid for differentiating bacterial and viral meningitis] Heil W, et al. **Internist (Berlin)** 1984 May;25(5):320–4 **(Ger)**

[Cefotaxime and desacetylcefotaxime in cerebrospinal fluid of newborn and premature infants] von Loewenich V, et al. **Padiatr Padol** 1983;18(4):361–6 (Eng. Abstr.) **(Ger)**

CHEMICALLY INDUCED

Trimethoprim/sulfamethoxazole versus placebo: a double-blind comparison of infection prophylaxis in patients with small cell carcinoma of the lung. de Jongh CA, et al. **J Clin Oncol** 1983 May;1(5):302–7

COMPLICATIONS

Bacterium-induced cleavage of IgA in nasopharyngeal secretions from atopic children. Sørensen CH, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1984 Feb; 92(1):85–7

Acute septic pancreatitis presenting as colonic necrosis. Goldofsky E, et al. **Am J Gastroenterol** 1984 Jul; 79(7):548–52

Infectious complications in 127 patients with hairy cell leukemia. Golomb HM, et al. **Am J Hematol** 1984 May; 16(4):393–401

Second-stage fetal tachycardia and neonatal infection. Schiano MA, et al. **Am J Obstet Gynecol** 1984 Mar 15; 148(6):779–81

The effect of bacterial superinfection on lung function after diffuse alveolar damage. Campbell GD, et al. **Am Rev Respir Dis** 1984 Jun;129(6):974–8

Cavitation in bacteremic pneumococcal pneumonia. Causal role of mixed infection with anaerobic bacteria. Leatherman JW, et al. **Am Rev Respir Dis** 1984 Feb; 129(2):317–21

Hyperkeratosis, periodontosis, and chronic pyogenic infections in a 15-year-old boy. Part Two. Shams El Din A, et al. **Ann Allergy** 1984 Jul;53(1):55–6

Hyperkeratosis, periodontosis, and chronic pyogenic infections in a 15-year-old boy. Part One. Shams El Din A, et al. **Ann Allergy** 1984 Jul;53(1):11–4

Bacterial corneal ulcer, endophthalmitis, and embolic phenomena. Brenner M. **Ann Ophthalmol** 1984 Apr; 16(4):334–40

Infection and interferon production in systemic juvenile chronic arthritis: a prospective study. de Vere-Tyndall A, et al. **Ann Rheum Dis** 1984 Feb;43(1):1–7

Infections in children with severe protein-energy malnutrition. Berkowitz FE. **Ann Trop Paediatr** 1983 Jun; 3(2):79–83

Overwhelming sepsis in the adult variant of Wiskott-Aldrich syndrome. Horwich AL, et al. **Arch Intern Med** 1984 Jul; 144(7):1498–500

Disseminated intravascular coagulation associated with severe infection in surgical patients: a retrospective and prospective study. Kambayashi J, et al. **Bibl Haematologica** 1983;49:49–58

Urogenital syndromes and spondarthritis. Olhagen B. **Br J Rheumatol** 1983 Nov;22(4 Suppl 2):33–40 (21 ref.)

Bacterial contamination of the small intestine is an important cause of occult malabsorption in the elderly. McEvoy A, et al. **Br Med J [Clin Res]** 1983 Sep 17;287(6395):789–93

Superadded bacterial infection in urinary bilharziasis [editorial] **Cent Afr J Med** 1983 May;29(5):109

Management of osteomyelitis and soft-tissue infections. LeFrock JL, et al. **Del Med J** 1984 May;56(5):289–96 (27 ref.)

Changes in beta-adrenergic responses as a consequence of infection with micro-organisms. Terpstra GK, et al. **Eur J Respir Dis [Suppl]** 1984;135:34–46 (92 ref.)

Reticuloendothelial system phagocytic activity in cirrhosis and its relation to bacterial infections and prognosis. Rimola A, et al. **Hepatology** 1984 Jan-Feb;4(1):53–8

Kingella kingae meningitis with bilateral infarcts of the basal ganglia. Walterspiel JN. **Infection** 1983 Nov-Dec; 11(6):307–9

Anaerobic endogenous infection near the site of a trochanteric fracture [letter] Khan FA. **Injury** 1984 Mar; 15(5):353–4

Clinical features and outcome of infection in systemic lupus erythematosus. Kiernan M, et al. **Ir J Med Sci** 1983 Oct; 152(10):382–6

Total hip replacement in the previously septic hip. Cherney DL, et al. **J Bone Joint Surg [Am]** 1983 Dec;65(9):1256–65

Bacterial and fungal growth in urinary trichomoniasis. El-Rifaie SA, et al. **J Egypt Soc Parasitol** 1983 Dec; 13(2):397–402

Sequelae from bacterial meningitis and their relation to the clinical condition during acute illness, based on 667 questionnaire returns. Part II of a three part series. Bohr V, et al. **J Infect** 1983 Sep;7(2):102–10

Disseminated actinomycosis associated with infection by Capnocytophaga species. Juhl G, et al. **J Infect Dis** 1984 Apr;149(4):654

Etiological agents responsible for acute diarrhea in children in an urban community in Burma. Aye T, et al. **Microbiol Immunol** 1983;27(6):551–6

Budd-Chiari syndrome following pregnancy. Covillo FV, et al. **Mo Med** 1984 Jul;81(7):356–8

Prospective evaluation of hearing impairment as a sequela of acute bacterial meningitis. Dodge PR, et al. **N Engl J Med** 1984 Oct 4;311(14):869–74

Bacterial meningitis: more involved than just the meninges [editorial] Swartz MN. **N Engl J Med** 1984 Oct 4; 311(14):912–4

Anaerobic meningitis associated with a dermal sinus tract. Givner LB, et al. **Pediatr Infect Dis** 1983 Sep-Oct; 2(5):385–7

Bacterial tracheitis and viral croup [letter] Naqvi SH, et al. **Pediatr Infect Dis** 1984 May-Jun;3(3):282–3

A review of the oral manifestations of infections in pediatric patients. Wright JM, et al. **Pediatr Infect Dis** 1984 Jan-Feb; 3(1):80–8 (35 ref.)

Incidence of invasive bacterial disease in children with fever and petechiae. Van Nguyen Q, et al. **Pediatrics** 1984 Jul; 74(1):77–80

Early diagnosis and evolution of deafness in childhood bacterial meningitis: a study using brainstem auditory evoked potentials. Vienny H, et al. **Pediatrics** 1984 May; 73(5):579–86

Bacterial diarrhea in infants and children. Buchino JJ, et al. **Perspect Pediatr Pathol** 1984 Summer;8(2):163–80 (123 ref.)

Kingella kingae causing septic arthritis in Felty's syndrome. Lewis DA, et al. **Postgrad Med J** 1983 Aug;59(694):525–6

Tricuspid valve myxoma infected with dysgonic fermenter-2. Worthington M, et al. **South Med J** 1984 Feb;77(2):241–2

Meningitis caused by Flavobacterium meningosepticum after transsphenoidal hypophysectomy with recovery. Chan KH, et al. **Surg Neurol** 1983 Oct;20(4):294–6

The development of a model of subacute lung injury after intra-abdominal infection. Kirton OC, et al. **Surgery** 1984 Aug;96(2):384–94

A prospective study of the role of bacterial infection and G6PD deficiency in severe neonatal jaundice in Nigeria. Dawodu AH, et al. **Trop Geogr Med** 1984 Jun;36(2):127–32

The evaluation and management of acute diarrhea. Tolle SW, et al. **West J Med** 1984 Feb;140(2):293–7

Clinical complications of Mycoplasma pneumoniae disease—other organs. Suzuyama Y, et al. **Yale J Biol Med** 1983 Sep-Dec;56(5-6):487–91

Infection as a cause of peritoneal catheter dysfunction in ventriculo-peritoneal shunting in children. Frykberg T, et al. **Z Kinderchir** 1983 Dec;38 Suppl 2:84–6

Rheumatoid factor-negative arthritis, especially ankylosing spondylitis, and infections of the male urogenital tract. Schiefer HG, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Nov; 255(4):511–7

[Case of candidal sepsis during treatment of bacterial postoperative urosepsis with broad-spectrum antibiotics and glucocorticoid hormones] Ashkov S, et al. **Khirurgiia (Sofiia)** 1983;36(4):373–5 **(Bul)**

[Infections caused by Aeromonas hydrophila] Kuijper EJ, et al. **Ned Tijdschr Geneeskd** 1984 Feb 4;128(5):210–3 (Eng. Abstr.) **(Dut)**

[Airway infections and CARA. II. Bacterial infections] Terpstra G, et al. **Ned Tijdschr Geneeskd** 1984 May 26; 128(21):999–1001 **(Dut)**

[The immunology of reactive arthritis] Granfors K, et al. **Duodecim** 1983;99(15):1001–9 **(Fin)**

[2 cases of intracerebral arteritis, a rare complication of acute bacterial meningitis] Maurette P, et al. **Agressologie** 1983 Apr;24(5):191–2 (Eng. Abstr.) **(Fre)**

[Mediastinitis caused by odontogenic anaerobic bacteria] Guittard P, et al. **Ann Fr Anesth Reanim** 1984;3(3):216–8 (Eng. Abstr.) **(Fre)**

[Endotoxins of Gram-negative bacteria in liver diseases] Bréchot C, et al. **Gastroenterol Clin Biol** 1980 Apr; 4(4):289–305 (195 ref.) **(Fre)**

[Infectious jaundice of the newborn infant] Jorio Benkhraba M, et al. **Maroc Med** 1983 Jun;5(2):150–6 (Eng. Abstr.) **(Fre)**

[The reactive arthritis syndrome. Rheumatological limits] Delcambre B, et al. **Rev Rhum Mal Osteoartic** 1983 Nov; 50(11):745–52 (Eng. Abstr.) **(Fre)**

[Reactive arthritis caused by non-Yersinia intestinal infections] Lemaire V. **Rev Rhum Mal Osteoartic** 1983 Nov; 50(11):759–61 (Eng. Abstr.) **(Fre)**

[Hemolytic anemia in infections caused by neuraminidase-producing bacteria] Klein PJ, et al. **Verh Dtsch Ges Pathol** 1983;67:415–8 (Eng. Abstr.) **(Ger)**

[Bacterial, mycotic and protozoal cholangitis in childhood] Giacchino R, et al. **Pediatr Med Chir** 1983 Mar-Apr; 5(1-2):31–4 (Eng. Abstr.) **(Ita)**

[Severe surgical infection and DIC] Tamakuma S. **Nippon Geka Gakkai Zasshi** 1983 Sep;84(9):878–81 (Eng. Abstr.) **(Jpn)**

[Disease and violence: social behavior disorders as a response to communicable disease] da Cruz Tiriba A. **Rev Paul Med** 1983 Nov-Dec;101(6):245–7 **(Por)**

[Infections in diabetes (review of the literature)] Balabolkin MI, et al. **Khirurgiia (Mosk)** 1984 Jan;(1):147–54 **(Rus)**

[Course of nonclostridial anaerobic infections in suppurative open fractures and osteomyelitis] Okhotskiĭ VP, et al. **Ortop Travmatol Protez** 1983 Oct;(10):1–4 (Eng. Abstr.) **(Rus)**

[Non-clostridial anaerobic infection in diseases of the liver and biliary tract (review of the Soviet and foreign literature)] Kocherovets VI, et al. **Vestn Khir** 1984 Apr; 132(4):133–8 (61 ref.) **(Rus)**

[Role of a primary focus in the development of sepsis] Kizhaev EV, et al. **Voen Med Zh** 1984 Apr;(4):26–8 **(Rus)**

[Neuropsychiatric disorders and bodily reactivity in thermal lesions] Kolker II, et al. **Zh Nevropatol Psikhiatr** 1984; 84(5):675–9 (Eng. Abstr.) **(Rus)**

[Reactive arthritis] Vukotić D. **Reumatizam** 1983; 30(5-6):117–22 (Eng. Abstr.) **(Ser)**

[Hydranencephaly. Pathogenetic considerations] Careaga Maldonado J, et al. **Arch Neurobiol (Madr)** 1983 Nov-Dec; 46(6):377–84 (Eng. Abstr.) **(Spa)**

[The disseminated intravascular coagulation syndrome in patients with sepsis: prospective study in 62 cases] Guardia Sánchez R, et al. **Sangre (Barc)** 1983;28(5):586–98 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Hypothermia and infection in Wernicke's encephalopathy. Hansen B, et al. **Acta Med Scand** 1984;215(2):185–7

Quantitative C-reactive protein (CRP) determined by an immunoturbidimetric method in rapid differential diagnosis of acute bacterial and viral diseases of children. Peltola H, et al. **Acta Paediatr Scand** 1984 Mar;73(2):273–4

Value of pleural lactate in the differential diagnosis between empyema and non-bacterial pleural effusions. Bruun B, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1984 Apr; 92(2):85–8

Positive 14CO2 bile acid breath test in elderly people. Hellemans J, et al. **Age Ageing** 1984 May;13(3):138–43

Abnormalities of liver function and the predictive value of liver function tests in infection and outcome of acutely ill elderly patients. Kenny RA, et al. **Age Ageing** 1984 Jul; 13(4):224–9

Comparative investigation of a quantitative chromogenic endotoxin assay and blood cultures. Thomas LL, et al. **Am J Clin Pathol** 1984 Aug;82(2):203–6

Kingella (Moraxella) kingae infections [letter] Le CT. **Am J Dis Child** 1983 Dec;137(12):1212

Premature rupture of membranes: the role of C-reactive protein in the prediction of chorioamnionitis. Hawrylyshyn P, et al. **Am J Obstet Gynecol** 1983 Oct 1;147(3):240–6

Transplacental passage of influenza A/Bangkok (H3N2) mimicking amniotic fluid infection syndrome. McGregor JA, et al. **Am J Obstet Gynecol** 1984 Aug 15;149(8):856–9

Course and treatment of milk stasis, noninfectious inflammation of the breast, and infectious mastitis in nursing women. Thomsen AC, et al. **Am J Obstet Gynecol** 1984 Jul 1;149(5):492–5

Febrile illness in Malaysia—an analysis of 1,629 hospitalized patients. Brown GW, et al. **Am J Trop Med Hyg** 1984 Mar; 33(2):311–5

Comparative study of bacterial and fungal floras of contracted sockets and fellow eyes. Dayal Y, et al. **Ann Ophthalmol** 1984 Feb;16(2):154, 156, 158 passim

Pulmonary infections in cardiac transplant patients: modes of diagnosis, complications, and effectiveness of therapy. Mammana RB, et al. **Ann Thorac Surg** 1983 Dec; 36(6):700–5

Use of buffy-coat smears in the diagnosis of septicaemia in children. Nkrumah FK, et al. **Ann Trop Paediatr** 1983 Dec; 3(4):193–6

Bacterial meningitis in the elderly. Gorse GJ, et al. **Arch Intern Med** 1984 Aug;144(8):1603–7

Gas-liquid chromatography for rapid diagnosis of intra-abdominal infection. Spiegel CA, et al. **Arch Surg** 1984 Jan;119(1):28–32

The role of Aeromonas in acute diarrhoeal diseases in Nigeria. Agbonlahor DE. **Cent Afr J Med** 1983 Jul; 29(7):142–5

Efficacy of preoperative hip aspiration performed in the radiology department. Phillips WC, et al. **Clin Orthop** 1983 Oct;(179):141–6

Bacterial tracheitis—déjà vu. Hen J Jr. **Conn Med** 1984 Jul; 48(7):417–9

Bacteriological study of transhepatically aspirated bile. Relation to cholangiographic findings in 295 patients. Suzuki Y, et al. **Dig Dis Sci** 1984 Feb;29(2):109–15

Bacterial infections in the perinatal period. **Eur J Obstet Gynecol Reprod Biol** 1983 Aug;15(4–6):239–60

Infectious colitis endoscopically simulating inflammatory bowel disease: a prospective evaluation. Tedesco FJ, et al. **Gastrointest Endosc** 1983 Aug;29(3):195–7

Tubercular empyema thoracis: a diagnostic and therapeutic problem. Sharma TN, et al. **Indian J Chest Dis Allied Sci** 1983 Apr-Jun;25(2):127–31

Clinicopathological correlations in autopsy studies in pyogenic meningitis. Murthy JM, et al.

Indian J Med Res 1983 Aug;78:243–52
Fetal tachycardia and meconium staining: a sign of fetal infection. Blot P, et al. **Int J Gynaecol Obstet** 1983 Jun; 21(3):189–94
Frontal sinusitis and its intracranial complications. Wenig BL, et al. **Int J Pediatr Otorhinolaryngol** 1983 Jul;5(3):285–302
Pyogenic osteomyelitis of the vertebral body. Sutton MJ. **J Am Osteopath Assoc** 1984 Jun;83(10):724–8
The ultrasonographic diagnosis of bacterial meningitis and ventriculitis in infancy: six case reports. Brown BS, et al. **J Can Assoc Radiol** 1984 Mar;35(1):47–51
The ultrasonographic diagnosis of bacterial ventriculitis in infancy: a technical note. Brown BS, et al. **J Can Assoc Radiol** 1984 Mar;35(1):52–5
Bacterial sinusitis. Meyers BR. **J Fam Pract** 1984 Jan; 18(1):117–8, 123–7
Speciation polemic [editorial] Lorian V, et al. **J Infect Dis** 1984 May;149(5):661–2
Ocular infection caused by a biological insecticide. Samples JR, et al. **J Infect Dis** 1983 Sep;148(3):614
Anaerobic infections in surgery. Smith EB. **J Natl Med Assoc** 1984 Feb;76(2):206–8
Diagnosis and treatment of lateral pharyngeal space infections. Dzyak WR, et al. **J Oral Maxillofac Surg** 1984 Apr;42(4):243–9
Sensitivity of published neutrophil indexes in identifying newborn infants with sepsis. Benuck I, et al. **J Pediatr** 1983 Dec;103(6):961–3
Spontaneous bacterial peritonitis. Clark JH, et al. **J Pediatr** 1984 Apr;104(4):495–500 (50 ref.)
C-reactive protein as a detector of organic complications during recovery from childhood purulent meningitis. Peltola H, et al. **J Pediatr** 1984 Jun;104(6):869–72
C-reactive protein and bacterial tracheitis [letter] Shabino CL. **J Pediatr** 1983 Dec;103(6):1010
Intestinal bacterial overgrowth in the pediatric patient. Orenstein SR, et al. **J Tenn Med Assoc** 1984 Apr; 77(4):198–201
Spontaneous bacterial peritonitis caused by a viridans Streptococcus or Neisseria perflava. McCue JD. **JAMA** 1983 Dec 23–30;250(24):3319–21
Blood culture as a guide for the diagnosis of central venous catheter sepsis. Bozzetti F, et al. **JPEN** 1984 Jul–Aug; 8(4):396–8
Immunologic detection of bacterial antigens. Tilton RC. **Lab Res Methods Biol Med** 1983;8:183–90
Bacterial infections of the liver and biliary tract: laboratory studies to determine etiology. Vainrub B. **Lab Res Methods Biol Med** 1983;7:119–28 (27 ref.)
Commercial kits for bacteriological diagnosis of meningitis [editorial] **Lancet** 1984 Sep 1;2(8401):500–1
Legionellosis and sudden infant death syndrome [letter] Watson KC, et al. **Lancet** 1983 Dec 3;2(8362):1312
Variation and information in white blood cell differential counts. Juul S, et al. **Med Decis Making** 1984;4(1):69–80
Bacterial pneumonia in the elderly. Verghese A, et al. **Medicine (Baltimore)** 1983 Sep;62(5):271–85 (173 ref.)
Recurrent bacterial infections in children. Johnston RB Jr. **N Engl J Med** 1984 May 10;310(19):1237–43 (41 ref.)
Correlation of laboratory and clinical criteria in the prediction of postcesarean endomyometritis. Duff P, et al. **Obstet Gynecol** 1984 Jun;63(6):781–6
Osteomyelitis pubis after radical gynecologic operations. Hoyme UB, et al. **Obstet Gynecol** 1984 Mar;63(3 Suppl):47S–53S
Influenza A virus infection imitating bacterial sepsis in early infancy. Dagan R, et al. **Pediatr Infect Dis** 1984 May–Jun; 3(3):218–21
Bacterial contamination of the small intestine as an important cause of chronic diarrhea and abdominal pain: diagnosis by breath hydrogen test. Davidson GP, et al. **Pediatrics** 1984 Aug;74(2):229–35
Medical therapy for suppurative renal infections. Glaser JH, et al. **Pediatrics** 1984 May;73(5):726–8
Infectious arthritis and osteomyelitis. Schmid FR. **Primary Care** 1984 Jun;11(2):295–306
In-111-leukocyte scintigraphy for detection of infection associated with peritoneal dialysis catheters. Kipper SL, et al. **Radiology** 1984 May;151(2):491–4
Diagnosis and treatment of bacterial meningitis. Thys JP. **Resuscitation** 1984 Mar;11(3–4):243–8
C reactive protein in the early diagnosis and prognosis of neonatal septicemia. Tansanu I, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Jul–Sep;87(3):403–5
Comparison between cerebrospinal fluid concentrations of glucose, total protein, chloride, lactate, and total amino acids for the differential diagnosis of patients with meningitis. Briem H. **Scand J Infect Dis** 1983;15(3):277–84
Abdominal sepsis in the surgical intensive care unit. Herman CM. **Surg Annu** 1984;16:1–12 (26 ref.)
Mediastinal tap as useful method for the early diagnosis of mediastinal infection. Sarr MG, et al. **Surg Gynecol Obstet** 1984 Jul;159(1):79–81
Intra-abdominal Citrobacter infections: association with biliary or upper gastrointestinal source. Lew PD, et al. **Surgery** 1984 Apr;95(4):398–403
Fever, leucocytosis and infection after open heart surgery. A log-linear regression analysis of 115 cases. Miholic J, et al. **Thorac Cardiovasc Surg** 1984 Feb;32(1):45–8
Innominate artery compression of the trachea in infancy and childhood: is surgical therapy justified? Welz A, et al. **Thorac Cardiovasc Surg** 1984 Apr;32(2):85–8
Faecal leucocytes in patients with infectious diarrhoea. Alvarado T. **Trans R Soc Trop Med Hyg** 1983;77(3):316–20
Bacterial liver abscesses in Nigeria. Mabogunje OA, et al. **Trop Geogr Med** 1984 Jun;36(2):159–63
Antibody-coated bacteria in ejaculate in bacterial prostatitis. Riedasch G, et al. **Urology** 1984 Mar;23(3):252–5
Prostatitis: still a diagnostic and therapeutic dilemma. Shortliffe LM. **West J Med** 1983 Oct;139(4):542–4
[Gas–liquid chromatography for tentative identification of anaerobic infections] Meng XJ. **Chung Hua I Hsueh Tsa Chih** 1983 Nov;63(11):661–4 (Eng. Abstr.) **(Chi)**
[Preliminary clinical observations on the detection of gram-negative bacterial meningitis by limulus test] Zhang HP. **Chung Hua I Hsueh Tsa Chih** 1983 May;63(5):295–6 **(Chi)**
[Anaerobic infections in patients with burn injuries] Wang DW. **Chung Hua Wai Ko Tsa Chih** 1983 Jul;21(7):399–402 (Eng. Abstr.) **(Chi)**
[Determination of the site of infection in inflammations of the urinary tract and kidneys during pregnancy by the detection of increased levels of C-reactive protein] Pavlík V. **Cesk Gynekol** 1983 Jul;48(6):417–20 (Eng. Abstr.) **(Cze)**
[Localization of infections in the urinary tract and kidneys in pregnant women by the detection of antibody-coated bacteria in urinary sediment] Pavlík V, et al. **Cesk Gynekol** 1983 Jul;48(6):421–4 (Eng. Abstr.) **(Cze)**
[Reiter's syndrome as a reactive arthritis] Tesárek B. **Fysiatr Reumatol Vestn** 1984 Feb;62(1):14–7 (Eng. Abstr.) **(Cze)**
[Septic sacroiliitis] Möttönen T, et al. **Duodecim** 1983; 99(14):886–90 (Eng. Abstr.) **(Fin)**
[Nucleic acid hybridization—a new method of diagnosing microbial infections] Virtanen M, et al. **Duodecim** 1983; 99(19):1416–22 **(Fin)**
[Gas–phase chromatography in the rapid bacteriological diagnosis of infections. Contributions and limitations of this technic] Hansen W, et al. **Ann Biol Clin (Paris)** 1983; 41(4):263–7 (Eng. Abstr.) **(Fre)**
[Ascitic pH and infection in alcoholic cirrhosis] Attali P, et al. **Gastroenterol Clin Biol** 1984 Jun–Jul;8(6–7):518–22 (Eng. Abstr.) **(Fre)**
[Splenectomy in adults and the OPSI (overwhelming postsplenectomy infection) syndrome] Sass W, et al. **Dtsch Med Wochenschr** 1984 Aug 17;109(33):1249–54 (84 ref.) **(Ger)**
[Sepis in the newborn. Problems of early diagnosis and therapy, a new scoring system] Töllner U. **Fortschr Med** 1983 Nov 3;101(41):1879–82 (Eng. Abstr.) **(Ger)**
[Pathogen diagnosis in transition] Marget W. **MMW** 1983 Sep 30;125(39):831–3 **(Ger)**
[Bacterial infections. Possibilities of rapid diagnosis] Schaal KP. **MMW** 1983 Nov 18;125(46):1064–6 (Eng. Abstr.) **(Ger)**
[Problems of bacteriological diagnosis of lower respiratory infections using fiberbronchoscopic aspiration of secretions] Neuweiler J, et al. **Schweiz Med Wochenschr** 1984 Jun 23; 114(25):907–9 (Eng. Abstr.) **(Ger)**
[Possibilities in the diagnosis of anaerobic infections] Bernhardt H, et al. **Z Arztl Fortbild (Jena)** 1983; 77(22):913–8 **(Ger)**
[Rapid diagnosis of anaerobic infections using gas chromatography] Egerer K, et al. **Z Med Lab Diagn** 1983; 24(5):310–11 **(Ger)**
[Bacteriological diagnosis of enteric infections] Kist M. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Nov; 255(4):423–47 **(Ger)**
[Unusual cases of fever in West Bank Arabs] Heyd J, et al. **Harefuah** 1984 May 1;106(9):392–4 (Eng. Abstr.) **(Heb)**
[Use of celioscopy in the etiological diagnosis of pelvic inflammatory diseases due to aerobic and anaerobic germs] Marino L, et al. **Minerva Ginecol** 1984 Jun;36(6):343–7 (Eng. Abstr.) **(Ita)**
[Anaerobes: bacteriologic diagnosis] Dainelli B, et al. **Nuovi Ann Ig Microbiol** 1982 Mar–Jun;33(2–3):507–24 (Eng. Abstr.) **(Ita)**
[Comparison of the Sensititre diagnostic system and the Bauer–Kirby test of sensitivity to chemotherapeutic agents in agar, on bacterial strains isolated from urinary infections] Zitelli A, et al. **Quad Sclavo Diagn** 1982 Dec;18(4):463–71 (Eng. Abstr.) **(Ita)**
[Experimental and clinical studies on the detection of antibody-coated bacteria from urine] Kanimoto Y. **Nippon Hinyokika Gakkai Zasshi** 1983 Apr;74(4):529–46 (Eng. Abstr.) **(Jpn)**
[Diagnosis of neonatal bacterial meningitis] Imura S, et al. **No To Hattatsu** 1984;16(2):109–12 **(Jpn)**
[Clinical significance of the panic values in emergency laboratory tests—the panic values in bacteriological and serological tests] Mizunoya T. **Rinsho Byori** 1983 Dec;31 Suppl:151–4 **(Jpn)**
[Septic and non-septic olecranon bursitis. Symptoms, differential diagnosis and treatment] Johansen TE. **Tidsskr Nor Laegeforen** 1984 May 30;104(15):1059–61 (Eng. Abstr.) **(Nor)**
[Staphylococcal protein A in microbiological laboratory practice. II.] Negut M, et al. **Rev Ig [Bacteriol]** 1984 Jan–Mar;29(1):1–26 (132 ref.) **(Rum)**
[Identification of bacteria by the China ink immuno-reaction, a widely accessible procedure] Strati I. **Rev Ig [Bacteriol]** 1983 Oct–Dec;28(4):377–82 **(Rum)**
[Exploration of the nitroblue tetrazolium test in the newborn infant] Lupea I, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1983 Apr–Jun; 32(2):187–90 **(Rum)**
[Clinico-microbiological diagnosis of nonclostridial anaerobic infections in gynecology] Tsvelev IuV, et al. **Akush Ginekol (Mosk)** 1984 Feb;(2):62–4 (Eng. Abstr.) **(Rus)**
[Value of bacteriologic studies of the ejaculate in examining men in infertile marriages] Voronin IuT, et al. **Akush Ginekol (Mosk)** 1983 Sep;(9):45–7 (5 ref.) (Eng. Abstr.) **(Rus)**
[Phlegmon of the stomach] Gushcha AL, et al. **Klin Med (Mosk)** 1983 Aug;61(8):12–5 (30 ref.) (Eng. Abstr.) **(Rus)**
[Recurrent and chronic nature of sepsis in newborn infants and children under 1-year old] Sterligov LA, et al. **Pediatriia** 1984 May;(5):9–11 **(Rus)**
[Causes of prolonged diarrhea in infants] Tatochenko VK, et al. **Pediatriia** 1983 Aug;(8):49–50 **(Rus)**
[Evaluation of the sensitivity and diagnostic value of the carbon agglomeration test in acute intestinal infections in young children] Zaldastanishvili RV. **Pediatriia** 1983 Sep; (9):33–6 **(Rus)**
[Use of the NBT test for diagnosing endogenous infections in viral hepatitis] Naumova AM, et al. **Sov Med** 1984; (5):30–4 (Eng. Abstr.) **(Rus)**
[Early etiologic diagnosis of acute pneumonia] Shteingardt IuN, et al. **Ter Arkh** 1983;55(11):65–7 (Eng. Abstr.) **(Rus)**
[Use of the indirect hemagglutination test for the diagnosis and epidemiological analysis of acute intestinal diseases] Gennad'eva TIa, et al. **Tr Inst Pastera** 1981;56:32–44 (80 ref.) **(Rus)**
[Humoral and cellular immunologic tests in the evaluation of dysbacteriosis in acute intestinal diseases] Nuromskaia OA, et al. **Vrach Delo** 1984 Jan;(1):117–8 **(Rus)**
[A visit to the Center for Communicable Disease Control in Atlanta, USA in 1982. News in microbiology and epidemiology] Radojčić V. **Srp Arh Celok Lek** 1983 Mar; 111(3):387–95 **(Scc)**
[Clinical importance of the localization of urinary infections in childhood] Málaga S, et al. **An Esp Pediatr** 1983 Sep; 19 Suppl 19:34–40 **(Spa)**
[Recurrent bacterial meningitis: apropos of 21 patients with 64 episodes] Saballs Radresa P, et al. **Med Clin (Barc)** 1983 Oct 1;81(9):385–8 (Eng. Abstr.) **(Spa)**
[Immunologic principles of new vaccines and methods of bacterial diagnosis (editorial)] Grinstein S, et al. **Medicina (B Aires)** 1983;43(3):348–9 **(Spa)**
[Gammaencephalography with Tc-99m DTPA in the diagnosis of ventriculitis] Olea E, et al. **Rev Chil Pediatr** 1983 Jul–Aug;54(4):233–6 (Eng. Abstr.) **(Spa)**
[New microbiological technics (editorial)] Montiel F. **Rev Med Chil** 1983 Nov;111(11):1199–200 **(Spa)**
[Determination of lactate as a complement to clinical diagnosis of bacterial arthritis] Berghard G, et al. **Lakartidningen** 1984 Jan 4;81(1–2):40–3 **(Swe)**

DRUG THERAPY

Treatment of urinary tract infections in gynecological patients. A randomized study comparing pivampicillin-pivmecillinam with trimethoprim-sulphamethoxazole. Iosif CS, et al. **Acta Obstet Gynecol Scand** 1983;62(5):515–8
Acute otitis media in older children and adults treated with phenoxymethyl penicillin or erythromycin stearate. Bacteriological and immunological aspects. Rosén C, et al. **Acta Otolaryngol (Stockh)** 1983 Sep–Oct;96(3–4):247–53
Ceftriaxone therapy in pediatric patients. Harrison CJ, et al. **Am J Dis Child** 1983 Nov;137(11):1048–51
A primer for pediatricians on new cephalosporin antibiotics [editorial] Nelson JD. **Am J Dis Child** 1983 Nov; 137(11):1041–2
Ceftriaxone for the treatment of serious infections. Steele RW, et al. **Am J Dis Child** 1983 Nov;137(11):1044–7
Multicenter clinical trial of cefoperazone sodium in the United States. Cohen MS, et al. **Am J Med** 1984 Jul 31; 77(1B):35–41
Synergy between acylureidopenicillins and immunoglobulin G in experimental animals. Dalhoff A. **Am J Med** 1984 Mar 30;76(3A):91–100
Treatment of intraabdominal infection. Gorbach SL. **Am J Med** 1984 May 15;76(5A):107–10 (24 ref.)
Cefmenoxime. Clinical, bacteriologic, and pharmacologic studies. LeFrock JL, et al. **Am J Med** 1984 Jul;77(1):72–8
Current mechanisms of resistance to antimicrobial agents in microorganisms causing infection in the patient at risk for infection. Neu HC. **Am J Med** 1984 May 15;76(5A):11–27 (120 ref.)
Approaching the controversies in antibacterial management of cancer patients. Pizzo PA, et al. **Am J Med** 1984 Mar; 76(3):436–49
Limitations of current antimicrobial therapy in the immunosuppressed host: looking at both sides of the coin. Pizzo PA, et al. **Am J Med** 1984 Mar 30;76(3A):101–10 (111 ref.)
A randomized study of tobramycin plus ticarcillin, tobramycin plus cephalothin and ticarcillin, or tobramycin plus mezlocillin in the treatment of infection in neutropenic

patients with malignancies. Lawson RD, et al. **Am J Med Sci** 1984 Jan-Feb;287(1):16-23

In vitro and clinical evaluation of ceforanide. Lefrock JL, et al. **Am J Med Sci** 1984 Mar-Apr;287(2):21-5

Parenteral trimethoprim/sulfamethoxazole for gram-negative bacillary meningitis. McConville JH, et al. **Am J Med Sci** 1984 Mar-Apr;287(2):43-5

Assay of antimicrobial agents. Pezzlo M. **Am J Med Technol** 1983 Nov;49(11):779-82

Bacterial peritonitis. Protecting the high-risk patient. Jones LM, et al. **Am Surg** 1984 Jul;50(7):358-61

Prosthetic valve endocarditis caused by Legionella pneumophila. McCabe RE, et al. **Ann Intern Med** 1984 Apr;100(4):525-7

Cefotaxime compared with nafcillin plus tobramycin for serious bacterial infections. A randomized, double-blind trial. Smith CR, et al. **Ann Intern Med** 1984 Oct; 101(4):469-77

Antibiotic trials in intra-abdominal infections. A critical evaluation of study design and outcome reporting. Solomkin JS, et al. **Ann Surg** 1984 Jul;200(1):29-39 (70 ref.)

Anaerobic infection in the neutropenic host: anti-endotoxin effect of polymyxin. Bannatyne RM, et al. **Anticancer Res** 1984 May-Jun;4(3):169-70

Efficacy and safety of ceftriaxone in serious pediatric infections. Aronoff SC, et al. **Antimicrob Agents Chemother** 1983 Nov;24(5):663-6

In vitro activity of apalcillin compared with those of piperacillin and carbenicillin against 6,797 bacterial isolates from four separate medical centers. Barry AL, et al. **Antimicrob Agents Chemother** 1984 May;25(5):669-71

Randomized comparison of ceftazidime versus clindamycin-tobramycin in the treatment of obstetrical and gynecological infections. Blanco JD, et al. **Antimicrob Agents Chemother** 1983 Oct;24(4):500-4

Use of ceftazidime in the therapy of serious infections, including those due to multiresistant organisms. Clumeck N, et al. **Antimicrob Agents Chemother** 1983 Aug; 24(2):176-80

Imipenem versus moxalactam in the treatment of serious infections. Eron LJ, et al. **Antimicrob Agents Chemother** 1983 Dec;24(6):841-6

Cefmenoxime therapy of serious bacterial infections. Gombert ME, et al. **Antimicrob Agents Chemother** 1984 Apr;25(4):510-2

Prospective randomized trial of piperacillin monotherapy versus carboxypenicillin-aminoglycoside combination regimens in the empirical treatment of serious bacterial infections. Gribble MJ, et al. **Antimicrob Agents Chemother** 1983 Sep;24(3):388-93

Comparative efficacy of cefotiam versus cephalothin in the therapy of skin and soft tissue infections. Lentino JR, et al. **Antimicrob Agents Chemother** 1984 Jun;25(6):778-80

Penetration of ceftazidime into cerebrospinal fluid of patients with bacterial meningitis. Modai J, et al. **Antimicrob Agents Chemother** 1983 Jul;24(1):126-8

Double-blind comparative study of two dosage regimens of cefaclor and amoxicillin-clavulanic acid in the outpatient treatment of soft tissue infections. Pien FD. **Antimicrob Agents Chemother** 1983 Dec;24(6):856-9

Latamoxef and the newborn. de Louvois J, et al. **Arch Dis Child** 1984 Apr;59(4):346-50

Trimethoprim sulphamethoxazole in neonatal Flavobacterium meningosepticum infection. Linder N, et al. **Arch Dis Child** 1984 Jun;59(6):582-4

Piperacillin in early neonatal infection. Placzek M, et al. **Arch Dis Child** 1983 Dec;58(12):1006-9

Oral or parenteral antibiotic treatment in serious infections. Symonds J. **Arch Dis Child** 1984 Jun;59(6):501-3

Single daily dose treatment of severe refractory infections with ceftriaxone. Cost savings and possible parenteral outpatient treatment. Baumgartner JD, et al. **Arch Intern Med** 1983 Oct;143(10):1868-73

Progressive increase in antibiotic resistance of gram-negative bacterial isolates. Walter Reed Hospital, 1976 to 1980: specific analysis of gentamicin, tobramycin, and amikacin resistance. Cross AS, et al. **Arch Intern Med** 1983 Nov; 143(11):2075-80

Empiric therapy for infections in patients with granulocytopenia. Continuous v interrupted infusion of tobramycin plus cefamandole. Feld R, et al. **Arch Intern Med** 1984 May;144(5):1005-10

Clinical efficacy of ceftazidime. Treatment of serious infection due to multiresistant Pseudomonas and other gram-negative bacteria. Scully BE, et al. **Arch Intern Med** 1984 Jan;144(1):57-62

beta-Lactamase-producing bacteria recovered after clinical failures with various penicillin therapy. Brook I. **Arch Otolaryngol** 1984 Apr;110(4):228-31

Effects of vitamin A and beta carotene on intra-abdominal sepsis. Demetriou AA, et al. **Arch Surg** 1984 Feb; 119(2):161-5

Moxalactam. Evaluation of clinical bleeding in patients with abdominal infection. Joehl RJ, et al. **Arch Surg** 1983 Nov; 118(11):1259-61

Topical chlorhexidine diphosphanilate (WP-973) in burn wound sepsis. McManus AT, et al. **Arch Surg** 1984 Feb; 119(2):206-11

Infectious disease: new organisms, new diseases and expanding new antimicrobial agents. Petersen EA, et al. **Ariz Med** 1984 Jun;41(6):385-9 (33 ref.)

Ceftriaxone: therapeutic results in various infections and kinetic studies. Giamarellou HJ, et al. **Arzneimittelforsch** 1984;34(3):321-5

Treatment of hospital-acquired peritoneal dialysis infections with cefamandole. Weetman AP, et al. **Br J Clin Pract** 1984 Feb;38(2):53-6

Hemorrhagic tendency as a complication of Moxalactam therapy in bacterial meningitis. Chan-Lui WY, et al. **Brain Dev** 1983;5(4):417-20

Cephalosporins in adult meningitis. Beam TR Jr. **Bull NY Acad Med** 1984 May;60(4):380-93 (58 ref.)

The role of the newer beta-lactam antibiotics in the treatment of infection in compromised hosts. Greene WH. **Bull NY Acad Med** 1984 May;60(4):426-38 (34 ref.)

The nonprophylactic role of cephalosporins in obstetrics and gynecology. LeFrock JL, et al. **Bull NY Acad Med** 1984 May;60(4):416-25 (30 ref.)

The nonprophylactic role of cephalosporins in surgery. LeFrock JL, et al. **Bull NY Acad Med** 1984 May; 60(4):394-402 (30 ref.)

Possibilities for treating periodontal disease as specific anaerobic infections. Loesche WJ. **Can Dent Assoc J** 1984 Jun;50(6):467-72

Evaluation of lamoxactam in the treatment of severe bacterial infections. Bouza E, et al. **Chemotherapy** 1983;29(5):373-83

Laboratory and clinical studies of piperacillin. Wang F, et al. **Chin Med J [Engl]** 1983 Dec;96(12):885-92

Multiresistant Serratia marcescens peritonitis in a patient on continuous ambulatory peritoneal dialysis (CAPD) successfully treated with Azthreonam (S26,776) a new monobactam antibiotic [letter] Hortling L, et al. **Clin Nephrol** 1984 Jun;21(6):355

Evaluation of cefotaxime in bacterial infections. Varghese M, et al. **Clin Pediatr (Phila)** 1984 Apr;23(4):220-2

Treatment of chronic bacterial prostatitis. Hanus PM, et al. **Clin Pharm** 1984 Jan-Feb;3(1):49-55 (56 ref.)

A multicenter clinical study of cefoperazone. Alix M, et al. **Clin Ther** 1984;6(3):344-53

A comparative study of netilmicin-cefoxitin and gentamicin-cefoxitin in surgical patients with serious systemic infection. Bubrick MP, et al. **Clin Ther** 1983; 5(5):515-24

Evaluation of a new aminoglycoside antibiotic in the treatment of infections in neonates, infants, and children. Chiu TA, et al. **Clin Ther** 1983;6(1):94-102

Anaerobic bacteria isolated from foot infections in diabetic patients: in vitro susceptibility to nine antibiotics. Ginunas VJ, et al. **Clin Ther** 1984;6(4):457-60

In vitro microbiology and pharmacokinetics of piperacillin. Mandell GL. **Clin Ther** 1984;6 Suppl A:27-34

Clinical trial of bacampicillin in acute bacterial infections. Ogunyemi O. **Clin Ther** 1983;5(5):472-4

Effect of frequency of administration on therapeutic efficacy of cefotaxime. Parker RH. **Clin Ther** 1984;6(4):488-99

Clinical evaluation of cefamandole in childhood infections. Paul RS, et al. **Clin Ther** 1983;5(6):617-23

Five cephalosporins: pharmacokinetics and their relation to antibacterial potency. Sohn C, et al. **Clin Ther** 1984; 6(4):560-70

A clinical evaluation of piperacillin in intra-abdominal infections. Wittmann DH. **Clin Ther** 1984;6 Suppl A:35-44

Oral antibiotics in pediatric patients. Malian M, et al. **Compr Ther** 1983 Dec;9(12):24-30 (12 ref.)

Ceforanide compared with cefazolin in skin and soft tissue infections. Parish LC, et al. **Cutis** 1984 Mar;33(3):313-5, 319

Principles of anti-infective therapy. Montgomery EH, et al. **Dent Clin North Am** 1984 Jul;28(3):423-32

Third-generation and investigational cephalosporins: II. Microbiologic review and clinical summaries. Garzone P, et al. **Drug Intell Clin Pharm** 1983 Sep;17(9):615-22 (99 ref.)

Tinidazole v. metronidazole. **Drug Ther Bull** 1983 Nov 18; 21(23):90-2

Antimicrobial drugs used in the management of anaerobic infections in children. Brook I. **Drugs** 1983 Dec;26(6):520-9 (61 ref.)

A clinical and bacteriological evaluation of Augmentin: a new broad spectrum antibiotic in general practice. Hansrod D, et al. **East Afr Med J** 1983 Nov;60(11):778-82

Use of cefotaxime at Kenyatta National Hospital. Shah MV, et al. **East Afr Med J** 1983 Mar;60(3):196-9

Role of antimicrobial synergism in infected granulocytopenic patients. Standiford HC, et al. **Eur J Cancer Clin Oncol** 1984 Aug;20(8):1007-10

Siderophores as antimicrobial agents. Jones RL, et al. **Eur J Clin Microbiol** 1983 Oct;2(5):411-3

Treatment of gram-negative bacillary septicemia with cefoperazone. Lagast H, et al. **Eur J Clin Microbiol** 1983 Dec;2(6):554-8

Once-daily administration of ceftriaxone in the treatment of meningitis and other serious infections in children. Martin E. **Eur J Clin Microbiol** 1983 Oct;2(5):509-15

Another look at trimethoprim-sulfamethoxazole: its role in parenteral therapy. Sattler FR, et al. **Eur J Clin Microbiol** 1984 Jun;3(3):174-6

The potential uses of ceftriaxone. Scheld WM. **Eur J Clin Microbiol** 1983 Oct;2(5):485-8

Cefoxitin in newborn infants. A clinical and pharmacokinetic study. Regazzi MB, et al. **Eur J Clin Pharmacol** 1983; 25(4):507-9

Successful treatment of neonatal Flavobacterium meningosepticum infection. Kaplan M, et al. **Eur J Pediatr** 1983 Sep;140(4):337-8

Therapeutic effectiveness of L 105, given in three pediatric formulations, as an intestinal antibacterial agent. Lombardo S, et al. **Farmaco [Prat]** 1984 May;39(5):170-5

Antibiotics in the treatment of biliary infection. Dooley JS, et al. **Gut** 1984 Sep;25(9):988-98 (71 ref.)

Antimicrobial therapy in newborn infants. Bhat M. **Indian J Pediatr** 1983 Mar-Apr;50(403):183-93

Chloramphenicol therapy in the neonate. Paul VK. **Indian J Pediatr** 1983 Jul-Aug;50(405):405-7

The pharmacology of aminoglycosides: II. Distinctions among the agents. Geller RJ, et al. **Infect Control** 1984 Jun;5(6):298-302 (43 ref.)

What do beta-lactamases mean for clinical efficacy? Neu HC. **Infection** 1983;11 Suppl 2:S74-80

The use of moxalactam in the treatment of serious infections due to multi-resistant organisms. Srinivasan S, et al. **Infection** 1983 Nov-Dec;11(6):291-5

Moxalactam therapy of serious infections. Van der Auwera P, et al. **Infection** 1983 Jul-Aug;11(4):212-8

Evaluation of domifen bromide in the treatment of acute infectious oral diseases. Scaglione F, et al. **Int J Clin Pharmacol Res** 1983;3(4):261-4

Activity and tolerability of domifen bromide in patients affected by acute infectious dental diseases: a double-blind placebo-controlled trial. Scaglione F, et al. **Int J Clin Pharmacol Res** 1983;3(5):357-61

Cefotaxime in the treatment of lower respiratory tract infections. Beumer HM, et al. **Int J Clin Pharmacol Ther Toxicol** 1983 Dec;21(12):605-10

Double-blind comparative trial of trimethoprim/sulfamethopyrazine once daily vs erythromycin 4 X daily in patients with ENT infections. Federspil P, et al. **Int J Clin Pharmacol Ther Toxicol** 1983 Oct;21(10):535-9

Empiric antibiotic therapy with an amikacin-carbenicillin-cefoxitin combination in granulocytopenic febrile patients--a clinical report. Fernández-Rañada J, et al. **Int J Clin Pharmacol Ther Toxicol** 1983 Oct;21(10):511-3

Use of ceftazidime in the treatment of severe localized and systemic infections. Gabrielli GB, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 Mar;22(3):167-9

Comparison between the combination of azlocillin-gentamicin and ampicillin-gentamicin in the treatment of a nursery population. Fogel D, et al. **Isr J Med Sci** 1983 Nov;19(11):1009-15

Therapy of acute bacterial infections with cefaclor in a pediatric population: an open assessment. Iancu TC, et al. **Isr J Med Sci** 1983 Nov;19(11):998-1000

Replacement of gentamicin by amikacin as a means of decreasing gentamicin resistance of gram-negative rods in a neonatal intensive care unit. Wielunsky E, et al. **Isr J Med Sci** 1983 Nov;19(11):1006-8

Topical metronidazole therapy for pressure sores of geriatric patients. Gomolin IH, et al. **J Am Geriatr Soc** 1983 Nov; 31(11):710-2

Ceftazidime: a new approach in the treatment of moderate and severe infections. Abbas AM, et al. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:147-52

Ceftazidime in clinical practice. Alestig K, et al. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:111-4

An open study of ceftazidime in the treatment of serious bacterial infection. Allan SG, et al. **J Antimicrob Chemother** 1983 Sep;12(3):219-27

C-reactive protein measurement: a reliable method of diagnosing and monitoring the infected newborn for the assessment of a mezlocillin therapeutic trial. Alt R, et al. **J Antimicrob Chemother** 1983 May;11 Suppl C:51-5

Comparative study of imipenem in severe infections. Baumgartner JD, et al. **J Antimicrob Chemother** 1983 Dec; 12 Suppl D:141-8

Ceftazidime therapy for serious infections. Bint AJ, et al. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:115-21

Evaluation of ceftazidime in the treatment of severe bacterial infection. Bouza E, et al. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:153-9

Twice daily ceftriaxone therapy for serious bacterial infections in children. Chonmaitree T, et al. **J Antimicrob Chemother** 1984 May;13(5):511-6

A comparison of ceftazidime and tobramycin in the treatment of complicated urinary tract infections. Cox CE. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:47-52

Ceftazidime in the treatment of febrile immunosuppressed children. Darbyshire PJ, et al. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:357-60

Netilmicin versus tobramycin in multi-centre studies. Daschner FD, et al. **J Antimicrob Chemother** 1984 Jan;13 Suppl A:37-45

Clinical, bacteriological and pharmacokinetic results from an open trial of sultamicillin in patients with acute exacerbations of chronic bronchitis. Davies BI, et al. **J Antimicrob Chemother** 1984 Feb;13(2):161-70

A comparative study of the efficacy and safety of azlocillin and gentamicin in the treatment of serious infections. del Rosal PL. **J Antimicrob Chemother** 1983 May;11 Suppl B:159-67

Randomized study of ceftazidime versus gentamicin plus cefotaxime for infections in severe granulocytopenic patients. de Pauw BE, et al. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:93-9

Ceftriaxone therapy of serious bacterial infections. Eron LJ,

et al. **J Antimicrob Chemother** 1983 Jul;12(1):65–78
A randomized study of ceftazidime compared to ceftazidime and tobramycin for the treatment of infections in cancer patients. Fainstein V, et al. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:101–10
Ceftazidime: aspects of efficacy and tolerance. Foord RD. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:399–403
Ceftazidime in severe infections: a Swiss multicentre study. Francioli P, et al. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:139–46
Ceftazidime, as a single antibiotic, in the treatment of multi-resistant Gram-negative infections in intensive care. Gasparetto A, et al. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:171–5
Ceftazidime in intensive care medicine and haemofiltration. Gravert C, et al. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:177–80
Rifampicin-containing antibiotic combinations in the treatment of difficult infections. Grüneberg RN, et al. **J Antimicrob Chemother** 1984 Jun;13 Suppl C:49–55
The results of a randomized trial of empirical antibiotic treatment in febrile neutropenic patients with four beta-lactam/aminoglycoside combinations. Hann I, et al. **J Antimicrob Chemother** 1983 May;11 Suppl C:57–63
A prospective, randomized study of amikacin and gentamicin in serious infections with focus on efficacy, toxicity and duration of serum levels above the MIC. Holm SE, et al. **J Antimicrob Chemother** 1983 Oct;12(4):393–402
Comparative efficacy and tolerance study of azlocillin and carbenicillin in patients with cystic fibrosis: a double blind study. Huang NN, et al. **J Antimicrob Chemother** 1983 May; 11 Suppl B:205–14
The use of combinations of trimethoprim and sulphonamides in the treatment of chest infections. Hughes DT. **J Antimicrob Chemother** 1983 Nov;12(5):423–34
Clinical evaluation of ceftazidime in Japan. Ishibiki K. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:123–30
The key role of aminoglycosides in antibacterial therapy and prophylaxis. Jackson GG. **J Antimicrob Chemother** 1984 Jan;13 Suppl A:1–7 (15 ref.)
The clinical versatility of aminoglycosides. Jackson GG. **J Antimicrob Chemother** 1984 Jan;13 Suppl A:47–9
Clinical experience with ceftazidime in urology in Japan. Kawamura N. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:65–70
Prospective randomized comparative studies of mezlocillin/cefotaxime vs. gentamicin/cefoxitin. Kosmidis J, et al. **J Antimicrob Chemother** 1983 May;11 Suppl C:91–5
Clinical experience with netilmicin. Lane AZ. **J Antimicrob Chemother** 1984 Jan;13 Suppl A:67–72
In-vitro and in-vivo comparison of mezlocillin and cefoxitin. LeFrock JL, et al. **J Antimicrob Chemother** 1983 May;11 Suppl C:83–90
Combination therapy with beta-lactam antibiotics [editorial] Lode H. **J Antimicrob Chemother** 1983 Sep;12(3):200–3
Ceftazidime in the treatment of complicated respiratory and urinary tract infections. Loebis LH, et al. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:39–64
Pharmacokinetic and bacteriological correlations between antimicrobial therapy of experimental meningitis in rabbits and meningitis in humans: a review. McCracken GH Jr. **J Antimicrob Chemother** 1983 Dec;12 Suppl D:97–108 (22 ref.)
Randomized, double-blind evaluation of azlocillin for the treatment of pulmonary exacerbations of cystic fibrosis. McLaughlin FJ, et al. **J Antimicrob Chemother** 1983 May; 11 Suppl B:195–203
Complicated urinary tract infections treated with ceftazidime and tobramycin: a comparative study. Madsen PO, et al. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:77–9
Brodimoprim in acute exacerbations of chronic bronchitis: a clinical and bacteriological pilot study [letter] Maesen FP, et al. **J Antimicrob Chemother** 1984 Mar;13(3):299–30
A multicentre prospective randomized trial comparing ceftazidime with cefazolin/tobramycin in the treatment of hospitalized patients with non-pneumococcal pneumonia. Mandell LA, et al. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:9–20
Comparative clinical trial of imipenem-cilastatin (N-formimidoyl-thienamycin-dehydropeptidase inhibitor) and cefazolin. Marier RL, et al. **J Antimicrob Chemother** 1983 Dec;12 Suppl D:133–9
Ceftazidime as a single agent in the management of children with fever and neutropenia. Morgan G, et al. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:347–51
Ceftazidime: pharmacokinetics in young volunteers versus elderly patients and therapeutic efficacy with complicated urinary tract infections. Naber KG, et al. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:41–5
Clinical perspectives on imipenem. Neu HC. **J Antimicrob Chemother** 1983 Dec;12 Suppl D:149–53
The use of azlocillin to treat serious infections. Neu HC, et al. **J Antimicrob Chemother** 1983 May;11 Suppl B:141–7
Netilmicin in the treatment of immunocompromised patients. Noone P. **J Antimicrob Chemother** 1984 Jan;13 Suppl A:51–8
Ceftazidime in clinical practice – a summary. Norrby SR. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:405–8
Open study of ceftazidime in serious infections due to multiply-resistant bacteria. Pechère JC, et al. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:181–8
Ceftazidime in the therapy of serious Gram-negative bacillary infections. Pottage JC Jr, et al. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:223–8
A preliminary pharmacokinetic study of ceftazidime in premature, new born and small infants. Prinsloo JG, et al. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:361–4
Early results of a comparative trial of ceftazidime versus cephalothin, carbenicillin and gentamicin in the treatment of febrile granulocytopenic patients. Ramphal R, et al. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:81–8
Ceftazidime compared to tobramycin and ticarcillin in immunocompromised haematological patients. Reilly JT, et al. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:89–92
A randomized study comparing clinical efficacy and safety of thienamycin formamidine (MK0787)/renal dipeptidase inhibitor (MK0791) and cefazolin. Ribner BS, et al. **J Antimicrob Chemother** 1983 Oct;12(4):387–91
Comparative clinical evaluation of azlocillin and gentamicin. Sabbaj J, et al. **J Antimicrob Chemother** 1983 May;11 Suppl B:175–81
Therapeutic effect of cefotetan in an experimental local infection with facultative and obligate anaerobes in granuloma pouches in rats. Saito M, et al. **J Antimicrob Chemother** 1984 Feb;13(2):133–42
International clinical experience with azlocillin. Schacht P, et al. **J Antimicrob Chemother** 1983 May;11 Suppl B:215–22
Evaluation of azlocillin in vitro and in discriminative animal models of infection. Scheld WM, et al. **J Antimicrob Chemother** 1983 May;11 Suppl B:51–68
Clinical evaluation of ceftazidime in internal medicine in Japan. Shimada K. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:395–7
Ceftazidime or gentamicin plus benzylpenicillin in neonates less than forty-eight hours old. Snelling S, et al. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:353–6
Netilmicin prophylaxis in open-heart surgery. Stanbridge TN, et al. **J Antimicrob Chemother** 1984 Jan;13 Suppl A:59–65
Broad spectrum beta-lactam combinations--a new principle of antibacterial treatment. Stille W. **J Antimicrob Chemother** 1983 May;11 Suppl B:149–51
Experience with ceftazidime in obstetrics and gynaecology in Japan. Takase Z. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:383–7
Ceftazidime treatment in intensive care patients. van Dalen R, et al. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:189–97
A comparative study of the efficacy of ceftazidime versus cefazolin and tobramycin in patients with acute exacerbations of chronic bronchitis. Vetter N, et al. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:35–9
Future perspectives of aminoglycoside therapy. Waldvogel FA. **J Antimicrob Chemother** 1984 Jan;13 Suppl A:73–8
The evaluation of ceftazidime in the treatment of bacterial infections in eighty seriously ill patients. Walstad RA, et al. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:131–7
A comparison of the old and new antibiotics. Hinthorn DR. **J Arkansas Med Soc** 1983 Nov;80(6):243–8
A comparative study of various antibacterial drugs in lower respiratory tract infections and pneumonias in adults. Kamat SR, et al. **J Assoc Physicians India** 1983 Apr; 31(4):209–15
Metronidazole in pulmonary anaerobic infection. Nigam P, et al. **J Assoc Physicians India** 1983 Dec;31(12):779–81
Combination of amikacin and carbenicillin with or without cefazolin as empirical treatment of febrile neutropenic patients.The International Antimicrobial Therapy Project Group of the European Organization for Research and Treatment of Cancer. **J Clin Oncol** 1983 Oct;1(10):597–603
Cefamandole therapy in hand infections. Robson MC, et al. **J Hand Surg** 1983 Sep;8(5 Pt 1):560–2
Established hand infections: a controlled, prospective study. Stern PJ, et al. **J Hand Surg** 1983 Sep;8(5 Pt 1):553–9
A clinical appraisal of flucloxacillin in the management of skin and soft tissue infections in Nigeria. Duncan JT. **J Int Med Res** 1984;12(3):210–5
Clinical use and efficacy of Furacin: a historical perspective. Hooper G, et al. **J Int Med Res** 1983;11(5):289–93 (33 ref.)
Moxalactam therapy of difficult infections in patients with serious underlying conditions. Mogabgab WJ, et al. **J Int Med Res** 1983;11(5):269–78
Recent developments in antimicrobial therapy with beta-lactam antibiotics. Beam TR Jr. **J Med** 1983; 14(4):307–36 (15 ref.)
Cefotaxime therapy for serious infections. Tanphaichitra D, et al. **J Med Assoc Thai** 1984 Feb;67(2):108–10
Developmental pharmacokinetics of mezlocillin in newborn infants. Janicke DM, et al. **J Pediatr** 1984 May; 104(5):773–81
Current concepts of antimicrobial therapy. I. Pickering LK, et al. **J Trop Pediatr** 1984 Apr;30(2):119–22
Current concepts of antimicrobial therapy—2. Pickering LK, et al. **J Trop Pediatr** 1984 Jun;30(3):172–6 (21 ref.)
Imipenem/cilastatin versus gentamicin/clindamycin for treatment of serious bacterial infections. Report from a Scandinavian Study Group. **Lancet** 1984 Apr 21; 1(8382):868–71
Penicillin in the treatment of skin sores in children. Bower M, et al. **Med J Aust** 1984 Apr 28;140(9):528–30
Cephalosporin antibiotic agents. Kemp R. **Med J Aust** 1984 Sep 29;141(7):437–42
Current clinical applications and dose regimens of metronidazole and related nitroimidazoles. McLean AJ, et al. **Med J Aust** 1984 Aug 4;141(3):163–6
Drugs for anaerobic infections. **Med Lett Drugs Ther** 1984 Sep 28;26(671):87–9
Ceftizoxime sodium (Cefizox). **Med Lett Drugs Ther** 1983 Dec 9;25(650):109–10
Saving on soaks [letter] Dillon RS. **N Engl J Med** 1984 Aug 23;311(8):540–1
Implementation of a computer assisted drug monitoring program in a community hospital. Boon SE, et al. **Nebr Med J** 1983 Oct;68(10):334–7
Treatment of peritonitis in continuous ambulatory peritoneal dialysis patients with co-trimoxazole. Glasson P, et al. **Nephron** 1984;36(1):65–7
Antimicrobial prescribing errors in children. Grimwood K, et al. **NZ Med J** 1983 Oct 26;96(742):785–7
Experience with the third generation cephalosporins, cefoperazone and cefotaxime: report. Reddy J. **NZ Med J** 1984 May 9;97(755):293–6
Antimicrobial therapy of febrile children with malignancies and possible sepsis. Frazier JP, et al. **Pediatr Infect Dis** 1984 Jan-Feb;3(1):40–5
Simplified gentamicin dosing in neonates: a time- and cost-efficient approach. Leff RD, et al. **Pediatr Infect Dis** 1984 May-Jun;3(3):208–12
Cefuroxime: a cephalosporin with unique applicability to pediatric practice. Nelson JD. **Pediatr Infect Dis** 1983 Sep-Oct;2(5):394–6 (24 ref.)
Efficacy and safety of ceforanide in the treatment of childhood infections. Thirumoorthi MC, et al. **Pediatr Infect Dis** 1983 Sep-Oct;2(5):377–80
Bacteriology and treatment of purulent nasopharyngitis: a double blind, placebo-controlled evaluation. Todd JK, et al. **Pediatr Infect Dis** 1984 May-Jun;3(3):226–32
Pharmacokinetics of antimicrobial drugs in the cerebrospinal fluid. Skopnik H, et al. **Pediatr Pharmacol (New York)** 1983; 3(3–4):313–20
Ceftizoxime: a beta-lactamase-stable, broad-spectrum cephalosporin. Pharmacokinetics, adverse effects and clinical use. Neu HC. **Pharmacotherapy** 1984 Mar-Apr; 4(2):47–60 (116 ref.)
The role of chloramphenicol in pediatric therapy. Kauffman RE. **Prog Clin Biol Res** 1983;135:315–27
Diagnosis and treatment of bacterial meningitis. Thys JP. **Resuscitation** 1984 Mar;11(3–4):243–8
The use of rifampin in the treatment of nontuberculous infections. Symposium held in San Francisco, California April 1982. **Rev Infect Dis** 1983 Jul-Aug;5 Suppl 3:S399–632
Use of rifampin for the treatment of serious staphylococcal and gram-negative bacillary infections. Acar JF, et al. **Rev Infect Dis** 1983 Jul-Aug;5 Suppl 3:S502–6
Prospective, randomized, comparative trials in the therapy for intraabdominal and female genital tract infections. Harding GK, et al. **Rev Infect Dis** 1984 Mar-Apr;6 Suppl 1:S283–92
The use of rifampin in the treatment of nontuberculous infections: an overview. Sande MA. **Rev Infect Dis** 1983 Jul-Aug;5 Suppl 3:S399–401
Antibiotic therapy in acute infections of bone and joints in children. Learmonth ID, et al. **S Afr Med J** 1984 Jan 28; 65(4):121–2
Treatment of septic burns with a third-generation cephalosporin (cefatriaxon). Theron EJ, et al. **S Afr Med J** 1983 Nov 12;64(21):816–7
Infections as a problem in the intensive care unit. Andersen R. **Scand J Gastroenterol [Suppl]** 1984;90:83–8
Cholecystitis—etiology and treatment—microbiological aspects. Bjorvatn B. **Scand J Gastroenterol [Suppl]** 1984; 90:65–70
Antimicrobial therapy for anaerobic infections. Finegold SM. **Scand J Gastroenterol [Suppl]** 1984;91:61–72
Management of surgical infections. Kosmidis J. **Scand J Gastroenterol [Suppl]** 1984;90:71–5
Efficacy of metronidazole and fosfomycin alone and in combination in the treatment of experimentally induced intra-abdominal infections. Nord CE, et al. **Scand J Gastroenterol [Suppl]** 1984;90:15–9
Anaerobic infections—the most important antimicrobial drugs and their clinical profile. Solberg CO. **Scand J Gastroenterol [Suppl]** 1983;85:14–22 (12 ref.)
Patterns of antimicrobial therapy for pediatric patients. Kjellman B, et al. **Scand J Infect Dis** 1984;16(1):103–9
Metronidazole in treatment of non-specific vaginitis. Clinical and microbiological findings in ten patients given 2 grams of metronidazole. Blackwell A, et al. **Scand J Infect Dis [Suppl]** 1983;40:103–6
Treatment of maxillary sinusitis. Ekedahl C. **Scand J Infect Dis [Suppl]** 1983;39:56–8
Some non-bacteriological determinants and implications of antibiotic use in upper respiratory tract illness. Howie JG. **Scand J Infect Dis [Suppl]** 1983;39:68–72
Advances in the prophylaxis and treatment of infections in immunocompromised patients (a symposium). Lausanne, 11. 3. 1983. **Schweiz Med Wochenschr [Suppl]** 1983;14:1–75
Rational basis for the choice of regimens for empirical therapy of sepsis in granulocytopenic patients. A report of the EORTC International Antimicrobial Therapy Project Group. Gaya H. **Schweiz Med Wochenschr [Suppl]** 1983;14:49–57
The role of the new penicillins and cephalosporins in the management of infection in granulocytopenic patients. Klastersky J. **Schweiz Med Wochenschr [Suppl]** 1983;

14:64–9

Antibiotic combinations for the empiric treatment of the febrile neutropenic patient. Walsh TJ, et al. **Schweiz Med Wochenschr [Suppl]** 1983;14:58–63

Augmentin (Amoxycillin and clavulanic acid) in the treatment of urinary tract infections and skin and soft tissue infections. Tan TH, et al. **Singapore Med J** 1983 Oct; 24(5):299–302

A comparative study of cefamandole versus gentamicin plus clindamycin in the treatment of documented or suspected bacterial peritonitis. Busuttil RW, et al. **Surg Gynecol Obstet** 1984 Jan;158(1):1–8

Mezlocillin therapy in children. Kanra G, et al. **Turk J Pediatr** 1983 Apr–Jun;25(2):119–124

Long-term oral treatment of urinary tract infections with single daily doses of a new antibacterial drug combination (Kelfiprim). von Niederhäusern W, et al. **Urol Res** 1983; 11(4):181–5

In-vitro activity of augmentin against clinically important gram-positive and gram-negative bacteria in comparison with other antibiotics. Focht J, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 Apr; 256(4):523–30

[Clinical effect of amikacin. Report of 31 cases] Du JZ. **Chung Hua Nei Ko Tsa Chih** 1983 Jul;22(7):418–21 (Eng. Abstr.) **(Chi)**

[A survey of views on the mechanism of the therapeutic effect of emetine in microbial and viral diseases] Synek P. **Cas Lek Cesk** 1984 May 4;123(18):547–8 (Eng. Abstr.) **(Cze)**

[Cefoperazone in the treatment of bacterial meningitis in young children] Havlík J, et al. **Cesk Pediatr** 1984 Apr; 39(4):221–2 (Eng. Abstr.) **(Cze)**

[The use of antimicrobial agents in a nursing home] Cools HJ. **Ned Tijdschr Geneeskd** 1984 Feb 18;128(7):299–302 (Eng. Abstr.) **(Dut)**

[Gentamycin dosage interval in premature infants] Van de Bor M, et al. **Tijdschr Kindergeneeskd** 1984 Apr;52(2):50–2 (Eng. Abstr.) **(Dut)**

[Fosfomycin in severe infection in neonatology] Rossignol S, et al. **Ann Pediatr (Paris)** 1984 May;31(5):437–44 (Eng. Abstr.) **(Fre)**

[Materno-fetal infections in the newborn. A plea for the ampicillin-kanamycin combination] Borderon JC, et al. **Arch Fr Pediatr** 1983 Dec;40(10):755–6 **(Fre)**

[Viral keratoconjunctivitis, traumatic infectious keratitis and cortisone] Chassaing-Brive J. **Bull Soc Ophtalmol Fr** 1983 Jun–Jul;83(6–7):841–2 **(Fre)**

[Results of treating infections of the cervical mucosa with doxycycline polyphosphate in 53 infertile women] Buvat J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1984; 13(1):81–5 (Eng. Abstr.) **(Fre)**

[Evaluation of the clinical activity of cefotiam (SCE 963). Multicentric study in 7 centers] Bryskier A, et al. **Pathol Biol (Paris)** 1983 May;31(5):328–35 (Eng. Abstr.) **(Fre)**

[Influence of cefoperazone on the fecal flora in children] Lambert-Zechovsky N, et al. **Pathol Biol (Paris)** 1984 May; 32(5):439–42 (Eng. Abstr.) **(Fre)**

[Evaluation of ceftriaxone (R013–9904) in the treatment of septicemia caused by gram-negative bacilli] Naessens A, et al. **Pathol Biol (Paris)** 1983 May;31(5):362–5 (Eng. Abstr.) **(Fre)**

[Comparative double-blind clinical study of co-tetroxazine and amoxicillin in common ENT infections] Zbären P, et al. **Praxis** 1983 Nov 22;72(47):1491–3 (Eng. Abstr.) **(Fre)**

[Role of azlocillin in the treatment of immunocompromised patients. Results of the EORTC (European Organization for Research on the Treatment of Cancer) study)] Jacquillat C, et al. **Presse Med** 1984 Mar 29;13(13):838–40 (Eng. Abstr.) **(Fre)**

[Empiric antibiotic therapy in granulopenic patients] Klastersky J. **Presse Med** 1984 Apr 21;13(17):1067–9 **(Fre)**

[Evaluation of the clinical activity of azlocillin. A multicenter study conducted in 14 centers] Konopka CA. **Presse Med** 1984 Mar 29;13(13):808–11 (Eng. Abstr.) **(Fre)**

[Current therapeutic indications of aminoglycosides] Modai J. **Presse Med** 1984 Apr 14;13(16):991–5 (20 ref.) (Eng. Abstr.) **(Fre)**

[Activity of doxycycline in ORL infections] **Rev Laryngol Otol Rhinol (Bord)** 1984;105(2):137–42 **(Fre)**

[Gram negative infections and antibiotic monotherapy] Ekoe JM, et al. **Schweiz Rundsch Med Prax** 1984 Jan 24; 73(4):115–9 (Eng. Abstr.) **(Fre)**

[The practicing physician faced with an infectious pulmonary lesion] Regamey C. **Ther Umsch** 1984 May;41(5):324–9 (Eng. Abstr.) **(Fre)**

[Therapy of acute infectious diarrhea (letter)] Bockemühl J, et al. **Dtsch Med Wochenschr** 1983 Dec 9;108(49): 1896–8 **(Ger)**

[Rational and economic antibiotics therapy in medical practice and outpatient clinics] Münch R, et al. **Dtsch Med Wochenschr** 1984 May 25;109(21):834–40 **(Ger)**

[Acute and chronic biliary tract infections. Studies of the therapeutic effect of a new broad-spectrum cephalosporin] Eisenburg J. **Fortschr Med** 1983 Aug 25; 101(31–32):1407–12 (Eng. Abstr.) **(Ger)**

[Local antibiotic therapy of intrathoracic surgical infections in childhood] Willital GH. **Fortschr Med** 1983 Sep 22; 101(36):1631–4 **(Ger)**

[Clinical studies of the efficacy and tolerance of cefotaxime, ceftizoxime and ceftriaxone in patients with complicated urinary tract infections] Westenfelder M, et al. **Infection** 1983 Nov–Dec;11(6):296–301 (Eng. Abstr.) **(Ger)**

[Diagnosis, prevention and treatment of infections of bacterial, fungal and viral origin in immunocompromised patients] Kurrle E, et al. **Onkologie** 1984 Feb;7 Suppl 1:37–45 (Eng. Abstr.) **(Ger)**

[Microbiologic principles of antibiotic therapy] Gerber AU. **Schweiz Med Wochenschr** 1984 Apr 14;114(15):506–14 (Eng. Abstr.) **(Ger)**

[Analysis of antibiotic therapy in 500-bed hospital: indications, administration and possibilities of cost reduction] Schaefer K, et al. **Schweiz Med Wochenschr** 1983 Nov 19;113(46):1714–9 (Eng. Abstr.) **(Ger)**

[Role of the microbiology laboratory in antibiotic therapy] Auckenthaler R. **Ther Umsch** 1984 May;41(5):313–7 (Eng. Abstr.) **(Ger)**

[Basic aspects of antibiotic therapy] Gerber AU. **Ther Umsch** 1984 May;41(5):306–12 (Eng. Abstr.) **(Ger)**

[Anti-infective therapy of upper respiratory tract infections] Gnehm HE. **Ther Umsch** 1984 May;41(5):318–23 (Eng. Abstr.) **(Ger)**

[Antibiotic therapy of acute bacterial diarrheal diseases] Keller H. **Ther Umsch** 1984 May;41(5):349–53 (Eng. Abstr.) **(Ger)**

[Antibiotic therapy of bacterial meningitis] Schaad UB. **Ther Umsch** 1984 May;41(5):335–41 (Eng. Abstr.) **(Ger)**

[Chemotherapy of severe bacterial infections in pediatrics] Guggenbichler JP. **Wien Klin Wochenschr [Suppl]** 1983; 142:20–4 (Eng. Abstr.) **(Ger)**

[Antibacterial chemotherapy in impaired renal function] Zazgornik J. **Wien Klin Wochenschr [Suppl]** 1983;142:15–7 (Eng. Abstr.) **(Ger)**

[Sporeless anaerobic bacteria with special reference to resistance testing and resistance behavior] Wolter M. **Z Arztl Fortbild (Jena)** 1983;77(22):919–23 **(Ger)**

[Effectiveness of fusidic acid alone and in combination with hydrocortisone-17-butyrate in infected dermatoses] Enderer K, et al. **Z Hautkr** 1984 Feb 1;59(3):151–4 (Eng. Abstr.) **(Ger)**

[Use of antibiotics in newborn infants following premature rupture of fetal membranes] Grauel EL, et al. **Zentralbl Gynakol** 1984;106(11):771–3 **(Ger)**

[Treatment of vulvovaginitis in children and adolescents with metronidazole] Scharp H, et al. **Zentralbl Gynakol** 1984; 106(6):374–8 (Eng. Abstr.) **(Ger)**

[The value of penicillin in the therapy of neonatal infections] Sitka U, et al. **Zentralbl Gynakol** 1984;106(11):765–70 **(Ger)**

[Antibiotic treatment—old and new] Raz R, et al. **Harefuah** 1983 Mar 1;104(5):211–3 **(Heb)**

[Experience with the newest cephalosporins] Graber H, et al. **Orv Hetil** 1984 Jan 22;125(4):211–5 (Eng. Abstr.) **(Hun)**

[Use of acrylic cement with an antibiotic in prosthetic surgery of the hip] Fontanesi G, et al. **Chir Organi Mov** 1982–83; 68(3):287–95 (Eng. Abstr.) **(Ita)**

[Therapeutic efficacy of the parenteral administration of cefoxitin in severe acute bacterial infections in the adult. Further clinical studies conducted in a department of internal medicine] Comelli AM, et al. **Clin Ter** 1983 Dec 15;107(5):387–91 (Eng. Abstr.) **(Ita)**

[Clinical applications of cefotetan in inernal infections] Altucci P, et al. **G Ital Chemioter** 1984 Jan–Aug; 31(1–2):113–20 (Eng. Abstr.) **(Ita)**

[Multicenter study on the efficacy and tolerance of josamycin in adults and children] Bonino S, et al. **G Ital Chemioter** 1983 May–Dec;30(2–3):153–9 (Eng. Abstr.) **(Ita)**

[Clinical study of the efficacy and tolerability of a combination netilmicin and cefotaxime in the treatment of severe infections] Cristiano P, et al. **G Ital Chemioter** 1984 Jan–Aug;31(1–2):153–6 (Eng. Abstr.) **(Ita)**

[Preliminary observations in the treatment of various infections with netilmicin] Delaini C, et al. **G Ital Chemioter** 1984 Jan–Aug;31(1–2):207–10 **(Ita)**

[Cefotetan: microbiologic, kinetic and clinical aspects] Di Nola F, et al. **G Ital Chemioter** 1984 Jan–Aug; 31(1–2):101–11 (Eng. Abstr.) **(Ita)**

[Relation between concentrations of ceftizoxime in bile and the gallbladder wall and blood levels and clinical application of the drug to surgical patients] Ferri O, et al. **G Ital Chemioter** 1984 Jan–Aug;31(1–2):121–5 (Eng. Abstr.) **(Ita)**

[Clinical evaluation of chemotherapy with cefoperazone in relation to pharmacokinetics and antimicrobial action] Novelli A, et al. **G Ital Chemioter** 1982 Jul–Dec; 29(2):109–20 (Eng. Abstr.) **(Ita)**

[Norfloxacin: a new oral chemotherapeutic agent effective against multi-drug-resistant Gram-negative bacteria and cocci. Rational directions for treatment] Panichi G, et al. **G Ital Chemioter** 1984 Jan–Aug;31(1–2):65–71 (Eng. Abstr.) **(Ita)**

[Use of cofosfolactamine in localized bacterial infections] Scalzini A, et al. **G Ital Chemioter** 1984 Jan–Aug; 31(1–2):205–6 **(Ita)**

[Topical therapeutic action of a new preparation with antifungal and antibacterial action (Vancide 89 RE-BTC 2125 M 50%)] Carnimeo L, et al. **G Ital Dermatol Venereol** 1982 Jul–Aug; 117(4):XXXV–XXXVIII (Eng. Abstr.) **(Ita)**

[Study of the clinical effectiveness of 'impetex'] Fanti PA, et al. **G Ital Dermatol Venereol** 1983 Mar–Apr; 118(2):XXV–XXX (Eng. Abstr.) **(Ita)**

[Clinical considerations on the use of cefotaxime in infectious complications after resuscitation] Mangione S, et al. **Minerva Anestesiol** 1983 Nov;49(11):649–52 (Eng. Abstr.) **(Ita)**

[Clinical experimentation of cefoxitin in intensive therapy] Merlo F, et al. **Minerva Anestesiol** 1984 Apr;50(4):157–60 (Eng. Abstr.) **(Ita)**

[Treatment of mixed (aerobic/anaerobic) abdominal infections with clindamycin phosphate and gentamycin] Magistrelli P, et al. **Minerva Chir** 1984 Mar 31;39(6):411–4 (Eng. Abstr.) **(Ita)**

[26 cases of surgical infection treated with cefoxitin] Morino F, et al. **Minerva Chir** 1983 Aug 15–31;38(15–16):1217–20 (Eng. Abstr.) **(Ita)**

[Use of piperacillin in the critical surgery patient] Piscitelli L, et al. **Minerva Chir** 1984 Jan 15–31;39(1–2):73–6 (Eng. Abstr.) **(Ita)**

[Clinical experience with cefadroxil in pediatrics] Arcara G, et al. **Minerva Pediatr** 1983 Jun 30;35(12):667–72 (Eng. Abstr.) **(Ita)**

[Use of gentamycin according to a simplified dosage scheme] Boner A, et al. **Minerva Pediatr** 1984 Jan 31;36(1–2):61–4 (Eng. Abstr.) **(Ita)**

[Considerations on cefadroxil, a cefalosporinic antibiotic recently introduced on the market] Cadario F. **Minerva Pediatr** 1984 Feb 28;36(4):205–13 (Eng. Abstr.) **(Ita)**

[Therapeutic use of cefotiam in bacterial infections in pediatrics] Cerutti F, et al. **Minerva Pediatr** 1983 Nov 15; 35(21):1073–8 (Eng. Abstr.) **(Ita)**

[Antibiotic therapy: use and clinical evaluation of a new antibacterial drug, ceftazidime (RG 159) administered parenterally in children] Pavesio D, et al. **Minerva Pediatr** 1984 May 15;36(9):481–92 (Eng. Abstr.) **(Ita)**

[Cefadroxil in stomatology] Di Maggio M, et al. **Minerva Stomatol** 1984 Mar–Apr;33(2):357–64 (Eng. Abstr.) **(Ita)**

[Piperacillin in the treatment of severe infections of the urogenital system. Our experience] Fontana G, et al. **Minerva Urol** 1983 Oct–Dec;35(4):301–3 (Eng. Abstr.) **(Ita)**

[Clinical study of the effectiveness of Cefadroxil in respiratory diseases in children] Benigno V, et al. **Pediatria (Napoli)** 1983 Jun–Sep;91(2–3):217–25 (Eng. Abstr.) **(Ita)**

[Antibiotic therapy of infections in cancer patients with leukopenia] Inagaki J, et al. **Gan To Kagaku Ryoho** 1983 Oct;10(10):2225–9 (Eng. Abstr.) **(Jpn)**

[Experimental and clinical evaluation of cefotetan in obstetrics and gynecology] **Jpn J Antibiot** 1983 Sep; 36(9):2474–93 (Eng. Abstr.) **(Jpn)**

[New oral cephem antibiotic, cefroxadine capsules, against superficial suppurative disease in the field of surgery] Abe N, et al. **Jpn J Antibiot** 1983 Sep;36(9):2515–20 (Eng. Abstr.) **(Jpn)**

[Clinical effect of cefroxadine on surgical infections] Aikawa T, et al. **Jpn J Antibiot** 1983 Sep;36(9):2521–8 (Eng. Abstr.) **(Jpn)**

[Clinical studies on ceftazidime in the pediatric field] Aoyama R, et al. **Jpn J Antibiot** 1984 Mar;37(3):349–54 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of cefpiramide in pediatrics] Aoyama R, et al. **Jpn J Antibiot** 1983 Aug;36(8):2153–9 (Eng. Abstr.) **(Jpn)**

[Experimental and clinical evaluation of cefotetan in pediatrics] Aoyama R, et al. **Jpn J Antibiot** 1983 Jun; 36(6):1191–8 (Eng. Abstr.) **(Jpn)**

[Evaluation of cefotetan in pediatrics] Aso K, et al. **Jpn J Antibiot** 1983 Jun;36(6):1295–300 (Eng. Abstr.) **(Jpn)**

[Clinical effect of a cephalosporin derivative, cefotiam, on otorhinolaryngologic infections] Baba S, et al. **Jpn J Antibiot** 1983 Oct;36(10):2693–710 (Eng. Abstr.) **(Jpn)**

[Evaluation of the clinical effect of ceftazidime in the field of obstetrics and gynecology] Chimura T, et al. **Jpn J Antibiot** 1983 Dec;36(12):3483–90 (Eng. Abstr.) **(Jpn)**

[Clinical effect of cefotetan against infectious diseases in obstetrics and gynaecology] Chimura T, et al. **Jpn J Antibiot** 1983 Sep;36(9):2450–4 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of tinidazole on anaerobic infections in the field of obstetrics and gynecology] Cho N, et al. **Jpn J Antibiot** 1983 Dec;36(12):3325–35 (Eng. Abstr.) **(Jpn)**

[Basic and clinical studies on ceftazidime in the field of obstetrics and gynecology] Cho N, et al. **Jpn J Antibiot** 1983 Dec;36(12):3463–75 (Eng. Abstr.) **(Jpn)**

[Clinical application of latamoxef during the perinatal period] Cho N, et al. **Jpn J Antibiot** 1983 Sep;36(9):2395–404 (Eng. Abstr.) **(Jpn)**

[Experimental and clinical evaluation of cefroxadine in the field of obstetrics and gynecology] Cho N, et al.

Jpn J Antibiot 1983 Sep;36(9):2535–48 (Eng. Abstr.) **(Jpn)**

[Basic and clinical studies on ceftazidime in the field of obstetrics and gynecology] Doko F. **Jpn J Antibiot** 1984 Jan;37(1):57–62 (Eng. Abstr.) **(Jpn)**

[Comprehensive evaluation of cefotetan in pediatrics] Fujii R, et al. **Jpn J Antibiot** 1983 Jun;36(6):1173–84 (Eng. Abstr.) **(Jpn)**

[Clinical and pharmacokinetic evaluation of ceftazidime in children] Fujita K, et al. **Jpn J Antibiot** 1984 Mar; 37(3):329–37 (Eng. Abstr.) **(Jpn)**

[Clinical efficacy and pharmacokinetics of cefpiramide in children] Fujita K, et al. **Jpn J Antibiot** 1983 Aug; 36(8):2135–41 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of cefotetan in pediatrics] Fujita K, et al. **Jpn J Antibiot** 1983 Jun;36(6):1185–90 (Eng. Abstr.) **(Jpn)**

[Experimental and clinical studies of cefotiam for the treatment of otorhinolaryngological infections] Furuta S, et al. **Jpn J Antibiot** 1983 Oct;36(10):2742–9 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of ceftazidime in paediatrics] Haruta T, et al. **Jpn J Antibiot** 1984 Mar;37(3):524–36 (Eng. Abstr.) **(Jpn)**

[Fundamental and clinical studies on ceftazidime in the field of obstetrics and gynecology] Hirabayashi K, et al. **Jpn J Antibiot** 1984 Jan;37(1):49–56 (Eng. Abstr.) **(Jpn)**

[Clinical experience with cefoxitin in the surgical field] Hirano Y, et al. **Jpn J Antibiot** 1984 Jan;37(1):104–10 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of cefroxadine in surgical infections] Hirayama T, et al. **Jpn J Antibiot** 1983 Jun;36(6):1435–8 (Eng. Abstr.) **(Jpn)**

[A double-blind comparison between cefaclor and cephalexin in the treatment of dental infections] Horii M, et al. **Jpn J Antibiot** 1984 Jan;37(1):152–75 (Eng. Abstr.) **(Jpn)**

[Fundamental and clinical studies on ceftazidime in the field of obstetrics and gynecology] Horii T, et al. **Jpn J Antibiot** 1984 Jan;37(1):33–7 (Eng. Abstr.) **(Jpn)**

[Clinical experience with cefadroxil in otorhinolaryngological infections] Iino Y, et al. **Jpn J Antibiot** 1983 Sep;36(9):2497–501 (Eng. Abstr.) **(Jpn)**

[Clinical studies of intravenous drip infusion of micronomicin. Internal field infections] Ikemoto H. **Jpn J Antibiot** 1984 Jan;37(1):111–21 (Eng. Abstr.) **(Jpn)**

[Fundamental and clinical studies on ceftazidime in the field of pediatrics] Iwai N, et al. **Jpn J Antibiot** 1984 Mar; 37(3):490–511 (Eng. Abstr.) **(Jpn)**

[Experimental and clinical evaluation of cefpiramide in pediatrics] Iwai N, et al. **Jpn J Antibiot** 1983 Aug; 36(8):2242–60 (Eng. Abstr.) **(Jpn)**

[Experimental and clinical evaluation of cefotetan in pediatrics] Iwai N, et al. **Jpn J Antibiot** 1983 Jun; 36(6):1279–94 (Eng. Abstr.) **(Jpn)**

[Evaluation of latamoxef in neonates] Iwai N, et al. **Jpn J Antibiot** 1983 Sep;36(9):2336–48 (Eng. Abstr.) **(Jpn)**

[Experimental and clinical evaluation of cefotetan in pediatrics] Iwata S, et al. **Jpn J Antibiot** 1983 Jun; 36(6):1204–18 (Eng. Abstr.) **(Jpn)**

[Experimental and clinical evaluation of cefpiramide in pediatrics] Jozaki K, et al. **Jpn J Antibiot** 1983 Aug; 36(8):2195–200 (Eng. Abstr.) **(Jpn)**

[A clinical study on cefoperazone in serious infections associated with hematological malignancy] Kaku K, et al. **Jpn J Antibiot** 1984 Feb;37(2):256–60 (Eng. Abstr.) **(Jpn)**

[Therapeutic effectiveness of ceftizoxime on severe infections associated with hematologic disorders] Kanamaru A, et al. **Jpn J Antibiot** 1984 Jan;37(1):136–44 (Eng. Abstr.) **(Jpn)**

[Effect of cefotaxime in the treatment of infections associated with hematologic diseases] Kaneko H, et al. **Jpn J Antibiot** 1983 Sep;36(9):2502–14 (Eng. Abstr.) **(Jpn)**

[Laboratory and clinical studies of cefotiam in digestive diseases] Kanoh H, et al. **Jpn J Antibiot** 1984 Feb; 37(2):209–18 (Eng. Abstr.) **(Jpn)**

[Antibacterial potency of cefotiam based on the clinical effect, MIC and decrement of organisms in the sputum] Kawagoe M, et al. **Jpn J Antibiot** 1983 Aug;36(8):2053–7 (Eng. Abstr.) **(Jpn)**

[Clinical study on drip infusion of micronomicin in the fields of surgery and gynecology] Kikuchi K, et al. **Jpn J Antibiot** 1983 Nov;36(11):3312–20 (Eng. Abstr.) **(Jpn)**

[Clinical use of cefroxadine in dentistry and oral surgery] Kikuta T, et al. **Jpn J Antibiot** 1983 Aug;36(8):2017–28 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of ceftazidime in the treatment of pediatric infections] Kim B, et al. **Jpn J Antibiot** 1984 Mar; 37(3):363–76 (Eng. Abstr.) **(Jpn)**

[Clinical use of ticarcillin in the field of obstetrics and gynecology. Efficacy of ticarcillin in single administration and in combination therapy with S-sulfonated human immunoglobulin] Kishida H, et al. **Jpn J Antibiot** 1983 Nov; 36(11):2951–64 (Eng. Abstr.) **(Jpn)**

[Postmarketing survey on the clinical use of cefotiam] Kitaguchi T, et al. **Jpn J Antibiot** 1983 Aug;36(8):2029–52 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of cefpiramide in pediatrics] Kobayashi Y, et al. **Jpn J Antibiot** 1983 Aug;36(8):2269–74 (Eng. Abstr.) **(Jpn)**

[Evaluation of latamoxef in the treatment of infections of newborn infants] Kobayashi Y, et al. **Jpn J Antibiot** 1983 Sep;36(9):2359–63 (Eng. Abstr.) **(Jpn)**

[Experience with ceftazidime in the field of obstetrics and gynecology] Kohara T, et al. **Jpn J Antibiot** 1984 Jan; 37(1):6–13 (Eng. Abstr.) **(Jpn)**

[Clinical effects of ceftizoxime and latamoxef on infections in acute leukemia] Kohi F, et al. **Jpn J Antibiot** 1983 Jul; 36(7):1645–52 (Eng. Abstr.) **(Jpn)**

[In vivo effects of cefoperazone in local infection] Kumano K, et al. **Jpn J Antibiot** 1983 Dec;36(12):3450–5 (Eng. Abstr.) **(Jpn)**

[Laboratory and clinical studies on ceftazidime in the field of pediatrics] Kuno K, et al. **Jpn J Antibiot** 1984 Mar; 37(3):469–84 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of cefotetan in pediatrics] Meguro H, et al. **Jpn J Antibiot** 1983 Jun;36(6):1262–70 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of cefpiramide in pediatric] Meguro H, et al. **Jpn J Antibiot** 1983 Aug;36(8):2177–84 (Eng. Abstr.) **(Jpn)**

[Clinical experience with cefoxitin in infections associated with hematopoietic disorders] Minami N, et al. **Jpn J Antibiot** 1983 Oct;36(10):2881–6 (Eng. Abstr.) **(Jpn)**

[Clinical study on ceftazidime in the field of pediatrics] Minamitani M, et al. **Jpn J Antibiot** 1984 Mar;37(3):377–88 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of cefotetan in pediatrics] Minamitani M, et al. **Jpn J Antibiot** 1983 Jun;36(6):1233–42 (Eng. Abstr.) **(Jpn)**

[Results of clinical application of cefpiramide in pediatrics] Minamitani M, et al. **Jpn J Antibiot** 1983 Aug;36(8):2185–94 (Eng. Abstr.) **(Jpn)**

[Fundamental and clinical studies of ceftazidime in the pediatric field] Motohiro T, et al. **Jpn J Antibiot** 1984 Mar; 37(3):537–53 (Eng. Abstr.) **(Jpn)**

[Experimental and clinical evaluation of latamoxef in newborn and premature infants] Motohiro T, et al. **Jpn J Antibiot** 1983 Sep;36(9):2364–82 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of cefroxadine in the field of obstetrics and gynecology] Motomori R, et al. **Jpn J Antibiot** 1983 Sep;36(9):2562–70 (Eng. Abstr.) **(Jpn)**

[Clinical experience with ceftazidime in the infectious disease of children] Nagamatsu I, et al. **Jpn J Antibiot** 1984 Mar; 37(3):338–43 (Eng. Abstr.) **(Jpn)**

[Clinical results of cefpiramide therapy in infections of children] Nagamatsu I, et al. **Jpn J Antibiot** 1983 Aug; 36(8):2147–52 (Eng. Abstr.) **(Jpn)**

[Basic and clinical studies on the effect of cefmetazole on infection in gyneco-obstetrics] Nagasawa K, et al. **Jpn J Antibiot** 1984 Jan;37(1):63–87 (Eng. Abstr.) **(Jpn)**

[Fundamental and clinical studies on ceftazidime in the field of paediatrics] Nakamura T, et al. **Jpn J Antibiot** 1984 Mar; 37(3):485–9 (Eng. Abstr.) **(Jpn)**

[Clinical effect of intramuscular injection of cefpiramide in infections associated with surgery] Nakamura T, et al. **Jpn J Antibiot** 1983 Aug;36(8):2283–92 (Eng. Abstr.) **(Jpn)**

[Clinical effect of cefotiam on otorhinolaryngologic infections] Nakashima T, et al. **Jpn J Antibiot** 1983 Oct; 36(10):2733–41 (Eng. Abstr.) **(Jpn)**

[Evaluation of cefpiramide in pediatrics] Nakashima T, et al. **Jpn J Antibiot** 1983 Aug;36(8):2228–41 (Eng. Abstr.) **(Jpn)**

[Experimental and clinical evaluation of latamoxef in newborn and premature infants] Nakazawa S, et al. **Jpn J Antibiot** 1983 Sep;36(9):2302–11 (Eng. Abstr.) **(Jpn)**

[Evaluation of cefpiramide, a new cephem parenteral preparation developed in Japan, in pediatrics] Nakazawa S, et al. **Jpn J Antibiot** 1983 Aug;36(8):2160–70 (Eng. Abstr.) **(Jpn)**

[Experimental and clinical evaluation of a new cephamycin antibiotic, cefotetan, in pediatrics] Nakazawa S, et al. **Jpn J Antibiot** 1983 Jun;36(6):1219–32 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of cefoxitin in surgery] Namatame K, et al. **Jpn J Antibiot** 1983 Jun;36(6):1553–61 (Eng. Abstr.) **(Jpn)**

[Ceftazidime: antibacterial activity and clinical efficacy in obstetrics and gynecology] Ninomiya K, et al. **Jpn J Antibiot** 1984 Jan;37(1):14–7 (Eng. Abstr.) **(Jpn)**

[Experimental and clinical evaluation of latamoxef during the peripaturient period] Ninomiya K, et al. **Jpn J Antibiot** 1983 Sep;36(9):2409–22 (Eng. Abstr.) **(Jpn)**

[Laboratory and clinical studies of ceftazidime in the pediatric field] Nishimura T, et al. **Jpn J Antibiot** 1984 Mar;37(3):512–23 (Eng. Abstr.) **(Jpn)**

[Experimental and clinical evaluation of cefotetan in pediatrics] Nishimura T, et al. **Jpn J Antibiot** 1983 Jun; 36(6):1301–12 (Eng. Abstr.) **(Jpn)**

[Experimental and clinical evaluation of cefpiramide in pediatrics] Nishimura T, et al. **Jpn J Antibiot** 1983 Aug; 36(8):2261–8 (Eng. Abstr.) **(Jpn)**

[Pharmacokinetic and clinical studies of latamoxef in newborn and premature infants] Nishimura T, et al. **Jpn J Antibiot** 1983 Sep;36(9):2349–58 (Eng. Abstr.) **(Jpn)**

[Therapeutic efficacy of KS-R1, an ampicillin suppository, against experimental infections in mice] Obana Y, et al. **Jpn J Antibiot** 1983 Jul;36(7):1706–12 (Eng. Abstr.) **(Jpn)**

[Experimental and clinical studies of ceftazidime in the field of obstetrics and gynecology] Obata I, et al. **Jpn J Antibiot** 1983 Dec;36(12):3491–506 (Eng. Abstr.) **(Jpn)**

[Clinical study of cefotetan in obstetrics and gynecology] Obata I, et al. **Jpn J Antibiot** 1983 Sep;36(9):2461–73 (Eng. Abstr.) **(Jpn)**

[Tissue penetration and clinical effects of ceftazidime in the field of obstetrics and gynecology] Ogawa E, et al. **Jpn J Antibiot** 1983 Dec;36(12):3476–82 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of micronomicin for the treatment of postoperative infections in cancer patients] Ohmori K, et al. **Jpn J Antibiot** 1983 Jul;36(7):1593–8 (Eng. Abstr.) **(Jpn)**

[Clinical study of cefroxadine in the field of obstetrics and gynecology] Okada N, et al. **Jpn J Antibiot** 1983 Sep; 36(9):2556–61 (Eng. Abstr.) **(Jpn)**

[Clinical efficacy of ceftazidime in inflammatory diseases in the field of gynecology] Okamura K, et al. **Jpn J Antibiot** 1984 Jan;37(1):1–5 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of cefroxadine in bacterial infections of the eye] Ooishi M, et al. **Jpn J Antibiot** 1983 Sep; 36(9):2635–64 (Eng. Abstr.) **(Jpn)**

[Clinical efficacy of cefotaxime in the field of internal medicine] Saitoh H, et al. **Jpn J Antibiot** 1983 Oct; 36(10):2901–12 (Eng. Abstr.) **(Jpn)**

[Clinical studies of cefotiam in otorhinolaryngologic infections] Satake K, et al. **Jpn J Antibiot** 1983 Oct; 36(10):2683–7 (Eng. Abstr.) **(Jpn)**

[Clinical studies of cefotiam in otorhinolaryngologic infections] Sato F, et al. **Jpn J Antibiot** 1983 Oct; 36(10):2688–92 (Eng. Abstr.) **(Jpn)**

[Basic and clinical studies on ceftazidime in the pediatric field] Sato Y, et al. **Jpn J Antibiot** 1984 Mar;37(3):389–406 (Eng. Abstr.) **(Jpn)**

[Fundamental and clinical studies on ceftazidime] Seiga K, et al. **Jpn J Antibiot** 1984 Jan;37(1):38–48 (Eng. Abstr.) **(Jpn)**

[Fundamental and clinical studies of ceftazidime in the field of obstetrics and gynecology] Shintani M, et al. **Jpn J Antibiot** 1984 Jan;37(1):28–32 (Eng. Abstr.) **(Jpn)**

[Clinical experience with cefotiam in the otorhinolaryngologic field] Sugiyama M, et al. **Jpn J Antibiot** 1983 Oct;36(10):2711–4 (Eng. Abstr.) **(Jpn)**

[Clinical effect and transfer into the wound exudate of cefroxadine used in the treatment of soft tissue infection] Takata N, et al. **Jpn J Antibiot** 1983 Sep;36(9):2529–34 (Eng. Abstr.) **(Jpn)**

[Clinical studies of cefotiam in the field of otorhinolaryngology] Takeda K, et al. **Jpn J Antibiot** 1983 Oct;36(10):2715–20 (Eng. Abstr.) **(Jpn)**

[Clinical effect of latamoxef on newborn and premature infants] Takimoto M, et al. **Jpn J Antibiot** 1983 Sep; 36(9):2297–301 (Eng. Abstr.) **(Jpn)**

[Significance of bacterial count of the bile as a criteria of drug efficacy] Tanimura H, et al. **Jpn J Antibiot** 1983 Aug; 36(8):2275–82 (Eng. Abstr.) **(Jpn)**

[Clinical use of ceftazidime in the field of obstetrics and gynaecology] Tateno M. **Jpn J Antibiot** 1983 Dec; 36(12):3507–16 (Eng. Abstr.) **(Jpn)**

[Fundamental and clinical studies of ceftazidime in the field of pediatrics] Terashima I, et al. **Jpn J Antibiot** 1984 Mar; 37(3):355–62 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of cefpiramide in 6 cases of infection in children] Terashima I, et al. **Jpn J Antibiot** 1983 Aug; 36(8):2171–6 (Eng. Abstr.) **(Jpn)**

[Experimental and clinical evaluation of latamoxef in newborn and premature infants] Tojo M, et al. **Jpn J Antibiot** 1983 Sep;36(9):2312–21 (Eng. Abstr.) **(Jpn)**

[Fundamental and clinical studies on ceftazidime in the field of pediatrics] Toyonaga Y, et al. **Jpn J Antibiot** 1984 Mar; 37(3):423–59 (Eng. Abstr.) **(Jpn)**

[Experimental and clinical evaluation of cefotetan in pediatrics] Toyonaga Y, et al. **Jpn J Antibiot** 1983 Jun; 36(6):1243–60 (Eng. Abstr.) **(Jpn)**

[Experimental and clinical evaluation of cefpiramide in pediatrics] Toyonaga Y, et al. **Jpn J Antibiot** 1983 Aug; 36(8):2207–27 (Eng. Abstr.) **(Jpn)**

[Experimental and clinical evaluation latamoxef in newborn and premature infants] Toyonaga Y, et al. **Jpn J Antibiot** 1983 Sep;36(9):2322–35 (Eng. Abstr.) **(Jpn)**

[Therapeutic effect of cefotaxime against severe infections in patients with hematopoietic diseases] Tsubakio T, et al. **Jpn J Antibiot** 1983 Oct;36(10):2893–900 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of cefroxadine in the field of obstetrics and gynecology] Uchida S, et al. **Jpn J Antibiot** 1983 Sep; 36(9):2549–55 (Eng. Abstr.) **(Jpn)**

[Clinical experience with cefotiam in otorhinolaryngologic infections] Yajin K, et al. **Jpn J Antibiot** 1983 Oct; 36(10):2721–9 (Eng. Abstr.) **(Jpn)**

[Fundamental and clinical studies on cefpiramide in the field

of obstetrics and gynecology] Yamamoto T, et al. **Jpn J Antibiot** 1984 Jan;37(1):145–51 (Eng. Abstr.) **(Jpn)**

[Experimental and clinical studies on latamoxef during the perinatal period] Yamamoto T, et al. **Jpn J Antibiot** 1983 Sep;36(9):2423–30 (Eng. Abstr.) **(Jpn)**

[Clinical experience with fosfomycin sodium for bacterial infections in obstetrics and gynecology] Yamamoto T, et al. **Jpn J Antibiot** 1983 Aug;36(8):2109–14 (Eng. Abstr.) **(Jpn)**

[Clinical experience with fosfomycin sodium for infectious diseases in obstetrics and gynecology] Yamazaki T, et al. **Jpn J Antibiot** 1983 Aug;36(8):2115–9 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of cefotetan in pediatrics] Yanagisawa K, et al. **Jpn J Antibiot** 1983 Jun;36(6):1271–8 (Eng. Abstr.) **(Jpn)**

[Evaluation of cefotetan in obstetrics and gynecology] Yasuda J, et al. **Jpn J Antibiot** 1983 Sep;36(9):2455–60 (Eng. Abstr.) **(Jpn)**

[Clinical results of cefaclor treatment of infections of oral regions] Yoshida Y, et al. **Jpn J Antibiot** 1984 Mar; 37(3):318–28 (Eng. Abstr.) **(Jpn)**

[Clinical effects of COG–78 on severe infections complicated with hematopoietic diseases—a comparative study on cross–over method] Hasegawa H, et al. **Kansenshogaku Zasshi** 1983 Nov;57(11):971–80 (Eng. Abstr.) **(Jpn)**

[Criteria for selection of the first, second and third generation cephem antibiotics. 3. Pediatrics] Fujii R. **Nippon Rinsho** 1984 Mar;42(3):713–4 **(Jpn)**

[Criteria for selection of the first, second and third generation cephem antibiotics. 3. Pediatrics] Ichihashi Y, et al. **Nippon Rinsho** 1984 Mar;42(3):715–6 **(Jpn)**

[Future of antibiotic therapy in various medical fields. 2. Surgery. a. Therapy of postoperative infections] Ishibiki K, et al. **Nippon Rinsho** 1984 Mar;42(3):576–81 **(Jpn)**

[Criteria for selection of the first, second and third generation cephem antibiotics. 1. Internal medicine] Katsu M. **Nippon Rinsho** 1984 Mar;42(3):701–2 **(Jpn)**

[Future of antibiotic therapy in various fields of medicine. 4. Pediatrics] Kobayashi Y, et al. **Nippon Rinsho** 1984 Mar; 42(3):598–604 (25 ref.) **(Jpn)**

[Reflections on antibiotic therapy] Mashimo K. **Nippon Rinsho** 1984 Mar;42(3):696–8 **(Jpn)**

[Criteria for selection of the first, second and third generation cephem antibiotics. 5. Obstetrics and gynecology] Matsuda S. **Nippon Rinsho** 1984 Mar;42(3):723–4 **(Jpn)**

[Criteria for selection of the first, second and third generation cephem antibiotics. 1. Internal medicine] Okubo H. **Nippon Rinsho** 1984 Mar;42(3):699–700 **(Jpn)**

[Criteria for selection of the first, second and third generation cephem antibiotics. 1. Internal medicine] Shiota K. **Nippon Rinsho** 1984 Mar;42(3):703–5 **(Jpn)**

[Future of antibiotic therapy in various fields of medicine. 3. Gynecology and obstetric] Takase Z. **Nippon Rinsho** 1984 Mar;42(3):587–97 **(Jpn)**

[Future of antibiotic therapy in various fields of medicine. 8. Dentistry and oral surgery] Tamai K. **Nippon Rinsho** 1984 Mar;42(3):624–8 **(Jpn)**

[Future of antibiotic therapy in various medical fields. 1. Internal medicine. c. Biliary tract infections] Urayama K, et al. **Nippon Rinsho** 1984 Mar;42(3):573–5 (8 ref.) **(Jpn)**

[Criteria for selection of the first, second and third generation cephem antibiotics. 1. Internal medicine] Watanabe A, et al. **Nippon Rinsho** 1984 Mar;42(3):706–7 **(Jpn)**

[Criteria for selection of the first, second and third generation cephem antibiotics. 2. Surgery] Yura J. **Nippon Rinsho** 1984 Mar;42(3):711–2 **(Jpn)**

[Criteria for the estimation of clinical effect of antimicrobial drugs in the treatment of infections associated with granulocytopenia] Takaku F, et al. **Rinsho Ketsueki** 1984 Apr;25(4):588–92 (Eng. Abstr.) **(Jpn)**

[Use of gentamicin chains in the treatment of chronic suppurative osteomyelitis] Zwierzchowski H, et al. **Chir Narzadow Ruchu Ortop Pol** 1983;48(3):255–61 (Eng. Abstr.) **(Pol)**

[Progress in chemotherapy: beta–lactam antibiotics] Jeljaszewicz J, et al. **Pol Tyg Lek** 1983 Dec 19–26; 38(51–52):1669–73 **(Pol)**

[Various problems of antibiotic interaction] Chruściel TL. **Przegl Lek** 1984;41(3):285–6 **(Pol)**

[What is the role of clinical pharmacology in the present–day selection of antibacterial antibiotics?] Chruściel TL. **Przegl Lek** 1984;41(4):347–50 **(Pol)**

[Can we utilize current bacteriological diagnostic methods for the purpose of drug selection?] Dzierżanowska D. **Przegl Lek** 1984;41(3):287–91 **(Pol)**

[Monitoring of antibacterial therapy] Dzierżanowska D. **Przegl Lek** 1984;41(2):247–51 **(Pol)**

[Treatment of respiratory tract diseases with antibiotics] Rowińska–Zakrzewska E. **Przegl Lek** 1984;41(5):401–4 **(Pol)**

[Results of treatment of suppurative cerebrospinal meningitis in children] Kacprzyk SS. **Wiad Lek** 1983 Apr 15; 36(8):633–7 (Eng. Abstr.) **(Pol)**

[Antibiotics in neurology] Kotowicz J, et al. **Wiad Lek** 1984 Jan 1;37(1):35–41 (30 ref.) (Eng. Abstr.) **(Pol)**

[Sensitivity of some bacterial species isolated from urinary infections to antimicrobial agents] Meitert E, et al. **Rev Ig [Bacteriol]** 1984 Apr–Jun;29(2):145–54 (Eng. Abstr.) **(Rum)**

[Etiologic aspects of puerperal endometritis and its etiotropic treatment] Emel'ianova AI, et al. **Akush Ginekol (Mosk)** 1983 Dec;(12):62–4 (Eng. Abstr.) **(Rus)**

[Effective antibiotic therapy in multimodal treatment of patients with chronic nonspecific endometritis] Medvedev BI, et al. **Akush Ginekol (Mosk)** 1984 May;(5):42–4 (Eng. Abstr.) **(Rus)**

[Antibacterial therapy of cholecystocholangitis in viral hepatitis] Andreichin MA, et al. **Antibiotiki** 1984 Apr; 29(4):295–9 (Eng. Abstr.) **(Rus)**

[Potentiation of the antimicrobial action of antibiotics in combination with oxytocin] Bukharin OV, et al. **Antibiotiki** 1984 May;29(5):365–9 (Eng. Abstr.) **(Rus)**

[Microbiological aspects of the elaboration of effective antibiotic therapy of bacterial lesions of the biliary tract] Sytnik IA. **Antibiotiki** 1984 Feb;29(2):95–9 (Eng. Abstr.) **(Rus)**

[Antibacterial therapy of peritonitis] Tsatsanidi KN, et al. **Antibiotiki** 1984 Apr;29(4):291–5 (Eng. Abstr.) **(Rus)**

[Local treatment of suppurative wounds] Datsenko BM, et al. **Khirurgiia (Mosk)** 1984 Jan;(1):136–41 **(Rus)**

[Early effective antibacterial therapy of suppurative processes and purulent complications after surgery] Furmanenko NF, et al. **Klin Khir** 1984 Jan;(1):68–70 (Eng. Abstr.) **(Rus)**

[Value of laboratory methods for elaboration of rational tactics in antibiotic therapy] Navashin SM, et al. **Lab Delo** 1984;(5):295–9 (Eng. Abstr.) **(Rus)**

[Methods of immunopharmacologic treatment in infectious–allergic diseases of the eye] Maichuk IuF, et al. **Oftalmol Zh** 1983;38(4):217–20 (Eng. Abstr.) **(Rus)**

[Chemotherapy of experimental infectious peritonitis] Fokin AA. **Tr Inst Pastera** 1982;58:122–5 **(Rus)**

[Observations on the treatment of inflammatory diseases in gynecology and obstetrics with clindamycin] Grčić R, et al. **Srp Arh Celok Lek** 1983 Mar;111(3):327–34 **(Scc)**

[Basis of the therapeutic audit. Criteria for intravenous metronidazole in anaerobic infections] Alloza JL. **Med Clin (Barc)** 1984 Feb 4;82(4):170–5 **(Spa)**

[In vitro action and therapeutic evaluation of cefuroxime in acute bacterial infections in pediatrics (letter] Russ C, et al. **Medicina (B Aires)** 1983;43(3):354–5 **(Spa)**

[Treatment of urinary tract infections in children with trimethoprim–sulfamethoxypyridazine] Rodríguez W, et al. **Rev Chil Pediatr** 1983 Nov–Dec;54(6):402–6 (Eng. Abstr.) **(Spa)**

[Cefoperazone. Experience in medico–surgical infections] López H, et al. **Rev Clin Esp** 1983 Oct 31;171(2):99–101 (Eng. Abstr.) **(Spa)**

[Ceftriaxone in septic processes] Torres A, et al. **Rev Clin Esp** 1983 Oct 31;171(2):103–5 (Eng. Abstr.) **(Spa)**

[A proposal for a health care program within primary health care: Treatment of skin and connective tissue infections] Kasholm–Tengve B. **Lakartidningen** 1984 Mar 28; 81(13):1295–8 **(Swe)**

ECONOMICS

Management of pneumonia in the prospective payment era. A need for more clinician and support service interaction. Dans PE, et al. **Arch Intern Med** 1984 Jul;144(7):1392–7

Peace of mind and the cost of treating infections [editorial] DeMaria A Jr. **Arch Intern Med** 1984 Jul;144(7):1369–70

ENZYMOLOGY

Pathophysiology of the interaction between complement and non–complement proteases. Nydegger UE, et al. **Adv Exp Med Biol** 1984;167:227–34

Proteinase inhibitory function in inflammatory lung disease. I. Acute bacterial pneumonia. Abrams WR, et al. **Am Rev Respir Dis** 1984 May;129(5):735–41

Assay and the levels of 2–5A–synthetase in lymphocytes of patients with viral, bacterial and autoimmune diseases. Buffet–Janvresse C, et al. **Ann Immunol (Paris)** 1983 Sep–Oct;134D(2):247–58

Neuraminidase activity in middle ear effusions. LaMarco KL, et al. **Ann Otol Rhinol Laryngol** 1984 Jan–Feb;93(1 Pt 1):76–84

ETIOLOGY

Infection risks from cannulae used to maintain intravenous access. Saloheimo S, et al. **Acta Anaesthesiol Scand** 1984 Apr;28(2):199–200

Postsplenectomy infections in Danish children splenectomized 1969–1978. Pedersen FK. **Acta Paediatr Scand** 1983 Jul;72(4):589–95

Postsplenectomy sepsis. Harris LF, et al. **Ala Med** 1984 Jan; 53(7):6–8

An atypical subcutaneous infection associated with acquired immune deficiency syndrome. Stoler MH, et al. **Am J Clin Pathol** 1983 Nov;80(5):714–8

Recurrent sepsis with deficiencies of C2 and galactokinase. Borzy MS, et al. **Am J Dis Child** 1984 Feb;138(2):186–91

An epidemiologic study of postcesarean infection. Josephson A. **Am J Infect Control** 1984 Feb;12(1):19–25

Infections in burn patients: a paradigm for cutaneous infection in the patient at risk. Gelfand JA. **Am J Med** 1984 May 15;76(5A):158–65 (80 ref.)

Symposium on infectious complications of neoplastic disease (Part I). Introduction and epidemiology. Louria DB. **Am J Med** 1984 Mar;76(3):414–20

Opportunistic infections in severely burned patients. Pruitt BA Jr, et al. **Am J Med** 1984 Mar 30;76(3A):146–54 (42 ref.)

Bacterial meningitis in the patient at risk: intrinsic risk factors and host defense mechanisms. Scheld WM. **Am J Med** 1984 May 15;76(5A):193–207 (149 ref.)

Infections in parenteral drug abusers. Further immunologic studies. Orangio GR, et al. **Am J Surg** 1983 Dec; 146(6):738–41

Sepsis from sinusitis in nasotracheally intubated patients. A diagnostic dilemma. O'Reilly MJ, et al. **Am J Surg** 1984 May;147(5):601–4

Branhamella catarrhalis pneumonia and immunoglobulin abnormalities: a new association. Diamond LA, et al. **Am Rev Respir Dis** 1984 May;129(5):876–8

Serratia rubidae endophthalmitis following penetrating ocular injury. Joondeph HC, et al. **Ann Ophthalmol** 1983 Dec; 15(12):1138–40

Prevention and treatment of central venous catheter sepsis by exchange via a guidewire [letter] Snydman DR. **Ann Surg** 1984 Jul;200(1):101–3

Viral infections predisposing to bacterial infections. Mills EL. **Annu Rev Med** 1984;35:469–79 (60 ref.)

Importance of encapsulated anaerobic bacteria in mixed infection [editorial] Brook I. **Arch Intern Med** 1984 Apr; 144(4):701–2

Aeromonas hydrophila myonecrosis and gas gangrene in a nonimmunocompromised host. Heckerling PS, et al. **Arch Intern Med** 1983 Oct;143(10):2005–7

Serious infections in adults following splenectomy for trauma. Zarrabi MH, et al. **Arch Intern Med** 1984 Jul;144(7):1421–4

Bacterial pulmonary infections due to immunosuppression. Ritschka L, et al. **Arch Monaldi** 1982 May–Jun; 37(3–4):115–20

Risk of infection following laparotomy for penetrating abdominal injury. Dellinger EP, et al. **Arch Surg** 1984 Jan; 119(1):20–7

A fishy tale: trout borne Aeromonas hydrophila septicaemia. Farrington M, et al. **Br Med J [Clin Res]** 1983 Oct 22; 287(6400):1184

Esophagopericardial fistula producing purulent pericarditis [letter] Burns RJ, et al. **Can J Surg** 1984 Jul;27(4):323

Branhamella catarrhalis conjunctivitis [letter] Chin AT. **Can Med Assoc J** 1983 Nov 1;129(9):922, 926

Late infections following splenectomy in Hodgkin's disease. Rosner F, et al. **Cancer Invest** 1983;1(1):57–65

Glomerulonephritis associated with chronic bacterial infection of a dacron arterial prosthesis. Coleman M, et al. **Clin Nephrol** 1983 Dec;20(6):315–20

Factors influencing the incidence and outcome of infection following total joint arthroplasty. Poss R, et al. **Clin Orthop** 1984 Jan–Feb;(182):117–26

Deficiency of IgG4: a disorder associated with frequent infections and bronchiectasis that may be familial. Heiner DC, et al. **Clin Rev Allergy** 1983 Jun;1(2):259–66 (22 ref.)

Bacterial pyelonephritis. Braude AI. **Compr Ther** 1984 Jun; 10(6):65–74

Bacterial infections in the compromised host with special emphasis on patients with hematologic malignancies. Madhavan T. **Compr Ther** 1984 Jan;10(1):19–24

The risk of infection related to radial vs femoral sites for arterial catheterization. Thomas F, et al. **Crit Care Med** 1983 Oct;11(10):807–12

Severe cellulitis due to Aeromonas hydrophilia following immersion injury. Winslow DL, et al. **Del Med J** 1984 Jun; 56(6):361–2

Traditional insulin–use practices and the incidence of bacterial contamination and infection. Borders LM, et al. **Diabetes Care** 1984 Mar–Apr;7(2):121–7

Infection and peripheral venous catheterization. Righter J, et al. **Diagn Microbiol Infect Dis** 1983 Jun;1(2):89–93

Infectious complications of gastrointestinal endoscopy. Vennes JA. **Dig Dis Sci** 1981 Jul;26(7 Suppl):60S–64S (25 ref.)

Soft tissue infections in drug abusers presenting to an accident and emergency department. Fullarton GM. **Health Bull (Edinb)** 1983 Nov;41(6):296–9

Serial knee infections with enteric pathogens. Dascal A, et al. **Hosp Pract [Off]** 1984 Aug;19(8):32I, 32L, 32P

Bacteriological analysis of expressed human milk and its relation to the outcome of high risk low birth weight infants. Narayanan I, et al. **Indian Pediatr** 1983 Dec; 20(12):915–20

Assessment of catheter–associated infection risk with the Hickman right atrial catheter. Fuchs PC, et al. **Infect Control** 1984 May;5(5):226–30

A potential infection hazard associated with the use of disposable saline vials. Rutala WA, et al. **Infect Control** 1984 Apr;5(4):170–2

Antiseptics and disinfectants—safe and effective? [editorial] Rutala WA, et al. **Infect Control** 1984 May;5(5):215–8

A Cytophaga species endotoxin as a putative agent of occupation–related lung disease. Flaherty DK, et al. **Infect Immun** 1984 Jan;43(1):213–6

Bacterial endotoxin isolated from a water spray air humidification system as a putative agent of occupation–related lung disease. Flaherty DK, et al. **Infect Immun** 1984 Jan;43(1):206–12

Lactobacillus gasseri as the cause of septic urinary infection. Dickgiesser U, et al. **Infection** 1984 Jan–Feb;12(1):14–6

Synergistic bacterial gangrene and allied lesions: a unified etiological theory. Mbonu OO, et al. **Int Surg** 1983 Oct–Dec;68(4):323–4

Management of infection in granulocytopenic patients [editorial] Klastersky J. **J Antimicrob Chemother** 1983 Aug; 12(2):102–4

Colonization of bacteria on polyvinyl chloride and Teflon intravascular catheters in hospitalized patients. Sheth NK, et al. **J Clin Microbiol** 1983 Nov;18(5):1061–3

Bacterial infection of the common bile duct in chronic fascioliasis in the rat. Foster JR. **J Comp Pathol** 1984 Apr; 94(2):175–81

Airborne contamination of wounds in joint replacement operations: the relationship to sepsis rates. Lidwell OM, et al. **J Hosp Infect** 1983 Jun;4(2):111–31

Role of the hands in the spread of nosocomial infections. 1. Reybrouck G. **J Hosp Infect** 1983 Jun;4(2):103–10

Septicemia due to Aeromonas hydrophila. Saenghirunvattana S, et al. **J Med Assoc Thai** 1984 Feb;67(2):111–3

Instrument–marking tapes: an unnecessary hazard. Samit A, et al. **J Oral Maxillofac Surg** 1983 Oct;41(10):687–8

Infected central neurofibroma of the mandible. Report of a case. Griffin JE Jr, et al. **J Oral Med** 1983 Jul–Sep; 38(3):94–6

Peritonsillar abscess complicating infectious mononucleosis. Portman M, et al. **J Pediatr** 1984 May;104(5):742–4

Nosocomial gram–negative bacillary parotitis. Pruett TL, et al. **JAMA** 1984 Jan 13;251(2):252–3

Bacterial contamination of continuously infused enteral alimentation with needle catheter jejunostomy—clinical implications. Baldwin BA, et al. **JPEN** 1984 Jan–Feb; 8(1):30–3

Host immune status in uremia. V. Effect of uremia on resistance to bacterial infection. Clarke IA, et al. **Kidney Int** 1983 Jul;24(1):66–73

The infected hip arthroplasty [editorial] **Lancet** 1984 Sep 8; 2(8402):557–8

Bacteria in cat scratch disease [editorial] **Lancet** 1984 Jan 28;1(8370):203–4

Anaerobic vaginosis [letter] **Lancet** 1984 Feb 11; 1(8372):337–8

Lymphadenitis due to Neisseria cinerea [letter] Clausen CR, et al. **Lancet** 1984 Apr 21;1(8382):908

Variant strain of Propionibacterium acnes: a clue to the aetiology of Kawasaki disease. Kato H, et al. **Lancet** 1983 Dec 17;2(8364):1383–8

Infections in immunosuppressed patients. Suleiman AB, et al. **Malays J Pathol** 1981 Aug;4:15–8

Hazards of peripheral intravenous lines. Turnidge J. **Med J Aust** 1984 Jul 7;141(1):37–40

Hickman catheter infections in patients with malignancies. Press OW, et al. **Medicine (Baltimore)** 1984 Jul; 63(4):189–200

A case of acute catarrhal conjunctivitis due to Branhamella catarrhalis. Kawakami Y, et al. **Microbiol Immunol** 1983; 27(7):641–3

Bacillus cereus as agent of peritonitis during peritoneal dialysis [letter] Biasioli S, et al. **Nephron** 1984;37(3):211–2

Spontaneous occurrence of synergistic bacterial gangrene following external pelvic irradiation. Husseinzadeh N, et al. **Obstet Gynecol** 1984 Jun;63(6):859–62

Gram–negative corneal ulcers in elderly aphakic eyes with extended–wear lenses. Lemp MA, et al. **Ophthalmology** 1984 Jan;91(1):60–3

Bacterial adherence and the glycocalyx and their role in musculoskeletal infection. Gristina AG, et al. **Orthop Clin North Am** 1984 Jul;15(3):517–35

Neonatal meningitis due to Lactobacillus. Broughton RA, et al. **Pediatr Infect Dis** 1983 Sep–Oct;2(5):382–4

Aeromonas hydrophila: a treatable cause of diarrhea. Kipperman H, et al. **Pediatrics** 1984 Feb;73(2):253–4

Surgical, infectious and thromboembolic complications of central venous catheterization. Malatinský J, et al. **Resuscitation** 1983 Aug;10(4):271–81

The infected foot of the diabetic patient: quantitative microbiology and analysis of clinical features. Sapico FL, et al. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl 1:S171–6

Bacterial virulence and pathogenesis: an overview. Sparling PF. **Rev Infect Dis** 1983 Sep–Oct;5 Suppl 4:S637–46 (88 ref.)

Infections in surgery. Proceedings from a symposium held at the XVIth Nordic Gastroenterology Meeting, Stavanger, Norway, 1–4 June 1983. **Scand J Gastroenterol [Suppl]** 1984;90:1–106

Intraabdominal infections. Etiology, clinical manifestations, diagnosis and treatment. Liavåg I. **Scand J Gastroenterol [Suppl]** 1983;85:26–33 (14 ref.)

Current patterns of bacterial infection in myelomatosis. Esperaen F, et al. **Scand J Infect Dis** 1984;16(2):169–73

Peritonitis in patients on continuous ambulatory peritoneal dialysis. A changing scene. Grefberg N, et al. **Scand J Infect Dis** 1984;16(2):187–94

The dialysis catheter and infectious peritonitis in intermittent peritoneal dialysis. Kolmos HJ, et al. **Scand J Infect Dis** 1984;16(2):181–5

Pathogenesis of maxillary sinusitis. Lundberg C, et al. **Scand J Infect Dis [Suppl]** 1983;39:53–5

Urinary tract infections—current status. Fair WR. **Semin Urol** 1983 May;1(2):91–6

Infection in artificial blood pump implantation. Fields A, et al. **Trans Am Soc Artif Intern Organs** 1983;29:532–8

Infection in total artificial heart recipients. Murray KD, et al. **Trans Am Soc Artif Intern Organs** 1983;29:539–45

Progressive sclerosing peritonitis: a late and severe complication of maintenance peritoneal dialysis. Slingeneyer A, et al. **Trans Am Soc Artif Intern Organs** 1983;29:633–40

Opportunistic infection, asthma and corticosteroid therapy [letter] Schmidt–Nowara WW. **West J Med** 1984 Feb; 140(2):289–90

[Successful autogenous venograft in the treatment of arterial trauma complicated by severe infection: report of 2 cases] Lin AX. **Chung Hua Wai Ko Tsa Chih** 1983 Aug; 21(8):486–7 **(Chi)**

[Glomerulonephritis disclosing a ventriculoatrial shunt infection] Bataille P, et al. **Agressologie** 1983 Apr; 24(4):181–2 **(Fre)**

[Iatrogenic infection of neurosurgical implanted equipment (epidural, intrathecal, intracerebroventricular catheters). Evaluation of 3 years of use] Batier C, et al. **Agressologie** 1983 Apr;24(4):173–4 (Eng. Abstr.) **(Fre)**

[Infectious complications of open skull injuries and therapeutic management] Mangez JF, et al. **Agressologie** 1983 Apr;24(5):211–3 (Eng. Abstr.) **(Fre)**

[Fulminant infectious syndrome after post–traumatic splenectomy] Marcillon M, et al. **Ann Fr Anesth Reanim** 1983;2(2):92–4 (Eng. Abstr.) **(Fre)**

[Bacterial septicemia in neutropenia patients] Vernant JP, et al. **Ann Med Interne (Paris)** 1983;134(7):629–35 (Eng. Abstr.) **(Fre)**

[Severe infectious complication of soft hydrophilic lenses] Malbrel C, et al. **Bull Soc Ophtalmol Fr** 1983 Jun–Jul; 83(6–7):761–3 (Eng. Abstr.) **(Fre)**

[The risk of infection following intramedullary osteosynthesis in a continuous series of 359 Küntscher nailings] Jekić ML, et al. **Helv Chir Acta** 1984 Jun;51(2):185–7 (Eng. Abstr.) **(Fre)**

[Anaerobic gangrene in the edges of a segmental hysterotomy. Severe infectious complication of a cesarean section. Sequelae. Apropos of a recent case] Rento JJ, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1983;12(5):525–32 (Eng. Abstr.) **(Fre)**

[Rupture of the membranes and amniotic infection. Apropos of 3000 cases] Tessier F, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1983;12(6):633–42 (Eng. Abstr.) **(Fre)**

[Thrombogenic and infectious risk in prolonged catheterization of the radial artery (letter)] Martin C, et al. **Presse Med** 1984 Jun 9;13(24):1517 **(Fre)**

[Etiology of infections in the neonatal period] Vincelette P, et al. **Union Med Can** 1983 Sep;112(9):829–32 (Eng. Abstr.) **(Fre)**

[Catheter–related complications in long–term or ambulatory parenteral feeding] Müller JM, et al. **Dtsch Med Wochenschr** 1984 Jul 6;109(27):1053–8 (Eng. Abstr.) **(Ger)**

[Infectious diarrhea in childhood] Schaad UB, et al. **Helv Paediatr Acta** 1983 Dec;38(5–6):409–16 (17 ref.) (Eng. Abstr.) **(Ger)**

[Bacterial contamination of central veinous catheters. Studies of an intensive care unit in neurology] Schulte RM. **Med Welt** 1983 Oct 14;34(41):1141–2 **(Ger)**

[Infections in patients with gynecologic malignancies] Gerstner GJ. **Wien Klin Wochenschr** 1983 Oct 28; 95(20):708–18 (81 ref.) (Eng. Abstr.) **(Ger)**

[Does influenza virus pave the way for bacteria? (editorial)] Kohn A. **Harefuah** 1983 Feb 15;104(4):155–6 **(Heb)**

[Postsplenectomy sepsis in children] Koren A, et al. **Harefuah** 1983 Nov 1;105(9):252–4 (Eng. Abstr.) **(Heb)**

[Intestinal flora and infection of neonates] Hotta M. **Kansenshogaku Zasshi** 1983 May;57(5):405–18 (Eng. Abstr.) **(Jpn)**

[Infection combined with SLE—analysis of annual of the pathological autopsy cases in Japan] Ishigatsubo Y, et al. **Kansenshogaku Zasshi** 1983 Mar;57(3):212–8 (Eng. Abstr.) **(Jpn)**

[Local infections caused by continuous epidural block: comparison between local anesthetics and morphine] Yamashita M, et al. **Masui** 1983 Jul;32(7):842–7 (Eng. Abstr.) **(Jpn)**

[Studies on the pathogenesis of non–spore–forming anaerobic bacteria in ocular infections. Report 1. Experimental endophthalmitis with Propionibacterium acnes in guinea pigs and transition of viable cells in the vitreous body] Nagai S. **Nippon Ganka Gakkai Zasshi** 1984 Apr; 88(4):712–8 (Eng. Abstr.) **(Jpn)**

[Postsplenectomy infection and immunologic aspects of splenectomy] Sekikawa T, et al. **Nippon Geka Gakkai Zasshi** 1983 Sep;84(9):943–6 (Eng. Abstr.) **(Jpn)**

[Complications of pacing] Igari T, et al. **Rinsho Kyobu Geka** 1984 Jan;4(1):25–9 (Eng. Abstr.) **(Jpn)**

[Sources of hospital infection in surgical wards] Kurdziel Z. **Chir Narzadow Ruchu Ortop Pol** 1983;48(2):159–63 (Eng. Abstr.) **(Pol)**

[Nonspecific osteomyelitis after alloarthroplasty of the hip] Seyfarth H. **Chir Narzadow Ruchu Ortop Pol** 1983; 48(1):53–5 (Eng. Abstr.) **(Pol)**

[Susceptibility to laryngeal and nasal bacterial colonization in patients with diabetes mellitus with asymptomatic bacteriuria] Galiński J, et al. **Pol Tyg Lek** 1983 Mar 14; 38(11):321–4 (Eng. Abstr.) **(Pol)**

[Mechanisms of hospital infection and their classification in the United States] Roach A. **Pol Tyg Lek** 1983 Nov 14; 38(46):1447–50 **(Pol)**

[Aeromonas hydrophila var. anaerogenes as a probable etiologic factor in food poisoning] Jabłońska–Strynkowska W, et al. **Przegl Epidemiol** 1983;37(3–4):455–8 (Eng. Abstr.) **(Pol)**

[Role of R–plasmids in the formation of hospital strains of conditionally–pathogenic gram–negative bacteria] Moroz AF, et al. **Antibiotiki** 1983 Nov;28(11):859–74 (121 ref.) **(Rus)**

[Infectious complications of leukemias and other tumors of the hematopoietic system] Ageev AK. **Arkh Patol** 1983; 45(7):13–20 (Eng. Abstr.) **(Rus)**

[Bacterial infection in patients with obstructive jaundice] Shkrob OS, et al. **Khirurgiia (Mosk)** 1983 Aug;(8):74–7 (Eng. Abstr.) **(Rus)**

[Anaerobic sepsis] Russu VG. **Klin Med (Mosk)** 1983 Nov; 61(11):11–7 (58 ref.) **(Rus)**

[Infectious complications in patients with thoracic injuries under long–term artificial ventilation of the lungs] Avilova OM, et al. **Vestn Khir** 1984 Jan;132(1):132–4 (Eng. Abstr.) **(Rus)**

[Etiological characteristics of pneumonia] Ukhov AIa, et al. **Vrach Delo** 1984 Jun;(6):119–23 (Eng. Abstr.) **(Rus)**

[Osteoarticular infections in heroin addicts (letter)] Force L, et al. **Med Clin (Barc)** 1983 Sep 17;81(7):321–2 **(Spa)**

[Pulmonary infections in renal transplant] Zurbano F, et al. **Med Clin (Barc)** 1984 Apr 7;82(13):563–6 (Eng. Abstr.) **(Spa)**

[Infections in liver cirrhosis] Díaz Curiel M, et al. **Rev Clin Esp** 1984 Mar 15;172(5):241–50 (67 ref.) **(Spa)**

HISTORY

Bacterial pneumonia in the elderly: the observations of Sir William Osler in retrospect. Berk SL. **J Am Geriatr Soc** 1984 Sep;32(9):683–5

Classics in infectious diseases. 'On abscesses'. Alexander Ogston (1844–1929). **Rev Infect Dis** 1984 Jan–Feb; 6(1):122–8

[Intrauterine and neonatal infections. Historical retrospective] Wilken H. **Zentralbl Gynakol** 1983;105(16):1035–40 **(Ger)**

IMMUNOLOGY

Capnocytophaga infection: a risk in the immunocompromised host. Rummens JL, et al. **Acta Clin Belg** 1984;39(2):109–13

Comparative opsonic activity of intravenous gamma globulin preparations for common bacterial pathogens. Hill HR, et al. **Am J Med** 1984 Mar 30;76(3A):61–6

Immunologic response of trauma and burns. An overview. Munster AM. **Am J Med** 1984 Mar 30;76(3A):142–5 (39 ref.)

Host defense abnormalities predisposing the patient to infection. Peterson PK. **Am J Med** 1984 May 15; 76(5A):2–10 (47 ref.)

Significance of serum bactericidal activity in gram–negative bacillary bacteremia in patients with and without granulocytopenia. Sculier JP, et al. **Am J Med** 1984 Mar; 76(3):429–35

The walk–in anergic patient. How best to assess the risk of sepsis following elective surgery. Christou NV, et al. **Ann Surg** 1984 Apr;199(4):438–44

Anergy secondary to sepsis in rats. Relation to outcome. Bohnen JM, et al. **Arch Surg** 1984 Jan;119(1):117–20

Chronic bacterial infection models for BRM screening. Dickneite G, et al. **Behring Inst Mitt** 1984 May;(74):174–82

Viral and bacterial infectious diseases. Porterfield JS, et al. **Br Med Bull** 1984 Jul;40(3):283–90 (92 ref.)

Constant defect in neutrophil locomotion but with age decreasing susceptibility to infection in Shwachman syndrome. Ruutu P, et al. **Clin Exp Immunol** 1984 Jul; 57(1):249–55

Chemiluminescence of whole blood. II. Application to clinical examination of phagocytic functions of whole blood from various types of disease. Tono–oka T, et al. **Clin Immunol Immunopathol** 1983 Dec;29(3):333–40

Resistance to bacterial and parasitic infections in the nutritionally compromised host. Watson RR, et al. **CRC Crit Rev Microbiol** 1984;10(4):297–315 (127 ref.)

Antibacterial defence mechanisms. Hahn H. **Infection** 1983; 11 Suppl 2:S112–8

Defence of mucous membranes by antibodies, receptor analogues and non–specific host factors. Hanson LA, et al. **Infection** 1984 Mar–Apr;12(2):111–5

T cell clones and their products: experimental clues for the immunoprophylaxis and immunotherapy of intracellular bacterial infections? Kaufmann SH. **Infection** 1984 Mar–Apr;12(2):124–30

The bactericidal activity in serum and its prognostic clinical value. Klastersky J. **Infection** 1983;11 Suppl 2:S93–6

Stimulation of non–specific resistance to infections by synthetic immunoregulatory agents. Parant M, et al. **Infection** 1984 May–Jun;12(3):230–4

Immunoactive peptides, FK–156 and FK–565. III. Enhancement of host defense mechanisms against infection. Mine Y, et al. **J Antibiot (Tokyo)** 1983 Aug;36(8):1059–66

Immunoactive peptides, FK–156 and FK–565. II. Restoration of host resistance to microbial infection in immunosuppressed mice. Yokota Y, et al. **J Antibiot (Tokyo)** 1983 Aug;36(8):1051–8

Deficiency of a surface membrane glycoprotein (Mo1) in man. Dana N, et al. **J Clin Invest** 1984 Jan;73(1):153–9

Lymphoid cell blastogenesis as an in vitro indicator of cellular immunity to Legionella pneumophila antigens.

Friedman F, et al. **J Clin Microbiol** 1984 Jun;19(6):834–7
Failure of opsonization as a sign of lethal sepsis. Cohen IR, et al. **J Infect Dis** 1984 Apr;149(4):651
Enhanced susceptibility of cyclophosphamide-treated mice to infection with Legionella pneumophila. Widen R, et al. **J Infect Dis** 1984 Jun;149(6):1023–4
The effect of malignant epithelial tumors, surgical therapy, and bacterial sepsis upon various parameters of interferon system. Ikossi-O'Connor MG, et al. **J Surg Oncol** 1984 May;26(1):27–34
The effect of tuftsin and splenectomy on mortality after intraabdominal sepsis. Baker CC, et al. **J Surg Res** 1984 May;36(5):499–502
An assessment of animal models for testing the effect of photochemical oxidants on pulmonary susceptibility to bacterial infection. Goldstein E. **J Toxicol Environ Health** 1984;13(2–3):415–21 (32 ref.)
Opportunistic infections and immunity. Arai T. **Kitasato Arch Exp Med** 1983 Jun;56(1–2):1–7 (7 ref.)
Role of splenectomy in homozygous sickle cell disease in childhood. Emond AM, et al. **Lancet** 1984 Jan 14; 1(8368):88–91
Complement deficiency states and infection: epidemiology, pathogenesis and consequences of neisserial and other infections in an immune deficiency. Ross SC, et al. **Medicine (Baltimore)** 1984 Sep;63(5):243–73 (280 ref.)
Bacteria and bacterial exotoxins induce leukotriene formation from human polymorphonuclear granulocytes. Bremm KD, et al. **Monogr Allergy** 1983;18:196–200
Hyperimmunoglobulin-E-associated recurrent infection syndrome accompanied by chemotactic inhibition of polymorphonuclear leukocytes and monocytes. Chikazawa S, et al. **Pediatr Res** 1984 Apr;18(4):365–9
Complement deficiency syndromes and bacterial infections. Veitch J, et al. **Prog Brain Res** 1983;59:69–80
Bacteria–immune system interactions. XI. Age-associated changes in nude mice responsiveness to bacteria. Lewis JA, et al. **Prog Clin Biol Res** 1983;133:101–5
Genetic regulation of host resistance to bacterial infection. Skamene E. **Rev Infect Dis** 1983 Sep–Oct;5 Suppl 4:S823–32 (34 ref.)
Neonatal white blood cell disorders. Engle WA, et al. **Semin Perinatol** 1983 Jul;7(3):184–200 (89 ref.)
The role of complement in host resistance to bacteria. Brown EJ, et al. **Springer Semin Immunopathol** 1983;6(4):349–60 (32 ref.)
Anticore endotoxin F(ab')2 equine immunoglobulin fragments protect against lethal effects of gram-negative bacterial sepsis. Dunn DL, et al. **Surgery** 1984 Aug; 96(2):440–6
Phagocytes vs. bacteria, biological detente. Quie PG. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 Apr; 256(4):401–7
Prevention and treatment of gastrointestinal infections in infants by using immunobiologic methods. Lodinová R, et al. **Zentralbl Gynakol** 1984;106(11):782–6
Immunological aspects of neonatal infections. Miler I, et al. **Zentralbl Gynakol** 1984;106(11):715–20
[Aspects of the interrelationship between the infected host and the pathogenic agent] Clumeck N. **Ann Biol Clin (Paris)** 1983;41(6):397–401 (Eng. Abstr.) **(Fre)**
[Characteristics of the immunology of newborn infants] Menzel K. **Zentralbl Gynakol** 1984;106(11):709–14 **(Ger)**
[Results of a screening program for prenatal infections in low-birth weight infants] Rosanelli K, et al. **Zentralbl Gynakol** 1984;106(11):721–4 **(Ger)**
[Premature rupture of membranes, fetal immunoglobulins and perinatal infections] Sulyok E, et al. **Orv Hetil** 1983 Dec 18;124(51):3107–13 (Eng. Abstr.) **(Hun)**
[Factors of chronicity caused by a deficit of T cells in bacterial and mycotic bronchopathies. Trials on immunomodulation] Bagnato G, et al. **Arch Monaldi** 1982 May–Jun;37(3–4):163–70 **(Ita)**
[Cellular immunity and the tuberculin reaction in bacterial, viral and Mycoplasma pneumonias] Suzuyama Y. **Kekkaku** 1983 Oct;58(10):549–52 **(Jpn)**
[Host defense mechanism in experimentally immunocompromised animals and restorative effect of immunopotentiators] Yokota Y. **Nippon Saikingaku Zasshi** 1984 Jan;39(1):29–46 (Eng. Abstr.) **(Jpn)**
[IgA, IgG and IgM concentrations in newborn infants with fetal growth retardation and infections] Norska-Borówka I, et al. **Pediatr Pol** 1984 Feb;59(2):101–6 (Eng. Abstr.) **(Pol)**
[Allergic skin lesions in sensitization to intestinal autoflora in patients with colitis] Ol'shanskiĭ IaO, et al. **Klin Med (Mosk)** 1983 Aug;61(8):91–5 (Eng. Abstr.) **(Rus)**
[The change in leukocyte adherence reaction for determining leukocyte sensitization and adhesion] Novikova VI, et al. **Lab Delo** 1984;(6):336–9 (Eng. Abstr.) **(Rus)**
[Clinical significance of granulocyte sensitization in bacterial infections in children] Novikova VI. **Pediatriia** 1983 Jun; (6):12–6 (Eng. Abstr.) **(Rus)**
[Evaluation of several immunologic indices in suppurative surgical infections] Barashkov VG, et al. **Vestn Khir** 1984 Feb;132(2):7–11 (Eng. Abstr.) **(Rus)**
[Immunological and bacteriological parallels in acute abscesses and gangrene of the lungs] Ostrovskiĭ VK. **Vestn Khir** 1984 May;132(5):8–10 (Eng. Abstr.) **(Rus)**
[Immunology of angiogenic sepsis] Shikhverdiev NN. **Vestn Khir** 1984 Feb;132(2):11–5 (Eng. Abstr.) **(Rus)**

METABOLISM

Cefonicid concentrations in human aqueous humor. Axelrod JL, et al. **Arch Ophthalmol** 1984 Mar;102(3):433–4
Alterations in hepatic water and electrolyte balance in sepsis. Clemens MG, et al. **Arch Surg** 1984 Jan;119(1):44–8
Static and dynamic properties of tissue cage fluid in rabbits. Bergholm AM, et al. **Eur J Clin Microbiol** 1984 Apr; 3(2):126–30
Insulin receptors in acute infection: a study of factors conferring insulin resistance. Drobny EC, et al. **J Clin Endocrinol Metab** 1984 Apr;58(4):710–6
C-reactive protein in serum and cerebrospinal fluid in various neurological disorders. Apparent local consumption during bacterial meningitis. Sindic CJ, et al. **J Neurol Sci** 1984 Mar;63(3):339–44
Alterations in the metabolism of exogenous lipid associated with sepsis. Dahn MS, et al. **JPEN** 1984 Mar–Apr; 8(2):169–73
Molecular biology of host–parasite relationship in infectious diseases, especially in salmonellosis, tuberculosis and leprosy. Akiyama T. **Kitasato Arch Exp Med** 1983 Sep; 56(3):45–61
A modified infant mouse assay for bacterial enterotoxins. Berry RJ, et al. **Trans R Soc Trop Med Hyg** 1983; 77(5):699–701
[Formation of 17-ketoderivatives of testosterone in the prostate gland and liver of dogs with bacterial uro(urethro)genic prostatitis] Imshinetskaia LP, et al. **Fiziol Zh** 1984 Mar–Apr;30(2):245–8 **(Rus)**
[Role of prostaglandins in the pathogenesis of acute intestinal infections] Tur'ianov MKh, et al. **Klin Med (Mosk)** 1983 Jul;61(7):102–5 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Bacterial colonization of newborn infants in an intensive care unit. Schmidt M, et al. **Acta Microbiol Hung** 1983; 30(3–4):259–62
Bacterial meningitis in older neonates. Baumgartner ET, et al. **Am J Dis Child** 1983 Nov;137(11):1052–4
Clinical and microbial features of prosthetic joint infection. Inman RD, et al. **Am J Med** 1984 Jul;77(1):47–53
Extrinsic factors that put patients at risk of acquiring central nervous system infections. Robinson EN Jr, et al. **Am J Med** 1984 May 15;76(5A):208–14 (52 ref.)
Aerobic and anaerobic bacteriologic features of serous otitis media in children. Brook I, et al. **Am J Otolaryngol** 1983 Nov–Dec;4(6):389–92
Influence of mycoplasma preinfection on the expression of Moraxella bovis pathogenicity. Rosenbusch RF. **Am J Vet Res** 1983 Sep;44(9):1621–4
Acute epididymitis and Chlamydia trachomatis. Nilsson S, et al. **Ann Chir Gynaecol** 1984;73(1):42–4
Cat scratch fever and cocco-bacillary bacteria [letter] Blumstein CL. **Ann Intern Med** 1984 May;100(5):771
Legionella pneumophila serogroup 9: a cause of human pneumonia. Edelstein PH, et al. **Ann Intern Med** 1984 Aug; 101(2):196–8
A new Legionella species, Legionella feeleii species nova, causes Pontiac fever in an automobile plant. Herwaldt LA, et al. **Ann Intern Med** 1984 Mar;100(3):333–8
Localization and persistence of spiroplasmas in an experimental brain infection in suckling rats. Tully JG, et al. **Ann Microbiol (Paris)** 1984 Jan–Feb;135A(1):111–7
A pitfall in purulent arthritis brought out in Kingella kingae infection of the knee. Salminen I, et al. **Ann Rheum Dis** 1984 Aug;43(4):656–7
Soft tissue infections in parenteral drug abusers. Orangio GR, et al. **Ann Surg** 1984 Jan;199(1):97–100
In vitro antimicrobial activity of aztreonam alone and in combination against bacterial isolates from pediatric patients. Stutman HR, et al. **Antimicrob Agents Chemother** 1984 Feb;25(2):212–5
Variably acid-fast bacteria in a fatal case of Hodgkin's disease. Cantwell AR Jr, et al. **Arch Dermatol** 1984 Mar; 120(3):401–2
Aeromonas hydrophila gastroenteritis. Palfreeman SJ, et al. **Aust NZ J Med** 1983 Oct;13(5):524–5
Two cases of Capnocytophaga bacteremia, one with endocarditis [letter] Montejo Baranda M, et al. **Can Med Assoc J** 1984 Jun 1;130(11):1420
Intra-abdominal infection: microbiological and clinical aspects, with special reference to piperacillin prophylaxis and therapy. Nord CE, et al. **Clin Ther** 1984;6 Suppl A:12–26
Infections in the female genital tract. Gall SA. **Compr Ther** 1983 Aug;9(8):34–47 (19 ref.)
DF-2: a fastidious fermentative gram-negative rod. Rubin SJ. **Eur J Clin Microbiol** 1984 Jun;3(3):253–7
Increased frequency of isolation of Pasteurella and Actinobacillus species and related organisms. Sakazaki R, et al. **Eur J Clin Microbiol** 1984 Jun;3(3):244–8
Fastidious gram-negative, facultatively anaerobic rods: a renewed interest. von Graevenitz A. **Eur J Clin Microbiol** 1984 Jun;3(3):223–4
Microbiological & clinical studies in diarrhoea due to Plesiomonas shigelloides. Huq MI, et al. **Indian J Med Res** 1983 Jun;77:793–7
Bacterial adherence to periurethral epithelial cells in women with urinary tract infection. Raghoji NS, et al. **Indian J Med Res** 1983 Jun;77:802–7
Longitudinal analysis of endemic gentamicin- and tobramycin-resistant gram-negative bacilli in a community hospital. Magnussen CR, et al. **Infect Control** 1984 Feb; 5(2):88–92
Flavobacterium meningosepticum. Ratner H. **Infect Control** 1984 May;5(5):237–9
Serratia marcescens. Verrall R. **Infect Control** 1983 Nov–Dec;4(6):469–71
Significance of encapsulated Bacteroides melaninogenicus and Bacteroides fragilis groups in mixed infections. Brook I, et al. **Infect Immun** 1984 Apr;44(1):12–5
Which number of infecting bacteria is of clinical relevance? Schaad UB. **Infection** 1983;11 Suppl 2:S87–9
Urinary tract infection and drug-resistant bacteria in different patient populations. Nitzan Y, et al. **Isr J Med Sci** 1983 Dec;19(12):1039–45
Oral microbial infection [letter] Matusow RJ. **J Am Dent Assoc** 1984 Jan;108(1):8, 10
Hemagglutination patterns of Aeromonas spp. in relation to biotype and source. Burke V, et al. **J Clin Microbiol** 1984 Jan;19(1):39–43
Simonsiella filaments isolated from erosive lesions of the human oral cavity. Carandina G, et al. **J Clin Microbiol** 1984 Jun;19(6):931–3
Biotyping of Aeromonas isolates as a correlate to delineating a species-associated disease spectrum. Janda JM, et al. **J Clin Microbiol** 1984 Jan;19(1):44–7
Plasmid profiles of clinical and environmental isolates of Legionella pneumophila serogroup 1. Maher WE, et al. **J Clin Microbiol** 1983 Dec;18(6):1422–3
Examination of the morphology of bacteria adhering to peritoneal dialysis catheters by scanning and transmission electron microscopy. Marrie TJ, et al. **J Clin Microbiol** 1983 Dec;18(6):1388–98
Nosocomial colonization and infection by Achromobacter xylosoxidans. Reverdy ME, et al. **J Clin Microbiol** 1984 Feb;19(2):140–3
Septic arthritis involving Capnocytophaga ochracea. Winn RE, et al. **J Clin Microbiol** 1984 Apr;19(4):538–40
The bacteriology of infected malignant ulcers. Rotimi VO, et al. **J Clin Pathol** 1984 May;37(5):592–5
Non-gastrointestinal Bacillus cereus infections: an analysis of exotoxin production by strains isolated over a two-year period. Turnbull PC, et al. **J Clin Pathol** 1983 Oct; 36(10):1091–6
Microbiological and immunological aspects of oral diseases. Proceedings of the Ninth International Conference on Oral Biology. July 28–30, 1983, Sydney, Australia. **J Dent Res** 1984 Mar;63(3):371–483
Aerobic and anaerobic bacteria in neurosurgical infections. Per-operative culture with flexible contact agar film. Kamme C, et al. **J Hosp Infect** 1984 Jun;5(2):147–54
In vitro susceptibility of hospital isolates of various bacterial genera to chlorhexidine. Pitt TL, et al. **J Hosp Infect** 1983 Jun;4(2):173–6
Clinical and microbiological characterization of patients with nonspecific vaginosis associated with motile, curved anaerobic rods. Thomason JL, et al. **J Infect Dis** 1984 May; 149(5):801–9
Perinatal bacterial infection after prolonged rupture of amniotic membranes: an analysis of risk and management. St. Geme JW Jr, et al. **J Pediatr** 1984 Apr;104(4):608–13
An in-vitro model of intracellular bacterial infection using the murine macrophage cell line J774.2. Stevenson M, et al. **J Pharm Pharmacol** 1984 Feb;36(2):90–4
Branhamella catarrhalis septic arthritis. Craig DB, et al. **J Rheumatol** 1983 Dec;10(6):985–6
Bacillus cereus-induced myonecrosis. Johnson DA, et al. **J Trauma** 1984 Mar;24(3):267–70
Clinical and microbiological features of Branhamella catarrhalis bronchopulmonary infections. Slevin NJ, et al. **Lancet** 1984 Apr 7;1(8380):782–3
Clean vs. sterile tracheotomy care and level of pulmonary infection. Harris RB, et al. **Nurs Res** 1984 Mar–Apr; 33(2):80–5
Anaerobic septic arthritis and osteomyelitis. Hall BB, et al. **Orthop Clin North Am** 1984 Jul;15(3):505–16
The use of the bladder wash-out test in patients with spinal cord lesions who have urinary tract infection. Wyndaele JJ, et al. **Paraplegia** 1983 Oct;21(5):294–300
Aeromonas hydrophila gastroenteritis in Tuscany children [letter] Figura N, et al. **Pediatr Infect Dis** 1984 May–Jun; 3(3):283–4
Aeromonas: biology of the organism and diseases in children. Freij BJ. **Pediatr Infect Dis** 1984 Mar–Apr;3(2):164–75 (161 ref.)
Plesiomonas: biology of the organism and diseases in children. McNeeley D, et al. **Pediatr Infect Dis** 1984 Mar–Apr; 3(2):176–81 (51 ref.)
Necrotizing enterocolitis and neuraminidase-producing bacteria: a challenge for future investigations [letter] Duc G. **Pediatrics** 1984 Sep;74(3):447
Anaerobic infections in childhood. Brook I. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl 1:S187–92 (43 ref.)
Anaerobes in infections of the head and neck and ear, nose, and throat. Busch DF. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl 1:S115–22 (57 ref.)
The role of anaerobic bacteria in intraabdominal infections. Dunn DL, et al. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl 1:S139–46 (51 ref.)

Role of anaerobic bacteria in bite-wound infections. Goldstein EJ, et al. **Rev Infect Dis** 1984 Mar-Apr;6 Suppl 1:S177-83 (63 ref.)

Anaerobes in burn-wound infections. Murray PM, et al. **Rev Infect Dis** 1984 Mar-Apr;6 Suppl 1:S184-6 (23 ref.)

Anaerobic mediastinitis. Murray PM, et al. **Rev Infect Dis** 1984 Mar-Apr;6 Suppl 1:S123-7 (26 ref.)

Anaerobic bacteria in bone and joint infections. Nakata MM, et al. **Rev Infect Dis** 1984 Mar-Apr;6 Suppl 1:S165-70 (39 ref.)

Anaerobic oral and dental infection. Newman MG. **Rev Infect Dis** 1984 Mar-Apr;6 Suppl 1:S107-14 (61 ref.)

Pulmonary infection due to anaerobes in a hospital autopsy survey. Saito A, et al. **Rev Infect Dis** 1984 Mar-Apr;6 Suppl 1:S128-31

Biliary tract infection with anaerobes and the presence of free bile acids in bile. Shimada K, et al. **Rev Infect Dis** 1984 Mar-Apr;6 Suppl 1:S147-51 (24 ref.)

Anaerobic osteomyelitis of long bones. Templeton WC 3d, et al. **Rev Infect Dis** 1983 Jul-Aug;5(4):692-712

Anaerobic bacterial diseases now and then: where do we go from here? Willis AT. **Rev Infect Dis** 1984 Mar-Apr; 6 Suppl 1:S293-9 (67 ref.)

Anaerobic bacteria as cause of infections in female genital organs. Bergan T. **Scand J Gastroenterol [Suppl]** 1983; 85:37-47 (39 ref.)

Diagnostic considerations and sample collection for anaerobic bacteria. Bergan T. **Scand J Gastroenterol [Suppl]** 1983;85:5-14

Anaerobic infections of the oral cavity and the ears, nose and throat. Gaustad P. **Scand J Gastroenterol [Suppl]** 1983; 85:68-73 (16 ref.)

Anaerobic infections in children. Lingaas E. **Scand J Gastroenterol [Suppl]** 1983;85:59-68 (50 ref.)

Bacterial infections of the liver and biliary tract. Løtveit T. **Scand J Gastroenterol [Suppl]** 1983;85:33-6 (14 ref.)

Sepsis, endocarditis, and brain abscess. Madsen ST. **Scand J Gastroenterol [Suppl]** 1983;85:48-54 (10 ref.)

Anaerobic infections in clinical medicine. A microbiological and clinical introduction. Midtvedt T, et al. **Scand J Gastroenterol [Suppl]** 1983;85:1-4

Anaerobic pulmonary infections. Schreiner A. **Scand J Gastroenterol [Suppl]** 1983;85:55-9

Skin and soft tissue infections caused by anaerobic bacteria. Schreiner A. **Scand J Gastroenterol [Suppl]** 1983;85:23-5

The role of anaerobic bacteria in some extra-abdominal infections including person-to-person contamination. Willis T. **Scand J Gastroenterol [Suppl]** 1984;91:87-94 (20 ref.)

The clinical significance of bacterial growth in venous leg ulcers. Eriksson G, et al. **Scand J Infect Dis** 1984; 16(2):175-80

Bacteriological aspects of infections of the upper respiratory tract. Kallings LO. **Scand J Infect Dis [Suppl]** 1983;39:9-13

Clinical aspects on bacterial infections in the upper respiratory tract. Norrby R. **Scand J Infect Dis [Suppl]** 1983;39:14-8

Antimicrobial susceptibility of comma-shaped bacteria isolated from the vagina. Skarin A, et al. **Scand J Infect Dis [Suppl]** 1983;40:81-4

Gardnerella vaginalis and anaerobic bacteria in the etiology of bacterial (nonspecific) vaginosis. Spiegel CA, et al. **Scand J Infect Dis [Suppl]** 1983;40:41-6

Betalactamase-producing microorganisms in recurrent tonsillitis. Tunér K, et al. **Scand J Infect Dis [Suppl]** 1983; 39:83-5

A clinical evaluation of positive blood cultures and bacteremia. Lim TK, et al. **Singapore Med J** 1983 Jun; 24(3):128-34

The significance of anaerobic bacteria in biliary tract infection after hepatic portoenterostomy for biliary atresia. Brook I, et al. **Surgery** 1984 Mar;95(3):281-3

What's new with 'turista'—causes, treatment, and prevention. Patterson T, et al. **Tex Med** 1983 Nov;79(11):40-3

Frequent isolation of Propionibacterium acnes from sarcoidosis lymph nodes. Abe C, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 Apr; 256(4):541-7

Resistance-plasmid- and protease-independent murine virulence of a multiple-drug-resistant strain of Serratia marcescens. Traub WH, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Dec; 256(2):184-95

[Microbiologic studies of closed-wound drainage following urologic surgery] Ieger N, et al. **Khirurgiia (Sofiia)** 1983; 36(5):465-8 **(Bul)**

[New bacteriologic aspects in infectious pathology] Wauters G. **Ann Biol Clin (Paris)** 1983;41(6):393-5 (Eng. Abstr.) **(Fre)**

[Reactive arthritis in children] Piussan C, et al. **Ann Pediatr (Paris)** 1983 Oct;30(8):581-91 (Eng. Abstr.) **(Fre)**

[An Aeromonas hydrophila choleriform syndrome. Apropos of a case from the Ivory Coast] Dosso M, et al. **Bull Soc Pathol Exot Filiales** 1984 Jan-Feb;77(1):28-31 (Eng. Abstr.) **(Fre)**

[So-called dysbacteria] Seeliger H, et al. **Dtsch Med Wochenschr** 1984 Feb 17;109(7):243-5 **(Ger)**

[Therapy of urinary tract infections: striking Gram-negative germs. Changes in the bacterial spectrum and resistance in a group of patients over an 18-year period] Gussmann S. **Fortschr Med** 1983 Sep 22;101(36):1626-9 **(Ger)**

[Role of Gardnerella vaginalis and anaerobes. Etiology of nonspecific colpitis] Hammann R, et al. **Fortschr Med** 1984 Mar 15;102(10):255-8 (Eng. Abstr.) **(Ger)**

[Bacterial etiology of hospital-acquired infections] Daschner F. **Immun Infekt** 1984 Jun;12(3):139-42 (Eng. Abstr.) **(Ger)**

[Status of transtracheal aspiration in the diagnosis of etiologically unsolved pneumonia] Dickgiesser U, et al. **Prax Klin Pneumol** 1984 Feb;38(2):47-53 **(Ger)**

[Differential diagnostic demarcations of infectious and non-infectious myocardial diseases] Kuhn H. **Verh Dtsch Ges Herz Kreislaufforsch** 1983;49:161-6 **(Ger)**

[A new method for culturing sporeless anaerobic bacteria from clinical material] Bölter C, et al. **Z Arztl Fortbild (Jena)** 1983;77(22):925-7 **(Ger)**

[The aerobic bacteria spectrum of pyogenic infections in the maxillofacial region and its change as affected by antimicrobial chemotherapy] Schulz S, et al. **Z Gesamte Hyg** 1984 May;30(5):273-5 (Eng. Abstr.) **(Ger)**

[Neonatology aspects of amnion infection syndromes] Uhlemann M, et al. **Zentralbl Gynakol** 1984;106(11):749-52 **(Ger)**

[Legionella dumoffii pneumonia observed during an influenza epidemic] Molnár L, et al. **Orv Hetil** 1984 Jul 29; 125(31):1891-4 (Eng. Abstr.) **(Hun)**

[Cases of sepsis in the Institute of Infective Diseases of the University of Perugia (1971-1981): etiologic agents, sepsigenic foci and therapeutic aspects] Frongillo RF, et al. **Clin Ter** 1983 Dec 15;107(5):375-80 (Eng. Abstr.) **(Ita)**

[Bacteriological study of 922 chronic hospitalized bronchopneumopathy patients] Melica A, et al. **G Clin Med** 1983 Sep-Oct;64(9-10):362-71 (Eng. Abstr.) **(Ita)**

[Fosfomycin susceptibility of clinical isolates from otorhinolaryngological infections] Deguchi K. **Jpn J Antibiot** 1983 Oct;36(10):2844-8 (Eng. Abstr.) **(Jpn)**

[Bacteriological examination of the body cavity fluids] Yoshii S. **Rinsho Byori** 1983 Sep;31(9):955-60 **(Jpn)**

[Bacterial flora in infections of the upper respiratory tract in children] Swiderski M. **Pediatr Pol** 1983 Apr;58(4):341-6 (Eng. Abstr.) **(Pol)**

[Bacterial flora of the urogenital tract in men with non-gonorrheal urethritis] Lawrynowicz R, et al. **Przegl Dermatol** 1984 Jan-Feb;71(1):47-51 (Eng. Abstr.) **(Pol)**

[Bacterial flora in hospital internal medicine departments] Kurdziel Z. **Wiad Lek** 1983 May 15;36(10):831-5 (Eng. Abstr.) **(Pol)**

[Clinico-bacteriological characteristics of children born to mothers with risk factors of pre- and intranatal infection of the fetus and newborn infant] Kalinicheva VI, et al. **Akush Ginekol (Mosk)** 1984 Jul;(7):49-51 (Eng. Abstr.) **(Rus)**

[Anaerobic bacteria from microbial foci in acute odontogenic inflammatory diseases] Oleinik II, et al. **Antibiotiki** 1984 Apr;29(4):275-6 (Eng. Abstr.) **(Rus)**

[Anaerobic nonsporulating infection in lung and pleural diseases] Ivchenko VN, et al. **Klin Khir** 1983 Oct;(10):9-13 (Eng. Abstr.) **(Rus)**

[Use of milk-hydrolysate medium to isolate Bifidobacterium in intestinal dysbacteriosis] Podchas NI, et al. **Lab Delo** 1983;(8):50-1 (Eng. Abstr.) **(Rus)**

[Current aspects of intestinal dysbacteriosis and its bacterial diagnosis] Smolianskaia AZ, et al. **Lab Delo** 1984;(3):167-71 **(Rus)**

[Changes in the biocenosis of the mouth as an indication of intestinal dysbacteriosis] Tolkacheva TV, et al. **Lab Delo** 1983;(8):53-5 (Eng. Abstr.) **(Rus)**

[Use of inbred animals in microbiological research] Baltrashevich AK. **Vestn Akad Med Nauk SSSR** 1983; (9):63-8 (41 ref.) (Eng. Abstr.) **(Rus)**

[Pontiac fever] Erice A, et al. **Med Clin (Barc)** 1984 Apr 21;82(15):676-7 (Eng. Abstr.) **(Spa)**

[The use of Gram staining] Roy C, et al. **Med Clin (Barc)** 1984 Jul 14;83(6):256-61 **(Spa)**

[Bactericidal activity of neutrophils in patients with severe and moderate infections] Goldenberg DB, et al. **Medicina (B Aires)** 1983;43(6 Pt 1):653-8 (Eng. Abstr.) **(Spa)**

MORTALITY

Chronic recurrent spontaneous bacterial peritonitis. Dave P, et al. **Am J Gastroenterol** 1983 Nov;78(11):745-6

Synthetic vascular graft infection. The continuing headache. Bunt TJ, et al. **Am Surg** 1984 Jan;50(1):43-8

The influence of sepsis and multisystem and organ failure on mortality in the surgical intensive care unit. Manship L, et al. **Am Surg** 1984 Feb;50(2):94-101

The role of naturally-acquired bacterial infection in influenza-related death in neonatal ferrets. Husseini RH, et al. **Br J Exp Pathol** 1983 Oct;64(5):559-69

Hydroxyethylstarch administration does not depress reticuloendothelial function or increase mortality from sepsis. Shatney CH, et al. **Circ Shock** 1984;13(1):21-6

[Infectious broncho-pleuro-pneumopathies: medico-legal aspects] Sow ML, et al. **Dakar Med** 1983;28(1):149-57 (Eng. Abstr.) **(Fre)**

[Infectious diseases in the aged] Inamatsu T, et al. **Nippon Rinsho** 1983 Oct;41(10):2232-7 **(Jpn)**

[Extrahospital death] de León-Sánchez J, et al. **Bol Med Hosp Infant Mex** 1983 Aug;40(8):434-9 (Eng. Abstr.) **(Spa)**

OCCURRENCE

A study of the incidence of neonatal conjunctivitis and of its bacterial causes including Chlamydia trachomatis. Clinical examination, culture and cytology of tear fluid. Mølgaard IL, et al. **Acta Ophthalmol (Copenh)** 1984 Jun; 62(3):461-71

National survey on outbreaks associated with whirlpool spas. Spitalny KC, et al. **Am J Public Health** 1984 Jul;74(7):725-6

Incidence of bile infection in biliary lithiasis. Effects on postoperative bacteremia of choledochoduodenostomy, T-tube drainage, and primary closure of the common bile duct after choledochotomy—a prospective clinical trial. Lygidakis NJ. **Am Surg** 1984 May;50(5):236-40

A longitudinal study of the prevalence of bacterial enteric pathogens among adults with diarrhea in Bangkok, Thailand. Echeverria P, et al. **Diagn Microbiol Infect Dis** 1983 Sep;1(3):193-204

Aeromonas species in clinical microbiology: significance, epidemiology, and speciation. Janda JM, et al. **Diagn Microbiol Infect Dis** 1983 Sep;1(3):221-8

Nonspecific proctocolitis in northeastern Scotland—another view [letter] Blaser MJ. **Gastroenterology** 1984 May;86(5 Pt 1):1003-4

Neonatal nosocomial infections. Narayanan I. **Indian J Pediatr** 1983 Jul-Aug;50(405):435-44

Non-gonococcal ophthalmitis associated with erythromycin ointment prophylaxis of gonococcal ophthalmia neonatorum. Mooney BR, et al. **Infect Control** 1984 Mar; 5(3):138-40

A prevalence survey of infections in a combined acute and long-term care hospital. Standfast SJ, et al. **Infect Control** 1984 Apr;5(4):177-84

Fever in the first month of life. Amir J, et al. **Isr J Med Sci** 1984 May;20(5):447-8

A small outbreak of Serratia marcescens sepsis and meningitis. Muhlbauer B, et al. **Isr J Med Sci** 1983 Nov; 19(11):980-1

Twelve-month surveillance of infections in institutionalized elderly men. Nicolle LE, et al. **J Am Geriatr Soc** 1984 Jul;32(7):513-9

Seasonality of symptomatic bacterial urinary infections in women. Anderson JE. **J Epidemiol Community Health** 1983 Dec;37(4):286-90

Bacterial, fungal and parasitic flora in vaginitis. Solanki A, et al. **J Indian Med Assoc** 1983 Nov;81(9-10):151-3

Blood culture isolates at Green Lane Hospital, 1972-1982. Sage MJ, et al. **NZ Med J** 1984 Aug 8;97(761):531-3

Epidemiology of acute otitis media in children. Lundgren K, et al. **Scand J Infect Dis [Suppl]** 1983;39:19-25

Food-borne infections and intoxications—recent trends and prospects for the future. Gilbert RJ. **Soc Appl Bacteriol Symp Ser** 1983;11:47-66 (66 ref.)

Infections after bone marrow transplantation using cyclosporine. Kay HE, et al. **Transplantation** 1983 Nov; 36(5):491-5

Modern epidemiological aspects of hospital infections in obstetric patients and neonatals. Losonczy G. **Zentralbl Gynakol** 1983;105(17):1139-42

[Postoperative infectious complications in neurosurgery] Dematons C, et al. **Agressologie** 1983 Apr;24(4):129-32 (Eng. Abstr.) **(Fre)**

[Aeromonas hydrophila in Ivory Coast Epidemiologic and ecologic aspects and its enteropathogenic role] Dosso M, et al. **Bull Soc Pathol Exot Filiales** 1984 Jan-Feb; 77(1):17-27 (Eng. Abstr.) **(Fre)**

[Retrospective study of infection in cirrhotic patients (apropos of 125 patients)] Bony M, et al. **LARC Med** 1983 Oct;3(8):593-5 **(Fre)**

[Aeromonas hydrophila septicemia. Epidemiologic aspects. 15 cases] Picard B, et al. **Presse Med** 1984 May 5; 13(19):1203-5 (Eng. Abstr.) **(Fre)**

[Hazards of infections from bacteria, fungi and amebae in the cooling and rinse waters of dental units] Just HM, et al. **Dtsch Zahnarztl Z** 1984 Jan;39(1):60-4 (Eng. Abstr.) **(Ger)**

[Incidence of bacterial infections during hemodialysis treatment] Schmitt E, et al. **Z Urol Nephrol** 1983 Aug; 76(8):503-10 (Eng. Abstr.) **(Ger)**

[Incidence of infection in mother and child following preventive dexamethasone treatment for respiratory distress syndrome] Jäger KH, et al. **Zentralbl Gynakol** 1984; 106(11):774-6 **(Ger)**

[Nonspecific infections in pregnancy and prematurity] Menzel K, et al. **Zentralbl Gynakol** 1983;105(17):1126-9 **(Ger)**

[Trends in infectious diseases] Ocklitz HW. **Zentralbl Gynakol** 1983;105(20):1281-94 (Eng. Abstr.) **(Ger)**

[Bacterial intrauterine and perinatal infections] Wilken H. **Zentralbl Gynakol** 1983;105(17):1113-7 **(Ger)**

[Nosocomial epidemics in a neonatal unit] Páll G. **Orv Hetil** 1983 Dec 4;124(49):2993-7 (Eng. Abstr.) **(Hun)**

[Bacterial infective etiology in 1979 and 1980] Salvetti ME, et al. **Ann Ist Super Sanita** 1982;18(3):463-5 (Eng. Abstr.) **(Ita)**

[Computerized epidemiologic study of bacterial infections in

the resuscitation unit of the Pordenone City Hospital] Santini G, et al. **Clin Ter** 1983 Aug 31;106(4):279–94 (Eng. Abstr.) **(Ita)**

[Computerized epidemiological study of the bacterial populations in the Obstetrical and Neonatology Departments of the Pordenone Civil Hospital] Chiaradia V, et al. **Minerva Pediatr** 1983 Sep 30;35(18):869–80 (Eng. Abstr.) **(Ita)**

[Current state of hospital infection] Polz MA. **Pol Tyg Lek** 1983 Nov 14;38(46):1443–6 (34 ref.) **(Pol)**

[Experimental research in the study of the epidemic process] Livshits ML. **Tr Inst Pastera** 1983;61:72–9 (Eng. Abstr.) **(Rus)**

[Intestinal parasites and bacterial diseases in selected groups of foreign citizens] Skračiková J, et al. **Cas Lek Cesk** 1984 Mar 30;123(13):381–3 (Eng. Abstr.) **(Slo)**

[Recurrent urinary tract infection in girls: developmental analysis of 39 cases. Preliminary summary] Navarro M, et al. **An Esp Pediatr** 1983 Sep;19 Suppl 19:40–1 **(Spa)**

[Bacillus cereus infection in newborn infants] Cohen J, et al. **Rev Chil Pediatr** 1984 Jan–Feb;55(1):20–5 (Eng. Abstr.) **(Spa)**

[Bacterial meningitis in the Santo Tomás Hospital (1975–1982)] Chérigo-Quirós EA, et al. **Rev Med Panama** 1984 Jan;9(1):35–44 (Eng. Abstr.) **(Spa)**

[The panorama of infections in hospitalized drug addicts] Svenungsson B. **Lakartidningen** 1984 Apr 4;81(14):1416–7 **(Swe)**

PATHOLOGY

On the concept of bacterids (pustular bacterid, Andrews). Stevens DM, et al. **Am J Dermatopathol** 1984 Jun; 6(3):281–6

Neuropathology of spiroplasma infection in the rat brain. Bastian FO, et al. **Am J Pathol** 1984 Mar;114(3):496–514

Tubulointerstitial inflammation, cast formation, and renal parenchymal damage in experimental pyelonephritis. Iványi B, et al. **Am J Pathol** 1983 Dec;113(3):300–8

Chromobacterium violaceum infection of the eye. A report of two cases. Feldman RB, et al. **Arch Ophthalmol** 1984 May;102(5):711–3

Bacterial endophthalmitis after closed vitrectomy. Ho PC, et al. **Arch Ophthalmol** 1984 Feb;102(2):207–10

Scanning electron microscopy of human bladder mucosa in acute and chronic urinary tract infection. Elliott TS, et al. **Br J Urol** 1984 Feb;56(1):38–43

Opportunistic infections and acquired cellular immune deficiency among Haitian immigrants in Montreal. LeBlanc RP, et al. **Can Med Assoc J** 1983 Dec 1;129(11):1205–9

The kinetics of early inflammatory events during experimental pneumonia due to Legionella pneumophila in guinea pigs. Davis GS, et al. **J Infect Dis** 1983 Nov; 148(5):823–35

Morphologic and immunohistologic study of pyelonephritis in rats by various bacteria and fungi. Special reference to inflammatory changes and localization of antigen. Nagai T. **Nephron** 1984;37(4):264–9

Gas-producing brain abscess due to peptostreptococcus. Odake G. **Neurol Med Chir (Tokyo)** 1984 Jan;24(1):46–50

Bacterial infections of the CNS in neutropenic patients. Lukes SA, et al. **Neurology (NY)** 1984 Mar;34(3):269–75

[Experimental bacterial colonization of 3 types of arterial prosthesis] Goëau-Brissonnière O, et al. **Chirurgie** 1983; 109(5):440–6 (Eng. Abstr.) **(Fre)**

[Comparative clinico–morphological characteristics of peace–time anaerobic infections] Ageev AK, et al. **Arkh Patol** 1984;46(1):57–63 (Eng. Abstr.) **(Rus)**

[Pathomorphological changes in the kidneys in acute intestinal infections in children] Kan'shina NF, et al. **Arkh Patol** 1983;45(7):20–5 (Eng. Abstr.) **(Rus)**

[Penetrating knife wound of the abdomen complicated by putrefactive infection of the anterior abdominal wall] Luk'ianov LM, et al. **Vestn Khir** 1984 Jul;132(7):81 **(Rus)**

[Morphological basis of the clinical symptoms in meningoencephalitis] Fedotov AF, et al. **Vrach Delo** 1984 Jun;(6):116–9 (Eng. Abstr.) **(Rus)**

[Morphological aspects of bacterial infections and septicemia in newborn infants] Ambrosius K, et al. **Bol Med Hosp Infant Mex** 1983 Dec;40(12):691–700 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Rapid drop in serum iron concentration as a host defense mechanism. A review of experimental and clinical evidence. Ballantyne GH. **Am Surg** 1984 Aug;50(8):405–11

The role of prostacyclin and thromboxane in sepsis and septic shock. Carmona RH, et al. **Arch Surg** 1984 Feb; 119(2):189–92

Potential for endotoxin-activated Kupffer's cells to induce microvascular thrombosis. Maier RV, et al. **Arch Surg** 1984 Jan;119(1):62–7

The legionellosis. Del Piano M, et al. **Boll Ist Sieroter Milan** 1984 May 31;63(2):87–99 (63 ref.)

Cardiopulmonary function following post-cardiac surgical mediastinitis. Grigas D, et al. **Chest** 1984 Jun;85(6):729–32

Hypothyroidism abolishes the hyperdynamic phase and increases susceptibility to sepsis. Moley JF, et al. **J Surg Res** 1984 Mar;36(3):265–73

Infectious diarrhoea and gastrointestinal hormones: potential therapeutic implications. Gyr K. **Scand J Gastroenterol [Suppl]** 1983;84:135–40 (53 ref.)

Great interindividual insulin dependent variation in ketone body metabolism in human infection. Sjölin J, et al. **Scand J Infect Dis** 1983;15(4):409–10

Trifluorinated ether anesthetic lethality in rats: the role of bacterial infection. Dersham G, et al. **Toxicol Appl Pharmacol** 1983 Oct;71(1):93–100

[Effect on hemostasis and thrombogenesis by septic processes especially in childhood] Weissbach G, et al. **Z Gesamte Inn Med** 1984 May 15;39(10):214–9 (Eng. Abstr.) **(Ger)**

[Possibilities of the renal compensation in water–electrolyte loss in severe forms of acute intestinal infections in children in the 1st year of life] Bondareva NV, et al. **Pediatriia** 1984 Mar;(3):41–4 **(Rus)**

[Functional status of the liver in toxic and septic diseases in young children] Mamatkulov KhM. **Pediatriia** 1983 Sep; (9):39–41 **(Rus)**

[Characteristics of hemodynamic disorders in young patients with viral–bacterial pneumonia] Ermakov EV, et al. **Ter Arkh** 1984;56(3):103–8 **(Rus)**

[The role of fever in protecting the body against acute infection. The severe form of the disease] Tasovac B. **Srp Arh Celok Lek** 1983 Jul;111(7):949–57 **(Scc)**

PREVENTION & CONTROL

Randomized controlled trial comparing trimethoprim/sulfamethoxazole and trimethoprim for infection prophylaxis in hospitalized granulocytopenic patients. Bow EJ, et al. **Am J Med** 1984 Feb;76(2):223–33

Symposium on infectious complications of neoplastic disease (Part II). Chemoprophylaxis of bacterial infections in granulocytopenic patients. Henry SA. **Am J Med** 1984 Apr; 76(4):645–51 (29 ref.)

Symposium on infectious complications of neoplastic disease (Part II). Immunoprophylaxis and serotherapy of bacterial infections. Young LS. **Am J Med** 1984 Apr;76(4):664–71 (38 ref.)

Cotrimoxazole prophylaxis in patients with leukemia and prolonged granulocytopenia. Martino P, et al. **Am J Med Sci** 1984 May–Jun;287(3):7–9

Prevention of major infection after elective abdominal hysterectomy: individual determination required. Hemsell DL, et al. **Am J Obstet Gynecol** 1983 Nov 1;147(5):520–8

Reduction of post-cesarean section infectious morbidity by means of antibiotic irrigation. Levin DK, et al. **Am J Obstet Gynecol** 1983 Oct 1;147(3):273–7

Effect of antepartum glucocorticoid administration upon neonatal respiratory distress syndrome and perinatal infection. Schmidt PL, et al. **Am J Obstet Gynecol** 1984 Jan 15;148(2):178–86

The use of prophylactic antibiotics in patients undergoing emergency primary cesarean section. Wallace RL, et al. **Am J Obstet Gynecol** 1983 Nov 1;147(5):533–6

Prevention of posthysterectomy infection with a combination of preoperative vaginal and perioperative intravenous administration of metronidazole. Kauppila A, et al. **Ann Chir Gynaecol** 1983;72(4):214–7

Infection prophylaxis in acute leukemia. Comparative effectiveness of sulfamethoxazole and trimethoprim, ketoconazole, and a combination of the two. Estey E, et al. **Arch Intern Med** 1984 Aug;144(8):1562–8

A programme for controlling acute respiratory infections in children: Memorandum from a WHO meeting. **Bull WHO** 1984;62(1):47–58

A single preoperative dose of cefazolin prevents postoperative sepsis in high-risk biliary surgery. Lewis RT, et al. **Can J Surg** 1984 Jan;27(1):44–7

Are first-generation cephalosporins effective for antibiotic prophylaxis in elective surgery of the colon? Lewis RT, et al. **Can J Surg** 1983 Nov;26(6):504–7

A controlled trial of prophylactic granulocyte transfusions during induction chemotherapy for acute nonlymphoblastic leukemia. Gomez-Villagran JL, et al. **Cancer** 1984 Aug 15;54(4):734–8

Post-sepsis prophylaxis in cancer patients. Hughes WT, et al. **Cancer** 1984 Jan 1;53(1):137–41

Umbilical cord care. A study of bacitracin ointment vs. triple dye. Andrich MP, et al. **Clin Pediatr (Phila)** 1984 Jun; 23(6):342–4

Immunization against infectious disease. Olshin IJ. **Compr Ther** 1984 Jun;10(6):13–9

Prophylactic antibiotics in elective colorectal surgery. Portnoy J, et al. **Dis Colon Rectum** 1983 May;26(5):310–13

Concentrations of ampicillin plus sulbactam in serum and intestinal mucosa and effects on the colonic microflora in patients undergoing colorectal surgery. Kager L, et al. **Eur J Clin Microbiol** 1983 Dec;2(6):559–63

Penicillin compliance in splenectomized thalassemics. Borgna-Pignatti C, et al. **Eur J Pediatr** 1984 Jun; 142(2):83–5

Recognition and control of outbreaks of nosocomial infections in the intensive care setting. Tafuro P, et al. **Heart Lung** 1984 Sep;13(5):486–95

Recommendations for the care of automated peritoneal dialysis machines: can the risk of peritonitis be reduced? Berkelman RL, et al. **Infect Control** 1984 Feb;5(2):85–7

The experimental and clinical use of immune-modulating drugs in the prophylaxis and treatment of infections. Drews J. **Infection** 1984 Mar–Apr;12(2):157–66

Oral vaccination against enteric bacterial infections: an overview. Germanier R. **Infection** 1984 Mar–Apr; 12(2):138–42 (13 ref.)

Reduction of infection frequency by intravenous gammaglobulins during intensive induction therapy for small cell carcinoma of the lung. Schmidt RE, et al. **Infection** 1984 May–Jun;12(3):167–70

The effect of selective decontamination of the digestive tract on colonisation and infection rate in multiple trauma patients. Stoutenbeek CP, et al. **Intensive Care Med** 1984; 10(4):185–92

Cephalosporin antibiotics in the prevention and treatment of musculoskeletal sepsis. Fitzgerald RH Jr, et al. **J Bone Joint Surg [Am]** 1983 Oct;65(8):1201–5 (20 ref.)

Effectiveness of a dental school program in the prevention of infective endocarditis and other related infections. Jaspers MT, et al. **J Dent Educ** 1984 Mar;48(3):159–63

Indications and uses of prophylactic antibiosis in podiatric surgery. Till KE, et al. **J Foot Surg** 1984 Mar–Apr; 23(2):166–72

Clinical and microbiological evaluation of piperacillin in elective biliary surgery. Morris DL, et al. **J Hosp Infect** 1983 Jun;4(2):159–64

Suggested bacteriological standards for air in ultraclean operating rooms. Whyte W, et al. **J Hosp Infect** 1983 Jun; 4(2):133–9

Effect of broad-spectrum cephalosporins on the microbial flora of recipients. Bodey GP, et al. **J Infect Dis** 1983 Nov; 148(5):892–7

Preoperative bowel preparation. Organ CH Jr. **J Okla State Med Assoc** 1983 Nov;76(11):388–92

Effects of antibiotic prophylaxis on women undergoing nonelective cesarean section in a community hospital. Hager WD, et al. **J Reprod Med** 1983 Oct;28(10):687–90

Minocycline prophylaxis in elective hysterectomy. Savage EW, et al. **J Reprod Med** 1984 Feb;29(2):81–7

Administration of colostrum for the prevention of infection in the low birth weight infant in a developing country. Narayanan I, et al. **J Trop Pediatr** 1983 Aug;29(4):197–200

Use of prophylactic antibiotics by drug abusers [letter] Schaffer SR, et al. **JAMA** 1984 Sep 21;252(11):1410

Prophylactic sulfamethoxazole and trimethoprim in ventriculoperitoneal shunt surgery. A double-blind, randomized, placebo-controlled trial. Wang EE, et al. **JAMA** 1984 Mar 2;251(9):1174–7

New knowledge on pathogenesis of bacterial enteric infections as applied to vaccine development. Levine MM, et al. **Microbiol Rev** 1983 Dec;47(4):510–50 (400 ref.)

Cefoperazone and cefoxitin prophylaxis for abdominal hysterectomy. Hemsell DL, et al. **Obstet Gynecol** 1984 Apr; 63(4):467–72

Single-dose cefoxitin prophylaxis for premenopausal women undergoing vaginal hysterectomy. Hemsell DL, et al. **Obstet Gynecol** 1984 Mar;63(3):285–90

Prophylaxis of anaerobic infections in obstetric surgery with injectable metronidazole. Scarpellini L. **Panminerva Med** 1984 Jan–Mar;26(1):19–22

Microbial spectrum and antimicrobial susceptibility in infections after gastrointestinal surgery. Bergan T. **Scand J Gastroenterol [Suppl]** 1984;90:1–14

Chemotherapeutic prophylaxis in intestinal surgery. Grüner OP, et al. **Scand J Gastroenterol [Suppl]** 1983;85:93–7 (22 ref.)

Infection prophylaxis with doxycycline in surgery for ulcerative colitis. Nygaard K, et al. **Scand J Gastroenterol [Suppl]** 1983;85:97–103

The pharmacokinetics of one single preoperative dose of metronidazole or tinidazole. Solhaug JH, et al. **Scand J Gastroenterol [Suppl]** 1984;90:89–96

Comparative pharmacokinetics of metronidazole and tinidazole used as single dose prophylactic agents. Søreide O, et al. **Scand J Gastroenterol [Suppl]** 1984;90:97–106

Microbial colonization and infectious complications in bone marrow transplant recipients treated in strict protective isolation. Møller J, et al. **Scand J Infect Dis** 1984; 16(1):43–50

Antimicrobial prophylaxis of infections in head and neck cancer surgery. Piccart M, et al. **Scand J Infect Dis [Suppl]** 1983;39:92–6

Effect of pneumococcal vaccination on upper respiratory tract infections in children. Design of a follow-up study. Rosén C, et al. **Scand J Infect Dis [Suppl]** 1983;39:39–44

Silver sulfadiazine: an antibacterial agent for topical use in burns. A review of the literature. Hoffmann S. **Scand J Plast Reconstr Surg** 1984;18(1):119–26 (68 ref.)

The effect of a short antibiotic course in transurethral prostatic resection. Grabe M, et al. **Scand J Urol Nephrol** 1984;18(1):37–42

Immunoprophylaxis of gram-negative infections: background for a prophylactic study of purified anticore-glycolipid immunoglobulins in neutropenic patients. Glauser MP. **Schweiz Med Wochenschr [Suppl]** 1983;14:35–9

Low morbidity and mortality from infection in neutropenic patients, a possible result of multiple measures of infection prevention. Grob JP, et al. **Schweiz Med Wochenschr [Suppl]** 1983;14:70–5

Ineffectiveness of single-dose human antiserum to core glycolipid (E. coli J5) for prophylaxis of bacteremic, gram-negative infections in patients with prolonged neutropenia. McCutchan JA, et al. **Schweiz Med Wochenschr [Suppl]** 1983;14:40–5

Prophylaxis of bacterial infections with oral antibiotics in neutropenic patients. Lessons from the last two EORTC

trials and prospects for the future. Zinner SH. **Schweiz Med Wochenschr [Suppl]** 1983;14:7–14
Current treatment of the extensively burned patient. Pruitt BA Jr, et al. **Surg Annu** 1983;15:331–64 (97 ref.)
Cefamandole–erythromycin–heparin peritoneal irrigation: an adjunct to the surgical treatment of diffuse bacterial peritonitis. Washington BC, et al. **Surgery** 1983 Oct; 94(4):576–81
Perioperative infection prophylaxis in vascular surgery—a randomized prospective study. Salzmann G. **Thorac Cardiovasc Surg** 1983 Aug;31(4):239–42
Successful peritonitis reduction with a unidirectional bacteriologic CAPD filter. Winchester JF, et al. **Trans Am Soc Artif Intern Organs** 1983;29:611–6
Possible prevention and eradication of cerebrospinal fluid shunt infection with povidone iodine in vitro. Tucker OP, et al. **Z Kinderchir** 1983 Dec;38 Suppl 2:74–5
[Problems of hospital infection in surgical clinics and departments] Abrashev D. **Khirurgiia (Sofiia)** 1984; 37(2):124–9 (25 ref.) **(Bul)**
[Problems of microbial contamination and sterility when administering drugs intravenously] Opulchenova G, et al. **Khirurgiia (Sofiia)** 1983;36(5):471–4 (22 ref.) **(Bul)**
[Analysis of the benefits and costs of vaccination] Wilczek H. **Cas Lek Cesk** 1983 Nov 25;122(47):1468–9 **(Cze)**
[Bacterial filter for respiratory circuits] Bouilhac M. **Agressologie** 1984 Mar;25(3):299–302 (Eng. Abstr.) **(Fre)**
[Effectiveness, tolerability, and pharmacokinetic aspects of oral amoxicillin in the newborn infant] Squinazi F, et al. **Ann Pediatr (Paris)** 1983 Sep;30(7):528–32 (Eng. Abstr.) **(Fre)**
[Prevention of intraocular infection following foreign bodies. Experimental study] Vallat M, et al. **Bull Mem Soc Fr Ophtalmol** 1983;95:149–52 **(Fre)**
[Treatment of cirrhotic patients with specific immunoglobulins. Prevention of Gram–negative bacillary infections (letter)] Bastit D, et al. **Presse Med** 1984 Mar 24;13(12):744 **(Fre)**
[Prevention of postoperative anaerobic infections. Economic significance of metronidazole suppositories] Farinotti R, et al. **Presse Med** 1984 Jan 28;13(3):141–4 (Eng. Abstr.) **(Fre)**
[Reduction of the incidence of infection in polychemotherapy–treated metastatic testicular tumors using immunoglobulins] Hartlapp JH, et al. **Beitr Infusionther Klin Ernahr** 1983;11:69–72 **(Ger)**
[Preventive use of antibiotics in the surgery of injuries] Hierholzer S, et al. **Chirurg** 1984 Apr;55(4):222–6 **(Ger)**
[Results of prevention of infection with selective decontamination of the digestive tract in the treatment of leukemia] Günther I, et al. **Folia Haematol (Leipz)** 1984; 111(3):257–65 **(Ger)**
[Antibiotic prophylaxis and therapy of febrile aplastic children with acute leukemia] Prindull G, et al. **Klin Padiatr** 1984 May–Jun;196(3):162–5 (Eng. Abstr.) **(Ger)**
[Autotransplantation of the spleen] Seufert RM. **Langenbecks Arch Chir** 1984;362(1):1–3 **(Ger)**
[Infection prevention following splenectomy: protective effect of a new 17–valent pneumococcal vaccine] Tillmann W, et al. **Monatsschr Kinderheilkd** 1983 Dec;131(12):848–52 (Eng. Abstr.) **(Ger)**
[Prevention of infection in sonography] Tolon M, et al. **Ultraschall Med** 1984 Apr;5(2):77–9 (Eng. Abstr.) **(Ger)**
[Value of preventive immunoglobulin administration in cadaveric kidney transplantation] Steiner E, et al. **Wien Klin Wochenschr** 1984 Mar 30;96(7):264–6 (Eng. Abstr.) **(Ger)**
[Use of antibiotics in newborn infants following premature rupture of fetal membranes] Grauel EL, et al. **Zentralbl Gynakol** 1984;106(11):771–3 **(Ger)**
[The use of cefoxitin in high–risk surgical patients] Enrichens F, et al. **Minerva Chir** 1984 Feb 28;39(4):225–30 (47 ref.) (Eng. Abstr.) **(Ita)**
[Short–term prevention with clindamycin and gentamicin in abdominal surgery. Randomized study] Ferrari G, et al. **Minerva Chir** 1983 Jul 15–31;38(13–14):1089–94 (Eng. Abstr.) **(Ita)**
[Use of a single daily dose of tobramycin sulfate for the prevention of infections caused by the positioning of fixed drains in body cavities] Pessione E, et al. **Minerva Med** 1984 Mar 10;75(9–10):463–8 (Eng. Abstr.) **(Ita)**
[Antibiotic prophylaxis in transrectal prostatic needle–biopsy] Bonatti PL, et al. **Minerva Urol** 1983 Jul–Sep;35(3):205–8 (Eng. Abstr.) **(Ita)**
[Chemotherapy for bacterial infections in renal transplantation and recent antibacterial agents] Ohkoshi M. **Hinyokika Kiyo** 1983 Dec;29(12):1567–77 (11 ref.) (Eng. Abstr.) **(Jpn)**
[Prophylactic administration of an antibiotic in neurosurgical operations—penetration of cefotiam into the cerebrospinal fluid] Imagawa K, et al. **Jpn J Antibiot** 1983 Dec; 36(12):3422–8 (Eng. Abstr.) **(Jpn)**
[Cefotiam excretion into the bile after radical operation of congenital biliary atresia] Miyano T, et al. **Jpn J Antibiot** 1983 Dec;36(12):3429–36 (Eng. Abstr.) **(Jpn)**
[Effects of antibiotics in the prevention of infections following vaginal and abdominal hysterectomy: an evaluation by febrile morbidity and fever index] Tabei T. **Jpn J Antibiot** 1983 Jul;36(7):1569–80 (55 ref.) (Eng. Abstr.) **(Jpn)**
[A study of antibiotic prophylaxis in cardiac surgery] Hirooka Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Jan; 32(1):1–7 (Eng. Abstr.) **(Jpn)**
[Future of antibiotic therapy in various fields of medicine. 2. Surgery. b. Prophylactic administration of antibiotics] Nakayama I, et al. **Nippon Rinsho** 1984 Mar;42(3):582–6 (19 ref.) **(Jpn)**
[Usefulness of bacteriological studies and selected tests for non–specific immunity in the treatment of severe burns] Popiel D, et al. **Pol Tyg Lek** 1983 Dec 5;38(49):1533–6 (Eng. Abstr.) **(Pol)**
[Netilmicin – its use in a surgical clinic] Orłowski T, et al. **Wiad Lek** 1983 Apr 15;36(8):639–43 (Eng. Abstr.) **(Pol)**
[Current problems in the immunoprophylaxis and immunotherapy of burn infection] Kolker II. **Gematol Transfuziol** 1984 Jul;29(7):9–12 (Eng. Abstr.) **(Rus)**
[Tasks and possibilities of current microbiology in a clinic for non–infectious diseases] Smolianskaia AZ, et al. **Lab Delo** 1984;(5):291–5 (Eng. Abstr.) **(Rus)**
[Antibiotic therapy in the prevention of postoperative infectious complications] Lukomskiĭ GI, et al. **Sov Med** 1984;(3):95–6 **(Rus)**
[Various methodologic problems in predicting and preventing postoperative complications] Pomelov VS, et al. **Sov Med** 1984;(3):74–7 **(Rus)**
[Control of the health of guinea pigs in breeding colonies] Aksenov VI. **Vestn Akad Med Nauk SSSR** 1983;(9):85–7 (Eng. Abstr.) **(Rus)**
[Use of thymalin in trauma patients] Gurevich KIa, et al. **Vestn Khir** 1984 Feb;132(2):52–4 (Eng. Abstr.) **(Rus)**
[Ways of improving bacteriological control in operating rooms] Nikishin VK, et al. **Vestn Khir** 1984 Mar; 132(3):129–30 **(Rus)**
[Use of CO2 laser for the prevention of postoperative wound suppuration] Skobelkin OK, et al. **Vestn Khir** 1984 Mar; 132(3):95–6 (Eng. Abstr.) **(Rus)**
[Disinfection in the control of acute respiratory tract diseases] Gorovenko AA. **Voen Med Zh** 1983 Sep;(9):37–8 **(Rus)**
[Prospects for using bacteriocins for the prevention and therapy of infections] Blinova LP. **Zh Mikrobiol Epidemiol Immunobiol** 1984 May;(5):10–4 (48 ref.) **(Rus)**
[Current status of chemoprophylaxis in bacterial diseases] Viviente López E. **Rev Sanid Hig Publica (Madr)** 1983 May–Jun;57(5–6):551–61 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Radiological case of the month. Anaerobic pyopneumopericardium. Brenner JI, et al. **Am J Dis Child** 1984 Aug;138(8):791–2
Dense lobar consolidation in an immunocompromised host. Williams D, et al. **Chest** 1984 Feb;85(2):269–71
The radiographic evaluation of infections of the spine. Byrd SE, et al. **J Natl Med Assoc** 1983 Oct;75(10):969–77
Infectious diseases of the sphenoid sinus. Holt GR, et al. **Laryngoscope** 1984 Mar;94(3):330–5
Pneumonia caused by Pittsburgh pneumonia agent: radiologic manifestations. Muder RR, et al. **Radiology** 1984 Mar; 150(3):633–7
CT in the evaluation of spine infection. Brant–Zawadzki M, et al. **Spine** 1983 May–Jun;8(4):358–64
[Correlation between CT findings and clinical course in viral and bacterial meningoencephalitis] Krüger H, et al. **Computertomographie** 1983 Mar;3(1):32–7 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

111Indium–oxine–labeled leukocytes in the diagnosis of localized infection in patients with neoplastic disease. Schell–Frederick E, et al. **Cancer** 1984 Sep 1;54(5):817–24
A comparison of Tc–99m colloid labeled leukocytes and Ga–67 citrate for the disclosure of sepsis. Rosenthall L, et al. **Clin Nucl Med** 1983 Aug;8(8):340–3
Detection of aortoarterial graft infections by leukocyte scintigraphy. Wilson DG, et al. **Clin Nucl Med** 1983 Sep; 8(9):421–3
Decreased sensitivity of early imaging with In–111 oxine–labeled leukocytes in detection of occult infection: concise communication. Datz FL, et al. **J Nucl Med** 1984 Mar;25(3):303–6

RADIOTHERAPY

[X–ray therapy and various immunologic indices in the complex treatment of suppurative–inflammatory processes] Ogonovskiĭ VK. **Vestn Khir** 1984 Feb;132(2):16–8 (Eng. Abstr.) **(Rus)**

SURGERY

Synovectomy in bacterial arthritis. Törholm C, et al. **Acta Orthop Scand** 1983 Oct;54(5):748–53
Coverage of the infected wound. Mathes SJ, et al. **Ann Surg** 1983 Oct;198(4):420–9
Percutaneous drainage of infected pancreatic pseudocysts. Gerzof SG, et al. **Arch Surg** 1984 Aug;119(8):888–93
Suction irrigation. Construction and use of a dependable closed system. Schwartz NH, et al. **J Am Podiatry Assoc** 1984 May;74(5):216–21
A six–year follow–up of infected total hip replacements managed by Girdlestone's arthroplasty. Bourne RB, et al. **J Bone Joint Surg [Br]** 1984 May;66(3):340–3
Hand infections. Kilgore ES Jr. **J Hand Surg** 1983 Sep;8(5 Pt 2):723–6
Septic arthritis of the hip in children: poor results after late and inadequate treatment. Fabry G, et al. **J Pediatr Orthop** 1983 Sep;3(4):461–6
Intracorporeal drainage after removal of infected penile prostheses. Maatman TJ, et al. **Urology** 1984 Feb; 23(2):184–5
Open treatment of abdominal septic catastrophies. Broomé A, et al. **World J Surg** 1983 Nov;7(6):792–6
[Septic oromaxillofacial surgery] **Fortschr Kiefer Gesichtschir** 1984;29:1–199 **(Ger)**
[Reconstructive microsurgery in the complex treatment of trophic ulcers, suppurative–necrotic defects and cicatricial deformities of the lower extremities] Driuk NF, et al. **Klin Khir** 1984 Jul;(7):28–31 (Eng. Abstr.) **(Rus)**
[Surgical treatment of suppurative anterior mediastinitis after open heart surgery for congenital defects] Latsis AT, et al. **Vestn Khir** 1984 Feb;132(2):21–4 (Eng. Abstr.) **(Rus)**
[Surgical tactics in chronic nonspecific infiltrates of the abdominal cavity and its anterior wall] Ovchinnikov VA. **Vestn Khir** 1984 Feb;132(2):28–32 (Eng. Abstr.) **(Rus)**

THERAPY

Granulocyte transfusion therapy. Dutcher JP. **Am J Med Sci** 1984 Mar–Apr;287(2):11–7
Infusion of branched chain–enriched amino acid solutions in sepsis. Nachbauer CA, et al. **Am J Surg** 1984 Jun; 147(6):743–52
Management of lymphadenitis in childhood: the role of percutaneous needle aspiration. Fleisher G, et al. **Ann Emerg Med** 1984 Oct;13(10):908–11
Lung vascular permeability after reversal of fibronectin deficiency in septic sheep. Correlation with patient studies. Saba TM, et al. **Ann Surg** 1983 Nov;198(5):654–62
Results of bacteriophage treatment of suppurative bacterial infections. I. General evaluation of the results. Slopek S, et al. **Arch Immunol Ther Exp (Warsz)** 1983;31(3):267–91
Results of bacteriophage treatment of suppurative bacterial infections. II. Detailed evaluation of the results. Slopek S, et al. **Arch Immunol Ther Exp (Warsz)** 1983; 31(3):293–327
Intravenous gammaglobulin therapy for severe infections caused after treatment for malignant tumors of the female genital tract. Ito H, et al. **Asia Oceania J Obstet Gynaecol** 1984 Mar;10(1):31–6
Endophthalmitis and pars plana vitrectomy. Majerovics A, et al. **Can J Ophthalmol** 1984 Feb;19(1):25–8
Modern management of mixed bacterial infections. Madhavan T. **Compr Ther** 1984 Jun;10(6):55–64
Cardiorespiratory responses to fluid administration in peritonitis. Abraham E, et al. **Crit Care Med** 1984 Aug; 12(8):664–8
Bacterial corneal ulcers. Wilhelmus KR. **Int Ophthalmol Clin** 1984 Summer;24(2):1–16
Lipid infusion in premature infants suffering from sepsis. Park W, et al. **JPEN** 1984 May–Jun;8(3):290–2
Controlled study of therapeutic granulocyte transfusions in granulocytopenic patients with severe infections. Matsue K, et al. **Jpn J Clin Oncol** 1984 Mar;14(1):21–30
An experimental study on parenteral nutrition in sepsis: effect of combined hypertonic carbohydrates or amino acids infusion on postinjury metabolisms. Yan K, et al. **Kobe J Med Sci** 1983 Dec;29(6):171–96
Phage therapy. **Lancet** 1983 Dec 3;2(8362):1287–8
Postpartum perineal necrotizing fasciitis. Case reports and a review. Kobbermann T, et al. **Mo Med** 1983 Dec; 80(12):746–50
Management of extensive perineal necrotizing fasciitis. Kwun KB, et al. **Mt Sinai J Med (NY)** 1983 Sep–Oct;50(5):432–4
Granulocyte transfusions in leukopenic dogs. Epstein RB, et al. **Prog Clin Biol Res** 1977;13:227–41 (56 ref.)
Granulocyte transfusions: experience at Roswell Park Memorial Institute. Higby DJ, et al. **Prog Clin Biol Res** 1977;13:293–304
Current status of granulocyte transfusion therapy. Schiffer CA, et al. **Prog Clin Biol Res** 1977;13:281–92 (41 ref.)
Effect of castration on experimental bacterial prostatitis in rats. Kaplan L, et al. **Prostate** 1983;4(6):625–30
Treatment of anaerobic infections. Willis AT. **Scand J Gastroenterol [Suppl]** 1984;90:53–64
Treatment of otitis media with effusion. Bluestone CD. **Scand J Infect Dis [Suppl]** 1983;39:26–33
Empyema of the thorax. LeBlanc KA, et al. **Surg Gynecol Obstet** 1984 Jan;158(1):66–70
Management of chorioamnionitis. Looff JD, et al. **Surg Gynecol Obstet** 1984 Feb;158(2):161–6
[Hyperbaric oxygen in the treatment of chronic bone infections] Doležal V, et al. **Cas Lek Cesk** 1983 Sep 30; 122(39):1195–8 (Eng. Abstr.) **(Cze)**
[Improvement of dialysis tolerance in patients with severe infections using a bicarbonate dialysate] Huyghebaert MF, et al. **Nephrologie** 1983;4(4–5):245–7 (Eng. Abstr.) **(Fre)**
[Chronic parotitis in the child] Devars F, et al. **Rev Laryngol Otol Rhinol (Bord)** 1984;105(1):57–8 (Eng. Abstr.) **(Fre)**
[Immunostimulation and recurrent infections] Modaï J, et al. **Sem Hop Paris** 1983 Oct 20;59(37–38):2592–3 **(Fre)**
[Bacterial infectious arthritis. Results of therapy in conservative therapy] Weber S. **Praxis** 1983 Aug 23; 72(34):1106–10 (Eng. Abstr.) **(Ger)**

[Parenteral nutrition of newborn and premature infants during general bacterial infections] Boehm G, et al. **Zentralbl Gynakol** 1984;106(11):743–8 **(Ger)**

[Intravenous immunoglobulin administration in the treatment of sepsis in the premature newborn infant] Amato M, et al. **Minerva Pediatr** 1983 Jun 30;35(12):611–6 (Eng. Abstr.) **(Ita)**

[Combined effect of intravenous human immunoglobulin (GV-523) and antibiotics in severe infections in the fields of internal medicine and surgery] Mashimo K. **Kansenshogaku Zasshi** 1983 Aug;57(8):724–49 (Eng. Abstr.) **(Jpn)**

[Intravenous globulin preparations for infectious diseases complicated with various hematologic diseases] Maeda H, et al. **Rinsho Ketsueki** 1983 Jul;24(7):960–4 **(Jpn)**

[Causes of unfavorable results in the treatment of suppurative cerebrospinal meningitis in newborn infants] Godula-Stuglik U, et al. **Pediatr Pol** 1984 Apr; 59(4):295–302 (Eng. Abstr.) **(Pol)**

[Nonspecific detoxifying mechanisms in using hemosorption for treating sepsis and burn toxemia] Shirinova MN, et al. **Gematol Transfuziol** 1983 Oct;28(10):32–4 (Eng. Abstr.) **(Rus)**

[Efficacy of intensive therapy during the septic course of bacterial destruction of the lungs in children] Golovko VI, et al. **Grudn Khir** 1984 Jul-Aug;(4):56–61 (Eng. Abstr.) **(Rus)**

[Treatment of septicemia] Morozov VG, et al. **Khirurgiia (Mosk)** 1984 Apr;(4):15–9 (Eng. Abstr.) **(Rus)**

[Long-term proteolysis in the complex treatment of pleural empyema] Sobotovich VF, et al. **Khirurgiia (Mosk)** 1984 Apr;(4):33–6 (Eng. Abstr.) **(Rus)**

[Treatment of cavity formations in bacterial destruction of the lungs in children] Rokitskiĭ MR, et al. **Klin Khir** 1984 Jun;(6):13–5 (Eng. Abstr.) **(Rus)**

[Quantum hemotherapy in the combined treatment of acute surgical infection in children] Sleptsov VP, et al. **Klin Khir** 1984 Jun;(6):30–2 (Eng. Abstr.) **(Rus)**

[Current tactics in the treatment of acute bacterial pneumonia] Fedoseev GB, et al. **Klin Med (Mosk)** 1983 Dec;61(12):67–71 **(Rus)**

[State of metabolic processes in newborn children in the presence of lactation mastitis in their mothers] Lukina LI, et al. **Pediatriia** 1983 Sep;(9):60 **(Rus)**

[Bacteriophages and phage therapy in pediatric practice] Samsygina GA, et al. **Pediatriia** 1984 Apr;(4):67–70 (21 ref.) **(Rus)**

[Anaerobic infection of the face and neck] Ivashchenko NI. **Stomatologiia (Mosk)** 1984 May-Jun;63(3):45–6 (Eng. Abstr.) **(Rus)**

[Experimental-clinical basis for a method of draining suppurative wounds with Sephadex] Griaznov VN, et al. **Vestn Khir** 1984 Feb;132(2):124–5 **(Rus)**

[Use of lysozyme and prodigiozan in the treatment of suppurative infections in diabetics] Nuzov BG. **Vestn Khir** 1984 Apr;132(4):62–5 (Eng. Abstr.) **(Rus)**

[Intensive treatment of patients with surgical sepsis by means of dioxidine and hemosorption] Taranenko LD, et al. **Vestn Khir** 1983 Aug;131(8):48–50 (Eng. Abstr.) **(Rus)**

[Use of adapted Maliutka and Malysh Propionibacterium acidophilus mixtures in the combined treatment of acute diseases of the gastrointestinal tract in infants] Nabukhotnyĭ TK, et al. **Vopr Pitan** 1983 Nov-Dec;(6):27–30 (Eng. Abstr.) **(Rus)**

TRANSMISSION

Whirlpool spa-associated infections: are we really in hot water? [editorial] Favero MS. **Am J Public Health** 1984 Jul;74(7):653–5

Contaminated condensate in mechanical ventilator circuits. A risk factor for nosocomial pneumonia? Craven DE, et al. **Am Rev Respir Dis** 1984 Apr;129(4):625–8

Sexually transmitted diseases in pregnancy [letter] **Br Med J [Clin Res]** 1984 Apr 14;288(6424):1158

Bacterial indicators of recreational water quality. Dufour AP. **Can J Public Health** 1984 Jan-Feb;75(1):49–56

Bacterial contamination of sheathed thermometers [letter] Soltero DJ, et al. **J Fam Pract** 1984 Feb;18(2):202–4

Non-sporeforming anaerobic bacteria in clean surgical wounds—air and skin contamination. Benediktsdóttir E, et al. **J Hosp Infect** 1984 Mar;5(1):38–49

Bacterial adherence to plastics: a role in endoscope-transmitted infections [letter] Botta GA, et al. **Lancet** 1984 Feb 18;1(8373):398–9

Dog bites and dysgonic fermenting organisms [letter] Howard AJ, et al. **Lancet** 1983 Oct 29;2(8357):1022–3

[Placental smears in a maternity ward. Importance of early diagnosis of neonatal bacterial infections caused by materno-fetal contamination] Nessmann-Emmanuelli C, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1983;12(4):373–80 (Eng. Abstr.) **(Fre)**

[Urologic implications of colpitis] Murańyi J. **Orv Hetil** 1984 Jan 1;125(1):13–5 (Eng. Abstr.) **(Hun)**

URINE

When should a urine specimen be examined after removal of a urinary catheter? Davies AJ, et al. **J Hosp Infect** 1983 Jun;4(2):177–80

Zinc in post prostatic massage (VB3) urine samples: a marker of prostatic secretory function and indicator of bacterial infection. Kavanagh JP, et al. **Urol Res** 1983;11(4):167–70

VETERINARY

Selected physical and chemical characteristics of prostatic fluid collected by ejaculation from healthy dogs and from dogs with bacterial prostatitis. Branam JE, et al. **Am J Vet Res** 1984 Apr;45(4):825–9

Infectious bovine keratoconjunctivitis: enhancement of Moraxella bovis pili immunogenicity with diphtheria-tetanus toxoids and pertussis vaccine. Pugh GW Jr, et al. **Am J Vet Res** 1984 Apr;45(4):661–5

Evaluation of various serotests to detect antibodies in ponies and horses infected with contagious equine metritis bacteria. Sahu SP, et al. **Am J Vet Res** 1983 Aug; 44(8):1405–9

Genotypic, phenotypic, and biological characteristics of Moraxella bovis. Schurig GG, et al. **Am J Vet Res** 1984 Jan;45(1):35–9

Avian mycoplasma infections: prototype of mixed infections with mycoplasmas, bacteria and viruses. Bradbury JM. **Ann Microbiol (Paris)** 1984 Jan-Feb;135A(1):83–9

Diarrhoea treatments—fluid replacement and alternatives. Bywater RJ. **Ann Rech Vet** 1983;14(4):556–60

The etiology, pathology and epidemiology of bacterial gastro-enteritis in calves and piglets. Gouet P. **Ann Rech Vet** 1983;14(4):391–4

Osteomyelitis in dogs and cats caused by anaerobic bacteria. Johnson KA, et al. **Aust Vet J** 1984 Feb;61(2):57–61

Aeromonas hydrophila isolated from polyarthritis in a calf. Love RJ, et al. **Aust Vet J** 1984 Feb;61(2):65

Isolation of bacteria resembling Histophilus ovis from cattle. Webber JJ, et al. **Aust Vet J** 1983 Sep;60(9):276

Chronic cholera-like lesions caused by Moraxella osloensis. Emerson FG, et al. **Avian Dis** 1983 Jul-Sep;27(3):836–8

In vitro cytotoxicity of an Alcaligenes faecalis and its relationship in in vivo tracheal pathologic changes in turkeys. Gray JG, et al. **Avian Dis** 1983 Oct-Dec; 27(4):1142–50

Studies on the use of a long-acting oxytetracycline in turkeys: efficacy against experimental infections with Alcaligenes faecalis and Pasteurella multocida. Skeeles JK, et al. **Avian Dis** 1983 Oct-Dec;27(4):1126–30

Pathology of the antarctic fur seal (Arctocephalus gazella) in south Georgia. Baker JR, et al. **Br Vet J** 1984 Mar-Apr; 140(2):210–9

The collection and interpretation of herd mastitis data. David GP, et al. **Br Vet J** 1984 Mar-Apr;140(2):107–14

A comparison of the persistence of the antibacterial action of three iodine sprays on the cow's teat. Davies ME, et al. **Br Vet J** 1983 Nov-Dec;139(6):491–4

An approach to the herd mastitis problem. Francis PG. **Br Vet J** 1984 Jan-Feb;140(1):22–6

Summer mastitis. Yeoman GH, et al. **Br Vet J** 1984 May-Jun; 140(3):232–43

Hemagglutination, autoagglutination and pathogenicity of Moraxella bovis strains. Gil-Turnes C. **Can J Comp Med** 1983 Oct;47(4):503–4

Fatal mastitis of dairy cows: a retrospective study. Hazlett MJ, et al. **Can J Comp Med** 1984 Apr;48(2):125–9

Effects of aflatoxin ingestion on the development of Moraxella bovis infectious bovine keratoconjunctivitis. Pugh GW Jr, et al. **Cornell Vet** 1984 Apr;74(2):96–110

Serum biochemical and haematological findings in two foals with focal bacterial hepatitis (Tyzzer's disease). Brown CM, et al. **Equine Vet J** 1983 Oct;15(4):375–6

Biochemical changes in the jejunal mucosa of dogs with a naturally occurring enteropathy associated with bacterial overgrowth. Batt RM, et al. **Gut** 1984 Aug;25(8):816–23

Pathogenesis of change in the upper respiratory tracts of turkeys experimentally infected with an Alcaligenes faecalis isolate. Gray JG, et al. **Infect Immun** 1983 Oct;42(1):350–5

Systemic Serratia marcescens infections in a dog and a cat. Armstrong PJ. **J Am Vet Med Assoc** 1984 May 1; 184(9):1154–8

Evaluation of techniques for diagnosis of canine prostatic diseases. Barsanti JA, et al. **J Am Vet Med Assoc** 1984 Jul 15;185(2):198–200

Panophthalmitis and otitis interna in fire-bellied toads. Brooks DE, et al. **J Am Vet Med Assoc** 1983 Dec 1; 183(11):1198–201

Pneumonia caused by a eugonic fermenting bacterium in an African lion. Fenwick BW, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1315–7

Canine urinary tract infections: a comparison of in vitro antimicrobial susceptibility test results and response to oral therapy with ampicillin or with trimethoprim-sulfa. Ling GV, et al. **J Am Vet Med Assoc** 1984 Aug 1;185(3):277–81

Equine tracheobronchial aspirates: correlation of cytologic and microbiologic findings. Morris DD. **J Am Vet Med Assoc** 1984 Feb 1;184(3):340–1

Bacillus piliformis infection (Tyzzer's disease) in a Colorado foal. Nold JB, et al. **J Am Vet Med Assoc** 1984 Aug 1; 185(3):306–7

Clinical pharmacology of cephalosporin antibiotics. Papich MG. **J Am Vet Med Assoc** 1984 Feb 1;184(3):344–7

Multiple hepatic abscesses and peritonitis caused by eugonic fermenter-4 bacilli in a pup. Valentine BA, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1324–5

Tyzzer's disease in snow leopards. Schmidt RE, et al. **J Comp Pathol** 1984 Jan;94(1):165–7

Isolation and identification of ropy bacteria in raw milk. Cheung BA, et al. **J Dairy Sci** 1983 Sep;66(9):1825–34

Evaluation of linear dodecyl benzene sulfonic acid as a teat dip in a commercial dairy. Pankey JW, et al. **J Dairy Sci** 1984 Jun;67(6):1354–8

Transmission of Moraxella bovis from blood agar cultures to Hereford cattle by face flies (Diptera: Muscidae). Arends JJ, et al. **J Econ Entomol** 1984 Apr;77(2):394–8

Transmission of Moraxella bovis by regurgitation from the crop of the face fly (Diptera: Muscidae). Glass HW Jr, et al. **J Econ Entomol** 1984 Apr;77(2):399–401

The effect of lincomycin-neomycin treatment on experimental anaerobic bacterial bovine mastitis. Du Preez JH, et al. **J S Afr Vet Assoc** 1983 Dec;54(4):243–5

Parasites, diseases, and health status of sympatric populations of sika deer and white-tailed deer in Maryland and Virginia. Davidson WR, et al. **J Wildl Dis** 1983 Oct; 19(4):345–8

Chronic bacterial pneumonia in free-ranging Eastern box turtles (Terrapene carolina carolina). Evans RH. **J Wildl Dis** 1983 Oct;19(4):349–52

Vertical transmission of Bacillus piliformis infection (Tyzzer's disease) in a guinea pig: case report. Boot R, et al. **Lab Anim** 1984 Apr;18(2):195–9

Leukocyte agglomeration test to reveal bacterial infections in mice. Kariv N, et al. **Lab Anim Sci** 1983 Aug;33(4):361–3

External application of antibiotic to improve survival of adult laboratory frogs (Rana pipiens). Menard MR. **Lab Anim Sci** 1984 Feb;34(1):94–6

Experimentally induced Tyzzer's disease in Mongolian gerbils (Meriones unguiculatus). Waggie KS, et al. **Lab Anim Sci** 1984 Feb;34(1):53–7

Uterine culture in mares. Brook D. **Mod Vet Pract** 1984 May; 65(5):A3–8

Clinical pharmacology of aminoglycosides. Part 2. Houdeshell JW, et al. **Mod Vet Pract** 1982 Sep;63(9):707–10

Transtracheal aspiration in the horse: a photo essay. Krpan MK. **Mod Vet Pract** 1984 May;65(5):A19–22

A study on heifer mastitis in Japan and its causative microorganisms. Seno N, et al. **Natl Inst Anim Health Q (Tokyo)** 1983 Fall;23(3):82–91

Observations of bacterial diseases of captive snakes in Finland. Soveri T. **Nord Vet Med** 1984 Jan-Feb; 36(1-2):38–42

The epidemiology of bacterial infection of the genitalia in rams. Jansen BC. **Onderstepoort J Vet Res** 1983 Dec; 50(4):275–82

Laboratory model for infectious bovine keratoconjunctivitis: the pathogenicity of different strains of Moraxella bovis, pathology and ultrastructural observations. Chandler RL, et al. **Res Vet Sci** 1983 Nov;35(3):277–84

Preliminary study on the use of ceftazidime, a broad spectrum cephalosporin antibiotic, in snakes. Lawrence K, et al. **Res Vet Sci** 1984 Jan;36(1):16–20

Clinical findings and pathological changes in Histophilus ovis infections of sheep. Webb RF. **Res Vet Sci** 1983 Jul; 35(1):30–4

Bacteriological characteristics of Histophilus ovis and its relationship to similar bacteria. Webb RF. **Res Vet Sci** 1983 Jul;35(1):25–9

The importance of hygienic procedures in controlling mastitis. Bushnell RB. **Vet Clin North Am [Large Anim Pract]** 1984 Jul;6(2):361–70

Diseases of the udder. East NE, et al. **Vet Clin North Am [Large Anim Pract]** 1983 Nov; 5(3):591–600 (29 ref.)

Veterinary interpretation of bulk-tank milk. Guterbock WM, et al. **Vet Clin North Am [Large Anim Pract]** 1984 Jul; 6(2):257–68

Environmental effects on mastitis and milk quality. Jarrett JA. **Vet Clin North Am [Large Anim Pract]** 1984 Jul; 6(2):371–5

Treatment of mastitis. Moore GA, et al. **Vet Clin North Am [Large Anim Pract]** 1984 Jul;6(2):323–33

Postmilking teat antisepsis. Pankey JW. **Vet Clin North Am [Large Anim Pract]** 1984 Jul;6(2):335–48

Infectious skin diseases of horses. Pascoe RR. **Vet Clin North Am [Large Anim Pract]** 1984 Mar;6(1):27–46 (44 ref.)

Economics of mastitis control. Philpot WN. **Vet Clin North Am [Large Anim Pract]** 1984 Jul;6(2):233–45

Microbiologic aspects of mastitis diagnosis. Shotts EB Jr, et al. **Vet Clin North Am [Large Anim Pract]** 1984 Jul; 6(2):247–55

Epidemiology of naturally occurring feline bacterial urinary tract infections. Lees GE. **Vet Clin North Am [Small Anim Pract]** 1984 May; 14(3):471–9 (15 ref.)

Clinical experience with avian laboratory diagnostics. Woerpel RW, et al. **Vet Clin North Am [Small Anim Pract]** 1984 Mar; 14(2):249–86

Keratoconjunctivitis infectiosa ovis (KIO), 'pink eye' or 'zere oogjes' (a survey). König CD. **Vet Q** 1983 Jul;5(3):127–30 (32 ref.)

Assessment in the mouse of cefoperazone as a treatment for mastitis. Anderson JC, et al. **Vet Rec** 1984 Jun 23; 114(25):607–12

Evaluation of selective supplements used in media for the isolation of the causative organism of contagious equine metritis. Atherton JG. **Vet Rec** 1983 Sep 24;113(13):299–300

Infectious bovine keratoconjunctivitis: isolation of Moraxella bovis from two groups of young beef cattle in fly control field trials during 1981. Cox PJ, et al. **Vet Rec** 1984 Jul 14;115(2):29–32

Vaccination of fish: a practical view. Horne MT, et al.

Vet Rec 1984 Jun 2;114(22):537–9
Criteria for selection of antibiotics. Knifton A. **Vet Rec** 1984 Apr 7;114(14):357–60
Selection of antibiotics in small animal practice. Knifton A. **Vet Rec** 1984 Jul 14;115(2):38–40
Evaluation of a mixture of trimethoprim and sulphaquinoxaline for the treatment of poultry: safety and palatability studies. Piercy DW, et al. **Vet Rec** 1984 Jan 21;114(3):60–2
Selection of antibiotics for use in equine practice. Ricketts SW, et al. **Vet Rec** 1984 Jun 2;114(22):544–6
Evaluation of a mixture of trimethoprim and sulphaquinoxaline for the treatment of bacterial and coccidial diseases of poultry. White G, et al. **Vet Rec** 1983 Dec 24–31;113(26–27):608–12
Plasma fibrinogen measurement: prognostic value in calf bronchopneumonia? Garry FB.
Zentralbl Veterinarmed [A] 1984 Jun;31(5):361–9
[The present epizootological situation in intensively bred cattle in relation to the morbidity and mortality of calves during their rearing] Menšík J, et al. **Vet Med (Praha)** 1984 Jan;29(1):47–64 (Eng. Abstr.) **(Cze)**
[Pharmacotherapeutic aspects of trimethoprim combined with sulfonamides used in cattle] van den Heuvel WC.
Tijdschr Diergeneeskd 1984 Jun 1;109(11):455–9 (Eng. Abstr.) **(Dut)**
[Antibiotics and chemotherapy—from research to practice. IX. Remarks directed to practitioners on the characteristics of semi-synthetic penicillins and various other recently discovered beta-lactamases] Pilloud M.
Schweiz Arch Tierheilkd 1984 Feb;126(2):65–81 (Eng. Abstr.) **(Fre)**
[Penicillin and ampicillin levels in pathologically altered tissue following regional intravenous administration of antibiotics in cattle legs] Stanek C, et al.
Berl Munch Tierarztl Wochenschr 1984 May 1;97(5):162–6 (Eng. Abstr.) **(Ger)**
[Technical and veterinary aspects of the aerogenic immunization against bacterial infections] Petzoldt K, et al. **DTW** 1983 Jul 6;90(7):291–5 (32 ref.) **(Ger)**
[Epizootiological studies of atrophic rhinitis and pneumonia of swine. V. Studies on specific control] Eliás B, et al.
Zentralbl Veterinarmed [B] 1984 Apr;31(3):180–8 (Eng. Abstr.) **(Ger)**

BACTERIAL PILI see **PILI, BACTERIAL**

BACTERIAL POLYSACCHARIDES see **POLYSACCHARIDES, BACTERIAL**

BACTERIAL PROTEINS

Involvement of outer membrane proteins in freeze—thaw resistance of Escherichia coli. Calcott PH, et al.
Can J Microbiol 1984 Mar;30(3):339–44
Conformational and functional similarities between glutaredoxin and thioredoxins. Eklund H, et al.
EMBO J 1984 Jul;3(7):1443–9
The assignment of the 1H nuclear magnetic resonance spectrum of azurin. An investigation of the 1H NMR spectrum of the blue copper protein, azurin, from Pseudomonas aeruginosa, with reference to the previously determined crystal structure. Canters GW, et al.
Eur J Biochem 1984 Jan 2;138(1):141–52
Sequence-specific resonance assignments in the 1H nuclear-magnetic-resonance spectrum of the lac repressor DNA-binding domain 1–51 from Escherichia coli by two-dimensional spectroscopy. Zuiderweg ER, et al.
Eur J Biochem 1983 Dec 1;137(1–2):279–92
Structural transitions of porin, a transmembrane protein. Schindler M, et al. **FEBS Lett** 1984 Jul 23;173(1):85–9
Structure and role of eubacterial ribosomal proteins. Garrett RA. **Horiz Biochem Biophys** 1983;7:101–38 (109 ref.)
Comparative Cd-113 nuclear magnetic resonance studies of Cd(II)-substituted blue copper proteins. Engeseth HR, et al. **J Biol Chem** 1984 Apr 25;259(8):4822–6
The complete amino acid sequence of a biologically active 197-residue fragment of M protein isolated from type 5 group A streptococci. Manjula BN, et al. **J Biol Chem** 1984 Mar 25;259(6):3686–93
Verification of protein sequence by fast atom bombardment mass spectrometry. Amino acid sequence of protein S, a development-specific protein of Myxococcus xanthus. Takao T, et al. **J Biol Chem** 1984 May 25;259(10):6105–9
Rapid detection of herpes simplex virus in clinical specimens by use of a capture biotin-streptavidin enzyme-linked immunosorbent assay. Nerurkar LS, et al.
J Clin Microbiol 1984 Jul;20(1):109–14
Structural analysis of the variable major proteins of Borrelia hermsii. Barbour AG, et al. **J Exp Med** 1983 Dec 1; 158(6):2127–40
Gonococcal pili. Primary structure and receptor binding domain. Schoolnik GK, et al. **J Exp Med** 1984 May 1; 159(5):1351–70
Molybdenum EXAFS of the Desulfovibrio gigas Mo(2Fe-2S) protein—structural similarity to 'desulfo' xanthine dehydrogenase. Cramer SP, et al.
J Inorg Biochem 1984 Apr;20(4):275–80
A 37 X 10(3) molecular weight plasmid-encoded protein is required for replication and copy number control in the plasmid pSC101 and its temperature-sensitive derivative pHS1. Armstrong KA, et al. **J Mol Biol** 1984 May 25; 175(3):331–48
Two-state model for bacterial chemoreceptor proteins. The role of multiple methylation. Asakura S, et al.
J Mol Biol 1984 Jul 5;176(3):349–67
Crystallization of the ColE1 Rop protein. Banner DW, et al. **J Mol Biol** 1983 Nov 15;170(4):1059–60
Multidomain of flagellin. Fedorov OV, et al. **J Mol Biol** 1984 May 5;175(1):83–7
Crystallization and preliminary X-ray diffraction studies of colicin E3 immunity protein. Shoham M, et al.
J Mol Biol 1984 Aug 5;177(3):563–5
Occurrence of a single helix of the collagen type in globular proteins. Soman KV, et al. **J Mol Biol** 1983 Nov 15; 170(4):1045–8
Novel stereospecificity of the L-arabinose-binding protein. Quiocho FA, et al. **Nature** 1984 Aug 2–8;310(5976):381–6
3-A resolution structure of a protein with histone-like properties in prokaryotes. Tanaka I, et al. **Nature** 1984 Aug 2–8;310(5976):376–81
Crystallization of reaction center from Rhodopseudomonas sphaeroides: preliminary characterization. Allen JP, et al. **Proc Natl Acad Sci USA** 1984 Aug;81(15):4795–9
Structure of the Trg protein: Homologies with and differences from other sensory transducers of Escherichia coli. Bollinger J, et al. **Proc Natl Acad Sci USA** 1984 Jun; 81(11):3287–91
Mycoplasma and bacterial proteins resembling contractile proteins: a review. Neimark H. **Yale J Biol Med** 1983 Sep-Dec;56(5–6):419–23 (34 ref.)
[The effect of dehydration dynamics on the characteristics of the E. coli cells] Andreeva OV, et al. **Biofizika** 1984 May-Jun;29(3):447–52 (Eng. Abstr.) **(Rus)**
[Possible determination of the structural organization of bacterial and animal rhodopsins by the hydrophobicity of amino acid residues] Tarakhovskiĭ IuS. **Biofizika** 1984 May-Jun;29(3):383–8 (Eng. Abstr.) **(Rus)**

ANALYSIS

Ibc proteins as serotype markers of group B streptococci. Bevanger L. **Acta Pathol Microbiol Immunol Scand [B]** 1983 Aug;91(4):231–4
Surface characteristics of group A streptococci with and without M-protein. Miörner H, et al.
Acta Pathol Microbiol Immunol Scand [B] 1984 Feb; 92(1):23–30
Comparison of the amino acid compositions and antigenic properties of spiralins purified from the plasma membranes of different spiroplasmas. Wróblewski H, et al.
Ann Microbiol (Paris) 1984 Jan-Feb;135A(1):73–82
Multiply resistant viridans streptococci: susceptibility to beta-lactam antibiotics and comparison of penicillin-binding protein patterns. Farber BF, et al.
Antimicrob Agents Chemother 1983 Nov;24(5):702–5
Characterization of microbial proteolytic enzymes in the rumen. Prins RA, et al. **Antonie Van Leeuwenhoek** 1983 Dec;49(6):585–95
Negative correlation between protozoal and bacterial levels in rumen samples and its relation to the determination of dietary effects on the rumen microbial population. Teather RM, et al. **Appl Environ Microbiol** 1984 Mar;47(3):566–70
Cytoplasmic proteins of Streptococcus mutans (serotype c) and their interaction with fluoride. Yotis WW, et al.
Appl Environ Microbiol 1984 Mar;47(3):506–12
Influence of sodium dodecyl sulphate quality on the electrophoretic mobility of the outer membrane proteins of mucoid and non-mucoid Pseudomonas aeruginosa. Anwar H, et al. **Biochim Biophys Acta** 1983 Dec 13; 761(2):119–25
Latex agglutination test to identify coagulase, clumping factor and protein A produced by staphylococci. Wang D, et al. **Clin Invest Med** 1983;6(4):301–4
The serum sensitivity, colonial morphology, serogroup specificity, and outer membrane protein of Pseudomonas aeruginosa strains isolated from several clinical sites. Schiller NL, et al. **Diagn Microbiol Infect Dis** 1983 Jun; 1(2):145–57
A proton-nuclear-magnetic-resonance study at 500 MHz on Megasphaera elsdenii flavodoxin. A study on the stability, proton exchange and the assignment of some resonance lines. Moonen CT, et al. **Eur J Biochem** 1984 Apr 16; 140(2):311–8
Distance measurement by energy transfer. Ribosomal proteins L6, L10 and L11 of Escherichia coli. Steinhäuser KG, et al. **Eur J Biochem** 1983 Dec 1;137(1–2):337–45
Immunocytochemical demonstration of human proinsulin chimeric polypeptide within cytoplasmic inclusion bodies of Escherichia coli. Paul DC, et al. **Eur J Cell Biol** 1983 Sep;31(2):171–4
Clumping factor defective methicillin-resistant Staphylococcus aureus [letter] Lally R, et al.
Eur J Clin Microbiol 1984 Apr;3(2):151–2
Assay of type-specific M antigens on whole group A streptococci. Miörner H, et al. **Eur J Clin Microbiol** 1984 Feb;3(1):14–8
Two-dimensional analysis of proteins phosphorylated in E. coli cells. Desmarquets G, et al. **FEBS Lett** 1984 Aug 6; 173(2):337–41
A high-molecular-mass cell wall protein released from Clostridium tyrobutyricum by heat treatment. Hayes H, et al. **FEBS Lett** 1984 Sep 3;174(2):284–8
Effect of growing conditions on protein content and amino acid composition of Arthrobacter simplex. Ghosh BB, et al. **Hindustan Antibiot Bull** 1983 Feb-May;25(1–2):29–32
Antigenic analysis of soluble extract of Plasmodium berghei using sodium dodecyl sulphate polyacrylamide gel electrophoresis. Kumar P, et al. **Indian J Med Res** 1984 Mar;79:344–8
Identification and characterization of Campylobacter jejuni outer membrane proteins. Blaser MJ, et al.
Infect Immun 1983 Oct;42(1):276–84
Effects of growth temperature, 47-megadalton plasmid, and calcium deficiency on the outer membrane protein porin and lipopolysaccharide composition of Yersinia pestis EV76. Darveau RP, et al. **Infect Immun** 1983 Dec; 42(3):1092–101
Biochemical and immunological differences between hydrophobic and hydrophilic strains of Streptococcus mutans. McBride BC, et al. **Infect Immun** 1984 Apr; 44(1):68–75
Surface localization of Pseudomonas aeruginosa outer membrane porin protein F by using monoclonal antibodies. Mutharia LM, et al. **Infect Immun** 1983 Dec;42(3):1027–33
Comparison of major protein antigens and protein profiles of Treponema pallidum and Treponema pertenue. Thornburg RW, et al. **Infect Immun** 1983 Nov;42(2):623–7
Quantitative test for Bacteroides nodosus pilus protein by an agglutination-absorption test. Every D.
J Appl Bacteriol 1983 Oct;55(2):305–13
Structural and polypeptide differences between envelopes of infective and reproductive life cycle forms of Chlamydia spp. Hatch TP, et al. **J Bacteriol** 1984 Jan;157(1):13–20
Isolation and characterization of outer membranes of Bacteroides thetaiotaomicron grown on different carbohydrates. Kotarski SF, et al. **J Bacteriol** 1984 Apr; 158(1):102–9
Isolation and characterization of two distinct fractions from the inner membrane of dormant Bacillus megaterium spores. Swerdlow RD, et al. **J Bacteriol** 1984 Apr; 158(1):9–15
Yet another improved silver staining method for the detection of proteins in polyacrylamide gels. Tunón P, et al.
J Biochem Biophys Methods 1984 May;9(2):171–9
X-ray diffraction studies on chromatophore membrane from photosynthetic bacteria. II. Comparison of diffraction patterns of photosynthetic units from various purple bacteria. Kataoka M, et al. **J Biochem (Tokyo)** 1984 Feb; 95(2):567–73
Structural and functional studies of the dnaB protein using limited proteolysis. Characterization of domains for DNA-dependent ATP hydrolysis and for protein association in the primosome. Nakayama N, et al.
J Biol Chem 1984 Jan 10;259(1):88–96
Structure-function relationship in Escherichia coli translational initiation factors. Characterization of IF-3 by high resolution 1H NMR spectroscopy. Paci M, et al.
J Biol Chem 1984 Aug 10;259(15):9628–34
A model for the structure of fumarate reductase in the cytoplasmic membrane of Escherichia coli. Weiner JH, et al. **J Cell Biochem** 1984;24(3):205–14
Two-dimensional crystals formed from photosynthetic reaction centers. Miller KR, et al. **J Cell Biol** 1983 Oct; 97(4):1266–70
Immunoassay for detecting Chlamydia trachomatis major outer membrane protein. Caldwell HD, et al.
J Clin Microbiol 1983 Sep;18(3):539–45
Toxic shock syndrome: modification and comparison of methods for detecting marker proteins in Staphylococcus aureus. Cohen ML, et al. **J Clin Microbiol** 1983 Aug; 18(2):372–5
Streptococcal M6 protein expressed in Escherichia coli. Localization, purification, and comparison with streptococcal-derived M protein. Fischetti VA, et al.
J Exp Med 1984 Apr 1;159(4):1083–95
The intracellular localization of Pseudomonas aeruginosa lectins. Glick J, et al. **J Gen Microbiol** 1983 Oct;129 (Pt 10):3085–90
Altered arrangement of proteins in the spore coat of a germination mutant of Bacillus subtilis. Jenkinson HF.
J Gen Microbiol 1983 Jun;129 (Pt 6):1945–58
Isolation and characterization of the outer membrane from Vibrio parahaemolyticus. Koga T, et al.
J Gen Microbiol 1983 Oct;129 (Pt 10):3185–96
The identification of outer membrane proteins and flagella of Campylobacter jejuni. Newell DG, et al.
J Gen Microbiol 1984 May;130 (Pt 5):1201–8
Characterization of cell proteins of Haemophilus ducreyi by polyacrylamide gel electrophoresis. Odumeru JA, et al.
J Infect Dis 1983 Oct;148(4):710–4
Fingerprinting Acinetobacter strains from clinical sources by numerical analysis of electrophoretic protein patterns. Alexander M, et al. **J Med Microbiol** 1984 Aug;18(1):55–64
Characterization of proteins induced by mitomycin C treatment of Bacillus subtilis. Mauël C, et al. **J Virol** 1984 Mar;49(3):806–12
Polyacrylamide gel electrophoresis of spiral bacteria from the gastric antrum [letter] Pearson AD, et al. **Lancet** 1984 Jun 16;1(8390):1349–50
Typing scheme for Clostridium difficile: its application in clinical and epidemiological studies. Tabaqchali S, et al.
Lancet 1984 Apr 28;1(8383):935–8
Immunological studies of Escherichia coli mutants lacking one or two ribosomal proteins. Dabbs ER, et al. **MGG** 1983;192(3):301–8
Characterisation of a mutant from Escherichia coli lacking

protein L15 and localisation of protein L15 by immuno-electron microscopy. Lotti M, et al. **MGG** 1983; 192(3):295–300

The selective staining mechanism of phosphatase producing colonies in the diphosphatephenolphthalein-methyl green method for the detection of bacterial phosphatase activity. Satta G, et al. **Microbiologica** 1984 Apr;7(2):159–70

Polyacrylamide gel electrophoresis patterns produced by Clostridium difficile. Wexler H, et al. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl 1:S229–34

Analysis of the outer membrane proteins of Bacteroides nodosus, the causal organism of ovine footrot. Emery DL, et al. **Vet Microbiol** 1984 Apr;9(2):155–68

Location of attachment moiety on Mycoplasma pneumoniae. Collier AM, et al. **Yale J Biol Med** 1983 Sep–Dec; 56(5–6):671–7

Analysis of spiroplasma proteins: contribution to the taxonomy of group IV spiroplasmas and the characterization of spiroplasma protein antigens. Mouches C, et al. **Yale J Biol Med** 1983 Sep–Dec;56(5–6):431–7

Protein patterns of Streptomyces griseus strains during development. Vitális S, et al. **Z Allg Mikrobiol** 1984; 24(3):201–9

Molecular properties of high potential iron sulfur protein of Chromatium warmingii. Wermter U, et al. **Z Naturforsch [C]** 1983 Nov–Dec;38(11–12):968–71

Adherence properties of enterotoxigenic Escherichia coli (ETEC) isolated in the Tel-Aviv area. Zilberberg A, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Apr; 254(2):234–43

[Case of anti-streptolysin O activity in M-like protein detected by preparative electrofocusing] Matsunaga S, et al. **Rinsho Byori** 1983 Oct;31(10):1099–103 **(Jpn)**

[Use of fluorochromes with a phthalanhydride group for the cytochemical detection of proteins in prokaryotic and eukaryotic cells] Meisel' MN, et al. **Dokl Akad Nauk SSSR** 1983;273(4):987–90 **(Rus)**

[Determination of primary amines and protein by using fluorescamine in microorganism suspensions] Poglazova MN, et al. **Mikrobiologiia** 1984 Jan–Feb;53(1):28–32 (Eng. Abstr.) **(Rus)**

[Structure and density of ribosomal RNA and its complexes with proteins in a solution] Serdiuk IN, et al. **Mol Biol (Mosk)** 1984 Jan–Feb;18(1):244–61 (Eng. Abstr.) **(Rus)**

[Quantitative determination of the protein and carbohydrate polymers in the cell wall of Streptococcus group A] Savel'ev EP, et al. **Prikl Biokhim Mikrobiol** 1984 Jul–Aug; 20(4):473–9 (Eng. Abstr.) **(Rus)**

[Comparison of the spectra of membrane proteins in differentiating coagulase-negative staphylococci] Degteva GK, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Feb; (2):40–2 (Eng. Abstr.) **(Rus)**

[Comparison of the spectra of the extracellular proteins in differentiating staphylococcal cultures] Degteva GK, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Jul;(7):43–7 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Bacterial protein production from sugar cane bagasse pith. Molina OE, et al. **Acta Cient Venez** 1983;34(1):59–64

Studies on the induction of histidase in Vibrio el tor under nitrofurantoin resistant conditions. Haldar S, et al. **Acta Microbiol Pol** 1983;32(2):147–52

Molecular-organization and biosynthesis of pigment-protein complexes of Rhodopseudomonas capsulata. Drews G, et al. **Ann Microbiol (Paris)** 1983 Jul–Aug;134B(1):151–8 (24 ref.)

Protein synthesis in Escherichia coli during recovery from exposure to low levels of Cd2+. Mitra RS. **Appl Environ Microbiol** 1984 May;47(5):1012–6

Isolation and characterization of Corynebacterium diphtheriae nontandem double lysogens hyperproducing CRM197. Rappuoli R. **Appl Environ Microbiol** 1983 Sep; 46(3):560–4

Inhibitory action of virginiamycin components on cell-free systems for polypeptide formation from Bacillus subtilis. Cocito C, et al. **Arch Microbiol** 1983 Aug;135(1):8–11

Two-dimensional electrophoretic analysis of the regulation of SOS proteins in three ssb mutants. Johnson BF. **Arch Microbiol** 1984 Jun;138(2):106–12

Preferential stimulation of the in vivo synthesis of a protein by polyamines in Escherichia coli: purification and properties of the specific protein. Mitsui K, et al. **Biochemistry** 1984 Jun 5;23(12):2679–83

The efficiency of microbial protein synthesis in the rumen and the degradability of feed nitrogen between the mouth and abomasum in steers given different diets. McAllan AB, et al. **Br J Nutr** 1984 Jan;51(1):77–83

Effects of alkali treatment of wheat straw on intake and microbial protein synthesis in cattle. Sriskandarajah N, et al. **Br J Nutr** 1984 Mar;51(2):289–96

The control of accuracy during protein synthesis in Escherichia coli and perturbations of this control by streptomycin, neomycin, or ribosomal mutations. Brakier-Gingras L, et al. **Can J Biochem Cell Biol** 1984 May;62(5):231–44 (162 ref.)

Conditions for production of initiation protein for germination of Clostridium perfringens spores. Labbe RG, et al. **Can J Microbiol** 1983 Jul;29(7):829–32

Galactosamine inhibition of protein synthesis in Bacteroides thetaiotaomicron. Salyers AA, et al. **Can J Microbiol** 1983 Nov;29(11):1532–8

Nutritional factors affecting the synthesis of an antiphagocytic factor by group E streptococci. Wessman GE. **Can J Microbiol** 1984 Mar;30(3):406–11

The mechanism of self-assembly of the multi-enzyme complex tryptophan synthase from Escherichia coli. Lane AN, et al. **EMBO J** 1984 Feb;3(2):279–87

Synthesis of pigment-binding protein in toluene-treated Rhodopseudomonas capsulata and in cell-free systems. Dierstein R. **Eur J Biochem** 1984 Feb 1;138(3):509–18

Kinetics of alpha-amylase production in a continuous culture of Bacillus licheniformis. Votruba J, et al. **Folia Microbiol (Praha)** 1984;29(1):19–22

Amylase production by three Lactobacillus strains isolated from chicken crop. Champ M, et al. **J Appl Bacteriol** 1983 Dec;55(3):487–93

Genetic analysis and characterization of a Caulobacter crescentus mutant defective in membrane biogenesis. Hodgson D, et al. **J Bacteriol** 1984 May;158(2):430–40

Mutation causing reverse osmoregulation of synthesis of OmpF, a major outer membrane protein of Escherichia coli. Nara F, et al. **J Bacteriol** 1984 Aug;159(2):688–92

Expression of a gene in a 400-base-pair fragment of colicin plasmid ColE2-P9 is sufficient to cause host cell lysis. Pugsley AP, et al. **J Bacteriol** 1983 Oct;156(1):109–14

Effect of oxygen and UV irradiation on nucleic acid and protein syntheses in Bacteroides fragilis. Schumann JP, et al. **J Bacteriol** 1983 Dec;156(3):1366–8

Effect of cerulenin on macromolecule synthesis in chemoheterotrophically and photoheterotrophically grown Rhodopseudomonas sphaeroides. Shepherd WD, et al. **J Bacteriol** 1983 Dec;156(3):1322–31

Protein synthesis is required for in vivo activation of polysialic acid capsule synthesis in Escherichia coli K1. Whitfield C, et al. **J Bacteriol** 1984 Jul;159(1):321–8

Protein synthesis by intact Coxiella burnetii cells. Zuerner RL, et al. **J Bacteriol** 1983 Oct;156(1):186–91

Biosynthesis of the photosynthetic membranes of Rhodopseudomonas sphaeroides. Kaplan S, et al. **J Cell Biochem** 1983;22(1):15–29

Posttranslational modification and processing of membrane lipoproteins in bacteria. Wu HC, et al. **J Cell Biochem** 1983; 22(3):161–71

Production of toxic-shock-associated protein(s) in Staphylococcus aureus strains isolated from 1956 through 1982. Hayes PS, et al. **J Clin Microbiol** 1984 Jul;20(1):43–6

The pattern of protein synthesis in spoIVC mutants of Bacillus subtilis resuspended in sporulation medium. Boschwitz H, et al. **J Gen Microbiol** 1983 Oct;129 (Pt 10):3211–4

Fermenter growth of Streptococcus agalactiae and large-scale production of CAMP factor. Huser H, et al. **J Gen Microbiol** 1983 May;129 (Pt 5):1295–300

Effects of the mutant sigma allele rpoD800 on the synthesis of specific macromolecular components of the Escherichia coli K12 cell. Gross CA, et al. **J Mol Biol** 1984 Jan 25; 172(3):283–300

Induction of macrolide-lincosamide-streptogramin B resistance requires ribosomes able to bind inducer. Gryczan TJ, et al. **MGG** 1984;194(3):357–61

Synthesis of flagellin and hook subunit protein in flagellar mutants of Escherichia coli K12. Komeda Y, et al. **MGG** 1984;194(1–2):49–51

Cell-division control in Escherichia coli: specific induction of the SOS function SfiA protein is sufficient to block septation. Huisman O, et al. **Proc Natl Acad Sci USA** 1984 Jul;81(14):4490–4

Effect of altered lipid A synthesis on the synthesis of major proteins of the Salmonella typhimurium outer membrane. Rick PD, et al. **Rev Infect Dis** 1984 Jul–Aug;6(4):455–62

[Transport of phenylalanine and tyrosine in Brevibacterium linens: specificity and incorporation into proteins] Boyaval P, et al. **Can J Microbiol** 1984 Apr;30(4):430–8 (Eng. Abstr.) **(Fre)**

[Protein biosynthesis following heat shock in Bacillus subtilis] Wachlin G, et al. **Z Allg Mikrobiol** 1984;24(6):397–401 (Eng. Abstr.) **(Ger)**

[Effect of physical parameters on the production of streptococcal extracellular proteins in cultures with stabilized pH. II. Effect of temperature on the formation of streptococcal extracellular products] Ozegowski JH, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 May; 254(3):361–9 (Eng. Abstr.) **(Ger)**

[Dependence of Escherichia coli K-12 viability and mutability on the balance of DNA and protein syntheses. VI. Molecular mechanisms underlying the phenomena of imbalance death and metabolic mutagenesis] Fradkin GE, et al. **Genetika (Moskva)** 1984 Feb;20(2):219–23 (Eng. Abstr.) **(Rus)**

[Sporulation and crystal formation in Bacillus thuringiensis during growth limitation via nutrient sources] Sakharova ZV, et al. **Mikrobiologiia** 1984 Mar–Apr;53(2):279–84 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Comparison of outer membrane protein subtypes of Haemophilus influenzae type b isolates from healthy children in the general population and from diseased patients. Hampton CM, et al. **J Clin Microbiol** 1983 Sep; 18(3):596–600

Outer membrane protein subtypes and biotypes of Haemophilus influenzae type b: relation between strains isolated in 1934–1954 and 1977–1980. Barenkamp SJ, et al. **J Infect Dis** 1983 Dec;148(6):1127

The clonal nature of enteropathogenic Escherichia coli strains. Stenderup J, et al. **J Infect Dis** 1983 Dec; 148(6):1019–24

GENETICS

Protein-DNA recognition. Pabo CO, et al. **Annu Rev Biochem** 1984;53:293–321 (96 ref.)

Two-dimensional electrophoretic analysis of the regulation of SOS proteins in three ssb mutants. Johnson BF. **Arch Microbiol** 1984 Jun;138(2):106–12

Identification of the sporulation gene spoOA product of Bacillus subtilis. Kudoh J, et al. **Biochem Biophys Res Commun** 1984 Aug 16;122(3):1104–9

Control of basal-level codon misreading in Escherichia coli. Parker J, et al. **Biochem Biophys Res Commun** 1984 Jun 15;121(2):487–92

Amplification and isolation of Escherichia coli nusA protein and studies of its effects on in vitro RNA chain elongation. Schmidt MC, et al. **Biochemistry** 1984 Jan 17;23(2):197–203

The product of gene secC is involved in the synthesis of exported proteins in E. coli. Ferro-Novick S, et al. **Cell** 1984 Aug;38(1):211–7

Maintenance of multicopy plasmid Clo DF13 in E. coli cells: evidence for site-specific recombination at parB. Hakkaart MJ, et al. **Cell** 1984 Jan;36(1):203–9

Opacity determinants of Neisseria gonorrhoeae: gene expression and chromosomal linkage to the gonococcal pilus gene. Stern A, et al. **Cell** 1984 Jun;37(2):447–56

DNA-protein interaction at the origin of DNA replication of the plasmid pSC101. Vocke C, et al. **Cell** 1983 Dec;35(2 Pt 1):495–502

Mini-F encoded proteins: identification of a new 10.5 kilodalton species. Bex F, et al. **EMBO J** 1983; 2(11):1853–61

The nucleotide sequence of an Escherichia coli operon containing genes for the tRNA(m1G)methyltransferase, the ribosomal proteins S16 and L19 and a 21-K polypeptide. Byström AS, et al. **EMBO J** 1983;2(6):899–905

Purification of the E. coli dnaA gene product. Chakraborty T, et al. **EMBO J** 1982;1(12):1545–9

Autogenous control: ribosomal protein L10-L12 complex binds to the leader sequence of its mRNA. Johnsen M, et al. **EMBO J** 1982;1(8):999–1004

Sequence of the lacZ gene of Escherichia coli. Kalnins A, et al. **EMBO J** 1983;2(4):593–7

Construction of versatile expression cloning vehicles using the lipoprotein gene of Escherichia coli. Nakamura K, et al. **EMBO J** 1982;1(6):771–5

The E. coli divE mutation, which differentially inhibits synthesis of certain proteins, is in tRNASer1. Tamura F, et al. **EMBO J** 1984 May;3(5):1103–7

Regulation of the uvrC gene of Escherichia coli K12: localization and characterization of a damage-inducible promoter. van Sluis CA, et al. **EMBO J** 1983;2(12):2313–8

Gene expression in a temperature-sensitive gyrB mutant of Escherichia coli. Wahle E, et al. **EMBO J** 1984 Feb; 3(2):315–20

Gene fusions using the ompA gene coding for a major outer-membrane protein of Escherichia coli K12. Henning U, et al. **Eur J Biochem** 1983 Nov 2;136(2):233–40

The fimA gene encoding the type-1 fimbrial subunit of Escherichia coli. Nucleotide sequence and primary structure of the protein. Klemm P. **Eur J Biochem** 1984 Sep 3;143(2):395–9

Selection of Escherichia coli K12 1EA mutants with increased synthesis of ribitol dehydrogenase. Kyslik P, et al. **Folia Microbiol (Praha)** 1984;29(1):1–7

Transcriptional control of the uvrD gene of Escherichia coli. Arthur HM, et al. **Gene** 1983 Nov;25(2–3):309–16

Nucleotide sequence of the Bacillus subtilis trpE and trpD genes. Band L, et al. **Gene** 1984 Jan;27(1):55–65

The rep mutation. VII. Cloning and analysis of the functional rep gene of Escherichia coli K-12. Białkowska-Hobrzańska H, et al. **Gene** 1984 Apr;28(1):93–102

Characterization of the ush gene of Escherichia coli and its protein products. Burns DM, et al. **Gene** 1983 Nov; 25(2–3):343–53

Nucleotide sequence of gene pfkB encoding the minor phosphofructokinase of Escherichia coli K-12. Daldal F. **Gene** 1984 Jun;28(3):337–42

Transfer and expression of recombinant plasmids carrying pneumococcal mal genes in Bacillus subtilis. Espinosa M, et al. **Gene** 1984 Jun;28(3):301–10

Nucleotide sequence of the regulatory region of the uvrD gene of Escherichia coli. Finch P, et al. **Gene** 1983 Nov; 25(2–3):317–23

Correlation of DNA adenine methylase activity with spontaneous mutability in Escherichia coli K-12. Marinus MG, et al. **Gene** 1984 Apr;28(1):123–5

Isolation of a functional exuR-repressor-beta-galactosidase hybrid protein by use of in vitro gene fusions. Mata-Gilsinger M, et al. **Gene** 1983 Nov;25(1):9–20

Sequence homology between the tetracycline-resistance determinants of Tn10 and pBR322. Nguyen TT, et al. **Gene** 1983 Nov;25(1):83–92

Overproduction of Escherichia coli NusA protein. Olins PO, et al. **Gene** 1983 Dec;26(1):11–8

New versatile plasmid vectors for expression of hybrid proteins coded by a cloned gene fused to lacZ gene sequences encoding an enzymatically active

carboxy-terminal portion of beta-galactosidase. Shapira SK, et al. **Gene** 1983 Nov;25(1):71–82
Cloning and characterization of the gene for Salmonella typhimurium serine hydroxymethyltransferase. Urbanowski ML, et al. **Gene** 1984 Jan;27(1):47–54
Complete nucleotide sequence of the glutamate dehydrogenase gene from Escherichia coli K-12. Valle F, et al. **Gene** 1984 Feb;27(2):193–9
The pleiotropic ts15 mutation of E. coli is an IS1 insertion in the rho structural gene. Gulletta E, et al. **Genetics** 1983 Oct;105(2):265–80
Identification of mutations associated with macrofiber formation in Bacillus subtilis. Saxe CL 3d, et al. **Genetics** 1984 Aug;107(4):551–61
Molecular cloning of the major outer membrane protein of Chlamydia trachomatis. Allan I, et al. **Infect Immun** 1984 Sep;45(3):637–41
Characterization of Neisseria gonorrhoeae protein II phase variation by use of monoclonal antibodies. Black WJ, et al. **Infect Immun** 1984 Aug;45(2):453–7
In vitro synthesis of the delta-lysin of Staphylococcus aureus. Lee KY, et al. **Infect Immun** 1984 May;44(2):434–8
Translational coupling of the trpB and trpA genes in the Escherichia coli tryptophan operon. Aksoy S, et al. **J Bacteriol** 1984 Feb;157(2):363–7
Effect of dnaA and rpoB mutations on attenuation in the trp operon of Escherichia coli. Atlung T, et al. **J Bacteriol** 1983 Dec;156(3):985–92
Selection of lac gene fusions in vivo: ompR-lacZ fusions that define a functional domain of the ompR gene product. Berman ML, et al. **J Bacteriol** 1984 Aug;159(2):750–6
Phase variation and the Hin protein: in vivo activity measurements, protein overproduction, and purification. Bruist MF, et al. **J Bacteriol** 1984 Jul;159(1):71–9
Variation of levels of mRNA coding for antenna and reaction center polypeptides in Rhodopseudomonas capsulata in response to changes in oxygen concentration. Clark WG, et al. **J Bacteriol** 1984 Mar;157(3):945–8
Molecular cloning of the ferrichrome-iron receptor of Escherichia coli K-12. Coulton JW, et al. **J Bacteriol** 1983 Dec;156(3):1315–21
Intracistronic complementation of the tetracycline resistance membrane protein of Tn10. Curiale MS, et al. **J Bacteriol** 1984 Jan;157(1):211–7
Cloning of a new low-molecular-weight spore-specific protein gene from Bacillus megaterium. Curiel-Quesada E, et al. **J Bacteriol** 1984 Mar;157(3):751–7
Identification of a rhizosphere protein encoded by the symbiotic plasmid of Rhizobium leguminosarum. Dibb NJ, et al. **J Bacteriol** 1984 May;158(2):621–7
Acquisition of Escherichia coli outer membrane proteins by Bdellovibrio sp. strain 109D. Diedrich DL, et al. **J Bacteriol** 1984 Jul;159(1):329–34
Biochemical and genetic characterization of the tet determinant of Bacillus plasmid pAB124. Eccles SJ, et al. **J Bacteriol** 1984 Apr;158(1):134–40
Limited homology between trg and the other transducer proteins of Escherichia coli. Engström P, et al. **J Bacteriol** 1983 Dec;156(3):1268–74
Roles of the uvsC, uvsD, uvsE, and mtcA genes in the two pyrimidine dimer excision repair pathways of Deinococcus radiodurans. Evans DM, et al. **J Bacteriol** 1983 Nov; 156(2):576–83
Complete nucleotide sequence and start sites for transcription and translation of the Bacillus megaterium protein C gene. Fliss ER, et al. **J Bacteriol** 1984 Jun;158(3):809–13
Isolation and characterization of chain-terminating nonsense mutations in a porin regulator gene, envZ. Garrett S, et al. **J Bacteriol** 1983 Oct;156(1):62–9
Plasmid ColE3 specifies a lysis protein. Jakes KS, et al. **J Bacteriol** 1984 Feb;157(2):582–90
Restriction and modification in Bacillus subtilis: sequence specificities of restriction/modification systems BsuM, BsuE, and BsuF. Jentsch S. **J Bacteriol** 1983 Nov; 156(2):800–8
Bacteriophage chi sensitivity and motility of Escherichia coli K-12 and Salmonella typhimurium Fla- mutants possessing the hook structure. Kagawa H, et al. **J Bacteriol** 1984 Feb; 157(2):649–54
Effects of deletion of the gene for the development-specific protein S on differentiation in Myxococcus xanthus. Komano T, et al. **J Bacteriol** 1984 Jun;158(3):1195–7
Subcloning of the cloacin DF13/aerobactin receptor protein and identification of a pColV-K30-determined polypeptide involved in ferric-aerobactin uptake. Krone WJ, et al. **J Bacteriol** 1983 Nov;156(2):945–8
Isolation of uvrA mutation on a multicopy plasmid: preliminary characterization of the mutant protein. Lorensen E, et al. **J Bacteriol** 1984 Mar;157(3):857–62
Identification of the phoM gene product and its regulation in Escherichia coli K-12. Ludtke D, et al. **J Bacteriol** 1984 Jul;159(1):19–25
Gene envY of Escherichia coli K-12 affects thermoregulation of major porin expression. Lundrigan MD, et al. **J Bacteriol** 1984 Jan;157(1):262–8
Nucleotide sequence of the phoS gene, the structural gene for the phosphate-binding protein of Escherichia coli. Magota K, et al. **J Bacteriol** 1984 Mar;157(3):909–17
Expression of Bacillus megaterium and Bacillus subtilis small acid-soluble spore protein genes during stationary-phase growth of asporogenous B. subtilis mutants. Mason JM, et al. **J Bacteriol** 1984 Mar;157(3):931–3
Genetic analysis of the functional relationship between colicin E3 and its immunity protein. Mock M, et al. **J Bacteriol** 1984 Aug;159(2):658–62
K88ab gene of Escherichia coli encodes a fimbria-like protein distinct from the K88ab fimbrial adhesin. Mooi FR, et al. **J Bacteriol** 1984 Aug;159(2):482–7
Escherichia coli K-12 outer membrane protein (OmpA) as a bacteriophage receptor: analysis of mutant genes expressing altered proteins. Morona R, et al. **J Bacteriol** 1984 Aug;159(2):570–8
Physical mapping and complementation analysis of transposon Tn5 mutations in Caulobacter crescentus: organization of transcriptional units in the hook gene cluster. Ohta N, et al. **J Bacteriol** 1984 Jun;158(3):897–904
lon gene product of Escherichia coli is a heat-shock protein. Phillips TA, et al. **J Bacteriol** 1984 Jul;159(1):283–7
Physical map of Salmonella typhimurium LT2 DNA in the vicinity of the proA gene. Riley M, et al. **J Bacteriol** 1984 Feb;157(2):655–7
Characterization of the cloned fip gene and its product. Russel M, et al. **J Bacteriol** 1984 Feb;157(2):526–32
Regulation of outer membrane protein synthesis in Escherichia coli K-12: deletion of ompC affects expression of the OmpF protein. Schnaitman CA, et al. **J Bacteriol** 1984 Aug;159(2):555–63
Regulation of cell division in Escherichia coli: SOS induction and cellular location of the sulA protein, a key to lon-associated filamentation and death. Schoemaker JM, et al. **J Bacteriol** 1984 May;158(2):551–61
Cloning of Bordetella pertussis outer membrane proteins in Escherichia coli. Shareck F, et al. **J Bacteriol** 1984 Aug; 159(2):780–2
Overlapping functional units in a cell division gene cluster in Escherichia coli. Sullivan NF, et al. **J Bacteriol** 1984 Jun;158(3):1198–201
Structural gene for the phosphate-repressible phosphate-binding protein of Escherichia coli has its own promoter: complete nucleotide sequence of the phoS gene. Surin BP, et al. **J Bacteriol** 1984 Mar;157(3):772–8
Two tuf genes in the cyanobacterium Spirulina platensis. Tiboni O, et al. **J Bacteriol** 1984 Jul;159(1):407–9
Amino terminus of outer membrane PhoE protein: localization by use of a bla-phoE hybrid gene. Tommassen J, et al. **J Bacteriol** 1984 Jan;157(1):327–9
Participation of Escherichia coli K-12 groE gene products in the synthesis of cellular DNA and RNA. Wada M, et al. **J Bacteriol** 1984 Feb;157(2):694–6
Genetic mapping and characterization of Pseudomonas aeruginosa mutants defective in the formation of extracellular proteins. Wretlind B, et al. **J Bacteriol** 1984 Jun;158(3):801–8
Overproduction in Escherichia coli K-12 and purification of the TraJ protein encoded by the conjugative plasmid F. Cuozzo M, et al. **J Biol Chem** 1984 May 25; 259(10):6659–66
The interaction of DNA polymerase III and the product of the Escherichia coli mutator gene, mutD. DiFrancesco R, et al. **J Biol Chem** 1984 May 10;259(9):5567–73
LexA protein is a repressor of the colicin E1 gene. Ebina Y, et al. **J Biol Chem** 1983 Nov 10;258(21):13258–61
The nucleotide sequence of the gene for malF protein, an inner membrane component of the maltose transport system of Escherichia coli. Repeated DNA sequences are found in the malE-malF intercistronic region. Froshauer S, et al. **J Biol Chem** 1984 Sep 10;259(17):10896–903
Amplification and purification of plasmid-encoded thioredoxin from Escherichia coli K12. Lunn CA, et al. **J Biol Chem** 1984 Aug 25;259(16):10469–74
Nucleotide sequence of dnaB and the primary structure of the dnaB protein from Escherichia coli. Nakayama N, et al. **J Biol Chem** 1984 Jan 10;259(1):97–101
Differential acylation in vitro with tetradecanoyl coenzyme A and tetradecanoic acid (+ATP) of three polypeptides shown to have induced synthesis in Photobacterium phosphoreum. Wall L, et al. **J Biol Chem** 1984 Feb 10; 259(3):1409–14
Linker mutagenesis in the gene of an outer membrane protein of Escherichia coli, lamB. Bouges-Bocquet B, et al. **J Cell Biochem** 1984;24(3):217–28
Secretion and degradation of mutant leucine-specific binding protein molecules containing C-terminal deletions. Landick R, et al. **J Cell Biochem** 1984;24(4):331–44
Expression and regulation of protein K, an Escherichia coli K1 porin, in Escherichia coli K-12. Sutcliffe JA, et al. **J Cell Biochem** 1983;23(1–4):71–9
Dye sensitivity correlated with envelope protein changes in dye (sfrA) mutants of Escherichia coli K12 defective in the expression of the sex factor F. Buxton RS, et al. **J Gen Microbiol** 1983 Nov;129 (Pt 11):3363–70
Genetic analysis of H2, the structural gene for phase-2 flagellin in Salmonella. Yamaguchi S, et al. **J Gen Microbiol** 1984 Feb;130 (Pt 2):255–65
Gene expression during development of Myxococcus xanthus. Analysis of the genes for protein S. Downard JS, et al. **J Mol Biol** 1984 Jun 5;175(4):469–92
Identification of a development-specific promoter of Myxococcus xanthus. Inouye S. **J Mol Biol** 1984 Mar 25; 174(1):113–20
Transcription of the sulA gene and repression by LexA. Mizusawa S, et al. **J Mol Biol** 1983 Dec 15;171(3):337–43
The protein burden of lac operon products. Koch AL. **J Mol Evol** 1983;19(6):455–62
Genetic analysis of protein export in Escherichia coli. Beckwith J, et al. **Methods Enzymol** 1983;97:3–11
Isolation of mutants of the major outer membrane lipoprotein of Escherichia coli for the study of its assembly. Coleman J, et al. **Methods Enzymol** 1983;97:124–9
Synthesis and assembly of the outer membrane proteins OmpA and OmpF of Escherichia coli. Crowlesmith I, et al. **Methods Enzymol** 1983;97:112–24
Insertion of proteins into bacterial membranes. Model P, et al. **Methods Enzymol** 1983;97:138–46
Isolation and characterization of mutants of Escherichia coli K12 affected in protein localization. Silhavy TJ, et al. **Methods Enzymol** 1983;97:11–40
Transcription of the trpR gene of Escherichia coli: an autogeneously regulated system studied by direct measurements of mRNA levels in vivo. Bogosian G, et al. **MGG** 1984;193(2):244–50
Dissociation of peptidyl-tRNA ..om ribosomes is perturbed by streptomycin and by strA mutations. Caplan AB, et al. **MGG** 1984;194(3):534–8
Increased expression of the dnaA gene has no effect on DNA replication in a dnaA+ strain of Escherichia coli. Churchward G, et al. **MGG** 1983;192(3):506–8
Characterization of the new insertion sequence IS91 from an alpha-hemolysin plasmid of Escherichia coli. Diaz-Aroca E, et al. **MGG** 1984;193(3):493–9
DNA sequence and regulation of ermD, a macrolide-lincosamide-streptogramin B resistance element from Bacillus licheniformis. Gryczan T, et al. **MGG** 1984; 194(3):349–56
Cloning of the dnaB gene of Escherichia coli: the dnaB gene of groPB534 and groPB612 and the replication of phage lambda. Günther E, et al. **MGG** 1984;193(2):225–30
Evolutionary relationships of the Bacillus licheniformis macrolide-lincosamide-streptogramin B resistance elements. Israeli-Reches M, et al. **MGG** 1984;194(3):362–7
Recognition sites for a membrane-derived DNA binding protein preparation in the E. coli replication origin. Jacq A, et al. **MGG** 1983;191(3):460–5
Insertions of transposable elements in the promoter proximal region of the gene cluster for Escherichia coli H+-ATPase: 8 base pair repeat generated by insertion of IS1. Kanazawa H, et al. **MGG** 1984;194(1–2):179–87
Plasmid RP4 encodes two forms of a DNA primase. Lanka E, et al. **MGG** 1984;194(1–2):65–72
Secretion of a 107 K dalton polypeptide into the medium from a haemolytic E. coli K12 strain. Mackman N, et al. **MGG** 1984;193(2):312–5
Genetic studies on the beta subunit of Escherichia coli RNA polymerase. IV. Structure-function correlates. Nene V, et al. **MGG** 1984;194(1–2):166–72
cis-Dominant, glutamine synthetase constitutive mutations of Escherichia coli independent of activation by the glnG and glnF products. Osorio AV, et al. **MGG** 1984; 194(1–2):114–23
Cloning and characterization of the xyl genes from Escherichia coli. Rosenfeld SA, et al. **MGG** 1984; 194(3):410–5
The role of insertions, deletions, and substitutions in the evolution of R6 related plasmids encoding aminoglycoside transferase ANT-(2'). Schmidt F. **MGG** 1984; 194(1–2):248–59
Molecular organisation of the genes involved in the production of F7(2) fimbriae, causing mannose-resistant haemagglutination, of a uropathogenic Escherichia coli 06:K2:H1:F7 strain. van Die I, et al. **MGG** 1984; 194(3):528–33
Effects of recB, recF and uvrA mutations on Weigle reactivation of lambda phages in Escherichia coli K12 treated with 8-methoxypsoralen or angelicin and 365-nm light. Lichtenberg B, et al. **Mutat Res** 1983 Oct; 112(5):253–60
Resistance to nitrofurantoin and UV-irradiation in recA; uvrA; and uvrA, lexA, Escherichia coli mutants conferred by an R-plasmid from an Escherichia coli clinical isolate. Obaseiki-Ebor EE. **Mutat Res** 1984 Jan;139(1):5–8
DNA sequence and transcription of the region upstream of the E. coli gyrB gene. Adachi T, et al. **Nucleic Acids Res** 1984 Aug 24;12(16):6389–95
Map location and nucleotide sequence of korA, a key regulatory gene of promiscuous plasmid RK2. Bechhofer DH, et al. **Nucleic Acids Res** 1983 Nov 11;11(21):7453–69
Transcription of the uvrD gene of Escherichia coli is controlled by the lexA repressor and by attenuation. Easton AM, et al. **Nucleic Acids Res** 1983 Dec 20;11(24):8625–40
The nucleotide sequence of the uvrD gene of E. coli. Finch PW, et al. **Nucleic Acids Res** 1984 Jul 25;12(14):5789–99
The amino-acid sequence of two non-toxic mutants of diphtheria toxin: CRM45 and CRM197. Giannini G, et al. **Nucleic Acids Res** 1984 May 25;12(10):4063–9
Nucleotide sequence of the tmr locus of Agrobacterium tumefaciens pTi T37 T-DNA. Goldberg SB, et al. **Nucleic Acids Res** 1984 Jun 11;12(11):4665–77
Primary structure of the tolC gene that codes for an outer membrane protein of Escherichia coli K12. Hackett J, et al. **Nucleic Acids Res** 1983 Sep 24;11(18):6487–95
The nucleotide sequence of the cloned nusA gene and its flanking region of Escherichia coli. Ishii S, et al. **Nucleic Acids Res** 1984 Apr 11;12(7):3333–42
Molecular cloning and nucleotide sequencing of the nusB gene of E. coli. Ishii S, et al. **Nucleic Acids Res** 1984 Jun 25;12(12):4987–95

Transcription analysis of the lexA gene of Escherichia coli: attenuation and cotranscription with the neighboring region. Miki T, et al. **Nucleic Acids Res** 1984 Jan 25; 12(2):1203–17

The wild-type nucleotide sequence of the rpoBC-attenuator region of Escherichia coli DNA and its implications for the nature of the rifd18 mutation. Morgan BA, et al. **Nucleic Acids Res** 1984 Jul 11;12(13):5465–70

Sequences of the E. coli uvrC gene and protein. Sancar GB, et al. **Nucleic Acids Res** 1984 Jun 11;12(11):4593–608

Distal regulatory functions for the uvrC gene of E. coli. Sharma S, et al. **Nucleic Acids Res** 1984 Jul 11; 12(13):5341–54

The nucleotide sequence of the Escherichia coli K12 nusB (groNB) gene. Swindle J, et al. **Nucleic Acids Res** 1984 Jun 25;12(12):4977–85

The structural periodicity of E. coli ribosomal proteins. Ivanov OC, et al. **Orig Life** 1984;14(1–4):557–64

UV-lysogenic induction of lambda phage in lexA1 mutants of Escherichia coli: kinetics of the process. Carvalho RE, et al. **Photochem Photobiol** 1984 May;39(5):619–23

Physical and functional map of the hemolytic plasmid pSU316. Andrés I, et al. **Plasmid** 1984 Jan;11(1):96–8

Construction of a plasmid containing functional Escherichia coli uvrA, B, and C genes in a configuration potentially suitable for mammalian expression. DeLuca JG, et al. **Plasmid** 1984 May;11(3):253–9

A large transmissible plasmid is required for crystal toxin production in Bacillus thuringiensis variety israelensis. González JM Jr, et al. **Plasmid** 1984 Jan;11(1):28–38

Synthesis of F-pilin polypeptide in the absence of F traJ product. Ippen-Ihler K, et al. **Plasmid** 1984 Mar; 11(2):116–29

Proteins encoded by the trans-acting replication and maintenance regions of broad host range plasmid RK2. Kornacki JA, et al. **Plasmid** 1984 Jan;11(1):48–57

Molecular analysis of the recF gene of Escherichia coli. Blanar MA, et al. **Proc Natl Acad Sci USA** 1984 Aug; 81(15):4622–6

Removal of UV light-induced pyrimidine-pyrimidone(6–4) products from Escherichia coli DNA requires the uvrA, uvrB, and urvC gene products. Franklin WA, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(12):3821–4

Use of gene fusions and protein-protein interaction in the isolation of a biologically active regulatory protein: the replication initiator protein of plasmid R6K. Germino J, et al. **Proc Natl Acad Sci USA** 1983 Nov;80(22):6848–52

Attenuation of the ilvB operon by amino acids reflecting substrates or products of the ilvB gene product. Hauser CA, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(1):76–9

Structural similarities between the development-specific protein S from a gram-negative bacterium, Myxococcus xanthus, and calmodulin. Inouye S, et al. **Proc Natl Acad Sci USA** 1983 Nov;80(22):6829–33

tRNAMetf2 gene in the leader region of the nusA operon in Escherichia coli. Ishii S, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(2):409–13

groEL and dnaK genes of Escherichia coli are induced by UV irradiation and nalidixic acid in an htpR+-dependent fashion. Krueger JH, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(5):1499–503

Hyperrecombination at a specific DNA sequence in pneumococcal transformation. Lefèvre JC, et al. **Proc Natl Acad Sci USA** 1984 Aug;81(16):5184–8

Autodigestion of lexA and phage lambda repressors. Little JW. **Proc Natl Acad Sci USA** 1984 Mar;81(5):1375–9

Unusual alleles of recB and recC stimulate excision of inverted repeat transposons Tn10 and Tn5. Lundblad V, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(3):824–8

Amino acid sequence homology among the major outer membrane proteins of Escherichia coli. Nikaido H, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(4):1048–52

RNase H confers specificity in the dnaA-dependent initiation of replication at the unique origin of the Escherichia coli chromosome in vivo and in vitro. Ogawa T, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(4):1040–4

Replication of the broad host range plasmid RSF1010: requirement for three plasmid-encoded proteins. Scherzinger E, et al. **Proc Natl Acad Sci USA** 1984 Feb; 81(3):654–8

Target cell specificity of wild-type E. coli and mutants and clones with genetically defined adhesins. Svanborg Edén C, et al. **Prog Food Nutr Sci** 1983;7(3–4):75–89

Small DNA deletions creating avirulence in Streptococcus pyogenes. Spanier JG, et al. **Science** 1984 Aug 31; 225(4665):935–8

[Stringent control of relA gene transcription in cells of Escherichia coli] Bochkanov SS, et al. **Mol Biol (Mosk)** 1983 Sep–Oct;17(5):958–64 (Eng. Abstr.) **(Rus)**

[Regulation of SOS functions by rec A protein] Levashev VS, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Mar; (3):15–9 (49 ref.) **(Rus)**

IMMUNOLOGY

The role of protein component of T. pallidum in inducing skin reaction for delayed hypersensitivity. Podwińska J. **Arch Immunol Ther Exp (Warsz)** 1983;31(6):887–93

Epitope specific immunity elicited by a synthetic streptococcal antigen without carrier or adjuvant. Jolivet M, et al. **Biochem Biophys Res Commun** 1983 Dec 16; 117(2):359–66

Immunological studies of post-streptococcal sequelae: serological studies with an extracellular protein associated with nephritogenic streptococci. Ohkuni H, et al. **Clin Exp Immunol** 1983 Oct;54(1):185–93

Absence of Mycoplasma pneumoniae cytadsorption protein P1 in Mycoplasma genitalium and Mycoplasma gallisepticum. Baseman JB, et al. **Infect Immun** 1984 Mar; 43(3):1103–5

In vitro cytotoxic effect of alpha-hemolytic Escherichia coli on human blood granulocytes. Gadeberg OV, et al. **Infect Immun** 1984 Jul;45(1):255–60

Immunogenic proteins in cell-free culture supernatants of Haemophilus influenzae type b. Gulig PA, et al. **Infect Immun** 1984 Apr;44(1):41–8

Antibody response of infected mice to outer membrane proteins of Pseudomonas aeruginosa. Hedstrom RC, et al. **Infect Immun** 1984 Jan;43(1):49–53

Immunogenicity of Pseudomonas aeruginosa outer membrane antigens examined by crossed immunoelectrophoresis. Lam JS, et al. **Infect Immun** 1983 Oct;42(1):88–98

A type-specific antigen of Eikenella corrodens is the major outer membrane protein. Maliszewski CR, et al. **Infect Immun** 1983 Oct;42(1):208–13

Chlamydia trachomatis species-specific epitope detected on mouse biovar outer membrane protein. Stephens RS, et al. **Infect Immun** 1984 Sep;45(3):790–1

Inhibition of Neisseria gonorrhoeae attachment to HeLa cells with monoclonal antibody directed against a protein II. Sugasawara RJ, et al. **Infect Immun** 1983 Dec;42(3):980–5

Immune response to porin in cattle immunized with whole cell, outer membrane, and outer membrane protein antigens of Brucella abortus combined with trehalose dimycolate and muramyl dipeptide adjuvants. Winter AJ, et al. **Infect Immun** 1983 Dec;42(3):1159–67

Repeating covalent structure and protective immunogenicity of native and synthetic polypeptide fragments of type 24 streptococcal M protein. Mapping of protective and nonprotective epitopes with monoclonal antibodies. Beachey EH, et al. **J Biol Chem** 1983 Nov 10; 258(21):13250–7

Group B streptococcal Ibc protein antigen: distribution of two determinants in wild-type strains of common serotypes. Johnson DR, et al. **J Clin Microbiol** 1984 Apr; 19(4):506–10

Type-specific immunogenicity of a chemically synthesized peptide fragment of type 5 streptococcal M protein. Dale JB, et al. **J Exp Med** 1983 Nov 1;158(5):1727–32

Common protective antigens of group A streptococcal M proteins masked by fibrinogen. Whitnack E, et al. **J Exp Med** 1984 Apr 1;159(4):1201–12

The serological properties of the cell surface proteins of Vibrio cholerae. Kabir S. **J Gen Microbiol** 1983 Jul;129 (Pt 7):2199–206

Suppression of human peripheral blood lymphocytes by Fusobacterium nucleatum. Shenker BJ, et al. **J Immunol** 1984 May;132(5):2357–62

Quantitation and identification of antibodies to outer-membrane proteins of Pseudomonas aeruginosa in sera of patients with cystic fibrosis. Hancock RE, et al. **J Infect Dis** 1984 Feb;149(2):220–6

Serological classification of Neisseria gonorrhoeae with use of monoclonal antibodies to gonococcal outer membrane protein I. Knapp JS, et al. **J Infect Dis** 1984 Jul;150(1):44–8

Gonococcal protein I-specific opsonic IgG in normal human serum. Sarafian SK, et al. **J Infect Dis** 1983 Dec; 148(6):1025–32

Antigenic variation during infection with Neisseria gonorrhoeae: detection of antibodies to surface proteins in sera of patients with gonorrhea. Zak K, et al. **J Infect Dis** 1984 Feb;149(2):166–74

Immunogenic and protective properties of meningococcal serotype 2a protein in the hen-embryo model. Ashton FE, et al. **J Med Microbiol** 1983 Nov;16(4):443–57

M-associated protein antibodies in patients with rheumatic fever. Martin DR, et al. **J Med Microbiol** 1984 Apr; 17(2):189–99

Reactions of extracts of Reiter treponeme with syphilitic and non-syphilitic human sera in the single radial haemolysis technique. Al-Qudah AA, et al. **J Med Microbiol** 1984 Jun;17(3):273–82

Preliminary crystallographic data for a monoclonal Fab fragment specific for HPr of the phosphoenolpyruvate: sugar phosphotransferase system of Escherichia coli. Vandonselaar M, et al. **J Mol Biol** 1984 Aug 5; 177(2):369–71

Agglutinogens, White's 'Q' substance and the common proteins of Enterobacteriaceae. Barber C. **Microbios** 1984; 41(160):79–86

Epitope-specific protective immunogenicity of chemically synthesized 13-, 18-, and 23-residue peptide fragments of streptococcal M protein. Beachey EH, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(7):2203–7

The use of a brucella protein antigen in dermal hypersensitivity as an adjunct method to diagnose bovine brucellosis. Nicoletti P. **Vet Immunol Immunopathol** 1983 Nov;5(1):27–31

K99 surface haemagglutinin of enterotoxigenic E. coli recognize terminal N-acetylgalactosamine and sialic acid residues of glycophorin and other complex glycoconjugates. Lindahl M, et al. **Vet Microbiol** 1984 Jul; 9(3):249–57

Location of attachment moiety on Mycoplasma pneumoniae. Collier AM, et al. **Yale J Biol Med** 1983 Sep–Dec; 56(5–6):671–7

Effects of a glycopolypeptide from the slime of P. aeruginosa on phagocytosis by mouse macrophages. Nadaud M. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Jul; 254(4):489–99

Antigenic analysis of Barber's protein antigen prepared from Salmonella typhi and demonstration of protein-specific antibodies in sera of typhoid patients. Tsang RS, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Apr; 254(2):244–52

[Activation of murine B lymphocytes by RU 41740, a glycoprotein extract from Klebsiella pneumoniae] Guenounou M, et al. **C R Seances Acad Sci [III]** 1984; 298(6):135–8 (Eng. Abstr.) **(Fre)**

[Studies on the measurement of antibody against an extracellular protein associated with nephritogenic streptococci by using the enzyme-linked immunosorbent assay (ELISA)] Quan JW, et al. **Nippon Ika Daigaku Zasshi** 1984 Jun;51(3):339–45 (Eng. Abstr.) **(Jpn)**

[Partial antigenic structure of group H10 flagellins in Escherichia coli and its genetic determination] Ratiner IuA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Nov; (11):21–6 (Eng. Abstr.) **(Rus)**

[Prospects for the development of an anti-adhesive vaccine against strains of Escherichia coli causing diarrhea in humans (3)] Cravioto A. **Bol Med Hosp Infant Mex** 1984 May;41(5):253–61 (197 ref.) (Eng. Abstr.) **(Spa)**

ISOLATION & PURIFICATION

Purification and some properties of two proteases from Pseudomonas aeruginosa No. 700/75. Krzywańska-Pajdak E. **Acta Microbiol Pol** 1983;32(2):131–8

Low molecular weight penicillin-binding proteins of Caulobacter crescentus. Markiewicz Z, et al. **Acta Microbiol Pol** 1983;32(2):207–12

An evaluation of three rapid coagglutination tests: Sero-STAT, Accu-Staph, and Staphylosilde, for differentiating Staphylococcus aureus from other species of staphylococci. Woolfrey BF, et al. **Am J Clin Pathol** 1984 Mar;81(3):345–8

Isolation of specific peptides from Mycobacterium paratuberculosis protoplasm and their use in an enzyme-linked immunosorbent assay for the detection of paratuberculosis (Johne's disease) in cattle. Abbas B, et al. **Am J Vet Res** 1983 Dec;44(12):2229–36

Extraction of detergents from hydrophobic proteins with isopentanol: application to electrophoretic analysis of photosynthetic bacterial hydrophobic proteins. Salcedo JR, et al. **Anal Biochem** 1983 Jul 15;132(2):324–7

Purification of component A of the soluble methane monooxygenase of Methylococcus capsulatus (Bath) by high-pressure gel permeation chromatography. Woodland MP, et al. **Anal Biochem** 1984 Jun;139(2):459–62

The adhesins of Mycoplasma gallisepticum and M. pneumoniae. Kahane I, et al. **Ann Microbiol (Paris)** 1984 Jan-Feb;135A(1):25–32

Simple and rapid method for disruption of bacteria for protein studies. Bhaduri S, et al. **Appl Environ Microbiol** 1983 Oct; 46(4):941–3

HPLC purification of a biologically active membrane protein: the reaction center from photosynthetic bacteria. Berger G, et al. **Biochem Biophys Res Commun** 1984 May 31; 121(1):47–54

A cell division-active protein from E. coli. Caprioli A, et al. **Biochem Biophys Res Commun** 1984 Jan 30; 118(2):587–93

Structure of a bacterial photosynthetic membrane: integrity of reaction centers following proteolysis and detergent solubilization. Jacob JS, et al. **Biochem Biophys Res Commun** 1984 Apr 16;120(1):164–71

Comparative study of the DNA-binding HU-type proteins from slow growing and fast growing strains of Rhizobiaceae. Khanaka H, et al. **Biochem Biophys Res Commun** 1984 Jun 15;121(2):471–7

Spectral properties of three quaternary arrangements of Pseudomonas pilin. Watts TH, et al. **Biochemistry** 1983 Jul 19;22(15):3640–6

Histone-like protein in the Archaebacterium Sulfolobus acidocaldarius. Green GR, et al. **Biochim Biophys Acta** 1983 Nov 17;741(2):251–7

Identification and purification of a protein involved in the activation of nitrate reductase in the soluble fraction of a chlA mutant of Escherichia coli K12. Grillet L, et al. **Biochim Biophys Acta** 1983 Nov 28;749(1):115–24

Purification of proteins similar to HPr and enzyme I from the oral bacterium Streptococcus salivarius. Biochemical and immunochemical properties. Vadeboncoeur C, et al. **Can J Microbiol** 1983 Dec;29(12):1694–705

The primary structure of Escherichia coli glutaredoxin. Distant homology with thioredoxins in a superfamily of small proteins with a redox-active cystine disulfide/cysteine dithiol. Höög JO, et al. **Eur J Biochem** 1983 Oct 17;136(1):223–32

Purification and characterization of thioredoxin from the N2-fixing cyanobacterium Anabaena cylindrica. Ip SM, et al. **Eur J Biochem** 1984 Jun 15;141(3):497–504

Purification and characterization of two ribosomal proteins of Saccharomyces cerevisiae. Homologies with proteins from eukaryotic species and with bacterial protein EC L11. Juan-Vidales F, et al. **Eur J Biochem** 1983 Nov 2; 136(2):275–81

The complete amino acid sequences of ribosomal proteins L17, L27, and S9 from Bacillus stearothermophilus. Kimura M, et al. **Eur J Biochem** 1984 Mar 1;139(2):225–34

Localization of Lys-51 of L7/L12 on 50S ribosomes from Escherichia coli. Maassen JA, et al. **Eur J Biochem** 1984 Jan 2;138(1):131–4

The multifunctional polypeptide chain of rabbit mammary fatty acid synthase contains a domain homologous with the acyl carrier protein of Escherichia coli. McCarthy AD, et al. **Eur J Biochem** 1983 Nov 15;136(3):501–8

Proteins from the prokaryotic nucleoid. High-resolution 1H NMR spectroscopic study of Escherichia coli DNA-binding proteins NS1 and NS2. Paci M, et al. **Eur J Biochem** 1984 Jan 2;138(1):193–200

Identification of the altered ribosomal component responsible for resistance to micrococcin in mutants of Bacillus megaterium. Spedding G, et al. **Eur J Biochem** 1984 May 2;140(3):453–9

Isolation and complete amino-acid sequence of the small polypeptide from light-harvesting pigment-protein complex I (B870) of Rhodopseudomonas capsulata. Tadros MH, et al. **Eur J Biochem** 1984 Jan 2;138(1):209–12

Structure of the Mo-Fe protein component of Azotobacter vinelandii nitrogenase. Analytical ultracentrifugation and electron microscopy studies. Voordouw G, et al. **Eur J Biochem** 1983 Nov 2;136(2):397–401

Purification of the lactose:H+ carrier of Escherichia coli and characterization of galactoside binding and transport. Wright JK, et al. **Eur J Biochem** 1984 Feb 1;138(3):497–508

Domain structure of flagellin. Fedorov OV, et al. **FEBS Lett** 1984 Jun 4;171(1):145–8

Amino acid sequence of pilin from Bacteroides nodosus (strain 198), the causative organism of ovine footrot. McKern NM, et al. **FEBS Lett** 1983 Nov 28;164(1):149–53

Purification of restriction endonuclease XcyI from Xanthomonas cyanopsidis. Froman BE, et al. **Gene** 1984 Jun;28(3):331–5

N-terminal sequences of subunits L and M of the photosynthetic reaction centre from Rhodospirillum rubrum G-9+. Separation of the subunits by gel filtration on hydroxypropylated Sephadex G 100 in organic solvents. Theiler R, et al. **Hoppe Seylers Z Physiol Chem** 1983 Dec; 364(12):1765–76

Isolation and characterization of an outer membrane protein of Salmonella paratyphi B: a mitogen and polyclonal activator of human B lymphocytes. Sager S, et al. **Immunology** 1984 May;52(1):67–78

Isoenzymes of isocitrate dehydrogenase, malate dehydrogenase & succinic dehydrogenase of clinical isolates of Pseudomonas aeruginosa. Saoji AM, et al. **Indian J Med Res** 1983 Nov;78:616–23

Isolation of a major cell envelope protein from Fusobacterium nucleatum. DiRienzo JM, et al. **Infect Immun** 1984 May;44(2):386–93

Identification of an iron-regulated 37,000-dalton protein in the cell envelope of Neisseria gonorrhoeae. Mietzner TA, et al. **Infect Immun** 1984 Aug;45(2):410–6

Isolation and characterization of the outer membrane and lipopolysaccharide from Eikenella corrodens. Progulske A, et al. **Infect Immun** 1984 Jan;43(1):166–77

Identification and extraction of Pasteurella haemolytica membrane proteins. Squire PG, et al. **Infect Immun** 1984 Sep;45(3):667–73

Purification and characterization of uridylylated and unuridylylated forms of regulatory protein PII involved in the glutamine synthetase regulation in Escherichia coli. Rhee SG, et al. **Isozymes Curr Top Biol Med Res** 1983; 8:141–53

Isoelectric focusing of beta-lactamases on cellulose acetate membranes. Eley A, et al. **J Antimicrob Chemother** 1983 Aug;12(2):193–6

The origin and properties of beta-lactamase satellite bands seen in isoelectric focusing. Simpson IN, et al. **J Antimicrob Chemother** 1983 Aug;12(2):127–31

Purification and reconstitution in lipid bilayer membranes of an outer membrane, pore-forming protein of Aeromonas salmonicida. Darveau RP, et al. **J Bacteriol** 1983 Dec; 156(3):1006–11

Porin isolated from the cell envelope of Rhodopseudomonas capsulata. Flammaa.n HT, et al. **J Bacteriol** 1984 Jul; 159(1):410–2

Hook-associated proteins essential for flagellar filament formation in Salmonella typhimurium. Homma M, et al. **J Bacteriol** 1984 Jan;157(1):100–8

Purification and characterization of two kinds of porins from the Enterobacter cloacae outer membrane. Kaneko M, et al. **J Bacteriol** 1984 Jun;158(3):1179–81

Purification of a Mycoplasma pneumoniae adhesin by monoclonal antibody affinity chromatography. Leith DK, et al. **J Bacteriol** 1984 Feb;157(2):678–80

Identification of the phoM gene product and its regulation in Escherichia coli K-12. Ludtke D, et al. **J Bacteriol** 1984 Jul;159(1):19–25

Transformation in Bacillus subtilis: purification and partial characterization of a membrane-bound DNA-binding protein. Smith H, et al. **J Bacteriol** 1983 Oct;156(1):101–8

Escherichia coli outer membrane protein K is a porin. Sutcliffe J, et al. **J Bacteriol** 1983 Nov;156(2):867–72

Porin from Rhodopseudomonas sphaeroides. Weckesser J, et al. **J Bacteriol** 1984 Jul;159(1):199–205

Outer membrane protein K of Escherichia coli: purification and pore-forming properties in lipid bilayer membranes. Whitfield C, et al. **J Bacteriol** 1983 Nov;156(2):873–9

Partial characterization of peptidoglycan-associated proteins of Legionella pneumophila. Amano K, et al. **J Biochem (Tokyo)** 1983 Aug;94(2):601–6

Purification and properties of two binding proteins for branched-chain amino acids in Salmonella typhimurium. Ohnishi K, et al. **J Biochem (Tokyo)** 1983 Aug;94(2):433–41

The crystallization of outer membrane proteins from Escherichia coli. Studies on lamB and ompA gene products. Garavito RM, et al. **J Biol Chem** 1984 Apr 10; 259(7):4254–7

Purification and properties of the Escherichia coli dnaK replication protein. Zylicz M, et al. **J Biol Chem** 1984 Jul 25;259(14):8820–5

Reversed-phase high-performance liquid chromatography of Escherichia coli ribosomal proteins. Characteristics of the separation of a complex protein mixture. Kerlavage AR, et al. **J Chromatogr** 1983 Aug 26;266:225–37

High-performance liquid chromatography of staphylococcal enterotoxin B. Williams RR, et al. **J Chromatogr** 1983 Aug 26;266:179–86

Purification and partial characterization of the opacity-associated proteins of Neisseria gonorrhoeae. Blake MS, et al. **J Exp Med** 1984 Feb 1;159(2):452–62

Purification and some properties of streptococcal protein G, a novel IgG-binding reagent. Björck L, et al. **J Immunol** 1984 Aug;133(2):969–74

Analysis of cotranslational proteolytic processing of nascent chains using two-dimensional gel electrophoresis. Josefsson LG, et al. **Methods Enzymol** 1983;97:77–85

Purification of ornithine decarboxylase antizymes (Escherichia coli). Kyriakidis DA, et al. **Methods Enzymol** 1983;94:193–9

Proteins forming large channels from bacterial and mitochondrial outer membranes: porins and phage lambda receptor protein. Nikaido H. **Methods Enzymol** 1983; 97:85–100

Sporulation promoting factor in vegetative cells of Bacillus subtilis. Hachisuka Y, et al. **Microbiol Immunol** 1983; 27(12):1005–19

Isolation and partial properties of a porin-like protein from Vibrio parahaemolyticus cell envelope. Koga T, et al. **Microbiol Immunol** 1983;27(10):861–7

Partial purification and characterization of the cation-binding protein and megamodulin from E. coli. Kuo WN. **Microbios** 1983;37(149–150):189–96

Purification and properties of the inhibitory protein isolated from Lactobacillus acidophilus AC1. Mehta AM, et al. **Microbios** 1983;38(152):73–81

Purification of attachment moiety: a review. Kahane I. **Yale J Biol Med** 1983 Sep-Dec;56(5–6):665–9 (10 ref.)

Spiroplasma fibrils. Townsend R. **Yale J Biol Med** 1983 Sep-Dec;56(5–6):447–52 (20 ref.)

[Isolation and characterization of mycobacterial lipase inhibitor from culture filtrate of Mycobacterium tuberculosis H37Rv] Kiyotani K, et al. **Kekkaku** 1983 Nov; 58(11):571–8 (Eng. Abstr.) **(Jpn)**

[Determination of small amounts of botulinum toxin protein by an immunoenzyme method with chemiluminescence reaction] Brodzicki S. **Przegl Epidemiol** 1984;38(1):67–72 (Eng. Abstr.) **(Pol)**

METABOLISM

Activity of penicillin-acylase-producing bacteria against alpha-aminobenzylpenicillins. Baker WL. **Antonie Van Leeuwenhoek** 1983 Dec;49(6):551–8

Proteolytic systems in lactic acid bacteria. Law BA, et al. **Antonie Van Leeuwenhoek** 1983 Sep;49(3):225–45 (99 ref.)

Relaxation time, interthiol distance, and mechanism of action of ribosomal protein S1. Odom OW, et al. **Arch Biochem Biophys** 1984 Apr;230(1):178–93

Affinity engineering of maltoporin: variants with enhanced affinity for particular ligands. Clune A, et al. **Biochem Biophys Res Commun** 1984 May 31;121(1):34–40

NMR spectroscopic identification of a hexacyanochromate(III) binding site on Pseudomonas azurin. Cho KC, et al. **Biochemistry** 1984 Apr 10; 23(8):1858–62

Modification of the conductance, selectivity and concentration-dependent saturation of Pseudomonas aeruginosa protein P channels by chemical acetylation. Hancock RE, et al. **Biochim Biophys Acta** 1983 Oct 26; 735(1):137–44

Electron transfer in reaction centers of Rhodopseudomonas sphaeroides. I. Determination of the charge recombination pathway of D+QAQ(-)B and free energy and kinetic relations between Q(-)AQB and QAQ(-)B. Kleinfeld D, et al. **Biochim Biophys Acta** 1984 Jul 27;766(1):126–40

The effect of iron-hexacyanide binding on the determination of redox potentials of cytochromes and copper proteins. Pettigrew GW, et al. **Biochim Biophys Acta** 1983 Dec 30; 725(3):409–16

Kinetics of flash-induced electron transfer between bacterial reaction centres, mitochondrial ubiquinol:cytochrome c oxidoreductase and cytochrome c. Zhu QS, et al. **Biochim Biophys Acta** 1983 Oct 31;725(1):121–30

The accessibility of type I Cu(II) centers in laccase, azurin, and stellacyanin to exchangeable hydrogen and ambient water. Mims WB, et al. **Biophys J** 1984 Apr;45(4):755–66

Folding of protein fragments: conformational and biological studies on thioredoxin and its fragments. Reutimann H, et al. **Biopolymers** 1983 Jan;22(1):107–11

A study on the erythrocyte structures involved in the interaction with mannose-resistant E. coli adhesins. Chiarini F, et al. **Boll Ist Sieroter Milan** 1983 Nov 30; 62(5):420–5

Protein utilization in the young steer: digestion and nitrogen retention of 15N-labelled rumen bacterial protein. Salter DN, et al. **Br J Nutr** 1984 May;51(3):531–9

Properties of a catalase from a peroxide-resistant mutant of Proteus mirabilis. Jouve HM, et al. **Can J Biochem Cell Biol** 1983 Nov;61(11):1219–27

Protein and lipid methylation by methionine and S-adenosylmethionine in Myxococcus xanthus. Panasenko SM. **Can J Microbiol** 1983 Sep;29(9):1224–8

Subcellular compartments and protein topogenesis. Tashiro Y. **Cell Struct Funct** 1983 Jun;8(2):91–107 (57 ref.)

Outer-membrane protein PhoE from Escherichia coli forms anion-selective pores in lipid-bilayer membranes. Benz R, et al. **Eur J Biochem** 1984 Apr 16;140(2):319–24

Prolipoprotein modification and processing in Escherichia coli. A unique secondary structure in prolipoprotein signal sequence for the recognition by glyceryl transferase. Giam CZ, et al. **Eur J Biochem** 1984 Jun 1;141(2):331–7

On the intermolecular electron transfer between different redox states of flavodoxin from Megasphaera elsdenii. A 500-MHz 1H NMR study. Moonen CT, et al. **Eur J Biochem** 1984 Apr 16;140(2):303–9

Changes in membrane-associated proteins during sporulation in Bacillus subtilis. Rhaese HJ, et al. **Eur J Biochem** 1984 Mar 15;139(3):593–603

Interaction of the HB protein of Bacillus globigii with nucleic acids. Analysis of the binding to DNA and polynucleotides. Watanabe F, et al. **Eur J Biochem** 1984 Apr 2;140(1):215–9

Cooperative and salt-resistant binding of lexA protein to non-operator DNA. Schnarr M, et al. **FEBS Lett** 1984 Jun 11;171(2):207–10

In vivo degradation of gonococcal outer membrane proteins within human leukocyte phagolysosomes. Eaton LJ, et al. **Infect Immun** 1983 Dec;42(3):1034–40

Vibrio cholerae expresses iron-regulated outer membrane proteins in vivo. Sciortino CV, et al. **Infect Immun** 1983 Dec;42(3):990–6

Influence of adhesins on the interaction of Escherichia coli with human phagocytes. Svanborg Edén C, et al. **Infect Immun** 1984 Jun;44(3):672–80

Different mechanisms of resistance to latamoxef (moxalactam) in Serratia marcescens. Gutmann L, et al. **J Antimicrob Chemother** 1984 Jan;13(1):15–22

Mode of action of ceftazidime: affinity for the penicillin-binding proteins of Escherichia coli K12, Pseudomonas aeruginosa and Staphylococcus aureus. Hayes MV, et al. **J Antimicrob Chemother** 1983 Aug; 12(2):119–26

Methylation of ribosomal proteins in bacteria: evidence of conserved modification of the eubacterial 50S subunit. Amaro AM, et al. **J Bacteriol** 1984 Apr;158(1):84–93

DNA-stimulated ATPase activity on the lon (CapR) protein. Charette MF, et al. **J Bacteriol** 1984 Apr;158(1):195–201

Evidence that subcellular flagellin pools in Caulobacter crescentus are precursors in flagellum assembly. Huguenel ED, et al. **J Bacteriol** 1984 Mar;157(3):727–32

In vitro polymerization of flagellin excreted by a short-flagellum Salmonella typhimurium mutant. Ikeda T, et al. **J Bacteriol** 1984 Aug;159(2):787–9

Thioredoxin system of the photosynthetic anaerobe Chromatium vinosum. Johnson TC, et al. **J Bacteriol** 1984 Jun;158(3):1061–9

Effect of ammonia, darkness, and phenazine methosulfate on whole-cell nitrogenase activity and Fe protein modification in Rhodospirillum rubrum. Kanemoto RH, et al. **J Bacteriol** 1984 May;158(2):713–20

Chemoattractants elicit methylation of specific polypeptides in Spirochaeta aurantia. Kathariou S, et al. **J Bacteriol** 1983 Oct;156(1):95–100

Transverse topography of the photochemical reaction center polypeptides in the Rhodopseudomonas capsulata membrane. Peters J, et al. **J Bacteriol** 1984 Jun;158(3):983–9

Role of protein degradation in the survival of carbon-starved Escherichia coli and Salmonella typhimurium. Reeve CA, et al. **J Bacteriol** 1984 Mar;157(3):758–63

Protein turnover in Azotobacter vinelandii during encystment and germination. Ruppen ME, et al. **J Bacteriol** 1983 Dec;156(3):1243–8

Transformation in Bacillus subtilis: a 75,000-dalton protein complex is involved in binding and entry of donor DNA. Smith H, et al. **J Bacteriol** 1984 Mar;157(3):733–8

Thioredoxins and the redox modulation of glucose-6-phosphate dehydrogenase in Anabaena sp. strain PCC 7120 vegetative cells and heterocysts. Udvardy J, et al. **J Bacteriol** 1984 Feb;157(2):681–3

In vivo and in vitro acylation of polypeptides in Vibrio harveyi: identification of proteins involved in aldehyde production for bioluminescence. Wall LA, et al. **J Bacteriol** 1984 Aug;159(2):720–4

A circular dichroism study on thermal denaturation of a dimeric globular protein, Streptomyces subtilisin inhibitor. Komiyama T, et al. **J Biochem (Tokyo)** 1984 Jun; 95(6):1569–75

Alteration in penicillin-binding patterns during cell cycle of Caulobacter crescentus. Koyasu S, et al. **J Biochem (Tokyo)** 1984 Feb;95(2):593–5

Reconstruction of photosynthetic, cyclic electron transport system from photoreaction unit, ubiquinone-10 protein,

cytochrome c2 and polar lipids purified from Rhodospirillum rubrum. Matsuda H, et al. **J Biochem (Tokyo)** 1984 Feb;95(2):431–42

Chemical nature of protein complex of photoreaction unit including reaction center in chromatophores of photosynthetic bacterium, Rhodospirillum rubrum, as detected by successive dissociation method. Tanaka K, et al. **J Biochem (Tokyo)** 1983 Dec;94(6):1815–26

Kinetic studies on acid denaturation and renaturation of a protein proteinase inhibitor, Streptomyces subtilisin inhibitor. Uehara Y, et al. **J Biochem (Tokyo)** 1983 Sep; 94(3):903–15

Phospholipid–enriched bacterial chromatophores. A system suited to investigate the ubiquinone–mediated interactions of protein complexes in photosynthetic oxidoreduction processes. Casadio R, et al. **J Biol Chem** 1984 Jul 25; 259(14):9149–57

Protein phosphorylation in Escherichia coli and purification of a protein kinase. Enami M, et al. **J Biol Chem** 1984 Jan 10;259(1):526–33

Evidence that the endogenous heat–stable glucocorticoid receptor–activating factor is thioredoxin. Grippo JF, et al. **J Biol Chem** 1983 Nov 25;258(22):13658–64

Properties of a thioredoxin purified from rabbit bone marrow which fails to serve as a hydrogen donor for the homologous ribonucleotide reductase. Hopper S, et al. **J Biol Chem** 1983 Nov 25;258(22):13453–7

Activation by thiol of the latent NAD glycohydrolase and ADP–ribosyltransferase activities of Bordetella pertussis toxin (islet–activating protein). Moss J, et al. **J Biol Chem** 1983 Oct 10;258(19):11879–82

Ribosomal protein L7/L12 cross–links to proteins in separate regions of the 50 S ribosomal subunit of Escherichia coli. Traut RR, et al. **J Biol Chem** 1983 Dec 10;258(23):14592–8

Differential protein insertion into developing photosynthetic membrane regions of Rhodopseudomonas sphaeroides. Inamine GS, et al. **J Cell Biochem** 1984;24(1):69–77

Pigment–protein complexes of purple photosynthetic bacteria: an overview. Thornber JP, et al. **J Cell Biochem** 1983;23(1–4):159–69

The separation of proteins based on their age, for the study of protein degradation in Escherichia coli. Cocucci M, et al. **J Gen Microbiol** 1983 Aug;129 (Pt 8):2509–19

A comparison of the reactions of cytochrome c oxidase, cytochrome c and azurin with Cr2+ ions. Jones GD, et al. **J Inorg Biochem** 1984 Jun;21(2):147–58

Transport by reconstituted lactose carrier from parental and mutant strains of Escherichia coli. Seto–Young D, et al. **J Membr Biol** 1984;79(2):185–93

Kinetics and mechanism in the reaction of gene regulatory proteins with DNA. Fried MG, et al. **J Mol Biol** 1984 Jan 25;172(3):263–82

Fibronectin and toxic shock syndrome [letter] Wadström T, et al. **JAMA** 1984 Jul 20;252(3):343

Biomembranes. Part K: Membrane biogenesis: assembly and targeting (prokaryotes, mitochondria, and chloroplasts). **Methods Enzymol** 1983;97:1–681

Influence of membrane potential on the insertion and transport of proteins in bacterial membranes. Landick RC, et al. **Methods Enzymol** 1983;97:146–53

Identification of the dye gene product, mutational loss of which alters envelope protein composition and also affects sex factor F expression in Escherichia coli K–12. Buxton RS, et al. **MGG** 1984;194(1–2):241–7

P. mirabilis RecA protein catalyses cleavage of E. coli LexA protein and the lambda repressor in vitro. West SC, et al. **MGG** 1984;194(1–2):111–3

Latterday lessons of lambda and lac [news] North G. **Nature** 1984 Apr 19–25;308(5961):687–8

The locus of sequence–directed and protein–induced DNA bending. Wu HM, et al. **Nature** 1984 Apr 5–11; 308(5959):509–13

Isolation of flagellated membrane vesicles from Caulobacter crescentus cells: evidence for functional differentiation of polar membrane domains. Huguenel E, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(11):3409–13

Correlation between rate constant for reduction and redox potential as a basis for systematic investigation of reaction mechanisms of electron transfer proteins. Meyer TE, et al. **Proc Natl Acad Sci USA** 1983 Nov;80(22):6740–4

cis–acting mutations that affect rop protein control of plasmid copy number. Moser DR, et al. **Proc Natl Acad Sci USA** 1984 Jul;81(14):4465–9

Model of specific complex between catabolite gene activator protein and B–DNA suggested by electrostatic complementarity. Weber IT, et al. **Proc Natl Acad Sci USA** 1984 Jul;81(13):3973–7

Temperature dependence of the resonance Raman spectra of plastocyanin and azurin between cryogenic and ambient conditions. Woodruff WH, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(4):1263–7

Enzymatic properties of purified Escherichia coli uvrABC proteins. Yeung AT, et al. **Proc Natl Acad Sci USA** 1983 Oct;80(20):6157–61

The dnaK protein of Escherichia coli possesses an ATPase and autophosphorylating activity and is essential in an in vitro DNA replication system. Zylicz M, et al. **Proc Natl Acad Sci USA** 1983 Nov;80(21):6431–5

On the interaction between beta 2–microglobulin and group A streptococci. Björck L, et al. **Scand J Immunol** 1984 Jul;20(1):69–79

[Single–cell bacterial protein in the mixed feeds for early weaned piglets] Bokhorov O, et al. **Vet Med Nauki** 1983; 20(5–6):34–40 (Eng. Abstr.) **(Bul)**

[Specific association of the CRP–cyclic AMP complex with the control region of the lactose operon of Escherichia coli K 12: a direct fluorimetric study using DNA fragments of different lengths] Baudras A, et al. **Biochimie** 1983 Jul; 65(7):437–40 (Eng. Abstr.) **(Fre)**

[Biosynthesis and transport of envelope proteins of Escherichia coli] Pages JM. **Biochimie** 1983 Oct; 65(10):531–41 (105 ref.) (Eng. Abstr.) **(Fre)**

[Nitrogen metabolism in growing swine receiving a bacterial protein supplement (Alcaligenes eutrophus) instead of soybean meal] Greife HA, et al. **Arch Tierernahr** 1984 Mar; 34(3):179–90 (Eng. Abstr.) **(Ger)**

[Mechanism of flagellin polymerization in Bacillus brevis] Novikov VV, et al. **Biol Nauki** 1983;(9):21–6 (Eng. Abstr.) **(Rus)**

[Intramolecular dynamics and electron transfer in photosynthetic reaction centers. A study using luminescence] Kotel'nikov AI, et al. **Mol Biol (Mosk)** 1983 Jul–Aug;17(4):846–54 (Eng. Abstr.) **(Rus)**

[Protein fluorescence of photosynthetic reaction centers from Rhodopseudomonas sphaeroides] Zakharova NI, et al. **Mol Biol (Mosk)** 1984 May–Jun;18(3):719–24 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Larvicidal activity of Bacillus thuringiensis subsp. israelensis in the dipteran Haematobia irritans. Temeyer KB. **Appl Environ Microbiol** 1984 May;47(5):952–5

Enzyme regulation in C4 photosynthesis: mechanism of activation of NADP–malate dehydrogenase by reduced thioredoxin. Jacquot JP, et al. **Arch Biochem Biophys** 1984 Jan;228(1):170–8

Islet–activating protein blocks glucagon desensitization in intact hepatocytes. Heyworth CM, et al. **Biochem J** 1984 Aug 15;222(1):189–94

Suppression of passive cutaneous anaphylaxis by pertussis toxin, an islet–activating protein, as a result of inhibition of histamine release from mast cells. Nakamura T, et al. **Biochem Pharmacol** 1983 Nov 15;32(22):3435–41

The dnaK protein modulates the heat–shock response of Escherichia coli. Tilly K, et al. **Cell** 1983 Sep;34(2):641–6

Mitogenic effects of glycolipoprotein extract from Pseudomonas aeruginosa. Varey AM, et al. **Clin Exp Immunol** 1984 May;56(2):431–7

Effect of islet activating protein on glucose tolerance, insulin secretion and insulin responsiveness in the NZO mouse. Re CA, et al. **Diabetologia** 1984 Apr;26(4):304–9

Mechanism of pertussis toxin action on the adenylate cyclase system. Inhibition of the turn–on reaction of the inhibitory regulatory site. Jakobs KH, et al. **Eur J Biochem** 1984 Apr 2;140(1):177–81

Effects of islet–activating protein on insulin– and isoprenaline–stimulated glucose transport in isolated rat adipocytes. Joost HG, et al. **FEBS Lett** 1984 Feb 13; 167(1):5–9

Islet–activating protein, pertussis toxin, inhibits Ca2+–induced and guanine nucleotide–dependent releases of histamine and arachidonic acid from rat mast cells. Nakamura T, et al. **FEBS Lett** 1984 Aug 6;173(2):414–8

Effect of M protein of Streptococcus pyogenes on macrophage functions. Saito H, et al. **Hiroshima J Med Sci** 1983 Jun;32(2):227–30

Islet–activating protein (IAP)–induced adrenergic modulation of pancreatic A and B cell in dogs. Nakamura N, et al. **Horm Metab Res** 1984 Mar;16(3):128–31

Islets–activating protein from Bordetella pertussis: enhancement of pancreatic somatostatin release. Seino Y, et al. **Horm Metab Res** 1983 Nov;15(11):563–4

Biological activities of Eikenella corrodens outer membrane and lipopolysaccharide. Progulske A, et al. **Infect Immun** 1984 Jan;43(1):178–82

Induction of human gamma interferon by structurally defined polypeptide fragments of group A streptococcal M protein. Weigent DA, et al. **Infect Immun** 1984 Jan;43(1):122–6

Enhancement of macrophage–mediated tumor cell killing by bacterial outer membrane proteins (porins). Weinberg JB, et al. **Infect Immun** 1983 Oct;42(1):219–23

Inhibition of lymphocyte transformation by a factor from Pseudomonas aeruginosa. Patt LM, et al. **Int J Tissue React** 1983;5(2):135–40

Action of CAP on the malT promoter in vitro. Chapon C, et al. **J Bacteriol** 1983 Dec;156(3):1135–43

ADP–ribosylation of adenylate cyclase by pertussis toxin. Effects on inhibitory agonist binding. Hsia JA, et al. **J Biol Chem** 1984 Jan 25;259(2):1086–90

ADP–ribosylation of transducin by islet–activation protein. Identification of asparagine as the site of ADP–ribosylation. Manning DR, et al. **J Biol Chem** 1984 Jan 25;259(2):749–56

[3H]GDP release from rat and hamster adipocyte membranes independently linked to receptors involved in activation or inhibition of adenylate cyclase. Differential susceptibility to two bacterial toxins. Murayama T, et al. **J Biol Chem** 1984 Jan 25;259(2):761–9

Streptococcus pyogenes streptolysin O as a cause of false–positive CAMP reactions. Tapsall JW, et al. **J Clin Microbiol** 1984 Apr;19(4):534–7

Functional uncoupling of muscarinic receptors from adenylate cyclase in rat cardiac membranes by the active component of islet–activating protein, pertussis toxin. Kurose H, et al. **J Cyclic Nucleotide Protein Phosphor Res** 1983; 9(4–5):305–18

Toxicity of cyclic peptide antibiotics to larvae of Aedes aegypti. Nickerson KW, et al. **J Invertebr Pathol** 1983 Nov; 42(3):407–9

Species differences in actions of islet–activating protein, pertussis toxin. Yajima M, et al. **Jpn J Pharmacol** 1983 Jun; 33(3):583–91

Islet–activating protein impairs alpha 2–adrenoceptor–mediated inhibitory regulation of human platelet adenylate cyclase. Aktories K, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1983 Nov; 324(3):196–200

[Bacterial activator of calmodulin–dependent enzymes] Dudkin SM, et al. **Dokl Akad Nauk SSSR** 1984; 276(6):1510–3 **(Rus)**

PHYSIOLOGY

Non–toxin virulence factors of bacterial enteric pathogens (a review). Kétyi I. **Acta Microbiol Hung** 1984;31(1):1–25 (225 ref.)

The possible role of porins in bacterial antibiotic resistance. Gutmann L, et al. **Ann Intern Med** 1984 Oct;101(4):554–7

The mitogenic principle of Escherichia coli lipoprotein: B–lymphocyte mitogenicity of the synthetic analogue palmitoyl–tetrapeptide (Pam–Ser–Ser–Asn–Ala). Bessler WG, et al. **Biochem Biophys Res Commun** 1984 May 31; 121(1):55–61

Increased efficiency of the outer membrane PhoE protein pore in Escherichia coli K–12 mutants with heptose–deficient lipopolysaccharide. Korteland J, et al. **Biochim Biophys Acta** 1984 Jul 11;774(1):119–26

The product of gene secC is involved in the synthesis of exported proteins in E. coli. Ferro–Novick S, et al. **Cell** 1984 Aug;38(1):211–7

Proteinaceous bacterial adhesins and their receptors. Jones GW, et al. **CRC Crit Rev Microbiol** 1983;10(3):229–60 (200 ref.)

Molecular parasitism in the Escherichia coli–Bdellovibrio bacteriovorus system: translocation of the matrix protein from the host to the parasite outer membrane. Guerrini F, et al. **EMBO J** 1982;1(11):1439–44

The periplasmic maltose–binding protein modifies the channel–forming characteristics of maltoporin. Neuhaus JM, et al. **EMBO J** 1983;2(11):1987–91

Streptomyces lividans RNA polymerase recognizes and uses Escherichia coli transcriptional signals. Jaurin B, et al. **Gene** 1984 Apr;28(1):83–91

Role of disulfide bonding in outer membrane structure and permeability in Chlamydia trachomatis. Bavoil P, et al. **Infect Immun** 1984 May;44(2):479–85

Interbacterial adherence between Actinomyces viscosus and strains of Streptococcus pyogenes, Streptococcus agalactiae, and Pseudomonas aeruginosa. Komiyama K, et al. **Infect Immun** 1984 Apr;44(1):86–90

Reconstitution of maltose chemotaxis in Escherichia coli by addition of maltose–binding protein to calcium–treated cells of maltose regulon mutants. Brass JM, et al. **J Bacteriol** 1984 Mar;157(3):881–90

Outer membrane porins are important in maintenance of the surface structure of Escherichia coli cells. Nogami T, et al. **J Bacteriol** 1983 Oct;156(1):402–8

The ftsA gene product participates in formation of the Escherichia coli septum structure. Tormo A, et al. **J Bacteriol** 1984 Mar;157(3):779–84

A lacZ–ftsZ gene fusion is an analog of the cell division inhibitor sulA. Ward JE Jr, et al. **J Bacteriol** 1984 Mar; 157(3):815–20

Glycoconjugate receptors involved in the adhesion of Escherichia coli and Streptococcus pneumoniae to epithelial cells. Svanborg Edén C, et al. **J Dent Res** 1984 Mar;63(3):386–8

Colonisation of the upper respiratory tract of mice with group B streptococci type III with reference to the R–protein. Kurl DN, et al. **J Med Microbiol** 1984 Jun; 17(3):347–51

Coevolution of directly contacting proteins in phage–bacterium ecosystem: possibility or fiction? Ratner VA, et al. **J Theor Biol** 1984 Jun 7;108(3):405–11

Involvement of the bacterial groM gene product in bacteriophage T7 reproduction. II. A reduced level of ion concentrations causes the blockage of T7 maturation in K–12–M cells. Kuhn AH, et al. **J Virol** 1983 Sep; 47(3):540–52

RNA polymerase interaction with dnaB protein and lambda P protein during lambda replication. McKinney MD, et al. **J Virol** 1983 Nov;48(2):551–4

Effect of altered efficiency of the RNA I and RNA II promoters on in vivo replication of ColE1–like plasmids in Escherichia coli. Polaczek P, et al. **MGG** 1984; 194(1–2):227–31

Megamodulin, a cation binding protein from Escherichia coli and its effect on bacterial RNA polymerase. Sen S, et al. **Microbios** 1983;38(152):83–9

Two mini–F–encoded proteins are essential for equipartition. Austin S, et al. **Plasmid** 1983 Jul;10(1):73–81

Protein HU in the enzymatic replication of the chromosomal origin of Escherichia coli. Dixon NE, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(2):424–8

Determinants of the biologic activity of surface slime in experimental Pseudomonas aeruginosa infections. Bartell PF. **Rev Infect Dis** 1983 Nov–Dec;5 Suppl 5:S971–8 (22

ref.)
Construction and operation of bacterial flagella. Calladine CR. **Sci Prog** 1983 Autumn;68(271):365–85 (30 ref.)
[Cobalamin–protein compounds of bacterial origin (a review)] Eliseev SA, et al. **Prikl Biokhim Mikrobiol** 1984 May–Jun;20(3):307–17 (65 ref.) (Eng. Abstr.) **(Rus)**
[Bacterial autolysins] López R, et al. **Microbiol Esp** 1983 Jan–Jun;36(1–2):45–57 (65 ref.) **(Spa)**

SECRETION

Translocation of domains of nascent periplasmic proteins across the cytoplasmic membrane is independent of elongation. Randall LL. **Cell** 1983 May;33(1):231–40
A defined mutation in the protein export gene within the spc ribosomal protein operon of Escherichia coli: isolation and characterization of a new temperature-sensitive secY mutant. Shiba K, et al. **EMBO J** 1984 Mar;3(3):631–5
Major proteins released by a protein-producing bacterium, Bacillus brevis 47, are derived from cell wall protein. Ohmizu H, et al. **J Biochem (Tokyo)** 1983 Oct;94(4):1077–84
Role of membrane potential in protein folding and domain formation during secretion in Escherichia coli. Copeland BR, et al. **J Cell Biochem** 1984;24(4):345–56 (38 ref.)

TOXICITY

Toxic properties of the Mycoplasma arthritidis ISR–1 membrane. Krüger M, et al. **Ann Microbiol (Paris)** 1984 Jan–Feb;135A(1):103–9
The hemolytic effect of Salmonella typhi Ty 2 porins. Calderon I, et al. **Eur J Biochem** 1984 Jun 15;141(3):579–83
Evaluation of the human immune response to outer membrane proteins of Vibrio cholerae. Sears SD, et al. **Infect Immun** 1984 May;44(2):439–44
Bioassay of solubilized Bacillus thuringiensis var. israelensis crystals by attachment to latex beads. Schnell DJ, et al. **Science** 1984 Mar 16;223(4641):1191–3

URINE

Quantitation of a leukocyte protein (L1) in urine. Holt J, et al. **Acta Paediatr Scand** 1983 Jul;72(4):615–6

BACTERIAL SENSITIVITY TESTS see **MICROBIAL SENSITIVITY TESTS**

BACTERIAL TOXINS

Morphology of cells and hemagglutinogens of Bordetella species: resolution of substructural units in fimbriae of Bordetella pertussis. Blom J, et al. **Infect Immun** 1983 Oct; 42(1):308–17
Preparation of procoligenoids from Escherichia coli heat–labile enterotoxins. Finkelstein RA, et al. **Infect Immun** 1984 Aug;45(2):518–21
Clostridium difficile and its toxins [letter] Fumarola D, et al. **Infection** 1984 Jan–Feb;12(1):51
Pertussis toxin and extracytoplasmic adenylate cyclase as virulence factors of Bordetella pertussis. Weiss AA, et al. **J Infect Dis** 1984 Aug;150(2):219–22
Preliminary crystallographic data for exfoliative toxin B from Staphylococcus aureus. Moras D, et al. **J Mol Biol** 1984 May 5;175(1):89–91
Electron microscopic studies of endotoxins treated with alkaline and acid reagents. Amano K, et al. **Microbiol Immunol** 1984;28(2):161–8
Classics in infectious diseases. Toxic products of Bacterium enteritidis and of related micro-organisms. By Sara Elizabeth Branham. Journal of Infectious Diseases 1925. **Rev Infect Dis** 1984 Jul–Aug;6(4):579–86
[Micromethod for determining the titer of staphylococcal antitoxin in the blood serum of children] Ebert LIa, et al. **Lab Delo** 1984;(6):370–1 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Protective effect of active immunization with Escherichia coli heat labile enterotoxin & cholera enterotoxin. Panhotra BR. **Indian J Med Res** 1983 Dec;78:769–75
Differences in cross-protection in rats immunized with the B subunits of cholera toxin and Escherichia coli heat–labile toxin. Klipstein FA, et al. **Infect Immun** 1984 Mar; 43(3):811–6

ANALYSIS

Clostridial toxins in neonatal necrotising enterocolitis. Thomas DF, et al. **Arch Dis Child** 1984 Mar;59(3):270–2
Clostridium difficile. Colonization and toxin production in a cohort of patients with malignant hematologic disorders. Morris JG Jr, et al. **Arch Intern Med** 1984 May;144(5):967–9
Clostridium difficile and its cytotoxin in infants admitted to hospital with infectious gastroenteritis. Ellis ME, et al. **Br Med J [Clin Res]** 1984 Feb 18;288(6416):524–6
Immunological differences among the cholera/coli family of enterotoxins. Marchlewicz BA, et al. **Diagn Microbiol Infect Dis** 1983 Jun;1(2):129–38
Adsorption of Clostridium difficile antiserum for rapid detection of toxin [letter] Morse PL, et al. **Diagn Microbiol Infect Dis** 1984 Apr;2(2):169
Detection of Clostridium difficile cytotoxin in HEp–2 and CHO cell lines. Murray PR, et al. **Diagn Microbiol Infect Dis** 1983 Dec;1(4):331–3
Rapid visual detection of Escherichia coli and Vibrio cholerae Heat–labile enterotoxins by nitrocellulose enzyme–linked immunosorbent assay. Beutin L, et al. **J Clin Microbiol** 1984 Mar;19(3):371–5
Selective enrichment broth culture for detection of Clostridium difficile and associated cytotoxin. Buchanan AG. **J Clin Microbiol** 1984 Jul;20(1):74–6
Rapid latex particle agglutination test for Escherichia coli strains of porcine origin producing heat–labile enterotoxin. Finkelstein RA, et al. **J Clin Microbiol** 1983 Dec; 18(6):1417–8
Detection of Clostridium difficile toxin with McCoy cell monolayers and cell suspensions and comparison with HeLa cell assay. Maniar AC, et al. **J Clin Microbiol** 1984 Feb;19(2):294–5
Evaluation of three simple and rapid immunological tests for detection of heat–labile enterotoxin of enterotoxigenic Escherichia coli. Sen D, et al. **J Clin Microbiol** 1984 Feb; 19(2):194–6
Enzyme–linked immunosorbent assay for detection of Staphylococcus aureus alpha–toxin. Surujballi OP, et al. **J Clin Microbiol** 1984 Mar;19(3):394–8
Use of gas–liquid chromatography as a screening test for toxigenic Clostridium difficile in diarrhoeal stools. Pepersack F, et al. **J Clin Pathol** 1983 Nov;36(11):1233–6
Demonstration of a cytotoxin from Campylobacter jejuni. Yeen WP, et al. **J Clin Pathol** 1983 Nov;36(11):1237–40
Enzyme immunoassays for detection of Clostridium difficile toxins A and B in fecal specimens. Laughon BE, et al. **J Infect Dis** 1984 May;149(5):781–8
Clostridium difficile toxin A in infants. Libby JM, et al. **J Infect Dis** 1983 Sep;148(3):606
Detection of heat–stable enterotoxin from Escherichia coli by ELISA based on monoclonal antibody [letter] De Mol P, et al. **Lancet** 1984 Aug 4;2(8397):285
Detection of heat–labile enterotoxins of Escherichia coli using the Biken test. Wigmore JA. **Med Lab Sci** 1984 Apr; 41(2):146–9
Storage of Escherichia coli thermolabile enterotoxin on filter papers for assay by immune haemolysis reactions. Ricci LC, et al. **Med Microbiol Immunol (Berl)** 1984;172(4):243–8
Chemical and ultrastructural comparison of endotoxins extracted from Salmonella minnesota wild type and R mutants. Amano K, et al. **Microbiol Immunol** 1984; 28(2):149–59
Chemical and ultrastructural differences in endotoxic glycolipids from Salmonella minnesota Re mutant extracted with various solvent systems. Amano K, et al. **Microbiol Immunol** 1984;28(2):135–48
Cell culture assay for toxigenic Pasteurella multocida from atrophic rhinitis of pigs. Rutter JM, et al. **Vet Rec** 1984 Apr 21;114(16):393–6
Isolation and characterization of erythrogenic toxins. V. Communication: identity of erythrogenic toxin type B and streptococcal proteinase precursor. Gerlach D, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Sep; 255(2–3):221–33
[Comparative characteristics of Escherichia coli toxins] Smirnova LA. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Jan;(1):56–60 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Primary amines and chloroquine inhibit cytotoxic responses to Shigella toxin and permit late antibody rescue of toxin treated cells. Keusch GT, et al. **Biochem Biophys Res Commun** 1984 May 31;121(1):69–76
Evaluation of low–dose pharmacological combinations for inhibition of the effects of Escherichia coli heat–stable enterotoxin in suckling mice. Greenberg RN, et al. **J Infect Dis** 1984 Feb;149(2):280
The influence of drugs on the response of a cell culture preparation to bacterial toxins. Giugliano LG, et al. **J Med Microbiol** 1984 Apr;17(2):151–8

BIOSYNTHESIS

Regulation of protoxin synthesis in Bacillus thuringiensis. Minnich SA, et al. **J Bacteriol** 1984 May;158(2):447–54
Non–gastrointestinal Bacillus cereus infections: an analysis of exotoxin production by strains isolated over a two–year period. Turnbull PC, et al. **J Clin Pathol** 1983 Oct; 36(10):1091–6
Vaginal colonization with Staphylococcus aureus, positive for toxic–shock marker protein, and Escherichia coli in healthy women. Chow AW, et al. **J Infect Dis** 1984 Jul; 150(1):80–4
Clindamycin–induced suppression of toxic–shock syndrome–associated exotoxin production. Schlievert PM, et al. **J Infect Dis** 1984 Mar;149(3):471
Production and properties of Bordetella pertussis heat–labile toxin. Livey I, et al. **J Med Microbiol** 1984 Feb; 17(1):91–103
Environmental and human isolates of Vibrio cholerae and Vibrio parahaemolyticus produce a Shigella dysenteriae 1 (Shiga)–like cytotoxin. O'Brien AD, et al. **Lancet** 1984 Jan 14;1(8368):77–8
Phage–determined production of vero cytotoxin in strains of Escherichia coli serogroup 0157 [letter] Smith HR, et al. **Lancet** 1984 Jun 2;1(8388):1242–3
Post–partum haemolytic–uremic syndrome and verotoxin–producing Escherichia coli [letter] Steele BT, et al. **Lancet** 1984 Mar 3;1(8375):511
Dermonecrotic activity of Pasteurella multocida strains isolated from pigs in Japanese field. Sawata A, et al. **Nippon Juigaku Zasshi** 1984 Apr;46(2):141–8
Mechanism of the adjuvant effect of hemoglobin in experimental peritonitis: VIII. A leukotoxin is produced by Escherichia coli metabolism in hemoglobin. Pruett TL, et al. **Surgery** 1984 Aug;96(2):375–83
Hemagglutinating and hydrophobic surface properties of salmonellae producing enterotoxin neutralized by cholera anti–tox n. Jiwa SF, et al. **Vet Microbiol** 1983 Oct; 8(5):443–58
[Production, purification and characterization of some Clostridium perfringens toxins] Capunzo M, et al. **G Batteriol Virol Immunol** 1982 Jan–Jun;75(1–6):48–61 (Eng. Abstr.) **(Ita)**
[The pathogenicity of Ubol type El Tor vibrio] Shigeno H, et al. **Kansenshogaku Zasshi** 1983 Mar;57(3):240–51 (Eng. Abstr.) **(Jpn)**
[Template device for determining the toxigenicity of Corynebacterium diphtheriae in experiments in vitro] Konstantinova LF. **Lab Delo** 1984;(6):381–2 **(Rus)**

CHEMICAL SYNTHESIS

Properties of cross–linked toxoid vaccines made with hyperantigenic forms of synthetic Escherichia coli heat–stable toxin. Klipstein FA, et al. **Infect Immun** 1984 May;44(2):268–73

CLASSIFICATION

Toxins classified under Appendix F of the Guidelines. **Recomb DNA Tech Bull** 1983 Dec;6(4):160–2

GENETICS

Evolution and structure of two ADP–ribosylation enterotoxins, Escherichia coli heat–labile toxin and cholera toxin. Yamamoto T, et al. **FEBS Lett** 1984 Apr 24; 169(2):241–6
Mutagenesis of extrachromosomal genetic determinants for exfoliative toxin B and bacteriocin R1 synthesis in Staphylococcus aureus after plasmid transfer by protoplast fusion. Masterson R, et al. **Infect Immun** 1983 Dec; 42(3):973–9
Transport and processing of staphylococcal alpha–toxin. Tweten RK, et al. **J Bacteriol** 1983 Nov;156(2):524–8
Primary structure of heat–labile enterotoxin produced by Escherichia coli pathogenic for humans. Yamamoto T, et al. **J Biol Chem** 1984 Apr 25;259(8):5037–44
Identification of enterotoxigenic Escherichia coli isolated from swine with diarrhea in Thailand by colony hybridization, using three enterotoxin gene probes. Patamaroj U, et al. **J Clin Microbiol** 1983 Dec; 18(6):1429–31
Acquisition and maintenance of enterotoxin plasmids in wild–type strains of Escherichia coli. Scotland SM, et al. **J Gen Microbiol** 1983 Oct;129 (Pt 10):3111–20
Characterization of the new insertion sequence IS91 from an alpha–hemolysin plasmid of Escherichia coli. Diaz–Aroca E, et al. **MGG** 1984;193(3):493–9
Group A streptococcal phage T12 carries the structural gene for pyrogenic exotoxin type A. Johnson LP, et al. **MGG** 1984;194(1–2):52–6
A large transmissible plasmid is required for crystal toxin production in Bacillus thuringiensis variety israelensis. González JM Jr, et al. **Plasmid** 1984 Jan;11(1):28–38
Proposal to clone Shiga–like toxin gene from E. coli. **Recomb DNA Tech Bull** 1984 Jun;7(2):76
Toxins classified under Appendix F of the guidelines. **Recomb DNA Tech Bull** 1984 Jun;7(2):90–2
Request for permission to lower containment conditions for the cloning of the gene for Shiga–like toxin from E. coli. **Recomb DNA Tech Bull** 1984 Jun;7(2):80–3
Toxins classified under Appendix F of the guidelines. **Recomb DNA Tech Bull** 1982 Jun;5(2):113–4
Toxins classified under Appendix F of the guidelines. **Recomb DNA Tech Bull** 1983 Jun;6(2):75–7
Toxins classified under Appendix F of the guidelines. **Recomb DNA Tech Bull** 1982 Sep;5(3):166–7
Toxins classified under Appendix F of the guidelines. **Recomb DNA Tech Bull** 1983 Mar;6(1):31–3
Toxins classified under appendix F of the guidelines. **Recomb DNA Tech Bull** 1983 Sep;6(3):118–20
Toxins classified under Appendix F of the guidelines. **Recomb DNA Tech Bull** 1984 Mar;7(1):41–3
Request for permission to lower containment conditions for the cloning of the gene for Shiga–like toxin from E. coli. **Recomb DNA Tech Bull** 1984 Mar;7(1):34
NIH rejects modified plan to clone shiga toxin [news] Fox JL. **Science** 1984 May 11;224(4649):582
Shiga toxin: no smoking gun [news] Fox JL. **Science** 1984 Feb 24;223(4638):799
[Advances in molecular genetics of pathogenic factors of toxigenic E. coli] Zhang LY. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1984 Apr; 5(2):117–20 **(Chi)**

IMMUNOLOGY

Immunomodulation of primary antitoxic–type immunity with inactivated Brucella suspensions. Réthy L, et al. **Acta Vet Hung** 1983;31(1–3):43–9
Vaccination of genetically susceptible mice against chronic infection with Nematospiroides dubius using pertussigen

as adjuvant. Mitchell GF, et al. **Aust J Exp Biol Med Sci** 1983 Aug;61 (Pt 4):425–34

Adoptive transfer of experimental allergic encephalomyelitis in mice with the aid of pertussigen from Bordetella pertussis. Munoz JJ, et al. **Cell Immunol** 1984 Jul; 86(2):541–5

Elicitation of experimental allergic encephalomyelitis (EAE) in mice with the aid of pertussigen. Munoz JJ, et al. **Cell Immunol** 1984 Jan;83(1):92–100

Effects of pertussis toxin on delayed-type hypersensitivity responses and on the activity of suppressor T cells on the responses. Tamura S, et al. **Cell Immunol** 1983 Oct 15; 81(2):219–28

Characterization of monoclonal antibodies to heat-labile enterotoxin encoded by a plasmid from a clinical isolate of Escherichia coli. Belisle BW, et al. **Infect Immun** 1984 Mar;43(3):1027–32

Immunoelectrophoretic analysis, toxicity, and kinetics of in vitro production of the protective antigen and lethal factor components of Bacillus anthracis toxin. Ezzell JW, et al. **Infect Immun** 1984 Sep;45(3):761–7

Proliferative response of immune mouse T-lymphocytes to the lymphocytosis-promoting factor of Bordetella pertussis. Fish F, et al. **Infect Immun** 1984 Apr;44(1):1–6

Immunological relationships between cholera toxin and Escherichia coli heat-labile enterotoxin. Gilligan PH, et al. **Infect Immun** 1983 Nov;42(2):683–91

In vitro inhibition of murine macrophage migration by Bordetella pertussis lymphocytosis-promoting factor. Meade BD, et al. **Infect Immun** 1984 Sep;45(3):718–25

Effect of pertussigen on inflammation caused by Freund adjuvant. Munoz JJ, et al. **Infect Immun** 1984 Jun; 44(3):637–41

Activation of distinct T cell subsets involved in IgM antibody response of mice by pertussis toxin from Bordetella pertussis strain Maeno. Kumazawa Y, et al. **Int Arch Allergy Appl Immunol** 1984;75(2):132–8

Enzyme immunoassay for detection of antibody to toxins A and B of Clostridium difficile. Viscidi RP, et al. **J Clin Microbiol** 1983 Aug;18(2):242–7

In vitro and in vivo neutralizing activity of human colostrum and milk against purified toxins A and B of Clostridium difficile. Kim K, et al. **J Infect Dis** 1984 Jul;150(1):57–62

Association between Bordetella pertussis agglutinogen 2 and fimbriae. Carter EJ, et al. **J Med Microbiol** 1984 Aug; 18(1):87–94

Biological activities of pertussigen from Bordetella pertussis strains of various agglutinogen types. Watanabe M. **Microbiol Immunol** 1984;28(5):509–15

Generation of leukotrienes and lipoxygenase factors from human polymorphonuclear granulocytes during bacterial phagocytosis and interaction with bacterial exotoxins. Bremm KD, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Jul; 254(4):500–14

[Immunotropic effect of filtrates of Pseudomonas aeruginosa culture] Jakoniuk P, et al. **Med Dosw Mikrobiol** 1983; 35(3–4):191–8 (Eng. Abstr.) **(Pol)**

ISOLATION & PURIFICATION

Two types of entomocidal toxins in the parasporal crystals of Bacillus thuringiensis kurstaki. Yamamoto T, et al. **Arch Biochem Biophys** 1983 Nov;227(1):233–41

A cell division-active protein from E. coli. Caprioli A, et al. **Biochem Biophys Res Commun** 1984 Jan 30; 118(2):587–93

Properties of crude Campylobacter jejuni heat-labile enterotoxin. Klipstein FA, et al. **Infect Immun** 1984 Aug; 45(2):314–9

Identification, purification, and some physicochemical properties of staphylococcal enterotoxin C3. Reiser RF, et al. **Infect Immun** 1984 Sep;45(3):625–30

Production of cholera toxin-like toxin by Vibrio mimicus and non-O1 Vibrio cholerae: batch culture conditions for optimum yields and isolation of hypertoxigenic lincomycin-resistant mutants. Spira WM, et al. **Infect Immun** 1983 Nov;42(2):501–9

Cellular location of heat-labile enterotoxin in Escherichia coli. Hirst TR, et al. **J Bacteriol** 1984 Feb;157(2):637–42

Pertussis toxin. Affinity purification of a new ADP-ribosyltransferase. Sekura RD, et al. **J Biol Chem** 1983 Dec 10;258(23):14647–51

Purification and characterization of alpha-toxin of Clostridium oedematiens type A. Izumi N, et al. **Jpn J Med Sci Biol** 1983 Jun;36(3):135–46

Improved method for purification of human Escherichia coli heat-stable enterotoxin by hydrophobic interaction, molecular-sieve and high performance ion exchange chromatography. Rönnberg B, et al. **Prep Biochem** 1983; 13(3):245–60

Biochemical characterization and biologic actions of two toxins (D-1 and D-2) from Clostridium difficile. Banno Y, et al. **Rev Infect Dis** 1984 Mar-Apr;6 Suppl 1:S11–20

Purification and characterization of erythrogenic toxins of Streptococcus pyogenes. VI. Mitogenic activity of isoelectrically focused erythrogenic toxin preparations and culture supernatants of group A streptococci. Knöll H, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Nov; 256(1):49–60

[Clostridium difficile and its toxin in a series of cases of Crohn's disease and ulcerative colitis] Jonard PP, et al. **Acta Gastroenterol Belg** 1983 May-Jun;46(5–6):220–9 (Eng. Abstr.) **(Fre)**

[Isolation and characterization of erythrogenic toxins. VII. Study of the erythrogenic toxin type C produced by Streptococcus pyogenes] Ozegowski JH, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 May; 257(1):38–50 (Eng. Abstr.) **(Ger)**

[Toxic products of Bacteroides fragilis subsp. fragilis] Majtánová L, et al. **Cesk Epidemiol Mikrobiol Imunol** 1984 May;33(3):155–61 (Eng. Abstr.) **(Slo)**

METABOLISM

Receptor-mediated entry of protein toxins into cells. Sandvig K, et al. **Acta Histochem [Suppl] (Jena)** 1984;29:79–94

Bordetella adenylate cyclase toxin: entry of bacterial adenylate cyclase into mammalian cells. Confer DL, et al. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1984; 17:183–7

Interaction between Clostridium difficile toxin A and mammalian cells. Chang TW. **Chung Kuo Yao Li Hsueh Pao** 1983 Sep;4(3):210–4

Surface properties of bacterial sulfhydryl-activated cytolytic toxins. Interaction with monomolecular films of phosphatidylcholine and various sterols. Alouf JE, et al. **Eur J Biochem** 1984 May 15;141(1):205–10

Comparison of enterotoxin production by Salmonella enteritidis in laboratory media, milk & meat. Sobeh FY, et al. **Indian J Med Res** 1984 Jan;79:28–34

Entry of Shigella dysenteriae toxin into HeLa cells. Eiklid K, et al. **Infect Immun** 1983 Nov;42(2):771–7

Evidence for pseudomonas exotoxin A receptors on plasma membrane of toxin-sensitive lm fibroblasts. Manhart MD, et al. **Infect Immun** 1984 Sep;45(3):596–603

Inactivation of Clostridium difficile cytotoxin by the neutrophil myeloperoxidase system. Ooi W, et al. **J Infect Dis** 1984 Feb;149(2):215–9

Escherichia coli cytotoxin, haemolytic-uraemic syndrome, and haemorrhagic colitis [letter] Karmali MA, et al. **Lancet** 1983 Dec 3;2(8362):1299–1300

Membrane receptors for bacterial toxins. Eidels L, et al. **Microbiol Rev** 1983 Dec;47(4):596–620 (232 ref.)

[The cAMP system and bacterial toxins] Kather H, et al. **Klin Wochenschr** 1983 Nov 15;61(22):1109–14 (42 ref.) (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Toxin A of Clostridium difficile: production, purification and effect in mouse intestine. Lönnroth I, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1983 Dec; 91(6):395–400

Pertussis toxin: lessons from biological and biochemical effects in different cells. Hewlett EL, et al. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1984; 17:173–82 (45 ref.)

Bacillus anthracis calmodulin-dependent adenylate cyclase: chemical and enzymatic properties and interactions with eucaryotic cells. Leppla SH. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1984; 17:189–98

Islet-activating protein, pertussis toxin: a specific uncoupler of receptor-mediated inhibition of adenylate cyclase. Ui M, et al. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1984; 17:145–51 (31 ref.)

Selective regulation by pertussis toxin of insulin-induced activation of particulate cAMP phosphodiesterase activity in 3T3-L1 adipocytes. Elks ML, et al. **Biochem Biophys Res Commun** 1983 Oct 31;116(2):593–8

Pertussis toxin reverses Gpp(NH)p inhibition of basal and forskolin activated adipocyte adenylate cyclase. Fain JN, et al. **Biochem Biophys Res Commun** 1983 Oct 31; 116(2):651–6

Requirement for both choleragen and pertussis toxin to obtain maximal activation of adenylate cyclase in cultured cells. Hsia JA, et al. **Biochem Biophys Res Commun** 1984 Mar 30;119(3):1068–74

Pertussis toxin blocks somatostatin's inhibition of stimulated cyclic AMP accumulation in anterior pituitary tumor cells. Reisine TD, et al. **Biochem Biophys Res Commun** 1983 Sep 30;115(3):794–9

Islet-activating protein blocks glucagon desensitization in intact hepatocytes. Heyworth CM, et al. **Biochem J** 1984 Aug 15;222(1):189–94

Activation of lipolysis and cyclic AMP accumulation in rabbit adipocytes by isoproterenol in the presence of forskolin or pertussis toxin. Fain JN, et al. **Biochim Biophys Acta** 1984 Apr 24;798(3):382–9

Effect of pertussis toxin on the hormonal regulation of cyclic AMP levels in hamster fat cells. Martínez-Olmedo MA, et al. **Biochim Biophys Acta** 1983 Oct 18;760(2):215–20

Inhibition of granulocytic-macrophagic precursor cells (CFU-C) by heat-labile enterotoxin (LT) produced by Escherichia coli. Pessina A, et al. **Biomed Pharmacother** 1983;37(9–10):447–52

Effect of theophylline and heat-stable enterotoxin of Escherichia coli on transcellular and paracellular ion movement across isolated porcine colon. Argenzio RA, et al. **Can J Physiol Pharmacol** 1983 Oct;61(10):1138–48

Effects of pertussis toxin (PT) on T-cell populations sensitized for delayed-type hypersensitivity in mice. Tamura SI, et al. **Cell Immunol** 1984 May;85(2):351–63

'Antigonadal' activity of the neurohypophysial hormones in cultured rat testicular cells: abolition by pertussis toxin. Adashi EY, et al. **Endocrinology** 1984 Aug;115(2):839–41

Human pancreatic tumor growth hormone (GH) - releasing factor and cyclic adenosine 3',5'- monophosphate evoke GH release from anterior pituitary cells: the effects of pertussis toxin, cholera toxin, forskolin, and cycloheximide. Cronin MJ, et al. **Endocrinology** 1984 Mar;114(3):904–13

Pertussis toxin blocks the action of morphine, norepinephrine and clonidine on isolated guinea-pig ileum. Luján M, et al. **Eur J Pharmacol** 1984 May 4;100(3–4):377–80

Direct action of pertussis toxin in isolated hamster fat cells. Martínez-Olmedo MA, et al. **Eur J Pharmacol** 1984 Mar 16;99(1):115–8

Effect of pertussis toxin on alpha 2-adrenoceptors: decreased formation of the high-affinity state for agonists. García-Sáinz JA, et al. **FEBS Lett** 1984 Jun 25;172(1):95–8

Islet-activating protein, pertussis toxin, inhibits Ca2+-induced and guanine nucleotide-dependent releases of histamine and arachidonic acid from rat mast cells. Nakamura T, et al. **FEBS Lett** 1984 Aug 6;173(2):414–8

Characterization of the mechanism of action of Escherichia coli heat-stable enterotoxin. Dreyfus LA, et al. **Infect Immun** 1984 May;44(2):493–501

Mechanism of tetanolysin-induced membrane damage: studies with black lipid membranes. Blumenthal R, et al. **J Bacteriol** 1984 Jan;157(1):321–3

Activation of the calcium permeability of erythrocyte membranes by perfringolysin O. Saito M. **J Biochem (Tokyo)** 1983 Jul;94(1):323–6

Differential effect of pertussis toxin on the affinity state for agonists of renal alpha 1- and alpha 2- adrenoceptors. Boyer JL, et al. **J Biol Chem** 1984 Jul 10;259(13):8076–9

Altered activity of the inhibitory guanyl nucleotide-binding component (Ni) induced by pertussis toxin. Uncoupling of Ni from receptor with continued coupling of Ni to the catalytic unit. Cote TE, et al. **J Biol Chem** 1984 Jul 25; 259(14):8693–8

ADP-ribosylation of transducin by pertussis toxin blocks the light-stimulated hydrolysis of GTP and cGMP in retinal photoreceptors. Van Dop C, et al. **J Biol Chem** 1984 Jan 10;259(1):23–6

Inhibition of bovine rod outer segment GTPase by Bordetella pertussis toxin. Watkins PA, et al. **J Biol Chem** 1984 Feb 10;259(3):1378–81

Pertussis toxin actions on the pituitary-derived 235-1 clone: effects of PGE1, cholera toxin, and forskolin on cyclic AMP metabolism and prolactin release. Cronin MJ, et al. **J Cyclic Nucleotide Protein Phosphor Res** 1983;9(3):245–58

Functional uncoupling of muscarinic receptors from adenylate cyclase in rat cardiac membranes by the active component of islet-activating protein, pertussis toxin. Kurose H, et al. **J Cyclic Nucleotide Protein Phosphor Res** 1983; 9(4–5):305–18

Studies on the mechanism of the enhancement of delayed-type hypersensitivity by pertussigen. Sewell WA, et al. **J Immunol** 1984 Oct;133(4):1716–22

Molecular mechanisms of lymphocyte extravasation. I. Studies of two selective inhibitors of lymphocyte recirculation. Spangrude GJ, et al. **J Immunol** 1984 Jan; 132(1):354–62

Pertussis toxin decreases opiate receptor binding and adenylate inhibition in a neuroblastoma x glioma hybrid cell line. Costa T, et al. **Life Sci** 1983;33 Suppl 1:219–22

Effect of Clostridium perfringens beta toxin on blood pressure of rats. Sakurai J, et al. **Microbiol Immunol** 1984; 28(1):23–31

Promotion of lipolysis in rat adipocytes by pertussis toxin: reversal of endogenous inhibition. Olansky L, et al. **Proc Natl Acad Sci USA** 1983 Nov;80(21):6547–51

Interaction of Clostridium difficile toxins and mouse hepatic microsomes. Ehrich M. **Toxicon** 1983;21(6):903–7

Action of bacterial cytotoxins on normal mammalian cells and cells with altered membrane lipid composition. Linder R, et al. **Toxicon** 1984;22(4):641–51

Survival of cultured cells after functional and structural disorganization of plasma membrane by bacterial haemolysins and phospholipases. Thelestam M, et al. **Toxicon** 1983;21(6):805–15

Further observations of Corynebacterium renale as an indicator organism in the detection of the exfoliation-positive strains of Staphylococcus aureus. Skalka B, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Dec;256(2):168–74

[Pertussis toxin stimulates brain adenyl cyclase and induces ADP ribosylation of a 40,000 dalton membrane protein] Berthillier G, et al. **C R Seances Acad Sci [III]** 1983; 297(12):575–8 (Eng. Abstr.) **(Fre)**

[Recent advances in the molecular mechanism of action of bacterial toxins, in particular of diphtheria, cholera, coli, botulinum and shigella toxins as well as tetanospasmin and the toxins of staphylococcus aureus] Kolb E. **Z Gesamte Inn Med** 1984 Mar 15;39(6):85–92 (Eng. Abstr.) **(Ger)**

[Epizootiologic studies of atrophic rhinitis of swine. IV. Effect of the heat-labile toxin of Bordetella bronchiseptica strains on the lymphatic organs of the mouse] Eliás B, et al. **Zentralbl Veterinarmed [B]** 1983 Oct;30(9):660–8 (Eng. Abstr.) **(Ger)**

[Specificity and mechanism of action of bacterial toxins] Battistini A, et al. **Ann Ist Super Sanita** 1982;18(3):453–7 (14 ref.) (Eng. Abstr.) **(Ita)**

[Chromato-mass-spectral study of the secretion in the rabbit small intestine discharged in response to cholera and salmonella toxins] Linberg LF, et al. **Biull Eksp Biol Med** 1984 Jul;97(7):44–6 (Eng. Abstr.) **(Rus)**

[Effect of staphylococcal toxin and antistaphylococcal gamma-globulin on the electrical and contractile activity of the guinea pig myocardium] Vornovitskii EG, et al. **Biull Eksp Biol Med** 1983 Oct;96(10):16–9 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

The ADP-ribosyltransferase activity of cholera toxin and Escherichia coli heat-labile toxin. Coulson CJ, et al. **Biochem Soc Trans** 1984 Apr;12(2):184–7

The mechanism of action of Escherichia coli heat-stable toxin. de Jonge HR. **Biochem Soc Trans** 1984 Apr; 12(2):180–4

SECRETION

Effect of antibiotics on production of enzymes and toxins by microorganisms. Shibl AM. **Rev Infect Dis** 1983 Sep–Oct;5(5):865–75

TOXICITY

Intestinal adaptation to cyclic AMP-mediated hypersecretion induced by the heat-labile enterotoxin of Vibrio cholerae and Escherichia coli. Lönnroth I, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1984 Feb; 92(1):53–60

Toxic properties of the Mycoplasma arthritidis ISR-1 membrane. Krüger M, et al. **Ann Microbiol (Paris)** 1984 Jan–Feb;135A(1):103–9

Ultrastructural effects of Clostridium difficile toxin B on smooth muscle cells and fibroblasts. Wedel N, et al. **Exp Cell Res** 1983 Oct 15;148(2):413–22

Lethal & enterotoxic effects of Salmonella saintpaul toxin. Sharma VD, et al. **Indian J Exp Biol** 1983 Nov; 21(11):639–40

Cytopathic effects of shigellae on Vero & HeLa cells. Ramachandran VG, et al. **Indian J Med Res** 1983 Aug; 78:161–9

Inhibition of keratinocyte proliferation by extracts of Actinobacillus actinomycetemcomitans. Kamen PR. **Infect Immun** 1983 Dec;42(3):1191–4

Effect of lodoxamide on the secretory response induced by Escherichia coli and Vibrio cholerae enterotoxins in infant mice. Knoop FC, et al. **Infect Immun** 1984 May;44(2):406–8

Effect of Clostridium perfringens epsilon toxin on the cardiovascular system of rats. Sakurai J, et al. **Infect Immun** 1983 Dec;42(3):1183–6

Acute diarrhea in horses of the Potomac River area: examination for clostridial toxins. Ehrich M, et al. **J Am Vet Med Assoc** 1984 Aug 15;185(4):433–5

Staphylococcal alpha-toxin elicits hypertension in isolated rabbit lungs. Evidence for thromboxane formation and the role of extracellular calcium. Seeger W, et al. **J Clin Invest** 1984 Sep;74(3):849–58

Histopathological changes in the brain of mice given Clostridium perfringens type D epsilon toxin. Finnie JW. **J Comp Pathol** 1984 Jul;94(3):363–70

Ultrastructural changes in the brain of mice given Clostridium perfringens type D epsilon toxin. Finnie JW. **J Comp Pathol** 1984 Jul;94(3):445–52

Pathogenesis of Shigella diarrhea. VIII. Evidence for a translocation step in the cytotoxic action of Shiga toxin. Jacewicz M, et al. **J Infect Dis** 1983 Nov;148(5):844–54

Rapid death of infant rhesus monkeys injected with Clostridium difficile toxins A and B: physiologic and pathologic basis. Arnon SS, et al. **J Pediatr** 1984 Jan; 104(1):34–40

'Pertussis toxin induces tachycardia and impairs the increase in blood pressure produced by alpha 2-adrenergic agonists'. Boyer JL, et al. **Life Sci** 1983 Dec 26;33(26):2627–33

Streptococcal toxins. Wannamaker LW. **Rev Infect Dis** 1983 Sep–Oct;5 Suppl 4:S723–32 (84 ref.)

Toxins of Pseudomonas aeruginosa: new perspectives. Woods DE, et al. **Rev Infect Dis** 1983 Sep–Oct;5 Suppl 4:S715–22 (69 ref.)

Toxinogenic potential of Proteus mirabilis strains. Holtacká A, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 May; 257(1):83–92

Antigens and toxic components of Legionella in pathogenesis and immunity. Wong KH, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Jul; 255(1):132–7

[Reaction of the gastric and ileal mucosa to Shigella sonnei toxin in experimental chronic opisthorchiasis] Moiseenko AV, et al. **Med Parazitol (Mosk)** 1983 Sep–Oct;(5):58–61 (Eng. Abstr.) **(Rus)**

[Virulence and toxigenicity of Pseudomonas aeruginosa cultures of various origins] Dziubak ST. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Jan;(1):50–3 (Eng. Abstr.) **(Rus)**

[Molecular organization and functions of the protein toxins of the causative agents of cholera and plague] Efremenko VI. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Nov; (11):7–13 (55 ref.) **(Rus)**

BACTERIAL VACCINES

Development of calf diarrhoea vaccines. Snodgrass DR. **Ann Rech Vet** 1983;14(4):519–21

Pneumococcal vaccine strategy. Feasibility of a vaccination program directed at hospitalized and ambulatory patients. Magnussen CR, et al. **Arch Intern Med** 1984 Sep; 144(9):1755–7

Mycoplasma gallisepticum vaccination: effects on egg transmission and egg production. Glisson JR, et al. **Avian Dis** 1984 Apr–Jun;28(2):406–15

Mycoplasma gallisepticum (MG)—laboratory and field studies evaluating the safety and efficacy of an inactivated MG bacterin. Hildebrand DG, et al. **Avian Dis** 1983 Jul–Sep;27(3):792–802

Use of two vaccines (live G30D or killed RW16) in the prevention of Salmonella typhimurium infections in chickens. Suphabphant W, et al. **Avian Dis** 1983 Jul–Sep; 27(3):602–15

Active and passive immunization against Pseudomonas aeruginosa infection of burned patients. Roe EA, et al. **Burns Incl Therm Inj** 1983 Jul;9(6):433–9

Serogroups and serotypes of pneumococci in Montreal: correlations with age, outcome and indications for vaccination. Lamothe F, et al. **Can Med Assoc J** 1984 Mar 15;130(6):737–40

Properties of cross-linked toxoid vaccines made with hyperantigenic forms of synthetic Escherichia coli heat-stable toxin. Klipstein FA, et al. **Infect Immun** 1984 May;44(2):268–73

Report of the SEARO/WPRO/IMMLEP/THELEP Joint Scientific Meeting on Leprosy, Rangoon, Burma, 18–19 November 1981 and the Joint Indian and IMMLEP Scientific Meeting on Immunoepidemiology of Leprosy, New Delhi, India, 14–16 February 1983. **Int J Lepr** 1983 Dec;51(4):500–62

Rationales for vaccines against leprosy. Bloom BR. **Int J Lepr** 1983 Dec;51(4):505–9

Natural history of leprosy—aspects relevant to a leprosy vaccine. Fine PE. **Int J Lepr** 1983 Dec;51(4):553–5

Operational problems in vaccine trials. Guld J. **Int J Lepr** 1983 Dec;51(4):559–62

Epidemiological considerations in vaccine trials in leprosy. Noordeen SK. **Int J Lepr** 1983 Dec;51(4):556–8

Progress in the preparation of an antileprosy vaccine from armadillo-derived Mycobacterium leprae. Rees RJ. **Int J Lepr** 1983 Dec;51(4):515–8

Animal vaccination studies with Mycobacterium leprae. Shepard CC. **Int J Lepr** 1983 Dec;51(4):519–23

Two candidate antileprosy vaccines—current status of their development. Talwar GP, et al. **Int J Lepr** 1983 Dec; 51(4):550–2

Use of new bacterial vaccines in children. Klein JO. **Isr J Med Sci** 1983 Nov;19(11):1026–9

Vaccination against Streptococcus pneumoniae in childhood: lack of demonstrable benefit in young Australian children. Douglas RM, et al. **J Infect Dis** 1984 Jun;149(6):861–9

Waldenström's macroglobulinemia: report of a case with pulmonary involvement and recurrent pneumococcal sepsis after pneumococcal vaccination. King TE, et al. **J Natl Med Assoc** 1984 Feb;76(2):184–6, 189

Fatal post-splenectomy pneumococcal sepsis despite pneumococcal vaccine and penicillin prophylaxis [letter] Brivet F, et al. **Lancet** 1984 Aug 11;2(8398):356–7

Fatal post-splenectomy sepsis despite prophylaxis with penicillin and pneumococcal vaccine [letter] Evans DI. **Lancet** 1984 May 19;1(8386):1124

An expanded pneumococcal vaccine. **Med Lett Drugs Ther** 1983 Sep 30;25(645):91–2

Autogenous E coli bacterins for swine. Perry JM. **Mod Vet Pract** 1982 Sep;63(9):721

Pneumococcal vaccine [letter] Lipsky BA, et al. **N Engl J Med** 1984 Jul 26;311(4):260–1

Prevention of Hemophilus influenzae type b bacteremic infections with the capsular polysaccharide vaccine. Peltola H, et al. **N Engl J Med** 1984 Jun 14;310(24):1561–6

Role of bacterial vaccines in prevention of respiratory infections with special reference to pneumococcal vaccines. Huchon G. **Postgrad Med J** 1983;59 Suppl 3:185–7

Experimental immunisation of lambs against pneumonic pasteurellosis. Gilmour NJ, et al. **Res Vet Sci** 1983 Jul; 35(1):80–6

Possibilities of preventing otitis media by vaccination. Mäkelä PH, et al. **Scand J Infect Dis [Suppl]** 1983;39:34–8

Effect of pneumococcal vaccination on upper respiratory tract infections in children. Design of a follow-up study. Rosén C, et al. **Scand J Infect Dis [Suppl]** 1983;39:39–44

Survey of physician acceptance of the pneumococcal vaccine. Berk SL, et al. **South Med J** 1984 Apr;77(4):450–4

Effect of some cultural factors on T1 broth vaccine for contagious bovine pleuropneumonia. Miles RJ. **Trop Anim Health Prod** 1983 Aug;15(3):144–8

[Technical and veterinary aspects of the aerogenic immunization against bacterial infections] Petzoldt K, et al. **DTW** 1983 Jul 6;90(7):291–5 (32 ref.) **(Ger)**

[Basic approach to the production of potential vaccine strains of Salmonella, Shigella and Pasteurella, capable of reproduction, using suitable genetic markers] Linde K, et al. **Z Gesamte Hyg** 1984 Mar;30(3):141–7 **(Ger)**

ADMINISTRATION & DOSAGE

Immunity and hospital infections. Kováts TG, et al. **Acta Chir Hung** 1983;24(4):279–85

IgM and IgG response to pneumococcal polysaccharide vaccine in normal individuals and individuals splenectomized due to trauma. Aaberge IS, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1984 Feb; 92(1):11–6

Update: pneumococcal polysaccharide vaccine usage—United States. Recommendations of the Immunization Practices Advisory Committee. **Ann Intern Med** 1984 Sep;101(3):348–50

A controlled evaluation of the protective efficacy of pneumococcal vaccine for patients at high risk of serious pneumococcal infections. Shapiro ED, et al. **Ann Intern Med** 1984 Sep;101(3):325–30

Pneumococcal vaccine in the hospital. Improved use and implications for high-risk patients. Klein RS, et al. **Arch Intern Med** 1983 Oct;143(10):1878–81

Pneumococcal vaccine for high-risk patients [letter] Rosner F. **Arch Intern Med** 1984 May;144(5):1089

Response of broiler-type chickens to live Pasteurella multocida—duration of immunity and minimum dose. Derieux WT. **Avian Dis** 1984 Jan–Mar;28(1):281–4

Further studies on the immunization of chickens with temperature-sensitive Mycoplasma gallisepticum mutant. Lam KM, et al. **Avian Dis** 1984 Jan–Mar;28(1):131–8

Evaluation of attenuated strains of Mycoplasma gallisepticum as vaccines in young chickens. Lin MY, et al. **Avian Dis** 1984 Jan–Mar;28(1):88–99

Evaluation of inactivated Mycoplasma gallisepticum oil-emulsion bacterins for protection against airsacculitis in broilers. Yoder HW Jr, et al. **Avian Dis** 1984 Jan–Mar; 28(1):224–34

Mobilization of heparan sulfate induced by immunostimulation in a patient with mucopolysaccharidosis IIIA. Zerial M, et al. **Biochem Med** 1984 Apr;31(2):228–35

Adjuvant immune stimulation with Corynebacterium parvum during maintenance chemotherapy of acute myeloid leukemia. A prospective randomized study. la Cour Petersen E, et al. **Cancer Immunol Immunother** 1983; 16(2):88–92

Administration of purified colonization factor antigens (CFA/I, CFA/II) of enterotoxigenic Escherichia coli to volunteers. Response to challenge with virulent enterotoxigenic Escherichia coli. Evans DG, et al. **Gastroenterology** 1984 Oct;87(4):934–40

Protection from infection with mycobacteria. Stanford JL, et al. **Indian J Chest Dis Allied Sci** 1983 Apr–Jun; 25(2):132–8

Effect of parenteral immunization on the local immunoglobulin A response of the intestine to Shigella flexneri antigens. Keren DF, et al. **Infect Immun** 1983 Oct; 42(1):202–7

Immune response of owl monkeys to topical vaccination with irradiated Chlamydia trachomatis. MacDonald AB, et al. **J Infect Dis** 1984 Mar;149(3):439–42

Long-term follow-up and booster immunization with polyvalent pneumococcal polysaccharide in patients with sickle cell anemia. Weintrub PS, et al. **J Pediatr** 1984 Aug; 105(2):261–3

Leads from the MMWR. Update: pneumococcal polysaccharide vaccine usage—United States. **JAMA** 1984 Jun 15;251(23):3071–2, 3075

Meningococcal vaccine: intradermal versus subcutaneous [letter] Hassan-King M, et al. **Lancet** 1984 Apr 7; 1(8380):790

Update: pneumococcal polysaccharide vaccine usage—United States. **MMWR** 1984 May 25;33(20):273–6, 281

Meningococcal group B vaccine trial in Norway 1981—1982. Preliminary report of results available November 1982. Frøholm LO, et al. **NIPH Ann** 1983 Dec;6(2):133–8

An ELISA study of the antibody response after vaccination with a combined meningococcal group B polysaccharide and serotype 2 outer membrane protein vaccine. Rosenqvist E, et al. **NIPH Ann** 1983 Dec;6(2):139–49

Use of pneumococcal polysaccharide vaccine in preventing otitis media in infants: different results between racial groups. Howie VM, et al. **Pediatrics** 1984 Jan;73(1):79–81

Immunization of burned patients against Pseudomonas aeruginosa infection at Safdarjang Hospital, New Delhi. Roe EA, et al. **Rev Infect Dis** 1983 Nov–Dec;5 Suppl 5:S922–30

Mechanisms of lipopolysaccharide-induced protection against pseudomonas sepsis in granulocytopenic mice. Tegtmeier BR, et al. **Rev Infect Dis** 1983 Nov–Dec;5 Suppl 5:S963–70

Immunogenicity of soluble haemagglutinin-lipopolysaccharide complex of classical vibrio cholerae. Chaicumpa W, et al. **Southeast Asian J Trop Med Public Health** 1983 Dec; 14(4):548–58

Response of tumors to biologic modifiers and chemotherapeutic agents. Katsuoka Y, et al. **Tokai J Exp Clin Med** 1983 May;8(2):175–85

Controlled study with imidazole carboxamide (DTIC), DTIC + bacillus Calmette-Guérin (BCG), and DTIC + corynebacterium parvum in advanced malignant melanoma. W.H.O. Collaborating Centres for Evaluation of Methods of Diagnosis and Treatment of Melanoma. **Tumori** 1984 Feb 29;70(1):41–8

Vaccination of fish: a practical view. Horne MT, et al.

Vet Rec 1984 Jun 2;114(22):537–9

Development of a combined clostridial and Pasteurella haemolytica vaccine for sheep. Wells PW, et al. **Vet Rec** 1984 Mar 17;114(11):266–9

[Immunoprevention of colibacillary enteritis in infants with a mixed peroral coli vaccine] Wiedermannová D, et al. **Cas Lek Cesk** 1983 Aug 19;122(32–33):994–9 (Eng. Abstr.) **(Cze)**

[Vaccination against abdominal typhus: subcutaneously or orally?] Huisman J. **Ned Tijdschr Geneeskd** 1984 Jul 28; 128(30):1425–7 **(Dut)**

[Recent vaccines. Their current value in pediatrics] Lambert R. **Ann Pediatr (Paris)** 1984 Jun;31(6):515–6 **(Fre)**

[Evaluation of antipneumococcal vaccination by epidemiologic surveillance of hospital infections: methods and results over a 2-year period] Ozenne GL, et al. **LARC Med** 1984 Feb;4(2):69–73 (Eng. Abstr.) **(Fre)**

[Passive immunoprophylaxis against coli dysentery of suckling pigs by vaccination of sows with attenuated Escherichia coli mutants. 1. Clinical and laboratory diagnostic results of the combined use of K88- and K99-antigen-containing strains derived from Escherichia coli mutants] Hübner A, et al. **Arch Exp Veterinarmed** 1983 Sep;37(5):717–27 (22 ref.) (Eng. Abstr.) **(Ger)**

[Oral typhoid immunization] Schneider W, et al. **Dtsch Med Wochenschr** 1984 Apr 13;109(15):592–4 **(Ger)**

[Study of various application methods for active immunization of fishes with Aeromonas salmonicida, Aeromonas punctata and Vibrio anguillarum. 1. Immunization with Aeromonas salmonicida strain 314] Jung B, et al. **DTW** 1983 Jul 6;90(7):286–91 (Eng. Abstr.) **(Ger)**

[Duration of the preventive effect against trichomoniasis following vaccination with SolcoTrichovac] Grčić R, et al. **Gynakol Rundsch** 1983;23(3):191–6 **(Ger)**

[Epizootiological studies of atrophic rhinitis and pneumonia of swine. V. Studies on specific control] Eliás B, et al. **Zentralbl Veterinarmed [B]** 1984 Apr;31(3):180–8 (Eng. Abstr.) **(Ger)**

[Comparative study of the basic immunological reactions for assessing tularemia immunity in inoculated persons or those who have had the disease] Kamennova LS, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Nov;(11):92–5 (Eng. Abstr.) **(Rus)**

[Prospects for the production of an anti-adhesive vaccine against strains of Escherichia coli causing diarrhea in humans (1)] Cravioto A. **Bol Med Hosp Infant Mex** 1984 Mar;41(3):122–8 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Safety of vaccines containing meningococcal group B polysaccharide [letter] Zollinger WD, et al. **Lancet** 1984 Jul 21;2(8395):166

Small-vessel vasculitis following simultaneous influenza and pneumococcal vaccination. Houston TP. **NY State J Med** 1983 Oct–Nov;83(11–12):1182–3

Acute polyarthritis following the use of Corynebacterium parvum vaccine (Coparvax) for malignant pleural effusion. Lever AM, et al. **Postgrad Med J** 1983 Dec;59(698):799–800

[Associated live vaccine against influenza, adenovirus type 4 and Mycoplasma pneumoniae] Smorodintsev AA, et al. **Tr Inst Pastera** 1982;58:3–13 **(Rus)**

[Comparative study of the reactogenicity and immunogenicity of various doses of a chemical polysaccharide meningococcal vaccine administered by syringe and jet injector] Pavlova LI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Nov;(11):58–64 (Eng. Abstr.) **(Rus)**

ANALYSIS

Preparation of human hyperimmune globulin to Haemophilus influenzae b, Streptococcus pneumoniae, and Neisseria meningitidis. Siber GR, et al. **Infect Immun** 1984 Jul; 45(1):248–54

Detection of blood group A-like substance in bacterial and viral vaccines by countercurrent immunoelectrophoresis using Helix pomatia lectin. Oravec LS, et al. **J Biol Stand** 1984;12(2):159–66

Pneumococcal serotype distribution and vaccine relevance [letter] Martin DR, et al. **NZ Med J** 1984 Jan 25;97(748):53

IMMUNOLOGY

Immunoglobulin classes and persistence of anti-pneumococcal antibodies in splenectomized adults and adolescents after pneumococcal vaccination. Pedersen FK, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1983 Aug; 91(4):245–9

Failure of Q fever phase I corpuscular vaccine to influence the persistence and reactivation of Coxiella burnetii infection in mouse and guinea pig tissues. Kazár J, et al. **Acta Virol (Praha)** 1983 Sep;27(5):418–28

Capsular polysaccharides as human vaccines. Jennings HJ. **Adv Carbohydr Chem Biochem** 1983;41:155–208 (240 ref.)

Antibody responses to meningococcal polysaccharide vaccine in adults without a spleen. Ruben FL, et al. **Am J Med** 1984 Jan;76(1):115–21

Leptospiral vaccines: immunogenicity of protein-free medium cultivated whole cell bacterins in swine. Bey RF, et al. **Am J Vet Res** 1983 Dec;44(12):2299–301

Lamb model in the study of immunity to enteropathogenic Escherichia coli infections. Gregory DW, et al. **Am J Vet Res** 1983 Nov;44(11):2073–7

Challenge exposure of cattle vaccinated with a chemically altered strain of Pasteurella haemolytica. Kucera CJ, et al. **Am J Vet Res** 1983 Oct;44(10):1848–52

Relationship of cutaneous delayed hypersensitivity to protection from challenge exposure with Salmonella typhimurium in calves. Merritt FF, et al. **Am J Vet Res** 1984 Jun;45(6):1081–5

Infectious bovine keratoconjunctivitis: enhancement of Moraxella bovis pili immunogenicity with diphtheria-tetanus toxoids and pertussis vaccine. Pugh GW Jr, et al. **Am J Vet Res** 1984 Apr;45(4):661–5

Aromatic-dependent Salmonella typhimurium as modified live vaccines for calves. Smith BP, et al. **Am J Vet Res** 1984 Jan;45(1):59–66

Bovine genital campylobacteriosis (vibriosis): vaccination of experimentally infected bulls. Vasquez LA, et al. **Am J Vet Res** 1983 Aug;44(8):1553–7

A study of the skin reaction to bacterial vaccine in perennial rhinitis. Bunnag C, et al. **Ann Allergy** 1984 Sep;53(3):268–71

Influence of Vaccinum cholericum, Polyvaccinum and Alavac S preparation on mu-IFN-alpha production. Szalaty H, et al. **Arch Immunol Ther Exp (Warsz)** 1984; 32(1):1–7

The effect of oil-emulsion vaccines on the occurrence of nonspecific plate agglutination reactions for Mycoplasma gallisepticum and M. synoviae. Glisson JR, et al. **Avian Dis** 1984 Apr–Jun;28(2):397–405

Immunization of chickens with temperature-sensitive mutants of Mycoplasma gallisepticum. Lam KM, et al. **Avian Dis** 1983 Jul–Sep;27(3):803–12

Correlation of titer, preservation method, and storage of Mycoplasma gallisepticum F strain and the immune response in chickens. Lin MY, et al. **Avian Dis** 1984 Jan–Mar;28(1):273–7

Immunogenic potency of an oil-emulsified Escherichia coli bacterin. Panigraphy B, et al. **Avian Dis** 1984 Apr–Jun; 28(2):475–81

Antibody responses elicited by a polyvalent vaccine containing synthetic diphtheric, streptococcal and hepatitis peptides coupled to the same carrier. Chedid L, et al. **Biochem Biophys Res Commun** 1983 Dec 28;117(3):908–15

Analysis of immune responses in genital tracts of mice immunised with purified ribosomal fractions of Neisseria gonorrhoeae. Kita E, et al. **Br J Vener Dis** 1984 Aug; 60(4):219–25

Role of spleen in immune response to polyvalent pneumococcal vaccine. Di Padova F, et al. **Br Med J [Clin Res]** 1983 Dec 17;287(6408):1829–32

Prevention of experimental bovine pneumonic pasteurellosis with an extract of Pasteurella haemolytica. Yates WD, et al. **Can J Comp Med** 1983 Jul;47(3):250–6

Enhancement of resistance in Mycobacterium lepraemurium infected C3H mice by treatment with sonicated M. lepraemurium or splenectomy. Turcotte R, et al. **Clin Exp Immunol** 1984 Apr;56(1):97–104

The effectiveness of inactivated vaccines applied parenterally to sows to control Escherichia coli diarrhea in piglets in an industrial fattening farm. Ciosek D, et al. **Comp Immunol Microbiol Infect Dis** 1983;6(4):313–9

Association of hepatitis B vaccine with other vaccines—laboratory animals study. Mazert MC, et al. **Dev Biol Stand** 1983;54:53–62

Cross-reacting opsonic antibodies to clinically important pneumococcal serotypes after pneumococcal vaccination. Braconier JH, et al. **Eur J Clin Microbiol** 1983 Oct; 2(5):453–8

Host-mediated antitumor activity of Lactobacillus casei in mice. Yasutake N, et al. **Gann** 1984 Jan;75(1):72–80

Serological study with SolcoTrichovac, a vaccine against Trichomonas vaginalis infection in women. Milovanović R, et al. **Gynakol Rundsch** 1983;23 Suppl 2:39–45

Characteristics of live vaccines in relation to delayed-type hypersensitivity and protective immunity in murine experimental salmonellosis. Udhayakumar V, et al. **Immunol Lett** 1983 Jun;6(6):299–302

Protection against fatal Klebsiella pneumoniae burn wound sepsis by passive transfer of anticapsular polysaccharide. Cryz SJ Jr, et al. **Infect Immun** 1984 Jul;45(1):139–42

Reactivity and immunogenicity of bivalent (AC) and tetravalent (ACW135Y) meningococcal vaccines containing O-acetyl-negative or O-acetyl-positive group C polysaccharide. Vodopija I, et al. **Infect Immun** 1983 Nov;42(2):599–604

Reversal reaction in lepromatous patients induced by a vaccine containing killed ICRC bacilli—a report of five cases. Bhatki WS, et al. **Int J Lepr** 1983 Dec;51(4):466–72

Antileprosy potentials of ICRC vaccine. A study in patients and healthy volunteers. Deo MG, et al. **Int J Lepr** 1983 Dec;51(4):540–9

Regulation of the antibody response to type III pneumococcal polysaccharide by contrasuppressor T cells. Braley-Mullen H. **J Exp Med** 1984 Jul 1;160(1):42–54

The protective level of serum antibodies to the capsular polysaccharide of Haemophilus influenzae type b [letter] Anderson P. **J Infect Dis** 1984 Jun;149(6):1034–5

Immunogenicity of a Haemophilus influenzae type b vaccine in combination with diphtheria-pertussis-tetanus vaccine in infants. Coulehan JL, et al. **J Infect Dis** 1983 Sep; 148(3):530–4

Class-specific antibody response to Haemophilus influenzae type b capsular polysaccharide vaccine. Käyhty H, et al. **J Infect Dis** 1983 Oct;148(4):767

Response of infants to Haemophilus influenzae type b polysaccharide and diphtheria-tetanus-pertussis vaccines in combination. Lepow ML, et al. **J Infect Dis** 1984 Jun; 149(6):950–5

Considerations for formulating the second-generation pneumococcal capsular polysaccharide vaccine with emphasis on the cross-reactive types within groups. Robbins JB, et al. **J Infect Dis** 1983 Dec;148(6):1136–59 (170 ref.)

Class-specific human bactericidal antibodies to capsular and noncapsular surface antigens of Neisseria meningitidis. Skevakis I. et al. **J Infect Dis** 1984 Mar;149(3):387–96

Safety and antigenicity of typhoid-Shigella sonnei vaccine (strain 5076-1C). Tramont EC, et al. **J Infect Dis** 1984 Feb;149(2):133–6

Immunogenicity of Haemophilus influenzae type b polysaccharide—diphtheria toxoid conjugate vaccine in adults. Granoff DM, et al. **J Pediatr** 1984 Jul;105(1):22–7

Response of traumatized splenectomized patients to immediate vaccination with polyvalent pneumococcal vaccine. Caplan ES, et al. **J Trauma** 1983 Sep;23(9):801–5

Clinical trial of the protective role of polyvalent pneumococcal vaccine in sickle cell anaemia patients in Zambia. Chintu C, et al. **Med J Zambia** 1983 Jul;17(3):73–6

Antibody response to pneumococcal vaccine in patients with solid tumors and lymphomas. Shildt RA, et al. **Med Pediatr Oncol** 1983;11(5):305–9

A reassessment of pneumococcal vaccine. Austrian R. **N Engl J Med** 1984 Mar 8;310(10):651–3

Can Hemophilus infections be prevented? [editorial] Denny FW Jr. **N Engl J Med** 1984 Jun 14;310(24):1595–6

Intranasal administration of a Pseudomonas lipopolysaccharide vaccine in cystic fibrosis patients. Wood RE, et al. **Pediatr Infect Dis** 1983 Sep–Oct;2(5):367–9

Swine dysentery: protection against experimental challenge following single dose parenteral immunisation with inactivated Treponema hyodysenteriae. Fernie DS, et al. **Res Vet Sci** 1983 Sep;35(2):217–21

Effect of pilus dose and type of Freund's adjuvant on the antibody and protective responses of vaccinated sheep to Bacteroides nodosus. Stewart DJ, et al. **Res Vet Sci** 1983 Sep;35(2):130–7

Serological response of turkey hens to vaccination with Salmonella hadar and its effect on their subsequently challenged embryos and poults. Thain JA, et al. **Res Vet Sci** 1984 May;36(3):320–5

Immunologic basis for mouse protection provided by high-molecular-weight polysaccharide from immunotype 1 Pseudomonas aeruginosa. Markham RB, et al. **Rev Infect Dis** 1983 Nov–Dec;5 Suppl 5:S957–62

Opsonic and antibody responses to pneumococcal polysaccharide types 6A, 19F and 23F after vaccination of immunocompromised patients. Braconier JH, et al. **Scand J Infect Dis** 1984;16(2):161–7

Immunization and immunity. Sears PM. **Vet Clin North Am [Large Anim Pract]** 1984 Jul;6(2):391–8

Vaccine for the control of vibriosis in eels. Austin B. **Vet Rec** 1983 Oct 22;113(17):394–5

Vaccination against enzootic abortion in ewes [letter] Prydie J. **Vet Rec** 1984 Mar 24;114(12):304

Immunogenicity of a soluble antigen against Pasteurella haemolytica-associated pneumonia in calves. Matsumoto M, et al. **Vet Res Commun** 1984 May;8(2):117–30

Some electron microscopy characteristics of lung immune response in the rats stimulated by respiratory and parenteral ways with pneumococcal suspensions. Gădăleanu V, et al. **Z Mikrosk Anat Forsch** 1983;97(5):873–85

[Prevention of colibacillosis in pigs with CA-80 polyvalent vaccine] Boiadzhiev S, et al. **Vet Med Nauki** 1983;20(7):3–8 (Eng. Abstr.) **(Bul)**

[Immunogenesis of 2 live vaccines against swine colibacillosis] Van ChK. **Vet Med Nauki** 1984;21(1):22–8 (Eng. Abstr.) **(Bul)**

[efficacy of the polysaccharide vaccine of Neisseria meningitidis group A] Yuan CD. **Chun Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1983 Aug; 4(4):207–10 (Eng. Abstr.) **(Chi)**

[Preparation of a live Shigella vaccine using T32 strain (Roumania) in a form of popsicle and observation of its prophylactic efficacy] Zhao B. **Chun Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1983 Aug; 4(4):230–2 (Eng. Abstr.) **(Chi)**

[Vaccination in pneumococcal and pseudomonas infections] Liu BK. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1983 Oct;6(5):315–6 **(Chi)**

[Antibody formation in rabbits after vaccination with Streptococcus pyogenes cultured in the presence of subinhibitory concentrations of erythromycin] Ferne M, et al. **Pathol Biol (Paris)** 1984 May;32(5):369–71 (Eng. Abstr.) **(Fre)**

[Immunogenicity and pathogenicity factors of Corynebacterium pyogenes. 1. Trials of immunity development against Corynebacterium pyogenes infections in the mouse model] Durner K, et al. **Arch Exp Veterinarmed** 1983 Jul;37(4):541–7 (Eng. Abstr.) **(Ger)**

[Results of preclinical testing of a temperature-sensitive Pasteurella multocida serotype B mutant] Schimmel D.

Arch Exp Veterinarmed 1984 Mar;38(2):278–82 (Eng. Abstr.) **(Ger)**

[Pneumococcal vaccination in geriatrics] Wiedermann G. **Fortschr Med** 1984 Mar 29;102(12):333–5 (Eng. Abstr.) **(Ger)**

[Meningococcal meningitis: preliminary epidemiological results on the introduction of a prophylactic vaccine] Galli MG. **G Batteriol Virol Immunol** 1982 Jul–Dec; 75(7–12):251–4 (Eng. Abstr.) **(Ita)**

[Functional state of the body of the donors immunized with various antigens] Demidova NV. **Gematol Transfuziol** 1983 Jul;28(7):41–3 (Eng. Abstr.) **(Rus)**

[Immunological effectiveness of a dried group-A meningococcal polysaccharide vaccine] Alliluev AP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Mar;(3):106–12 (Eng. Abstr.) **(Rus)**

[Immunological activity and toxicity of a peroral vaccine made from mutant Re Salmonella minnesota] Apollonin AV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Mar; (3):78–82 (Eng. Abstr.) **(Rus)**

[Comparative immunomorphological study of the immunogenic activity of dysentery vaccines produced by different methods] Belaia IuA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Jul;(7):64–70 (Eng. Abstr.) **(Rus)**

[Genetics of the immune response of karakul sheep vaccinated with colibacillosis and salmonellosis vaccines. II. An analysis of the intensity of the immune response in 1st-generation hybrids] Dushanov AD, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Oct;(10):77–9 (Eng. Abstr.) **(Rus)**

[Choleragen-anatoxin chemical cholera vaccine enriched with Ogawa O-antigen] Dzhaparidze MN, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Apr;(4):70–4 (Eng. Abstr.) **(Rus)**

[Experimental study of the immunogenicity of a monopreparation of Klebsiella pneumoniae antigen complex and its association with Staphylococcus, Proteus and Escherichia coli antigens] Egorova NB, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Jan;(1):35–8 (Eng. Abstr.) **(Rus)**

[Immunogenicity of a vaccine made from soluble Proteus antigens] Levina LA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Nov;(11):78–83 (Eng. Abstr.) **(Rus)**

[Immunogenicity of inactivated Klebsiella ozaenae cultures in relation to the properties and methods of culturing and preserving the initial strains] Molochko VA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 May;(5):99–103 (Eng. Abstr.) **(Rus)**

[Protective properties of Proteus ribosomal vaccine] Ovetchin PV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Jan;(1):19–23 (Eng. Abstr.) **(Rus)**

[Immunologic principles of new vaccines and methods of bacterial diagnosis (editorial)] Grinstein S, et al. **Medicina (B Aires)** 1983;43(3):348–9 **(Spa)**

ISOLATION & PURIFICATION

Isolation of Haemophilus somnus antigens and their use as vaccines for prevention of bovine thromboembolic meningoencephalitis. Stephens LR, et al. **Am J Vet Res** 1984 Feb;45(2):234–9

[Chromosome markers of drug resistance as the selectors of potential vaccinal strains] Bondarenko VM, et al. **Antibiotiki** 1984 Feb;29(2):124–6 (Eng. Abstr.) **(Rus)**

[Vaccine from soluble antigens for the specific therapy of Proteus infection] Kreinin LS, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Oct;(10):88–92 (Eng. Abstr.) **(Rus)**

[Degree of purification of a chemical epidemic typhus vaccine of the heterogeneous ballast proteins] Maksimova GA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Aug; (8):93–8 (Eng. Abstr.) **(Rus)**

[Prospects for the development of an anti-adhesive vaccine against strains of Escherichia coli causing diarrhea in humans (3)] Cravioto A. **Bol Med Hosp Infant Mex** 1984 May;41(5):253–61 (197 ref.) (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

Effect of interferon and polyvalent bacterial vaccine on histamine release from sensitized mouse mastocytes. Jankowska R, et al. **Arch Immunol Ther Exp (Warsz)** 1984; 32(1):9–17

Antiviral effects of Corynebacterium parvum and its effect on the interferon system in mice. Kirchner H, et al. **Behring Inst Mitt** 1984 May;(74):183–8

Evaluation of test immunisation in the assessment of antibody deficiency syndromes. Webster AD, et al. **Br Med J [Clin Res]** 1984 Jun 23;288(6434):1864–6

Studies on natural killer cell activity and the influence of Corynebacterium parvum on murine T-cell leukemogenesis induced by butylnitrosourea. Seidel HJ, et al. **J Cancer Res Clin Oncol** 1984;107(3):199–205

Concomitant induction of an inflammatory response and immunosuppression by an extract from Listeria monocytogenes. Otokunefor TV, et al. **J Leukocyte Biol** 1984 Feb;35(2):143–56

Effectiveness of immunization with multicomponent vaccines in protection against hemorrhagic pneumonia due to Pseudomonas aeruginosa infection in mink. Homma JY, et al. **Rev Infect Dis** 1983 Nov–Dec;5 Suppl 5:S858–66

Efficacy of cell wall Pseudomonas aeruginosa vaccines for protection against experimental pneumonia. Pennington JE, et al. **Rev Infect Dis** 1983 Nov–Dec;5 Suppl 5:S852–7

Non-specific immunization against bovine tropical theileriosis (Theileria annulata) using killed Corynebacterium parvum. Manickam R, et al. **Vet Parasitol** 1983 Sep;13(2):115–9

[Effect of antimicrobial vaccination in the prevention of infectious episodes of chronic bronchial diseases (bacterial suspension, ribosomal extracts, placebo)] Tessier JF, et al. **Rev Fr Mal Respir** 1980;8(3):239–46 (Eng. Abstr.) **(Fre)**

STANDARDS

[Methods of evaluating antibody response after oral vaccination with killed enteropathogenic strains of E. coli] Santiano M, et al. **G Ital Chemioter** 1984 Jan–Aug; 31(1–2):201–3 **(Ita)**

THERAPEUTIC USE

Clinical Phase I investigation of intravenous oil attached mycobacterial components as immunotherapeutic agents. Vosika G, et al. **Adv Exp Med Biol** 1983;166:159–69

The long term efficacy of a hardjo-pomona vaccine in preventing leptospiruria in cattle exposed to natural challenge with Leptospira interrogans serovar hardjo. Hancock GA, et al. **Aust Vet J** 1984 Feb;61(2):54–6

Randomized clinical trial of non-specific immunotherapy with cell-wall skeleton of Nocardia rubra. Yasumoto K, et al. **Biomed Pharmacother** 1984;38(1):48–54

Moderate to high dose cyclophosphamide and intercalated Corynebacterium parvum in patients with metastatic lung cancer. Thatcher N, et al. **Br J Dis Chest** 1984 Jan; 78(1):89–97

Adjuvant immunotherapy with nonviable Mycobacterium smegmatis in resected primary lung carcinoma. A randomized clinical trial of 219 patients. Decroix G, et al. **Cancer** 1984 Feb 15;53(4):906–12

A phase-II trial of Corynebacterium parvum as adjuvant to surgery in the treatment of operable lung cancer. Woodruff M, et al. **Cancer Immunol Immunother** 1983;16(2):114–6

Pneumococcal vaccine in elderly patients with COPD. Landesman SH, et al. **Chest** 1983 Oct;84(4):433–5

Cryosurgery and anaerobic corynebacterium vaccine in disseminated lung cancer. Report of 50 cases. Xie DY, et al. **Chin Med J [Engl]** 1983 Sep;96(9):691–4

Coparvax for malignant effusion? **Drug Ther Bull** 1983 Oct 7;21(20):79–80

Trichomoniasis. Scientific papers of the Symposium on Trichomoniasis, Basle, October 20, 1981. **Gynakol Rundsch** 1983;23 Suppl 2:1–91

The therapeutic and prophylactic efficacy of SolcoTrichovac in women with trichomoniasis. Investigations in Cairo. Elokda HH, et al. **Gynakol Rundsch** 1983;23 Suppl 2:85–8

Effects of vaccination with SolcoTrichovac on the vaginal flora and the morphology of the Doederlein bacilli. Goisis M, et al. **Gynakol Rundsch** 1983;23 Suppl 2:56–63

SolcoTrichovac in the prophylaxis of trichomonad reinfection. A randomized double-blind study. Litschgi M. **Gynakol Rundsch** 1983;23 Suppl 2:72–6

Clinical experience using SolcoTrichovac in the treatment of trichomonas infections in women. Lorenz U, et al. **Gynakol Rundsch** 1983;23 Suppl 2:64–71

Changes in the vaginal flora of trichomoniasis patients after vaccination with SolcoTrichovac. Milovanović R, et al. **Gynakol Rundsch** 1983;23 Suppl 2:50–5

IgA antibodies in the vaginal secretion after vaccination with SolcoTrichovac. Milovanović R, et al. **Gynakol Rundsch** 1983;23 Suppl 2:46–9

Vaccination with SolcoTrichovac. Immunological aspects of a new approach for therapy and prophylaxis of trichomoniasis in women. Pavić R, et al. **Gynakol Rundsch** 1983;23 Suppl 2:27–38

SolcoTrichovac in medical practice. An open, multicentre study to investigate the antitrichomonal vaccine SolcoTrichovac. Rippmann ET. **Gynakol Rundsch** 1983;23 Suppl 2:77–84

Chemotherapy and corynebacterium parvum for induction and maintenance of remission in acute myelogenous leukaemia—a controlled study. Shetty PA, et al. **Indian J Cancer** 1983 May–Jun;20(2):119–23

Type 1 pili (F1) of porcine enterotoxigenic Escherichia coli: vaccine trial and tests for production in the small intestine during disease. To SC, et al. **Infect Immun** 1984 Jan; 43(1):1–5

Investigations related to the development of a leprosy vaccine. Convit J, et al. **Int J Lepr** 1983 Dec;51(4):531–9

The use of an autogenous vaccine in the treatment of sternal wound infections following open heart procedures: a preliminary report. Livi U, et al. **Ital J Surg Sci** 1984; 14(1):17–20

Clinical immunotherapy trials of bacterial components derived from Mycobacteria and Nocardia. Vosika GJ. **J Biol Response Mod** 1983;2(4):321–42 (58 ref.)

Pneumococcal vaccine in asplenic children. Ehrengut W. **Klin Padiatr** 1984 Jan–Feb;196(1):58–9

Experimental and clinical results of application of antitumor vaccines obtained by means of bacterial metabolism. Zatula DG. **Neoplasma** 1984;31(1):65–74

Treatment of advanced ovarian malignancy with chemoimmunotherapy using autologous tumor and Corynebacterium parvum. Gusdon JP Jr, et al. **Obstet Gynecol** 1983 Dec;62(6):728–35

The inefficacy of polivalent Pasteurella multocida vaccines for sheep. Cameron CM, et al. **Onderstepoort J Vet Res** 1983 Jun;50(2):101–4

Assessment of the effectiveness of antipseudomonas biological management in the control of infection in burn patients. Gonzáles Ayala SE, et al. **Panminerva Med** 1983 Jul–Sep;25(3):203–8

Utilization of antipiocianaeus and antistaphylococcus vaccine in the treatment of the severe burned patients. Rossi R, et al. **Panminerva Med** 1983 Jul–Sep;25(3):167–8

Application of S. faecalis and E. coli oral vaccines in humans and animals. Rusch V, et al. **Prog Food Nutr Sci** 1983; 7(3–4):39–52

[Treatment of gastrointestinal infections by the administration of a mixture of selected, inactivated strains of enteropathogenic E. coli in premature children and infants] Zádníková R, et al. **Cesk Pediatr** 1983 Oct;38(10):577–84 (Eng. Abstr.) **(Cze)**

[A field experiment using E. coli-K99 vaccine] Wentink GH, et al. **Tijdschr Diergeneeskd** 1984 Mar 15;109(6):242–4 (Eng. Abstr.) **(Dut)**

[Immunoprophylaxis of streptococcal infections in suckling piglets—testing of a streptococcal-staphylococcal adsorbate vaccine for vaccination of sows in advanced pregnancy] Schöll W, et al. **Arch Exp Veterinarmed** 1983 Jul;37(4):511–26 (Eng. Abstr.) **(Ger)**

[Effect of lactobacillus immunotherapy on genital infections in women (Solco Trichovac/Gynatren)] Karkut G. **Geburtshilfe Frauenheilkd** 1984 May;44(5):311–4 (Eng. Abstr.) **(Ger)**

[Infection prevention following splenectomy: protective effect of a new 17-valent pneumococcal vaccine] Tillmann W, et al. **Monatsschr Kinderheilkd** 1983 Dec;131(12):848–52 (Eng. Abstr.) **(Ger)**

[Failure of pneumococcal vaccine to prevent pneumococcal meningitis] Aker M, et al. **Harefuah** 1983 Oct 2;105(7):164 (Eng. Abstr.) **(Heb)**

[Effect of adjuvant immunotherapy with Nocardia rubra cell-wall skeleton in lung cancer] Yasumoto K, et al. **Nippon Geka Gakkai Zasshi** 1983 Apr;84(4):321–7 (Eng. Abstr.) **(Jpn)**

[Immunotherapy with monovalent Pseudomonas aeruginosa vaccine in chronic bronchopulmonary infections] Popescu C, et al. **Rev Ig [Pneumoftiziol]** 1983 Jul–Sep;32(3):261–72 (Eng. Abstr.) **(Rum)**

[Analysis of the composition of cell-bound immune complexes by the ELISA method in patients receiving gonovaccine] Navol'nev SO. **Vestn Dermatol Venerol** 1983 Nov;(11):23–7 (Eng. Abstr.) **(Rus)**

[Protective action of a vaccine made from Salmonella minnesota R 595 in the intranasal infection of mice with P. aeruginosa] Apollonin AV. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Jul;(7):73–7 (Eng. Abstr.) **(Rus)**

[Prospects for the elaboration of an anti-adhesive vaccine against Escherichia coli strains causing diarrhea in humans. 2] Cravioto A. **Bol Med Hosp Infant Mex** 1984 Apr; 41(4):188–96 **(Spa)**

BACTERIAL WARFARE see **BIOLOGICAL WARFARE**

BACTERIOCHLOROPHYLLS see under **CHLOROPHYLL**

BACTERIOCINS

Klebocin typing of Klebsiella pneumoniae strains isolated from patients undergoing open-heart & brain surgery. Shanmugam J, et al. **Indian J Med Res** 1983 Oct;78:471–6

Biochemical relationship among three F-type pyocins, pyocin F1, F2, and F3, and phage KF1. Kuroda K, et al. **J Biochem (Tokyo)** 1983 Nov;94(5):1429–41

The effect of defocusing on the electron microscopic image of the extended particle of pyocin R1. Takeda Y, et al. **J Biochem (Tokyo)** 1983 Sep;94(3):1013–6

Determination and use of test dilution of klebocins for typing of Klebsiella pneumoniae. Ichhpujani RL, et al. **J Commun Dis** 1983 Mar;15(1):33–5

ANALYSIS

Influence of blood cells on the expression of bacteriocin-like activity in Neisseria meningitidis. Jyssum K, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1983 Aug; 91(4):245–50

Biological and biochemical characteristics of vibriocins. Dastidar SG, et al. **Indian J Exp Biol** 1984 Jan;22(1):25–31

Inhibitor production by group-G streptococci of human and of animal origin. Tagg JR, et al. **J Med Microbiol** 1983 Nov;16(4):409–15

New possibilities of staphylococcin detection in the exfoliatin-producing strains of staphylococcus aureus. Skalka B, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Mar;254(1):34–41

[Typing of Bacteroides fragilis by bacteriocin production] Hor LI, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1984 May;17(2):81–5 (Eng. Abstr.) **(Chi)**

BIOSYNTHESIS

Bacterial interference and toxic shock syndrome [letter] Tagg JR, et al. **Ann Intern Med** 1983 Dec;99(6):879–80

Production of a bacteriocin, ulceracin 378, by Corynebacterium ulcerans. Abrehem K, et al. **Antimicrob Agents Chemother** 1983 Aug;24(2):262–7

Characterization of Lactobacillus sp. strain 100–37 from the murine gastrointestinal tract: ecology, plasmid content, and antagonistic activity toward Clostridium ramosum H1. McCormick EL, et al. **Appl Environ Microbiol** 1983 Nov; 46(5):1103–12

Isolation of a Streptococcus mutans strain producing a novel bacteriocin. Hillman JD, et al. **Infect Immun** 1984 Apr; 44(1):141–4

Revised pyocin typing method for Pseudomonas aeruginosa. Fyfe JA, et al. **J Clin Microbiol** 1984 Jul;20(1):47–50

Production of bacteriocin-like inhibitors by group A streptococci of nephritogenic M types. Tagg JR. **J Clin Microbiol** 1984 Jun;19(6):884–7

Studies on bacteriocin production by NAG-strains of Vibrio cholerae as a possible epidemiological marker. Israil AM, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Sep; 255(2–3):285–93

Evaluation of a typing scheme for group A streptococci based upon bacteriocin-like inhibitor production. Tagg JR, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 May; 257(1):60–7

[Bacteriocinogenicity of brucellae isolated in foci in the Caucasus and their evaluation from taxonomic viewpoints] Tiumentseva IS, et al. **Antibiotiki** 1984 Jan;29(1):29–32 (Eng. Abstr.) **(Rus)**

[Detection and characterization of the plasmids of the plague microbe which determine the synthesis of pesticin I, fraction I antigen and 'mouse' toxin exotoxin] Protsenko OA, et al. **Genetika (Moskva)** 1983 Jul;19(7):1081–90 (Eng. Abstr.) **(Rus)**

[Bacteriocinogenic plasmids of Bacillus thuringiensis] Riabchenko NF, et al. **Genetika (Moskva)** 1984 Jul; 20(7):1067–70 (Eng. Abstr.) **(Rus)**

[Bacteriocinogeny of staphylococci] Ivanov NA. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Sep;(9):3–7 (67 ref.) **(Rus)**

CLASSIFICATION

[Pyocin typing of Pseudomonas aeruginosa strains] Moroz AF, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Jan; (1):31–5 (Eng. Abstr.) **(Rus)**

DIAGNOSTIC USE

[Pyocin typing of Pseudomonas aeruginosa from the urinary tract] Yumul C. **Mikrobiyol Bul** 1983 Jul;17(3):198–203 **(Tur)**

GENETICS

Deletion mutants of megacinogenic plasmid pBM309 from Bacillus megaterium. Riabchenko NF, et al. **Gene** 1983 Nov;25(1):67–70

Mutagenesis of extrachromosomal genetic determinants for exfoliative toxin B and bacteriocin R1 synthesis in Staphylococcus aureus after plasmid transfer by protoplast fusion. Masterson R, et al. **Infect Immun** 1983 Dec; 42(3):973–9

Conjugal transfer and characterization of bacteriocin plasmids in group N (lactic acid) streptococci. Neve H, et al. **J Bacteriol** 1984 Mar;157(3):833–8

Genetic determinant of pyocin AP41 as an insert in the Pseudomonas aeruginosa chromosome. Sano Y, et al. **J Bacteriol** 1984 May;158(2):562–70

Phenotypic mixing of pyocin R2 and bacteriophage PS17 in Pseudomonas aeruginosa PAO. Shinomiya T. **J Virol** 1984 Feb;49(2):310–4

Structure and regulation of gene expression of a Clo DF13 plasmid DNA region involved in plasmid segregation and incompatibility. van den Elzen PJ, et al. **Nucleic Acids Res** 1983 Dec 20;11(24):8791–808

ISOLATION & PURIFICATION

Isolation and preliminary characterization of Streptococcus cremoris (strain 202) bacteriocin. Zajdel JK, et al. **Acta Microbiol Pol** 1983;32(2):119–29

Purification and properties of a cell-bound bacteriocin from a Bacteroides fragilis strain. Southern JA, et al. **Antimicrob Agents Chemother** 1984 Feb;25(2):253–7

Evidence for a membrane-bound form of a bacteriocin of Bacteroides uniformis Tl-1. Austin-Prather SL, et al. **Can J Microbiol** 1984 Feb;30(2):268–72

Preliminary characterization of inhibitors of Neisseria gonorrhoeae produced in vitro by Eubacterium limosum. Morin A, et al. **Can J Microbiol** 1984 Feb;30(2):251–9

M-type 57 group A streptococcus bacteriocin. Simpson WJ, et al. **Can J Microbiol** 1983 Oct;29(10):1445–51

Comparative evaluation of typing methods of clinical isolates of Pseudomonas aeruginosa. Agarwal SK, et al. **Indian J Med Res** 1983 Aug;78:196–200

Evaluation of two new producer strains in differentiating Klebsiella pneumoniae. Sabherwal U, et al. **Indian J Med Res** 1983 Aug;78:193–5

[Isolation, purification and physicochemical properties of pesticin I from cells of Yersinia pestis strain EV] Goncharov EK, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Jun;(6):41–4 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Identification of an envelope mutation (env-10) resulting in increased antibiotic susceptibility and pyocin resistance in a clinical isolate of Neisseria gonorrhoeae. Shafer WM, et al. **Antimicrob Agents Chemother** 1984 Jun;25(6):767–9

Studies on the mode of action of a bacteriocin produced by Bacillus stearothermophilus. Fikes JD, et al. **Can J Microbiol** 1983 Nov;29(11):1576–82

Chemical and immunochemical studies on lipopolysaccharides from pyocin 103-sensitive and -resistant Neisseria gonorrhoeae. Connelly MC, et al. **Carbohydr Res** 1983 Aug 16;120:171–86

Klebocin type and diarrheagenicity of Klebsiella pneumoniae. Ichhpujani RL, et al. **Indian J Med Res** 1983 May;77:605–7

Klebocin types in urinary and purulent fluid isolates of Klebsiella pneumoniae. Kaur I, et al. **Indian J Med Res** 1983 May;77:599–601

Klebocin types & antimicrobial resistance of clinical isolates of Klebsiella pneumoniae at Bombay. Telang VP, et al. **Indian J Med Res** 1983 Sep;78:331–6

Typing of Enterobacter spp. by bacteriocin susceptibility and its use in epidemiological analysis. Bauernfeind A, et al. **J Clin Microbiol** 1984 Jul;20(1):70–3

Thermosensitivity of klebocin types of Klebsiella pneumoniae. Bhatia R, et al. **J Commun Dis** 1983 Jun; 15(2):86–8

Alteration of pyocin-sensitivity pattern of Neisseria gonorrhoeae is associated with induced resistance to killing by human serum. Winstanley FP, et al. **J Gen Microbiol** 1984 May;130 (Pt 5):1303–6

[Phenotypic relations with regard to pyocin sensitivity, of 191 strains of Pseudomonas aeruginosa isolated in a hospital environment] Santini G, et al. **Boll Ist Sieroter Milan** 1983 Jul;62(3):242–6 (Eng. Abstr.) **(Ita)**

PHYSIOLOGY

Pyocin R1 inhibits active transport in Pseudomonas aeruginosa and depolarizes membrane potential. Uratani Y, et al. **J Bacteriol** 1984 Feb;157(2):632–6

Biological properties of a plaque-inducing agent obtained from Acholeplasma oculi. Ichimaru H, et al. **Yale J Biol Med** 1983 Sep-Dec;56(5–6):761–3

THERAPEUTIC USE

[Use of immunoactive treatment in the therapy of chronic osteomyelitis] Karpaš K, et al. **Acta Chir Orthop Traumatol Cech** 1983 Aug;50(4):378–82 (Eng. Abstr.) **(Cze)**

[Prospects for using bacteriocins for the prevention and therapy of infections] Blinova LP. **Zh Mikrobiol Epidemiol Immunobiol** 1984 May;(5):10–4 (48 ref.) **(Rus)**

TOXICITY

Mode of inhibitory action of a bacteriocin produced by Streptococcus mutans C3603. Takada K, et al. **Infect Immun** 1984 May;44(2):370–8

BACTERIOLOGICAL TECHNICS

see related

CULTURE MEDIA

Survival of Campylobacter jejuni in different media and faeces at different temperatures and times of preservation. Valdés-Dapena Vivanco MM, et al. **Acta Microbiol Hung** 1983;30(1):69–74

Evaluation of the Anaerobe-Tek system for the identification of Bacteroides and Fusobacterium species. Vege A, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1983 Oct; 91(5):371–2

Phagocytosis of Staphylococcus aureus by human leukocytes: quantitation by a flow cytometric and a microbiological method. Bassøe CF, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1984 Feb; 92(1):43–50

Presumptive identification of Staphylococcus saprophyticus from urine specimens by colony appearance and coagulase testing: an evaluation. Loo SY, et al. **Am J Clin Pathol** 1984 May;81(5):647–50

Urine screening strategy employing dipstick analysis and selective culture: an evaluation. Loo SY, et al. **Am J Clin Pathol** 1984 May;81(5):634–42

Evaluation of the MS-2 and Lumac systems for the rapid screening of urine specimens. Welch WD, et al. **Am J Clin Pathol** 1984 May;81(5):629–33

Throat cultures for group A beta-hemolytic Streptococcus. Importance of anaerobic incubation. Belli DC, et al. **Am J Dis Child** 1984 Mar;138(3):274–6

Evaluation of the string test in intestinal bacterial overgrowth. Liebman WM, et al. **Am J Dis Child** 1983 Dec;137(12):1177–8

Gram's stains of tracheal secretions predict neonatal bacteremia. Sherman MP, et al. **Am J Dis Child** 1984 Sep; 138(9):848–50

An evaluation of the novobiocin disc diffusion method for identifying clinical isolates of Staphylococcus saprophyticus. Ducate MJ, et al. **Am J Med Technol** 1983 Jul;49(7):509–12

Evaluation of a rapid method for the detection of vaginal group B streptococci in women in labor. Reardon EP, et al. **Am J Obstet Gynecol** 1984 Mar 1;148(5):575–8

Replication of lyophilized and cultured BCG in human macrophages. Crowle AJ, et al. **Am Rev Respir Dis** 1983 Oct;128(4):673–9

Epidemiology of infection by nontuberculous mycobacteria. IV. Preferential aerosolization of Mycobacterium intracellulare from natural waters. Parker BC, et al. **Am Rev Respir Dis** 1983 Oct;128(4):652–6

Adenosine phosphorylase activity as a technique for detection of mycoplasmas in biological media. Bonissol C, et al. **Ann Microbiol (Paris)** 1984 Jan-Feb;135A(1):63–72

Comparison of methods for recovery of Escherichia coli and Staphylococcus aureus from seeded laundry fabrics. Cody HJ, et al. **Appl Environ Microbiol** 1984 May;47(5):965–70

Preservation of Rhizobium viability and symbiotic infectivity by suspension in water. Crist DK, et al. **Appl Environ Microbiol** 1984 May;47(5):895–900

DNA-DNA hybridization assay for detection of Salmonella spp. in foods. Fitts R, et al. **Appl Environ Microbiol** 1983 Nov;46(5):1146–51

Microplate fecal coliform method to monitor stream water pollution. Maul A, et al. **Appl Environ Microbiol** 1983 Nov; 46(5):1032–7

Simple screening method for isolation of penicillin acylase-producing bacteria. Meevootisom V, et al. **Appl Environ Microbiol** 1983 Nov;46(5):1227–9

A selective medium for the two major subgroups of the bacterium Streptococcus mutans isolated from human dental plaque and saliva. Van Palenstein Helderman WH, et al. **Arch Oral Biol** 1983;28(7):599–603

Fluorescence of Mycobacterium leprae. Padilla MA, et al. **Bol Asoc Med PR** 1984 May;76(5):207–9

A simple suggestion to distinguish between auxotypes of Neisseria gonorrhoeae [letter] Franczyk JA, et al. **Br J Vener Dis** 1984 Apr;60(2):133–4

Survival of Chlamydia trachomatis in different transport media and at different temperatures: diagnostic implications. Tjiam KH, et al. **Br J Vener Dis** 1984 Apr; 60(2):92–4

Differentiation of gonococcal and non-gonococcal neisseriae by the superoxol test. Young H, et al. **Br J Vener Dis** 1984 Apr;60(2):87–9

Use of an anaerobic culture jar in processing pediatric throat cultures. Hayden GF, et al. **Clin Pediatr (Phila)** 1984 Apr; 23(4):224–7

Use of and cost savings with morphologic criteria and the spot indole test as a routine means of identification of Escherichia coli. Bale MJ, et al. **Diagn Microbiol Infect Dis** 1984 Jun;2(3):187–91

Use of a bronchoscopic protected catheter technique in the clinical evaluation of a new antibiotic. Bass JB Jr, et al. **Diagn Microbiol Infect Dis** 1983 Jun;1(2):95–106

A pseudoepidemic due to Salmonella typhimurium. Harris AA, et al. **Diagn Microbiol Infect Dis** 1983 Dec;1(4):335–7

Initial detection of bacteremia by subculture of unvented tryptic soy broth blood culture bottles. Henry NK, et al. **Diagn Microbiol Infect Dis** 1984 Apr;2(2):107–11

Effects of atmosphere of incubation on recovery of bacteria and yeasts from blood cultures in Tryptic soy broth. Ilstrup DM, et al. **Diagn Microbiol Infect Dis** 1983 Sep;1(3):215–9

A comparison of four methods for detecting beta-lactamase in anaerobic bacteria. Lee DT, et al. **Diagn Microbiol Infect Dis** 1983 Jun;1(2):173–5

Methanol fixation. An alternative to heat fixation of smears before staining. Mangels JI, et al. **Diagn Microbiol Infect Dis** 1984 Apr;2(2):129–37

Use of the API 20E, Oxi/Ferm, and Minitek systems to identify nonfermentative and oxidase-positive fermentative bacteria: seven years of experience. Oberhofer TR. **Diagn Microbiol Infect Dis** 1983 Sep;1(3):241–56

Use of the Becton-Dickinson urine culture tube with the Abbott MS-2 urine screening system. Southern PM Jr, et al. **Diagn Microbiol Infect Dis** 1984 Jun;2(3):193–8

Performance of two four-hour identification systems with atypical strains of Enterobacteriaceae. Altwegg M. **Eur J Clin Microbiol** 1983 Dec;2(6):529–33

Enzyme-linked lectinosorbent assay (ELLA) for detecting Bacillus anthracis. Graham K, et al. **Eur J Clin Microbiol** 1984 Jun;3(3):210–2

Four-hour direct identification of Enterobacteriaceae in blood cultures [letter] Mounier M, et al. **Eur J Clin Microbiol** 1983 Dec;2(6):593–5

A modified method for differentiation of Haemophilus influenzae from Haemophilus parainfluenzae [letter] Santanam P. **Eur J Clin Microbiol** 1984 Apr;3(2):150–1

The impedance method for monitoring total coliforms in wastewaters. Part I. Background and methodology. Strauss WM, et al. **Folia Microbiol (Praha)** 1984;29(2):162–9

The impedance method for monitoring total coliforms in wastewaters. Part II. Results and evaluation. Tenpenny JR, et al. **Folia Microbiol (Praha)** 1984;29(2):170–80

Enumeration of microorganisms by their dynamic ac conductance patterns. Eden G, et al. **IEEE Trans Biomed Eng** 1984 Feb;31(2):193–8

Klebocin typing of Klebsiella pneumoniae strains isolated from patients undergoing open-heart & brain surgery. Shanmugam J, et al. **Indian J Med Res** 1983 Oct;78:471–6

Deoxyribonuclease & heat stable nuclease tests for identification of Staphylococcus aureus. Talwar V, et al.

Indian J Med Res 1984 Jan;79:19–21

Phenotypic variation and modulation in Bordetella bronchiseptica. Peppler MS, et al. **Infect Immun** 1984 Jun; 44(3):681–7

Cefoxitin disc induction of latamoxef (moxalactam) resistance [letter] Levin MH, et al. **J Antimicrob Chemother** 1983 Nov; 12(5):524–5

A new direct plate method for the enumeration of Escherichia coli in frozen foods. Hall LP. **J Appl Bacteriol** 1984 Apr;56(2):227–35

Evaluation of a cup scrub technique for quantification of the microbial flora on bovine skin. Lloyd DH. **J Appl Bacteriol** 1984 Feb;56(1):103–7

Methods for the direct and indirect assessment of the bacterial content of milk. O'Toole DK. **J Appl Bacteriol** 1983 Oct; 55(2):187–201 (137 ref.)

Comparison of direct and indirect immunoradiometric assays (IRMA) for Bacillus anthracis spores immobilised on multispot microscope slides. Phillips AP, et al. **J Appl Bacteriol** 1983 Oct;55(2):315–24

A comparison of contact plate and calcium alginate swab techniques for quantitative assessment of bacteriological contamination of environmental surfaces. Scott E, et al. **J Appl Bacteriol** 1984 Apr;56(2):317–20

Genetic methods for the detection of microbial pathogens. Identification of enterotoxigenic Escherichia coli by DNA colony hybridization: collaborative study. Hill WE, et al. **J Assoc Off Anal Chem** 1984 Jul–Aug;67(4):801–7

Genetic transformation of Bacillus brevis 47, a protein-secreting bacterium, by plasmid DNA. Takahashi W, et al. **J Bacteriol** 1983 Dec;156(3):1130–4

Adhesion of cells to polystyrene surfaces. Curtis AS, et al. **J Cell Biol** 1983 Nov;97(5 Pt 1):1500–6

Comparison of rapid identification assays for Staphylococcus aureus. Aldridge KE, et al. **J Clin Microbiol** 1984 May; 19(5):703–4

Evaluation of the automicrobic system gram-positive identification card for species identification of coagulase-negative staphylococci. Almeida RJ, et al. **J Clin Microbiol** 1983 Aug;18(2):438–9

Identification of coagulase-negative staphylococci with the API STAPH-IDENT system. Almeida RJ, et al. **J Clin Microbiol** 1983 Aug;18(2):254–7

Comparative evaluation of the API 20S system and the automicrobic system gram-positive identification card for species identification of streptococci. Appelbaum PC, et al. **J Clin Microbiol** 1984 Feb;19(2):164–8

Evaluation of the rapid strep system for species identification of streptococci. Appelbaum PC, et al. **J Clin Microbiol** 1984 May;19(5):588–91

Detection of Streptococcus pneumoniae in lower respiratory tract specimens by anaerobic culture technique. Baesman RK, et al. **J Clin Microbiol** 1984 Apr;19(4):550–1

Comparison of various methods for differentiation of staphylococci and micrococci. Baker JS. **J Clin Microbiol** 1984 Jun;19(6):875–9

Pseudobacteremia due to contaminated alcohol swabs. Berger SA. **J Clin Microbiol** 1983 Oct;18(4):974–5

Evaluation of the CampyPak II gas generator system for isolation of Campylobacter fetus subsp. jejuni. Buck GE, et al. **J Clin Microbiol** 1982 Jan;15(1):41–2

Clinical comparison of the Isolator 1.5 microbial tube and the BACTEC radiometric system for detection of bacteremia in children. Carey RB. **J Clin Microbiol** 1984 May;19(5):634–8

Simple staining procedure permits rapid counting of mycoplasma colonies. Cluss RG, et al. **J Clin Microbiol** 1984 Apr;19(4):543–5

Use of the Autobac IDX system for rapid identification of Enterobacteriaceae and nonfermentative gram-negative bacilli. Costigan WJ, et al. **J Clin Microbiol** 1984 Feb; 19(2):301–2

Granada medium for detection and identification of group B streptococci. De La Rosa M, et al. **J Clin Microbiol** 1983 Oct;18(4):779–85

Development of a test system for rapid differentiation of Neisseria and Haemophilus spp. Eriquez LA, et al. **J Clin Microbiol** 1983 Nov;18(5):1032–9

Cost-effective method of triple-site culturing for Neisseria gonorrhoeae. Gartner T, et al. **J Clin Microbiol** 1984 Jun; 19(6):949–51

Comparison of the API Staph-Ident and DMS Staph-Trac systems with conventional methods used for the identification of coagulase-negative staphylococci. Giger O, et al. **J Clin Microbiol** 1984 Jan;19(1):68–72

Clinical comparison of the AutoMicrobic system gram-positive identification card, API Staph-Ident, and conventional methods in the identification of coagulase-negative Staphylococcus spp. Grasmick AE, et al. **J Clin Microbiol** 1983 Dec;18(6):1323–8

Evaluation of the 24-h API 20A anaerobe system for identification of Clostridium difficile. Gresser ME, et al. **J Clin Microbiol** 1984 Jun;19(6):915–6

Routine use of BACTEC 16B bottles to remove antibacterial and antitumor agents from blood cultures of cancer patients. Hopfer RL, et al. **J Clin Microbiol** 1983 Oct; 18(4):759–64

Development and evaluation of a coculture technique for identification of anaerobic organisms. Hussain Z, et al. **J Clin Microbiol** 1984 Feb;19(2):215–7

Evaluation of the four-hour rapid 20E system for identification of members of the family Enterobacteriaceae. Izard D, et al. **J Clin Microbiol** 1984 Jul;20(1):51–4

Recovery of Pseudomonas aeruginosa colonial dissociants on a protease detection medium. Janda JM, et al. **J Clin Microbiol** 1982 Jan;15(1):178–80

Use of the API NeIdent system for identification of pathogenic Neisseria spp. and Branhamella catarrhalis. Janda WM, et al. **J Clin Microbiol** 1984 Mar;19(3):338–41

Use of avidin–biotinylated horseradish peroxidase complex for visualization of spirochetes. Jennings BR, et al. **J Clin Microbiol** 1983 Nov;18(5):1250–1

Comparison of the AutoMicrobic system and a conventional tube system for identification of nonfermentative and oxidase-positive gram-negative bacilli. Johnson JE, et al. **J Clin Microbiol** 1982 Jan;15(1):25–7

Lyme disease: a selective medium for isolation of the suspected etiological agent, a spirochete. Johnson SE, et al. **J Clin Microbiol** 1984 Jan;19(1):81–2

Comparison of two commercially available test methods with conventional coagulase tests for identification of Staphylococcus aureus. Jungkind DL, et al. **J Clin Microbiol** 1984 Feb;19(2):191–3

Collaborative clinical evaluation of the Autobac IDX system for identification of gram-negative bacilli. Kelly MT, et al. **J Clin Microbiol** 1984 Apr;19(4):529–33

Routine aerobic terminal subculturing of blood cultures in a cancer hospital. Kiehn TE, et al. **J Clin Microbiol** 1983 Oct;18(4):885–9

Evaluation of the Cult-a-Box gas generator system for isolation of Campylobacter spp. from stool specimens. Kosunen TU. **J Clin Microbiol** 1983 Oct;18(4):972–3

API ZYM system for identification of Bacteroides spp., Capnocytophaga spp., and spirochetes of oral origin. Laughon BE, et al. **J Clin Microbiol** 1982 Jan;15(1):97–102

Gono Gen coagglutination test for confirmation of Neisseria gonorrhoeae. Lawton WD, et al. **J Clin Microbiol** 1983 Nov;18(5):1264–5

Identification of group D streptococci by SeroSTAT. Levchak ME, et al. **J Clin Microbiol** 1982 Jan;15(1):58–60

Comparison of atmospheres of incubation for primary isolation of Campylobacter fetus subsp. jejuni from animal specimens: 5% oxygen versus candle jar. Luechtefeld NW, et al. **J Clin Microbiol** 1982 Jan;15(1):53–7

Medium for selective isolation and presumptive identification of the Bacteroides fragilis group. Lyznicki JM, et al. **J Clin Microbiol** 1982 Jan;15(1):123–9

Clinical laboratory comparison of lysis-centrifugation and BACTEC radiometric blood culture techniques. McLaughlin JC, et al. **J Clin Microbiol** 1983 Nov; 18(5):1027–31

Abbreviated scheme for presumptive identification of Staphylococcus saprophyticus from urine cultures. Morgan JW. **J Clin Microbiol** 1983 Nov;18(5):1272–4

Comparison of a radiometric method (BACTEC) and conventional culture media for recovery of mycobacteria from smear-negative specimens. Morgan MA, et al. **J Clin Microbiol** 1983 Aug;18(2):384–8

Comparison of stained smears and culturing for identification of Treponema hyodysenteriae. Olson LD, et al. **J Clin Microbiol** 1983 Oct;18(4):950–5

Evaluation of API microtube GT system for detection of germ tube production by clinically significant yeasts. Philip A, et al. **J Clin Microbiol** 1983 Nov;18(5):1280–1

Ammonium bicarbonate as a replacement for carbon dioxide in Transgrow bottles for primary isolation of Neisseria gonorrhoeae. Potter LD, et al. **J Clin Microbiol** 1983 Nov; 18(5):1258–9

Evaluation of the API 20 Strep system for species identification of streptococci isolated from bovine mastitis. Poutrel B, et al. **J Clin Microbiol** 1984 Feb;19(2):213–4

Accuracy of a rapid carbohydrate oxidation microtube method for identification of nonfermentative gram-negative bacilli. Qadri SM, et al. **J Clin Microbiol** 1982 Jan;15(1):43–7

Rapid detection of bacteriuria by laser nephelometry. Richet H, et al. **J Clin Microbiol** 1984 Feb;19(2):240–4

Rapid visual detection of microorganisms in blood culture. Sage BH Jr, et al. **J Clin Microbiol** 1984 Jul;20(1):5–8

Utility of egg yolk medium for cultivation of Mycoplasma pneumoniae. Sasaki T, et al. **J Clin Microbiol** 1983 Nov; 18(5):1167–73

Evaluation of a microtiter system for identification of anaerobic bacteria. Savuto PS, et al. **J Clin Microbiol** 1984 Jul;20(1):81–3

Use of leukocyte esterase-nitrate activity as predictive assays of significant bacteriuria. Smalley DL, et al. **J Clin Microbiol** 1983 Nov;18(5):1256–7

Effect of storage of the du Pont lysis-centrifugation system on recovery of bacteria and fungi in a prospective clinical trial. Stockman L, et al. **J Clin Microbiol** 1984 Feb; 19(2):283–5

Growth characteristics of large- and small-colony types of Mycoplasma mycoides subsp. mycoides on 5% sheep blood agar. Thigpen JE, et al. **J Clin Microbiol** 1983 Oct; 18(4):956–60

Rapid microbiochemical identification of Corynebacterium diphtheriae and other medically important corynebacteria. Thompson JS, et al. **J Clin Microbiol** 1983 Oct;18(4):926–9

Contamination of cultures processed with the isolator lysis-centrifugation blood culture tube. Thomson RB Jr, et al. **J Clin Microbiol** 1984 Feb;19(2):97–9

Early detection of positive blood cultures by the acridine orange staining technique. Tierney BM, et al. **J Clin Microbiol** 1983 Oct;18(4):830–3

Selective differential human blood bilayer media for isolation of Gardnerella (Haemophilus) vaginalis. Totten PA, et al. **J Clin Microbiol** 1982 Jan;15(1):141–7

Measurement of microbial alpha-amylases with p-nitrophenyl glycosides as the substrate complex. Trepeta RW, et al. **J Clin Microbiol** 1984 Jan;19(1):60–2

Evaluation of transport media for Campylobacter jejuni in human fecal specimens. Wang WL, et al. **J Clin Microbiol** 1983 Oct;18(4):803–7

Effectiveness of the antimicrobial removal device, BACTEC 16B medium, and thiol broth in neutralizing antibacterial activities of imipenem, norfloxacin, and related agents. Weinberg E, et al. **J Clin Microbiol** 1984 Feb;19(2):207–9

Lysis-filtration blood culture versus conventional blood culture in a bacteremic rabbit model. Zierdt CH, et al. **J Clin Microbiol** 1982 Jan;15(1):74–7

Blood-lysing solution nontoxic to pathogenic bacteria. Zierdt CH. **J Clin Microbiol** 1982 Jan;15(1):172–4

Semiautomated method for quantitative urine culture. Edmondson SG, et al. **J Clin Pathol** 1984 Jul;37(7):831–3

Bacteriological examination of removed cerebrospinal fluid shunts [letter] Holt RJ. **J Clin Pathol** 1984 Jan;37(1):102

Development and evaluation of a miniaturised method as an aid to the identification of clinically important anaerobic bacteria. Levett PN. **J Clin Pathol** 1984 Jan;37(1):70–3

Batch screening method for detection of bacteriuria [letter] Maskell R. **J Clin Pathol** 1984 Mar;37(3):355–6

Detection of Chlamydia trachomatis inclusions in McCoy and HeLa-229 cells: an alternative staining technique using toluidine blue. Mohammed NR, et al. **J Clin Pathol** 1984 Jun;37(6):682–5

Is the antimicrobial removal device a cost-effective addition to conventional blood cultures? Munro R, et al. **J Clin Pathol** 1984 Mar;37(3):348–51

A selective enrichment broth for the isolation of Clostridium difficile. O'Farrell S, et al. **J Clin Pathol** 1984 Jan;37(1):98–9

Serum glucose agar, a transport medium for Streptococcus pyogenes. Perks EM, et al. **J Clin Pathol** 1984 Feb; 37(2):226–7

Effect of volume of blood cultured on detection of Streptococcus viridans bacteraemia. Shanson DC, et al. **J Clin Pathol** 1984 May;37(5):568–70

Some factors affecting the efficiency of settle plates. Russell MP, et al. **J Hosp Infect** 1984 Jun;5(2):189–99

Isolation of Legionella pneumophila from water supplies: comparison of methods based on the guinea-pig and culture media. Fitzgeorge RB, et al. **J Hyg (Lond)** 1983 Oct; 91(2):179–87

A minimal apparatus method for counting bacteria: comparison with reference method in surveying beef carcasses at three commercial abattoirs. Hudson WR, et al. **J Hyg (Lond)** 1983 Dec;91(3):459–66

Methods for the isolation of Aeromonas hydrophila and Plesiomonas shigelloides from faeces. Millership SE, et al. **J Hyg (Lond)** 1984 Apr;92(2):145–52

Duodenal string-capsule culture compared with bone-marrow, blood, and rectal-swab cultures for diagnosing typhoid and paratyphoid fever. Hoffman SL, et al. **J Infect Dis** 1984 Feb;149(2):157–61

Rapid detection of bacteraemia by early subculture. Ganguli LA, et al. **J Med Microbiol** 1984 Jun;17(3):311–5

Clinical evaluation of a lysis-centrifugation technique for the detection of septicemia. Kelly MT, et al. **JAMA** 1983 Oct 28;250(16):2185–8

Cultivation of M. leprae [editorial] Antia NH. **Lepr India** 1983 Jul;55(3):420–3

Study of the use of nude mice in the cultivation of Mycobacterium leprae in a normal, nonspecific pathogenic-free room at a temperature of 30–35 degrees C, without air-conditioning. Rungruang S, et al. **Lepr Rev** 1983 Dec;54(4):305–8

Biochemical identification of the enterobacteriaciae using a multipoint inoculation system. Pease AA. **Med Lab Sci** 1983 Oct;40(4):349–53

Continuous culture of Azotobacter vinelandii and Candida lipolytica in artificial seawater. Burkhardt-Maturin R, et al. **Microbiol Immunol** 1983;27(6):547–50

The selective staining mechanism of phosphatase producing colonies in the diphosphatephenolphthalein-methyl green method for the detection of bacterial phosphatase activity. Satta G, et al. **Microbiologica** 1984 Apr;7(2):159–70

Bacteriology and clinical relevance of nasopharyngeal and oropharyngeal cultures. Todd JK. **Pediatr Infect Dis** 1984 Mar–Apr;3(2):159–63

The use of mini-Gal plasmids for rapid incompatibility grouping of conjugative R plasmids. Davey RB, et al. **Plasmid** 1984 May;11(3):234–42

Specimen collection and transport, anaerobic culture techniques, and identification of anaerobes. Citron DM. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl 1:S51–8

Problems encountered in clinical anaerobic bacteriology. Jousimies-Somer HR, et al. **Rev Infect Dis** 1984 Mar–Apr; 6 Suppl 1:S45–50

Recovery of anaerobic bacteria from vented blood-culture bottles. Martin WJ, et al. **Rev Infect Dis** 1984 Mar–Apr; 6 Suppl 1:S59–61

The value of autopsy bacteriology. A case report and review of techniques. Moar JJ, et al. **S Afr Med J** 1984 Aug 4; 66(5):192–3

Slide-scoring method for estimation of Streptococcus mutans levels in saliva. Alaluusua S, et al. **Scand J Dent Res** 1984

Apr;92(2):127–33
Evaluation of Minitec and API as rapid diagnostic methods for anaerobic bacteria. Bergan T, et al.
Scand J Gastroenterol [Suppl] 1984;91:103–11
Diagnostic considerations and sample collection for anaerobic bacteria. Bergan T.
Scand J Gastroenterol [Suppl] 1983;85:5–14
Assay of metronidazole by HPLC compared with microbial method. Salvesen B, et al.
Scand J Gastroenterol [Suppl] 1984;91:31–43
The need for control of throat streptococcal cultures in general practice. Larsson P, et al.
Scand J Infect Dis [Suppl] 1983;39:79–82
New rapid technique for counting microorganisms directly on membrane filters. Bitton G, et al. **Stain Technol** 1983 Nov;58(6):343–6
A toluidine blue–membrane filter method for the quantitative staining of bacteria. O'Toole DK. **Stain Technol** 1983 Sep; 58(5):291–8
Evaluation of the API 20E and Microbact 24E systems for the identification of Pseudomonas pseudomallei. Thomas AD. **Vet Microbiol** 1983 Nov;8(6):611–5
Differentiation of smooth and rough Brucella strains by lectins. Corbel MJ, et al. **Vet Rec** 1983 Sep 17;113(12):261–2
Pathogenesis and growth of Listeria monocytogenes in fertile hens' eggs. Basher HA, et al.
Zentralbl Bakteriol Mikrobiol Hyg [A] 1984 Apr; 256(4):477–509
Rapid detection of bacteriuria in bacteriological routine laboratory: comparison between bioluminescence method and culture techniques. Beckers B, et al.
Zentralbl Bakteriol Mikrobiol Hyg [A] 1983 Jul; 254(4):515–20
Micromethod for carbon substrate assimilation by Pseudomonas maltophilia. Freney J, et al.
Zentralbl Bakteriol Mikrobiol Hyg [A] 1983 Nov; 255(4):479–88
An evaluation of the efficiency of enrichment media in the isolation process for Vibrio parahaemolyticus. Hofer E, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 Apr; 256(4):456–65
A comparative study on the pretreatment methods for the cultivation of Mycobacterium tuberculosis on LJ medium using pancreatin as digestant for sputa. Khan MA, et al.
Zentralbl Bakteriol Mikrobiol Hyg [A] 1983 Dec; 256(2):222–30
Studies of polyarthritis caused by Mycoplasma arthritidis in rats. I. Detection of the persisting Mycoplasma antigen by the enzyme immune assay (EIA) and conventional culture technique. Kirchhoff H, et al.
Zentralbl Bakteriol Mikrobiol Hyg [A] 1983 Mar; 254(1):129–38
Phadebact coagglutination test for the rapid identification of pneumococci. Qadri SM, et al.
Zentralbl Bakteriol Mikrobiol Hyg [A] 1984 Apr; 256(4):475–8
Detection of beta lactamase producing bacteria by Cefinase: comparison with three other methods. Qadri SM, et al.
Zentralbl Bakteriol Mikrobiol Hyg [A] 1983 Nov; 255(4):489–93
Cultivation of the bacterial strain Achromobacter delicatulus, producing an exocellular polyglucan-type polysaccharide in the fermentation tank FU-6. LasiK J, et al.
Zentralbl Mikrobiol 1983;138(5):345–55
[Immobilization of cells with steroid-1,2-dehydrogenase activity on different carriers] Avramova T, et al.
Acta Microbiol Bulg 1984;14:50–5 (Eng. Abstr.) **(Bul)**
[Bacteriological investigation of anaerobes in 11 cases of periodontal abscess and methods to improve its detection rate] Chen CM. **Chung Hua Kou Chiang Ko Tsa Chih** 1983 Dec;18(4):209–11 **(Chi)**
[Simple method of culturing anaerobes] Li ZY.
Chung Hua Liu Hsing Ping Hsueh Tsa Chih 1983 Jun; 4(3):181–4 (Eng. Abstr.) **(Chi)**
[Quantitative evaluation of peptones using growth tests] Mottl J. **Cesk Epidemiol Mikrobiol Imunol** 1983 Jul; 32(4):224–9 **(Cze)**
[A test for selective motility in the diagnosis of salmonellosis] Svasiová A, et al. **Cesk Epidemiol Mikrobiol Imunol** 1984 May;33(3):149–54 (Eng. Abstr.) **(Cze)**
[The clinical interpretation of bacteriological studies] Hendriks WD. **Ned Tijdschr Geneeskd** 1984 Jun 30; 128(26):1235–8 **(Dut)**
[A comparison of 3 isolation methods for the demonstration of Salmonella bacteria in fryer-chicken feed] Mulder RW, et al. **Tijdschr Diergeneeskd** 1984 Mar 1;109(5):186–9 (Eng. Abstr.) **(Dut)**
[Comparative study of 3 methods for quantifying bacterial flora of the hands: membrane filtration, agar inclusion and plate culture] Reverdy ME, et al. **Pathol Biol (Paris)** 1984 Jun;32(5 Pt 2):585–7 (Eng. Abstr.) **(Fre)**
[Rapid counting of bacteria isolated from cattle, swine and sheep carcasses using the resazurin method] Labadie J, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1984 Jun; 179(3):217–24 (Eng. Abstr.) **(Fre)**
[Contamination or infection? Comparison of positive blood cultures of Staphylococcus aureus and Staphylococcus epidermidis] Daschner FD, et al. **MMW** 1983 Sep 30; 125(39):849–50 **(Ger)**
[Pathogen diagnosis in transition] Marget W. **MMW** 1983 Sep 30;125(39):831–3 **(Ger)**
[Urine diagnosis with immersed culture media. Errors in bacteriologic studies] Schmitt HJ. **MMW** 1983 Dec 16; 125(50):1180–1 **(Ger)**
[An optimal blood culture technic] Simon C, et al.
Monatsschr Kinderheilkd 1984 Mar;132(3):168–72 (Eng. Abstr.) **(Ger)**
[Bacteriologically unconfirmed tuberculosis of the respiratory tract] Neumann G. **Prax Klin Pneumol** 1984 Feb;38(2):54–6 (Eng. Abstr.) **(Ger)**
[Accuracy of microscope diagnosis in the detection of vaginal mycoses, measured by the detection of fungi in culture] Jenny J. **Schweiz Rundsch Med Prax** 1984 Feb 14; 73(7):193–5 (Eng. Abstr.) **(Ger)**
[A new method for the demonstration of the Bordetella bronchiseptica capsule in electron microscopy] Kludas U Jr, et al. **Z Allg Mikrobiol** 1984;24(2):85–92 (Eng. Abstr.) **(Ger)**
[Production and testing of liquid starter cultures for the meat industry] Hofmann HP. **Z Gesamte Hyg** 1983 Nov; 29(11):661–3 (Eng. Abstr.) **(Ger)**
[Isolation and identification of Enterobacteriaceae]
Zentralbl Bakteriol Mikrobiol Hyg [A] 1983 Mar; 254(1):1–25 **(Ger)**
[Clinical importance of Acinetobacter calcoaceticus isolations from blood and venous catheters] Hoppe M, et al.
Zentralbl Bakteriol Mikrobiol Hyg [A] 1983 Nov; 256(1):80–6 (Eng. Abstr.) **(Ger)**
[Qualitative and quantitative determination of bacterial populations in aquatic habitats. 5. Comparison of 2 rapid sand filters] Dott W, et al.
Zentralbl Bakteriol Mikrobiol Hyg [B] 1983 Jan; 177(1–2):141–55 (Eng. Abstr.) **(Ger)**
[A simple wash technic for the recovery of test pathogens in the evaluation of surface disinfection procedures] Koller W. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1984 May; 179(2):112–24 (Eng. Abstr.) **(Ger)**
[Defibrinated rabbit blood as a method of transport and maintenance of Streptococcus pneumonia strains] Losito G, et al. **Ann Sclavo** 1982 Nov–Dec;24(6):695–6 **(Ita)**
[Comparative evaluation of 3 miniaturized systems (API 20E, Enterotube II, Sensititre AP60) commonly used in clinical microbiology laboratories] Chiaradia V, et al.
Quad Sclavo Diagn 1983 Jun;19(2):159–75 (Eng. Abstr.) **(Ita)**
[Comparison of AMS and MS-2 in the identification and antibiotic sensitivity of clinically isolated bacterial strains] Chiaradia V, et al. **Quad Sclavo Diagn** 1983 Jun; 19(2):176–91 (Eng. Abstr.) **(Ita)**
[An attempt to modify the Hanks bacillary counting method: Hanks sea-sand method] Nakamura M, et al.
Nippon Rai Gakkai Zasshi 1983 Jul–Sep;52(3):142–6 (Eng. Abstr.) **(Jpn)**
[Method for the titration of bactericidal activity in multiple samples] Ihara I. **Nippon Saikingaku Zasshi** 1984 Jan; 39(1):47–9 **(Jpn)**
[Cultivation of fastidious Mycobacterium, M. lepraemurium, in cell-free media] Nakamura M.
Nippon Saikingaku Zasshi 1984 Mar;39(2):77–80 (11 ref.) **(Jpn)**
[Identification of streptococci isolated from clinical specimens by their biochemical characteristics—comparison between the API STREP system and conventional methods] Yamagishi T, et al.
Rinsho Byori 1983 Sep;31(9):1025–8 **(Jpn)**
[Application of personal computer system in clinical laboratory of microbiology and bacterial coding devised] Yamane N, et al. **Rinsho Byori** 1984 Feb;32(2):218–22 **(Jpn)**
[Centrifugal effect for adsorption of Chlamydia trachomatis] Takahashi F, et al. **Uirusu** 1983 Dec;33(2):123–9 (Eng. Abstr.) **(Jpn)**
[Method of quantitative determination of microbial contamination of burns and suppurative wounds] Filippovich IuV, et al. **Lab Delo** 1983;(8):56–8 (Eng. Abstr.) **(Rus)**
[Selection of a method of preserving pathological material from tuberculosis patients for transport in the Far North] Grashchenkova OV, et al. **Lab Delo** 1983;(8):58–9 **(Rus)**
[Evaluation of methods of determining the number of microorganisms on the skin] Ivanov NA, et al.
Lab Delo 1984;(1):32–3 (Eng. Abstr.) **(Rus)**
[Template device for determining the toxigenicity of Corynebacterium diphtheriae in experiments in vitro] Konstantinova LF. **Lab Delo** 1984;(6):381–2 **(Rus)**
[Rapid method of carrying out the Voges–Proskauer and methyl red reactions using paper indicator systems] Nosov NN. **Lab Delo** 1984;(6):371–2 **(Rus)**
[Method of isolating nonsporulating anaerobic bacteria in a microanaerostat] Ponomareva TP, et al. **Lab Delo** 1984; (3):178–9 (Eng. Abstr.) **(Rus)**
[Modification of methods for conducting the Voges–Proskauer reaction with vibrios] Savel'ev VN, et al. **Lab Delo** 1984;(6):372–4 (Eng. Abstr.) **(Rus)**
[Rapid identification of microorganisms of the family Enterobacteriaceae using a complex of key enzyme markers] Sokolova KIa, et al. **Lab Delo** 1984;(3):171–3 (Eng. Abstr.) **(Rus)**
[A rapid process for quantitative urine culture in a 24-hour period] Santos MA, et al. **Bol Med Hosp Infant Mex** 1983 Jun;40(6):296–8 (Eng. Abstr.) **(Spa)**
[The use of Gram staining] Roy C, et al.
Med Clin (Barc) 1984 Jul 14;83(6):256–61 **(Spa)**
[Comparative study of 41 sputum samples with positive bacilloscopy by the trisodium phosphate and Petroff technics] Olivares E, et al. **Rev Cubana Med Trop** 1983 May–Aug;35(2):159–63 (Eng. Abstr.) **(Spa)**
[Comparative study of conventional and membrane-filtration technics in the microbiological analysis of surface waters] de Marino Gómez-Sandoval MD, et al.
Rev Sanid Hig Publica (Madr) 1982 Sep–Oct; 56(9–10):999–1030 (Eng. Abstr.) **(Spa)**

INSTRUMENTATION

Clinical laboratory evaluation of a bacteriuria detection device for urine screening. Davis JR, et al.
Am J Clin Pathol 1984 Jan;81(1):48–53
Evaluation of filters for recovery of Campylobacter jejuni from water. Mathewson JJ, et al.
Appl Environ Microbiol 1983 Nov;46(5):985–7
Colony counting on hydrophobic grid-membrane filters. Sharpe AN, et al. **Can J Microbiol** 1983 Jul;29(7):797–802
Pseudobacteremia and use of the radiometric blood culture analyzer [letter] Donowitz LG, et al. **Infect Control** 1984 Jun;5(6):266
Identification of the Enterobacteriaceae: a comparison of the Enterotube II with the API 20E. Hayek LJ, et al.
J Clin Pathol 1984 Mar;37(3):344–7
Continuous opacity monitoring of the growth of bacteria under strict anaerobic conditions. O'Grady F, et al.
J Clin Pathol 1983 Nov;36(11):1229–32
[A magnesium gas generator for the cultivation of anaerobic microorganisms] Chrástová V, et al.
Cesk Epidemiol Mikrobiol Imunol 1984 Jan;33(1):37–43 (Eng. Abstr.) **(Cze)**
[Rapid, automatic methods for identifying enterobacteria] Izard D, et al. **Ann Biol Clin (Paris)** 1983;41(6):419–26 (Eng. Abstr.) **(Fre)**
[Use of Ankum-2 fermenter in solving special problems of bacterial nutrition in vaccine production] Kludas KH, et al. **Arch Exp Veterinarmed** 1983 Jul;37(4):533–9 (Eng. Abstr.) **(Ger)**
[A new method for culturing sporeless anaerobic bacteria from clinical material] Bölter C, et al.
Z Arztl Fortbild (Jena) 1983;77(22):925–7 **(Ger)**
[Method of determining the intensity of microorganism shedding from the upper respiratory tract in the human] Pozharskiĭ GO. **Kosm Biol Aviakosm Med** 1984 Mar–Apr; 18(2):78–80 **(Rus)**
[An apparatus for pouring the nutrient media] Maganchuk VP, et al. **Lab Delo** 1983;(7):63–4 **(Rus)**

STANDARDS

Five years of experience with a national external quality control program for the culture and identification of Neisseria gonorrhoeae. Griffin CW 3d, et al.
J Clin Microbiol 1983 Nov;18(5):1150–9
Multicenter evaluation of the proposed quality control limits and interpretive zone standards for in vitro susceptibility testing with norfloxacin. Shungu DL, et al.
J Clin Microbiol 1983 Oct;18(4):988–91
[Results of bacteriologic quality control of hospital laboratories] Dóbiás G, et al. **Orv Hetil** 1984 Jul 8; 125(28):1681–3 (Eng. Abstr.) **(Hun)**

VETERINARY

Improving the Mycoplasma gallisepticum and M. synoviae antigen yield by readjusting the pH of the growth medium to the original alkaline state. Lin MY, et al. **Avian Dis** 1984 Jan–Mar;28(1):266–72
Blood culture of the canine patient. Hirsh DC, et al.
J Am Vet Med Assoc 1984 Jan 15;184(2):175–8
Identification of toxigenic Pasteurella multocida [letter] Rutter JM, et al. **Vet Rec** 1983 Sep 24;113(13):304
Characterization of the intestinal bacteria of mice by API ZYM and SDS-polyacrylamide gel electrophoresis. Koopman JP, et al. **Z Versuchstierkd** 1983;25(4):185–92
[Diagnosis of bacterial endocarditis in cattle using intra vitam cultured blood samples] Schiele R, et al. **DTW** 1984 Jan 9;91(1):15–8 (Eng. Abstr.) **(Ger)**

BACTERIOLOGY

A microcomputer-assisted bacteriology reporting and information system. Møller JK.
Acta Pathol Microbiol Immunol Scand [B] 1984 Apr; 92(2):119–26
Protective garments in the bacteriology department [letter] Domm EV. **Infect Control** 1983 Sep–Oct;4(5):360
New concepts in medical bacteriology. O'Brien TF, et al.
J Med 1983;14(4):271–80 (12 ref.)
Microcomputers in bacteriology. Magee JT. **Med Lab Sci** 1983 Oct;40(4):355–8
[Response to the International System of Bacterial Nomenclature and problems associated with the system] Iijima T. **Nippon Saikingaku Zasshi** 1983 Jul;38(4):683–5 **(Jpn)**

EDUCATION

[Experience in conducting correspondence and regular courses] Lastochnkin VG, et al. **Lab Delo** 1983;(8):63 **(Rus)**

HISTORY

Robert Koch and the cholera vibrio: a centenary. Howard-Jones N. **Br Med J [Clin Res]** 1984 Feb 4; 288(6414):379–81

Leonard Colebrook (1883–1967). Lowbury EJ. **Br Med J [Clin Res]** 1983 Dec 24–31;287(6409):1981–3

The clarification of the etiology of Asiatic cholera by the German cholera commission under the direction of Robert Koch in the year 1983—1984. Mochmann H, et al. **Indian J Public Health** 1983 Jan–Mar;27(1):6–20

Centenary of discovery of cholera vibrio. Seal SC. **Indian J Public Health** 1983 Jan–Mar;27(1):1–5

Ignaz Philipp Semmelweis, the prophet of bacteriology. Wyklicky H, et al. **Infect Control** 1983 Sep–Oct;4(5):367–70

[Robert Koch's significance for Japanese medicine—tuberculosis research in Japan] Fujita S. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:423–9 (Eng. Abstr.) (Ger)

[The importance of Robert Koch's discovery for the development of bacteriology] Schmidt G. **Z Erkr Atmungsorgane** 1983;161(1):15–20 (Eng. Abstr.) (Ger)

[The cognitive process of Robert Koch in becoming the founder of tuberculosis control] Steinbrück P. **Z Erkr Atmungsorgane** 1983;161(1):6–14 (Eng. Abstr.) (Ger)

[The contribution of Robert Koch to the founding of the doctrine of disinfection and present priorities in disinfection research and practice] Weuffen W. **Z Erkr Atmungsorgane** 1983;161(1):28–35 (Eng. Abstr.) (Ger)

[Reflection on my research in bacteriology] Hayashi T. **Nippon Saikingaku Zasshi** 1984 Mar;39(2):81–4 (Jpn)

[Memorable items in my research] Kuwahara S. **Nippon Saikingaku Zasshi** 1983 Sep;38(5):751–4 (Jpn)

[Reflections on my studies of anaerobes] Suzuki S. **Nippon Saikingaku Zasshi** 1983 Sep;38(5):755–7 (Jpn)

[Centenary of discovery of Mycobacterium tuberculosis (1882–1982) by Robert Koch: early reaction of Polish medical journals] Bednarski Z. **Pol Tyg Lek** 1983 Mar 28; 38(13):419–21 (Pol)

[60th anniversary of the 7th All-Russian Congress of Bacteriologists, Epidemiologists and Health Officers] Vasil'ev KK. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Oct;(10):111–3 (Rus)

INSTRUMENTATION

[Apparatus for sterilizing bacteriological loops] Chmelař D. **Cesk Epidemiol Mikrobiol Imunol** 1984 May;33(3):187–8 (Cze)

[Chemical method of sterilizing plastic bacteriological dishes] Bilich BE, et al. **Lab Delo** 1984;(3):176–8 (Eng. Abstr.) (Rus)

[Method of isolating nonsporulating anaerobic bacteria in a microanaerostat] Ponomareva TP, et al. **Lab Delo** 1984; (3):178–9 (Eng. Abstr.) (Rus)

MANPOWER

[Utilization of work time by physicians and laboratory assistants in bacteriological laboratories] Bredneva EF, et al. **Lab Delo** 1983;(12):49–51 (Rus)

STANDARDS

[Assessment of work indices in the bacteriological laboratories of medical institutions] Kuz'menko VD, et al. **Lab Delo** 1983;(12):52–3 (Eng. Abstr.) (Rus)

TRENDS

[Tasks and possibilities of current microbiology in a clinic for non-infectious diseases] Smolianskaia AZ, et al. **Lab Delo** 1984;(5):291–5 (Eng. Abstr.) (Rus)

[Soviet mycobacteriology today] Zykov MP. **Sov Med** 1984; (1):64–8 (Rus)

BACTERIOLYSIS

see related

LYSOSTAPHIN

Lysozyme, an abomasal enzyme in the ruminants. Pahud JJ, et al. **Ann Rech Vet** 1983;14(4):493–501

Facile and gentle method for quantitative lysis of Escherichia coli and Salmonella typhimurium. Crabtree S, et al. **J Bacteriol** 1984 Apr;158(1):354–6

Expression of a gene in a 400-base-pair fragment of colicin plasmid ColE2-P9 is sufficient to cause host cell lysis. Pugsley AP, et al. **J Bacteriol** 1983 Oct;156(1):109–14

Lysis of Vibrio cholerae cells: direct isolation of the outer membrane from whole cells by treatment with urea. Lohia A, et al. **J Gen Microbiol** 1984 Aug;130 (Pt 8):2027–33

Lysis of Escherichia coli after infection with phiX174 depends on the regulation of the cellular autolytic system. Lubitz W, et al. **J Gen Microbiol** 1984 May;130 (Pt 5):1079–87

Lysis of Streptococcus mutans BHT by salivary lysozyme. Twetman S, et al. **Scand J Dent Res** 1983 Aug;91(4):274–80

[Electron microscopic study of Bacillus stearothermophilus lysis in stab cultivation] Imshenetskiĭ AA, et al. **Mikrobiologiia** 1983 Jul–Aug;52(4):625–8 (Eng. Abstr.) (Rus)

[Dissociation and phagolytic characteristics of the Shigella isolated from patients with various clinical forms of dysentery] Shibacheva NN, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Dec;(12):34–7 (Eng. Abstr.) (Rus)

DRUG EFFECTS

Prevention of Staphylococcus aureus lysis. Bhaduri S. **Appl Environ Microbiol** 1983 Aug;46(2):515–7

Synergism of lysozyme, proteases and inorganic monovalent anions in the bacteriolysis of oral Streptococcus mutans GS5. Pollock JJ, et al. **Arch Oral Biol** 1983;28(9):865–71

BACTERIOPHAGE LAMBDA see PHAGE LAMBDA

BACTERIOPHAGE MU 1 see PHAGE MU 1

BACTERIOPHAGE PHI X 174 see PHAGE PHI X 174

BACTERIOPHAGE TYPING

Phage-typing and drug-resistance patterns as tools in mycobacterial epidemiology. Gruft H, et al. **Am Rev Respir Dis** 1984 Jul;130(1):96–7

Bacillus polymyxa bacteriophages from Brazilian soils. Seldin L, et al. **Antonie Van Leeuwenhoek** 1984;50(1):39–51

The epidemic spread of Salmonella typhimurium phage type 10 in Canada (1970–1979). Khakhria R, et al. **Can J Microbiol** 1983 Nov;29(11):1583–8

Biological characteristics of Salmonella weltevreden typing phages. Sood LR, et al. **Folia Microbiol (Praha)** 1984; 29(1):93–5

Comparison of plasmid profile analysis, phage typing, and antimicrobial susceptibility testing in characterizing Salmonella typhimurium isolates from outbreaks. Holmberg SD, et al. **J Clin Microbiol** 1984 Feb;19(2):100–4

Reduced set of phages for typing Escherichia coli. Gershman M, et al. **J Dairy Sci** 1984 Jun;67(6):1306–15

The distribution of specific phage types of Salmonella typhimurium in chickens in Australia. Coloe PJ, et al. **J Hyg (Lond)** 1984 Apr;92(2):177–82

Enterotoxin production, phage typing and serotyping of Staphylococcus aureus strains isolated from clinical materials and food. Melconian AK, et al. **J Hyg (Lond)** 1983 Oct;91(2):235–42

Lysis by phage 42E as possible marker for Staphylococcus aureus strains likely to infect prosthetic materials [letter] Freeman R, et al. **Lancet** 1984 Aug 11;2(8398):343–4

Frequency, phage types and antibiotic resistance of Staphylococcus aureus isolated from blood cultures in Denmark 1975–1981. Rosendal K, et al. **Scand J Infect Dis [Suppl]** 1983;41:19–29

[Phage typing of Salmonella typhi isolated from 12 provinces of China] **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1983 Dec;4(6):345–9 (Eng. Abstr.) (Chi)

[Experience in colicinogen typing of Shigella sonnei strains from the Southern Moravia Region using specific indicators] Gaislerová V, et al. **Cesk Epidemiol Mikrobiol Imunol** 1984 Mar;33(2):65–70 (Eng. Abstr.) (Cze)

[Studies on staphylococcal coagulase type and phage type isolated from pyodermas, especially impetigo contagiosa] Uragami K. **Nippon Hifuka Gakkai Zasshi** 1983 May; 93(6):613–27 (Jpn)

[Phage typing of nonagglutinating vibrios isolated in the territory of the USSR] Ganin VS, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Sep;(9):89–92 (Eng. Abstr.) (Rus)

[Phage typing of the coagulase-positive staphylococci isolated from various species of animals] Samsonova TM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Nov; (11):13–6 (Eng. Abstr.) (Rus)

[Survey of phage types of Salmonella typhi isolated in Slovakia 1962–1981] Borecká J, et al. **Cesk Epidemiol Mikrobiol Imunol** 1983 Nov;32(6):327–32 (Eng. Abstr.) (Slo)

[Bacteriophage typing of Staphylococcus aureus strains isolated from nosocomial infections in the city of Córdoba (Argentina)] Pessat O, et al. **Rev Latinoam Microbiol** 1983 Jul–Sep;25(3):137–43 (Eng. Abstr.) (Spa)

[Bacteriophage typing of Staphylococcus aureus in Turkey] Sevük N, et al. **Mikrobiyol Bul** 1983 Oct;17(4):267–9 (Eng. Abstr.) (Tur)

METHODS

Bacteriophage typing of Staphylococcus hyicus subsp hyicus isolated from pigs. Kawano J, et al. **Am J Vet Res** 1983 Aug;44(8):1476–9

[Isolation of Vibrio phages of the non-01 group and their biological properties] Golkovskiĭ GM, et al. **Lab Delo** 1983; (9):53–5 (Eng. Abstr.) (Rus)

BACTERIOPHAGES

see related

LYSOGENY

Conjugative 40-megadalton plasmid in Streptococcus lactis subsp. diacetylactis DRC3 is associated with resistance to nisin and bacteriophage. McKay LL, et al. **Appl Environ Microbiol** 1984 Jan;47(1):68–74

Bacteriophage that can distinguish between wild-type Rhizobium japonicum and a non-nodulating mutant. Stacey G, et al. **Appl Environ Microbiol** 1984 Jul;48(1):68–72

Results of bacteriophage treatment of suppurative bacterial infections. I. General evaluation of the results. Slopek S, et al. **Arch Immunol Ther Exp (Warsz)** 1983;31(3):267–91

Results of bacteriophage treatment of suppurative bacterial infections. II. Detailed evaluation of the results. Slopek S, et al. **Arch Immunol Ther Exp (Warsz)** 1983; 31(3):293–327

An N-acetylmuramidase induced by PL-1 phage infection of Lactobacillus casei. Watanabe K, et al. **J Gen Microbiol** 1984 Feb;130 (Pt 2):275–7

Phage therapy. **Lancet** 1983 Dec 3;2(8362):1287–8

[Indicator value of bacteriophages with reference to viral contamination of water] Bagdasar'ian GA, et al. **Gig Sanit** 1983 Sep;(9):4–7 (Eng. Abstr.) (Rus)

[Bacteriophages and phage therapy in pediatric practice] Samsygina GA, et al. **Pediatriia** 1984 Apr;(4):67–70 (21 ref.) (Rus)

[Effectiveness of bacteriophages in the treatment of nonspecific lung diseases (according to the results of clinico-immunologic and bronchoscopic studies)] Ermakov EV, et al. **Sov Med** 1984;(2):37–9 (Eng. Abstr.) (Rus)

[Preventive effectiveness of dried polyvalent Shigella bacteriophage in organized collective farms] Anpilov LI, et al. **Voen Med Zh** 1984 May;(5):39–40 (Rus)

ANALYSIS

Biochemical relationship among three F-type pyocins, pyocin F1, F2, and F3, and phage KF1. Kuroda K, et al. **J Biochem (Tokyo)** 1983 Nov;94(5):1429–41

Packaging of DNA into bacteriophage heads: a model. Harrison SC. **J Mol Biol** 1983 Dec 25;171(4):577–80

Identification of a protein bound to the termini of bacteriophage PRD1 DNA. Bamford D, et al. **J Virol** 1983 Aug;47(2):311–6

Accessibility of phosphatidylethanolamine in bacteriophage PM2 and in its gram-negative host. Brewer GJ, et al. **J Virol** 1983 Dec;48(3):774–8

alpha-Putrescinylthymine. Kropinski AM, et al. **Methods Enzymol** 1983;94:422–8

Purification in a functional form of the terminal protein of Bacillus subtilis phage phi 29. Prieto I, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(6):1639–43

CLASSIFICATION

Differentiation of lactic streptococcal phages into phage species by DNA-DNA homology. Jarvis AW. **Appl Environ Microbiol** 1984 Feb;47(2):343–9

DRUG EFFECTS

Effects of pesticides on cyanobacterium Plectonema boryanum and cyanophage LPP-1. Mallison SM 3d, et al. **Appl Environ Microbiol** 1984 May;47(5):910–4

Effect of vitamins other than vitamin C on viruses: virus-inactivating activity of vitamin K5. Murata A, et al. **J Nutr Sci Vitaminol (Tokyo)** 1983 Dec;29(6):721–4

Effect of novobiocin on mycoplasma virus L2 replication. Poddar SK, et al. **J Virol** 1984 Jan;49(1):283–6

ENZYMOLOGY

Biochemical characterization of a murein hydrolase induced by bacteriophage Dp-1 in Streptococcus pneumoniae: comparative study between bacteriophage-associated lysin and the host amidase. García P, et al. **J Bacteriol** 1984 Aug;159(2):793–6

A novel DNA polymerase induced by Bacillus subtilis phage phi 29. Watabe K, et al. **Nucleic Acids Res** 1983 Dec 10; 11(23):8333–42

Characterization and purification of a phage phi 29-encoded DNA polymerase required for the initiation of replication. Blanco L, et al. **Proc Natl Acad Sci USA** 1984 Sep; 81(17):5325–9

GENETICS

The bacteriophages of lactic acid bacteria with emphasis on genetic aspects of group N lactic streptococci. Teuber M, et al. **Antonie Van Leeuwenhoek** 1983 Sep;49(3):283–95 (29 ref.)

Use of bacteriophage P1 as a vector for Tn5 insertion mutagenesis. Quinto M, et al. **Appl Environ Microbiol** 1984 Feb;47(2):436–8

A new mechanism for the initiation of replication of phi 29 and adenovirus DNA: priming by the terminal protein. Salas M. **Curr Top Microbiol Immunol** 1984;109:89–106

Structure of bacteriophage phi 29 DNA. Escarmís C, et al. **Folia Biol (Praha)** 1984;30 Spec No:45–51

Comparison of Bacillus subtilis phages PZA, phi 29 and phi 15. Pačes V, et al. **Folia Biol (Praha)** 1984;30 Spec No:52–64

M13 bacteriophage and pUC plasmids containing DNA inserts but still capable of beta-galactosidase alpha-complementation. Close TJ, et al. **Gene** 1983 Aug; 23(2):131–6

Restriction map and location of mutations on the genome of bacteriophage Hp1c1 of Haemophilus influenzae Rd. Fitzmaurice WP, et al. **Gene** 1983 Sep;24(1):29–35

DNA of the Streptomyces phage SH10: binding sites for Streptomyces hygroscopicus RNA polymerase and in vitro transcription map. Meyer J, et al. **Gene** 1983 Jul;23(1):25–34

Selection for restriction-induced in vivo deletion in phage vector phi 1E1 of Bacillus subtilis. Shimotsu H, et al.

Gene 1983 Jul;23(1):99–103
Effect of berberine chloride binding on the structure of cholera phage phi 2 DNA. Chaudhuri K, et al. **Indian J Biochem Biophys** 1983 Aug;20(4):188–92
Persistence of plasmids, cholera toxin genes, and prophage DNA in classical Vibrio cholerae O1. Cook WL, et al. **Infect Immun** 1984 Jul;45(1):222–6
Molecular epidemiological studies of United States Gulf Coast Vibrio cholerae strains: integration site of mutator vibriophage VcA–3. Goldberg S, et al. **Infect Immun** 1983 Oct;42(1):224–30
Cloning of sporulation gene spoIIG in Bacillus subtilis. Ayaki H, et al. **J Bacteriol** 1984 May;158(2):507–12
Restriction of bacteriophage plaque formation in Streptomyces spp. Cox KL, et al. **J Bacteriol** 1984 Aug; 159(2):499–504
Transfection of Bacillus subtilis protoplasts by bacteriophage phi do7 DNA. Perkins JB, et al. **J Bacteriol** 1983 Nov; 156(2):931–3
Genome organization of Sp beta c2 bacteriophage carrying the thyP3 gene. Spancake GA, et al. **J Bacteriol** 1984 Feb; 157(2):428–34
Molecular cloning and expression of gene fragments from corynebacteriophage beta encoding enzymatically active peptides of diphtheria toxin. Tweten RK, et al. **J Bacteriol** 1983 Nov;156(2):680–5
Repair–defective mutants of Alteromonas espejiana, the host for bacteriophage PM2. Zerler BR, et al. **J Bacteriol** 1984 Feb;157(2):465–74
Failure of translational repression in the phage f2 op3 mutant is not due to an altered coat protein–RNA interaction. Carey J, et al. **J Biol Chem** 1984 Jan 10;259(1):20–2
Overproduction and purification of a bacteriophage SPO1–encoded RNA polymerase sigma factor. Costanzo M, et al. **J Biol Chem** 1984 May 25;259(10):6681–5
Purification and properties of a new bacillus subtilis RNA processing enzyme. Cleavage of phage SP82 mRNA and Bacillus subtilis precursor rRNA. Panganiban AT, et al. **J Biol Chem** 1983 Oct 25;258(20):12487–93
Mucoid conversion by phages of Pseudomonas aeruginosa strains from patients with cystic fibrosis. Miller RV, et al. **J Clin Microbiol** 1984 May;19(5):717–9
Restriction enzyme analysis of Bacillus subtilis bacteriophage phi 105 DNA. Bugaichuk UD, et al. **J Gen Microbiol** 1984 Aug;130 (Pt 8):2165–7
Construction and characterization of recombinant phage phi 105 d(Cmrmet) for cloning in Bacillus subtilis. Jenkinson HF, et al. **J Gen Microbiol** 1984 Aug;130 (Pt 8):2155–64
Cloning of the Bacillus subtilis lys and spoIIIB genes in phage phi 105. Jenkinson HF, et al. **J Gen Microbiol** 1983 Jul; 129 (Pt 7):2229–40
Bacillus subtilis mutation blocking irreversible binding of bacteriophage SPP1. Santos MA, et al. **J Gen Microbiol** 1983 Nov;129 (Pt 11):3499–504
Cloning of the Bacillus subtilis spoIIA and spoV A loci in phage phi 105DI:1t. Savva D, et al. **J Gen Microbiol** 1984 Aug;130 (Pt 8):2137–45
Physical mapping of the virion and the prophage DNAs of a temperate Lactobacillus phage phi FSW. Shimizu–Kadota M, et al. **J Gen Microbiol** 1984 Feb;130 (Pt 2):423–30
A physical map of the filamentous bacteriophage Cf genome. Yang MK, et al. **J Gen Virol** 1984 Jul;65 (Pt 7):1173–81
Autocatalytic replication of a recombinant RNA. Miele EA, et al. **J Mol Biol** 1983 Dec 15;171(3):281–95
Characterization of the DNA–protein complex at the termini of the bacteriophage PRD1 genome. Bamford DH, et al. **J Virol** 1984 May;50(2):309–15
Bacteriophage phi 29 proteins required for in vitro DNA–gp3 packaging. Bjornsti MA, et al. **J Virol** 1984 Jun; 50(3):766–72
Bacteriophage SPO1 gene 27: location and nucleotide sequence. Costanzo M, et al. **J Virol** 1983 Nov;48(2):555–60
Vibrio cholerae bacteriophage CP–T1: characterization of bacteriophage DNA and restriction analysis. Guidolin A, et al. **J Virol** 1984 Jul;51(1):163–9
Polypeptide synthesis directed by bacteriophage phi W–14 and by mutants defective in DNA synthesis. Miller PB, et al. **J Virol** 1984 May;50(2):529–32
Protease–sensitive transfection of Streptococcus pneumoniae with bacteriophage Cp–1 DNA. Ronda C, et al. **J Virol** 1983 Dec;48(3):721–30
Phenotypic mixing of pyocin R2 and bacteriophage PS17 in Pseudomonas aeruginosa PAO. Shinomiya T. **J Virol** 1984 Feb;49(2):310–4
Dissection of HA20, a double mutant of bacteriophage SPO1. Stewart CR. **J Virol** 1984 Jan;49(1):300–1
Improved phage vector system in Streptomyces. Ishihara H, et al. **Jpn J Med Sci Biol** 1983 Dec;36(6):299–306
The detailed physical map of the temperate phage 16–3 of Rhizobium meliloti 41. Dorgai L, et al. **MGG** 1983; 191(3):430–3
Group A streptococcal phage T12 carries the structural gene for pyrogenic exotoxin type A. Johnson LP, et al. **MGG** 1984;194(1–2):52–6
Intracellular effects of phage phi W–14 DNA on transformation of Bacillus subtilis. Lopez P, et al. **MGG** 1984;193(1):85–91
Insertion and replication of the Pseudomonas aeruginosa mutator phage D3112. Rehmat S, et al. **MGG** 1983; 192(3):416–23
Overproduction and purification of the connector protein of Bacillus subtilis phage phi 29. Ibáñez C, et al. **Nucleic Acids Res** 1984 Mar 12;12(5):2351–65
The major coat protein gene of the filamentous Pseudomonas aeruginosa phage Pf3: absence of an N–terminal leader signal sequence. Luiten RG, et al. **Nucleic Acids Res** 1983 Nov 25;11(22):8073–85
Initiation of phage phi 29 DNA replication by the terminal protein modified at the carboxyl end. Mellado RP, et al. **Nucleic Acids Res** 1983 Nov 11;11(21):7397–407
The complete nucleotide sequence of the gene coding for diphtheria toxin in the corynephage omega (tox+) genome. Ratti G, et al. **Nucleic Acids Res** 1983 Oct 11; 11(19):6589–95
In vitro transcription of the Bacillus subtilis phage phi 29 DNA by Bacillus subtilis and Escherichia coli RNA polymerases. Sogo JM, et al. **Nucleic Acids Res** 1984 Feb 24;12(4):1943–60
Template requirements for initiation of phage phi 29 DNA replication in vitro. García JA, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(1):80–4
Nucleotide sequence of the structural gene for diphtheria toxin carried by corynebacteriophage beta. Greenfield L, et al. **Proc Natl Acad Sci USA** 1983 Nov;80(22):6853–7
Major coat protein and single–stranded DNA–binding protein of filamentous virus Pf3. Putterman DG, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(3):699–703
Replication of bacteriophage phi 29 DNA in vitro: the roles of terminal protein and DNA polymerase. Watabe K, et al. **Proc Natl Acad Sci USA** 1984 Sep;81(17):5374–8
Ribonucleoside triphosphate concentration–dependent termination of bacteriophage SP01 transcription in vitro by Bacillus subtilis RNA polymerase. Brennan SM. **Virology** 1984 Jun;135(2):555–60
Nucleotide sequence at the termini of the DNA of Streptococcus pneumoniae phage Cp–1. Escarmís C, et al. **Virology** 1984 Feb;133(1):166–71
The DNA of bacteriophage 643: isolation and properties of the DNA of a bacteriophage infecting lactic Streptococci. Lyttle DJ, et al. **Virology** 1984 Mar;133(2):403–15
Antibodies specific for the phi 29 terminal protein inhibit the initiation of DNA replication in vitro. Shih MF, et al. **Virology** 1984 Feb;133(1):56–64
A DNA substitution in the group A streptococcal bacteriophage SP24. Spanier JG, et al. **Virology** 1983 Oct 30;130(2):514–22
A restriction map and analysis of the terminal redundancy in the group a streptococcal bacteriophage SP24. Spanier JG, et al. **Virology** 1983 Oct 30;130(2):502–13
[Effect of plasmids R on the changes in S. flexneri sensitivity to phages] Czarny A, et al. **Med Dosw Mikrobiol** 1983; 35(2):131–6 (Eng. Abstr.) **(Pol)**
[Stimulation of the lysogenization of Pseudomonas aeruginosa cells by phage transposon B39 induced by plasmid Rms163] Gerasimov VA, et al. **Genetika (Moskva)** 1984 Jul; 20(7):1080–7 (Eng. Abstr.) **(Rus)**
[Introduction of the hybrid plasmid RP4::D3112 into Pseudomonas putida cells requires the presence of specific mutation in the phage genome] Gorbunova SA, et al. **Genetika (Moskva)** 1984 Jun;20(6):907–14 (Eng. Abstr.) **(Rus)**
[Transducing activity of the temperate SM bacteriophage of Pseudomonas aeruginosa] Gorelyshev AS, et al. **Genetika (Moskva)** 1984 Jan;20(1):185–6 (Eng. Abstr.) **(Rus)**
[Use of deletion mutants of plasmid RP4::D3112 for the genetic analysis of Pseudomonas aeruginosa bacteriophage D3112] Ianenko AS, et al. **Genetika (Moskva)** 1983 Nov; 19(11):1760–8 (Eng. Abstr.) **(Rus)**
[Transposition of the phage D3112 genome in Escherichia coli cells] Plotnikova TG, et al. **Genetika (Moskva)** 1983 Oct;19(10):1611–5 (Eng. Abstr.) **(Rus)**
[Multiplicity of the integration sites of Mu–like bacteriophages into Pseudomonas aeruginosa chromosome and plasmids] Plotnikova TG, et al. **Genetika (Moskva)** 1983 Oct;19(10):1604–10 (Eng. Abstr.) **(Rus)**
[Effect of plasmids from various incompatibility groups on the development of bacteriophages specific to Pseudomonas aeruginosa and Pseudomonas putida] Kulakov LA, et al. **Mikrobiologiia** 1984 May–Jun; 53(3):471–5 (Eng. Abstr.) **(Rus)**
[Dependence of the melting temperature of phage DNA on the GC pair content in a solvent with low ionic strength] Kul'ba AM, et al. **Mol Biol (Mosk)** 1983 Sep–Oct; 17(5):1108–11 (Eng. Abstr.) **(Rus)**
[Physical mapping of Streptomyces coelicolor A3(2) actinophages. VII. Formation of deletions in the region of phi C43 insertion sequence] Sladkova IA, et al. **Mol Biol (Mosk)** 1984 Mar–Apr;18(2):497–503 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Growth temperature–dependent variation in the bacteriophage–inactivating capacity and antigenicity of Yersinia enterocolitica lipopolysaccharide. Kawaoka Y, et al. **J Gen Microbiol** 1983 Sep;129 (Pt 9):2739–47
Large scale preparation of Rhizobium meliloti bacteriophages by fermenter culture. Werquin M, et al. **J Virol Methods** 1984 Feb;8(1–2):155–60
Prophage induction in thermosensitive DNA mutants of Bacillus subtilis. Mauël C, et al. **MGG** 1984;194(3):451–6
Prophage induction in Haemophilus influenzae and its relationship to mutation by chemical and physical agents. Balganesh M, et al. **Mutat Res** 1984 Jan;125(1):15–22
[Instability of host–virus association in Acholeplasma laidlawii infected by a mycoplasma virus of the Gourlay group L1] Roger A. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Mar; 254(1):139–45 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Chromogenic method to screen very large populations of bacteriophage plaques for the presence of specific antigen. Kaplan DA, et al. **Methods Enzymol** 1983;100:342–68

ISOLATION & PURIFICATION

Cyanophages. Gromov BV. **Ann Microbiol (Paris)** 1983 Jul–Aug;134B(1):43–59 (43 ref.)
Bacillus polymyxa bacteriophages from Brazilian soils. Seldin L, et al. **Antonie Van Leeuwenhoek** 1984;50(1):39–51
Ghost cells as sorption matrix for virus concentration from water. Armon R, et al. **Appl Environ Microbiol** 1984 Jun; 47(6):1337–40
Isolation and characterization of Corynebacterium diphtheriae nontandem double lysogens hyperproducing CRM197. Rappuoli R. **Appl Environ Microbiol** 1983 Sep; 46(3):560–4
Bacteriophages of methanotrophs isolated from fish. Tyutikov FM, et al. **Appl Environ Microbiol** 1983 Oct; 46(4):917–24
Some characteristics of mycoplasma virus Hr 1, isolated from and infecting Mycoplasma hyorhinis. Brief report. Gourlay RN, et al. **Arch Virol** 1983;77(1):81–5
Characteristics and classification of incC group plasmid–dependent phage C–1. Sirgel FA, et al. **Intervirology** 1983;20(2–3):155–8
A method for the enumeration of male–specific bacteriophages in sewage. Havelaar AH, et al. **J Appl Bacteriol** 1984 Jun;56(3):439–47
Isolation of two bacteriophages from Bacillus larvae, PBL1 and PBL0.5, and partial characterization of PBL1. Dingman DW, et al. **J Gen Virol** 1984 Jun;65 (Pt 6):1101–5
Bacteriophage concentration from water by filter chromatography. Farber FE, et al. **J Virol Methods** 1983 Dec;7(5–6):297–304
Isolation and characterization of a filamentous phage, Vf33, specific for Vibrio parahaemolyticus. Taniguchi H, et al. **Microbiol Immunol** 1984;28(3):327–37
Biological properties of a plaque–inducing agent obtained from Acholeplasma oculi. Ichimaru H, et al. **Yale J Biol Med** 1983 Sep–Dec;56(5–6):761–3
[Isolation of Vibrio phages of the non–01 group and their biological properties] Golkovskiĭ GM, et al. **Lab Delo** 1983; (9):53–5 (Eng. Abstr.) **(Rus)**

METABOLISM

Ligation of highly modified bacteriophage DNA. Cao XM, et al. **Biochim Biophys Acta** 1983 Nov 17;741(2):237–43
Synthesis of phage–specific transfer RNA molecules by vibriophage phi 149. Ghosh RK, et al. **FEBS Lett** 1983 Oct 3;162(1):177–9
Specific binding of a bacteriophage at a hydrocarbon–water interface. Pines O, et al. **J Bacteriol** 1984 Jan;157(1):179–83
Characterization of proteins induced by mitomycin C treatment of Bacillus subtilis. Mauël C, et al. **J Virol** 1984 Mar;49(3):806–12
Bacteriophage survival: multiple mechanisms for avoiding the deoxyribonucleic acid restriction systems of their hosts. Krüger DH, et al. **Microbiol Rev** 1983 Sep;47(3):345–60 (136 ref.)
Phosphate repression of phage protein synthesis during infection by choleraphage phi 149. Ray P, et al. **Virology** 1984 Jul 15;136(1):110–24
Binding of MVL–2 virus to A. laidlawii cells. Rottem S, et al. **Yale J Biol Med** 1983 Sep–Dec;56(5–6):765–9

PHYSIOLOGY

Changes in phage–sensitivity of Shigella flexneri strains. II. The F–like character of Ms2–sensitive variants. Kerekes L, et al. **Acta Microbiol Hung** 1983;30(2):119–23
Change in phage–sensitivity of Shigella flexneri strains. I. Changes in virulence and phage–sensitivity. Kerekes L, et al. **Acta Microbiol Hung** 1983;30(2):113–7
Lipopolysaccharide phage receptor of Proteus mirabilis 1959 strain. Site of phage–mediated hydrolysis in O–specific polysaccharide. Kaca W, et al. **Arch Immunol Ther Exp (Warsz)** 1983;31(6):905–14
A lipopolysaccharide–specific bacteriophage for Aeromonas salmonicida. Ishiguro EE, et al. **Can J Microbiol** 1983 Oct; 29(10):1458–61
Kinetics of heat inactivation of the Salmonella weltevreden typing phages. Sood LR, et al. **Indian J Med Res** 1984 Mar;79:312–7
The effect of suspended particulate material on cyanobacteria—cyanophage interactions in liquid culture. Barnet YM, et al. **J Appl Bacteriol** 1984 Feb;56(1):109–15
Use of bacteriophage–resistant mutants to study Actinomyces viscosus cell surface receptors. Tylenda CA, et al. **J Dent Res** 1983 Nov;62(11):1179–81
A phage–resistant mutant of Lactobacillus casei which permits phage adsorption but not genome injection. Watanabe K, et al. **J Gen Virol** 1984 May;65 (Pt 5):981–6
Steps in the stabilization of newly packaged DNA during

phage P22 morphogenesis. Strauss H, et al. **J Mol Biol** 1984 Feb 5;172(4):523–43

Coevolution of bacteria and phage: are there endless cycles of bacterial defenses and phage counterdefenses? Lenski RE. **J Theor Biol** 1984 Jun 7;108(3):319–25

Coevolution of directly contacting proteins in phage–bacterium ecosystem: possibility or fiction? Ratner VA, et al. **J Theor Biol** 1984 Jun 7;108(3):405–11

Formation and possible functions of alpha–putrescinylthymine in bacteriophage phi W–14 DNA: analysis of bacteriophage mutants with decreased levels of alpha–putrescinylthymine in their DNAs. Miller PB, et al. **J Virol** 1983 Sep;47(3):399–405

Biological properties of a plaque–inducing agent obtained from Acholeplasma oculi. Ichimaru H, et al. **Yale J Biol Med** 1983 Sep–Dec;56(5–6):761–3

Viruses of Spiroplasma citri and their possible effects on pathogenicity. Townsend R. **Yale J Biol Med** 1983 Sep–Dec;56(5–6):771–6 (13 ref.)

RADIATION EFFECTS

[Use of psoralen for detecting the conjugated damage to 2 chains in irradiated phage PM2 DNA] Gonikberg EM, et al. **Radiobiologiia** 1984 Jan–Feb;24(1):13–6 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Bacteriophage P22 capsids with a subgenome length of packaged DNA. Serwer P, et al. **J Virol** 1984 Jan; 49(1):293–6

Electron microscopy of bacteriophage phi 6 nucleocapsid: two–dimensional image analysis. Steely HT Jr, et al. **J Virol** 1984 Aug;51(2):479–83

Electron microscopy of bacteriophage phi 6 nucleocapsid: three–dimensional image analysis. Yang Y, et al. **J Virol** 1984 Aug;51(2):484–8

[Topology of the structural proteins of long tail fibers of phages T4D, DDVIh+ and DDVIh] Kretova AF, et al. **Mol Biol (Mosk)** 1983 Sep–Oct;17(5):1103–7 (Eng. Abstr.) **(Rus)**

BACTERIOPHAGES, RNA see **RNA PHAGES**

BACTERIOPHAGES T see **T–PHAGES**

BACTERIORHODOPSIN see under **CAROTENOIDS**

BACTERIURIA

Current concepts in the management of urinary tract infections in adults. Ronald AR. **Med Clin North Am** 1984 Mar;68(2):335–49 (29 ref.)

Isolation and characterization of group B streptococci from genito–urinary tracts in Japan. Yamane N, et al. **Tohoku J Exp Med** 1983 Nov;141(3):327–35

[Changes in the microflora after abdominal hysterectomy] Poulsen HK, et al. **Ugeskr Laeger** 1983 Sep 26; 145(39):3005–7 (Eng. Abstr.) **(Dan)**

COMPLICATIONS

The significance of asymptomatic bacteriuria in patients undergoing hip/knee arthroplasty. Glynn MK, et al. **Clin Orthop** 1984 May;(185):151–4

Bacteriuria and primary biliary cirrhosis. Burroughs AK, et al. **Gut** 1984 Feb;25(2):133–7

The clinical significance of Staphylococcus aureus bacteriuria. Arpi M, et al. **J Urol** 1984 Oct;132(4):697–700

Premature delivery and group B streptococcal bacteriuria [letter] White CP, et al. **Lancet** 1984 Sep 8;2(8402):586

Significance of asymptomatic bacteriuria in neurogenic bladder disease. Lewis RI, et al. **Urology** 1984 Apr; 23(4):343–7

[Asymptomatic bacteriuria—urinary tract infection—chronic pyelonephritis] Koskimies O, et al. **Duodecim** 1983; 99(17):1170–8 (49 ref.) **(Fin)**

DIAGNOSIS

Clinical laboratory evaluation of a bacteriuria detection device for urine screening. Davis JR, et al. **Am J Clin Pathol** 1984 Jan;81(1):48–53

Is the clean–catch midstream void procedure necessary for obtaining urine culture specimens from men? Lipsky BA, et al. **Am J Med** 1984 Feb;76(2):257–62

Evaluation of home monitoring for bacteriuria in children. Klauber GT, et al. **Contrib Nephrol** 1984;39:378–82

Detection of bacteriuria by bioluminescence: effect of pre–analysis centrifugation of specimens. Nichols WW, et al. **J Appl Bacteriol** 1984 Apr;56(2):247–57

Evaluation of the Bacteriuria Detection Device. Hoyt SM, et al. **J Clin Microbiol** 1983 Oct;18(4):882–4

Rapid detection of bacteriuria by laser nephelometry. Richet H, et al. **J Clin Microbiol** 1984 Feb;19(2):240–4

Use of leukocyte esterase–nitrate activity as predictive assays of significant bacteriuria. Smalley DL, et al. **J Clin Microbiol** 1983 Nov;18(5):1256–7

Screening for asymptomatic bacteriuria with Microstix. Archbald FJ, et al. **J Reprod Med** 1984 Apr;29(4):272–4

In vitro–produced antibody–coated bacteria. Fujimura N, et al. **Urol Int** 1983;38(5):275–8

Fallibility of Griess (nitrite) test. Roy JB, et al. **Urology** 1984 Mar;23(3):270–1

Rapid detection of bacteriuria in bacteriological routine laboratory: comparison between bioluminescence method and culture techniques. Beckers B, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Jul; 254(4):515–20

[Detection of antibody–coated bacteria in the urine of adults with chronic pyelonephritis] Naumann G, et al. **Immun Infekt** 1983 Mar;11(2):51–4 (Eng. Abstr.) **(Ger)**

[Diagnostic problems of the leading symptom of bacteriuria in preventive occupational medicine examinations] Fuchs GH, et al. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1983 Jul;33(7):210–6 **(Ger)**

[Rare clinical symptoms of latent urinary tract infections in older children] Prandota J, et al. **Wiad Lek** 1983 Sep 1; 36(17):1469–73 (Eng. Abstr.) **(Pol)**

[Urinary microflora and means for determining the etiological role of isolated microbes] Mel'nik VP, et al. **Lab Delo** 1984; (3):175–6 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Pivmecillinam in treatment of complicated urinary tract infections during initial prophylactic therapy after radical hysterectomy. Tamaya T, et al. **Asia Oceania J Obstet Gynaecol** 1984 Mar;10(1):25–9

Bacteriuria in pregnancy treated with a single dose of cephalexin. Campbell–Brown M, et al. **Br J Obstet Gynaecol** 1983 Nov;90(11):1054–9

Single–dose antibacterial treatment for bacteriuria in pregnancy. Bailey RR. **Drugs** 1984 Feb;27(2):183–6

Effect of the pH and osmolality of urine on the antibacterial activity of gentamicin. Papapetropoulou M, et al. **J Antimicrob Chemother** 1983 Dec;12(6):571–5

Pivmecillinam for bacteriuria in pregnancy. Sanderson P, et al. **J Antimicrob Chemother** 1984 Apr;13(4):383–8

[Treatment of urinary tract infections] Glauser MP. **Ther Umsch** 1984 May;41(5):330–4 (Eng. Abstr.) **(Fre)**

[Activity and tolerance of cefotaxime in patients with severe renal insufficiency] Amico F, et al. **G Ital Chemioter** 1983 May–Dec;30(2–3):149–51 **(Ita)**

[Effectiveness of netilmicin in the treatment of urinary tract infections] Borówka A, et al. **Pol Tyg Lek** 1983 Oct 10; 38(41):1285–7 (Eng. Abstr.) **(Pol)**

ETIOLOGY

Bacteriuria following vaginal delivery. Younis MN, et al. **Int J Gynaecol Obstet** 1983 Dec;21(6):477–9

Recurrent bacteriuria and primary biliary cirrhosis: ABO blood group, P1 blood group, and secretor status. Rosenstein IJ, et al. **J Clin Pathol** 1984 Sep;37(9):1055–8

Bacterial adherence in the human ileal conduit: a morphological and bacteriological study. Bruce AW, et al. **J Urol** 1984 Jul;132(1):184–8

Urethral meatal colonization in the pathogenesis of catheter–associated bacteriuria. Schaeffer AJ, et al. **J Urol** 1983 Dec;130(6):1096–9

Catheter–associated urinary–tract infection [letter] Davies AJ, et al. **Lancet** 1984 Jan 7;1(8367):44

Pregnancy following urinary diversion. Barrett RJ 2d, et al. **Obstet Gynecol** 1983 Nov;62(5):582–6

Immune complex glomerulonephritis and chronic anaerobic urinary infection—complications of filariasis. Ormerod AD, et al. **Postgrad Med J** 1983 Nov;59(697):730–3

Multidrug–resistant Serratia marcescens bacteriuria related to urologic instrumentation. Echols RM, et al. **South Med J** 1984 Feb;77(2):173–7

Indwelling urinary catheter infections in small community hospital. Role of urinary drainage bag. Pien FD, et al. **Urology** 1983 Sep;22(3):255–8

[Onset and significance of postoperative bacteriuria] Riss P, et al. **Geburtshilfe Frauenheilkd** 1984 Jun;44(6):363–5 (Eng. Abstr.) **(Ger)**

[Asymptomatic bacteriuria in pregnant women demonstrated after bladder puncture] Sandvei R, et al. **Tidsskr Nor Laegeforen** 1983 Jun 10;103(16):1320–2 (Eng. Abstr.) **(Nor)**

IMMUNOLOGY

Dextran–reactive antibodies in children. Appearance during the first 4 years of life and relation to E. coli infections in the urinary tract. Hattevig G, et al. **Acta Paediatr Scand** 1983 Nov;72(6):849–51

MICROBIOLOGY

Low urinary counts of P–fimbriated Escherichia coli in presumed acute pyelonephritis. Bollgren I, et al. **Arch Dis Child** 1984 Feb;59(2):102–6

Bacterial changes in the urine samples of patients with long–term indwelling catheters. Breitenbucher RB. **Arch Intern Med** 1984 Aug;144(8):1585–8

Prevalence of gentamicin resistance among bacterial isolates from urine culture. Atukorala SD, et al. **Ceylon Med J** 1983 Jun;28(2):86–7

Haemophilus organisms: urinary tract pathogens in children? Burns TR, et al. **Diagn Microbiol Infect Dis** 1984 Jun; 2(3):251–3

Rapid screening of urine for significant bacteriuria by Gram stain, acridine orange stain, and the Autobac MTS system. Crout FV, et al. **Diagn Microbiol Infect Dis** 1984 Jun; 2(3):179–86

Use of the Becton–Dickinson urine culture tube with the Abbott MS–2 urine screening system. Southern PM Jr, et al. **Diagn Microbiol Infect Dis** 1984 Jun;2(3):193–8

R–plasmids in Klebsiella pneumoniae isolated from urine and purulent fluids. Kaur I, et al. **Indian J Med Res** 1983 May; 77:594–8

Klebocin types in urinary and purulent fluid isolates of Klebsiella pneumoniae. Kaur I, et al. **Indian J Med Res** 1983 May;77:599–601

Significant bacteriuria: effect of storage, temperature and H ion concentration. Dalal P, et al. **Indian J Pathol Microbiol** 1983 Jul;26(3):201–4

Bactericidal effects of norfloxacin towards bacteria in urine. Lacey RW, et al. **J Antimicrob Chemother** 1984 May;13 Suppl B:49–54

Volatile products from acetylcholine as markers in the rapid urine test using head–space gas–liquid chromatography. Davies T, et al. **J Chromatogr** 1984 Apr 13;307(1):11–21

Evaluation of a two–minute test for urine screening. Pezzlo MT, et al. **J Clin Microbiol** 1983 Sep;18(3):697–701

Clinical laboratory evaluation of a urine screening device. Pfaller MA, et al. **J Clin Microbiol** 1983 Sep;18(3):674–9

Evaluation of the MS–2 urine screening system. Smith JA, et al. **J Clin Microbiol** 1983 Sep;18(3):509–11

A mechanised batch screening method for the detection of bacteriuria. Kerfoot P, et al. **J Clin Pathol** 1983 Nov; 36(11):1318–9

When should a urine specimen be examined after removal of a urinary catheter? Davies AJ, et al. **J Hosp Infect** 1983 Jun;4(2):177–80

In vitro attachment of Escherichia coli to human uroepithelial cells: variation in receptivity during the menstrual cycle and pregnancy. Reid G, et al. **J Infect Dis** 1983 Sep;148(3):412–21

Bacteriuria due to Ureaplasma urealyticum and Gardnerella vaginalis in women with preeclampsia. Savige JA, et al. **J Infect Dis** 1983 Sep;148(3):605

Culture of mid catheter urine collected via an open–ended catheter: a reliable guide to bladder bacteriuria. Murphy BF, et al. **J Urol** 1984 Jan;131(1):19–21

Rupture of fetal membranes and premature delivery associated with group B streptococci in urine of pregnant women. Møller M, et al. **Lancet** 1984 Jul 14;2(8394):69–70

Bacteriuria in the catheterized patient. What quantitative level of bacteriuria is relevant? Stark RP, et al. **N Engl J Med** 1984 Aug 30;311(9):560–4

A retrospective study of mid–stream urine specimens. Taffinder AP, et al. **Practitioner** 1984 Jan;228(1387):105–9

Asymptomatic urinary tract infection caused by Shigella sonnei. Ekwall E, et al. **Scand J Infect Dis** 1984;16(1):121–2

Office bacteriology: techniques and interpretations. Fowler JE Jr. **Semin Urol** 1983 May;1(2):97–105

The bacteriology of the urine and renal calculi. Lewi HJ, et al. **Urol Res** 1984;12(2):107–9

Bacteriuria screening and antimicrobial susceptibility testing of aerobic bacteria by an electrochemical method. Strassburger J, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 Apr; 256(4):466–74

[Urine diagnosis with immersed culture media. Errors in bacteriologic studies] Schmitt HJ. **MMW** 1983 Dec 16; 125(50):1180–1 **(Ger)**

[In vitro sensitivity of 320 bacterial strains, isolated from urine culture, to 12 microbial agents] Riviera L, et al. **Ann Sclavo** 1982 Sep–Oct;24(5):503–12 (Eng. Abstr.) **(Ita)**

[Antibiotic sensitivity of bacteria isolated from the urine of ambulatory care patients with infections of the urinary tract, with special emphasis on the sensitivity of E. coli serotypes] Tambić T, et al. **Lijec Vjesn** 1982 Nov–Dec; 104(11–12):501–4 (Eng. Abstr.) **(Scr)**

OCCURRENCE

Bacteriuria in children. Abbas KA, et al. **JPMA** 1983 Aug; 33(8):197–202

Isolation of Ureaplasma urealyticum from healthy young persons in Korea. Chang MW. **Microbiol Immunol** 1984; 28(1):113–6

Bacteriuria in elderly men [letter] **N Engl J Med** 1984 May 24;310(21):1391–2

Bacteriuria in elderly institutionalized men. Nicolle LE, et al. **N Engl J Med** 1983 Dec 8;309(23):1420–5

[Nonspecific infections in pregnancy and prematurity] Menzel K, et al. **Zentralbl Gynakol** 1983;105(17):1126–9 **(Ger)**

[Bacteriologic evaluation of urinary tract infections in children] Szymborski J, et al. **Wiad Lek** 1984 Mar 1; 37(5):349–55 (Eng. Abstr.) **(Pol)**

[Prevalence of bacteriuria in different groups of the population] González E, et al. **Rev Chil Pediatr** 1983 Jul–Aug;54(4):286–90 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Renal functional changes in schoolgirls with covert asymptomatic bacteriuria. Verrier Jones K, et al. **Contrib Nephrol** 1984;39:152–63

Bacteriuria in pregnancy and growth and development of the infants. Gofin R, et al. **Early Hum Dev** 1984 Jun; 9(4):341–6

The effect of covert bacteriuria in schoolgirls on renal function at 18 years and during pregnancy. Davison JM,

et al. **Lancet** 1984 Sep 22;2(8404):651–5

PREVENTION & CONTROL

Continuous sulfa prophylaxis for urinary tract infection in renal transplant recipients. Peters C, et al. **Am J Surg** 1983 Nov;146(5):589–93

Decontamination of urinary bags for rehabilitation patients. Hashisaki P, et al. **Arch Phys Med Rehabil** 1984 Aug; 65(8):474–6

Hydrogen peroxide: potential for prophylaxis against bacteriuria. Reeves KD, et al. **Arch Phys Med Rehabil** 1984 Jan;65(1):11–4

Catheter-associated bacteriuria. Failure to reduce attack rates using periodic instillations of a disinfectant into urinary drainage systems. Thompson RL, et al. **JAMA** 1984 Feb 10;251(6):747–51

Antibacterial prophylaxis during intermittent catheterization [editorial] Van Scoy RE. **Mayo Clin Proc** 1984 Aug; 59(8):573

The effect of a short antibiotic course in transurethral prostatic resection. Grabe M, et al. **Scand J Urol Nephrol** 1984;18(1):37–42

[Effect of antibiotic prophylaxis, long-term low dosage chemoprophylaxis and bladder wash-outs on the appearance of acquired bacteriuria in patients with permanent bladder catheter] Aragona F, et al. **Actas Urol Esp** 1983 May–Jun;7(3):195–8 (Eng. Abstr.) **(Spa)**

THERAPY

Evaluation of operational failures in clinical decision making. Palmer RH, et al. **Med Decis Making** 1983;3(3):299–310

URINE

Particle size distribution analysis as a rapid method to detect significant bacteriuria. Baker JS, et al. **Am J Med Technol** 1983 Oct;49(10):727–32

Batch screening method for the detection of bacteriuria [letter] Kerfoot P, et al. **J Clin Pathol** 1984 Aug;37(8):957

Batch screening method for detection of bacteriuria [letter] Maskell R. **J Clin Pathol** 1984 Mar;37(3):355–6

[Semiquantitative determination of leukocyturia, a necessary complement to urine culture] Bovelacci A, et al. **Quad Sclavo Diagn** 1983 Mar;19(1):141–6 (Eng. Abstr.) **(Ita)**

[Bladder puncture in premature newborn infants with bacteriuria in the urine collected in bags] Martín Caballero JM, et al. **An Esp Pediatr** 1983 Oct;19(4):279–86 (Eng. Abstr.) **(Spa)**

VETERINARY

The long term efficacy of a hardjo–pomona vaccine in preventing leptospiruria in catle exposed to natural challenge with Leptospira interrogans serovar hardjo. Hancock GA, et al. **Aust Vet J** 1984 Feb;61(2):54–6

Results of analyses and bacterial cultures of urine specimens obtained from clinically normal cats by three methods. Lees GE, et al. **J Am Vet Med Assoc** 1984 Feb 15;184(4):449–54

BACTEROIDACEAE

PATHOGENICITY

Synergistic effect of bacteroides, Clostridium, Fusobacterium, anaerobic cocci, and aerobic bacteria on mortality and induction of subcutaneous abscesses in mice. Brook I, et al. **J Infect Dis** 1984 Jun;149(6):924–8

BACTEROIDES

ANALYSIS

Evidence for a membrane-bound form of a bacteriocin of Bacteroides uniformis Tl-1. Austin-Prather SL, et al. **Can J Microbiol** 1984 Feb;30(2):268–72

Fractionation of hemagglutinating and bacterial binding adhesins of Bacteroides gingivalis. Boyd J, et al. **Infect Immun** 1984 Aug;45(2):403–9

Isolation and characterization of the outer membrane and lipopolysaccharide from Eikenella corrodens. Progulske A, et al. **Infect Immun** 1984 Jan;43(1):166–77

Quantitative test for Bacteroides nodosus pilus protein by an agglutination-absorption test. Every D. **J Appl Bacteriol** 1983 Oct;55(2):305–13

Isolation and characterization of outer membranes of Bacteroides thetaiotaomicron grown on different carbohydrates. Kotarski SF, et al. **J Bacteriol** 1984 Apr; 158(1):102–9

Analysis of the outer membrane proteins of Bacteroides nodosus, the causal organism of ovine footrot. Emery DL, et al. **Vet Microbiol** 1984 Apr;9(2):155–68

CLASSIFICATION

Classification of Bacteroides nodosus by agglutination tests. Claxton PD, et al. **Aust Vet J** 1983 Nov;60(11):331–4

Numerical taxonomy of some non-saccharolytic and saccharolytic Bacteroides species. Knivett VA, et al. **J Appl Bacteriol** 1983 Aug;55(1):71–80

Characterization of black-pigmented Bacteroides strains isolated from animals. Laliberté M, et al. **J Appl Bacteriol** 1983 Oct;55(2):247–52

Genus Bacteroides. A chemotaxonomical perspective. Shah HN, et al. **J Appl Bacteriol** 1983 Dec;55(3):403–16 (67 ref.)

Serological identification of oral Bacteroides spp. by enzyme-linked immunosorbent assay. Ebersole JL, et al. **J Clin Microbiol** 1984 May;19(5):639–44

Rapid glutamic acid decarboxylase test for identification of Bacteroides and Clostridium spp. Jilly BJ, et al. **J Clin Microbiol** 1984 May;19(5):592–3

Taxonomy of anaerobes: present state of the art. Holdeman LV, et al. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl 1:S3–10 (68 ref.)

[Species composition of nonpigment-forming bacteroids isolated from the intestines of healthy persons and from clinical material] Komarovskaia TP. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Mar;(3):39–44 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Colonization of the subgingival area by Bacteroides gingivalis. Takazoe I, et al. **J Dent Res** 1984 Mar; 63(3):422–6

DRUG EFFECTS

Susceptibility testing of anaerobic bacteria. Citron D. **Am J Med Technol** 1983 Nov;49(11):769–72

Synergism between penicillin, clindamycin, or metronidazole and gentamicin against species of the Bacteroides melaninogenicus and Bacteroides fragilis groups. Brook I, et al. **Antimicrob Agents Chemother** 1984 Jan;25(1):71–7

Comparative activities of aztreonam and cefotaxime against Escherichia coli and Bacteroides spp. in pure and mixed cultures. Soriano F, et al. **Antimicrob Agents Chemother** 1984 Jul;26(1):39–41

In vivo protection of penicillin-susceptible Bacteroides melaninogenicus from penicillin by facultative bacteria which produce beta-lactamase. Brook I, et al. **Can J Microbiol** 1984 Jan;30(1):98–104

Galactosamine inhibition of protein synthesis in Bacteroides thetaiotaomicron. Salyers AA, et al. **Can J Microbiol** 1983 Nov;29(11):1532–8

In vitro synergy and potentiation between cefotaxime and desacetylcefotaxime against clinical isolates of Bacteroides. Aldridge KE, et al. **Diagn Microbiol Infect Dis** 1984 Jun; 2(3 Suppl):47S–53S

In vitro susceptibility of Eikenella corrodens to thirteen beta-lactam antibiotics and fosfomycin [letter] Schröter G, et al. **Eur J Clin Microbiol** 1983 Dec;2(6):608–9

Susceptibility of Bacteroides nodosus to various antimicrobial agents. Gradin JL, et al. **J Am Vet Med Assoc** 1983 Aug 15;183(4):434–7

Synergistic activity of cefsulodin combined with cefoxitin and sulbactam against Bacteroides species. Fu KP, et al. **J Antimicrob Chemother** 1984 Mar;13(3):257–65

Effects of sub-minimum inhibitory concentrations of cephalosporins on Bacteroides species. Guss SP, et al. **J Antimicrob Chemother** 1984 Jun;13(6):633–5

Activity of cefotaxime and metronidazole against bacteroides and Escherichia coli alone and in mixed culture. Soriano F, et al. **J Antimicrob Chemother** 1983 Jul;12(1):89–92

[Experimental and clinical evaluation of T-1982 (cefbuperazone) in the field of obstetrics and gynecology] Ninomiya K, et al. **Jpn J Antibiot** 1983 May;36(5):986–93 (Eng. Abstr.) **(Jpn)**

[Drug resistance of bacteria—the current status and future prospect. 6. Bacteroides] Okada J. **Nippon Rinsho** 1984 Mar; 42(3):690–5 **(Jpn)**

ENZYMOLOGY

Purification and characterization of mucopolysaccharidase from an oral strain of Bacteroides sp. Taniguchi H, et al. **Appl Environ Microbiol** 1983 Dec;46(6):1252–7

Characterization of a trypsin-like protease from the bacterium Bacteroides gingivalis isolated from human dental plaque. Yoshimura F, et al. **Arch Oral Biol** 1984; 29(7):559–64

Purification and characterization of an immunoglobulin A1 protease from Bacteroides melaninogenicus. Mortensen SB, et al. **Infect Immun** 1984 Sep;45(3):550–7

Characterization of cephalosporinases from Bacteroides fragilis, Bacteroides thetaiotaomicron and Bacteroides vulgatus. Sato K, et al. **J Antibiot (Tokyo)** 1983 Jan; 36(1):76–85

In-vivo protection of group A beta-haemolytic streptococci from penicillin by beta-lactamase-producing Bacteroides species. Brook I, et al. **J Antimicrob Chemother** 1983 Dec; 12(6):599–606

Isolation and characterization of two chondroitin lyases from Bacteroides thetaiotaomicron. Linn S, et al. **J Bacteriol** 1983 Nov;156(2):859–66

API ZYM system for identification of Bacteroides spp., Capnocytophaga spp., and spirochetes of oral origin. Laughon BE, et al. **J Clin Microbiol** 1982 Jan;15(1):97–102

Inhibition of sphingolipid synthesis by cycloserine in vitro and in vivo. Sundaram KS, et al. **J Neurochem** 1984 Feb; 42(2):577–81

Thiol-dependent collagenolytic activity in culture media of Bacteroides gingivalis. Toda K, et al. **J Periodont Res** 1984 Jul;19(4):372–81

Detection of the extracellular proteases of Bacteroides nodosus in polyacrylamide gels: a rapid method of distinguishing virulent and benign ovine isolates. Kortt AA, et al. **Res Vet Sci** 1983 Sep;35(2):171–4

Enzymes associated with the survival and virulence of gram-negative anaerobes. Bjornson HS. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl 1:S21–4 (31 ref.)

Degradation in vivo of the C3 protein of guinea-pig complement by a pathogenic strain of Bacteroides gingivalis. Sundqvist GK, et al. **Scand J Dent Res** 1984 Feb;92(1):14–24

The thermostability of proteases from virulent and benign strains of Bacteroides nodosus. Depiazzi LJ, et al. **Vet Microbiol** 1984 Jul;9(3):227–36

GENETICS

Isolation of the gene encoding pilin of Bacteroides nodosus (strain 198), the causal organism of ovine footrot. Elleman TC, et al. **FEBS Lett** 1984 Jul 23;173(1):103–7

Large transmissible clindamycin resistance plasmid in Bacteroides ovatus. Smith CJ, et al. **J Bacteriol** 1984 May; 158(2):739–41

GROWTH & DEVELOPMENT

Hypoprothrombinemia in febrile, neutropenic patients with cancer: association with antimicrobial suppression of intestinal microflora. Conly JM, et al. **J Infect Dis** 1984 Aug;150(2):202–12

Effect of dietary fiber on a guinea pig intestinal anaerobe, Bacteroides ovatus. Johanning GL, et al. **J Nutr** 1984 Feb; 114(2):354–60

Metabolism of bile acid oxazoline derivatives by hepatocyte monolayer cultures and intestinal anaerobic bacteria. Hylemon PB, et al. **Steroids** 1983 Jul;42(1):105–14

IMMUNOLOGY

Purification, characterization, and serologic characteristics of Bacteroides nodosus pili and use of a purified pili vaccine in sheep. Lee SW, et al. **Am J Vet Res** 1983 Sep; 44(9):1676–81

Antigenic heterogeneity of Bacteroides intermedius as recognized by monoclonal antibodies. Gmür R, et al. **Infect Immun** 1983 Nov;42(2):459–70

A type-specific antigen of Eikenella corrodens is the major outer membrane protein. Maliszewski CR, et al. **Infect Immun** 1983 Oct;42(1):208–13

Effects of an immunomodulating agent on peripheral blood lymphocytes and subgingival microflora in ligature-induced periodontitis. Manti F, et al. **Infect Immun** 1984 Jul;45(1):172–9

Enhancement of experimental ulcerative colitis by immunization with Bacteroides vulgatus. Onderdonk AB, et al. **Infect Immun** 1983 Nov;42(2):783–8

Identification of bacteria in immunopathological mechanisms of human periodontal diseases. Peković DD, et al. **J Periodont Res** 1984 Jul;19(4):329–51

Effect of pilus dose and type of Freund's adjuvant on the antibody and protective responses of vaccinated sheep to Bacteroides nodosus. Stewart DJ, et al. **Res Vet Sci** 1983 Sep;35(2):130–7

Role of complement in host resistance against members of the Bacteroidaceae. Bjornson AB. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl 1:S34–9

Serum antibodies to Bacteroides species in chronic inflammatory bowel disease. Tvede M, et al. **Scand J Gastroenterol** 1983 Sep;18(6):783–9

Phagocytosis of Bacteroides nodosus by ovine peripheral blood leucocytes. Emery DL, et al. **Vet Microbiol** 1984 Apr;9(2):169–79

[Antibodies to Bacteroides antigens in the blood serum] Tyshko AG, et al. **Vrach Delo** 1984 Feb;(2):111–2 **(Rus)**

ISOLATION & PURIFICATION

Evaluation of the Anaerobe-Tek system for the identification of Bacteroides and Fusobacterium species. Vege A, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1983 Oct; 91(5):371–2

Effect of selective media on recovery of obligately anaerobic gram-negative rods from human faeces. Ruseler-Van Embden JG, et al. **Antonie Van Leeuwenhoek** 1983 Nov; 49(4–5):411–6

beta-Lactamase-producing bacteria recovered after clinical failures with various penicillin therapy. Brook I. **Arch Otolaryngol** 1984 Apr;110(4):228–31

Bacteroides melaninogenicus. Its recovery from tonsils of children with acute tonsillitis. Brook I, et al. **Arch Otolaryngol** 1983 Dec;109(12):818–20

Amino acid sequence of pilin from Bacteroides nodosus (strain 198), the causative organism of ovine footrot. McKern NM, et al. **FEBS Lett** 1983 Nov 28;164(1):149–53

A longitudinal microbiological investigation of Actinobacillus actinomycetemcomitans and Eikenella corrodens in juvenile periodontitis. Mandell RL. **Infect Immun** 1984 Sep;45(3):778–80

Bacteriological study of periodontal lesions in two sisters with juvenile periodontitis and their mother. Okuda K, et al. **Infect Immun** 1984 Jul;45(1):118–21

Vancomycin as a selective agent for isolation of Bacteroides species. van Winkelhoff AJ, et al. **J Clin Microbiol** 1983 Nov;18(5):1282–4

ELISA and conventional techniques for identification of black-pigmented Bacteroides isolated from periodontal

pockets. Dzink JL, et al. **J Periodont Res** 1983 Jul; 18(4):369–74

A selective medium for isolation and presumptive identification of the Bacteriodes fragilis group. Ushijima T, et al. **Microbiol Immunol** 1983;27(12):985–93

Identification of bacteria in immunopathologic mechanisms of human dental pulp. Peković DD, et al. **Oral Surg** 1984 Jun;57(6):652–61

Bacteroides coagulans osteoarthritis. García-Tornel S, et al. **Pediatr Infect Dis** 1983 Nov–Dec;2(6):472–4

Isolation and ultrastructure of Bacteroides sp. with external cell-wall layer (S-layer) in periapical osteitis. Ranta H, et al. **Scand J Dent Res** 1983 Dec;91(6):458–64

[Methods of isolation and identification of Bacteroides (review of the literature)] Bazhenov LG, et al. **Lab Delo** 1983;(7):3–6 (40 ref.) (Eng. Abstr.) **(Rus)**

[Bacteroides and the treatment of phlegmons of the maxillofacial area] Bazhanov NN, et al. **Stomatologiia (Mosk)** 1983 Jul–Aug;62(4):32–4 (Eng. Abstr.) **(Rus)**

METABOLISM

L-cycloserine inhibition of sphingolipid synthesis in the anaerobic bacterium Bacteroides levii. Sundaram KS, et al. **Biochem Biophys Res Commun** 1984 Mar 15;119(2):814–9

Phenylacetic acid production by Bacteroides gingivalis from phenylalanine and phenylalanine-containing peptides. Bourgeau G, et al. **Can J Microbiol** 1983 Sep;29(9):1184–9

Alpha-ketoglutarate metabolism by cytochrome-containing anaerobes. Caldwell DR, et al. **Can J Microbiol** 1983 Jul; 29(7):790–6

Degradation of the human proteinase inhibitors alpha-1-antitrypsin and alpha-2-macroglobulin by Bacteroides gingivalis. Carlsson J, et al. **Infect Immun** 1984 Feb;43(2):644–8

Production of menaquinones by intestinal anaerobes. Ramotar K, et al. **J Infect Dis** 1984 Aug;150(2):213–8

Degradation of albumin, haemopexin, haptoglobin and transferrin, by black-pigmented Bacteroides species. Carlsson J, et al. **J Med Microbiol** 1984 Aug;18(1):39–46

Activation of Hageman factor by lipopolysaccharides of Bacteroides fragilis, Bacteroides vulgatus, and Fusobacterium mortiferum. Bjornson HS. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl 1:S30–3

[Colonization of the small intestine] Opoczyńska-Karczewska E. **Wiad Lek** 1983 Jul 15; 36(14):1183–7 (21 ref.) **(Pol)**

[Nonfermentative gram-negative bacteria—Eikenella corrodens] Shenderov BA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Feb;(2):3–7 (36 ref.) **(Rus)**

PATHOGENICITY

Biological activities of Eikenella corrodens outer membrane and lipopolysaccharide. Progulske A, et al. **Infect Immun** 1984 Jan;43(1):178–82

Black-pigmented Bacteroides species, Capnocytophaga species, and Actinobacillus actinomycetemcomitans in human periodontal disease: virulence factors in colonization, survival, and tissue destruction. Slots J, et al. **J Dent Res** 1984 Mar;63(3):412–21

The pathogenic properties of Fusobacterium and Bacteroides species from wallabies and other sources. Smith GR, et al. **J Hyg (Lond)** 1984 Apr;92(2):165–75

Pathogenicity of encapsulated Bacteroides melaninogenicus group, B. oralis and B. ruminicola subsp. brevis in abscesses in mice. Brook I, et al. **J Infect** 1983 Nov;7(3):218–26

Histopathological effects in the palate of the rat induced by injection with different black-pigmented Bacteroides strains. Roeterink CH, et al. **J Periodont Res** 1984 May; 19(3):292–302

Pathogenicity of anaerobic gram-negative rods: possible mechanisms. Hofstad T. **Rev Infect Dis** 1984 Mar–Apr; 6(2):189–99

Occurrence of penicillin-resistant and beta-lactamase-producing Bacteroides species in the oral cavity. Heimdahl A, et al. **Scand J Gastroenterol [Suppl]** 1984;91:13–30

PHYSIOLOGY

Significance of encapsulated Bacteroides melaninogenicus and Bacteroides fragilis groups in mixed infections. Brook I, et al. **Infect Immun** 1984 Apr;44(1):12–5

Effect of heme on Bacteroides distasonis catalase and aerotolerance. Gregory EM, et al. **J Bacteriol** 1983 Dec; 156(3):1012–8

[Determination of the ecological niche of Bacteroides in the gastrointestinal tract—a study of a model of sterile intestines in germ-free animals] Intizarov MM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 May;(5):58–62 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Morphological changes in the bacterium Bacteroides melaninogenicus subspecies melaninogenicus isolated from the human mouth and grown in culture without added blood components. Okuda K, et al. **Arch Oral Biol** 1984; 29(1):81–5

BACTEROIDES CORRODENS see under **BACTEROIDES**

BACTEROIDES FRAGILIS

ANALYSIS

Purification and properties of a cell-bound bacteriocin from a Bacteroides fragilis strain. Southern JA, et al. **Antimicrob Agents Chemother** 1984 Feb;25(2):253–7

Capsular polysaccharides and lipopolysaccharides from two strains of Bacteroides fragilis. Kasper DL, et al. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl 1:S25–9

CLASSIFICATION

[Typing of Bacteroides fragilis by bacteriocin production] Hor LI, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1984 May;17(2):81–5 (Eng. Abstr.) **(Chi)**

DRUG EFFECTS

Synergism between penicillin, clindamycin, or metronidazole and gentamicin against species of the Bacteroides melaninogenicus and Bacteroides fragilis groups. Brook I, et al. **Antimicrob Agents Chemother** 1984 Jan;25(1):71–7

Comparative antibacterial activities of 7 alpha-methoxy cephalosporins and 7 beta-methoxyiminoacetamido cephalosporins against Bacteroides fragilis. Kesado T, et al. **Antimicrob Agents Chemother** 1984 Jan;25(1):131–3

Effect of clavulanic acid on the activities of ten beta-lactam agents against members of the Bacteroides fragilis group. Lamothe F, et al. **Antimicrob Agents Chemother** 1984 May; 25(5):662–5

Bactericidal activities of new beta-lactam antibiotics against Bacteroides fragilis. Yu PK, et al. **Antimicrob Agents Chemother** 1983 Jul;24(1):1–4

Interaction of cefotaxime and desacetylcefotaxime against pathogenic bacteria. Assessment with the serum bactericidal test. Reller LB. **Diagn Microbiol Infect Dis** 1984 Jun;2(3 Suppl):55S–61S

Increasing resistance of Bacteroides fragilis group strains to metronidazole in Spain between 1977 and 1982 [letter] Borobio MV, et al. **Eur J Clin Microbiol** 1984 Apr; 3(2):153–5

Antibiotic-induced modification of Bacteroides fragilis and its susceptibility to phagocytosis by human polymorphonuclear leukocytes. Gemmell CG, et al. **Eur J Clin Microbiol** 1983 Aug;2(4):327–34

Susceptibility of Bacteroides fragilis to cefotaxime and piperacillin: tentative interpretative standards for the disc-diffusion test [letter] Luzzi I, et al. **Eur J Clin Microbiol** 1984 Feb;3(1):37–9

Activity of ceftizoxime and comparative compounds against Bacteroides fragilis in a mouse model of anaerobic infection. Grappel SF, et al. **J Antibiot (Tokyo)** 1984 Apr; 37(4):384–8

Timed bacteriostatic and bactericidal activities of selected antimicrobial agents against Bacteroides fragilis isolated from clinical specimens. Masuda G. **J Antibiot (Tokyo)** 1984 Apr;37(4):401–7

Metronidazole resistance in Bacteroides fragilis [letter] Britz ML, et al. **J Antimicrob Chemother** 1984 Apr;13(4):393–5

Variations in susceptibility to latamoxef(moxalactam) and cefoxitin within the Bacteroides fragilis group. Eley A, et al. **J Antimicrob Chemother** 1984 Mar;13(3):245–55

Bacteroides fragilis resistant to metronidazole [letter] Eme MA, et al. **J Antimicrob Chemother** 1983 Nov;12(5):523–4

Activity of trimethoprim (TMP), sulphamethoxazole (SMX) and the combination against Bacteroides fragilis group isolates. Jackson-York GL, et al. **J Antimicrob Chemother** 1983 Nov;12(5):515–8

Susceptibility studies in the Bacteroides fragilis group resistant to clindamycin [letter] Liñares J, et al. **J Antimicrob Chemother** 1983 Sep;12(3):293

Cephalosporin-resistance in the Bacteroides fragilis group and the effect of clavulanic acid. Maskell JP, et al. **J Antimicrob Chemother** 1984 Jan;13(1):23–30

Increasing incidence of clinical isolates of Bacteroides fragilis resistant to clindamycin [letter] Soriano F, et al. **J Antimicrob Chemother** 1984 Apr;13(4):395

Rapid detection of clindamycin resistance in Bacteroides spp. Murray PR, et al. **J Clin Microbiol** 1983 Oct;18(4):1001–2

Transfer of tetracycline or clindamycin resistance among strains of Bacteroides fragilis in experimental abscesses. Butler E, et al. **J Infect Dis** 1984 Jul;150(1):20–4

Mechanism of action of metronidazole on Bacteroides fragilis. Sigeti JS, et al. **J Infect Dis** 1983 Dec;148(6):1083–9

Homology between clindamycin resistance plasmids in Bacteroides. Guiney DG Jr, et al. **Plasmid** 1984 May; 11(3):268–71

Epidemiology and susceptibility of resistant Bacteroides fragilis group organisms to new beta-lactam antibiotics. Heseltine PN, et al. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl 1:S254–9

[Comparative bacteriostatic activity of ticarcillin, alone and combined with clavulanic acid, 5 cephalosporins and metronidazole against 100 strains of Bacteroides fragilis] de Barbeyrac B, et al. **Pathol Biol (Paris)** 1984 May; 32(5):433–5 (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

Properties of novel beta-lactamase produced by Bacteroides fragilis. Yotsuji A, et al. **Antimicrob Agents Chemother** 1983 Dec;24(6):925–9

Purification and characterization of 1-nitropyrene nitroreductases from Bacteroides fragilis. Kinouchi T, et al. **Appl Environ Microbiol** 1983 Sep;46(3):596–604

Endo-beta-D-galactosidases of Bacteroides fragilis and Escherichia freundii hydrolyze linear but not branched oligosaccharide domains of glycolipids of the neolacto series. Scudder P, et al. **J Biol Chem** 1984 May 25; 259(10):6586–92

GENETICS

Expression in Escherichia coli of cryptic tetracycline resistance genes from bacteroides R plasmids. Guiney DG Jr, et al. **Plasmid** 1984 May;11(3):248–52

GROWTH & DEVELOPMENT

Oxygen-independent killing of Bacteroides fragilis by granule extracts from human polymorphonuclear leukocytes. Wetherall BL, et al. **Infect Immun** 1984 Mar; 43(3):1080–4

The growth and survival of capsulate and non-capsulate Bacteroides fragilis in vivo and in vitro. Patrick S, et al. **J Med Microbiol** 1984 Jun;17(3):237–46

IMMUNOLOGY

Potentiation of phagocytosis of Bacteroides fragilis following incubation with clindamycin. Howard RJ, et al. **J Antimicrob Chemother** 1983 Oct;12 Suppl C:63–8

Interactions of Bacteroides fragilis and phagocytes: studies with whole organisms, purified capsular polysaccharide and clindamycin-treated bacteria. Wade BH, et al. **J Antimicrob Chemother** 1983 Oct;12 Suppl C:51–62

Crossed immunoelectrophoresis and enzyme-linked immunosorbent assay of the cell-surface antigens of Bacteroides fragilis. Cousland G, et al. **J Gen Microbiol** 1984 Mar;130 (Pt 3):645–55

LPS regulation of the immune response: Bacteroides endotoxin induces mitogenic, polyclonal, and antibody responses in classical LPS responsive but not C3H/HeJ mice. Wannemuehler MJ, et al. **J Immunol** 1984 Jul; 133(1):299–305

Quantitative variability in requirements for opsonization of strains within the Bacteroides fragilis group. Bjornson AB, et al. **J Infect Dis** 1983 Oct;148(4):667–75

Detection of specific bacterial antigen in urine of patients infected with Bacteroides fragilis. Rissing JP, et al. **J Infect Dis** 1984 Jun;149(6):929–34

The role of immunoglobulins in amniotic fluid growth inhibition of Bacteroides fragilis, herpes simplex, coxsackie B 5 and cytomegalovirus. Evaldson G, et al. **Med Microbiol Immunol (Berl)** 1983;172(3):155–60

[Antibodies to Bacteroides antigens in the blood serum] Tyshko AG, et al. **Vrach Delo** 1984 Feb;(2):111–2 **(Rus)**

ISOLATION & PURIFICATION

Meningitis caused by Bacteroides fragilis [letter] Montejo Baranda M, et al. **Can Med Assoc J** 1984 Aug 1;131(3):184, 186

The enumeration of Bacteroides fragilis group organisms from sewage and natural waters. Allsop K, et al. **J Appl Bacteriol** 1984 Feb;56(1):15–24

Medium for selective isolation and presumptive identification of the Bacteroides fragilis group. Lyznicki JM, et al. **J Clin Microbiol** 1982 Jan;15(1):123–9

A selective medium for isolation and presumptive identification of the Bacteriodes fragilis group. Ushijima T, et al. **Microbiol Immunol** 1983;27(12):985–93

METABOLISM

Cefoxitin inactivation by Bacteroides fragilis. Cuchural GJ Jr, et al. **Antimicrob Agents Chemother** 1983 Dec; 24(6):936–40

The role of carbon dioxide in glucose metabolism of Bacteroides fragilis. Caspari D, et al. **Arch Microbiol** 1983 Aug;135(1):16–24

The PBPs of Bacteroides fragilis [letter] Piddock LJ, et al. **J Antimicrob Chemother** 1983 Sep;12(3):292

Effect of oxygen and UV irradiation on nucleic acid and protein syntheses in Bacteroides fragilis. Schumann JP, et al. **J Bacteriol** 1983 Dec;156(3):1366–8

Effect of bile acid oxazoline derivatives on microorganisms participating in 7 alpha-hydroxyl epimerization of primary bile acids. Macdonald IA, et al. **J Lipid Res** 1983 Dec; 24(12):1550–9

[Toxic products of Bacteroides fragilis subsp. fragilis] Majtánová L, et al. **Cesk Epidemiol Mikrobiol Imunol** 1984 May;33(3):155–61 (Eng. Abstr.) **(Slo)**

PATHOGENICITY

Intra-abdominal abscess formation in mice: quantitative studies on bacteria and abscess-potentiating agents. Nulsen MF, et al. **Br J Exp Pathol** 1983 Aug;64(4):345–53

Pathogenicity of piliated and encapsulated Bacteroides fragilis. Brook I, et al. **Eur J Clin Microbiol** 1984 Jun; 3(3):207–9

Bacteroides fragilis: a possible cause of acute diarrheal disease in newborn lambs. Myers LL, et al. **Infect Immun** 1984 May;44(2):241–4

Piliated Bacteroides fragilis strains adhere to epithelial cells and are more sensitive to phagocytosis by human neutrophils than nonpiliated strains. Pruzzo C, et al.

Infect Immun 1984 Jan;43(1):189–94

Use of a model of intraabdominal sepsis for studies of the pathogenicity of Bacteroides fragilis. Onderdonk AB, et al. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl 1:S91–5 (13 ref.)

Intravenous injection of mice with bacteroides fragilis and Escherichia coli: role of Thioglycollate medium in the infectious process. Rodloff AC, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 May; 254(3):405–12

PHYSIOLOGY

Significance of encapsulated Bacteroides melaninogenicus and Bacteroides fragilis groups in mixed infections. Brook I, et al. **Infect Immun** 1984 Apr;44(1):12–5

The effect of capsular polysaccharide and lipopolysaccharide of Bacteroides fragilis on polymorph function and serum killing. Connolly JC, et al. **J Med Microbiol** 1984 Jun; 17(3):259–71

Phagocytic and serum killing of capsulate and non-capsulate Bacteroides fragilis. Reid JH, et al. **J Med Microbiol** 1984 Jun;17(3):247–57

The effect of iron on mixed infection of Bacteroides fragilis and Escherichia coli in mice. Ward CG, et al. **J Surg Res** 1983 Oct;35(4):351–3

RADIATION EFFECTS

Effect of UV irradiation on macromolecular synthesis and colony formation in Bacteroides fragilis. Schumann JP, et al. **J Gen Microbiol** 1984 Apr;130 (Pt 4):771–7

BACTEROIDES INFECTIONS

Infected mural thrombus caused by Bacteroides fragilis [letter] Watanakunakorn C. **Chest** 1984 Mar;85(3):451

A case of cryptic Bacteroides fragilis septicemia [letter] Watanakunakorn C. **Eur J Clin Microbiol** 1984 Jun;3(3):214

COMPLICATIONS

Case report. Recurrent hilar and mediastinal adenopathy secondary to bacterial pneumonitis. Cameron DC. **Australas Radiol** 1983 Nov;27(3):233–5

Polymicrobial septicaemia due to Clostridium difficile and Bacteroides fragilis. Spencer RC, et al. **Br Med J [Clin Res]** 1984 Sep 1;289(6444):531–2

Enhancement of experimental ulcerative colitis by immunization with Bacteroides vulgatus. Onderdonk AB, et al. **Infect Immun** 1983 Nov;42(2):783–8

Splenic abscess caused by Shigella flexneri and Bacteroides fragilis. Drow DL, et al. **J Clin Microbiol** 1984 Jan; 19(1):79–80

Brain abscess due to penicillin- and clindamycin-resistant Bacteroides melaninogenicus. Villar LA, et al. **Surg Neurol** 1983 Dec;20(6):453–5

[Case of portal vein thrombosis complicated with sepsis due to bacteroides fragilis] Komori M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Apr;80(4):1016–20 **(Jpn)**

[Rare complication of lung abscess] Przystasz T. **Pneumonol Pol** 1983 Dec;51(12):639–40 **(Pol)**

DIAGNOSIS

Septic pulmonary emboli secondary to internal jugular vein phlebitis (postanginal sepsis) caused by Eikenella corrodens. Celikel TH, et al. **Am Rev Respir Dis** 1984 Sep;130(3):510–3

Parotitis associated with Eikenella corrodens in a healthy adult. Bissell P, et al. **Arch Otolaryngol** 1983 Nov; 109(11):772–3

An oriental traveler with abdominal pain. Hoffman T. **Hosp Pract [Off]** 1984 Feb;19(2):139, 145, 148A

[Anaerobic bacterial liver abscesses] Sokolov VI, et al. **Klin Khir** 1983 Sep;(9):51–5 (44 ref.) **(Rus)**

DRUG THERAPY

Effect of gentamicin on abscesses caused by Bacteroides species [letter] Brook I, et al. **Eur J Clin Microbiol** 1983 Dec;2(6):602–4

Activity of ceftizoxime and comparative compounds against Bacteroides fragilis in a mouse model of anaerobic infection. Grappel SF, et al. **J Antibiot (Tokyo)** 1984 Apr; 37(4):384–8

Quantification of the effect of anti-anaerobic drugs in experimental Bacteroides fragilis infection in mice. Dijkmans BA, et al. **J Antimicrob Chemother** 1984 Jan; 13(1):79–86

Eikenella corrodens in hand infections. Goldstein EJ, et al. **J Hand Surg** 1983 Sep;8(5 Pt 1):563–7

Antibiotic susceptibility and beta-lactamase production of faecal and clinical isolates of bacteroides species in Singapore. Soong TW, et al. **Singapore Med J** 1984 Apr; 25(2):87–91

Bacteroides fragilis pelvic abscess: resolution with metronidazole therapy alone. Girón JA, et al. **South Med J** 1984 Feb;77(2):232–4

[Metronidazole in the treatment of anaerobic infection] Katranushkova N. **Khirurgiia (Sofiia)** 1983;36(1):30–5 **(Bul)**

[Use of gentamicin-containing acrylic cement beads in septic complications of vascular surgery (letter)] Lefebvre-Vilardebo M, et al. **Presse Med** 1984 Jun 16; 13(25):1573–4 **(Fre)**

ETIOLOGY

Bacteroides aortitis and aneurysm formation following arteriography. Sheehan JP. **J Infect** 1983 Sep;7(2):153–5

[Bacteroides infection in surgery (review of the literature)] Astrozhnikov IuV, et al. **Khirurgiia (Mosk)** 1983 Dec; (12):111–6 (57 ref.) **(Rus)**

[Experimental simulation of liver abscess in the rabbit] Kryshen' VP, et al. **Patol Fiziol Eksp Ter** 1984 Mar–Apr; (2):68–9 **(Rus)**

IMMUNOLOGY

Effects of an immunomodulating agent on peripheral blood lymphocytes and subgingival microflora in ligature-induced periodontitis. Manti F, et al. **Infect Immun** 1984 Jul;45(1):172–9

Immune response to Bacteroides ureolyticus in a patient with brain abscess. Lalitha MK, et al. **J Clin Microbiol** 1983 Aug;18(2):428–9

Role of complement in host resistance against members of the Bacteroidaceae. Bjornson AB. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl 1:S34–9

METABOLISM

Hepatic and systemic metabolic responses to aerobic and anaerobic intra-abdominal abscesses in a highly reproducible chronic rat model. Nakatani T, et al. **Circ Shock** 1984;13(3):271–94

MICROBIOLOGY

Pathogenicity of Eikenella corrodens in humans. Suwanagool S, et al. **Arch Intern Med** 1983 Dec;143(12):2265–8

Fibrin in peritonitis. IV. Synergistic intraperitoneal infection caused by Escherichia coli and Bacteroides fragilis within fibrin clots. Dunn DL, et al. **Arch Surg** 1984 Feb; 119(2):139–44

Significance of encapsulated Bacteroides melaninogenicus and Bacteroides fragilis groups in mixed infections. Brook I, et al. **Infect Immun** 1984 Apr;44(1):12–5

Bacteriological study of periodontal lesions in two sisters with juvenile periodontitis and their mother. Okuda K, et al. **Infect Immun** 1984 Jul;45(1):118–21

Timed bacteriostatic and bactericidal activities of selected antimicrobial agents against Bacteroides fragilis isolated from clinical specimens. Masuda G. **J Antibiot (Tokyo)** 1984 Apr;37(4):401–7

Transfer of tetracycline or clindamycin resistance among strains of Bacteroides fragilis in experimental abscesses. Butler E, et al. **J Infect Dis** 1984 Jul;150(1):20–4

A rat model of unilateral utero-tubo-ovarian abscess. Hammill HA, et al. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl 1:S96–100 (20 ref.)

Pulmonary infection due to anaerobes in a hospital autopsy survey. Saito A, et al. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl 1:S128–31

Intravenous injection of mice with bacteroides fragilis and Escherichia coli: role of Thioglycollate medium in the infectious process. Rodloff AC, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 May; 254(3):405–12

[Non-clostridial anaerobic pleuropulmonary infections] Kochetkov AV, et al. **Grudn Khir** 1983 Sep–Oct;(5):76–80 **(Rus)**

[Bacteroides and the treatment of phlegmons of the maxillofacial area] Bazhanov NN, et al. **Stomatologiia (Mosk)** 1983 Jul–Aug;62(4):32–4 (Eng. Abstr.) **(Rus)**

MORTALITY

Bacteroides bacteremia. Analysis of 142 episodes from one metropolitan area. Bryan CS, et al. **Arch Surg** 1984 Aug; 119(8):894–8

Life-threatening soft-tissue infections of the neck. Beck HJ, et al. **Laryngoscope** 1984 Mar;94(3):354–62

Bacteremia in obstetrics and gynecology. Bryan CS, et al. **Obstet Gynecol** 1984 Aug;64(2):155–8

PREVENTION & CONTROL

Metronidazole in elective bowel surgery. Kapur ML, et al. **J Indian Med Assoc** 1983 Dec;81(11–12):191–3

RADIONUCLIDE IMAGING

Unexpected reversal of gallium-67 citrate avidity in an anaerobic hepatic abscess. Moreno AJ, et al. **Clin Nucl Med** 1984 Apr;9(4):184–6

SURGERY

[Anaerobic paraproctitis] Dolidze NG, et al. **Vestn Khir** 1984 Mar;132(3):74–7 (Eng. Abstr.) **(Rus)**

URINE

Detection of specific bacterial antigen in urine of patients infected with Bacteroides fragilis. Rissing JP, et al. **J Infect Dis** 1984 Jun;149(6):929–34

VETERINARY

Efficacy of ethylenediamine dihydriodide as an agent to prevent experimentally induced bovine foot rot. Berg JN, et al. **Am J Vet Res** 1984 Jun;45(6):1073–8

The comparative susceptibility of five breeds of sheep to foot-rot. Emery DL, et al. **Aust Vet J** 1984 Mar;61(3):85–8

Amino acid sequence of pilin from Bacteroides nodosus (strain 198), the causative organism of ovine footrot. McKern NM, et al. **FEBS Lett** 1983 Nov 28;164(1):149–53

Bacteroides fragilis: a possible cause of acute diarrheal disease in newborn lambs. Myers LL, et al. **Infect Immun** 1984 May;44(2):241–4

Proliferative pleuritis associated with Bacteroides melaninogenicus subsp asaccharolyticus infection in a river otter. Griffith JW, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1287–8

Detection of the extracellular proteases of Bacteroides nodosus in polyacrylamide gels: a rapid method of distinguishing virulent and benign ovine isolates. Kortt AA, et al. **Res Vet Sci** 1983 Sep;35(2):171–4

Effect of pilus dose and type of Freund's adjuvant on the antibody and protective responses of vaccinated sheep to Bacteroides nodosus. Stewart DJ, et al. **Res Vet Sci** 1983 Sep;35(2):130–7

BACTEROIDES MELANINOGENICUS see under **BACTEROIDES**

BAGASSOSIS see **PNEUMOCONIOSIS**

BAKER'S YEAST see **SACCHAROMYCES CEREVISIAE**

BAL see **DIMERCAPROL**

BALANITIS

COMPLICATIONS

Keratodermia blennorrhagica and mucocutaneous manifestations of Reiter's syndrome. Calin A. **Ann Rheum Dis** 1979;38 Suppl 1:suppl 68–72

[Non-gonococcal urethritis complicated by partial necrosis of the prepuce] Kukushkin AM, et al. **Vestn Dermatol Venerol** 1983 Nov;(11):62–4 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

[Primary gonorrheal penile skin abscesses] Starzycki Z. **Przegl Dermatol** 1982 Sep–Dec;69(5–6):459–63 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

Treatment of localized scleroderma and lichen sclerosus with etretinate. Neuhofer J, et al. **Acta Derm Venereol (Stockh)** 1984;64(2):171–4

MICROBIOLOGY

[Balanoposthitis caused by Streptococcus pyogenes following sexual intercourse] Füzi M, et al. **Orv Hetil** 1984 Jan 22; 125(4):217–9 (Eng. Abstr.) **(Hun)**

OCCURRENCE

Incidence of urogenital trichomoniasis among high risk Sudanese groups. Omer EE, et al. **East Afr Med J** 1984 Feb;61(2):140–4

SURGERY

Carbon dioxide laser treatment of balanitis xerotica obliterans. Ratz JL. **J Am Acad Dermatol** 1984 May;10(5 Pt 2):925–8

Zoon's balanitis treated by circumcision. Ferrándiz C, et al. **J Dermatol Surg Oncol** 1984 Aug;10(8):622–5

Surgical treatment of balanitis xerotica obliterans. Campus GV, et al. **Plast Reconstr Surg** 1984 Apr;73(4):652–7

BALANTIDIASIS

DIAGNOSIS

[Appendiceal balantidiasis. Report of 2 cases] Dorfman S, et al. **Rev Esp Enferm Apar Dig** 1984 Feb;65(2):167–70 (Eng. Abstr.) **(Spa)**

[Balantidium hepatic abscess] Auz JL. **Rev Med Panama** 1984 Jan;9(1):51–5 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

[Diagnosis and treatment of balantidiosis] Gao WW. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1983;1(1):60 **(Chi)**

VETERINARY

The incidence of Balantidium coli among local and exotic pigs in Ibadan, Nigeria. Akinboade OA, et al. **Rev Elev Med Vet Pays Trop** 1983;36(2):133–6

BALANTIDIUM

ISOLATION & PURIFICATION

Balantidium coli in cervico-vaginal cytology. A case report. Rivasi F, et al. **Pathologica** 1983 May–Jun;75(1037):439–42

BALDNESS see **ALOPECIA**

BALINT PSYCHOANALYTIC THERAPY see **PSYCHOANALYTIC THERAPY**

BALKAN NEPHROPATHY see under **NEPHRITIS, INTERSTITIAL**

BALLISTOCARDIOGRAPHY

Left ventricular dysfunction discriminated noninvasively beat by beat. Dinaburg AG, et al. **Am J Cardiol** 1984 Jan 1; 53(1):238–42

Use of the SCSB method for monitoring of respiration, body movements and ballistocardiogram in infants. Erkinjuntti M, et al. **Early Hum Dev** 1984 Feb;9(2):119–26

[Results of ballistocardiographic studies during 12–hour cosmic flights] Baevskiĭ rm, et al. **Physiologie** 1984 Apr–Jun;21(2):133–8 **(Rus)**

BALLOON ANGIOPLASTY see **ANGIOPLASTY, TRANSLUMINAL**

BALNEOLOGY

see related
HEALTH RESORTS
MINERAL WATERS

Pseudomonas folliculitis associated with the use of health spa whirlpools [letter] de Jager J. **Med J Aust** 1983 Jul 23;2(2):62

Native healing in Alaska. Report from Serpentine Hot Springs. Book PA, et al. **West J Med** 1983 Dec;139(6):923–7

[Comparative results of balneotherapy with mineral water from the Vlasa and Chepino springs in Velingrad in women with nonspecific inflammatory gynecologic diseases and sterility] Maslarova Z. **Akush Ginekol (Sofiia)** 1984; 23(2):151–4 (Eng. Abstr.) **(Bul)**

[Efficacy of using mineral water from 'Chepino' spring, Velingrad, alone and in combination with vibration therapy in the treatment of chronic nonspecific inflammatory gynecologic diseases and sterility in women] Maslarova Z. **Akush Ginekol (Sofiia)** 1984;23(3):245–8 (Eng. Abstr.) **(Bul)**

[The first discussion on the role of balneotherapy within the framework of the WHO program] Benda J. **Cas Lek Cesk** 1984 Jun 1;123(22):683–4 **(Cze)**

[International standards of balneotherapy] Benda J. **Cas Lek Cesk** 1984 Jun 15;123(24):746–8 (Eng. Abstr.) **(Cze)**

[Changes in the dietary system at Czechoslovak spas] Skapík M. **Cesk Gastroenterol Vyz** 1983 Nov;37(6–7):442–3 **(Cze)**

[Changes in neurovegetative reactivity due to comprehensive spa therapy in patients with chronic constipation and after cholecystectomy] Zdichynec B, et al. **Cesk Gastroenterol Vyz** 1983 Nov;37(6–7):385–93 (Eng. Abstr.) **(Cze)**

[Natural therapeutic springs of the Kynžvart Spa] Klír S. **Fysiatr Reumatol Vestn** 1984 Jun;62(3):157–60 (Eng. Abstr.) **(Cze)**

[New elements and new findings in the protection of mineral springs in the Western Bohemia Region] Klír S. **Fysiatr Reumatol Vestn** 1983 Dec;61(6):338–41 (Eng. Abstr.) **(Cze)**

[A concept of spa therapy of multiple cerebrospinal sclerosis] Lenský P. **Fysiatr Reumatol Vestn** 1984 Jun;62(3):133–7 (Eng. Abstr.) **(Cze)**

[Aspects of biorhythms in physio– and balneotherapy in relation to bioclimatology] Matoušek J, et al. **Fysiatr Reumatol Vestn** 1983 Dec;61(6):316–24 (Eng. Abstr.) **(Cze)**

[The incidence of mycobacteria in spa swimming pools] Svorcová L, et al. **Fysiatr Reumatol Vestn** 1984 Jun; 62(3):138–46 (Eng. Abstr.) **(Cze)**

[Changes in the microflora spectrum in the large intestine due to drinking of Carlsbad mineral water by patients with chronic constipation and after cholecystectomy] Zdichynec B, et al. **Fysiatr Reumatol Vestn** 1983 Dec;61(6):345–54 (Eng. Abstr.) **(Cze)**

[Health education for about 100 children (aged 6 to 14) in heat therapy at La Bourboule, compared to controls] Benigno M, et al. **Sem Hop Paris** 1984 Feb 23;60(9):630–4 (Eng. Abstr.) **(Fre)**

[Thermal springs of Kavassila/N. Ioannina/, Greece—research study] Karagunis MN. **Geogr Med** 1983; 13:19–24 (Eng. Abstr.) **(Ger)**

[Medical reasons for recommending cures for children and adolescents] Prüter I. **Off Gesundheitswes** 1984 Aug; 46(8):378–81 **(Ger)**

[Current status of natural bathing places in the district of Schleswig–Flensburg] Stolle W. **Off Gesundheitswes** 1984 Jun;46(6):277–8 **(Ger)**

[Immunostimulating action of thermal water on the nasal mucosa] Chevance LG. **Acta Biomed Ateneo Parmense** 1984;55(1):I–IV **(Ita)**

[Various hazards of helio–balneology, fishing and underwater hunting in the Mediterranean near the shores of Cyrenaika, Libya] Piotrowski M, et al. **Wiad Lek** 1984 Feb 1; 37(3):241–3 **(Pol)**

[Effect of heat treatment of 'Naftusia' medicinal water on its physiological activity] Iaremenko MS, et al. **Fiziol Zh** 1984 Mar–Apr;30(2):248–50 **(Rus)**

[Reaction of patients with a history of myocardial infarct to bathing under controlled swimming in swimming pools and in the sea] Akhmedzhanov MIu, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 May–Jun; (3):27–9 (Eng. Abstr.) **(Rus)**

[Role of balneology in the prospects for developing and supplying health resort services in the USSR] Dobruskin EV, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 Jul–Aug;(4):55–7 **(Rus)**

[Research and development in balneotechnology] Evstaf'ev VP. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 Sep–Oct; (5):55–7 **(Rus)**

[Changes in the circadian rhythm of oral temperature under the effect of mud– and balneotherapy in patients with arthroses] Ferrario VF, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Mar–Apr; (2):25–8 (Eng. Abstr.) **(Rus)**

[Neuroactive amino acid content and the activity of enzymes of the gamma–aminobutyric acid system of the brain under the effect of Arzni mineral baths (experimental study)] Grigorian RA, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 May–Jun; (3):9–11 (Eng. Abstr.) **(Rus)**

[Risk—benefit relations in radon therapy] Gusarov II, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 Jul–Aug;(4):60–5 (42 ref.) **(Rus)**

[Combined treatment of patients with urate and urate–oxalate ureteral calculi] Li AA. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 Sep–Oct; (5):49–50 **(Rus)**

[Effectiveness of sanatorium and climate treatment of patients with nonspecific lung diseases arriving in the Crimea from various climatic zones of the country] Navrotskiĭ VV, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Mar–Apr; (2):9–13 (Eng. Abstr.) **(Rus)**

[Changes in the functional activity of the ovaries and hypophysis in patients with chronic salpingo–oophoritis treated with iodobromine water] Perfil'eva IuT, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 Sep–Oct;(5):31–4 (Eng. Abstr.) **(Rus)**

[Efficacy of the combined treatment of patients with postdysentery colitis with colibacterin tablets at a balneological resort] Postoian AD, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 Jul–Aug;(4):47–9 **(Rus)**

[Underground supply of a mineral water of seawater type] Rodkin VI, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 Jul–Aug;(4):52–3 **(Rus)**

[Determination of various biochemical blood indices for the evaluation of the efficacy of radon therapy in patients subjected to the neuro–orthopedic interventions for spinal osteochondrosis] Shukhov VS. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 Sep–Oct;(5):46–8 **(Rus)**

[Psychotherapy and balneotherapy in the treatment of children with neurodermatitis in a specialized health resort pioneer camp] Sivak VP. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Mar–Apr; (2):63–4 **(Rus)**

[Effect of combined chrisanol and balneological treatment on the clinical indicators and permeability of the synovian membrane in patients with rheumatoid arthritis] Taletene IP, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Mar–Apr;(2):28–31 (Eng. Abstr.) **(Rus)**

[Modified method of prescribing Matsesta baths and its role in preventing negative physical reactions] Tsverianishvili GK, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 Nov–Dec;(6):54–5 **(Rus)**

[Effect of carbon dioxide baths on the hemodynamics in the carotid and vertebrobasilar regions of the brain in patients with cerebral atherosclerosis (rheoencephalographic data)] Velikanov II, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 Sep–Oct;(5):22–5 (Eng. Abstr.) **(Rus)**

[Balneotherapy and heliomarinotherapy in the treatment and rehabilitation of patients with psoriatic arthritis] Jajić I. **Reumatizam** 1984;31(1–2):13–6 (Eng. Abstr.) **(Scr)**

[Use of naphtha in medicine] Ostrogović Z, et al. **Reumatizam** 1984;31(1–2):17–22 (Eng. Abstr.) **(Scr)**

[The effect of saunas on the physical activity of patients with ankylosing spondylitis at the beginning and end of spa therapy] Matej M, et al. **Fysiatr Reumatol Vestn** 1983 Aug; 61(4):214–25 (Eng. Abstr.) **(Slo)**

[Quantification of the effect of carbon dioxide bath cures and single carbon dioxide baths on myocardial function and metabolism] Mičuda J, et al. **Fysiatr Reumatol Vestn** 1984 Feb;62(1):38–43 (Eng. Abstr.) **(Slo)**

[Balneologic therapy and biopsychological identity] Armijo Valenzuela M. **An R Acad Nac Med (Madr)** 1983; 100(2):333–52 **(Spa)**

HISTORY

The history and effects of spa treatment. Kersley GD. **Rev Environ Health** 1982;4(1):57–62

[Slănic Moldova in documents of the past] Pîrvulescu M, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Oct–Dec; 87(4):659–60 **(Rum)**

[Contribution of Russian scientists to the development of health resorts in Georgia] Bogoliubov VM, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Mar–Apr;(2):5–9 **(Rus)**

INSTRUMENTATION

[A bathtub for conducting experimental procedures using gas–emitting water] Andreev SV, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 May–Jun; (3):72–3 **(Rus)**

[A device for the determination of carbon dioxide eliminated through the lungs and skin of animals as a function of time] Tarasenko AT, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 May–Jun; (3):73–4 **(Rus)**

TRENDS

Medical–geographical plan–proposals for the development of a coherent and complex network of spas and medical bath in Hungary, 'the country of spas'. Vargha GL. **Geogr Med** 1983;13:66–72

BALSAMS

ADVERSE EFFECTS

Occupational dermatitis in a bee–keeper. Melli MC, et al. **Contact Dermatitis** 1983 Sep;9(5):427–8

Delayed–type allergy to spices. Niinimäki A. **Contact Dermatitis** 1984 Jul;11(1):34–40

Allergies [letter] Frazier CA. **NC Med J** 1984 Jun;45(6):415

[Peruvian balsam – its use, allergy and cross reactions] Grzywa Z. **Przegl Dermatol** 1983 Jul–Aug;70(4):439–43 (30 ref.) **(Pol)**

BAMBERMYCINS see under **ANTIBIOTICS**

BAMETHAN

THERAPEUTIC USE

[Effects of a bamethan–inositol nicotinate combination on psycho–organic disease in the elderly] Giaretti R, et al. **Clin Ter** 1982 Jan 31;100(2):157–65 **(Ita)**

BANANA see **FRUIT**

BAND 3 PROTEIN

Spin–label studies of the oligomeric structure of band 3 protein in erythrocyte membranes and in reconstituted systems. Bittman R, et al. **Biochim Biophys Acta** 1984 Jan 11;769(1):85–95

Peptides of human erythrocyte band 3 protein produced by extracellular papain cleavage. Jennings ML, et al. **J Biol Chem** 1984 Apr 10;259(7):4652–60

ANALYSIS

Identification of immunoreactive forms of human erythrocyte band 3 in nonerythroid cells. Drenckhahn D, et al. **Eur J Cell Biol** 1984 May;34(1):144–50

The preparation of hydrophilic derivatives of band 3 protein by acylation of the human red blood cell membrane. Herbst F, et al. **Hoppe Seylers Z Physiol Chem** 1984 May; 365(5):525–30

Anion transport activity in the human erythrocyte membrane modulated by proteolytic digestion of the 38,000–dalton fragment in Band 3. Matsuyama H, et al. **J Biol Chem** 1983 Dec 25;258(24):15376–81

BLOOD

Proteolysis of ankyrin and of band 3 protein in chemically induced cell fusion. Ca2+ is not mandatory for fusion. Lang RD, et al. **Biochem J** 1984 Mar 1;218(2):295–305

IMMUNOLOGY

Senescent red cell–bound IgG is attached to band 3 protein. Lutz HU, et al. **Biomed Biochim Acta** 1983; 42(11–12):S117–21

A monoclonal antibody to rhesus erythrocyte band 3 inhibits invasion by malaria (Plasmodium knowlesi) merozoites. Miller LH, et al. **J Clin Invest** 1983 Oct;72(4):1357–64

Polypeptides immunologically related to band 3 are present in nucleated somatic cells. Kay MM, et al. **Proc Natl Acad Sci USA** 1983 Nov;80(22):6882–6

ISOLATION & PURIFICATION

A study on the separation of reconstituted proteoliposomes and unincorporated membrane proteins by use of hydrophobic affinity gels, with special reference to band 3 from bovine erythrocyte membranes. Moriyama R, et al. **Anal Biochem** 1984 Jun;139(2):292–7

The carbohydrate moiety of band–3 glycoprotein of human erythrocyte membranes. Tsuji T, et al. **Biochem J** 1980 Jun 1;187(3):677–86

The isolation of human–erythrocyte band–3 polypeptide labelled with a photosensitive hydrophobic probe. Wells E, et al. **Biochem J** 1980 Jun 1;187(3):719–25

Myotonic dystrophy: fragility of band 3 membrane protein upon resealing of erythrocyte ghosts and the normality of ATPase activity, sialic acid content, and spectrin extractability of ghosts. Tsuchiya Y, et al. **Biochem Med** 1983 Dec;30(3):271–9

The nature of the stable noncovalent dimers of band 3 protein from erythrocyte membranes in solutions of Triton X–100.

Schubert D, et al. **FEBS Lett** 1983 Oct 31;163(1):81–4
Structure of fetal lactosaminoglycan. The carbohydrate moiety of Band 3 isolated from human umbilical cord erythrocytes. Fukuda M, et al. **J Biol Chem** 1984 Apr 25; 259(8):4782–91
Structure of branched lactosaminoglycan, the carbohydrate moiety of band 3 isolated from adult human erythrocytes. Fukuda M, et al. **J Biol Chem** 1984 Jul 10;259(13):8260–73
Proteins involved in membrane–cytoskeleton association in human erythrocytes: spectrin, ankyrin, and band 3. Bennett V. **Methods Enzymol** 1983;96:313–24

METABOLISM

The interaction of human erythrocyte Band 3 with cytoskeletal components. Hsu L, et al. **Arch Biochem Biophys** 1983 Nov;227(1):31–8
Calcium-induced proteolysis of spectrin and band 3 protein in rat erythrocyte membranes. Pant HC, et al. **Biochem Biophys Res Commun** 1983 Dec 16;117(2):372–7
Characterization of the stilbenedisulfonate binding site of the band 3 polypeptide of human erythrocyte membranes. Lieberman DM, et al. **Biochemistry** 1983 Aug 16; 22(17):4028–33
Transfer of band 3, the erythrocyte anion transporter, between phospholipid vesicles and cells. Newton AC, et al. **Biochemistry** 1983 Dec 20;22(26):6110–7
Formation and properties of tetramers of band 3 protein from human erythrocyte membranes in planar lipid bilayers. Benz R, et al. **Biochim Biophys Acta** 1984 Sep 5; 775(3):347–55
Site of red cell cation leak induced by mercurial sulfhydryl reagents. Lukacovic MF, et al. **Biochim Biophys Acta** 1984 May 30;772(3):313–20
Pepsin cleavage of band 3 produces its membrane-crossing domains. Ramjeesingh M, et al. **Biochim Biophys Acta** 1984 Jan 25;769(2):381–9
The anion permeability of vesicles reconstituted with intrinsic proteins from the human erythrocyte membrane. Van Hoogevest P, et al. **Biochim Biophys Acta** 1983 Sep 21; 734(1):1–17
The influence of melittin on the rotation of band 3 protein in the human erythrocyte membrane. Dufton MJ, et al. **Eur Biophys J** 1984;11(1):17–24
Fusion-mediated implantation of band 3 into living cells. A new system to study degradation of membrane proteins. Beigel M, et al. **Exp Cell Res** 1983 Oct;148(1):95–103
Inhibition of anion transport across the red cell membrane by dinitrophenylation of a specific lysine residue at the H2DIDS binding site of the band 3 protein. Rudloff V, et al. **FEBS Lett** 1983 Oct 31;163(1):14–21
Hemoglobin binds to the amino-terminal 23-residue fragment of human erythrocyte band 3 protein. Murthy SN, et al. **Hoppe Seylers Z Physiol Chem** 1984 Jan;365(1):9–17
The binding of Ca2+ to solubilized band 3 protein of the human erythrocyte membrane. Passing R, et al. **Hoppe Seylers Z Physiol Chem** 1983 Jul;364(7):873–8
Proteolytic digestion of band 3 from bovine erythrocyte membranes in membrane-bound and solubilized states. Makino S, et al. **J Biochem (Tokyo)** 1984 Apr;95(4):1019–29
Characterization of matrix-bound Band 3, the anion transport protein from human erythrocyte membranes. Boodhoo A, et al. **J Biol Chem** 1984 Jan 25;259(2):785–90
Chloride binding to the anion transport binding sites of band 3. A 35Cl NMR study. Falke JJ, et al. **J Biol Chem** 1984 May 25;259(10):6472–80
Direct observation of the transmembrane recruitment of band 3 transport sites by competitive inhibitors. A 35Cl NMR study. Falke JJ, et al. **J Biol Chem** 1984 May 25; 259(10):6481–91
The interaction of hemoglobin with the cytoplasmic domain of band 3 of the human erythrocyte membrane. Walder JA, et al. **J Biol Chem** 1984 Aug 25;259(16):10238–46
The kinetics of intramolecular cross-linking of the band 3 protein in the red blood cell membrane by 4,4'-diisothiocyano dihydrostilbene-2,2'-disulfonic acid (H2DIDS). Kampmann L, et al. **J Membr Biol** 1982; 70(3):199–216
Interaction of hemoglobin with band 3: a review. Kaul RK, et al. **Klin Wochenschr** 1983 Sep 1;61(17):831–7 (60 ref.)
Relation between band 3 red blood cell protein and transmembrane oxalate flux in stone formers [letter] Baggio B, et al. **Lancet** 1984 Jul 28;2(8396):223–4
Band 3, the predominant transmembrane polypeptide, undergoes proteolytic degradation as cells age. Kay MM. **Monogr Dev Biol** 1984;17:245–53
[Various characteristics of erythrocyte membrane proteins in rats with spontaneous hypertension] Gulak PV, et al. **Kardiologiia** 1983 Dec;23(12):59–62 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Inhibition of erythrocyte membrane shape change by band 3 cytoplasmic fragment. Carter DP, et al. **J Cell Biochem** 1984;24(4):385–93

PHYSIOLOGY

The aqueous pore in the red cell membrane: band 3 as a channel for anions, cations, nonelectrolytes, and water. Solomon AK, et al. **Ann NY Acad Sci** 1983;414:97–124 (110 ref.)

BANDAGES

Management of umbilical hernia associated with ascites [letter] Gitlin N. **Am J Gastroenterol** 1983 Nov;78(11):769
Brief or new: the use of self-adherent wrap in hand rehabilitation. Enos L, et al. **Am J Occup Ther** 1984 Apr; 38(4):265–6
Surgical treatment of necrotizing pancreatitis by marsupialization. Knol JA, et al. **Am Surg** 1984 Jun; 50(6):324–8
Decrease in rate of wound contraction with the temporary skin substitute biobrane. Frank DH, et al. **Ann Plast Surg** 1984 Jun;12(6):519–24
An ideal stent for reliable and efficient skin graft application. Weiner LJ, et al. **Ann Plast Surg** 1984 Jul;13(1):24–8
Human amniotic membrane. As a wound dressing. Jasinkowski NL, et al. **AORN J** 1984 Apr;39(5):894–5, 898–9
Value of bandaging after excision of a meniscus of the knee joint. Viljakka T. **Arch Orthop Trauma Surg** 1984; 102(4):264–6
Improved treatment of the Stevens-Johnson syndrome. Marvin JA, et al. **Arch Surg** 1984 May;119(5):601–5
Characteristics and uses of biologic dressings and skin substitutes. Pruitt BA Jr, et al. **Arch Surg** 1984 Mar; 119(3):312–22 (36 ref.)
Sorbsan calcium alginate fibre dressings in footcare. Fraser R, et al. **Biomaterials** 1983 Jul;4(3):222–4
Wound treatment with Sorbsan—an alginate fibre dressing. Gilchrist T, et al. **Biomaterials** 1983 Oct;4(4):317–20
'A new biological dressing for areas denuded of mucous membrane' [letter] **Br Dent J** 1984 Jan 7;156(1):4–5
A new biological dressing for areas denuded of mucous membrane. A preliminary report. Mitchell R. **Br Dent J** 1983 Nov 19;155(10):346–8
Tegaderm versus gauze dressing in breast surgery. Moshakis V, et al. **Br J Clin Pract** 1984 Apr;38(4):149–52
The influence of closure or dressing of third molar sockets on post-operative swelling and pain. Holland CS, et al. **Br J Oral Maxillofac Surg** 1984 Feb;22(1):65–71
The pressure button: a refinement of the traditional 'tie-over' dressing. Burd DA. **Br J Plast Surg** 1984 Jan;37(1):127–9
A polythene pack for perineal wounds. Leahy AL, et al. **Br J Surg** 1984 Apr;71(4):277
The search for an ideal wound dressing. Brennan SS, et al. **Bristol Med Chir J** 1984 Jul;99(371):77–9
Synthetic materials for covering burn wounds: progress towards perfection. Part I. Short term dressing materials. Davies JW. **Burns Incl Therm Inj** 1983 Nov;10(2):94–103 (86 ref.)
Synthetic materials for covering burn wounds: progress towards perfection. Part II. Longer term substitutes for skin. Davies JW. **Burns Incl Therm Inj** 1983 Nov; 10(2):104–8 (44 ref.)
Clinical and histological observations on the application of intermingled auto- and porcine-skin heterografts in third degree burns. Ding YL, et al. **Burns Incl Therm Inj** 1983 Jul;9(6):381–6
The coat burn wound dressing. Levin M, et al. **Burns Incl Therm Inj** 1984 Feb;10(3):197–9
Simplified dressing for the drained empyema. Laroche G, et al. **Can J Surg** 1984 Jul;27(4):320
Adhesive strapping techniques. Bonci CM. **Clin Sports Med** 1982 Mar;1(1):99–116
Sonographic findings of intraabdominal foreign bodies due to retained gauze. Chau WK, et al. **Gastrointest Radiol** 1984;9(1):61–3
Pressure garments in the control of hypertrophic scarring and rehabilitation of the burn patient: an occupational therapy approach. van Straten O, et al. **Isr J Med Sci** 1984 Apr;20(4):320–2
A preliminary investigation into surgical dressings used over post-operative passive abdominal wound drains. Molyneux RA. **J Adv Nurs** 1983 Nov;8(6):525–33
Vapor-permeable membrane therapy for ulcers of osteomyelitis. Angermeier MC, et al. **J Dermatol Surg Oncol** 1984 May;10(5):384–8
Tattoo removal using serial tangential excision and polyurethane membrane dressing. Wheeland RG, et al. **J Dermatol Surg Oncol** 1983 Oct;9(10):822–6
Laboratory studies of collagen wound dressing (CAS). Part I. Experimental use on skin excisions and burns. Takeda U, et al. **J Dermatol (Tokyo)** 1983 Oct;10(5):475–86
Laboratory study of collagen wound dressing (CAS). Part II. An immunological study (I) immunogenicity in rabbits and mice. Takeda U, et al. **J Dermatol (Tokyo)** 1983 Dec; 10(6):593–601
A comparative study of postoperative care with phenol nail procedures. Drago JJ, et al. **J Foot Surg** 1983 Winter; 22(4):332–4
Meshed adhesive tape for the treatment of crushed fingers in children. Duthie G, et al. **J Hand Surg [Br]** 1984 Feb; 9(1):41
Improvements in medicated tulle dressings. Thomas S, et al. **J Hosp Infect** 1983 Dec;4(4):391–8
Human amniotic membrane as a biological dressing in burn wounds. Mehta NN, et al. **J Indian Med Assoc** 1983 Dec; 81(11–12):189–91
Clinical study of the role of collagen sheet cover in the management of burn wounds. Yadava VN, et al. **J Indian Med Assoc** 1983 Apr;80(7–8):112–3
Immediate reconstruction using a scalp-forehead flap for the entire upper lip defect with the application of lyophilized porcine skin to surgical wounds. A case report of a malignant melanoma in the upper lip and oral mucosa. Kudo K, et al. **J Maxillofac Surg** 1983 Dec;11(6):275–8
The healing of hamster oral mucosal wounds covered by porcine grafts. A histologic study. Turnbull RS, et al. **J Periodontol** 1983 Dec;54(12):746–52
Porcine dermal collagen implants in man. Holl-Allen RT. **J R Coll Surg Edinb** 1984 May;29(3):151–3
Porcine dermal collagen repair of inguinal hernias. Holl-Allen RT. **J R Coll Surg Edinb** 1984 May;29(3):154–7
The effect of taping on ankle mobility following moderate exercise. Morris HH, et al. **J Sports Med Phys Fitness** 1983 Dec;23(4):422–6
Skin substitute may permit more 'natural' burn healing [news] Marwick C. **JAMA** 1983 Nov 18;250(19):2586
Anyone for amnion? [editorial] **Lancet** 1984 Mar 31; 1(8379):719
Homograft as biological dressing in toxic epidermal necrolysis [letter] Broekhuizen TH, et al. **Lancet** 1983 Oct 29;2(8357):1023–4
Amnion for ulcers [letter] Egan TJ, et al. **Lancet** 1984 May 5;1(8384):1024
Amnion dressings [letter] Redmond AD. **Lancet** 1984 Apr 21;1(8382):902
Human amnion in the treatment of chronic ulceration of the legs. Shun A, et al. **Med J Aust** 1983 Sep 17;2(6):279–83
Transparent wound dressings. **Med Lett Drugs Ther** 1983 Nov 11;25(648):103–4
Comparison of outpatient dressings for partial thickness burns. Boyer D, et al. **Nebr Med J** 1983 Dec;68(12):390–4
Adhesive membrane device (Op-site) for skin closure in general surgery. Innes DB. **NZ Med J** 1983 Oct 26; 96(742):803–5
Pigskin xenograft as biologic dressing in radical vulvectomy. Lifshitz S, et al. **Obstet Gynecol** 1984 Mar;63(3):434–6
Amniotic membranes as a temporary wound dressing in necrotizing fasciitis. Zarutskie P, et al. **Obstet Gynecol** 1984 Aug;64(2):284–7
Anticomplementary effects developed in vitro by two xenogeneic skin extracts on human sera. Dioguardi D, et al. **Panminerva Med** 1983 Jul–Sep;25(3):191–2
The penetration of ultraviolet light through transparent dressings. A case report. Mac Kinnon JL, et al. **Phys Ther** 1984 Feb;64(2):204
Rhinophyma: treatment with electrocautery and silver-impregnated porcine xenograft. Ersek RA, et al. **Plast Reconstr Surg** 1984 Aug;74(2):269–73
Dressing for hypospadias [letter] Peled IJ, et al. **Plast Reconstr Surg** 1984 May;73(5):856
The postoperative environment of the amputation stump. Postoperative wound dressing after through-knee amputation. Murdoch G. **Prosthet Orthot Int** 1983 Aug; 7(2):75–8
Use of lyophilized porcine skin to the oral wound. Clinical application and experimental evaluation as a temporary dressing material. Fujiwara T, et al. **Sangyo Ika Daigaku Zasshi** 1984 Mar 1;6(1):15–22
In search of an ideal skin substitute. Alsbjörn B. **Scand J Plast Reconstr Surg** 1984;18(1):127–33 (59 ref.)
Cost-effectiveness of foam elastomer and gauze dressings in the management of open perineal wounds. Culyer AJ, et al. **Soc Sci Med** 1983;17(15):1047–53
The most indolent ulcers of the skin treated with porcine xenografts and silver ions. Ersek RA, et al. **Surg Gynecol Obstet** 1984 May;158(5):431–6
Nonadhesive penile dressing material. Biggers RD. **Urology** 1984 Aug;24(2):189
Simple scrotal compression dressing. Nieh PT, et al. **Urology** 1984 Jan;23(1):73
Using an Unna's boot in treating ligamentous ankle injuries. Pointer J. **West J Med** 1983 Aug;139(2):257–9
[Treatment of burn wounds with meshed autografts and comparison of different overlaying materials] Hu JN. **Chung Hua Wai Ko Tsa Chih** 1984 Feb;22(2):97–9 (Eng. Abstr.) **(Chi)**
[Value of silastic foam bandages in reconstructive surgery] Kauer C, et al. **Ann Chir Plast Esthet** 1984;29(1):78–80 (Eng. Abstr.) **(Fre)**
[Penile dressings of C.M.H. silicone elastomer foam] Mollard P. **Chir Pediatr** 1984;25(2):117–9 (Eng. Abstr.) **(Fre)**
[Elastic compression by calibrated bandage] Parpex P. **Phlebologie** 1984 Apr–Jun;37(2):225–8 (Eng. Abstr.) **(Fre)**
[Abdominal compression and PEEP respiration during cardiopulmonary resuscitation] Lindner KH, et al. **Anaesthesist** 1984 Jan;33(1):20–30 (Eng. Abstr.) **(Ger)**
[Collagen, a biological dressing] Struck H. **MMW** 1983 Nov 25;125(47):1111–3 (0 ref.) **(Ger)**
[Modified phlebography for varicose veins. Report on the effect of bandaging and dihydroergotamine. (2)] Horvath W, et al. **Vasa** 1983;12(3):239–48 (Eng. Abstr.) **(Ger)**
[Analysis of statistical data on the supply of drugs, chemicals and bandages supplies at Semmelweis University] Budayné Pusztai K. **Acta Pharm Hung** 1983 Jul;53(4):175–82 (Eng. Abstr.) **(Hun)**
[Efficacy of Stomahesive in the topical therapy of ulcers of the lower extremities] Piazza P, et al. **G Ital Dermatol Venereol** 1982 Jul–Aug; 117(4):XXXIX–XLIII (Eng. Abstr.) **(Ita)**
[Role of collagen in the wound healing process. Clinical experimentation of a dressing of non-homologous sterile

collagen] Tosti A, et al. **G Ital Dermatol Venereol** 1983 Sep–Oct;118(5):289–92 (Eng. Abstr.) **(Ita)**

[CT findings of the retained surgical gauze and towel] Miyake H, et al. **Rinsho Hoshasen** 1984 Mar;29(3):377–80 (Eng. Abstr.) **(Jpn)**

[Evaluation of the atraumatic properties of bandages and the inflammatory reaction of wound surface by a smears method] Dudnikova GN. **Voen Med Zh** 1983 Jul;(7):68 **(Rus)**

ADVERSE EFFECTS

Cutaneous reactions to surgical preparations and dressings. Marks JG Jr, et al. **Contact Dermatitis** 1984 Jan;10(1):1–5

Allergic contact dermatitis from a colophony derivative in a tape skin closure. Sjöborg S, et al. **Contact Dermatitis** 1984 Feb;10(2):114–5

Autonomic hyperreflexia in spinal cord injured patients: trigger mechanism—dressing changes of pressure sores. Hall PA, et al. **J Trauma** 1983 Dec;23(12):1074–5

[Dangers of camphor dressings in children (letter)] Mercier C, et al. **Arch Fr Pediatr** 1984 Jan;41(1):74 **(Fre)**

STANDARDS

Role of 'polyurethane membrane' in post operative wound management. Gardezi SA, et al. **JPMA** 1983 Sep; 33(9):219–22

BANDAGES, OCCLUSIVE see **OCCLUSIVE DRESSINGS**

BANDICOOT RATS see **MURIDAE**

BANDICOTA see **MURIDAE**

BANDING, CHROMOSOME see **CHROMOSOME BANDING**

BANG'S DISEASE see **BRUCELLOSIS, BOVINE**

BARBAMYL see **AMOBARBITAL**

BARBERING

Multiple myeloma, leukemia, and cancer of the ovary in cosmetologists and hairdressers. Spinelli JJ, et al. **Am J Ind Med** 1984;6(2):97–102

HISTORY

The barber-surgeons of London. Robinson JO. **Arch Surg** 1984 Oct;119(10):1171–5

BARBITAL see under **BARBITURATES**

BARBITURATES

Solution conformations of barbituric acid derivatives: a 3J(13C,1H) NMR study. Carroll FI, et al. **J Med Chem** 1984 Sep;27(9):1191–5

Liquid chromatographic determination of lipophilicity with application to a homologous series of barbiturates. Toon S, et al. **J Pharm Sci** 1984 May;73(5):625–7

Biochemical aspects in the experimental barbital dependence IV—its effect on the hexokinase and phosphofructokinase activities in the rat brain. Yanaura S, et al. **J Toxicol Sci** 1983 May;8(2):141–6

Barbiturates. Sampson I. **Mt Sinai J Med (NY)** 1983 Jul–Aug; 50(4):283–8 (61 ref.)

Physical dependence produced by long duration, low dose chronic barbital treatment. Okamoto M, et al. **Subst Alcohol Actions Misuse** 1984;5(2):97–103

[Determination of the development of psychotic dependence to drugs in small animals. 4. Selective drinking of barbital and ethanol solutions by mice] Kosaka N, et al. **Yakubutsu Seishin Kodo** 1982 Dec;2(2):61–8 (Eng. Abstr.) **(Jpn)**

ADMINISTRATION & DOSAGE

Drug stop. Iatrogenic barbiturate coma in severe head injury. Ambielli M. **J Neurosurg Nurs** 1981 Dec;13(6):344–5

ADVERSE EFFECTS

Cortical and subcortical EEG patterns during moderate-intensity barbiturate withdrawal. Hinman DJ, et al. **Exp Neurol** 1984 Mar;83(3):555–67

Barbiturates, benzodiazepines and lung cancer [letter] Friedman GD. **Int J Epidemiol** 1983 Sep;12(3):375–6

Recovery from drug-induced coma [letter] Marshall DW. **Neurology (NY)** 1984 Mar;34(3):406

Increased susceptibility of audiogenic rats to barbital withdrawal convulsions. Bourn WM, et al. **Pharmacol Biochem Behav** 1983 Nov;19(5):839–41

Atropine in the abstinence after chronic barbital treatment in the rat. Wahlström G. **Pharmacol Biochem Behav** 1980; 13 Suppl 1:249–55

Enhancement effects of barbital on the teratogenicity of aminopyrine. Nomura T, et al. **Toxicology** 1984 Feb; 29(4):281–91

ANALYSIS

Identification of 5,5-disubstituted barbiturates. Dybowski R, et al. **J Chromatogr Sci** 1984 Mar;22(3):104–10

Postmortem stability of barbiturates in blood and tissues. Levine BS, et al. **J Forensic Sci** 1984 Jan;29(1):131–8

Comparative study of postmortem barbiturates, methadone, and morphine in vitreous humor, blood, and tissue. Ziminski KR, et al. **J Forensic Sci** 1984 Jul;29(3):903–9

Application of postcolumn ionization in the high-performance liquid chromatographic analysis of butabarbital sodium elixir. Scott EP. **J Pharm Sci** 1983 Sep; 72(9):1089–91

Equilibrium dialysis of barbituric acids up to high concentrations of aqueous sodium alkylsulfonate solutions. Treiner C, et al. **J Pharm Sci** 1984 Feb;73(2):256–8

Optimization of a novel two-phase potentiometric titration method of barbiturates with mercury (II). Part I: Theory. Coenegracht PM, et al. **Pharm Weekbl [Sci]** 1983 Oct 21; 5(5):239–42

Optimization of a novel two-phase potentiometric titration method of barbiturates with mercury (II). Part II: Experimental evaluation. Coenegracht PM, et al. **Pharm Weekbl [Sci]** 1983 Oct 21;5(5):243–7

[The value of the Emit-dau system in the examination of cadaveric urine] Szathmary S, et al. **Z Rechtsmed** 1984; 92(2):101–7 (Eng. Abstr.) **(Ger)**

[Determination of barbital and noxiron in cadaveric material] Zinakova ED, et al. **Sud Med Ekspert** 1983 Jul–Sep; 26(3):30–1 (Eng. Abstr.) **(Rus)**

BLOOD

Assessment of drug metabolism in hepatic disease: comparison of plasma kinetics of oral cyclobarbital and the intravenous aminopyrine breath test. Breyer-Pfaff U, et al. **Eur J Clin Pharmacol** 1984;26(1):95–101

Determination of pentobarbital and certain other barbiturates by capillary gas–liquid chromatography. Wallace JE, et al. **J Anal Toxicol** 1983 Jul–Aug;7(4):178–80

Quantitation of barbiturates by a modification of the EMIT-tox serum barbiturate assay. Watson AT, et al. **J Anal Toxicol** 1983 Nov–Dec;7(6):257–61

Blood barbiturate levels in 175 suspected suicide patients. Gupta SK, et al. **J Assoc Physicians India** 1984 Apr; 32(4):340–2

Reactivity of EMIT serum barbiturate assay reagents: potential application for the quantitation of selected barbiturates. Pape BE, et al. **Ther Drug Monit** 1983; 5(4):473–7

[Development of proxibarbal blood levels. The role of various elimination processes] Lambrey B, et al. **J Pharmacol** 1984 Apr–Jun;15(2):223–30 (Eng. Abstr.) **(Fre)**

CHEMICAL SYNTHESIS

[Barbituric acid derivatives. 35. Cytostatic and central nervous actions of chiral barbiturate Mannich bases] Knabe J, et al. **Arch Pharm (Weinheim)** 1983 Dec;316(12):1051–3 **(Ger)**

DIAGNOSTIC USE

[Simultaneous determination of the content of total and ionized calcium in blood plasma in the reaction with murexide] Gulak PV, et al. **Lab Delo** 1984;(6):356–8 (Eng. Abstr.) **(Rus)**

METABOLISM

Solubilization of convulsant/barbiturate binding activity on the gamma-aminobutyric acid/benzodiazepine receptor complex. King RG, et al. **Biochem Biophys Res Commun** 1984 Mar 15;119(2):530–6

Febarbamate: metabolism in man. Vachta J, et al. **Eur J Drug Metab Pharmacokinet** 1983 Jul–Sep; 8(3):297–308

Isomerisation and urinary excretion of proxibarbal and valofan in man; a preliminary study. Wittekind HH, et al. **Eur J Drug Metab Pharmacokinet** 1984 Apr–Jun; 9(2):117–22

The in vitro availability of some barbituric acid derivatives and its correlation to solubility parameter. Khalil SA, et al. **Pharm Acta Helv** 1983;58(11):307–13

PHARMACODYNAMICS

Reevaluation of potency and pharmacokinetic properties of some lipid-soluble barbiturates with an EEG-threshold method. Bolander HG, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Jan;54(1):33–40

The interaction between atropine and some lipid-soluble barbiturates in rats. Bolander HG, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Feb;54(2):81–5

Rhythmic afterpotentials in relation to pre-stimulus barbiturate spindle-like activity. Macro- and microelectrode investigations. Moyanova S. **Acta Physiol Pharmacol Bulg** 1983;9(1):12–20

Barbiturate interactions with benzodiazepine-GABA receptor-ionophore complex. Ticku MK, et al. **Adv Biochem Psychopharmacol** 1983;37:81–91

Cerebrovascular responses to oxygen during barbiturate anesthesia. Shinozuka T, et al. **Adv Exp Med Biol** 1983; 159:165–74

Potencies of barbiturates in mice selectively bred for resistance or susceptibility to nitrous oxide anesthesia. Koblin DD, et al. **Anesth Analg** 1984 Jan;63(1):35–9

Effects of barbiturates in rats tolerant to delta 9-tetrahydrocannabinol. McMillan DE, et al. **Arch Int Pharmacodyn Ther** 1983 Jul;264(1):4–14

Induction by barbiturates of a cytochrome P-450-dependent fatty acid monooxygenase in Bacillus megaterium: relationship between barbiturate structure and inducer activity. Kim BH, et al. **Biochem Biophys Res Commun** 1983 Nov 15;116(3):843–50

Partial characterization of a barbiturate-induced cytochrome P-450-dependent fatty acid monooxygenase from Bacillus megaterium. Narhi LO, et al. **Biochem Biophys Res Commun** 1983 Nov 15;116(3):851–8

Transition metals mediate enzymatic inactivation caused by favism-inducing agents. Navok T, et al. **Biochem Biophys Res Commun** 1984 Jul 18;122(1):297–303

Two distinct interactions of barbiturates and chlormethiazole with the GABAA receptor complex in rat cuneate nucleus in vitro. Harrison NL, et al. **Br J Pharmacol** 1983 Oct; 80(2):387–94

Barbiturates, alcohols and the CNS excitatory neurotransmission: specific effects on the kainate and quisqualate receptors. Teichberg VI, et al. **Brain Res** 1984 Jan 23;291(2):285–92

Repeated withdrawal from barbital as a drive for 'drug taking behavior' in rats. Jänicke UA, et al. **Drug Alcohol Depend** 1984 Jan;13(1):43–54

The influence of barbiturate derivatives on the serum bilirubin of the Gunn rat. Schmid H, et al. **Eur J Pediatr** 1984 Jun;142(2):151

Chronic ventilatory effects of diazepam and barbiturates in conscious cats. Gautier H. **Eur J Pharmacol** 1984 May 4; 100(3–4):335–41

Anaesthesia: the role of adrenergic mechanisms. Mason ST, et al. **Eur J Pharmacol** 1983 Jul 15;91(1):29–39

The phenomenological structure of drug-induced ego states. II. Barbiturates and sedative-hypnotics: phenomenology and implications. Spotts JV, et al. **Int J Addict** 1984 May; 19(3):295–326

Pharmacology of barbiturates: electrophysiological and neurochemical studies. Willow M, et al. **Int Rev Neurobiol** 1983;24:15–49 (185 ref.)

Generation of free radical metabolites and superoxide anion by the calcium indicators arsenazo III, antipyrylazo III, and murexide in rat liver microsomes. Docampo R, et al. **J Biol Chem** 1983 Dec 25;258(24):14920–5

Brain pH in focal cerebral ischemia and the protective effects of barbiturate anesthesia. Anderson RE, et al. **J Cereb Blood Flow Metab** 1983 Dec;3(4):493–7

Effects of barbiturates and other sedative hypnotics in pigeons trained to discriminate phencyclidine from saline. McMillan DE, et al. **J Exp Anal Behav** 1983 Sep; 40(2):133–42

Effect of acetazolamide on barbiturate-induced sleeping time in mice. III. Pharmacokinetics of serum elimination and brain distribution. Sato J, et al. **J Pharmacobiodyn** 1983 Jun;6(6):381–90

Multiple actions of convulsant barbiturates on mouse neurons in cell culture. Skerritt JH, et al. **J Pharmacol Exp Ther** 1984 Jul;230(1):82–8

The pull-up test in rats: a simple method for evaluating muscle relaxation. Deacon RM, et al. **J Pharmacol Methods** 1984 Apr;11(2):119–24

Barbiturate effects on acetylcholine-activated channels in Aplysia aeurons. Wachtel RE, et al. **Mol Pharmacol** 1983 Nov;24(3):449–57

Interaction of barbiturates with adenosine receptors in rat brain. Lohse MJ, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 May; 326(1):69–74

Increased release of [3H]acetylcholine in vitro from the mouse hippocampus by a convulsant barbiturate. Holtman JR Jr, et al. **Neuropharmacology** 1983 Sep;22(9):1101–8

The effects of chronic oral administration of barbital on cerebellar cyclic GMP. Lane SJ, et al. **Neuropharmacology** 1984 Jul;23(7A):779–83

Brain noradrenaline and anaesthesia: further characterization of the beta-receptor. Mason ST, et al. **Neuropharmacology** 1983 Sep;22(9):1065–9

Depression of cerebellar cGMP by barbiturates. Relationship to locomotor activity. Morgan WW, et al. **Neuropharmacology** 1984 Jul;23(7A):773–7

Evidence for the involvement of central dopaminergic receptors in the acute and chronic effects induced by barbiturates. Feigenbaum JJ, et al. **Neuropsychobiology** 1983;9(2–3):83–7 (34 ref.)

Barbiturate competition for TRH receptors in mouse brain: neuromodulation of anesthesia. Hirsch MD. **Peptides (Fayetteville)** 1983 Mar–Apr;4(2):255–60

Lung lipoprotein lipase: inhibition by barbiturates. Skowronski GA, et al. **Pharmacol Res Commun** 1983 Jul; 15(7):661–73

The effects of SKF 525-A on the analgesic and barbiturate-potentiating activity of delta 9-tetrahydrocannabinol in mice and rats. Sofia RD, et al. **Pharmacology** 1983;27(4):223–36

Radiosensitization of Staphylococcus aureus by secobarbital sodium and other barbiturates. Sade N, et al. **Radiat Res** 1983 Oct;96(1):41–50

Effects of body temperature, passive limb motion and level of anesthesia on the activity of the inspiratory muscles. D'Angelo E. **Respir Physiol** 1984 Apr;56(1):105–29

Sleep patterns in cats during chronic low-dose barbiturate treatment and withdrawal. Hinman DJ, et al. **Sleep** 1984;

7(1):69–76

[Effect of diazepam and barbiturates on the in vivo metabolism of halothane and enflurane in rats] Younes M, et al. **Anaesthesist** 1983 Aug;32(8):399–402 (Eng. Abstr.) **(Ger)**

[Cytogenetic effect of barbiturate anesthetizing substances in a human peripheral blood leukocyte culture] Klimova EM, et al. **Tsitol Genet** 1984 Jan–Feb;18(1):13–7 (Eng. Abstr.) **(Rus)**

POISONING

Estimated lethal ethanol concentrations in relation to age, aspiration, and drugs. Poikolainen K. **Alcoholism (NY)** 1984 Mar–Apr;8(2):223–5

Studies on serum barbiturate levels of acute intoxication. Kuo TL, et al. **Taiwan I Hsueh Hui Tsa Chih** 1984 Feb; 83(2):135–41

[Barbiturate poisoning at the Poison Treatment Center in 1980] Bjaeldager PA, et al. **Ugeskr Laeger** 1984 Mar 12; 146(11):795–800 (Eng. Abstr.) **(Dan)**

[Hemoperfusion in severe barbiturate poisoning] Bjaeldager PA, et al. **Ugeskr Laeger** 1983 Nov 21;145(47):3653–5 (Eng. Abstr.) **(Dan)**

[Use of methods of extracorporeal blood purification during assisted circulation in toxicology patients with severe cardiovascular insufficiency] Margulis MS, et al. **Anesteziol Reanimatol** 1984 May–Jun;(3):44–5 (Eng. Abstr.) **(Rus)**

[Informative value of the symptoms of poisoning for prediction of its outcome] Dagaev VN, et al. **Gig Tr Prof Zabol** 1983 Sep;(9):4–8 (Eng. Abstr.) **(Rus)**

[Severe poisoning with barbiturates, Glutethimide and other sedative drugs. (II) Hemodynamic, respiratory, metabolic and renal evaluation of 68 patients] Domínguez de Villota E, et al. **Rev Clin Esp** 1983 Dec 31;171(6):415–9 (Eng. Abstr.) **(Spa)**

[Severe poisoning with barbiturates, glutethimide and other sedative drugs. (I) Clinical aspects, mortality and therapeutic aspects of 68 patients] Domínguez de Villota E, et al. **Rev Clin Esp** 1983 Dec 31;171(6):409–13 (Eng. Abstr.) **(Spa)**

[Electrocardiographic changes in severe acute poisonings with barbiturates, benzodiazepines, and tricyclic antidepressives] Monteis Catot J, et al. **Rev Clin Esp** 1983 Jun 15–30;169(5–6):347–51 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

Treatment of alcohol withdrawal symptoms in hospitalized patients. A randomized, double-blind comparison of carbamazepine (Tegretol) and barbital (Diemal). Flygenring J, et al. **Acta Psychiatr Scand** 1984 May; 69(5):398–408

Efficacy and safety of midazolam and vesparax in treatment of sleep disorders. Fischbach R. **Br J Clin Pharmacol** 1983; 16 Suppl 1:167S–171S

Midazolam in the treatment of sleep disorders in geriatric patients. Lachnit KS, et al. **Br J Clin Pharmacol** 1983;16 Suppl 1:173S–177S

Comparative study of midazolam and vesparax in moderate or severe insomnia in female surgical patients. Philipp E, et al. **Br J Clin Pharmacol** 1983;16 Suppl 1:161S–165S

Pharmacotherapy of agitational states in psychiatric gerontology: double-blind study: febarbamat–pipamperon. Brenner HD, et al. **Neuropsychobiology** 1984;11(3):187–90

Reducing the risk: barbiturate substitution with a benzodiazepine. James RT, et al. **Pharmatherapeutica** 1983; 3(7):464–7

High dose barbiturates in non-traumatic brain swelling [letter] Spetzler RF, et al. **Stroke** 1983 Sep–Oct;14(5):830–1

[Management of patients with severe brain injuries. Drainage of cerebrospinal fluid from the ventricles and administration of barbiturates] Tóth-Daru P, et al. **Orv Hetil** 1984 Mar 11;125(11):623–8 (Eng. Abstr.) **(Hun)**

[Effects and indications of barbiturate therapy for reduction of posttraumatic intracranial hypertension] Sawada Y, et al. **Neurol Med Chir (Tokyo)** 1984 Jun;24(6):401–8 (Eng. Abstr.) **(Jpn)**

[Proxybarbital (Ipronal) in the pathogenetic treatment of irritable bowel syndrome] Knapik Z, et al. **Pol Tyg Lek** 1983 Sep 5;38(36):1105–7 (Eng. Abstr.) **(Pol)**

[Effect of benzonal on the resistance of animals to the action of organophosphorus and carbamic compounds] Kagan IuS, et al. **Farmakol Toksikol** 1983 Sep–Oct;46(5):100–3 (Eng. Abstr.) **(Rus)**

[Is there justification for additional prevention using vitamin D in therapy with barbiturates?] Cupić V, et al. **Lijec Vjesn** 1984 Apr;106(4):147–51 (Eng. Abstr.) **(Scr)**

TOXICITY

Clotting activity in the rat following acute barbiturate treatment. Lox CD, et al. **Gen Pharmacol** 1983;14(5):529–31

BAREFOOT DOCTORS see **COMMUNITY HEALTH AIDES**

BARIUM

ADMINISTRATION & DOSAGE

Cold barium suspensions in the clinical evaluation of the esophagus. Ott DJ, et al. **Gastrointest Radiol** 1984; 9(3):193–6

ANALYSIS

Observations on the histochemistry of barium. Chaplin AJ, et al. **Histochemistry** 1983;79(1):111–6

A note on the variability of barium and antimony levels in cartridge primers and its implication for gunshot residue identification. Booker JL, et al. **J Forensic Sci Soc** 1984 Mar–Apr;24(2):81–4

ANTAGONISTS & INHIBITORS

Kinetics of Ca2+-activated K+ channels from rabbit muscle incorporated into planar bilayers. Evidence for a Ca2+ and Ba2+ blockade. Vergara C, et al. **J Gen Physiol** 1983 Oct;82(4):543–68

[Ba-induced contraction of the guinea pig ileal longitudinal muscle and its inhibition by D-600, benactyzine, and papaverine] Mukai T, et al. **Nippon Heikatsukin Gakkai Zasshi** 1983 Apr;19(2):107–114 (Eng. Abstr.) **(Jpn)**

DIAGNOSTIC USE

Characterization of potassium permeability of cochlear duct by perilymphatic perfusion of barium. Marcus DC. **Am J Physiol** 1984 Sep;247(3 Pt 1):C240–6

The spread of oesophageal cancer: an evaluation of clinical, barium and computed tomography assessments. Mannell A, et al. **Aust NZ J Surg** 1984 Apr;54(2):119–26

Mucus and barium workshop, New York, October 1983. **Dig Dis Sci** 1984 Jul;29(7):659–63

PHARMACODYNAMICS

Transient length responses of heart muscle in Ba2+-contracture to step tension reductions. Saeki Y, et al. **Adv Exp Med Biol** 1984;170:841–3

Mechanism of action of barium ion on rat aortic smooth muscle. Hansen TR, et al. **Am J Physiol** 1984 Mar;246(3 Pt 1):C235–41

Automaticity of ventricular fibers induced by low concentrations of barium. Malécot C, et al. **Am J Physiol** 1984 Sep;247(3 Pt 2):H429–39

Influence of castration of the neonatal rat on the contractile effects of barium chloride and adrenaline in isolated vas deferens: the role of calcium. Calixto JB, et al. **Biol Reprod** 1983 Dec;29(5):1057–62

Dual population of GABAA and GABAB receptors in rat pars intermedia demonstrated by release of alpha MSH caused by barium ions. Demeneix BA, et al. **Br J Pharmacol** 1984 May;82(1):183–90

Effects of ionophore A23187 and Ba++ ions on labelling of phospholipids in rat pancreatic islets. Best L, et al. **Cell Calcium** 1984 Feb;5(1):65–75

Effects of barium on separately recorded fast and slow PIII responses in bullfrog retina. Matsuura T. **Experientia** 1984 Aug 15;40(8):817–9

Dissociation of calcium- and barium-induced contractions of the rat duodenum smooth muscle. Yashuda Y, et al. **Gen Pharmacol** 1983;14(6):643–7

Response of cochlear potentials to presumed alterations of ionic conductance: endolymphatic perfusion of barium, valinomycin and nystatin. Marcus DC, et al. **Hear Res** 1983 Oct;12(1):17–30

Effects of timolol on action potential characteristics and automaticity in barium-depolarized canine cardiac Purkinje fibers. Spear JF, et al. **J Cardiovasc Pharmacol** 1984 May–Jun;6(3):506–10

Inhibition by Ba of background current and of its modifications by carbachol in frog atrium. Argibay J, et al. **J Mol Cell Cardiol** 1983 Nov;15(11):785–8

Barium-induced spontaneous activity in sheep cardiac Purkinje cells. Mugelli A, et al. **J Mol Cell Cardiol** 1983 Oct;15(10):697–711

Effects of calcium, strontium, and barium ions on phosphorylation of hippocampal proteins in vitro. Hoch DB, et al. **J Neurochem** 1984 Jan;42(1):54–8

Stimulative effect of Ba2+ on p-aminohippurate transport in rat kidney cortical slices. Gemba M, et al. **J Pharmacobiodyn** 1983 Oct;6(10):760–6

Divalent cations differentially support transmitter release at the squid giant synapse. Augustine GJ, et al. **J Physiol (Lond)** 1984 Jan;346:257–71

Potassium current noise induced by barium ions in frog skeletal muscle. DeCoursey TE, et al. **J Physiol (Lond)** 1984 Apr;349:329–51

The effect of barium chloride on intestinal secretion in the rat. Hardcastle J, et al. **J Physiol (Lond)** 1983 Nov; 344:69–80

Depolarization-dependent protein phosphorylation in rat cortical synaptosomes: the effects of calcium, strontium and barium. Robinson PJ, et al. **Neurosci Lett** 1983 Dec 23; 43(1):85–90

Effects of Ba2+ on the mechanical properties of glycerinated heart muscle. Saeki Y, et al. **Pflugers Arch** 1984 Mar; 400(3):235–40

Potassium-induced depolarizations and generation of tension in barnacle muscle fibres: effects of external calcium, strontium and barium. Luxoro M, et al. **Q J Exp Physiol** 1984 Apr;69(2):235–43

[Changes induced by gestagens in the contractile responses of the rat vas deferens to KCl and BaCl2 in vitro] Hidalgo A, et al. **Arch Farmacol Toxicol** 1983 Aug;9(2):171–6 (Eng. Abstr.) **(Spa)**

POISONING

Acute poisoning by a barium chloride burn. Stewart DW, et al. **J Trauma** 1984 Aug;24(8):768–70

THERAPEUTIC USE

Trials with a long acting parenteral selenium preparation in ruminants: sheep. Cawley GD, et al. **Vet Rec** 1984 Jun 9;114(23):565–6

TOXICITY

Protective effects of Na salicylate against digoxin- and BaCl2-induced arrhythmias in guinea-pigs. Brasch H. **Eur J Pharmacol** 1984 Feb 17;98(2):297–301

[Experimental substantiation of the maximum permissible concentration of barium ferrite in the atmosphere] Ermachenko TP, et al. **Gig Sanit** 1983 Jul;(7):68–9 **(Rus)**

[Experimental data on the embryotoxic effects of barium ferrite] Govorukova NN, et al. **Gig Sanit** 1984 Apr;(4):72–4 **(Rus)**

[Comparative toxicity of various barium compounds] Akinfieva TA, et al. **Gig Tr Prof Zabol** 1984 Jun;(6):45–6 **(Rus)**

BARIUM SULFATE

Varied light and scanning electron microscopic appearances of barium sulphate in smears and histological sections. Levison DA, et al. **J Clin Pathol** 1984 May;37(5):481–7

Unusual histological appearances of barium sulphate—a case report with scanning electron microscopy and energy dispersive x ray analysis. Womack C. **J Clin Pathol** 1984 May;37(5):488–93

Giving visibility to accidentally swallowed toy [news] Glasbrenner K. **JAMA** 1984 Jul 20;252(3):323–4

[Ultrasonic medical disperser 'UZDM-1' for preparing barium sulfate mixtures] Valiavskii SS, et al. **Vestn Rentgenol Radiol** 1984 May–Jun;(3):88–9 **(Rus)**

ADMINISTRATION & DOSAGE

Radiology of the small bowel: enteroclysis and the conventional follow-through. Maglinte DD, et al. **Gastroenterology** 1984 Feb;86(2):383–4

Intussusception: influence of age on reducibility. Jennings C, et al. **Pediatr Radiol** 1984;14(5):292–4

A new, safe balloon enema tip. Lu CC. **Radiology** 1984 Mar; 150(3):835–6

[Double contrast examination of the small intestine in children using barium sulfate and methylcellulose] Hörmann D. **Radiol Diagn (Berl)** 1983;24(4):499–506 (Eng. Abstr.) **(Ger)**

[Initial experiences with a high-density contrast medium for the roentgenologic study of the stomach] Otto H, et al. **Rontgenpraxis** 1984 May;37(5):171–7 **(Ger)**

[Case of anaphylactic shock presumably caused by a barium preparation] Fujiwara K, et al. **Nippon Naika Gakkai Zasshi** 1983 Jul;72(7):921–4 **(Jpn)**

ADVERSE EFFECTS

Barytoma of the rectum. Hariri J, et al. **Acta Radiol [Diagn] (Stockh)** 1983;24(6):473–5

Hypersensitivity reactions after barium enema examination. Schwartz EE, et al. **AJR** 1984 Jul;143(1):103–4

Barium peritonitis. Grobmyer AJ 3d, et al. **Am Surg** 1984 Feb;50(2):116–20

Barium peritonitis following attempted reduction of intussusception. Mahboubi S, et al. **Clin Pediatr (Phila)** 1984 Jan;23(1):36–8

Barium 'granuloma' of the rectum. A light and electron microscopic analysis. Vaz Saleiro J, et al. **J Submicrosc Cytol** 1983 Oct;15(4):1089–94

Barium impaction as a cause of small bowel obstruction in an infant with cystic fibrosis. Fischer WW, et al. **Pediatr Radiol** 1984;14(4):230–1

[Fatal aspiration of contrast media during x-ray examination of the upper gastrointestinal tract] Schneider V, et al. **Beitr Gerichtl Med** 1983;41:81–93 (Eng. Abstr.) **(Ger)**

[Aspiration of barium sulfate as a fatal complication in dermatomyositis] Steinke B, et al. **ROFO** 1984 Jul; 141(1):108–10 **(Ger)**

DIAGNOSTIC USE

E-Z-CAT. An oral contrast medium for use in computed tomography of the abdomen. Nyman U, et al. **Acta Radiol [Diagn] (Stockh)** 1984;25(2):121–4

Detection of occult colovesical fistula by the Bourne test. Amendola MA, et al. **AJR** 1984 Apr;142(4):715–8

Double-contrast barium enema [letter] Beggs I, et al. **AJR** 1984 Jan;142(1):234–5

Small-bowel enema in the diagnosis of adhesive obstructions. Caroline DF, et al. **AJR** 1984 Jun;142(6):1133–9

Comparison of Golytely lavage with standard diet/cathartic preparation for double-contrast barium enema. Girard CM, et al. **AJR** 1984 Jun;142(6):1147–9

Salvaging the failed pneumocolon: a simple maneuver. Maglinte DD, et al. **AJR** 1984 Apr;142(4):719–20

Colon polyp morphology on double-contrast barium enema: its pathologic predictive value. Ott DJ, et al. **AJR** 1983 Nov;141(5):965–70

The adhesiometer: a simple device to measure adherence of barium sulfate to intestinal mucosa. Salomonowitz E, et al. **AJR** 1984 Apr;142(4):721–3

Diversion colitis demonstrated by double-contrast barium enema. Scott RL, et al. **AJR** 1984 Oct;143(4):767–8

The fluoroscopic barium enema in colonic polyp detection. Teefey SA, et al. **AJR** 1983 Dec;141(6):1279–81

Effect of glucagon on the diagnostic accuracy of double-contrast barium enema examinations. Thoeni RF, et al. **AJR** 1984 Jan;142(1):111–4

Portal vein gas in a patient with Crohn's colitis. Pappas D, et al. **Am J Gastroenterol** 1984 Sep;79(9):728–30

Use of the barium swallow in the diagnosis of acute appendicitis. Schisgall RM. **Am J Surg** 1983 Nov; 146(5):663–7

Double-contrast barium meal and upper gastrointestinal endoscopy. A comparative study. Dooley CP, et al. **Ann Intern Med** 1984 Oct;101(4):538–45

Plant material in ovary following barium enema [letter] Benirschke K, et al. **Arch Pathol Lab Med** 1984 May; 108(5):359–60

Evaluation of the double contrast small bowel enema in Crohn's disease of the small intestine. Jones MW. **Australas Radiol** 1983 Nov;27(3):266–72

A clinical comparison of bowel preparations prior to double contrast barium enema. Shaw MR, et al. **Australas Radiol** 1983 Nov;27(3):254–7

A review of 80 barium meal examinations in patients with rheumatoid arthritis: were they necessary? Pullar T, et al. **Br J Clin Pract** 1984 Jun;38(6):213–4

Reduction of fluoroscopic exposure for the air-contrast barium enema. Bednarek DR, et al. **Br J Radiol** 1983 Nov; 56(671):823–8

Rapid transit large volume barium follow-through examinations [letter] Russell JG. **Br J Radiol** 1983 Oct; 56(670):779–80

A survey of double contrast barium enemas at Bristol Royal Infirmary. Stoddart PG, et al. **Bristol Med Chir J** 1983 Oct;98(368):173–5

Small intestine barium-air hypotonic double contrast examination of 50 normals. Guo JY, et al. **Chin Med J [Engl]** 1983 Jul;96(7):551–2

Small bowel double contrast enema. Zhang TL, et al. **Chin Med J [Engl]** 1983 Jun;96(6):415–20

Barium sulphate coating of the nasopharynx in lateral view videofluoroscopy. Cohn ER, et al. **Cleft Palate J** 1984 Jan; 21(1):7–17

Washout versus non-washout (Picolax) preparation for double-contrast barium enemas. Bartram CI, et al. **Clin Radiol** 1984 Mar;35(2):143–6

A comparison of two high-density barium sulphate preparations for double-contrast barium meals. Bell JM, et al. **Clin Radiol** 1984 Sep;35(5):367–8

The small bowel barium follow-through enhanced with an oral effervescent agent. Fraser GM, et al. **Clin Radiol** 1983 Nov;34(6):673–9

The role of decubitus films in double-contrast barium enemas. Stoddart PG, et al. **Clin Radiol** 1983 Nov;34(6):681–2

Diagnostic value of 'bread-barium' swallow in patients with esophageal symptoms. Davies HA, et al. **Dig Dis Sci** 1983 Dec;28(12):1094–100

Acute appendicitis as a complication of the barium enema. A case report. Arnbjörnsson E. **Eur J Radiol** 1984 Feb; 4(1):44

Contrast enhancement versus vasculature of uterine tumors. Kormano M, et al. **Eur J Radiol** 1984 May;4(2):122–6

Low residual diet and hydration improving double contrast examination of the colon. Virkki R, et al. **Eur J Radiol** 1983 Aug;3(3):212–4

Is there a safe interval between diagnostic invasive procedure and the barium enema study of the colorectum? Culp CE, et al. **Gastrointest Radiol** 1984;9(1):69–72

Combined use of double- and single-contrast barium enema in the evaluation of suspected colonic disease. Demas BE, et al. **Gastrointest Radiol** 1984;9(3):241–5

Complications of diverticular disease: a review of the barium enema findings. Greenall MJ, et al. **Gastrointest Radiol** 1983;8(4):353–8

Variables in the preparation of the large intestine for double contrast barium enema examination. Lee JR, et al. **Gut** 1984 Jan;25(1):69–72

Comparison of barium sulphate and dionosil as contrast media for bronchography. Chaudhry BS, et al. **Indian J Chest Dis Allied Sci** 1983 Apr-Jun;25(2):96–100

Assessment of patient exposure for barium enema examinations. Bednarek DR, et al. **Invest Radiol** 1983 Sep-Oct;18(5):453–8

Can ultrasonic examination of the pancreas and gallbladder follow a barium UGI series on the same day? Rauch RF, et al. **Invest Radiol** 1983 Nov-Dec;18(6):523–5

Evaluation of double contrast barium meal study of stomach and duodenum. Sharma SL, et al. **J Assoc Physicians India** 1984 Feb;32(2):177–9

Pseudosarcoma of the esophagus: barium swallow and CT findings. Halvorsen RA, et al. **J Can Assoc Radiol** 1983 Dec;34(4):278–81

Distribution of gastric ulcers by double contrast barium meal with endoscopic correlation. Thompson G, et al. **J Can Assoc Radiol** 1983 Dec;34(4):296–7

Barium enema after flexible sigmoidoscopy: is delay necessary? Rodney WM, et al. **J Fam Pract** 1984 Sep; 19(3):323–6

Comparison of barium enema and colonoscopy in the diagnosis of colon and rectal cancer. Knoepp LF Jr, et al. **J SC Med Assoc** 1984 Jan;80(1):7–9

Clinical studies on diverticular disease of the colon. Kubo A, et al. **Jpn J Med** 1983 Aug;22(3):185–9

Combined barium meal and cholecystography [letter] Gulati RS, et al. **Lancet** 1984 Jan 7;1(8367):54

A policy of combined barium meal and cholecystogram for dyspeptic patients [letter] Watt PC, et al. **Lancet** 1983 Nov 26;2(8361):1249

Total colonoscopy in the diagnosis of colonic disorders [letter] **Med J Aust** 1983 Jul 23;2(2):62–4

Barium meal examination of infants under 4 months of age presenting with vomiting. A review of 100 cases. Arthur RJ, et al. **Pediatr Radiol** 1984;14(2):84–6

Laxatives as colonic preparation for barium enema: the patient's viewpoint. Coombs BM. **Radiography** 1983 Sep; 49(585):221–2

Barium stalactites: observations on their nature and significance. Aronchick J, et al. **Radiology** 1983 Nov; 149(2):588–91

Compensation filtration for decubitus radiography during double-contrast barium enema examinations. Feczko PJ, et al. **Radiology** 1983 Dec;149(3):848–50

Postendoscopy barium enema examinations. Lappas JC, et al. **Radiology** 1983 Dec;149(3):655–8

A comparison of pumps used for enteroclysis. Maglinte DD, et al. **Radiology** 1984 Sep;152(3):815

Hirschsprung disease: accuracy of the barium enema examination. Rosenfield NS, et al. **Radiology** 1984 Feb; 150(2):393–400

Barium/air double contrast examination of the small bowel in Crohn's disease. Ekberg O. **ROFO** 1984 Apr; 140(4):379–86

Sensitivity of single and double contrast barium enema in the detection of colorectal carcinoma. Myllylä V, et al. **ROFO** 1984 Apr;140(4):393–7

Comparison of barium swallow and fibreoptic oesophagoscopy for diagnosis of oesophageal varices in Nairobi, Kenya. Thomas SE, et al. **Trop Doct** 1984 Apr; 14(2):76–7

[Insufflated barium meal. A new technique for double-contrast studies of esophageal ulcerations] Mahieu PH, et al. **Acta Gastroenterol Belg** 1982 Nov-Dec; 45(11-12):501–2 **(Fre)**

[Probe for double-contrast enema in the aged and very young children] Chabouis C, et al. **Ann Radiol (Paris)** 1983 Apr-May;26(4):310–1 (Eng. Abstr.) **(Fre)**

[Is the barium enema preparation a good preparation for echography?] Scherrer A, et al. **J Radiol** 1983 Aug-Sep; 64(8-9):509–10 (Eng. Abstr.) **(Fre)**

[Is the preparation of barium enema a sound preparation for echography?] Scherrer A, et al. **J Radiol** 1983 Nov; 64(11):649–50 (Eng. Abstr.) **(Fre)**

[Perforations during contrast enema] Vogel H, et al. **Rontgenblatter** 1983 Aug;36(8):271–8 (94 ref.) (Eng. Abstr.) **(Ger)**

[Transbuccal enteroclysis of the mesenteric small intestine in intestinal occlusions. Indications, usefulness, results] Coppola V, et al. **Minerva Dietol Gastroenterol** 1984 Apr-Jun;30(2):173–80 (Eng. Abstr.) **(Ita)**

[Use of glucagon in the hydrostatic reduction of intussusception in barium enemas] Coppola V, et al. **Minerva Pediatr** 1983 Sep 30;35(18):881–4 (Eng. Abstr.) **(Ita)**

[Evaluation of the enema in the diagnosis of colonic neoplasms in comparison with colonoscopy] Bartnik W, et al. **Pol Tyg Lek** 1983 May 16-23;38(20-21):625–8 (Eng. Abstr.) **(Pol)**

[Evaluation of new methods of preparation for cholecystography and barium enema] Kordowska M, et al. **Wiad Lek** 1984 Jan 15;37(2):101–6 (Eng. Abstr.) **(Pol)**

[Improvement of aqueous suspension of barium sulfate for one-stage double-contrasting of the large intestine] Dement'ev EZ, et al. **Sov Med** 1983;(8):82–6 **(Rus)**

[A double contrast medium for radiographic examination of the stomach and esophagus] Escobar-Billing R, et al. **Lakartidningen** 1983 Aug 10;80(32-33):2880–2 **(Swe)**

PHARMACODYNAMICS

[Experimental study on the effectiveness of a barium sulfate film for the protection of the skin from radiation injuries] Mal'tsev VN, et al. **Gig Tr Prof Zabol** 1983 Nov;(11):52–4 **(Rus)**

POISONING

[A case of barium-peritoneum with neurological involvement. Importance of barium determination in biological fluids] Deixonne B, et al. **J Chir (Paris)** 1983 Nov;120(11):611–3 (Eng. Abstr.) **(Fre)**

[Acute barium poisoning after roentgenoscopy of the stomach] Savostin GA. **Sud Med Ekspert** 1984 Apr-Jun; 27(2):52–3 **(Rus)**

TOXICITY

Effects of sterilized micropulverized barium sulfate suspension and meglumine iothalamate solution on the genitourinary tract of healthy male dogs after retrograde urethrocystography. Feeney DA, et al. **Am J Vet Res** 1984 Apr;45(4):730–8

BARLEY see under **GRAIN**

BARNACLES

CYTOLOGY

Shell formation and calcium transport in the barnacle Chthamalus fragilis. Nousek NA. **Tissue Cell** 1984; 16(3):433–42

METABOLISM

Sensitivity to injected cholera toxin of the sodium efflux in single barnacle muscle fibers. Bittar EE, et al. **Comp Biochem Physiol [C]** 1984;78(1):89–98

The energetics and kinetics of sodium-calcium exchange in barnacle muscles, squid axons, and mammalian heart: the role of ATP. Blaustein MP. **Soc Gen Physiol Ser** 1984; 38:129–47

Autoradiographic and fine structural study of chitin deposition in the cuticle of a barnacle using [3H]-D-glucosamine incorporation. Koulish S, et al. **Tissue Cell** 1983;15(5):749–60

PHYSIOLOGY

Effects of quinine on the isometric tension and intracellular calcium movements in single giant muscle fibres. Franciolini F. **Acta Physiol Hung** 1984;63(2):147–51

Is gamma-aminobutyric acid the neurotransmitter of barnacle photoreceptors? Timpe LC, et al. **Brain Res** 1984 Jul 30; 307(1-2):225–31

Regional variations in excitability of barnacle neurons. Krauthamer V, et al. **J Neurosci** 1984 Mar;4(3):673–82

Optical measurements of potential changes in axons and processes of neurons of a barnacle ganglion. Ross WN, et al. **J Neurosci** 1984 Mar;4(3):659–72

Localized Ca2+ and calcium-activated potassium conductances in terminals of a barnacle photoreceptor. Stockbridge N, et al. **Nature** 1984 May 17-23; 309(5965):266–8

The barnacle muscle fibre as a model system for the investigation of the ouabain-insensitive sodium efflux and hormonal actions. Bittar EE. **Prog Neurobiol** 1983; 20(1-2):1–54 (182 ref.)

Sodium-dependent calcium efflux and sodium-dependent current in perfused barnacle muscle single cells. Nelson MT, et al. **Soc Gen Physiol Ser** 1984;38:365–71

[The fixed charge of protoplasm in barnacle muscle fiber; effect of the length of the sarcomeres] Caillé JP. **Can J Physiol Pharmacol** 1984 Mar;62(3):329–33 (Eng. Abstr.) **(Fre)**

BARORECEPTORS see **PRESSORECEPTORS**

BAROTRAUMA

COMPLICATIONS

[Application of the 'neo-tube' in pilots with tubal stenosis] Mazza G, et al. **Riv Med Aeronaut Spaz** 1982 Jan-Dec; 47(1-4):255–66 (Eng. Abstr.) **(Ita)**

[Rare case of carbon monoxide poisoning associated with barotrauma of the lungs] Komordin IP. **Voen Med Zh** 1984 Mar;(3):74 **(Rus)**

DIAGNOSIS

Case reports: peripheral cranial nerve injuries resulting from hyperbaric exposure. Shepherd TH, et al. **J R Nav Med Serv** 1983 Winter;69(3):154–5

[Blast injuries of the ear in military artillerymen] Spirov A. **Zb Vojnomed Akad** 1982;24:28–30 (Eng. Abstr.) **(Scr)**

ETIOLOGY

Airless paint-gun injuries of the hand: a report of three cases. Vente JP, et al. **Injury** 1984 Sep;16(2):91–3

Ondontecrexis—the effects of rapid decompression on restored teeth. Calder IM, et al. **J Dent** 1983 Dec; 11(4):318–23

Pharyngoesophageal barotrauma in children: a report of six cases. Conlan AA, et al. **J Thorac Cardiovasc Surg** 1984 Sep;88(3):452–3

PREVENTION & CONTROL

Preventing barotrauma [letter] Herr GP, et al. **Anesthesiology** 1984 Mar;60(3):260

Aural barotrauma and surfactant. Hills BA. **Aviat Space Environ Med** 1983 Nov;54(11):1039

BARR BODIES see **SEX CHROMATIN**

BARRE-LIEOU SYNDROME

COMPLICATIONS

[Vertigo in the pathology of the cervical spine] Maffei G. **Acta Biomed Ateneo Parmense** 1983;54 Suppl 1:21–6 **(Ita)**

BARRETT ESOPHAGUS see under **ESOPHAGEAL DISEASES**

BARTHOLIN'S GLANDS

Non-Hodgkin's lymphoma in Bartholin's gland: case report and review of literature. Plouffe L Jr, et al. **Am J Obstet Gynecol** 1984 Mar 1;148(5):608–9

Splenic tissue simulating adrenal mass. Wilson DG, et al. **Clin Nucl Med** 1983 Aug;8(8):371–2

Adenoid cystic carcinoma of Bartholin's gland. A review of literature and a case report] Sugiyama T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 May; 36(5):829–32

Primary carcinoma of the Bartholin gland: a report of ten cases. Wheelock JB, et al. **Obstet Gynecol** 1984 Jun; 63(6):820–4

[Cancer of Bartholin's gland] Beller U, et al. **Harefuah** 1983 Mar 15;104(6):227–8 (Eng. Abstr.) **(Heb)**

PATHOLOGY

Adenoid cystic carcinoma of Bartholin's gland. Case report and review of the literature. Bernstein SG, et al. **Am J Obstet Gynecol** 1983 Oct 15;147(4):385–90

Combined adenoid cystic and squamous carcinoma of Bartholin's gland. Case report. Webb JB, et al. **Br J Obstet Gynaecol** 1984 Mar;91(3):291–5

SURGERY

A practical, inexpensive office management of Bartholin's cyst and abscess. Kovar WR, et al. **Nebr Med J** 1983 Aug; 68(8):254–5

BARTTER'S DISEASE see under **HYPERALDOSTERONISM**

BASAL CELL NEVUS SYNDROME see under **CARCINOMA, BASAL CELL**

BASAL GANGLIA

Deoxyglucose uptake and choline acetyltransferase activity in cerebral cortex following lesions of the nucleus basalis magnocellularis. Lamarca MV, et al. **Brain Res** 1984 Jul 30;307(1–2):366–9

[Germ cell tumor in the basal ganglia with elevated serum and CSF alpha-fetoprotein levels] Saitoh Y, et al. **No To Shinkei** 1983 Sep;35(9):935–9 (Eng. Abstr.) **(Jpn)**

ABNORMALITIES

Successful removal of an arteriovenous malformation in the basal ganglia. Rutka JT, et al. **Neurosurgery** 1984 Apr; 14(4):472–4

ANALYSIS

Met-enkephalin-like and dynorphin-like immunoreactivities of the basal ganglia of the cat. Chesselet MF, et al. **Life Sci** 1983;33 Suppl 1:37–40

ANATOMY & HISTOLOGY

Discriminant function analysis of the central portion of the innominate. Taylor JV, et al. **Am J Phys Anthropol** 1984 Jul;64(3):315–20

Projections from the visual cortical region of the superior temporal sulcus to the striatum and claustrum in the macaque monkey. Maioli MG, et al. **Arch Ital Biol** 1983 Dec;121(4):259–66

Neural inputs into the nucleus basalis of the substantia innominata (Ch4) in the rhesus monkey. Mesulam MM, et al. **Brain** 1984 Mar;107 (Pt 1):253–74

Substantia innominata projection to caudate nucleus in macaque monkeys. Arikuni T, et al. **Brain Res** 1984 Jun 4;302(1):184–9

Topographic organization and morphology of peripallidal and pallidal cells projecting to the striatum in cats. Jayaraman A. **Brain Res** 1983 Sep 26;275(2):279–86

Retrograde changes in cholinergic neurons in the basal forebrain of the rat following cortical damage. Sofroniew MV, et al. **Brain Res** 1983 Dec 19;289(1–2):370–4

The prefrontal cortex of a prosimian (Galago senegalensis) is reached by efferent neurons originating in the nucleus basalis of Meynert. Irle E, et al. **Brain Res Bull** 1984 Mar; 12(3):283–93

Topography of the magnocellular basal forebrain system in human brain. Hedreen JC, et al. **J Neuropathol Exp Neurol** 1984 Jan;43(1):1–21

Cortical projections of the nucleus of the diagonal band of Broca and of the substantia innominata in the rat: an anatomical study using the anterograde transport of a conjugate of wheat germ agglutinin and horseradish peroxidase. Lamour Y, et al. **Neuroscience** 1984 Jun; 12(2):395–408

Claustral efferents to the cat's limbic cortex studied with retrograde and anterograde tracing techniques. Markowitsch HJ, et al. **Neuroscience** 1984 Jun;12(2):409–25

BLOOD SUPPLY

Lesions of the basal ganglia, thalamus, and deep white matter: differential effects on language functions. Wallesch CW, et al. **Brain Lang** 1983 Nov;20(2):286–304

Spontaneous hematomas caused by microangiomatosis of the basal ganglia. Presentation of two cases in the newborn period. Alonso A, et al. **Childs Brain** 1984;11(3):202–11

Kingella kingae meningitis with bilateral infarcts of the basal ganglia. Walterspiel JN. **Infection** 1983 Nov-Dec; 11(6):307–9

[Evaluation of the arteries supplying the basal ganglia in the diagnosis of supra-tentorial masses] Chen YT. **Chung Hua Fang She Hsueh Tsa Chih** 1983 Nov;17(4):261–3 (Eng. Abstr.) **(Chi)**

[Surgical treatment of arteriovenous malformations of the ventricles, basal ganglion, corpus callosum and interhemispheric fissures] Duan GS. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1983 Jun; 16(3):170–3 (Eng. Abstr.) **(Chi)**

[Anterior choroidal artery syndrome. Clinical and computed tomography study of 4 cases] Masson M, et al. **Rev Neurol (Paris)** 1983;139(10):547–52 (Eng. Abstr.) **(Fre)**

[Transcortical sensory aphasia produced by lesions of the anterior basal ganglia area] Yamadori A, et al. **No To Shinkei** 1984 Mar;36(3):261–6 (Eng. Abstr.) **(Jpn)**

CYTOLOGY

Claustral single cell reactions to tooth pulp stimulation in cats. Jastreboff P, et al. **Acta Neurobiol Exp (Warsz)** 1983; 43(4–5):291–8

DRUG EFFECTS

Computerized tomography in tardive dyskinesia. Evidence of structural abnormalities in the basal ganglia system. Bartels M, et al. **Arch Psychiatr Nervenkr** 1983;233(5):371–9

Stereotypy, locomotor and cataleptic effects produced by drugs influencing dopaminergic systems in a mutant strain of Wistar rats: a genuine model of basal ganglia dysfunction? Turski L, et al. **Behav Brain Res** 1984 Apr; 12(1):29–37

Reversible suppression of amygdaloid kindled convulsion following unilateral gabaculine injection into the substantia innominata. Okamoto M, et al. **Brain Res** 1984 Jul 9; 305(2):389–92

The effect of manganese inhalation on basal ganglia dopamine concentrations in rhesus monkey. Bird ED, et al. **Neurotoxicology (Park Forest Il)** 1984 Spring;5(1):59–65

ENZYMOLOGY

The occurrence of large acetylcholinesterase-containing neurons in human neostriatum as disclosed in normal and Alzheimer-diseased brains. Parent A, et al. **Brain Res** 1984 Jan 16;291(1):154–8

The substantia innominata and adjacent regions in the human brain: histochemical and biochemical observations. Perry RH, et al. **J Anat** 1984 Jun;138 (Pt 4):713–32

Decreased proline endopeptidase activity in the basal ganglia in Huntington's disease. Pittaway KM, et al. **J Neurochem** 1984 Sep;43(3):878–80

Elevation of neuropeptide Y (NPY) in substantia innominata in Alzheimer's type dementia. Allen JM, et al. **J Neurol Sci** 1984 Jun;64(3):325–31

Immunocytochemical studies of GABAergic neurons in rat basal ganglia and their relations to other neuronal systems. Oertel WH, et al. **Neurosci Lett** 1984 Jun 29;47(3):233–8

METABOLISM

A subcortico-cortical cholinergic system is affected in Parkinson's disease. Dubois B, et al. **Brain Res** 1983 Dec 12;288(1–2):213–8

Specific retrograde transport of nerve growth factor (NGF) from neocortex to nucleus basalis in the rat. Seiler M, et al. **Brain Res** 1984 May 21;300(1):33–9

Age-correlated changes in dopaminergic nigrostriatal perikarya of the C57BL/6NNia mouse. McNeill TH, et al. **Mech Ageing Dev** 1984 Mar;24(3):293–307

[Changes in the neuronal milieu of the basal ganglia in the aged subject may concern neuropeptides (letter)] Yamaura HI, et al. **Presse Med** 1983 Dec 29;12(48):3108 **(Fre)**

PATHOLOGY

The basal nucleus of Meynert in idiopathic Parkinson's disease. Tagliavini F, et al. **Acta Neurol Scand** 1984 Jul; 70(1):20–8

Parkinson's disease: neuron loss in the nucleus basalis without concomitant Alzheimer's disease. Nakano I, et al. **Ann Neurol** 1984 May;15(5):415–8

Persistence of cholinergic neurons in the basal nucleus in a brain with senile dementia of the Alzheimer's type demonstrated by immunohistochemical staining for choline acetyltransferase. Pearson RC, et al. **Brain Res** 1983 Dec 19;289(1–2):375–9

Anatomy and pathology of extrapyramidal diseases. Seab JA Jr. **Brain Res Bull** 1983 Aug;11(2):135–41

A comparison of changes in the nucleus basalis and locus caeruleus in Alzheimer's disease. Mann DM, et al. **J Neurol Neurosurg Psychiatry** 1984 Feb;47(2):201–3

Changes in nerve cells of the nucleus basalis of Meynert in Alzheimer's disease and their relationship to ageing and to the accumulation of lipofuscin pigment. Mann DM, et al. **Mech Ageing Dev** 1984 Apr-May;25(1–2):189–204

Aging, Alzheimer's disease, and the cholinergic system of the basal forebrain. McGeer PL, et al. **Neurology (NY)** 1984 Jun;34(6):741–5

Pick's disease (lobar sclerosis): depletion of neurons in the nucleus basalis of Meynert. Uhl GR, et al. **Neurology (NY)** 1983 Nov;33(11):1470–3

Crossed aphasia in dextrals: a case report with special reference to site of lesion. Habib M, et al. **Neuropsychologia** 1983;21(4):413–8

Correlation between cortical plaque count and neuronal loss in the nucleus basalis in Alzheimer's disease. Arendt T, et al. **Neurosci Lett** 1984 Jul 13;48(1):81–5

The basal nucleus of Meynert in patients with progressive supranuclear palsy. Tagliavini F, et al. **Neurosci Lett** 1984 Jan 27;44(1):37–42

[A Copernican revolution in neuropathology. Implications of the discovery of lesions in the nucleus basalis in Alzheimer's disease (editorial)] Muñoz García D. **Arch Neurobiol (Madr)** 1983 May-Jun;46(3):159–60 **(Spa)**

PHYSIOLOGY

Responses of monkey prefrontal neurons during a visual tracking task reinforced by substantia innominata self-stimulation. Funahashi S. **Brain Res** 1983 Oct 16; 276(2):267–76

Differentiation of basal ganglia dopaminergic involvement in behavior after hippocampectomy. Hannigan JH Jr, et al. **Brain Res** 1984 Jan 16;291(1):83–91

Evidence for a projection from the lateral preoptic area and substantia innominata to the 'mesencephalic locomotor region' in the rat. Swanson LW, et al. **Brain Res** 1984 Mar 12;295(1):161–78

Electrolytic lesions of the substantia innominata and lateral preoptic area attenuate the 'supersensitive' locomotor response to apomorphine resulting from denervation of the nucleus accumbens. Swerdlow NR, et al. **Brain Res** 1984 Jul 23;306(1–2):141–8

Recovery of neocortical choline acetyltransferase activity following ibotenic acid injection into the nucleus basalis of Meynert in rats. Wenk GL, et al. **Brain Res** 1984 Feb 13;293(1):184–6

Evidence that an accumbens to subpallidal GABAergic projection contributes to locomotor activity. Mogenson GJ, et al. **Brain Res Bull** 1983 Sep;11(3):309–14

Physiology of the basal ganglia: an overview. Lee RG. **Can J Neurol Sci** 1984 Feb;11(1 Suppl):124–8

Neurotransmitters in the basal ganglia. McGeer EG, et al. **Can J Neurol Sci** 1984 Feb;11(1 Suppl):89–99 (148 ref.)

Activity of forebrain neurons during alternating movements in cats. Melnick ME, et al. **Electroencephalogr Clin Neurophysiol** 1984 Jan;57(1):57–68

Inhibitory nigral influence on tectospinal neurons, a possible implication of basal ganglia in orienting behavior. Chevalier G, et al. **Exp Brain Res** 1984;53(2):320–6

Role of basal ganglia in limb movements. DeLong MR, et al. **Hum Neurobiol** 1984;2(4):235–44

Hippocampal damage: effects on dopaminergic systems of the basal ganglia. Isaacson RL. **Int Rev Neurobiol** 1984; 25:339–59

Basal ganglia outflow pathways and circling behaviour in the rat. Leigh PN, et al. **J Neural Transm** 1983;58(1–2):1–41

Contribution of the cortico-claustral loop to receptive field properties in area 17 of the cat. Sherk H, et al. **J Neurosci** 1983 Nov;3(11):2121–7

Motor function of basal ganglia [letter] Schneider JS. **Neurology (NY)** 1984 Feb;34(2):262–3

The effects of lesions produced by 5,7-dihydroxytryptamine on 5-hydroxytryptamine-mediated behaviour induced by amphetamine in large doses in the rat. Dickinson SL, et al. **Neuropharmacology** 1984 Apr;23(4):423–9

Electrical stimulation of the claustrum and conditioned-reflex activity. Vakolyuk NI, et al. **Neurosci Behav Physiol** 1983 May-Jun;13(3):158–63

A glutamatergic innervation of the nucleus basalis/substantia innominata. Davies SW, et al. **Neurosci Lett** 1984 Mar 9; 45(1):105–10

GABA and benzodiazepine receptors in basal ganglia function. Young AB, et al. **Neurosci Lett** 1984 Jun 29; 47(3):361–7

Nucleus tegmenti pedunculopontinus: efferent connections with special reference to the basal ganglia, studied in the rat by anterograde and retrograde transport of horseradish peroxidase. Jackson A, et al. **Neuroscience** 1983 Nov; 10(3):725–65

The topographical distribution of the monoaminergic innervation in the basal ganglia of the human brain. Hörtnagl H, et al. **Prog Brain Res** 1983;58:269–74

Paleostriatal lesions and instrumental learning in the pigeon. Mitchell JA, et al. **Q J Exp Psychol [B]** 1984 May; 36(2):93–117

[Functional and pathophysiological aspects of the basal ganglia] Yoshida M. **No To Hattatsu** 1984;16(2):85–91 **(Jpn)**

[Subcortical structures of the brain and the behavior of white rats] Gambarian LS, et al. **Zh Vyssh Nerv Deiat** 1984 May-Jun;34(3):459–64 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Nonmotor functions of the basal ganglia. Bodis-Wollner I, et al. **Adv Neurol** 1984;40:289–98

The basal ganglia in extrapyramidal dysfunction. Barnes CD. **Brain Res Bull** 1983 Aug;11(2):271–5 (60 ref.)

Function of the basal ganglia as revealed by cognitive and

motor disorders in Parkinson's disease. Marsden CD. **Can J Neurol Sci** 1984 Feb;11(1 Suppl):129–35

Role of the basal ganglia in a chemically induced dyskinesia in rat. Schneider JS. **Exp Neurol** 1984 Jun;84(3):524–32

The neurophysiologic basis of abnormal movements in basal ganglia disorders. DeLong MR. **Neurobehav Toxicol Teratol** 1983 Nov–Dec;5(6):611–6 (43 ref.)

RADIOGRAPHY

[Bilateral symmetrical low density areas in the basal ganglia—a case with dysarthria and gait disturbance] Ugawa Y, et al. **Rinsho Shinkeigaku** 1984 Apr;24(4):354–7 (Eng. Abstr.) **(Jpn)**

BASAL GANGLIA DISEASES

Extrapyramidal disorders. **J Neural Transm [Suppl]** 1983; 19:1–324

CEREBROSPINAL FLUID

Analysis of neurotransmitter metabolites and adenosine 3',5'–monophosphate in the CSF of patients with extrapyramidal motor disorders. Cramer H, et al. **Adv Neurol** 1984;40:431–5

CSF choline levels in groups of patients with cranial trauma or extrapyramidal disorders. Flentge F, et al. **J Neurol Neurosurg Psychiatry** 1984 Feb;47(2):207–9

CHEMICALLY INDUCED

Another view of calcium and extrapyramidal side effects [letter] Bailie GR, et al. **Am J Psychiatry** 1983 Nov; 140(11):1537–8

A case of akinesia induced by amoxapine. Gammon GD, et al. **Am J Psychiatry** 1984 Feb;141(2):283–4

Recognition and treatment of rabbit syndrome, an uncommon complication of neuroleptic therapies. Todd R, et al. **Am J Psychiatry** 1983 Nov;140(11):1519–20

Decreased extrapyramidal side effects and polypsichopharmacy in family practice outpatients. Holt RJ. **Bol Asoc Med PR** 1983 Aug;75(8):351–2

Neuroleptic malignant syndrome [letter] Cummins P. **Br J Psychiatry** 1984 May;144:556

Neuroleptic malignant syndrome [letter] **Br Med J [Clin Res]** 1984 Jun 2;288(6431):1690

Treatment of side effects in patients receiving Iv metoclopramide [letter] Strum SB, et al. **Cancer Treat Rep** 1983 Nov;67(11):1049–50

Quantitative assessment of neuroleptic–induced extrapyramidal symptoms: clinical and nonclinical approaches. May PR, et al. **Clin Neuropharmacol** 1983;6 Suppl 1:S35–51

Neuroleptic–induced extrapyramidal reactions: classification, description, and diagnosis. Tarsy D. **Clin Neuropharmacol** 1983;6 Suppl 1:S9–26 (57 ref.)

Vulnerability to extrapyramidal side effects. Van Putten T. **Clin Neuropharmacol** 1983;6 Suppl 1:S27–34 (34 ref.)

Extrapyramidal reaction secondary to oral promethazine. Schwinghammer TL, et al. **Clin Pharm** 1984 Jan–Feb; 3(1):83–5

Therapy of syndrome malin. Conner CS. **Drug Intell Clin Pharm** 1983 Sep;17(9):639–40

Oculogyric crisis induced by lithium carbonate. Sandyk R. **Eur Neurol** 1984;23(2):92–4

Lithium–induced accentuation of extrapyramidal symptoms in individuals with Alzheimer's disease. Kelwala S, et al. **J Clin Psychiatry** 1984 Aug;45(8):342–4

Amoxapine and extrapyramidal symptoms [letter] Luna OC, et al. **J Clin Psychiatry** 1984 Sep;45(9):407

Extrapyramidal syndrome associated with pipothiazines [letter] Schiff AA. **J Clin Psychiatry** 1984 Mar;45(3):145

Neuroleptic malignant syndrome [letter] Feldman J. **JAMA** 1984 Feb 10;251(6):727–8

Neuroleptic malignant syndrome. Knezevic W, et al. **Med J Aust** 1984 Jan 7;140(1):28–30

Amoxapine and extrapyramidal symptoms [letter] McKnight MA, et al. **South Med J** 1984 Jan;77(1):94

[Malignant neuroleptic syndrome] Devos P, et al. **LARC Med** 1984 May;4(5):316–9 **(Fre)**

[Extrapyramidal reactions caused by large doses of metoclopramide (letter)] Ell C, et al. **Dtsch Med Wochenschr** 1984 Jan 6;109(1): 38 **(Ger)**

[Current status of our knowledge of the neurotropic side effects of neuroleptic drugs] Sabbatini F, et al. **Minerva Psichiatr** 1983 Oct–Dec;24(4):145–53 (50 ref.) (Eng. Abstr.) **(Ita)**

[A case of syndrome malin with electrocardiographic abnormalities and a marked elevation of the serum creatine phosphokinase level] Tokuhashi I, et al. **Nippon Naika Gakkai Zasshi** 1984 Apr;73(4):527–32 **(Jpn)**

[Clinical manifestations and EEG findings in hydrogen cyanide poisoning] Friedman A, et al. **Neurol Neurochir Pol** 1983 Nov–Dec;17(6):659–63 (Eng. Abstr.) **(Pol)**

[Droperidol and ambulatory pediatric anesthesia (letter)] Castillo Monsegur J, et al. **Rev Esp Anestesiol Reanim** 1983 Nov–Dec;30(6):257 **(Spa)**

COMPLICATIONS

A progressive familial encephalopathy in infancy with calcifications of the basal ganglia and chronic cerebrospinal fluid lymphocytosis. Aicardi J, et al. **Ann Neurol** 1984 Jan; 15(1):49–54

Motor disorders in basal ganglia disease. Marsden CD. **Hum Neurobiol** 1984;2(4):245–50

Hemi–dystonia secondary to localised basal ganglia tumour. Narbona J, et al. **J Neurol Neurosurg Psychiatry** 1984 Jul; 47(7):704–9

Basal ganglia calcification and psychosis in Down's syndrome. Thase ME. **Postgrad Med J** 1984 Feb; 60(700):137–9

[A case with variable symptoms and signs, such as bilateral basal ganglia calcification, retardation of growth, mental retardation, hypofunction of gonadal organs, chronic renal failure, and orthostatic hypotension] Hirai Y, et al. **Nippon Naika Gakkai Zasshi** 1984 Apr;73(4):501–6 **(Jpn)**

[Intracranial hemorrhage in von Willebrand's disease.—A case report] Mizoi K, et al. **No Shinkei Geka** 1983 Jun; 11(6):667–71 (Eng. Abstr.) **(Jpn)**

[Hypertensive basal ganglionic hemorrhage with hemianopsia as the sole symptom—report of 2 cases] Aoki N, et al. **No To Shinkei** 1983 Nov;35(11):1141–4 (Eng. Abstr.) **(Jpn)**

[Calcified cysticerci in basal ganglia and Parkinson's syndrome: report of a case] Cavalcanti CE. **Arq Neuropsiquiatr** 1984 Jun;42(2):183–6 (Eng. Abstr.) **(Por)**

CONGENITAL

A new X–linked syndrome comprising progressive basal ganglion dysfunction, mental and growth retardation, external ophthalmoplegia, postnatal microcephaly and deafness. Schimke RN, et al. **Am J Med Genet** 1984 Jan; 17(1):323–32

DIAGNOSIS

Isolated facial palsy: a new lacunar syndrome. Huang CY, et al. **J Neurol Neurosurg Psychiatry** 1984 Jan;47(1):84–6

Pure psychic akinesia with bilateral lesions of basal ganglia. Laplane D, et al. **J Neurol Neurosurg Psychiatry** 1984 Apr; 47(4):377–85

DRUG THERAPY

Lisuride in extrapyramidal disorders: a possible mechanism of action. Bosio A, et al. **Adv Neurol** 1984;40:523–6

Role of amantadine in the management of neuroleptic–induced extrapyramidal syndromes: overview and pharmacology. Allen RM. **Clin Neuropharmacol** 1983; 6 Suppl 1:S64–73 (52 ref.)

Amantadine in the management of extrapyramidal side effects. Borison RL. **Clin Neuropharmacol** 1983;6 Suppl 1:S57–63

The clinical use of anticholinergic drugs as treatment for extrapyramidal side effects of neuroleptic drugs. McEvoy JP. **J Clin Psychopharmacol** 1983 Oct;3(5):288–302

ENZYMOLOGY

Oral glutamate loading in disorders with spinocerebellar and extrapyramidal involvement: effect on plasma glutamate, aspartate and taurine. Plaitakis A, et al. **J Neural Transm [Suppl]** 1983;19:65–74

ETIOLOGY

Extrapyramidal disorders: a possible underlying mechanism. Messiha FS. **Brain Res Bull** 1983 Aug;11(2):233–41

Hemorrhagic infarction of the basal ganglia. An unusual complication of acute leukemia. Hagner G, et al. **Oncology** 1983;40(6):387–91

Cerebral infarction of the basal ganglia due to embolism from the heart. Santamaria J, et al. **Stroke** 1983 Nov–Dec; 14(6):911–4

Calcified basal ganglionic mass 12 years after radiation therapy for medulloblastoma. Lichtor T, et al. **Surg Neurol** 1984 Apr;21(4):373–6

[Chorea and Vaquez's disease. Apropos of a case associated with extrapyramidal tremor] Tannier C, et al. **Sem Hop Paris** 1983 Nov 24;59(43):2991–4 (Eng. Abstr.) **(Fre)**

[Evolution and treatment of neuropsychiatric disorders in a case of hypoparathyroidism diagnosed late] Sabbatini F, et al. **Minerva Psichiatr** 1983 Jul–Sep;24(3):103–7 (Eng. Abstr.) **(Ita)**

[Neurologic and psychiatric manifestations in a case of systemic lupus erythematosus] Sabbatini F, et al. **Minerva Psichiatr** 1983 Jul–Sep;24(3):109–14 (Eng. Abstr.) **(Ita)**

FAMILIAL & GENETIC

Idiopathic torsion dystonia associated with lesions of the basal ganglia. PeBenito R, et al. **Clin Pediatr (Phila)** 1984 Apr;23(4):232–5

Psychiatric abnormality and brain calcification over four generations. Francis A, et al. **J Nerv Ment Dis** 1984 Mar; 172(3):166–70

[Nuclear magnetic resonance in the Hallervorden–Spatz syndrome] Vogl T, et al. **Digitale Bilddiagn** 1984 Jun; 4(2):66–8 (Eng. Abstr.) **(Ger)**

[Familial basal ganglia calcinosis, mitochondrial myopathy and epilepsy—result of a single metabolic disorder?] Grotemeyer KH, et al. **Nervenarzt** 1984 Apr;55(4):202–7 **(Ger)**

METABOLISM

Catecholamine–related enzymes and the biopterin cofactor in Parkinson's disease and related extrapyramidal diseases. Nagatsu T, et al. **Adv Neurol** 1984;40:467–73

Calcium–phosphate metabolism in autosomal recessive idiopathic strio–pallido–dentate calcinosis and Cockayne's syndrome. Smits MG, et al. **Clin Neurol Neurosurg** 1983; 85(3):145–53

DNA damage and chronic neuronal degenerations. Robison SH, et al. **J Neurol Sci** 1984 Apr;64(1):11–20 (90 ref.)

[Homovanillic acid content in the cerebrospinal fluid as an index of dopamine cerebral metabolism before and after a stereotaxic operation in patients with extrapyramidal hyperkinetic syndromes] Barkhatova VP, et al. **Zh Nevropatol Psikhiatr** 1984;84(7):1050–5 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Anatomy and pathology of extrapyramidal diseases. Seab JA Jr. **Brain Res Bull** 1983 Aug;11(2):135–41

PHYSIOPATHOLOGY

The basal ganglia in extrapyramidal dysfunction. Barnes CD. **Brain Res Bull** 1983 Aug;11(2):271–5 (60 ref.)

Involvement of upper–airway muscles in extrapyramidal disorders. A cause of airflow limitation. Vincken WG, et al. **N Engl J Med** 1984 Aug 16;311(7):438–42

The neurophysiologic basis of abnormal movements in basal ganglia disorders. DeLong MR. **Neurobehav Toxicol Teratol** 1983 Nov–Dec;5(6):611–6 (43 ref.)

Manganese and extrapyramidal disorders (a critical review and tribute to Dr. George C. Cotzias). Barbeau A. **Neurotoxicology (Park Forest Il)** 1984 Spring;5(1):13–35

RADIONUCLIDE IMAGING

Pure hemidystonia with basal ganglion abnormalities on positron emission tomography. Perlmutter JS, et al. **Ann Neurol** 1984 Mar;15(3):228–33

SURGERY

[Stereotaxic surgery in the treatment of extrapyramidal disorders] Wu SL. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1983 Apr; 16(2):73–6 (Eng. Abstr.) **(Chi)**

THERAPY

Management of extrapyramidal disease in the family medicine clinic. Peddicord OW. **Brain Res Bull** 1983 Aug; 11(2):163–6

General principles of treatment of extrapyramidal syndromes. Gelenberg AJ. **Clin Neuropharmacol** 1983;6 Suppl 1:S52–6

BASAL METABOLISM

see related

CALORIMETRY

Short photoperiods counteract the effects of ovariectomy on energy balance of voles. Dark J, et al. **Am J Physiol** 1984 Jan;246(1 Pt 2):R31–4

Reduced postprandial heat production with gavage as compared with meal feeding in human subjects. LeBlanc J, et al. **Am J Physiol** 1984 Jan;246(1 Pt 1):E95–101

Total calorimetric measurements in the rat: influences of the sleep–wakefulness cycle and of the environmental temperature. Schmidek WR, et al. **Brain Res** 1983 Dec 12;288(1–2):261–71

Shrew metabolic rates and thyroxine utilization. Tomasi T. **Comp Biochem Physiol [A]** 1984;78(3):431–5

Diminished dietary thermogenesis in exercise–trained human subjects. Tremblay A, et al. **Eur J Applied Physiol** 1983; 52(1):1–4

Lean body mass is a predictor of the daily requirement for thyroid hormone in older men and women. Cunningham JJ, et al. **J Am Geriatr Soc** 1984 Mar;32(3):204–7

A simple and accurate indirect calorimetry system for assessment of resting energy expenditure. Head CA, et al. **JPEN** 1984 Jan–Feb;8(1):45–8

Diminished energy requirements in reduced–obese patients. Leibel RL, et al. **Metabolism** 1984 Feb;33(2):164–70

Basal and exercise tests on morbidly obese patients before and after gastric bypass. Zavala DC, et al. **Surgery** 1984 Feb;95(2):221–9

[Basal metabolism: definition and apparatus for its measurement] Even P, et al. **C R Seances Acad Sci [III]** 1984;298(9):261–6 (Eng. Abstr.) **(Fre)**

[Measurement of basal metabolism in relation to food intake : ischymetric hypothesis] Nicolaidis S, et al. **C R Seances Acad Sci [III]** 1984;298(10):295–300 (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

Epinephrine sensitivity with respect to metabolic rate and other variables in women. Sjöström L, et al. **Am J Physiol** 1983 Nov;245(5 Pt 1):E431–42

Effects of glucagon on basal metabolic rate and oxidative

phosphorylation of rat liver mitochondria. Breton L, et al. **Horm Metab Res** 1983 Sep;15(9):429–32

RADIATION EFFECTS

[Relation between the changes in basal metabolism in acute hypoxia and response to subsequent irradiation with 200 Gy] Grigor'ev AIu. **Radiobiologiia** 1983 Nov–Dec; 23(6):827–9 (Eng. Abstr.) **(Rus)**

BASAL NUCLEI see **BASAL GANGLIA**

BASAL NUCLEUS, OLIVARY see **OLIVARY NUCLEUS**

BASE COMPOSITION

How many base–pairs per turn does DNA have in solution and in chromatin? An answer from wide–angle X–ray scattering. Damaschun G, et al. **Biomed Biochim Acta** 1983; 42(6):697–703

A quantum chemical study of the effect of Na+ on the hydrogen bonds in the adenine–thymine base–pair. Hobza P, et al. **Biophys Chem** 1984 May;19(3):201–9

AT base pairs are less stable than GC base pairs in Z–DNA: the crystal structure of d(m5CGTAm5CG). Wang AH, et al. **Cell** 1984 May;37(1):321–31

A new model for DNA containing A.T and I.C base pairs. Drew HR, et al. **EMBO J** 1982;1(6):663–7

Dynamics of DNA duplexes containing internal G.T, G.A, A.C, and T.C pairs: hydrogen exchange at and adjacent to mismatch sites. Patel DJ, et al. **Fed Proc** 1984 Aug; 43(11):2663–70

Evidence of 2–aminopurine–cytosine base mispairs involving two hydrogen bonds. Goodman MF, et al. **J Biol Chem** 1983 Nov 10;258(21):12842–6

A novel guanine–guanine base pairing: crystal structure of a complex between 7–methylguanosine and its iodide. Yamagata Y, et al. **Nucleic Acids Res** 1983 Sep 24; 11(18):6475–86

Site–specific cleavage of DNA at 8– and 10–base–pair sequences. McClelland M, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(4):983–7

BASE PAIRS see **BASE COMPOSITION**

BASE RATIO see **BASE COMPOSITION**

BASE SEQUENCE

Secondary structure and intron–promoter homology in globin–switching. Lavett DK. **Am J Hum Genet** 1984 Mar; 36(2):338–45

Approaches to rapid DNA sequence analysis. Deininger PL. **Anal Biochem** 1983 Dec;135(2):247–63 (61 ref.)

Sequence–determined DNA separations. Lerman LS, et al. **Annu Rev Biophys Bioeng** 1984;13:399–423

Influence of local nucleotide sequence on substitution of 2–aminopurine for adenine during deoxyribonucleic acid synthesis in vitro. Pless RC, et al. **Biochemistry** 1983 Oct 11;22(21):4905–15

Enzymic detection of uracil in a cloned and sequenced deoxyribonucleic acid segment. Weiss RB, et al. **Biochemistry** 1983 Sep 13;22(19):4501–7

Correlation of Tm and sequence of DNA duplexes with delta H computed by an improved empirical potential method. Ornstein RL, et al. **Biopolymers** 1983 Aug;22(8):1979–2000

Correlation of Tm, sequence, and delta H of complementary RNA helices and comparison with DNA helices. Ornstein RL, et al. **Biopolymers** 1983 Aug;22(8):2001–16

2–Acetylaminofluorene–modified probes for the indirect hybridocytochemical detection of specific nucleic acid sequences. Landegent JE, et al. **Exp Cell Res** 1984 Jul; 153(1):61–72

Unidirectional digestion with exonuclease III creates targeted breakpoints for DNA sequencing. Henikoff S. **Gene** 1984 Jun;28(3):351–9

Assessment of a model for intron RNA secondary structure relevant to RNA self–splicing—a review. Waring RB, et al. **Gene** 1984 Jun;28(3):277–91

Maximum likelihood estimation of the number of nucleotide substitutions from restriction sites data. Nei M, et al. **Genetics** 1983 Sep;105(1):207–17

Recognition patterns for exon–intron junctions in higher organisms as revealed by a computer search. Iida Y, et al. **J Biochem (Tokyo)** 1983 Dec;94(6):1731–8

On the nucleotide sequence recognized by a eukaryotic site–specific endonuclease, Endo.SceI from yeast. Shibata T, et al. **J Biol Chem** 1984 Aug 25;259(16):10499–506

tRNA–rRNA sequence homologies: evidence for a common evolutionary origin? Bloch DP, et al. **J Mol Evol** 1983; 19(6):420–8

Phylogeny of protozoa deduced from 5S rRNA sequences. Kumazaki T, et al. **J Mol Evol** 1983;19(6):411–9

Cancer is not due to the expression of introns [letter] Crispe IN, et al. **J Theor Biol** 1984 Mar 21;107(2):339–40

Storage and retrieval of biomolecule sequences [letter] Sepúlveda A, et al. **J Theor Biol** 1983 Jul 21;103(2):331–2

Efficient sequence alignment algorithms. Waterman MS. **J Theor Biol** 1984 Jun 7;108(3):333–7

Methods of RNA sequence analysis. Diamond A, et al. **Methods Enzymol** 1983;100:431–53

Efficient transfer of small DNA fragments from polyacrylamide gels to diazo or nitrocellulose paper and hybridization. Frei E, et al. **Methods Enzymol** 1983; 100:309–26

Exonuclease III: use for DNA sequence analysis and in specific deletions of nucleotides. Guo LH, et al. **Methods Enzymol** 1983;100:60–96

Plasmid screening at high colony density. Hanahan D, et al. **Methods Enzymol** 1983;100:333–42

Generation of overlapping labeled DNA fragments for DNA sequencing: a mercury–thiol affinity system. Hartley JL, et al. **Methods Enzymol** 1983;100:116–30

Oligonucleotide–directed mutagenesis of DNA fragments cloned into M13 vectors. Zoller MJ, et al. **Methods Enzymol** 1983;100:468–500

Exons—present from the beginning? [news] Blake C. **Nature** 1983 Dec 8–14;306(5943):535–7

Alignment of base sequences [letter] Fitch WM. **Nature** 1984 May 31–Jun 6;309(5967):410

Basically musical [letter] Hayashi K, et al. **Nature** 1984 Jul 12–18;310(5973):96

The meaning of homology [letter] Janković GM. **Nature** 1984 Aug 23–29;310(5979):635

Alignment of base sequences [letter] Jukes TH. **Nature** 1984 Aug 23–29;310(5979):636

A close look at the genome [news] Little PF. **Nature** 1984 Aug 2–8;310(5976):369

The locus of sequence–directed and protein–induced DNA bending. Wu HM, et al. **Nature** 1984 Apr 5–11; 308(5959):509–13

Rapid searches for complex patterns in biological molecules. Abarbanel RM, et al. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 1):263–80

Introduction of restriction enzyme sites in protein–coding DNA sequences by site–specific mutagenesis not affecting the amino acid sequence: a computer program. Arentzen R, et al. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 2):777–87

DNA sequence handling programs in BASIC for home computers. Biro PA. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 2):627–31

Fast computer search for similar DNA sequences. Bishop M, et al. **Nucleic Acids Res** 1984 Jul 11;12(13):5471–4

A computer package for DNA sequence analysis. Blattner FR, et al. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 2):615–7

Sequence comparison by exponentially–damped alignment. Boswell DR, et al. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 2):457–64

Genome structure described by formal languages. Brendel V, et al. **Nucleic Acids Res** 1984 Mar 12;12(5):2561–8

Signal search analysis: a new method to localize and characterize functionally important DNA sequences. Bucher P, et al. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 1):287–305

KLONER; a computer program to simulate recombinant DNA strategies by restriction map manipulation. Caron PR. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 2):731–7

A common philosophy and FORTRAN 77 software package for implementing and searching sequence databases. Claverie JM. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 1):397–407

Applications of parallel processing algorithms for DNA sequence analysis. Collins JF, et al. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 1):181–92

Update for users of the Cornell sequence analysis package. De Banzie JS, et al. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 2):619–25

A comprehensive set of sequence analysis programs for the VAX. Devereux J, et al. **Nucleic Acids Res** 1984 Jan 11; 12(1 Pt 1):387–95

Collection of published 5S and 5.8S ribosomal RNA sequences. Erdmann VA, et al. **Nucleic Acids Res** 1984;12 Suppl:r133–66

Fast optimal alignment. Fickett JW. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 1):175–9

ACNUC: a nucleic acid sequence data base and analysis system. Gouy M, et al. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 1):121–7

Computer–based image analysis of one–dimensional electrophoretic gels used for the separation of DNA restriction fragments. Gray AJ, et al. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 2):473–91

The codon preference plot: graphic analysis of protein coding sequences and prediction of gene expression. Gribskov M, et al. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 2):539–49

A computer program package for storing and retrieving DNA/RNA and protein sequence data. Isono K. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 1):101–12

JINN, an integrated software package for molecular geneticists. Johnsen M. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 2):657–64

A relational database system for the maintenance and verification of the Los Alamos sequence library. Kanehisa M, et al. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 1):149–58

Use of statistical criteria for screening potential homologies in nucleic acid sequences. Kanehisa M. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 1):203–13

Computer programs for handling nucleic acid sequences. Keller C, et al. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 1):379–86

DNAGEL: a computer program for determining DNA fragment sizes using a small computer equipped with a graphics tablet. Kieser T. **Nucleic Acids Res** 1984 Jan 11; 12(1 Pt 2):679–88

An inexpensive semi–automated sequence reader for the Apple II computer. Komaromy M, et al. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 2):675–8

Compilation and analysis of sequences upstream from the translational start site in eukaryotic mRNAs. Kozak M. **Nucleic Acids Res** 1984 Jan 25;12(2):857–72

Extension of a flexible computer program for handling DNA sequence data. Kröger M, et al. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 1):113–20

The nucleotide recognized by the Escherichia coli A restriction and modification enzyme. Kröger M, et al. **Nucleic Acids Res** 1984 Jan 25;12(2):887–99

Simplified computer programs for search of homology within nucleotide sequences. Kröger M, et al. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 1):193–201

GENAS: a database system for nucleic acid sequence analysis. Kuhara S, et al. **Nucleic Acids Res** 1984 Jan 11; 12(1 Pt 1):89–99

A DNA sequence analysis package for the IBM personal computer. Lagrimini LM, et al. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 2):605–14

A potential stem–loop structure and the sequence CAAUCAA in the transcript are insufficient to signal rho–dependent transcription termination at lambda tR1. Lau LF, et al. **Nucleic Acids Res** 1984 Jan 25;12(2):1287–99

On the statistical significance of nucleic acid similarities. Lipman DJ, et al. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 1):215–26

Interactive computer programs for the graphic analysis of nucleotide sequence data. Luckow VA, et al. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 2):665–73

BIOLOG – a DNA sequence analysis system in PROLOG. Lyall A, et al. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 2):633–42

Apple II PASCAL programs for molecular biologists. Malthiery B, et al. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 2):569–79

Heterogeneity of mammalian DNA ligase detected on activity and DNA sequencing gels. Mezzina M, et al. **Nucleic Acids Res** 1984 Jun 25;12(12):5109–22

Microcomputer programs for back translation of protein to DNA sequences and analysis of ambiguous DNA sequences. Mount DW, et al. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 2):819–23

Microcomputer programs for graphic analysis of nucleic acid and protein sequences. Mount DW, et al. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 2):811–7

Alteration of apparent restriction endonuclease recognition specificities by DNA methylases. Nelson M, et al. **Nucleic Acids Res** 1984 Jul 11;12(13):5165–73

Plasmid mapping computer program. Nolan GP, et al. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 2):717–29

A program for prediction of protein secondary structure from nucleotide sequence data: application to histocompatibility antigens. Novotný J, et al. **Nucleic Acids Res** 1984 Jan 11; 12(1 Pt 1):243–55

SEQAID: a DNA sequence assembling program based on a mathematical model. Peltola H, et al. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 1):307–21

Computer programs for the characterization of protein coding genes. Pierno G, et al. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 1):281–5

PMAP, PMAPS: DNA physical map constructing programs. Polner G, et al. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 1):227–36

A convenient and adaptable package of computer programs for DNA and protein sequence management, analysis and homology determination. Pustell J, et al. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 2):643–55

A type II restriction endonuclease with an eight nucleotide specificity from Streptomyces fimbriatus. Qiang BQ, et al. **Nucleic Acids Res** 1984 Jun 11;12(11):4507–16

A comprehensive sequence analysis program for the IBM personal computer. Queen C, et al. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 2):581–99

Computer programs used to aid in the selection of DNA hybridization probes. Raupach RE. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 2):833–6

On the statistical assessment of similarities in DNA sequences. Reich JG, et al. **Nucleic Acids Res** 1984 Jul 11; 12(13):5529–43

Utilization of sequence libraries on a 16–bit mini computer with particular reference to high speed searching. Reisner AH, et al. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 1):409–16

A colorimetric method for DNA hybridization. Renz M, et al. **Nucleic Acids Res** 1984 Apr 25;12(8):3435–44

Restriction and modification enzymes and their recognition sequences. Roberts RJ. **Nucleic Acids Res** 1984;12 Suppl:r167–204

Apple software for analysis of the size of restriction fragments. Rood JI, et al. **Nucleic Acids Res** 1984 Jan 11; 12(1 Pt 2):689–94

GELYSIS: Pascal–implemented analysis of one–dimensional electrophoresis gels. Russell PJ, et al. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 2):493–8

A convenient method for locating sets of related short sequences in DNA sequences of any length. Salemme A, et al. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 1):257–62

Delila system tools. Schneider TD, et al. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 1):129–40

DNA sequence analysis on the IBM–PC. Schwindinger WF, et al. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 2):601–4

Recombinant DNA data management at the restriction and

functional site level. Shalloway D, et al. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 2):739–50
Compilation of tRNA sequences. Sprinzl M, et al. **Nucleic Acids Res** 1984;12 Suppl:r1–57
Compilation of sequences of tRNA genes. Sprinzl M, et al. **Nucleic Acids Res** 1984;12 Suppl:r59–131
Computer methods to locate signals in nucleic acid sequences. Staden R. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 2):505–19
A computer program to enter DNA gel reading data into a computer. Staden R. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 2):499–503
Measurements of the effects that coding for a protein has on a DNA sequence and their use for finding genes. Staden R. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 2):551–67
Graphic methods to determine the function of nucleic acid sequences. Staden R. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 2):521–38
PLASMAP: an interactive computational tool for storage, retrieval and device-independent graphic display of conventional restriction maps. Stone BN, et al. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 2):465–71
Simple sequences are ubiquitous repetitive components of eukaryotic genomes. Tautz D, et al. **Nucleic Acids Res** 1984 May 25;12(10):4127–38
A fast homology program for aligning biological sequences. Taylor P. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 2):447–55
'ZSTATS'—a statistical analysis for potential Z-DNA sequences. Vass JK, et al. **Nucleic Acids Res** 1984 Jan 11; 12(1 Pt 2):825–32
Frequencies of restriction sites. Waterman MS. **Nucleic Acids Res** 1983 Dec 20;11(24):8951–6
Compilation of published signal sequences. Watson ME. **Nucleic Acids Res** 1984 Jul 11;12(13):5145–64 (311 ref.)
The diagonal-traverse homology search algorithm for locating similarities between two sequences. White CT, et al. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 2):751–66
Computer selection of oligonucleotide probes from amino acid sequences for use in gene library screening. Yang JH, et al. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 2):°37–43
Analysis of large nucleic acid dot matrices on small computers. Zweig SE. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 2):767–76
A new, convenient method for determining T residues in chemical DNA sequencing by using photoreaction with spermine. Sugiyama H, et al. **Nucleic Acids Symp Ser** 1983; (12):103–6
Genomic sequencing. Church GM, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(7):1991–5
Demonstration of the production of frameshift and base-substitution mutations by quasipalindromic DNA sequences. de Boer JG, et al. **Proc Natl Acad Sci USA** 1984 Sep;81(17):5528–31
Strategy for the mass spectrometric verification and correction of the primary structures of proteins deduced from their DNA sequences. Gibson BW, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(7):1956–60
Structural intermediates of deletion mutagenesis: a role for palindromic DNA. Glickman BW, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(2):512–6
Exon–intron organization and complete nucleotide sequence of a human major histocompatibility antigen DC beta gene. Larhammar D, et al. **Proc Natl Acad Sci USA** 1983 Dec; 80(23):7313–7
Brain-specific genes have identifier sequences in their introns. Milner RJ, et al. **Proc Natl Acad Sci USA** 1984 Feb; 81(3):713–7
Sequences essential for transposition at the termini of IS50. Sasakawa C, et al. **Proc Natl Acad Sci USA** 1983 Dec; 80(23):7293–7
Are DNA spacers relics of gene amplification events? Wong WM, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(6):1768–70
Nearest-neighbor effects in the structure and function of nucleic acids. Bubienko E, et al. **Prog Nucleic Acid Res Mol Biol** 1983;30:41–90 (188 ref.)
[Computer analysis of nucleotide sequences] Suyama A, et al. **Tanpakushitsu Kakusan Koso** 1983 Sep;28(10):1165–86 (80 ref.) **(Jpn)**
[Periodic classification of DNA sequences recognized by restrictases: properties of symmetry and regularity] Shumilov VIu. **Mol Biol (Mosk)** 1984 Mar–Apr; 18(2):525–40 (Eng. Abstr.) **(Rus)**

BASEBALL see under **SPORTS**

BASEDOW'S DISEASE see **GOITER, EXOPHTHALMIC**

BASEMENT MEMBRANE

ANALYSIS

Immunofluorescence study of the antigens of the basement membrane and the peritumoral stroma in human colonic adenocarcinomas. Burtin P, et al. **Ann NY Acad Sci** 1983; 420:229–36
Isolation and characterization of pepsin-solubilized human basement membrane (type IV) collagen peptides. MacWright RS, et al. **Biochemistry** 1983 Oct 11; 22(21):4940–8
Glycosaminoglycans of arterial basement membrane-like material from cultured rabbit aortic myomedial cells. Heickendorff L, et al. **Biochim Biophys Acta** 1984 Apr 10; 798(2):276–82
Measurement of anti-glomerular-basement-membrane antibodies by micro ELISA using insoluble antigens. Barnard K, et al. **Biosci Rep** 1984 Mar;4(3):195–201
Macromolecular constituents of basement membranes: a review of current knowledge on their structure and function. Scott PG. **Can J Biochem Cell Biol** 1983 Aug; 61(8):942–8 (79 ref.)
Nidogen: a new, self-aggregating basement membrane protein. Timpl R, et al. **Eur J Biochem** 1983 Dec 15; 137(3):455–65
Subunit structure and assembly of the globular domain of basement-membrane collagen type IV. Weber S, et al. **Eur J Biochem** 1984 Mar 1;139(2):401–10
Distribution of entactin in the basement membrane of the rat mammary gland. Evidence for a non-epithelial origin. Warburton MJ, et al. **Exp Cell Res** 1984 May;152(1):240–54
Basement membrane heparan sulfate proteoglycan from the L2 rat yolk sac carcinoma. Fenger M, et al. **FEBS Lett** 1984 Jul 23;173(1):75–9
Changes in serum and tissue fibronectin during ontogeny. Sochorová L, et al. **Physiol Bohemoslov** 1983;32(6):481–5
Characterization of heparan sulfate-proteoglycan of glomerular basement membranes. Kanwar YS, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(3):762–6
Intermolecular reducible cross-links in rat glomerular basement membrane. Wu VY, et al. **Renal Physiol** 1983; 6(5):232–9

ANATOMY & HISTOLOGY

[Basement membranes: general aspects, role in odontogenesis] Meyer JM, et al. **Arch Anat Histol Embryol (Strasb)** 1983; 66:163–79 (Eng. Abstr.) **(Fre)**

EMBRYOLOGY

Development of basal lamina in synaptic and extrasynaptic portions of embryonic rat muscle. Chiu AY, et al. **Dev Biol** 1984 Jun;103(2):456–67
Immunohistochemical localization of entactin and laminin in mouse embryos and fetuses. Wu TC, et al. **Dev Biol** 1983 Dec;100(2):496–505

IMMUNOLOGY

Ultrastructural localization of in vitro binding sites of circulating anti-basement membrane zone antibodies in bullous pemphigoid. Yamasaki Y, et al. **Acta Derm Venereol (Stockh)** 1983;63(6):501–6
Experimental autoimmune glomerulonephritis induced by anti-glomerular basement membrane antibody. II. Effects of injecting heterologous, homologous, or autologous glomerular basement membranes and complete Freund's adjuvant into sheep. Steblay RW, et al. **Am J Pathol** 1983 Nov;113(2):125–33
Use of anti-basement membrane antibodies to distinguish blood vessel capillaries from lymphatic capillaries. Barsky SH, et al. **Am J Surg Pathol** 1983 Oct;7(7):667–77
A functional assay for complement-activating antibodies to the cutaneous basement membrane zone. Gammon WR, et al. **Ann NY Acad Sci** 1983;420:335–42
Basement membrane-producing tumors as antigenic substrate for the demonstration of anti-basement membrane antibodies. Wick G, et al. **Ann NY Acad Sci** 1983; 420:267–74
Thrombotic microangiopathy in anti-glomerular basement membrane glomerulonephritis. Stave GM, et al. **Arch Pathol Lab Med** 1984 Sep;108(9):747–51
Isolation and characterization of nephritogenic antigen from bovine glomerular basement membrane. Sado Y, et al. **Biochim Biophys Acta** 1984 Mar 22;798(1):96–102
Degradation of glomerular basement membrane by human neutrophils in vitro. Vissers MC, et al. **Biochim Biophys Acta** 1984 Jun 19;804(2):154–60
Hereditary nephritis (Alport's syndrome)–1983. Spear GS. **Clin Nephrol** 1984 Jan;21(1):3–6
The use of monoclonal antibodies in skin basement membrane research. Fine JD. **Coll Relat Res** 1984 Jan;4(1):75–81
Basement membrane diversity detected by monoclonal antibodies. Hessle H, et al. **Differentiation** 1984;26(1):49–54
Basement membrane and apocrine epithelial antigens in differential diagnosis between tubular carcinoma and sclerosing adenosis of the breast. Ekblom P, et al. **J Clin Pathol** 1984 Apr;37(4):357–63
Differentiating anti-lamina lucida and anti-sublamina densa anti-BMZ antibodies by indirect immunofluorescence on 1.0 M sodium chloride-separated skin. Gammon WR, et al. **J Invest Dermatol** 1984 Feb;82(2):139–44
Monoclonal antibodies to human renal basement membranes: heterogenic and ontogenic changes. Michael AF, et al. **Kidney Int** 1983 Jul;24(1):74–86
Macrophage-induced glomerular injury. Cell transfer studies in passive autologous antiglomerular basement membrane antibody-initiated experimental glomerulonephritis. Holdsworth SR, et al. **Lab Invest** 1984 Aug;51(2):172–80
Isolation of the specific glomerular basement membrane antigen involved in Goodpasture syndrome. Wieslander J, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(5):1544–8
[Basement membranes of epithelial tumors of the ovary. Histochemical and immunohistochemical study using antibodies to collagen IV, III, I and to laminin] Frappart L, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1984; 13(2):117–23 (Eng. Abstr.) **(Fre)**
[Antigens of the basal membranes and its clinical relevance] Gabrielli A. **Recenti Prog Med** 1983 Dec;74(12):1429–35 **(Ita)**

METABOLISM

A quantitative assay for the hydrolysis of structurally intact basement membranes. Smith C, et al. **Anal Biochem** 1984 Jun;139(2):448–58
Glycosylation in vivo of human lens capsule (basement membrane) and diabetes mellitus. Mandel SS, et al. **Biochem Biophys Res Commun** 1983 Nov 30;117(1):51–6
Self-assembly of basement membrane collagen. Yurchenco PD, et al. **Biochemistry** 1984 Apr 10;23(8):1839–50
Interactions of basement membrane components. Woodley DT, et al. **Biochim Biophys Acta** 1983 Dec 27;761(3):278–83
Albumin deposition in dermal capillary basement membrane in parents of type 1 (insulin-dependent) diabetic patients. Chavers B, et al. **Diabetologia** 1984 Jun;26(6):415–9
Clonal tumorigenic endodermal cell lines producing basement membrane components. Engvall E, et al. **Exp Cell Res** 1984 Jan;150(1):258–67
Age-related changes in sulfation of basement membrane glycosaminoglycans. Cohen MP, et al. **Exp Gerontol** 1983; 18(6):447–50
Age-related changes in non-enzymatic glycosylation of human basement membranes. Cohen MP, et al. **Exp Gerontol** 1983;18(6):461–9
Co-operation between metastatic tumor cells and macrophages in the degradation of basement membrane (type IV) collagen. Henry N, et al. **FEBS Lett** 1983 Sep 19;161(2):243–6
Evidence for collagen molecular orientation in basement membranes. Junqueira LC, et al. **Histochem J** 1983 Aug; 15(8):785–94
Nonenzymatic glycosylation of bovine retinal microvessel basement membranes in vitro. Kinetic analysis and inhibition by aspirin. Li W, et al. **Invest Ophthalmol Vis Sci** 1984 Aug;25(8):884–92
Reduced synthesis of basement membrane heparan sulfate proteoglycan in streptozotocin-induced diabetic mice. Rohrbach DH, et al. **J Biol Chem** 1983 Oct 10; 258(19):11672–7
Changes in the basement membrane zone components during skeletal muscle fiber degeneration and regeneration. Gulati AK, et al. **J Cell Biol** 1983 Oct;97(4):957–62
Selective degradation of basement membrane macromolecules by metastatic melanoma cells. Kramer RH, et al. **JNCI** 1984 Apr;72(4):889–99
Influence of charge on filtration across renal basement membrane films in vitro. Bray J, et al. **Kidney Int** 1984 Mar;25(3):527–33

PATHOLOGY

Immunocytochemical enhancement of basement membrane antigens by pepsin: applications in diagnostic pathology. Barsky SH, et al. **Am J Clin Pathol** 1984 Aug;82(2):191–4
Membranoproliferative glomerulonephritis type I in children: correlation of clinical features with pathologic subtypes. Watson AR, et al. **Am J Kidney Dis** 1984 Sep;4(2):141–6
Muscle capillary basement membrane in identical twins discordant for insulin-dependent diabetes. Barnett AH, et al. **Diabetes** 1983 Jun;32(6 Pt 1):557–60
Muscle capillary basement membrane width and its relationship to diabetes mellitus in monozygotic twins. Ganda OP, et al. **Diabetes** 1983 Jun;32(6 Pt 1):549–56
The development of lesions in the glomerular basement membrane and mesangium after transplantation of normal kidneys to diabetic patients. Mauer SM, et al. **Diabetes** 1983 Oct;32(10):948–52
From the NIH. Membrane changes in epithelial neoplasms. Storad CJ. **JAMA** 1984 Oct 5;252(13):1665
Peripheral glomerular basement membrane thickness in the normal and diabetic monkey. Jones CW, et al. **Lab Invest** 1984 Aug;51(2):193–8
[Changes in the basal membrane of the seminiferous tubules in fertility disorders] Török L. **Dermatol Monatsschr** 1983; 169(8):514–20 (Eng. Abstr.) **(Ger)**
[Basement membranes—structure, function, pathology] Weber L, et al. **Hautarzt** 1984 Jun;35(6):279–86 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Regeneration of mouse peripheral nerves in degenerating skeletal muscle: guidance by residual muscle fibre basement membrane. Keynes RJ, et al. **Brain Res** 1984 Mar 19; 295(2):275–81
Recent progress towards understanding the roles of the basement membrane in development. Sanders EJ. **Can J Biochem Cell Biol** 1983 Aug;61(8):949–56 (94 ref.)
Epithelial induction of osteogenesis in embryonic chick mandibular mesenchyme: a possible role for basal lamina. Van Exan RJ, et al. **Can J Biochem Cell Biol** 1983 Aug; 61(8):967–79
Interaction of metastatic tumor cells with bovine lens capsule basement membrane. Starkey JR, et al. **Cancer Res** 1984 Apr;44(4):1585–94
Influence of maternal diabetes on basement membranes, type 2 cells, and capillaries in the developing rat lung. Grant MM, et al. **Dev Biol** 1984 Aug;104(2):469–76
Changing patterns of fibronectin, laminin, type IV collagen, and a basement membrane proteoglycan during rat Mullerian duct regression. Ikawa H, et al. **Dev Biol** 1984

Mar;102(1):260–3
Synthesis and effects of basement membrane components in cultured rat Schwann cells. McGarvey ML, et al. **Dev Biol** 1984 Sep;105(1):18–28
Basement membrane components in healing rabbit corneal epithelial wounds: immunofluorescence and ultrastructural studies. Fujikawa LS, et al. **J Cell Biol** 1984 Jan; 98(1):128–38
Modification of the biosynthesis of the protein linked carbohydrates in bovine lens epithelial cells by the eye derived growth factor and by the extracellular matrix. Moczar E, et al. **Prog Clin Biol Res** 1984;151:89–102
Extracellular matrix–mediated interactions during odontogenesis. Ruch JV, et al. **Prog Clin Biol Res** 1984; 151:103–14

PHYSIOPATHOLOGY

Multiple heparan sulfate proteoglycans synthesized by a basement membrane producing murine embryonal carcinoma cell line. Lowe-Krentz LJ, et al. **Biochemistry** 1983 Sep 13;22(19):4412–9
Degradation of basement membrane components by vascular endothelial cells: role in neovascularization. Glaser BM, et al. **Ciba Found Symp** 1983;100:150–62

RADIATION EFFECTS

Cell–cell matrix interactions in induced lung injury. I. The effects of X-irradiation on basal laminar proteoglycans. Penney DP, et al. **Radiat Res** 1984 Aug;99(2):410–9

ULTRASTRUCTURE

Fine structure of the glomerular basement membrane and immunolocalization of five basement membrane components to the lamina densa (basal lamina) and its extensions in both glomeruli and tubules of the rat kidney. Laurie GW, et al. **Am J Anat** 1984 Apr;169(4):463–81
Formation of a supramolecular complex is involved in the reconstitution of basement membrane components. Kleinman HK, et al. **Biochemistry** 1983 Oct 11; 22(21):4969–74
Basement membrane maintenance in cultures of isolated thyroid follicles. Alquier C, et al. **Biol Cell** 1983;49(2):183–6
Morphological changes at the basement membrane during some tissue interactions in the integument. Hardy MH, et al. **Can J Biochem Cell Biol** 1983 Aug;61(8):957–66
Dual origin of glomerular basement membrane. Sariola H, et al. **Dev Biol** 1984 Jan;101(1):86–96
Localization of fibronectin, laminin–entactin, and entactin in Reichert's membrane by immunoelectron microscopy. Semoff S, et al. **EMBO J** 1982;1(10):1171–5
Basement membrane nephropathy: a new classification for Alport's syndrome and asymptomatic hematuria based on ultrastructural findings. Yum M, et al. **Hum Pathol** 1983 Nov;14(11):996–1003
Stages of neoplastic transformation of human breast tissue as monitored by dissolution of basement membrane components. An immunoperoxidase study. Siegal GP, et al. **Invasion Metastasis** 1981;1(1):54–70
Galactose-induced retinal capillary basement membrane thickening: prevention by Sorbinil. Frank RN, et al. **Invest Ophthalmol Vis Sci** 1983 Nov;24(11):1519–24
The meshwork structure of the dermoepidermal junction as revealed by tangentially cut sections in a case of pilar tumor of the scalp—has the junction many pores? Ono T, et al. **J Dermatol (Tokyo)** 1983 Dec;10(6):561–70
The ultrastructural localization of two basement membrane components: entactin and laminin in rat tissues. Martinez-Hernandez A, et al. **J Histochem Cytochem** 1984 Mar;32(3):289–98
Differences in basement membrane–associated microdomains of type I and type II pneumocytes in the rat and rabbit lung. Sannes PL. **J Histochem Cytochem** 1984 Aug; 32(8):827–33
Monoclonal antibody to type IV collagen with selective basement membrane localization. Scheinman JI, et al. **Lab Invest** 1984 Jan;50(1):101–12
The permeability of the basal lamina at the neuromuscular junction. An ultrastructural study of rat skeletal muscle using particulate tracers. Oldfors A, et al. **Neuropathol Appl Neurobiol** 1983 Nov-Dec;9(6):419–32
An ultrastructural review of collagen gels, a model system for cell–matrix, cell–basement membrane and cell–cell interactions. Allen TD, et al. **Scan Electron Microsc** 1984; (Pt 1):375–90
Removal of insect basal laminae using elastase. Levinson G, et al. **Tissue Cell** 1984;16(3):367–75
Distribution of collagen types I and III and basal lamina in human gastric carcinoma: an immunohistochemical and electron microscopic study. Yamamoto M, et al. **Virchows Arch [A]** 1984;403(4):313–22
[Concretions in renal basement membranes] Mágori A, et al. **Morphol Igazsagugyi Orv Sz** 1983 Jul;23(3):181–7 (Eng. Abstr.) **(Hun)**
[Structure and functions of basement membranes] Kajikawa K. **Nippon Rinsho** 1984 May;42(5):1047–51 **(Jpn)**

BASIC PANCREATIC TRYPSIN INHIBITOR see **KALLIKREIN–TRYPSIN INACTIVATOR**

BASIDIOMYCETES

Treatment of hereditary cerebellar ataxia with Ganoderma capense. Report of 4 cases. Wang ZY, et al. **J Tradit Chin Med** 1981 Sep;1(1):47–50

ANALYSIS

Isolation of tremerogens A–9291–I and A–9291–II, novel sex hormones of tremella brasiliensis. Ishibashi Y, et al. **Can J Biochem Cell Biol** 1983 Jul;61(7):796–801
Visualization of actin in situ by rhodamine–conjugated phalloin in the fungus Uromyces phaseoli. Hoch HC, et al. **Eur J Cell Biol** 1983 Nov;32(1):52–8
Polysaccharides in fungi. XIV. Anti–inflammatory effect of the polysaccharides from the fruit bodies of several fungi. Ukai S, et al. **J Pharmacobiodyn** 1983 Dec;6(12):983–90

CLASSIFICATION

On the taxonomy of the entomogenous fungus Filobasidiella arachnophila. Samson RA, et al. **Antonie Van Leeuwenhoek** 1983 Nov;49(4–5):447–56

ENZYMOLOGY

Protuberic acid–hydrolytic enzyme in Kobayasia nipponica and characterization of the hydrolytic products. Tsuchihashi H, et al. **J Biochem (Tokyo)** 1983 Oct; 94(4):1037–44
Purification and properties of nuclease gamma from Ustilago maydis. Yarnall M, et al. **J Biol Chem** 1984 Mar 10; 259(5):3026–32
Cyclic AMP–dependent protein kinase from Ustilago maydis. Kerner N, et al. **Mol Cell Biochem** 1984;60(2):115–22
[Proteolytic enzymes of Basidiomycetes: their application to structural analysis of proteins] Hashimoto Y. **Tanpakushitsu Kakusan Koso** 1983 Oct;28(11):1220–5 **(Jpn)**

GENETICS

Topological linkage of circular DNA molecules promoted by Ustilago rec 1 protein and topoisomerase. Kmiec EB, et al. **Cell** 1983 Oct;34(3):919–29
Highly conserved 5S ribosomal RNA sequences in four rust fungi and atypical 5S rRNA secondary structure in Microstroma juglandis. Gottschalk M, et al. **Nucleic Acids Res** 1984 May 11;12(9):3951–8
5S rRNA sequences from eight basidiomycetes and fungi imperfecti. Walker WF, et al. **Nucleic Acids Res** 1983 Nov 11;11(21):7625–30

ISOLATION & PURIFICATION

Prosthetic valve endocarditis caused by Trichosporon cutaneum. Thomas D, et al. **Int J Cardiol** 1984 Jan;5(1):83–7

METABOLISM

Aromatic ring cleavage of protocatechuic acid by the white–rot fungus Pleurotus ostreatus. Wojtaś-Wasilewska M, et al. **Acta Biochim Pol** 1983;30(3–4):291–302
Metabolism of dihydrouracil in Rhodosporidium toruloides. Davis CH, et al. **J Bacteriol** 1984 Apr;158(1):347–50
RNA polymerase activity in virions from Ustilago maydis. Ben-Tzvi BS, et al. **Mol Cell Biol** 1984 Jan;4(1):188–94

PATHOGENICITY

Pathogenicity of the basidiospores of Filobasidiella neoformans. Zimmer BL, et al. **Mycopathologia** 1984 Apr 15;85(3):149–53

PHYSIOLOGY

The organization of microtubules during anaphase and telophase spindle elongation in the rust fungus Puccinia. Tippit DH, et al. **Eur J Cell Biol** 1984 May;34(1):34–44
Mating pheromone–induced alteration of cell surface proteins in the heterobasidiomycetous yeast Tremella mesenterica. Miyakawa T, et al. **J Bacteriol** 1984 Jun;158(3):814–9
Effect of sudden fluctuations of temperature on sporulation of Puccinia graminis f.sp. tritici. Pillai PK, et al. **Mycopathologia** 1983 Nov 21;83(2):113–4

BASILAR ARTERY

Effect of induced hypertension on experimentally–induced cerebral arterial spasm. Shibata K. **Acta Med Okayama** 1984 Apr;38(2):135–46
Prostacyclin and thromboxane in cerebral vasospasm: effects of prostacyclin on experimentally–induced cerebral vasospasm. Yabuno N. **Acta Med Okayama** 1984 Apr; 38(2):147–58
Giant fusiform aneurysm of the basilar artery. Clinico–pathological report of 3 cases. Reznik M, et al. **Acta Neurol Belg** 1984 May-Jul;84(3):141–50
Prolonged maintenance of endocochlear potential by vascular perfusion with media devoid of oxygen carriers. Kobayashi T, et al. **Arch Otorhinolaryngol** 1984; 239(3):243–7
Vertebro–basilar arterial occlusion in childhood—report of a case and review of the literature. Echenne B, et al. **Brain Dev** 1983;5(6):577–81
Rupture of a giant basilar aneurysm after saphenous vein interposition graft to the posterior cerebral artery. Case report. Heros RC, et al. **J Neurosurg** 1984 Aug;61(2):387–90
Transient neurological deficits secondary to saccular vertebrobasilar aneurysms. Report of two cases. Steinberger A, et al. **J Neurosurg** 1984 Feb;60(2):410–3
Idiopathic basilary artery occlusion in childhood (case report). Jain S, et al. **Stroke** 1984 May-Jun;15(3):563–5
Vertebral–basilar posterior cerebral territory stroke—delineation by proton nuclear magnetic resonance imaging. Kistler JP, et al. **Stroke** 1984 May-Jun; 15(3):417–26
Delayed angiographic appearance of a large basilar aneurysm. Andreoli A, et al. **Surg Neurol** 1984 Oct; 22(4):377–81
Successful treatment of a basilar aneurysm presenting as a brainstem hemorrhage. Ono N, et al. **Surg Neurol** 1984 Oct; 22(4):365–70
Obstructive hydrocephalus caused by a growing, giant aneurysm on the upper basilar artery. Piek J, et al. **Surg Neurol** 1983 Oct;20(4):288–90
[Vertebral–basilar aneurysm] Huang S. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1983 Jun; 16(3):184–9 **(Chi)**
[Facial hemispasm leading to the detection of dolicho–ectasia of the basilar trunk] Bagot d'Arc M, et al. **Rev Laryngol Otol Rhinol (Bord)** 1984;105(1):53–5 (Eng. Abstr.) **(Fre)**
[Images of acute intracranial arterial occlusions obtained by CT scan] Gautier JC, et al. **Rev Neurol (Paris)** 1983; 139(12):759–61 (Eng. Abstr.) **(Fre)**
[Regional lysis of acute basilar artery occlusion—case report] Karnik R, et al. **Wien Klin Wochenschr** 1984 Jan 6; 96(1):26–30 (Eng. Abstr.) **(Ger)**
[Transitory protracted blindness in hemicrania as a result of vasospasm caused by vertebral angiography] Castorina G, et al. **Riv Neurol** 1984 May-Jun;54(3):169–78 (Eng. Abstr.) **(Ita)**
[Dissecting aneurysm of the vertebro–basilar artery. Case report] Yokoyama M, et al. **Neurol Med Chir (Tokyo)** 1984 May;24(5):343–8 (Eng. Abstr.) **(Jpn)**
[Sequential changes of vascular intimal ultrastructure in experimental cerebral vasospasm induced by oxyhemoglobin. Scanning electron microscopic study] Konda R, et al. **No To Shinkei** 1984 Mar;36(3):275–83 (Eng. Abstr.) **(Jpn)**
[Problems in the diagnosis of circulatory disorders in the vertebrobasilar system] Vereshchagin NV. **Klin Med (Mosk)** 1983 Sep;61(9):3–9 (11 ref.) (Eng. Abstr.) **(Rus)**

ABNORMALITIES

The symptomatology of megadolicho basilar artery. Herpers M, et al. **Clin Neurol Neurosurg** 1983;85(4):203–12
Clinical–angiographic correlations in 132 patients with megadolichovertebrobasilar anomaly. Resta M, et al. **Neuroradiology** 1984;26(3):213–6
[Ocular signs of a basilar mega–dolicho trunk] Larmande P, et al. **Bull Mem Soc Fr Ophtalmol** 1983;95:250–4 **(Fre)**
[Arteria megadolichobasilaris] Waberžinek G. **Acta Univ Palacki Olomuc Fac Med** 1980;94:107–55 **(Ger)**
[Primitive trigeminal artery in combination with megadolichocarotid] Schwarz E. **ROFO** 1983 Nov; 139(5):574–6 **(Ger)**
[Surgical experience in 49 cases of arteriovenous malformations of the vertebrobasilar system] Cigliano A, et al. **Riv Neurobiol** 1983 Apr-Sep;29(2–3):459–69 (Eng. Abstr.) **(Ita)**
[Megadolichobasilar: presentation as facial hemispasm (letter)] Campos E, et al. **Med Clin (Barc)** 1984 Feb 25; 82(7):332 **(Spa)**

DRUG EFFECTS

Effects of prostanoids on isolated feline cerebral arteries. II. Roles of extra– and intracellular calcium for the prostaglandin F2 alpha–induced contraction. Uski TK, et al. **Acta Physiol Scand** 1984 Feb;120(2):197–205
Effects of prostanoids on isolated feline cerebral arteries. I. Characterization of the contraction–mediating receptor. Uski TK, et al. **Acta Physiol Scand** 1984 Jan;120(1):131–6
Comparison of responses elicited by alpha–thrombin in isolated canine basilar, coronary, mesenteric, and renal arteries. White RP, et al. **Blood Vessels** 1984;21(1):12–22
Electromechanical coupling in feline basilar artery in response to serotonin. Harder DR, et al. **Eur J Pharmacol** 1983 Sep 16;93(1–2):95–100
Evidence for mediation by 5-HT2 receptors of 5–hydroxytryptamine–induced contraction of canine basilar artery. Müller-Schweinitzer E, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1983 Dec; 324(4):287–92
Kinin receptors and angiotensin converting enzyme in rabbits basilar arteries. Whalley ET, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1983 Dec; 324(4):296–301
The calcium antagonist properties of cyproheptadine: implications for antimigraine action. Peroutka SJ, et al. **Neurology (NY)** 1984 Mar;34(3):304–9
Electromechanical coupling in rat basilar artery in response to morphine. Waters A, et al. **Neurosurgery** 1983 Dec; 13(6):676–80
Hemolysate–induced contraction in smooth muscle cells of

the guinea pig basilar artery. Fujiwara S, et al. **Stroke** 1984 May–Jun;15(3):503–10
Responses of isolated canine basilar artery and human platelet to chlorpromazine and amitriptyline. Sukenaga A, et al. **Stroke** 1984 Mar–Apr;15(2):295–300

INJURIES

[The problem of supravital reaction, using as example basilar intracerebral arteries] Krauland W, et al. **Beitr Gerichtl Med** 1983;41:263–70 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Occlusion of the basilar artery. A clinical and pathological study of thirteen autopsied cases. Hashizume Y, et al. **Acta Pathol Jpn** 1984 Jan;34(1):29–40
Fibromuscular dysplasia of the basilar artery. Case report with autopsy verification. Hegedüs K, et al. **Arch Neurol** 1984 Apr;41(4):440–2
[Electron microscopy findings in the large cerebral arteries in death caused by hemorrhage] Krauland W, et al. **Beitr Gerichtl Med** 1984;42:57–63 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

2-[125Iodo]LSD, a new ligand for the characterisation and localisation of 5-HT2 receptors. Engel G, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Apr; 325(4):328–36

PHYSIOPATHOLOGY

Experimental cerebral vasospasm. Part 2. Contractility of spastic arterial wall. Nagasawa S, et al. **Stroke** 1983 Jul–Aug;14(4):579–84

RADIOGRAPHY

Giant basilar artery aneurysm presenting as a third ventricular tumor. Bose B, et al. **Neurosurgery** 1983 Dec; 13(6):699–702
Computed tomographic diagnosis of basilar artery ectasia. Mendelsohn DB, et al. **S Afr Med J** 1983 Nov 19; 64(22):867–9
[Study on the vertebro-basilar system in 'moyamoya' disease] Miyamoto S, et al. **No To Shinkei** 1984 May;36(5):491–9 (Eng. Abstr.) **(Jpn)**
[Basilar trunk obstruction: report of 3 cases] Pou-Serradel A, et al. **Arq Neuropsiquiatr** 1984 Jun;42(2):152–7 (Eng. Abstr.) **(Por)**

SURGERY

An approach to a basilar aneurysm above the bifurcation of the internal carotid artery. Case report. Kobayashi S, et al. **J Neurosurg** 1983 Dec;59(6):1082–4
Vertebrobasilar occlusion therapy of giant aneurysms. Significance of angiographic morphology of the posterior communicating arteries. Pelz DM, et al. **J Neurosurg** 1984 Mar;60(3):560–5

ULTRASTRUCTURE

Morphological changes of the basilar artery, ventricles, and choroid plexus after experimental SAH. Liszczak TM, et al. **J Neurosurg** 1984 Sep;61(3):486–93

BASILAR ARTERY INSUFFICIENCY see **VERTEBROBASILAR INSUFFICIENCY**

BASILAR BONE see **OCCIPITAL BONE**

BASILAR IMPRESSION see **PLATYBASIA**

BASILAR MEMBRANE see under **LABYRINTH**

BASOPHILIC VIRUSES see **CHLAMYDIACEAE**

BASOPHILS

Hyperbasophilia following heart valve xenograft implantation. Kovács GS, et al. **Acta Chir Hung** 1983; 24(4):261–77
Basophils in peripheral blood and bone marrow. A retrospective review. May ME, et al. **Am J Med** 1984 Mar; 76(3):509–11
Blood leukocyte response in hosts parasitized by the hematophagous arthropods Triatoma protracta and Lutzomyia longipalpis. Brown SJ, et al. **Am J Trop Med Hyg** 1984 May;33(3):499–505
Human mast cells and basophils—structure, function, pharmacology, and biochemistry. Schleimer RP, et al. **Clin Rev Allergy** 1983 Sep;1(3):327–41 (116 ref.)
Exercise and isocapnic hyperventilation-induced bronchoconstriction in asthma: relevance of circulating basophils to measurements of plasma histamine. Howarth PH, et al. **J Allergy Clin Immunol** 1984 Mar;73(3):391–9
Purification of human basophils by negative selection. Landry FJ, et al. **J Immunol Methods** 1983 Oct 28;63(3):329–36
Plasma histamine in asthmatic and control subjects following exercise: influence of circulating basophils and different assay techniques. Morgan DJ, et al. **Thorax** 1983 Oct; 38(10):771–7
[Basophils in allergic conjunctival disorders] Yuasa T, et al. **Nippon Ganka Gakkai Zasshi** 1983 Jul;87(7):464–7 (Eng. Abstr.) **(Jpn)**
[Diagnostic value of examining basophilic leukocytes in the peripheral blood in rheumatism and rheumatoid arthritis] Moshchich VP. **Vrach Delo** 1983 Sep;(9):32–4 (Eng. Abstr.) **(Rus)**

ANALYSIS

Biochemical and functional characterization of proteoglycans isolated from basophils of patients with chronic myelogenous leukemia. Metcalfe DD, et al. **J Immunol** 1984 Apr;132(4):1943–50

CYTOLOGY

Seasonal variations in pituitary LH-gonadotropes of the hibernating bat Myotis lucifugus lucifugus: an immunohistochemical study. Anthony EL, et al. **Am J Anat** 1984 May;170(1):101–15
Identification of pure and mixed basophil colonies in culture of human peripheral blood and marrow cells. Leary AG, et al. **Blood** 1984 Jul;64(1):78–83
Blind study of basophilic cells in nasal smears from patients with grass pollen hay fever. Wihl JA, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 2):383–6
Purification of human blood basophils by single step isopycnic banding on Percoll. Leonard EJ, et al. **J Leukocyte Biol** 1984 Feb;35(2):169–77
[Studies of basophilic cells in nasal allergy. Part VI. Relationship between basophil and mast cell] Ohtsuka H, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1984 Feb;87(2):141–8 (Eng. Abstr.) **(Jpn)**
[A method of basophil staining in leukocyte concentrate] Filiushina ZG. **Lab Delo** 1983;(7):62–3 **(Rus)**
[Origin of tissue basophils and basophilic granulocytes of the blood] Shpak SI, et al. **Tsitol Genet** 1983 Sep–Oct; 17(5):66–70 (28 ref.) (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Modulation of the effect of histamine-releasing lymphokine on human basophils. Ezeamuzie IC, et al. **Agents Actions** 1984 Apr;14(3–4):501–5
Deuterium-oxide-induced histamine release from basophils of allergic subjects. I. Responsiveness to deuterium oxide requires an activation step. Kazimierczak W, et al. **Am Rev Respir Dis** 1984 Apr;129(4):592–6
Inhibition of IgE-mediated histamine release from human basophils and mast cells by fenoterol. Marone G, et al. **Int Arch Allergy Appl Immunol** 1984;74(4):356–61
In vitro inhibition of histamine release from mouse mast cells and human basophils by an anthranilic acid derivative. Zampini P, et al. **Int J Immunopharmacol** 1983;5(5):431–5
The orally active antiallergic compound, LC-6 (trans-2,3b,4,5,7,8b,9,10-octahydronaphtho[1,2-c:5,6-C] dipyrazole) inhibits the arachidonate lipoxygenase enzyme. Magro AM, et al. **J Immunopharmacol** 1983;5(3):191–202
Administration of monosodium glutamate to neonatal male rats: alterations in the gonadotrophs and in gonadotrophin secretion. Dada MO, et al. **Neuroendocrinology** 1984 Jun; 38(6):490–7
Mast cells and basophils: models for studying the antianaphylactic potency of drugs. Wahn U, et al. **Pediatr Pharmacol (New York)** 1983;3(3–4):287–92
[Characteristics of the effect of ketotifen on the selective and non-selective histamine release from human basophils] Gushchin IS, et al. **Biull Eksp Biol Med** 1984 Jan;97(1):60–3 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Calcium stimulation of a novel 12-lipoxygenase from rat basophilic leukemia (RBL-1) cells. Hamasaki Y, et al. **Biochim Biophys Acta** 1984 May 11;793(3):393–8
Enzyme mediators of mast cells and basophils. Schwartz LB. **Clin Rev Allergy** 1983 Sep;1(3):397–416 (143 ref.)

IMMUNOLOGY

Type I allergy to normal cellular constituents in chronic inflammatory bowel disease? Results from basophil histamine release test compared with total IgE and antinuclear antibodies. Elmgreen J, et al. **Allergy** 1984 Jan; 39(1):23–8
IgE-mediated histamine release from whole blood in atopic asthmatics. Tanizaki Y, et al. **Arerugi** 1983 Nov; 32(11):1079–83
Basophil and eosinophil deficiency in a patient with hypogammaglobulinemia associated with thymoma. Mitchell EB, et al. **Birth Defects** 1983;19(3):331
Plasma of normal, but not atopic persons reducing basophil degranulation induced by anti-IgE. Miadonna A, et al. **Clin Allergy** 1984 Jan;14(1):29–35
Effector cell heterogeneity in immediate hypersensitivity reactions. Metcalfe DD. **Clin Rev Allergy** 1983 Sep; 1(3):311–25 (65 ref.)
Membrane receptors for the IgG4 subclass on human basophils and mast cells. Nakagawa T, et al. **Clin Rev Allergy** 1983 Jun;1(2):197–206
Cutaneous basophil hypersensitivity in the guinea pig conjunctiva. Stock EL, et al. **Curr Eye Res** 1982–83; 2(12):887–8
Anti-immunoglobulin induced histamine release from naturally abundant basophils in the snapping turtle, Chelydra serpentina. Sypek JP, et al. **Dev Comp Immunol** 1984 Spring;8(2):359–66
A rapid basophil histamine release method. Stahl Skov P, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 2):387–90
Ixodes holocyclus: kinetics of cutaneous basophil responses in naive, and actively and passively sensitized guinea pigs. Brown SJ, et al. **Exp Parasitol** 1984 Feb;57(1):40–7
Non-IgG1 nature of cutaneous basophil hypersensitivity factor in contact sensitivity. II. Demonstration of antigen-dependent basophil chemotactic activity of cutaneous basophil hypersensitivity factor. Katayama I, et al. **Int Arch Allergy Appl Immunol** 1984;73(4):289–95
Small oligomers of immunoglobulin E (IgE) cause large-scale clustering of IgE receptors on the surface of rat basophilic leukemia cells. Menon AK, et al. **J Cell Biol** 1984 Feb; 98(2):577–83
Stimulation of histamine release from human basophils by human platelet factor 4. Brindley LL, et al. **J Clin Invest** 1983 Oct;72(4):1218–23
Histamine-containing cells in human peritoneal fluid. Fox CC, et al. **J Immunol** 1984 May;132(5):2177–9
IgE antibody-mediated cutaneous basophil hypersensitivity reactions in guinea pigs. Graziano FM, et al. **J Immunol** 1983 Dec;131(6):2675–81
An antigen-activated DFP-inhibitable enzyme controls basophil desensitization. Kazimierczak W, et al. **J Immunol** 1984 Jan;132(1):399–405
The mechanism of basophil histamine release induced by pepstatin A. Marone G, et al. **J Immunol** 1984 Sep; 133(3):1542–6
Stimulation of basophil and rat mast cell histamine release by eosinophil granule-derived cationic proteins. Zheutlin LM, et al. **J Immunol** 1984 Oct;133(4):2180–5
A microtiter plate assay using cellulose acetate filters for measuring cellular [3H]serotonin release. Baird B, et al. **J Immunol Methods** 1983 Nov 25;64(3):365–75
Isolation of guinea pig basophils using anti-leukocyte antibody and density gradient centrifugation on Percoll. Graziano FM, et al. **J Immunol Methods** 1984 Feb 24; 67(1):157–65
Studies with purified human basophils and mast cells. Lichtenstein LM, et al. **Monogr Allergy** 1983;18:259–64 (12 ref.)
Histamine release from human basophils in vitro: effects of age of cell donor. Marone G, et al. **Monogr Allergy** 1983; 18:139–43 (12 ref.)
Eosinophilia in hemodialysis: implication of the IgE-basophil system [letter] Perez-Garcia R, et al. **Nephron** 1983; 35(4):271–2
Receptors for IgE on mast cells and basophils. Froese A. **Prog Allergy** 1984;34:142–87 (125 ref.)
Basophils and mast cells: morphologic insights into their biology, secretory patterns, and function. Galli SJ, et al. **Prog Allergy** 1984;34:1–141 (418 ref.)
Granulocyte-specific antigens and methods for their detection. Engelfriet CP, et al. **Prog Clin Biol Res** 1984; 149:121–54
[Correlation between serum IgE level and human basophil degranulation by anti-IgE antibodies] Chabane MH, et al. **Ann Immunol (Paris)** 1983 May–Jun;134C(3):355–64 (Eng. Abstr.) **(Fre)**
[Frequent positivity of the human basophil degranulation test in idiopathic nephrotic syndromes (minimal glomerular changes and segmental and focal glomerulosclerosis)] Laurent J, et al. **Nephrologie** 1984;5(1):9–14 (Eng. Abstr.) **(Fre)**
[Diagnostic value of the human basophil degranulation test in anguilluliasis (letter)] Deluol AM, et al. **Presse Med** 1984 Jun 16;13(25):1574 **(Fre)**
[Induction of 'cutaneous basophil hypersensitivity' in the conjunctiva of the guinea pig] Sommer G, et al. **Fortschr Ophthalmol** 1983;80(3):215–7 (Eng. Abstr.) **(Ger)**
[Changes in basophil reactivity during immunotherapy with house dust] Komagoe H, et al. **Arerugi** 1984 Mar; 33(3):131–4 (Eng. Abstr.) **(Jpn)**
[Experimental study on cell desensitization. 2. The mechanism of cell desensitization: a theory of enhanced cell membrane fluidity] Minagawa K. **Arerugi** 1983 Sep; 32(9):947–59 (Eng. Abstr.) **(Jpn)**
[The direct basophil test with actinolysate in the diagnosis of maxillofacial actinomycosis] Ado VA, et al. **Lab Delo** 1984;(6):341–3 (Eng. Abstr.) **(Rus)**
[The basophil degranulation reaction as a method for detecting allergy and autoallergy to common chemical compounds] Vinogradov GI, et al. **Lab Delo** 1984; (6):339–41 (Eng. Abstr.) **(Rus)**

METABOLISM

Anti-IgE- and ConA-induced histamine release from human basophilic leukocytes: the existence of differences in relative responses within individuals. Bergstrand H, et al. **Agents Actions** 1984 Jun;14(5–6):602–5
Inhibitory effect of glucocorticosteroids on anti-IgE-induced histamine release from human basophilic leukocytes: evidence for a dual mechanism of action. Bergstrand H, et al. **Allergy** 1984 Apr;39(3):217–30
Interaction between hyperosmolar and IgE-mediated histamine release from basophils and mast cells. Eggleston PA, et al. **Am Rev Respir Dis** 1984 Jul;130(1):86–91
RHC 3288 [1-methyl-2(1,3,4-oxadiazol-2(3H)-one-5-yl) benzimidazole] and related compounds. Novel inhibitors of histamine release from rat mast cells and human

basophils. Khandwala A, et al. **Biochem Pharmacol** 1983 Nov 15;32(22):3325–33

Histamine release from leucocytes during migraine attack. Selmaj K. **Cephalalgia** 1984 Jun;4(2):97–100

Histamine-releasing activity (HRA). III. HRA induces human basophil histamine release by provoking noncytotoxic granule exocytosis. Dvorak AM, et al. **Clin Immunol Immunopathol** 1984 Aug;32(2):142–50

Isolation of a basophilic membrane protein binding the anti-allergic drug cromolyn. Mazurek N, et al. **EMBO J** 1982;1(5):585–90

Transmethylation reactions in human basophils induced by anti-IgE or specific antigen. Garcia R, et al. **Int Arch Allergy Appl Immunol** 1984;73(3):237–41

Platelet augmentation of IgE-dependent histamine release from human basophils and mast cells. Knauer KA, et al. **Int Arch Allergy Appl Immunol** 1984;74(1):29–35

Effect of cholera enterotoxin on calcium uptake and cyclic AMP accumulation in rat basophilic leukemia cells. Knoop FC, et al. **Int J Biochem** 1984;16(3):275–80

In vitro basophil histamine release induced by mannitol in a patient with a mannitol-induced anaphylactoid reaction. Findlay SR, et al. **J Allergy Clin Immunol** 1984 May;73(5 Pt 1):578–83

Auranofin, an oral chrysotherapeutic agent, inhibits histamine release from human basophils. Takaishi T, et al. **J Allergy Clin Immunol** 1984 Sep;74(3 Pt 1):296–301

The calcium signal and phosphatidylinositol breakdown in 2H3 cells. Beaven MA, et al. **J Biol Chem** 1984 Jun 10; 259(11):7137–42

The mechanism of the calcium signal and correlation with histamine release in 2H3 cells. Beaven MA, et al. **J Biol Chem** 1984 Jun 10;259(11):7129–36

Dissociation of IgE from receptors on human basophils. I. Enhanced passive sensitization for histamine release. Pruzansky JJ, et al. **J Immunol** 1983 Oct;131(4):1949–53

Effect of prostaglandin D2 in modulating histamine release from human basophils. Peters SP, et al. **J Pharmacol Exp Ther** 1984 Feb;228(2):400–6

[Application of the test on basophil histamine release (HRBT) in the etiologic diagnosis of allergic asthma] Yin KS. **Chung Hua I Hsueh Tsa Chih** 1983 Sep;63(9):549–52 (Eng. Abstr.) **(Chi)**

[Histamine level of basophils in children with pollinosis treated with pollinex] Fal w, et al. **Pediatr Pol** 1984 Mar; 59(3):231–7 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Basophils in human disease. Mitchell EB, et al. **Clin Rev Allergy** 1983 Sep;1(3):427–48 (151 ref.)

Basophils in incontinentia pigmenti. Schmalstieg FC, et al. **J Am Acad Dermatol** 1984 Feb;10(2 Pt 2):362–4

Improved techniques using Giemsa stained glycol methacrylate tissue sections to quantitate basophils and other leukocytes in inflammatory skin lesions. Vogt RF Jr, et al. **Stain Technol** 1983 Jul;58(4):193–205

[Acute basophilic leukemia in a 75-year-old man. A clinical and cytological study with a review of the literature] Todorov D, et al. **Vutr Boles** 1984;23(1):103–9 (35 ref.) (Eng. Abstr.) **(Bul)**

[Surface basophilic cells in laryngectomized patients] Sakaguchi K, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1983 Nov;86(11):1365–9 (Eng. Abstr.) **(Jpn)**

[Basophil characteristics in infectious allergic myocarditis] Ostrun IuZ, et al. **Sov Med** 1984;(1):14–7 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Role of phospholipase A2 activation in histamine release from human basophils. Morita Y, et al. **Allergy** 1983 Aug; 38(6):413–8

Equilibrium theory for the clustering of bivalent cell surface receptors by trivalent ligands. Application to histamine release from basophils. Goldstein B, et al. **Biophys J** 1984 Jun;45(6):1109–23

Resolution of cellular compartments involved in membrane potential changes accompanying IgE-mediated degranulation of rat basophilic leukemia cells. Sagi-Eisenberg R, et al. **EMBO J** 1984 Mar;3(3):497–500

Porcine ovarian inhibin preparations sensitize cultured ovine gonadotrophs to luteinizing hormone-releasing hormone. Huang ES, et al. **Endocrinology** 1984 Aug;115(2):513–9

Distinct mechanisms may account for the growth-promoting activity of interleukin 3 on cells of lymphoid and myeloid origin. Palacios R, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(4):1208–11

SECRETION

Characteristics of basophil histamine release by neuromuscular blocking drugs in patients with anaphylactoid reactions. Assem ES. **Agents Actions** 1984 Apr;14(3–4):435–40

Purified human basophils and mast cells: current concepts of mediator release. Schulman ES, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 1):53–61

[Histamine in the basophils in various upper respiratory diseases of allergic etiology] Fal W, et al. **Otolaryngol Pol** 1983;37(1):1–6 (Eng. Abstr.) **(Pol)**

[IgG-mediated liberation of histamine from the human basophils] Gushchin IS, et al. **Patol Fiziol Eksp Ter** 1983 Jul–Aug;(4):18–22 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Effects of neonatal ovariectomy on the ultrastructure of gonadotrophs in female rats. Shiino M, et al. **Acta Anat (Basel)** 1983;117(3):281–8

Ornithodorus tartakovskyi: quantitation and ultrastructure of cutaneous basophil responses in the guinea pig. McLaren DJ, et al. **Exp Parasitol** 1983 Oct;56(2):153–68

Ultrastructure of the mouse blood basophil. Hurtado I, et al. **J Submicrosc Cytol** 1983 Oct;15(4):1041–8

[Studies on basophil precursors. 3. Murine mast cell colony-forming cells] Nakamura H, et al. **Arerugi** 1984 May;33(5):282–9 (Eng. Abstr.) **(Jpn)**

[Morphological heterogeneity of nasal basophilic cells in nasal allergy] Okuda M, et al. **Arerugi** 1984 May; 33(5):259–63 (Eng. Abstr.) **(Jpn)**

[Antigen-induced morphological changes of basophils from atopic asthmatics observed by phase-contrast microscopy] Tanizaki Y, et al. **Arerugi** 1984 May;33(5):269–74 (Eng. Abstr.) **(Jpn)**

[Morphological evaluation of the basiphils and its diagnostic significance] Takahashi K. **Rinsho Byori** 1983 Jun; 31(6):567–76 **(Jpn)**

BASSEN-KORNZWEIG SYNDROME see **ABETALIPOPROTEINEMIA**

BATHING BEACHES

Isolation of the Shigella genus bacteria from the beach sand and water of the bay of Gdańsk. Dąbrowski J. **Bull Inst Marit Trop Med Gdynia** 1982;33(1–2):49–53

Otitis externa infections related to Pseudomonas aeruginosa levels in five Ontario lakes. Seyfried PL, et al. **Can J Public Health** 1984 Jan–Feb;75(1):83–91

Enterobacteriaceae and other gram negative bacteria in the water of lakes used as open air baths around the city of Bratislava. Krčméry V Jr. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Apr; 177(3–4):334–41

Relationship between the occurrence of coliphages and E. coli in Danish marine bathing areas. Søgaard H. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Jun; 177(5):394–401

[Study of yeast flora of medical interest on the beach of Saint Anne in Guadeloupe] Boiron P, et al. **Bull Soc Pathol Exot Filiales** 1983 Aug–Oct;76(4):351–6 (Eng. Abstr.) **(Fre)**

[Detection of enteroviruses in seawater and beach sand] Nestor I, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1984 Jan;178(5–6):527–34 (Eng. Abstr.) **(Fre)**

[The application of the European Community's guidelines for bathing beaches] Walter-Matsui R. **Off Gesundheitswes** 1983 Aug;45(8):413–6 **(Ger)**

[Bioclimatic characteristics of the atmosphere of the therapeutic beaches in Eupatoria] Shchetilin AP, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Mar–Apr; (2):57–8 **(Rus)**

[Resistance to antibiotics in bacteria in the Enterobacteriaceae family isolated from Bratislava's natural bathing beaches] Krčméry V, et al. **Bratisl Lek Listy** 1983 Nov;80(5):587–93 (Eng. Abstr.) **(Slo)**

STANDARDS

Aquatic and clinical staphylococcal characterization and associated antibiotic, heavy metal, and chlorine sensitivities. Brown NE, et al. **Can J Public Health** 1984 Jan–Feb; 75(1):32–42

Bacterial indicators of recreational water quality. Dufour AP. **Can J Public Health** 1984 Jan–Feb;75(1):49–56

Viruses and bathing beach quality. Payment P. **Can J Public Health** 1984 Jan–Feb;75(1):43–8

Pollution indicators and potential pathogenic microorganisms in estuarine recreational waters. Robertson WJ. **Can J Public Health** 1984 Jan–Feb;75(1):19–24

Impact of sewage treatment plants on surface waters. Seyfried PL, et al. **Can J Public Health** 1984 Jan–Feb; 75(1):25–31

[Study of the sanitary-microbiological self-purification processes of a recreational sea zone using mathematical modelling] Korchak GI, et al. **Gig Sanit** 1983 Dec; (12):18–21 (Eng. Abstr.) **(Rus)**

BATHS

Effect of hydromassage on changes in blood electrolyte and lactic acid levels and haematocrit value after maximal effort. Tomasik M. **Acta Physiol Pol** 1983 Mar–Apr; 34(2):257–61

Effect of occupational therapy intervention on bathing independence of disabled persons. Shillam LL, et al. **Am J Occup Ther** 1983 Nov;37(11):744–8

Pathogenic hazards and public spa and hot tub facilities. Crandall RA, et al. **Can J Public Health** 1984 May–Jun; 75(3):223–6

Whole body disinfection with chlorhexidine: is shower bathing more effective than bathing? Mitchell NJ. **J Hosp Infect** 1984 Mar;5(1):96–9

Hygiene for the newborn—to bath or to wash? Hylén AM, et al. **J Hyg (Lond)** 1983 Dec;91(3):529–34

Bathtub-related electrocutions in the United States, 1979 to 1982. Budnick LD. **JAMA** 1984 Aug 17;252(7):918–20

Survival of herpes simplex virus in water specimens collected from hot tubs in spa facilities and on plastic surfaces. Nerurkar LS, et al. **JAMA** 1983 Dec 9;250(22):3081–3

Effect of hyperthermia induced by hot bath in multiple sclerosis. Cemalović-Boko Z, et al. **Neurologija** 1981; 29(1–4):33–41

Seawater and fresh water for treating first and second degree burns [letter] Fösel S, et al. **Trop Doct** 1984 Jul;14(3):113–4

Direct demonstration and isolation of Legionella pneumophila (serogroup 1) from bathroom water specimens in a hotel. Sethi KK, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Jun; 177(5):402–5

[Follow-up of the changes in sexual disorders in men suffering from neuroses treated with Kremŭchna Bania mineral waters at Velingrad health resort] Stancheva N. **Akush Ginekol (Sofiia)** 1984;23(2):177–9 (Eng. Abstr.) **(Bul)**

[A method for determining percutaneous CO2 resorption from carbon dioxide mineral water baths using natural isotope variations] Maass I, et al. **Z Med Lab Diagn** 1983; 24(6):349–55 (Eng. Abstr.) **(Ger)**

[DNA metabolism in lymphocytes of experimental subjects during thermotherapy (sauna, Turkish bath)] Günther R, et al. **Z Rheumatol** 1983 Nov–Dec;42(6):343–5 (Eng. Abstr.) **(Ger)**

[Objective evaluation of the therapeutic effect of saline baths in patients with rheumatoid arthritis treated at the Goczalkowice Zdrój health resort] Jonderko G, et al. **Reumatologia** 1982;20(3–4):201–7 (Eng. Abstr.) **(Pol)**

[Effect on rheumatoid arthritis patients in the older age groups of the combined action of sodium chloride baths, medical gymnastics, massage and antirheumatic drugs] Markarov GS. **Ter Arkh** 1984;56(2):132–4 (Eng. Abstr.) **(Rus)**

[Effect of saline procedures on the functional indicators of the skin in patients with psoriasis, eczema and neurodermatitis] Miliavskiĭ AI, et al. **Vestn Dermatol Venerol** 1983 Oct;(10):44–7 (Eng. Abstr.) **(Rus)**

[Effect of Arzni carbonate mineral baths on oxidative-reductive processes in the myocardium in focal metabolic damage (an experimental study)] Aladzhian AM, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 May–Jun; (3):7–10 (Eng. Abstr.) **(Rus)**

[A bathtub for conducting experimental procedures using gas-emitting water] Andreev SV, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 May–Jun; (3):72–3 **(Rus)**

[Effect of combined treatment including Arzni carbonate mineral baths on the glycolipid level of the blood of ischemic heart disease patients] Asatrian AB, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 May–Jun; (3):46–7 **(Rus)**

[Treatment of women with climacteric syndrome at the Belokurikha health resort] Kheifets SN, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 May–Jun; (3):44–7 (Eng. Abstr.) **(Rus)**

[Early sanatorium rehabilitation including local carbonate baths of patients who have had myocardial infarct with an uncomplicated disease course] Meleshchenko AA, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 May–Jun; (3):50–1 **(Rus)**

[Effect of radon waters on the course of experimental myocardial infarct] Samotelkin MA, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Jan–Feb; (1):18–21 (Eng. Abstr.) **(Rus)**

[Effectiveness of magnetophorotherapy and oxygen baths in patients with hypertension in the Vorzel' health resort] Lavrinets VI, et al. **Vrach Delo** 1984 Jun;(6):28–30 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Whirlpool spa-associated infections: are we really in hot water? [editorial] Favero MS. **Am J Public Health** 1984 Jul;74(7):653–5

National survey on outbreaks associated with whirlpool spas. Spitalny KC, et al. **Am J Public Health** 1984 Jul;74(7):725–6

Acanthamoeba keratitis possibly acquired from a hot tub. Samples JR, et al. **Arch Ophthalmol** 1984 May; 102(5):707–10

Hot tub hygiene [editorial] Rinke CM. **JAMA** 1983 Oct 21; 250(15):2031

Pseudomonas pneumonia associated with use of a home whirlpool spa. Rose HD, et al. **JAMA** 1983 Oct 21; 250(15):2027–9

Whirlpool-associated Pseudomonas aeruginosa urinary tract infections. Salmen P, et al. **JAMA** 1983 Oct 21; 250(15):2025–6

[Avoid water in the neonate's eyes. Practical realization and experiences after 1 1/2 years' cessation of Credé lapis prophylaxis] Pande H. **Tidsskr Nor Laegeforen** 1984 May 30;104(15):1065–7 (Eng. Abstr.) **(Nor)**

METHODS

A comparison of pre-operative bathing with chlorhexidine-detergent and non-medicated soap in the prevention of wound infection. Ayliffe GA, et al. **J Hosp Infect** 1983 Sep;4(3):237–44

Total body bathing with 'Hibiscrub' (chlorhexidine) in surgical patients: a controlled trial. Leigh DA, et al. **J Hosp Infect** 1983 Sep;4(3):229–35

[Showering of slaughtering pigs. I. A prospective study of the preference of slaughtering pigs for showering after transport and its consequences for meat quality] van Putten G, et al. **Tijdschr Diergeneeskd** 1983 Sep 1;108(17):645–52 (Eng. Abstr.) (Dut)

[Rosemary oil bath additive. Proof of effectiveness] Rulffs W. **MMW** 1984 Feb 24;126(8):207–8 (Ger)

[Use of radon waters in treating endometriosis patients] Baskakov VP, et al.
Vopr Kurortol Fizioter Lech Fiz Kult 1983 May–Jun; (3):38–40 (Rus)

[Effect of radon vapor baths on the indices of kidney function in hypertension patients] Gusarov II, et al.
Vopr Kurortol Fizioter Lech Fiz Kult 1983 May–Jun; (3):53–4 (Rus)

VETERINARY

Behavior of amitraz in cattle dipping baths. McDougall KW, et al. **Aust Vet J** 1984 May;61(5):137–40

BATHS, FINNISH

The effect of a single sauna exposure on spermatozoa. Brown-Woodman PD, et al. **Arch Androl** 1984;12(1):9–15

Electrocardiographic changes due to sauna bathing. Influence of acute reduction in circulating blood volume on body surface potentials with special reference to the Brody effect. Ishikawa K, et al. **Br Heart J** 1983 Nov; 50(5):469–75

TSH response to 30 min stay in sauna in the morning and during evening hours. Tatár P, et al.
Exp Clin Endocrinol 1984 May;83(3):358–60

[Experience with sauna therapy in children] Mikolášek M. **Cesk Pediatr** 1983 Nov;38(11):687–8 (Cze)

[Effect of sauna baths on respiratory function in children with asthma syndrome] Menger W, et al.
Prax Klin Pneumol 1983 Aug;37(8):304–7 (Eng. Abstr.) (Ger)

[Are swimming and sauna hazardous in the rehabilitation of heart patients?] Hoffmann A, et al.
Schweiz Med Wochenschr 1983 Jul 30;113(30):1054–7 (Eng. Abstr.) (Ger)

[Use of hydrogen peroxide in the disinfection of water in sauna dipping pools] Jessen HJ. **Z Gesamte Hyg** 1984 Feb; 30(2):111–4 (Eng. Abstr.) (Ger)

[Effect of sauna and walking series on blood pressure, peripheral microcirculation and performance behavior in essential hypertension] Winterfeld HJ, et al.
Z Gesamte Inn Med 1983 Sep 15;38(18):494–7 (Eng. Abstr.) (Ger)

[DNA metabolism in lymphocytes of experimental subjects during thermotherapy (sauna, Turkish bath)] Günther R, et al. **Z Rheumatol** 1983 Nov–Dec;42(6):343–5 (Eng. Abstr.) (Ger)

[Contrast thermal effects in a sauna as a means of increasing human orthostatic resistance] Sobolevskii VI.
Kosm Biol Aviakosm Med 1983 Jul–Aug;17(4):19–21 (Eng. Abstr.) (Rus)

[Cardiovascular effects of the stimulation of surface and central thermoreceptors in a sauna] Kuz'menko VA.
Vopr Kurortol Fizioter Lech Fiz Kult 1984 Jan–Feb;(1):46–8 (Rus)

[Saunas as a means of increasing resistance to cold] Lazarenko PV, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 Nov–Dec;(6):56 (Rus)

[Dynamics of blood coagulation indices during a sauna in healthy persons and in arterial hypertension patients] Sobolevskii VI, et al.
Vopr Kurortol Fizioter Lech Fiz Kult 1983 May–Jun; (3):54–6 (Rus)

[Pathogenetic basis of a regimen of therapeutic hyperthermia in a sauna for chronic bronchitis patients] Trubnikov GV, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Jan–Feb; (1):56–7 (Rus)

[An attempt to balance the water and electrolyte equilibrium in a sauna] Strec V, et al. **Cas Lek Cesk** 1984 May 11; 123(19):572–7 (Eng. Abstr.) (Slo)

[The cold test and repeated saunas in patients with essential hypertension] Bulas J, et al. **Fysiatr Reumatol Vestn** 1983 Aug;61(4):210–3 (Eng. Abstr.) (Slo)

[Holter monitoring of the electrocardiogram during a sauna] Dukát A, et al. **Fysiatr Reumatol Vestn** 1983 Aug; 61(4):202–9 (Eng. Abstr.) (Slo)

[The effect of saunas on the physical activity of patients with ankylosing spondylitis at the beginning and end of spa therapy] Matej M, et al. **Fysiatr Reumatol Vestn** 1983 Aug; 61(4):214–25 (Eng. Abstr.) (Slo)

ADVERSE EFFECTS

[The role of mycologic flora in Turkish baths and its effect on asthmatics] Zirout A, et al. **Bull Int Union Tuberc** 1983 Jun;58(2):122–6 (Fre)

[Psoriasis patients in the sauna] Ständer M, et al.
Hautarzt 1983 Oct;34(10):512–4 (Eng. Abstr.) (Ger)

BATHS, SAND see **AMMOTHERAPY**

BATRACHOTOXINS

METABOLISM

Fluorescence resonance energy transfer on the voltage-dependent sodium channel. Spatial relationship and site coupling between the batrachotoxin and Leiurus quinquestriatus quinquestriatus alpha-scorpion toxin receptors. Angelides KJ, et al. **J Biol Chem** 1984 May 25; 259(10):6117–26

Inhibition of binding of [3H]batrachotoxinin A 20-alpha-benzoate to sodium channels by local anesthetics. Postma SW, et al. **Mol Pharmacol** 1984 Mar;25(2):219–27

PHARMACODYNAMICS

Consequences of axonal transport blockade by batrachotoxin on mammalian neuromuscular junction. III. An ultrastructural study. Hudson CS, et al. **Brain Res** 1984 Apr 2;296(2):319–32

Batrachotoxin induced axonal necrosis followed by regeneration. Moore GR, et al. **Brain Res** 1983 Nov 21; 279(1–2):246–9

A hypothesis for the mechanism of sodium channel opening by batrachotoxin and related toxins. Kosower EM.
FEBS Lett 1983 Nov 14;163(2):161–4 (30 ref.)

Batrachotoxin decreases the sensitivity of sodium channels to the blocking action of phenobarbital. Khodorov BI, et al. **Gen Physiol Biophys** 1984 Feb;3(1):85–7

Current-dependent inactivation induced by sodium depletion in normal and batrachotoxin-treated frog node of Ranvier. Dubois JM, et al. **J Gen Physiol** 1984 Jul;84(1):25–48

[Selectivity and sensitivity to blocking by hydrogen ions of batrachotoxin-modified sodium channels in nerve fiber membranes] Mozhaeva GN, et al. **Neirofiziologiia** 1983; 15(6):571–9 (Eng. Abstr.) (Rus)

[Activation and inactivation of batrachotoxin-modified sodium channels of nerve fiber membranes in the frog] Mozhaeva GN, et al. **Neirofiziologiia** 1984;16(1):18–26 (Eng. Abstr.) (Rus)

[Ion currents through batrachotoxin-modified sodium channels of node of Ranvier membranes at high positive and negative potentials] Mozhaeva GN, et al.
Neirofiziologiia 1983;15(5):495–503 (Eng. Abstr.) (Rus)

[Potential-dependent changes in the ionic selectivity of batrachotoxin-modified sodium channels of a frog nerve fiber] Mozhaeva GN, et al. **Neirofiziologiia** 1983; 15(5):485–94 (Eng. Abstr.) (Rus)

[Action of batrachotoxin on the membrane sodium channels of neuroblastoma cells] Zubov AN, et al. **Tsitologiia** 1984 Apr;26(4):415–23 (Eng. Abstr.) (Rus)

TOXICITY

Gating kinetics of batrachotoxin-modified sodium channels in neuroblastoma cells determined from single-channel measurements. Huang LY, et al. **Biophys J** 1984 Jan; 45(1):313–22

BATS see **CHIROPTERA**

BATTEN-SPIELMEYER-VOGT DISEASE see **NEURONAL CEROID-LIPOFUSCINOSIS**

BATTERED CHILD SYNDROME see under **CHILD ABUSE**

BAYES THEOREM see under **PROBABILITY**

BCG see **MYCOBACTERIUM BOVIS**

BCG VACCINE

Serology of tuberculosis and BCG vaccination.
Adv Tuberc Res 1984;21:1–251

BCG vaccination against tuberculosis [letter] Rosenthal SR.
Am Rev Respir Dis 1983 Oct;128(4):776

Tuberculin response two years after BCG vaccination at birth. Grindulis H, et al. **Arch Dis Child** 1984 Jul; 59(7):614–9

PHLS inquiry into current BCG vaccination policy [letter] Miller CL, et al. **Br Med J [Clin Res]** 1984 Feb 18; 288(6416):564

The 'improbable' hanseniasis vaccination [editorial] Rotberg A. **Hansenol Int** 1982 Dec;7(2):69–72 (Eng, Por)

Infection with Mycobacterium kansasii and efficacy of vaccination against tuberculosis. Orme IM, et al.
Immunology 1983 Dec;50(4):581–6

IgE in leprosy; effect of a Mycobacterium leprae-BCG vaccine. Lynch NR, et al. **Int J Lepr** 1983 Jun;51(2):169–73

The BCG controversy [letter] Pust RE. **JAMA** 1983 Dec 2;250(21):2928–9

Cold abscess after accidental BCG inoculation [letter] Warren JP, et al. **Lancet** 1984 Aug 4;2(8397):289

The use of a sonicate preparation of Mycobacterium tuberculosis (new tuberculin) in the assessment of BCG vaccination. Stanford JL, et al. **Tubercle** 1983 Dec; 64(4):275–82

[BCG vaccination] Kreukniet J. **Ned Tijdschr Geneeskd** 1984 Jun 9;128(23):1104–5 (Dut)

[Is there still room for BCG vaccination in tuberculosis control?] Styblo K. **Ned Tijdschr Geneeskd** 1984 Jun 9; 128(23):1098–101 (Dut)

[Effect of diffuse light and heat on 8 BCG vaccines prepared from 4 different strains] Gheorghiu M, et al.
Ann Microbiol (Paris) 1984 Mar–Apr;135(2):263–70 (Eng. Abstr.) (Fre)

[BCG and the current campaign against tuberculosis in tropical countries] Guignard J, et al.
Bull Soc Pathol Exot Filiales 1983 May–Jun;76(3):231–5 (Fre)

[BCG and leprosy] Lagrange PH.
Bull Soc Pathol Exot Filiales 1983 May–Jun;76(3):236–42 (20 ref.) (Fre)

[BCG vaccination as a diagnostic test for tuberculosis] Karam-Bechara J, et al. **Bol Med Hosp Infant Mex** 1983 Mar;40(3):171–4 (Spa)

ADMINISTRATION & DOSAGE

Research on BCG vaccination. ten Dam HG.
Adv Tuberc Res 1984;21:79–106

Appropriate technology: child health [letter] Tudor-Williams G. **Br Med J [Clin Res]** 1984 Aug 18;289(6442):438–9

Delayed cutaneous hypersensitivity to autologous tumor cells in colorectal cancer patients immunized with an autologous tumor cell: Bacillus Calmette-Guérin vaccine. Hoover HC Jr, et al. **Cancer Res** 1984 Apr;44(4):1671–6

Incorrect dosage of BCG vaccine in medical literature.
FDA Drug Bull 1983 Aug;13(2):18

The effect of dosage and treatment scheme on results from treatment of lung cancer with BCG and F70. Hadjiev S, et al. **Folia Med (Plovdiv)** 1983;25(4):8–15

Immune responses to a hapten-carrier conjugate in splenectomized and BCG-treated guinea pigs. Neveu PJ.
Int Arch Allergy Appl Immunol 1984;73(2):104–7

Effect of intratesticular administration of BCG on testicular function (preliminary report). Frick J, et al.
Int Urol Nephrol 1983;15(1):71–81

The immunologic and immunotherapeutic sequelae of intraperitoneal BCG. I: The local nature of immunostimulation and the effects of delayed-type hypersensitivity. Roche WR, et al. **Ir J Med Sci** 1983 Aug; 152(8):303–6

Re: Experience with bacillus Calmette-Guerin in patients with superficial bladder carcinoma [letter] Crispen RG.
J Urol 1984 Mar;131(3):558

Long term protection in bladder cancer following intralesional immunotherapy. Reichert DF, et al. **J Urol** 1984 Sep;132(3):570–3

Enhanced host resistance to transplantable murine lymphosarcoma in Swiss mice by combined immunostimulation with BCG and polyinosinic-polycytidylic acid. Poduval TB, et al.
JNCI 1984 Jan;72(1):139–43

BCG protection of mice challenged with virulent Yersinia enterocolitica. Santos Filho L, et al.
Rev Latinoam Microbiol 1982 Jan–Mar;24(1):11–3

The persistence of tuberculin sensitivity following oral BCG vaccination in The Netherlands. Bleiker MA, et al.
Tubercle 1983 Dec;64(4):255–63

Controlled study with imidazole carboxamide (DTIC), DTIC + bacillus Calmette-Guérin (BCG), and DTIC + corynebacterium parvum in advanced malignant melanoma. W.H.O. Collaborating Centres for Evaluation of Methods of Diagnosis and Treatment of Melanoma.
Tumori 1984 Feb 29;70(1):41–8

BCG in the management of superficial bladder cancer. Brosman SA. **Urology** 1984 Apr;23(4 Suppl):82–7

[Preventive vaccination against tuberculosis: BCG] LaGrange PH. **Ann Pediatr (Paris)** 1984 Jun;31(6):461–8 (Eng. Abstr.) (Fre)

[Cellular changes in malignant pleural effusion induced by intrapleural injection of BCG-CWS] Matsuda M, et al.
Gan No Rinsho 1983 Aug;29(9):955–61 (Eng. Abstr.) (Jpn)

[Local immunotherapy of malignant brain tumors. Evaluation of intratumoral injection of BCG and a Streptococcus pyogenes preparation] Tanaka R, et al.
Neurol Med Chir (Tokyo) 1984 Jun;24(6):376–84 (Eng. Abstr.) (Jpn)

[Effectiveness of BCG vaccination] Kubit S, et al.
Pediatr Pol 1983 Oct;58(10):775–81 (Eng. Abstr.) (Pol)

[BCG vaccination of infants aged 11–12 months without previous tuberculin test] Szczuka I, et al. **Pediatr Pol** 1983 Oct;58(10):783–91 (Eng. Abstr.) (Pol)

[Late results of BCG immunotherapy of myelocytic leukemia] Kardaszewicz E, et al. **Pol Arch Med Wewn** 1983 Sep;70(3):87–92 (Eng. Abstr.) (Pol)

[Incidence of tuberculosis and a positive tuberculin test in children exposed to patients with tuberculosis. Importance of factors linked to the source and children despite previous vaccination with intradermal BCG] Morrone N, et al.
AMB 1983 Nov–Dec;29(11–12):182–8 (Eng. Abstr.) (Por)

[Determination of tuberculosis infection in children, adolescents and adults following mass intradermal BCG vaccination] Bubochkin BP. **Probl Tuberk** 1983 Sep; (9):9–13 (Eng. Abstr.) (Rus)

[Course of tuberculosis in unvaccinated and BCG-vaccinated children] Elizarov BM, et al. **Probl Tuberk** 1983 Dec; (12):10–3 (Eng. Abstr.) (Rus)

[Reaction of newborn infants to BCG vaccination carried out on the 4th day of life] Kozlova AV. **Probl Tuberk** 1983 Sep;(9):7–9 (Eng. Abstr.) (Rus)

[Nondiscriminating BCG revaccination of young conscripts] Rybalko VV, et al. **Voen Med Zh** 1983 Nov;(11):34–5 (Rus)

[BCG at birth: a discussion of its convenience at the present time] Fernández Martínez M, et al. **An Esp Pediatr** 1984 May;20(8):751–5 (Eng. Abstr.) (Spa)

ADVERSE EFFECTS

A bibliography of the complications of BCG vaccination. A comprehensive list of the world literature since the introduction of BCG up to July 1982, supplemented by over 100 personal communications. Lotte A, et al. **Adv Tuberc Res** 1984;21:194–245

BCG complications. Estimates of the risks among vaccinated subjects and statistical analysis of their main characteristics. Lotte A, et al. **Adv Tuberc Res** 1984;21:107–93

Caseating regional lymphadenitis complicating BCG vaccination [letter] Close GG, et al. **Arch Dis Child** 1983 Nov;58(11):939–40

BCG vaccination as a cause of osteomyelitis and subcutaneous abscess. Peltola H, et al. **Arch Dis Child** 1984 Feb;59(2):157–61

Erythromycin in the management of troublesome BCG lesions. Power JT, et al. **Br J Dis Chest** 1984 Apr; 78(2):192–4

Presumed BCG infection in a boy with chronic granulomatous disease. A report of a case and a review of the literature. Kobayashi Y, et al. **Clin Pediatr (Phila)** 1984 Oct;23(10):586–9

Allergic contact sensitivity to BCG. Sheikh M. **Contact Dermatitis** 1983 Sep;9(5):426–7

Generalized lymphadenitis following B.C.G. vaccination in an immunocompetent 12-year-old boy. Katzir Z, et al. **Eur J Pediatr** 1984 Jan;141(3):165–7

Disseminated BCG infection in a child with chronic granulomatous disease. A case report. Smith PA, et al. **S Afr Med J** 1984 May 19;65(20):821–2

The Swedish strain of BCG [letter] Lind A. **Tubercle** 1983 Sep;64(3):223–4

[Papular tuberculid in an infant following BCG vaccination] Lorette G, et al. **Ann Dermatol Venereol** 1984;111(5):493–6 **(Fre)**

[Facial lupus vulgaris caused by BCG] Lassale C, et al. **Arch Fr Pediatr** 1983 Oct;40(8):643–4 (Eng. Abstr.) **(Fre)**

[Side effects of BCG immune therapy in 511 patients with malignant melanoma] Schult C. **Hautarzt** 1984 Feb; 35(2):78–83 (Eng. Abstr.) **(Ger)**

[Characteristics of acid-fast organisms isolated from tuberculous lymphadenitis-lesion of two children who had been BCG-vaccinated. Differentiation of BCG from other strains of Mycobacterium bovis] Tsukamura M, et al. **Kekkaku** 1984 Apr;59(4):289–93 (Eng. Abstr.) **(Jpn)**

[Treatment of the complications occurring in BCG vaccine immunotherapy of patients with malignant neoplasms] Grigorovich NA, et al. **Vopr Onkol** 1984;30(7):102–6 (Eng. Abstr.) **(Rus)**

ANALYSIS

Antitumor activity of deoxyribonucleic acid fraction from Mycobacterium bovis BCG. I. Isolation, physicochemical characterization, and antitumor activity. Tokunaga T, et al. **JNCI** 1984 Apr;72(4):955–62

HISTORY

BCG: who were Calmette and Guérin? Sakula A. **Thorax** 1983 Nov;38(11):806–12

IMMUNOLOGY

Tuberculin skin testing in Vietnamese refugees with a history of BCG vaccination. Fox AS, et al. **Am J Dis Child** 1983 Nov;137(11):1093–4

Cell-mediated immune response in the mammary gland of guinea pigs adoptively sensitized with lymphocytes. Nonnecke BJ, et al. **Am J Reprod Immunol** 1984 Jul–Aug; 6(1):9–13

Mycobacterial sensitivity elicited with a PPD devoided of the majority of the antigens common with BCG. Results on healthy-BCG vaccinated and tuberculous children. Stavri D, et al. **Arch Roum Pathol Exp Microbiol** 1983 Apr–Sep;42(2–3):221–6

Mycobacterial delayed type sensitivity after BCG multiple site vaccination of guinea pigs. Stavri D, et al. **Arch Roum Pathol Exp Microbiol** 1983 Oct–Dec; 42(4):321–6

Depression of theophylline elimination following BCG vaccination. Gray JD, et al. **Br J Clin Pharmacol** 1983 Dec; 16(6):735–7

BCG-induced macrophages as suppressor cells. Druker BJ, et al. **Cancer Invest** 1983;1(2):151–61 (128 ref.)

Comparison between immunopotency tests and specific active or passive acquired resistance against Mycobacterium tuberculosis in mice induced with three different preparations of BCG pasteur vaccine. Brandely M, et al. **Clin Exp Immunol** 1983 Oct;54(1):143–50

Comparative experimental study of immunogenicity of the Czechoslovak and Soviet strain of M. Bovis (BCG). Sula I, et al. **Czech Med** 1984;7(1):49–60

Genetic control of BCG-induced granulomatous inflammation in mice. Sternick JL, et al. **Exp Lung Res** 1983 Nov;5(3):217–28

Changes in immunological parameters of the retired workers of the Okunojima poison gas factory with administration of BCG or Nocardia rubra cell wall skeleton. Yamakido M, et al. **Hiroshima J Med Sci** 1983 Dec;32(4):461–7

Microbicidal activity and morphological characteristics of lung macrophages in Mycobacterium bovis BCG cell wall-induced lung granuloma in mice. Kato K, et al. **Infect Immun** 1984 Aug;45(2):325–31

Studies on the development of tuberculin sensitivity in immunized guinea pigs with demonstration of a close relationship between results of skin tests and the lymphocyte transformation technique. Hasløv K, et al. **Int Arch Allergy Appl Immunol** 1984;73(2):114–22

Incidence of childhood tuberculosis after neonatal BCG vaccination. Curtis HM, et al. **Lancet** 1984 Jan 21; 1(8369):145–8

[The effect of BCG immunization on macrophage function] Du BY. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1983 Oct;6(5):268–70 (Eng. Abstr.) **(Chi)**

[Tuberculin testing in 15 and 16-year-old students, who, as newborns, were vaccinated with BCG] Werner E. **Z Gesamte Inn Med** 1983 Sep 15;38(18):498–9 (Eng. Abstr.) **(Ger)**

[Changes in tuberculin hypersensitivity following BCG vaccination and the effect of repeated tuberculin tests] Tokuchi S, et al. **Kekkaku** 1983 Jul;58(7):395–400 (Eng. Abstr.) **(Jpn)**

[Variability of the BCG Moreau substrain. II. Comparison of the allergizing and protective properties of BCG substrains of various origins] Janaszek W. **Med Dosw Mikrobiol** 1983;35(2):97–105 (Eng. Abstr.) **(Pol)**

[Comparative study of Polish, Russian and Hungarian BCG vaccines. I. Evaluation of the allergenic properties of the vaccines after 16 weeks] Szczuka I, et al. **Pneumonol Pol** 1983 Aug–Sep;51(8–9):441–7 (Eng. Abstr.) **(Pol)**

[Comparative study of Polish, Russian and Hungarian BCG vaccines. II. Evaluation of the allergenic properties of the vaccines after 26 weeks and 30 months] Szczuka I, et al. **Pneumonol Pol** 1983 Aug–Sep;51(8–9):449–59 (Eng. Abstr.) **(Pol)**

METABOLISM

Antimicrobial effects of a macrophage-derived cytotoxin from the serum of BCG-primed rabbits (tumour necrosis serum). Neale ML, et al. **J Med Microbiol** 1984 Apr; 17(2):211–3

PHARMACODYNAMICS

Suppressor T cells in BCG-treated mice interfere with an in vivo specific antitumoral immune response. Payelle B, et al. **Br J Cancer** 1984 Jun;49(6):759–68

The immunologic and immunotherapeutic sequelae of intraperitoneal BCG. II: Serial changes in spleen weight, morphology, cell populations and in vitro mitogen responses. Roche WR, et al. **Ir J Med Sci** 1983 Aug; 152(8):307–10

Bacillus Calmette-Guérin-activated murine macrophages kill syngeneic melanoma cells under strict anaerobic conditions. Freedman VH, et al. **J Exp Med** 1984 Jul 1;160(1):94–107

Suppression of BCG cell wall-induced delayed-type hypersensitivity by pretreatment with killed BCG: induction of nonspecific suppressor T cells by the adjuvant portion (MDP) and of specific suppressor T cells by the antigen portion (TAP). Kato K, et al. **J Immunol** 1984 Jun; 132(6):2790–5

Does isopathic phenomenon occur in leprosy? Lal S, et al. **Lepr India** 1983 Jul;55(3):495–9

Studies on search for a promising immunopotentiative substance for treatment of leprosy. III. With special reference to an immunomodulative drug CCA, a BCG vaccine and the significance of an improved rabbit red blood cell rosette formation test. Gidoh M, et al. **Nippon Rai Gakkai Zasshi** 1983 Jul–Sep;52(3):165–79

[Activation of the mononuclear phagocyte system by microbial stimulators] Maianskiĭ DN, et al. **Patol Fiziol Eksp Ter** 1983 Jul–Aug;(4):52–5 (Eng. Abstr.) **(Rus)**

STANDARDS

Experimental screening of BCG preparations produced for cancer immunotherapy: safety and immunostimulating and antitumor activity of four consecutively produced batches. de Jong WH, et al. **Cancer Immunol Immunother** 1984; 17(1):18–27

THERAPEUTIC USE

In vivo and in vitro boosting effects of tuberculin skin tests in guinea-pigs immunized with living BCG or with killed Mycobacterium tuberculosis. Hasløv K, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1984 Apr; 92(2):101–6

Role of 'lymphotoxin' in the local anti-tumour action associated with inflammation caused by delayed hypersensitivity responses or intralesional BCG. I. Variations in response of different syngeneic mouse tumours. Parr IB, et al. **Br J Cancer** 1983 Sep;48(3):395–403

Adjuvant endocrine therapy, cytotoxic chemotherapy, and immunotherapy in stage-II breast cancer: five-year results. Pearson OH, et al. **Breast Cancer Res Treat** 1983;3 Suppl:S61–8

BCG in the treatment of cancer [letter] **Can Med Assoc J** 1983 Dec 1;129(11):1173–4

Adjuvant chemotherapy with fluorouracil, doxorubicin, and cyclophosphamide, with or without Bacillus Calmette-Guerin and with or without irradiation in operable breast cancer. A prospective randomized trial. Buzdar AU, et al. **Cancer** 1984 Feb 1;53(3):384–9

Efficacy of MER immunotherapy when added to a regimen of 5-fluorouracil and methyl-CCNU following resection for carcinoma of the large bowel. A Veterans Administration Surgical Oncology Group report. Higgins GA, et al. **Cancer** 1984 Jul 15;54(2):193–8

Mammary tumor growth inhibition in C3H/He mice by long-term Bacillus Calmette-Guérin immunoprophylaxis versus enhancement by primary Bacillus Calmette-Guérin therapy. Vaage J. **Cancer Res** 1983 Dec;43(12 Pt 1):5778–82

In vitro differences in lymphocyte subpopulation reactivity in lung cancer patients: purified protein derivative-specific suppressor T lymphocytes in patients who have received Bacillus Calmette-Guerin. Ostenson RC, et al. **Clin Immunol Immunopathol** 1984 Feb;30(2):233–40

Immunotherapy and immune competence of patients with malignant melanoma. Kovařík J, et al. **Czech Med** 1983; 6(3):172–4

BCG vaccine in superficial bladder tumors: eight years later. Martinez-Piñeiro JA. **Eur Urol** 1984;10(2):93–100

Study on cellular immunity of cancer patients treated with BCG. Onami K, et al. **Fukushima J Med Sci** 1982; 28(3–4):119–28

Efficacy of Mycobacterium bovis BCG vaccination in mice undergoing prior pulmonary infection with atypical mycobacteria. Orme IM, et al. **Infect Immun** 1984 Apr; 44(1):28–32

Oral administration of the methanol extraction residue of BCG (MER/BCG): a phase I study in non-oat cell lung cancer patients. Bartal AH, et al. **Int J Immunopharmacol** 1983;5(4):329–34

The immunological and epidemiological significance of environmental mycobacteria on leprosy and tuberculosis control. Pallen MJ. **Int J Lepr** 1984 Jun;52(2):231–45

Immunologic alterations and active aspecific immunotherapy in lung cancer patients. Banna P, et al. **Ital J Surg Sci** 1983;13(2):133–7

BCG prophylaxis against cancer: methodological evaluation of a continuing controversy. Clemens JD, et al. **J Chronic Dis** 1984;37(1):45–54

Oral administration of BCG as a local immunotherapy of gastrointestinal cancer. Eriguchi M, et al. **J Surg Oncol** 1984 Jun;26(2):100–6

Campaign against tuberculosis in primary school children in Bendel State, Nigeria (1975 to 1977). Alakija W. **J Trop Pediatr** 1984 Apr;30(2):111–2

Long-term results and complications of intracavitary bacillus Calmette-Guerin therapy for bladder cancer. Morales A. **J Urol** 1984 Sep;132(3):457–9

Bacillus Calmette-Guerin immunotherapy of infiltrating bladder cancer. Netto NR Jr, et al. **J Urol** 1984 Oct; 132(4):675–7

Comparison of the efficacy of intravesical Bacillus Calmette-Guérin with thiotepa, mitomycin C, poly I:C/poly-L-lysine and cis platinum in murine bladder cancer. Shapiro A, et al. **J Urol** 1984 Jan;131(1):139–42

Remission of metastatic adenocarcinoma of the colon. Shapiro CM, et al. **JAMA** 1983 Nov 11;250(18):2503–4

Combination chemoimmunotherapy for advanced gastric carcinoma. Akiyoshi T, et al. **Jpn J Surg** 1984 May; 14(3):185–90

Chemoimmunotherapy for acute nonlymphocytic leukemia with BCG-and/or Nocardia rubra-cell wall skeleton (CWS). I. Clinical efficacy. Araki K, et al. **Kumamoto Med J** 1983 Mar;36(1):15–27

Chemoimmunotherapy for acute nonlymphocytic leukemia with BCG- and/or Nocardia rubra-cell wall skeleton (CWS). II. Analysis of the mechanisms of immunological destruction of the tumor cells. Kawano F, et al. **Kumamoto Med J** 1983 Mar;36(1):29–38

BCG treatment of residual disease in acute leukemia: studies in a rat model for human acute myelocytic leukemia (BNML). Hagenbeek A, et al. **Leuk Res** 1983;7(4):547–55

Effect of a single injection of cyclophosphamide on immunization therapy of metastases remaining after excision of dermal primary tumors in guinea pigs. Bekierkunst A, et al. **Oncology** 1984;41(2):129–34

Management of tuberculin reactors in children and adolescents previously vaccinated with BCG. Nemir RL, et al. **Pediatr Infect Dis** 1983 Nov–Dec;2(6):446–51

BCG and vole bacillus vaccination in adolescence and mortality from leukaemia. Sutherland I. **Stat Med** 1982 Oct–Dec;1(4):329–35

Antiestrogen-cytotoxic chemotherapy and bacillus Calmette-Guerin vaccination in stage II breast cancer: seventy-two-month follow-up. Hubay CA, et al. **Surgery** 1984 Jul;96(1):61–72

Cytomorphological and histological studies on the urothelium during and after chemoimmune prophylaxis. Adolphs HD, et al. **Urol Res** 1984;12(2):129–33

[Adjuvant BCG therapy in radical resection of lung cancer] von Schlieben I, et al. **Prax Klin Pneumol** 1984 Mar; 38(3):102–3 (Eng. Abstr.) **(Ger)**

[Discontinuation of BCG vaccination of newborn infants in Israel (editorial)] Marcus J, et al. **Harefuah** 1984 Feb 15; 106(4):185–6 **(Heb)**

[Possible applications of living BCG and the BCG cell wall in immunotherapy] Canti GF, et al. **Boll Ist Sieroter Milan** 1983 May 31;62(2):125–9 (Eng.

Abstr.) (Ita)
[Prevention of tuberculosis today] Orlandi A. **Minerva Med** 1984 Mar 17;75(11):589–93 (Eng. Abstr.) (Ita)
[Adjuvant BCG immunotherapy for breast cancer (T1N0M0, T2N0M0)] Sakurai T, et al. **Gan To Kagaku Ryoho** 1984 Sep;11(9):1838–42 (Eng. Abstr.) (Jpn)
[Surgical treatment of colorectal cancer. Value of immunologic competence skin tests in the prognostic and immunotherapeutic evaluation] de Godoy AC, et al. **Rev Paul Med** 1983 May–Jun;101(3):91–5 (Eng. Abstr.) (Por)
[BCG vaccination in the treatment of malignant non-Hodgkin lymphomas] Gociu M, et al. **Rev Med Interna [Med Interna]** 1984 Jan–Feb;36(1):25–8 (Rum)
[Effect of nonspecific stimulators on body resistance to tumor growth] Bulbuk GA. **Patol Fiziol Eksp Ter** 1983 Sep–Oct; (5):66–9 (Eng. Abstr.) (Rus)
[Cancer and BCG] Rumi LS. **Acta Physiol Lat Am** 1981; 31(1):25–34 (Eng. Abstr.) (Spa)

BCNU see **CARMUSTINE**

BDELLOVIBRIO

GENETICS

Acquisition of Escherichia coli outer membrane proteins by Bdellovibrio sp. strain 109D. Diedrich DL, et al. **J Bacteriol** 1984 Jul;159(1):329–34

GROWTH & DEVELOPMENT

Change in the surface hydrophobicity of substrate cells during bdelloplast formation by Bdellovibrio bacteriovorus 109J. Cover WH, et al. **J Bacteriol** 1984 Feb;157(2):391–7
[Oscillations in population densities of the bacterial prey–predator couple Escherichia coli–Bdellovibrio bacteriovorus: experimental study and theoretical model] Dulos E, et al. **Ann Microbiol (Paris)** 1984 Mar–Apr; 135(2):271–95 (Eng. Abstr.) (Fre)

METABOLISM

Attachment of diaminopimelic acid to bdelloplast peptidoglycan during intraperiplasmic growth of Bdellovibrio bacteriovorus 109J. Ruby EG, et al. **J Bacteriol** 1984 May;158(2):597–602

PHYSIOLOGY

Molecular parasitism in the Escherichia coli–Bdellovibrio bacteriovorus system: translocation of the matrix protein from the host to the parasite outer membrane. Guerrini F, et al. **EMBO J** 1982;1(11):1439–44
Permeability of the boundary layers of Bdellovibrio bacteriovorus 109J and its bdelloplasts to small hydrophilic molecules. Cover WH, et al. **J Bacteriol** 1984 Feb; 157(2):385–90

BEAK

ABNORMALITIES

Effect of varying levels of dietary vitamin D3 on turkey hen egg production, fertility and hatchability, embryo mortality and incidence of embryo beak malformations. Stevens VI, et al. **Poult Sci** 1984 Apr;63(4):760–4

INJURIES

Prosthetic beak for a salmon-crested cockatoo. Sleamaker TF. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1300–1

INNERVATION

A trigeminal sensorimotor circuit for pecking, grasping and feeding in the pigeon (Columba livia). Wild JM, et al. **Brain Res** 1984 May 21;300(1):146–51

PATHOLOGY

The pathology of psittacine beak and feather disease. Pass DA, et al. **Aust Vet J** 1984 Mar;61(3):69–74
Beak and feather dystrophy in wild sulphur-crested cockatoos (Cacatua galerita). McOrist S, et al. **J Wildl Dis** 1984 Apr;20(2):120–4

PHYSIOLOGY

[Biomechanics of the skull and the bill in Ramphastos (Ramphastidae, Aves). II. Analysis of the conditions of movement of the bill] Höfling E, et al. **Gegenbaurs Morphol Jahrb** 1984;130(2):235–62 (Eng. Abstr.) (Fre)

SURGERY

Behavior and growth parameters of large white turkeys as affected by floor space and beak trimming. 1. Males. Denbow DM, et al. **Poult Sci** 1984 Jan;63(1):31–7

BEANS see **LEGUMES**

BEARS see under **CARNIVORA**

BEAUTY see under **ESTHETICS**

BEAUTY CULTURE

Cancer incidence among cosmetologists. Teta MJ, et al. **JNCI** 1984 May;72(5):1051–7
Reflections on beauty as it relates to health in adolescent females. Freedman RJ. **Women Health** 1984 Summer–Fall; 9(2–3):29–45

BEAVERS see **RODENTIA**

BECHTEREW'S DISEASE see **SPONDYLITIS, ANKYLOSING**

BECKWITH–WIEDEMANN SYNDROME

DIAGNOSIS

A case of Beckwith–Wiedemann syndrome with conductive hearing loss. Daugbjerg P, et al. **Acta Paediatr Scand** 1984 May;73(3):408–10

FAMILIAL & GENETIC

Trisomy 11p15 and Beckwith–Wiedemann syndrome. A report of two cases. Turleau C, et al. **Hum Genet** 1984; 67(2):219–21
Chromosome 11 and Beckwith–Wiedemann syndrome [letter] Pueschel SM, et al. **J Pediatr** 1984 Mar;104(3):484–5
[Familial Wiedeman–Beckwith syndrome: prenatal echography diagnosis and histologic confirmation] Nivelon-Chevallier A, et al. **J Genet Hum** 1983 Dec;31 Suppl 5:397–402 (Eng. Abstr.) (Fre)

BECLOMETHASONE

ADMINISTRATION & DOSAGE

A clinical comparison of aerosol and powder administration of beclomethasone dipropionate in childhood asthma. Bisgaard H, et al. **Allergy** 1984 Jul;39(5):365–9
Beclomethasone dipropionate inhalation treatment for chronic hoarseness in rheumatic disease [letter] Goldberg J, et al. **Arthritis Rheum** 1983 Nov;26(11):1412
Deposition of sprayed particles in the nasal cavity. Unno T, et al. **Auris Nasus Larynx** 1983;10(2):109–16
Adrenocortical function during high-dose beclomethasone aerosol therapy. Francis RS. **Clin Allergy** 1984 Jan; 14(1):49–53
A comparison of the efficacy and tolerance of an aqueous beclomethasone dipropionate nasal spray with the conventional pressurized spray. Sidwell S. **Curr Med Res Opin** 1983;8(9):659–64
High-dose corticosteroid inhalers for asthma [letter] Ebden P, et al. **Lancet** 1984 Sep 8;2(8402):576
Inhaled therapy reduces morning dips in asthma. Horn CR, et al. **Lancet** 1984 May 26;1(8387):1143–5
The use of inhaled high dose beclomethasone in the Waikato region [letter] French JK, et al. **NZ Med J** 1984 Aug 22; 97(762):576
A comparison of an aqueous and a pressurized nasal spray of beclomethasone dipropionate in the management of seasonal rhinitis. Harries MG, et al. **Pharmatherapeutica** 1984;3(9):623–5
A comparison of beclomethasone dipropionate aqueous nasal spray and beclomethasone dipropionate pressurized nasal spray in the management of seasonal rhinitis. Dunn AM, et al. **Postgrad Med J** 1984 Jun;60(704):404–6
Hay fever treatment with budesonide and beclomethasone dipropionate twice daily – a clinical comparison. Pipkorn U. **Rhinology** 1983 Dec;21(4):335–40
Assessment of a new combination inhaler containing salbutamol and beclomethasone dipropionate in the management of asthmatic patients. Plit M, et al. **S Afr Med J** 1984 May 12;65(19):758–62
[Treatment possibilities and treatment results in pneumoconioses] Ulmer WT. **Schweiz Med Wochenschr [Suppl]** 1983;15:47–50 (Eng. Abstr.) (Ger)
[Clinical evaluation of beclomethasone dipropionate in the treatment of perennial allergic rhinitis] Rogowski M, et al. **Wiad Lek** 1983 Nov 15;36(22):1861–5 (Eng. Abstr.) (Pol)
[Effect of treatment with ventolin and becotide on ventilation and hemodynamics in patients with bronchial asthma] Sil'vestrov VP, et al. **Klin Med (Mosk)** 1983 Dec; 61(12):54–8 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

Deep-inspiration induced bronchoconstriction: a mechanism for beclomethasone aerosol intolerance. Charpin D, et al. **Eur J Respir Dis** 1983 Oct;64(7):494–7
Suppression of pituitary-adrenal axis in children on beclomethasone dipropionate inhalation therapy [letter] Pijls NH, et al. **Lancet** 1984 Jul 21;2(8395):173–4
Inhaled steroids and dysphonia [letter] Streeton JA. **Lancet** 1984 Apr 28;1(8383):963
Effects of long term inhaled high dose beclomethasone dipropionate on adrenal function. Smith MJ, et al. **Thorax** 1983 Sep;38(9):676–81

PHARMACODYNAMICS

[Effect of Berotec, Atrovent and Becotide on histamine-induced bronchial spasm in patients with chronic bronchitis] Kurgan J. **Pneumonol Pol** 1983 Nov; 51(11):561–8 (Eng. Abstr.) (Pol)

THERAPEUTIC USE

Evaluation of nasal and blood eosinophilia in children suffering from perennial allergic rhinitis treated with beclomethasone dipropionate. Elkhalil M, et al. **Allergol Immunopathol (Madr)** 1983 Jul–Aug;11(4):225–8
The effects of disodium cromoglycate (DSCG) and beclomethasone dipropionate (BDA) on the delayed nasal mucosa response to allergen challenge. Pelikan Z. **Ann Allergy** 1984 Feb;52(2):111–24
Effect of inhaled beclomethasone dipropionate on saliva cortisol concentrations. Williams H, et al. **Arch Dis Child** 1984 Jun;59(6):553–6
A new treatment for asthma: promotional expediency versus pharmaceutical responsibility [letter] Gregg I. **Br Med J [Clin Res]** 1984 Jan 7;288(6410):68–9
Beclomethasone dipropionate. A reappraisal of its pharmacodynamic properties and therapeutic efficacy after a decade of use in asthma and rhinitis. Brogden RN, et al. **Drugs** 1984 Aug;28(2):99–126 (123 ref.)
Dosing of inhaled corticosteroids and therapeutic goals in asthmatic patients. Berglund E, et al. **Eur J Respir Dis** 1984 Jul;65(5):319–20
Persisting airflow limitation in asthmatics receiving routine self-adjusted medication. Tschopp JM, et al. **Eur J Respir Dis** 1984 Jul;65(5):346–53
Effect of aminophylline when added to metaproterenol sulfate and beclomethasone dipropionate aerosol. Appel DW. **J Allergy Clin Immunol** 1984 Feb;73(2):291–7
Beclomethasone dipropionate and betamethasone valerate with sodium cromoglycate in steroid-dependent asthma in children. Gupta SK, et al. **J Assoc Physicians India** 1984 Mar;32(3):245–9
Allergic rhinitis in the aviator: a review. Kaluza CL, et al. **Milit Med** 1983 Aug;148(8):652–4
[Comparative study of topical treatment of seasonal allergic rhinitis with aqueous beclomethasone and flunisolide] Varonier HS, et al. **Ther Umsch** 1984 May;41(5):375–9 (Eng. Abstr.) (Fre)

BECLOMETHASONE DIPROPIONATE see **BECLOMETHASONE**

BED CAPACITY, HOSPITAL see **HOSPITAL BED CAPACITY**

BED CONVERSION see under **HEALTH FACILITY PLANNING**

BED OCCUPANCY

Reduction in work hours during a period of reduced patient census. Cohen JE. **Am J Hosp Pharm** 1984 Feb;41(2):294–6
SHAPE, dementia and clinical experience. Christie AB, et al. **Health Bull (Edinb)** 1983 Nov;41(6):283–91
Special newborn care and cot occupancy [letter] Dunn PM, et al. **Lancet** 1984 Aug 25;2(8400):469–70
Hospital effects of maternity early discharge. McIntosh ID. **Med Care** 1984 Jul;22(7):611–9
A dialysis need-forecasting model. A retrospective evaluation. Pliskin JS, et al. **Med Decis Making** 1983; 3(4):489–500
Hospitalization utilization levels. The application of queuing. Theory to a controversial medical economic problem. McQuarrie DG. **Minn Med** 1983 Nov;66(11):679–86
[Methodological approaches to the planning and assessing of the efficiency of utilizing hospital bed capacity] Shcherbakov VN. **Sov Zdravookhr** 1984;(6):29–35 (Eng. Abstr.) (Rus)

BED REST

Radiculography with non-ionic contrast medium: routine bed rest is unnecessary. Macpherson P, et al. **Clin Radiol** 1984 Jul;35(4):287–8
Serum erythropoietin titers during prolonged bedrest; relevance to the 'anaemia' of space flight. Dunn CD, et al. **Eur J Applied Physiol** 1984;52(2):178–82
Bed rest, deep-vein thrombosis, and pulmonary embolism [letter] Singer A. **JAMA** 1983 Dec 16;250(23):3162
Physiology of fluid and electrolyte responses during inactivity: water immersion and bed rest. Greenleaf JE. **Med Sci Sports Exerc** 1984;16(1):20–5
Temporal experience and bed rest: replication and refinement. Smith MJ. **Nurs Res** 1984 Sep–Oct; 33(5):298–302
Relations between visceral and behavioral function in men at bedrest. Natelson BH, et al. **Pavlov J Biol Sci** 1983 Jul–Sep;18(3):161–8
[Sleep-wake rhythm of normal subjects under the entrained, absolute bed-rest condition for one week] Ohta T. **Seishin Shinkeigaku Zasshi** 1983;85(5):302–30 (Eng. Abstr.) (Jpn)
[Central circulation in the healthy human being during 7 days of head-down tilt and decompression of different body areas] Katkov VE, et al. **Kosm Biol Aviakosm Med** 1984 Jan–Feb;18(1):80–90 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

Handgrip and general muscular strength and endurance during prolonged bedrest with isometric and isotonic leg exercise training. Greenleaf JE, et al. **Aviat Space Environ Med** 1983 Aug;54(8):696–700

A suspension model for hypokinetic/hypodynamic and antiorthostatic responses in the mouse. Steffen JM, et al. **Aviat Space Environ Med** 1984 Jul;55(7):612–6

Skeletal calcium homeostasis and countermeasures to prevent disuse osteoporosis. Schneider VS, et al. **Calcif Tissue Int** 1984;36 Suppl 1:S151–44

Disuse osteoporosis: physiological aspects. Whedon GD. **Calcif Tissue Int** 1984;36 Suppl 1:S146–50

[Importance of intensive kinesitherapy in the prevention of massive bone loss in bedridden injured patients] Reginster JY, et al. **Acta Belg Med Phys** 1983 Oct–Dec;6(4):147–52 (Eng. Abstr.) **(Fre)**

[Effect of bed rest on cardiocirculatory function] Polese A. **Boll Soc Ital Cardiol** 1982;27(1):61–4 **(Ita)**

BEDBUGS

Assassin bug toxemia [letter] Stein ZL, et al. **Drug Intell Clin Pharm** 1983 Oct;17(10):753–4

A comparative evaluation of malathion and fenitrothion in bedbug control. Varma BD, et al. **J Commun Dis** 1983 Jun;15(2):126–8

MICROBIOLOGY

Detection of hepatitis B surface antigen from pools of bedbugs, and their possible role hepatitis B transmission in Ethiopia. Gebreselassie L. **Ethiop Med J** 1984 Apr; 22(2):77–9

BEDDING AND LINENS

Skin pressure measurements on various mattress surfaces in cancer patients. Berjian RA, et al. **Am J Phys Med** 1983 Oct;62(5):217–26

A combined humidifier–warming blanket for neonates [letter] Ariaraj SJ. **Anaesthesia** 1984 Aug;39(8):833–4

Intraoperative heat conservation using a reflective blanket. Bourke DL, et al. **Anesthesiology** 1984 Feb;60(2):151–4

Comparison of methods for recovery of Escherichia coli and Staphylococcus aureus from seeded laundry fabrics. Cody HJ, et al. **Appl Environ Microbiol** 1984 May;47(5):965–70

Killing of fabric-associated bacteria in hospital laundry by low-temperature washing. Blaser MJ, et al. **J Infect Dis** 1984 Jan;149(1):48–57

Weight gain and movement patterns of very low birthweight babies nursed on lambswool. Scott S, et al. **Lancet** 1983 Oct 29;2(8357):1014–6

Effect of a fleecy woollen underlay on sleep. Dickson PR. **Med J Aust** 1984 Jan 21;140(2):87–9

A new strategy in the control of house dust mite allergy. Van de Maele B. **Pharmatherapeutica** 1983;3(7):441–4

[Use of antimicrobial linen with hexachlorophene for the prevention of intrahospital infections] Ialysheva NI, et al. **Sov Med** 1983;(11):38–9 **(Rus)**

STANDARDS

Nursing the premature infant: what type of sheet? [letter] Epstein MF. **Lancet** 1984 Jan 21;1(8369):174

Nursing the premature infant: what type of sheet? [letter] Scott S, et al. **Lancet** 1984 Feb 11;1(8372):348

UTILIZATION

[Use of cotton fabrics in public health institutions] Minakova IG, et al. **Sov Zdravookhr** 1983;(9):27–31 (Eng. Abstr.) **(Rus)**

BEDS

Cervical logrolling on a standard hospital bed. Agee BL, et al. **Am J Nurs** 1984 Mar;84(3):314–8

Limitations of cervical logrolling [letter] Leininger PA. **Am J Nurs** 1984 Jun;84(6):713, 717

A prone bed. Miller B, et al. **Am J Ophthalmol** 1984 Jun; 97(6):787–8

Skin pressure measurements on various mattress surfaces in cancer patients. Berjian RA, et al. **Am J Phys Med** 1983 Oct;62(5):217–26

Electrically powered hospital beds. **FDA Drug Bull** 1983 Aug;13(2):18

The influence of environmental temperature (32 degrees C) on catabolism using the Clinitron fluidised bed. Ryan DW. **Intensive Care Med** 1983;9(5):279–81

Cotsides—protecting whom against what? [editorial] **Lancet** 1984 Aug 18;2(8399):383–4

Serious skin disease: expensive bed [letter] Smith EL, et al. **Lancet** 1983 Nov 19;2(8360):1205–6

Paraplegic body-support pressure on convoluted foam, waterbed, and standard mattresses. Wells P, et al. **Res Nurs Health** 1984 Jun;7(2):127–33

Clinical results of treatment of patients in the air-fluidized bed (Clinitron) during a one-year period. Kalaja E. **Scand J Plast Reconstr Surg** 1984;18(1):153–4

Five years' experience with the air-fluidized bed in the care of burned patients. Nørmølle E, et al. **Scand J Plast Reconstr Surg** 1984;18(1):149–51

[Use of the air-bed 'SSI Clinitron' in severe burns] Brož L, et al. **Rozhl Chir** 1983 Sep;62(8–9):602–5 (Eng. Abstr.) **(Cze)**

[The orthopedic mattress—tradition vs. facts (editorial)] Dvir Z, et al. **Harefuah** 1984 Feb 15;106(4):187–8 **(Heb)**

STANDARDS

'SSI Clinitron' air-fluidized bed in severe burns. Brož L, et al. **Acta Chir Plast (Prague)** 1983;25(4):224–8

Fluidised beds [letter] Ryan DW. **Lancet** 1983 Dec 17; 2(8364):1422–3

Broken cots and infant fatality. Variend S, et al. **Med Sci Law** 1984 Apr;24(2):111–2

BEDSORES see **DECUBITUS ULCER**

BEE VENOMS

A restatement of melittin-induced effects on the thermotropism of zwitterionic phospholipids. Dasseux JL, et al. **Biochim Biophys Acta** 1984 Aug 8;775(1):37–50

Melittin and the 8–26 fragment. Differences in ionophoric properties as measured by monolayer method. Gevod VS, et al. **Biophys J** 1984 Jun;45(6):1079–83

ADMINISTRATION & DOSAGE

Venom immunotherapy—a critical evaluation of in vitro techniques [letter] Gandhi MD, et al. **Ann Allergy** 1983 Oct;51(4):465

Diagnosis of Polistes wasp hypersensitivity. Grant JA, et al. **J Allergy Clin Immunol** 1983 Oct;72(4):399–406

Changes in the levels of anti-phospholipase A2 and hyaluronidase antibodies during bee venom immunotherapy. Kemeny DM, et al. **Monogr Allergy** 1983; 18:150–2

ANALYSIS

Wasp venom proteins: phospholipase A1 and B. King TP, et al. **Arch Biochem Biophys** 1984 Apr;230(1):1–12

Acetylcholine and an unidentified, muscle-contracting factor in the venom of the bumblebee, Bombus terrestris L. Piek T, et al. **Comp Biochem Physiol [C]** 1983;75(2):351–6

The purification and characterisation of hyaluronidase from the venom of the honey bee, Apis mellifera. Kemeny DM, et al. **Eur J Biochem** 1984 Mar 1;139(2):217–23

Kinetics of conformational changes in melittin. A circular-dichroic stopped-flow study. Salerno C, et al. **Eur J Biochem** 1984 Mar 1;139(2):275–8

Characterization of the purified anticoagulant principles from Apis mellifera (honey bee) venom. Lin SC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1983 May;82(5):629–39

Ion-exchange chromatographic characterization of stinging insect vespid venoms. Einarsson R, et al. **Toxicon** 1984; 22(1):154–60

The glycoprotein nature of phospholipase A2, hyaluronidase and acid phosphatase from honey-bee venom. März L, et al. **Toxicon** 1983;21(6):893–6

[Theoretical conformation analysis of MCD peptide] Lomize AL, et al. **Mol Biol (Mosk)** 1983 Nov–Dec;17(6):1212–9 (Eng. Abstr.) **(Rus)**

DIAGNOSTIC USE

Use of dialyzed venoms in the radioallergosorbent test. Wypych JI, et al. **Int Arch Allergy Appl Immunol** 1984; 73(1):14–7

IMMUNOLOGY

Venom immunotherapy in hymenoptera sting allergy. Comparison of rush and conventional hyposensitization and observations during long-term treatment. Thurnheer U, et al. **Allergy** 1983 Oct;38(7):465–75

Sudden death due to stinging insect hypersensitivity: postmortem demonstration of IgE antivenom antibodies in a fatal case. Schwartz HJ, et al. **Am J Clin Pathol** 1984 Jun;81(6):794–5

Hyposensitisation to wasp venom in six hours. van der Zwan JC, et al. **Br Med J [Clin Res]** 1983 Nov 5; 287(6402):1329–31

Bee keepers' IgG and IgE antibody responses to bee venom studied by means of crossed radioimmunoelectrophoresis. Nordvall SL, et al. **Clin Allergy** 1984 Jul;14(4):341–50

Humoral and cellular immune response of the rat to immunization with bee venom. Schneider H, et al. **Clin Exp Immunol** 1984 Aug;57(2):449–53

Allergens in Hymenoptera venom XI. Isolation of protein allergens from Vespula maculifrons (yellow jacket) venom. Hoffman DR, et al. **J Allergy Clin Immunol** 1984 Jul; 74(1):93–103

Antibodies to purified bee venom proteins and peptides. II. A detailed study of changes in IgE and IgG antibodies to individual bee venom antigens. Kemeny DM, et al. **J Allergy Clin Immunol** 1983 Oct;72(4):376–85

Studies of coexisting honeybee and vespid-venom sensitivity. Reisman RE, et al. **J Allergy Clin Immunol** 1984 Feb; 73(2):246–52

Bee venom immunotherapy [letter] Walls RS, et al. **Med J Aust** 1983 Dec 10–24;2(12):606

Stinging insect hypersensitivity. Safety and efficacy of venom immunotherapy. Golub JR, et al. **NY State J Med** 1984 Feb;84(2):66–8

Hymenoptera allergy in children. Graft DF, et al. **Pediatr Clin North Am** 1983 Oct;30(5):873–86

Bee venom allergy. Leaver R, et al. **S Afr Med J** 1984 Aug 25;66(8):294–6

Human immune response to hymenoptera venoms. Hoffman DR. **Surv Immunol Res** 1982;1(3):286–9 (15 ref.)

[Diagnosis of Hymenoptera hypersensitivity by skin testing and RAST] Namai S, et al. **Arerugi** 1983 Sep;32(9):929–39 (Eng. Abstr.) **(Jpn)**

[IgG4 antibody response to phospholipase A in bee keepers] Takaishi T, et al. **Arerugi** 1983 Nov;32(11):1106–12 (Eng. Abstr.) **(Jpn)**

[Measurement of bee venom specific IgG antibody in bee venom hypersensitivity and the relation between the specific IgE antibody and total IgE] Goto A, et al. **Radioisotopes** 1983 Sep;32(9):404–10 (Eng. Abstr.) **(Jpn)**

ISOLATION & PURIFICATION

Wasp venom proteins: phospholipase A1 and B. King TP, et al. **Arch Biochem Biophys** 1984 Apr;230(1):1–12

Isolation and characterization of two new peptides, mastoparan C and crabrolin, from the venom of the European hornet, Vespa crabro. Argiolas A, et al. **J Biol Chem** 1984 Aug 25;259(16):10106–11

Characterization of the purified anticoagulant principles from Apis mellifera (honey bee) venom. Lin SC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1983 May;82(5):629–39

METABOLISM

The effect of a phase transition on penetration of phospholipid monolayers by melittin and glucagon. Hendrickson HS, et al. **Arch Biochem Biophys** 1983 Nov; 227(1):242–7

Structural changes in melittin and calmodulin upon complex formation and their modulation by calcium. Maulet Y, et al. **Biochemistry** 1983 Nov 22;22(24):5680–6

Effect of pressure on the self-association of melittin. Thompson RB, et al. **Biochemistry** 1984 Jul 17; 23(15):3411–7

Structural aspects of the interaction of bee venom peptide melittin with phospholipids. Strom R, et al. **Biopolymers** 1983 Jan;22(1):391–6

Molecular properties of the apamin-binding component of the Ca2+-dependent K+ channel. Radiation-inactivation, affinity labelling and solubilization. Schmid-Antomarchi H, et al. **Eur J Biochem** 1984 Jul 2;142(1):1–6

Autoradiographic localization of apamin-sensitive Ca2+-dependent K+ channels in rat brain. Mourre C, et al. **Eur J Pharmacol** 1984 Apr 13;100(1):135–6

PHARMACODYNAMICS

Changes induced by apamin from bee venom on differentiated mouse neuroblastoma cells in culture. Spoerri PE. **Acta Anat (Basel)** 1983;117(4):346–54

Effect of apamin on release of vasoactive intestinal polypeptide (VIP) from the cat intestines. Sjöqvist A, et al. **Acta Physiol Scand** 1983 Sep;119(1):69–76

Inhibitory effect of honey bee venom on immune complex mediated leukocyte migration into rabbit knee-joints. Thomsen P, et al. **Agents Actions** 1984 Jun;14(5–6):662–6

Mitogens and melittin stimulate an increase in intracellular free calcium concentration in human fibroblasts. Mix LL, et al. **Biochem Biophys Res Commun** 1984 Feb 29; 119(1):69–75

Inhibition of calmodulin activity by insect venom peptides. Barnette MS, et al. **Biochem Pharmacol** 1983 Oct 1; 32(19):2929–33

Effects of apamin on alpha-adrenoceptor-mediated changes in plasma potassium in guinea-pigs. Coats RA. **Br J Pharmacol** 1983 Nov;80(3):573–80

Intrathecal apamin selectively facilitates activity in ascending axons of rat spinal cord evoked by stimulation of afferent C fibers in sural nerve. Jurna I, et al. **Brain Res** 1983 Nov 28;280(1):186–9

Apamin, a neurotoxin specific for one class of Ca2+-dependent K+ channels. Lazdunski M. **Cell Calcium** 1983 Dec;4(5–6):421–8 (32 ref.)

Cardioactive effects of hornet venom, Vespa mandarinia. Abe T, et al. **Comp Biochem Physiol [C]** 1983;76(2):221–5

Effect of apamin and theophylline on adenosine-5'-triphosphate-induced response of the guinea pig gallbladder. Ishikawa Y, et al. **Digestion** 1983; 27(4):234–8

Stimulation of anterior pituitary prolactin release by melittin, an activator of phospholipase A2. Grandison L. **Endocrinology** 1984 Jan;114(1):1–7

The influence of melittin on the rotation of band 3 protein in the human erythrocyte membrane. Dufton MJ, et al. **Eur Biophys J** 1984;11(1):17–24

Cerebrospinal fluid kinins and cardiovascular function. Effects of cerebroventricular melittin. Thomas GR, et al. **Hypertension** 1984 Mar–Apr;6(2 Pt 2):I46–50

Apamin-resistant post-stimulus hyperpolarization in the circular muscle of the guinea-pig ileum. Niel JP, et al. **J Auton Nerv Syst** 1983 Nov;9(2–3):565–9

Facilitation of phospholipase A2 activity by mastoparans, a new class of mast cell degranulating peptides from wasp venom. Argiolas A, et al. **J Biol Chem** 1983 Nov 25; 258(22):13697–702

Interactions of the neurotoxin apamin with a Ca2+-activated K+ channel in primary neuronal cultures. Seagar MJ, et al. **J Biol Chem** 1984 Feb 10;259(3):1491–5

The effects of endogenous phospholipase A2 activation on beta adrenoceptor function in cardiac cells. Bobik A, et al. **J Mol Cell Cardiol** 1983 Nov;15(11):759–67

Multiplicity of receptors for vasoactive intestinal polypeptide (VIP): differential effects of apamin on binding in brain, uterus and liver. Fahrenkrug J, et al. **Peptides (Fayetteville)** 1983 Mar–Apr;4(2):133–6

The effect of venom from the Indian tropical wasp Vespa tropica on nerve–muscle preparations from Drosophila larvae. Gawade SP. **Toxicon** 1983;21(6):882–6

[Release of 14C–acetylcholine from synaptosomes as affected by presynaptic neurotoxins from bee and cobra venoms—phospholipases A2] Terletskaia IaT, et al. **Biokhimiia** 1983 Nov;48(11):1799–803 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Rush venom immunotherapy: a 3-day programme for hymenoptera sting allergy. Nataf P, et al. **Clin Allergy** 1984 May;14(3):269–75

The development of negative skin tests in children treated with venom immunotherapy. Graft DF, et al. **J Allergy Clin Immunol** 1984 Jan;73(1 Pt 1):61–8

Insect venom allergy: diagnosis and treatment. Valentine MD. **J Allergy Clin Immunol** 1984 Mar;73(3):299–304 (32 ref.)

Bee venom immunotherapy and bee sting mortality in Australia [letter] Ford RM. **Med J Aust** 1984 Apr 28; 140(9):563–4

TOXICITY

The Ca2+–dependent slow K+ conductance in cultured rat muscle cells: characterization with apamin. Hugues M, et al. **EMBO J** 1982;1(9):1039–42

Comparison of the biochemical, immunologic and allergenic properties of vespid venoms collected in early and late summer. Reisman RE, et al. **Toxicon** 1984;22(1):148–53

Lethal potency in mice of toxins from scorpion, sea anemone, snake and bee venoms following intraperitoneal and intracisternal injection. Schweitz H. **Toxicon** 1984; 22(2):308–11

[Action of the mastoparan from hornet venom on mitochondria] Sholʹts KF, et al. **Dokl Akad Nauk SSSR** 1983;273(3):747–50 **(Rus)**

BEER

The effect of beer ingestion on plasma and urine uric acid in gout and normouricaemic subjects. Rodgers AV, et al. **Adv Exp Med Biol** 1984;165 Pt A:327–31

In vitro effects of a beer–foam stabilizer on the activities of three pancreatic hydrolases. Uwaifo AO. **Afr J Med Med Sci** 1983 Sep–Dec;12(3–4):183–6

New wines and beers of native North America. Feest CF. **J Ethnopharmacol** 1983 Dec;9(2–3):329–35

The attempted enrichment of beer with thiamine alkyl disulphides. Crane S, et al. **J Nutr Sci Vitaminol (Tokyo)** 1983 Jun;29(3):381–7

Discriminability of regular, light, and alcoholic and nonalcoholic near beer. Cox WM, et al. **J Stud Alcohol** 1983 May;44(3):494–8

Beer drinking and the risk of rectal cancer. **Nutr Rev** 1984 Jul;42(7):244–7 (14 ref.)

Bladder beer—a new clinical observation. Mulholland JH, et al. **Trans Am Clin Climatol Assoc** 1983;95:34–9

ADVERSE EFFECTS

Beer drinking and its effect on uric acid. Gibson T, et al. **Br J Rheumatol** 1984 Aug;23(3):203–9

[Gastrointestinal disorder in combination with beer drinking as a cause of hyponatremia?] Henning R, et al. **Lakartidningen** 1983 Nov 30;80(48):4685–6 **(Swe)**

ANALYSIS

II.3.e Determination of volatile nitrosamines in beer and other alcoholic beverages using a cellulose extraction cartridge. Fine DH. **IARC Sci Publ** 1983;45:143–8

II.3.f Distillation method for determination of NDMA in beer and ale. Sen NP. **IARC Sci Publ** 1983;45:149–61

II.3.a Analysis of malt and malt–based beverages: general aspects. Spiegelhalder B. **IARC Sci Publ** 1983;45:103–13

II.3.d Volatile N–nitrosamines in beer and other beverages by direct extraction using a kieselguhr column. Spiegelhalder B, et al. **IARC Sci Publ** 1983;45:135–42

Aflatoxin B1 in native millet beer brewed in Jos suburbs [letter] Okoye ZS, et al. **Trans R Soc Trop Med Hyg** 1984; 78(3):417–8

[Study of antimony in surface waters and beverages] Bigazzi Grasso C, et al. **Nuovi Ann Ig Microbiol** 1982 Mar–Jun; 33(2–3):295–300 (Eng. Abstr.) **(Ita)**

[N–nitrosamines in beer] Karłowski K, et al. **Rocz Panstw Zakl Hig** 1983;34(2):197–201 (Eng. Abstr.) **(Pol)**

[Concentration of iron, zinc, tin, copper, lead and arsenic in Polish beers] Kędzierski B. **Rocz Panstw Zakl Hig** 1983; 34(5–6):475–80 (Eng. Abstr.) **(Pol)**

[Determination of iron, zinc, tin, copper, lead and arsenic levels in beer by atomic–absorption spectrophotometry] Kędzierski B. **Rocz Panstw Zakl Hig** 1983;34(4):369–75 (Eng. Abstr.) **(Pol)**

BEES

see related
HONEY

Insect sting anaphylaxis and beta–adrenergic blockade: a relative contraindication. Awai LE, et al. **Ann Allergy** 1984 Jul;53(1):48–9

Bee–sting anaphylaxis: the use of medical antishock trousers. Oertel T, et al. **Ann Emerg Med** 1984 Jun;13(6):459–61

Bee sting of the cornea. Singh G. **Ann Ophthalmol** 1984 Apr; 16(4):320–2

Occupational dermatitis in a bee–keeper. Melli MC, et al. **Contact Dermatitis** 1983 Sep;9(5):427–8

Contact dermatitis due to honeybee royal jelly. Takahashi M, et al. **Contact Dermatitis** 1983 Nov;9(6):452–5

Postscript to bee stings: delayed 'serum sickness'. Lichtenstein LM, et al. **Hosp Pract** 1983 Dec;18(12):36, 40, 40A, passim

The overlearning–extinction effect and successive negative contrast in honeybees (Apis mellifera). Couvillon PA, et al. **J Comp Psychol** 1984 Mar;98(1):100–9

Composition and protein quality of honeybee–collected pollen of Eucalyptus marginata and Eucalyptus calophylla. Bell RR, et al. **J Nutr** 1983 Dec;113(12):2479–84

Epinephrine for treatment of anaphylactic shock. Barach EM, et al. **JAMA** 1984 Apr 27;251(16):2118–22

Bee venom immunotherapy and bee–sting mortality in Australia [letter] Ford RM. **Med J Aust** 1984 Apr 28; 140(9):563–4

Bee–sting mortality in Australia. Harvey P, et al. **Med J Aust** 1984 Feb 18;140(4):209–11

Bee venom immunotherapy [letter] Mocatta F. **Med J Aust** 1984 Feb 18;140(4):244

Danger on the Los Angeles freeway [letter] Forthal DN, et al. **N Engl J Med** 1984 Jul 26;311(4):263

Yellow rain: Thai bees' faeces found [news] Earl C. **Nature** 1984 Apr 5–11;308(5959):485

Meat tenderizer and bee stings [letter] Cardoni AA, et al. **Pediatrics** 1984 Sep;74(3):447–8

Blepharochalasis after a bee sting. Finney JL, et al. **Plast Reconstr Surg** 1984 May;73(5):830–2

Opinions regarding the advantages of the solution of some public health problems through therapy with natural products based on apiarian pollen. Daghie V, et al. **Sante Publique (Bucur)** 1983;26(4):347–60

[Varroatosis; a zootechnical control system? (letter)] **Tijdschr Diergeneeskd** 1984 Jun 15;109(12):522–3 **(Dut)**

[Fatal envenomation by multiple bee stings (Apis mellifera L.)] Moret C, et al. **Rev Med Liege** 1983 Nov 1; 38(21):815–22 **(Fre)**

[IgG4 antibody response to phospholipase A in bee keepers] Takaishi T, et al. **Arerugi** 1983 Nov;32(11):1106–12 (Eng. Abstr.) **(Jpn)**

[Use of bee–raising products in dentistry] Troianskiĭ IV, et al. **Stomatologiia (Mosk)** 1983 Jul–Aug;62(4):80–2 (58 ref.) **(Rus)**

[Use of apiculture products in neurology (review)] Agafonov BV, et al. **Zh Nevropatol Psikhiatr** 1983;83(12):1866–9 (44 ref.) **(Rus)**

[Diffuse immunoblastic reaction following a bee sting (report of a case)] Heras AS, et al. **Alergia** 1983 Jul;30(3):129–34 (Eng. Abstr.) **(Spa)**

[Severe complications caused by multiple bee stings (letter)] Bouza C, et al. **Med Clin (Barc)** 1984 Jun 9;83(2):88 **(Spa)**

[Acute renal failure associated with non–traumatic rhabdomyolysis caused by multiple bee stings (letter)] García Martín F, et al. **Med Clin (Barc)** 1984 Jun 9; 83(2):87–8 **(Spa)**

ANATOMY & HISTOLOGY

The first optic ganglion of the bee. V. Structural and functional characterization of centrifugally arranged interneurones. Ribi WA. **Cell Tissue Res** 1984;236(3):577–84

The coelocapitular sensillum, an antennal hygro– and thermoreceptive sensillum of the honey bee, Apis mellifera L. Yokohari F. **Cell Tissue Res** 1983;233(2):355–65

DRUG EFFECTS

The stinging response of the honeybee: effects of morphine, naloxone and some opioid peptides. Núñez J, et al. **Pharmacol Biochem Behav** 1983 Dec;19(16):921–4

ENZYMOLOGY

Esterase isozymes of Apis mellifera: substrate and inhibition characteristics, developmental ontogeny, and electrophoretic variability. Bitondi MM, et al. **Biochem Genet** 1983 Oct;21(9–10):985–1002

GENETICS

Population structure and Mdh–1 locus variation in Apis mellifera ligustica. Badino G, et al. **J Hered** 1983 Nov–Dec; 74(6):443–6

Effect of mutant genes with a known biochemical effect on rate of formation of motor conditioned reflexes in honeybees. Chesnokova EG, et al. **Neurosci Behav Physiol** 1983 Jan–Feb;13(1):72–5

METABOLISM

Simultaneous determination of juvenile hormone and ecdysteroid titers in the hemolymph of bumblebee prepupae (Bombus hypnorum and B. terrestris). Strambi A, et al. **Gen Comp Endocrinol** 1984 Jul;55(1):83–8

Serotonin–immunoreactive neurons in the brain of the honeybee. Schürmann FW, et al. **J Comp Neurol** 1984 Jun 1;225(4):570–80

A glyoxylic acid method for the localization of catecholamines in insect nervous systems. Mobbs PG, et al. **Stain Technol** 1984 Jan;59(1):58–61

MICROBIOLOGY

Pathogenicity of Spiroplasma apis and other spiroplasmas for honey–bees in southwestern France. Mouches C, et al. **Ann Microbiol (Paris)** 1984 Jan–Feb;135A(1):151–5

Spiroplasma apis, a new species from the honey–bee Apis mellifera. Mouches C, et al. **Ann Microbiol (Paris)** 1983 May–Jun;134(3):383–97

PARASITOLOGY

[Varroatosis. A zootechnical system of control] Potjer A, et al. **Tijdschr Diergeneeskd** 1984 Jan 15;109(2):55–7 (Eng. Abstr.) **(Dut)**

[Current studies of the efficacy and tolerance of the modified Krämer method using formic acid absorbing sheets for varroatosis control] Wachendörfer G, et al. **DTW** 1984 May 7;91(5):189–93 (Eng. Abstr.) **(Ger)**

[Bee mite: Varroa jacobsoni qudemans] Ozer N, et al. **Mikrobiyol Bul** 1983 Jul;17(3):208–10 (Eng. Abstr.) **(Tur)**

PHYSIOLOGY

Exocrine secretions of bees—VII. Aliphatic esters in the Dufour's gland secretion of Svastra obliqua obliqua (Hymenoptera: Anthophoridae). Duffield RM, et al. **Comp Biochem Physiol [B]** 1984;78(1):47–50

Age and oxygen toxicity related fluorescence in the honey bee thorax. Young RG, et al. **Exp Gerontol** 1983;18(6):471–5

Microspectrophotometry of single rhabdoms in the retina of the honeybee drone (Apis mellifera male). Muri RB, et al. **J Gen Physiol** 1983 Oct;82(4):469–96

Effects of extracellular calcium and of light adaptation on the response to dim light in honey bee drone photoreceptors. Raggenbass M. **J Physiol (Lond)** 1983 Nov; 344:525–48

Role of cross–bridge distortion in the small–signal mechanical dynamics of insect and rabbit striated muscle. Thorson J, et al. **J Physiol (Lond)** 1983 Oct;343:59–84

Yellow rain—a palynological analysis [editorial] Nowicke JW, et al. **Nature** 1984 May 17–23;309(5965):205–6

Neurobiology of learning and memory: the honeybee as a model system. Menzel R. **Naturwissenschaften** 1983 Oct; 70(10):504–11

Light–induced changes in extracellular volume in the retina of the drone, Apis mellifera. Orkand RK, et al. **Neurosci Lett** 1984 Apr 6;45(3):273–8

BEETLES

Papular urticaria caused by Dermestes maculatus Degeer. Rustin MH, et al. **Clin Exp Dermatol** 1984 May;9(3):317–21

ANALYSIS

Purification and characterization of a lectin from the beetle, Allomyrina dichotoma. Umetsu K, et al. **J Biochem (Tokyo)** 1984 Jan;95(1):239–45

ANATOMY & HISTOLOGY

Innervation of the corpus allatum in the Colorado potato beetle as revealed by retrograde diffusion with horseradish peroxidase. Khan MA, et al. **Gen Comp Endocrinol** 1984 Jul;55(1):66–73

ENZYMOLOGY

Some biochemical aspects of phosphine action and resistance in three species of stored product beetles. Price NR, et al. **Comp Biochem Physiol [C]** 1983;76(2):277–81

GENETICS

Linkage relationships among the malic enzyme, hexokinase–1, and red loci on the X chromosome of Tribolium confusum. Dawson PS, et al. **Biochem Genet** 1983 Aug;21(7–8):661–5

PARASITOLOGY

Effects of Onthophagus gazella F (Coleoptera: Scarabaeidae) on free–living strongyloids of equids. Houston RS, et al. **Am J Vet Res** 1984 Mar;45(3):572–4

[Weight variations of adipose tissue and ovaries and variations in the length of ovocytes in Ips sexdentatus Boern (Coleoptera: Scolytidae); relation to parasitism by nematodes] Lieutier F. **Ann Parasitol Hum Comp** 1982; 57(4):407–18 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Movement of food through the gut of Catharsius molossus (Coleoptera: Scarabaeidae). Upadhyay VB. **Acta Physiol Hung** 1983;61(3):185–9

Immunocytochemical localization of neurons in the nervous system of the Colorado potato beetle with antisera against

FMRFamide and bovine pancreatic polypeptide. Veenstra JA, et al. **Cell Tissue Res** 1984;235(2):303–8
The relative importance of nervous and humoral pathways for control of corpus allatum activity in the adult Colorado potato beetle, Leptinotarsa decemlineata (Say). Khan MA, et al. **Gen Comp Endocrinol** 1983 Nov;52(2):214–21
Immunocytochemical localization of peptidergic cells in the neuro–endocrine system of the Colorado potato beetle, Leptinotarsa decemlineata, with antisera against vasopressin, vasotocin and oxytocin. Veenstra JA, et al. **Histochemistry** 1984;81(1):29–34

ULTRASTRUCTURE

Extraocular photoreceptors in the brain of Epilachna varivestis (Coleoptera, Coccinellidae). Schulz WD, et al. **Cell Tissue Res** 1984;236(2):317–20

BEGGIATOACEAE

Beggiatoa, Thiothrix, and Thioploca. Larkin JM, et al. **Annu Rev Microbiol** 1983;37:341–67 (131 ref.)

BEHAVIOR

see related

GENETICS, BEHAVIORAL

Alteration of type A behavior and reduction in cardiac recurrences in postmyocardial infarction patients. Friedman M, et al. **Am Heart J** 1984 Aug;108(2):237–48
Behaving appropriately in new situations: a stimulus class analysis. Spradlin JE, et al. **Am J Ment Defic** 1984 Mar; 88(5):574–9
Occupational behavior and life satisfaction among retirees. Gregory MD. **Am J Occup Ther** 1983 Aug;37(8):548–53
Type A behavior: epidemiologic foundations and public health implications. Siegel JM. **Annu Rev Public Health** 1984;5:343–67 (121 ref.)
Evaluating the degree of concordance between employers' evaluations of work behavior. Rusch FR. **Appl Res Ment Retard** 1983;4(2):95–102
The behavior inventory for rating development (BIRD): assessments of reliability and factorial validity. Sparrow SS, et al. **Appl Res Ment Retard** 1984;5(2):219–31
Measuring functional impairment associated with pain: psychometric analysis of an exploratory scoring protocol for activity pattern indicators. Rock DL, et al. **Arch Phys Med Rehabil** 1984 Jun;65(6):295–300
Failure of hemodialysis to diminish psychotic behavior in schizophrenia: behavioral and psychophysiological evaluation. van Kammen DP, et al. **Artif Organs** 1983 Aug; 7(3):310–6
Brain damage and recovery: problems and perspectives. Stein DG, et al. **Behav Neural Biol** 1983 Mar;37(2):185–222 (193 ref.)
A preliminary report on the nature of interactions in a mental–handicap institution. Cullen C, et al. **Behav Res Ther** 1983;21(5):579–83 (11 ref.)
L. D. Pankey consultant in London. Gordon E. **Br Dent J** 1983 Oct 22;155(8):281
Effect of hemispherectomy in infantile hemiplegics. Strauss E, et al. **Brain Lang** 1983 Sep;20(1):1–11
A survey of dental knowledge, attitudes and behavior of expectant parents. Lee AJ. **Can Dent Assoc J** 1984 Feb; 50(2):145–6
Behaviours that indicate memory: levels of expression. Spear NE. **Can J Psychol** 1984 Jun;38(2):348–67
Stress and the heart—behavioral interaction and plan for strategy. Sinatra ST. **Conn Med** 1984 Feb;48(2):81–6
Eye–pressing by visually impaired children. Jan JE, et al. **Dev Med Child Neurol** 1983 Dec;25(6):755–62
The behavior of jaundiced infants treated with phototherapy. Paludetto R, et al. **Early Hum Dev** 1983 Oct;8(3–4):259–67
Interictal behavioral changes in epilepsy. Geschwind N. **Epilepsia** 1983;24 Suppl 1:S23–30
Epilepsy, personality, behavior and psychopathology—the state of the evidence and directions for future research and treatment. Stevens JR. **Folia Psychiatr Neurol Jpn** 1983; 37(3):203–16
Profiling the shopping behavior of elderly consumers. Mason JB, et al. **Gerontologist** 1978 Oct;18(5 Pt 1):454–61
Age–related changing levels of voting turnout across time. Rollenhagen RE. **Gerontologist** 1984 Apr;24(2):205–7
The behavioral effects of noise on man: the patient with 'intensive care unit psychosis'. Hansell HN. **Heart Lung** 1984 Jan;13(1):59–65
Recognizing and managing the adolescent with Kleine–Levin syndrome. Waller DA, et al. **J Adolesc Health Care** 1984 Apr;5(2):139–41
The affective domain: behaviors important in entry–level practice. Bedford MR. **J Am Diet Assoc** 1984 Jun; 84(6):670–4
Behavioral and content components of the structured interview assessment of the Type A behavior pattern in women. Anderson JR, et al. **J Behav Med** 1983 Jun; 6(2):123–34
The behavioral sequelae of head injury. McLean A Jr, et al. **J Clin Neuropsychol** 1983 Dec;5(4):361–76
Fetal physiology and behaviour: changing direction 1954–1983. Dawes GS. **J Dev Physiol** 1984 Jun;6(3):259–65
Type A behavior and achievement of freshman medical students. Wolf TM, et al. **J Med Educ** 1983 Oct; 58(10):820–2
Research strategies for assessing the behavioral effects of food and nutrients. Introduction. Wurtman RJ. **J Psychiatr Res** 1982–83;17(2):103–5 (8 ref.)
'Frustration—anxiety behaviour as a function of leprosy patients age and personality'. Chauhan NS, et al. **Lepr India** 1983 Oct;55(4):743–51
Behavioral assessment in youth sports: coaching behaviors and children's attitudes. Smith RE, et al. **Med Sci Sports Exerc** 1983;15(3):208–14
Behavioral risk–factor prevalence survey—United States, fourth quarter 1982. **MMWR** 1984 May 11;33(18):247–9
Behavioral risk factor surveillance, 1981–1983. Bradstock MK, et al. **MMWR CDC Surveill Summ** 1984; 33(1):1SS–4SS
Ligand–binding studies on GABA receptors—relation to physiology and behavior. DeFeudis FV. **Neurochem Res** 1984 Mar;9(3):405–12
A comparison of perceptions of problematic behavior by six minority groups and mental health professionals. Flaskerud JH. **Nurs Res** 1984 Jul–Aug;33(4):190–7
Endogenous opiates: 1982. Olson GA, et al. **Peptides (Fayetteville)** 1983 Jul–Aug;4(4):563–76 (220 ref.)
Effect of meditation training on aspects of coronary–prone behavior. Muskatel N, et al. **Percept Mot Skills** 1984 Apr; 58(2):515–8
Determinants of puff duration in cigarette smokers: I. Nemeth–Coslett R, et al. **Pharmacol Biochem Behav** 1984 Jun;20(6):965–71
Behavior, the environment, and the health of the individual. Brady JP. **Prev Med** 1983 Sep;12(5):600–9
Behavioral phenotypes. Eaker ED. **Prog Clin Biol Res** 1984; 147:481–98
Affective, behavioral, and avoidance responses on the visual cliff: effects of crawling onset age, crawling experience, and testing age. Richards JE, et al. **Psychophysiology** 1983 Nov;20(6):633–41
On downward causation in biological and behavioural systems. Petersen AF. **Pubbl Stn Zool Napoli [II]** 1983; 5(1):69–86
The social desirability of preventive health behavior. Kristiansen CM, et al. **Public Health Rep** 1984 Jul–Aug; 99(4):384–8
The A type behaviour pattern, mental health and health locus of control beliefs. Furnham A. **Soc Sci Med** 1983; 17(20):1569–72
[Development of the nervous system] **Cesk Fysiol** 1983; 32(6):559–68 **(Cze)**
[Aspects of formulating standards of a healthy life style] Novák Z. **Cesk Zdrav** 1983 Nov;31(11):456–61 (Eng. Abstr.) **(Cze)**
[The incidence and significance of psychophysiologic indicators in ischemic heart disease] Mach J, et al. **Vnitr Lek** 1983 Aug;29(8):731–7 (Eng. Abstr.) **(Cze)**
[Prenatal risk factors. Pregnant women's awareness of these and their behavior] Coolidge JS. **Ugeskr Laeger** 1984 Jan 16;146(3):218–22 (Eng. Abstr.) **(Dan)**
[Clinical picture and behavior of 40–year long–term students in clinics and schools for the handicapped—impressions and experiences of a special school teacher. Also a contribution to the history of pediatrics and special pedagogy] Bescherer J. **Arztl Jugendkd** 1984 Apr; 75(2):88–102 (Eng. Abstr.) **(Ger)**
[Sanctions for risk behavior – solution or nonsense?] Atteslander P. **Off Gesundheitswes** 1983 Oct;45 Suppl 1:49–56 **(Ger)**
[Risk behavior and health] Gostomzyk JG. **Off Gesundheitswes** 1983 Oct;45 Suppl 1:1–3 **(Ger)**
[Risk behavior from a constitutional, social, and sociopolitico–legal perspective] Merten D. **Off Gesundheitswes** 1983 Oct;45 Suppl 1:57–66 **(Ger)**
[Risk behavior from an occupational medico–legal perspective] Mummenhoff W. **Off Gesundheitswes** 1983 Oct;45 Suppl 1:67–76 **(Ger)**
[Individual health–damaging behavior—extent and importance] Thürauf J. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1984 Jan; 178(5–6):417–31 (Eng. Abstr.) **(Ger)**
[Various characteristics of persons with behavior–related risk of ischemic heart disease] Baubinene AV, et al. **Kardiologiia** 1984 Feb;24(2):76–9 (Eng. Abstr.) **(Rus)**
[Determinants of human behavior are applicable in psychosomatic medicine] Horský A, et al. **Cesk Gynekol** 1983 Nov;48(9):690–4 **(Slo)**
[A minimum of welfare, mental development, behavior and learning] Cravioto J. **Bol Med Hosp Infant Mex** 1983 Aug; 40 Suppl 2:11–3 **(Spa)**

DRUG EFFECTS

Behavioral responses to amphetamines in identical twins. Crabbe JC, et al. **Acta Genet Med Gemellol (Roma)** 1983; 32(2):139–49
Environmental toxins and behavioral development. A new role for psychological research. Fein GG, et al. **Am Psychol** 1983 Nov;38(11):1188–97
Behavioral toxicology and environmental health science. Opportunity and challenge for psychology. Weiss B. **Am Psychol** 1983 Nov;38(11):1174–87 (76 ref.)
Resumption of behavior following intracarotid sodium amobarbital injection. Rausch R, et al. **Ann Neurol** 1984 Jan;15(1):31–5
Neurobehavioral techniques to assess the effects of chemicals on the nervous system. Tilson HA, et al. **Annu Rev Pharmacol Toxicol** 1984;24:425–50 (127 ref.)
Obstetric analgesia: pharmacokinetics and its relation to neonatal behavioral and adaptive functions. Kanto J, et al. **Biol Res Pregnancy Perinatol** 1984;5(1):23–35 (94 ref.)
Electroencephalographic and behavioral correlates of buprenorphine administration. Lukas SE, et al. **Clin Pharmacol Ther** 1984 Jul;36(1):127–32
Effects of neurotoxic agents on behavior. Johnson BL. **Dev Toxicol Environ Sci** 1983;11:105–12 (15 ref.)
Differential structural effects of three behavioral teratogens. Rodier PM. **Dev Toxicol Environ Sci** 1983;11:53–60
Fetal drug exposure–behavioral teratogenesis. Gal P, et al. **Drug Intell Clin Pharm** 1984 Mar;18(3):186–201 (212 ref.)
Anticonvulsant drugs, cognitive function, and behavior. Trimble MR, et al. **Epilepsia** 1983;24 Suppl 1:S55–63
Formaldehyde—a psychopharmacologic agent? [editorial] Wagner BM. **Hum Pathol** 1984 Feb;15(2):101
Behavioral and molecular actions of caffeine: focus on adenosine. Snyder SH, et al. **J Psychiatr Res** 1984; 18(2):91–106
Neuropsychiatric manifestations of human leukocyte interferon therapy in patients with cancer. Adams F, et al. **JAMA** 1984 Aug 17;252(7):938–41
Pergolide therapy for Parkinson's disease: neurobehavioral changes. Stern Y, et al. **Neurology (NY)** 1984 Feb; 34(2):201–4
Behavioral effects of vasopressin. Fehm–Wolfsdorf G, et al. **Neuropsychobiology** 1984;11(1):49–53
Behavioral effects of carbamazepine after single and repeated administration in emotionally labile subjects. Janke W, et al. **Neuropsychobiology** 1983;10(4):217–27
Effects of DSIP in man. Multifunctional psychophysiological properties besides induction of natural sleep. Schneider–Helmert D, et al. **Neuropsychobiology** 1983; 9(4):197–206
Behavioral effects of hypothalamic hypophysiotropic hormones, neurotensin, substance P and other neuropeptides. Nemeroff CB, et al. **Pharmacol Ther** 1984; 24(1):1–56
[A new bioclinical approach in psychiatry. Stereotyped behavior, psychic and behavioral disorganization, and amphetamines] Marchais P, et al. **Ann Med Psychol (Paris)** 1983 Jul–Aug;141(7):758–70 **(Fre)**

PHYSIOLOGY

Experimental and clinical study of higher nervous functions. 19th Czechoslovak Interdisciplinary Conference, Piešťany, 11–14 October 1982. Abstracts. **Act Nerv Super (Praha)** 1983 Sep;25(3):163–239
Regulation of breathing in the newborn during different behavioral states. Read DJ, et al. **Annu Rev Physiol** 1984; 46:675–85 (62 ref.)
Modification of reflex regulation of blood pressure by behavior. Stephenson RB. **Annu Rev Physiol** 1984; 46:133–42 (61 ref.)
Quantification of behavior. Simms JR. **Behav Sci** 1983 Oct; 28(4):274–83
Food consumption, neurotransmitter synthesis, and human behaviour. Wurtman RJ. **Experientia [Suppl]** 1983; 44:356–69 (16 ref.)
The effects of cerebrovascular surgery on behavior: what has been demonstrated? Binder LM. **Henry Ford Hosp Med J** 1983;31(3):145–9
Carotid artery disease, carotid endarterectomy, and behavior: a critical appraisal. Kelly MP. **Henry Ford Hosp Med J** 1983;31(3):137–44 (23 ref.)
Psychobiology of opioids. Oliverio A, et al. **Int Rev Neurobiol** 1984;25:277–337
Behavioral effects of vagotomy in humans. Kral JG. **J Auton Nerv Syst** 1983 Oct;9(1):273–81
Convergent validity of type A behavior pattern scales and their ability to predict physiological responsiveness in a sample of female public employees. Mayes BT, et al. **J Behav Med** 1984 Mar;7(1):83–108
The brain as a dependent variable. Bakker DJ. **J Clin Neuropsychol** 1984 Feb;6(1):1–16
Behavior and anxiety: physiologic mechanisms. Lader M. **J Clin Psychiatry** 1983 Nov;44(11 Pt 2):5–11
The behavioural state in human perinatal life. Casaer P, et al. **J Dev Physiol** 1984 Jun;6(3):187–94
The limbic system and behavior. Byers VL, et al. **J Neurosurg Nurs** 1984 Apr;16(2):80–3
Marital interaction: physiological linkage and affective exchange. Levenson RW, et al. **J Pers Soc Psychol** 1983 Sep;45(3):587–97
The socio–political context of food—behavior research. Cooney TE. **J Psychiatr Res** 1982–83;17(2):227–30 (6 ref.)
Comments on some major methodologic issues affecting analysis of the behavioral effects of foods and nutrients. Dews PB. **J Psychiatr Res** 1982–83;17(2):223–5 (1 ref.)
Nutrients and behaviour: research strategies for the investigation of taste characteristics, food preferences, hunger sensations and eating patterns in man. Hill AJ, et al. **J Psychiatr Res** 1982–83;17(2):203–12 (67 ref.)
The type A behaviour pattern and physique. Kraiuhin C, et al. **J Psychosom Res** 1983;27(6):479–83
Brain, behaviour and the immune system [letter] Schleifer SJ, et al. **Nature** 1984 Aug 9–15;310(5977):456
Cursive and cursing epilepsy [letter] Drake ME Jr. **Neurology (NY)** 1984 Feb;34(2):267
Interaction of dominant focus and conditional reflex as a

functional unit of behavior organization. Simonov PV. **Pavlov J Biol Sci** 1983 Oct–Dec;18(4):171–4
Behavioral control of respiration in sleep. Badia P, et al. **Psychophysiology** 1984 Sep;21(5):494–500
Cardiovascular effects of mental arithmetic in Type A and Type B females. Lane JD, et al. **Psychophysiology** 1984 Jan;21(1):39–46
Heart rate change in Type A and Type B males as a function of response cost and task difficulty. Perkins KA. **Psychophysiology** 1984 Jan;21(1):14–21
Effects of behavioral control and type A behavior on cardiovascular responses. van Schijndel M, et al. **Psychophysiology** 1984 Sep;21(5):501–9
Cigarette smoking: example of behavioral regulation of physiological homeostasis? [letter] Bowers EJ, et al. **Public Health Rep** 1984 Mar–Apr;99(2):108–10
[Occupational stress, type A behavior and modification of arterial pressure] Kornitzer M, et al. **Rev Med Brux** 1983 Dec;4(10):667–74 (Eng. Abstr.) **(Fre)**
[Estrogens and the psyche] Kopera H. **Wien Klin Wochenschr** 1984 Jun 8;96(12):456–62 (Eng. Abstr.) **(Ger)**
[Boron contact dentography—a new method for the objective recording of patient behavior at various stages in dental treatment] Svishcheva AM, et al. **Stomatologiia (Mosk)** 1983 Nov–Dec;62(6):24–6 (Eng. Abstr.) **(Rus)**
[Interaction of the dominant and conditioned reflex as a functional unit of behavioral organization] Simonov PV. **Usp Fiziol Nauk** 1983 Jul–Sep;14(3):14–23 (59 ref.) **(Rus)**

BEHAVIOR, ADOLESCENT see **ADOLESCENT BEHAVIOR**

BEHAVIOR, ANIMAL

Different behaviour patterns of mother–infant interaction. Bappenheim JT, et al. **Acta Anthropogenet** 1983;7(1):13–25
Intracerebral grafting of neuronal cell suspensions. IV. Behavioural recovery in rats with unilateral 6–OHDA lesions following implantation of nigral cell suspensions in different forebrain sites. Dunnett SB, et al. **Acta Physiol Scand [Suppl]** 1983;522:29–37
Intracerebral grafting of neuronal cell suspensions. V. Behavioural recovery in rats with bilateral 6–OHDA lesions following implantation of nigral cell suspensions. Dunnett SB, et al. **Acta Physiol Scand [Suppl]** 1983; 522:39–47
Tail raising by baboon mothers toward immigrant males. Busse CD. **Am J Phys Anthropol** 1984 Jul;64(3):255–62
Lateralization of function in rats. Denenberg VH. **Am J Physiol** 1983 Oct;245(4):R505–9
Physiologic and behavioral evaluation of CO euthanasia of adult dogs. Chalifoux A, et al. **Am J Vet Res** 1983 Dec; 44(12):2412–7
Experimental toxocariasis in mice and its effect on their behaviour. Hay J, et al. **Ann Trop Med Parasitol** 1984 Apr; 78(2):145–55
The effect of congenital and adult-acquired Toxoplasma infections on activity and responsiveness to novel stimulation in mice. Hay J, et al. **Ann Trop Med Parasitol** 1983 Oct;77(5):483–95
The effect of Toxocara canis infection on the behaviour of mice. Hay J, et al. **Ann Trop Med Parasitol** 1983 Oct; 77(5):543–4
Conditions of illumination during rearing affect specific components of phototactic behavior of laboratory-reared Herminsenda. Crow T, et al. **Behav Brain Res** 1984 Apr; 12(1):81–5
Using the triple test cross to investigate the genetics of behavior in wild populations. III. Activity and reactivity. Hewitt JK, et al. **Behav Genet** 1984 Mar;14(2):125–35
Behavioral studies in spontaneously hypertensive rats. Danysz W, et al. **Behav Neural Biol** 1983 Sep;39(1):22–9
Behavioral patterns of Aplysia fasciata along the Mediterranean coast of Israel. Susswein AJ, et al. **Behav Neural Biol** 1984 May;41(1):7–22
A quantitative assessment of the effects of malnutrition on behavioral development in laboratory mice. Wainwright P, et al. **Behav Neural Biol** 1983 Sep;39(1):140–4
Behavioral studies with mice exposed to DC and 60–Hz magnetic fields. Davis HP, et al. **Bioelectromagnetics** 1984; 5(2):147–64
Optimization of Brownian search strategies. Hoffmann G. **Biol Cybern** 1983;49(1):21–31
Effects of vision–restricting 'polypeepers' on the behaviour of laying hens during adaptation, feeding, on general activity, agonistic behaviour and pecking damage. Arbi A, et al. **Br Poult Sci** 1983 Jul;24(3):371–81
A behavioral and 2–deoxyglucose autoradiographic study of the effects of cumulative morphine dose on naloxone precipitated withdrawal in the rat. Geary WA 2d, et al. **Brain Res** 1983 Sep 19;275(1):117–26
Prefrontal cortex and bulbar reticular formation and behavioral inhibition in the rat. Wilcott RC. **Brain Res Bull** 1984 Jan;12(1):63–9
An inexpensive event recorder for continuous behavioral recording. Schmidek WR, et al. **Braz J Med Biol Res** 1983 Jul;16(2):161–4
Effects of housing conditions on three behavioral tests in rats. Xavier GF, et al. **Braz J Med Biol Res** 1983 Apr; 16(1):65–71
Continuous–time Markov chains as models for animal behaviour. Metz HA, et al. **Bull Math Biol** 1983; 45(4):643–58
Mother–infant visual interaction in Japanese macaques. Ehardt CL, et al. **Dev Psychobiol** 1984 Jul;17(4):391–405
The role of body size in climbing and locomotor behavior of protein–malnourished and well–nourished rats. Hall RD. **Dev Psychobiol** 1984 Jan;17(1):91–106
Maternal discrimination of pup sex in rats. Richmond G, et al. **Dev Psychobiol** 1984 Jan;17(1):87–9
Biological effects of small air ions: a review of findings and methods. Charry JM. **Environ Res** 1984 Aug;34(2):351–89 (77 ref.)
Observational study of 'urine testing' in the horse and donkey stallion. Lindsay FE, et al. **Equine Vet J** 1983 Oct; 15(4):330–6
Behavioral comparison of aged virgin and retired breeder mice [letter] Ingram DK, et al. **Exp Aging Res** 1983 Summer;9(2):111–3
A non–cholinergic function for acetylcholinesterase in the substantia nigra: behavioural evidence. Greenfield SA, et al. **Exp Brain Res** 1984;54(3):513–20
Behavioral alterations associated with generalized spike and wave discharges in the EEG of the cat. Taylor–Courval D, et al. **Exp Neurol** 1984 Jan;83(1):167–86
Effects of testosterone upon the chest–rubbing behavior of Galago crassicaudatus umbrosus. Bullard SC. **Folia Primatol (Basel)** 1984;42(1):70–5
Monozygotic vs. dizygotic twin behavior in artificial mouse twins. Baunack E, et al. **Genetics** 1984 Mar;106(3):463–77
The behavioral effects of lesions of the hippocampus: a review. Chozick BS. **Int J Neurosci** 1983 Dec; 22(1–2):63–80 (88 ref.)
Stray voltage on Michigan dairy farms. Kirk JH, et al. **J Am Vet Med Assoc** 1984 Aug 15;185(4):426–8
Modified Forssell's operation for crib biting in the horse. Turner AS, et al. **J Am Vet Med Assoc** 1984 Feb 1; 184(3):309–12
Diurnal behavior patterns of feedlot bulls during winter and spring in northern latitudes. Gonyou HW, et al. **J Anim Sci** 1984 May;58(5):1075–83
Measurements of the behavioral effects of albino mutation in mice (Mus musculus): comparisons of coisogenic inbred and hybrid lines. Lassalle JM, et al. **J Comp Psychol** 1983 Dec;97(4):353–7
Weather and shade effects on cow corral activities. Shultz TA. **J Dairy Sci** 1984 Apr;67(4):868–73
Effect of artificial photoperiod on eating behavior and other behavioral observations of dairy cows. Tanida H, et al. **J Dairy Sci** 1984 Mar;67(3):585–91
Induction by reinforcer schedules. Cohen PS, et al. **J Exp Anal Behav** 1984 May;41(3):345–53
The evolution of behavior. Skinner BF. **J Exp Anal Behav** 1984 Mar;41(2):217–21
Crayfish extraretinal photoreception. I. Behavioral and motorneuronal responses to abdominal illumination. Edwards DH Jr. **J Exp Biol** 1984 Mar;109:291–306
Effects of light–deprivation on development of photopositive behavior in Xenopus laevis tadpoles. Copp NH, et al. **J Exp Zool** 1984 May;230(2):219–28
Ambivalence in monkey mothering. Infant abuse combined with maternal possessiveness. Troisi A, et al. **J Nerv Ment Dis** 1984 Feb;172(2):105–8
Atypical gnawing and cage destructive behavior in one strain of laboratory rat. Jacobs HK, et al. **Lab Anim Sci** 1984 Jun;34(3):311–2
Heart and liver lipid fatty acid and behavior changes in mice after a diet change. Kitchell BB. **Life Sci** 1984 Apr 23; 34(17):1613–20
Why should veterinarians study animal behavior? Voith VL. **Mod Vet Pract** 1984 May;65(5):363–4
Procedures for introducing a baby to a dog. Voith VL. **Mod Vet Pract** 1984 Jul;65(7):539–41
Responses to moderate functional loads by rats with individual behavioral features. Airapetyants MG, et al. **Neurosci Behav Physiol** 1983 May–Jun;13(3):202–8
Role of orienting and defensive components in open field behavior of albino rats. Titov SA, et al. **Neurosci Behav Physiol** 1983 Jan–Feb;13(1):29–33
Stress, behavior and experimental hypertension. McCarty R. **Neurosci Biobehav Rev** 1983 Winter;7(4):493–502
Acute hyperammonemia in the young primate: physiologic and neuropathologic correlates. Voorhies TM, et al. **Pediatr Res** 1983 Dec;17(12):970–5
Behavioral differences between vasopressin–deficient (Brattleboro) and normal Long–Evans rats. Williams AR, et al. **Peptides (Fayetteville)** 1983 Sep–Oct;4(5):711–6
A microcomputer method for behavioral data acquisition and subsequent analysis. Depaulis A. **Pharmacol Biochem Behav** 1983 Oct;19(4):729–32
Prolonged animal observation by use of digitized videodisplays. Spruijt BM, et al. **Pharmacol Biochem Behav** 1983 Nov;19(5):765–9
Postweaning copper restriction and behavior in the Long–Evans rat. Thorne BM, et al. **Pharmacol Biochem Behav** 1983 Dec;19(6):1041–4
Effect of crowding on some physiological and behavioral variables in adult male rats. Armario A, et al. **Physiol Behav** 1984 Jan;32(1):35–7
Disruption and habituation of stable fixed–interval behavior in younger and older monkeys. Harrison DW, et al. **Physiol Behav** 1984 Mar;32(3):341–4
Sex differences in shock motivated behaviors, activity, and discrimination learning of northern grasshopper mice (Onychomys leucogaster). Kemble ED, et al. **Physiol Behav** 1984 Mar;32(3):375–80
Grower diets and bird density effects on growth and cannibalism in ring–necked pheasants. Cain JR, et al. **Poult Sci** 1984 Mar;63(3):450–7
Fertility and behavioral responses of roosters to diets differing in protein and calcium. Cherry JA, et al. **Poult Sci** 1984 May;63(5):863–70
The effects of precision feeding on the behavior of adult cockerels. Fraser D, et al. **Poult Sci** 1983 Nov; 62(11):2224–6
Vocalizations and behavior of two commercial stocks of chickens. Stone ND, et al. **Poult Sci** 1984 Apr;63(4):616–9
Effects of cannabis drugs on social behaviour of laboratory rodents. Frischknecht HR. **Prog Neurobiol** 1984;22(1):39–58 (139 ref.)
Veterinarians as ATB livestock trainers. Gleave P. **Vet Rec** 1984 May 12;114(19):465
Wooldridge memorial lecture. Wild; captive; dead. Harrison RJ. **Vet Rec** 1983 Oct 8;113(15):342–7
Effect of neutering on two groups of feral cats. Neville PF, et al. **Vet Rec** 1984 May 5;114(18):447–50
Early weaning and cage rearing of piglets; influence on behaviour. Algers B. **Zentralbl Veterinarmed [A]** 1984 Feb; 31(1):14–24
[Problem behavior in dogs] van Pinxteren RM, et al. **Tijdschr Diergeneeskd** 1983 Dec 15;108(24):954–63 (Eng. Abstr.) **(Dut)**
[Hormonal and compartmental correlates during adrenarche in the chimpanzee] Nadler RD, et al. **C R Seances Acad Sci [III]** 1984;298(14):409–13 (Eng. Abstr.) **(Fre)**
[Behavioral disorders in intensively kept fattening bulls] Sambraus HH, et al. **DTW** 1984 Feb 7;91(2):56–60 (Eng. Abstr.) **(Ger)**
[Technic for the observation of the behavior of Triatoma infestans (Klug, 1834) in a miniature of a mud–walled and thatch roofed house] Mac Cord JR, et al. **Mem Inst Oswaldo Cruz** 1983 Apr–Jun;78(2):153–63 (Eng. Abstr.) **(Por)**
[Ethological approach in the study of aggressive behavior in monkeys] Dergina MA, et al. **Biol Nauki** 1983;(7):54–7 (Eng. Abstr.) **(Rus)**
[Behavioral tactics among rats in a radial maze] Batuev AS, et al. **Zh Vyssh Nerv Deiat** 1984 Jan–Feb;34(1):38–47 (Eng. Abstr.) **(Rus)**
[Experimental study of object–tool activity in the monkey and ape] Firsov LA, et al. **Zh Vyssh Nerv Deiat** 1983 Nov–Dec;33(6):1142–4 **(Rus)**

CLASSIFICATION

Operative versus conceptual classification of animal behaviour. Gherardi FC. **Pubbl Stn Zool Napoli [II]** 1983; 5(1):87–99

DRUG EFFECTS

Effects of antifeins (memory affecting agents) on behavior, brain infraslow activity and temperature. Borodkin YuS, et al. **Act Nerv Super (Praha)** 1984 Jun;26(2):97–102
Effect of opioids on central serotonin transmission and despair test. Tamborska E, et al. **Acta Med Pol** 1982; 23(1–2):49–62
Behavioural and neurochemical studies of the action of atypical antidepressants. Valdman AV, et al. **Acta Physiol Pharmacol Bulg** 1983;9(3):3–10
Chronic treatment with l–dopa plus carbidopa in hemitransected rats: preferential effects at intact dopamine synapses leading to behavioural signs of dopamine receptor supersensitivity. Agnati LF, et al. **Acta Physiol Scand** 1983 May;118(1):27–34
On the mode of action of 3–(3–hydroxyphenyl)–N–n–propylpiperidine, 3–PPP, and its enantiomers. With particular reference to dopaminergic mechanisms in the central nervous system. Hjorth S. **Acta Physiol Scand [Suppl]** 1983;517:1–52
Pharmacological and behavioural studies of benzodiazepine antagonists and contragonists. Nutt D. **Adv Biochem Psychopharmacol** 1983;38:153–73
Behavioral and EEG effects of benzodiazepines and their antagonists in the cat. Ongini E. **Adv Biochem Psychopharmacol** 1983;38:211–25
Distinct behavioral and pharmacological effects of two benzodiazepine antagonists: Ro 15–1788 and methyl beta–carboline. Prado de Carvalho L, et al. **Adv Biochem Psychopharmacol** 1983;38:175–87
State of DA/ACh balance after chronic treatment with haloperidol and with THIP in rats. Denaro A, et al. **Adv Neurol** 1984;40:141–7
Evaluation of the CNS properties of SCH 29851, a potential non–sedating antihistamine. Barnett A, et al. **Agents Actions** 1984 Jun;14(5–6):590–7
What can specific behavioural testing procedures contribute to the assessment of neurotoxicity in laboratory animals? Schaeppi U, et al. **Agents Actions** 1984 Jan;14(1):131–8
Circadian variations in behavioral and biological sensitivity to ethanol. Brick J, et al. **Alcoholism (NY)** 1984 Mar–Apr; 8(2):204–11
Opioid–induced epileptogenic phenomena: anatomical,

behavioral, and electroencephalographic features. Chugani HT, et al. **Ann Neurol** 1984 Apr;15(4):361–8

Central effects of tuftsin. Herman ZS, et al. **Ann NY Acad Sci** 1983;419:156–63

Neurobehavioral techniques to assess the effects of chemicals on the nervous system. Tilson HA, et al. **Annu Rev Pharmacol Toxicol** 1984;24:425–50 (127 ref.)

The similar effects of swainsonine and locoweed on tissue glycosidases and oligosaccharides of the pig indicate that the alkaloid is the principal toxin responsible for the induction of locoism. Tulsiani DR, et al. **Arch Biochem Biophys** 1984 Jul;232(1):76–85

Effects of dietary ABATE on reproductive success, duckling survival, behavior, and clinical pathology in game-farm mallards. Franson JC, et al. **Arch Environ Contam Toxicol** 1983 Sep;12(5):529–34

Effects of carbon monoxide on behavior in monkeys in relation to human fire hazard. Purser DA, et al. **Arch Environ Health** 1983 Sep–Oct;38(5):308–15

Biochemical, functional and behavioral evaluation of a series of novel antipsychotic-like agents. Von Voigtlander PF, et al. **Arch Int Pharmacodyn Ther** 1983 Nov;266(1):23–37

Neurobehavioral tests in single- and repeated-dose toxicity studies in small rodents. Alder S, et al. **Arch Toxicol** 1983 Sep;54(1):1–23 (95 ref.)

A developmental toxicity and psychotoxicity evaluation of FD and C red dye 3 (erythrosine) in rats. Vorhees CV, et al. **Arch Toxicol** 1983 Aug;53(4):253–64

Models to predict cannabinoid-induced disturbances. Edery H. **Arch Toxicol [Suppl]** 1983;6:91–103

Behavioural examinations of the anti-aggressive drug fluprazine. Benton D, et al. **Behav Brain Res** 1983 Dec; 10(2–3):325–38

Chronic neonatal treatment with CGS 8216: effects on the behaviour of adolescent rats. File SE, et al. **Behav Brain Res** 1984 Mar;11(3):197–204

Limbic seizures produced by pilocarpine in rats: behavioural, electroencephalographic and neuropathological study. Turski WA, et al. **Behav Brain Res** 1983 Sep;9(3):315–35

Effect of DSP-4, pCPA, and haloperidol on hippocampal electrical activity and behavior in rabbits. Fontani G, et al. **Behav Neural Biol** 1984 Mar;40(2):213–26

A behavior analysis of the offspring of 'haloperidol-sensitive' and 'haloperidol-resistant' gerbils. Upchurch M, et al. **Behav Neural Biol** 1983 Nov;39(2):221–8

Psychoactive-drug response is affected by acute low-level microwave irradiation. Lai H, et al. **Bioelectromagnetics** 1983;4(3):205–14

The comparative behavioral effects of N,N-dimethyltryptamine and N,N-diethyltryptamine in primate dyads. Heinze WJ, et al. **Biol Psychiatry** 1983 Jul; 18(7):829–36

Behavioural hyperactivity in rats treated with selective monoamine oxidase inhibitors and LM 5008, a selective 5-hydroxytryptamine uptake blocker. Ashkenazi R, et al. **Br J Pharmacol** 1983 Jul;79(3):765–70

Heterosynaptic facilitation and behavioral sensitization are inhibited by lowering endogenous cAMP in Aplysia. Belardetti F, et al. **Brain Res** 1983 Dec 12;288(1–2):95–104

A comparison of the behavioral effects of CRF, sauvagine and urotensin I. Britton DR, et al. **Brain Res** 1984 Jun 25;304(2):201–5

Abolition of the behavioral effects of cholecystokinin following bilateral radiofrequency lesions of the parvocellular subdivision of the nucleus tractus solitarius. Crawley JN, et al. **Brain Res** 1984 Mar 19;295(2):289–99

Differential behavioral effects induced by intrathecal microinjection of opiates: comparison of convulsive and cataleptic effects produced by morphine, methadone, and D-Ala2-methionine-enkephalinamide. Frenk H, et al. **Brain Res** 1984 May 7;299(1):31–42

Correlation of dose-dependent effects of acute amphetamine administration on behavior and local cerebral metabolism in rats. Porrino LJ, et al. **Brain Res** 1984 Jul 30; 307(1–2):311–20

Behavioral and biochemical stereoselectivity of sigma opiate/PCP receptors. Zukin SR, et al. **Brain Res** 1984 Feb 27;294(1):174–7

The behavioural effects of phenelzine and phenylethylamine may be due to amine release. Dyck LE. **Brain Res Bull** 1984 Jan;12(1):23–8

Nigral dopaminergic mechanisms in drug-induced circling. Jackson EA, et al. **Brain Res Bull** 1983 Nov;11(5):605–11

Behavioral effects of intracerebral injections of renin and captopril in intact and brain-damaged rats. Sabel BA, et al. **Brain Res Bull** 1983 Dec;11(6):637–42

Peripheral DA receptor blockade facilitates behavioural recovery from nigrostriatal damage. Willis GL, et al. **Brain Res Bull** 1983 Jul;11(1):15–9

Effect of synthetic detergents on some of the behavioral patterns of fish fingerlings (Cirrhina mrigala) and its relation to ecotoxicology. Lal H, et al. **Bull Environ Contam Toxicol** 1984 Jan;32(1):109–15

Behavioural, electrocortical and spectrum power effects after intraventricular injection of thallium in rats. Nisticò G, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Mar;5(1):1–4

[Ac-D-NAL(2)1,4FD-Phe2,D-Trp3,D-Arg6]-LHRH, a potent antagonist of LHRH, produces transient edema and behavioral changes in rats. Schmidt F, et al. **Contraception** 1984 Mar;29(3):283–9

Ontogeny of the behavioral effects of lysergic acid diethylamide in cats. Trulson ME, et al. **Dev Psychobiol** 1984 Jul;17(4):329–46

The combined administration of certain metals in trace dose upon the postnatal development of behavior in mice. Hoshishima K, et al. **Dev Toxicol Environ Sci** 1983; 11:529–32

'Play' behavior and trace dose of metal(s) in mice. Hoshishima K. **Dev Toxicol Environ Sci** 1983;11:525–8

A quantitative analysis of the roles of dosage, sequence, and duration of estradiol and progesterone exposure in the regulation of maternal behavior in the rat. Bridges RS. **Endocrinology** 1984 Mar;114(3):930–40

Changes in simple and complex behaviors following kindled seizures in rats: opioid and nonopioid medication. Caldecott-Hazard S, et al. **Epilepsia** 1983 Oct;24(5):539–47

Neurochemical and behavioral effects of systemic and intranigral administration of N-methyl-4-phenyl-1,2,3,6-tetrahydropyridine in the rat. Chiueh CC, et al. **Eur J Pharmacol** 1984 Apr 20; 100(2):189–94

The striato-nigro-collicular pathway and explosive running behaviour: functional interaction between neostriatal dopamine and collicular GABA. Cools AR, et al. **Eur J Pharmacol** 1984 Apr 13;100(1):71–7

The mesolimbic nucleus accumbens is critically involved with the mediation of the motor inhibitory and facilitatory effects of dopamine agonists on mouse spontaneous climbing behaviour. Costall B, et al. **Eur J Pharmacol** 1983 Dec 23;96(3–4):201–10

A striatal serotonergic involvement in the behavioural effects of anticholinesterase organophosphates. Fernando JC, et al. **Eur J Pharmacol** 1984 Feb 10;98(1):129–32

Intrathecal bombesin in rats: effects on behaviour and gastrointestinal transit. Gmerek DE, et al. **Eur J Pharmacol** 1983 Oct 14;94(1–2):141–3

Evidence that apomorphine and pergolide induce rotation in rats by different actions on D1 and D2 receptor sites. Herrera-Marschitz M, et al. **Eur J Pharmacol** 1984 Feb 17;98(2):165–76

Some behavioral effects of hallucinogens are mediated by a postsynaptic serotonergic action: evidence from single unit studies in freely moving cats. Heym J, et al. **Eur J Pharmacol** 1984 May 18;101(1–2):57–68

SCH-23390: a selective D1 dopamine antagonist with potent D2 behavioral actions. Mailman RB, et al. **Eur J Pharmacol** 1984 May 18;101(1–2):159–60

Sex-dependent differences in the pharmacological actions and pharmacokinetics of phencyclidine in rats. Nabeshima T, et al. **Eur J Pharmacol** 1984 Jan 27;97(3–4):217–27

Involvement of endogenous enkephalins in the mouse 'behavioral despair' test. Natan LB, et al. **Eur J Pharmacol** 1984 Jan 27;97(3–4):301–4

Intrinsic and antagonistic effects of beta-carboline FG 7142 on behavioral and EEG actions of benzodiazepines and pentobarbital in cats. Ongini E, et al. **Eur J Pharmacol** 1983 Nov 11;95(1–2):125–9

Neonatal 6-hydroxydopamine attenuates the neural and behavioral effects of enriched rearing in the rat. O'Shea L, et al. **Eur J Pharmacol** 1983 Aug 19;92(1–2):43–7

Behavioral evidence for alpha 1-adrenoceptor up- and alpha 2-adrenoceptor down-regulation in the rat hippocampus after chronic desipramine treatment. Plažnik A, et al. **Eur J Pharmacol** 1984 Jun 1;101(3–4):305–6

Influence of clonidine on the ACTH-induced behavioral syndrome. Poggioli R, et al. **Eur J Pharmacol** 1984 Jun 1;101(3–4):299–301

Pharmacological characteristics of dopamine receptors involved in the dual effect of dopamine agonists on yawning behaviour in rats. Protais P, et al. **Eur J Pharmacol** 1983 Oct 28;94(3–4):271–80

Assessment of dopamine autoreceptor agonist properties of apomorphine, (+)-3-PPP and (-)-3-PPP by recording of yawning behaviour in rats. Ståhle L, et al. **Eur J Pharmacol** 1984 Feb 17;98(2):307–10

Tolerance develops to LSD while the drug is exerting its maximal behavioral effects: implications for the neural bases of tolerance. Trulson ME, et al. **Eur J Pharmacol** 1983 Dec 23;96(3–4):317–20

Behavioral effects of serotonergic and dopaminergic drugs in cats following chronic amphetamine administration. Trulson ME, et al. **Eur J Pharmacol** 1984 Apr 6; 99(4):313–24

Mescaline elicits behavioral effects in cats by an action at both serotonin and dopamine receptors. Trulson ME, et al. **Eur J Pharmacol** 1983 Dec 9;96(1–2):151–4

In rats, the behavioral profile of CCK-8 related peptides resembles that of antipsychotic agents. Van Ree JM, et al. **Eur J Pharmacol** 1983 Sep 16;93(1–2):63–78

Effects of kainic acid injections in the striatum on physiologic and behavioral functions in conscious rats. Lin MT, et al. **Exp Neurol** 1984 Jan;83(1):71–83

Use of environmental challenges in behavioral toxicology. MacPhail RC, et al. **Fed Proc** 1983 Dec;42(15):3196–200

Quantitative evaluation of sensory irritating and neurobehavioural properties of aliphatic ketones in mice. De Ceaurriz J, et al. **Food Chem Toxicol** 1984 Jul; 22(7):545–9

Effects of bromide on behaviour of mice. Hansen K, et al. **Food Chem Toxicol** 1983 Aug;21(4):405–8

Developmental toxicity and psychotoxicity of sodium nitrite in rats. Vorhees CV, et al. **Food Chem Toxicol** 1984 Jan; 22(1):1–6

Effects of ionic and non-ionic contrast media after selective peripheral and cerebral arterial injections in rats. Mützel W, et al. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1983; 118:62–6

Behavioral and physical development of rats chronically exposed to caffeinated fluids. Butcher RE, et al. **Fundam Appl Toxicol** 1984 Feb;4(1):1–13

Behavioral changes in the rat after low doses of cholinesterase inhibitors. Wolthuis OL, et al. **Fundam Appl Toxicol** 1984 Apr;4(2 Pt 2):S195–208

Strategies for assessing the effects of food additives on the brain and behavior. Wurtman RJ, et al. **Fundam Appl Toxicol** 1984 Jun;4(3 Pt 2):S318–22

Behavioural effects of beta,beta'-iminodipropionitrile (IDPN) in the domestic fowl (Gallus domesticus). Sokomba E, et al. **Gen Pharmacol** 1984;15(3):211–5

Potentiation of the psychotropic effect of chlorpromazine by metoclopramide. Hemnani TJ, et al. **Indian J Med Res** 1983 Oct;78:593–5

Fenfluramine-induced head-twitch response in mice and its modification by certain drugs influencing the central 5-hydroxytryptamine function [letter] Joshi VV, et al. **Indian J Physiol Pharmacol** 1983 Jul–Sep;27(3):249–52

Behavioral effects of substance P in rats. Barbeau A, et al. **Int J Neurol** 1980;14(2–4):239–52

Cardiovascular and behavioral actions of centrally administered cimetidine. Gatti PJ, et al. **J Cardiovasc Pharmacol** 1984 Jul–Aug;6(4):575–81

Stimulation of postsynaptic DA2 receptors produces jerks in reserpine-treated rats. Grabowska-Andén M, et al. **J Pharm Pharmacol** 1983 Aug;35(8):543–5

Effect of bupropion on dopamine and 5-hydroxytryptamine-mediated behaviour in mice. Muley MP, et al. **J Pharm Pharmacol** 1984 Mar;36(3):208–10

Influence of thyrotropin-releasing hormone on general behavior and striatal [3H]spiperone binding in developing rats. Oki K, et al. **J Pharmacobiodyn** 1983 Sep;6(9):607–12

Biochemical investigation on the abnormal behaviors induced by fumitremorgin A, a tremorgenic mycotoxin to mice. Yamazaki M, et al. **J Pharmacobiodyn** 1983 Oct; 6(10):748–51

Discriminant effects of behaviorally active and inactive analogs of phencyclidine on membrane electrical excitability. Aguayo LG, et al. **J Pharmacol Exp Ther** 1984 Jan;228(1):80–7

Effects of picenadol and its agonist and antagonist isomers on schedule-controlled behavior. Leander JD, et al. **J Pharmacol Exp Ther** 1983 Dec;227(3):671–5

Differential actions of serotonin antagonists on two behavioral models of serotonin receptor activation in the rat. Lucki I, et al. **J Pharmacol Exp Ther** 1984 Jan; 228(1):133–9

Inhibition of the spontaneous climbing behavior elicited in mice by opiates. Marcais-Collado H, et al. **J Pharmacol Exp Ther** 1983 Nov;227(2):466–71

Blockade of the behavioral effects of lysergic acid diethylamide, 2,5-dimethoxy-4-methylamphetamine, quipazine and lisuride by 5-hydroxytryptamine antagonists. Mokler DJ, et al. **J Pharmacol Exp Ther** 1983 Dec; 227(3):557–62

Behavior maintained under fixed-interval and second-order schedules by intravenous injections of endogenous noncatecholic phenylethylamines in dogs. Shannon HE, et al. **J Pharmacol Exp Ther** 1984 Mar;228(3):691–5

Maintenance of behavior by postponement of scheduled injections of nicotine in squirrel monkeys. Spealman RD. **J Pharmacol Exp Ther** 1983 Oct;227(1):154–9

Evidence that behavioural and electrocortical sleep induced by guanfacine is due to stimulation of alpha 2-adrenoceptors. Rotiroti D, et al. **J Psychiatr Res** 1982–83; 17(3):231–9

On the choice of experimental populations for research in neurobehavioral toxicology. Young SS. **J Toxicol Environ Health** 1983 Oct–Dec;12(4–6):841–2

The difference in the site of actions of tricyclic antidepressants and methamphetamine on the duration of the immobility in the behavioral despair test. Araki H, et al. **Jpn J Pharmacol** 1984 May;35(1):67–72

Effect of 4-(o-benzylphenoxy)-N-methylbutylamine hydrochloride (MCI-2016) on the scopolamine-induced deficit of spontaneous alternation behavior in rats. Tobe A, et al. **Jpn J Pharmacol** 1983 Aug;33(4):775–84

Neuroendocrine and behavioral effects of m-chlorophenylpiperazine administration in rhesus monkeys. Aloi JA, et al. **Life Sci** 1984 Apr 2;34(14):1325–31

Amitriptyline sensitization of a serotonin-mediated behavior depends on the passage of time and not repeated treatment. Antelman SM, et al. **Life Sci** 1983 Oct 24;33(17):1727–30

Behavioral effects of opiates on the land snail Helix aspersa. Burrowes WR, et al. **Life Sci** 1983;33 Suppl 1:381–4

Cholecystokinin tetrapeptide, proglumide and open-field behavior in rats. Hsiao S, et al. **Life Sci** 1984 May 28; 34(22):2165–8

Tyrosine prevents behavioral and neurochemical correlates of an acute stress in rats. Reinstein DK, et al. **Life Sci** 1984 Jun 4;34(23):2225–31

gamma-Endorphin and N alpha-acetyl-gamma-endorphin interfere with distinct dopaminergic systems in the nucleus accumbens via opioid and non-opioid mechanisms. van Ree JM, et al. **Life Sci** 1984 Apr 2;34(14):1317–24

Effect of elymoclavine on open field behaviour of rats and pharmacological analysis of its catecholaminergic

mechanisms. Georgiev V, et al. **Methods Find Exp Clin Pharmacol** 1983 Jun;5(5):281–5

A critical assessment of behavioural test procedures used to analyse dopaminergic and antidopaminergic drugs. Nohria V. **Methods Find Exp Clin Pharmacol** 1983 Jul–Aug; 5(6):357–64

Behavioral techniques in neuroreceptor research. Nichols DE, et al. **Monogr Neural Sci** 1984;10:108–19 (44 ref.)

Effects of paternal ethylene dibromide exposure on F1 generation behavior in the rat. Fanini D, et al. **Mutat Res** 1984 Mar;139(3):133–8

Tranquilizer reduces electric organ discharge frequency in a teleost fish. Kramer B. **Naturwissenschaften** 1984 Feb; 71(2):99–100

Behavioural effects of pentylenetetrazole reversed by chlordiazepoxide and enhanced by RO 15–1788. File SE. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Jun; 326(2):129–31

Selection of dopamine antagonists discriminating various behavioral responses and radioligand binding sites. Martres MP, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Feb;325(2):102–15

Effects of delta 9–THC on pregnancy and offspring in rats. Abel EL. **Neurobehav Toxicol Teratol** 1984 Jan–Feb; 6(1):29–32

A behavioral assessment of arcuate nucleus damage after a single injection of monosodium glutamate. Dawson R Jr, et al. **Neurobehav Toxicol Teratol** 1983 Jul–Aug; 5(4):399–406

Behavioral toxicity of chloral in mice: an approach to evaluation. Kallman MJ, et al. **Neurobehav Toxicol Teratol** 1984 Mar–Apr;6(2):137–46

Prenatal levo–alpha–acetylmethadol (LAAM) and/or naloxone: effects on brain chemistry and postweaning behavior. Lichtblau L, et al. **Neurobehav Toxicol Teratol** 1983 Jul–Aug;5(4):479–86

Behavioral toxicological assessment of oral pralidoxime methanesulfonate in the rat. Liu WF, et al. **Neurobehav Toxicol Teratol** 1984 Mar–Apr;6(2):121–7

Diisopropyl phosphorofluoridate (DFP) disrupts circadian activity patterns. Raslear TG, et al. **Neurobehav Toxicol Teratol** 1983 Jul–Aug;5(4):407–11

Considerations for the design, implementation, and interpretation of animal models of fetal alcohol effects. Riley EP, et al. **Neurobehav Toxicol Teratol** 1984 Mar–Apr; 6(2):97–101

Developmental and behavioral toxicity following acute postnatal exposure of rat pups to trimethyltin. Ruppert PH, et al. **Neurobehav Toxicol Teratol** 1983 Jul–Aug;5(4):421–9

Behavioral consequences of prenatal diazepam exposure in rats. Shore CO, et al. **Neurobehav Toxicol Teratol** 1983 Sep–Oct;5(5):565–70

Behavioral effects of prenatal exposure to ethylene dibromide. Smith RF, et al. **Neurobehav Toxicol Teratol** 1983 Sep–Oct;5(5):579–85

A critical view of the utility of positive controls in a test battery. Tachibana T. **Neurobehav Toxicol Teratol** 1984 Mar–Apr;6(2):155–9

Behavioral teratogenicity testing as a method of screening for hazards to human health: a methodological proposal. Vorhees CV. **Neurobehav Toxicol Teratol** 1983 Jul–Aug; 5(4):469–74

Influence of early testing on postweaning performance in untreated F344 rats, with comparisons to Sprague–Dawley rats, using a standardized battery of tests for behavioral teratogenesis. Vorhees CV. **Neurobehav Toxicol Teratol** 1983 Sep–Oct;5(5):587–91

Behavioral and neuroendocrine effects of long–term progesterone treatment in the rat. Biegon A, et al. **Neuroendocrinology** 1983 Nov;37(5):332–5

Comparison of the influence of the opiate delta receptor antagonist, ICI 154,129, and naloxone on social interaction and behaviour in an open field. Benton D, et al. **Neuropharmacology** 1984 Jan;23(1):13–7

The action of mephenesin and other agents on the effects produced by two neurotoxic pyrethroids in the intact and spinal rat. Bradbury JE, et al. **Neuropharmacology** 1983 Jul; 22(7):907–14

Activity of the chloro– and triazolo–benzodiazepines. Behavioural studies in the monkey (Macaca mulatta). Bradley CM, et al. **Neuropharmacology** 1984 Mar; 23(3):327–31

Effect of age on behavioral responses and tissue levels of apomorphine in the rat. Campbell A, et al. **Neuropharmacology** 1984 Jul;23(7A):725–30

The effects of lesions produced by 5,7–dihydroxytryptamine on 5–hydroxytryptamine–mediated behaviour induced by amphetamine in large doses in the rat. Dickinson SL, et al. **Neuropharmacology** 1984 Apr;23(4):423–9

Task–specific tolerance to d–amphetamine. Emmett–Oglesby MW, et al. **Neuropharmacology** 1984 May;23(5):563–8

Behavioural responses induced by intrathecal injection of 5–hydroxytryptamine in mice are inhibited by a substance P antagonist, D–Pro2, D–Trp7,9–substance P. Fasmer OB, et al. **Neuropharmacology** 1983 Dec;22(12A):1397–400

Repeated electroconvulsive shock has no specific anxiolytic effect but reduces social interaction and exploration in rats. File SE, et al. **Neuropharmacology** 1984 Jan;23(1):95–9

The behavioural effects of RU 24969, a suggested 5–HT1 receptor agonist in rodents and the effect on the behaviour of treatment with antidepressants. Green AR, et al. **Neuropharmacology** 1984 Jun;23(6):655–61

Behavioural and biochemical alterations in the function of dopamine receptors following repeated administration of L–DOPA to rats. Hall MD, et al. **Neuropharmacology** 1984 May;23(5):545–53

Effects of centrally–administered bombesin and adrenalectomy on behavioral thermoregulation and locomotor activity. Hawkins MF, et al. **Neuropharmacology** 1983 Nov;22(11):1249–55

Tolerance to the morphine–influenced thermal response in the terrestrial snail, Cepea nemoralis. Kavaliers M, et al. **Neuropharmacology** 1983 Nov;22(11):1321–6

Non–opiate beta–endorphin fragments and dopamine––VI. Behavioural analysis of the interaction between gamma–type endorphins and dopaminergic systems in the nucleus accumbens of rats. Király I, et al. **Neuropharmacology** 1984 May;23(5):511–6

Similar anticonvulsant, but unique, behavioural effects of opioid agonists in the seizure–sensitive Mongolian gerbil. Lee RJ, et al. **Neuropharmacology** 1984 May;23(5):517–24

Both dopaminergic and adrenergic receptors in the brain are involved in the behavioural excitation induced by dibutyryl 3',5'–adenosine monophosphate and aminophylline in the rat. Lin MT, et al. **Neuropharmacology** 1984 Feb; 23(2A):129–35

Effects of apomorphine, TL–99 and 3–PPP on yawning in rats. Mogilnicka E, et al. **Neuropharmacology** 1984 Jan; 23(1):19–22

Tolerance to N6–(L–phenylisopropyl) adenosine. Contribution of behavioral mechanisms and cross–tolerance profile. Spencer DG Jr, et al. **Neuropharmacology** 1984 Jun; 23(6):671–6

Effects of behaviorally active doses of thyrotropin–releasing hormone and its analog MK–771 on dopaminergic neuronal systems in the brain of the rat. Yamada K, et al. **Neuropharmacology** 1984 Jul;23(7A):735–9

Involvement of 5–HT2 receptors in the wet–dog shake behaviour induced by 5–hydroxytryptophan in the rat. Yap CY, et al. **Neuropharmacology** 1983 Jul;22(7):801–4

Interaction between chlorpromazine and intrathecally injected non–ionic contrast media in non–anaesthetized rabbits. Maly P, et al. **Neuroradiology** 1984;26(3):235–40

Critical issues in assessing the behavioral effects of amphetamine. Rebec GV, et al. **Neurosci Biobehav Rev** 1984 Spring;8(1):153–9

Sites of behavioral and neurochemical action of ACTH–like peptides and neurohypophyseal hormones. van Wimersma Greidanus TB, et al. **Neurosci Biobehav Rev** 1983 Winter; 7(4):453–63

Two routes of continuous amphetamine administration induce different behavioral and neurochemical effects in the rat. Eison MS, et al. **Neurosci Lett** 1983 Sep 9; 39(3):313–9

Alterations in regulatory and locomotor behaviors following trimethyltin exposure in the rat: a time and dose analysis. Johnson CT, et al. **Neurosci Lett** 1984 Jun 15;47(2):99–106

The spectrum of actions of thyrotropin–releasing hormone on the CNS: a polygraphic study on rabbits. Maurelli M, et al. **Neurosci Lett** 1984 Apr 20;46(1):85–90

Effect of phosphoramidon – a selective enkephalinase inhibitor – on nociception and behaviour. Rupreht J, et al. **Neurosci Lett** 1983 Nov 11;41(3):331–5

Brain noradrenaline and anaesthesia: behavioural and electrophysiological evidence. Mason ST, et al. **Neuroscience** 1983 Sep;10(1):177–85

Interferon modifies EEG and EEG–like activity recorded from sensory, motor, and limbic system structures in freely behaving rats. Dafny N. **Neurotoxicology (Park Forest II)** 1983 Summer;4(2):235–40

The effects of intrathecal morphine and naltrexone on autotomy in sciatic nerve sectioned rats. Wiesenfeld–Hallin Z. **Pain** 1984 Mar;18(3):267–78

Secretin modulation of behavioral and physiological functions in the rat. Charlton CG, et al. **Peptides (Fayetteville)** 1983 Sep–Oct;4(5):739–42

Nucleus tractus solitarius lesions block the behavioral actions of cholecystokinin. Crawley JN, et al. **Peptides (Fayetteville)** 1983 Sep–Oct;4(5):743–7

Substance P and behavior: opposite effects of N–terminal and C–terminal fragments. Hall ME, et al. **Peptides (Fayetteville)** 1983 Sep–Oct;4(5):763–8

Associated endocrine, physiological and behavioral changes in rhesus monkeys after intravenous corticotropin–releasing factor administration. Kalin NH, et al. **Peptides (Fayetteville)** 1983 Mar–Apr;4(2):211–5

Thermoregulatory, behavioral and seizure modulatory effects of AVP in the gerbil. Lee RJ, et al. **Peptides (Fayetteville)** 1983 Nov–Dec;4(6):801–5

Bombesin–induced behavioural changes: antagonism by neuroleptics. Merali Z, et al. **Peptides (Fayetteville)** 1983 Sep–Oct;4(5):693–7

CCK–8 modulation of mesolimbic dopamine: antagonism of amphetamine–stimulated behaviors. Schneider LH, et al. **Peptides (Fayetteville)** 1983 Sep–Oct;4(5):749–53

P–chloroamphetamine and a side–chain fluorinated analog: effects on brain amine levels and behavior. Beck CH, et al. **Pharmacol Biochem Behav** 1984 Feb;20(2):215–20

Effects of mecamylamine, nicotine, atropine and physostigmine on the phencyclidine–induced behavioral toxicity. Chaturvedi AK. **Pharmacol Biochem Behav** 1984 Apr;20(4):559–66

The effect of apomorphine on the open–field behavior of rats: alone and in pairs. Chow HL, et al. **Pharmacol Biochem Behav** 1984 Jul;21(1):85–8

Sex differences and asymmetries of catecholamines: relation to turning preferences. Dark KA, et al. **Pharmacol Biochem Behav** 1984 Mar;20(3):327–30

Novelty–oriented behavior in the rat after selective damage of locus coeruleus projections by DSP–4, a new noradrenergic neurotoxin. Delini–Stula A, et al. **Pharmacol Biochem Behav** 1984 Apr;20(4):613–8

Behavioral activity of a short chain ACTH analog. Drago F, et al. **Pharmacol Biochem Behav** 1984 May;20(5):689–95

Relationship between the development of behavioral tolerance and the biodisposition of phencyclidine in mice. Freeman AS, et al. **Pharmacol Biochem Behav** 1984 Mar; 20(3):373–7

Toluene inhalation and anxiolytic activity: possible synergism with diazepam. Geller I, et al. **Pharmacol Biochem Behav** 1983 Nov;19(5):899–903

Control of behavior by intravenous nicotine injections in laboratory animals. Goldberg SR, et al. **Pharmacol Biochem Behav** 1983 Dec;19(6):1011–20

Cholinergic modulation of stimulant–induced behavior. Gonzalez LP, et al. **Pharmacol Biochem Behav** 1984 Mar; 20(3):397–403

Neonatal ethanol exposure: effects on adult behavior and brain growth parameters. Grant KA, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:331–6

Effects of urinary pH on the behavioral responses of squirrel monkeys to nicotine. Grunberg NE, et al. **Pharmacol Biochem Behav** 1983 Sep;19(3):553–7

Effects of selective central muscarinic blockade on schedule–controlled behavior and on the rate–decreasing effects of physostigmine. Hymowitz N, et al. **Pharmacol Biochem Behav** 1984 Jul;21(1):109–15

Phenytoin potentiates methamphetamine–induced behavior in mice. Izumi K, et al. **Pharmacol Biochem Behav** 1984 May;20(5):803–6

Behaviors induced by intrastriatal dopamine vary independently across the estrous cycle. Joyce JN, et al. **Pharmacol Biochem Behav** 1984 Apr;20(4):551–7

Multi–dimensional analyses of behavior in mice treated with morphine, endorphins and [des–tyrosine1]–gamma–endorphin. Kameyama T, et al. **Pharmacol Biochem Behav** 1983 Oct;19(4):671–7

Neurochemical correlates of tolerance and strain differences in the neurochemical effects of ethanol. Kiianmaa K, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:383–8

Pyrazolo[1,5–a]pyrimidines: receptor binding and anxiolytic behavioral studies. Loew G, et al. **Pharmacol Biochem Behav** 1984 Mar;20(3):343–8

Modification of drug effects by l–alpha–acetylmethadol. McMillan DE, et al. **Pharmacol Biochem Behav** 1984 Apr; 20(4):543–6

Behavioral and physiological effects of capsaicin in red–winged blackbirds. Mason JR, et al. **Pharmacol Biochem Behav** 1983 Nov;19(5):857–62

Effects of catecholamine–related mammalian alkaloids on spontaneous and vasopressin–induced behavior in mice. Meisenberg G, et al. **Pharmacol Biochem Behav** 1984 Mar; 20(3):355–60

Tripelennamine effects on body and organ weights, water intake, and several behaviors of rats. Nanry KP, et al. **Pharmacol Biochem Behav** 1983 Nov;19(5):821–5

Behavioral and neurochemical alterations in the offspring of rats after maternal or paternal inhalation exposure to the industrial solvent 2–methoxyethanol. Nelson BK, et al. **Pharmacol Biochem Behav** 1984 Feb;20(2):269–79

The stinging response of the honeybee: effects of morphine, naloxone and some opioid peptides. Núñez J, et al. **Pharmacol Biochem Behav** 1983 Dec;19(16):921–4

Behavioral comparison of pentylenetetrazol, clonidine, chlordiazepoxide and diazepam in infant rats. Pappas BA, et al. **Pharmacol Biochem Behav** 1983 Dec;19(6):957–61

Behavioral effects of d–amphetamine and apomorphine in the hamster. Peterson ME, et al. **Pharmacol Biochem Behav** 1984 Jun;20(6):855–8

Effects of d–amphetamine and d–fenfluramine on performance of rats in a food maze. Rech RH, et al. **Pharmacol Biochem Behav** 1984 Apr;20(4):489–93

Comparison of behavioral effects of cathinone, amphetamine and apomorphine. Schechter MD, et al. **Pharmacol Biochem Behav** 1984 Feb;20(2):181–4

Interstrain variation in acute toxic response to caffeine among inbred mice. Seale TW, et al. **Pharmacol Biochem Behav** 1984 Apr;20(4):567–73

Stimulus control by diazepam of behavior maintained under fixed–ratio stimulus–shock termination schedules in rats. Shannon HE. **Pharmacol Biochem Behav** 1984 May; 20(5):715–20

Limbic acetylcholine turnover rates correlated with rat morphine–seeking behaviors. Smith JE, et al. **Pharmacol Biochem Behav** 1984 Mar;20(3):429–42

Behavioral effects of ethanol and salsolinol in mice selectively bred for acute sensitivity to ethanol. Smolen TN, et al. **Pharmacol Biochem Behav** 1984 Feb;20(2):281–7

Effects of ethanol on behaviour of aggressive mice from two different strains: a comparison of simple and complex behavioural assessments. Smoothy R, et al. **Pharmacol Biochem Behav** 1983 Oct;19(4):645–53

Amphetamine cumulation and tolerance development: concurrent and opposing phenomena. Sparber SB, et al. **Pharmacol Biochem Behav** 1984 Mar;20(3):415–24

Phencyclidine–like behavioral effects of

2-methyl-3,3-diphenyl-3-propanolamine (2-MDP). Tang AH, et al. **Pharmacol Biochem Behav** 1984 Feb;20(2):209–13

Phencyclidine in combination with d-amphetamine: differential effects on acquisition and performance of response chains in monkeys. Thompson DM, et al. **Pharmacol Biochem Behav** 1984 Apr;20(4):619–27

Effects of angiotensin II on schedule dependent and induced behavior at recovered body weight. Wayner MJ, et al. **Pharmacol Biochem Behav** 1977 Jun;6(6):701–4

Differential effects of scopolamine on working and reference memory of rats in the radial maze. Wirsching BA, et al. **Pharmacol Biochem Behav** 1984 May;20(5):659–62

A comparison of the fenfluramine-induced serotonergic syndrome in rats subacutely treated with either saline or D-amphetamine. Hunsinger RN, et al. **Pharmacol Res Commun** 1984 Jun;16(6):579–88

Pharmacological profile of wet-dog shaking induced by electrical stimulation of the fornix in rats. Slater P. **Pharmacol Res Commun** 1984 Mar;16(3):273–80

The effect of beta-(Tyr9)melanotropin-(9–18) on the active avoidance and open-field behavior on rats pretreated with atropine or propranolol. Vécsei L, et al. **Pharmacol Res Commun** 1984 Apr;16(4):369–79

Comparative studies with beta-(Tyr9)melanotropin-(9–18) and amphetamine on open-field behavior and striatal dopamine uptake and release. Vécsei L, et al. **Pharmacol Res Commun** 1984 Jul;16(7):689–97

Effects of phosphatidylserine on avoidance relearning in rats (preliminary observations). Zanotti A, et al. **Pharmacol Res Commun** 1984 May;16(5):485–93

Studies on the mechanism of wet dog shakes produced by carbachol in rats. Turski WA, et al. **Pharmacology** 1984; 28(2):112–20

Synthesis and central nervous system activities of certain fluorine-containing 3-substituted indol-2-ones. Joshi KC, et al. **Pharmazie** 1984 Mar;39(3):153–5

Lasting behavioral effects after treating rats with CGS 8216 on postnatal days 9 to 21. File SE, et al. **Physiol Behav** 1984 Mar;32(3):351–5

Some behavioral effects of microinjections of noradrenaline and serotonin into the hippocampus of the rat. Plaźnik A, et al. **Physiol Behav** 1983 Nov;31(5):625–31

Elective tolerance to behavioral effects of neurotensin. Rinkel GJ, et al. **Physiol Behav** 1983 Oct;31(4):467–70

Behavioral and pharmacokinetic interaction between morphine and haloperidol in the rat. Adamus A, et al. **Pol J Pharmacol Pharm** 1984 Jan-Feb;36(1):51–8

Behavioural correlates to the dopamine D-1 and D-2 antagonists. Christensen AV, et al. **Pol J Pharmacol Pharm** 1984 Mar-Jun;36(2-3):249–64

The influence of insulin hypoglycemia on central dopaminergic structures of the rat. Kleinrok Z, et al. **Pol J Pharmacol Pharm** 1983 Nov-Dec;35(6):489–95

Pharmacokinetic aspects of some behavioral effects of psychotropic drugs. Melzacka M. **Pol J Pharmacol Pharm** 1984 Mar-Jun;36(2-3):117–36 (62 ref.)

Tyrosine and tryptophan influence on tonic immobility in the chicken. Lacy MP, et al. **Poult Sci** 1984 Jan; 63(1):176–81

Ethopharmacology: primate models of neuropsychiatric disorders. Proceedings of the symposium on primate ethopharmacology, IX congress of the International Primatological Society. Atlanta, Georgia, August 1982. **Prog Clin Biol Res** 1983;131:1–334

Ethological analysis of amphetamine action on social behavior in squirrel monkeys (Saimiri sciureus). Miczek KA, et al. **Prog Clin Biol Res** 1983;131:137–55 (37 ref.)

Male dominance, serotonergic systems, and the behavioral and physiological effects of drugs in vervet monkeys (Cercopithecus aethiops sabaeus). Raleigh MJ, et al. **Prog Clin Biol Res** 1983;131:185–97

Studying the behavioral effects of drugs in group-living nonhuman primates. Smith EO, et al. **Prog Clin Biol Res** 1983;131:1–31 (92 ref.)

Lead neurotoxicity: a review of the biochemical, neurochemical and drug induced behavioural evidence. Winder C, et al. **Prog Neurobiol** 1984;22(1):59–87 (103 ref.)

Some in vivo responses to a side chain monofluorinated amphetamine in the rat. Danielson TJ, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1983; 7(4–6):747–50

Behavioural pharmacology of benzodiazepines. File SE. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(1):19–31

Modulation of CNS dopamine receptors by peptides. Mishra RK. **Prog Neuropsychopharmacol Biol Psychiatry** 1983; 7(4–6):437–42

Ethanol and pentobarbital have different behavioral effects in the rat. Schechter MD. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(2):271–6

Chlordiazepoxide normalizes behaviour and adrenal response abnormalities in septal rats in a dose and time dependent fashion. Seggie J, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1983; 7(4–6):773–7

Continuous amphetamine intoxication: an animal model of the acute psychotic episode. Ellison GD, et al. **Psychol Med** 1983 Nov;13(4):751–61

Neurochemical and behavioral effects of 1-methyl-4-phenyl-1,2,3,6- tetrahydropyridine (MPTP) in rat, guinea pig, and monkey. Chiueh CC, et al. **Psychopharmacol Bull** 1984 Summer;20(3):548–53

Anorectic and other behavioral effects of centrally administered calcitonins. Cooper CW, et al. **Psychopharmacol Bull** 1984 Summer;20(3):451–5

Behavioral and physiological responses to benzodiazepine receptor antagonists. Crawley JN, et al. **Psychopharmacol Bull** 1984 Summer;20(3):403–7

Psychopharmacological studies on nicotine and tobacco smoking in rhesus monkeys. Yanagita T, et al. **Psychopharmacol Bull** 1983;19(3):409–12

Behavioural effects of intracerebral amphetamine in the marmoset. Annett LE, et al. **Psychopharmacology (Berlin)** 1983;81(1):18–23

Flurazepam hydrochloride and its principal metabolites: behavioural studies in the monkey (Macaca mulatta). Bradley CM, et al. **Psychopharmacology (Berlin)** 1984; 82(4):395–9

Amphetamine-induced perseverative behavior in a radial arm maze following DSP4 or 6-OHDA pretreatment. Bruto V, et al. **Psychopharmacology (Berlin)** 1984;83(1):62–9

Behavioral effects of phenobarbitone II. Effects in nursing female mice. Chapman JB, et al. **Psychopharmacology (Berlin)** 1983;81(3):252–7

L-Dopa and piribedil alter different components of attentional behavior dependent on dose. Cheal M. **Psychopharmacology (Berlin)** 1983;80(4):345–50

Early postnatal chlordiazepoxide administration: permanent behavioural effects in the mature rat and possible involvement of the GABA-benzodiazepine system. Coen E, et al. **Psychopharmacology (Berlin)** 1983;81(3):261–6

Modification of the behavioural effects of haloperidol and of dopamine receptor regulation by altered thyroid status. Crocker AD, et al. **Psychopharmacology (Berlin)** 1984; 82(1–2):102–6

Behavioural and biochemical effects in the adult rat after prolonged postnatal administration of clozapine. Cuomo V, et al. **Psychopharmacology (Berlin)** 1983;81(3):239–43

Behavioural tolerance to amphetamine and other psychostimulants: the case for considering behavioural mechanisms. Demellweek C, et al. **Psychopharmacology (Berlin)** 1983;80(4):287–307 (160 ref.)

Potentiation of the behavioural effects of the antidepressant phenelzine by deuterium substitution. Dourish CT, et al. **Psychopharmacology (Berlin)** 1983;81(2):122–5

Prenatal treatment with clomipramine: effects on the behaviour of male and female adolescent rats. File SE, et al. **Psychopharmacology (Berlin)** 1984;82(3):221–4

Effects of intracerebroventricular administration of prostaglandin D2 on behaviour, blood pressure and body temperature as compared to prostaglandins E2 and F2 alpha. Förstermann U, et al. **Psychopharmacology (Berlin)** 1983;80(4):365–70

The effects of exposure to diazepam during various stages of gestation or during lactation on the development and behavior of rat pups. Frieder B, et al. **Psychopharmacology (Berlin)** 1984;83(1):51–5

Hypersensitivity to d-amphetamine several years after early social deprivation in rhesus monkeys. Kraemer GW, et al. **Psychopharmacology (Berlin)** 1984;82(3):266–71

Functional tolerance to lorazepam in the rat. Lister RG, et al. **Psychopharmacology (Berlin)** 1983;81(4):292–4

Modulating role of lithium on dopamine turnover, prolactin release, and behavioral supersensitivity following haloperidol and reserpine. McIntyre IM, et al. **Psychopharmacology (Berlin)** 1983;81(2):150–4

Behavioural evidence that chronic treatment with the antidepressant desipramine causes reduced functioning of brain noradrenaline systems. Mason ST, et al. **Psychopharmacology (Berlin)** 1983;81(1):73–7

d-Amphetamine in squirrel monkeys of different social status: effects on social and agonistic behavior, locomotion, and stereotypies. Miczek KA, et al. **Psychopharmacology (Berlin)** 1983;81(3):183–90

Dopaminergic behaviour stereospecific promoted by the D1 agonist R-SK & F 38393 and selectively blocked by the D1 antagonist SCH 23390. Molloy AG, et al. **Psychopharmacology (Berlin)** 1984;82(4):409–10

Reinforcing properties of morphine and naloxone revealed by conditioned place preferences: a procedural examination. Mucha RF, et al. **Psychopharmacology (Berlin)** 1984;82(3):241–7

ZK 91296, a partial agonist at benzodiazepine receptors. Petersen EN, et al. **Psychopharmacology (Berlin)** 1984; 83(3):240–8

The effects of chronic lithium on behavioral and biochemical indices of dopamine receptor supersensitivity in the rat. Pittman KJ, et al. **Psychopharmacology (Berlin)** 1984; 82(4):371–7

Electroencephalographic and behavioral correlates in rats during repeated ethanol withdrawal syndromes. Poldrugo F, et al. **Psychopharmacology (Berlin)** 1984;83(2):140–6

Different behavioral mechanisms underlie tolerance to the anorectic effects of fenfluramine and quipazine. Rowland N, et al. **Psychopharmacology (Berlin)** 1983;81(2):155–7

Parametric influences on catalepsy. Sanberg PR, et al. **Psychopharmacology (Berlin)** 1984;82(4):406–8

Long term effects of chronic chlordiazepoxide (CDP) administration. Shemer A, et al. **Psychopharmacology (Berlin)** 1984;83(3):277–80

Behavioral effects of prolonged administration of delta 9-tetrahydrocannabinol in the rat. Stiglick A, et al. **Psychopharmacology (Berlin)** 1983;80(4):325–30

Acute and long-term effects of thyrotropin releasing hormone on behavior mediated by dopaminergic and cholinergic activities in mice. Ushijima I, et al. **Psychopharmacology (Berlin)** 1984;82(4):301–5

Inhibition of shaking movements in rats by central administration of cholinergic and adrenergic agents. Wei ET. **Psychopharmacology (Berlin)** 1983;81(2):111–4

Acquisition of behaviourally augmented tolerance to ethanol and its relationship to muscarinic receptors. Wigell AH, et al. **Psychopharmacology (Berlin)** 1984;83(1):88–92

Central administration of thyrotropin-releasing hormone and histidyl-proline-diketopiperazine disrupts the acquisition of a food rewarded task by a non-aversive action. Andrews JS, et al. **Regul Pept** 1983 Dec;7(4):373–83

Studies of somatostatin-induced barrel rotation in rats. Burke RE, et al. **Regul Pept** 1983 Nov;7(3):207–20

Effects of mammalian and avian neurotensins and neurotensin fragments on wet-dog shaking and body temperature in the rat. Widdowson PS, et al. **Regul Pept** 1983 Dec; 7(4):357–65

Some aspects on behavioral teratology research. Larsson K, et al. **Scand J Psychol** 1982;Suppl 1:97–103

Behavioral sensitivity to purinergic drugs parallels ethanol sensitivity in selectively bred mice. Proctor WR, et al. **Science** 1984 May 4;224(4648):519–21

GM1 ganglioside treatment facilitates behavioral recovery from bilateral brain damage. Sabel BA, et al. **Science** 1984 Jul 20;225(4659):340–2

Genetic factors in drug neuroteratogenicity. Yanai J. **Subst Alcohol Actions Misuse** 1983;4(1):19–30 (90 ref.)

Phencyclidine exposure and the developing mouse: behavioral teratological implications. Nicholas JM, et al. **Teratology** 1983 Dec;28(3):319–26

Behavioral and reproductive effects of chronic developmental exposure to brominated vegetable oil in rats. Vorhees CV, et al. **Teratology** 1983 Dec;28(3):309–18

Delayed behavioral toxicity of lead with increasing exposure concentration. Cory-Slechta DA, et al. **Toxicol Appl Pharmacol** 1983 Dec;71(3):342–52

Effect of triethyltin on autonomic and behavioral thermoregulation of mice. Gordon CJ, et al. **Toxicol Appl Pharmacol** 1984 May;73(3):543–50

The effect of a single administration of phencyclidine on behavior in the rat over a 21-day period. Haggerty GC, et al. **Toxicol Appl Pharmacol** 1984 Sep 30;75(3):444–53

Behavioral deficit (delayed matching to sample) in monkeys exposed from birth to low levels of lead. Rice DC. **Toxicol Appl Pharmacol** 1984 Sep 15;75(2):337–45

Behavioral alterations in offspring of female rats repeatedly exposed to cadmium oxide by inhalation. Barański B. **Toxicol Lett** 1984 Jul;22(1):53–61

Lack of behavioural teratogenic effect of phenytoin in rats. Cassidy SL, et al. **Toxicol Lett** 1984 Jul;22(1):39–46

Acute toxicity of vegetable oil factory effluent to some freshwater teleosts in relation to size. Kondal JK, et al. **Toxicol Lett** 1984 May;21(2):155–62

Developmental toxicity and psychotoxicity of FD and C red dye No. 40 (allura red AC) in rats. Vorhees CV, et al. **Toxicology** 1983;28(3):207–17

Developmental and behavioral effects of maternal alcohol exposure in rats. Iwasaki T, et al. **Yakubutsu Seishin Kodo** 1982 Jul;2(1):39–46

[Emovit and lonetil—behavioral and neurochemical studies] Val'dman AV, et al. **Eksp Med Morfol** 1983;22(2):59–64 (Eng. Abstr.) **(Bul)**

[Pheromone-induced communication of Argas (Persicargas) walkerae and biological chemical control using a combination of pheromone and a pheromone analog with flumethrin] Gothe R, et al. **Zentralbl Veterinarmed [B]** 1984 Apr;31(3):161–79 (Eng. Abstr.) **(Ger)**

[Behavioral and histological effects of prenatal exposure to diazepam in rats] Gai N, et al. **Harefuah** 1983 Nov 1; 105(9):249–52 (Eng. Abstr.) **(Heb)**

[Heterocyclic systems. IV. Synthesis and CNS activity of derivatives of 4H,6H-pyrrolo[1,2-a][4,1]-benzoxazepine] Massa S, et al. **Farmaco [Sci]** 1983 Nov;38(11):893–903 (Eng. Abstr.) **(Ita)**

[Pharmacological action of mazindol on behaviors and metabolism] Nagai K, et al. **Nippon Yakurigaku Zasshi** 1984 Feb;83(2):133–45 (Eng. Abstr.) **(Jpn)**

[Behavioral effects of ethyl loflazepate and its metabolites] Ueki S, et al. **Nippon Yakurigaku Zasshi** 1983 Nov; 82(5):395–409 (Eng. Abstr.) **(Jpn)**

[Pharmacological investigation of rotational behaviors produced by unilateral electrical stimulation of the substantia nigra in the rat] Watanabe H, et al. **Nippon Yakurigaku Zasshi** 1983 Oct;82(4):247–57 (Eng. Abstr.) **(Jpn)**

[A long-term qualitative behavioral change following chronic methamphetamine administration in Japanese monkeys (Macaca fuscata)] Kashiwabara K. **Yakubutsu Seishin Kodo** 1983 Dec;3(3):137–48 (Eng. Abstr.) **(Jpn)**

[Comparison of the effects of several psychotropic drugs by gross behavioral observation on rhesus monkeys] Kato S, et al. **Yakubutsu Seishin Kodo** 1981 Oct;1(1):29–37 (Eng. Abstr.) **(Jpn)**

[Effects of morphine on the successive generation] Suzuki T, et al. **Yakubutsu Seishin Kodo** 1981 Oct;1(1):49–58 (Eng. Abstr.) **(Jpn)**

[Effects of intraseptal microinjection of 6-hydroxydopamine

upon the time discrimination behavior in rats] Wada H, et al. **Yakubutsu Seishin Kodo** 1983 Sep;3(2):55–65 (Eng. Abstr.) **(Jpn)**

[Behavioral and radioreceptor analysis of viloxazine stereoisomers] Danchev ND, et al. **Biull Eksp Biol Med** 1984 May;97(5):576–8 (Eng. Abstr.) **(Rus)**

[Effect of hyperbaric oxygenation on animal behavior in resolving an extrapolation task] Krushinskiĭ LV, et al. **Dokl Akad Nauk SSSR** 1984 Jan–Feb;274(1):237–40 **(Rus)**

[Effect of a single ethanol administration on the behavior and the RNA-synthesizing activity of the cell nuclei of the cerebral cortex of the rat] Beliavtseva LM, et al. **Farmakol Toksikol** 1984 May–Jun;47(3):38–41 (Eng. Abstr.) **(Rus)**

[Effect of seduxen on conditioned reflex behavior and reactivity of the noradrenergic system of the rat brain] Kniazev GG, et al. **Farmakol Toksikol** 1983 Nov–Dec; 46(6):15–7 (Eng. Abstr.) **(Rus)**

[Monoaminergic mechanisms of the regulating effect of short peptides in simulating behavioral pathology] Val'dman AV, et al. **Patol Fiziol Eksp Ter** 1984 May–Jun;(3):60–7 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Pituitary and hypothalamic hormones as precursor molecules of neuropeptides. de Wied D. **Acta Morphol Hung** 1983; 31(1–3):159–79

Comparative studies with cyclic and linear somatostatin on active avoidance behaviour and open–field activity in rats. Vécsei L, et al. **Acta Physiol Hung** 1983;61(1–2):43–9

Visually guided switching of forelimb target reaching in cats. Alstermark B, et al. **Acta Physiol Scand** 1984 Jan; 120(1):151–3

The stride cycle of the cat: the modelling of locomotion by computerized analysis of automatic recordings. Halbertsma JM. **Acta Physiol Scand [Suppl]** 1983;521:1–75

The limbic system and behaviour. Koella WP. **Acta Psychiatr Scand [Suppl]** 1984;313:35–45

Behavioural data suggesting the plurality of central dopamine receptors. Costentin J, et al. **Adv Biochem Psychopharmacol** 1983;37:289–97

Modulation of dopamine receptor in the striatum by iron: behavioral and biochemical correlates. Youdim MB, et al. **Adv Neurol** 1984;40:159–70

Ethosecretogram: relation of behavior to plasma corticosterone in freely moving rats. Shiraishi I, et al. **Am J Physiol** 1984 Jul;247(1 Pt 2):R40–5

Cow–calf and sow–piglet behaviour in relation to colostrum ingestion. Broom DM. **Ann Rech Vet** 1983;14(4):342–8

Learning and courtship in Drosophila: two stories with mutants. Quinn WG, et al. **Annu Rev Neurosci** 1984;7:67–93 (122 ref.)

Regulation of breathing in the newborn during different behavioral states. Read DJ, et al. **Annu Rev Physiol** 1984; 46:675–85 (62 ref.)

Arbitrary time unit counts as a mean to evaluate animal activities. Ambrogi Lorenzini C, et al. **Arch Ital Biol** 1984 Jun;122(2):115–20

Continuous correlation between brain activities. Arduini A. **Arch Ital Biol** 1983 Aug;121(3):187–203

Behavioural changes following lesions of the orbital prefrontal cortex in male rats. de Bruin JP, et al. **Behav Brain Res** 1983 Dec;10(2–3):209–32

The replicated diallel cross: a generalized method of analysis. Crusio WE, et al. **Behav Genet** 1984 Jan;14(1):81–104

Paradoxical sleep in the dark period of the rat: a dissociation between electrophysiological and behavioral characteristics. Coenen AM, et al. **Behav Neural Biol** 1983 Mar;37(2):350–6

Ontogeny and adult behavior of mice with congenital neural tube defects. Cripps MM, et al. **Behav Neural Biol** 1983 May;38(1):127–32

Autotomy after nerve injury and its relation to spontaneous discharge originating in nerve–end neuromas. Devor M, et al. **Behav Neural Biol** 1983 Mar;37(2):276–83

Proactive behavioral effects of theta–blocking septal stimulation in the rat. Holt L, et al. **Behav Neural Biol** 1983 Sep;39(1):7–21

Hormonal regulation of sandbathing in male kangaroo rats (Dipodomys merriami). Lepri JJ, et al. **Behav Neural Biol** 1983 Mar;37(2):256–64

Strain differences in sympathetic–adrenal medullary responsiveness and behavior. McCarty R, et al. **Behav Neural Biol** 1984 Jan;40(1):98–113

Estrous cycle modulation of the attraction to odors in female golden hamsters. O'Connell RJ. **Behav Neural Biol** 1983 Mar;37(2):317–25

Changes in open–field behaviors following septal lesions in rats. Poplawsky A, et al. **Behav Neural Biol** 1983 May; 38(1):61–9

Preoperative differential housing and dorsal hippocampal lesions in rats. Dalrymple–Alford JC, et al. **Behav Neurosci** 1984 Feb;98(1):23–34

Evidence for anatomical but not functional asymmetry in the hemidecorticate rat. Kolb B, et al. **Behav Neurosci** 1984 Feb;98(1):44–58

Behavioral detection of 60–Hz electric fields by rats. Stern S, et al. **Bioelectromagnetics** 1983;4(3):215–47

The circadian locomotor rhythm of Hemideina thoracica (Orthoptera; Stenopelmatidae): a population of weakly coupled feedback oscillators as a model of the underlying pacemaker. Christensen ND, et al. **Biol Cybern** 1983; 47(3):165–72

Evidence that 5–hydroxytryptamine in the forebrain is involved in naloxone–precipitated jumping in morphine–dependent rats. Cervo L, et al. **Br J Pharmacol** 1983 Aug;79(4):993–6

Differentiation of basal ganglia dopaminergic involvement in behavior after hippocampectomy. Hannigan JH Jr, et al. **Brain Res** 1984 Jan 16;291(1):83–91

Studies of wet–dog shake behavior induced by septohippocampal stimulation in the rat. Le Gal La Salle G, et al. **Can J Physiol Pharmacol** 1983 Nov; 61(11):1299–304

Brain growth in young mice: evidence on the theory of phrenoblysis. Hahn ME, et al. **Dev Psychobiol** 1983 Sep; 16(5):377–83

Evolutionary biology, animal behavior, fourth–dimensional space, and the raison d'etre of drug metabolism and pharmacokinetics. Boxenbaum H. **Drug Metab Rev** 1983; 14(5):1057–97 (158 ref.)

Differential sensitivity to morphine in nervous and normal pointer dogs. Angel C, et al. **Eur J Pharmacol** 1983 Aug 5;91(4):485–91

Oxytocin is a precursor of potent behaviourally active neuropeptides. Burbach JP, et al. **Eur J Pharmacol** 1983 Oct 14;94(1–2):125–31

Serotonergic–catecholaminergic interactions and foot shock–induced jumping behavior in rats. Nishikawa T, et al. **Eur J Pharmacol** 1983 Oct 14;94(1–2):53–8

Toward the behavioral assessment of biological aging in the laboratory mouse: concepts, terminology, and objectives. Ingram DK. **Exp Aging Res** 1983 Winter;9(4):225–38

Daily behavioral manipulation increases the total immunoreactive serum neurophysin concentrations irrespective of the duration of water deprivation in rats. Crine AF. **Exp Brain Res** 1983;52(1):20–4

Superior temporal lesions and delayed auditory matching in monkeys. Costalupes JA. **Exp Neurol** 1984 May; 84(2):478–83

Lesions of the mediodorsal thalamic nucleus do not change thresholds for hypothalamic defensive attack in cats. Maeda H, et al. **Exp Neurol** 1983 Oct;82(1):64–72

Rotational behavior in the cat induced by electrical stimulation of the pulvinar–lateralis posterior nucleus complex: role of the cholinergic system. Motles E, et al. **Exp Neurol** 1983 Oct;82(1):43–54

Corticoadrenal and behavioral response to open field in pairs of male rats either familiar or non–familiar to each other. Armario A, et al. **Experientia** 1983 Nov 15;39(11):1316–7

Effect of nucleus accumbens destruction in rat. Fantin G, et al. **Experientia** 1984 Jun 15;40(6):573–5

Individually housed rats exceed group–housed animals in rotational movements when exposed to a novel environment. Gentsch C, et al. **Experientia** 1983 Dec 15; 39(12):1412–4

Aging and habituation of the tarsal response in Drosophila melanogaster. Le Bourg E. **Gerontology** 1983;29(6):388–93

Simultaneous study of haemodynamic, metabolic and behavioural sequelae in a model of cerebral ischaemia in aged rats: effects of nicergoline. Le Poncin–Lafitte M, et al. **Gerontology** 1984;30(2):109–19

Variations in circulating thyroxine and triiodothyronine concentration in relation to spring migration in rosy pastor, Sturnus roseus. Pathak VK, et al. **Horm Behav** 1984 Jun; 18(2):111–6

Hemisphere lateralization of inductive and deductive processes. Bianki VL. **Int J Neurosci** 1983 Jul;20(1–2):59–73

Hippocampal damage: effects on dopaminergic systems of the basal ganglia. Isaacson RL. **Int Rev Neurobiol** 1984; 25:339–59

Factors relating to urine spraying and fighting in prepubertally gonadectomized cats. Hart BL, et al. **J Am Vet Med Assoc** 1984 May 15;184(10):1255–8

Altered endocrine pancreatic function following vagotomy: possible behavioral and metabolic bases for assessing completeness of vagotomy. Campfield LA, et al. **J Auton Nerv Syst** 1983 Oct;9(1):283–300

Genetic influences on digging behaviors in mice (Mus musculus) in laboratory and seminatural settings. Dudek BC, et al. **J Comp Psychol** 1983 Sep;97(3):249–59

Progesterone induces incubatory changes in the brooding pouch of the frog Gastrotheca riobambae (Fowler). del Pino EM. **J Exp Zool** 1983 Jul;227(1):159–63

Nocifensive responses to cutaneous thermal stimuli in the cat: stimulus–response profiles, latencies, and afferent activity. Casey KL, et al. **J Neurophysiol** 1983 Dec; 50(6):1497–515

Conditioned modification of locomotion in Hermissenda crassicornis: analysis of time–dependent associative and nonassociative components. Crow T. **J Neurosci** 1983 Dec; 3(12):2621–8

Neural circuits for jumping in the locust. Pearson KG. **J Physiol (Paris)** 1982–83;78(8):765–71

Lateral inhibition mediated by a non–spiking interneuron: circuit properties and consequences for behavior. Reichert H, et al. **J Physiol (Paris)** 1982–83;78(8):786–92

Long–term effects of behavioral testing on serum hormones and brain weight. Uphouse L, et al. **Life Sci** 1983 Oct 3; 33(14):1395–400

Differential diagnosis of brain disease. Feline behavior. Parker AJ. **Mod Vet Pract** 1982 Sep;63(9):711–5

Rat climbing behavior elicited by stimulation of cerebral dopamine receptors. Protais P, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Feb; 325(2):93–101

Life–long dietary restriction affects striatally–mediated behavioral responses in aged rats. Joseph JA, et al. **Neurobiol Aging** 1983 Fall;4(3):191–6

Behavioral testing of progenies of Tx (hypothyroid) and growth hormone–treated Tx rats: an animal model for mental retardation. Hendrich CE, et al. **Neuroendocrinology** 1984 Jun;38(6):429–37

Roles of dopamine and 5–hydroxytryptamine in stereotyped and non–stereotyped behaviour. Dickinson SL, et al. **Neuropharmacology** 1983 Jul;22(7):805–12

Stress: behavioral and biological interactions. McCarty R. **Neurosci Biobehav Rev** 1983 Winter;7(4):483–4

Behavioral and neuronal reorganization after unilateral substantia nigra lesions: evidence for increased interhemispheric nigrostriatal projections. Pritzel M, et al. **Neuroscience** 1983 Aug;9(4):879–88

Behavioral evidence for an opiate pituitary mechanism subserving conditioned analgesia. Gaiardi M, et al. **Pain** 1983 Sep;17(1):83–9

The open–field behaviour of mice infected with Trichinella pseudospiralis. Rau ME. **Parasitology** 1984 Jun;88 (Pt 3):415–9

Duration of tonic immobility in chickens as a function of alpha–adrenergic receptor stimulation and blockade. Hennig CW, et al. **Pharmacol Biochem Behav** 1984 May; 20(5):731–8

Resistance of schedule–induced behaviours to hippocampal lesions. Tang C, et al. **Pharmacol Biochem Behav** 1984 Apr; 20(4):537–41

Involvement of neurohypophyseal peptides in drug–mediated adaptive responses. van Ree JM, et al. **Pharmacol Biochem Behav** 1980;13 Suppl 1:257–63

Behavioral effects of lesions of the central noradrenergic bundles in the rat. Verleye M, et al. **Pharmacol Biochem Behav** 1983 Sep;19(3):407–14

Rotational behavior following cholinergic stimulation of the superior colliculus in rats. Weldon DA, et al. **Pharmacol Biochem Behav** 1983 Nov;19(5):813–20

Neurological reactivity during medial prefrontal cortex stimulation: effects of self–stimulation experience. Corbett D, et al. **Physiol Behav** 1983 Dec;31(6):771–6

Effect of a cold ambient temperature on the rat's food hoarding behavior. Fantino M, et al. **Physiol Behav** 1984 Feb;32(2):183–90

Operant licking in rabbits for intraoral injection of basic types of tastants. Schwartzbaum JS. **Physiol Behav** 1983 Oct; 31(4):445–51

Comparisons of behavioral, motoric and electrical criteria for assessment of sleep–wake states in the rabbit. Zeidner LP, et al. **Physiol Behav** 1983 Sep;31(3):273–8

Tonic immobility responses of white leghorn hens affected by induction techniques and genetic stock differences. Craig JV, et al. **Poult Sci** 1984 Jan;63(1):1–10

Evidence for parallel actions of a molluscan neuropeptide and serotonin in mediating arousal in Aplysia. Lloyd PE, et al. **Proc Natl Acad Sci USA** 1984 May;81(9):2934–7

Mutations in the dopa decarboxylase gene affect learning in Drosophila. Tempel BL, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(11):3577–81

Relationships between behavioural states and activity of the cerebral cortex. Paisley AC, et al. **Prog Neurobiol** 1984; 22(2):155–84 (142 ref.)

Behavioural plasticity and the cholinergic system. Overstreet DH. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(1):133–51

Corticomedial amygdala lesions, behavior, corticosterone, and prolactin: unexpected separation of effects. Seggie J. **Psychiatry Res** 1983 Oct;10(2):139–50

An investigation of the effects of intracerebral injection in the marmoset of cytopathic cerebrospinal fluid from patients with schizophrenia or neurological disease. Baker HF, et al. **Psychol Med** 1983 Aug;13(3):499–511

Recovery of function after brain damage: an animal model of the behavioral deficit and its reversal. LeVere TE, et al. **Psychopharmacol Bull** 1983;19(3):290–7

Prior behavioral experience can reverse the effects of morphine. Barrett JE, et al. **Psychopharmacology (Berlin)** 1983;81(2):107–10

Memory and the septo–hippocampal cholinergic system in the rat. Brito GN, et al. **Psychopharmacology (Berlin)** 1983; 81(4):315–20

The validity of animal models of depression. Willner P. **Psychopharmacology (Berlin)** 1984;83(1):1–16 (250 ref.)

Stereocilia of sensory cells in normal and hearing impaired ears. A morphological, physiological and behavioural study. Engström B. **Scand Audiol [Suppl]** 1983;19:1–34

Neuropeptides and behavior: ACTH. Gispen WH. **Scand J Psychol** 1982;Suppl 1:16–25

The ontogeny of defensive reactions in the rat: influence of the monoamine transmission systems. Hård E, et al. **Scand J Psychol** 1982;Suppl 1:90–6

How genes control an innate behavior. Scheller RH, et al. **Sci Am** 1984 Mar;250(3):54–62

In situ hybridization to study the origin and fate of identified neurons. McAllister LB, et al. **Science** 1983 Nov 18; 222(4625):800–8 (55 ref.)

Behavioral performance of rats following transient forebrain ischemia. Volpe BT, et al. **Stroke** 1984 May–Jun; 15(3):558–62

[Beneficial effects of pituitary grafts under the renal capsule on behavior of dwarf mutant mice] Bouchon R, et al. **J Physiol (Paris)** 1984;79(3):129–31 (Eng. Abstr.) **(Fre)**

[Behavior of fallow deer in agricultural preserves] Bogner H. **Berl Munch Tierarztl Wochenschr** 1984 Jun 1; 97(6):213–5 (Eng. Abstr.) **(Ger)**

[A programmable controller for behavioral experiments] Suzuki H. **Nippon Seirigaku Zasshi** 1983;45(3):119–33 **(Jpn)**

[Ethological analysis of monkey behavior in biomedical research] Deriagina MA, et al. **Biol Nauki** 1984;(7):57–61 (Eng. Abstr.) **(Rus)**

[Brain xenograft in frogs and a change in the animals' behavior] Aleksandrova MA, et al. **Dokl Akad Nauk SSSR** 1984;274(3):711–5 **(Rus)**

[Effect of the transplantation of noradrenergic nerve tissue on the brain noradrenaline level and on the behavior of rats with destroyed catecholaminergic systems] Bragin AG, et al. **Dokl Akad Nauk SSSR** 1984;276(4):999–1002 **(Rus)**

[The striatonigral dopaminergic system and its role in adaptive conditioned reflex behavior] Suvorov NF, et al. **Fiziol Zh SSSR** 1984 May;70(5):594–600 (Eng. Abstr.) **(Rus)**

[Genetic endocrine and ethological mechanisms of differential reproduction. I. A comparative genetic analysis of the basal testosterone level in the blood plasma and the relative weight of the testicles and accessory sex glands in male laboratory mice] Osadchuk AV, et al. **Genetika (Moskva)** 1983 Aug;19(8):1265–72 (Eng. Abstr.) **(Rus)**

[Teachings of A. A. Ukhtomskii on the dominant brain as the vector of behavior] Sokolova LV. **Nerv Sist** 1982; 23:5–13 **(Rus)**

[Behavioral characteristics of young rats during neurotization] Krybus AN. **Patol Fiziol Eksp Ter** 1984 May–Jun;(3):10–3 (Eng. Abstr.) **(Rus)**

[Interaction of the dominant and conditioned reflex as a functional unit of behavioral organization] Simonov PV. **Usp Fiziol Nauk** 1983 Jul–Sep;14(3):14–23 (59 ref.) **(Rus)**

[Structural-functional organizational bases of complex forms of behavior in vertebrates] Maliukova IV. **Zh Evol Biokhim Fiziol** 1983 Sep–Oct;19(5):461–7 (Eng. Abstr.) **(Rus)**

[Ecological characteristics of higher nervous activity in dolphins] Protasov VA. **Zh Obshch Biol** 1983 Jul–Aug; 44(4):501–12 (Eng. Abstr.) **(Rus)**

[Individual features of the mediator-hormonal correlates of behavior in the rat] Mekhedova Ala, et al. **Zh Vyssh Nerv Deiat** 1983 Jul–Aug;33(4):671–8 (Eng. Abstr.) **(Rus)**

[Brain catecholamines in animals of various degrees of aggressiveness] Lerdo de Tejada A, et al. **Gac Med Mex** 1984 Jan;120(1):25–8 **(Spa)**

RADIATION EFFECTS

Behavioral and autonomic thermoregulation in mice exposed to microwave radiation. Gordon CJ. **J Appl Physiol** 1983 Oct;55(4):1242–8

Studies of the teratogenic potential of exposure of rats to 6000-MHz microwave radiation. II. Postnatal psychophysiologic evaluations. Jensh RP. **Radiat Res** 1984 Feb;97(2):282–301

[Effect of a modulated UHF field on the behavior and hormone level of female rats under emotional stress] Rasulov MM. **Patol Fiziol Eksp Ter** 1984 May–Jun;(3):13–6 (Eng. Abstr.) **(Rus)**

BEHAVIOR MODIFICATION see **BEHAVIOR THERAPY**

BEHAVIOR THERAPY

Hypnotic desensitization for the management of anticipatory emesis in chemotherapy. Hoffman ML. **Am J Clin Hypn** 1982 Oct–1983 Jan;25(2–3):173–6

Reducing distress in pediatric cardiac catheterization. Naylor D, et al. **Am J Dis Child** 1984 Aug;138(8):726–9

Reducing medication use in a chronic pain management program. Kientz JE, et al. **Am J Hosp Pharm** 1983 Dec; 40(12):2156–8

Does behavior therapy normalize the classroom behavior of hyperactive children? Abikoff H, et al. **Arch Gen Psychiatry** 1984 May;41(5):449–54

Recent advances in the pharmacologic and behavioral management of chemotherapy-induced emesis. Stoudemire A, et al. **Arch Intern Med** 1984 May;144(5):1029–33 (37 ref.)

Enuresis: comparison of two treatments. Lynch NT, et al. **Arch Phys Med Rehabil** 1984 Feb;65(2):98–100

Studying effects of psychotherapy by the Defense Mechanism Test—two case illustrations. Kragh U. **Arch Psychol (Frankf)** 1983;135(1):73–82

The consistency of behavioral inconsistencies. Kreitler S, et al. **Arch Psychol (Frankf)** 1983;135(3):199–218

Group treatment for female sexual dysfunction. Weiss L, et al. **Ariz Med** 1983 Sep;40(9):626–8

The Marcus-Gunn phenomenon: fortuitous desensitisation using biofeedback. Large RG. **Aust NZ J Psychiatry** 1984 Mar;18(1):89–91

It may not be worth the effort! Trained judges' global ratings as a criterion measure of social skills and anxiety. Wallander JL, et al. **Behav Modif** 1983 Apr;7(2):139–50

Binge eating and outcome of behavioral treatment of obesity: a preliminary report. Keefe PH, et al. **Behav Res Ther** 1984; 22(3):319–21

Desynchrony following the treatment of pain behaviour. Kincey J, et al. **Behav Res Ther** 1984;22(1):85–6

Assertion training: the effectiveness of a comprehensive cognitive—behavioral treatment package with professional nurses. McIntyre TJ, et al. **Behav Res Ther** 1984;22(3):311–8

Two-year follow-up of agoraphobics after exposure and imipramine. Cohen SD, et al. **Br J Psychiatry** 1984 Mar; 144:276–81

Response to tranylcypromine and thought stopping in obsessional disorder. Swinson RP. **Br J Psychiatry** 1984 Apr;144:425–7

Psychopharmacologic and behavioral approaches to chronic arthritic pain. Zorumski CF, et al. **Compr Ther** 1984 Aug; 10(8):35–9

Crying-induced bronchospasm in childhood asthma: combined pharmacologic and behavioral management. Weinstein AG. **Del Med J** 1984 Aug;56(8):473–6

Effects of enhanced conventional therapy on metabolic control in children with insulin-dependent diabetes mellitus. Daneman D, et al. **Diabetes Care** 1982 Sep–Oct; 5(5):472–8

A behavioural approach to improving traffic behaviour of young children. Rothengatter T. **Ergonomics** 1984 Feb; 27(2):147–60

A classroom experience to improve young children's views of the elderly. Kamenir CL. **Gerontol Geriatr Educ** 1983 Fall;4(1):97–109

Environmental programming for the socially isolated aging. MacDonald ML. **Gerontologist** 1978 Aug;18(4):350–4

Adolescents in residential treatment, Hawaii, 1973–1978. Brandon V. **Hawaii Med J** 1983 Nov;42(11):372–6

Behavioral assessment and treatment of child migraine: implications for clinical research and practice. Hoelscher TJ, et al. **Headache** 1984 Mar;24(2):94–103

Treating agoraphobia [letter] Barley WD. **Hosp Community Psychiatry** 1984 Jul;35(7):733

Behavior therapy: an overview. O'Neill GW, et al. **Hosp Community Psychiatry** 1983 Aug;34(8):709–15 (56 ref.)

The role of relaxation in behavioral therapies for chronic pain. Kutz I, et al. **Int Anesthesiol Clin** 1983 Winter; 21(4):193–200

The Cordon study of weight reduction based on behaviour modification. Baanders-van Halewijn EA, et al. **Int J Obes** 1984;8(2):161–70

Nurse therapist trainee variability: the implications for selection and training. Brooker C, et al. **J Adv Nurs** 1983 Jul;8(4):321–8

The repeated pretest-posttest single-subject experiment: a new design for empirical clinical practice. Thyer BA, et al. **J Behav Ther Exp Psychiatry** 1983 Dec;14(4):311–5

Dilemmas in evaluating behaviour-change strategies in disease prevention [letter] McDowell I. **J Chronic Dis** 1984; 37(2):144–7

Depot neuroleptics: the relevance of psychosocial factors—a United States perspective. Hogarty GE. **J Clin Psychiatry** 1984 May;45(5 Pt 2):36–42

Rational-emotive therapy versus systematic desensitization: a comment on Moleski and Tosi. Atkinson L. **J Consult Clin Psychol** 1983 Oct;51(5):776–8

Sex role identity, marital satisfaction, and response to behavioral marital therapy. Baucom DH, et al. **J Consult Clin Psychol** 1984 Jun;52(3):438–44

Self-efficacy and relapse in smoking cessation: a replication and extension. McIntyre KO, et al. **J Consult Clin Psychol** 1983 Aug;51(4):632–3

Treatment of nightmares via relaxation and desensitization: a controlled evaluation. Miller WR, et al. **J Consult Clin Psychol** 1983 Dec;51(6):870–7

Maintenance strategies for the treatment of obesity: an evaluation of relapse prevention training and posttreatment contact by mail and telephone. Perri MG, et al. **J Consult Clin Psychol** 1984 Jun;52(3):404–13

An experimental analysis of the interaction of chemotherapy and behavior therapy in anorexia nervosa. Munford PR, et al. **J Nerv Ment Dis** 1984 Apr;172(4):228–31

Assertiveness training for hospitalized, emotionally disturbed women. Fishel AH, et al. **J Psychosoc Nurs Ment Health Serv** 1983 Nov;21(11):22–7

A review of cognitive-behavioural methods for the treatment of chronic pain. Pearce S. **J Psychosom Res** 1983; 27(5):431–40 (21 ref.)

Skills not pills: learning to cope with anxiety symptoms. Skinner PT. **J R Coll Gen Pract** 1984 May;34(262):258–60

Drugs and exposure treatment in phobic and obsessive-compulsive disorders [editorial] Marks I. **J R Soc Med** 1984 Jul;77(7):539–40

Self-management strategies in rehabilitation. Sawyer HW, et al. **J Rehabil** 1984 Jan–Mar;50(1):27–30

Ethical theories for promoting health through behavioral change. O'Connell JK, et al. **J Sch Health** 1983 Oct; 53(8):476–9

Contingent self-stimulation for stuttering. Martin RR, et al. **J Speech Hear Disord** 1982 Nov;47(4):407–13

Treatment of an obsessive compulsive disorder by desensitisation. Etheridge AF. **Med J Malaysia** 1983 Jun; 38(2):137–41

Microcomputer data analysis at the clinical mental retardation site. Nolley D, et al. **Ment Retard** 1984 Apr; 22(2):85–9

Effectiveness of isolation in the reduction of cigarette smoking. Deaton JE. **Milit Med** 1983 Sep;148(9):750–3

Coronary heart disease and human behavior. Carleton RA, et al. **Prev Med** 1983 Sep;12(5):610–8

A fundamental problem in behavior modification with institutionalized mental retardates. Goldman JJ. **Psychiatr Q** 1983 Spring;55(1):65–9

The efficacy of cognitive behavior therapies: a quantitative review of the research evidence. Miller RC, et al. **Psychol Bull** 1983 Jul;94(1):39–53 (51 ref.)

Awareness: an understudied cognitive factor in behavior therapy. Ladouceur R, et al. **Psychol Rep** 1984 Feb; 54(1):159–78

The treatment of asthma with behavioral intervention: does it work? LeBaron S, et al. **Tex Med** 1983 Jul;79(7):40–2 (16 ref.)

[A severe case of obsessional psychoneurosis treated with behavior therapy, then narcoanalysis] Scherrer P, et al. **Ann Med Psychol (Paris)** 1983 Nov;141(9):987–97 **(Fre)**

[The social environment and obesity] Creţeanu G, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Apr–Jun;87(2):279–81 **(Rum)**

[Exercise therapy—a variant of behavior therapy in patients with early variants of alcoholism] Lapitskil FG, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 Sep–Oct;(5):40–2 (Eng. Abstr.) **(Rus)**

[The contribution of behavior psychotherapy] De Urquiza CT. **Acta Psiquiatr Psicol Am Lat** 1984 Mar;30(1):49–54 (Eng. Abstr.) **(Spa)**

[Short-term treatment of obesity: comparison between anorexigens and behavior modification] Hernández A, et al. **Rev Med Chil** 1984 Feb;112(2):132–8 (Eng. Abstr.) **(Spa)**

[Behavior therapy in psychiatry—an overview] Ost LG, et al. **Lakartidningen** 1983 Aug 10;80(32–33):2891–5 **(Swe)**

[Behavior therapy in psychiatry – a review] Ost LG, et al. **Nord Med** 1984;99(1):18–22 (Eng. Abstr.) **(Swe)**

ADVERSE EFFECTS

The negative side effects of reward. Balsam PD, et al. **J Appl Behav Anal** 1983 Fall;16(3):283–96

ECONOMICS

Cost effectiveness of alcoholism treatment in partial vs inpatient settings. Six-month outcomes. Longabaugh R, et al. **J Stud Alcohol** 1983 Nov;44(6):1049–71

EDUCATION

The relevance of nurses' characteristics in learning behaviour therapy. Milne D. **J Adv Nurs** 1984 Mar;9(2):175–9

Training Mexican American mental health personnel in behavior therapy. Stumphauzer JS, et al. **J Behav Ther Exp Psychiatry** 1983 Sep;14(3):215–7 (7 ref.)

Behavioural group training with parents of mentally retarded children. Hornby G, et al. **J Ment Defic Res** 1984 Mar; 28 (Pt 1):43–52

INSTRUMENTATION

Evaluation of nine different types of enuresis alarms. Goel KM, et al. **Arch Dis Child** 1984 Aug;59(8):748–52

Evaluation of nine different types of enuresis alarms. Commentary. Meadow R. **Arch Dis Child** 1984 Aug; 59(8):752–3

Recent technological advancements in the treatment of enuresis. Theory and commercial devices. Mountjoy PT, et al. **Behav Modif** 1984 Jul;8(3):291–315

Contingent application of a protective device to treat the severe self-biting behavior of a disturbed autistic child. Neufeld A, et al. **J Behav Ther Exp Psychiatry** 1984 Mar; 15(1):79–83

Nocturnal activity and the enuresis alarm device. Crisp AH, et al. **Postgrad Med J** 1984 Apr;60(702):280–1

METHODS

Prognostic factors with four treatment methods for phobic disorders. Persson G, et al. **Acta Psychiatr Scand** 1984 Apr; 69(4):307–17

Relation between outcome and the patient's initial experience of the therapist and therapeutic conditions in four treatment methods for phobic disorders. Persson G, et al. **Acta Psychiatr Scand** 1984 Apr;69(4):296–306

A cognitive-behavioral approach to substance abuse prevention. Botvin GJ, et al. **Addict Behav** 1984;9(2):137–47

Joiners and non-joiners in smoking treatment: a comparison of psychosocial variables. Brod MI, et al. **Addict Behav** 1984;9(2):217–21

Addictive behaviors and life problems before and after behavioral treatment of problem drinkers. Miller WR, et al. **Addict Behav** 1983;8(4):403–12

An investigation of a minimal contact brand fading program for smoking treatment. Prue DM, et al. **Addict Behav** 1983; 8(3):307–10

A randomized trial comparing smoking cessation programs utilizing behaviour modification, health education or hypnosis. Rabkin SW, et al. **Addict Behav** 1984;9(2):157–73

Do behavioral treatments of obesity last? A five-year follow-up investigation. Stalonas PM, et al. **Addict Behav** 1984;9(2):175–83

The Master Questionnaire: preliminary report on an obesity assessment device. Straw MK, et al. **Addict Behav** 1984; 9(1):1–10

Assertion training with adolescents. Waksman SA. **Adolescence** 1984 Spring;19(73):123–30

A controlled evaluation of assertion training with adolescents. Waksman SA. **Adolescence** 1984 Summer; 19(74):277–82

Comparison of prompt sequences. Glendenning NJ, et al. **Am J Ment Defic** 1983 Nov;88(3):321–5

Stereotypic responding: a review of intervention research. LaGrow SJ, et al. **Am J Ment Defic** 1984 May; 88(6):595–609 (43 ref.)

Behavioral treatment of psychosomatic complaints of mentally retarded adults. Matson JL. **Am J Ment Defic** 1984 May;88(6):638–46

Reduction of tongue protrusion of a 24–year–old woman with Down syndrome through self–monitoring. Rudrud EH, et al. **Am J Ment Defic** 1984 May;88(6):647–52

Behavioral treatment of myopia: refractive error and acuity changes in relation to axial length and intraocular pressure. Rosen RC, et al. **Am J Optom Physiol Opt** 1984 Feb; 61(2):100–5

Social skills training for psychiatric patients. I: Concepts, methods, and clinical results. Brady JP. **Am J Psychiatry** 1984 Mar;141(3):333–40 (65 ref.)

Social skills training for psychiatric patients, II: Clinical outcome studies. Brady JP. **Am J Psychiatry** 1984 Apr; 141(4):491–8 (52 ref.)

'The children's feedback game': an approach for modifying disruptive group behavior. Epstein YM, et al. **Am J Psychother** 1984 Jan;38(1):63–72

The controlled–drinking controversy. A commentary. Marlatt GA. **Am Psychol** 1983 Oct;38(10):1097–110 (60 ref.)

Modifying and developing health behavior. Green LW. **Annu Rev Public Health** 1984;5:215–36 (194 ref.)

A streamlined weight loss program for moderately retarded adults in a sheltered workshop setting. Fox RA, et al. **Appl Res Ment Retard** 1984;5(1):69–79

Assessment and reduction of food stealing in Prader–Willi children. Page TJ, et al. **Appl Res Ment Retard** 1983; 4(3):219–28

Behavioral monitoring of pharmacological interventions for self–injury. Singh NN, et al. **Appl Res Ment Retard** 1984; 5(1):161–70

Effects of facial screening and blindfold on self–injurious behavior. Winton AS, et al. **Appl Res Ment Retard** 1984; 5(1):29–42

Behavior therapy [letter] Feldman J. **Arch Gen Psychiatry** 1984 Jan;41(1):107

Cognitive therapy and pharmacotherapy. Singly and together in the treatment of depression. Murphy GE, et al. **Arch Gen Psychiatry** 1984 Jan;41(1):33–41

The process of change in cognitive therapy and pharmacotherapy for depression. Changes in mood and cognition. Simons AD, et al. **Arch Gen Psychiatry** 1984 Jan;41(1):45–51

Overcoming uncooperative behavior with the dentist. Fredericks HD, et al. **ASDC J Dent Child** 1984 Jan–Feb; 51(1):53–7

Dental health behavior modification: a school–based program. Weesner BW Jr. **ASDC J Dent Child** 1983 Sep–Oct;50(5):349–52

Behavioural management for toddlers. Prior M. **Aust Fam Physician** 1983 Jul;12(7):513–5

The use of relaxation/densensitization in treating anxiety associated with flying. Aitken JR, et al. **Aviat Space Environ Med** 1984 Mar;55(3):196–9

Faking 'turn–ons' and 'turn–offs'. The effects of competitory covert imagery on penile tumescence responses to diverse extrinsic sexual stimulus materials. Alford GS, et al. **Behav Modif** 1983 Jan;7(1):112–25

The self–control triad. Description and clinical applications. Cautela JR. **Behav Modif** 1983 Jul;7(3):299–315

Modification of inattentive classroom behavior. Hyperactive children's use of self–recording with teacher guidance. Christie DJ, et al. **Behav Modif** 1984 Jul;8(3):391–406

Stimulus control and chronic pain behavior. A study of low back and head/neck/face pain patients. Cinciripini PM. **Behav Modif** 1983 Apr;7(2):243–54

Weight control among coworkers. Effects of monetary contingencies and social milieu. Colvin RH, et al. **Behav Modif** 1983 Jan;7(1):64–75

A comparison of staff training procedures. Behavioral applications in the child psychiatric inpatient setting. Delamater AM, et al. **Behav Modif** 1984 Jan;8(1):39–58

Treatment of posttraumatic stress disorder. Evaluating outcome with a behavioral code. Fairbank JA, et al. **Behav Modif** 1983 Oct;7(4):557–68

Self–exposure treatment of agoraphobia. Frame CL, et al. **Behav Modif** 1984 Jan;8(1):115–22

Reduction of disruptive behaviors in mentally retarded adults. A self–management approach. Gardner WI, et al. **Behav Modif** 1983 Jan;7(1):76–96

Increasing and maiataining rates of teacher praise. A study using public posting and feedback fading. Gross AM, et al. **Behav Modif** 1983 Jan;7(1):126–35

Discrimination of blood glucose levels in insulin–dependent diabetics. Gross AM, et al. **Behav Modif** 1983 Jul; 7(3):369–82

Children with diabetes. Social skills training and hemoglobin A1c levels. Gross AM, et al. **Behav Modif** 1983 Apr; 7(2):151–64

Generalization and maintenance of language responses. A study across trainers, schools, and home settings. Haavik SF, et al. **Behav Modif** 1984 Jul;8(3):331–59

Heterosocial anxiety in college females. A biased interactions treatment. Haemmerlie FM. **Behav Modif** 1983 Oct; 7(4):611–23

Additive effects of dexedrine and self–control training. A multiple assessment. Horn WF, et al. **Behav Modif** 1983 Jul;7(3):383–402

Emergency fire–safety skills for blind children and adolescents. Group training and generalization. Jones RT, et al. **Behav Modif** 1984 Apr;8(2):267–86

Multitreatment of obsessive–compulsive checking in a geriatric patient. Junginger J, et al. **Behav Modif** 1984 Jul; 8(3):379–90

Assessing subjective responses to assertive behavior. Data from patient samples. Keane TM, et al. **Behav Modif** 1983 Jul;7(3):317–30

Cognitive changes during in vivo exposure in an agoraphobic. Last CG, et al. **Behav Modif** 1984 Jan;8(1):93–113

Cognitive change during treatment of agoraphobia. Behavioral and cognitive–behavioral approaches. Last CG, et al. **Behav Modif** 1984 Apr;8(2):181–210

Social skills training with relapsing schizophrenics. An experimental analysis. Liberman RP, et al. **Behav Modif** 1984 Apr;8(2):155–79

'Booster shots' following didactic parent training. Effects of follow–up using graphic feedback and instructions. McDonald MR, et al. **Behav Modif** 1983 Apr;7(2):211–23

Structured learning therapy. A study with chronic psychiatric patients and level of pathology. Magaro PA, et al. **Behav Modif** 1983 Jan;7(1):29–40

A travel training travel. Reducing wandering in a residential center for developmentally disabled persons. Padgett WL, et al. **Behav Modif** 1984 Jul;8(3):317–30

Carbamazepine and behavior therapy for aggressive behavior. Treatment of a mentally retarded, postencephalitic adolescent with seizure disorder. Rapport MD, et al. **Behav Modif** 1983 Apr;7(2):255–65

Eliminating stealing. Use of stimulus control with an elementary student. Rosen HS, et al. **Behav Modif** 1983 Jan;7(1):56–63

Behavior modification and the treatment of myopia. Rosen RC, et al. **Behav Modif** 1984 Apr;8(2):131–54

Interpersonal adjustment of a homosexual adult. Enhancement via social skills training. St. Lawrence JS, et al. **Behav Modif** 1983 Jan;7(1):41–55

Therapy outcome research. Threats to treatment integrity. Salend SJ. **Behav Modif** 1984 Apr;8(2):211–22

The modification of parent behavior. A review of generalization and maintenance. Sanders MR, et al. **Behav Modif** 1983 Jan;7(1):3–27

Behavioral treatment of self–stimulation in the developmentally disabled. A methodological review. Schrader C, et al. **Behav Modif** 1983 Apr;7(2):267–94

Treatment of compulsive looking by imaginal thought–stopping. Turner SM, et al. **Behav Modif** 1983 Oct; 7(4):576–82

Peer observation in decreasing uncooperative behavior in young dental patients. Williams JA, et al. **Behav Modif** 1983 Apr;7(2):225–42

Relaxation for the treatment of headache. Controlled evaluation of two group programs. Williamson DA, et al. **Behav Modif** 1984 Jul;8(3):407–24

Behavioral treatment of the elderly. Implications for theory and therapy. Williamson PN, et al. **Behav Modif** 1983 Oct; 7(4):583–610

Reliability of psychophysiological assessment. Arena JG, et al. **Behav Res Ther** 1983;21(4):447–60

Treatment of adolescent agoraphobics: effects on parent–adolescent relations. Barlow DH, et al. **Behav Res Ther** 1983;21(5):519–26 (35 ref.)

The behavioural treatment of school refusal—a comparative study. Blagg NR, et al. **Behav Res Ther** 1984;22(2):119–27

Improving visual acuity in a myopic child: assessing compliance and effectiveness. Blount RL, et al. **Behav Res Ther** 1984;22(1):53–7

Contingency management in writing and the appearance of creative ideas: implications for the treatment of writing blocks. Boice R. **Behav Res Ther** 1983;21(5):537–43 (31 ref.)

Critical issues in the evaluation of behavioral training for myopia: a reply to Matson, Helsel and LaGrow. Collins FL Jr, et al. **Behav Res Ther** 1984;22(2):195–6

Smoking cessation with behaviour therapy of acupuncture—a controlled study. Cottraux JA, et al. **Behav Res Ther** 1983; 21(4):417–24

Goal–setting and spouse involvement in the treatment of obesity. Dubbert PM, et al. **Behav Res Ther** 1984; 22(3):227–42

Spouse involvement in the treatment of obsessive–compulsive patients. Emmelkamp PM, et al. **Behav Res Ther** 1983; 21(4):341–6

Predicting the effects on husbands of behaviour therapy for wives' agoraphobia. Hafner RJ. **Behav Res Ther** 1984; 22(3):217–26

Predicting the outcome of behaviour therapy for agoraphobia. Hafner RJ, et al. **Behav Res Ther** 1983; 21(4):375–82

Cues, consequences and therapeutic talk: effects of social context and coping statements on pain. Hayes SC, et al. **Behav Res Ther** 1984;22(4):385–92

Heterosocial–skills training and covert sensitization. Effects on social skills and sexual arousal in sexual deviants. Hayes SC, et al. **Behav Res Ther** 1983;21(4):383–92

The out–patient treatment of patients with an obsessional–compulsive disorder. Hoogduin CA, et al. **Behav Res Ther** 1984;22(4):455–9

The effects of flooding on reducing snake fear in rhesus monkeys: 6–month follow–up and further flooding. Mineka S, et al. **Behav Res Ther** 1983;21(5):527–35 (19 ref.)

Self–reinforcement: appealing misnomer or effective mechanism? Nelson RO, et al. **Behav Res Ther** 1983; 21(5):557–66 (31 ref.)

The social validity of treatments for agoraphobia. Norton GR, et al. **Behav Res Ther** 1983;21(4):393–9

Exposure in vivo vs applied relaxation in the treatment of blood phobia. Ost LG, et al. **Behav Res Ther** 1984; 22(3):205–16

Prolonging the effects of deposit contracts with smokers. Paxton R. **Behav Res Ther** 1983;21(4):425–33

The modification of agoraphobic avoidance behaviour: some fresh possibilities. Rachman S. **Behav Res Ther** 1983; 21(5):567–74 (26 ref.)

Cue exposure and response prevention with alcoholics: a controlled trial. Rankin H, et al. **Behav Res Ther** 1983; 21(4):435–46

Towards a comprehensive treatment for obsessional thoughts. Robertson J, et al. **Behav Res Ther** 1983;21(4):347–56

Case histories and shorter communications. Conditioning functional enuresis: follow–up after retraining. Sacks S, et al. **Behav Res Ther** 1983;21(6):693–4

Non–accidental injury to children—I. A review of behavioural interventions. Smith JE. **Behav Res Ther** 1984; 22(4):331–47

Non–accidental injury to children—II. A controlled evaluation of a behavioural management programme. Smith JE, et al. **Behav Res Ther** 1984;22(4):349–66

Non–accidental injury to children—III. Methodological problems of evaluative treatment research. Smith JE, et al. **Behav Res Ther** 1984;22(4):367–83

The aftermath of heresy: a response to Pendery et al.'s (1982) critique of 'Individualized Behavior Therapy for Alcoholics'. Sobell MB, et al. **Behav Res Ther** 1984; 22(4):413–40

The subtractive expectancy placebo procedure: a measure of non–specific factors in behavioural interventions. Suedfeld P. **Behav Res Ther** 1984;22(2):159–64

Treatment of psychological distress following mastectomy: an initial report. Tarrier N, et al. **Behav Res Ther** 1984; 22(1):81–4

Effects of massed practice and cue–controlled relaxation on tic frequency in Gilles de la Tourette's syndrome. Turpin G, et al. **Behav Res Ther** 1984;22(2):165–78

A preliminary investigation of cognitive and relaxation treatment of panic disorder: effects on intense anxiety vs 'background' anxiety. Waddell MT, et al. **Behav Res Ther** 1984;22(4):393–402

Intermittent low–calorie regimen and booster sessions in the treatment of obesity. Wing RR, et al. **Behav Res Ther** 1984; 22(4):445–9

A comparison of two behavioral treatments in decreasing the orofacial movement of tardive dyskinesia. Jackson GM, et al. **Biofeedback Self Regul** 1983 Dec;8(4):547–53

The effects of instructional set on the outcome of a stress management program. Shaw ER, et al. **Biofeedback Self Regul** 1983 Dec;8(4):555–65

Effects of distraction on thinking and affect in depressed patients. Fennell MJ, et al. **Br J Clin Psychol** 1984 Feb; 23 (Pt 1):65–6

Group modification of affective verbalizations in a psychiatric population. Fromme DK, et al. **Br J Clin Psychol** 1983 Nov;22 (Pt 4):251–6

Effects of stimulus representation and cue category level on exposure (flooding) therapy. Mannion NE, et al. **Br J Clin Psychol** 1984 Feb;23 (Pt 1):1–7

The treatment of stammering: a multi–modal approach in an in–patient setting. Rustin L, et al. **Br J Disord Commun** 1983 Sep;18(2):90–7

Locus of control and cognitive behaviour therapy with mastectomy patients: a pilot study. Tarrier N, et al. **Br J Med Psychol** 1983 Sep;56 (Pt 3):265–70

The spouse as co–therapist in the treatment of agoraphobia. Cobb JP, et al. **Br J Psychiatry** 1984 Mar;144:282–7

Behavioural approaches to the management of sexual deviations. Hawton K. **Br J Psychiatry** 1983 Sep; 143:248–55 (43 ref.)

A comparison of lenient and strict operant conditioning programmes in refeeding patients with anorexia nervosa. Touyz SW, et al. **Br J Psychiatry** 1984 May;144:517–20

An effective elixir for behavioural modification of the child dental patient. Jinks GM. **Can Dent Assoc J** 1984 Apr; 50(4):310–2

Effectiveness of cognitive mediation and behaviour modification with hospitalized hyperactives [letter] Jerome L. **Can J Psychiatry** 1984 Mar;29(2):184

Effectiveness of cognitive mediation and behaviour modification with hospitalized hyperactives. Konstantareas MM, et al. **Can J Psychiatry** 1983 Oct;28(6):462–70

Group training for parents of mentally retarded children: a review and methodological analysis of behavioural studies. Hornby G, et al. **Child Care Health Dev** 1983 Jul–Aug; 9(4):199–213 (36 ref.)

The effects of social skills training and peer involvement on

the social adjustment of preadolescents. Bierman KL, et al. **Child Dev** 1984 Feb;55(1):151–62

Clinical application of behavior therapy for insomnia. Nicassio PM, et al. **Compr Psychiatry** 1981 Sep–Oct; 22(5):512–21

Self-instructional training: cognitive behavior modification for remediating arithmetic deficits. Leon JA, et al. **Except Child** 1983 Sep;50(1):54–60

Behavioral and psychological approaches to the assessment and treatment of chronic pain. Keefe FJ, et al. **Gen Hosp Psychiatry** 1984 Jan;6(1):49–54

Behavioral interventions and stress management training for hospitalized adolescents and young adults with cystic fibrosis. Spirito A, et al. **Gen Hosp Psychiatry** 1984 Jul; 6(3):211–8

The psychological effectiveness of pain management procedures in the context of behavioral medicine and medical psychology. Trifiletti RJ. **Genet Psychol Monogr** 1984 May;109(2D Half):251–78 (75 ref.)

Behavioral treatment of an acute schizophrenic inpatient: a case report. Flannery RB Jr, et al. **Hillside J Clin Psychiatry** 1983;5(2):177–82

Long-term follow-up of the effects of behavior therapy. Banzett LK, et al. **Hosp Community Psychiatry** 1984 Mar; 35(3):277–9

The peer-managed small group versus the rehabilitation model of treatment of chronic patients. Gunter NC, et al. **Hosp Community Psychiatry** 1983 Aug;34(8):724–8

Treating a man who cannot go out alone, feels bound to his ailing mother. Zitrin CM. **Hosp Community Psychiatry** 1984 Mar;35(3):225–6, 231

Rehabilitation of post MI depression and psychological invalidism: a pilot study. Brown MA, et al. **Int J Psychiatry Med** 1983–84;13(4):291–8

Chronic factitious illness: a behavioral approach. Klonoff EA, et al. **Int J Psychiatry Med** 1983–84;13(3):173–83

A combined approach using meditation-hypnosis and behavioral techniques in the treatment of smoking behavior: case studies of five stressed patients. Cohen BB. **Int J Psychosom** 1984;31(1):33–9

Videotape modeling for preschool children with low levels of social interaction and low peer involvement in play. Ballard KD, et al. **J Abnorm Child Psychol** 1984 Mar; 12(1):95–109

Self-control in hyperactive boys in anger-inducing situations: effects of cognitive-behavioral training and of methylphenidate. Hinshaw SP, et al. **J Abnorm Child Psychol** 1984 Mar;12(1):55–77

A delivery system for the treatment of primary enuresis. Houts AC, et al. **J Abnorm Child Psychol** 1983 Dec; 11(4):513–9

Behavioral intervention for reducing chemotherapy-related nausea and vomiting in adolescents with cancer. Lebaron S, et al. **J Adolesc Health Care** 1984 Jul;5(3):178–82

Teaching noncognitive skills to dietetic students: a model. Dickens RN, et al. **J Am Diet Assoc** 1984 Feb;84(2):197–200

Critical behaviors in the dietary management of hypertension. Tillotson JL, et al. **J Am Diet Assoc** 1984 Mar;84(3):290–3

Teaching behaviorally handicapped preschool children to share. Bryant LE, et al. **J Appl Behav Anal** 1984 Spring; 17(1):45–56

The training and generalization of social interaction skills with autistic youth. Gaylord-Ross RJ, et al. **J Appl Behav Anal** 1984 Summer;17(2):229–47

Evaluation of a parent-training manual for reducing children's fear of the dark. Giebenhain JE, et al. **J Appl Behav Anal** 1984 Spring;17(1):121–5

Decreasing burned children's pain behavior: impacting the trauma of hydrotherapy. Kelley ML, et al. **J Appl Behav Anal** 1984 Summer;17(2):147–58

An institutional staff training and self-management program for developing multiple self-care skills in severely/profoundly retarded individuals. Kissel RC, et al. **J Appl Behav Anal** 1983 Winter;16(4):395–415

Contingency management interventions: effects on treatment outcome during methadone detoxification. McCaul ME, et al. **J Appl Behav Anal** 1984 Spring;17(1):35–43

Prompting and stimulus shaping procedures for teaching visual-motor skills to retarded children. Mosk MD, et al. **J Appl Behav Anal** 1984 Spring;17(1):23–34

The effects of a good behavior game on the disruptive behavior of Sundanese elementary school students. Saigh PA, et al. **J Appl Behav Anal** 1983 Fall;16(3):339–44

Application of the 'generalization map' to a self-control intervention with school-aged children. Stevenson HC, et al. **J Appl Behav Anal** 1984 Summer;17(2):203–12

Parental judgments of behavior therapy efficacy with autistic children: a social validation. Runco MA, et al. **J Autism Dev Disord** 1983 Sep;13(3):237–48

The effects of anxiety management training on the control of juvenile diabetes mellitus. Rose MI, et al. **J Behav Med** 1983 Dec;6(4):381–95

Modifying the self-injurious behavior of an infant with spina bifida and diminished pain sensitivity. Altman K, et al. **J Behav Ther Exp Psychiatry** 1983 Jun;14(2):165–8

Suppressing aggressive-destructive behavior by delayed overcorrection. Altman K, et al. **J Behav Ther Exp Psychiatry** 1983 Dec;14(4):359–62

A novel approach to assessment in the treatment of childhood trichotillomania. Dahlquist LM, et al. **J Behav Ther Exp Psychiatry** 1984 Mar;15(1):47–50

A comparison of relaxation training and competing response training to eliminate hair pulling and nail biting. De Luca RV, et al. **J Behav Ther Exp Psychiatry** 1984 Mar; 15(1):67–70

The reduction of stereotypic screaming in a severely retarded boy through a visual screening procedure. Dick DM, et al. **J Behav Ther Exp Psychiatry** 1983 Dec;14(4):363–7

Probable superiority of behavioral intervention—III: Some obstacles to acceptance of findings. Giles TR. **J Behav Ther Exp Psychiatry** 1984 Mar;15(1):23–6

Mediating factors in the modification of smoking behavior. Goldberg J, et al. **J Behav Ther Exp Psychiatry** 1983 Dec; 14(4):325–30

Writer's cramp—a habit for reversal? Greenberg D. **J Behav Ther Exp Psychiatry** 1983 Sep;14(3):233–9 (13 ref.)

The effect of coping statements on progress through a desensitization hierarchy. Hayes SC, et al. **J Behav Ther Exp Psychiatry** 1983 Jun;14(2):117–29

Follow-up of stealing behavior in 27 youths after a variety of treatment programs. Henderson JQ. **J Behav Ther Exp Psychiatry** 1983 Dec;14(4):331–7

The relative efficacy of imaginal and in vivo desensitization in the treatment of agoraphobia. James JE, et al. **J Behav Ther Exp Psychiatry** 1983 Sep;14(3):203–7 (15 ref.)

Dry bed training without a urine alarm: lack of effect of setting and therapist contact with child. Keating JC Jr, et al. **J Behav Ther Exp Psychiatry** 1983 Jun;14(2):109–15

Paradoxical instruction in the elimination of avoidance behavior in an agoraphobic girl. Kolko DJ. **J Behav Ther Exp Psychiatry** 1984 Mar;15(1):51–7

Multicomponent parental treatment of firesetting in a six year old boy. Kolko DJ. **J Behav Ther Exp Psychiatry** 1983 Dec;14(4):349–53

Cognitive versus behavioral procedures in cognitive-behavior therapy: a critical review of the evidence. Latimer PR, et al. **J Behav Ther Exp Psychiatry** 1984 Mar;15(1):9–22

Treatment of an assaultive, sensory-impaired adolescent through a multicomponent behavioral program. Luiselli JK. **J Behav Ther Exp Psychiatry** 1984 Mar;15(1):71–8

Management of multiple aggressive behaviors by differential reinforcement. Luiselli JK, et al. **J Behav Ther Exp Psychiatry** 1983 Dec;14(4):343–7

A behavioral treatment of compulsive lip-biting. Lyon LS. **J Behav Ther Exp Psychiatry** 1983 Sep;14(3):275–6 (3 ref.)

Exploration of phobic behavior in a small child. Matson JL. **J Behav Ther Exp Psychiatry** 1983 Sep;14(3):257–9 (12 ref.)

A comparison of negative practice and systematic desensitization in the treatment of acrophobia. Pendleton MG, et al. **J Behav Ther Exp Psychiatry** 1983 Dec; 14(4):317–23

Self-control desensitization with cue-controlled relaxation for treatment of a conditioned vomiting response to air travel. Rebman VL. **J Behav Ther Exp Psychiatry** 1983 Jun;14(2):161–4

Treatment technique for chronic wrist cutters. Rosen LW, et al. **J Behav Ther Exp Psychiatry** 1984 Mar;15(1):33–6

Treatment of excessive urinary frequency and urgency by desensitization and progressive retention training. Rovetto FM. **J Behav Ther Exp Psychiatry** 1983 Jun;14(2):155–9

Behavioral relaxation training and assessment. Schilling DJ, et al. **J Behav Ther Exp Psychiatry** 1983 Jun;14(2):99–107

Effects of a screening procedure on pica and collateral behaviors. Singh NN, et al. **J Behav Ther Exp Psychiatry** 1984 Mar;15(1):59–65

Multiple component self-control program for menopausal hot flashes. Stevenson DW, et al. **J Behav Ther Exp Psychiatry** 1983 Jun;14(2):137–40

Elimination of nocturnal headbanging in a normal seven-year-old girl using overcorrection plus rewards. Strauss CC, et al. **J Behav Ther Exp Psychiatry** 1983 Sep; 14(3):269–73 (7 ref.)

Training an autistic client: the effect of brief restraint on disruptive behavior. Tomporowski PD. **J Behav Ther Exp Psychiatry** 1983 Jun;14(2):169–73

Generality in the verbal tacting of autistic children as a function of 'naturalness' in antecedent control. Woods TS. **J Behav Ther Exp Psychiatry** 1984 Mar;15(1):27–32

A controlled trial of 'Senokot' in faecal soiling treated by behavioural methods. Berg I, et al. **J Child Psychol Psychiatry** 1983 Oct;24(4):543–9

Cognitive-behavioural self-control therapy for children. Kendall PC. **J Child Psychol Psychiatry** 1984 Apr; 25(2):173–9

Short-term treatment outcome using parents as co-therapists for their own autistic children. Short AB. **J Child Psychol Psychiatry** 1984 Jul;25(3):443–58

Teaching social skills to children. Spence SH. **J Child Psychol Psychiatry** 1983 Oct;24(4):621–7

Group modification of affective verbalizations: reinforcement and therapist style effects. Fromme DK, et al. **J Clin Psychol** 1983 Nov;39(6):893–900

A cognitive-behavioral approach to social skills training with shy persons. Haynes-Clements LA, et al. **J Clin Psychol** 1984 May;40(3):710–3

Semantic desensitization: a paradigmatic intervention approach to anxiety disorders. Hekmat H, et al. **J Clin Psychol** 1984 Mar;40(2):463–6

In vivo distraction-coping in the treatment of test anxiety: a 1-year follow-up study. Himle DP, et al. **J Clin Psychol** 1984 Mar;40(2):458–62

Desensitization of test anxious urban community-college students and resulting changes in grade point average: a replication. Hudesman J, et al. **J Clin Psychol** 1984 Jan; 40(1):65–7

Eye color as a predictor of outcomes in behavior therapy. Markle A, et al. **J Clin Psychol** 1984 Mar;40(2):489–95

A comparison of in-vivo and imaginal participant modeling. Minor SW, et al. **J Clin Psychol** 1984 May;40(3):717–20

The effects of self-administered cognitive therapy on social-evaluative anxiety. Schelver SR, et al. **J Clin Psychol** 1983 Sep;39(5):658–66

'Self-control' concerns for men and women: refinement and extension of a construct. Shapiro DH Jr, et al. **J Clin Psychol** 1983 Nov;39(6):878–92

Assessing the impact of cognitive differences in the treatment of obsessive-compulsives. Turner RM, et al. **J Clin Psychol** 1983 Nov;39(6):933–8

Outpatient treatment of primary anorexia nervosa in adult males. Ziesat HA Jr, et al. **J Clin Psychol** 1984 May; 40(3):680–90

Behavioral exercise programs in the management of chronic obstructive pulmonary disease. Atkins CJ, et al. **J Consult Clin Psychol** 1984 Aug;52(4):591–603

Effects of nicotine fading and relapse prevention on smoking cessation. Brown RA, et al. **J Consult Clin Psychol** 1984 Apr;52(2):307–8

Exposure and anxiety management in the treatment of social phobia. Butler G, et al. **J Consult Clin Psychol** 1984 Aug; 52(4):642–50

Sequencing of behavior therapy and pharmacotherapy for obesity. Craighead LW. **J Consult Clin Psychol** 1984 Apr; 52(2):190–9

A case report of dissociative neurosis (depersonalization disorder) in an adolescent treated with family therapy and behavior modification. Dollinger SJ. **J Consult Clin Psychol** 1983 Aug;51(4):479–84

Attrition in worksite weight-loss interventions: the effects of an incentive procedure. Follick MJ, et al. **J Consult Clin Psychol** 1984 Feb;52(1):139–40

Broad-spectrum behavioral treatment for chronic alcoholics: effects of training controlled drinking skills. Foy DW, et al. **J Consult Clin Psychol** 1984 Apr;52(2):218–30

Behavioral treatment of Raynaud's disease. Freedman RR, et al. **J Consult Clin Psychol** 1983 Aug;51(4):539–49

Effects of behavioral marital therapy on couples' communication and problem-solving skills. Hahlweg K, et al. **J Consult Clin Psychol** 1984 Aug;52(4):553–66

Preventing relapse to cigarette smoking by behavioral skill training. Hall SM, et al. **J Consult Clin Psychol** 1984 Jun; 52(3):372–82

Maternal evaluation of social reinforcement and time-out: effects of brief parent training. Hobbs SA, et al. **J Consult Clin Psychol** 1984 Feb;52(1):135–6

Demand characteristics and inferential processes in psychotherapeutic change. Horvath P. **J Consult Clin Psychol** 1984 Aug;52(4):616–24

A component analysis of behavioral marital therapy: the relative effectiveness of behavior exchange and communication/problem-solving training. Jacobson NS. **J Consult Clin Psychol** 1984 Apr;52(2):295–305

Variability in outcome and clinical significance of behavioral marital therapy: a reanalysis of outcome data. Jacobson NS, et al. **J Consult Clin Psychol** 1984 Aug;52(4):497–504

Effects of participant modeling on information acquisition and skill utilization. Klingman A, et al. **J Consult Clin Psychol** 1984 Jun;52(3):414–22

Reframing and paradoxical instruction to overcome 'resistance' in the treatment of delinquent youths: a multiple baseline analysis. Kolko DJ, et al. **J Consult Clin Psychol** 1983 Oct;51(5):655–60

Effect of a multicomponent maintenance program on long-term weight loss. Perri MG, et al. **J Consult Clin Psychol** 1984 Jun;52(3):480–1

Random assignment to abstinence and controlled drinking: evaluation of a cognitive-behavioral program for problem drinkers. Sanchez-Craig M, et al. **J Consult Clin Psychol** 1984 Jun;52(3):390–403

Cognitive-behavioral and psychodynamic group psychotherapy in treatment of geriatric depression. Steuer JL, et al. **J Consult Clin Psychol** 1984 Apr;52(2):180–9

Treatment of obesity by behavior therapy and very low calorie diet: a pilot investigation. Wadden TA, et al. **J Consult Clin Psychol** 1984 Aug;52(4):692–4

Randomized trial of two parent-training programs for families with conduct-disordered children. Webster-Stratton C. **J Consult Clin Psychol** 1984 Aug; 52(4):666–78

Comparative effectiveness of guided mastery and exposure treatments for intractable phobias. Williams SL, et al. **J Consult Clin Psychol** 1984 Aug;52(4):505–18

Contingent therapist contact in a behavioral weight control program. Wing RR, et al. **J Consult Clin Psychol** 1984 Aug; 52(4):710–1

The maximum exercise stress test: is it a behavior-modification tool? Driggers DA, et al. **J Fam Pract** 1984 May;18(5):715–8

Use of self-recording to maintain staff-resident interaction. Baldwin S, et al. **J Ment Defic Res** 1984 Mar;28 (Pt 1):57–66

Behavioural dimensions of the de Lange syndrome: attribution of mystique and a question of cause and effect [letter] Singh NN. **J Ment Defic Res** 1983 Sep;27 (Pt 3):237–8

The treatment of social dysfunction in nonpsychotic

outpatients. A review. Stravynski A, et al. **J Nerv Ment Dis** 1983 Dec;171(12):721–8

The elimination of ruminative vomiting in a 15–month–old child with gastroesophageal reflux. Madison LS, et al. **J Pediatr Psychol** 1984 Jun;9(2):231–9

Behavioral assessment and management of adherence to factor replacement therapy in hemophilia. Sergis–Deavenport E, et al. **J Pediatr Psychol** 1983 Dec; 8(4):367–77

Behavioural techniques in the management of aerophagia in patients with hiatus hernia. Calloway SP, et al. **J Psychosom Res** 1983;27(6):499–502

Controlled study of self–exposure treatment for phobics: preliminary communication. Ghosh A, et al. **J R Soc Med** 1984 Jun;77(6):483–7

Stress, vascular changes and the potential for behavioral modification. Meehan JP. **J SC Med Assoc** 1983 Oct; 79(10):535–8

Strategies and techniques for the treatment of inhibited sexual desire. McCarthy BW. **J Sex Marital Ther** 1984 Summer; 10(2):97–104

Some effective therapeutic factors in group cognitive–behavioral therapy with problem drinkers. Oei TP, et al. **J Stud Alcohol** 1984 Mar;45(2):119–23

Two cases of phobic neurosis treated successfully by behaviour therapy. Loke KH, et al. **Med J Malaysia** 1983 Mar;38(1):62–4

Assertiveness training for mentally retarded adults. Bregman S. **Ment Retard** 1984 Feb;22(1):12–6

The use of mechanical restraint and response incompatibility to modify self–injurious behavior: a case study. Hamad CD, et al. **Ment Retard** 1983 Oct;21(5):213–7

Involving students in behavior modification programs. Salend SJ, et al. **Ment Retard** 1983 Jun;21(3):95–100

The elimination of mealtime food stealing and scavenging behavior in an institutionalized severely mentally retarded adult. Smith AL Jr, et al. **Ment Retard** 1983 Dec; 21(6):255–9

Overhydration: precautions when treating urinary incontinence. Thompson T, et al. **Ment Retard** 1983 Aug; 21(4):139–43

Teaching the down–stay. Voith VL. **Mod Vet Pract** 1982 May;63(5):425

The role of behavioral contingency management in drug abuse treatment. Bigelow GE, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984;46:36–52

Contingency contracting treatment of drug–abusing physicians, nurses, and dentists. Crowley TJ. **Natl Inst Drug Abuse Res Monogr Ser** 1984;46:68–83

Therapeutic application of behavioral techniques: an overview. Grabowski J, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984;46:1–7

The Job Seekers' Workshop: a skill training program for drug treatment clients. Hall SM, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984;46:115–30

Behavioral treatment of drug dependence. Pickens RW, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984;46:53–67

Contingency management of supplemental drug use during methadone maintenance treatment. Stitzer ML, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984;46:84–103

Behavioral intervention techniques in drug abuse treatment: summary of discussion. Stitzer ML, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984;46:147–57

Brokerage model rehabilitation system for opiate dependence: a behavioral analysis. Thompson T, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984;46:131–46

A contingency analysis of family treatment and drug abuse. Todd TC. **Natl Inst Drug Abuse Res Monogr Ser** 1984; 46:104–14

Treatment of behavioral and psychiatric problems associated with opiate dependence. Woody GE, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984;46:23–35

Contingency management of exercise by chronic schizophrenics. Thyer BA, et al. **Percept Mot Skills** 1984 Apr;58(2):419–25

A behavioural approach to the rehabilitation of severely brain–injured adults. Goodman–Smith A, et al. **Physiotherapy** 1983 Nov;69(11):393–6

Control of nausea and vomiting in chemotherapy patients. Four effective behavioral methods. Redd WH. **Postgrad Med** 1984 Apr;75(5):105–7, 110–3

Behavioral pediatrics: health education in pediatric primary care. Finney JW, et al. **Prog Behav Modif** 1984;16:186–229

Advances in behavioral treatment of obesity. Foreyt JP, et al. **Prog Behav Modif** 1984;16:231–61

Behavioral intervention with child abuse and neglect. Gambrill ED. **Prog Behav Modif** 1983;15:1–56

Pediatric behavioral medicine: directions in treatment and prevention. Hobbs SA, et al. **Prog Behav Modif** 1984; 16:1–29

Behavioral geriatrics. Hussian RA. **Prog Behav Modif** 1984; 16:159–83

Behavioral contracting: outcomes and elements. Kirschenbaum DS, et al. **Prog Behav Modif** 1983;15:217–75

Cognitive treatment of phobia. Last CG. **Prog Behav Modif** 1984;16:65–82

Preventing teenage pregnancy. Schinke SP. **Prog Behav Modif** 1984;16:31–64

A review of generalization in social skills training: suggestions for future research. Scott RR, et al. **Prog Behav Modif** 1983;15:113–72

The current status of cognitive variables in assertiveness training. Stefanek ME, et al. **Prog Behav Modif** 1983; 15:277–319

Behavior modification in social work practice. Thyer BA. **Prog Behav Modif** 1983;15:173–216

Behavioral approaches to gerontology. Wisocki PA. **Prog Behav Modif** 1984;16:121–57

The interruption of bulimic behaviors. A review of three treatment programs. Pyle RL, et al. **Psychiatr Clin North Am** 1984 Jun;7(2):275–86

Behaviour therapy in phobic and obsessional disorders. Cobb J. **Psychiatr Dev** 1983 Winter;1(4):351–65 (86 ref.)

Application of cognitive behavioral techniques in the treatment of Hispanic patients. Arce AA, et al. **Psychiatr Q** 1982 Winter;54(4):230–6

'Green Stamp Therapy' revisited: the evolution of 12 years of behavior modification and psychoeducational techniques with young delinquent boys. Carpenter P. **Psychol Rep** 1984 Feb;54(1):99–111

Programmed generalization of dress efficiency across settings for a severely disturbed, autistic child. Fantuzzo JW, et al. **Psychol Rep** 1983 Dec;53(3 Pt 1):871–9

Smoking extinction: smoke–them–out–of–pleasure (STOP) technique. Ganesan V. **Psychol Rep** 1984 Feb;54(1):216

Early intervention with autistic children: a case presentation with pre–program, program and follow–up data. Groden G, et al. **Psychol Rep** 1983 Dec;53(3 Pt 1):715–22

Self–monitoring in reducing children's excessive television viewing. Jason LA. **Psychol Rep** 1983 Dec;53(3 Pt 2):1280

Comparison of two cognitive strategies in treatment of a patient with generalized anxiety disorder. Last CG, et al. **Psychol Rep** 1983 Aug;53(1):19–26

Imipramine with or without cognitive–behavior therapy in the treatment of an agoraphobic. Last CG, et al. **Psychol Rep** 1983 Aug;53(1):103–14

Clinical decision processes and criteria for social validity. Millard RW, et al. **Psychol Rep** 1983 Dec;53(3 Pt 1):775–8

Adolescent compulsion: a case study involving cognitive–behavioral treatment. Morelli G. **Psychol Rep** 1983 Oct;53(2):519–22

Methodological adaptations in assertiveness training programs designed for the blind. Ruben DH. **Psychol Rep** 1983 Dec;53(3 Pt 2):1281–2

A behavioral approach to marital therapy. A Greek experiment. Dimitriou EC. **Psychother Psychosom** 1983; 39(3):144–53

[Auto–evaluation control of behavior therapy of phobia] Heim F, et al. **Ann Med Psychol (Paris)** 1983 Jun; 141(6):678–81 **(Fre)**

[Comparative evaluation of the effects of behavior therapy] Samuel–Lajeunesse B, et al. **Ann Med Psychol (Paris)** 1983 Jun;141(6):671–7 **(Fre)**

[Therapeutic indications of behavior therapy] Lamontagne Y. **Can J Psychiatry** 1984 Mar;29(2):125–8 (Eng. Abstr.) **(Fre)**

[Behavioral approaches to the phobias] Agathon M. **Encephale** 1983;9(4 Suppl 2):31B–35B (Eng. Abstr.) **(Fre)**

[Behavioral approach to stress and anxiety and the management of stress] Fontaine O. **Encephale** 1983;9(4 Suppl 2):43B–48B (Eng. Abstr.) **(Fre)**

[Behavioral approach to sexual dysfunctions] Gellman C. **Encephale** 1983;9(4 Suppl 2):49B–55B (Eng. Abstr.) **(Fre)**

[Behavioral approach to obsessions] Note ID. **Encephale** 1983;9(4 Suppl 2):37B–41B (Eng. Abstr.) **(Fre)**

[Sphincter control training of the mentally retarded. Operant behavioral approach] Magerotte G. **Neuropsychiatr Enfance Adolesc** 1983 Jul;31(7):309–17 (Eng. Abstr.) **(Fre)**

[Use and process evaluation of a self control program in enuresis diurna] Meier F, et al. **Prax Kinderpsychol Kinderpsychiatr** 1983 Jul;32(5):181–6 (Eng. Abstr.) **(Ger)**

[Wish and reality. Comments on the current relation of psychoanalysis and behavior therapy] Metzger HG. **Psyche (Stuttg)** 1984 Apr;38(4):329–43 (Eng. Abstr.) **(Ger)**

[Modernization of behavior therapy. Progress of the 'cognitive turn' as regression to ego–psychology?] Pohlen M, et al. **Psyche (Stuttg)** 1983 Nov;37(11):961–87 (Eng. Abstr.) **(Ger)**

[Behavior therapy self control in chronic compulsive organismic defective habit development] Dummer W. **Psychiatr Neurol Med Psychol (Leipz)** 1983 Jun; 35(6):357–65 (Eng. Abstr.) **(Ger)**

[Paradoxical intervention and insight] Fischer G. **Psychother Psychosom Med Psychol** 1983 Nov;33(6):195–9 (Eng. Abstr.) **(Ger)**

[A behaviorally oriented group therapy concept for the treatment of a risk group of obese patients] Nutzinger DO, et al. **Psychother Psychosom Med Psychol** 1983 Sep;33 Suppl 2:102–9 (Eng. Abstr.) **(Ger)**

[Rehabilitation of patients with facial and skin disfigurement using behavior therapy desensitization in swimming pools] Strittmatter G, et al. **Rehabilitation (Stuttg)** 1984 Feb; 23(1):22–5 (Eng. Abstr.) **(Ger)**

[Psychotherapy and behavioral therapy of depressed patients] Pöldinger W. **Ther Umsch** 1983 Sep;40(9):797–800 (22 ref.) (Eng. Abstr.) **(Ger)**

[Effect of experimental self verbalizations on physiologic, cognitive and motor components of conditioned fear reactions] Lauterbach W, et al. **Z Exp Angew Psychol** 1984; 31(2):259–79 (Eng. Abstr.) **(Ger)**

[Behavior therapy in psychiatry – a review] Ost LG, et al. **Nord Med** 1984;99(1):18–22 (Eng. Abstr.) **(Swe)**

STANDARDS

Probable superiority of behavioral interventions—II: Empirical status of the equivalence of therapies hypothesis. Giles TR. **J Behav Ther Exp Psychiatry** 1983 Sep; 14(3):189–96 (97 ref.)

Data over time: how much tells the story. Zlomke LC, et al. **Psychol Rep** 1984 Feb;54(1):43–6

TRENDS

Behavior therapy and the ideology of modernity. Woolfolk RL, et al. **Am Psychol** 1984 Jul;39(7):777–86

A natural history of behavioral health program evaluation in Arizona. Braun SH, et al. **Community Ment Health J** 1984 Spring;20(1):56–71

Behavior therapy in South Africa [letter] Barling J. **J Behav Ther Exp Psychiatry** 1983 Dec;14(4):369

Thailand and behavior modification. Mikulas WL. **J Behav Ther Exp Psychiatry** 1983 Jun;14(2):93–7

BEHAVIORAL MEDICINE

Behavioral medicine: a new development. Weddington WW Jr, et al. **Hosp Community Psychiatry** 1983 Aug;34(8):702–8 (26 ref.)

TRENDS

Behavioral medicine. Broadening the interface between medicine and behavioral science. Upper D, et al. **Postgrad Med** 1984 Feb 15;75(3):155–7, 160, 163 passim

BEHAVIORAL SCIENCES

Behavioural science is not spoken here—where are the interpreters? Kamien M. **Community Health Stud** 1984; 8(2):223–8

Another look at behavioral sciences in dentistry: perspectives on collaborative clinical research. Tedesco LA, et al. **J Dent Educ** 1984 Aug;48(8):448–52

Teaching touch at medical school. Older J. **JAMA** 1984 Aug 17;252(7):931–3

The importance of human individuality for sociobiology. Davis BD. **Perspect Biol Med** 1982 Autumn;26(1):1–18

Sociobiology, individuality, and ethics: a response. Wilson EO. **Perspect Biol Med** 1982 Autumn;26(1):19–29

Radiographers as managers—3. The influence of the behavioural scientists on management. Drummond A. **Radiography** 1984 Mar–Apr;50(590):37–40

EDUCATION

The union of dental behavioral and clinical science: educational and research prospectives. Milgrom P, et al. **J Dent Educ** 1984 Apr;48(4):192–5

Couples groups in family medicine training. Contreras R, et al. **J Fam Pract** 1984 Feb;18(2):293–6

Patients' perspectives of behavioral science care by family practice physicians. Clark CH, et al. **J Med Educ** 1983 Dec; 58(12):954–61

Selective mini–courses: a method of enhancing offerings in behavioral science, psychiatry, and the humanities. Neale Query JM. **J Med Educ** 1984 Apr;59(4):355

Elective modules in the behavioural sciences. Sachs LA, et al. **Med Educ** 1984 Jan;18(1):11–4

[Aims of introducing behavioral science into medical education and development of a curriculum. Current undergraduate curriculum at Saga Medical School] Takeichi M. **Seishin Shinkeigaku Zasshi** 1983;85(10):703–6 **(Jpn)**

MANPOWER

Distribution of behavioral science faculty in United States medical schools: 1968–1969 and 1978–1979. Stokes J 3d, et al. **Soc Sci Med** 1984;18(9):753–6

METHODS

Arbitrary time unit counts as a mean to evaluate animal activities. Ambrogi Lorenzini C, et al. **Arch Ital Biol** 1984 Jun;122(2):115–20

BEHAVIORISM

HISTORY

Pavlov's position toward American behaviorism. Windholz G. **J Hist Behav Sci** 1983 Oct;19(4):394–407

BEHCET'S SYNDROME

Behçet's disease. Wong RC, et al. **Int J Dermatol** 1984 Jan–Feb;23(1):25–32 (67 ref.)

[The Behçet syndrome. Report on 12 cases and overview of the literature] Dührsen U, et al. **Schweiz Med Wochenschr** 1984 Jul 28;114(30):1058–68 (84 ref.) (Eng. Abstr.) **(Ger)**

BLOOD

[Behcet's disease with circulating anticoagulant (letter)]

Pedinielli FJ, et al. **Presse Med** 1984 Apr 28;13(18):1157 **(Fre)**

[Parameters of hemostasis in Behçet's disease] Dupuy E, et al. **Rev Med Interne** 1983 Dec;4(4):317–21 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Chlorambucil in the treatment of uveitis and meningoencephalitis of Behçet's disease. O'Duffy JD, et al. **Am J Med** 1984 Jan;76(1):75–84

Budd–Chiari syndrome and renal failure in Behcet's disease [letter] Schattner A. **Am J Med** 1984 Aug;77(2):A86, A91

Acute, severe, aortic regurgitation in Behçet's syndrome. Comess KA, et al. **Ann Intern Med** 1983 Nov;99(5):639–40

Acute synovial rupture in Behçet's syndrome. Dawes PT, et al. **Ann Rheum Dis** 1983 Oct;42(5):591–2

The arthritis of Behçet's disease: a prospective study. Yurdakul S, et al. **Ann Rheum Dis** 1983 Oct;42(5):505–15

Dural sinus thrombosis in Behçet's disease. Bank I, et al. **Arthritis Rheum** 1984 Jul;27(7):816–8

Amyloidosis in Behçet's disease. Peces R, et al. **Nephron** 1984; 36(2):114–7

Fever of undetermined origin as the presenting symptom of Behcet's disease: a favorable response to colchicine. Pines A, et al. **South Med J** 1984 Jun;77(6):802–3

[Behçet's syndrome as a neurological problem] Lauharanta J, et al. **Duodecim** 1984;100(12):732–7 **(Fin)**

[Ocular and general manifestations of neurologic Behçet's disease. Apropos of 15 cases] Rousselie F, et al. **Bull Mem Soc Fr Ophtalmol** 1983;95:460–2 **(Fre)**

[So-called benign intracranial hypertension and Behçet's disease] Ibrahimi A, et al. **Neurochirurgie** 1984;30(4):263–8 (Eng. Abstr.) **(Fre)**

[Acute intestinal hemorrhage in Behçet disease] Moser B, et al. **Dtsch Med Wochenschr** 1983 Sep 30;108(39):1495–6 **(Ger)**

[Behcet's disease and the nervous system—a 10-year follow-up with pregnancy. Review of the literature] Suchenwirth RM. **Fortschr Neurol Psychiatr** 1984 Feb; 52(2):41–7 (Eng. Abstr.) **(Ger)**

[Behçet's disease associated with aneurysm of the thoracic aorta penetrating into the lung] Ishimaru S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Nov;31(11):2093–7 (Eng. Abstr.) **(Jpn)**

[Case of vasculo–Behcet's disease with repeated observations of radiographic pulmonary abnormalities—including a review of 21 cases from the domestic and foreign literature] Sawada K, et al. **Nippon Naika Gakkai Zasshi** 1983 Jun; 72(6):784–90 **(Jpn)**

[Case of Behcet's disease associated with chylothorax] Takeuchi H, et al. **Nippon Naika Gakkai Zasshi** 1983 Nov; 72(11):1591–7 **(Jpn)**

DIAGNOSIS

Vascular aspects of Behcet disease. Case presentations and review of literature. Adler OB, et al. **Ann Radiol (Paris)** 1984 Apr–May;27(4):371–5

The pathergy test and Behçet's syndrome in Britain. Davies PG, et al. **Ann Rheum Dis** 1984 Feb;43(1):70–3

Thrombophlebitis in Behçet's disease: two causes of diagnostic error [letter] Hamza M. **Arthritis Rheum** 1984 Jun;27(6):717

Behçet's syndrome: pathogenesis, diagnosis, and treatment. Jorizzo JL. **Cutis** 1983 Nov;32(5):441–5, 448

Behcets syndrome in New Zealand [letter] Petrie JP. **NZ Med J** 1984 Jan 25;97(748):53–4

Behcet's disease: the Ochsner experience, 1979 to 1982. Feagin OT. **South Med J** 1984 Apr;77(4):442–6

Behçet's disease. O'Connor GR. **Trans New Orleans Acad Ophthalmol** 1983;:199–210

[Superior vena cava syndrome disclosing Behçet's disease] Schneebeli S, et al. **Sem Hop Paris** 1984 Feb 16; 60(8):569–72 (Eng. Abstr.) **(Fre)**

[A case of Behçet's disease in a child: clinical, genetic, and immunologic characteristics] Chessa Ricotti G, et al. **Pediatr Med Chir** 1983 Jul–Aug;5(4):211–8 (Eng. Abstr.) **(Ita)**

[Revised criteria for the diagnosis of Behçet's disease] Inaba G. **Ryumachi** 1984 Apr;24(2):135–41 **(Jpn)**

[Behçet's syndrome. Comments apropos of 3 cases] Cuesta Muñoz J, et al. **Rev Clin Esp** 1983 Jul 15–31;170(1–2):55–60 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Colitis of Behçet's syndrome. Fallingborg J, et al. **Acta Med Scand** 1984;215(4):397–9

Thalidomide use [news] **Am Fam Physician** 1983 Dec; 28(6):237

Acyclovir and Behçet's disease [letter] Prieto J, et al. **Ann Intern Med** 1984 Oct;101(4):565–6

Acyclovir and Behçet's syndrome [letter] Resegotti L, et al. **Ann Intern Med** 1984 Feb;100(2):319

Behçet's syndrome and acyclovir [letter] Sözen T, et al. **Ann Intern Med** 1984 Sep;101(3):406

Suppression of Behçet's disease with dapsone. Sharquie KE. **Br J Dermatol** 1984 Apr;110(4):493–4

Behçet syndrome: report of two early-onset cases treated with transfer factor. Franzoni E, et al. **Ital J Neurol Sci** 1984 Mar;5(1):93–6

Cyclophosphamide in the treatment of the ocular manifestations of Behçet's disease [letter] Davatchi F, et al. **J Rheumatol** 1984 Jun;11(3):404–5

Behcet's disease: clinical report of 88 cases treated with herbal decoctions. Wu ZW, et al. **J Tradit Chin Med** 1983 Sep;3(3):223–6

Chlorambucil in Behçet's disease. A reappraisal. Tabbara KF. **Ophthalmology (Rochester)** 1983 Aug;90(8):906–8

Absence of a hand (acheiria) in a child whose father was treated with cyclophosphamide for Behçet's disease. Balci S, et al. **Turk J Pediatr** 1983 Jan–Mar;25(1):55–8

Behçet disease with genitourinary involvement treated with colchicine. Vordermark JS 2d, et al. **Urology** 1984 Mar; 23(3):290–2

[Therapeutic effect of total glycoside of Triptergium wilfordii on Behcet's disease] Xie DF. **Chung Hsi I Chieh Ho Tsa Chih** 1983 Nov;3(6):349–50 (Eng. Abstr.) **(Chi)**

[Clinical observation on the treatment of Behcet's disease with Tripterigium wilfordii] Zheng JL. **Chung Hsi I Chieh Ho Tsa Chih** 1983 Nov;3(6):346–8 (Eng. Abstr.) **(Chi)**

[Behcet's disease. Trial treatment with colchicine] Bennouna–Biaz F, et al. **Ann Dermatol Venereol** 1982; 109(6–7):593–4 **(Fre)**

[Treatment of the Adamantiades–Behçet syndrome using an immunosuppressive agent (azathioprine) and prednisolone] Psilas K, et al. **Bull Mem Soc Fr Ophtalmol** 1983;95:417–22 **(Fre)**

[Treatment of aphthosis with thalidomide and with colchicine] Genvo MF, et al. **Dermatologica** 1984; 168(4):182–8 (Eng. Abstr.) **(Fre)**

[Thalidomide and the treatment of Behçet's syndrome (letter)] Couzigou P, et al. **Gastroenterol Clin Biol** 1983 Aug–Sep;7(8–9):751 **(Fre)**

[Thalidomide and Behçet's syndrome (letter)] Rogé J, et al. **Gastroenterol Clin Biol** 1984 Feb;8(2):196 **(Fre)**

[Effect of colchicine and streptokinase therapy on Budd–Chiari syndrome in Behçet's disease] Varon D, et al. **Harefuah** 1983 Feb 1;104(3):91–2 (Eng. Abstr.) **(Heb)**

ENZYMOLOGY

Neutrophil collagenolytic activity in patients with Behçet disease. Yamada M, et al. **Curr Eye Res** 1984 Jun; 3(6):779–82

Types of ocular attacks and lysosomal enzymes in Behçet's disease. Namba K, et al. **Jpn J Ophthalmol** 1984;28(1):80–8

FAMILIAL & GENETIC

HLA B5 and Behçet's disease [letter] Yazici H, et al. **Ann Rheum Dis** 1983 Oct;42(5):602–3

HLA haplotypes in familial Behçet's disease [letter] González T, et al. **J Rheumatol** 1984 Jun;11(3):405–6

IMMUNOLOGY

A case of pregnancy in a patient suffering from the Behcet syndrome: immunological aspects. Ferraro G, et al. **Acta Eur Fertil** 1984 Jan–Feb;15(1):67–70

Interferon-gamma production by peripheral blood mononuclear cells from patients with Behçet's syndrome. Bacon TH, et al. **Clin Exp Immunol** 1984 Sep;57(3):541–7

Direct immunofluorescence in recurrent aphthous ulcers and Behçet's disease. Reimer G, et al. **Dermatologica** 1983; 167(6):293–8

Behçet's syndrome: immune regulation, circulating immune complexes, neutrophil migration, and colchicine therapy. Jorizzo JL, et al. **J Am Acad Dermatol** 1984 Feb;10(2 Pt 1):205–14

Behçet's disease leucocyte inhibitory factor (LIF) in response to skin extract. Gilhar A, et al. **J Dermatol (Tokyo)** 1983 Apr;10(2):185–6

Increased solubilization of immune complexes by the sera from patients with Behcet's disease. Tanaka K, et al. **Tohoku J Exp Med** 1983 Aug;140(4):363–8

[Usefulness of the HLA-B5 system in Behçet's disease. Apropos of 93 typed cases (letter)] Wechsler B, et al. **Presse Med** 1984 Feb 11;13(5):285 **(Fre)**

[Defects in immunoregulatory circuits activated by concanavalin A in patients with Behçet's disease] Takada S, et al. **Arerugi** 1983 Jul;32(7):393–8 (Eng. Abstr.) **(Jpn)**

[Behçet's disease and streptococcal infection. Measurement of Streptococcus derivative antigen] Namba K, et al. **Nippon Ganka Gakkai Zasshi** 1983;87(11):1112–20 (Eng. Abstr.) **(Jpn)**

METABOLISM

[Generation of superoxide radical by neutrophils in Behçet's disease] Fujita Y, et al. **Nippon Ganka Gakkai Zasshi** 1984 Mar;88(3):621–6 (Eng. Abstr.) **(Jpn)**

OCCURRENCE

[A survey of Behçet's disease in Hokkaido prefecture] Adachi K, et al. **Nippon Hifuka Gakkai Zasshi** 1983 May; 93(6):585–90 **(Jpn)**

PATHOLOGY

Study of 310 cases of Behcet's syndrome. Huang ZJ, et al. **Chin Med J [Engl]** 1983 Jul;96(7):483–90

Epidermal Langerhans' cells in Behçet's disease. Kohn S, et al. **J Clin Pathol** 1984 Jun;37(6):616–9

PHYSIOPATHOLOGY

Decreased fibrinolytic activity in Behçet's syndrome. Sousa Pinto J, et al. **Acta Med Port** 1983 Jul–Aug;4(7–8):339–41

A comparative study of the pathergy reaction among Turkish and British patients with Behçet's disease. Yazici H, et al. **Ann Rheum Dis** 1984 Feb;43(1):74–5

Periodic lateralized EEG abnormality in a case of Neuro–Behcet syndrome. Pourmand R, et al. **Clin Electroencephalogr** 1984 Apr;15(2):122–4

Evidence for an endothelial cell dysfunction in association with Behçet's disease. Schmitz–Huebner U, et al. **Thromb Res** 1984 May 15;34(4):277–85

PSYCHOLOGY

A psychosomatic investigation of Behçet's disease. Koptagel–Ilal G, et al. **Psychother Psychosom** 1983; 40(1–4):263–71

RADIOGRAPHY

Arterial manifestations of Behçet disease. Park JH, et al. **AJR** 1984 Oct;143(4):821–5

[Neuro–Behçet: observations on 3 cases subjected to computerized axial tomography] Fera L, et al. **Riv Neurobiol** 1982 Jul–Dec;28(3–4):323–7 (Eng. Abstr.) **(Ita)**

SURGERY

Vascular surgery in Behçet's syndrome: a case report. Lunghi C, et al. **Ital J Surg Sci** 1983;13(4):317–21

THERAPY

[Behçet's disease: our experience with plasma exchange. Apropos of 7 cases] Lardenet F, et al. **Bull Soc Ophtalmol Fr** 1983 Feb;83(2):229–33 (Eng. Abstr.) **(Fre)**

[Plasma exchange in the treatment of Behcet's disease. Preliminary study apropos of 7 cases] You B, et al. **Rev Med Interne** 1983 Sep;4(3):231–5 (Eng. Abstr.) **(Fre)**

[Behçet's syndrome. Treatment by plasmapheresis] Pinto JS. **Med Cutan Iber Lat Am** 1984;12(2):163–6 (Eng. Abstr.) **(Por)**

BEJEL see under **TREPONEMAL INFECTIONS**

BELCHING see **ERUCTATION**

BELGIAN HARE see **RABBITS**

BELLADONNA

METABOLISM

[Effect of cobalt and copper on alkaloid accumulation in Atropa belladonna L.] Petrishek IA, et al. **Izv Akad Nauk SSSR [Biol]** 1983 Nov–Dec;(6):879–87 (Eng. Abstr.) **(Rus)**

BELLADONNA ALKALOIDS

BIOSYNTHESIS

[Effect of cobalt and copper on alkaloid accumulation in Atropa belladonna L.] Petrishek IA, et al. **Izv Akad Nauk SSSR [Biol]** 1983 Nov–Dec;(6):879–87 (Eng. Abstr.) **(Rus)**

BELL'S PALSY see **FACIAL PARALYSIS**

BEMEGRIDE

DIAGNOSTIC USE

[EEG activation with bemegride in epilepsy diagnosis. 1: Literature review] Fröscher W, et al. **EEG EMG** 1984 Jun; 15(2):75–81 (Eng. Abstr.) **(Ger)**

[The importance of the activation method in the electroencephalographic diagnosis of epilepsy] Jorgić S, et al. **Neurologija** 1981;29(1–4):77–81 (Eng. Abstr.) **(Ser)**

BENACTYZINE

PHARMACODYNAMICS

Mechanism of relaxant action of papaverine. III. Comparison of sodium ion dependencies on the relaxant effects of papaverine, Aspaminol and benactyzine in guinea-pig taenia coli. Sunagane N, et al. **J Pharmacobiodyn** 1983 Jul; 6(7):466–74

Soman-induced depression of brain activity in TAB-pretreated rats: 2-deoxyglucose study. Pazdernik TL, et al. **Neurotoxicology (Park Forest Il)** 1983 Winter; 4(4):27–34

[Histamine-induced contraction of the guinea pig taenia coli and its inhibition by D-600, papaverine, and benactyzine] Mukai T, et al. **Nippon Heikatsukin Gakkai Zasshi** 1983 Apr;19(2):97–105 (Eng. Abstr.) **(Jpn)**

[Ba-induced contraction of the guinea pig ileal longitudinal muscle and its inhibition by D-600, benactyzine, and papaverine] Mukai T, et al. **Nippon Heikatsukin Gakkai Zasshi** 1983 Apr;19(2):107–114

(Eng. Abstr.) (Jpn)
[Effect of M-and N-cholinolytics on the content of Ca2+ in synaptosomes and metabolism of phosphoinositols in the rat brain] Sukhovskaia TA, et al. **Vopr Med Khim** 1983 Sep-Oct;29(5):51-4 (Eng. Abstr.) (Rus)

BENCE JONES PROTEIN

A search for site-filling ligands in the Mcg Bence-Jones dimer: crystal binding studies of fluorescent compounds. Edmundson AB, et al. **Mol Immunol** 1984 Jul;21(7):561-76

ANALYSIS

Bence Jones proteins: present diagnostic approaches. Ritzmann SE, et al. **Lab Res Methods Biol Med** 1983; 8:147-71
[A case of IgD (lambda) myeloma with acute renal failure due to Bence Jones protein nephropathy successfully treated by plasma exchange] Akahonai Y, et al. **Rinsho Ketsueki** 1984 Feb;25(2):176-81 (Eng. Abstr.) (Jpn)
[A case of IgG-Bence Jones protein kappa type multiple myeloma complicated by adult Fanconi syndrome and osteomalacia] Imagawa S, et al. **Rinsho Ketsueki** 1984 Jan; 25(1):69-74 (Eng. Abstr.) (Jpn)

IMMUNOLOGY

Variable-region sequences of five human lambda-chain proteins reacting with an idiotypic antibody to the MCG Bence-Jones protein. Zhu D, et al. **Mol Immunol** 1983 Oct; 20(10):1107-16

URINE

Primary structure of the variable region of a human lambda VI light chain: Bence Jones protein SUT. Frangione B, et al. **J Immunol** 1983 Nov;131(5):2490-3
Plasma cell myeloma showing progressive bone destruction during long-term clinical remission. Isobe T, et al. **Jpn J Med** 1983 Aug;22(3):245-8
Myeloma kidney cast nephropathy in a rat model of multiple myeloma. Smolens P, et al. **Kidney Int** 1983 Aug; 24(2):192-204
[Isoelectric point of Bence Jones protein and kidney failure in Bence Jones myeloma] Iavorkovskil LI, et al. **Klin Med (Mosk)** 1984 Apr;62(4):79-84 (Rus)

BENCYCLANE see under **CYCLOHEPTANES**

BENDER-GESTALT TEST

The relationship between rotations on the Bender-Gestalt test and ratings of patient disorientation. Mermelstein JJ. **J Pers Assess** 1983 Oct;47(5):490-1
Comparison of reproductions of the Bender-Gestalt and memory-for-designs by delinquents and non-delinquents. Hinkle JS. **Percept Mot Skills** 1983 Dec;57(3 Pt 2):1070
Improving the concurrent validity of the Bender-Gestalt test. McCann R, et al. **Percept Mot Skills** 1984 Jun;58(3):947-50

BENDROFLUAZIDE see **BENDROFLUMETHIAZIDE**

BENDROFLUMETHIAZIDE

ADVERSE EFFECTS

Ventricular extrasystoles during thiazide treatment: substudy of MRC mild hypertension trial. **Br Med J [Clin Res]** 1983 Oct 29;287(6401):1249-53
Acute dysphagia induced by bendrofluazide-K. Ashour M, et al. **Practitioner** 1984 May;228(1391):524-5

ANALYSIS

High-performance liquid chromatographic analysis of nadolol and bendroflumethiazide combination tablet formulations. Perlman S, et al. **J Pharm Sci** 1984 Feb; 73(2):259-61

PHARMACODYNAMICS

Comparison of the hypotensive effects of bendrofluazide, bumetanide and xipamide. Gabriel R. **Curr Med Res Opin** 1983;8(9):645-8

THERAPEUTIC USE

Antihypertensive treatment in elderly patients in general practice (preliminary results). Andersen GS. **Acta Med Scand [Suppl]** 1983;676:151-60
Hydrochlorothiazide and bendroflumethiazide in low doses--a comparative trial. **Acta Pharmacol Toxicol (Copenh)** 1984;54 Suppl 1:47-51
Efficacy of nadolol alone and combined with bendroflumethiazide and hydralazine for systemic hypertension. **Am J Cardiol** 1983 Dec 1;52(10):1230-7
Effects of diuretic and beta-blocker therapy in the Medical Research Council Trial. Greenberg G, et al. **Am J Med** 1984 Feb 27;76(2A):45-51
Long term usage of Prestim (timolol/bendrofluazide) in the management of mild to moderate hypertension in general practice. Hosie J, et al. **Br J Clin Pract** 1983 Nov-Dec; 37(11-12):393-6
'Third drug' trial: comparative study of antihypertensive agents added to treatment when blood pressure remains uncontrolled by a beta blocker plus thiazide diuretic. McAreavey D, et al. **Br Med J [Clin Res]** 1984 Jan 14; 288(6411):106-11
Controlled trial of nifedipine and bendroflumethiazide in hypertension. Hallin L, et al. **J Cardiovasc Pharmacol** 1983 Nov-Dec;5(6):1083-5
The use of timolol/bendrofluazide (Prestim) in the treatment of hypertensive patients failing to respond to other antihypertensives. Ellis R, et al. **J Int Med Res** 1983; 11(6):359-63
Timolol/bendrofluazide combination ('Prestim') in the treatment of poorly controlled hypertensive patients in general practice. Douglas-Jones AP. **Pharmatherapeutica** 1984;3(9):631-5
A multi-centre, general practice assessment of a timolol/bendrofluazide combination ('Prestim') in the treatment of mild to moderate hypertension. Head AC. **Pharmatherapeutica** 1984;3(10):650-6
Do thiazides prevent recurrent idiopathic renal calcium oxalate stones? Wolf H, et al. **Proc Eur Dial Transplant Assoc** 1983;20:477-80
Hypertension: psychological aspects and diagnostic impact in a clinical trial. Mann A. **Psychol Med** 1984;Suppl 5:1-35
Effect of thiazides on the urinary calcium oxalate stone-forming potential in normal males. Brocks P, et al. **Scand J Urol Nephrol** 1983;17(3):325-8
[Treatment of essential arterial hypertension with nadolol and bendroflumethiazide] Marchetta F, et al. **Clin Ter** 1983 Aug 15;106(3):209-12 (Eng. Abstr.) (Ita)

TOXICITY

Preclinical safety evaluation of the nadolol/bendroflumethiazide combination in mice, rats, and dogs. Stevens AC, et al. **Fundam Appl Toxicol** 1984 Jun; 4(3 Pt 1):360-9

BENDS see **DECOMPRESSION SICKNESS**

BENECKEA see under **VIBRIONACEAE**

BENHYDRAMIN see **DIPHENHYDRAMINE**

BENIGN INTRACRANIAL HYPERTENSION see **PSEUDOTUMOR CEREBRI**

BENOMYL see under **CARBAMATES**

BENORILATE see under **SALICYLATES**

BENSERAZIDE see under **HYDRAZINES**

BENSOKAIN see **BENZOCAINE**

BENSYLYTUM see **PHENOXYBENZAMINE**

BENTONITE

IMMUNOLOGY

[Experimental basis for using Soviet bentonite clays as immunosorbents for serological studies] Somov GP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Jul;(7):97-101 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

Inhibition of ribonuclease contamination in preparations of T4 RNA ligase, polynucleotide kinase, and bacterial alkaline phosphatase with bentonite. Tyulkina LG, et al. **Anal Biochem** 1984 May 1;138(2):285-90
Role of bentonite in prevention of T-2 toxicosis in rats. Carson MS, et al. **J Anim Sci** 1983 Dec;57(6):1498-506
[Effects of a shielding antacid on changes in the gastric potential difference induced by aspirin in man] Florent C, et al. **Gastroenterol Clin Biol** 1984 Apr;8(4):359-63 (Eng. Abstr.) (Fre)
[Comparative evaluation of methods of concentrating hepatitis A virus with polyethylene glycol and bentonite] Nechiporenko NG, et al. **Vopr Virusol** 1983 Sep-Oct; 28(5):634-7 (Rus)

TOXICITY

[Toxicological studies of a combination of technical tylosin phosphate with bentonite (farmazin TB)] Donev B, et al. **Vet Med Nauki** 1983;20(5-6):80-6 (Eng. Abstr.) (Bul)

BENZALBUTYRIC ACID see under **BUTYRATES**

BENZALDEHYDES

Comparison of three reagents for detecting indole production by anaerobic bacteria in microtest systems. Lombard GL, et al. **J Clin Microbiol** 1983 Sep;18(3):609-13

ADVERSE EFFECTS

Bronchospasm induced by vanillin and lactose. van Assendelft AH. **Eur J Respir Dis** 1984 Aug;65(6):468-72
[Vanillin- and lactose-induced bronchospasm] van Assendelft AH. **Duodecim** 1983;99(20):1468-73 (Fin)

CHEMICAL SYNTHESIS

New arylsulfonylhydrazones of substituted benzaldehydes as anticancer agents. Pal P, et al. **Neoplasma** 1983;30(5):551-6

METABOLISM

Metabolism of piperonal and piperonyl alcohol in the rat with special reference to the scission of the methylenedioxy group. Klungsøyr J, et al. **Acta Pharm Suec** 1984; 21(1):67-72
Benzylamine metabolism at low O2 concentrations. Relative sensitivities of monoamine oxidase, aldehyde dehydrogenase and hippurate synthesis to hypoxia. Jones DP. **Biochem Pharmacol** 1984 Feb 1;33(3):413-7
Active site cobalt(II)-substituted liver alcohol dehydrogenase: characterization of intermediates in the reduction of p-nitrobenzaldehyde by rapid-scanning ultraviolet-visible spectroscopy. Koerber SC, et al. **Biochemistry** 1983 Jul 5;22(14):3424-31

PHARMACODYNAMICS

Substituted benzaldehydes designed to increase the oxygen affinity of human haemoglobin and inhibit the sickling of sickle erythrocytes. Beddell CR, et al. **Br J Pharmacol** 1984 Jun;82(2):397-407

BENZALKONIUM see **BENZALKONIUM COMPOUNDS**

BENZALKONIUM COMPOUNDS

Serratia marcescens meningitis associated with a contaminated benzalkonium chloride solution. Sautter RL, et al. **Infect Control** 1984 May;5(5):223-5

ADMINISTRATION & DOSAGE

[Benzalkonium chloride tampons. Local tolerance and effects on cervix mucus] Erny R, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1983;12(7):767-74 (Eng. Abstr.) (Fre)

ADVERSE EFFECTS

Infantile methemoglobinemia induced by a topical anesthetic, Cetacaine. Seibert RW, et al. **Laryngoscope** 1984 Jun; 94(6):816-7
[Erroneous administration of sterinol to children] Marcinkowski T. **Wiad Lek** 1983 Apr 15;36(8):691-3 (Eng. Abstr.) (Pol)

PHARMACODYNAMICS

Antimicrobial activity and physico-chemical properties of some alkyldimethylbenzylammonium chlorides. Daoud NN, et al. **Microbios** 1983;37(148):73-85
[On the bacterial effectiveness of various disinfectants (II)] Satsuda K, et al. **Nippon Ika Daigaku Zasshi** 1984 Feb; 51(1):99-103 (Jpn)

POISONING

[Asepsol poisoning] Blonder J, et al. **Arh Hig Rada Toksikol** 1983 Jun;34(2):153-6 (Eng. Abstr.) (Scr)

THERAPEUTIC USE

The treatment of napkin dermatitis: a double-blind comparison of two steroid-antibiotic combinations. Bowring AR, et al. **Pharmatherapeutica** 1984;3(9):613-7
[Topical therapeutic action of a new preparation with antifungal and antibacterial action (Vancide 89 RE-BTC 2125 M 50%)] Carnimeo L, et al. **G Ital Dermatol Venereol** 1982 Jul-Aug; 117(4):XXXV-XXXVIII (Eng. Abstr.) (Ita)
[The therapeutic activity of an anti-mycotic preparation (Vancide 89 RE-BTC 2125 M 50%)] Di Silverio A, et al. **G Ital Dermatol Venereol** 1982 May-Jun; 117(3):XXIII-XXVI (Eng. Abstr.) (Ita)

BENZALOLIN see **TOLAZOLINE**

BENZAMIDES

The effectiveness of permethrin and deet, alone or in combination, for protection against Aedes taeniorhynchus. Schreck CE, et al. **Am J Trop Med Hyg** 1984 Jul; 33(4):725-30

ADMINISTRATION & DOSAGE

[Tiapride in anesthesiology. Study of the tiapride-ketamine combination in general and specialized surgery] Daussy D, et al. **Ann Chir** 1983 Dec;37(9):696-9 (Eng. Abstr.) (Fre)

ADVERSE EFFECTS

Toxicity of an insect repellent: N-N-diethyltoluamide. de Garbino JP, et al. **Vet Hum Toxicol** 1983 Dec;25(6):422-3

ANALYSIS

Measurement of moclobamide, a new monoamine oxidase inhibitor, by gas chromatography with nitrogen-selective detection. Maguire KP, et al. **J Chromatogr** 1983 Dec 9; 278(2):429-33

BLOOD

Radioimmunoassay for clebopride, a new benzamide drug with antidopaminergic activity. Yano M, et al. **Chem Pharm Bull (Tokyo)** 1984 Apr;32(4):1491–7

CHEMICAL SYNTHESIS

Potential neuroleptic agents. 2. Synthesis and dopamine blocking activity of some new 2,6-dimethoxybenzamide derivatives. Florvall L, et al. **Acta Pharm Suec** 1983; 20(5):365–70

Anticonvulsant activity of some 4-aminobenzamides. Clark CR, et al. **J Med Chem** 1984 Jun;27(6):779–82

Synthesis and neuroleptic activity of N-[(1-ethyl-2-pyrrolidinyl)methyl]-2-methoxy-5-sulfona s. Ogata M, et al. **J Med Chem** 1984 Sep;27(9):1137–41

[Quaternary salts of aminoethyl-p-aminobenzoates and aminoethyl-p-aminobenzamides. Synthesis and pharmacologic activity] Bousquet E, et al. **Farmaco [Sci]** 1984 Jan;39(1):3–15 (Eng. Abstr.) **(Ita)**

CLASSIFICATION

Pharmacological classification of benzamides. Puech AJ, et al. **Acta Psychiatr Scand [Suppl]** 1984;311:139–45

METABOLISM

Single-dose pharmacokinetics of the MAO-inhibitor moclobemide in man. Raaflaub J, et al. **Arzneimittelforsch** 1984;34(1):80–2

The rate of penetration of leaf tissues by the systemic fungicides benodanil (2-iodobenzanilide) and oxycarboxin (2,3-dihydro-6 methyl-5 phenylcarbamoyl-1,4-oxathin-4,4-dioxide). Udeogalanya AC. **Beitr Trop Landwirtsch Veterinarmed** 1984;22(1):91–4

Selective binding of YM-09151-2, a new potent neuroleptic, to D2-dopaminergic receptors. Terai M, et al. **Jpn J Pharmacol** 1983 Aug;33(4):749–55

PHARMACODYNAMICS

The acyl-amino-alkyl benzoic acid residue and the sulfonylurea containing residue of glibenclamide affect different aspects of beta-cell function. Norlund L, et al. **Acta Physiol Scand** 1984 Feb;120(2):283–6

Multiple dopamine receptors in brain and the pharmacological action of substituted benzamide drugs. Jenner P, et al. **Acta Psychiatr Scand [Suppl]** 1984; 311:109–23 (64 ref.)

Studies on the mechanism of action of substituted benzamide drugs. Köhler C, et al. **Acta Psychiatr Scand [Suppl]** 1984; 311:125–37

Inhibitory effect of cloxacepride on compound 48/80-induced histamine and serotonin release from rat mast cells. Friedrich G, et al. **Arch Int Pharmacodyn Ther** 1984 Feb;267(2):264–8

Neuropharmacological profile of MD 790501, a new benzamide derivative. Jalfre M, et al. **Arch Int Pharmacodyn Ther** 1983 Aug;264(2):232–56

Evidence that KF4939, a new anti-platelet agent, inhibits phospholipase activation in rabbit platelets: different aspects from cyclic AMP increasing agents and calmodulin antagonist. Yamada K, et al. **Arch Int Pharmacodyn Ther** 1984 Mar;268(1):141–54

Coordinate inhibition of DNA synthesis and thymidylate synthase activity following DNA damage and repair. Boorstein RJ, et al. **Biochem Biophys Res Commun** 1983 Nov 30;117(1):30–6

The in vivo effect of benzamide and phenobarbital on liver enzymes: poly(ADP-ribose) polymerase, cytochrome P-450, styrene oxide hydrolase, cholesterol oxide hydrolase, glutathione S-transferase and UDP-glucuronyl transferase. Griffin MJ, et al. **Biochem Biophys Res Commun** 1984 Jul 31;122(2):770–5

Effect of benzamide on cell growth, NAD and ATP levels in cultured chick limb bud cells. Nakanishi S, et al. **Biochem Biophys Res Commun** 1984 Jun 15;121(2):710–6

Inhibitors of poly (ADP-ribose) synthesis enhance radiation response by differentially affecting repair of potentially lethal versus sublethal damage. Ben-Hur E, et al. **Br J Cancer [Suppl]** 1984;6:39–42

Post-irradiation sensitization with the ADP-ribosyltransferase inhibitor 3-acetamidobenzamide. Lunec J, et al. **Br J Cancer [Suppl]** 1984;6:19–25

ADP-ribosylation and post-irradiation cellular recovery in two strains of L5178Y cells. Szumiel I, et al. **Br J Cancer [Suppl]** 1984;6:33–8

3-Aminobenzamide does not increase repair patch size in mammalian cells. Walker IG, et al. **Can J Biochem Cell Biol** 1984 Jun;62(6):329–34

DEET (N,N-diethyltoluamide) does not affect sperm number, viability and head morphology in male rats treated dermally. Lebowitz H, et al. **Drug Chem Toxicol** 1983; 6(4):379–95

Reduction of sister chromatid exchange frequency with time after mutagen exposure in Chinese hamster ovary cells in the presence of 3-aminobenzamide. Schwartz JL, et al. **Environ Mutagen** 1984;6(2):203–10

Cardiocirculatory effects of moclobemide (Ro 11-1163), a new reversible, a short-acting MAO-inhibitor with preferential type A inhibition, in healthy volunteers and depressive patients. Gasic S, et al. **Eur J Clin Pharmacol** 1983;25(2):173–7

A central site of action for benzamide facilitation of gastric emptying. Costall B, et al. **Eur J Pharmacol** 1983 Jul 22; 91(2-3):197–205

Evidence that ADP-ribosylation is not necessary for luteinizing hormone stimulation of Leydig cell steroidogenesis. Moger WH. **Experientia** 1983 Dec 15; 39(12):1407–8

Fluorescence autoradiographic assay of transcriptive activity of benzamide induced puff 93D in Drosophila melanogaster. Ghosh S, et al. **Indian J Exp Biol** 1983 Feb; 21(2):49–53

Inhibitors of poly(ADP-ribose) synthetase enhance the cytotoxicity of 42 degrees C and 45 degrees C hyperthermia in cultured Chinese hamster cells. Nagle WA, et al. **Int J Radiat Biol** 1983 Nov;44(5):475–81

Interference with DNA repair mechanisms of mammalian cells: cell cycle dependence. Pardee AB, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1983; 13:287–94

Mortality of eggs and larvae of the face fly (Diptera: Muscidae) after exposure of adults to surface treated with BAY SIR 8514 and penfluron. Knapp FW, et al. **J Econ Entomol** 1983 Dec;76(6):1350–2

Receptor binding sites of hypoglycemic sulfonylureas and related [(acylamino)alkyl]benzoic acids. Brown GR, et al. **J Med Chem** 1984 Jan;27(1):79–81

Investigation on central dopaminergic receptors (D-2) using the antagonistic properties of new benzamides. Rumigny JF, et al. **J Pharm Pharmacol** 1984 Jun;36(6):373–7

Effect of poly(ADP-ribose)polymerase inhibitors on the frequency of sister-chromatid exchanges in Bloom syndrome cells. Shiraishi Y, et al. **Mutat Res** 1983 Nov; 122(2):223–8

Cell cycle-dependent intervention by benzamide of carcinogen-induced neoplastic transformation and in vitro poly(ADP-ribosyl)ation of nuclear proteins in human fibroblasts. Kun E, et al. **Proc Natl Acad Sci USA** 1983 Dec;80(23):7219–23

Evidence that proglumide and benzotript antagonize secretagogue stimulation of isolated gastric parietal cells. Magous R, et al. **Regul Pept** 1983 Nov;7(3):233–41

Inhibition of the growth of Ureaplasma urealyticum by a new urease inhibitor, flurofamide. Kenny GE. **Yale J Biol Med** 1983 Sep-Dec;56(5-6):717–22

[Interaction between tiapride and alcohol in man] Vandel B, et al. **Sem Hop Paris** 1984 Jan 26;60(3):175–7 (Eng. Abstr.) **(Fre)**

[Pharmacological effects of brovanexine hydrochloride (BR-222) on the respiratory tract system, particularly on the respiratory tract fluid, mucociliary transport and cough] Kasé Y, et al. **Nippon Yakurigaku Zasshi** 1984 Feb; 83(2):173–81 (Eng. Abstr.) **(Jpn)**

[Sequential changes of the activities of the dog tracheal secretory cells caused by intraduodenal application of brovanexine] Yamazaki M, et al. **Nippon Yakurigaku Zasshi** 1983 Jul;82(1):57–66 (Eng. Abstr.) **(Jpn)**

[Comparative study of the central effects of M-14012-A and SKF-525-A in rodents] Garrido J, et al. **Arch Farmacol Toxicol** 1983 Aug;9(2):191–202 (Eng. Abstr.) **(Spa)**

[Effect of MA-14012 (Dosetil) on lymphocyte mitogenesis. In vitro study] Pacheco M, et al. **Rev Esp Anestesiol Reanim** 1984 Jan-Feb;31(1):6–8 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

The use of substituted benzamides in psychiatry. Proceedings of a symposium held during the 13th CINP Congress. Jerusalem, June 20–25, 1982. **Acta Psychiatr Scand [Suppl]** 1984;311:1–162

Adjuvant drugs in the treatment of on-off phenomena in Parkinson's disease. Csanda E, et al. **Adv Neurol** 1984; 40:549–56

Cataplexy relieved by tiapride [letter] Paulus W, et al. **Arch Neurol** 1983 Dec;40(13):828

Tiapride versus glafenine: a double-blind comparative study in the management of acute rheumatic pain. Ginsberg F, et al. **Curr Med Res Opin** 1983;8(8):562–9

Atypical neuroleptics: clozapine and the benzamides in the prevention and treatment of tardive dyskinesia. Pi EH, et al. **Mod Probl Pharmacopsychiatry** 1983;21:80–6 (31 ref.)

A placebo-controlled study of the antidepressant activity of moclobemide, a new MAO-A inhibitor. Casacchia M, et al. **Pharmacopsychiatry** 1984 Jul;17(4):122–5

[Tiapride] Sopková B, et al. **Cas Lek Cesk** 1984 Mar 16; 123(11):326–7 **(Cze)**

[Controlled study of the analgesic efficacy of 2 drugs: tiapride versus aspirin] Clavel M, et al. **Sem Hop Paris** 1984 Feb 16;60(8):565–7 (Eng. Abstr.) **(Fre)**

[Effect of tiapride in acute manifestations of alcohol withdrawal] de Figueiredo R. **Sem Hop Paris** 1983 Oct 13;59(36):2551–4 (Eng. Abstr.) **(Fre)**

[Double-blind comparative study of lorazepam and tiapride effects on the memory capacities of subjects over 60 years of age] Léger JM, et al. **Sem Hop Paris** 1984 Mar 22; 60(13):932–6 (Eng. Abstr.) **(Fre)**

[An original treatment of sleep disorders, anxiety and agitation in elderly patients: tiapride] Taillefer SM, et al. **Sem Hop Paris** 1983 Jul 7;59(27-28):2049–52 (Eng. Abstr.) **(Fre)**

[New contributions on extinction tests of essential headache. III. The test with tiapride] Gallo MF, et al. **Boll Soc Ital Biol Sper** 1983 Aug 30;59(8):1139–41 (Eng. Abstr.) **(Ita)**

[Symptomatic therapy of vomiting in children. Clinical study of a new preparation with anti-emetic activity (Clebopride)] Domenici R, et al. **Minerva Pediatr** 1984 Feb 15;36(3):145–8 (Eng. Abstr.) **(Ita)**

TOXICITY

The influence of inhibitors on the repair of benzo[a]pyrene-damaged DNA in hamster tracheal epithelial cells. Ireland CM, et al. **Carcinogenesis** 1984 Feb; 5(2):187–91

Effect of 3-aminobenzamide on the induction of toxicity and transformation by ethyl methanesulfonate and methylcholanthrene in BALB/3T3 cells. Lubet RA, et al. **Carcinogenesis** 1984 Apr;5(4):459–62

Induction of sister chromatid exchange by 3-aminobenzamide is independent of bromodeoxyuridine. Morgan WF, et al. **Cytogenet Cell Genet** 1984;38(1):34–8

Factors modifying 3-aminobenzamide cytotoxicity in normal and repair-deficient human fibroblasts. Boorstein RJ, et al. **J Cell Physiol** 1984 Sep;120(3):335–44

3-Aminobenzamide is lethal to MMS-damaged human fibroblasts primarily during S phase. Boorstein RJ, et al. **J Cell Physiol** 1984 Sep;120(3):345–53

Differential toxicity of 3-aminobenzamide to wild-type and 6-thioguanine-resistant Chinese hamster cells by interference with pathways of purine biosynthesis. Cleaver JE. **Mutat Res** 1984 Mar-Apr;131(3-4):123–7

Comparative analysis of caffeine and 3-aminobenzamide as DNA repair inhibitors in Syrian baby hamster kidney cells. Das SK, et al. **Mutat Res** 1984 Feb;131(2):71–9

Influence of caffeine and 3-aminobenzamide in G2 on the frequency of chromosomal aberrations induced by thiotepa, mitomycin C and N-methyl-N-nitro-N'-nitrosoguanidine in human lymphocytes. Hansson K, et al. **Mutat Res** 1984 May;126(3):251–8

Inhibitors of poly(adenosine diphosphate-ribose) synthesis: effect on other metabolic processes. Milam KM, et al. **Science** 1984 Feb 10;223(4636):589–91

URINE

Determination of N-oxide of picobenzide by differential pulse polarography. Santos Buelga D, et al. **Farmaco [Prat]** 1983 Oct;38(10):376–82

BENZAMIDINES see under **AMIDINES**

BENZANTHRACENES

Skin carcinogenesis in rats by 3-methylcholanthrene and 7,12-dimethylbenz(alpha)anthracene. Influence of dose and frequency on tumour response and its histological type. Rasmussen KS, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1983 Nov; 91(6):445–55

Topographical distribution of dimethylbenz(a)anthracene-induced rat mammary tumors. Kellen JA. **Ann Clin Lab Sci** 1983 Jul-Aug;13(4):289–90

Prolactin levels and molecular heterogeneity in rat strains with high and low incidence of DMBA-induced mammary tumors. Lawson DM, et al. **Breast Cancer Res Treat** 1984; 4(2):129–36

The molecular structure of 11-methylbenz[a]anthracene: an almost planar substituted benz[a]anthracene. Briant CE, et al. **Carcinogenesis** 1984 Mar;5(3):363–5

Skin carcinogenesis tests in mice of derivatives of 7,12-dimethylbenz[a]anthracene substituted in the 'A' ring. Lijinsky W, et al. **Carcinogenesis** 1983 Oct;4(10):1221–4

Dinitro and mononitrobenzo(ghi)perylenes and mononitrocoronene are highly mutagenic in the Ames Salmonella assay. Vance WA, et al. **Environ Mutagen** 1983; 5(6):859–69

Inhibition by quercetin of the promoting effect of teleocidin on skin papilloma formation in mice initiated with 7,12-dimethylbenz[a]anthracene. Nishino H, et al. **Gann** 1984 Feb;75(2):113–6

Chemical induction of ovarian epithelial carcinoma in mice. Jacobs AJ, et al. **Gynecol Oncol** 1984 Jun;18(2):177–80

Effect of estrogens on DMBA induced breast tumors. Wotiz HH, et al. **J Steroid Biochem** 1984 Apr;20(4B):1067–75

The effectiveness of prophylactic subcutaneous mastectomy in Sprague-Dawley rats induced with 7,12-dimethylbenzanthracene. Jackson CF, et al. **Plast Reconstr Surg** 1984 Feb;73(2):249–60

Ultrastructure of mammary carcinomas in male rats induced by 7,12-dimethylbenz(a)anthracene. Yoshida A, et al. **Virchows Arch [Cell Pathol]** 1984;45(2):157–68

[Cumulative effects of lentinan and endocrine therapy on the growth of DMBA-induced mammary tumor in rats] Kosaka A, et al. **Gan To Kagaku Ryoho** 1984 Jul; 11(7):1399–407 (Eng. Abstr.) **(Jpn)**

ADMINISTRATION & DOSAGE

An ultrastructural comparison of carcinogen-associated and spontaneous aortic lesions in the cockerel. Batastini G, et al. **Am J Pathol** 1984 Mar;114(3):403–9

Experiments on the influence of combined application of N-methylnitrosourea and 7,12-dimethylbenzanthracene in female Sprague-Dawley rats. Berger M, et al.

Arch Geschwulstforsch 1983;53(5):423-7

ADVERSE EFFECTS

Experimental-induced sarcomas after intra-articular injection of 9-10-dimethyl-1-2-benzanthracene. Homma W, et al. Arch Orthop Trauma Surg 1983;102(2):111-3

Histopathologic studies of DMBA-induced mouse submandibular-gland tumors with or without cryoprobe treatment. Takai Y, et al. J Oral Pathol 1984 Aug; 13(4):419-28

ANALYSIS

The presence of the mutagenic polycyclic aromatic hydrocarbons benzo[a]pyrene and benz[a]anthracene in creosote P1. Bos RP, et al. Mutat Res 1984 Jun; 130(3):153-8

ANTAGONISTS & INHIBITORS

The reduction of tumor initiating activity and cell mediated mutagenicity of dimethylbenz[a]anthracene by a copper coordination compound. Solanki V, et al. Carcinogenesis 1984 Jan;5(1):129-31

Inhibitory effects of alpha- and beta-naphthoflavones on DMBA-induced anomalies in germ cells assessed by sperm abnormality assay. Raj AS, et al. Mutat Res 1984 Apr; 136(1):81-4

Effect of Japanese seaweed (Laminaria angustata) extracts on the mutagenicity of 7,12-dimethylbenz[a]anthracene, a breast carcinogen, and of 3,2'-dimethyl-4-aminobiphenyl, a colon and breast carcinogen. Reddy BS, et al. Mutat Res 1984 Jul;127(2):113-8

[Effect of sulpiride and castration on mammary carcinogenesis caused by 7,12-dimethylbenzanthracene in the Wistar rat] Martorell M, et al. Rev Esp Oncol 1982; 29(2):289-300 (Eng. Abstr.) (Spa)

IMMUNOLOGY

Immunosuppression following 7,12-dimethylbenz[a]anthracene exposure in B6C3F1 mice. I. Effects on humoral immunity and host resistance. Ward EC, et al. Toxicol Appl Pharmacol 1984 Sep 15; 75(2):299-308

METABOLISM

Metabolism of 7,12-dimethylbenz[a]anthracene by Cunninghamella elegans. Wong LK, et al. Appl Environ Microbiol 1983 Nov;46(5):1239-42

Regio- and stereo-selective metabolism of 4-methylbenz[a]anthracene by the fungus Cunninghamella elegans. Cerniglia CE, et al. Biochem J 1983 Nov 15; 216(2):377-84

Studies of the absorption and enterohepatic circulation of 7,12-dimethylbenz[a]anthracene in the rat. Laher JM, et al. Can J Physiol Pharmacol 1983 Nov;61(11):1368-73

7,12-Dimethylbenz[alpha]anthracene-DNA adducts in cultured cells from mouse fetuses of different gestational ages. Dipple A, et al. Cancer Lett 1984 Jan;21(3):285-92

Comparative metabolism of 7,12-dimethylbenz[a]-anthracene and its non-carcinogenic 2-fluoro analogue by Syrian hamster embryo cells. Oravec CT, et al. Cancer Lett 1983 Nov;21(1):43-55

Metabolism of xenobiotics in the human adrenal gland. Papadopoulos D, et al. Cancer Lett 1984 Feb;22(1):23-30

The binding of polycyclic aromatic hydrocarbon diol-epoxides to DNA. Ridler P, et al. Cancer Lett 1984 Feb;22(1):95-8

Effects of butylated hydroxyanisole and butylated hydroxytoluene on 7,12-dimethylbenz[a]anthracene-DNA adduct formation in mouse embryo cell cultures. Sawicki JT, et al. Cancer Lett 1983 Sep;20(2):165-71

Products of binding of 7,12-dimethylbenz(a)anthracene to DNA in mouse skin. Bigger CA, et al. Cancer Res 1983 Dec;43(12 Pt 1):5647-51

Stereoselectivity of rat liver microsomal enzymes in the metabolism of 7-fluorobenz(a)anthracene and mutagenicity of metabolites. Chiu PL, et al. Cancer Res 1984 Feb; 44(2):562-70

Comparison of the metabolic activation of 7, 12-dimethylbenz(a)anthracene by a human hepatoma cell line (HepG2) and low passage hamster embryo cells. DiGiovanni J, et al. Cancer Res 1984 Jul;44(7):2878-84

Relationship between the anticarcinogenic effect of N6,O2'-dibutyryl cyclic adenosine 3',5'-monophosphate and modulation of gene expression and inhibition of binding of 7,12-dimethylbenz(alpha)anthracene to DNA of mammary cells. Huang FL, et al. Cancer Res 1984 Apr; 44(4):1595-9

Binding of benzo(a)pyrene and dibenz(a,h)anthracene to the Ah receptor in mouse and rat hepatic cytosols. Okey AB, et al. Cancer Res 1984 Apr;44(4):1426-32

7,12-Dimethylbenz[a]anthracene—DNA adducts in Sprague-Dawley and Long-Evans female rats: the relationship of DNA adducts to mammary cancer. Daniel FB, et al. Carcinogenesis 1984 Aug;5(8):1021-6

7,12-dimethylbenz[a] anthracene—DNA binding in mouse skin: response of different mouse strains and effects of various modifiers of carcinogenesis. Dipple A, et al. Carcinogenesis 1984 Aug;5(8):1087-90

Formation of the 1,2-diol as a metabolite of 7,12-dimethylbenz[a]-anthracene by rodent and human skin. Weston A, et al. Carcinogenesis 1983 Oct; 4(10):1307-11

The metabolism of 7,12-dimethylbenz[a]anthracene and 7-hydroxymethyl-12-methylbenz[a]anthracene by rat liver and adrenal homogenates and by rat adrenocortical cells. Swallow WH, et al. Chem Biol Interact 1983 Dec; 47(3):347-61

Stereoselective metabolism of 7-methylbenz[a]anthracene: absolute configuration of five dihydrodiol metabolites and the effect of dihydrodiol conformation on circular dichroism spectra. Yang SK, et al. Chem Biol Interact 1984 Apr;49(1-2):71-88

Percutaneous absorption of [7.10-14C]benzo[a]pyrene and [7,12-14C]dimethylbenz[a]anthracene in mice. Sanders CL, et al. Environ Res 1984 Apr;33(2):353-60

Metabolic activation of 7,12-dimethylbenz[alpha]anthracene (DMBA) and 7-methylbenz[alpha]anthracene (7-MBA) by rat liver P-450 and sulfotransferase. Watabe T. J Toxicol Sci 1983 May;8(2):119-31

In vitro metabolism of selected fluoro analogs of 7,12-dimethylbenz[a]anthracene. Wong LK, et al. Res Commun Chem Pathol Pharmacol 1983 Jun; 40(3):417-28

Binding of metabolically activated aromatic hydrocarbons to nonhistone proteins of rat liver nuclei. Kikuchi H, et al. Sci Rep Res Inst Tohoku Univ [Med] 1983 Dec; 30(1-4):8-14

Effect of fasting, induction, sex and age on clearance of benz(a)anthracene and chrysene by isolated perfused rat liver. Fiume M, et al. Toxicol Lett 1983 Oct-Nov; 19(1-2):73-9

Comparative kinetics of benz(a)anthracene, chrysene and triphenylene in rats after oral administration. I. Study with single compounds. Modica R, et al. Toxicol Lett 1983 Aug; 18(1-2):103-9

In vitro activation of the promutagens 2-acetamidofluorene, cyclophosphamide and 7,12-dimethylbenzanthracene by constitutive ferret and rat hepatic S-9 fractions. Frederick KA, et al. Toxicology 1984 May 1;31(1):73-86

Metabolism and toxic effects of 7,12-dimethyl-benz[a]anthracene in isolated rat adrenal cells. Hallberg E, et al. Toxicology 1983 Dec;29(1-2):49-59

PHARMACODYNAMICS

Glyoxalase I in regenerating mouse liver exposed to carcinogens. Dixit A, et al. Biochem Int 1983 Aug; 7(2):207-13

Aryl hydrocarbon hydroxylase induction by benzo[a]anthracene: regulatory gene localized to the distal portion of mouse chromosome 17. Legraverend C, et al. Genetics 1984 Jul;107(3):447-61

Effect of ascorbic acid & DMBA on lysosomal enzymes' activity in partially hepatectomized mouse liver. Dixit A, et al. Indian J Exp Biol 1983 Jan;21(1):15-7

Proliferation of mast cells in normal and DMBA-treated mouse skin. Farnoush A, et al. J Oral Pathol 1984 Aug; 13(4):359-65

Alterations in the volume of the intercellular space between epithelial cells of the hamster cheek-pouch: quantitative studies of normal and carcinogen-treated tissues. White FH, et al. J Oral Pathol 1984 Jun;13(3):244-54

A qualitative ultrastructural study of the intercellular spaces between epithelial cells treated in vivo with DMBA. White FH, et al. J Oral Pathol 1984 Jun;13(3):231-43

An epidermoid carcinoma cell line derived from hamster 7,12-dimethylbenz[a]anthracene-induced buccal pouch tumors. Odukoya O, et al. JNCI 1983 Dec;71(6):1253-64

Stage-specific induction of sister-chromatid exchanges in utero. Singh NP, et al. Mutat Res 1984 Aug;128(1):17-24

[Structural changes in the myelin sheath membranes detectable by using the nonpolar probe perylene. A fluorescence polarization study] Vorob'ev MV, et al. Tsitologiia 1984 Apr;26(4):424-31 (Eng. Abstr.) (Rus)

TOXICITY

Pineal ablation in varying photoperiods and the incidence of 9,10-dimethyl-1,2-benzanthracene induced mammary cancer in rats. Kothari LS, et al. Cancer Lett 1984 Feb; 22(1):99-102

The effect of steric strain in the bay-region of polycyclic aromatic hydrocarbons: tumorigenicity of alkyl-substituted benz[a]anthracenes. Levin W, et al. Cancer Lett 1983 Sep; 20(2):139-46

Mouse skin tumor-initiating activity of benz[e]aceanthrylene and benz[l]aceanthrylene in SENCAR mice. Nesnow S, et al. Cancer Lett 1984 Apr;22(3):263-8

Benzo(e)pyrene-induced alterations in the metabolic activation of benzo(a)pyrene and 7,12-dimethylbenz(a)anthracene by hamster embryo cells. Baird WM, et al. Cancer Res 1984 Apr;44(4):1445-52

S-phase resistance of rat hematopoietic stem cells to 7,12-dimethylbenz[a]anthracene cytocide and its implications for leukemia development. Fohlmeister I, et al. Cancer Res 1984 Sep;44(9):3661-4

Inactivation of a diol-epoxide and a K-region epoxide with high efficiency by glutathione transferase X. Glatt H, et al. Cancer Res 1983 Dec;43(12 Pt 1):5713-7

High stereoselectivity among the optical isomers of the diastereomeric bay-region diol-epoxides of benz(a)anthracene in the expression of tumorigenic activity in murine tumor models. Levin W, et al. Cancer Res 1984 Mar;44(3):929-33

Anatomical and functional vascular changes in hamster cheek pouch during carcinogenesis induced by 7, 12-dimethylbenz(a)anthracene. Lurie AG, et al. Cancer Res 1983 Dec;43(12 Pt 1):5986-94

Hexose uptake in 7,12-dimethylbenz(a)anthracene-preexposed rat tracheal epithelial cells during the progression of neoplasia. Wasilenko WJ, et al. Cancer Res 1984 Jul;44(7):3081-9

Mutagenicity of the enantiomers of the diastereomeric bay-region benz(a)anthracene 3,4-diol-1,2-epoxides in bacterial and mammalian cells. Wood AW, et al. Cancer Res 1983 Dec;43(12 Pt 1):5821-5

Sites of single-strand breaks in DNA treated with a diol-epoxide of benz[a]anthracene. Cooper CS, et al. Carcinogenesis 1983 Dec;4(12):1645-9

Skin tumor formation in the European hamster (Cricetus cricetus L.) after topical initiation with 7,12-dimethylbenz[a]anthracene (DMBA) and promotion with 12-O-tetradecanoylphorbol-13-acetate (TPA). Goerttler K, et al. Carcinogenesis 1984 Apr;5(4):521-4

Comparison of dietary carbohydrates for promotion of DMBA-induced mammary tumorigenesis in rats. Klurfeld DM, et al. Carcinogenesis 1984 Mar;5(3):423-5

Properties of carcinogen altered mouse epidermal cells resistant to calcium-induced terminal differentiation. Kulesz-Martin M, et al. Carcinogenesis 1983 Nov; 4(11):1367-77

Short-term bioassays of nitro derivatives of benzo[a]pyrene and perylene. Löfroth G, et al. Carcinogenesis 1984 Jul; 5(7):925-30

Selection of carcinogen-altered rat tracheal epithelial cells preexposed to 7,12-dimethylbenz[a]anthracene by their loss of a need for pyruvate to survive in culture. Marchok AC, et al. Carcinogenesis 1984 Jun;5(6):789-96

Effect of hexachlorocyclohexane on diethylnitrosamine-induced hepatocarcinogenesis in rat and its failure to promote skin tumors on dimethylbenz[a]anthracene initiation in mouse. Munir KM, et al. Carcinogenesis 1984 Apr;5(4):479-81

Potent antitumor promoting activity of N-6-aminohexyl)-5-chloro-1-naphthalenesulfonamide, a calmodulin antagonist, in mouse skin tumor formation induced by 7,12-dimethylbenz[a]anthracene plus teleocidin. Nishino H, et al. Carcinogenesis 1984 Feb;5(2):283-5

The influence of 18 environmentally relevant polycyclic aromatic hydrocarbons and Clophen A50, as liver monooxygenase inducers, on the mutagenic activity of benz[a]anthracene in the Ames test. Norpoth K, et al. Carcinogenesis 1984 Jun;5(6):747-52

Dehydroepiandrosterone (DHEA) and 3 beta-methylandrost-5-en-17-one: inhibitors of 7,12-dimethylbenz[a]anthracene (DMBA)-initiated and 12-O-tetradecanoylphorbol-13-acetate (TPA)-promoted skin papilloma formation in mice. Pashko LL, et al. Carcinogenesis 1984 Apr;5(4):463-6

Inhibition of 7,12-dimethylbenzanthracene-induced rat mammary tumorigenesis by 2,5-di-O-acetyl-D-glucaro-1,4:6,3-dilactone, an in vivo beta-glucuronidase inhibitor. Walaszek Z, et al. Carcinogenesis 1984 Jun;5(6):767-72

Mammary tumor induction in analbuminemic rats by 7,12-dimethylbenz(a)anthracene. Nagase S, et al. Eur J Cancer Clin Oncol 1984 Feb;20(2):283-6

Perylene. IARC Monogr Eval Carcinog Risk Chem Hum 1983 Dec;32:411-8

Dibenz[a,h]anthracene. IARC Monogr Eval Carcinog Risk Chem Hum 1983 Dec; 32:299-308

Dibenz[a,j]anthracene. IARC Monogr Eval Carcinog Risk Chem Hum 1983 Dec; 32:309-13

Dibenz[a,c]anthracene. IARC Monogr Eval Carcinog Risk Chem Hum 1983 Dec; 32:289-97

Benz[a]anthracene. IARC Monogr Eval Carcinog Risk Chem Hum 1983 Dec; 32:135-45

Benzo[ghi]perylene. IARC Monogr Eval Carcinog Risk Chem Hum 1983 Dec; 32:195-204

Dual effects of exogenous insulin on DMBA-induced mammary tumorigenesis in rats. Rao AR, et al. Indian J Exp Biol 1983 Jun;21(6):324-9

Caffeine (1,3,7-trimethylxanthine), a temperature promoter of DMBA-induced rat mammary gland carcinogenesis. Welsch CW, et al. Int J Cancer 1983 Oct 15;32(4):479-84

Induction of hepatic glutathione transferase and suppression of 7,12-dimethylbenz[a]anthracene-induced chromosome aberrations in rat bone marrow cells by Sudan III and related azo dyes. Ito Y, et al. JNCI 1984 Jul;73(1):177-83

Chromosome aberrations induced by 7,12-dimethylbenz[a]-anthracene in bone marrow cells of spontaneously hypertensive rats (SHR) and control Wistar Kyoto (WKY) rats: time course and site specificity. Ueda N, et al. JNCI 1984 Aug;73(2):525-30

Corn oil and its minor constituents as inhibitors of DMBA-induced chromosomal breaks in vivo. Raj AS, et al. Mutat Res 1984 Jun;136(3):247-53

Caffeic acid as an inhibitor of DMBA-induced chromosomal breakage in mice assessed by bone-marrow micronucleus test. Raj AS, et al. Mutat Res 1983 Dec;124(3-4):247-53

Mutagenicity of 7,12-dimethylbenz[a]anthracene and some other aromatic mutagens in Drosophila melanogaster. Zijlstra JA, et al. **Mutat Res** 1984 Feb;125(2):243-61

Dose response effect of retinyl acetate on DMBA induced carcinogenesis in the hamster cheek pouch. Kandarkar SV, et al. **Neoplasma** 1984;31(4):415-21

Carcinogen-induced granulosa cell tumours in NZC/Bl mice. Geary CP. **Pathology** 1984 Apr;16(2):131-5

Repair of DNA adducts in asynchronous CHO cells and the role of repair in cell killing and mutation induction in synchronous cells treated with 7-bromomethylbenz[a]anthracene. Thompson LH, et al. **Somatic Cell Mol Genet** 1984 Mar;10(2):183-94

Increase during passage in culture in susceptibility of Syrian hamster embryonic cells to induction of chromosome aberrations by 7,12-dimethylbenz(a)-anthracene. Nishi Y, et al. **Toxicol Lett** 1983 Jul;17(3-4):335-42

BENZATHINE PENICILLIN see **PENICILLIN G, BENZATHINE**

BENZAZEPINES

Drugs recently released in Belgium. Harvengt C. **Acta Clin Belg** 1983;38(5):344-5

Calcium channel blockers in emergency medicine. Young GP. **Ann Emerg Med** 1984 Sep;13(9 Pt 1):712-22 (133 ref.)

Cold blood potassium diltiazem cardioplegia. Standeven JW, et al. **J Thorac Cardiovasc Surg** 1984 Feb;87(2):201-12

ADMINISTRATION & DOSAGE

Long-term study of high-dose diltiazem in chronic stable exertional angina. Hossack KF, et al. **Am Heart J** 1984 Jun;107(6):1215-20

Improved efficacy of high-dose versus medium- and low-dose diltiazem therapy for chronic stable angina pectoris. Go M Jr, et al. **Am J Cardiol** 1984 Mar 1; 53(6):669-73

Comparison of diltiazem at two dose levels with propranolol for treatment of stable angina pectoris. O'Hara MJ, et al. **Am J Cardiol** 1984 Sep 1;54(6):477-81

Hemodynamic effects of nitroglycerin combined with diltiazem in patients with coronary artery disease. Pepine CJ, et al. **Am J Med** 1984 Jun 22;76(6A):47-51

Diltiazem, nifedipine combination in coronary artery spasm (letter). Carver JR, et al. **Chest** 1984 Feb;85(2):296

The effect of two different diltiazem treatments on infarct size in ischemic, reperfused porcine hearts. Klein HH, et al. **Circulation** 1984 May;69(5):1000-5

Comparative effects of nifedipine and diltiazem on vascular responses to norepinephrine and angiotensin II. Jover B, et al. **Eur Heart J** 1983 Nov;4 Suppl G:21-5

Efficacy and safety of incremental doses of diltiazem for the treatment of stable angina pectoris. Lindenberg BS, et al. **J Am Coll Cardiol** 1983 Dec;2(6):1129-33

Beneficial hemodynamic effects of intravenous and oral diltiazem in severe congestive heart failure. Walsh RW, et al. **J Am Coll Cardiol** 1984 Apr;3(4):1044-50

[Diltiazem in coronary artery surgery] Horio S, et al. **Kyobu Geka** 1984 Jan;37(1):47-51 (Eng. Abstr.) **(Jpn)**

[Diltiazem and drug interactions (2). Effect of co-administered diltiazem on bioavailability of propranolol] Etoh A, et al. **Yakugaku Zasshi** 1983 Apr; 103(4):434-41 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Diltiazem and hyperactivity [letter] Brink DD. **Ann Intern Med** 1984 Mar;100(3):459-60

Diltiazem and akathisia. Jacobs MB. **Ann Intern Med** 1983 Dec;99(6):794-5

Atrioventricular dissociation and sinus arrest induced by oral diltiazem [letter] Ishikawa T, et al. **N Engl J Med** 1983 Nov 3;309(18):1124-5

[Adverse effects of a diltiazem-beta-blocker combination (letter)] Reboud JP, et al. **Presse Med** 1984 May 26; 13(22):1396 **(Fre)**

[Median- and long-term tolerability of diltiazem] Poulain D, et al. **Therapie** 1984 Mar-Apr;39(2):177-84 (Eng. Abstr.) **(Fre)**

BLOOD

Improved gas chromatographic determination of diltiazem and deacetyldiltiazem in human plasma. Clozel JP, et al. **J Pharm Sci** 1984 Feb;73(2):207-9

Quantitation of diltiazem and desacetyldiltiazem in dog plasma by high-performance liquid chromatography. Wiens RE, et al. **J Pharm Sci** 1984 May;73(5):688-9

CHEMICAL SYNTHESIS

Development of an affinity ligand for purification of alpha 2-adrenoceptors from human platelet membranes. DeMarinis RM, et al. **J Med Chem** 1984 Jul;27(7):918-21

2-benzazepines. 6. Synthesis and pharmacological properties of the metabolites of 9-chloro-7-(2-chlorophenyl)-5H-pyrimido[5,4-d] [2]benzazepine. Trybulski EJ, et al. **J Med Chem** 1983 Nov; 26(11):1596-601

2-benzazepines. 5. Synthesis of pyrimido[5,4-d][2]benzazepines and their evaluation as anxiolytic agents. Trybulski EJ, et al. **J Med Chem** 1983 Nov;26(11):1589-96

Bicyclic lactam inhibitors of angiotensin converting enzyme. Watthey JW, et al. **J Med Chem** 1984 Jun;27(6):816-8

[Chemistry and biological activity of 1,3,4-benzotriazepines] Richter P, et al. **Pharmazie** 1984 May;39(5):301-14 **(Ger)**

ISOLATION & PURIFICATION

Determination of a pyrimido-benzazepine anxiolytic agent and its 5-hydroxy metabolite in whole blood, plasma and urine by gas—liquid chromatography with electron-capture detection and by high-performance liquid chromatography. Puglisi CV, et al. **J Chromatogr** 1983 Jul 8;275(2):319-33

METABOLISM

Pharmacokinetic model of diltiazem. Kölle EU, et al. **Arzneimittelforsch** 1983;33(7):972-7

Selective and stereospecific interactions of R-SK & F 38393 with [3H]piflutixol but not [3H]spiperone binding to striatal D1 and D2 dopamine receptors: comparisons with SCH 23390. O'Boyle KM, et al. **Eur J Pharmacol** 1984 Mar 2; 98(3-4):433-6

Studies on the metabolism of diltiazem in man. Sugihara J, et al. **J Pharmacobiodyn** 1984 Jan;7(1):24-32

Pharmacokinetics and absolute bioavailability of diltiazem in humans. Ochs HR, et al. **Klin Wochenschr** 1984 Apr 2;62(7):303-6

[Diltiazem and drug interactions (1). Effects of co-administered drugs and methods of administration on the bioavailability of diltiazem] Etoh A, et al. **Yakugaku Zasshi** 1983 Apr;103(4):426-33 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Effects of calcium channel blockers on isolated carotid baroreceptors and baroreflex. Heesch CM, et al. **Am J Physiol** 1983 Oct;245(4):H653-61

Amiloride and diltiazem inhibition of microsomal and mitochondrial Na+ and Ca2+ transport. Sordahl LA, et al. **Am J Physiol** 1984 Jan;246(1 Pt 1):C172-6

Calcium channels resistant to organic calcium entry blockers in a rabbit vein. Winquist RJ, et al. **Am J Physiol** 1983 Dec;245(6):H1024-30

Comparative cardiovascular effects of verapamil, nifedipine, and diltiazem during halothane anesthesia in swine. Kates RA, et al. **Anesthesiology** 1984 Jul;61(1):10-8

A comparison of some renal and cardiovascular effects of a prostaglandin analog, SKF 82526 and ibopamine in anesthetized dogs. Seymour AA, et al. **Arch Int Pharmacodyn Ther** 1984 Jun;269(2):304-15

Antagonistic activity of verapamil and diltiazem against different intestinal smooth muscle stimuli. Samueli F, et al. **Arzneimittelforsch** 1984;34(2):181-4

Solubilization and affinity labeling of a dihydropyridine binding site from skeletal muscle: effects of temperature and diltiazem on [3H]dihydropyridine binding to transverse tubules. Kirley TL, et al. **Biochem Biophys Res Commun** 1984 Aug 30;123(1):41-9

Diltiazem-like effect of thioridazine on the dihydropyridine binding site of the calcium channel of rat myocardial membranes. Thorgeirsson G, et al. **Biochem Biophys Res Commun** 1984 Jun 15;121(2):657-63

Diltiazem potentiates mechanical activity in mammalian skeletal muscle. Walsh KB, et al. **Biochem Biophys Res Commun** 1984 Aug 16;122(3):1091-6

Extracellular Ca2+ dependence and diltiazem inhibition of contraction in rabbit conduit arteries and mesenteric resistance vessels. Cauvin C, et al. **Blood Vessels** 1984; 21(1):23-31

Beneficial effects of diltiazem in coronary artery disease. Kenny J, et al. **Br Heart J** 1984 Jul;52(1):53-6

Effects of nifedipine and diltiazem on coronary reactive hyperaemia. Dymek DJ, et al. **Cardiovasc Res** 1984 Apr; 18(4):249-56

Effects of diltiazem on triggered activity in canine 1 day old infarction. Gough WB, et al. **Cardiovasc Res** 1984 Jun; 18(6):339-43

Comparative effects of verapamil, diltiazem, and nifedipine on hemodynamics and left ventricular function during acute myocardial ischemia in dogs. Urquhart J, et al. **Circulation** 1984 Feb;69(2):382-90

The diltiazem-digoxin interaction. Rameis H, et al. **Clin Pharmacol Ther** 1984 Aug;36(2):183-9

Effects of diltiazem on plasma level and urinary excretion of digoxin in healthy subjects. Yoshida A, et al. **Clin Pharmacol Ther** 1984 May;35(5):681-5

The ocular hypotensive action of SK&F 86466 in the conscious rabbit. Matthews WD, et al. **Curr Eye Res** 1984 May;3(5):737-42

Effects of oral calcium blocker, diltiazem, on esophageal contractions. Studies in volunteers and patients with nutcracker esophagus. Richter JE, et al. **Dig Dis Sci** 1984 Jul;29(7):649-56

Diltiazem and nitrendipine suppress hypoxic contracture in quiescent ventricular myocardium. Henry PD, et al. **Eur Heart J** 1983 Nov;4(11):819-22

Haemodynamic effects of intravenous diltiazem at rest and exercise in patients with coronary artery disease. Legrand V, et al. **Eur Heart J** 1984 Jun;5(6):456-63

Diltiazem and verapamil: functional antagonism of exogenous noradrenaline and angiotensin II in man. Magometschnigg D, et al. **Eur J Clin Pharmacol** 1984;26(3):303-7

Effect of diltiazem on plasma glucose, insulin and glucagon during an oral glucose tolerance test in healthy volunteers. Segrestaa JM, et al. **Eur J Clin Pharmacol** 1984;26(4):481-3

Effects of diltiazem and other Ca2+ antagonists on guinea-pig tracheal muscle. Cerrina J, et al. **Eur J Pharmacol** 1983 Oct 28;94(3-4):241-9

SCH 23390 is a very potent and selective antagonist at vascular dopamine receptors. Hilditch A, et al. **Eur J Pharmacol** 1984 Jan 27;97(3-4):333-4

SCH 23390 - the first selective dopamine D-1 antagonist. Hyttel J. **Eur J Pharmacol** 1983 Jul 15;91(1):153-4

The chemical basis for the blockade of the D-1 dopamine receptor by SCH 23390. Itoh Y, et al. **Eur J Pharmacol** 1984 Apr 13;100(1):119-22

SCH-23390: a selective D1 dopamine antagonist with potent D2 behavioral actions. Mailman RB, et al. **Eur J Pharmacol** 1984 May 18;101(1-2):159-60

Effects of a new antianginal agent, nicorandil, on normoxic and anoxic contractions in isolated miniature pig coronary arteries exposed to 5-hydroxytryptamine and norepinephrine: comparison with nitroglycerin and diltiazem. Nabata H, et al. **Eur J Pharmacol** 1983 Dec 9; 96(1-2):37-44

Selective blockade of dopamine D-1 receptors by SCH 23390 discloses striatal dopamine D-2 receptors mediating the inhibition of adenylate cyclase in rats. Onali P, et al. **Eur J Pharmacol** 1984 Mar 16;99(1):127-8

The effects of diltiazem on Periplaneta americana. Jennings KR, et al. **Experientia** 1984 May 15;40(5):456-8

Separation of peripheral dopamine receptors by a selective DA1 antagonist, SCH 23390. Goldberg LI, et al. **Hypertension** 1984 Mar-Apr;6(2 Pt 2):I25-30

Effects of diltiazem, a calcium channel inhibitor, in retarding cellular damage produced during early myocardial ischemia in pigs: a morphometric and ultrastructural analysis. Fujiwara H, et al. **J Am Coll Cardiol** 1984 Jun; 3(6):1427-37

Effects of diltiazem on phasic and tonic activity in rat portal vein. Hicks PE. **J Auton Pharmacol** 1983 Sep;3(3):167-75

Effects of diltiazem and propranolol on irreversibility of ischemic cardiac function and metabolism in the isolated perfused rat heart. Ichihara K, et al. **J Cardiovasc Pharmacol** 1983 Sep-Oct;5(5):745-51

Effect of diltiazem on warfarin plasma protein binding. Mungall DR, et al. **J Clin Pharmacol** 1984 May-Jun; 24(5-6):264-6

Diltiazem administered before or during myocardial ischemia decreases adenine nucleotide catabolism. De Jong JW, et al. **J Mol Cell Cardiol** 1984 Apr;16(4):363-70

Effects of the calcium antagonist diltiazem on action potentials, slow response and force of contraction in different cardiac tissues. Hirth C, et al. **J Mol Cell Cardiol** 1983 Dec;15(12):799-809

Effects of manganese ions and diltiazem on the spontaneous action potential of the canine atrio-ventricular node cell. Iijima T, et al. **J Mol Cell Cardiol** 1983 Dec;15(12):863-6

An inhibitory effect of verapamil and diltiazem on the release of noradrenaline from ischaemic and reperfused hearts. Nayler WG, et al. **J Mol Cell Cardiol** 1984 Apr; 16(4):331-43

SCH 23390 can enhance field stimulation-induced contractions of longitudinal smooth muscle from guinea-pig stomach. Costall B, et al. **J Pharm Pharmacol** 1984 May;36(5):356

The actions of sodium nitroprusside and diltiazem on calcium-, potassium- and histamine-induced contractile responses in isolated rabbit basilar artery, aorta, taenia coli and tracheal smooth muscle. Ohashi M, et al. **J Pharmacobiodyn** 1983 Jul;6(7):487-95

Temperature-dependent modulation of [3H]nitrendipine binding by the calcium channel antagonists verapamil and diltiazem in rat brain synaptosomes. Boles RG, et al. **J Pharmacol Exp Ther** 1984 May;229(2):333-9

Effects of dopamine (DA) and SKF 82526, a selective DA1-receptor agonist, on vascular resistances in the canine forelimb. Grega GJ, et al. **J Pharmacol Exp Ther** 1984 Jun; 229(3):756-62

Selective improvement in subendocardial perfusion distal to a flow-limiting coronary artery stenosis: effects of the new calcium channel blocking agent, FR 34235, nifedipine and diltiazem. Gross GJ, et al. **J Pharmacol Exp Ther** 1984 Mar;228(3):531-6

Effects of diltiazem on transmembrane potential and current of right ventricular papillary muscle of ferrets. Kanaya S, et al. **J Pharmacol Exp Ther** 1984 Jan;228(1):245-51

Effects of diltiazem on the calcium paradox in isolated rat hearts. Meno H, et al. **J Pharmacol Exp Ther** 1984 Jan; 228(1):220-4

Hypotensive and diuretic actions of diltiazem in spontaneously hypertensive and Wistar Kyoto rats. Narita H, et al. **J Pharmacol Exp Ther** 1983 Nov;227(2):472-7

Studies on vascular dopamine receptors with the dopamine receptor agonist: SK&F 82526. Ohlstein EH, et al. **J Pharmacol Exp Ther** 1984 May;229(2):433-9

Effect of diltiazem on the release of calcium from the canine fragmented cardiac sarcoplasmic reticulum. Hirata M, et al. **Jpn J Pharmacol** 1983 Oct;33(5):991-7

A comparison of the effects of diltiazem and nitroglycerin on the norepinephrine-induced contractions in the isolated femoral artery and vein. Nakajima H, et al. **Jpn J Pharmacol** 1983 Dec;33(6):1282-5

Effects of diltiazem on the physicochemical properties of rat erythrocyte and liposome membrane: comparison with pentoxifylline and propranolol. Sasaki Y, et al. **Jpn J Pharmacol** 1984 Apr;34(4):417–27

Effect of diltiazem on functional recovery and myocardial metabolism during hypothermic global ischemia and normothermic reperfusion. Kohda Y, et al. **Jpn J Surg** 1983 May;13(3):246–53

Differential effects of SKF 38393 and LY 141865 on nociception and morphine analgesia. Ben–Sreti MM, et al. **Life Sci** 1983;33 Suppl 1:665–8

Pharmacological effects of a specific dopamine D–1 antagonist SCH 23390 in comparison with neuroleptics. Christensen AV, et al. **Life Sci** 1984 Apr 16;34(16):1529–40

Increase of corticotropin–releasing factor staining in rat paraventricular nucleus neurones by depletion of hypothalamic adrenaline. Mezey E, et al. **Nature** 1984 Jul 12–18;310(5973):140–1

Electrophysiological effects of diltiazem, nifedipine and Ni2+ on the subepicardial muscle cells of canine heart under the condition of combined hypoxia, hyperkalemia and acidosis. Kimura S, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1983 Nov; 324(3):228–32

Preferential inhibition of ligand binding to calf striatal dopamine D1 receptors by SCH 23390. Cross AJ, et al. **Neuropharmacology** 1983 Nov;22(11):1327–9

Voltage– and frequency–dependent block of diltiazem on the slow inward current and generation of tension in frog ventricular muscle. Tung L, et al. **Pflugers Arch** 1983 Aug; 398(3):189–98

Dopaminergic behaviour stereospecific promoted by the D1 agonist R–SK & F 38393 and selectively blocked by the D1 antagonist SCH 23390. Molloy AG, et al. **Psychopharmacology (Berlin)** 1984;82(4):409–10

[Hemodynamic interferences between diltiazem and thiopental—experimental study in the pig] Pierrot M, et al. **Can Anesth Soc J** 1984 Mar;31(2):166–72 (Eng. Abstr.) **(Fre)**

[Favorable response of pulmonary hypertension in patients with chronic obstructive airway disease treated with diltiazem] Gassner A. **Schweiz Med Wochenschr** 1984 Mar 10;114(10):332–7 (Eng. Abstr.) **(Ger)**

[Effect of diltiazem on diastolic performance of the hypertrophied left ventricle in patients with systemic hypertension and hypertrophic cardiomyopathy] Matsumoto M, et al. **J Cardiogr** 1983 Dec;13(4):905–11 (Eng. Abstr.) **(Jpn)**

[Interactions by diltiazem (3). Mechanism of enhancement of propranolol absorption by diltiazem] Etoh A, et al. **Yakugaku Zasshi** 1983 May;103(5):573–80 (Eng. Abstr.) **(Jpn)**

[Interactions by diltiazem (4). Relationship between first pass metabolism of various drugs and absorption enhancement by diltiazem] Etoh A, et al. **Yakugaku Zasshi** 1983 May; 103(5):581–8 (Eng. Abstr.) **(Jpn)**

POISONING

[Kinetics of diltiazem in voluntary overdosage (letter)] Buffet M, et al. **Presse Med** 1984 May 19;13(21):1338 **(Fre)**

[Voluntary diltiazem poisoning (letter)] Gibelin P, et al. **Presse Med** 1984 Mar 24;13(12):745 **(Fre)**

THERAPEUTIC USE

Comparative effects of diltiazem, propranolol, and placebo on exercise performance using radionuclide ventriculography in patients with symptomatic coronary artery disease: results of a double–blind, randomized, crossover study. Anderson JL, et al. **Am Heart J** 1984 Apr; 107(4):698–706

Improved exercise tolerance after propranolol, diltiazem or nifedipine in angina pectoris: comparison at 1, 3 and 8 hours and correlation with plasma drug concentration. Chaitman BR, et al. **Am J Cardiol** 1984 Jan 1;53(1):1–9

Failure of antihypertensive therapy with diuretic, beta–blocking and calcium channel–blocking drugs to consistently reverse left ventricular diastolic filling abnormalities. Inouye IK, et al. **Am J Cardiol** 1984 Jun 1;53(11):1583–7

Antihypertensive therapy with diltiazem and comparison with hydrochlorothiazide. Inouye IK, et al. **Am J Cardiol** 1984 Jun 1;53(11):1588–92

Digoxin–diltiazem interaction. Oyama Y, et al. **Am J Cardiol** 1984 May 15;53(10):1480–1

Effects of diltiazem on cardiovascular responses during exercise in systemic hypertension and comparison with propranolol. Yamakado T, et al. **Am J Cardiol** 1983 Nov 1;52(8):1023–7

Effects of diltiazem on vulnerability to atrial and ventricular reentrant arrhythmias in the normal and ischemic heart. Heuer H, et al. **Arzneimittelforsch** 1983;33(8):1113–6

Ineffectiveness of Ca2+–antagonists nicardipine and diltiazem on experimental atherosclerosis in cholesterol–fed rabbits [letter] Naito M, et al. **Atherosclerosis** 1984 May–Jun;51(2–3):343–4

Reduction of ischemic depolarization by the calcium channel blocker diltiazem. Correlation with improvement of ventricular conduction and early arrhythmias in the dog. Clusin WT, et al. **Circ Res** 1984 Jan;54(1):10–20

Diltiazem–induced blockade of sympathetically mediated constriction of normal and diseased coronary arteries: lack of epicardial coronary dilatory effect in humans. Hossack KF, et al. **Circulation** 1984 Sep;70(3):465–71

Effects of a calcium–entry blocker (diltiazem) on regional myocardial flow and function during exercise in conscious dogs. Matsuzaki M, et al. **Circulation** 1984 Apr;69(4):801–14

Immediate hemodynamic effects of a dopamine–receptor agonist (fenoldopam) in patients with essential hypertension. Ventura HO, et al. **Circulation** 1984 Jun; 69(6):1142–5

One for the gripper? [editorial] Pope CE 2d. **Dig Dis Sci** 1984 Jul;29(7):657–8

Comparison of short–term efficacy of diltiazem and propranolol in unstable angina at rest—a randomized trial in 70 patients. Andre–Fouet X, et al. **Eur Heart J** 1983 Oct;4(10):691–8

Hypotensive effects of diltiazem to normals and essential hypertensives. Aoki K, et al. **Eur J Clin Pharmacol** 1983; 25(4):475–80

In vivo effects of three calcium blockers on chickens with inherited muscular dystrophy. Hudecki MS, et al. **Exp Neurol** 1984 Jun;84(3):512–23

Cardiac injury in short duration anoxia and modification by diltiazem, a calcium channel blocking agent. Ashraf M, et al. **J Am Coll Cardiol** 1984 May;3(5):1237–44

Diltiazem in the treatment of mild or moderate essential hypertension. Comparison with metoprolol in a crossover double–blind trial. Trimarco B, et al. **J Clin Pharmacol** 1984 May–Jun;24(5–6):218–27

Diltiazem prophylaxis in refractory migraine [letter] Smith R, et al. **N Engl J Med** 1984 May 17;310(20):1327–8

Behavioral correlations of dopamine receptor activation. Gershanik O, et al. **Neurology (NY)** 1983 Nov; 33(11):1489–92

Diltiazem—a new calcium antagonist. Folb PI. **S Afr Med J** 1984 Jul 21;66(3):83–4

Calcium antagonists and myocardial protection: diltiazem during cardioplegic arrest. Yamamoto F, et al. **Thorac Cardiovasc Surg** 1983 Dec;31(6):369–73

Influence of diltiazem on bronchoconstriction induced by cold air breathing during exercise. Magnussen H, et al. **Thorax** 1984 Aug;39(8):579–82

[Value of calcium inhibitors in stable effort angina. Diltiazem versus nifedipine] Schurtz C, et al. **Ann Cardiol Angeiol (Paris)** 1983 Jul–Sep;32(5):337–41 (Eng. Abstr.) **(Fre)**

[Median– and long–term tolerability of diltiazem] Poulain D, et al. **Therapie** 1984 Mar–Apr;39(2):177–84 (Eng. Abstr.) **(Fre)**

[Essential hypertension and calcium antagonists] **Fortschr Med** 1983 Aug 11;101(30):1390 **(Ger)**

[Adenosine and diltiazem: new therapeutic aspects in the treatment of mesenteric insufficiency] Seemann WR, et al. **Vasa** 1984;13(1):65–71 (Eng. Abstr.) **(Ger)**

[Evaluation of the effects of a new calcium antagonist, diltiazem, in patients with stable effort angina and a therapeutic comparison with nifedipine] Di Pasquale G, et al. **G Ital Cardiol** 1983;14(1):32–9 (Eng. Abstr.) **(Ita)**

[Effect of calcium antagonist on reactive hypoglycemia] Sanke T. **Nippon Shokakibyo Gakkai Zasshi** 1984 Jan; 81(1):121 **(Jpn)**

[Effect of diltiazem on experimental cerebral vasospasm incomparison with effects of cinnarizine, verapamil and nifedipine] Takagi T, et al. **No Shinkei Geka** 1983 Jun; 11(6):605–11 (Eng. Abstr.) **(Jpn)**

[Intravenous diltiazem in the treatment of supraventricular tachyarrhythmias] Almazán Ceballos A, et al. **Rev Esp Cardiol** 1983;36(3):229–32 (Eng. Abstr.) **(Spa)**

URINE

High–performance liquid chromatographic determination of diltiazem and six of its metabolites in human urine. Clozel JP, et al. **J Pharm Sci** 1984 Jun;73(6):771–3

BENZBROMARONE see under **BENZOFURANS**

BENZENE

A chemical modification to make horseradish peroxidase soluble and active in benzene. Takahashi K, et al. **Biochem Biophys Res Commun** 1984 May 31;121(1):261–5

ADMINISTRATION & DOSAGE

[Relation of the frequency of chromosome aberrations in mouse bone marrow cells to the concentration (dose) of benzene administered by various routes] Zhurkov VS, et al. **Biull Eksp Biol Med** 1983 Dec;96(12):72–3 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Benzene is still with us [editorial] Goldstein BD. **Am J Ind Med** 1983;4(5):585–7

Leukemia and benzene [letter] von Raalte HG, et al. **Ann Intern Med** 1983 Dec;99(6):885–6

An hypothesis for the induction of leukemia by benzene. Braier L. **Arch Toxicol [Suppl]** 1983;6:42–6

Benzene: epidemiologic observations of leukemia by cell type and adverse health effects associated with low–level exposure. Infante PF, et al. **Environ Health Perspect** 1983 Oct;52:75–82

Retrospective mortality and medical surveillance studies of workers in benzene areas of refineries. Tsai SP, et al. **J Occup Med** 1983 Sep;25(9):685–92

Effect of environmental contamination of the work place with benzene, toluene and xylene on human lymphocyte–associated immunity. Moszczynski P, et al. **Med Lav** 1983 Nov–Dec;74(6):492–8

Learning impairments following postnatal exposure to benzene. Geist CR, et al. **Percept Mot Skills** 1983 Dec;57(3 Pt 2):1083–6

T and B cells and occupational exposure to benzene and its homologues (with regard to other blood cells). Moszczynski P, et al. **Rev Esp Oncol** 1982;29(1):49–55

[Problems in the biological monitoring of benzene exposure] Bauer D. **Soz Praventivmed** 1984;29(1):44–5 (Eng. Abstr.) **(Ger)**

[Use of the nitroblue tetrazolium test for detection of the effects of organic solvents containing benzol, toluol and xylol] Moshchin'ski P, et al. **Gig Tr Prof Zabol** 1983 Sep; (9):31–4 (Eng. Abstr.) **(Rus)**

ANALYSIS

[Emission of polycyclic aromatic hydrocarbons, benzene and other pollutants during the burning of anthracite nut and brown coal briquettes in a room heater] Herlan A, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Jun; 177(5):365–74 (Eng. Abstr.) **(Ger)**

METABOLISM

Detection and identification of sulfhydryl conjugates of rho–benzoquinone in microsomal incubations of benzene and phenol. Lunte SM, et al. **Chem Biol Interact** 1983 Nov; 47(2):195–212

Covalent binding of benzene and its metabolites to DNA in rabbit bone marrow mitochondria in vitro. Rushmore T, et al. **Chem Biol Interact** 1984 Apr;49(1–2):133–54

Fluoride stimulation of microsomal benzene metabolism. Post GB, et al. **J Toxicol Environ Health** 1983 Apr–Jun; 11(4–6):799–810

Effects of enzyme induction on microsomal benzene metabolism. Post GB, et al. **J Toxicol Environ Health** 1983 Apr–Jun;11(4–6):811–25

DT–diaphorase and peroxidase influence the covalent binding of the metabolites of phenol, the major metabolite of benzene. Smart RC, et al. **Mol Pharmacol** 1984 Jul; 26(1):105–11

The effects of ethanol ingestion and repeated benzene exposures on benzene pharmacokinetics. Driscoll KE, et al. **Toxicol Appl Pharmacol** 1984 May;73(3):525–32

[Toxicokinetics of benzene in humans. Excretion of phenol with urine and benzene with expired air after single and 4–day inhalation exposure] Paradowski M, et al. **Med Pr** 1984;35(2):85–96 (Eng. Abstr.) **(Pol)**

PHARMACODYNAMICS

Ester synthesis catalyzed by polyethylene glycol–modified lipase in benzene. Inada Y, et al. **Biochem Biophys Res Commun** 1984 Jul 31;122(2):845–50

Influence of ethanol and benzene on cytochrome P–450 fractions in rat liver microsomes. Beaune P, et al. **Drug Metab Dispos** 1983 Sep–Oct;11(5):499–506

The effects of benzene inhalation on murine hematopoietic precursor cells (CFU–e, BFU–e and CFU–gm). Hilderbrand RL, et al. **Int J Cell Cloning** 1983 Sep; 1(4):240–53

Hematological indices of peripheral blood in workers occupationally exposed to benzene, toluene and xylene. Moszczyński P, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Dec; 178(4):329–39

POISONING

Chromosome analysis from peripheral blood lymphocytes of workers after an acute exposure to benzene. Clare MG, et al. **Br J Ind Med** 1984 May;41(2):249–53

Chromosome changes in patients with chronic benzene poisoning. Ding XJ, et al. **Chin Med J [Engl]** 1983 Sep; 96(9):681–5

Nitrotetrazolium blue (NBT) reduction and the time of occupational exposure to benzene and its homologues. Moszczynski P, et al. **Haematologica (Pavia)** 1983 Sep–Oct; 68(5):689–93

The nitroblue tetrazolium reduction test in workers exposed to benzene and its homologues. Moszczyński P, et al. **Med Interne** 1983 Jul–Sep;21(3):217–23

[Changes in nucleic acid and cyclonucleotide contents in benzene poisoning] Li GL, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1983 Oct; 5(5):325–7 (Eng. Abstr.) **(Chi)**

TOXICITY

An evaluation of the associations of leukemia and rubber industry solvent exposures. Checkoway H, et al. **Am J Ind Med** 1984;5(3):239–49

Benzene: a multipotential carcinogen. Results of long–term bioassays performed at the Bologna Institute of Oncology. Maltoni C, et al. **Am J Ind Med** 1983;4(5):589–630

Evidence for hematotoxicity and tumorigenesis in rats exposed to 100 ppm benzene. Snyder CA, et al. **Am J Ind Med** 1984;5(6):429–34

Involvement of iron and free radicals in benzene toxicity. Khan WA, et al. **Biochem Pharmacol** 1984 Jul 1;

33(13):2009–12

Changes in bluegill activity as a monitor of acute benzene exposure. Fisher JW, et al.
Bull Environ Contam Toxicol 1984 Jul;33(1):26–32

A cytogenetic study on workers exposed to low concentrations of benzene. Sarto F, et al. **Carcinogenesis** 1984 Jun;5(6):827–32

Effects of work environment contaminated with benzene, toluene and xylene on acid phosphatase activity in lymphocytes. Moszczyński P, et al.
Folia Haematol (Leipz) 1983;110(6):948–54

N-acetyl-beta-D-glucosaminidase in lymphocytes of workers exposed to benzene and its homologues. Moszczyński P, et al.
J Hyg Epidemiol Microbiol Immunol 1984;28(1):11–6

Effect of in vivo exposure to benzene on the characteristics of bone marrow adherent cells. Garnett HM, et al.
Leuk Res 1983;7(6):803–10

Modifications in the myeloclastogenic effect of benzene in mice with toluene, phenobarbital, 3-methylcholanthrene, Aroclor 1254 and SKF-525A. Gad-El-Karim MM, et al. **Mutat Res** 1984 Mar;135(3):225–43

The influence of simple aromatics on benzene clastogenicity. Harper BL, et al. **Mutat Res** 1984 Sep;128(2):105–14

Cytogenetic effects of benzene: dosimetric studies on rats exposed to benzene vapour. Styles JA, et al. **Mutat Res** 1984 Mar;135(3):203–9

Benzene inhalation produces leukemia in mice. Cronkite EP, et al. **Toxicol Appl Pharmacol** 1984 Sep 15;75(2):358–61

Repeated exposure of C57Bl mice to inhaled benzene at 10 ppm markedly depressed erythropoietic colony formation. Baarson KA, et al. **Toxicol Lett** 1984 Mar;20(3):337–42

Depressions in B- and T-lymphocyte mitogen-induced blastogenesis in mice exposed to low concentrations of benzene. Rozen MG, et al. **Toxicol Lett** 1984 Mar; 20(3):343–9

The effects of ethanol and the role of the spleen during benzene-induced hematotoxicity. Rosenthal GJ, et al.
Toxicology 1984 Apr 16;30(4):283–95

[Investigation on the urinary catecholamine of workers in benzene, toluene and xylene plants] Gao GZ.
Chung Hua Yu Fang I Hsueh Tsa Chih 1983 Nov; 17(6):342–4 (Eng. Abstr.) **(Chi)**

[Effect of benzene on the growth and reactivity of human lymphocytes] Wohlrab W, et al. **Dermatol Monatsschr** 1983; 169(11):715–8 (Eng. Abstr.) **(Ger)**

[N-acetyl-beta-D-glucosaminidase in the lymphocytes of workers exposed to benzene and its homologs] Moszczyński P, et al. **Przegl Lek** 1984;41(3):273–6 (Eng. Abstr.) **(Pol)**

[Effect of contamination of the working environment with organic solvents containing benzene and its homologs in the leukocyte system and blood platelets] Moszczyński P. **Wiad Lek** 1983 May 15;36(10):837–42 (Eng. Abstr.) **(Pol)**

[Morphofunctional status of the formed elements of the blood in rats subjected to different variants of combined and isolated exposure to BR-1 benzene] Maksimov GG, et al. **Gig Tr Prof Zabol** 1983 Dec;(12):37–40 (Eng. Abstr.) **(Rus)**

BENZENE DERIVATIVES

The effect of square wave exposure profiles upon the performance of passive organic vapor monitoring badges. Compton JR, et al. **Am Ind Hyg Assoc J** 1984 Jul; 45(7):446–50

ADVERSE EFFECTS

T and B cells and occupational exposure to benzene and its homologues (with regard to other blood cells). Moszczynski P, et al. **Rev Esp Oncol** 1982;29(1):49–55

ANALYSIS

Assay of benzenoid drugs in tablet and capsule formulations by second-derivative ultraviolet spectrophotometry. Davidson AG, et al. **J Pharm Sci** 1984 Mar;73(3):413–6

METABOLISM

Microsomal hydroxylation of specifically deuterated monosubstituted benzenes. Evidence for direct aromatic hydroxylation. Hanzlik RP, et al. **Biochemistry** 1984 Jun 19;23(13):3048–55

Comparison of methods for the biodegradability evaluation of soluble and insoluble organochemicals. Ruffo C, et al. **Ecotoxicol Environ Safety** 1984 Jun;8(3):275–9

Competition between hydrocarbon and barbiturate for spectral binding to hepatic cytochrome P-450. Inferences concerning spin state of the enzyme. Backes WL, et al. **J Biol Chem** 1984 Aug 25;259(16):10092–9

Metabolism and disposition of simultaneously inhaled m-xylene and ethylbenzene in the rat. Elovaara E, et al. **Toxicol Appl Pharmacol** 1984 Sep 30;75(3):466–78

PHARMACODYNAMICS

Vestibulo-oculomotor disturbances caused by industrial solvents. Odkvist L, et al. **Otolaryngol Head Neck Surg** 1983 Oct;91(5):537–9

POISONING

[Clinical aspects of acute poisonings with aliphatic and aromatic organic solvents] Jabłoński J, et al. **Przegl Lek** 1983;40(6):517–9 (Eng. Abstr.) **(Pol)**

TOXICITY

[Relation between the toxicity of molecules of industrial value and their physico-chemical properties: test of upper airway irritation applied to 4 chemical groups] Muller J, et al. **Food Chem Toxicol** 1984 Aug;22(8):661–4 (Eng. Abstr.) **(Fre)**

URINE

Urinalysis of minor metabolites of ethylbenzene and m-xylene. Engström KM.
Scand J Work Environ Health 1984 Apr;10(2):75–81

Metabolism of inhaled ethylbenzene in rats. Engström KM.
Scand J Work Environ Health 1984 Apr;10(2):83–7

BENZENE HEXACHLORIDE

Potential exposure of commercial seed-treating applicators to the pesticides carboxin-thiram and lindane. Grey WE, et al. **Bull Environ Contam Toxicol** 1983 Aug;31(2):244–50

Ultrastructural study of hepatocellular carcinoma induced by hexachlorocyclohexane. Kandarkar SV, et al.
Indian J Med Res 1983 Jul;78 Suppl:155–61

The story of lindane resistance and head lice. Kucirka SA, et al. **Int J Dermatol** 1983 Dec;22(10):551–5 (17 ref.)

Lindane resistance and pediculosis capitis. Parish LC, et al. **Int J Dermatol** 1983 Dec;22(10):572–4 (7 ref.)

ADMINISTRATION & DOSAGE

Eradication of scabies with a single treatment schedule. Taplin D, et al. **J Am Acad Dermatol** 1983 Oct;9(4):546–50

A comparative trial of three treatment schedules for the eradication of scabies. Taplin D, et al.
J Am Acad Dermatol 1983 Oct;9(4):550–4

[Changes in the polymorphism of the blood serum alkaline phosphatase in chickens undergoing subacute lindane treatment] Iotsov S, et al. **Vet Med Nauki** 1983;20(3–4):14–9 (Eng. Abstr.) **(Bul)**

ANALYSIS

Distribution and degradation of HCCH & DDT residues in butter milk, butter & butter oil during processing. Sreenivasa MA, et al. **Indian J Med Res** 1983 Jul;78:151–5

Gas chromatographic methods for determination of gamma-BHC in technical emulsifiable concentrates and water-dispersible powder formulations and in lindane shampoo and lotion: collaborative study. Miles JW, et al.
J Assoc Off Anal Chem 1984 Jul-Aug;67(4):834–7

[Residue status of DDT, lindane and metabolites in grain after separation from DDT preparations] Goedicke HJ, et al. **Nahrung** 1983;27(6):599–605 (Eng. Abstr.) **(Ger)**

METABOLISM

Biotransformation of lindane in the rat. Gopalaswamy UV, et al. **Bull Environ Contam Toxicol** 1984 Feb;32(2):148–56

Comparative bioaccumulation and elimination of HCH isomers in short-necked clam (Venerupis japonica) and guppy (Poecilia reticulata). Yamato Y, et al.
Bull Environ Contam Toxicol 1983 Sep;31(3):352–9

Uptake and transformation of lindane by the liver during short exposure times. Yvelin C, et al.
Bull Environ Contam Toxicol 1984 Feb;32(2):140–7

The relevance of covalent binding to mouse liver DNA to the carcinogenic action of hexachlorocyclohexane isomers. Sagelsdorff P, et al. **Carcinogenesis** 1983 Oct;4(10):1267–73

Initial metabolism of gamma-hexachlorocyclohexane (gamma-HCH) by rat liver microsomes. Yamamoto T, et al. **J Pharmacobiodyn** 1983 Oct;6(10):721–8

Chlorobenzene-impaired lindane metabolism and the effect of pretreatment with chlorobenzene, lindane, or chlorobenzene plus lindane. Chadwick RW, et al.
J Toxicol Environ Health 1983 Oct-Dec;12(4–6):599–610

Interactions of lindane, toxaphene and cyclodienes with brain-specific t-butylbicyclophosphorothionate receptor. Lawrence LJ, et al. **Life Sci** 1984 Jul 9;35(2):171–8

In vivo and in vitro binding of alpha- and gamma-hexachlorocyclohexane to mouse liver macromolecules. Iverson F, et al. **Toxicol Lett** 1984 Mar; 20(3):331–5

Comparative study on the distribution of alpha- and gamma-hexachlorocyclohexane in the rat with particular reference to the problem of isomerization. Eichler D, et al. **Xenobiotica** 1983 Nov;13(11):639–47

PHARMACODYNAMICS

Effect of lindane on synaptosomal Na+/K+-ATPase in relation to its subcellular distribution in the brain. Magour S, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Apr; 54(4):299–303

Induction of gamma-glutamyl transpeptidase by hexachlorocyclohexane. Chandar N, et al. **Biochem Int** 1984 Jan;8(1):41–8

gamma-Hexachlorocyclohexane stimulation of macrophage phospholipid hydrolysis and leukotriene production. Meade CJ, et al. **Biochem Pharmacol** 1984 Jan 15;33(2):289–93

Induction of liver mixed function oxygenase system by beta- & gamma-hexachlorocyclohexane. Srinivasan K, et al.
Indian J Biochem Biophys 1983 Apr;20(2):84–91

Development of malathion resistance in a DDT, HCH resistant Anopheles culicifacies population in Thane district (Maharashtra). Vittal M, et al. **J Commun Dis** 1983 Jun; 15(2):144–5

Hepatic microsomal enzymes in S. mansoni infected mice: II. Effect of duration of infection and lindane administration on aminopyrine demethylase and aniline hydroxylase. El-Bassiouni EA, et al.
J Environ Sci Health [B] 1984 Mar;19(2):193–207

Sequential histopathologic analysis of alpha-hexachlorocyclohexane-induced hepatic megalocytosis and adenoma formation in the HPB mouse. Tryphonas L, et al. **JNCI** 1983 Dec;71(6):1307–18

Influence of estradiol on the benzo(a)pyrene hydroxylase activity induced by hexachlorocyclohexane. Munir KM, et al. **Toxicol Lett** 1983 Dec;19(3):279–85

[Mutagenic activity of preparation HCCH] Bakhitova LM, et al. **Gig Sanit** 1984 May;(5):82–3 **(Rus)**

POISONING

Convulsions induced by lindane and the involvement of the GABAergic system. Cattabeni F, et al.
Arch Toxicol [Suppl] 1983;6:244–9

Lindane toxicity to four-month-old calves. Frank R, et al.
Bull Environ Contam Toxicol 1984 May;32(5):533–6

Acute oral poisoning with lindane-solvent mixtures. Jaeger U, et al. **Vet Hum Toxicol** 1984 Feb;26(1):11–4

THERAPEUTIC USE

Comparative trial of treatment with Prioderm lotion and Kwellada shampoo in children with head lice. Mathias RG, et al. **Can Med Assoc J** 1984 Feb 15;130(4):407–9

Scabies. Subungual areas harbor mites. Witkowski JA, et al.
JAMA 1984 Sep 14;252(10):1318–9

TOXICITY

Cytotoxic, mutagenic, and cell-cell communication inhibitory properties of DDT, lindane, and chlordane on Chinese hamster cells in vitro. Tsushimoto G, et al.
Arch Environ Contam Toxicol 1983 Nov;12(6):721–9

Interaction of the chlorinated hydrocarbon insecticide lindane or DDT with lipids—a differential scanning calorimetry study. Bach D, et al. **Biochem Pharmacol** 1984 Jul 15;33(14):2227–30

Respiratory potentials of the fish (Tilapia mossambica) under malathion, carbaryl and lindane intoxication. Basha SM, et al. **Bull Environ Contam Toxicol** 1984 May;32(5):570–4

Differential toxicity of malathion, BHC, and carbaryl to the freshwater fish, Tilapia mossambica (Peters). Basha SM, et al. **Bull Environ Contam Toxicol** 1983 Nov;31(5):543–6

Effects of lindane on liver mitochondrial function in the rat. Gopalaswamy UV, et al. **Bull Environ Contam Toxicol** 1984 Jul;33(1):106–13

Acute toxicity and bioaccumulation of lindane in gudgeon, Gobio gobio (L.). Marcelle C, et al.
Bull Environ Contam Toxicol 1983 Oct;31(4):453–8

Effect of hexachlorocyclohexane on diethylnitrosamine-induced hepatocarcinogenesis in rat and its failure to promote skin tumors on dimethylbenz[a]anthracene initiation in mouse. Munir KM, et al. **Carcinogenesis** 1984 Apr;5(4):479–81

Renal tubular dysfunction caused by dietary hexachlorocyclohexane (HCH) isomers. Srinivasan K, et al. **J Environ Sci Health [B]** 1984 Jun-Jul;19(4–5):453–66

Proconvulsant action of lindane compared at two different kindling sites in the rat—amygdala and hippocampus. Joy RM, et al. **Neurobehav Toxicol Teratol** 1983 Jul-Aug; 5(4):465–8

Proconvulsant actions of lindane: effects on afterdischarge thresholds and durations during amygdaloid kindling in rats. Joy RM, et al. **Neurotoxicology (Park Forest II)** 1983 Summer;4(2):211–9

The persistence of kindled amygdaloid seizures in rats exposed to lindane. Stark LG, et al.
Neurotoxicology (Park Forest II) 1983 Summer;4(2):221–5

Toxic and teratogenic effects of fenitrothion, BHC and carbofuran on embryonic development of the frog Microhyla ornata. Pawar KR, et al. **Toxicol Lett** 1984 Jul; 22(1):7–13

In vivo acute physiological stress induced by BHC on hemolymph biochemistry of Oziotelphusa senex senex, the Indian rice field crab. Reddy PS, et al. **Toxicol Lett** 1983 Aug;18(1–2):35–8

Hexachlorocyclohexane-induced tumorigenicity in mice under different experimental conditions. Munir KM, et al. **Tumori** 1983 Oct 31;69(5):383–6

[In vitro demonstration of the effect of lindane on isolated synaptosome preparations] Narbonne P, et al.
C R Seances Acad Sci [III] 1983;296(17):811–4 (Eng. Abstr.) **(Fre)**

[Specific mechanisms of the damaging effects of gamma-benzene hexachloride in the rat] Uzbekov VA, et al. **Gig Sanit** 1983 Dec;(12):68–70 **(Rus)**

BENZENESULFONATES

The differential reaction of histamine and N tau-methylhistamine with Pauly's diazo reagent: application to assay of histamine N-methyltransferase activity. Imamura I, et al. **Anal Biochem** 1984 Jun; 139(2):444–7

Evaluation of sodium polyanethanol sulfonate as a blood culture additive for recovery of Salmonella typhi and Salmonella paratyphi A. Escamilla J, et al. **J Clin Microbiol** 1983 Aug;18(2):380–3

ADMINISTRATION & DOSAGE

Intrapartum ethamsylate [letter] Harrison RF, et al. **Lancet** 1984 Aug 4;2(8397):296

ADVERSE EFFECTS

Does ethamsylate increase the incidence of venous thrombosis? Lewis GJ. **Br Med J [Clin Res]** 1984 Mar 24; 288(6421):899–900

[State of the skin of workers in the manufacture of synthetic detergents with a sulfanol base] Alekperov II, et al. **Vestn Dermatol Venerol** 1983 Sep;(9):59–60 (Eng. Abstr.) **(Rus)**

ANALYSIS

Chromoxane cyanine R. I. Physical and chemical properties of the dye and of some of its iron complexes. Kiernan JA. **J Microsc** 1984 Apr;134 (Pt 1):13–23

Chromoxane cyanine R. II. Staining of animal tissues by the dye and its iron complexes. Kiernan JA. **J Microsc** 1984 Apr;134 (Pt 1):25–39

CHEMICAL SYNTHESIS

Synthesis of some 2- and 4-methoxyacetylaminobenzenesulphonylamino acid derivatives and their antimicrobial activity. El-Naggar AM, et al. **Farmaco [Sci]** 1983 Jul;38(7):488–97

DIAGNOSTIC USE

Rapid detection of fungi in tissues using calcofluor white and fluorescence microscopy. Monheit JE, et al. **Arch Pathol Lab Med** 1984 Aug;108(8):616–8

IMMUNOLOGY

[Visualization of different types of hapten–cell membrane interaction by fluorine high-field nuclear magnetic resonance] Maugras M, et al. **Biol Cell** 1983;49(1):91–3 (Eng. Abstr.) **(Fre)**

METABOLISM

Inactivation of the polyanionic detergent sodium polyanetholsulfonate by hemoglobin. Edberg SC, et al. **J Clin Microbiol** 1983 Nov;18(5):1047–50

Elimination- and biodistribution studies of [14C]dodecylbenzene sulfonate in rats, following low dosing in the daily diet and a single i.p. administration. Lay JP, et al. **Toxicol Lett** 1983 Jun;17(1–2):187–92

PHARMACODYNAMICS

Effect of anionic amphophiles on erythrocyte properties. McMillan DE, et al. **Ann NY Acad Sci** 1983;416:633–41

Calcium dobesilate (Doxium) as a prostaglandin synthetase inhibitor in pregnant human myometrium in vitro. Falkay G, et al. **Experientia** 1984 Feb 15;40(2):190–1

Calcofluor staining of cellulose during microcyst differentiation in wild-type and mutant strains of Polysphondylium pallidum. Choi AH, et al. **J Bacteriol** 1984 Jan;157(1):291–6

Methylation of the active center histidine 217 in D-amino acid oxidase by methyl-p-nitrobenzenesulfonate. Swenson RP, et al. **J Biol Chem** 1984 May 10;259(9):5585–90

Neutralization of the inhibitory effect of sodium polyanetholesulfonate on Neisseria meningitidis in blood cultures processed with the Du Pont Isolator System. Scribner RK, et al. **J Clin Microbiol** 1984 Jul;20(1):40–2

Evaluation of linear dodecyl benzene sulfonic acid teat dip under experimental challenge. Pankey JW, et al. **J Dairy Sci** 1984 Jun;67(6):1327–30

Evaluation of linear dodecyl benzene sulfonic acid as a teat dip in a commercial dairy. Pankey JW, et al. **J Dairy Sci** 1984 Jun;67(6):1354–8

Calcofluor white alters the assembly of chitin fibrils in Saccharomyces cerevisiae and Candida albicans cells. Elorza MV, et al. **J Gen Microbiol** 1983 May;129 (Pt 5):1577–82

Diazotization and thiocyanate differentiate agonists from antagonists for the high- and low-affinity receptors of gamma-aminobutyric acid. Maksay G, et al. **J Neurochem** 1984 Jul;43(1):261–8

Etamsylate (Dicynone) reduces aqueous humor formation and intraocular pressure in rabbits. Jozsa M. **Ophthalmic Res** 1983;15(5):265–7

[Improvement of reduced erythrocyte flexibility through calcium dobesilate. Results of a pilot study] Ernst E, et al. **MMW** 1984 Feb 3;126(5):125–6 (Eng. Abstr.) **(Ger)**

[Probability approach to evaluating the complex (inhalational and percutaneous) action of sulfonol chloride on the body] Voloshchenko OI, et al. **Gig Sanit** 1983 Aug;(8):42–5 (8 ref.) **(Rus)**

THERAPEUTIC USE

Prophylactic ethamsylate for periventricular haemorrhage. Cooke RW, et al. **Arch Dis Child** 1984 Jan;59(1):82–3

Prophylactic ethamsylate for periventricular haemorrhage [letter] Dubowitz LM, et al. **Arch Dis Child** 1984 May; 59(5):489–90

Double-blind cross-over study of the effect of sultosilic acid piperazine salt (A-585) and bezafibrate in primary hyperlipoproteinemia. Vinazzer H, et al. **Atherosclerosis** 1983 Nov;49(2):109–18

Hyperviscosity in whole blood, plasma, and aqueous humor decreased by doxium (calcium dobesilate) in diabetics with retinopathy and glaucoma: a double-blind controlled study. Vojnikovic B. **Ophthalmic Res** 1984;16(3):150–62

[Capillary fragility in diabetics and its modification by calcium dobesilate] Zabel-Langhennig R, et al. **Z Gesamte Inn Med** 1983 Dec 1;38(23):633–6 (Eng. Abstr.) **(Ger)**

[Altodor for hemostasis in tonsillectomy] Lambert D, et al. **ZFA (Stuttgart)** 1983 Dec 20;59(35–36):1986–8 **(Ger)**

[Effect of sigetin treatment during reduced maternal-placental circulation in pregnant rabbits on the nucleic acid and total protein content of the organs of the progeny] Manevskaia MV. **Farmakol Toksikol** 1983 Sep-Oct;46(5):96–100 (Eng. Abstr.) **(Rus)**

TOXICITY

[Establishment of a hygienic norm for sodium alkylbenzene sulfonate in reservoir water] Kondratiuk VA, et al. **Gig Sanit** 1983 Jun;(6):81–2 **(Rus)**

[Effect of body uptake of sulfonol chloride on the information value of hematological and biochemical indices] Voloshchenko OI, et al. **Vrach Delo** 1983 Nov;(11):101–3 (Eng. Abstr.) **(Rus)**

BENZETHONIUM see under **AMMONIUM COMPOUNDS**

BENZHEXOL see **TRIHEXYPHENIDYL**

BENZHYDRYL COMPOUNDS

ADMINISTRATION & DOSAGE

The effect of large doses of H1 antagonists in urticaria [letter] Warin RP. **Br J Dermatol** 1984 Jul;111(1):121

[Terfenadine suspension versus clemastine syrup in children with acute hay fever] Varonier HS, et al. **Schweiz Rundsch Med Prax** 1984 May 22;73(21):676–80 (Eng. Abstr.) **(Ger)**

BLOOD

[Pharmacokinetic characteristics of zixoryn used in single and multiple doses] Kuz'min AI, et al. **Farmakol Toksikol** 1984 May-Jun;47(3):108–14 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

[Benzhydryl derivatives (3). Synthesis of diphenylacetylamino acids and their effects on tumor cells in culture] Takemura S, et al. **Yakugaku Zasshi** 1983 Apr; 103(4):480–2 (Eng. Abstr.) **(Jpn)**

METABOLISM

Absorption of 4,4'-methylenebis [2-chloroaniline] by human skin. Chin B, et al. **Environ Res** 1983 Oct;32(1):167–78

4,4'-methylene-bis-ortho-chloro-aniline (MBOCA): absorption and excretion after skin application and gavage. Groth DH, et al. **Environ Res** 1984 Jun;34(1):38–54

Percutaneous absorption, disposition, and excretion of 4,4'-methylenebis(2-chloroaniline) in dogs. Manis MO, et al. **Environ Res** 1984 Feb;33(1):234–45

Kinetics of tissue distribution and elimination of 4,4'-methylene bis(2-chloroaniline) in rats. Tobes MC, et al. **Toxicol Lett** 1983 Jun;17(1–2):69–75

PHARMACODYNAMICS

Pharmacological studies with beclobrate, a new hypolipidemic agent. Adrian RW, et al. **Arzneimittelforsch** 1983;33(10):1464–8

Influence of beclobrate and eniclobrate on cholesterol metabolism in rats. Kritchevsky D, et al. **Arzneimittelforsch** 1983;33(10):1469–71

Selective potentiation of noradrenaline in the guinea-pig vas deferens by 2-(4-methylaminobutoxy) diphenylmethane hydrochloride (MCI-2016), a new psychotropic drug. Ohizumi Y, et al. **Br J Pharmacol** 1982 Feb;75(2):377–82

Effects of two antihistamine drugs on actual driving performance. Betts T, et al. **Br Med J [Clin Res]** 1984 Jan 28;288(6413):281–2

Effects of two antihistamine drugs on actual driving performance [letter] Cohen AF, et al. **Br Med J [Clin Res]** 1984 Mar 24;288(6421):935

Effects of 4-(o-benzylphenoxy)-N-methylbutylamine hydrochloride (MCI-2016) on survival time and brain monoamine levels in bilaterally carotid-artery-ligated gerbils. Egawa M, et al. **Jpn J Pharmacol** 1984 Mar; 34(3):363–5

Effect of 4-(o-benzylphenoxy)-N-methylbutylamine hydrochloride (MCI-2016) on the scopolamine-induced deficit of spontaneous alternation behavior in rats. Tobe A, et al. **Jpn J Pharmacol** 1983 Aug;33(4):775–84

Comparison of the effects of azatadine maleate and terfenadine on human performance. Luscombe DK, et al. **Pharmatherapeutica** 1983;3(6):370–5

Daytime sleepiness and antihistamines. Roehrs TA, et al. **Sleep** 1984;7(2):137–41

[Effects of 4-(o-benzylphenoxy)-N-methylbutylamine hydrochloride (MCI-2016) on monamine metabolism in the brain] Egawa M, et al. **Nippon Yakurigaku Zasshi** 1983 Nov;82(5):351–60 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Influence of beclobrate on gallstone formation in hamsters. Kritchevsky D, et al. **Arzneimittelforsch** 1983;33(10):1471–2

The effect of terfenadine on dermographic wealing. Krause LB, et al. **Br J Dermatol** 1984 Jan;110(1):73–9

Mechanism of action of antipruritic drugs. Krause L, et al. **Br Med J [Clin Res]** 1983 Oct 22;287(6400):1199–200

Terfenadine in exercise induced asthma. Patel KR. **Br Med J [Clin Res]** 1984 May 19;288(6429):1496–7

Treatment of chronic idiopathic urticaria with terfenadine. Cerio R, et al. **Clin Allergy** 1984 Mar;14(2):139–41

Non-sedative antihistamines: terfenadine and astemizole. **Drug Ther Bull** 1984 Mar 23;22(6):21–3

Children with allergies. Terfenadine suspension versus placebo. Lockhart JD, et al. **Practitioner** 1983 Aug; 227(1382):1313–5

Comparative trial of two non-sedative H1 antihistamines, terfenadine and astemizole, for hay fever. Howarth PH, et al. **Thorax** 1984 Sep;39(9):668–72

[Zixoryn—a new Hungarian enzyme-inducing product (results of treatment of neonatal icterus)] Boross G, et al. **Orv Hetil** 1984 Aug 5;125(32):1945–7 (Eng. Abstr.) **(Hun)**

[Non-specific drug-metabolizing enzyme capacity in Gilbert's disease] Várkonyi A, et al. **Orv Hetil** 1983 Sep 11;124(37):2249–50, 2455–6 (Eng. Abstr.) **(Hun)**

[Effects of 2-(4-methylaminobutoxy) diphenylmethane hydrochloride (MCI-2016), an omega-aminoalkoxybenzene derivative, on the gastric lesions induced by conditioned emotional stimulus] Gomita Y, et al. **Nippon Yakurigaku Zasshi** 1983 May;81(5):323–31 (Eng. Abstr.) **(Jpn)**

[Anti-anoxic effect of 4-(o-benzlphenoxy)-N-methylbutylamine hydrochloride (MCI-2016)] Tobe A, et al. **Nippon Yakurigaku Zasshi** 1983 May;81(5):421–9 (Eng. Abstr.) **(Jpn)**

[Anti-allergic properties of dimebon, fencarol and ketotifen in sensitization by common ragweed pollen] Galenko-Iaroshevskii PA, et al. **Farmakol Toksikol** 1984 May-Jun;47(3):75–8 (Eng. Abstr.) **(Rus)**

URINE

The determination of 4,4'-methylenebis (2-chloroaniline) in urine by electron capture gas chromatography. Gristwood W, et al. **J Anal Toxicol** 1984 May-Jun;8(3):101–5

BENZIDINES

Reaction of 4-substituted phenols with benzidine in a peroxidase system. Josephy PD, et al. **Biochem Pharmacol** 1984 Apr 1;33(7):1155–6

A sensitive low artifact TMB procedure for the demonstration of WGA-HRP in the CNS. Gibson AR, et al. **Brain Res** 1984 Apr 30;298(2):235–41

Azo dyes based on 3,5,3',5'-tetramethylbenzidine: potential substitutes for carcinogenic azo dyes. Josephy PD, et al. **Chem Biol Interact** 1984 May;49(3):375–82

Mutagenicity of some benzidine congeners and their N-acetylated and N,N'-diacetylated derivatives in different strains of Salmonella typhimurium. Reid TM, et al. **Environ Mutagen** 1984;6(2):145–51

Metal compound intensification of the electron-density of diaminobenzidine. Newman GR, et al. **J Histochem Cytochem** 1983 Dec;31(12):1430–4

Modified technique of Mesulam's tetramethylbenzidine method to prevent fading of the color of the reaction product. Yamauchi K, et al. **Okajimas Folia Anat Jpn** 1984 Mar;60(6):409–14

ADVERSE EFFECTS

[Exfoliative cytology from the urinary tract of workers exposed to benzidine--a 4-year observation] Qi RR. **Chung Hua Chung Liu Tsa Chih** 1983 May;5(3):187–9 (Eng. Abstr.) **(Chi)**

DIAGNOSTIC USE

The identification of mixed granulocytic-erythrocytic colonies in vitro. Guimaraes JE, et al. **Exp Hematol** 1984 Aug;12(7):535–8

Shift of equilibrium density induced by 3,3'-diaminobenzidine cytochemistry: a new procedure for the analysis and purification of peroxidase-containing organelles. Courtoy PJ, et al. **J Cell Biol** 1984 Mar;98(3):870–6

Screening for occult faecal blood loss in a community by means of Hemoccult II slides and a tetramethylbenzidine test. Dybdahl JH, et al. **Scand J Gastroenterol** 1984 May; 19(3):343–9

[Manual method of assaying plasma hemoglobin by tetramethylbenzidine and deferoxamine] Salauze D, et al. **Ann Biol Clin (Paris)** 1984;42(3):237–9 (Eng. Abstr.) **(Fre)**

[Determination of plasma hemoglobin in fresh plasma for therapeutic use by the TMB (3,3',5,5'-tetramethylbenzidine) method] Pillier-Loriette C,

et al. **Rev Fr Transfus Immunohematol** 1983 Jun; 26(3):299–312 (Eng. Abstr.) **(Fre)**

[The use of carbamide peroxide in the benzidine reaction] Krutsay M. **Morphol Igazsagugyi Orv Sz** 1983 Jul; 23(3):210–3 (Eng. Abstr.) **(Hun)**

METABOLISM

Mechanism studies of enzymatically formed tolidine blue and determination of peroxidatic activities. Mohr P, et al. **Biomed Biochim Acta** 1983;42(6):663–72

Binding of N-acetylbenzidine and N,N'-diacetylbenzidine to hepatic DNA of rat and hamster in vivo and in vitro. Kennelly JC, et al. **Carcinogenesis** 1984 Mar;5(3):407–12

Metabolism of 2-naphthylamine and benzidine by rat and human bladder organ cultures. Moore BP, et al. **Carcinogenesis** 1984 Jul;5(7):949–54

Metabolism, distribution, and excretion of the carcinogenic aromatic amine, 3,3'-dimethoxybenzidine in the rat. Formation of mutagenic urinary and biliary metabolites. Rodgers RM, et al. **Drug Metab Dispos** 1983 Jul–Aug; 11(4):293–300

Disposition of the aromatic amine, benzidine, in the rat: characterization of mutagenic urinary and biliary metabolites. Lynn RK, et al. **Toxicol Appl Pharmacol** 1984 Jan;72(1):1–14

PHARMACODYNAMICS

Prostaglandin H synthase-catalyzed activation of benzidine: a model to assess pharmacologic intervention of the initiation of chemical carcinogenesis. Zenser TV, et al. **J Pharmacol Exp Ther** 1983 Dec;227(3):545–50

Mutagenicity of benzidine and benzidine-congener dyes and selected monoazo dyes in a modified Salmonella assay. Prival MJ, et al. **Mutat Res** 1984 Apr;136(1):33–47

Factors affecting the consecutive and simultaneous coupling with bis-diazotized benzidine of protein antigen to sheep red blood cells. Choi CS, et al. **Vet Microbiol** 1984 Apr; 9(2):193–9

TOXICITY

Benzidine dihydrochloride: risk assessment. Littlefield NA, et al. **Fundam Appl Toxicol** 1984 Feb;4(1):69–80

Benzidine dihydrochloride: toxicological assessment in mice during chronic exposures. Littlefield NA, et al. **J Toxicol Environ Health** 1983 Oct–Dec;12(4–6):671–85

The effect of acetyl-CoA supplementation on the mutagenicity of benzidines in the Ames assay. Kennelly JC, et al. **Mutat Res** 1984 Jul;137(1):39–45

[Chromosomes of peripheral lymphocytes of workers exposed to benzidine] Qu CY. **Chung Hua Chung Liu Tsa Chih** 1984 Mar;6(2):86–9 (Eng. Abstr.) **(Chi)**

BENZILATES

The development and use of a universal model to predict tree crop harvester pesticide exposure. Nigg HN, et al. **Am Ind Hyg Assoc J** 1984 Mar;45(3):182–6

Exposure of spray applicators and mixer-loaders to chlorobenzilate miticide in Florida citrus groves. Nigg HN, et al. **Arch Environ Contam Toxicol** 1983 Jul;12(4):477–82

ADMINISTRATION & DOSAGE

Intravenous indomethacin in biliary pain. A clinical investigation with metamizole as the control. Niinikoski J, et al. **Ann Chir Gynaecol** 1984;73(2):69–72

PHARMACODYNAMICS

Inhibitory effect of alpha-alpha-diphenyl-alpha-propoxyacetic acid-L-methyl-4-piperidyl ester hydrochloride on the activity of the rat urinary bladder. Nagai M, et al. **Experientia** 1983 Dec 15;39(12):1388–9

TOXICITY

Chlorobenzilate. **IARC Monogr Eval Carcinog Risk Chem Hum** 1983 Jan; 30:73–85

BENZILYLCHOLINE MUSTARD see under **CHOLINE**

BENZIMIDAZOLES

Acyclonucleosides: acyclobenzimidazole nucleoside and nucleotide analogues and conformations of the acyclic chains by means of NMR spectroscopy. Kazimierczuk Z, et al. **Acta Biochim Pol** 1984;31(1):33–48

Visualization of chromatin distribution in living PTO cells by Hoechst 33342 fluorescent staining. Gregoire M, et al. **Exp Cell Res** 1984 May;152(1):38–46

In vivo fluorescence of endothelial cell nuclei stained with the dye Bis-benzamide H 33342. Reinhold HS, et al. **Int J Microcirc Clin Exp** 1983;2(2):143–6

[Omeprazole: effects and side effects] Hengels KJ. **Z Gastroenterol** 1984 May;22(5):241–3 **(Ger)**

ADMINISTRATION & DOSAGE

New trend in the treatment of intestinal helminthiasis. Rossignol JF. **East Afr Med J** 1983 Jul;60(7):485–91

Optimal dose of oral omeprazole for maximal 24 hour decrease of intragastric acidity. Sharma BK, et al. **Gut** 1984 Sep;25(9):957–64

The efficacy of fenbendazole at a dosage rate of 5 mg/kg against the third and fourth stage larvae of Dictyocaulus filaria in sheep. Malan FS, et al. **J S Afr Vet Assoc** 1983 Jun;54(2):92

The efficacy of fenbendazole at a dosage rate of 5 mg/kg against Dictyocaulus viviparus. Malan FS, et al. **J S Afr Vet Assoc** 1983 Jun;54(2):85–6

Omeprazole in Zollinger-Ellison syndrome. Effects of a single dose and of long-term treatment in patients resistant to histamine H2-receptor antagonists. Lambers CB, et al. **N Engl J Med** 1984 Mar 22;310(12):758–61

Effect of dose on increased etonitazene self-administration by rats due to food deprivation. Carroll ME, et al. **Psychopharmacology (Berlin)** 1984;82(3):151–2

Treatment of Brugia malayi infection with mebendazole and levamisole. Mak JW, et al. **Southeast Asian J Trop Med Public Health** 1983 Dec; 14(4):510–4

Comparison of oral and intraruminal administration of oxfendazole against Ostertagia ostertagi and Cooperia oncophora. Bairden K, et al. **Vet Rec** 1983 Nov 5; 113(19):448–9

[Two cases of Ostertagia spp. in sheep showing resistance to benzimidazole anthelmintics] Van Schalkwyk PC, et al. **J S Afr Vet Assoc** 1983 Jun;54(2):93–8 (Eng. Abstr.) **(Afr)**

[Observation on the whipworm-expulsive effects of oxantel and its combinations with pyrantel pamoate and mebendazol] Sun R. **Chung Hua I Hsueh Tsa Chih** 1983 Aug;63(8):506–8 **(Chi)**

[Effectiveness of oxfendazole against Muellerius capillaris (Nematoda: Protostrongylidae) in goats] Cremers HJ. **Tijdschr Diergeneeskd** 1983 Nov 15;108(22):863–7 (Eng. Abstr.) **(Dut)**

[Efficacy of albendazole as a pellet formulation against Ostertagia ostertagi and Cooperia oncophora in experimentally infected calves] Bauer C, et al. **DTW** 1984 Mar 8;91(3):96–8 (Eng. Abstr.) **(Ger)**

[Treatment of ascaridiasis and trichocephaliasis with small single doses of 200mg or 300mg of mebendazole] Amato Neto V, et al. **Rev Paul Med** 1984 Jan-Feb;102(1):31–3 (Eng. Abstr.) **(Por)**

[Effectiveness of a combination of single doses of combination and vermox in treating intestinal nematodiasis] Chobanov RE, et al. **Med Parazitol (Mosk)** 1983 Sep-Oct; (5):30–2 (Eng. Abstr.) **(Rus)**

[Experimental study of the chemotherapy of echinococcosis using intramuscular injections of a mebendazole suspension] Krotov AI, et al. **Med Parazitol (Mosk)** 1983 Sep-Oct; (5):61–3 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Omeprazole: no evidence for frequent hepatic reactions [letter] Lööf L, et al. **Lancet** 1984 Jun 16;1(8390):1347–8

[Mebendazole-hepatitis] Junge U, et al. **Z Gastroenterol** 1983 Dec;21(12):736–8 **(Ger)**

ANALYSIS

Assay of mebendazole in tablets by high-performance liquid chromatography. Wang DP, et al. **Analyst** 1984 May; 109(5):669–70

Liquid chromatographic determination of oxfendazole in swine feeds. Shah G, et al. **J Assoc Off Anal Chem** 1984 Jul–Aug;67(4):707–14

Simultaneous high-performance liquid chromatographic analysis of omeprazole and its sulphone and sulphide metabolites in human plasma and urine. Mihaly GW, et al. **J Chromatogr** 1983 Dec 9;278(2):311–9

Simultaneous determination of astemizole and its demethylated metabolite in animal plasma and tissues by high-performance liquid chromatography. Woestenborghs R, et al. **J Chromatogr** 1983 Dec 9;278(2):359–66

Liquid chromatography with electrochemical detection for monitoring mebendazole and hydroxymebendazole in echinococcosis patients. Oosterhuis B, et al. **Ther Drug Monit** 1984;6(2):215–20

CHEMICAL SYNTHESIS

Syntheses and anthelmintic activity of alkyl 5(6)-(substituted-carbamoyl)- and 5(6)-(disubstituted-carbamoyl)benzimidazole-2-carbamate and related compounds. Kumar S, et al. **J Med Chem** 1984 Aug;27(8):1083–9

Synthesis of potential antifilarial agents. 1-(5-Benzoylbenzimidazol-2-yl)-3-alkyl- and -arylureas. Ram S, et al. **J Med Chem** 1984 Jul;27(7):914–7

Synthesis and biological activity of some new benzimidazolyl-azetidin-2-ones and -thiazolidin-4-ones. Abdel-Rahman AE, et al. **Pharmazie** 1983 Sep;38(9):589–90

[Synthesis of reversible anticholinesterase—5-(1,2-substituted benzimidazolyl)-N,N-dimethyl carbamates] Meng BY, et al. **Yao Hsueh Hsueh Pao** 1983 Dec;18(12):905–11 (Eng. Abstr.) **(Chi)**

[Central depressant drugs. 3. 3-Aromatic-aliphatic-substituted 4-hydroxypyrimido-[1,2-a]benzimidazol-2-ones] Kreutzberger A, et al. **Arzneimittelforsch** 1983; 33(11):1517–8 (Eng. Abstr.) **(Ger)**

DIAGNOSTIC USE

A study of the proliferative response of rabbit T cells using the BrdU-Hoechst method. Roholl PJ, et al. **Cell Tissue Kinet** 1984 May;17(3):263–73

Analysis and separation of murine bone marrow stem cells by H33342 fluorescence-activated cell sorting. Baines P, et al. **Exp Hematol** 1983 Sep;11(8):701–8

An evaluation of Feulgen-acriflavine-SO2 and Hoechst 33258 for DNA cytofluorometry in tumour pathology. Bjelkenkrantz K. **Histochemistry** 1983;79(2):177–91

Identification in histological sections of species origin of cells from mouse, rat and human. Cunha GR, et al. **Stain Technol** 1984 Jan;59(1):7–12

METABOLISM

Increased uptake of vital dye Hoechst 33342 during S phase in synchronized HeLa S3 cells. Frankfurt OS. **Cytometry** 1983 Nov;4(3):216–21

Oral pharmacokinetics of omeprazole. Howden CW, et al. **Eur J Clin Pharmacol** 1984;26(5):641–3

Preliminary observations on the biliary elimination of mebendazole and its metabolites in patients with echinococcosis. Witassek F, et al. **Eur J Clin Pharmacol** 1983;25(1):81–4

The metabolic and pharmacokinetic disposition of mebendazole in the rat. Allan RJ, et al. **Eur J Drug Metab Pharmacokinet** 1983 Oct–Dec; 8(4):373–81

4-Amino-3-(3'-methoxycarbonyl-2'-thioureido)benzophe a prodrug of mebendazole. Dawson M, et al. **Eur J Drug Metab Pharmacokinet** 1983 Oct–Dec; 8(4):329–34

Cyst and host tissue concentrations of mebendazole in patients undergoing surgery for hydatid disease. Braithwaite PA, et al. **Med J Aust** 1983 Oct 15;2(8):383–4

Autoradiography in mice of tritiated 2-(2-furyl)benzimidazole and melanin-binding in vitro. Frank A, et al. **Toxicol Lett** 1983 Jul;17(3–4):267–73

[Pharmacokinetics and urinary metabolism of albendazole in man] Penicaut B, et al. **Bull Soc Pathol Exot Filiales** 1983 Nov;76(5):698–708 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Dissociated response of acid and pepsin secretion to omeprazole in an in vitro perfused mouse stomach. Fimmel CJ, et al. **Am J Physiol** 1984 Sep;247(3 Pt 1):G240–7

Effects of KCl and insulin on benzimidazole-inhibited canine gastric secretion. Hirschowitz BI, et al. **Am J Physiol** 1983 Dec;245(6):G739–44

Effectiveness of fenbendazole against later 4th-stage Strongylus vulgaris in ponies. Slocombe JO, et al. **Am J Vet Res** 1983 Dec;44(12):2285–9

Efficacy of albendazole against Fascioloides magna in sheep. Stromberg BE, et al. **Am J Vet Res** 1984 Jan;45(1):80–2

Effect of the histamine-H1 antagonist astemizole on bronchoconstriction in the guinea-pig. Schuurkes JA, et al. **Arch Int Pharmacodyn Ther** 1983 Sep;265(1):164–6

A comparison of the interaction of anthelmintic benzimidazoles with tubulin isolated from mammalian tissue and the parasitic nematode Ascaridia galli. Dawson PJ, et al. **Biochem Pharmacol** 1984 Apr 1;33(7):1069–74

Effect of omeprazole on gastric secretion in H+,K+-ATPase and in pepsinogen-rich cell fractions from rabbit gastric mucosa. Fryklund J, et al. **Biochem Pharmacol** 1984 Jan 15;33(2):273–80

2-Mercapto-1-(beta-4-pyridethyl) benzimidazole inhibition of basal and aldosterone-stimulated sodium transport but prolongation of the transient theophylline-induced stimulation in the toad bladder. Lahav M. **Biochem Pharmacol** 1983 Nov 15;32(22):3271–8

The acute and chronic effects of H1 receptor blockade with astemizole on indocyanine green clearance. Bateman DN, et al. **Br J Clin Pharmacol** 1983 Sep;16(3):241–4

The effects of astemizole on antipyrine clearance [letter] Bateman DN, et al. **Br J Clin Pharmacol** 1983 Dec; 16(6):759–60

Inhibition of partially purified K+/H+-ATPase from guinea-pig isolated and enriched parietal cells by substituted benzimidazoles. Beil W, et al. **Br J Pharmacol** 1984 Jul;82(3):651–7

Effect of daily oral omeprazole on 24 hour intragastric acidity [letter] Prichard PJ, et al. **Br Med J [Clin Res]** 1983 Nov 5;287(6402):1378–9

The role of microtubules in pinocytosis. Inhibition of fluid-phase pinocytosis in the rat visceral yolk sac by mitoclasic and related agents. Starling D, et al. **Cell Biol Int Rep** 1983 Aug;7(8):593–602

Can nocodazole, an inhibitor of microtubule formation, be used to synchronize mammalian cells? Accumulation of cells in mitosis studied by two parametric flow cytometry using acridine orange and by DNA distribution analysis. Nüsse M, et al. **Cell Tissue Kinet** 1984 Jan;17(1):13–23

Autologous and allogeneic mixed-lymphocyte responses following thermal injury in man: the immunomodulatory effects of interleukin 1, interleukin 2, and a prostaglandin inhibitor, WY-18251. Antonacci AC, et al. **Clin Immunol Immunopathol** 1984 Feb;30(2):304–20

Elimination of mycoplasma contamination from mammalian cell cultures by the bibenzimidazole derivative Hoechst

33258. Hellkuhl B, et al. **Cytogenet Cell Genet** 1983; 36(3):584–5
Hoechst 33342 staining of mouse bone marrow: effects on colony-forming cells. Van Zant G, et al. **Cytometry** 1983 Jul;4(1):40–6
Omeprazole inhibits nocturnal and pentagastrin-stimulated gastric secretion in man. Wilson JA, et al. **Dig Dis Sci** 1984 Sep;29(9):797–801
Effects of a proton pump inhibitor, omeprazole, on gastric secretion and gastric and duodenal ulcers or erosions in rats. Yamamoto O, et al. **Dig Dis Sci** 1984 May; 29(5):394–401
Protective action of omeprazole, a benzimidazole derivative, on gastric mucosal damage by aspirin and ethanol in rats. Konturek SJ, et al. **Digestion** 1983;27(3):159–64
Effects of omeprazole and cimetidine on gastric acid secretion and right atrial beating frequency in isolated organ preparations from the guinea pig. Larsson H, et al. **Digestion** 1984;29(1):12–8
Astemizole. A review of its pharmacodynamic properties and therapeutic efficacy. Richards DM, et al. **Drugs** 1984 Jul; 28(1):38–61 (76 ref.)
Lack of effect of astemizole on ethanol dynamics or kinetics. Bateman DN, et al. **Eur J Clin Pharmacol** 1983;25(4):567–8
Omeprazole, a gastric 'proton pump inhibitor': lack of effect on renal handling of electrolytes and urinary acidification. Howden CW, et al. **Eur J Clin Pharmacol** 1984;26(5):639–40
Omeprazole provides protection against experimentally induced gastric mucosal lesions. Mattsson H, et al. **Eur J Pharmacol** 1983 Jul 15;91(1):111–4
Nuclear elongation of dissociated newt spermatids in vitro and their nuclear shortening by antimicrotubule agents. Abé S, et al. **Exp Cell Res** 1984 Sep;154(1):243–55
Effects of Hoechst 33258 on different cell cycle events. I. Inhibition of synthetic activities in bone-marrow cells of the mole rat Bandicota bengalensis. Dubey DD, et al. **Exp Cell Res** 1983 Dec;149(2):419–32
Effects of colchicine, vinblastine and nocodazole on polarity, motility, chemotaxis and cAMP levels of human polymorphonuclear leukocytes. Keller HU, et al. **Exp Cell Res** 1984 Jul;153(1):173–85
Effects of omeprazole, a substituted benzimidazole, on gastrointestinal secretions, serum gastrin, and gastric mucosal blood flow in dogs. Konturek SJ, et al. **Gastroenterology** 1984 Jan;86(1):71–7
Dose-response study of omeprazole on meal-stimulated gastric acid secretion and gastrin release. Londong W, et al. **Gastroenterology** 1983 Dec;85(6):1373–8
Effects of single and repeated doses of omeprazole on gastric acid and pepsin secretion in man. Howden CW, et al. **Gut** 1984 Jul;25(7):707–10
Action of omeprazole (a benzimidazole derivative) on secretory responses to sham feeding and pentagastrin and upon serum gastrin and pancreatic polypeptide in duodenal ulcer patients. Konturek SJ, et al. **Gut** 1984 Jan;25(1):14–8
Effect of single dose of omeprazole on the gastrointestinal peptide response to food. Allen JM, et al. **Hepatogastroenterology** 1984 Feb;31(1):44–6
Comparison of the effect of omeprazole—a substituted benzimidazole—and ranitidine—a potent H2-receptor antagonist—on histamine-induced gastric acid secretion and the ultrastructure of canine parietal cells. Stachura J, et al. **Hepatogastroenterology** 1983 Oct;30(5):205–10
Glutathione-S-transferase, a possible drug-metabolizing enzyme, in Haemonchus contortus: comparative activity of a cambendazole-resistant and a susceptible strain. Kawalek JC, et al. **Int J Parasitol** 1984 Apr;14(2):173–5
Further studies of the effect of selection with levamisole on a benzimidazole resistant population of Ostertagia spp. of sheep. Waller PJ, et al. **Int J Parasitol** 1983 Oct;13(5):463–8
Control of hypobiotic and benzimidazole-resistant nematodes of sheep. Herd RP, et al. **J Am Vet Med Assoc** 1984 Mar 15;184(6):726–30
Observations on mebendazole as a filaricide. Chand P, et al. **J Commun Dis** 1983 Sep;15(3):213–5
Effect of microtubule inhibitors on the expansion of hypoblast and margin of overgrowth of chick blastoderms. Mareel M, et al. **J Embryol Exp Morphol** 1984 Jun;81:273–86
Immunomodulating activity of 3-(p-chlorophenyl)thiazolo-[3,2-a] benzimidazole-2-acetic acid (Wy-18,251, NSC 310633) in mice implanted with Lewis lung tumor. Effect of Wy-18,251 on lymphocyte proliferation and phagocytosis. Fenichel RL, et al. **J Immunopharmacol** 1983;5(4):333–40
Nocodazole inhibits polyI:C induction of interferon by mouse macrophages. Fleit HB. **J Interferon Res** 1983;3(4):479–83
Effect of omeprazole and polyethylene glycol-400 on antipyrine elimination by the isolated perfused rat liver. Webster LK, et al. **J Pharm Pharmacol** 1984 Jul;36(7):470–2
Omeprazole, a long-lasting inhibitor of gastric secretion. Larson GM, et al. **J Surg Res** 1984 May;36(5):503–7
Interaction of Fasciola hepatica with albendazole and its metabolites. Fetterer RH, et al. **J Vet Pharmacol Ther** 1984 Jun;7(2):113–8
Omeprazole inhibits elimination of diazepam [letter] Gugler R, et al. **Lancet** 1984 Apr 28;1(8383):969
Inhibition of drug metabolism by omeprazole [letter] Henry DA, et al. **Lancet** 1984 Jul 7;2(8393):46–7
Energy metabolism of adult Haemonchus contortus in vitro: a comparison of benzimidazole-susceptible and -resistant strains. Bennet EM, et al. **Mol Biochem Parasitol** 1984 Mar; 10(3):335–46
A comparison of the effects of flubendazole and thiabendazole on the larvae of Angiostrongylus cantonensis, Trichinella spiralis, Diphyllobothrium erinacei and Hymenolepis nana in mice. Maki J, et al. **Parasitology** 1983 Dec;87 (Pt 3):525–31
The benzimidazole anthelmintics—chemistry and biological activity. Sharma S, et al. **Prog Drug Res** 1983;27:85–161 (655 ref.)
Arrest of irradiated G1, S, or G2 cells at mitosis using nocodazole promotes repair of potentially lethal damage. Iliakis G, et al. **Radiat Res** 1984 Aug;99(2):346–51
Anthelmintic effect of levamisole, ivermectin, albendazole and fenbendazole on larval Toxocara canis infection in mice. Abo-Shehada MN, et al. **Res Vet Sci** 1984 Jan; 36(1):87–91
The effects of diethylcarbamazine, mebendazole and levamisole on Onchocerca volvulus in vivo and in vitro. Rivas-Alcala R, et al. **Tropenmed Parasitol** 1984 Jun; 35(2):71–7
Efficacy of triclabendazole against Fasciola hepatica in sheep and goats. Wolff K, et al. **Vet Parasitol** 1983 Sep; 13(2):145–50
Anthelmintic efficacy of triclabendazole against Fasciola hepatica in sheep. Turner K, et al. **Vet Rec** 1984 Jan 14; 114(2):41–2
The interaction of arylalkybenzimidazoles and related compounds with microsomal oxidation. Murray M, et al. **Xenobiotica** 1983 Dec;13(12):707–14
[Suppression of acid secretion and plasma level of a once-daily dose of omeprazole] Müller P, et al. **Arzneimittelforsch** 1983;33(12):1685–6 (Eng. Abstr.) **(Ger)**
[Acid secretion and hormone levels after several weeks of omeprazole administration (letter)] Müller P, et al. **Dtsch Med Wochenschr** 1983 Nov 25;108(47):1816 **(Ger)**
[Acid secretion inhibition with new mechanisms of action: substituted benzimidazole] Olbe L, et al. **Schweiz Med Wochenschr** 1984 May 19;114(20):683–5 (Eng. Abstr.) **(Ger)**
[4 weeks' administration of omeprazole: effect on acid behavior and basal hormone levels] Müller P, et al. **Z Gastroenterol** 1984 May;22(5):236–40 (Eng. Abstr.) **(Ger)**
[Omeprazole and inhibition of gastric acid secretion] Rossi G. **Recenti Prog Med** 1984 Apr;75(4):419–21 **(Ita)**
[Effect of administration of sodium nitrite and carbendazim on the level of biogenic amines in the rat brain] Biel-Zielińska A. **Rocz Panstw Zakl Hig** 1983; 34(3):295–300 (Eng. Abstr.) **(Pol)**

POISONING

[Death caused by one tablet of Burgodin (letter)] de Vos JC, et al. **Ned Tijdschr Geneeskd** 1983 Aug 20; 127(34):1552–3 **(Dut)**

THERAPEUTIC USE

Milenperone. A selective drug for the control of behavioral disorders in epileptic and alcoholic patients. Gelders YG, et al. **Acta Psychiatr Belg** 1984 Mar-Apr;84(2):151–9
Albendazole: a new single dose anthelmintic. Study in 1455 patients. Coulaud JP, et al. **Acta Trop (Basel)** 1984 Mar; 41(1):87–90
Cambendazole in the treatment of human strongyloidiasis. Bicalho SA, et al. **Am J Trop Med Hyg** 1983 Sep; 32(5):1181–3
Larvicidal activity of albendazole against Necator americanus in human volunteers. Cline BL, et al. **Am J Trop Med Hyg** 1984 May;33(3):387–94
Long term follow-up of human hydatid disease (Echinococcus granulosus) treated with a high-dose mebendazole regimen. Kammerer WS, et al. **Am J Trop Med Hyg** 1984 Jan;33(1):132–7
Treatment of trichinosis with mebendazole. Levin ML. **Am J Trop Med Hyg** 1983 Sep;32(5):980–3
Mebendazole treatment of Echinococcus granulosus infection. Report of a case. Petersen E, et al. **Am J Trop Med Hyg** 1983 Sep;32(5):1071–4
Albendazole, an effective single dose, broad spectrum anthelmintic drug. Ramalingam S, et al. **Am J Trop Med Hyg** 1983 Sep;32(5):984–9
Treatment of neurocysticercosis with flubendazole. Téllez-Girón E, et al. **Am J Trop Med Hyg** 1984 Jul; 33(4):627–31
Efficacy of triclabendazole against Fasciola hepatica and Fascioloides magna in naturally infected calves. Craig TM, et al. **Am J Vet Res** 1984 Aug;45(8):1644–5
Benzimidazole resistance of equine strongyles: critical tests of several classes of compounds against population B strongyles from 1977 to 1981. Drudge JH, et al. **Am J Vet Res** 1984 Apr;45(4):804–9
Activity of flubendazole against developing stages of Dirofilaria immitis in dogs. Guerrero J, et al. **Am J Vet Res** 1983 Dec;44(12):2405–6
Critical test evaluations of oxfendazole and trichlorfon: effectiveness of a paste formulation in the horse. Presson BL, et al. **Am J Vet Res** 1984 Jun;45(6):1203–4
Efficacy of fenbendazole against migrating Ascaris suum larvae in pigs. Stewart TB, et al. **Am J Vet Res** 1984 May; 45(5):984–6
Anthelmintic efficacy of mebendazole suspension against induced helminth infections in South African sheep and cattle. Van der Westhuizen B, et al. **Am J Vet Res** 1984 Apr;45(4):779–82
Anthelmintic efficacy of fenbendazole against the bovine hookworm Bunostomum phlebotomum. Williams JC, et al. **Am J Vet Res** 1983 Sep;44(9):1644–7
Mebendazole in toxocariasis [letter] Bekhti A. **Ann Intern Med** 1984 Mar;100(3):463
Treatment of ancylostomiasis and ascariasis with Albendazole. Bassily S, et al. **Ann Trop Med Parasitol** 1984 Feb;78(1):81–2
Benzimidazoles in the treatment of trichuriasis: a review. Rossignol JF, et al. **Ann Trop Med Parasitol** 1984 Apr; 78(2):135–44 (48 ref.)
Oxfendazole treatment of horses. Guinan JJ. **Aust Vet J** 1983 Jun;60(6):193–4
Treatment of nematodiasis in poultry and game birds with fenbendazole. Kirsch R. **Avian Dis** 1984 Apr-Jun; 28(2):311–8
Anthelmintic activity of flubendazole in naturally infected geese and the economic importance of deworming. Vanparijs O. **Avian Dis** 1984 Apr-Jun;28(2):526–31
Incidence of helminthic infections and comparative study of pyrantel pamoate with levamisole and mebendazole in hospital patients at Barisal, Bangladesh. Islam AF, et al. **Bangladesh Med Res Counc Bull** 1984 Jun;10(1):29–36
Astemizole, a potent histamine H1-receptor antagonist: effect in allergic rhinoconjunctivitis, on antigen and histamine induced skin weal responses and relationship to serum levels. Howarth PH, et al. **Br J Clin Pharmacol** 1984 Jul; 18(1):1–8
The effect of astemizole on exercise-induced asthma. Clee MD, et al. **Br J Dis Chest** 1984 Apr;78(2):180–3
Omeprazole in duodenal ulceration: acid inhibition, symptom relief, endoscopic healing, and recurrence. Cooperative study. **Br Med J [Clin Res]** 1984 Sep 1;289(6444):525–8
Mechanism of action of antipruritic drugs. Krause L, et al. **Br Med J [Clin Res]** 1983 Oct 22;287(6400):1199–200
Study of albendazole in the treatment of intestinal helminthiasis in Zimbabwe. Chandiwana SK, et al. **Cent Afr J Med** 1983 Nov;29(11):213–5
Sucralfate, bismuth compounds, substituted benzimidazoles, trimipramine and pirenzepine in the short- and long-term treatment of duodenal ulcer. Tytgat GN, et al. **Clin Gastroenterol** 1984 May;13(2):543–68 (168 ref.)
Abdominal hydatid disease: computed tomographic and ultrasound changes during albendazole therapy. Morris DL, et al. **Clin Radiol** 1984 Jul;35(4):297–300
Improvement of metabolic control in diabetic patients during mebendazole administration: preliminary studies. Caprio S, et al. **Diabetologia** 1984 Jul;27(1):52–5
Non-sedative antihistamines: terfenadine and astemizole. **Drug Ther Bull** 1984 Mar 23;22(6):21–3
Mebendazole and surgery for human hydatid disease in Turkana. French CM. **East Afr Med J** 1984 Feb;61(2):113–9
The effects of astemizole on histamine-induced weal and flare. Bateman DN, et al. **Eur J Clin Pharmacol** 1983; 25(4):547–51
Chemotherapy of larval echinococcosis with mebendazole: microsomal liver function and cholestasis as determinants of plasma drug level. Witassek F, et al. **Eur J Clin Pharmacol** 1983;25(1):85–90
Albendazole: a new concept in the control of intestinal helminthiasis. Rossignol JF, et al. **Gastroenterol Clin Biol** 1984 Jun-Jul;8(6-7):569–76 (17 ref.)
Cestodicidal efficacy of mebendazole with particular reference to Diphyllobothrium latum. Mittra S, et al. **Indian J Med Res** 1983 Jul;78:114–7
Oxfendazole: regimen-dependent expression of drug efficacy against Trichinella spiralis. McCracken RO, et al. **Int J Parasitol** 1984 Jun;14(3):277–81
Evaluation of fenbendazole as an extended anthelmintic treatment regimen for swine. Corwin RM, et al. **J Am Vet Med Assoc** 1984 Jul 1;185(1):58–9
A note on the relative merits of metronidazole and mebendazole against dracunculiasis in the field. Paul RC, et al. **J Commun Dis** 1983 Mar;15(1):68–70
Chronic infections with Trichostrongylus colubriformis in lambs: influence of anthelmintic treatment on intestinal morphology and mucosal cell populations. Angus KW, et al. **J Comp Pathol** 1984 Jul;94(3):433–43
Therapeutic effect of Oxfendazole on the intestinal phase of Trichinella spiralis larvae. Michael SA, et al. **J Egypt Soc Parasitol** 1984 Jun;14(1):151–4
Trematodiasis in Turkey: comparative efficacy of triclabendazole and niclofolan against natural infections of Fasciola hepatica and F. gigantica in sheep. Güralp N, et al. **J Helminthol** 1984 Jun;58(2):113–6
Chemoprophylactic activity of flubendazole against Brugia pahangi in jirds. Chusattayanond W, et al. **J Parasitol** 1984 Feb;70(1):191–2
Albendazole: worms and hydatid disease [editorial] **Lancet** 1984 Sep 22;2(8404):675–6
Albendazole for hydatid cysts [letter] Dickson B. **Lancet** 1984 Jan 7;1(8367):57
Albendazole [letter] Puntis MC, et al. **Lancet** 1983 Nov 26; 2(8361):1255–6
Treatment of human strongyloidiasis with Cambendazole, a new anthelminthic. Double-blind study. Barański MC, et al. **Mater Med Pol** 1983 Jan-Jun;15(1-2):36–8
Pump blockers and ulcer disease [editorial] Sachs G. **N Engl J Med** 1984 Mar 22;310(12):785–6
Humoral and cellular immunity in patients with hepatic alveolar echinococcosis. A 2 year follow-up with and

without flubendazole treatment. Vuitton DA, et al. **Parasite Immunol** 1984 Jul;6(4):329–40

Effect of anthelmintic treatment on the productivity of lambs infected with the intestinal nematode, Trichostrongylus colubriformis. Coop RL, et al. **Res Vet Sci** 1984 Jan; 36(1):71–5

Effect of whole herd anthelmintic treatment on milk production of dairy cows. Thomas GW, et al. **Res Vet Sci** 1984 May;36(3):266–9

Albendazole in the treatment of opisthorchiasis and concomitant intestinal helminthic infections. Pungpark S, et al. **Southeast Asian J Trop Med Public Health** 1984 Mar; 15(1):44–50

Comparative trial of two non-sedative H1 antihistamines, terfenadine and astemizole, for hay fever. Howarth PH, et al. **Thorax** 1984 Sep;39(9):668–72

The anthelmintic effects of flubendazole on Trichuris trichiura and Ascaris lumbricoides. Kan SP. **Trans R Soc Trop Med Hyg** 1983;77(5):668–70

Albendazole: placebo–controlled study in 870 patients with intestinal helminthiasis. Rossignol JF, et al. **Trans R Soc Trop Med Hyg** 1983;77(5):707–11

Treatment of Dipetalonema perstans infections with mebendazole [letter] Wahlgren M, et al. **Trans R Soc Trop Med Hyg** 1983;77(3):422–3

Comparative efficacy of some benzimidazoles and amoscanate (Go.9333) against experimental filarial infections. Reddy AB, et al. **Tropenmed Parasitol** 1983 Dec; 34(4):259–62

Treatment of immature and mature Fasciola hepatica infections in sheep with triclabendazole. Boray JC, et al. **Vet Rec** 1983 Oct 1;113(14):315–7

Treatment of lungworm disease in the cat with fenbendazole. Hamilton JM, et al. **Vet Rec** 1984 Jan 14;114(2):40–1

Treatment of taenia with albendazole [letter] Kassai T, et al. **Vet Rec** 1984 Mar 24;114(12):303

Liver alveolar hydatidosis in the Xinjiang autonomous region. Yao PL. **World J Surg** 1983 Jul;7(4):511–8

Determination of parasite–specific immunoglobulins using the ELISA in patients with echinococcosis treated with mebendazole. Gottstein B, et al. **Z Parasitenkd** 1984; 70(3):385–9

[Conservative therapy of echinococcosis—possibilities and limitations] Todorov T, et al. **Khirurgiia (Sofiia)** 1983; 36(5):435–40 (44 ref.) **(Bul)**

[A preliminary observation on the effect of mebendazole in the treatment of 15 cases of taeniasis] Hou YS. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1983;1(2):105 **(Chi)**

[Mebendazole treatment of hydatidosis] Willumsen L, et al. **Ugeskr Laeger** 1984 Feb 6;146(6):413–5 (Eng. Abstr.) **(Dan)**

[Hydatic cyst of the pelvis. Failure of treatment with flubendazole] Gallais H, et al. **Bull Soc Pathol Exot Filiales** 1983 Nov;76(5):709–12 (Eng. Abstr.) **(Fre)**

[Flubendazole in human Echinococcus granulosus hydatidosis. Preoperative care: parasit–pharmacologic study] Piens MA, et al. **Bull Soc Pathol Exot Filiales** 1984 Jan–Feb;77(1):69–80 (Eng. Abstr.) **(Fre)**

[Treatment of human alveolar echinococcosis with flubendazole. Clinical, morphological and immunological study] Lassègue A, et al. **Gastroenterol Clin Biol** 1984 Apr; 8(4):314–20 (Eng. Abstr.) **(Fre)**

[Medical treatment of human echinococcosis: current status] Saimot AG. **Gastroenterol Clin Biol** 1984 Apr;8(4):305–7 **(Fre)**

[Value of flubendazole in the treatment of toxocariasis (letter)] Dutoit E, et al. **Presse Med** 1983 Oct 29;12(38):2396 **(Fre)**

[Experiences with fenbendazole in the treatment of oxyuriasis in an experimental animal colony] Nicklas W, et al. **Berl Munch Tierarztl Wochenschr** 1984 Jan 1;97(1):21–4 (Eng. Abstr.) **(Ger)**

[Chemotherapy of human echinococcosis] Bähr R, et al. **Chirurg** 1984 Feb;55(2):114–6 (Eng. Abstr.) **(Ger)**

[Substituted benzimidazole, inhibiting substance of K+/H+ ATPase of parietal cells—a new principle in the treatment of peptic ulcer] Sewing KF. **Internist (Berlin)** 1983 Dec; 24(12):680–3 **(Ger)**

[Substituted benzimidazoles—a new dimension in ulcer therapy?] Fimmel CJ, et al. **Wien Klin Wochenschr** 1984 Feb 17;96(4):149–53 (Eng. Abstr.) **(Ger)**

[Progress in the treatment of hydatidosis] Pasta V, et al. **Ann Ital Chir** 1983;55(2):201–9 **(Ita)**

[Prospects of combined drug therapy and surgery in hydatidosis] Casolo P, et al. **Minerva Chir** 1983 Oct 15; 38(19):1385–9 **(Ita)**

[Treatment of ancylostomiasis, ascaridiasis and trichocephaliasis with albendazole or mebendazole] Amato Neto V, et al. **Rev Inst Med Trop Sao Paulo** 1983 Nov–Dec; 25(6):294–9 (Eng. Abstr.) **(Por)**

[Experimental chemotherapy of alveolar hydatid disease. VIII. The comparative effectiveness and toxicity of nocodazole and mebendazole] Dzhabarova VI, et al. **Med Parazitol (Mosk)** 1983 Sep–Oct;(5):65–8 (Eng. Abstr.) **(Rus)**

[Etiologic treatment and prevention of trichinosis using mebendazole] Mittermayer T, et al. **Cas Lek Cesk** 1984 Mar 30;123(13):384–6 (Eng. Abstr.) **(Slo)**

[Chemotherapy of onchocerciasis: use of mebendazole at the community level] Domínguez Vázquez A, et al. **Salud Publica Mex** 1984 May–Jun;26(3):263–70 (Eng. Abstr.) **(Spa)**

TOXICITY

Nocodazole and cytochalasin D induce tetraploidy in mammalian cells. Zieve GW. **Am J Physiol** 1984 Jan;246(1 Pt 1):C154–6

Evaluation of the effect of oxfendazole on sperm production and semen quality in boars. Larsson B, et al. **Int J Androl** 1983 Aug;6(4):393–400

A correlation of toxicity of albendazole and oxfendazole with their free metabolites and bound residues. Delatour P, et al. **J Vet Pharmacol Ther** 1984 Jun;7(2):139–45

Safety of fenbendazole use in cattle. Muser RK, et al. **Mod Vet Pract** 1984 May;65(5):371–4

[Mutagenicity of methyl 2—benzimidazole carbamate (carbendazim) in the in vivo and in vitro tests] Cybulski J, et al. **Rocz Panstw Zakl Hig** 1983;34(4):403–11 (Eng. Abstr.) **(Pol)**

[Gonadotoxic action of methyl–N–(2–benzimidazolyl)carbamate with a probability assessment of its effective concentrations] Pastushenko TV. **Gig Sanit** 1983 Jul;(7):83–5 **(Rus)**

BENZIODARONE see under **BENZOFURANS**

BENZOATES

Expanded solubility parameter approach. I: Naphthalene and benzoic acid in individual solvents. Beerbower A, et al. **J Pharm Sci** 1984 Feb;73(2):179–88

[Disinfection of silicone impressions, the study of their form stability and compatibility with plaster of Paris] Bössmann K, et al. **Dtsch Zahnarztl Z** 1983 Aug;38(8):742–8 (Eng. Abstr.) **(Ger)**

ADMINISTRATION & DOSAGE

Preparation of caffeine and sodium benzoate injection [letter] Loeb AJ. **Am J Hosp Pharm** 1983 Dec;40(12):2120

Hyperargininemia: clinical course and treatment with sodium benzoate and phenylacetic acid. Mizutani N, et al. **Brain Dev** 1983;5(6):555–63

Treatment of hyperargininemia with sodium benzoate and arginine–restricted diet. Qureshi IA, et al. **J Pediatr** 1984 Mar;104(3):473–6

Operation dunking—a new dimension to scabies control. Fernandez RJ, et al. **J Postgrad Med** 1984 Jan;30(1):20–2

[Electrophoresis of drugs in the complex treatment of patients with the glossalgia syndrome] Dychko EN. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 Nov–Dec; (6):46–7 **(Rus)**

ADVERSE EFFECTS

Prostaglandins in contact urticaria induced by benzoic acid. Lahti A, et al. **Acta Derm Venereol (Stockh)** 1983; 63(5):425–7

Inadvisability of using caffeine and sodium benzoate in neonates [letter] Edwards RC, et al. **Am J Hosp Pharm** 1984 Apr;41(4):658, 660

ANALYSIS

Quantitative analysis of ether–linked lipids as alkyl– and alk–1–enyl–glycerol benzoates by high–performance liquid chromatography. Blank ML, et al. **Anal Biochem** 1983 Sep; 133(2):430–6

CHEMICAL SYNTHESIS

'Inverse' type of synthetic inhibitors of trypsin, S–omega–aminoalkyl thioesters. Kunieda T, et al. **Chem Pharm Bull (Tokyo)** 1983 Sep;31(9):3360–2

DIAGNOSTIC USE

A study of 11C–benzoate as a radiopharmaceutical for renal imaging. Sun QX, et al. **Nuklearmedizin** 1984 Apr; 23(2):75–6

[Study of the antitoxic function of the liver using 131I–sodium benzoate in esophageal cancer] Kanaf'ianov GS, et al. **Med Radiol (Mosk)** 1984 Mar;29(3):24–6 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Cross–desensitization between aspirin and benzoate in asthma [letter] Naeije N, et al. **Lancet** 1983 Oct 29;2(8357):1035–6

METABOLISM

Models for mineralization kinetics with the variables of substrate concentration and population density. Simkins S, et al. **Appl Environ Microbiol** 1984 Jun;47(6):1299–306

Benzylamine metabolism at low O2 concentrations. Relative sensitivities of monoamine oxidase, aldehyde dehydrogenase and hippurate synthesis to hypoxia. Jones DP. **Biochem Pharmacol** 1984 Feb 1;33(3):413–7

Potentiation by piridoxilate of the synthesis of hippurate from benzoate in isolated rat hepatocytes. An approach to the determination of new pathways of nitrogen excretion in inborn errors of urea synthesis. Coude FX, et al. **Clin Chim Acta** 1984 Jan 31;136(2–3):211–7

Metabolism of 3–phenoxybenzoic acid in isolated rat hepatocytes and renal tubule fragments. Huckle KR, et al. **Drug Metab Dispos** 1984 Mar–Apr;12(2):264–5

Characterization of a TOL–like plasmid from Alcaligenes eutrophus that controls expression of a chromosomally encoded p–cresol pathway. Hughes EJ, et al. **J Bacteriol** 1984 Apr;158(1):73–8

Evidence for isofunctional enzymes in the degradation of phenol, m– and p–toluate, and p–cresol via catechol meta–cleavage pathways in Alcaligenes eutrophus. Hughes EJ, et al. **J Bacteriol** 1984 Apr;158(1):79–83

Effect of sodium on transport of weak electrolytes across rat jejunum in vitro. Jackson MJ. **J Physiol (Lond)** 1984 Mar;348:417–29

PHARMACODYNAMICS

Effect of sodium benzoate on polymorphonuclear leukocyte function. Johansen KS, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1983 Dec; 91(6):361–5

Studies on the mechanism of the antifungal action of benzoate. Krebs HA, et al. **Biochem J** 1983 Sep 15; 214(3):657–63

Electronic effects in the acylation of alpha–chymotrypsin by substituted N–benzoylimidazoles. Kogan RL, et al. **Biochemistry** 1984 Jun 19;23(13):2983–9

Effect of sodium benzoate on the cutaneous bilirubin content of the adult Gunn rat. Bessard G, et al. **Biol Neonate** 1983; 44(5):315–20

Response characteristics of rat taste cells to potassium benzoate. Sato T, et al. **Comp Biochem Physiol [A]** 1983; 76(4):777–81

Influence of 13–cis retinoic acid and of arotinoid on the cytochrome P–450 system in rat liver. Goerz G, et al. **Dermatologica** 1984;168(3):117–21

Effect of benzoate on glycine metabolism in rats fed branched–chain alpha–ketoacids. Hauschildt S, et al. **J Nutr** 1983 Oct;113(10):1956–62

Inhibition of prostaglandin E2 release by salicylates, benzoates and phenols: a quantitative structure–activity study. Habicht J, et al. **J Pharm Pharmacol** 1983 Nov; 35(11):718–23

Effects of trimebutine maleate (TM–906) on the spontaneous contraction of isolated guinea pig colon. Takenaga H, et al. **Jpn J Pharmacol** 1984 Feb;34(2):177–81

New facts about fungi in food and feet [editorial] **Lancet** 1983 Nov 12;2(8359):1124–5

Thiopurine methyltransferase. Aromatic thiol substrates and inhibition by benzoic acid derivatives. Woodson LC, et al. **Mol Pharmacol** 1983 Nov;24(3):471–8

Acetonyl esters as antibacterial agents. Erhun WO. **Pharmazie** 1983 Nov;38(11):790

[Mechanism of virus inactivation by peracids] Sporkenbach–Höffler J, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Sep; 177(6):469–81 (Eng. Abstr.) **(Ger)**

[Inhibitors of nitrite oxidation of hemoglobin] Kostenko LKh, et al. **Biokhimiia** 1983 Sep;48(9):1437–40 (Eng. Abstr.) **(Rus)**

[Nature of the dual caffeine–sodium benzoate effect on the tonic component of the potassium contracture of the myocardium in the frog] Mukumov MR, et al. **Fiziol Zh SSSR** 1984 Feb;70(2):180–5 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Therapeutic effect of arotinoid Ro 13–6298 in psoriasis. Ott F, et al. **Arch Dermatol Res** 1983;275(4):257–8

The effects of a novel potent oral retinoid (Rol3–6298) in the treatment of multiple solar keratoses and squamous cell epithelioma. Kingston T, et al. **Eur J Cancer Clin Oncol** 1983 Sep;19(9):1201–5

Treatment of lichen sclerosus with potassium para–aminobenzoate. Penneys NS. **J Am Acad Dermatol** 1984 Jun;10(6):1039–42

Activity of the glycine cleavage system in hyperammonemia treated with benzoate. Kodama H, et al. **Tohoku J Exp Med** 1983 Jul;140(3):337–8

Novel approach to scabies control. Bhalerao VR, et al. **Trop Doct** 1984 Jan;14(1):41–3

[Effect of trimebutine in vesical instability (letter)] Savatovsky I, et al. **Presse Med** 1984 Jun 16;13(25):1575 **(Fre)**

[Chemotherapy of cutaneous T–cell lymphomas with arotinoid] Mahrle G, et al. **Dtsch Med Wochenschr** 1983 Nov 18;108(46):1753–7 (Eng. Abstr.) **(Ger)**

TOXICITY

Toxicity of dicamba (2–methoxy–3,6–dichlorobenzoic acid) to Azotobacter vinelandii. Gonzalez–Lopez J, et al. **Folia Microbiol (Praha)** 1984;29(2):127–30

Lack of tumorigenicity of sodium benzoate in mice. Toth B. **Fundam Appl Toxicol** 1984 Jun;4(3 Pt 1):494–6

[Hygienic characteristics of working conditions during the production and use of BMEA anticorrosive paper] Korolenko TK. **Gig Tr Prof Zabol** 1984 Apr;(4):29–33 (Eng. Abstr.) **(Rus)**

BENZOCAINE

ADVERSE EFFECTS

Methemoglobinemia associated with benzocaine–containing

lubricant. Kellett PB, et al. **Anesthesiology** 1983 Nov; 59(5):463–4
Infantile methemoglobinemia induced by a topical anesthetic, Cetacaine. Seibert RW, et al. **Laryngoscope** 1984 Jun; 94(6):816–7

THERAPEUTIC USE

The efficacy of topical anesthetics in reducing intraoral discomfort. Graser GN. **Oral Surg** 1984 Jul;58(1):42–6
[Treatment of gastroduodenal ulcer with inhibitors of beta-adrenergic and gastric sensory receptors. Experimental and clinical study with the 'Proxizin' preparation] Banciu T, et al. **Rev Med Interna [Med Interna]** 1983 Mar–Apr;35(2):153–66 (Eng. Abstr.) **(Rum)**

BENZOCTAMINE

PHARMACODYNAMICS

On acute effects of some drugs on the higher nervous activity in man. Benzoctamine (10 mg), sodium hydroxybutyrate (2 g), fencamfamine (10 mg). Hrbek J, et al. **Acta Univ Palacki Olomuc Fac Med** 1980;94:249–86

BENZOCYCLOHEPTENES

Resorcinol congeners of dopamine derived from benzocycloheptene and indan. Cannon JG, et al. **J Med Chem** 1984 Feb;27(2):186–9

CHEMICAL SYNTHESIS

Catechol derivatives of 6-aminobenzocycloheptene: assessment of dopaminergic effects. Cannon JG, et al. **J Med Chem** 1984 Jul;27(7):922–3
Stereochemical considerations and the antiinflammatory activity of 6-amino-6,7,8,9-tetrahydro-5H-benzocyclohepten-5-ols and related derivatives. Wong SC, et al. **J Med Chem** 1984 Jan;27(1):20–7

BENZODIAZEPINE TRANQUILIZERS

Oral bromazepam in premedication. A comparison with diazepam. Chalmers P, et al. **Anaesthesia** 1984 Apr; 39(4):370–2
Sedation for local anaesthesia. Comparison of intravenous midazolam and diazepam. Dixon J, et al. **Anaesthesia** 1984 Apr;39(4):372–6
Benzodiazepine dependence [letter] McEwen J. **Aust NZ J Psychiatry** 1983 Jun;17(2):197
Objective determination of benzodiazepine use and abuse in alcoholics. Busto U, et al. **Br J Addict** 1983 Dec; 78(4):429–35
Comparison of the i.v. administration of midazolam and diazepam as sedation during spinal anaesthesia. McClure JH, et al. **Br J Anaesth** 1983 Nov;55(11):1089–93
A randomized comparison of midazolam and diazepam for sedation in upper gastrointestinal endoscopy. Magni VC, et al. **Br J Anaesth** 1983 Nov;55(11):1095–101
Midazolam bibliography. **Br J Clin Pharmacol** 1983;16 Suppl 1:191S–199S
Proceedings of the First International Sleep Symposium on Midazolam. 25–26 June 1981, St Moritz, Switzerland. **Br J Clin Pharmacol** 1983;16 Suppl 1:1S–199S
Chemical structure and biological activity of the diazepines. Danneberg P, et al. **Br J Clin Pharmacol** 1983;16 Suppl 2:231S–244S (28 ref.)
Midazolam and anaesthesia. Gemperle M, et al. **Br J Clin Pharmacol** 1983;16 Suppl 1:187S–190S
Chemical structure and properties of midazolam compared with other benzodiazepines. Gerecke M. **Br J Clin Pharmacol** 1983;16 Suppl 1:11S–16S
Benzodiazepines on trial [letter] **Br Med J [Clin Res]** 1984 May 5;288(6427):1378–9
Intravenous sedation for upper gastrointestinal endoscopy: diazepam versus midazolam. Bardhan KD, et al. **Br Med J [Clin Res]** 1984 Apr 7;288(6423):1046
Recommendations for data sheets on benzodiazepines ignored [letter] Murray D, et al. **Br Med J [Clin Res]** 1984 Mar 3;288(6418):717
Benzodiazepines on trial [editorial] Tyrer PJ. **Br Med J [Clin Res]** 1984 Apr 14;288(6424):1101–2
The dependence potential of benzodiazepines. de Wit H, et al. **Curr Med Res Opin** 1984;8 Suppl 4:48–59
Dependence liability of the benzodiazepines. Ladewig D. **Drug Alcohol Depend** 1984 Mar;13(2):139–49
The nature and extent of benzodiazepine abuse: an overview of recent literature. Dietch J. **Hosp Community Psychiatry** 1983 Dec;34(12):1139–45
Benzodiazepines. Miller R. **Mt Sinai J Med (NY)** 1983 Jul–Aug;50(4):289–94 (53 ref.)
Abuse of benzodiazepines in western European society—incidence and prevalence, motives, drug acquisition. Ladewig D. **Pharmacopsychiatria** 1983 Jul; 16(4):103–6
Pharmacological properties of new heterocyclic derivatives of 1,5-benzodiazepine. Wilimowski M, et al. **Pol J Pharmacol Pharm** 1983;35(2):89–102
Identification and management of benzodiazepine dependence. Tyrer PJ, et al. **Postgrad Med J** 1984;60 Suppl 2:41–6
Benzodiazepine dependence. Lader M. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(1):85–95
[Benzodiazepine addition, our iatrogenic epidemic—157 cases of benzodiazepine dependence] Binder W, et al. **Off Gesundheitswes** 1984 Feb;46(2):80–6 **(Ger)**
[Benzodiazepine addiction] Vujošević K, et al. **Vojnosanit Pregl** 1983 Nov–Dec;40(6):446–7, 452 **(Scr)**
[Effect of the external form of bromazepam crystals on its dissolution velocity] Lorduy Osés L. **Farmaco [Prat]** 1983 Aug;38(8):293–305 (Eng. Abstr.) **(Spa)**
[Camazepam: evaluation as an oral anesthetic premedication] Sánchez Ortega JL, et al. **Rev Esp Anestesiol Reanim** 1983 Sep–Oct;30(5):204–7 (Eng. Abstr.) **(Spa)**
[Alprazolam] Cuena Boy R, et al. **Rev Med Univ Navarra** 1984 Mar;28(1):55–6 **(Spa)**

ADMINISTRATION & DOSAGE

Midazolam dosage studies in institutionalized geriatric patients. Beck H, et al. **Br J Clin Pharmacol** 1983;16 Suppl 1:133S–137S
Benzodiazepines on trial [letter] Price DE, et al. **Br Med J [Clin Res]** 1984 May 19;288(6429):1534
Premedication with intramuscular midazolam: effect on induction time with intravenous midazolam compared to intravenous thiopentone or ketamine. Artru AA, et al. **Can Anaesth Soc J** 1984 Jul;31(4):359–63
A comparative double-blind study of loprazolam, 1 mg and 2 mg, versus placebo in anxiety-induced insomnia. Botter PA. **Curr Med Res Opin** 1983;8(9):626–30
Short-term versus long-term benzodiazepine therapy. Lader M. **Curr Med Res Opin** 1984;8 Suppl 4:120–6
The role of general practitioner research groups in the study of benzodiazepines. Harris PG. **Encephale** 1983;9(4 Suppl 2):261B–265B
Single and multiple dose kinetics of clobazam, and clinical effects during multiple dosage. Ochs HR, et al. **Eur J Clin Pharmacol** 1984;26(4):499–503
Scheduling benzodiazepines [letter] Harris PA. **Lancet** 1984 Apr 7;1(8380):797
Clorazepate dipotassium and diazepam in renal insufficiency: serum concentrations and protein binding of diazepam and desmethyldiazepam. Ochs HR, et al. **Nephron** 1984; 37(2):100–4
[Plasma concentrations and clinical activity of benzodiazepines] Boyer P. **Encephale** 1983;9(4 Suppl 2):59B–65B (Eng. Abstr.) **(Fre)**
[Benzodiazepines. Long-term prescription and withdrawal] Feline A, et al. **Encephale** 1983;9(4 Suppl 2):103B–108B (Eng. Abstr.) **(Fre)**
[Consumption of benzodiazepines: good and bad uses] Ginestet D. **Encephale** 1983;9(4 Suppl 2):97B–101B (Eng. Abstr.) **(Fre)**
[Use of benzodiazepines in anesthesia and resuscitation] Lepresle E, et al. **Encephale** 1983;9(4 Suppl 2):267B–271B (Eng. Abstr.) **(Fre)**
[Value of dogmatil in schizophrenic states in the adolescent] Dalery J, et al. **Neuropsychiatr Enfance Adolesc** 1984 Feb–Mar;32(2–3):135–7 (Eng. Abstr.) **(Fre)**
[Triazolam and flunitrazepam in a double-blind cross-over trial] Pöldinger W. **Ther Umsch** 1983 Sep;40(9):810–6 (Eng. Abstr.) **(Ger)**
[Clinical effectiveness of clorazepate dipotassium (Tranxilium 20), used in a single daily dose, in neurotic disorders] Rybakowski J, et al. **Psychiatr Pol** 1983;17(1):25–9 (Eng. Abstr.) **(Pol)**
[Pharmacological correction of traumatic brain edema] Novikov VE, et al. **Farmakol Toksikol** 1984 Jan–Feb; 47(1):34–7 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Rebound anxiety in anxious patients after abrupt withdrawal of benzodiazepine treatment. Fontaine R, et al. **Am J Psychiatry** 1984 Jul;141(7):848–52
Emergence of hostility during alprazolam treatment. Rosenbaum JF, et al. **Am J Psychiatry** 1984 Jun; 141(6):792–3
Buprenorphine, benzodiazepines and respiratory depression [letter] Faroqui MH, et al. **Anaesthesia** 1983 Oct; 38(10):1002–3
Benzodiazepine withdrawal: an unfinished story. Ashton H. **Br Med J [Clin Res]** 1984 Apr 14;288(6424):1135–40
Objective and subjective assessment of hangover during subacute administration of temazepam and nitrazepam to healthy subjects. Mattila MJ, et al. **Eur J Clin Pharmacol** 1984;26(3):375–80
Comparison of the reinforcing properties of zopiclone and triazolam in former alcoholics. Bechelli LP, et al. **Int Pharmacopsychiatry** 1982;17 Suppl 2:235–41
Studies on the dependence-inducing potential of zopiclone and triazolam. Boissl K, et al. **Int Pharmacopsychiatry** 1982; 17 Suppl 2:242–7
Adverse reactions to triazolam, flurazepam, and placebo in controlled clinical trials. Greenblatt DJ, et al. **J Clin Psychiatry** 1984 May;45(5):192–5
Delirium and seizures due to abrupt alprazolam withdrawal: case report. Levy AB. **J Clin Psychiatry** 1984 Jan; 45(1):38–9
Benzodiazepine overuse-misuse [editorial] Shader RI, et al. **J Clin Psychopharmacol** 1984 Jun;4(3):123–4
Triazolam and anterograde amnesia: all is not well in the Z-zone [editorial] Shader RI, et al. **J Clin Psychopharmacol** 1983 Oct;3(5):273
Adverse drug reaction after administration of influenza vaccine. Solomon R, et al. **J Med Soc NJ** 1984 Jul; 81(7):573–4
Withdrawal after substitution of a short-acting for a long-acting benzodiazepine. Conell LJ, et al. **JAMA** 1983 Nov 25;250(20):2838–40
Withdrawal from benzodiazepines [letter] Jones SD. **JAMA** 1984 Jun 8;251(22):2928
Alprazolam-related hepatotoxicity [letter] Roy-Byrne P, et al. **Lancet** 1983 Oct 1;2(8353):786–7
Comparison of the reinforcing properties of zopiclone and triazolam in former alcoholics. Bechelli LP, et al. **Pharmacology** 1983;27 Suppl 2:235–41
Studies on the dependence-inducing potential of zopiclone and triazolam. Boissl K, et al. **Pharmacology** 1983;27 Suppl 2:242–7
Benzodiazepine-related convulsions [letter] Aselton P, et al. **Pharmacotherapy** 1984 May–Jun;4(3):164
Computed axial brain tomography in long-term benzodiazepine users. Lader MH, et al. **Psychol Med** 1984 Feb;14(1):203–6
Effect of loprazolam and of triazolam on psychological functions. Morgan K, et al. **Psychopharmacology (Berlin)** 1984;82(4):386–8
Psychometric performance during withdrawal from long-term benzodiazepine treatment. Petursson H, et al. **Psychopharmacology (Berlin)** 1983;81(4):345–9
Are the amplitudes of visual evoked potentials sensitive indices of hangover effects after repeated doses of benzodiazepines? Kulikowski JJ, et al. **Psychopharmacology Suppl** 1984;1:154–64
Are electroencephalographic and psychomotor measures sensitive in detecting residual sequelae of benzodiazepine hypnotics? Ott H. **Psychopharmacology Suppl** 1984;1:133–51
[Skin disorders caused by the use of camazepam (Albego)] Stricker BH. **Ned Tijdschr Geneeskd** 1984 May 5; 128(18):870–2 (Eng. Abstr.) **(Dut)**
[Side effects of anxiolytic chemotherapy and prospects for the future] Scharbach H. **Ann Med Psychol (Paris)** 1983 Nov;141(9):998–1005 **(Fre)**
[Benzodiazepines, alcohol and effects on vigilance] Barrucand D. **Encephale** 1983;9(4 Suppl 2):117B–122B (Eng. Abstr.) **(Fre)**

ANALYSIS

Metal complexes of 1,4-benzodiazepines. V - Determination of bromazepam in drugs by atomic absorption spectrophotometry. Gonzalez-Perez C, et al. **Farmaco [Prat]** 1983 Oct;38(10):383–90
The determination of the triazolobenzodiazepine triazolam in post mortem samples. Wong RJ. **J Anal Toxicol** 1984 Jan–Feb;8(1):10–3
Identification of some interferences in the analysis of clorazepate. Suzuki EM, et al. **J Forensic Sci** 1983 Jul; 28(3):655–82
Comparison between radio-immuno-assay and radio-receptor-assay for the measurement of benzodiazepines in biological samples. Jacqmin P, et al. **J Pharm Belg** 1984 Jan–Feb;39(1):5–14

ANTAGONISTS & INHIBITORS

Antagonists of benzodiazepines: functional aspects. Haefely W. **Adv Biochem Psychopharmacol** 1983;38:73–93
Pharmacological and behavioural studies of benzodiazepine antagonists and contragonists. Nutt D. **Adv Biochem Psychopharmacol** 1983;38:153–73
Distinct behavioral and pharmacological effects of two benzodiazepine antagonists: Ro 15-1788 and methyl beta-carboline. Prado de Carvalho L, et al. **Adv Biochem Psychopharmacol** 1983;38:175–87
Antagonists of benzodiazepines. Haefely W. **Encephale** 1983; 9(4 Suppl 2):143B–150B (21 ref.)
Inhibitors of peripheral-type benzodiazepine receptors present in human urine and plasma ultrafiltrates. Beaumont K, et al. **Life Sci** 1983 Oct 3;33(14):1375–84
Absence of intrinsic antagonist actions of benzodiazepine antagonists on an exploratory model of anxiety in the mouse. Crawley JN, et al. **Neuropharmacology** 1984 May; 23(5):531–7

BLOOD

Relationship between plasma concentration and effect of midazolam after oral and intravenous administration. Crevoisier C, et al. **Br J Clin Pharmacol** 1983;16 Suppl 1:51S–61S
Pharmacokinetics of triazolam in geriatric patients. Dehlin O, et al. **Eur J Clin Pharmacol** 1983;25(1):91–4
High-performance liquid chromatographic determination of bromazepam in human plasma. Hirayama H, et al. **J Chromatogr** 1983 Oct 14;277:414–8
Alprazolam pharmacokinetics in alcoholic liver disease. Juhl RP, et al. **J Clin Pharmacol** 1984 Feb–Mar;24(2–3):113–9
Pharmacokinetic noninteraction of triazolam and ethanol. Ochs HR, et al. **J Clin Psychopharmacol** 1984 Apr; 4(2):106–7
A pharmacokinetic/pharmacodynamic/receptor binding model to predict the onset and duration of pharmacological activity of the benzodiazepines. Jack ML, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1983;

7(4–6):629–35

Introduction to the pharmacokinetics and pharmacodynamics of benzodiazepines. McKenzie SG.
Prog Neuropsychopharmacol Biol Psychiatry 1983; 7(4–6):623–7

Plasma concentrations of benzodiazepines—a review of clinical findings and implications. Norman TR, et al.
Prog Neuropsychopharmacol Biol Psychiatry 1984; 8(1):115–26

Lormetazepam—plasma concentrations in volunteers following sublingual and oral dosing. Luscombe DK.
Psychopharmacology Suppl 1984;1:99–104

Determination of nitrazepam and temazepam in plasma by high-performance liquid chromatography. Ho PC, et al.
Ther Drug Monit 1983;5(3):303–7

[Drug analysis using polarographic methods. 23. Polarographic determination (DPP and CRP) of triazolam in plasma and serum] Oelschläger H, et al.
Arch Pharm (Weinheim) 1984 Jan;317(1):69–73 (Eng. Abstr.) **(Ger)**

[Pharmacokinetics and metabolite pattern of tetrazepam and chlordesmethyldiazepam] Staak M, et al.
Beitr Gerichtl Med 1984;42:75–9 (Eng. Abstr.) **(Ger)**

[Recent benzodiazepines and their pharmacokinetic properties] Knüchel M, et al. **Med Welt** 1984 Jan 20; 35(3):74–80 **(Ger)**

[Methods of detection and determination of neurotropic drugs in the blood of persons driving motor vehicles. II. Detection and determination of various benzodiazepine derivatives in the human blood by gas chromatography] Kaniewska T. **Acta Pol Pharm** 1983;40(4):445–53 (Eng. Abstr.) **(Pol)**

CEREBROSPINAL FLUID

Serum and cerebrospinal fluid concentration of clobazam and N-desmethylclobazam. Laux G, et al.
Int J Clin Pharmacol Ther Toxicol 1984 Jul;22(7):355–9

In vitro correlates of benzodiazepine cerebrospinal fluid uptake, pharmacodynamic action and peripheral distribution. Arendt RM, et al. **J Pharmacol Exp Ther** 1983 Oct;227(1):98–106

CHEMICAL SYNTHESIS

[1,5-benzodiazepines. V. Synthesis of pyrazolo (3,4-b)(1,5)benzodiazepines and 5H-pyrimido(4,5-b)(1,5)benzodiazepines] Roma G, et al.
Farmaco [Sci] 1983 Aug;38(8):546–58 (Eng. Abstr.) **(Ita)**

CLASSIFICATION

The classification of benzodiazepine hypnotics. Pierce DM, et al. **Br J Clin Pharmacol** 1983 Sep;16(3):345–7

METABOLISM

Cimetidine interaction with dipotassium clorazepate disposition in the anesthetized dog. Colin P, et al.
Arch Int Pharmacodyn Ther 1984 Mar;268(1):12–24

Bioavailability of bromazepam in man after single administration of an oral solution. Ascalone V, et al.
Arzneimittelforsch 1984;34(1):96–8

Detection and determination of active metabolites of 1-(2-o-chlorobenzoyl-4-chlorophenyl)-5-glycyl-aminom l-carbamoyl-1H-1,2,4-triazole hydrochloride dihydrate, (450191-S), in rat tissues, using a radioreceptor assay for benzodiazepines. Fujimoto M, et al. **Biochem Pharmacol** 1984 May 15;33(10):1645–51

Clinical pharmacokinetics of hypnotic benzodiazepines: a summary. Breimer DD, et al. **Br J Clin Pharmacol** 1983; 16 Suppl 2:277S–278S

Pharmacokinetics and bioavailability of midazolam in man. Heizmann P, et al. **Br J Clin Pharmacol** 1983;16 Suppl 1:43S–49S

Comparative pharmacokinetics of brotizolam and triazolam in healthy subjects. Jochemsen R, et al.
Br J Clin Pharmacol 1983;16 Suppl 2:291S–297S

Differential effect of isoniazid on triazolam oxidation and oxazepam conjugation. Ochs HR, et al.
Br J Clin Pharmacol 1983 Dec;16(6):743–6

Pharmacodynamic correlates of modified absorption: studies with lormetazepam. Pierce DM, et al.
Br J Clin Pharmacol 1984 Jul;18(1):31–5

The influence of obesity on the pharmacokinetics of oral alprazolam and triazolam. Abernethy DR, et al.
Clin Pharmacokinet 1984 Mar-Apr;9(2):177–83

Time-dependence in benzodiazepine pharmacokinetics. Mechanisms and clinical significance. Guentert TW.
Clin Pharmacokinet 1984 May-Jun;9(3):203–10 (32 ref.)

Multiple-dose halazepam kinetics. Chung M, et al.
Clin Pharmacol Ther 1984 Jun;35(6):838–42

Triazolam protein binding and correlation with alpha-1 acid glycoprotein concentration. Kroboth PD, et al.
Clin Pharmacol Ther 1984 Sep;36(3):379–83

Benzodiazepine drug-drug interactions commonly occurring in clinical practice. Abernethy DR, et al.
Curr Med Res Opin 1984;8 Suppl 4:80–93

Long-acting and short-acting benzodiazepines in the elderly: kinetic differences and clinical relevance. Bandera R, et al. **Curr Med Res Opin** 1984;8 Suppl 4:94–107

Pharmacokinetics of benzodiazepines: metabolic pathways and plasma level profiles. Jochemsen R, et al.
Curr Med Res Opin 1984;8 Suppl 4:60–79

Metabolic fate of premazepam, a new anti-anxiety drug, in the rat and the dog. Assandri A, et al.
Drug Metab Dispos 1984 Mar-Apr;12(2):257–63

Persistence of the effects of benzodiazepines. Pharmacodynamic studies in man. Nicholson AN.
Encephale 1983;9(4 Suppl 2):81B–86B

Pharmacokinetics of pinazepam in healthy volunteers. Pacifici GM, et al. **Int J Clin Pharmacol Res** 1983; 3(5):331–7

Pharmacokinetics and the sedative effect of midazolam. Kanto J, et al. **Int J Clin Pharmacol Ther Toxicol** 1983 Sep;21(9):460–3 (20 ref.)

Pharmacokinetics of benzodiazepine hypnotics. Greenblatt DJ, et al. **Int Pharmacopsychiatry** 1982;17 Suppl 2:70–5

Is temazepam an accumulating hypnotic? Ochs HR, et al.
J Clin Pharmacol 1984 Jan;24(1):58–64

Absorption of triazolam from pelleted drug-diet mixtures by the mouse: quantitation of alpha-hydroxytriazolam in urine. Adams WJ, et al. **J Pharm Sci** 1983 Oct;72(10):1185–9

Structure-affinity relationships between several new benzodiazepine derivatives and 3H-diazepam receptor sites. Shibuya T, et al. **Jpn J Pharmacol** 1984 Apr; 34(4):435–40

Pharmacokinetics of benzodiazepine hypnotics. Greenblatt DJ, et al. **Pharmacology** 1983;27 Suppl 2:70–5

The GABA-benzodiazepine receptor complex. Martin IL.
Prog Neuropsychopharmacol Biol Psychiatry 1983; 7(4–6):433–6

Pharmacodynamics of benzodiazepines after single oral doses: kinetic and physiochemical correlates. Greenblatt DJ, et al. **Psychopharmacology Suppl** 1984;1:92–7 (27 ref.)

[Concept of half-life and benzodiazepine metabolism. Critical study] Cano JP, et al. **Encephale** 1983;9(4 Suppl 2):75B–80B (Eng. Abstr.) **(Fre)**

[Is the benzodiazepine binding site a receptor?] Morre M, et al. **Encephale** 1983;9(4 Suppl 2):125B–130B (23 ref.) (Eng. Abstr.) **(Fre)**

[Benzodiazepines and pregnancy. Transplacental passage, labor and lactation] Olive G, et al. **Encephale** 1983;9(4 Suppl 2):87B–96B (26 ref.) (Eng. Abstr.) **(Fre)**

[Benzodiazepines. Factors altering pharmacokinetic parameters and drug interactions] Singlas E. **Encephale** 1983;9(4 Suppl 2):67B–73B (Eng. Abstr.) **(Fre)**

[Bioavailability of chlorazepate dipotassium (Tranxene) presented in various oral dosage forms] Reynier JP, et al.
Pharm Acta Helv 1984;59(7):191–9 (Eng. Abstr.) **(Fre)**

[Comparative studies on biologic availability and pharmacokinetics of bromazepam in tablets] von Stetten O, et al. **Arzneimittelforsch** 1983;33(12):1699–702 (Eng. Abstr.) **(Ger)**

[Pharmacokinetic studies following oral application of amitriptyline and chlorazaptate in therapeutic dosage] Sticht G, et al. **Beitr Gerichtl Med** 1983;41:109–15 (Eng. Abstr.) **(Ger)**

[Spectral changes in the liver microsomal cytochrome P-450 of rats during interaction with phenazepam and its 3-hydroxy metabolite] Bogatskiĭ AV, et al.
Biull Eksp Biol Med 1984 Aug;97(8):196–8 (Eng. Abstr.) **(Rus)**

[Effect of multiple daily administration of fenibut and diazepam on GABA and benzodiazepine receptors in the mouse brain] Riago LK, et al. **Biull Eksp Biol Med** 1983 Dec;96(12):49–50 (Eng. Abstr.) **(Rus)**

[Mechanisms of the phenazepam oxidation reactions in cell membranes] Golovenko NIa, et al. **Farmakol Toksikol** 1984 May-Jun;47(3):97–101 (Eng. Abstr.) **(Rus)**

[Metabolic pathways of 3H-5-bromo-2'-chloro-2-aminobenzophenone in the body of rats and mice (a model of the aromatic hydroxylation of phenazepam)] Bogatskiĭ AV, et al.
Izv Akad Nauk SSSR [Biol] 1983 Sep-Oct;(5):770–7 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Haemodynamic effects of midazolam in the anaesthetized patient with coronary artery disease. Massaut J, et al.
Acta Anaesthesiol Scand 1983 Aug;27(4):299–302

Effects of medazepam, flunitrazepam and bromocriptine on avoidance learning. Ovtcharov R, et al.
Acta Physiol Pharmacol Bulg 1983;9(1):44–50

Benzodiazepine recognition site ligands: biochemistry and pharmacology. **Adv Biochem Psychopharmacol** 1983; 38:1–260

Distinction of benzodiazepine receptor agonists and inverse agonists by binding studies in vitro. Karobath M, et al.
Adv Biochem Psychopharmacol 1983;38:37–45 (28 ref.)

Behavioral and EEG effects of benzodiazepines and their antagonists in the cat. Ongini E.
Adv Biochem Psychopharmacol 1983;38:211–25

Differential pharmacological effects of benzodiazepine receptor inverse agonists. Petersen EN, et al.
Adv Biochem Psychopharmacol 1983;38:57–64 (24 ref.)

Interaction of benzodiazepine agonists and antagonists with different benzodiazepine receptors. Sieghart W, et al.
Adv Biochem Psychopharmacol 1983;38:11–9 (35 ref.)

Agonist and antagonist interactions at benzodiazepine receptors. Tallman JF. **Adv Biochem Psychopharmacol** 1983;38:21–7 (30 ref.)

Midazolam—does it cause resedation? Ruiz K, et al.
Anaesthesia 1983 Sep;38(9):898–902

In vitro effect of benzodiazepines on polymorphonuclear leukocyte oxidative activity. Goldfarb G, et al.
Anesthesiology 1984 Jan;60(1):57–60

Interactions of cholinesterase inhibitors and corticosteroids with the hypnotic effect of benzodiazepines in mice. Leeuwin RS. **Arch Int Pharmacodyn Ther** 1984 May; 269(1):34–41

Differential effects of benzodiazepines on EEG activity and hypnogenic mechanisms of the brain stem in cats. Mariotti M, et al. **Arch Int Pharmacodyn Ther** 1983 Aug; 264(2):203–19

In vitro and ex vivo inhibition by flutoprazepam of [3H]flunitrazepam binding to mouse brain receptors. Oki K, et al. **Arch Int Pharmacodyn Ther** 1984 Jun;269(2):180–6

Hypnotic action and residual effects of a single bedtime dose of temazepam. Borbély AA, et al. **Arzneimittelforsch** 1984; 34(1):101–3

Midazolam and triazolam: hypnotic action and residual effects after a single bedtime dose. Borbély AA, et al.
Arzneimittelforsch 1983;33(10):1500–2

Effects of midazolam on sleep in normal subjects. Krieger J, et al. **Arzneimittelforsch** 1983;33(7):1000–2

Respiratory and sedative effects of triazolam in volunteers. Longbottom RT, et al. **Br J Anaesth** 1984 Feb;56(2):179–85

Oral benzodiazepine premedication in minor gynaecological surgery. Male CG, et al. **Br J Anaesth** 1984 May; 56(5):499–507

Carbon dioxide response curves following midazolam and diazepam. Power SJ, et al. **Br J Anaesth** 1983 Sep; 55(9):837–41

Loprazolam (RU31158)—lack of effect on hepatic microsomal enzyme activity in man. Ankier SI, et al.
Br J Clin Pharmacol 1983 Aug;16(2):200–1

Hypnotic efficacy of midazolam in pre-surgical patients: a dose-finding study. Du Cailar J, et al.
Br J Clin Pharmacol 1983;16 Suppl 1:129S–132S

Midazolam: effects on psychomotor performance and subjective aspects of sleep and sedation in normal volunteers. Gudgeon AC, et al. **Br J Clin Pharmacol** 1983; 16 Suppl 1:121S–126S

Effects of midazolam on sleep in normal subjects. Krieger J, et al. **Br J Clin Pharmacol** 1983;16 Suppl 1:79S–80S

Effects on psychological performance of the benzodiazepine, loprazolam, alone and with alcohol. McManus IC, et al.
Br J Clin Pharmacol 1983 Sep;16(3):291–300

Midazolam: sleep and performance studies in middle age. Nicholson AN, et al. **Br J Clin Pharmacol** 1983;16 Suppl 1:115S–119S

Preclinical pharmacology of midazolam. Pieri L.
Br J Clin Pharmacol 1983;16 Suppl 1:17S–27S

Effects of oral and intravenous midazolam, triazolam and flunitrazepam on the sleep-wakefulness cycle of rabbits. Scherschlicht R, et al. **Br J Clin Pharmacol** 1983;16 Suppl 1:29S–35S

Hypnotic efficacy and clinical safety of midazolam in shift-workers. Scollo-Lavizzari G. **Br J Clin Pharmacol** 1983;16 Suppl 1:73S–78S

Comparison of the effects of intravenously administered midazolam, triazolam and their hydroxy metabolites. Ziegler WH, et al. **Br J Clin Pharmacol** 1983;16 Suppl 1:63S–69S

Loprazolam: an intermediate acting benzodiazepine. A review article. Beaumont G. **Br J Clin Pract** 1983 Sep; 37(9):307–10, 312 (24 ref.)

Differential modulation of etazolate or pentobarbital enhanced [3H] muscimol binding by benzodiazepine agonists and inverse agonists. Borea PA, et al.
Brain Res 1983 Dec 5;280(2):383–6

Behavioral analysis of benzodiazepine-mediated inhibition in the early chick embryo. Maderdrut JL, et al. **Brain Res** 1983 Dec 19;289(1–2):385–90

Effects of midazolam on directly stimulated muscle biopsies from control and malignant hyperthermia positive patients. Fletcher JE, et al. **Can Anaesth Soc J** 1984 Jul;31(4):377–81

Potentiation of the antitumor activity of tegafur in sarcoma 180-bearing mice by chlordiazepoxide, diazepam and oxazepam. Sasaki K, et al. **Chem Pharm Bull (Tokyo)** 1983 Jul;31(7):2451–8

Flurazepam and triazolam: dose-response and time-response evaluation on cat sleep. Novack GD, et al.
Electroencephalogr Clin Neurophysiol 1984 Mar; 57(3):277–88

The effects of lormetazepam on aspects of sleep and early morning performance. Subhan Z, et al.
Eur J Clin Pharmacol 1983;25(1):47–51

Benzodiazepine selectively antagonize kainate-induced activation in the rat hippocampus. De Bonnel G, et al.
Eur J Pharmacol 1983 Sep 16;93(1–2):45–54

Study on the antiarrhythmic effects of some centrally acting drugs—benzodiazepines. Kuruvilla A, et al.
Indian J Exp Biol 1983 Jan;21(1):23–6

Interaction of cimetidine with oxazepam, lorazepam, and flurazepam. Greenblatt DJ, et al. **J Clin Pharmacol** 1984 Apr;24(4):187–93

Effects of clorazepate, diazepam, lorazepam, and placebo on human memory. Healey M, et al. **J Clin Psychiatry** 1983 Dec;44(12):436–9

Comparative hypnotic effects of flurazepam, triazolam, and placebo: a long-term simultaneous nighttime and daytime study. Mitler MM, et al. **J Clin Psychopharmacol** 1984 Feb; 4(1):2–13

Cimetidine drug interactions [letter] Bergamo ML, et al.
J Fam Pract 1984 Feb;18(2):197–8

The effects of benzodiazepine and non-benzodiazepine

anxiolytics on locus coeruleus unit activity. Sanghera MK, et al. **J Neural Transm** 1983;57(4):267–79

Modulation of receptors for thyrotropin-releasing hormone by benzodiazepines: brain regional differences. Sharif NA, et al. **J Neurochem** 1984 Sep;43(3):742–6

Effect of some benzodiazepines on peripheral neuromuscular function in the rat in-vitro hemidiaphragm preparation. Driessen JJ, et al. **J Pharm Pharmacol** 1984 Apr;36(4):244–7

Noninteraction of temazepam and cimetidine. Greenblatt DJ, et al. **J Pharm Sci** 1984 Mar;73(3):399–401

Effects of chlordiazepoxide, diazepam and oxazepam on the antitumor activity, the lethality and the blood level of active metabolites of cyclophosphamide and cyclophosphamide oxidase activity in mice. Sasaki K, et al. **J Pharmacobiodyn** 1983 Oct;6(10):767–72

The pull-up test in rats: a simple method for evaluating muscle relaxation. Deacon RM, et al. **J Pharmacol Methods** 1984 Apr;11(2):119–24

Comparative study on the effects of haloxazolam and estazolam, new sleep inducing drugs, on the alpha- and gamma-motor systems. Sakai Y. **Jpn J Pharmacol** 1983 Oct; 33(5):1017–25

Hypnotic action of benzodiazepines: a possible mechanism. Chweh AY, et al. **Life Sci** 1984 Apr 30;34(18):1763–8

Neurochemical characteristics of rats distinguished as benzodiazepine responders and non-responders in a new conflict test. Patel JB, et al. **Life Sci** 1984 Jun 25; 34(26):2647–53

Activity of the chloro- and triazolo-benzodiazepines. Behavioural studies in the monkey (Macaca mulatta). Bradley CM, et al. **Neuropharmacology** 1984 Mar; 23(3):327–31

Comparison between the central effects of camazepam and temazepam. Computerized analysis of sleep recordings. Ferrillo F, et al. **Neuropsychobiology** 1984;11(1):72–6

The alpha-sleep pattern. Differentiation from other sleep patterns and effect of hypnotics. Scheuler W, et al. **Neuropsychobiology** 1983;10(2–3):183–9

Benzodiazepine interactions with GABA receptors. Haefely W. **Neurosci Lett** 1984 Jun 29;47(3):201–6

Instinctive predatory behavior of mustelids (Mustela putorius f. furo, Mustela vision f. dom.) modified by benzodiazepine derivatives. Apfelbach R. **Pharmacol Biochem Behav** 1981; 14 Suppl 1:43–6

Alprazolam and lorazepam effects on memory acquisition and retrieval processes. Block RI, et al. **Pharmacol Biochem Behav** 1984 Feb;20(2):233–41

Anti-conflict and depressant effects by GABA agonists and antagonists, benzodiazepines and non-gabergic anticonvulsants on self-stimulation and locomotor activity. Herberg LJ, et al. **Pharmacol Biochem Behav** 1983 Oct; 19(4):625–33

Alcohol interaction of lormetazepam, mepindolol sulphate and diazepam measured by performance on the driving simulator. Willumeit HP, et al. **Pharmacopsychiatry** 1984 Mar;17(2):36–43

The effect of a single temazepam administration on enkephalin content in the striatum and hypothalamus of the rat. Herman ZS, et al. **Pol J Pharmacol Pharm** 1983; 35(4):265–9

GABA and endorphin mechanisms in relation to the effects of benzodiazepines on feeding and drinking. Cooper SJ. **Prog Neuropsychopharmacol Biol Psychiatry** 1983; 7(4–6):495–503

Behavioural pharmacology of benzodiazepines. File SE. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(1):19–31

Benzodiazepine anxiolytic action and affinities for serotonergic and adrenergic receptors. Fulton A, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1984;8(1):33–7

Benzodiazepines and beta-adrenergic binding to primary cultures of astrocytes and neurons. Hertz L, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1983; 7(4–6):681–6

The benzodiazepines: a critical review. Martin IL. **Prog Neuropsychopharmacol Biol Psychiatry** 1983; 7(4–6):421–6

Differential effects of benzodiazepines and amphetamine on exploratory behaviour in weanling rats: an animal model for anxiolytic activity. Salt JS, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(1):163–9

Molecular aspects of the action of benzodiazepine and non-beazodiazepine anxiolytics: a hypothetical allosteric model of the benzodiazepine receptor complex. Williams M. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(2):209–47 (250 ref.)

A study of the effects of zimelidine on the pharmacokinetics and pharmacodynamics of temazepam in healthy volunteers. Fagan D, et al. **Psychopharmacology (Berlin)** 1984;82(3):252–5

Residual and acute effects of flurazepam and triazolam in normal subjects. Gorenstein C, et al. **Psychopharmacology (Berlin)** 1983;80(4):376–9

An investigation into the interaction between ethanol at low doses and the benzodiazepines nitrazepam and temazepam on psychomotor performance in normal subjects. Taberner PV, et al. **Psychopharmacology (Berlin)** 1983;81(4):321–6

Sleep, benzodiazepines and performance: issues and comments. Hindmarch I, et al. **Psychopharmacology Suppl** 1984;1:194–202

Effects of two benzodiazepines on the speed and accuracy of perceptual-motor performance in the elderly. Morgan K. **Psychopharmacology Suppl** 1984;1:79–83

Amnesic effects of lormetazepam. Roehrs T, et al. **Psychopharmacology Suppl** 1984;1:165–72

The effects of benzodiazepines on short-term memory and information processing. Subhan Z. **Psychopharmacology Suppl** 1984;1:173–81

Simulated car driving as a useful technique for the determination of residual effects and alcohol interaction after short- and long-acting benzodiazepines. Willumeit HP, et al. **Psychopharmacology Suppl** 1984;1:182–92

The effect of bromazepam (Lexotan) administration on antipyrine pharmacokinetics in humans. Allen JG, et al. **Xenobiotica** 1984 Apr;14(4):321–6

[Neuroendocrine effects of benzodiazepines] Mormède P. **Encephale** 1983;9(4 Suppl 2):191B–196B (25 ref.) (Eng. Abstr.) **(Fre)**

[Comparative study of the effect of midazolam and hypnomidate on the cardiovascular system] List WF, et al. **Anaesthesist** 1983 Aug;32(8):395–8 (Eng. Abstr.) **(Ger)**

[Comparative studies on the pharmacologic profile of Valium, Tranxilium and Dociton] Staak M, et al. **Beitr Gerichtl Med** 1983;41:397–406 (Eng. Abstr.) **(Ger)**

[Benzodiazepines—current aspects of the mechanism of action and clinically relevant questions] Langnickel R, et al. **Z Arztl Fortbild (Jena)** 1983;77(20):835–40 **(Ger)**

[Effects of bromazepam on cerebral neuronal activity in male Wistar rats with immobilized stress] Nakamura K, et al. **Nippon Yakurigaku Zasshi** 1984 May;83(5):401–12 (Eng. Abstr.) **(Jpn)**

[Behavioral effects of ethyl loflazepate and its metabolites] Ueki S, et al. **Nippon Yakurigaku Zasshi** 1983 Nov; 82(5):395–409 (Eng. Abstr.) **(Jpn)**

[Effects of bromazepam on responses of mucosal blood flow of the gastrointestinal tract and the gastric motility to stimulation of the amygdala and hypothalamus in conscious cats] Yajima T, et al. **Nippon Yakurigaku Zasshi** 1984 Mar; 83(3):237–48 (Eng. Abstr.) **(Jpn)**

[Ion-dependency of the GABA-potentiating effects of benzodiazepine tranquilizers and harmane] Abramets II, et al. **Biull Eksp Biol Med** 1984 Jun;97(6):679–81 (Eng. Abstr.) **(Rus)**

[Effect of benzodiazepines on interneuronal transmission in afferent systems and their antagonism with Ro 15–1788] Kharkevich DA, et al. **Farmakol Toksikol** 1983 Sep–Oct; 46(5):14–9 (Eng. Abstr.) **(Rus)**

[Pharmacology of uxepam] Zakusov VV, et al. **Farmakol Toksikol** 1983 Nov–Dec;46(6):5–9 (Eng. Abstr.) **(Rus)**

POISONING

[Acute benzodiazepine poisoning. Apropos of a study of 162 cases hospitalized for attempted suicide] Rouzioux JM, et al. **Encephale** 1983;9(4 Suppl 2):109B–115B (Eng. Abstr.) **(Fre)**

[Comparative clinical toxicology of 5 benzodiazepine derivatives] Jäger U, et al. **Nervenarzt** 1984 Mar;55(3):150–3 **(Ger)**

[Emergencies in general medicine. Poisonings caused by tranquilizers] Hüdepohl M. **ZFA (Stuttgart)** 1983 Jul 20; 59(20):1145 **(Ger)**

['Alpha pattern coma' after poisoning with flunitrazepam and bromazepam. Case description] Pasinato E, et al. **Minerva Psichiatr** 1983 Apr–Jun;24(2):69–74 (Eng. Abstr.) **(Ita)**

THERAPEUTIC USE

Comparison of nitrazepam with triazolam in insomniac outpatients. Dahl LE, et al. **Acta Psychiatr Scand** 1982 Feb; 65(2):86–92

A double-blind comparison of alprazolam vs. imipramine and placebo in the treatment of major depressive disorder. Feighner JP, et al. **Acta Psychiatr Scand** 1983 Oct; 68(4):223–33

Bromazepam, another high-potency benzodiazepine, for panic attacks [letter] Beaudry P, et al. **Am J Psychiatry** 1984 Mar;141(3):464–5

The positive effect of alprazolam in the treatment of three patients with borderline personality disorder. Faltus FJ. **Am J Psychiatry** 1984 Jun;141(6):802–3

Treatment of panic attacks with alprazolam and propranolol. Shehi M, et al. **Am J Psychiatry** 1984 Jul;141(7):900–1

Alprazolam as treatment for a case of obsessive-compulsive disorder. Tesar GE, et al. **Am J Psychiatry** 1984 May; 141(5):689–90

Flurazepam and other benzodiazepines [letter] Finucane TE. **Ann Intern Med** 1984 Sep;101(3):403–4

Long-term benzodiazepine administration blunts growth hormone response to diazepam. Shur E, et al. **Arch Gen Psychiatry** 1983 Oct;40(10):1105–8

Effect of the benzodiazepine derivative estazolam in schizophrenia. Astrup C, et al. **Biol Psychiatry** 1984 Jan; 19(1):85–8

Use of benzodiazepines in the Nordic countries in the 1960s and 1970s. Hemminki E, et al. **Br J Addict** 1983 Dec; 78(4):415–28

Preoperative medication for day-case surgery. A comparison between oxazepam and temazepam. Greenwood BK, et al. **Br J Anaesth** 1983 Oct;55(10):933–7

Midazolam and triazolam in out-patients: a double-blind comparison of hypnotic efficacy. Costa E Silva JA, et al. **Br J Clin Pharmacol** 1983;16 Suppl 1:179S–183S

Comparative clinical studies with midazolam, oxazepam and placebo. Feldmeier C, et al. **Br J Clin Pharmacol** 1983;16 Suppl 1:151S–155S

Efficacy and safety of midazolam and vesparax in treatment of sleep disorders. Fischbach R. **Br J Clin Pharmacol** 1983; 16 Suppl 1:167S–171S

Hypnotic efficacy and safety of midazolam and oxazepam in hospitalized female patients. Fischbach R. **Br J Clin Pharmacol** 1983;16 Suppl 1:157S–160S

Midazolam and oxazepam in the treatment of insomnia in hospitalized patients. Gallais H, et al. **Br J Clin Pharmacol** 1983;16 Suppl 1:145S–149S

Automatic scoring of polygraphic sleep recordings: midazolam in insomniacs. Gath I, et al. **Br J Clin Pharmacol** 1983;16 Suppl 1:89S–96S

Comparative study on the efficacy of and the tolerance to the triazolodiazepines, triazolam and brotizolam. Goetzke E, et al. **Br J Clin Pharmacol** 1983;16 Suppl 2:407S–412S

Sleep laboratory and performance evaluation of midazolam in insomniacs. Hauri P, et al. **Br J Clin Pharmacol** 1983; 16 Suppl 1:109S–114S

Midazolam in the treatment of sleep disorders in geriatric patients. Lachnit KS, et al. **Br J Clin Pharmacol** 1983;16 Suppl 1:173S–177S

Efficacy and safety of midazolam and oxazepam in insomniacs. Lupolover R, et al. **Br J Clin Pharmacol** 1983; 16 Suppl 1:139S–143S

Midazolam and sleep in insomniac patients. Monti JM, et al. **Br J Clin Pharmacol** 1983;16 Suppl 1:87S–88S

Comparative study of midazolam and vesparax in moderate or severe insomnia in female surgical patients. Philipp E, et al. **Br J Clin Pharmacol** 1983;16 Suppl 1:161S–165S

Efficacy and safety of midazolam in the treatment of night terrors in children. Popoviciu L, et al. **Br J Clin Pharmacol** 1983;16 Suppl 1:97S–102S

Temazepam's efficacy in patients with sleep onset insomnia. Roehrs T, et al. **Br J Clin Pharmacol** 1984 Jun;17(6):691–6

Effect of midazolam on sleep of insomniacs. Vogel GW, et al. **Br J Clin Pharmacol** 1983;16 Suppl 1:103S–108S

Effect of midazolam on sleep. Ziegler G, et al. **Br J Clin Pharmacol** 1983;16 Suppl 1:81S–86S

A comparison of the hypnotic activity of loprazolam, flurazepam and placebo. Murphy JE, et al. **Br J Clin Pract** 1984 Apr;38(4):141–8

Benzodiazepines in the management of anxiety. Buchan T. **Cent Afr J Med** 1984 Mar;30(3):297–8, 300

Pinazepam: review of pharmacological properties and therapeutic efficacy. Janbroers JM. **Clin Ther** 1984; 6(4):434–50

Double-blind evaluation of the safety and hypnotic efficacy of lormetazepam in general practice. Moja EA, et al. **Clin Ther** 1983;5(6):580–4

Methodology required to show clinical differences between benzodiazepines. Ansseau M, et al. **Curr Med Res Opin** 1984;8 Suppl 4:108–14

A double-blind comparison of two benzodiazepine hypnotics, flunitrazepam and triazolam, in general practice. Cordingley GJ, et al. **Curr Med Res Opin** 1984;8(10):714–9

Bromazepam: acute benefit-risk assessment in general practice. Hallett C, et al. **Curr Med Res Opin** 1984; 8(10):683–8

Benzodiazepines in the treatment of acute anxiety. McCurdy L. **Curr Med Res Opin** 1984;8 Suppl 4:115–9

Benzodiazepines in therapy. Cohen S. **Curr Psychiatr Ther** 1983;22:111–7

Alprazolam reversal of reserpine-induced depression in patients with compensated tardive dyskinesia. Holt RJ. **Drug Intell Clin Pharm** 1984 Apr;18(4):311–2

Loprazolam. **Drug Ther Bull** 1984 Jun 18;22(12):48

Three more benzodiazepines. **Drug Ther Bull** 1983 Aug 12; 21(16):63–4

Treating anxiety in elderly patients. Jenike MA. **Geriatrics** 1983 Oct;38(10):115–9

Alprazolam and amitryptyline: a double blind comparison of anxiolytic and anti-depressant activity. Draper RJ, et al. **Ir Med J** 1983 Nov;76(11):453–6

Use of benzodiazepines in primary-care geriatric patients. Pinsker H, et al. **J Am Geriatr Soc** 1984 Aug;32(8):595–7

A comparative 25-night sleep laboratory study on the effects of quazepam and triazolam on chronic insomniacs. Mamelak M, et al. **J Clin Pharmacol** 1984 Feb–Mar; 24(2–3):65–75

Double-blind crossover comparison of triazolam and lorazepam in the posthypnotic state. Cohn JB. **J Clin Psychiatry** 1984 Mar;45(3):104–7

Triazolam treatment of insomnia in depressed patients taking tricyclics. Cohn JB. **J Clin Psychiatry** 1983 Nov; 44(11):401–6

Open label study of alprazolam in severely depressed inpatients. Feighner JP. **J Clin Psychiatry** 1983 Sep; 44(9):332–4

Alprazolam and diazepam in the treatment of generalized anxiety. Elie R, et al. **J Clin Psychopharmacol** 1984 Jun; 4(3):125–9

Some biochemical correlates of panic attacks with agoraphobia and their response to a new treatment. Sheehan DV, et al. **J Clin Psychopharmacol** 1984 Apr; 4(2):66–75

A comparison of the hypnotic activity of loprazolam, temazepam and placebo in general practice. Gringras M,

et al. **J Int Med Res** 1984;12(1):10–6

A multicentre hospital study to compare the hypnotic efficacy of loprazolam and nitrazepam. McAlpine CJ, et al. **J Int Med Res** 1984;12(4):229–37

A comparison of the efficacy and tolerability of clobazam and chlordiazepoxide in the treatment of acute withdrawal from alcohol in patients with primary alcoholism. Mukherjee PK. **J Int Med Res** 1983;11(4):205–11

Bromazepam, a new anxiolytic: a comparative study with diazepam in general practice. Royal College of General Practitioners Medicines Surveillance Organisation. **J R Coll Gen Pract** 1984 Sep;34(266):509–12

Comparison of alprazolam with imipramine and placebos [letter] Jaffe K, et al. **JAMA** 1984 Jan 13;251(2):215

Choice of psychotrophic drugs [letter] Pies R. **JAMA** 1984 Aug 10;252(6):765

Benzodiazepine effect on information processing in generalized anxiety disorder. Lapierre YD, et al. **Neuropsychobiology** 1983;9(2–3):88–93

The benzodiazepines—for good or evil. Marks J. **Neuropsychobiology** 1983;10(2–3):115–26

Study with lormetazepam as a hypnotic in general practice. Pöldinger W, et al. **Neuropsychobiology** 1983;9(2–3):135–8

Psychobiological predictors of antidepressant drug response. Rush AJ, et al. **Pharmacopsychiatria** 1983 Nov;16(6):192–4

Flurazepam and temazepam in the treatment of insomnia in a general hospital population. de Jonghe F, et al. **Pharmacopsychiatry** 1984 Jul;17(4):133–5

Long-term comparison of alprazolam, lorazepam and placebo in patients with an anxiety disorder. Cohn JB, et al. **Pharmacotherapy** 1984 Mar–Apr;4(2):93–8

An evaluation of the short-term hypnotic efficacy of loprazolam in comparison with nitrazepam in elderly patients. Bayer AJ, et al. **Pharmatherapeutica** 1983;3(7):468–74

Alprazolam in the treatment of neurotic anxiety. Kerry RJ, et al. **Pharmatherapeutica** 1983;3(7):451–5

Insomnia and its treatment. When are hypnotics justified? Malcolm R, et al. **Postgrad Med** 1984 Jul;76(1):83–90

New concepts in benzodiazepine therapy: rebound anxiety and new indications for the more potent benzodiazepines. Chouinard G, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1983;7(4–6):669–73

The effects of benzodiazepines on hormones in women with idiopathic hirsutism. Dennerstein L, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1984;8(1):11–7

Are all benzodiazepines clinically equivalent? Lapierre YD. **Prog Neuropsychopharmacol Biol Psychiatry** 1983;7(4–6):641–6

Benzodiazepine and nonbenzodiazepine anxiolytics. Goldberg HL. **Psychopathology** 1984;17 Suppl 1:45–55 (30 ref.)

Bromazepam and diazepam in generalized anxiety: a placebo-controlled study of efficacy and withdrawal. Fontaine R, et al. **Psychopharmacol Bull** 1984 Winter; 20(1):126–7

Double-blind comparison of alprazolam versus imipramine in the inpatient treatment of major depressive illness. Lenox RH, et al. **Psychopharmacol Bull** 1984 Winter;20(1):79–82

Effects of loprazolam and of triazolam on sleep and overnight urinary cortisol. Adam K, et al. **Psychopharmacology (Berlin)** 1984;82(4):389–94

Psycho-social stress, insomnia and temazepam: a sleep laboratory evaluation in a 'general practice' sample. Beary MD, et al. **Psychopharmacology (Berlin)** 1984;83(1):17–9

A double blind comparison of alprazolam, diazepam and placebo in the treatment of anxious out-patients. Davison K, et al. **Psychopharmacology (Berlin)** 1983;80(4):308–10

Sleep, benzodiazepines and performance. Experimental methodologies and research prospects. **Psychopharmacology Suppl** 1984;1:1–223

Sleep laboratory study of lormetazepam in older insomniacs. Vogel GW. **Psychopharmacology Suppl** 1984;1:69–78

Alprazolam—a new triazolobenzodiazepine. Talmud J, et al. **S Afr Med J** 1984 Aug 25;66(8):297–8

[Anxiolytics in therapeutic practice] Zapletálek M. **Cesk Psychiatr** 1983 Oct;79(5):328–32 (Eng. Abstr.) **(Cze)**

[Benzodiazepines; a pharmacotherapeutic hangover] Offerhaus L. **Ned Tijdschr Geneeskd** 1984 Apr 28; 128(17):817–9 **(Dut)**

[Use of clobazam 20 mg in general practice] De Nayer AR, et al. **Acta Psychiatr Belg** 1983 Jul–Aug;83(4):407–28 (Eng. Abstr.) **(Fre)**

[Use of benzodiazepines in the treatment of depression] Escande M, et al. **Encephale** 1983;9(4 Suppl 2):273B–277B (19 ref.) (Eng. Abstr.) **(Fre)**

[Behavioral models of anxiety in animals] Thiebot MH. **Encephale** 1983;9(4 Suppl 2):167B–176B (36 ref.) (Eng. Abstr.) **(Fre)**

[Clinical choice of a benzodiazepine] Villeneuve A. **Encephale** 1983;9(4 Suppl 2):253B–259B (Eng. Abstr.) **(Fre)**

[Bromazepam versus placebo. Double-blind crossover study] Rey A, et al. **Schweiz Rundsch Med Prax** 1984 Jan 31; 73(5):143–8 (Eng. Abstr.) **(Fre)**

[Double-blind controlled trial comparing alprazolam and lorazepam in ambulatory anxious patients] Hecquet S, et al. **Therapie** 1984 May–Jun;39(3):253–61 (Eng. Abstr.) **(Fre)**

[Leading symptom of anxiety and tension and its concomitant somatic manifestations. A multicenter trial of fluspirilene versus bromazepam] Thilmann J. **Fortschr Med** 1983 Oct 6;101(37):1676–8 (Eng. Abstr.) **(Ger)**

[Evening television and sleep. Polysomnographic, psychometric and psychopharmacologic studies in sleep disordered patients (II)] Saletu B, et al. **Med Welt** 1983 Aug 12;34(31–32):866–70 **(Ger)**

[Therapy of psychoautonomic disorders. Clinical double-blind duplex study with dipotassium chlorazepate and bromazepam] Heller H, et al. **MMW** 1983 Jul 22; 125(32–33):715–7 **(Ger)**

[Benzodiazepine therapy: an evaluation] Beckmann H, et al. **Nervenarzt** 1984 Mar;55(3):111–21 **(Ger)**

[Our electroencephalographic data in the framework of a review on lormetazepam] Di Perri R. **Clin Ter** 1984 May 15;109(3):225–30 (Eng. Abstr.) **(Ita)**

[Anxiolytic drugs] Kostowski W, et al. **Wiad Lek** 1984 Feb 15;37(4):309–11 **(Pol)**

[Pharmacokinetics of Romanian benzodiazepine drugs and their importance in therapy] Leucuţa SE, et al. **Rev Med Interna [Neurol Psihiatr]** 1983 Apr–Jun; 28(2):131–8 **(Rum)**

[Protective effect of phenazepam and sodium oxybutyrate on somatic manifestations in immobilization stress] Malikova LA, et al. **Biull Eksp Biol Med** 1983 Dec; 96(12):60–2 (Eng. Abstr.) **(Rus)**

[Effect of benzodiazepine and GABA derivatives on the energy metabolism indices in brain edema] Novikov VE, et al. **Farmakol Toksikol** 1984 May–Jun;47(3):35–8 (Eng. Abstr.) **(Rus)**

[Effect of diazepam and phenazepam on Leao's depression in brain edema] Vishnevskiĭ SE, et al. **Farmakol Toksikol** 1983 Nov–Dec;46(6):12–4 (Eng. Abstr.) **(Rus)**

[Effect of phenazepam and seduxen on the functional state of the cardiovascular system, immunological reactivity and energy metabolism of the myocardium] Lukhanana G, et al. **Fiziol Zh** 1983 Nov–Dec;29(6):716–21 (Eng. Abstr.) **(Rus)**

TOXICITY

Safety aspects of midazolam. Schläppi B. **Br J Clin Pharmacol** 1983;16 Suppl 1:37S–41S

Lack of initiating or promoting activity of six benzodiazepine tranquilizers in rat liver limited bioassays monitored by histopathology and assay of liver and plasma enzymes. Remandet B, et al. **Fundam Appl Toxicol** 1984 Apr;4(2 Pt 1):152–63

Chronic toxicity/carcinogenesis study of temazepam in mice and rats. Robison RL, et al. **Fundam Appl Toxicol** 1984 Jun;4(3 Pt 1):394–405

Differential amnestic properties of short- and long-acting benzodiazepines. Scharf MB, et al. **J Clin Psychiatry** 1984 Feb;45(2):51–3

URINE

Absorption of triazolam from pelleted drug-diet mixtures by the mouse: quantitation of alpha-hydroxytriazolam in urine. Adams WJ, et al. **J Pharm Sci** 1983 Oct;72(10):1185–9

BENZODIAZEPINES

Pharmacokinetics and sedative effect of midazolam in connection with caesarean section performed under epidural analgesia. Kanto J, et al. **Acta Anaesthesiol Scand** 1984 Feb;28(1):116–8

Benzodiazepines. DiGregorio GJ. **Am Fam Physician** 1984 Feb;29(2):256–9

A comparison of midazolam and diazepam for intravenous sedation in dentistry. Aun C, et al. **Anaesthesia** 1984 Jun; 39(6):589–93

Midazolam and diazepam in ketamine anaesthesia. Cartwright PD, et al. **Anaesthesia** 1984 May;39(5):439–42

Sedation for local anaesthesia. Comparison of intravenous midazolam and diazepam. Dixon J, et al. **Anaesthesia** 1984 Apr;39(4):372–6

Midazolam versus atropine plus pethidine as premedication in children. Sjövall S, et al. **Anaesthesia** 1984 Mar; 39(3):224–8

Antidiuretic hormone concentrations following midazolam premedication. Sjovall S, et al. **Anaesthesia** 1983 Dec; 38(12):1217–20

Use of midazolam and buprenorphine in combination anaesthesia. Sjövall S. **Ann Clin Res** 1983 Aug;15(4):151–5

Midazolam for upper gastrointestinal endoscopy. Kawar P, et al. **Ann R Coll Surg Engl** 1984 Jul;66(4):283–5

Midazolam in dentistry [letter] **Br Dent J** 1984 May 19; 156(10):349

Midazolam in dentistry [letter] Hill CM. **Br Dent J** 1984 Apr 7;156(7):240

Comparison between midazolam and thiopentone-based balanced anaesthesia for day-case surgery. Crawford ME, et al. **Br J Anaesth** 1984 Feb;56(2):165–9

Comparison of the i.v. administration of midazolam and diazepam as sedation during spinal anaesthesia. McClure JH, et al. **Br J Anaesth** 1983 Nov;55(11):1089–93

A randomized comparison of midazolam and diazepam for sedation in upper gastrointestinal endoscopy. Magni VC, et al. **Br J Anaesth** 1983 Nov;55(11):1095–101

Midazolam bibliography. **Br J Clin Pharmacol** 1983;16 Suppl 1:191S–199S

Proceedings of the First International Sleep Symposium on Midazolam. 25–26 June 1981, St Moritz, Switzerland. **Br J Clin Pharmacol** 1983;16 Suppl 1:1S–199S

Midazolam and anaesthesia. Gemperle M, et al. **Br J Clin Pharmacol** 1983;16 Suppl 1:187S–190S

Chemical structure and properties of midazolam compared with other benzodiazepines. Gerecke M. **Br J Clin Pharmacol** 1983;16 Suppl 1:11S–16S

Intravenous sedation for upper gastrointestinal endoscopy: diazepam versus midazolam. Bardhan KD, et al. **Br Med J [Clin Res]** 1984 Apr 7;288(6423):1046

Diazepam or midazolam for endoscopy? [letter] Green JR, et al. **Br Med J [Clin Res]** 1984 May 5;288(6427):1383

Use and abuse of benzodiazepines. **Bull WHO** 1983; 61(4):551–62

Anesthetic techniques for cystoscopy in men. Hanno PM, et al. **J Urol** 1983 Dec;130(6):1070–2

Midazolam and fentanyl-fluanisone: assessment of anaesthetic effects in laboratory rodents and rabbits. Flecknell PA, et al. **Lab Anim** 1984 Apr;18(2):143–6

[Dependence on benzodiazepines; extend, risk and potential differences among the individual agents] van der Laan JW. **Ned Tijdschr Geneeskd** 1984 Apr 28;128(17):809–14 **(Dut)**

[Relation between the clinical effect and plasma concentration of midazolam in volunteers] Crevoisier C, et al. **Ann Fr Anesth Reanim** 1984;3(3):162–7 (Eng. Abstr.) **(Fre)**

[Comparison of midazolam and flunitrazepam as premedication administered rectally in infants] Julia JM, et al. **Ann Fr Anesth Reanim** 1984;3(3):185–8 (Eng. Abstr.) **(Fre)**

[Comparative study of thiopental and midazolam for induction of anesthesia] Driessen JJ, et al. **Anaesthesist** 1983 Oct;32(10):478–82 (Eng. Abstr.) **(Ger)**

[Production of microcapsules containing tofizopam] Dévay A, et al. **Acta Pharm Hung** 1984 Mar;54(2):84–9 (Eng. Abstr.) **(Hun)**

[Midazolam, a new benzodiazepine anesthetic] Suzuki N. **Kokubyo Gakkai Zasshi** 1983 Sep;50(3):483 **(Jpn)**

[Alprazolam] Cuena Boy R, et al. **Rev Med Univ Navarra** 1984 Mar;28(1):55–6 **(Spa)**

ADMINISTRATION & DOSAGE

Treatment of panic attacks with alprazolam and propranolol. Shehi M, et al. **Am J Psychiatry** 1984 Jul;141(7):900–1

Intramuscular and oral midazolam. Some factors influencing uptake. Hildebrand PJ, et al. **Anaesthesia** 1983 Dec; 38(12):1220–1

Midazolam in dentistry. McGimpsey JG, et al. **Br Dent J** 1983 Jul 23;155(2):47–50

Midazolam in dentistry [letter] Ogden GR. **Br Dent J** 1984 Jun 9;156(11):386

Midazolam dosage studies in institutionalized geriatric patients. Beck H, et al. **Br J Clin Pharmacol** 1983;16 Suppl 1:133S–137S

Diazepam or midazolam for endoscopy [letter] Dundee JW, et al. **Br Med J [Clin Res]** 1984 May 26;288(6430):1614–5

Premedication with intramuscular midazolam: effect on induction time with intravenous midazolam compared to intravenous thiopentone or ketamine. Artru AA, et al. **Can Anaesth Soc J** 1984 Jul;31(4):359–63

Use of atropine in connection with oral midazolam premedication. Sjövall S, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 Apr;22(4):184–8

Sleep without drugs. Giblin MJ, et al. **J R Coll Gen Pract** 1983 Oct;33(255):628–33

A long-acting benzodiazepine is more effective in divided doses [letter] Anseau M, et al. **N Engl J Med** 1984 Feb 23;310(8):526

The effects of midazolam in conjunction with alcohol on iconic memory and free-recall. Subhan Z, et al. **Neuropsychobiology** 1983;9(4):230–4

[Alcohol addicts and benzodiazepines. A review of the hidden abuse of benzodiazepines in a large clinic for alcohol addicts] Tønnesen H, et al. **Ugeskr Laeger** 1984 Feb 6; 146(6):430–1 (Eng. Abstr.) **(Dan)**

[Hemodynamic effects of 2 different doses of midazolam in combination with fentanyl for induction of anesthesia in surgery of the abdominal aorta] Pomane C, et al. **Ann Fr Anesth Reanim** 1984;3(3):168–70 (Eng. Abstr.) **(Fre)**

[Comparative study of intravenous midazolam and diazepam used as sedative agents during gastroscopy] Sainpy D, et al. **Ann Fr Anesth Reanim** 1984;3(3):177–80 (Eng. Abstr.) **(Fre)**

[Premedication using intrarectal midazolam. Study of effective dosage in pediatric anesthesia] Saint-Maurice C, et al. **Ann Fr Anesth Reanim** 1984;3(3):181–4 (Eng. Abstr.) **(Fre)**

[Respiratory and sleep-inducing effects of i.m. midazolam as premedication for regional anesthesia. Comparison with diazepam, promethazine/pethidine and placebo] Reinhart K, et al. **Anaesthesist** 1983 Nov;32(11):525–31 (Eng. Abstr.) **(Ger)**

[Midazolam as a premedication for gastroscopy] Eisner M. **Z Gastroenterol** 1984 Apr;22(4):176–9 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Benzodiazepine-induced thrombocytopenia. Demonstration

of drug-dependent platelet antibodies in two cases. Conti L, et al. **Acta Haematol (Basel)** 1983;70(6):386–8
Alprazolam-induced manic reaction [letter] France RD, et al. **Am J Psychiatry** 1984 Sep;141(9):1127–8
Emergence of hostility during alprazolam treatment. Rosenbaum JF, et al. **Am J Psychiatry** 1984 Jun; 141(6):792–3
Midazolam-induced hiccoughs [letter] de Mendonca MJ. **Br Dent J** 1984 Jul 21;157(2):49
The effects of midazolam in conjunction with alcohol on sleep, psychomotor performance and car driving ability. Hindmarch I, et al. **Int J Clin Pharmacol Res** 1983; 3(5):323–9
Barbiturates, benzodiazepines and lung cancer [letter] Friedman GD. **Int J Epidemiol** 1983 Sep;12(3):375–6
Delirium and seizures due to abrupt alprazolam withdrawal: case report. Levy AB. **J Clin Psychiatry** 1984 Jan; 45(1):38–9
Alprazolam-related hepatotoxicity [letter] Roy-Byrne P, et al. **Lancet** 1983 Oct 1;2(8353):786–7
Benzodiazepines [letter] **N Engl J Med** 1984 Feb 16; 310(7):464–6
[Withdrawal of benzodiazepines. Complication by coma with decerebrate rigidity (letter)] Woimant F, et al. **Presse Med** 1983 Nov 26;12(43):2765–6 **(Fre)**

ANALYSIS

The decomposition of benzodiazepines during analysis by capillary gas chromatography/mass spectrometry. Joyce JR, et al. **Biomed Mass Spectrom** 1984 Jun;11(6):284–9
In vivo labelling in several rat tissues of 'peripheral type' benzodiazepine binding sites. Benavides J, et al. **Eur J Pharmacol** 1984 Mar 16;99(1):1–7
Hydrolysis of clonazepam, flunitrazepam and nitrazepam by hydrochloric acid. Identification of some additional products. de Bruyne MM, et al. **Forensic Sci Int** 1984 Feb; 24(2):125–35
Detection of drugs in saliva of impaired drivers. Peel HW, et al. **J Forensic Sci** 1984 Jan;29(1):185–9
Benzodiazepine receptors: localization in rat amygdala. Niehoff DL, et al. **J Neurosci** 1983 Oct;3(10):2091–7
Benzodiazepine and GABA receptors in early Huntington's disease. Walker FO, et al. **Neurology (NY)** 1984 Sep; 34(9):1237–40
[The value of the Emit-dau system in the examination of cadaveric urine] Szathmary S, et al. **Z Rechtsmed** 1984; 92(2):101–7 (Eng. Abstr.) **(Ger)**

ANTAGONISTS & INHIBITORS

Electrophysiological studies on benzodiazepine antagonists. Krespan B, et al. **Brain Res** 1984 Mar 19;295(2):265–74
Antagonism of caffeine-induced seizures in mice by Ro15–1788. Vellucci SV, et al. **Eur J Pharmacol** 1984 Jan 27;97(3–4):289–93
The anticonvulsant effect of the benzodiazepine antagonist, Ro 15–1788: an EEG study in 4 cases. Scollo-Lavizzari G. **Eur Neurol** 1984;23(1):1–6
New concepts in the neurobiology of anxiety. Skolnick P, et al. **J Clin Psychiatry** 1983 Nov;44(11 Pt 2):12–20
Reversal of the anti-conflict action of valproate by various GABA and benzodiazepine antagonists. Liljequist S, et al. **Life Sci** 1984 Jun 18;34(25):2525–33
Reversal of the muscle relaxant effect of diazepam by the specific benzodiazepine antagonist Ro 15–1788: an electromyographic study in morphine model of muscular rigidity in rats. Turski L, et al. **Life Sci** 1983;33 Suppl 1:755–8
The action of benzodiazepine antagonist Ro 15–1788 on the effects of GABA-ergic drugs. Allikmets LH, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1983 Nov; 324(3):235–7
Inhibition of adenosine accumulation by a CNS benzodiazepine antagonist (Ro 15–1788) and a peripheral benzodiazepine receptor ligand (Ro 05–4864). Morgan PF, et al. **Neurosci Lett** 1983 Oct 31;41(1–2):183–8
[Effect of benzodiazepines on interneuronal transmission in afferent systems and their antagonism with Ro 15–1788] Kharkevich DA, et al. **Farmakol Toksikol** 1983 Sep–Oct; 46(5):14–9 (Eng. Abstr.) **(Rus)**

BLOOD

Placental transfer of midazolam and its metabolite 1-hydroxymethylmidazolam in the pregnant ewe. Vree TB, et al. **Anesth Analg** 1984 Jan;63(1):31–4
The affinities of benzodiazepines to the transport protein of glucose in human erythrocytes. Lacko L, et al. **Arzneimittelforsch** 1984;34(4):403–7
Relationship between plasma concentration and effect of midazolam after oral and intravenous administration. Crevoisier C, et al. **Br J Clin Pharmacol** 1983;16 Suppl 1:51S–61S
Determination of nomifensine in pharmaceutical formulations and simultaneous GLC determination of nomifensine and benzodiazepines in human plasma. Quaglio MP, et al. **Farmaco [Prat]** 1984 Jul;39(7):222–32
Assay for the determination of the tetracyclic antidepressant compound aptazapine in plasma by high-performance liquid chromatography. DeHaas Vermeulen J, et al. **J Chromatogr** 1984 Mar 9;306:412–6
Alprazolam pharmacokinetics in alcoholic liver disease. Juhl RP, et al. **J Clin Pharmacol** 1984 Feb–Mar;24(2–3):113–9
Automated gas chromatographic determination of plasma alprazolam concentrations. Greenblatt DJ, et al. **J Clin Psychopharmacol** 1983 Dec;3(6):366–8
Gas chromatographic determination of quazepam and two major metabolites in human plasma. Hilbert JM, et al. **J Pharm Sci** 1984 Apr;73(4):516–9
Alteration of benzodiazepine binding to platelets in spontaneously hypertensive rats. Taniguchi T. **Jpn J Pharmacol** 1984 May;35(1):76–8
Assay of midazolam and brotizolam in plasma by a gas chromatographic and a radioreceptor technique. Jochemsen R, et al. **Pharm Weekbl [Sci]** 1983 Dec 16; 5(6):308–12
[Epidemiologic observations on the use of alcohol and benzodiazepines] Baedeker C. **Beitr Gerichtl Med** 1983; 41:407–12 (Eng. Abstr.) **(Ger)**

CEREBROSPINAL FLUID

CSF penetration and pharmacokinetics of midazolam. Sjövall S, et al. **Eur J Clin Pharmacol** 1983;25(2):247–51
Endogenous benzodiazepine ligands in human cerebrospinal fluid. Deckert J, et al. **Peptides (Fayetteville)** 1984 May–Jun; 5(3):641–4

CHEMICAL SYNTHESIS

Synthesis and characterization of 2-(2-hydroxyphenyl)-4-aryl-1,5-benzodiazepines. Lin AJ, et al. **Arzneimittelforsch** 1984;34(5):640–2
Synthesis of previously inaccessible quinazolines and 1,4-benzodiazepines as potential anticonvulsants. Fatmi AA, et al. **J Med Chem** 1984 Jun;27(6):772–8
Novel tetracyclic spiropiperidines. 4. Synthesis and pharmacological evaluation of spiro- and 6,7-dihydrospiro[benzo[b]pyrrolo[3,2,1-jk][1,4]benzodiaze (1H),4'-piperidine]s. Glamkowski EJ, et al. **J Med Chem** 1984 Jan;27(1):81–3
Biomimetic approach to potential benzodiazepine receptor agonists and antagonists. Guzman F, et al. **J Med Chem** 1984 May;27(5):564–70
(+/-)-4-Aryl-4,5-dihydro-3H-1,3-benzodiazepines. 3. 2-Phenyl and 2-amino analogues as potential antihypertensive agents. Setescak LL, et al. **J Med Chem** 1984 Mar;27(3):401–4
Acylated derivatives of 1,5-benzodiazepines. Nawojski A, et al. **Pol J Pharmacol Pharm** 1983 Nov–Dec;35(6):531–7
Derivatives of 1H-tetrahydrobenzodiazepine-1,5. Nawojski A, et al. **Pol J Pharmacol Pharm** 1982 Nov–Dec; 34(5–6):423–7
7,7'-Bi-(2-cyano-4-aryl) alkyl (-1H-tetrahydrobenzodiazepines-1,5). Nawojski A, et al. **Pol J Pharmacol Pharm** 1982 Nov–Dec;34(5–6):429–32

HISTORY

[History of the benzodiazepines (editorial)] Jullien Y. **Ann Fr Anesth Reanim** 1984;3(3):153–4 **(Fre)**

ISOLATION & PURIFICATION

Separation, isolation and identification of optical isomers of 1,4-benzodiazepine glucuronides from biological fluids by reversed-phase high-performance liquid chromatography. Mascher H, et al. **J Chromatogr** 1984 Mar 9;306:231–9

METABOLISM

Effect of age, gender, and obesity on midazolam kinetics. Greenblatt DJ, et al. **Anesthesiology** 1984 Jul;61(1):27–35
The pharmacokinetics of midazolam in chronic renal failure patients. Vinik HR, et al. **Anesthesiology** 1983 Nov; 59(5):390–4
'Peripheral type' benzodiazepine binding sites in rat adrenals: binding studies with [3H]PK 11195 and autoradiographic localization. Benavides J, et al. **Arch Int Pharmacodyn Ther** 1983 Nov;266(1):38–49
De novo analysis of receptor binding affinity data of benzodiazepines. Borea PA. **Arzneimittelforsch** 1983; 33(8):1086–8
Developmental changes in protein carboxylmethylation and in the benzodiazepine receptor proteins in rat brain. Gregor P, et al. **Biochem Biophys Res Commun** 1983 Nov 15; 116(3):1056–63
Solubilization of convulsant/barbiturate binding activity on the gamma-aminobutyric acid/benzodiazepine receptor complex. King RG, et al. **Biochem Biophys Res Commun** 1984 Mar 15;119(2):530–6
Differences between cyclopyrrolones (suriclone and zopiclone) and benzodiazepine binding to rat hippocampus photolabelled membranes. Blanchard JC, et al. **Biochem Pharmacol** 1983 Dec 1;32(23):3651–3
In vitro quantitation of benzodiazepine lipophilicity: relation to in vivo distribution. Greenblatt DJ, et al. **Br J Anaesth** 1983 Oct;55(10):985–9
Pharmacokinetics and bioavailability of midazolam in man. Heizmann P, et al. **Br J Clin Pharmacol** 1983;16 Suppl 1:43S–49S
Benzodiazepine receptor binding by membranes from brain cell cultures following chronic treatment with diazepam. Prezioso PJ, et al. **Brain Res** 1983 Dec 12;288(1–2):354–8
The influence of obesity on the pharmacokinetics of oral alprazolam and triazolam. Abernethy DR, et al. **Clin Pharmacokinet** 1984 Mar–Apr;9(2):177–83
Midazolam kinetics in women of two age groups. Avram MJ, et al. **Clin Pharmacol Ther** 1983 Oct;34(4):505–8
Multiple-dose quazepam kinetics. Chung M, et al. **Clin Pharmacol Ther** 1984 Apr;35(4):520–4
Effect of sleep on quazepam kinetics. Hilbert JM, et al. **Clin Pharmacol Ther** 1984 Jul;36(1):99–104
Supersensitivity of benzodiazepine receptors in hepatic encephalopathy due to fulminant hepatic failure in the rat: reversal by a benzodiazepine antagonist. Baraldi M, et al. **Clin Sci** 1984 Aug;67(2):167–75
Pharmacological and physiological properties of benzodiazepine binding sites in rodent brown adipose tissue. Hirsch JD. **Comp Biochem Physiol [C]** 1984;77(2):339–43
Metabolism of an anxiolytic imidazobenzodiazepine by the dog. Kolis SJ, et al. **Drug Metab Dispos** 1983 Jul–Aug; 11(4):324–8
Bioactivation of prodrugs: structure-pharmacokinetic correlations of benzodiazepine esters. Maksay G, et al. **Drug Metab Rev** 1983;14(6):1165–92 (82 ref.)
Correlations among minimal neurotoxicity, anticonvulsant activity, and displacing potencies in [3H]flunitrazepam binding of benzodiazepines. Chweh AY, et al. **Epilepsia** 1983 Dec;24(6):668–77
Close correlation of acetaminophen clearance with that of conjugated benzodiazepines but not oxidized benzodiazepines. Greenblatt DJ, et al. **Eur J Clin Pharmacol** 1983;25(1):113–5
Pharmacokinetics of midazolam in the aged. Smith MT, et al. **Eur J Clin Pharmacol** 1984;26(3):381–8
[3H]Tifluadom binding in guinea-pig brain membranes. Burkard WP. **Eur J Pharmacol** 1984 Jan 27;97(3–4):337–8
The molecular target size of brain TBPS binding sites. Nielsen M, et al. **Eur J Pharmacol** 1983 Dec 23; 96(3–4):321–2
Chlordiazepoxide displaces thyrotropin-releasing hormone (TRH) binding. Simasko S, et al. **Eur J Pharmacol** 1984 Mar 2;98(3–4):419–23
Peripheral and central-type benzodiazepine binding sites in mammalian ocular tissues. Hirsch JD. **Exp Eye Res** 1984 Jan;38(1):101–4
Statistical limits in Scatchard analysis. Feldman HA. **J Biol Chem** 1983 Nov 10;258(21):12865–7
Benzodiazepine receptor binding in cerebellar cortex: observations in olivopontocerebellar atrophy. Kish SJ, et al. **J Neurochem** 1984 Feb;42(2):466–9
Characterization of gamma-aminobutyric acid-benzodiazepine receptor complexes by protection against inactivation by group-specific reagents. Maksay G, et al. **J Neurochem** 1984 Jun;42(6):1715–27
Taurine modulation of the benzodiazepine-gamma-aminobutyric acid receptor complex in brain membranes. Medina JH, et al. **J Neurochem** 1984 May;42(5):1212–7
Benzodiazepine binding to cultured human pituitary cells. Voigt MM, et al. **J Neurochem** 1984 Oct;43(4):1106–13
Ivermectin interactions with benzodiazepine receptors in rat cortex and cerebellum in vitro. Williams M, et al. **J Neurochem** 1984 Mar;42(3):745–53
Peripheral-type benzodiazepine receptors in the central nervous system: localization to olfactory nerves. Anholt RR, et al. **J Neurosci** 1984 Feb;4(2):593–603
[35S]-t-butylbicyclophosphorothionate binding sites are constituents of the gamma-aminobutyric acid benzodiazepine receptor complex. Supavilai P, et al. **J Neurosci** 1984 May;4(5):1193–200
Interaction of triazolobenzodiazepines with benzodiazepine receptors. Sethy VH, et al. **J Pharm Pharmacol** 1983 Aug; 35(8):524–6
In vitro interaction of premazepam with benzodiazepine receptors in rat brain regions. Barone D, et al. **Life Sci** 1984 Jul 23;35(4):365–71
Selective affinity of 1-N-trifluoroethyl benzodiazepines for cerebellar type 1 receptor sites. Iorio LC, et al. **Life Sci** 1984 Jul 2;35(1):105–13
Quinazolines and 1,4-benzodiazepines. 92. Conformational recognition of the receptor by 1,4-benzodiazepines. Blount JF, et al. **Mol Pharmacol** 1983 Nov;24(3):425–8
Theoretical structure-activity studies of benzodiazepine analogues. Requirements for receptor affinity and activity. Loew GH, et al. **Mol Pharmacol** 1984 Jul;26(1):19–34
Structural requirements for the binding of benzodiazepines to their peripheral-type sites. Wang JK, et al. **Mol Pharmacol** 1984 May;25(3):349–51
Chronic benzodiazepine treatment decreases postsynaptic GABA sensitivity. Gallager DW, et al. **Nature** 1984 Mar 1–7;308(5954):74–7
Effect of taurine on a benzodiazepine-GABA-chloride ionophore receptor complex in rat brain membranes. Iwata H, et al. **Neurochem Res** 1984 Apr;9(4):535–44
Effect on neuronal and non-neuronal benzodiazepine binding sites. Komiskey HL, et al. **Neurochem Res** 1983 Sep; 8(9):1135–41
Heterogeneity in the physicochemical properties of deoxycholate-solubilized benzodiazepine receptors from calf cerebral cortex. Sherman-Gold R, et al. **Neurochem Res** 1983 Jul;8(7):853–64
Interactions of some anaesthetic, convulsant, and anticonvulsant drugs at GABA-benzodiazepine receptor-ionophore complexes in rat brain synaptosomal membranes. Skerritt JH, et al. **Neurochem Res** 1983 Oct; 8(10):1351–62
Enhancement of [3H]flunitrazepam binding by mianserin, in vivo. Jeevanjee F, et al. **Neurosci Lett** 1984 May 18;

46(3):305–9

Benzodiazepines compete for thyrotropin-releasing hormone receptor binding: micromolar potency in rat pituitary, retina and amygdala. Sharif NA, et al. **Neurosci Lett** 1983 Nov 11;41(3):301–6

Specific [3H]Ro 5–4864 binding to rat spinal cord membranes: evidence for peripheral type benzodiazepine recognition sites. Villiger JW. **Neurosci Lett** 1984 May 18; 46(3):267–70

A free-wilson study of 4-piperazinyl-10h-thienobenzodiazepine analogues. Schauzu HG, et al. **Pharmazie** 1983 Aug;38(8):562

Interaction of calcium channel blockers with non-neuronal benzodiazepine binding sites. Cantor EH, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(5):1549–52

Micromolar-affinity benzodiazepine receptors regulate voltage-sensitive calcium channels in nerve terminal preparations. Taft WC, et al. **Proc Natl Acad Sci USA** 1984 May;81(10):3118–22

Benzodiazepines that bind at peripheral sites inhibit cell proliferation. Wang JK, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(3):753–6

[Experimental studies on the interaction of alcohol and metaclazepam] Schmidt V. **Beitr Gerichtl Med** 1983; 41:413–7 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Haemodynamic effects of midazolam in the anaesthetized patient with coronary artery disease. Massaut J, et al. **Acta Anaesthesiol Scand** 1983 Aug;27(4):299–302

Midazolam as induction agent prior to inhalational anaesthesia: a comparison with thiopentone. Nilsson A, et al. **Acta Anaesthesiol Scand** 1984 Jun;28(3):249–51

Midazolam and induction of anaesthesia [letter] Derbyshire DR, et al. **Anaesthesia** 1984 Jan;39(1):69–70

Buprenorphine, benzodiazepines and respiratory depression [letter] Green DW. **Anaesthesia** 1984 Mar;39(3):287–8

Midazolam—does it cause resedation? Ruiz K, et al. **Anaesthesia** 1983 Sep;38(9):898–902

Intracranial pressure, mean arterial pressure, and heart rate following midazolam or thiopental in humans with brain tumors. Giffin JP, et al. **Anesthesiology** 1984 May; 60(5):491–4

Comparative renal effects of midazolam and thiopental in humans. Lebowitz PW, et al. **Anesthesiology** 1983 Nov; 59(5):381–4

Negative inotropic effects of midazolam [letter] Reves JG, et al. **Anesthesiology** 1984 May;60(5):517–8

U-43,465F: a triazolobenzodiazepine with pronounced antidepressant-like as well as anxiolytic activities in animals. Von Voigtlander PF, et al. **Arch Int Pharmacodyn Ther** 1983 Nov;266(1):60–76

Midazolam and triazolam: hypnotic action and residual effects after a single bedtime dose. Borbély AA, et al. **Arzneimittelforsch** 1983;33(10):1500–2

Effects of midazolam on sleep in normal subjects. Krieger J, et al. **Arzneimittelforsch** 1983;33(7):1000–2

Carbon dioxide response curves following midazolam and diazepam. Power SJ, et al. **Br J Anaesth** 1983 Sep; 55(9):837–41

Hypnotic efficacy of midazolam in pre-surgical patients: a dose-finding study. Du Cailar J, et al. **Br J Clin Pharmacol** 1983;16 Suppl 1:129S–132S

Midazolam: effects on psychomotor performance and subjective aspects of sleep and sedation in normal volunteers. Gudgeon AC, et al. **Br J Clin Pharmacol** 1983; 16 Suppl 1:121S–126S

Effects of midazolam on sleep in normal subjects. Krieger J, et al. **Br J Clin Pharmacol** 1983;16 Suppl 1:79S–80S

Midazolam: sleep and performance studies in middle age. Nicholson AN, et al. **Br J Clin Pharmacol** 1983;16 Suppl 1:115S–119S

Preclinical pharmacology of midazolam. Pieri L. **Br J Clin Pharmacol** 1983;16 Suppl 1:17S–27S

Effects of oral and intravenous midazolam, triazolam and flunitrazepam on the sleep-wakefulness cycle of rabbits. Scherschlicht R, et al. **Br J Clin Pharmacol** 1983;16 Suppl 1:29S–35S

Hypnotic efficacy and clinical safety of midazolam in shift-workers. Scollo-Lavizzari G. **Br J Clin Pharmacol** 1983;16 Suppl 1:73S–78S

Comparison of the effects of intravenously administered midazolam, triazolam and their hydroxy metabolites. Ziegler WH, et al. **Br J Clin Pharmacol** 1983;16 Suppl 1:63S–69S

Studies on the interaction between cerebral 5-hydroxytryptamine and gamma-aminobutyric acid in the mode of action of diazepam in the rat. Collinge J, et al. **Br J Pharmacol** 1983 Jul;79(3):637–43

Low-dose benzodiazepine neuronal inhibition: enhanced Ca2+-mediated K+-conductance. Carlen PL, et al. **Brain Res** 1983 Jul 25;271(2):358–64

Anxiogenic action of a convulsant benzodiazepine: reversal by chlordiazepoxide. File SE, et al. **Brain Res** 1983 Nov 14;278(1–2):370–2

Electrophysiological studies on benzodiazepine antagonists. Krespan B, et al. **Brain Res** 1984 Mar 19;295(2):265–74

Diazepam and midazolam increase light slow-wave sleep (SWS1) and decrease wakefulness in rats. Radulovacki M, et al. **Brain Res** 1984 Jun 11;303(1):194–6

Effects of midazolam on directly stimulated muscle biopsies from control and malignant hyperthermia positive patients. Fletcher JE, et al. **Can Anaesth Soc J** 1984 Jul;31(4):377–81

Benzodiazepine inhibition of flunitrazepam receptor binding, adenosine uptake, and pentylenetetrazol-induced seizures in mice. Chweh AY, et al. **Can J Physiol Pharmacol** 1984 Jan;62(1):132–5

Alterations in a low affinity GABA recognition site following chronic benzodiazepine treatment. Gallager DW, et al. **Eur J Pharmacol** 1984 Feb 10;98(1):159–60

The partial benzodiazepine agonist properties of Ro 15-1788 in pentylenetetrazol-induced seizures in cats. Kaijima M, et al. **Eur J Pharmacol** 1983 Sep 16;93(1–2):113–5

The effect of the opioid-benzodiazepine, tifluadom, on ingestive behaviors. Morley JE, et al. **Eur J Pharmacol** 1983 Sep 30;93(3–4):265–9

Intrinsic and antagonistic effects of beta-carboline FG 7142 on behavioral and EEG actions of benzodiazepines and pentobarbital in cats. Ongini E, et al. **Eur J Pharmacol** 1983 Nov 11;95(1–2):125–9

Benzodiazepine receptor ligand actions on GABA responses. Benzodiazepines, CL 218872, zopiclone. Skerritt JH, et al. **Eur J Pharmacol** 1984 May 18;101(1–2):127–34

Sensitization of rat forebrain neurons to serotonin by adinazolam, an antidepressant triazolobenzodiazepine. Turmel A, et al. **Eur J Pharmacol** 1984 Mar 23; 99(2–3):241–4

Inhibition of adenosine uptake into rat brain synaptosomes by prostaglandins, benzodiazepines and other centrally active compounds. Phillis JW, et al. **Gen Pharmacol** 1983; 14(5):475–9

Pharmacokinetics and the sedative effect of midazolam. Kanto J, et al. **Int J Clin Pharmacol Ther Toxicol** 1983 Sep;21(9):460–3 (20 ref.)

Clinical assessment of new I.V. sedation agents and techniques. Peterson LJ. **J Dent Res** 1984 Jun;63(6):838–41

Time-related effects of benzodiazepines on intestinal motility in conscious dogs. Fargeas MJ, et al. **J Pharm Pharmacol** 1984 Feb;36(2):130–2

Benzodiazepines: rat pinealocyte binding sites and augmentation of norepinephrine-stimulated N-acetyltransferase activity. Matthew E, et al. **J Pharmacol Exp Ther** 1984 Feb;228(2):434–8

Effects of zopiclone and benzodiazepines on spinal reflexes, anemic decerebrate rigidity and benzodiazepine binding. Goto M, et al. **Jpn J Pharmacol** 1983 Dec;33(6):1241–6

The action of K-agonists on the nociceptive responses of neurones in the medullary dorsal horn of the anaesthetized rat. Calthrop J, et al. **Life Sci** 1983;33 Suppl 1:541–4

Tifluadom (KC 5103) induces suppression and latency changes on somatosensory evoked potentials which are reversed by opioid antagonists. Freye E, et al. **Life Sci** 1983;33 Suppl 1:537–40

Gastric lesions produced by conditioned emotional stimuli in the form of affective communication and effects of benzodiazepines. Ichimaru Y, et al. **Life Sci** 1984 Jan 9; 34(2):187–92

Antiepileptic effects of amphetamine may require GABA (benzodiazepine) activity. Myslobodsky MS, et al. **Life Sci** 1984 Apr 16;34(16):1591–6

Effects of the opioid benzodiazepine tifluadom and its optical isomers on spontaneous locomotor activity of mice. Ruhland M, et al. **Life Sci** 1983;33 Suppl 1:631–4

Influence of caffeine and midazolam on gamma-aminobutyric acid-evoked responses in the frog spinal cord. Berti C, et al. **Neuropharmacology** 1983 Dec;22(12A):1409–12

Actions of benzodiazepines on the neuroendocrine system. Grandison L. **Neuropharmacology** 1983 Dec; 22(12B):1505–10 (35 ref.)

Pharmacological profile of the antidepressant adinazolam, a triazolobenzodiazepine. Lahti RA, et al. **Neuropharmacology** 1983 Nov;22(11):1277–82

Actions of midazolam in the spinal cord of the cat. Leah JD, et al. **Neuropharmacology** 1983 Dec;22(12A):1349–56

Characterization of a kappa-agonist-like antinociceptive action of tifluadom. Upton N, et al. **Neuropharmacology** 1983 Oct;22(10):1241–2

The quinolines PK 8165 and PK 9084 possess benzodiazepine-like activity in vitro but not in vivo. Keane PE, et al. **Neurosci Lett** 1984 Mar 9;45(1):89–93

GABA-induced depolarizing responses of the frog spinal cord can be either enhanced or antagonized by the benzodiazepine midazolam and the methylxanthine caffeine. Nistri A, et al. **Neurosci Lett** 1984 Jun 29; 47(3):277–81

Potentiating action of midazolam on GABA-mediated responses and its antagonism by Ro 14-7437 in the frog spinal cord. Nistri A, et al. **Neurosci Lett** 1983 Aug 29; 39(2):199–204

Evidence for excitatory and depressant non-receptor-mediated membrane effects of benzodiazepines in the crayfish. Sewell RD, et al. **Neurosci Lett** 1984 Mar 9;45(1):59–63

Alprazolam and lorazepam effects on memory acquisition and retrieval processes. Block RI, et al. **Pharmacol Biochem Behav** 1984 Feb;20(2):233–41

Effects of midazolam (Ro 21-3981) on neuromuscular block. Tassonyi E. **Pharmatherapeutica** 1984;3(10):678–81

Pharmacological properties of new heterocyclic derivatives of 1,5-benzodiazepine. Wilimowski M, et al. **Pol J Pharmacol Pharm** 1983;35(2):89–102

Differentiation of Friend erythroleukemia cells induced by benzodiazepines. Wang JK, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(12):3770–2

The comparative effects of benzodiazepines, progabide and PK 9084 on acquisition of passive avoidance in mice. Broekkamp CL, et al. **Psychopharmacology (Berlin)** 1984; 83(1):122–5

Structure-activity relationship in the effect of 1,4-benzodiazepines on morphine, aminopyrine and oestrone metabolism. Vega P, et al. **Res Commun Chem Pathol Pharmacol** 1984 May; 44(2):179–98

Intravenous midazolam does not change lower oesophageal sphincter pressure. Rubin J, et al. **S Afr Med J** 1983 Dec 17;64(26):1024–5

[French translation of the Stanford Sleepiness Scale and use of this scale of sedation following a single dose of midazolam or amitriptyline] Schulz P, et al. **Agressologie** 1983 Sep;24(8):357–9 (Eng. Abstr.) **(Fre)**

[Midazolam (editorial)] du Cailar J. **Ann Fr Anesth Reanim** 1984;3(3):151–2 **(Fre)**

[Midazolam. Chemical data and experimental neuropharmacology] Gerecke M, et al. **Ann Fr Anesth Reanim** 1984;3(3):155–61 **(Fre)**

[Comparison of the hemodynamic effects of midazolam-fentanyl and thiopental-fentanyl combinations in the induction of general anesthesia] Pomane C, et al. **Ann Fr Anesth Reanim** 1983;2(2):75–9 (Eng. Abstr.) **(Fre)**

[Comparative hemodynamic effects of midazolam and flunitrazepam in head injury patients under controlled ventilation] Schoeffler P, et al. **Ann Fr Anesth Reanim** 1984; 3(3):171–6 (Eng. Abstr.) **(Fre)**

[Comparative study of the effect of midazolam and hypnomidate on the cardiovascular system] List WF, et al. **Anaesthesist** 1983 Aug;32(8):395–8 (Eng. Abstr.) **(Ger)**

[The rate of rapid eye movements in man under the effect of benzodiazepines. An indicator for alertness and reaction capacity] Hofferberth B. **Med Welt** 1983 Nov 25; 34(47):1349–52 **(Ger)**

[Effect of dehydrobenzperidol, midazolam and flunitrazepam on anesthesia with ketamine] Gomar C, et al. **Rev Esp Anestesiol Reanim** 1983 Nov-Dec;30(6):248–51 (Eng. Abstr.) **(Spa)**

POISONING

[Benzodiazepine poisoning in a poisoning treatment centre in 1980] Bjaeldager PA, et al. **Ugeskr Laeger** 1984 Feb 13;146(7):503–7 (Eng. Abstr.) **(Dan)**

[Electrocardiographic changes in severe acute poisonings with barbiturates, benzodiazepines, and tricyclic antidepressives] Monteis Catot J, et al. **Rev Clin Esp** 1983 Jun 15–30;169(5–6):347–51 (Eng. Abstr.) **(Spa)**

RADIATION EFFECTS

Correlations between phototoxicity of some 7-chloro-1,4-benzodiazepines and their (photo)chemical properties. De Vries H, et al. **Pharm Weekbl [Sci]** 1983 Dec 16;5(6):302–7

THERAPEUTIC USE

A double-blind comparison of alprazolam vs. imipramine and placebo in the treatment of major depressive disorder. Feighner JP, et al. **Acta Psychiatr Scand** 1983 Oct; 68(4):223–33

The positive effect of alprazolam in the treatment of three patients with borderline personality disorder. Faltus FJ. **Am J Psychiatry** 1984 Jun;141(6):802–3

Alprazolam as treatment for a case of obsessive-compulsive disorder. Tesar GE, et al. **Am J Psychiatry** 1984 May; 141(5):689–90

Midazolam and triazolam in out-patients: a double-blind comparison of hypnotic efficacy. Costa E Silva JA, et al. **Br J Clin Pharmacol** 1983;16 Suppl 1:179S–183S

Comparative clinical studies with midazolam, oxazepam and placebo. Feldmeier C, et al. **Br J Clin Pharmacol** 1983;16 Suppl 1:151S–155S

Efficacy and safety of midazolam and vesparax in treatment of sleep disorders. Fischbach R. **Br J Clin Pharmacol** 1983; 16 Suppl 1:167S–171S

Hypnotic efficacy and safety of midazolam and oxazepam in hospitalized female patients. Fischbach R. **Br J Clin Pharmacol** 1983;16 Suppl 1:157S–160S

Midazolam and oxazepam in the treatment of insomnia in hospitalized patients. Gallais H, et al. **Br J Clin Pharmacol** 1983;16 Suppl 1:145S–149S

Automatic scoring of polygraphic sleep recordings: midazolam in insomniacs. Gath I, et al. **Br J Clin Pharmacol** 1983;16 Suppl 1:89S–96S

Sleep laboratory and performance evaluation of midazolam in insomniacs. Hauri P, et al. **Br J Clin Pharmacol** 1983; 16 Suppl 1:109S–114S

Midazolam in the treatment of sleep disorders in geriatric patients. Lachnit KS, et al. **Br J Clin Pharmacol** 1983;16 Suppl 1:173S–177S

Efficacy and safety of midazolam and oxazepam in insomniacs. Lupolover R, et al. **Br J Clin Pharmacol** 1983; 16 Suppl 1:139S–143S

Midazolam and sleep in insomniac patients. Monti JM, et al. **Br J Clin Pharmacol** 1983;16 Suppl 1:87S–88S

Comparative study of midazolam and vesparax in moderate or severe insomnia in female surgical patients. Philipp E, et al. **Br J Clin Pharmacol** 1983;16 Suppl 1:161S–165S

Efficacy and safety of midazolam in the treatment of night terrors in children. Popoviciu L, et al. **Br J Clin Pharmacol** 1983;16 Suppl 1:97S–102S

Effect of midazolam on sleep of insomniacs. Vogel GW, et al. **Br J Clin Pharmacol** 1983;16 Suppl 1:103S–108S

Effect of midazolam on sleep. Ziegler G, et al. **Br J Clin Pharmacol** 1983;16 Suppl 1:81S–86S

Alprazolam reversal of reserpine-induced depression in patients with compensated tardive dyskinesia. Holt RJ. **Drug Intell Clin Pharm** 1984 Apr;18(4):311–2

Alprazolam: a review of its pharmacodynamic properties and efficacy in the treatment of anxiety and depression. Dawson GW, et al. **Drugs** 1984 Feb;27(2):132–47 (96 ref.)

Potentiation of GABA by midazolam and its therapeutic effect against status epilepticus. Kaneko S, et al. **Folia Psychiatr Neurol Jpn** 1983;37(3):307–9

Midazolam, a new more potent benzodiazepine, compared with diazepam: a randomized, double-blind study of preendoscopic sedatives. Cole SG, et al. **Gastrointest Endosc** 1983 Aug;29(3):219–22

Alprazolam and amitryptyline: a double blind comparison of anxiolytic and anti-depressant activity. Draper RJ, et al. **Ir Med J** 1983 Nov;76(11):453–6

A comparative 25-night sleep laboratory study on the effects of quazepam and triazolam on chronic insomniacs. Mamelak M, et al. **J Clin Pharmacol** 1984 Feb–Mar; 24(2–3):65–75

Quazepam in the short-term treatment of insomnia in outpatients. Aden GC, et al. **J Clin Psychiatry** 1983 Dec; 44(12):454–6

Open label study of alprazolam in severely depressed inpatients. Feighner JP. **J Clin Psychiatry** 1983 Sep; 44(9):332–4

Alprazolam and diazepam in the treatment of generalized anxiety. Elie R, et al. **J Clin Psychopharmacol** 1984 Jun; 4(3):125–9

Some biochemical correlates of panic attacks with agoraphobia and their response to a new treatment. Sheehan DV, et al. **J Clin Psychopharmacol** 1984 Apr; 4(2):66–75

Comparison of alprazolam with imipramine and placebos [letter] Jaffe K, et al. **JAMA** 1984 Jan 13;251(2):215

Psychobiological predictors of antidepressant drug response. Rush AJ, et al. **Pharmacopsychiatria** 1983 Nov;16(6):192–4

Long-term comparison of alprazolam, lorazepam and placebo in patients with an anxiety disorder. Cohn JB, et al. **Pharmacotherapy** 1984 Mar–Apr;4(2):93–8

Alprazolam in bipolar-I depressions. Rush AJ, et al. **Pharmacotherapy** 1984 Jan–Feb;4(1):40–2

Alprazolam in the treatment of neurotic anxiety. Kerry RJ, et al. **Pharmatherapeutica** 1983;3(7):451–5

The benzodiazepines. Hamor TA, et al. **Prog Med Chem** 1983; 20:157–223 (349 ref.)

Double-blind comparison of alprazolam versus imipramine in the inpatient treatment of major depressive illness. Lenox RH, et al. **Psychopharmacol Bull** 1984 Winter;20(1):79–82

A double blind comparison of alprazolam, diazepam and placebo in the treatment of anxious out-patients. Davison K, et al. **Psychopharmacology (Berlin)** 1983;80(4):308–10

Alprazolam—a new triazolobenzodiazepine. Talmud J, et al. **S Afr Med J** 1984 Aug 25;66(8):297–8

Treatment of a 12-hour shift of sleep schedule with benzodiazepines. Seidel WF, et al. **Science** 1984 Jun 15; 224(4654):1262–4

[Benzodiazepines in the treatment of alcoholism] Ades J, et al. **Encephale** 1983;9(4 Suppl 2):293B–298B (Eng. Abstr.) **(Fre)**

[Benzodiazepines in the treatment of epilepsy] Loiseau P. **Encephale** 1983;9(4 Suppl 2):287B–292B (20 ref.) (Eng. Abstr.) **(Fre)**

[Functional aspects of the interaction between benzodiazepines and their central receptors] Soubrié P. **Encephale** 1983;9(4 Suppl 2):183B–190B (25 ref.) (Eng. Abstr.) **(Fre)**

[Double-blind controlled trial comparing alprazolam and lorazepam in ambulatory anxious patients] Hecquet S, et al. **Therapie** 1984 May–Jun;39(3):253–61 (Eng. Abstr.) **(Fre)**

[Benzodiazepine hypnotics: significance of pharmacokinetics in relation to their clinical use] Horowski R, et al. **Clin Ter** 1984 May 15;109(3):209–23 (Eng. Abstr.) **(Ita)**

TOXICITY

Safety aspects of midazolam. Schläppi B. **Br J Clin Pharmacol** 1983;16 Suppl 1:37S–41S

BENZODIAZEPINONES

5-Phenyl-1,3-dihydro-1,4-benzodiazepin-2-ones. Experimental verification of substituent constants. Seiler P, et al. **Arzneimittelforsch** 1983;33(11):1519–22

The reaction of anthramycin with DNA. Proton and carbon nuclear magnetic resonance studies on the structure of the anthramycin-DNA adduct. Graves DE, et al. **J Biol Chem** 1984 Jul 10;259(13):8202–9

ADMINISTRATION & DOSAGE

Serum concentration of clonazepam after rectal administration. Klosterskov Jensen P, et al. **Acta Neurol Scand** 1983 Dec;68(6):417–20

Uptake of clonazepam by plastic intravenous infusion bags and administration sets. Nation RL, et al. **Am J Hosp Pharm** 1983 Oct;40(10):1692–3

A comparative double-blind study of loprazolam, 1 mg and 2 mg, versus placebo in anxiety-induced insomnia. Botter PA. **Curr Med Res Opin** 1983;8(9):626–30

Single and multiple dose kinetics of clobazam, and clinical effects during multiple dosage. Ochs HR, et al. **Eur J Clin Pharmacol** 1984;26(4):499–503

Single-drug and combined medication with cimetidine, antacids and pirenzepine in the prophylaxis of acute upper gastrointestinal bleeding. Tryba M, et al. **Hepatogastroenterology** 1983 Aug;30(4):154–7

Interactions of ethyl-beta-carboline-3-carboxylate and Ro 15-1788 with CGS 8216 in an animal model of anxiety. File SE, et al. **Neurosci Lett** 1983 Aug 19;39(1):91–4

[Serum gastrin levels before and after short-term treatment of duodenal ulcer with cimetidine and pirenzepin] Maleev A, et al. **Vutr Boles** 1983;22(3):59–64 (Eng. Abstr.) **(Bul)**

[Application of beta-rhythm quantification to the treatment of epilepsy] Dumermuth G, et al. **Rev Electroencephalogr Neurophysiol Clin** 1983 Nov; 13(2):115–21 (Eng. Abstr.) **(Fre)**

[Pirenzepine parenterally administered in high doses in the treatment of upper digestive hemorrhage] Chirletti P, et al. **Minerva Med** 1984 Jan 14;75(1–2):17–22 (Eng. Abstr.) **(Ita)**

[Treatment of peptic ulcer with gastrozepin] Grigor'ev PIa, et al. **Sov Med** 1984;(1):48–51 (Eng. Abstr.) **(Rus)**

[Complex use of phenazepam, lithium and haloperidol in the treatment of several forms of schizophrenia] Mosketi KV, et al. **Zh Nevropatol Psikhiatr** 1984;84(4):589–96 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Clonazepam withdrawal syndrome. Sironi VA, et al. **Acta Neurol (Napoli)** 1984 Apr;6(2):134–9

Side effects of carbamazepine, valproate and clonazepam during long-term treatment of epilepsy. Keränen T, et al. **Acta Neurol Scand [Suppl]** 1983;97:69–80

Effect of loprazolam and of triazolam on psychological functions. Morgan K, et al. **Psychopharmacology (Berlin)** 1984;82(4):386–8

[Neurological complications following therapy with tranquilizers and their drug correction] Ben'kovich BI. **Sov Med** 1983;(7):86–9 **(Rus)**

ANALYSIS

Hydrolysis of clonazepam, flunitrazepam and nitrazepam by hydrochloric acid. Identification of some additional products. de Bruyne MM, et al. **Forensic Sci Int** 1984 Feb; 24(2):125–35

A 1H nmr study of the amide-bond conformational equilibrium in pirenzepine. Feeney J, et al. **J Pharm Pharmacol** 1984 Mar;36(3):187–9

Assay of chlordiazepoxide and demoxepam in chlordiazepoxide formulations by difference spectrophotometry. Davidson AG. **J Pharm Sci** 1984 Jan; 73(1):55–8

ANTAGONISTS & INHIBITORS

A partial agonist at the anticonvulsant benzodiazepine receptor: reversal of the anticonvulsant effects of Ro 15-1788 with CGS-8216. Robertson HA, et al. **Brain Res** 1984 Jan 23;291(2):388–90

[Effect of benzodiazepines on interneuronal transmission in afferent systems and their antagonism with Ro 15-1788] Kharkevich DA, et al. **Farmakol Toksikol** 1983 Sep–Oct; 46(5):14–9 (Eng. Abstr.) **(Rus)**

BLOOD

Quantitation of clonazepam and its 7-amino and 7-acetamido metabolites in plasma by high-performance liquid chromatography. Petters I, et al. **J Chromatogr** 1984 Mar 9;306:241–8

[Pharmacokinetics and metabolite pattern of tetrazepam and chlordesmethyldiazepam] Staak M, et al. **Beitr Gerichtl Med** 1984;42:75–9 (Eng. Abstr.) **(Ger)**

CEREBROSPINAL FLUID

Serum and cerebrospinal fluid concentration of clobazam and N-desmethylclobazam. Laux G, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 Jul;22(7):355–9

DIAGNOSTIC USE

Differential light microscopic autoradiographic localization of muscarinic cholinergic receptors in the brainstem and spinal cord of the rat using [3H]pirenzepine. Yamamura HI, et al. **Eur J Pharmacol** 1983 Jul 15;91(1):147–9

Muscarinic antagonist binding site heterogeneity as evidenced by autoradiography after direct labeling with [3H]-QNB and [3H]-pirenzepine. Wamsley JK, et al. **Life Sci** 1984 Apr 2;34(14):1395–402

[Prolonged coma caused by diazepam sedation in ventilated patients. Diagnostic and therapeutic use of the benzodiazepine antagonist Ro 15-1788] Rapold HJ, et al. **Dtsch Med Wochenschr** 1984 Mar 2;109(9):340–4 (Eng. Abstr.) **(Ger)**

[Hypophyseal prolactin response to pirenzepin and cimetidine loading in a group of healthy adult subjects] Zammataro M, et al. **Minerva Dietol Gastroenterol** 1983 Jul–Sep; 29(3):203–6 (Eng. Abstr.) **(Ita)**

METABOLISM

[3H]pirenzepine specifically labels a high affinity muscarinic receptor in the rat cerebral cortex. Yamamura HI, et al. **Adv Biochem Psychopharmacol** 1983;37:331–6

Pharmacokinetics of clonazepam in the dog. Al-Tahan F, et al. **Arch Int Pharmacodyn Ther** 1984 Apr;268(2):180–93

High-affinity [3H]pirenzepine binding to putative M1 muscarinic sites in the neuroblastoma x glioma hybrid cell line (NG 108-15). Akiyama K, et al. **Biochem Biophys Res Commun** 1984 Feb 29;119(1):289–97

The differential loss of [3H]pirenzepine vs [3H] (-) quinuclidinylbenzilate binding to soluble rat brain muscarinic receptors indicates that pirenzepine binds to an allosteric state of the muscarinic receptor. Roeske WR, et al. **Biochem Biophys Res Commun** 1984 Feb 14; 118(3):950–7

Nitroreduction of clonazepam in human foetal liver microsomes and hepatocyte cultures. Peng DR, et al. **Biochem Soc Trans** 1984 Feb;12(1):39–42

No effect of food intake on clobazam absorption. Cenraud B, et al. **Br J Clin Pharmacol** 1983 Dec;16(6):728–30

Binding of [3H]flunitrazepam and [3H]Ro5-4864 to crude homogenates of amygdala-kindled rat brain: two months post-seizure. Burnham WM, et al. **Brain Res** 1983 Nov 21;279(1–2):359–62

Pharmacokinetic studies on Ro 15-1788, a benzodiazepine receptor ligand, in the brain of the rat. Lister RG, et al. **Brain Res** 1984 Jan 2;290(1):183–6

[3H]R05-4864 and [3H]flunitrazepam binding in kainate-lesioned rat striatum and in temporal cortex of brains from patients with senile dementia of the Alzheimer type. Owen F, et al. **Brain Res** 1983 Nov 14;278(1–2):373–5

[3H]Pirenzepine identifies putative M1 muscarinic receptors in human stellate ganglia. Watson M, et al. **Brain Res** 1984 Jan 2;290(1):179–82

Multiple-dose halazepam kinetics. Chung M, et al. **Clin Pharmacol Ther** 1984 Jun;35(6):838–42

Clonazepam serum protein binding during development. Pacifici GM, et al. **Clin Pharmacol Ther** 1984 Mar; 35(3):354–9

Analysis of parent drug-metabolite relationship in the presence of an inducer. Application to the carbamazepine-clobazam interaction in normal man. Levy RH, et al. **Drug Metab Dispos** 1983 Jul–Aug;11(4):286–92

Single and repeated dose kinetics of the hypnotic agent loprazolam in healthy volunteers. Stevens LA, et al. **Eur J Clin Pharmacol** 1983;25(5):651–5

Disposition, distribution, plasma protein binding and biliary excretion of pinazepam after i.p. administration to rat. Pacifici GM, et al. **Eur J Drug Metab Pharmacokinet** 1983 Jul–Sep;8(3):209–17

Interaction of purines and related compounds with photoaffinity-labelled benzodiazepine receptors in rat brain membranes. Davies LP, et al. **Eur J Pharmacol** 1984 Jan 27;97(3–4):325–9

The relation of receptor-binding studies to receptor function. Birdsall NJ. **Eur J Respir Dis [Suppl]** 1984;135:107–13

Pharmacokinetics of pinazepam in healthy volunteers. Pacifici GM, et al. **Int J Clin Pharmacol Res** 1983; 3(5):331–7

Antimuscarinic compounds and gastric kinetics: a study with pirenzepine on healthy subjects. Rinetti M, et al. **Int J Clin Pharmacol Res** 1984;4(2):145–8

Kinetics of [3H]Ro 15-1788 binding to membrane-bound rat brain benzodiazepine receptors. Brown CL, et al. **J Neurochem** 1984 Apr;42(4):918–23

Characterization of the binding of [3H]Ro 5-4864, a convulsant benzodiazepine, to guinea pig brain. Weissman BA, et al. **J Neurochem** 1984 Apr;42(4):969–75

Comparison of [3H]pirenzepine and [3H]quinuclidinylbenzilate binding to muscarinic cholinergic receptors in rat brain. Luthin GR, et al. **J Pharmacol Exp Ther** 1984 Mar;228(3):648–55

Behavioural actions of Ro 5-4864: a peripheral-type benzodiazepine? Pellow S, et al. **Life Sci** 1984 Jul 16; 35(3):229–40 (90 ref.)

Light microscopic autoradiographic localization of [3H]pirenzepine and [3H](-)quinuclidinyl benzilate binding in human stellate ganglia. Yamamura HI, et al. **Life Sci** 1984 Aug 13;35(7):753–7

Specific [3H]Ro 5-4864 binding to rat spinal cord membranes: evidence for peripheral type benzodiazepine recognition sites. Villiger JW. **Neurosci Lett** 1984 May 18; 46(3):267–70

Not all aromatic nitro compounds form free radicals. Rosen GM, et al. **Toxicol Lett** 1984 Aug;22(2):145–52

Metabolism of loprazolam in rat, dog and man in vivo. Illing HP, et al. **Xenobiotica** 1983 Sep;13(9):539–53

Metabolism of loprazolam in rat- and dog-liver preparations. Illing HP, et al. **Xenobiotica** 1983 Sep;13(9):531–8

Disposition of 14C-loprazolam in animals and man. Illing HP, et al. **Xenobiotica** 1983 Jul;13(7):439–49

[Spectral changes in the liver microsomal cytochrome P-450 of rats during interaction with phenazepam and its 3-hydroxy metabolite] Bogatskiĭ AV, et al. **Biull Eksp Biol Med** 1984 Aug;97(8):196–8 (Eng. Abstr.) **(Rus)**

[Mechanisms of the phenazepam oxidation reactions in cell membranes] Golovenko NIa, et al. **Farmakol Toksikol** 1984

May-Jun;47(3):97-101 (Eng. Abstr.) (Rus)

[Metabolic pathways of 3H-5-bromo-2'-chloro-2-aminobenzophenone in the body of rats and mice (a model of the aromatic hydroxylation of phenazepam)] Bogatskiĭ AV, et al. **Izv Akad Nauk SSSR [Biol]** 1983 Sep-Oct;(5):770-7 (Eng. Abstr.) (Rus)

[Effect of phenazepam and seduxen on the presence of histidase and urokinase in the blood] Korotkina RN, et al. **Vopr Med Khim** 1983 Nov-Dec;29(6):93-6 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

Diazepam receptor in frog muscle fibres. Khan AR. **Acta Physiol Scand** 1983 May;118(1):95-6

The action of stress, beta-carbolines, diazepam, and Ro 15-1788 on GABA receptors in the rat brain. Biggio G. **Adv Biochem Psychopharmacol** 1983;38:105-19

Distinct behavioral and pharmacological effects of two benzodiazepine antagonists: Ro 15-1788 and methyl beta-carboline. Prado de Carvalho L, et al. **Adv Biochem Psychopharmacol** 1983;38:175-87

Pharmacological, electrophysiological, and neurochemical actions of the convulsant benzodiazepine Ro 5-4864 (4'-chlordiazepam). Weissman BA, et al. **Adv Biochem Psychopharmacol** 1983;38:139-51

In vitro and ex vivo inhibition by flutoprazepam of [3H]flunitrazepam binding to mouse brain receptors. Oki K, et al. **Arch Int Pharmacodyn Ther** 1984 Jun;269(2):180-6

Loprazolam (RU31158)--lack of effect on hepatic microsomal enzyme activity in man. Ankier SI, et al. **Br J Clin Pharmacol** 1983 Aug;16(2):200-1

Effects on psychological performance of the benzodiazepine, loprazolam, alone and with alcohol. McManus IC, et al. **Br J Clin Pharmacol** 1983 Sep;16(3):291-300

Loprazolam: an intermediate acting benzodiazepine. A review article. Beaumont G. **Br J Clin Pract** 1983 Sep; 37(9):307-10, 312 (24 ref.)

Anxiogenic action of a convulsant benzodiazepine: reversal by chlordiazepoxide. File SE, et al. **Brain Res** 1983 Nov 14;278(1-2):370-2

Electrophysiological studies on benzodiazepine antagonists. Krespan B, et al. **Brain Res** 1984 Mar 19;295(2):265-74

Pharmacokinetic aspects of the interaction between clobazam and cimetidine. Grigoleit HG, et al. **Eur J Clin Pharmacol** 1983;25(1):139-42

Acute effect of cimetidine and pirenzepine on plasma parathyroid hormone and calcitonin in haemodialyzed patients. Zazgornik J, et al. **Eur J Clin Pharmacol** 1983; 25(5):609-13

Inhibitory effects of pirenzepine on muscarinic stimulation of rat pancreas. Dehaye JP, et al. **Eur J Pharmacol** 1983 Sep 2;92(3-4):259-64

Development of tolerance to the anticonvulsant effects of clobazam. Gent JP, et al. **Eur J Pharmacol** 1983 Oct 14; 94(1-2):155-8

The partial benzodiazepine agonist properties of Ro 15-1788 in pentylenetetrazol-induced seizures in cats. Kaijima M, et al. **Eur J Pharmacol** 1983 Sep 16;93(1-2):113-5

Changes in benzodiazepine receptors by acute stress: different effect of chronic diazepam or RO 15-1788 treatment. Medina JH, et al. **Eur J Pharmacol** 1983 Dec 23; 96(3-4):181-5

beta-Carbolines activate neurons in the substantia nigra pars reticulata: an effect reversed by diazepam and Ro15-1788. Mereu G, et al. **Eur J Pharmacol** 1983 Dec 9;96(1-2):129-32

Inhibition of gastric emptying and secretion by pirenzepine and atropine in rats. Scarpignato C, et al. **Eur J Pharmacol** 1984 Jun 1;101(3-4):193-200

Electrophysiological and pharmacological actions of the convulsant benzodiazepine Ro 5-4864. Weissman BA, et al. **Eur J Pharmacol** 1984 Jan 27;97(3-4):257-63

Antisecretory activity of pirenzepine versus cimetidine in man: a controlled study. Procacciante F, et al. **Gut** 1984 Feb;25(2):178-82

Pirenzepine and exocrine secretions: a selective agent for gastric glands? Dobrilla G, et al. **Hepatogastroenterology** 1983 Dec;30(6):246-8

Effect of pirenzepine and antacids on postprandial intragastric pH. Weberg R, et al. **Hepatogastroenterology** 1983 Oct;30(5):202-4

Possible role of pirenzepine on the release of pancreatic polypeptide in duodenal ulcer patients: preliminary results of a randomized cross-over study. Gasbarrini G, et al. **Int J Tissue React** 1983;5(4):379-85

Pirenzepine does not impair liver blood flow in the rat. Molino G, et al. **Int J Tissue React** 1983;5(3):297-9

Benzodiazepine receptor antagonists reverse the effect of diazepam on plasma corticosterone in stressed rats. Bizzi A, et al. **J Pharm Pharmacol** 1984 Feb;36(2):134-5

Comparative study on the effects of haloxazolam and estazolam, new sleep inducing drugs, on the alpha- and gamma-motor systems. Sakai Y. **Jpn J Pharmacol** 1983 Oct; 33(5):1017-25

Effect of combination therapy with cimetidine and pirenzepine on plasma parathyroid hormone and calcitonin levels in hemodialyzed patients. Minar E, et al. **Klin Wochenschr** 1984 Jun 1;62(11):549-53

Opposite effects of an agonist, RO5-4864, and an antagonist, PK 11195, of the peripheral type benzodiazepine binding sites on audiogenic seizures in DBA/2J mice. Bénavidès J, et al. **Life Sci** 1984 Jun 25;34(26):2613-20

Electrophysiological and pharmacological characterization of peripheral benzodiazepine receptors in a guinea pig heart preparation. Mestre M, et al. **Life Sci** 1984 Aug 27; 35(9):953-62

RO5-4864 inhibits the binding of [35S]t-butylbicyclophosphorothionate to rat brain membranes. Ticku MK, et al. **Life Sci** 1984 Feb 13; 34(7):631-8

Reversal of the muscle relaxant effect of diazepam by the specific benzodiazepine antagonist Ro 15-1788: an electromyographic study in morphine model of muscular rigidity in rats. Turski L, et al. **Life Sci** 1983;33 Suppl 1:755-8

A comparison of the antimuscarinic effects of pirenzepine and N-methylatropine on ganglionic and vascular muscarinic receptors in the rat. Wess J, et al. **Life Sci** 1984 Jul 30;35(5):553-60

Stereoselective stimulus effects of 3-methylflunitrazepam and pentobarbital. Young R, et al. **Life Sci** 1984 May 14; 34(20):1977-83

Effects of pirenzepine (Gastrozepin) on skeletal muscle contractility. Ojewole JA. **Methods Find Exp Clin Pharmacol** 1983 Nov;5(9):619-23

The action of benzodiazepine antagonist Ro 15-1788 on the effects of GABA-ergic drugs. Allikmets LH, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1983 Nov; 324(3):235-7

Behavioural effects of pentylenetetrazole reversed by chlordiazepoxide and enhanced by RO 15-1788. File SE. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Jun; 326(2):129-31

Comparison of central gastric antisecretory effects of desmethylimipramine, doxepin and pirenzepine in rats. Pendleton RG, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Jun; 326(3):210-4

Effects of a benzodiazepine antagonist on the diazepam-induced electrical brain activity modifications. Laurian S, et al. **Neuropsychobiology** 1984;11(1):55-8

Action of the benzodiazepine antagonist Ro 15-1788 in humans after sleep withdrawal. Emrich HM, et al. **Neurosci Lett** 1984 Jun 29;47(3):369-73

Inhibition of adenosine accumulation by a CNS benzodiazepine antagonist (Ro 15-1788) and a peripheral benzodiazepine receptor ligand (Ro 05-4864). Morgan PF, et al. **Neurosci Lett** 1983 Oct 31;41(1-2):183-8

Intracranial self-stimulation distinguishes between two benzodiazepine antagonists. Pellow S, et al. **Neurosci Lett** 1984 Jun 15;47(2):173-7

Benzodiazepine Ro 15-1788: electrophysiological evidence for partial agonist activity. Skerritt JH, et al. **Neurosci Lett** 1983 Dec 30;43(2-3):321-6

A behavioral examination of convulsant benzodiazepine and GABA antagonist, Ro 5-3663, and benzodiazepine-receptor antagonist Ro 15-1788. Feldon J, et al. **Pharmacol Biochem Behav** 1983 Jul;19(1):39-41

Ro 15-1788 and beta-CCE selectively eliminate diazepam-induced feeding in the rabbit. Mansbach RS, et al. **Pharmacol Biochem Behav** 1984 May;20(5):763-6

Separation of clonazepam-induced head twitches and muscle relaxation in mice. Nakamura M, et al. **Pharmacol Biochem Behav** 1983 Sep;19(3):549-52

Evidence for intrinsic behavioural activity of the benzodiazepine antagonist, Ro15-1788, in male mice. Rodgers RJ, et al. **Pharmacol Biochem Behav** 1983 Nov; 19(5):895-8

Enhancement of saline consumption by chlordiazepoxide in thirsty rats: antagonism by Ro15-1788. Turkish S, et al. **Pharmacol Biochem Behav** 1984 Jun;20(6):869-73

Further evidences on gastric cytoprotection exerted by pirenzepine. Varin L, et al. **Pharmacol Res Commun** 1984 Jul;16(7):653-65

Intrinsic activity of the benzodiazepine antagonist Ro 15-1788 in man: an electrophysiological investigation. Schöpf J, et al. **Pharmacopsychiatry** 1984 May;17(3):79-83

Benzodiazepines that bind at peripheral sites inhibit cell proliferation. Wang JK, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(3):753-6

On the convulsant action of Ro 5-4864 and the existence of a micromolar benzodiazepine binding site in rat brain. File SE, et al. **Psychopharmacology (Berlin)** 1984; 82(3):199-202

[Anticholinergic action of neuroleptics and antidepressives on the guinea pig ileum. Comparison with atropine and pirenzepine] Alvarez Gonzalez FJ, et al. **J Pharmacol** 1984 Apr-Jun;15(2):177-84 (Eng. Abstr.) (Fre)

[Effects of the acute and chronic administration of clobazam on plasma prolactin and gonadotrophins in the male rat] Valli M, et al. **J Pharmacol** 1983 Oct-Dec;14(4):395-400 (Eng. Abstr.) (Fre)

[Behavioral and electroencephalographic study of 7-chloro-1-methyl-5-phenyl-1 H-1,5-benzodiazepine-2,4-(3H,5H)-dione (clobazam)] Gomita Y, et al. **Nippon Yakurigaku Zasshi** 1983 Oct; 82(4):267-92 (Eng. Abstr.) (Jpn)

[Behavioral effects of ethyl loflazepate and its metabolites] Ueki S, et al. **Nippon Yakurigaku Zasshi** 1983 Nov; 82(5):395-409 (Eng. Abstr.) (Jpn)

[Effect of a specific benzodiazepine antagonist RO 15-1788 on phenazepam-induced inhibition of the evoked potentials in hippocampal neurons] Glushankov PG, et al. **Biull Eksp Biol Med** 1983 Nov;96(11):65-7 (Eng. Abstr.) (Rus)

[Pharmacology of uxepam] Zakusov VV, et al. **Farmakol Toksikol** 1983 Nov-Dec;46(6):5-9 (Eng. Abstr.) (Rus)

[Gastrozepin--a new anti-ulcer agent (a review of the literature and the authors' own data)] Grigor'ev IIa, et al. **Ter Arkh** 1984;56(2):43-5 (11 ref.) (Eng. Abstr.) (Rus)

[Pharmacological compatibility of the antineoplastic drugs ftorafur and 5-fluorouracil with the psychotropic drugs aminazine and phenazepam (an experimental study)] Syrkin AB, et al. **Vestn Akad Med Nauk SSSR** 1984;(5):66-70 (Eng. Abstr.) (Rus)

THERAPEUTIC USE

Clonazepam and vibration in restless legs syndrome. Montagna P, et al. **Acta Neurol Scand** 1984 Jun; 69(6):428-30

Pirenzepine. Levinson RA. **Am J Gastroenterol** 1983 Nov; 78(11):765-6

Antipanic effect of clonazepam [letter] Fontaine R, et al. **Am J Psychiatry** 1984 Jan;141(1):149

Use of clonazepam in mania and schizoaffective disorders. Victor BS, et al. **Am J Psychiatry** 1984 Sep;141(9):1111-2

Myoclonus following severe asthma: clonazepam relieves. Chee YC, et al. **Aust NZ J Med** 1983 Jun;13(3):285-6

Antimanic effect of clonazepam [letter] Lechin F, et al. **Biol Psychiatry** 1983 Dec;18(12):1511

A comparison of the hypnotic activity of loprazolam, flurazepam and placebo. Murphy JE, et al. **Br J Clin Pract** 1984 Apr;38(4):141-8

A case of Gilles de la Tourette's syndrome treated with clonazepam. Kaim B. **Brain Res Bull** 1983 Aug;11(2):213-4

Familial photosensitive epilepsy: effectiveness of clonazepam. Sáenz-Lope E, et al. **Clin Electroencephalogr** 1984 Jan; 15(1):47-52

Sucralfate, bismuth compounds, substituted benzimidazoles, trimipramine and pirenzepine in the short- and long-term treatment of duodenal ulcer. Tytgat GN, et al. **Clin Gastroenterol** 1984 May;13(2):543-68 (168 ref.)

A double-blind trial of clonazepam in benign essential tremor. Thompson C, et al. **Clin Neuropharmacol** 1984; 7(1):83-8

Agents with tricyclic structures for treating peptic ulcer disease. Berardi RR, et al. **Clin Pharm** 1983 Sep-Oct; 2(5):425-31 (47 ref.)

Abuse potential of halazepam and of diazepam in patients recently treated for acute alcohol withdrawal. Jaffe JH, et al. **Clin Pharmacol Ther** 1983 Nov;34(5):623-30

Pinazepam: review of pharmacological properties and therapeutic efficacy. Janbroers JM. **Clin Ther** 1984; 6(4):434-50

Loprazolam. **Drug Ther Bull** 1984 Jun 18;22(12):48

Antagonism of caffeine-induced seizures in mice by Ro15-1788. Vellucci SV, et al. **Eur J Pharmacol** 1984 Jan 27;97(3-4):289-93

The anticonvulsant effect of the benzodiazepine antagonist, Ro 15-1788: an EEG study in 4 cases. Scollo-Lavizzari G. **Eur Neurol** 1984;23(1):1-6

Treatment of duodenal ulcer with pirenzepine and cimetidine. Brunner H, et al. **Gut** 1984 Feb;25(2):206-10

Pirenzepine in long-term therapy for duodenal ulcer. Capria A, et al. **Int J Clin Pharmacol Ther Toxicol** 1983 Aug; 21(8):422-4

Long-term treatment and follow-up studies with pirenzepine in duodenal ulcer: a double-blind study. Barberani F, et al. **Int J Tissue React** 1983;5(3):309-13

Gastric cytoprotection by pirenzepine: role of endogenous catecholamines. Bernardini C, et al. **Int J Tissue React** 1984; 6(2):175-80

Long-term treatment of duodenal ulcer with pirenzepine; gastric pH values and incidence of relapses: an open pilot study. Federici T, et al. **Int J Tissue React** 1983;5(4):353-5

Long-term management of duodenal ulcer with pirenzepine and cimetidine: a double-blind controlled clinical trial. Galeone M, et al. **Int J Tissue React** 1983;5(4):393-6

A comparison of the hypnotic activity of loprazolam, temazepam and placebo in general practice. Gringras M, et al. **J Int Med Res** 1984;12(1):10-6

A multicentre hospital study to compare the hypnotic efficacy of loprazolam and nitrazepam. McAlpine CJ, et al. **J Int Med Res** 1984;12(4):229-37

A comparison of the efficacy and tolerability of clobazam and chlordiazepoxide in the treatment of acute withdrawal from alcohol in patients with primary alcoholism. Mukherjee PK. **J Int Med Res** 1983;11(4):205-11

Clonidine confused with 'Clonopin' [letter] Brennan MJ, et al. **JAMA** 1984 Oct 5;252(13):1681

Chronic intractable pain [letter] Ashley JJ. **NZ Med J** 1984 Jan 11;97(747):23

An evaluation of the short-term hypnotic efficacy of loprazolam in comparison with nitrazepam in elderly patients. Bayer AJ, et al. **Pharmatherapeutica** 1983; 3(7):468-74

Effects of loprazolam and of triazolam on sleep and overnight urinary cortisol. Adam K, et al. **Psychopharmacology (Berlin)** 1984;82(4):389-94

[Pirenzepine in the treatment of duodenal ulcer--a multicenter double blind study] Pan QY. **Chung Hua Nei Ko Tsa Chih** 1983 Jul;22(7):429-30 (Eng. Abstr.) (Chi)

[Use of clobazam 20 mg in general practice] De Nayer AR, et al. **Acta Psychiatr Belg** 1983 Jul-Aug;83(4):407-28 (Eng.

Abstr.) (Fre)
[Treatment of Ménétrier's disease with pirenzepine (letter)] Plottin F, et al. **Gastroenterol Clin Biol** 1983 Dec; 7(12):1046–7 (Fre)
[Treatment of stomach ulcers with cimetidine and pirenzepine] Gonvers JJ, et al. **Schweiz Med Wochenschr** 1984 May 19;114(20):706–8 (Eng. Abstr.) (Fre)
[Pathogenesis, diagnosis and therapy of ulcer disease. Therapy. 3: Pharmacologic basis and therapy with pirenzepine] **Med Welt** 1983 Dec 2;34(48):14–7 (Ger)
[Retrospective study of the evaluation of peptic ulcer recurrence after 4 weeks of pirenzepin (Gastrozepin) treatment] Krempler F, et al. **Wien Med Wochenschr** 1983 Nov 15;133(21):553–7 (Eng. Abstr.) (Ger)
[Pirenzepin—a new drug in peptic diseases] Pavlotzky M, et al. **Harefuah** 1983 Feb 1;104(3):112–6 (Heb)
[Prevention and treatment of gastro–duodenal hemorrhagic complications in patients with neurologic lesions] Mazzarella B, et al. **Clin Ter** 1983 Sep 15;106(5):361–5 (Eng. Abstr.) (Ita)
[Selective muscarinic receptor antagonists] Kishimoto S, et al. **Nippon Rinsho** 1984 Jan;42(1):114–9 (24 ref.) (Jpn)
[Effect of benzodiazepines on neuropathologic syndromes of spinal origin] Kryshanovskiĭ GN, et al. **Biull Eksp Biol Med** 1984 Jan;97(1):25–7 (Eng. Abstr.) (Rus)
[Protective effect of phenazepam and sodium oxybutyrate on somatic manifestations in immobilization stress] Malikova LA, et al. **Biull Eksp Biol Med** 1983 Dec; 96(12):60–2 (Eng. Abstr.) (Rus)
[Effect of diazepam and phenazepam on Leao's depression in brain edema] Vishnevskiĭ SE, et al. **Farmakol Toksikol** 1983 Nov–Dec;46(6):12–4 (Eng. Abstr.) (Rus)
[Effect of phenazepam and seduxen on the functional state of the cardiovascular system, immunological reactivity and energy metabolism of the myocardium] Lukhanana G, et al. **Fiziol Zh** 1983 Nov–Dec;29(6):716–21 (Eng. Abstr.) (Rus)
[Evaluation of the effect of phenazepam and seduxen on the functional state of the cardiovascular system in the acute phase of an infarct] Lukhanana G. **Vrach Delo** 1983 Oct; (10):15–8 (1 ref.) (Rus)
[Clinico–pharmacologic analysis neurovegetotropic activity of tranquilizers] Aleksandrovskiĭ IuA, et al. **Zh Nevropatol Psikhiatr** 1984;84(5):743–50 (Eng. Abstr.) (Rus)
[Individual features of rat behavior: manifestations of anxiety] Khonicheva NM, et al. **Zh Vyssh Nerv Deiat** 1984 May–Jun;34(3):537–46 (Eng. Abstr.) (Rus)
[Startle disease or hyperekplexia] Castillo J, et al. **Arch Neurobiol (Madr)** 1984 Mar–Apr;47(2):99–104 (Eng. Abstr.) (Spa)
[Treatment of duodenal ulcer with pirenzepin] Hoffenberg P. **Rev Med Chil** 1983 Apr;111(4):419–23 (Eng. Abstr.) (Spa)

TOXICITY

The genetic activity of anthramycin, tomaymycin and sibiromycin in bacterial forward- and reverse–mutation assays and in the mouse bone–marrow micronucleus test. Gairola C, et al. **J Appl Toxicol** 1983 Dec;3(6):317–20
Acute treatment with pyrrolo(1,4)benzodiazepine antitumor antibiotics alters in vitro hepatic drug metabolizing activity in rats. Atkinson JE, et al. **Toxicol Lett** 1983 Sep; 18(3):337–42

BENZOFLAVONES see under **FLAVONES**

BENZOFURANS

Amiodarone: electrophysiologic actions, pharmacokinetics and clinical effects. Zipes DP, et al. **J Am Coll Cardiol** 1984 Apr;3(4):1059–71 (79 ref.)

ADMINISTRATION & DOSAGE

Blood levels and electrophysiological effects of intravenous amiodarone in patients with junctional reciprocating tachycardia. Preliminary observations. Giani P, et al. **Acta Cardiol (Brux)** 1984;39(1):9–17
Electrophysiologic effects and mechanisms of termination of supraventricular tachycardia by intravenous amiodarone. Gomes JA, et al. **Am Heart J** 1984 Feb;107(2):214–21
Multicenter controlled observation of a low–dose regimen of amiodarone for treatment of severe ventricular arrhythmias. Collaborative Group for Amiodarone Evaluation. **Am J Cardiol** 1984 Jun 1;53(11):1564–9
Clinical efficacy and electropharmacology of continuous intravenous amiodarone infusion and chronic oral amiodarone in refractory ventricular tachycardia. Saksena S, et al. **Am J Cardiol** 1984 Aug 1;54(3):347–52
Visual compatibility of amiodarone hydrochloride injection with other injectable drugs. Hasegawa GR, et al. **Am J Hosp Pharm** 1984 Jul;41(7):1379–80
A comparison of the electrophysiologic effects of intravenous and oral amiodarone in the same patient. Wellens HJ, et al. **Circulation** 1984 Jan;69(1):120–4
Amiodarone: intravenous loading for rapid suppression of complex ventricular arrhythmias. Mostow ND, et al. **J Am Coll Cardiol** 1984 Jul;4(1):97–104
The clinical results of amiodarone in cardiac arrhythmias: optimal dosing. Singh BN, et al. **PACE** 1984 Jan; 7(1):109–24
Amiodarone in the treatment of patients with resistant arrhythmias [letter] Millar RN, et al. **S Afr Med J** 1983 Sep 17;64(12):425
[New approach to the treatment of arteritis using a combination of drugs and hypervolemia with clinical and biological monitoring] Gicquiau N. **Phlebologie** 1983 Jul–Sep;36(3):219–29 (Eng. Abstr.) (Fre)
[Drug therapy of atrial fibrillation in acute myocardial infarct: comparison of intravenous amiodarone and digoxin] Petronelli FP, et al. **G Clin Med** 1983 Nov;64(11):475–82 (Eng. Abstr.) (Ita)
[Intravenous amiodarone in supraventricular and ventricular hyperkinetic arrhythmias. Experience in 60 cases] Cuomo A, et al. **Minerva Cardioangiol** 1983 Oct;31(10):591–600 (Eng. Abstr.) (Ita)
[Effect of intravenous amiodarone on electrophysiological characteristics of the human heart] Drzewiecki J, et al. **Kardiol Pol** 1984;27(1):45–54 (Eng. Abstr.) (Pol)
[Intravenous administration of cordaron in the emergency therapy of ventricular extrasystole in patients with ischemic heart disease] Anshelevich IuV, et al. **Kardiologiia** 1983 Nov;23(11):107–8 (Rus)
[Effect of visken and cordarone on myocardial function in patients with ischemic heart disease] Cherevatov BG, et al. **Sov Med** 1983;(8):65–7 (Rus)
[Cordaron therapy of extrasystolic arrhythmia] Anshelevich IuV, et al. **Ter Arkh** 1983;55(9):88–90 (Eng. Abstr.) (Rus)
[Immediate effects of intravenous amiodarone on supraventricular tachyarrhythmias] Cortadellas Angel J, et al. **Rev Esp Cardiol** 1983;36(4):329–36 (Eng. Abstr.) (Spa)

ADVERSE EFFECTS

Amiodarone induced cornea verticillata. Nielsen CE, et al. **Acta Ophthalmol (Copenh)** 1983 Jun;61(3):474–80
Amiodarone and thyroid function [letter] Puletti M, et al. **Am Heart J** 1984 Feb;107(2):399
Amiodarone–induced ventricular tachyarrhythmias [letter] Santinelli V, et al. **Am Heart J** 1984 Mar;107(3):610–1
Abnormal abdominal computerized tomography with amiodarone therapy and clinical significance. Shenasa M, et al. **Am Heart J** 1984 May;107(5 Pt 1):929–33
Sudden marked QT prolongation after intravenous administration of amiodarone. Bertholet M, et al. **Am J Cardiol** 1983 Dec 1;52(10):1361
Ventricular tachyarrhythmias complicating amiodarone therapy in the presence of hypokalemia. Santinelli V, et al. **Am J Cardiol** 1984 May 15;53(10):1462–3
Acute necrotizing pneumonitis and hyperglycemia after amiodarone therapy. Case report and review of amiodarone–associated pulmonary disease. Pollak PT, et al. **Am J Med** 1984 May;76(5):935–9
Thyrotoxicosis induced by amiodarone, a new efficient antiarrhythmic drug with high iodine content. Dickstein G, et al. **Am J Med Sci** 1984 Jul–Aug;288(1):14–7
Amiodarone–induced haemodynamic complications during anaesthesia [letter] Buchser E, et al. **Anaesthesia** 1983 Oct; 38(10):1008–9
Amiodarone and pneumonitis [letter] Dan M, et al. **Ann Intern Med** 1983 Nov;99(5):732
Amiodarone–induced refractoriness to cardioversion. Fogoros RN. **Ann Intern Med** 1984 May;100(5):699–700
Environmental iodine intake and thyroid dysfunction during chronic amiodarone therapy. Martino E, et al. **Ann Intern Med** 1984 Jul;101(1):28–34
Dermal lipofuscinosis associated with amiodarone therapy. Report of a case. Miller RA, et al. **Arch Dermatol** 1984 May;120(5):646–9
Cutaneous pigmentation secondary to amiodarone therapy. Trimble JW, et al. **Arch Dermatol** 1983 Nov;119(11):914–8
Clinical and chemical assessment of thyroid function during therapy with amiodarone. Amico JA, et al. **Arch Intern Med** 1984 Mar;144(3):487–90
Amiodarone–induced lens opacities. Flach AJ, et al. **Arch Ophthalmol** 1983 Oct;101(10):1554–6
Diffuse interstitial pulmonary disease during amiodarone treatment. Farmakis M, et al. **Arzneimittelforsch** 1984; 34(2):223–5
Amiodarone—a drug for all seasons? [editorial] Smith W. **Aust NZ J Med** 1983 Jun;13(3):229
Amiodarone associated alveolitis and polyarthropathy. Treatment by plasma exchange. Russell DC, et al. **Br Heart J** 1983 Nov;50(5):491–4
The pathogenesis of amiodarone–induced pigmentation and photosensitivity. Zachary CB, et al. **Br J Dermatol** 1984 Apr;110(4):451–6
Amiodarone: the experience of the past decade [letter] Abramovici Y, et al. **Br Med J [Clin Res]** 1984 Jan 28; 288(6413):327–8
Neuropathy and fatal hepatitis in a patient receiving amiodarone. Lim PK, et al. **Br Med J [Clin Res]** 1984 Jun 2;288(6431):1638–9
Adverse reactions during treatment with amiodarone hydrochloride [letter] McArthur JD, et al. **Br Med J [Clin Res]** 1983 Sep 24;287(6396):910
Amiodarone: the experience of the past decade. McKenna WJ, et al. **Br Med J [Clin Res]** 1983 Dec 3;287(6406):1654–6 (37 ref.)
Can amiodarone induce hyperglycaemia and hypertriglyceridaemia? Politi A, et al. **Br Med J [Clin Res]** 1984 Jan 28;288(6413):285
Amiodarone–induced ultrastructural changes in human eyes. Ghosh M, et al. **Can J Ophthalmol** 1984 Jun;19(4):178–86
Amiodarone–induced hypersensitivity pneumonitis. Evidence of an immunological cell–mediated mechanism. Akoun GM, et al. **Chest** 1984 Jan;85(1):133–5
Exacerbation of bronchial asthma following treatment with amiodarone. Demonstration of an antiadrenergic effect in vitro. Hunt D, et al. **Chest** 1984 Sep;86(3):492–4
Possible recurrence of amiodarone pulmonary toxicity following corticosteroid therapy. Joelson J, et al. **Chest** 1984 Feb;85(2):284–6
Pulmonary toxicity of amiodarone. Leech JA, et al. **Chest** 1984 Mar;85(3):444–5
Serious adverse effects of amiodarone. McGovern B, et al. **Clin Cardiol** 1984 Mar;7(3):131–7 (47 ref.)
Photobiology of amiodarone: preliminary in vitro and in vivo studies. Diffey BL, et al. **Clin Exp Dermatol** 1984 May; 9(3):248–55
Torsade de pointes after amiodarone withdrawal; effects of mild hypokalaemia on repolarization. Forfar JC, et al. **Eur Heart J** 1984 Jun;5(6):510–2
Pulmonary fibrosis—a serious side–effect of amiodarone therapy. Quyyumi AA, et al. **Eur Heart J** 1983 Jul; 4(7):521–4
Amiodarone–associated phospholipidosis and fibrosis of the liver. Light, immunohistochemical, and electron microscopic studies. Poucell S, et al. **Gastroenterology** 1984 May;86(5 Pt 1):926–36
Effects of long–term amiodarone treatment on thyroid function. Rodriguez–Espinosa J, et al. **Int J Clin Pharmacol Res** 1984;4(1):53–9
Amiodarone–induced intra–His block. Kennedy EE, et al. **J Am Coll Cardiol** 1984 Jul;4(1):192–5
Amiodarone–induced cutaneous and corneal pigment deposits. Onofrey BE, et al. **J Am Optom Assoc** 1984 May; 55(5):337–9
Anesthetic considerations with amiodarone: report of a case. Meulendyk J. **J Am Osteopath Assoc** 1984 Apr;83(8):585–8
Peripheral neuropathy induced by amiodarone chlorhydrate. A clinicopathological study. Pellissier JF, et al. **J Neurol Sci** 1984 Feb;63(2):251–66
Pulmonary gallium–67 uptake in amiodarone pneumonitis. van Rooij WJ, et al. **J Nucl Med** 1984 Feb;25(2):211–3
Digoxin toxicity associated with amiodarone therapy in children. Koren G, et al. **J Pediatr** 1984 Mar;104(3):467–70
Drug–related pneumonitis and drug–induced hypersensitivity pneumonitis [letter] Akoun GM, et al. **Lancet** 1984 Jun 16;1(8390):1362–3
Prevention of amiodarone–induced photosensitivity [letter] Ferguson J, et al. **Lancet** 1984 Aug 18;2(8399):414
Amiodarone–induced photosensitivity and pyridoxine [letter] Guerciolini R, et al. **Lancet** 1984 Apr 28;1(8383):962
Pyridoxine against amiodarone–induced photosensitivity [letter] Kaufmann G. **Lancet** 1984 Jan 7;1(8367):51–2
Amiodarone and lung function [letter] Manresa F, et al. **Lancet** 1983 Dec 10;2(8363):1367
Amiodarone [letter] Shetty BK. **Lancet** 1983 Dec 10; 2(8363):1367
Five cases of immune–mediated amiodarone pneumonitis [letter] Venet A, et al. **Lancet** 1984 Apr 28;1(8383):962–3
Amiodarone hepatotoxicity simulating alcoholic liver disease. Simon JB, et al. **N Engl J Med** 1984 Jul 19;311(3):167–72
Frequent neurologic toxicity associated with amiodarone therapy. Charness ME, et al. **Neurology (NY)** 1984 May; 34(5):669–71
Goitre and thyroid dysfunction during chronic amiodarone treatment. Eason RJ, et al. **NZ Med J** 1984 Apr 11; 97(753):216–9
Polymorphous ventricular tachycardia associated with a marked prolongation of the Q–T interval induced by amiodarone. Bhandari AK, et al. **PACE** 1984 May;7(3 Pt 1):341–5
Amiodarone therapy in children: a cautionary comment. Hesslein PS. **Pediatrics** 1983 Dec;72(6):817–8
Exposure to polychlorinated dibenzo–p–dioxins and dibenzo–furans in the environment. Hardell L. **Prog Clin Biol Res** 1983;132E:357–69
Re: Speculation on the mechanism for amiodarone–induced pneumonitis [letter] Camus P, et al. **Radiology** 1984 Jan; 150(1):279–80
Pneumonitis after amiodarone therapy. Olson LK, et al. **Radiology** 1984 Feb;150(2):327–30
Amiodarone pneumonitis: three further cases with a review of published reports. Darmanata JI, et al. **Thorax** 1984 Jan; 39(1):57–64
Amiodarone keratopathy. Fraunfelder FT, et al. **Trans Ophthalmol Soc NZ** 1984;36:33–4
Amiodarone pulmonary toxicity. Colgan T, et al. **Ultrastruct Pathol** 1984;6(2–3):199–207
[Interstitial and alveolar lung changes following treatment with amiodarone] Schrijver G, et al. **Ned Tijdschr Geneeskd** 1983 Oct 15;127(42):1926–8 (Eng. Abstr.) (Dut)
[Lung abnormalities in interstitium and alveoli following treatment with amiodarone (letter)] van Rooy WJ, et al. **Ned Tijdschr Geneeskd** 1984 Jan 14;128(2):85–6 (Dut)
[Amiodarone and hyperthyroidism] Fabre JL, et al. **Ann Cardiol Angeiol (Paris)** 1984 Apr;33(3):175–8 (Eng. Abstr.) (Fre)

[Amiodarone and hyperthyroidism. Several guidemarks for the practitioner] Nguyen G, et al. **Ann Cardiol Angeiol (Paris)** 1983 Jul–Sep;32(5):351–3 (Eng. Abstr.) **(Fre)**

[Pulmonary fibrosis during treatment involving amiodarone] Fournier JP, et al. **Ann Fr Anesth Reanim** 1984;3(4):324 **(Fre)**

[Diffuse interstitial pneumonitis. Possible responsibility of amiodarone. Apropos of a case and review of the literature] Ruesch C, et al. **Poumon Coeur** 1983;39(5):263–7 (8 ref.) (Eng. Abstr.) **(Fre)**

[Interstitial pneumopathy in subjects treated with amiodarone] Dezile G, et al. **Presse Med** 1983 Nov 26; 12(43):2747–50 (Eng. Abstr.) **(Fre)**

[Neuropathies induced by amiodarone (letter)] Dubois A, et al. **Presse Med** 1984 May 19;13(21):1338–9 **(Fre)**

[Amiodarone–induced neuropathy of late appearance (letter)] Duboureau J, et al. **Presse Med** 1983 Nov 26;12(43):2766 **(Fre)**

[Amiodarone: a new etiology of diffuse interstitial pneumopathy? Apropos of 2 personal cases and 10 cases from the literature] Vergnon JM, et al. **Rev Mal Respir** 1984;1(1):43–50 (Eng. Abstr.) **(Fre)**

[The amiodarone lung] Akoun G, et al. **Rev Pneumol Clin** 1984;40(1):41–5 (27 ref.) (Eng. Abstr.) **(Fre)**

[Amiodarone: a new cause of hypersensitivity pneumopathy?] Arlet P, et al. **Rev Pneumol Clin** 1984;40(3):205–7 (Eng. Abstr.) **(Fre)**

[Formation of multiple round foci in the lung during amiodarone therapy] Criée CP, et al. **Dtsch Med Wochenschr** 1984 Mar 30;109(13):499–500 (Eng. Abstr.) **(Ger)**

[Changes in thyroid function during anti–arrhythmia therapy with amiodaron (letter)] Pickardt CR. **Dtsch Med Wochenschr** 1983 Dec 2;108(48):1856–7 **(Ger)**

[Therapy of corneal amiodarone lesions caused by continuous, vital anti–arrhythmia therapy] Konen W, et al. **Fortschr Ophthalmol** 1984;81(2):201–3 (Eng. Abstr.) **(Ger)**

[Life threatening alveolitis and hemolysis following amiodarone] Hesselmann J, et al. **Med Welt** 1983 Aug 12; 34(31–32):858–62 **(Ger)**

[Amiodarone–induced thyrotoxicosis] Golik A, et al. **Harefuah** 1983 Feb 1;104(3):87–9 (Eng. Abstr.) **(Heb)**

[Incidence of undesirable effects in long–term treatment with amiodarone] Erba SM, et al. **Clin Ter** 1983 Oct 31; 107(2):95–101 (Eng. Abstr.) **(Ita)**

[Complications of long–term treatment with amiodarone] Aleksandrow D, et al. **Kardiol Pol** 1984;27(1):77–83 (Eng. Abstr.) **(Pol)**

[Interstitial pneumonia associated with the use of amiodarone. Report of a case] Dantas JC, et al. **Arq Bras Cardiol** 1983 Jun;40(6):409–11 (Eng. Abstr.) **(Por)**

[Amiodarone and diffuse alveolar–interstitial pulmonary infiltrate. A case report] Moura A, et al. **Arq Bras Cardiol** 1984 Mar;42(3):213–6 (Eng. Abstr.) **(Por)**

[Amiodarone and hyperthyroidism (letter)] Sáenz L, et al. **Med Clin (Barc)** 1983 Oct 29;81(13):600 **(Spa)**

[Hyperthyroidism induced by amiodarone. Clinical observations in the extra–hospital environment (letter)] Trilla Soler M, et al. **Med Clin (Barc)** 1984 May 19; 82(19):866 **(Spa)**

[Pulmonary fibrosis induced by amiodarone] Torres Romero J, et al. **Rev Esp Cardiol** 1984 Mar–Apr;37(2):142–4 (Eng. Abstr.) **(Spa)**

[Usefulness of the reverse T3 (rT3) determination in patients under chronic treatment with amiodarone] de los Angeles Valenzuela M, et al. **Rev Med Chil** 1984 Mar;112(3):228–32 (Eng. Abstr.) **(Spa)**

ANALYSIS

Polychlorinated biphenyls and dibenzofurans in patients with yusho and their toxicological significance: a review. Masuda Y, et al. **Am J Ind Med** 1984;5(1–2):31–44 (39 ref.)

Determination of amiodarone in pharmaceuticals by reversed–phase ion–pair high–performance liquid chromatography. Amato A, et al. **Farmaco [Prat]** 1984 Mar; 39(3):96–100

Physicochemical and analytical characteristics of amiodarone. Bonati M, et al. **J Pharm Sci** 1984 Jun; 73(6):829–31

Screening for impurities in butoprozine. Drenth BF, et al. **Pharm Weekbl [Sci]** 1983 Aug 26;5(4):149–52

[A method for the fluorimetric determination of usnic acid in pharmaceutical preparations] Bruno S, et al. **Boll Soc Ital Biol Sper** 1983 Jul 30;59(7):914–20 (Eng. Abstr.) **(Ita)**

[Contamination of chlorophenols and various herbicides of Polish production with polychlorinated dibenzofurans] Górski T, et al. **Rocz Panstw Zakl Hig** 1984;35(1):77–82 (Eng. Abstr.) **(Pol)**

BLOOD

Amiodarone: prolonged elimination following cessation of chronic therapy. Wilkinson PR, et al. **Am Heart J** 1984 Apr;107(4):787–8

Plasma and red blood cell concentrations of amiodarone during chronic therapy. Heger JJ, et al. **Am J Cardiol** 1984 Mar 15;53(7):912–7

Amiodarone: correlation of serum concentration with suppression of complex ventricular ectopic activity. Mostow ND, et al. **Am J Cardiol** 1984 Sep 1;54(6):569–74

Steady–state serum amiodarone concentrations: relationships with antiarrhythmic efficacy and toxicity. Rotmensch HH, et al. **Ann Intern Med** 1984 Oct;101(4):462–9

Amiodarone–digoxin interaction. Clinical and experimental observations. Oetgen WJ, et al. **Chest** 1984 Jul;86(1):75–9

Liquid–chromatographic determination of amiodarone and its N–desethyl metabolite in plasma [letter] Gupta RN, et al. **Clin Chem** 1984 Aug;30(8):1423–4

Liquid–chromatographic determination of amiodarone and its desethyl metabolite in plasma [letter] Shipe JR. **Clin Chem** 1984 Jul;30(7):1259

Amiodarone disposition: polyexponential, power and gamma functions [letter] Tucker GT, et al. **Eur J Clin Pharmacol** 1984;26(5):655–6

New, accurate semi–automatic high–performance liquid chromatographic method for routine monitoring of amiodarone plasma levels. Duranti L, et al. **J Chromatogr** 1983 Oct 14;277:401–7

Determination of amiodarone and its N–deethylated metabolite in serum by high–performance liquid chromatography. Mostow ND, et al. **J Chromatogr** 1983 Oct 14;277:229–37

Binding of amiodarone by serum proteins and the effects of drugs, hormones and other interacting ligands. Lalloz MR, et al. **J Pharm Pharmacol** 1984 Jun;36(6):366–72

[Monitoring amiodarone] Glasson S, et al. **Schweiz Med Wochenschr** 1983 Nov 19;113(46):1731–2 (Eng. Abstr.) **(Fre)**

[Control of anti–arrhythmia therapy with amiodarone. Value of the determination of blood levels] Nitsch J, et al. **Dtsch Med Wochenschr** 1984 Mar 30;109(13):492–5 (Eng. Abstr.) **(Ger)**

CHEMICAL SYNTHESIS

Synthesis and antimicrobial activity of some 2–(2–nitroethenyl)naphthofuran and –benzofuran derivatives. Gatti R, et al. **Arch Pharm (Weinheim)** 1983 Oct;316(10):849–51

2,3–dihydro–3–(1–pyrryl)spiro[benzofuran–2,4'–piperidine] and 2,3–dihydro–3–(1–pyrryl)spiro[benzofuran–2,3'–pyrrolidin novel antihypertensive agents. Davis L, et al. **J Med Chem** 1983 Oct;26(10):1505–10

Certain benzofuran derivatives as potential anticholinesterases. El–Kateb AA, et al. **Pharmazie** 1984 Apr;39(4):273–4

Synthesis of benzofurancarboxylic acids and their aminoesters, potential circulatory drugs. Zawadowski T, et al. **Pol J Pharmacol Pharm** 1982 Nov–Dec; 34(5–6):433–40

[Synthesis and biological properties of 2–nitrobenzofurans] Royer R. **Ann Pharm Fr** 1983;41(4):299–311 (Eng. Abstr.) **(Fre)**

[A new nitrogen–containing polycyclic system. Synthesis and pharmacologic properties of benzofuran and thienothiadiazolepyrimidine derivatives. I] Russo F, et al. **Farmaco [Sci]** 1983 Oct;38(10):762–74 (Eng. Abstr.) **(Ita)**

ISOLATION & PURIFICATION

Polychlorinated biphenyls, dibenzofurans, and quaterphenyls in the toxic rice–bran oil and PCBs in the blood of patients with PCB poisoning in Taiwan. Chen PH, et al. **Am J Ind Med** 1984;5(1–2):133–45

METABOLISM

Pharmacokinetics and body distribution of amiodarone in man. Plomp TA, et al. **Arzneimittelforsch** 1984;34(4):513–20

QT interval: predictor of the plasma and myocardial concentrations of amiodarone [letter] Brown AK, et al. **Br Heart J** 1984 Aug;52(2):240

The QT interval: a predictor of the plasma and myocardial concentrations of amiodarone. Debbas NM, et al. **Br Heart J** 1984 Mar;51(3):316–20

Clinical pharmacokinetics of amiodarone. Latini R, et al. **Clin Pharmacokinet** 1984 Mar–Apr;9(2):136–56 (87 ref.)

Alpha, beta–ketoalkene reduction. A novel reduction pathway in mammalian tissues. Lindstrom TD, et al. **Drug Metab Dispos** 1984 Jan–Feb;12(1):72–6

Bioavailability of amiodarone [letter] Tucker GT, et al. **Eur J Clin Pharmacol** 1984;26(4):533–4

Mass spectrometric identification of amiodarone N–monodesethyl metabolite and application of an HPLC method to a pharmacokinetic study. Marchiset D, et al. **Eur J Drug Metab Pharmacokinet** 1984 Apr–Jun;9(2):123–8

High–performance liquid chromatographic comparison of in vivo and in vitro drug metabolism. Voelter W, et al. **J Chromatogr** 1984 May 4;290:1–12

Toxicity and distribution of 2,3,7,8–tetrachlorodibenzofuran in male guinea pigs. Ioannou YM, et al. **J Toxicol Environ Health** 1983 Oct–Dec;12(4–6):541–53

A review of the clinical pharmacokinetics of amiodarone. Paton DM, et al. **Methods Find Exp Clin Pharmacol** 1984 Jan;6(1):41–9 (44 ref.)

Amiodarone: individualizing dosage with serum concentrations. Rotmensch HH, et al. **PACE** 1983 Nov; 6(6):1327–35

Renal elimination of amiodarone and its desethyl metabolite. Harris L, et al. **Postgrad Med J** 1983 Jul;59(693):440–2

Inhibition of platelet thromboxane A2 synthase activity by sodium 5–(3'–pyridinylmethyl)benzofuran–2–carboxylate. Gorman RR, et al. **Prostaglandins** 1983 Aug;26(2):325–42

Polychlorinated dibenzofurans (PCDFs): effects of structure on binding to the 2,3,7,8–TCDD cytosolic receptor protein, AHH induction and toxicity. Bandiera S, et al. **Toxicology** 1984 Aug;32(2):131–44

[Interaction of amiodarone and digoxin] Nager G, et al. **Schweiz Med Wochenschr** 1983 Nov 19;113(46):1727–30 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Electrophysiologic effects of amiodarone [letter] Santinelli V, et al. **Am Heart J** 1983 Nov;106(5 Pt 1):1170–1

Effect of amiodarone on serum quinidine and procainamide levels. Saal AK, et al. **Am J Cardiol** 1984 May 1; 53(9):1264–7

Effects of oral amiodarone on left ventricular function in dogs: clinical implications for patients with life–threatening ventricular tachycardia. Landymore R, et al. **Ann Thorac Surg** 1984 Feb;37(2):141–6

Pre– and postsynaptic alpha–adrenoceptor blocking properties of a new dihydrobenzofurane derivative (imidazolinyl–2)–2–dihydro 2,3 benzofurane (S 9871) and its stereoisomers in rats. Joly G, et al. **Arch Int Pharmacodyn Ther** 1984 Jun;269(2):277–86

Amiodarone therapy for life threatening or refractory cardiac arrhythmias. Johns JA, et al. **Aust NZ J Med** 1983 Jun; 13(3):248–56

Effect of amiodarone on retrograde conduction and refractoriness of the His–Purkinje system in man. Reddy CP, et al. **Br Heart J** 1984 Jun;51(6):648–53

Temperature–induced changes in dissociation constants (KA) of agonists at cardiac beta–adrenoceptors determined by use of the irreversible antagonist Ro 03–7894. Broadley KJ, et al. **Br J Pharmacol** 1983 Jun;79(2):517–24

Is Ro 03–7894 an irreversible antagonist at beta–adrenoceptor sites? Krstew E, et al. **Br J Pharmacol** 1984 Jun;82(2):501–8

Does amiodarone affect heart rate by inhibiting the intracellular generation of triiodothyronine from thyroxine? Lindenmeyer M, et al. **Br J Pharmacol** 1984 May; 82(1):275–80

Alterations to the electrical activity of atrial muscle isolated from the rat heart, produced by exposure in vitro to amiodarone. Northover BJ. **Br J Pharmacol** 1984 May; 82(1):191–7

Digoxin–amiodarone interaction: in vivo and in vitro studies in rats. Koren G, et al. **Can J Physiol Pharmacol** 1983 Dec; 61(12):1483–6

Functional significance of chronotropic response during chronic amiodarone therapy. Rod JL, et al. **Cardiology** 1984;71(1):40–7

Block of inactivated sodium channels and of depolarization–induced automaticity in guinea pig papillary muscle by amiodarone. Mason JW, et al. **Circ Res** 1984 Sep;55(3):278–85

The effects of amiodarone on serum thyroid hormones and hepatic thyroxine 5'–monodeiodination in rats. Sogol PB, et al. **Endocrinology** 1983 Oct;113(4):1464–9

Influence of amiodarone on oral digoxin bioavailability in healthy volunteers. Maragno I, et al. **Int J Clin Pharmacol Res** 1984;4(2):149–53

Radiosensitizing effect of 2–nitrobenzofurans on V79 cells. Guichard M, et al. **Int J Radiat Biol** 1984 Apr; 45(4):399–402

Effect of amiodarone on thyroid hormone economy. Posner J, et al. **Isr J Med Sci** 1984 Feb;20(2):113–7

Hemodynamic effects of intravenous amiodarone. Kosinski EJ, et al. **J Am Coll Cardiol** 1984 Sep;4(3):565–70

Amiodarone–digoxin interaction: clinical significance, time course of development, potential pharmacokinetic mechanisms and therapeutic implications. Nademanee K, et al. **J Am Coll Cardiol** 1984 Jul;4(1):111–6

Pharmacodynamics of intravenous amiodarone in the dog. Connolly SJ, et al. **J Cardiovasc Pharmacol** 1984 May–Jun; 6(3):531–5

The effect on the rat isolated atria of amiodarone in the presence of either ouabain or verapamil. Bowles BJ, et al. **J Pharm Pharmacol** 1983 Dec;35(12):799–803

Antitussive effect of RU–20201—central and peripheral actions. Yanaura S, et al. **Jpn J Pharmacol** 1984 Mar; 34(3):289–98

Influence of amiodarone on plasma and urine digoxin concentrations [letter] Douste–Blazy P, et al. **Lancet** 1984 Apr 21;1(8382):905

Amiodarone and plasma digoxin levels [letter] Mingardi G. **Lancet** 1984 Jun 2;1(8388):1238

Amiodarone and plasma digoxin levels [letter] Wilkins MR, et al. **Lancet** 1984 May 26;1(8387):1180

Computerized M–mode echocardiography in the assessment of cardiovascular effects during intravenous administration of amiodarone. Cinelli P, et al. **Methods Find Exp Clin Pharmacol** 1984 Jan;6(1):27–32

Effect of the compound 'chloridarol' on plasma lipids and apolipoprotein levels. Avogaro P, et al. **Pharmacol Res Commun** 1983 Jul;15(7):655–60

Decreasing inhibitory potency of prostaglandin synthetase inhibitors during their cooxidative metabolism. Studies on aminophenols, pyrazolon derivatives and 1,3–diphenylisobenzofuran. Baumann J, et al. **Pharmacology** 1983;27(5):267–80

Investigation of new benzofurane, benzopiran and furanochromone derivatives--potential antiarrhythmic and hypotensive agents. Jędrych Z, et al. **Pol J Pharmacol Pharm** 1983 Sep-Oct;35(5):397-403

Sodium 5-(3'-pyridinylmethyl)benzofuran-2-carboxylate (U-63557A), a new, selective thromboxane synthase inhibitor: intravenous and oral pharmacokinetics in dogs and correlations with ex situ thromboxane B2 production. Wynalda MA, et al. **Prostaglandins** 1983 Aug;26(2):311-24

[Vascular effects of dialkylaminoalkyl ethers of eurapone or isomers of euparone] Riffaud JP, et al. **Ann Pharm Fr** 1983; 41(6):603-10 (Eng. Abstr.) **(Fre)**

[Uric acid-lowering effect of a combination of benzbromarone and allopurinol--studies under standardized dietary conditions] Löffler W, et al. **Arzneimittelforsch** 1983;33(12):1687-91 (Eng. Abstr.) **(Ger)**

[The effect of amiodarone on thyroid gland function] Goedel-Meinen L, et al. **Z Kardiol** 1984 Jun;73(6):399-404 (Eng. Abstr.) **(Ger)**

[Evaluation of the calcium antagonist activity of benfurodil hemisuccinate in vascular smooth muscle] Monti E, et al. **Farmaco [Prat]** 1983 Sep;38(9):334-43 (Eng. Abstr.) **(Ita)**

[Digoxin-amiodarone interaction] Strocchi E, et al. **G Ital Cardiol** 1984 Jan;14(1):12-5 (Eng. Abstr.) **(Ita)**

[Effect of benfurodil hemiscucinate (Eucilat) on various hemorheologic parameters in patients with chronic peripheral obstructive arteriopathies] Mozzi E, et al. **Minerva Cardioangiol** 1984 Mar;32(3):141-9 (Eng. Abstr.) **(Ita)**

[Effect of amiodarone on ventricular systolic time intervals in patients with coronary disease] Markiewicz M, et al. **Pol Tyg Lek** 1984 Jan 30;39(5):143-6 (Eng. Abstr.) **(Pol)**

[Electrocardiographic and hemodynamic effects of amiodarone hydrochloride by intravenous route] Bellotti G, et al. **Arq Bras Cardiol** 1983 Feb;40(2):141-4 (Eng. Abstr.) **(Por)**

[Effects of amiodarone on the elastic properties of the left ventricle in chronic Chagas' cardiomyopathy] Bellotti G, et al. **Arq Bras Cardiol** 1983 Jul;41(1):71-5 (Eng. Abstr.) **(Por)**

POISONING

Causal agents of yusho. Kunita N, et al. **Am J Ind Med** 1984; 5(1-2):45-58

Polychlorinated biphenyls, dibenzofurans, and quaterphenyls in the toxic rice-bran oil and PCBs in the blood of patients with PCB poisoning in Taiwan. Chen PH, et al. **Prog Clin Biol Res** 1984;137:133-45

Causal agents of Yusho. Kunita N, et al. **Prog Clin Biol Res** 1984;137:45-58

Polychlorinated biphenyls and dibenzofurans in patients with Yusho and their toxicological significance: a review. Masuda Y, et al. **Prog Clin Biol Res** 1984;137:31-44

[Pharmacokinetics of amiodarone in one case of acute oral intoxication] Fortunati MT, et al. **G Ital Cardiol** 1983; 13(5):385-8 (Eng. Abstr.) **(Ita)**

THERAPEUTIC USE

The value of amiodarone for the treatment of unstable angina. Bertholet M, et al. **Acta Cardiol (Brux)** 1983;38(6):503-11

Replacement of amiodarone by sotalol for repetitive ventricular premature beats. Burckhardt D, et al. **Am Heart J** 1984 Jan;107(1):167-8

Efficacy of amiodarone during long-term treatment of malignant ventricular arrhythmias in patients with chronic chagasic myocarditis. Chiale PA, et al. **Am Heart J** 1984 Apr;107(4):656-65

Effects of intravenous amiodarone in patients with inducible repetitive ventricular responses and ventricular tachycardia. Hariman RJ, et al. **Am Heart J** 1984 Jun; 107(6):1109-17

Efficacy of amiodarone during long-term treatment of potentially dangerous ventricular arrhythmias in patients with chronic stable ischemic heart disease. Kaski JC, et al. **Am Heart J** 1984 Apr;107(4):648-55

Prognosis after sudden cardiac death without associated myocardial infarction: one year follow-up of empiric therapy with amiodarone. Peter T, et al. **Am Heart J** 1984 Feb;107(2):209-13

Effects of amiodarone on supraventricular tachycardia involving bypass tracts. Alboni P, et al. **Am J Cardiol** 1984 Jan 1;53(1):93-8

Hemodynamic effects of intravenous administration of amiodarone in congestive heart failure from chronic Chagas' disease. Bellotti G, et al. **Am J Cardiol** 1983 Nov 1;52(8):1046-9

Efficacy of amiodarone in the Wolff-Parkinson-White syndrome with rapid ventricular response via accessory pathway during atrial fibrillation. Kappenberger LJ, et al. **Am J Cardiol** 1984 Aug 1;54(3):330-5

Long-term clinical outcome of ventricular tachycardia or fibrillation treated with amiodarone. McGovern B, et al. **Am J Cardiol** 1984 Jun 1;53(11):1558-63

Long-term efficacy and toxicity of high-dose amiodarone therapy for ventricular tachycardia or ventricular fibrillation. Morady F, et al. **Am J Cardiol** 1983 Nov 1; 52(8):975-9

Clinical pharmacology of amiodarone. Marcus FI. **Ann NY Acad Sci** 1984;427:112-26 (40 ref.)

Clinical evaluation of the efficacy of oral amiodarone [editorial] McKenna WJ, et al. **Br Heart J** 1984 Mar; 51(3):241-2

Long-term amiodarone therapy: a cause of increased hepatic attenuation on CT. Patrick D, et al. **Br J Radiol** 1984 Jul; 57(679):573-6

Ventricular fibrillation in a conscious canine preparation of sudden coronary death--prevention by short- and long-term amiodarone administration. Patterson E, et al. **Circulation** 1983 Oct;68(4):857-64

Amiodarone--application and clinical pharmacology in atrial fibrillation and other arrhythmias. Anastasiou-Nana M, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 May; 22(5):229-35

Electrophysiologic basis for the suppression by amiodarone of orthodromic supraventricular tachycardias complicating pre-excitation syndromes. Feld GK, et al. **J Am Coll Cardiol** 1984 May;3(5):1298-307

Toxic and therapeutic effects of amiodarone in the treatment of cardiac arrhythmias. Greene HL, et al. **J Am Coll Cardiol** 1983 Dec;2(6):1114-28

Effect of amiodarone on conduction and refractoriness of the His-Purkinje system in the human heart. Shenasa M, et al. **J Am Coll Cardiol** 1984 Jul;4(1):105-10

Sodium 5-(3'-pyridinylmethyl)benzofuran-2-carboxylate (U-63557A) potentiates protective effect of intravenous eicosapentaenoic acid on impaired CBF in ischemic gerbils. Black KL, et al. **J Neurosurg** 1984 Sep;61(3):453-7

Amiodarone--when and for whom? [editorial] **Lancet** 1983 Nov 12;2(8359):1123-4

The use of amiodarone in children. Coumel P, et al. **PACE** 1983 Sep;6(5 Pt 1):930-9

Is amiodarone an ideal antiarrhythmic drug? Rosenbaum MB, et al. **PACE** 1984 Mar;7(2):272-5 (26 ref.)

Amiodarone for refractory automatic atrial tachycardia: observations on the electrophysiological actions of amiodarone. Wiener I, et al. **PACE** 1984 Jul;7(4):707-9

Amiodarone in control of sustained tachyarrhythmias in children with Wolff-Parkinson-White syndrome. Shahar E, et al. **Pediatrics** 1983 Dec;72(6):813-6

[Effect of amiodarone treatment on the myocardial infart size in experimental dogs] Cao J. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1984 Mar; 12(1):51-4 (Eng. Abstr.) **(Chi)**

[Clinical observation on 341 patients with arrhythmia treated with amiodarone] Hu ZM. **Chung Hua Nei Ko Tsa Chih** 1983 Nov;22(11):662-6 (Eng. Abstr.) **(Chi)**

[Amiodarone in the treatment of dysrhythmia] Zeman K, et al. **Vnitr Lek** 1984 May;30(5):488-96 (Eng. Abstr.) **(Cze)**

[Electrocardiographic effects and antiarrhythmic action of 1200 mg of oral amiodarone per day] Tonet JL, et al. **Ann Cardiol Angeiol (Paris)** 1984 Jul-Sep;33(5):309-15 (Eng. Abstr.) **(Fre)**

[Value of provocation tests in the evaluation of the treatment of ventricular tachycardias with amiodarone] Cassagneau B, et al. **Arch Mal Coeur** 1984 Jul;77(7):766-72 (Eng. Abstr.) **(Fre)**

[Amiodarone in paroxysmal supra-ventricular tachycardias associated with sinus bradycardia] Conte MR, et al. **Arch Mal Coeur** 1983 Oct;76(10):1204-11 (Eng. Abstr.) **(Fre)**

[Thyroid functional parameters during anti-arrhythmia therapy with amiodarone] Weissel M, et al. **Acta Med Austriaca** 1984;11(3-4):113-7 (Eng. Abstr.) **(Ger)**

[Excretion and serum concentrations of allopurinol, oxipurinol and oxipurines in combined treatment with allopurinol and benzbromarone in increasing doses] Mertz DP, et al. **Med Welt** 1983 Sep 9;34(36):974-9 **(Ger)**

[Drug therapy of angina pectoris] Burkart F. **Schweiz Med Wochenschr** 1983 Dec 17;113(50):1898-903 (18 ref.) (Eng. Abstr.) **(Ger)**

[Amiodarone in the bradycardia-tachycardia syndrome. 2-year follow-up] Conte MR, et al. **Boll Soc Ital Cardiol** 1982;27(6):581-6 **(Ita)**

[Amiodarone in the acute treatment of hyperkinetic arrhythmias in cardiosurgery] Vitale P, et al. **Boll Soc Ital Cardiol** 1983 May;28(5):419-29 (Eng. Abstr.) **(Ita)**

[Amiodarone, a new anti-arrhythmia agent in arrhythmia associated with myocardial infarct] Watanabe Y, et al. **Nippon Rinsho** 1983 Dec;41(12):2766-70 **(Jpn)**

[Electrophysiological studies on the effect of cordarone] Piwowarska W, et al. **Kardiol Pol** 1984;27(3):181-9 (Eng. Abstr.) **(Pol)**

[Effect of previous administration of amiodarone on the early incidence of ventricular fibrillation during experimental myocardial ischemia] Spadaro J, et al. **Arq Bras Cardiol** 1984 Jan;42(1):25-9 (Eng. Abstr.) **(Por)**

[Effect of cordarone on the ultrastructure of cardiac muscle cells in experimental myocardial infarct] Kleimenova NN, et al. **Biull Eksp Biol Med** 1984 May;97(5):579-82 (Eng. Abstr.) **(Rus)**

[Use of a nomogram in treating cardiac arrhythmias with cordarone] Frenkel' VI, et al. **Vrach Delo** 1984 Mar;(3):54-6 (Eng. Abstr.) **(Rus)**

[Is there a place for amiodarone in the treatment of the Romano-Ward syndrome?] Rumboldt Z. **Lijec Vjesn** 1984 Feb-Mar;106(2-3):68-70 (Eng. Abstr.) **(Scr)**

[Influence of treatment with amiodarone in response to electric cardioversion in patients with complete arrhythmia caused by auricular fibrillation] del Río Ligorit A, et al. **Med Clin (Barc)** 1983 Nov 5;81(14):618-20 (Eng. Abstr.) **(Spa)**

[Treatment of auricular tachyarrhythmias in the acute phase of myocardial infarct with intravenous amiodarone] Taboada Taboada M, et al. **Rev Clin Esp** 1983 Jun 15-30; 169(5-6):337-8 (Eng. Abstr.) **(Spa)**

TOXICITY

Amiodarone-induced pulmonary fibrosis in hamsters. Cantor JO, et al. **Exp Lung Res** 1984;6(1):1-10

Depressive effect of amiodarone on hepatic drug metabolism in the rat. Grech-Bélanger O. **Res Commun Chem Pathol Pharmacol** 1984 Apr;44(1):15-30

Teratogenicity of 2.3.7.8-tetrachlorodibenzofuran (TCDF) in mice. Weber H, et al. **Toxicol Lett** 1984 Feb;20(2):183-8

[Toxicological and hygienic characteristics of polychlorodibenzofurans and polychlorodibenzo-p-dioxins (a review of the literature)] Tolstopiatova GV. **Vrach Delo** 1984 Feb;(2):99-103 **(Rus)**

BENZOIN

High-performance liquid chromatographic analyser for guanidino compounds using benzoin as a fluorogenic reagent. Hung YL, et al. **J Chromatogr** 1984 Feb 10; 305(2):281-94

ANALYSIS

Reduced pH associated with mixture of povidone-iodine and compound tincture of benzoin. Schillaci LJ, et al. **Am J Hosp Pharm** 1983 Oct;40(10):1694-5

BENZOL see **BENZENE**

BENZOLAMIDE see under **THIADIAZOLES**

BENZOMORPHAN see under **MORPHINANS**

BENZOPHENONEIDUM see under **ANILINE COMPOUNDS**

BENZOPHENONES

ADMINISTRATION & DOSAGE

Intravenous indomethacin in biliary pain. A clinical investigation with metamizole as the control. Niinikoski J, et al. **Ann Chir Gynaecol** 1984;73(2):69-72

[Use of baralgin in the treatment of the ischemic pain syndrome and as a component of general anesthesia in angiosurgery] Ivaniushko VL. **Klin Khir** 1983 Jul;(7):72 **(Rus)**

ANALYSIS

Assay of mixtures of padimate-O and oxybenzone in sunscreen formulations by high-performance liquid chromatography. Tan HS, et al. **J Chromatogr** 1984 May 18;291:275-82

METABOLISM

[Metabolic pathways of 3H-5-bromo-2'-chloro-2-aminobenzophenone in the body of rats and mice (a model of the aromatic hydroxylation of phenazepam)] Bogatskii AV, et al. **Izv Akad Nauk SSSR [Biol]** 1983 Sep-Oct;(5):770-7 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

[Effect of Baralgin on isolated preparations of the upper urinary tract in man] Hertle L, et al. **Urol Int** 1984; 39(2):84-90 (Eng. Abstr.) **(Ger)**

BENZOPYRANS

Repair of amino acid radicals by a vitamin E analogue. Bisby RH, et al. **Biochem Biophys Res Commun** 1984 Feb 29; 119(1):245-51

Lugol's hematoxylin. Clark G, et al. **Stain Technol** 1983 Jul; 58(4):232-3

[Hematoxylin and eosin staining of semi-thin sections of aldehyde-osmium tetroxide-fixed tissues embedded in epoxy resin 'Quetol 812'] Kushida T, et al. **Kaibogaku Zasshi** 1984 Feb;59(1):3-8 (Eng. Abstr.) **(Jpn)**

[Study of the hematoxylin and eosin staining reaction] Senba M. **Rinsho Byori** 1983 Nov;31(11):1263-5 **(Jpn)**

[Modified method of staining semi-thin sections with hematoxylin and eosin] Migalkin NS, et al. **Arkh Patol** 1983; 45(8):88-9 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Nonsteroidal estrogens of dietary origin: possible roles in hormone-dependent disease. Setchell KD, et al. **Am J Clin Nutr** 1984 Sep;40(3):569-78 (69 ref.)

[Immunohematologic studies on the correlations between (+)-cyanidanol-3-(catergen) therapy and hemolytic anemia] Pausch V, et al. **Wien Med Wochenschr** 1983 Nov 15;133(21):559-65 (Eng. Abstr.) **(Ger)**

[Model studies on the behavior of benzo-pyrans in the soil]

Fritz W. Z Gesamte Hyg 1983 Jul;29(7):367–9 (Eng. Abstr.) (Ger)

[(+)-Cyanidanol-3 induced fever (letter)] Redón J, et al. Med Clin (Barc) 1983 Nov 26;81(17):784 (Spa)

ANALYSIS

Determination of citrinin in corn and barley on thin layer chromatographic plates impregnated with glycolic acid. Gimeno A. J Assoc Off Anal Chem 1984 Jan–Feb; 67(1):194–6

Fluorometric screening method for citrinin in corn, barley, and peanuts. Trantham AL, et al. J Assoc Off Anal Chem 1984 Jan–Feb;67(1):37–8

[Model tests on the passage of benzo(a)pyran from the soil into crops] Fritz W. Z Gesamte Hyg 1983 Jul;29(7):370–3 (Eng. Abstr.) (Ger)

[Biologically active procyanidin content of Crateagus drugs] Vadász A, et al. Acta Pharm Hung 1984 Mar;54(2):49–57 (Eng. Abstr.) (Hun)

BIOSYNTHESIS

Induction of phytoalexin synthesis in soybean. Stereospecific 3,9–dihydroxypterocarpan 6a–hydroxylase from elicitor–induced soybean cell cultures. Hagmann ML, et al. Eur J Biochem 1984 Jul 2;142(1):127–31

BLOOD

Binding of centchroman—a nonsteroidal antifertility agent to human plasma proteins. Srivastava AK, et al. Experientia 1984 May 15;40(5):465–6

CHEMICAL SYNTHESIS

Cycloaddition of dichloroketene to N,N–disubstituted 3–aminomethylene–5–hydroxy–2,2–dimethyl–7–pentyl–4–c synthesis of 2H,5H–pyrano[3,2–c][1]benzopyran derivatives. Cafaggi S, et al. Farmaco [Sci] 1983 Oct; 38(10):775–83

Synthesis and antihypertensive activity of 6,7–disubstituted trans–4–amino–3,4–dihydro–2,2–dimethyl–2H–1–benzopyr Evans JM, et al. J Med Chem 1984 Sep;27(9):1127–31

Synthesis and antihypertensive activity of substituted trans–4–amino–3,4–dihydro–2,2–dimethyl–2H–1–benzopyr Evans JM, et al. J Med Chem 1983 Nov;26(11):1582–9

2,3–dihydro–4H–1–benzopyran–4–one O–carbamoyloximes, a series of gastric antisecretory agents. Wright GC, et al. J Pharm Sci 1983 Nov;72(11):1361–3

[Synthesis of (3–2H)–and (3–3H)–cianidanol] Miura S, et al. Radioisotopes 1983 May;32(5):225–30 (Eng. Abstr.) (Jpn)

[Studies on the synthesis and antiallergic activity of 5H–[1]–benzopyrano[2,3–b]pyridine derivatives] Oe T, et al. Yakugaku Zasshi 1983 Mar;103(3):300–12 (Eng. Abstr.) (Jpn)

DIAGNOSTIC USE

Alpha–1–antitrypsin hematoxylin and eosin fluorescence: a rapid, useful screening technic. Dervan PA. Am J Clin Pathol 1984 Aug;82(2):188–90

Simultaneous demonstration of connective tissue elastica and fibrin by a combined Verhoeff's elastic–Martius–scarlet–blue trichrome stain. Buk SJ. Stain Technol 1984 Jan;59(1):1–5

ISOLATION & PURIFICATION

A muscle–relaxant catechin derivative from Elaeodendron balae (Celastraceae). Weeratunga G, et al. Acta Pharm Suec 1984;21(1):73–6

METABOLISM

Transport of citrinin by rat renal cortex. Berndt WO. Arch Toxicol 1983 Sep;54(1):35–40

Metabolism and hepatotoxicity of the naturally occurring benzo[b]pyran precocene I. Halpin RA, et al. Chem Biol Interact 1984 Mar;48(3):297–315

The effects of an experimental hepatitis on the metabolic disposition of 3–o–(+)–[14C]methylcatechin in the rat. Hackett AM, et al. Drug Metab Dispos 1983 Nov–Dec; 11(6):602–6

Isolation and identification of dihydrocitrinone, a urinary metabolite of citrinin in rats. Dunn BB, et al. J Toxicol Environ Health 1983 Aug–Sep;12(2–3):283–9

PHARMACODYNAMICS

Sexual maturation in male rats after centchroman and naphthofuran administration during neonatal period. Dhar JD, et al. Andrologia 1983 Sep–Oct;15(5):463–7

Biochemical, functional and behavioral evaluation of a series of novel antipsychotic–like agents. Von Voigtlander PF, et al. Arch Int Pharmacodyn Ther 1983 Nov;266(1):23–37

Protection against 3–methylcholanthrene–induced skin tumorigenesis in Balb/C mice by ellagic acid. Mukhtar H, et al. Biochem Biophys Res Commun 1984 Mar 15; 119(2):751–7

The prevention by (+)–Cyanidanol–3 of hepatitis–induced changes in the disposition of imipramine in the rat. Hackett AM, et al. Biochem Pharmacol 1984 Jul 15;33(14):2179–84

Chemiluminescence of the in situ rat liver after acute ethanol intoxication—effect of (+)–cyanidanol–3. Videla LA, et al. Biochem Pharmacol 1983 Sep 15;32(18):2822–5

Fulvic–acid–enhanced biodegradation of aquatic contaminants. Liu D, et al. Bull Environ Contam Toxicol 1983 Aug;31(2):203–7

Protective effects of ellagic acid and other plant phenols on benzo[a]pyrene–induced neoplasia in mice. Lesca P. Carcinogenesis 1983 Dec;4(12):1651–3

Effects of epicatechin on rat islets of Langerhans. Hii CS, et al. Diabetes 1984 Mar;33(3):291–6

Effect of centchroman on in vitro steroid metabolism by pre–implantation rabbit blastocysts. Singh MM, et al. Indian J Exp Biol 1983 Aug;21(8):428–31

Effect of ellagic and caffeic acids on covalent binding of benzo[a]pyrene to epidermal DNA of mouse skin in organ culture. Shugart L, et al. Int J Biochem 1984;16(5):571–3

Ultrastructural effects of the nonsteroidal contraceptive centchroman on rat uterine luminal epithelium in early pregnancy. Mehrotra PK, et al. Int J Fertil 1984; 29(1):44–53

Effect of cyanidanol–3 on lysosomal enzyme activity of serum and granulocytes in chronic liver disease and active hepatitis. Fehér J, et al. Int J Tissue React 1984;6(1):75–80

Effect of cianidanol (KB–53) on the activity of mouse natural killer cells. Ikeda Y, et al. J Pharmacobiodyn 1984 Jan; 7(1):21–3

Effect of cianidanol (KB–53) on the activity of mouse cytotoxic–T–lymphocytes. Ikeda Y, et al. J Pharmacobiodyn 1984 Jan;7(1):15–20

Biochemical mode of action of a hepatoprotective drug: observations on (+)–catechin. Ryle PR, et al. Pharmacol Biochem Behav 1983;18 Suppl 1:473–8

Investigation of new benzofurane, benzopiran and furanochromone derivatives—potential antiarrhythmic and hypotensive agents. Jędrych Z, et al. Pol J Pharmacol Pharm 1983 Sep–Oct;35(5):397–403

[Administration of procyanidolic oligomers in rats. Observed effects on changes in the permeability of the blood–brain barrier] Cahn J, et al. Sem Hop Paris 1983 Jul 7; 59(27–28):2031–4 (Eng. Abstr.) (Fre)

[Administration of procyanidolic oligomers in rats. Observed effects on changes in the cerebral biochemistry, secondary to multiple infarction] Cahn J, et al. Sem Hop Paris 1983 Jul 7;59(27–28):2035–8 (Eng. Abstr.) (Fre)

[Effects of cianidanol on chronic liver injury induced by carbon tetrachloride and on liver regeneration after partial hepatectomy in rats] Sato I, et al. Nippon Yakurigaku Zasshi 1983 Jun;81(6):539–47 (Eng. Abstr.) (Jpn)

[Effect of cianidanol (KB–53) on delayed skin reactions in mice compromised by carbon tetrachloride and 1–naphthylisothiocyanate] Tajima S, et al. Nippon Yakurigaku Zasshi 1983 Jun;81(6):529–38 (Eng. Abstr.) (Jpn)

[Effects of cianidanol (KB–53) on experimental liver injury in mice—histopathological, histochemical and enzyme–histochemical studies] Tajima S, et al. Nippon Yakurigaku Zasshi 1983 Jun;81(6):519–28 (Eng. Abstr.) (Jpn)

POISONING

Citrinin mycotoxicosis in the rabbit. Hanika C, et al. Food Chem Toxicol 1983 Aug;21(4):487–93

THERAPEUTIC USE

Effect of (+)–cyanidanol–3 (Catergen) in chronic active hepatitis. (Catergen plus prednisolone versus prednisolone in a controlled study). Pár A, et al. Acta Med Hung 1983; 40(1):17–24

Influence of dithiocarb, (+)–catechin and silybine on halothane hepatotoxicity in the hypoxic rat model. Siegers CP, et al. Acta Pharmacol Toxicol (Copenh) 1983 Aug; 53(2):125–9

Cianidanol ([+]–cyanidanol–3) prevents the development of abdominal adhesions in rats. Rivkind AI, et al. Arch Surg 1983 Dec;118(12):1431–3

(+)–Cyanidanol–3 in the treatment of acute viral hepatitis: a randomized controlled trial. Schomerus H, et al. Hepatology 1984 Mar–Apr;4(2):331–5

Effect of (+)–cyanidanol–3 on receptor activity of lymphocytes and hepatocytes and on hepatocyte–lymphocyte conjugation in alcoholic liver disease. Sipos J, et al. Int J Tissue React 1984;6(2):145–54

Alloxan–induced diabetes in the rat – protective action of (–) epicatechin? Ryle PR, et al. Life Sci 1984 Feb 6; 34(6):591–5

Use of hepatoprotective drugs in leprosy treatment. Bergel M. Nippon Rai Gakkai Zasshi 1983 Jan–Mar;52(1):62–3

[What is certain in the therapy of hepatocellular diseases with cyanidanol?] Schomerus H. Internist (Berlin) 1983 Dec; 24(12):684–9 (Ger)

[Effects of cianidanol (KB–53) on liver cirrhosis induced by CCl4 in rats: a pathological investigation] Takebe H, et al. Nippon Yakurigaku Zasshi 1983 Jun;81(6):585–91 (Eng. Abstr.) (Jpn)

TOXICITY

Genotoxicity of the natural furochromones, khellin and visnagin and the identification of a khellin–thymine photoadduct. Abeysekera BF, et al. Photochem Photobiol 1983 Sep;38(3):311–5

Studies on the sequential development and pathogenesis of citrinin mycotoxicosis in turkeys and ducklings. Mehdi NA, et al. Vet Pathol 1984 Mar;21(2):216–23

URINE

Soya—a dietary source of the non–steroidal oestrogen equol in man and animals. Axelson M, et al. J Endocrinol 1984 Jul;102(1):49–56

Identification of a non–steroidal estrogen, equol, in the urine of pregnant macaques: correlation with steroidal estrogen excretion. Monfort SL, et al. J Steroid Biochem 1984 Apr; 20(4A):869–76

Isolation and identification of dihydrocitrinone, a urinary metabolite of citrinin in rats. Dunn BB, et al. J Toxicol Environ Health 1983 Aug–Sep;12(2–3):283–9

The metabolism and excretion of (+)–[14C]cyanidanol–3 in man following oral administration. Hackett AM, et al. Xenobiotica 1983 May;13(5):279–86

BENZOPYRENE HYDROXYLASE see under **ARYL HYDROCARBON HYDROXYLASES**

BENZOPYRENES

Stereoselectivity and regioselectivity of uridine–5'–diphosphoglucuronosyltransferase toward vicinal dihydrodiols of polycyclic aromatic hydrocarbons. Lewis DA, et al. Biochemistry 1983 Dec 20;22(26):6297–303

Modifying effect of vitamin A on benzo[a]pyrene–induced respiratory tract tumours in hamsters. Beems RB. Carcinogenesis 1984 Aug;5(8):1057–60

Squamous metaplasia of tracheal submucosal glands induced by benzo[a]pyrene and vitamin A deficiency. Chopra DP, et al. Carcinogenesis 1983 Oct;4(10):1345–7

Spectroscopic studies of DNA complexes formed after reaction with anti–benzo[a]pyrene–7,8–dihydrodiol–9,10–oxide enantiomers of different carcinogenic potency. Jernström B, et al. Carcinogenesis 1984 Sep;5(9):1129–35

Impaired enzymatic methylation of BPDE–modified DNA. Pfeifer GP, et al. Carcinogenesis 1984 Jul;5(7):931–5

Monoclonal antibodies to DNA modified by a benzo[a]pyrene diol epoxide. Santella RM, et al. Carcinogenesis 1984 Mar;5(3):373–7

Modifying influences of betel quid ingredients on B(a)P–induced carcinogenesis in the buccal pouch of hamster. Rao AR. Int J Cancer 1984 May 15;33(5):581–6

High ratio of alkali–sensitive lesions to total DNA modification induced by benzo(a)pyrene diol epoxide. Sage E, et al. J Biol Chem 1984 Sep 10;259(17):11098–102

Survival and mutagenesis of bacterial plasmids with localized carcinogen adducts. Chakrabarti S, et al. Mutat Res 1984 Apr;126(2):127–37

Hydrolysis of benzo[a]pyrene diol epoxide and its covalent binding to DNA proceed through similar rate–determining steps. Meehan T, et al. Proc Natl Acad Sci USA 1984 May; 81(9):2635–9

[Behavior of benzo(a)pyrene in the soil and passage from soil to crops] Fritz W. Zentralbl Mikrobiol 1983; 138(8):605–16 (Eng. Abstr.) (Ger)

ADMINISTRATION & DOSAGE

Incorporation in liposomes as a method for the application of genotoxins of low water solubility in the SCE assay. Thust R, et al. Mutat Res 1984 Apr;139(4):207–10

Importance of the route of administration for genetic differences in benzo[a]pyrene–induced in utero toxicity and teratogenicity. Legraverend C, et al. Teratology 1984 Feb; 29(1):35–47

ANALYSIS

Octanol–water partition coefficient of benzo(a)pyrene: measurement, calculation, and environmental implications. Mallon BJ, et al. Bull Environ Contam Toxicol 1984 Mar; 32(3):316–23

Enzyme immunoassay of benzo[a]pyrene conjugated to DNA, RNA and microsomal proteins using a monoclonal antibody. Wallin H, et al. Cancer Lett 1984 Mar; 22(2):163–70

Coffee and the pancreas [letter] Trethewie ER. Med J Aust 1984 Jan 7;140(1):54–5

The presence of the mutagenic polycyclic aromatic hydrocarbons benzo[a]pyrene and benz[a]anthracene in creosote P1. Bos RP, et al. Mutat Res 1984 Jun; 130(3):153–8

Part of technological processes in the occurrence of benzo[a]pyrene in foods. Adrian J, et al. World Rev Nutr Diet 1984;44:155–84 (134 ref.)

[Investigation on benzo(a)pyrene in Pingxiang bacon] Wen XZ. Chung Hua Yu Fang I Hsueh Tsa Chih 1983 Sep; 17(5):300–1 (Eng. Abstr.) (Chi)

[How should the occurrence of benzo(a)pyrene in the environment be evaluated?] Ilnitzki AI. Z Gesamte Hyg 1983 Sep;29(9):508–9 (Eng. Abstr.) (Ger)

[The 3,4–benzpyrene content of atmospheric air in a city without specific industrial emissions] Radulescu–D N, et al. Z Gesamte Hyg 1984 Apr;30(4):218 (Eng. Abstr.) (Ger)

[Benz(a)pyrene levels in medicinal plants and the possibility of contamination of drugs of plant origin] Kalinina IA, et al. Vopr Onkol 1983;29(11):92–7 (Eng. Abstr.) (Rus)

BLOOD

Factors affecting plasma benzo[a]pyrene levels in environmental studies. Hutcheon DE, et al. Environ Res

1983 Oct;32(1):104–10

CHEMICAL SYNTHESIS

Synthesis of putative oxidized metabolites of 8–methylbenzo[a]pyrene. Lee H, et al. **Carcinogenesis** 1983 Oct;4(10):1297–9

Synthesis, spectral analysis, and mutagenicity of 1–, 3–, and 6– nitrobenzo[a]pyrene. Chou MW, et al. **J Med Chem** 1984 Se ;27(9):1156–61

Isomeric mononitrobenzo[a]pyrenes: synthesis, identification and mutagenic activities. Pitts JN Jr, et al. **Mutat Res** 1984 Jun–Jul;140(2–3):81–5

METABOLISM

Differential metabolism of acetanilide versus ethoxycoumarin and benzo[a]pyrene by two 3–methylcholanthrene–inducible forms of rat liver cytochrome P–450. Sundheimer DW, et al. **Arch Biochem Biophys** 1983 Oct 15;226(2):548–57

Human hair follicles and cultured hair follicle keratinocytes as indicators for individual differences in carcinogen metabolism. Hukkelhoven MW, et al. **Arch Toxicol** 1983 Aug;53(4):265–74

Evidence for the metabolic formation of a vicinal dihydrodiol–epoxide from the potent mutagen 1–nitrobenzo(A)pyrene. Chou MW, et al. **Biochem Biophys Res Commun** 1983 Dec 16;117(2):541–8

Conformations of adducts and kinetics of binding to DNA of the optically pure enantiomers of anti–benzo(a)pyrene diol epoxide. Geacintov NE, et al. **Biochem Biophys Res Commun** 1984 Jul 18;122(1):33–9

Metabolism and macromolecular covalent binding of benzo[a]pyrene in cultured Fischer–344 rat lung type II epithelial cells. Bond JA, et al. **Biochem Pharmacol** 1983 Dec 15;32(24):3771–6

Regional differences in adrenocortical benzo[a]pyrene metabolism in guinea pigs. Eacho PI, et al. **Biochem Pharmacol** 1984 Jun 1;33(11):1811–3

Influence of herpes simplex virus infection on benzo(a)pyrene metabolism in monkey kidney cells. Degenhardt JH, et al. **Bull Environ Contam Toxicol** 1984 Jan;32(1):1–9

Oxidation of benzo(a)pyrene and 7,8–dihydro–7,8–dihydroxy benzo(a)pyrene by horseradish peroxidase–H2O2 intermediate: fluorometric study. Yagi M. **Cancer Biochem Biophys** 1984 Jun;7(2):155–74

Metabolism of xenobiotics in the human adrenal gland. Papadopoulos D, et al. **Cancer Lett** 1984 Feb;22(1):23–30

Persistence of benzo(a)pyrene metabolite:DNA adducts in lung and liver of mice. Kulkarni MS, et al. **Cancer Res** 1984 Jan;44(1):97–101

Clotrimazole, an inhibitor of epidermal benzo(a)pyrene metabolism and DNA binding and carcinogenicity of the hydrocarbon. Mukhtar H, et al. **Cancer Res** 1984 Oct; 44(10):4233–40

Benzo(a)pyrene–DNA adduct formation and removal in mouse epidermis in vivo and in vitro: relationship of DNA binding to initiation of skin carcinogenesis. Nakayama J, et al. **Cancer Res** 1984 Sep;44(9):4087–95

Binding of benzo(a)pyrene and dibenz(a,h)anthracene to the Ah receptor in mouse and rat hepatic cytosols. Okey AB, et al. **Cancer Res** 1984 Apr;44(4):1426–32

Analysis of benzo(a)pyrene:DNA adducts formed in cells in culture by immobilized boronate chromatography. Pruess–Schwartz D, et al. **Cancer Res** 1984 Sep; 44(9):4104–10

Effects of butylated hydroxyanisole on the metabolism of benzo(a)pyrene by mouse lung microsomes. Sydor W Jr, et al. **Cancer Res** 1984 Jan;44(1):134–8

The persistence of benzo[a]pyrene diol–epoxide deoxyguanosine adduct in mouse skin and its disappearance in rat skin. Alexandrov K, et al. **Carcinogenesis** 1983 Dec; 4(12):1655–7

Metabolism and urinary excretion of mutagenic metabolites of benzo[a]pyrene in C57 and DBA mice strains. Camus AM, et al. **Carcinogenesis** 1984 Jan;5(1):35–9

Quantitative significance of glutathione and glutathione–S–transferase in regulating benzo[a]pyrene anti diol–epoxide level in reconstituted C3H/10T1/2 cell lysates, and comparison to rat liver. Ho D, et al. **Carcinogenesis** 1984 Feb;5(2):143–8

Metabolism of benzo[a]pyrene–7,8–dihydrodiol and benzo[a]pyrene–7,8–dihydrodiol–9,10–epoxide to protein–binding products and glutathione conjugates in isolated rat hepatocytes. Jernström B, et al. **Carcinogenesis** 1984 Aug;5(8):1079–85

Metabolic activation of benzo[a]pyrene–7,8–dihydrodiol and benzo[a]pyrene–7,8–dihydrodiol–9,10–epoxide to protein–binding products and the inhibitory effect of glutathione and cysteine. Jernström B, et al. **Carcinogenesis** 1984 Feb;5(2):199–204

Cell specific activation of benzo[a]pyrene by fibroblasts and hepatocytes. Jones CA, et al. **Carcinogenesis** 1983 Nov; 4(11):1351–7

Synthesis of putative oxidized metabolites of 8–methylbenzo[a]pyrene. Lee H, et al. **Carcinogenesis** 1983 Oct;4(10):1297–9

Arachidonic acid–dependent activation of benzo[a]pyrene to bind to proteins with cytosolic and microsomal fractions from rat liver and lung. Nemoto N, et al. **Carcinogenesis** 1984 Jul;5(7):961–4

Effects of unsaturated fatty acids on metabolism of benzo[a]pyrene in an NADPH–fortified rat liver microsomal system. Nemoto N, et al. **Carcinogenesis** 1983 Oct;4(10):1253–7

Prostaglandin H synthase–dependent co–oxygenation of (+/–)–7,8–dihydroxy–7,8–dihydrobenzo[a]pyrene in hamster trachea and human bronchus explants. Reed GA, et al. **Carcinogenesis** 1984 Jul;5(7):955–60

Benzo[e]pyrene–induced alterations in the binding of benzo[a]pyrene to DNA in hamster embryo cell cultures. Smolarek TA, et al. **Carcinogenesis** 1984 Aug;5(8):1065–9

Formation of glucuronide, sulphate and glutathione conjugates of benzo[a]pyrene metabolites in hepatocytes isolated from inbred strains of mice. Zaleski J, et al. **Carcinogenesis** 1983 Nov;4(11):1359–66

Structure elucidation of a 6–methylbenzo[a]pyrene–DNA adduct formed by horseradish peroxidase in vitro and mouse skin in vivo. Rogan EG, et al. **Chem Biol Interact** 1983 Oct 15;47(1):111–22

Metabolism of benzo[a]pyrene by mouse brain microsomes during perinatal development. Rouet P, et al. **Chem Biol Interact** 1984 Jan;48(1):115–9

Covalent binding of benzo[a]pyrene to cytochrome P–450 beta NF–B2 and other proteins in reconstituted mixed–function oxidase systems. Schelin C, et al. **Chem Biol Interact** 1984 May;49(3):269–81

Indole–3–carbinol protects against covalent binding of benzo[a]pyrene and N–nitrosodimethylamine metabolites to mouse liver macromolecules. Shertzer HG. **Chem Biol Interact** 1984 Jan;48(1):81–90

Ubiquitous binding of benzo[a]pyrene metabolites to DNA and protein in tissues of the mouse and rabbit. Stowers SJ, et al. **Chem Biol Interact** 1984 Sep 15;51(2):151–66

3–Methylcholanthrene does not induce in vitro xenobiotic metabolism in spiny lobster hepatopancreas, or affect in vivo disposition of benzo[a]pyrene. James MO, et al. **Comp Biochem Physiol [C]** 1984;78(1):241–5

Modification of benzo(a)pyrene metabolism in hepatic microsomes from untreated and induced rats by imidazole derivatives which inhibit monooxygenase activity and enhance epoxide hydrolase activity. James MO, et al. **Drug Metab Dispos** 1983 Jul–Aug;11(4):350–4

Age–related changes in benzo(a)pyrene metabolism and epoxide–metabolizing enzyme activities in rat skin. Mukhtar H, et al. **Drug Metab Dispos** 1983 Nov–Dec; 11(6):562–7

Effects of chrysotile co–exposure on BaP binding in normal human fibroblasts. Chang MJ, et al. **Environ Health Perspect** 1983 Sep;51:241–4

Studies on in vitro chrysotile–pleural mesothelial cell interaction: morphological aspects and metabolism of benzo–3,4–pyrene. Jaurand MC, et al. **Environ Health Perspect** 1983 Sep;51:159–65

Effect of chrysotile asbestos and silica on the microsomal metabolism of benzo(a)pyrene. Kandaswami C, et al. **Environ Health Perspect** 1983 Sep;51:311–4

Effects of crocidolite and chrysotile asbestos on cellular uptake and metabolism of benzo(a)pyrene in hamster tracheal epithelial cells. Mossman BT, et al. **Environ Health Perspect** 1983 Sep;51:331–5

Study of the cell–transforming ability of amosite and crocidolite asbestos and the ability to induce changes in the metabolism and macromolecular binding of benzo(a)pyrene in C3H10T1/2 cells. Poole A, et al. **Environ Health Perspect** 1983 Sep;51:319–24

Presentation of benzo(a)pyrene to microsomal enzymes by asbestos fibers in the Salmonella/mammalian microsome mutagenicity test. Szyba K, et al. **Environ Health Perspect** 1983 Sep;51:337–41

Sequestration and release of polycyclic aromatic hydrocarbons by vertebrate cells in vitro. Kocan RM, et al. **Environ Mutagen** 1983;5(5):643–56

Percutaneous absorption of [7.10–14C]benzo[a]pyrene and [7,12–14C]dimethylbenz[a]anthracene in mice. Sanders CL, et al. **Environ Res** 1984 Apr;33(2):353–60

Interactions of heavy metals with the pulmonary metabolism of [3H]benzo[a]pyrene. Williams SJ, et al. **Environ Res** 1984 Aug;34(2):212–26

Benzo(a)pyrene metabolism in the isolated perfused mouse lung. Skelly MF, et al. **Exp Lung Res** 1983 Dec;5(4):259–68

Effects of dietary cabbage, Brussels sprouts, Illicium verum, Schizandra chinensis and alfalfa on the benzo[alpha]pyrene metabolic system in mouse liver. Hendrich S, et al. **Food Chem Toxicol** 1983 Aug;21(4):479–86

Microspectrofluorometry of carcinogens in living cells. Kohen E, et al. **Histochemistry** 1983;79(1):31–52

Effect of ellagic and caffeic acids on covalent binding of benzo[a]pyrene to epidermal DNA of mouse skin in organ culture. Shugart L, et al. **Int J Biochem** 1984;16(5):571–3

Metabolic activation, detoxification and transformation studies with benzo[a]pyrene using rat and hamster organ cells in vitro. Raineri R, et al. **J Appl Toxicol** 1983 Aug; 3(4):196–202

Phenylbutazone–dependent epoxidation of 7,8–dihydroxy–7,8–dihydrobenzo(a)pyrene. A new mechanism for prostaglandin H synthase–catalyzed oxidations. Reed GA, et al. **J Biol Chem** 1984 May 10; 259(9):5591–5

Effects of a 6–fluoro substituent on the metabolism of benzo(a)pyrene 7,8–dihydrodiol to bay–region diol epoxides by rat liver enzymes. Thakker DR, et al. **J Biol Chem** 1984 Sep 25;259(18):11249–56

Demonstration of microsomal oxygenation of the benzo ring of 6–nitrobenzo[a]pyrene by thin–layer chromatography. Raha C, et al. **J Chromatogr** 1984 May 18;291:231–9

Aryl hydrocarbon hydroxylase, epoxide hydrolase, and benzo[a]–pyrene metabolism in human epidermis: comparative studies in normal subjects and patients with psoriasis. Bickers DR, et al. **J Invest Dermatol** 1984 Jul; 83(1):51–6

In vivo metabolism of topically applied benzo[a]pyrene–4,5–oxide in neonatal rat skin. Del Tito BJ Jr, et al. **J Invest Dermatol** 1984 Apr;82(4):378–80

Benzo[a]pyrene uptake by lymph: a possible transport mode for immunosuppressive chemicals. Busbee DL, et al. **J Toxicol Environ Health** 1984;13(1):43–51

Influence of airborne particulate on the metabolism of benzo[a]pyrene in the isolated perfused lung. Warshawsky D, et al. **J Toxicol Environ Health** 1983 Apr–Jun; 11(4–6):503–17

Carcinogenesis, benzo[a]pyrene metabolism, and sister chromatid exchanges in lungs of rats after intratracheal 3–methylcholanthrene. Rasmussen RE, et al. **JNCI** 1984 Jul;73(1):257–64

Detection of the metabolism of polycyclic aromatic hydrocarbon derivatives to ultimate carcinogens during lipid peroxidation. Dix TA, et al. **Methods Enzymol** 1984; 105:347–52

Formation and removal of benzo[a]pyrene metabolites—DNA adducts in cultured normal human fibroblasts using a microsome–activating system. Kaneko M. **Mutat Res** 1984 Mar–Apr;131(3–4):157–61

Rat liver homogenate (S9)–mediated binding of benzo[alpha]pyrene to DNA in V79 cells, V79 cell nuclei and aqueous solution. Sebti SM, et al. **Mutat Res** 1984 Feb; 125(2):307–14

Selenium modified mutagenicity and metabolism of benzo[a]pyrene in an S9–dependent system. Teel RW, et al. **Mutat Res** 1984 Jun;127(1):9–14

Comparative benzo[a]pyrene metabolite patterns in fish and rodents. Melius P. **Natl Cancer Inst Monogr** 1984 May; 65:387–90

Benzo[a]pyrene metabolism in marine fish and some analytical aspects of its metabolites. Schoor WP. **Natl Cancer Inst Monogr** 1984 May;65:391–6

Patterns of benzo[a]pyrene metabolism by varied species, organs, and developmental stages of fish. Stegeman JJ, et al. **Natl Cancer Inst Monogr** 1984 May;65:371–7

Modifications of microsomal and nuclear fractions by butylated hydroxyanisole and its effect on benzo(a)pyrene metabolites binding to macromolecules. Demkowicz–Dobrzański KK, et al. **Neoplasma** 1984; 31(4):423–30

Quantitative assay of low levels of benzo[a]pyrenediol epoxide bound to DNA by acid–induced liberation of tetraols followed by chromatography and fluorometric detection. Rahn RO, et al. **Prog Nucleic Acid Res Mol Biol** 1983;29:103–6

Dose dependent activation of rat small intestinal monooxygenase–activity towards benzo(a)pyrene and 7–ethoxycoumarin after oral pretreatment with cimetidine. Borm PJ, et al. **Res Commun Chem Pathol Pharmacol** 1984 Apr;44(1):99–111

Binding of metabolically activated aromatic hydrocarbons to nonhistone proteins of rat liver nuclei. Kikuchi H, et al. **Sci Rep Res Inst Tohoku Univ [Med]** 1983 Dec; 30(1–4):8–14

Fluorescence–line–narrowed spectra of polycyclic aromatic carcinogen–DNA adducts. Heisig V, et al. **Science** 1984 Jan 20;223(4633):289–91

The uptake and distribution of [3H]benzo[a]pyrene in the Northern pike (Esox lucius). Examination by whole–body autoradiography and scintillation counting. Balk L, et al. **Toxicol Appl Pharmacol** 1984 Jul;74(3):430–49

A multisample apparatus for kinetic evaluation of skin penetration in vitro: the influence of viability and metabolic status of the skin. Holland JM, et al. **Toxicol Appl Pharmacol** 1984 Feb;72(2):272–80

An in vitro approach to studying cutaneous metabolism and disposition of topically applied xenobiotics. Kao J, et al. **Toxicol Appl Pharmacol** 1984 Sep 15;75(2):289–98

Lung retention and metabolic fate of inhaled benzo(a)pyrene associated with diesel exhaust particles. Sun JD, et al. **Toxicol Appl Pharmacol** 1984 Mar 30;73(1):48–59

Mutagenicity of benzo(a)pyrene–3–O–glucuronide, a biliary metabolite of benzo(a)pyrene. Chipman JK, et al. **Toxicol Lett** 1983 Jul;17(3–4):361–2

Formation of phenolic and dihydrodiol metabolites of benzo(a)pyrene in freshly isolated human hair follicles occurs independently. Hukkelhoven MW, et al. **Toxicol Lett** 1983 Jun;17(1–2):7–12

Effect of dietary antioxidants on benzo[a]pyrene metabolism in rat liver microsomes. Kahl R, et al. **Toxicology** 1983; 28(3):229–33

Quantitative microspectrofluorimetry study of the 'blocking effect' of 6–aminochrysene on benzo[a]pyrene metabolism using single living cells. Lahmy S, et al. **Toxicology** 1984 Feb;29(4):345–56

The metabolic fate of benzo[a]pyrene in rats after inhalation. Mitchell CE. **Toxicology** 1983 Sep;28(1–2):65–73

[Metabolism of benzo(a)pyrene in rat pleural mesothelial cells in culture] Sigeac IB, et al. **C R Seances Acad Sci [III]** 1984;298(15):423–6 (Eng. Abstr.) **(Fre)**

[Mechanism of the mutagenic action (in the Ames system) of polycyclic aromatic hydrocarbons] Kobliakov VA, et

al. **Vestn Akad Med Nauk SSSR** 1984;(5):25–9 (Eng. Abstr.) **(Rus)**

[Characteristic of the sites of benz(a)pyrene binding with lysosomal membranes] Tsaritsidze MA, et al. **Vopr Med Khim** 1984 Jan–Feb;30(1):17–20 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Glyoxalase I in regenerating mouse liver exposed to carcinogens. Dixit A, et al. **Biochem Int** 1983 Aug; 7(2):207–13

The effects of phenobarbital, 3–methylcholanthrene and benzo(a)pyrene on the hydrolysis of xenobiotics in the rat. Kaur S, et al. **Biochem Pharmacol** 1983 Nov 15; 32(22):3479–80

Microsome–mediated stimulation of the aminoacylation of rat liver initiator transfer ribonucleic acid by benzo[alpha]pyrene and 3,3–dimethyl–1–phenyltriazene. Hradec J, et al. **Cancer Lett** 1984 May;23(1):115–20

Benzo(e)pyrene–induced alterations in the metabolic activation of benzo(a)pyrene and 7,12–dimethylbenz(a)anthracene by hamster embryo cells. Baird WM, et al. **Cancer Res** 1984 Apr;44(4):1445–52

The lack of transformation activity of 9–hydroxybenzo[a]pyrene related to the absence of modified deoxyribonucleosides in DNA of C3H/10T1/2 cells. Sala M, et al. **Carcinogenesis** 1984 Aug;5(8):1101–3

Benzo[e]pyrene–induced alterations in the binding of benzo[a]pyrene to DNA in hamster embryo cell cultures. Smolarek TA, et al. **Carcinogenesis** 1984 Aug;5(8):1065–9

Caffeine enhancement of the initiation of DNA replication in benzo[a]pyrene diol epoxide damaged cells. Bowden GT, et al. **Chem Biol Interact** 1983 Oct 15;47(1):57–67

Structure of nucleic acid bases in calf thymus DNA modified by the potent mutagen, 10–azabenzo[a]pyrene–4,5–oxide. Okuda H, et al. **Chem Pharm Bull (Tokyo)** 1983 Aug; 31(8):2924–7

Influence of fly ash and charcoal on the inducer activity of benzo[a]pyrene and smoke condensate in the gut mucosa of the rat. Kivelä–Ikonen P, et al. **Environ Res** 1983 Oct; 32(1):1–7

Modification of glutathione levels in C3H/10T1/2 cells and its relationship to benzo(a)pyrene anti–7,8–dihydrodiol 9,10–epoxide–induced cytotoxicity. Ho D, et al. **J Biol Chem** 1984 Sep 25;259(18):11231–5

Inhibition of DNA methyltransferases in vitro by benzo[a]pyrene diol epoxide–modified substrates. Wojciechowski MF, et al. **J Biol Chem** 1984 Aug 10; 259(15):9711–6

Mechanism of induction of human chorionic gonadotropin in lung tumor cells in culture. Increased levels of alpha–human chorionic gonadotropin–specific mRNA sequences and benzo(a)pyrene–induced hypomethylation. Wong DT, et al. **J Biol Chem** 1984 Sep 10;259(17):10738–44

Reversibility of inhibition of interferon–alpha/beta induction by benzo[a]pyrene. Golemboski KA, et al. **JNCI** 1984 Sep; 73(3):763–6

Human lymphocytes treated with r–7,t–8–dihydroxy–t–9,10–epoxy–7,8,9,10–tetrahydrobenzo require low–density lipoproteins for DNA excision repair. Joe CO, et al. **Mutat Res** 1984 Jan;131(1):37–43

Activation of c–Ha–ras–1 proto–oncogene by in vitro modification with a chemical carcinogen, benzo(a)pyrene diol–epoxide. Marshall CJ, et al. **Nature** 1984 Aug 16–22; 310(5978):586–9

Benzo[a]pyrene differentially alters mitochondrial and nuclear DNA synthesis in primary hepatocyte cultures. Stairs PW, et al. **Res Commun Chem Pathol Pharmacol** 1983 Oct;42(1):95–106

[Correlation between cytochrome P–448 content and benzopyrene hydroxylase activity during the induction of microsomal monooxygenases using methylcholanthrene–type xenobiotics] Mishin VM, et al. **Biokhimiia** 1984 Mar;49(3):464–9 (Eng. Abstr.) **(Rus)**

[Possible evolutionary role of benzo(a)pyrene and other carcinogenic hydrocarbons] Il'nitskiĭ AP, et al. **Dokl Akad Nauk SSSR** 1984 Jan–Feb;274(1):216–9 **(Rus)**

[Effect of phenols on the level of gene mutations and carcinogenesis induced by benzo(a)pyrene] Pashin IuV, et al. **Dokl Akad Nauk SSSR** 1984;274(3):724–6 **(Rus)**

[Quantitative evaluation of the mutagenic potential of benzo(a)pyrene by in vitro and in vivo tests] Pashin IuV, et al. **Vopr Onkol** 1984;30(7):90–3 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

The generation of oxidation products of benzo[a]pyrene by lipid peroxidation: a study using gamma–irradiation. Gower JD, et al. **Carcinogenesis** 1984 Sep;5(9):1183–9

TOXICITY

Multiplicative effect of inhaled plutonium oxide and benzo (a) pyrene on lung carcinogenesis in rats. Métivier H, et al. **Br J Cancer** 1984 Aug;50(2):215–21

Carcinogenic effects of intracolonic benzo[a]pyrene in beta–naphthoflavone–induced mice. Anderson LM, et al. **Cancer Lett** 1983 Sep;20(2):117–23

Influence of 13–cis–retinoic acid on mouse skin tumor initiation and promotion. Gensler H, et al. **Cancer Lett** 1984 Feb;22(1):71–5

Benzo(e)pyrene–induced alterations in the metabolic activation of benzo(a)pyrene and 7,12–dimethylbenz(a)anthracene by hamster embryo cells. Baird WM, et al. **Cancer Res** 1984 Apr;44(4):1445–52

Modulatory effect of glucose–6–phosphate dehydrogenase deficiency on benzo(a)pyrene toxicity and transforming activity for in vitro–cultured human skin fibroblasts. Feo F, et al. **Cancer Res** 1984 Aug;44(8):3419–25

Detection of in vivo DNA repair synthesis in mouse liver and lung induced by treatment with benzo(a)pyrene or 4–nitroquinoline 1–oxide. Kulkarni MS, et al. **Cancer Res** 1984 Apr;44(4):1547–50

Formation and persistence of DNA, RNA, and protein adducts in mouse skin exposed to pure optical enantiomers of 7 beta,8 alpha–dihydroxy–9 alpha,10 alpha–epoxy–7,8,9,10–tetrahydrobenzo(a)pyre ne in vivo. Pelling JC, et al. **Cancer Res** 1984 Mar;44(3):1081–6

Characterization of histochemically detectable altered hepatocyte foci and their relationship to hepatic tumorigenesis in rats treated once with diethylnitrosamine or benzo(a)pyrene within one day after birth. Peraino C, et al. **Cancer Res** 1984 Aug;44(8):3340–7

Murine strain differences in ovotoxicity following intraovarian injection with benzo(a)pyrene, (+)–(7R,8S)–oxide, (–)–(7R,8R)–dihydrodiol, or (+)–(7R,8S)–diol–(9S,10R)–epoxide–2. Takizawa K, et al. **Cancer Res** 1984 Jun;44(6):2571–6

Direct suppression of in vitro antibody production by mouse spleen cells by the carcinogen benzo(a)pyrene but not by the noncarcinogenic congener benzo(e)pyrene. White KL Jr, et al. **Cancer Res** 1984 Aug;44(8):3388–93

Modifying effect of dietary fat on benzo[a]pyrene–induced respiratory tract tumours in hamsters. Beems RB, et al. **Carcinogenesis** 1984 Mar;5(3):413–7

Induction of hepatic glutathione S–transferase activity by butylated hydroxyanisole and conjugation of benzo[a]pyrene diol–epoxide. Dock L, et al. **Carcinogenesis** 1984 Jun;5(6):841–4

The influence of inhibitors on the repair of benzo[a]pyrene–damaged DNA in hamster tracheal epithelial cells. Ireland CM, et al. **Carcinogenesis** 1984 Feb; 5(2):187–91

On the nature of the mutations induced by the diolepoxide of benzo[a]pyrene in mammalian cells. King HW, et al. **Carcinogenesis** 1984 Jul;5(7):965–70

Protective effects of ellagic acid and other plant phenols on benzo[a]pyrene–induced neoplasia in mice. Lesca P. **Carcinogenesis** 1983 Dec;4(12):1651–3

Short–term bioassays of nitro derivatives of benzo[a]pyrene and perylene. Löfroth G, et al. **Carcinogenesis** 1984 Jul; 5(7):925–30

The identification of bases in DNA involved in covalent binding of the reactive metabolite from 9–hydroxybenzo[a]pyrene. Robertson JA, et al. **Carcinogenesis** 1984 Jun;5(6):821–6

Differences in transformation of repair–deficient mutants of E. coli with BPDE– or chlorozotocin–modified plasmid DNA. Vadi HV. **Carcinogenesis** 1983 Nov;4(11):1379–84

Interactions of chrysotile and benzopyrene in a human cell culture systems. Stephens RE, et al. **Environ Health Perspect** 1983 Sep;51:257–65

Carcinomas of the respiratory tract in hamsters given arsenic trioxide and/or benzo[a]pyrene by the pulmonary route. Pershagen G, et al. **Environ Res** 1984 Aug;34(2):227–41

Toxic and transforming effects of cigarette smoke condensates in fetal Syrian golden hamster lung cell cultures. Emura M, et al. **Exp Pathol** 1983;24(4):261–4

Benzo[e]pyrene. **IARC Monogr Eval Carcinog Risk Chem Hum** 1983 Dec; 32:225–37

Benzo[a]pyrene. **IARC Monogr Eval Carcinog Risk Chem Hum** 1983 Dec; 32:211–24

Dibenzo[a,h]pyrene. **IARC Monogr Eval Carcinog Risk Chem Hum** 1983 Dec; 32:331–5

Dibenzo[a,i]pyrene. **IARC Monogr Eval Carcinog Risk Chem Hum** 1983 Dec; 32:337–42

Dibenzo[a,e]pyrene. **IARC Monogr Eval Carcinog Risk Chem Hum** 1983 Dec; 32:327–30

Anthanthrene. **IARC Monogr Eval Carcinog Risk Chem Hum** 1983 Dec; 32:95–104

Dibenzo[a,l]pyrene. **IARC Monogr Eval Carcinog Risk Chem Hum** 1983 Dec; 32:343–7

6–Nitrobenzo[a]pyrene. **IARC Monogr Eval Carcinog Risk Chem Hum** 1984 Apr; 33:187–94

Temporal distinction between repair and mutagenesis of benzopyrene adducts after SOS induction in Escherichia coli. Mizusawa H, et al. **J Bacteriol** 1983 Nov;156(2):926–30

Detection of DNA single–strand breaks induced by procarcinogens in Chinese hamster ovary cells cocultured with rat hepatocytes. Yang KH, et al. **J Toxicol Environ Health** 1984;13(1):133–43

Chemical carcinogenesis: benzopyrene system. Lesko SA. **Methods Enzymol** 1984;105:539–50

Transient DNA lesions induced by benzo[a]pyrene in Chinese hamster ovary cells. Blakey DH, et al. **Mutat Res** 1984 Jun–Jul;140(2–3):141–5

High–density lipoproteins decrease both binding of a polynuclear aromatic hydrocarbon carcinogen to DNA and carcinogen–initiated cell transformation. Busbee DL, et al. **Mutat Res** 1983 Nov;111(3):429–39

Inhibition of the mutagenicity of benzo[a]pyrene in the V79/HGPRT system by bioantioxidants. Paschin YuV, et al. **Mutat Res** 1984 Jul;137(1):57–9

Inhibition of DNA synthesis by an electrophilic metabolite of benzo[a]pyrene. Busbee DL, et al. **Proc Natl Acad Sci USA** 1984 Sep;81(17):5300–4

Fast ephemeral DNA damage upon BaP injection. Höhn–Bentz J, et al. **Sci Total Environ** 1983 Dec 15; 32(1):13–27

Bone marrow toxicity induced by oral benzo[a]pyrene: protection resides at the level of the intestine and liver. Legraverend C, et al. **Toxicol Appl Pharmacol** 1983 Sep 30;70(3):390–401

Mutagenicity of benzo(a)pyrene–3–O–glucuronide, a biliary metabolite of benzo(a)pyrene. Chipman JK, et al. **Toxicol Lett** 1983 Jul;17(3–4):361–2

Mutagenicity and in vivo disposition of biliary metabolites of benzo(a)pyrene. Chipman JK, et al. **Toxicol Lett** 1983 Jul;17(3–4):233–40

[Comparative study on induction of sister chromatid exchange by benzo(a)pyrene in various cells] Cheng SJ. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1983 Jul;17(4):221–3 (Eng. Abstr.) **(Chi)**

1,2–BENZOPYRONES see **COUMARINS**

1,4–BENZOPYRONES see **CHROMONES**

BENZOQUINOLIZINE see under **QUINOLIZINES**

BENZOTHIADIAZINE DIURETICS see **DIURETICS, THIAZIDE**

BENZOTHIADIAZINES

ADMINISTRATION & DOSAGE

Comparative clinical trial of bemetizide/triamterene and cyclopenthiazide/potassium chloride combinations in patients with mild to moderate hypertension. Wray R, et al. **Curr Med Res Opin** 1983;8(9):665–74

[Clonidine–cyclothiazide combination in the therapy of arterial hypertension. Controlled clinical study after oral administration] Negri L, et al. **Clin Ter** 1983 Nov 30; 107(4):271–7 (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

[Case report on the administration of diuretics during pregnancy] Meschede G, et al. **Geburtshilfe Frauenheilkd** 1983 Dec;43(12):759–61 (Eng. Abstr.) **(Ger)**

ANALYSIS

Ion–pair extraction cleanup for liquid chromatographic determination of bentazon in crops and soil. Akerblom M, et al. **J Assoc Off Anal Chem** 1984 May–Jun;67(3):653–5

CHEMICAL SYNTHESIS

Synthesis and antimicrobial activity of monoalkylcarbamic and thiocarbamic esters of 3–mercapto–1,2,4–benzothiadiazine–1,1–dioxide and of its Bz–derivatives. Di Bella M, et al. **Farmaco [Sci]** 1983 Jul; 38(7):466–72

[Cardiovascular action of 1,2,4–benzothiadiazine–1,1–dioxide derivatives. IX] Parenti C, et al. **Farmaco [Sci]** 1983 Oct; 38(10):738–49 (Eng. Abstr.) **(Ita)**

PHARMACODYNAMICS

Interaction of bemetizide and indomethacin in the kidney. Düsing R, et al. **Br J Clin Pharmacol** 1983 Oct;16(4):377–83

TAG antagonises the central cardiovascular effects of taurine. Bousquet P, et al. **Eur J Pharmacol** 1984 Feb 17; 98(2):269–73

The antagonistic action of 6–aminomethyl–3–methyl–4H,1,2,4–benzothiadiazine–1,1–dioxide (TAG) on the prolactin–releasing action of taurine. Ondo JG. **Life Sci** 1984 Aug 6;35(6):679–83

Effects of taurine and a taurine antagonist on some respiratory and cardiovascular parameters. Wessberg P, et al. **Life Sci** 1983 Oct 24;33(17):1649–55

[Pharmacodynamics and pharmacokinetics of bemetizid in comparison with hydrochlorothiazide. A controlled human pharmacologic study of acute effects] Piper C, et al. **Arzneimittelforsch** 1983;33(7):988–96 (Eng. Abstr.) **(Ger)**

[Effects of several beta–blockers and penfluzide, a thiazide diuretic, on the blood pressure, urinary water output and excretion of Na and K in DOCA–saline–induced hypertension in rats] Sugai T, et al. **Nippon Yakurigaku Zasshi** 1983 Sep;82(3):181–90 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

[Long–term treatment of hypertension with a beta blocker–diuretic combination] Hoffmann J, et al. **ZFA (Stuttgart)** 1983 Nov 10;59(31):1773–7 **(Ger)**

[A beta receptor blocker–diuretic combination in elderly hypertensive patients at health resorts] Kirchhoff HW. **ZFA (Stuttgart)** 1983 Jul 31;59(21):1188–91 **(Ger)**

BENZOXAZOLES

ADVERSE EFFECTS

Contact dermatitis from witisol, a sunscreen agent. Mørk NJ, et al. **Contact Dermatitis** 1984 Feb;10(2):122–3

METABOLISM

Circus–movement tachycardia in frog atrium monitored by voltage–sensitive dyes. Sawanobori T, et al. **Am J Physiol** 1984 Aug;247(2 Pt 2):H185–94

Pharmacokinetics of chlorzoxazone in humans. Desiraju RK, et al. **J Pharm Sci** 1983 Sep;72(9):991–4

PHARMACODYNAMICS

The antibacterial action of Tinopal AN. Phillips MK, et al. **J Gen Microbiol** 1984 Aug;130 (Pt 8):1999–2005

BENZOXEPINS

CHEMICAL SYNTHESIS

Dibenz[b,e]oxepinalkanoic acids as nonsteroidal antiinflammatory agents. 4. Synthesis and evaluation of 4–(4,10–dihydro–10–oxothieno[3,2–c][1]benzoxepin–8–yl)butanol and –butyric acid and related derivatives. Martin LL, et al. **J Med Chem** 1984 Mar; 27(3):372–6

PHARMACODYNAMICS

Biochemical, functional and behavioral evaluation of a series of novel antipsychotic–like agents. Von Voigtlander PF, et al. **Arch Int Pharmacodyn Ther** 1983 Nov;266(1):23–37

BENZOYL PEROXIDE see under **PEROXIDES**

BENZOYLARGININE–2–NAPHTHYLAMIDE see under **ARGININE**

BENZOYLARGININE NITROANILIDE see under **ARGININE**

BENZOYLCHOLINE see under **CHOLINE**

BENZPHETAMINE see under **PHENETHYLAMINES**

BENZQUINAMIDE see under **QUINOLIZINES**

BENZTROPINE see under **TROPANES**

BENZYDAMINE see under **PYRAZOLES**

BENZYL ALCOHOLS see under **BENZYL COMPOUNDS**

BENZYL COMPOUNDS

Excitation and de–excitation processes in lanthanide chelates bearing aromatic sidechains. Abusaleh A, et al. **Photochem Photobiol** 1984 Jun;39(6):763–9

ADVERSE EFFECTS

Allergic dermatitis to benzyl alcohol in an injectable solution. Shmunes E. **Arch Dermatol** 1984 Sep;120(9):1200–1

Allergic reaction to benzyl alcohol in an antimycotic preparation. Shoji A. **Contact Dermatitis** 1983 Nov;9(6):510

Changing practices in the use of benzyl alcohol–preserved solutions in neonatal intensive care units in Georgia. Jarvis WR, et al. **J Med Assoc Ga** 1983 Oct;72(10):707–8

ANALYSIS

Use of colour reactions for benzyl alcohol when screening cocaine and other benzoyl compounds following their reduction with lithium aluminium hydride. Stevens HM. **J Forensic Sci Soc** 1984 Mar–Apr;24(2):121–5

CHEMICAL SYNTHESIS

Potential antiarrhythmic agents. I. Antiarrhythmic activity of basic N–(alpha, alpha–dimethylbenzyl)acylamines. Akerman B, et al. **Acta Pharm Suec** 1984;21(2):103–8

Design, synthesis, and testing of potential antisickling agents. 4. Structure–activity relationships of benzyloxy and phenoxy acids. Abraham DJ, et al. **J Med Chem** 1984 Aug; 27(8):967–78

METABOLISM

Metabolism of piperonal and piperonyl alcohol in the rat with special reference to the scission of the methylenedioxy group. Klungsøyr J, et al. **Acta Pharm Suec** 1984; 21(1):67–72

Pharmacokinetics of compound 58–112, a potential skeletal muscle relaxant, in man. Tse FL, et al. **J Clin Pharmacol** 1984 Jan;24(1):47–57

PHARMACODYNAMICS

Inhibition of autophagy by benzyl alcohol. Grinde B. **Biochim Biophys Acta** 1984 Jul 30;800(2):140–4

Hemolysis induced by benzyl alcohol and effect of the alcohol on erythrocyte membrane. Ogiso T, et al. **Chem Pharm Bull (Tokyo)** 1983 Jul;31(7):2404–15

Alternate substrates of dopamine beta–hydroxylase. II. Inhibition by benzyl cyanides and reactivation of inhibited enzyme. Colombo G, et al. **J Biol Chem** 1984 Feb 10; 259(3):1601–6

Alternate substrates of dopamine beta–hydroxylase. I. Kinetic investigations of benzyl cyanides as substrates and inhibitors. Colombo G, et al. **J Biol Chem** 1984 Feb 10; 259(3):1593–600

[Efficacy of the throat disinfectant Neo–angin] Götz H, et al. **ZFA (Stuttgart)** 1982 Dec 10;58(34):1899–902 **(Ger)**

POISONING

Benzyl alcohol poisoning in a premature newborn infant. Anderson CW, et al. **Am J Obstet Gynecol** 1984 Feb 1; 148(3):344–6

THERAPEUTIC USE

Saline with benzyl alcohol prevents pain of needle insertion [letter] Thomas DV. **Anesth Analg** 1984 Sep;63(9):883

TOXICITY

Toxic interactions of benzyl alcohol with bacterial endotoxin. Cebula TA, et al. **Infect Immun** 1984 Apr;44(1):91–6

Reactivity, SCE induction and mutagenicity of benzyl chloride derivatives. Hemminki K, et al. **J Appl Toxicol** 1983 Aug;3(4):203–7

Benzyl derivative facilitation of transcription in Escherichia coli at the ara and lac operon promoters: metabolite gene regulation (MGR). Kline EL, et al. **MGG** 1984;193(2):340–8

BENZYL VIOLOGEN see under **PYRIDINIUM COMPOUNDS**

BENZYLAMINE OXIDASE see under **MONOAMINE OXIDASE**

BENZYLAMINES see under **AMINES**

BENZYLIDENE COMPOUNDS

CHEMICAL SYNTHESIS

CNS, anthelmintic and antiinflammatory activities of some 1–[2/3–(2–phenyl benzimidazole)]2–methyl/phenyl–4–(3,4–disubstituted benzylidene)5–oxo–imidazoles. Mohan RR, et al. **Pharmacol Res Commun** 1984 Apr;16(4):321–38

TOXICITY

[Preliminary comparative pharmacological studies of 3–aryl and 3–alkyl–5–benzylidene derivatives of hydantoin, 2–thiohydantoin and 2–selenohydantoin] Kleinrok Z, et al. **Acta Pol Pharm** 1983;40(4):517–22 (Eng. Abstr.) **(Pol)**

BENZYLPENICILLIN see **PENICILLIN G**

BEPHENIUM COMPOUNDS

THERAPEUTIC USE

Ascariasis: effect of treating a single case upon the local population. Manni JJ. **Trop Doct** 1984 Jul;14(3):142

BERBERINE see under **BERBINES**

BERBINES

ADMINISTRATION & DOSAGE

Improved delivery through biological membranes XVI. Enhancement of the brain–specificity of a dihydropyridine formed from pyridinium salt drug delivery system by controlled infusion. Brewster M, et al. **J Parenter Sci Technol** 1983 Sep–Oct;37(5):159–64

ANALYSIS

[Study on berberine ion selective electrode] Chi H, et al. **Yao Hsueh Hsueh Pao** 1983 Apr;18(4):278–84 (Eng. Abstr.) **(Chi)**

DIAGNOSTIC USE

The dynamics of mast cell secretion studied by vital berberine staining. Berlin G, et al. **Agents Actions** 1984 Apr; 14(3–4):401–4

METABOLISM

Regioselective O–methylation of tetrahydropapaveroline and tetrahydroxyberbine in vivo in rat brain. Cashaw JL, et al. **Biochem Pharmacol** 1983 Nov 1;32(21):3163–9

Improved delivery through biological membranes XVI. Enhancement of the brain–specificity of a dihydropyridine formed from pyridinium salt drug delivery system by controlled infusion. Brewster M, et al. **J Parenter Sci Technol** 1983 Sep–Oct;37(5):159–64

PHARMACODYNAMICS

Effect of l–tetrahydropalmatine on sleep–waking cycle of cats. Buda C, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Mar;5(1):5–8

Antisecretory effects of berberine with morphine, clonidine, L–phenylephrine, yohimbine or neostigmine in pig jejunum. Zhu B, et al. **Eur J Pharmacol** 1983 Dec 9; 96(1–2):11–9

Effect of berberine chloride binding on the structure of cholera phage phi 2 DNA. Chaudhuri K, et al. **Indian J Biochem Biophys** 1983 Aug;20(4):188–92

Effect of berberine chloride on Leishmania donovani. Ghosh AK, et al. **Indian J Med Res** 1983 Sep;78:407–16

[Depletion of monoamines in the rat by DL–tetrahydropalmatine] Liu GQ, et al. **Yao Hsueh Hsueh Pao** 1983 Sep;18(9):641–7 (Eng. Abstr.) **(Chi)**

[Influence of pargyline on depletion of catecholamines in the rat brain caused by DL–tetrahydropalmatine] Liu GQ. **Yao Hsueh Hsueh Pao** 1983 Jun;18(6):472–4 (Eng. Abstr.) **(Chi)**

THERAPEUTIC USE

Berberine: an indigenous drug in experimental herpetic uveitis. Mohan M, et al. **Indian J Ophthalmol** 1983 Mar; 31(2):65–8

TOXICITY

[Preclinical study of the safety of the new Soviet tranquilizer gindarin] Arzamastsev EV, et al. **Farmakol Toksikol** 1983 Jul–Aug;46(4):107–12 (Eng. Abstr.) **(Rus)**

BERIBERI

Cardiac beri beri—an old disease in modern Singapore—2 case reports. Balasingam S, et al. **Ann Acad Med Singapore** 1983 Oct;12(4):614–9

COMPLICATIONS

Shoshin beriberi: report of two successfully treated patients with hemodynamic documentation. Pereira VG, et al. **Am J Cardiol** 1984 May 15;53(10):1467

[Case of primary hyperparathyroidism associated with beriberi] Saito K, et al. **Nippon Rinsho** 1983 Sep; 41(9):2191–7 **(Jpn)**

DIAGNOSIS

Shoshin beriberi: a rare diagnostic problem. Engbers JG, et al. **Br Heart J** 1984 May;51(5):581–2

[2 cases of beriberi in Czechoslovak citizens working abroad] Burešová E, et al. **Vnitr Lek** 1984 Feb;30(2):182–4 (Eng. Abstr.) **(Cze)**

ETIOLOGY

Thiamine–dependent beriberi in the 'thiamine–responsive anemia syndrome'. Mandel H, et al. **N Engl J Med** 1984 Sep 27;311(13):836–8

BERKELIUM

METABOLISM

[Berkelium–249 metabolism in the body of animals] Zalikin GA, et al. **Radiobiologiia** 1984 Jan–Feb;24(1):122–5 (Eng. Abstr.) **(Rus)**

BERRIES see **FRUIT**

BERRY ANEURYSM see **CEREBRAL ANEURYSM**

BERTIELLIASIS see under **CESTODE INFECTIONS**

BERYLLIOSIS

Hygienic and toxicological aspects of occupational and environmental exposure to beryllium. Bencko V, et al. **J Hyg Epidemiol Microbiol Immunol** 1983;27(4):403–17

HISTORY

Archives of the Cleveland Clinic Quarterly 1943: Chemical pneumonia in workers extracting beryllium oxide. Report of three cases. By H.S. VanOrdstrand, Robert Hughes and Morris G. Carmody. **Cleve Clin Q** 1984 Summer; 51(2):431–9

OCCURRENCE

Commentary and update: chemical pneumonia in workers extracting beryllium oxide. Eisenbud M. **Cleve Clin Q** 1984 Summer;51(2):441–7

BERYLLIUM

Beryllium skin granulomas from a broken fluorescent tube. By H.S. Van Ordstrand, E.W. Netherton, Joseph M. De Nardi, and Morris G. Carmody. **Cleve Clin Q** 1983 Summer;50(2):69–72

Experimental beryllium–induced lung disease. I. Differences in immunologic responses to beryllium compounds in strains 2 and 13 guinea pigs. Barna BP, et al. **Int Arch Allergy Appl Immunol** 1984;73(1):42–8

Experimental beryllium–induced lung disease. II. Analyses of bronchial lavage cells in strains 2 and 13 guinea pigs. Barna BP, et al. **Int Arch Allergy Appl Immunol** 1984; 73(1):49–55

Beryllium coating for biological X-ray microanalysis. Marshall AT, et al. **J Microsc** 1984 Apr;134 (Pt 1):113–6
[Data for more precise determination of the maximum allowable concentration of beryllium in the air of the workplace] Litvinov NN, et al. **Gig Tr Prof Zabol** 1984 Jan;(1):34–7 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Commentary and update: beryllium granulomas of the skin: a small window to understanding. Epstein WL. **Cleve Clin Q** 1983 Summer;50(2):73–5

ANALYSIS

Bias in air sampling techniques used to measure inhalation exposure. Cohen BS, et al. **Am Ind Hyg Assoc J** 1984 Mar; 45(3):187–92
Sampling and concentration measurements of 7Be and 137Cs in ground-level air at Palermo. Agelao G, et al. **Health Phys** 1984 Jul;47(1):96–101

IMMUNOLOGY

Studies on the adjuvant action of beryllium. II. Systemic effects with particular reference to secretory immunity. Hall JG, et al. **Immunology** 1984 Sep;53(1):115–20
Studies on the adjuvant action of beryllium. I. Effects on individual lymph nodes. Hall JG. **Immunology** 1984 Sep; 53(1):105–13

METABOLISM

Lymphocyte beryllium binding: relationship to development of delayed beryllium hypersensitivity. Skilleter DN, et al. **Int Arch Allergy Appl Immunol** 1984;73(2):181–3
[Biochemical action mechanism of beryllium. 2. Beryllium binding in magnum of the laying hen] Fischer P, et al. **Z Tierphysiol Tiernahr Futtermittelkd** 1983 Aug; 50(3):113–24 (Eng. Abstr.) **(Ger)**
[Mechanism of the biochemical action of beryllium. 3. Beryllium binding in egg white] Fischer P, et al. **Z Tierphysiol Tiernahr Futtermittelkd** 1983 Aug; 50(3):125–31 (Eng. Abstr.) **(Ger)**
[Absorption of beryllium from the gastrointestinal tract of rats] Bugryshev PF, et al. **Gig Tr Prof Zabol** 1984 Jun; (6):52–3 **(Rus)**
[Effect of various aminoalkylenephosphonic compounds on the accumulation of radioactive beryllium in rats] Razumovskiĭ NO, et al. **Radiobiologiia** 1984 Mar–Apr; 24(2):223–7 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Specific G1–S phase cell cycle block by beryllium as demonstrated by cytofluorometric analysis. Skilleter DN, et al. **Biochem J** 1983 Dec 15;216(3):773–6
Inhibition of nuclear-protein phosphorylation in vitro by beryllium. Williams BE, et al. **Biosci Rep** 1983 Oct; 3(10):955–62
In vitro cell response to cobalt-chromium-molybdenum alloy containing beryllium. Nakamura M, et al. **J Prosthet Dent** 1984 Jun;51(6):790–6

POISONING

Reversible beryllium sensitization in a prospective study of beryllium workers. Rom WN, et al. **Arch Environ Health** 1983 Sep–Oct;38(5):302–7

TOXICITY

Hygienic and toxicological aspects of occupational and environmental exposure to beryllium. Bencko V, et al. **J Hyg Epidemiol Microbiol Immunol** 1983;27(4):403–17
Metal-induced mutagenesis in the lacI gene of Escherichia coli. Zakour RA, et al. **Mutat Res** 1984 Mar;126(1):9–18
Biochemical, cytological, and histological alterations in rat lung following acute beryllium aerosol exposure. Hart BA, et al. **Toxicol Appl Pharmacol** 1984 Sep 30;75(3):454–65

BERYLLIUM DISEASE see **BERYLLIOSIS**

BESNIER-BOECK DISEASE see **SARCOIDOSIS**

BESNOITIA see under **SPOROZOA**

BETA ADRENERGIC RECEPTOR AGONISTS see **ADRENERGIC BETA RECEPTOR AGONISTS**

BETA ADRENERGIC RECEPTOR BLOCKADERS see **ADRENERGIC BETA RECEPTOR BLOCKADERS**

BETA ADRENERGIC RECEPTORS see **RECEPTORS, ADRENERGIC, BETA**

BETA-ALANINE KETOGLUTARATE AMINOTRANSFERASE see **AMINOBUTYRATE AMINOTRANSFERASE**

BETA-AMYLASE see under **AMYLASES**

BETA CELL, ARTIFICIAL see **INSULIN INFUSION SYSTEMS**

17BETA-ESTRADIOL see **ESTRADIOL**

BETA-GALACTOSIDASES see under **GALACTOSIDASES**

BETA GLOBULINS

ANALYSIS

Clinical significance of beta-thromboglobulin in patients with high platelet count. Fabris F, et al. **Acta Haematol (Basel)** 1984;71(1):32–8
A comparative study between indobufen and acetylsalicylic acid on beta-thromboglobulin, platelet factor 4 and platelet aggregation in patients with transient ischemic attacks. Orefice G, et al. **Acta Neurol (Napoli)** 1984 Apr;6(2):97–103
Evaluation of the effects of catheter sampling for the study of platelet behavior in the pulmonary and coronary circulation. Bugiardini R, et al. **Am Heart J** 1984 Aug; 108(2):255–60
Fibrinopeptide A and beta thromboglobulin in patients with angina pectoris and acute myocardial infarction. van Hulsteijn H, et al. **Am Heart J** 1984 Jan;107(1):39–45
Platelet factor 4 and beta thromboglobulin in Moya-Moya disease. Albala MM, et al. **Am J Pediatr Hematol Oncol** 1984 Spring;6(1):96–9
Evidence that platelet density depends on the alpha-granule content in platelets. van Oost BA, et al. **Blood** 1984 Feb; 63(2):482–5
Steroid hormone binding macromolecules in meningiomas. Failure to meet criteria of specific receptors. Schwartz MR, et al. **Cancer** 1984 Feb 15;53(4):922–7
Plasma beta-thromboglobulin response to insulin-induced hypoglycemia in type I diabetic patients. Monnier LH, et al. **Diabetes** 1984 Sep;33(9):907–9
Plasma beta-thromboglobulin, platelet factor 4, fibrinopeptide A, and other hemostatic functions during improved, short-term glycemic control in diabetes mellitus. Rosove MH, et al. **Diabetes Care** 1984 Mar–Apr;7(2):174–9
Expression of platelet membrane glycoproteins and alpha-granule proteins by a human erythroleukemia cell line (HEL). Tabilio A, et al. **EMBO J** 1984 Feb;3(2):453–9
Plasma concentrations of platelet-specific proteins in young female acute myocardial infarction survivors and their age-matched female controls. Kutti J, et al. **Eur Heart J** 1983 May;4(5):300–5
Fibrinopeptide A, beta-thromboglobulin, and fibrin degradation products as screening test for the diagnosis of deep vein thrombosis. Wojciechowski J, et al. **Haemostasis** 1983;13(4):254–61
Beta-thromboglobulin in inflammatory synovial fluid. Hällgren R, et al. **Inflammation** 1983 Dec;7(4):311–9
Plasma thromboglobulin and platelet aggregation index in transient ischaemic attack: effect of aspirin and dipyridamole therapy. Aushri Z, et al. **Int J Clin Pharmacol Res** 1983;3(5):339–42
Immunocytochemical localization of fibrinogen, platelet factor 4, and beta thromboglobulin in thin frozen sections of human blood platelets. Sander HJ, et al. **J Clin Invest** 1983 Oct;72(4):1277–87
Identification of human blood stains by radioimmunoassay. Butt RW. **J Forensic Sci Soc** 1983 Oct;23(4):291–6
Platelet alpha granule proteins in stroke and transient ischaemic attacks [letter] O'Brien JR, et al. **Lancet** 1984 Jan 28;1(8370):231–2
Are platelet factor 4 and beta-thromboglobulin markers of cardiovascular disorders? Cella G, et al. **Ric Clin Lab** 1984 Jan–Mar;14(1):9–18 (54 ref.)
Platelet-specific proteins in patients with transient ischemic attacks. (Effects of anti-platelet drugs). Fabris F, et al. **Ric Clin Lab** 1983 Oct–Dec;13(4):437–42
The clinical significance of beta-thromboglobulin and platelet factor-4 in polycythaemic patients. Najean Y, et al. **Scand J Haematol** 1983 Oct;31(4):298–304
Plasma beta-thromboglobulin levels in lung cancer. Jain R, et al. **South Med J** 1983 Nov;76(11):1380–2
Usefulness of the measurement of plasma beta-thromboglobulin (beta-TG) in cerebrovascular disease. Taomoto K, et al. **Stroke** 1983 Jul–Aug; 14(4):518–24
Standardization of beta-thromboglobulin and platelet factor 4: a collaborative study to investigate the sources and extent of variation in the measurement of platelet specific proteins. Curtis AD, et al. **Thromb Haemost** 1983 Oct 31;50(3):686–9
Plasma fibrinopeptide A and beta-thromboglobulin in patients with chest pain. Douglas JT, et al. **Thromb Haemost** 1983 Aug 30;50(2):541–2
Effects of prostacyclin during cardiopulmonary bypass in men on plasma levels of beta-thromboglobulin, platelet factor 4, thromboxane B2, 6-keto-prostaglandin F1 alpha and heparin. Ditter H, et al. **Thromb Res** 1983 Nov 15; 32(4):393–408
[Plasma levels of beta-thromboglobulin and platelet factor 4 in migraine accompagnée (letter)] Scharf RE, et al. **Dtsch Med Wochenschr** 1983 Jul 29;108(30): 1169–70 **(Ger)**
[Immunohistochemical localization of pregnancy-specific beta 1-globulin in placentas at various ages] Friedman W, et al. **Z Geburtshilfe Perinatol** 1984 May-Jun;188(3):119–22 (Eng. Abstr.) **(Ger)**
[Significance of the determination of beta-thromboglobulin. Experience with coronary sclerosis, and diabetes] Udvardy M, et al. **Orv Hetil** 1983 Jul 24;124(30):1797–800 (Eng. Abstr.) **(Hun)**
[Thromboxane, beta-thromboglobulin and the degree of blood sugar control in type 1 diabetes mellitus] Tanganelli I, et al. **Boll Soc Ital Biol Sper** 1983 Jul 30;59(7):897–902 (Eng. Abstr.) **(Ita)**
[Behavior and meaning of beta-thromboglobulin in chronic obliterative arteriopathy of the lower extremities. Preliminary study] Binaghi F, et al. **Boll Soc Ital Cardiol** 1982 Nov;27(11):1043–9 (Eng. Abstr.) **(Ita)**
[Beta-thromboglobulin and platelet regeneration time in children with mitral valve prolapse] Cudillo L, et al. **G Ital Cardiol** 1983 Oct;13(10):215–8 (Eng. Abstr.) **(Ita)**
[Effect of the degree of anticoagulation on the plasma levels of beta-thromboglobulin in patients with heart valve prostheses treated with warfarin] Russo R, et al. **Minerva Cardioangiol** 1984 Jun;32(6):387–91 (Eng. Abstr.) **(Ita)**
[Correlation between beta-thromboglobulin and metabolic compensation in diabetes type I] Gragnoli G, et al. **Ric Clin Lab** 1983;13 Suppl 3:383–7 (Eng. Abstr.) **(Ita)**
[Fundamental studies of a beta-thromboglobulin RIA kit] Kanamori I, et al. **Radioisotopes** 1983 Dec;32(12):641–4 **(Jpn)**
[Immunochemical identification and physicochemical characteristics of human leukocytic beta 2-sialoglobulin (RAL-6)] Petrunin DD, et al. **Biull Eksp Biol Med** 1984 Jul;97(7):75–6 (Eng. Abstr.) **(Rus)**
[Levels of beta-thromboglobulin in type I diabetes mellitus. Effect of dipyridamole] Amado JA, et al. **Rev Clin Esp** 1983 Sep 30;170(6):283–5 (Eng. Abstr.) **(Spa)**

BLOOD

Platelet thromboxane formation and BTG levels after intensive charcoal HP in uremics or regular hemodialytic treatment (RHT). Capodicasa G, et al. **Int J Artif Organs** 1983 Jul;6(4):183–6
[Simultaneous immunochemical determination of pregnancy proteins alpha 2-glycoprotein and trophoblastic beta 1-globulin] Zorina RM, et al. **Lab Delo** 1983;(7):45–7 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

[Filtration and local synthesis of proteins in human aqueous humour and cerebrospinal fluid] Hartmann C, et al. **Fortschr Ophthalmol** 1983;80(2):103–7 (Eng. Abstr.) **(Ger)**

GENETICS

Hemoglobin E in Europeans: further evidence for multiple origins of the beta E-globin gene. Kazazian HH Jr, et al. **Am J Hum Genet** 1984 Jan;36(1):212–7
Polymorphism and inheritance of serum esterases and beta-globulins in the paradise fish (Macropodus opercularis; Anabantidae). Monostory Z, et al. **Anim Blood Groups Biochem Genet** 1984;15(1):1–11
Expression of the human beta globin gene and 5'-deletion mutants in erythroleukemic mouse cells studied by DNA mediated gene transfer. Spandidos DA. **Anticancer Res** 1983 Nov-Dec;3(6):409–16
A minimal intron length but no specific internal sequence is required for splicing the large rabbit beta-globin intron. Wieringa B, et al. **Cell** 1984 Jul;37(3):915–25
cis and trans activation of globin gene transcription in transient assays. Treisman R, et al. **Proc Natl Acad Sci USA** 1983 Dec;80(24):7428–32

ISOLATION & PURIFICATION

[Beta 2 fraction found in fully automated serum protein fractionation and its clinical significance] Ogata M, et al. **Rinsho Byori** 1983 Aug;31(8):809–18 **(Jpn)**

METABOLISM

Platelet release of beta-thromboglobulin within the coronary circulation during cold pressor stress. Fitchett D, et al. **Am J Cardiol** 1983 Oct 1;52(7):727–30
Glomerular deposition and serum levels of complement control proteins in patients with IgA nephropathy. Miyazaki R, et al. **Clin Nephrol** 1984 Jun;21(6):335–40
Selective PF4 release in vitro induced by heparin and related glycosaminoglycans (GAGs)—correlation with beta-TG release and platelet aggregation. Cofrancesco E, et al. **Thromb Haemost** 1984 Feb 28;51(1):105–7
Beta-thromboglobulin plasma levels in common migraine [letter] Violi F, et al. **Thromb Haemost** 1984 Apr 30; 51(2):295

BETA-GLUCOSIDASES see under **GLUCOSIDASES**

BETA-HYDROXYACYL DEHYDROGENASES see **3-HYDROXYACYL COA DEHYDROGENASES**

3-BETA-HYDROXYSTEROID DEHYDROGENASE see **3-HYDROXYSTEROID DEHYDROGENASES**

BETA-HYPOPHAMINE see **VASOPRESSINS**

BETA-LACTAM ANTIBIOTICS see **ANTIBIOTICS, LACTAM**

BETA-LACTAMASE I see **PENICILLINASE**

BETA-LACTAMASES

Des-, syn- and anti-oximino-delta 3-cephalosporins. Intrinsic reactivity and reaction with RTEM-2 serine beta-lactamase and D-alanyl-D-alanine-cleaving serine and Zn2+-containing peptidases. Laurent G, et al. **Biochem J** 1984 Mar 15;218(3):933-7

Thermal denaturation of native and cross-linked Bacillus cereus 569/H beta-lactamase I. Arnold LD, et al. **Biochim Biophys Acta** 1983 Dec 12;749(2):192-7

Crystallographic data for the beta-lactamase from Enterobacter cloacae P99. Charlier P, et al. **J Mol Biol** 1983 Dec 5;171(2):237-8

ANALYSIS

Detection of PSE-2 beta-lactamase in enterobacteria. Livermore DM, et al. **Antimicrob Agents Chemother** 1984 Feb;25(2):268-72

Comparison of polyacrylamide and agarose gel thin-layer isoelectric focusing for the characterization of beta-lactamases. Vecoli C, et al. **Antimicrob Agents Chemother** 1983 Aug;24(2):186-9

A novel method for determination of beta-lactamase using the agar dilution method. Tsuji H. **Chemotherapy** 1983; 29(6):401-7

A comparison of four methods for detecting beta-lactamase in anaerobic bacteria. Lee DT, et al. **Diagn Microbiol Infect Dis** 1983 Jun;1(2):173-5

Pyridinium 2-azo-p-dimethylaniline chromophore, a chromogenic reagent for beta-lactamase testing compared to nitrocefin. Barlam T, et al. **Eur J Clin Microbiol** 1984 Jun;3(3):185-9

Plasmid-determined beta-lactamases identified in a group of 204 ampicillin-resistant Enterobacteriaceae. Roy C, et al. **J Antimicrob Chemother** 1983 Nov;12(5):507-10

Branhamella catarrhalis: antibiotic sensitivities and beta-lactamases. Stobberingh EE, et al. **J Antimicrob Chemother** 1984 Jan;13(1):55-64

Characterization of penicillin-resistant beta-lactamase producing-strains of Neisseria gonorrhoeae isolated in Spain (1978-81). Rotger R, et al. **Microbiol Esp** 1983 Jul-Dec;36(3-4):115-22

[Distribution of constituent beta-lactamases in Pseudomonas aeruginosa] Philippon A, et al. **Presse Med** 1984 Mar 29; 13(13):772-6 (Eng. Abstr.) **(Fre)**

[Determination of beta-lactamase types of clinical strains of bacteria using a modified microiodometric method] Sazykin AIu, et al. **Antibiotiki** 1984 Jun;29(6):413-7 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Kinetic studies on the inhibition of Proteus vulgaris beta-lactamase by imipenem. Hashizume T, et al. **Antimicrob Agents Chemother** 1984 Jan;25(1):149-51

Penetration of sulbactam and ampicillin into peritoneal fluid. Wise R, et al. **Antimicrob Agents Chemother** 1983 Aug; 24(2):290-2

Novel carbapenem derivative SF2103A: studies on the mode of beta-lactamase inactivation. Yamaguchi A, et al. **Antimicrob Agents Chemother** 1984 Mar;25(3):348-53

Kinetic studies on inactivation of Citrobacter freundii cephalosporinase by sulbactam. Yamaguchi A, et al. **Antimicrob Agents Chemother** 1983 Jul;24(1):23-30

Activity of beta-lactamase inhibitors in combination with new beta-lactam antibiotics against resistant gram-negative organisms. Bolivar R, et al. **Diagn Microbiol Infect Dis** 1984 Jun;2(3):255-60

In vitro evaluation of U63196-E (AC-1370): antimicrobial activity, beta-lactamase stability, and beta-lactamase inhibition. Jones RN. **Diagn Microbiol Infect Dis** 1984 Apr; 2(2):161-7

N-(functionalized alkyl) derivatives of 6-aminopenicillanic acid: a new series of specific inhibitors of beta-lactamase from Enterobacter cloacae P99. Calverley MJ, et al. **J Antibiot (Tokyo)** 1983 Nov;36(11):1507-15

Synergistic activity of cefsulodin combined with cefoxitin and sulbactam against Bacteroides species. Fu KP, et al. **J Antimicrob Chemother** 1984 Mar;13(3):257-65

Cephalosporin-resistance in the Bacteroides fragilis group and the effect of clavulanic acid. Maskell JP, et al. **J Antimicrob Chemother** 1984 Jan;13(1):23-30

Effects of clindamycin on derepression of beta-lactamases in gram-negative bacteria. Sanders CC, et al. **J Antimicrob Chemother** 1983 Oct;12 Suppl C:97-104

beta-Lactamase inhibitors. Cartwright SJ, et al. **Med Res Rev** 1983 Oct-Dec;3(4):341-82 (149 ref.)

[HPLC study of the inhibition of enterobacterial cephalosporinases by cefmenoxime] Pechinot A, et al. **Pathol Biol (Paris)** 1984 May;32(5):386-8 (Eng. Abstr.) **(Fre)**

[Biological effects of coordination compounds of transitional metals. The beta-lactamase inhibitory effect of cis-platin, 2-aminopyridine palladium chloride, clavulanic acid and penicillanic acid sulfonate CP 45,899 in the nitrocefin test and Titertek/microtiter automatic system] Fleck WF, et al. **Z Allg Mikrobiol** 1983;23(5):313-7 (Eng. Abstr.) **(Ger)**

[Comparative study of the activities of beta lactamase inhibitors by nuclear magnetic resonance spectrometry] O'hara K, et al. **Jpn J Antibiot** 1983 Oct;36(10):2763-8 (Eng. Abstr.) **(Jpn)**

[Screening of beta-lactamase inhibitors among representatives of the genus Micromonospora and the genus Streptoverticillium] Bibikova MV, et al. **Antibiotiki** 1983 Sep;28(9):665-71 (Eng. Abstr.) **(Rus)**

[Beta-lactamase inhibitors and their possible therapeutic significance] Fomina IP, et al. **Antibiotiki** 1984 Feb; 29(2):142-8 (36 ref.) **(Rus)**

[Beta-lactamase inhibitors. II. Pharmacokinetics of an amoxicillin + clavulanic acid combination in renal insufficiency and during hemodialysis] Dalet F, et al. **Rev Clin Esp** 1984 Feb 15;172(3):159-63 (Eng. Abstr.) **(Spa)**

[Beta-lactamase inhibitors. I. In vivo evaluation of an amoxicillin + clavulanic acid combination in the treatment of urinary infections] Dalet F, et al. **Rev Clin Esp** 1984 Feb 15;172(3):153-7 (Eng. Abstr.) **(Spa)**

BIOSYNTHESIS

beta-Lactamase-producing bacteria recovered after clinical failures with various penicillin therapy. Brook I. **Arch Otolaryngol** 1984 Apr;110(4):228-31

In vivo protection of penicillin-susceptible Bacteroides melaninogenicus from penicillin by facultative bacteria which produce beta-lactamase. Brook I, et al. **Can J Microbiol** 1984 Jan;30(1):98-104

Influence of spontaneous and inducible beta-lactamase production on the antimicrobial activity of recently developed beta-lactam compounds. Cullmann W, et al. **Chemotherapy** 1984;30(3):175-81

Relation between beta-lactamase production and antimicrobial activity: comparison of the new compound HR 810 with cefotaxime [letter] Cullmann W, et al. **Eur J Clin Microbiol** 1983 Aug;2(4):350-2

In-vivo protection of group A beta-haemolytic streptococci from penicillin by beta-lactamase-producing Bacteroides species. Brook I, et al. **J Antimicrob Chemother** 1983 Dec; 12(6):599-606

Inducible beta-lactamases and non-hydrolytic resistance mechanisms. Sanders CC. **J Antimicrob Chemother** 1984 Jan;13(1):1-3

Nonspecific induction of beta-lactamase in Enterobacter cloacae. Cullmann W, et al. **J Gen Microbiol** 1984 Jul;130 (Pt 7):1781-6

Nonspecific induction of beta-lactamase in Enterobacter cloacae. Cullmann W, et al. **J Infect Dis** 1983 Oct; 148(4):765

Mechanisms of beta-lactam resistance in British isolates of Pseudomonas aeruginosa. Williams RJ, et al. **J Med Microbiol** 1984 Jun;17(3):283-93

Intrageneric and intergeneric transfer of Branhamella catarrhalis beta-lactamase production. Kamme C, et al. **Scand J Infect Dis** 1984;16(2):153-5

Betalactamase-producing microorganisms in recurrent tonsillitis. Tunér K, et al. **Scand J Infect Dis [Suppl]** 1983; 39:83-5

[Correlation between beta-lactamase production and the test of in vitro enzyme induction in 70 strains of gram-negative bacteria isolated in a hospital environment] Bovelacci A, et al. **Ann Sclavo** 1982 Nov-Dec;24(6):586-95 **(Ita)**

[Significance of beta lactamase on polymicrobial urinary tract infection and in-vitro microbiological studies] Kanematsu M. **Nippon Hinyokika Gakkai Zasshi** 1983 Jul;74(7):1140-60 (Eng. Abstr.) **(Jpn)**

[Laboratory methods of identification of Neisseria gonorrhoeae strains producing beta-lactamase (penicillinase)] Weyman-Rzucidło D, et al. **Przegl Dermatol** 1982 Sep-Dec;69(5-6):443-7 (Eng. Abstr.) **(Pol)**

[Prevalence of beta-lactamase-producing Haemophilus in pediatric infections] Ledermann W, et al. **Rev Chil Pediatr** 1983 May-Jun;54(3):166-9 (Eng. Abstr.) **(Spa)**

CLASSIFICATION

[Current principles of beta-lactamase classification] Bibikova MV, et al. **Antibiotiki** 1983 Oct;28(10):781-95 (89 ref.) **(Rus)**

DIAGNOSTIC USE

Enzyme immunoassays in which biotinillated beta-lactamase is used for the detection of microbial antigens. Yolken RH, et al. **J Clin Microbiol** 1984 Mar;19(3):356-60

GENETICS

Common beta-lactamase-specifying plasmid in Haemophilus ducreyi and Neisseria gonorrhoeae. Anderson B, et al. **Antimicrob Agents Chemother** 1984 Feb;25(2):296-7

Directed mutagenesis as a technique to study protein function: application to beta-lactamase. Dalbadie-McFarland G, et al. **Biochem Soc Trans** 1984 Apr;12(2):226-8

Sequence elements determining ampC promoter strength in E. coli. Jaurin B, et al. **EMBO J** 1982;1(7):875-81

Identification of a novel ampC beta-lactamase promoter in a clinical isolate of Escherichia coli. Olsson O, et al. **EMBO J** 1982;1(11):1411-6

Induction of cephalosporinase production by various penicillins in enterobacteriaceae. Minami S, et al. **J Antibiot (Tokyo)** 1983 Oct;36(10):1387-95

Induction of beta-lactamase and penicillin-binding proteins in Escherichia coli by introduction of Streptomyces DNA. Nakazawa H, et al. **J Antibiot (Tokyo)** 1983 Nov; 36(11):1543-8

Use of chromosomal integration in the establishment and expression of blaZ, a Staphylococcus aureus beta-lactamase gene, in Bacillus subtilis. Saunders CW, et al. **J Bacteriol** 1984 Mar;157(3):718-26

A Bacillus subtilis secretion vector system derived from the B. subtilis alpha-amylase promoter and signal sequence region, and secretion of Escherichia coli beta-lactamase by the vector system. Ohmura K, et al. **J Biochem (Tokyo)** 1984 Jan;95(1):87-93

The role of the beta-lactamase signal sequence in the secretion of proteins by Escherichia coli. Kadonaga JT, et al. **J Biol Chem** 1984 Feb 25;259(4):2149-54

Specific processing of the bacterial beta-lactamase precursor in Saccharomyces cerevisiae. Roggenkamp R, et al. **J Cell Biochem** 1983;22(3):141-9

Two improved promoter sequences for the beta-lactamase expression arising from a single base-pair substitution. Chen ST, et al. **Nucleic Acids Res** 1984 Apr 11;12(7):3219-34

Length and structural effect of signal peptides derived from Bacillus subtilis alpha-amylase on secretion of Escherichia coli beta-lactamase in B. subtilis cells. Ohmura K, et al. **Nucleic Acids Res** 1984 Jul 11;12(13):5307-19

ampC beta-lactamase hyperproduction in Escherichia coli: natural ampicillin resistance generated by horizontal chromosomal DNA transfer from Shigella. Olsson O, et al. **Proc Natl Acad Sci USA** 1983 Dec;80(24):7556-60

[TEM-type beta-lactamase coded by the plasmid from Citrobacter sp.] Sazykin AIu, et al. **Antibiotiki** 1983 Aug; 28(8):581-6 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Properties of novel beta-lactamase produced by Bacteroides fragilis. Yotsuji A, et al. **Antimicrob Agents Chemother** 1983 Dec;24(6):925-9

Purification of beta-lactamases by affinity chromatography on phenylboronic acid-agarose. Cartwright SJ, et al. **Biochem J** 1984 Jul 15;221(2):505-12

Purification and properties of a new beta-lactamase from Streptomyces UCSM-104. Garcés E, et al. **Braz J Med Biol Res** 1983 Jul;16(2):81-7

Isoelectric focusing of beta-lactamases on cellulose acetate membranes. Eley A, et al. **J Antimicrob Chemother** 1983 Aug;12(2):193-6

The origin and properties of beta-lactamase satellite bands seen in isoelectric focusing. Simpson IN, et al. **J Antimicrob Chemother** 1983 Aug;12(2):127-31

Purification and properties of thiol beta-lactamase. A mutant of pBR322 beta-lactamase in which the active site serine has been replaced with cysteine. Sigal IS, et al. **J Biol Chem** 1984 Apr 25;259(8):5327-32

Use of chromatofocusing for separation of beta-lactamases. IV. Beta-lactamases of the E. coli K12 strain carrying RP4 plasmid. Toth-Martinez BL, et al. **J Chromatogr** 1984 Apr 6;287(2):413-8

[Beta-lactamases of ampicillin-resistant Salmonella] Philippon A, et al. **Ann Microbiol (Paris)** 1984 Mar-Apr; 135(2):229-38 (Eng. Abstr.) **(Fre)**

[Isolation of a highly pure preparation of cephalexin amidase from bacteria of the genus Xanthomonas] Petrova LI, et al. **Antibiotiki** 1984 Mar;29(3):175-8 (Eng. Abstr.) **(Rus)**

METABOLISM

Resistance of Pseudomonas aeruginosa mutants with altered control of chromosomal beta-lactamase to piperacillin, ceftazidime, and cefsulodin. Bryan LE, et al. **Antimicrob Agents Chemother** 1984 Mar;25(3):382-4

Antibacterial activity of cefoperazone alone and in combination against cephalosporinase-producing Enterobacter cloacae. Minami S, et al. **Antimicrob Agents Chemother** 1983 Jul;24(1):123-5

In vitro antibacterial activity and beta-lactamase stability of E-0702, a new cephalosporin. Neu HC, et al. **Antimicrob Agents Chemother** 1983 Sep;24(3):313-20

In vitro activity and beta-lactamase stability of U-63196E, a novel cephalosporin. Neu HC, et al. **Antimicrob Agents Chemother** 1983 Sep;24(3):375-82

Mechanism of resistance of an ampicillin-resistant, beta-lactamase-negative clinical isolate of Haemophilus influenzae type b to beta-lactam antibiotics. Parr TR Jr, et al. **Antimicrob Agents Chemother** 1984 Jun;25(6):747-53

Properties of PSE-2 beta-lactamase and genetic basis for its production in Pseudomonas aeruginosa. Philippon AM, et al. **Antimicrob Agents Chemother** 1983 Sep;24(3):362-9

Purification and properties of an inducible cephalosporinase from Pseudomonas maltophilia GN12873. Saino Y, et al. **Antimicrob Agents Chemother** 1984 Mar;25(3):362-5

Influence of clindamycin on derepression of beta-lactamases in Enterobacter spp. and Pseudomonas aeruginosa. Sanders CC, et al. **Antimicrob Agents Chemother** 1983 Jul; 24(1):48-53

Mode of interaction between immunoglobulin G and mezlocillin against beta-lactamase producing bacteria. Dalhoff A, et al. **Arzneimittelforsch** 1983;33(12):1666-71

Comparative stability of first, second and third generation cephalosporins and N-formimidoyl thienamycin against gram-negative beta-lactamases. Vuye A. **Arzneimittelforsch** 1983;33(9):1236-9

The 1H nuclear-magnetic-resonance spectroscopy of

cobalt(II)–beta–lactamase II. Galdes A, et al. **Biochem J** 1980 Jun 1;187(3):789–95

Pseudomonas aeruginosa beta–lactamases. Savoia D, et al. **Boll Ist Sieroter Milan** 1983;62(6):489–494

The effect of augmentin on sputum beta–lactamase activity in patients with cystic fibrosis. Penketh AR, et al. **Br J Clin Pract** 1984 May;38(5):188–9

Comparative study of the beta–lactamase activity found in Achromobacter. Levesque R, et al. **Can J Microbiol** 1983 Jul;29(7):819–26

The effect of beta–lactamase stability, penetration, and target affinity on the activity of cefazolin, cefamandole, cefoxitin, and cefuroxime. Harper PB. **Clin Ther** 1984;6(3):310–24

Antimicrobial activity, beta–lactamase stability and beta–lactamase inhibition of cefotetan and other 7–alpha–methoxy beta–lactam antimicrobials. Jones RN, et al. **Diagn Microbiol Infect Dis** 1983 Mar;1(1):71–83

Beta–lactamase stability of cefoxitin in comparison with other beta–lactam compounds. Neu HC. **Diagn Microbiol Infect Dis** 1983 Dec;1(4):313–6

The requirement for energy during export of beta–lactamase in Escherichia coli is fulfilled by the total protonmotive force. Bakker EP, et al. **EMBO J** 1984 Apr;3(4):895–900

HR 810, a cephalosporin with low affinity for Enterobacter cloacae beta–lactamase [letter] Tolxdorff–Neutzling RM, et al. **Eur J Clin Microbiol** 1983 Aug;2(4):352–4

Inhibitory activity and resistance to hydrolysis by beta–lactamases of some (D,L)–7–(alpha–fluoroacylamino)cephalosporins. Somma S, et al. **Farmaco [Sci]** 1984 May;39(5):463–72

Beta–lactamases of five multiresistant Staphylococcus aureus. Ray B, et al. **Indian J Med Res** 1984 Jan;79:41–5

What do beta–lactamases mean for clinical efficacy? Neu HC. **Infection** 1983;11 Suppl 2:S74–80

Beta–lactamases in ampicillin–resistant enterobacteriaceae. Opferkuch W, et al. **Infection** 1983;11 Suppl 2:S83–4

Characterization of cephalosporinases from Bacteroides fragilis, Bacteroides thetaiotaomicron and Bacteroides vulgatus. Sato K, et al. **J Antibiot (Tokyo)** 1983 Jan; 36(1):76–85

Different mechanisms of resistance to latamoxef (moxalactam) in Serratia marcescens. Gutmann L, et al. **J Antimicrob Chemother** 1984 Jan;13(1):15–22

Binding of antibiotics by non–albumin proteins. Hamilton–Miller JM. **J Antimicrob Chemother** 1984 Apr; 13(4):303–5

3–Dimensional susceptibility testing of beta–lactam antibiotics. Thomson KS, et al. **J Antimicrob Chemother** 1984 Jan;13(1):45–54

The activity of cefotiam on beta–lactamase–producing bacteria in an in–vitro model. Wiedemann B, et al. **J Antimicrob Chemother** 1984 Feb;13(2):111–9

Pre–steady state beta–lactamase kinetics. The trapping of a covalent intermediate and the interpretation of pH rate profiles. Anderson EG, et al. **J Biol Chem** 1983 Nov 10; 258(21):13120–6

Rapid, inexpensive method for specific detection of microbial beta–lactamases by detection of fluorescent end products. Chen KC, et al. **J Clin Microbiol** 1984 Jun;19(6):818–25

Simple screening method for beta–lactamase–positive and –negative ampicillin–resistant Haemophilus influenzae isolates. Parr TR Jr, et al. **J Clin Microbiol** 1984 Jul; 20(1):131–2

Transposition of a gene encoding OXA–2 beta–lactamase. Kratz J, et al. **J Gen Microbiol** 1983 Sep;129 (Pt 9):2951–7

Dependence of beta–lactamase stability on substructures within beta–lactam antibiotics. Cimarusti CM. **J Med Chem** 1984 Mar;27(3):247–53

Ceftizoxime: a beta–lactamase–stable, broad–spectrum cephalosporin. Pharmacokinetics, adverse effects and clinical use. Neu HC. **Pharmacotherapy** 1984 Mar–Apr; 4(2):47–60 (116 ref.)

Determinants for protein localization: beta–lactamase signal sequence directs globin across microsomal membranes. Lingappa VR, et al. **Proc Natl Acad Sci USA** 1984 Jan; 81(2):456–60

beta–Lactamase–catalyzed hydrolysis of acyclic depsipeptides and acyl transfer to specific amino acid acceptors. Pratt RF, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(5):1302–6

Plasmid–mediated beta–lactam resistance of Escherichia coli isolated from travellers' diarrhoea in the Far East. Møller JK, et al. **Scand J Infect Dis** 1983;15(4):407–8

Investigations on beta–lactamase stability of recently developed beta–lactam compounds: study of enzyme kinetics. Cullmann W, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 May; 254(3):413–22

Influence of methoxy–substitution of beta–lactam compounds on the interaction with various beta–lactamases. Cullmann W, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Nov; 256(1):109–18

Detection of beta lactamase producing bacteria by Cefinase: comparison with three other methods. Qadri SM, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Nov; 255(4):489–93

[Mechanisms of azlocillin resistance in Pseudomonas aeruginosa] Labia R, et al. **Presse Med** 1984 Mar 29; 13(13):777–9 (Eng. Abstr.) **(Fre)**

[In vitro activity of beta–lactam antibiotics and their sensitivity to beta–lactamase] Esposito S, et al. **Boll Soc Ital Biol Sper** 1983 Nov 30;59(11):1674–7 (Eng. Abstr.) **(Ita)**

[Sensitivity of 5 beta–lactam antibiotics to beta–lactamase isolated from E. coli and its respective transconjugates] Galante D, et al. **Boll Soc Ital Biol Sper** 1983 Nov 30; 59(11):1678–82 (Eng. Abstr.) **(Ita)**

[Antibiotic susceptibility and beta–lactamase activities of Neisseria gonorrhoeae isolated in 1981] Okazaki T, et al. **Kansenshogaku Zasshi** 1983 Mar;57(3):205–11 (Eng. Abstr.) **(Jpn)**

[Characteristics of the substrate specificity of the crude endogenous beta–lactamases of gram–negative bacteria] Bibikova MV, et al. **Antibiotiki** 1983 Aug;28(8):566–73 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

In vitro activity and beta–lactamase stability of a monobactam, SQ 26,917, compared with those of aztreonam and other agents. Neu HC, et al. **Antimicrob Agents Chemother** 1983 Aug;24(2):227–32

Inactivation of cephamycins by various beta–lactamases from gram–negative bacteria. Minami S, et al. **J Antibiot (Tokyo)** 1984 May;37(5):577–87

Influence of beta–lactamase–producing strains of Branhamella catarrhalis and Haemophilus influenzae on certain beta–lactam antibiotics. Johnsson J, et al. **J Antimicrob Chemother** 1983 Sep;12(3):269–71

Frequency of beta–lactamases that are markedly active against carbenicillin in the Pseudomonas aeruginosa strains isolated in a medical school hospital. Jouvenot M, et al. **J Antimicrob Chemother** 1983 Nov;12(5):451–8

PHYSIOLOGY

Beta–lactamases: clinical and genetic perspectives. Pechère JC, et al. **J Antimicrob Chemother** 1983 Dec;12(6):529–32

Emergence of resistance during therapy with the newer beta–lactam antibiotics: role of inducible beta–lactamases and implications for the future. Sanders CC, et al. **Rev Infect Dis** 1983 Jul–Aug;5(4):639–48 (83 ref.)

THERAPEUTIC USE

[Antibiotics and chemotherapy—from research to practice. IX. Remarks directed to practitioners on the characteristics of semi–synthetic penicillins and various other recently discovered beta–lactamases] Pilloud M. **Schweiz Arch Tierheilkd** 1984 Feb;126(2):65–81 (Eng. Abstr.) **(Fre)**

BETA LIPOPROTEINS see **LIPOPROTEINS, LDL**

BETA–LIPOTROPIN see **LIPOTROPIN**

BETA 2 MICROGLOBULIN

[Beta2–microglobulin] Kin K. **Rinsho Byori** 1983 May; 31(5):474–79 (20 ref.) **(Jpn)**

ANALYSIS

Plasma beta–2–microglobulin and fibronectin levels in beta–thalassaemia. Cooper EH, et al. **Acta Haematol (Basel)** 1984;71(4):257–62

Tumor markers and neurological signs in asbestosis patients. Järvisalo J, et al. **Am J Ind Med** 1984;6(2):159–66

Antibody to human T–cell leukemia virus membrane antigens, beta 2–microglobulin levels, and thymosin alpha 1 levels in hemophiliacs and their spouses. Kreiss JK, et al. **Ann Intern Med** 1984 Feb;100(2):178–82

Beta–2–microglobulin in acquired immune deficiency syndrome. Francioli P, et al. **Antibiot Chemother** 1983; 32:147–52

Beta2–microglobulin, carcinoembryonic antigen and prostatic acid phosphatase in split ejaculates and urine voided before and after massage of the prostate. Lizana J, et al. **Arch Androl** 1983 Dec;11(3):225–32

Loss of membrane B2 microglobulin in eccrine porocarcinoma. Its association with the histopathologic and clinical criteria of malignancy. Holden CA, et al. **Arch Dermatol** 1984 Jun;120(6):732–5

Beta 2m levels, autoimmune diseases, and interferon [letter] Schattner A. **Arthritis Rheum** 1984 Mar;27(3):358–9

Beta–2–microglobulin in myeloma: optimal use for staging, prognosis, and treatment—a prospective study of 160 patients. Bataille R, et al. **Blood** 1984 Feb;63(2):468–76

Serum beta 2 microglobulin in adult myeloid acute leukemias. Campos L, et al. **Blut** 1984 Apr;48(4):221–6

Dissociation of HLA heavy chain and light chain (beta 2 microglobulin) expression on the cell surface of cutaneous malignancies. Mauduit G, et al. **Br J Dermatol** 1983 Oct; 109(4):377–81

Clinical significance of serum beta 2–microglobulin in leukemia. Kageyama T, et al. **Bull Osaka Med Sch** 1982 Oct;28(2):134–9

Modification of beta 2–microglobulin in serum from patients with small cell carcinoma of the lung—correlation with the clinical course. Nissen MH, et al. **Clin Chim Acta** 1984 Aug 15;141(1):41–50

Elevated beta 2–microglobulin and lysozyme levels in patients with acquired immune deficiency syndrome. Grieco MH, et al. **Clin Immunol Immunopathol** 1984 Aug; 32(2):174–84

Prognostic significance of pretreatment serum beta 2–microglobulin levels in multiple myeloma. Scarffe JH, et al. **Eur J Cancer Clin Oncol** 1983 Oct;19(10):1361–4

Beta–2 microglobulin: a sensitive non–specific marker for acquired immune deficiency syndrome. Francioli P, et al. **Eur J Clin Microbiol** 1984 Feb;3(1):68–9

Serological evidences for a membrane structure related to human beta 2–microglobulin expressed by certain earthworm leukocytes. Roch P, et al. **Eur J Immunol** 1983 Dec;13(12):1037–42

Analysis of serum and urinary beta 2–microglobulin in Japanese subjects. Ogata M, et al. **Ind Health** 1984;22(1):1–9

beta 2–Microglobulin and other low molecular weight proteins in haemodiafiltrates and in haemofiltrates. Montali U, et al. **Int J Tissue React** 1984;6(1):71–4

Serum beta 2–microglobulin in the initial staging and subsequent monitoring of monoclonal plasma cell disorders. Garewal H, et al. **J Clin Oncol** 1984 Jan;2(1):51–7

beta–2–microglobulin in benign and malignant adnexal skin tumors and metastasizing basocellular carcinomas. Kallioinen M, et al. **J Cutan Pathol** 1984 Feb;11(1):27–34

Failure to detect beta 2 microglobulin in viral warts. Furue M, et al. **J Dermatol (Tokyo)** 1983 Oct;10(5):455–9

Advantage of monoclonal vs. polyclonal antisera in a beta 2–microglobulin radioimmunoassay. Gerity E, et al. **J Immunol Methods** 1984 Mar 30;68(1–2):131–5

Beta 2–microglobulin: an old molecule assumes a new look. Messner RP. **J Lab Clin Med** 1984 Aug;104(2):141–5 (32 ref.)

beta 2–microglobulin in non–malignant and malignant human breast: a feature of differentiation. Sidky K, et al. **J Pathol** 1984 Feb;142(2):135–40

Circulating beta–2–microglobulin levels during pregnancy and their possible relationship with feto–maternal histocompatibility. Bischof P, et al. **J Perinat Med** 1984; 12(1):13–7

Quantitation of beta 2–microglobulin and other immune characteristics in a prospective study of men at risk for acquired immune deficiency syndrome. Zolla–Pazner S, et al. **JAMA** 1984 Jun 8;251(22):2951–5

Plasma beta 2–microglobulin levels in bone marrow transplant patients with cytomegalovirus infection [letter] Norfolk DR, et al. **Lancet** 1984 Mar 24;1(8378):685–6

Distribution of the two forms of guinea–pig beta 2–microglobulin originally detected in urine. Cigén R. **Mol Immunol** 1983 Dec;20(12):1385–91

Beta–2–microglobulin in mesangial IgA nephropathy. Woo KT, et al. **Nephron** 1984;37(2):78–81

Radiocrossed immunoelectrophoretical heterogeneity of beta 2–microglobulin in blood from patients with germ cell tumors and with colorectal cancer. Hangaard J, et al. **Oncodev Biol Med** 1983;4(6):C105–13

The relationships among serum creatinine, beta 2–microglobulin and inulin clearance in renal disease. Shieh SD, et al. **Taiwan I Hsueh Hui Tsa Chih** 1983 Dec; 82(12):1210–5

[Beta–2 microglobulin and malignant lymphoma] Krč I, et al. **Vnitr Lek** 1983 Nov;29(11):1089–94 (Eng. Abstr.) **(Cze)**

[Beta 2 microglobulin. Index of glomerular filtration in children] Leroy D, et al. **Arch Fr Pediatr** 1984 Jan; 41(1):43–7 (Eng. Abstr.) **(Fre)**

[Significance of the elevation of beta 2 microglobulin in alcoholic hepatopathies (letter)] Schlienger JL, et al. **Gastroenterol Clin Biol** 1984 May;8(5):486–7 **(Fre)**

[Diagnostic value of the assay of beta 2 microglobulin during the monitoring of surgically–treated colorectal cancers. Comparison with carcinoembryonic antigen] Triboulet JP, et al. **Gastroenterol Clin Biol** 1983 Oct;7(10):808–11 (Eng. Abstr.) **(Fre)**

[Our experience with the determination of serum and synovial beta 2 microglobulin in rheumatology] Brousse A, et al. **Rev Rhum Mal Osteoartic** 1984 Jan;51(1):25–7 **(Fre)**

[Beta 2 microglobulin in diabetic patients. Apropos of 190 subjects] Dauzat J, et al. **Sem Hop Paris** 1984 Mar 8; 60(11):745–8 (Eng. Abstr.) **(Fre)**

[Psoriatic arthritis: considerations on recent studies: serum beta 2 microglobulin and circulating T–gamma lymphocytes] Mathieu A, et al. **Boll Ist Sieroter Milan** 1983 Sep 30;62(4):344–9 (Eng. Abstr.) **(Ita)**

[Beta 2–microglobulin in lymphoproliferative disorders] Leoni P, et al. **G Clin Med** 1983 Sep–Oct;64(9–10):315–25 (Eng. Abstr.) **(Ita)**

[Beta 2 microglobulin and CEA in the blood and homogenate: comparison in neoplastic and non–neoplastic pulmonary pathology] Abbasciano V, et al. **Riv Emoter Immunoematol** 1983;30(3):271–81 (Eng. Abstr.) **(Ita)**

[Assessment of serum ferritin, CEA, beta 2–MG and PAP determinations in patients with urinary tract malignancies] Ohashi T, et al. **Hinyokika Kiyo** 1983 Feb;29(2):141–53 (Eng. Abstr.) **(Jpn)**

[Basic and clinical study on the measurement of serum and urine beta 2–microglobulin concentrations using phadebas beta 2–microglobulin] Ota H, et al. **Kaku Igaku** 1983 Jun; 20(5):739–46 **(Jpn)**

[Carcinoembryonic antigen and beta 2–microglobulin in genital Paget's disease] Furue M, et al. **Nippon Hifuka Gakkai Zasshi** 1983 Oct;93(11):1189–94 **(Jpn)**

[Clinical investigation of beta 2–microglobulin in primary glomerulonephritis: correlation with renal histopathological findings] Soejima A, et al. **Nippon Jinzo Gakkai Shi** 1983 Nov;25(11):1335–41 (Eng.

Abstr.) (Jpn)
[Interferons and beta 2-microglobulin levels in pneumoconiosis patients] Kuboto M, et al. **Sangyo Igaku** 1983 Nov;25(6):516-7 (Jpn)
[Diagnostic value of the determination of beta 2 microglobulin] Kopeć J. **Przegl Lek** 1983;40(5):449-54 (64 ref.) (Pol)
[Beta 2-microglobulin: structure, function and clinical application (review of the literature)] Klimenko VS, et al. **Lab Delo** 1984;(3):131-7 (45 ref.) (Rus)
[Tumor markers in focal and diffuse liver diseases] Kasatkin IuN, et al. **Med Radiol (Mosk)** 1984 Apr;29(4):39-43 (Eng. Abstr.) (Rus)
[Beta 2-microglobulin in the blood and urine in pyelonephritis in diabetes mellitus patients] Vasiukova EA, et al. **Med Radiol (Mosk)** 1983 Nov;28(11):59-63 (Rus)
[Low-molecular protein beta 2-microglobulin in chronic kidney failure in children] Matveev MP, et al. **Pediatriia** 1984 Jun;(6):35-7 (Eng. Abstr.) (Rus)
[Diagnostic value of a study of beta 2-microglobulin in the blood serum and urine] Klimenko VS, et al. **Ter Arkh** 1984; 56(5):134-8 (73 ref.) (Rus)

BIOSYNTHESIS

H-2 class I heavy chain and B2-microglobulin are coordinately synthesized in studies of AKR thymomas. Alonzo AD, et al. **Transplant Proc** 1983 Dec;15(4):2021-3

BLOOD

beta 2 microglobulin plasma levels reflect disease activity in rheumatoid arthritis. Crisp AJ, et al. **J Rheumatol** 1983 Dec;10(6):954-6
[Early detection of diabetic nephropathy: serum beta 2-microglobulin] Goebel FD, et al. **Klin Wochenschr** 1983 Dec 1;61(23):1209-15 (Eng. Abstr.) (Ger)

CEREBROSPINAL FLUID

Low molecular weight plasma proteins in the cerebrospinal fluid of children with hematological malignancies. Duggan MB, et al. **Med Pediatr Oncol** 1984;12(2):131-6

GENETICS

Structure and expression of the mouse beta 2-microglobulin gene isolated from somatic and non-expressing teratocarcinoma cells. Daniel F, et al. **EMBO J** 1983; 2(7):1061-5
Regulated expression of an introduced MHC H-2K bm1 gene in murine embryonal carcinoma cells. Rosenthal A, et al. **Nature** 1984 Aug 2-8;310(5976):415-8
Reversible association with beta 2-microglobulin as tool for phylogenetic studies of major histocompatibility antigens. Schmidt W, et al. **Transplant Proc** 1983 Dec;15(4):2048-50

IMMUNOLOGY

Limitation of differential expression of HLA-A,B,C antigens on choriocarcinoma cell lines by messenger RNA for HLA heavy chain but not by beta 2-microglobulin. Kawata M, et al. **Cancer Res** 1984 Sep;44(9):4011-6
Characterization of polyclonal autoantibodies specific for beta 2-microglobulin in multiple myeloma sera. Vincent C, et al. **Clin Exp Immunol** 1983 Dec;54(3):689-96
On the possible presence of a beta 2-microglobulin-like protein in extracts of livers from normal chickens and chickens with erythroblastosis--V. Studies on an immunological relationship of a small molecular weight liver protein (SMWP) to serum albumin. Darcel CL. **Comp Biochem Physiol [B]** 1983;76(3):423-7
Binding of monoclonal antibodies inhibits dissociation but not exchange of HLA and beta 2-microglobulin. Parham P. **Hum Immunol** 1983 Nov;8(3):207-15
Partial characterization of circulating macromolecular beta 2-microglobulin complexes by density gradient ultracentrifugation and page-blotting. Falus A, et al. **Immunol Lett** 1983;7(2):61-4
Immunological evaluation of renal transplant patients: changes in levels of beta-2-microglobulin, immunoglobulins and complement components during graft rejection. Barnes RM, et al. **J Clin Lab Immunol** 1983 Sep; 12(1):17-22
Lack of beta 2-microglobulin on the surface of canine transmissible venereal tumor cells. Cohen D, et al. **JNCI** 1984 Feb;72(2):395-401
Transformation of LMTK- cells with purified HLA class I genes--IV. A determinant on beta 2-microglobulin is controlled by HLA heavy chain in a mouse-human hybrid complex: a biochemical analysis. van Agthoven AJ, et al. **Mol Immunol** 1984 Feb;21(2):175-9
Auto-antibodies specific for beta 2 microglobulin in normal human serum. Vincent C, et al. **Mol Immunol** 1983 Aug; 20(8):877-84
Beta 2-microglobulin from serum associates with MHC class I antigens on the surface of cultured cells. Bernabeu C, et al. **Nature** 1984 Apr 12-18;308(5960):642-5
Serum beta 2-microglobulin binds to a T-cell differentiation antigen and increases its expression. Kefford RF, et al. **Nature** 1984 Apr 12-18;308(5960):641-2
On the heterologous interaction between beta 2-microglobulin and the heavy chain of rat major histocompatibility complex class 1 antigens. Lögdberg L, et al. **Scand J Immunol** 1984 Jul;20(1):61-8
Inhibition of platelet aggregation by monoclonal antibody reactive with beta 2-microglobulin chain of HLA complex. Curry RA, et al. **Science** 1984 May 4;224(4648):509-11
[Beta2-microglobulin--immunological and nephrological aspects (review of the literature)] Galaĭ BM. **Vrach Delo** 1984 Mar;(3):76-80 (40 ref.) (Rus)

ISOLATION & PURIFICATION

A fast silver staining method for protein detection after isoelectric focusing in agarose gels. Lasne F, et al. **Anal Biochem** 1983 Jul 15;132(2):338-41
Beta 2 microglobulin-like polypeptide of the goldfish, Carassius auratus. Warr GW, et al. **Mol Immunol** 1984 Jan; 21(1):105-8

METABOLISM

Interaction of C1q with beta 2-microglobulin. Björck L, et al. **Acta Pathol Microbiol Immunol Scand [Suppl]** 1984; 284:19-23
Beta 2-microglobulin and its binding activity in serum from patients with SLE. Evrin PE, et al. **Ann Rheum Dis** 1984 Apr;43(2):267-74
Serum beta2 microglobulin and survival duration in multiple myeloma: a simple reliable marker for staging. Bataille R, et al. **Br J Haematol** 1983 Nov;55(3):439-47
Serum beta-2-microglobulin binding activity in monoclonal gammopathy: correlative study and clinical significance. Bataille R, et al. **Eur J Cancer Clin Oncol** 1983 Aug; 19(8):1075-80
Electron microscopic localization of receptors for aggregated beta 2-microglobulin on the surface of beta-hemolytic streptococci. Wagner M, et al. **Infect Immun** 1983 Oct; 42(1):326-32
Beta 2-microglobulin concentration in plasma and production in liver cirrhosis. Amodio P, et al. **J Clin Chem Clin Biochem** 1984 Feb;22(2):147-51
Serum beta-2-microglobulin in intestinal and hepatosplenic bilharziasis. Nasser HE, et al. **J Egypt Soc Parasitol** 1983 Dec;13(2):423-7
Renal handling of beta-2-microglobulin in the human neonate. Engle WD, et al. **Kidney Int** 1983 Sep;24(3):358-63
Binding of mammalian beta 2-microglobulin by glycoproteins in fish serum. Lögdberg L, et al. **Mol Immunol** 1983 Aug; 20(8):885-91
On the interaction between beta 2-microglobulin and group A streptococci. Björck L, et al. **Scand J Immunol** 1984 Jul;20(1):69-79
Dynamic aspects of beta 2-microglobulin replacement on the surface of mouse lymphoma cells. Robinson PJ, et al. **Transplant Proc** 1983 Dec;15(4):2051-3
[Beta 2 microglobulin in the serum as a parameter for the evaluation of kidney function in pregnant patients with EPH gestosis] Bartl W. **Z Geburtshilfe Perinatol** 1983 Jul-Aug;187(4):178-82 (Eng. Abstr.) (Ger)
[The variation of low molecular weight protein level after intravenous arginine administration--correlation between renal tubular function and the level of beta 2-microglobulin] Shinazato K. **Nippon Jinzo Gakkai Shi** 1983 Nov;25(11):1349-65 (Eng. Abstr.) (Jpn)
[Clinical value of the determination of beta 2 microglobulin in kidney diseases] Potsybina VV, et al. **Urol Nefrol (Mosk)** 1984 May-Jun;(3):53-6 (Eng. Abstr.) (Rus)
[Clearance of urea, creatinine, beta 2 microglobulin and the loss of proteins in treatment with continuous ambulatory peritoneal dialysis] Kozjak D, et al. **Lijec Vjesn** 1982 Nov-Dec;104(11-12):532-5 (Eng. Abstr.) (Scr)

PHARMACODYNAMICS

Beta 2-microglobulin induces intracellular transport of human class I transplantation antigen heavy chains in Xenopus laevis oocytes. Severinsson L, et al. **J Cell Biol** 1984 Jul;99(1 Pt 1):226-32

PHYSIOLOGY

Expression of H-2Db on the cell surface in the absence of detectable beta 2 microglobulin. Potter TA, et al. **J Exp Med** 1984 Jul 1;160(1):317-22

URINE

Fetal renal maturation. Studies on urinary beta 2 microglobulin the neonate. Takieddine F, et al. **Acta Obstet Gynecol Scand** 1983;62(4):311-4
Increased fractional excretion of phosphate and beta 2-microglobulin in unilateral renal disease. Aperia A, et al. **Acta Paediatr Scand** 1983 Nov;72(6):889-94
N-acetyl-beta-glucosaminidase and beta 2-microglobulin in renal disease [letter] Søgaard P. **Arch Intern Med** 1984 Feb; 144(2):421
Urinary excretion of interferon, albumin, and beta 2-microglobulin during interferon treatment. Sumpio BE, et al. **Cancer Res** 1984 Aug;44(8):3599-603
Administration of gallium nitrate by continuous infusion: lack of chronic nephrotoxicity confirmed by studies of enzymuria and beta 2-microglobulinuria. Leyland-Jones B, et al. **Cancer Treat Rep** 1983 Oct;67(10):941-2
Degradation of beta 2-microglobulin in infected urine by leukocyte elastase-like activity. Norden AG, et al. **Clin Chim Acta** 1983 Oct 31;134(1-2):167-76
Interaction between the renal excretion rates of beta 2-microglobulin and tobramycin in man. Vree TB, et al. **Clin Chim Acta** 1984 Mar 27;138(1):49-57
Copper and zinc levels in serum and urine of cadmium-exposed people with special reference to renal tubular damage. Nogawa K, et al. **Environ Res** 1984 Feb; 33(1):29-38
Urinary beta-2-microglobulin determinations in assessment of tubular dysfunction after X-ray contrast media application. Uthmann U, et al. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1983; 118:43-9
Urinary excretion of cadmium, protein, beta-2-microglobulin and glucose in individuals living in a cadmium-polluted area. Sangster B, et al. **Hum Toxicol** 1984 Feb;3(1):7-21
Urinary alanine aminopeptidase and beta 2-microglobulin as measurements of aminoglycoside-associated renal impairment. Trollfors B, et al. **Infection** 1984 Jan-Feb; 12(1):20-2
Urinary cadmium and beta 2-microglobulin: normal values and concentration adjustment. Kowal NE, et al. **J Toxicol Environ Health** 1983 Apr-Jun;11(4-6):607-24
Reversible tubular lesion in pregnancy-induced hypertension detected by urinary beta 2-microglobulin. Krieger MS, et al. **Obstet Gynecol** 1984 Apr;63(4):533-6
Urinary excretion of proteins in chromeplaters, exchromeplaters and referents. Lindberg E, et al. **Scand J Work Environ Health** 1983 Dec;9(6):505-10
[Assessment of urinary ferritin, CEA and beta 2-MG determinations in patients with urinary tract malignancies] Ohashi T, et al. **Hinyokika Kiyo** 1983 Feb;29(2):131-9 (Eng. Abstr.) (Jpn)
[Tubular dysfunction after open heart surgery] Yasuma F, et al. **Nippon Geka Gakkai Zasshi** 1984 May;85(5):415-20 (Eng. Abstr.) (Jpn)
[Studies on reflux nephropathy, I. Evaluation of renal function by urinary excretion of beta 2-microglobulin] Konda R, et al. **Nippon Hinyokika Gakkai Zasshi** 1984 Feb; 75(2):245-54 (Eng. Abstr.) (Jpn)
[Urinary excretion of beta2-microglobulin in workers exposed to metallic mercury vapor] Yoshida M, et al. **Sangyo Igaku** 1983 Jul;25(4):272-3 (Jpn)
[Beta 2 microglobulin in the urine of workers exposed to vapors of non-ferrous metals] Krajewska B, et al. **Pol Tyg Lek** 1983 Jul 25;38(30):925-8 (Eng. Abstr.) (Pol)
[Test with beta 2-microglobulin as an indicator of kidney function disorder in diabetes mellitus] Filimonov MA, et al. **Vrach Delo** 1983 Aug;(8):64-6 (Eng. Abstr.) (Rus)

BETA RHYTHM see under **ELECTROENCEPHALOGRAPHY**

BETA-THROMBOGLOBULIN see under **BETA GLOBULINS**

BETA TRACE PROTEIN see under **BETA GLOBULINS**

BETADEXAMETHASONE see **BETAMETHASONE**

BETAHISTINE see under **PYRIDINES**

BETAINE

ANALOGS & DERIVATIVES

Mice and rabbit models for oral and percutaneous absorption and disposition of amphoteric surfactant C31G. Michaels EB, et al. **Am J Vet Res** 1983 Oct;44(10):1977-83
gamma-butyrobetaine in tissues and serum of fed and starved rats determined by an enzymic radioisotopic procedure. Noël H, et al. **Biochem J** 1984 Jun 15;220(3):701-6
Uncoupling and isotope effects in gamma-butyrobetaine hydroxylation. Holme E, et al. **Biosci Rep** 1984 May; 4(5):433-40
Osmoregulation in Klebsiella pneumoniae: enhancement of anaerobic growth and nitrogen fixation under stress by proline betaine, gamma-butyrobetaine, and other related compounds. Le Rudulier D, et al. **Can J Microbiol** 1984 Mar;30(3):299-305
Carnitine biosynthesis from gamma-butyrobetaine and from exogenous protein-bound 6-N-trimethyl-L-lysine by the perfused guinea pig liver. Effect of ascorbate deficiency on the in situ activity of gamma-butyrobetaine hydroxylase. Dunn WA, et al. **J Biol Chem** 1984 Sep 10;259(17):10764-70
Evaluation of a surfactant mixture C31G as a teat dip by a modified excised teat model. Amin MM, et al. **J Dairy Sci** 1984 Feb;67(2):421-6
Effect of dietary carnitine isomers and gamma-butyrobetaine on L-carnitine biosynthesis and metabolism in the rat. Rebouche CJ. **J Nutr** 1983 Oct;113(10):1906-13
[Possibilities of using amphoteric surface agents in the campaign against the agents of schistosomiasis transmission] Combes C, et al. **Ann Parasitol Hum Comp** 1983;58(4):353-9 (Eng. Abstr.) (Fre)

ANALYSIS

Determination of sugars (and betaine) in molasses by high-performance liquid chromatography. Comparison of the results with those obtained by the classical Lane-Eynon method. Rajakylä E, et al. **J Chromatogr** 1983 Dec 30; 282:595-602

ISOLATION & PURIFICATION

Chromatographic separation of choline, trimethylamine, trimethylamine oxide, and betaine from tissues of marine fish. Charest R, et al. **Anal Biochem** 1984 Feb;136(2):421–4

PHARMACODYNAMICS

Spectroscopic studies on the photoreaction of choline oxidase, a flavoprotein, with covalently bound flavin. Ohta M, et al. **J Biochem (Tokyo)** 1983 Sep;94(3):879–92

Betaine delays the onset of neurological impairment in nitrous oxide–induced vitamin B–12 deficiency in fruit bats. van der Westhuyzen J, et al. **J Nutr** 1984 Jun;114(6):1106–11

THERAPEUTIC USE

Betaine in the treatment of homocystinuria due to 5,10–methylenetetrahydrofolate reductase deficiency. Wendel U, et al. **Eur J Pediatr** 1984 Jun;142(2):147–50

Betaine in the treatment of homocystinuria [letter] Benevenga NJ. **N Engl J Med** 1984 Jan 26;310(4):265–6

Betaine therapy for homocystinuria. **Nutr Rev** 1984 May; 42(5):180–2 (11 ref.)

[Effect of trimethylglycine on lipid metabolism in experimental atherosclerosis in rabbits] Panteleĭmonova TN, et al. **Farmakol Toksikol** 1983 Jul–Aug;46(4):83–5 (Eng. Abstr.) **(Rus)**

BETAMETHASONE

Is osteonecrosis of the femoral head avascular? Bone blood flow measurements after long–term treatment with corticosteroids. Bouteiller G, et al. **Metab Bone Dis Relat Res** 1983;4(5):313–8

ADMINISTRATION & DOSAGE

Plasma steroid levels and clinical effects after topical application of betamethasone. Baba S, et al. **Graefes Arch Clin Exp Ophthalmol** 1983;220(5):209–14

[Erythema gyratum repens and primary bronchial cancer. Disappearance of the dermatosis under general corticoid therapy] Larrouy JC, et al. **Ann Dermatol Venereol** 1983; 110(4):329–34 (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

Cardiovascular response and complications of glucocorticoid therapy in hypertensive pregnancies [letter] Spätling L, et al. **Am J Obstet Gynecol** 1984 Aug 1;149(7):807–8

Transient immunologic effects of betamethasone in human pregnancy after suppression of preterm labor. Hensleigh PA, et al. **Am J Reprod Immunol** 1983 Sep;4(2):83–7

Central serous chorioretinopathy complicating systemic corticosteroid treatment. Wakakura M, et al. **Br J Ophthalmol** 1984 May;68(5):329–31

ANALOGS & DERIVATIVES

The effect on psoriasis of clobetasol propionate used alone or in combination with UVB. Larkö O, et al. **Acta Derm Venereol (Stockh)** 1984;64(2):151–4

Proliferative responses of fibroblasts from psoriatic and normal skin to clobetasol propionate. Priestley GC, et al. **Acta Derm Venereol (Stockh)** 1983;63(5):393–6

Effects of topically applied clobetasol–17–propionate on histamine release in human skin. Ståhle M, et al. **Acta Derm Venereol (Stockh)** 1984;64(3):239–42

Serum estriol level during treatment with betamethasone in the last trimester of human pregnancy. Kjer JJ, et al. **Acta Obstet Gynecol Scand** 1983;62(4):307–9

Potential hazards of topical steroid therapy [letter] Stoppoloni G, et al. **Am J Dis Child** 1983 Nov; 137(11):1130–1

Vitiligo treated with topical clobetasol propionate. Kumari J. **Arch Dermatol** 1984 May;120(5):631–5

The effect on adrenal axis function of topically applied betamethasone valerate ointment 0.1%. Fischer GO. **Australas J Dermatol** 1983 Apr;24(1):26–32

A double–blind comparison of quarter strength clobetasol propionate in Unguentum Merck with betamethasone valerate in psoriasis. Stankler L. **Br J Clin Pract** 1983 Nov–Dec;37(11–12):389–91

The effect on epidermal DNA synthesis of a combination of topical steroid with either dithranol or tar as used for psoriasis. Clement M, et al. **Br J Dermatol** 1983 Sep; 109(3):327–35

Clobetasol propionate for PUVA overdosage [letter] Hindson C, et al. **Br J Dermatol** 1984 May;110(5):633

Metabolic changes in the psoriatic lesion during therapy. van de Kerkhof PC, et al. **Br J Dermatol** 1984 Apr;110(4):411–5

Concern about the current clinical practice of diluting topical glucocorticosteroid preparations [letter] Clement M, et al. **Clin Exp Dermatol** 1984 May;9(3):323–4

Iatrogenic Cushing's syndrome—a cautionary tale. Lawlor F, et al. **Clin Exp Dermatol** 1984 May;9(3):286–9

Adrenal suppression with high–potency corticosteroid ointment formulations in normal subjects. Novak E, et al. **Clin Ther** 1983;6(1):59–71

Allergic contact dermatitis to Dermovate and Eumovate. Boyle J, et al. **Contact Dermatitis** 1984 Jul;11(1):50–1

Simultaneous hypersensitivity to clobetasone butyrate and clobetasol propionate. Chalmers RJ, et al. **Contact Dermatitis** 1983 Jul;9(4):317–8

Allergic contact dermatitis to topical corticosteroids: clobetasol propionate and clobetasone butyrate. Dooms–Goossens A, et al. **Contact Dermatitis** 1983 Nov; 9(6):470–8

Contact sensitivity to betamethasone 17–valerate and fluocinolone acetonide. Pasricha JS, et al. **Contact Dermatitis** 1983 Jul;9(4):330–1

Intermittent maintenance therapy in chronic hand eczema with clobetasol propionate and flupredniden acetate. Möller H, et al. **Curr Med Res Opin** 1983;8(9):640–4

Systemic side–effects of three topical steroids in diseased skin. Salde L, et al. **Curr Med Res Opin** 1983;8(7):475–80

Studies on the efficacy and adrenal effects of Diprolene ointment 0.05 percent and Dermovate ointment 0.05 percent in patients with psoriasis or other resistant dermatoses. Gip L, et al. **Cutis** 1984 Feb;33(2):215–7, 220–2, 224

Intermittent topical treatment of psoriasis with betamethasone dipropionate 0.05 percent cream. van Dijk E, et al. **Cutis** 1983 Sep;32(3):284–5, 287

Allergy to clobetasol–17–propionate (Dermovate). Bachmann–Buffle B. **Dermatologica** 1983;167(2):104

Anthralin for psoriasis: short–contact anthralin therapy compared with topical steroid and conventional anthralin. Lowe NJ, et al. **J Am Acad Dermatol** 1984 Jan;10(1):69–72

Beclomethasone dipropionate and betamethasone valerate with sodium cromoglycate in steroid–dependent asthma in children. Gupta SK, et al. **J Assoc Physicians India** 1984 Mar;32(3):245–9

Stability and blanching potential of corticosteroid ointments [letter] Kirsch, et al. **J Clin Hosp Pharm** 1984 Jun;9(2):143

Effects of betamethasone 17 valerate on the cyclic AMP system of the pig skin epidermis. Ishizawa H, et al. **J Dermatol (Tokyo)** 1983 Aug;10(4):321–5

Treatment of severe or resistant corticosteroid–responsive dermatoses with Diprolene cream. Cabrera ME. **J Int Med Res** 1984;12(3):163–9

Celestone phosphate injection high dose: treatment of septic shock and impending transplant rejection. Carreño CA. **J Int Med Res** 1984;12(4):266–70

A double–blind controlled evaluation of Diproderm cream 0.05%, twice a day treatment in comparison with once a day treatment in eczema. Gärtner L, et al. **J Int Med Res** 1984;12(1):59–61

Comparison of topical treatment with desoxymethasone solution 0.25% with salicylic acid 1% and betamethasone valerate solution 0.1% in patients with psoriasis of the scalp. Hillström L. **J Int Med Res** 1984;12(3):170–3

Diprolene cream in the treatment of severe or resistant corticosteroid–responsive dermatoses. Lodolo JC. **J Int Med Res** 1984;12(2):114–20

Optimization of bioavailability of topical steroids: penetration enhancers under occlusion. Barry BW, et al. **J Invest Dermatol** 1984 Jan;82(1):49–52

Jellyfish stings [letter] Osbourn RA. **South Med J** 1984 Mar; 77(3):406–7

[Therapy of erythrosquamous dermatoses. Betamethasone dipropionate plus salicylic acid in comparison with betamethasone dipropionate solution] Nolting S, et al. **Fortschr Med** 1983 Oct 6;101(37):1679–83 (Eng. Abstr.) **(Ger)**

[Therapy of eczema. Once daily use of diflorasone diacetate in comparison to thrice daily use of betamethasone–17–valerate] Harder F, et al. **Praxis** 1983 Sep 27;72(39):1240–2 (Eng. Abstr.) **(Ger)**

[Emovate in dermatological practice] Bigliardi P. **Ther Umsch** 1984 Jun;41(6):425–8 (Eng. Abstr.) **(Ger)**

[Results of a multicenter double–blind study in patients with resistant psoriasis and atopic dermatitis. Diprolene ointment vs. Dermovate ointment] Blum G, et al. **Ther Umsch** 1984 Jun;41(6):420–4 (Eng. Abstr.) **(Ger)**

[Comparative double–blind study of a 0.1% hydrocortisone–17–butyrate cream (Locoid) and a 0.1% betamethasone–17–valerate cream (Betnovate) in patients with noninfected eczema] von Fischer F. **Ther Umsch** 1984 Jun;41(6):429–32 (Eng. Abstr.) **(Ger)**

[Evaluation of the effect on the hypophysis–adrenal system of diflorasone diacetate in comparison to betamethasone 17–valerate in psoriasis patients] Albanese A, et al. **G Ital Dermatol Venereol** 1982 Sep–Oct;117(5):LV–LIX (Eng. Abstr.) **(Ita)**

[2 new liquid forms of clobetasol propionate in seborrheoic eczema] Carboni G, et al. **G Ital Dermatol Venereol** 1982 Jan–Feb;117(1):V–X (Eng. Abstr.) **(Ita)**

[Results of the use of diflorasone diacetate ointment in dermatology] Chiarenza A. **G Ital Dermatol Venereol** 1982 May–Jun;117(3):XIX–XXII (Eng. Abstr.) **(Ita)**

[Halometasone, a new topical corticosteroid, in dermatological practice] Cimitan a, et al. **G Ital Dermatol Venereol** 1984 Mar–Apr;119(2):V–VIII (Eng. Abstr.) **(Ita)**

[Comparative study of clobetasol dipropionate and betamethasone dipropionate] Rozzoni M, et al. **G Ital Dermatol Venereol** 1982 Sep–Oct;117(5):LXV–LXIX (Eng. Abstr.) **(Ita)**

[Clinical study on the therapeutic activity of a betamethasone dipropionate – iodochloroxyquinoline combination for topical use] Sartoris S, et al. **G Ital Dermatol Venereol** 1983 Nov–Dec;118(6):LI–LIV (Eng. Abstr.) **(Ita)**

[Difluorasone diacetate: a new topical corticosteroid] Zuccati G. **G Ital Dermatol Venereol** 1982 Sep–Oct; 117(5):LXI–LXIV (Eng. Abstr.) **(Ita)**

[Clinical studies on the effect of Diprophos in bronchial asthma] Krasnowska M, et al. **Pneumonol Pol** 1984 Jan; 52(1):27–31 (Eng. Abstr.) **(Pol)**

METABOLISM

Pharmacokinetic evaluation of a conventional and controlled release product of betamethasone. Loo JC, et al. **Biopharm Drug Dispos** 1984 Jan–Mar;5(1):97–100

Pharmacokinetics of betamethasone in healthy adults after intravenous administration. Petersen MC, et al. **Eur J Clin Pharmacol** 1983;25(5):643–50

Disposition of betamethasone in parturient women after intravenous administration. Petersen MC, et al. **Eur J Clin Pharmacol** 1983;25(6):803–10

Glucocorticoid–thyroid hormone interactions in fetal rat lung. Gross I, et al. **Pediatr Res** 1984 Feb;18(2):191–6

PHARMACODYNAMICS

Induced development of proximal tubular NaKATPase, basolateral cell membranes and fluid reabsorption. Aperia A, et al. **Acta Physiol Scand** 1984 Jun;121(2):133–41

The effect of glucocorticoid hormones on release of HBsAg from PLC/PRF/5 (Alexander) hepatoma cells. Marshall J, et al. **Acta Virol (Praha)** 1983 Sep;27(5):429–33

In vitro and ex vivo effects of different corticosteroids on polymorphonuclear leukocyte functions. Marcolongo R, et al. **Adv Exp Med Biol** 1984;171:321–33

Glucocorticoids increase pulmonary epidermal growth factor receptors in female and male fetal rabbit. Sadiq HF, et al. **Biochem Biophys Res Commun** 1984 Feb 29;119(1):408–14

Postnatal increase in airway surfactant in the premature rabbit exposed in utero to betamethasone. Ward JA, et al. **Dev Pharmacol Ther** 1983;6(6):388–403

Effects of betamethasone on the in vitro and in vivo 2–hydroxylation of biphenyl in the rat. Miller MS, et al. **Drug Metab Dispos** 1983 Nov–Dec;11(6):556–61

Glucocorticoid accelerates renal functional maturation in fetal lambs. Stonestreet BS, et al. **Early Hum Dev** 1983 Oct;8(3–4):331–41

Induction of lamellar body synthesis by corticosteroids in first–trimester human fetal lungs. Zsolnai B, et al. **Gynecol Obstet Invest** 1984;17(5):258–64

Levels of cyclic–AMP, cyclic–GMP and betamethasone in the aqueous humor following topical administration of betamethasone in rabbit eyes. Baba S, et al. **Hiroshima J Med Sci** 1983 Sep;32(3):301–4

The effects of betamethasone, low calcium and low phosphorus diets on growth in chicks. Blahos J, et al. **Horm Metab Res** 1983 Nov;15(11):554–7

Occipitofrontal circumference in newborns of betamethasone treated mothers. Verder H, et al. **J Perinat Med** 1983; 11(6):265–71

Influence of the major histocompatibility complex (H–2) on glucocorticoid–stimulated pulmonary surfactant synthesis in two congenic mouse strains. Honig LS, et al. **Proc Soc Exp Biol Med** 1984 Sep;176(4):419–25

[Induction of surfactant synthesis by corticosteroids in the human fetal lung] Zsolnai B, et al. **Morphol Igazsagugyi Orv Sz** 1983 Oct;23(4):263–9 (Eng. Abstr.) **(Hun)**

[Effects of subconjunctival injection of betamethasone on the regeneration of rabbit corneal endothelium] Sasamoto K, et al. **Nippon Ganka Gakkai Zasshi** 1984 Feb;88(2):313–8 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Comparison of drugs for prevention of respiratory distress syndrome [letter] Sekakini J Jr. **Am J Obstet Gynecol** 1984 Sep 1;150(1):110–1

A comparison of topical acyclovir with steroids in the treatment of herpes zoster keratouveitis. McGill J, et al. **Br J Ophthalmol** 1983 Nov;67(11):746–50

Long–term effects of betamethasone on blood pressure and hypothalamo–pituitary–adrenocortical function in spontaneously hypertensive and normotensive rats. Häusler A, et al. **Horm Res** 1983;18(4):191–7

The prevention of respiratory distress syndrome in premature infants: efficacy of antenatal aminophylline treatment versus prenatal glucocorticoid administration. Granati B, et al. **Pediatr Pharmacol (New York)** 1984;4(1):21–4

[Corticosteroid prevention of hyaline membrane disease] Tiufekchieva E, et al. **Akush Ginekol (Sofiia)** 1984; 23(3):225–33 (Eng. Abstr.) **(Bul)**

[Preventive treatment of respiratory distress syndrome in newborn infants with antepartal glucocorticoid administration (betamethasone). Clinical results and changes in the lecithin/sphingomyelin ratio of the amniotic fluid] Kühn W, et al. **Geburtshilfe Frauenheilkd** 1984 May; 44(5):315–21 (Eng. Abstr.) **(Ger)**

[Intra–articular therapy with superoxide dismutase (orgotein) or cortisone in rheumatoid and arthritic inflammatory finger joint lesions] Talke M. **Handchir Mikrochir Plast Chir** 1984 Mar;16(1):59–63 (Eng. Abstr.) **(Ger)**

[Glucocorticoid–induced acceleration of maturation, especially of the lung, in threatened respiratory distress syndrome of the premature infant] Pfannschmidt N, et al. **Med Welt** 1983 Dec 16;34(50):1432–6 **(Ger)**

[1st report: Alternatives to cortisone therapy. 1st clinical experiences with a carnitine–betamethasone combination for the stimulation of fetal lung maturity] Salzer H, et al. **Wien Klin Wochenschr** 1983 Oct 28;95(20):724–8 (Eng.

Abstr.) (Ger)
[Antepartum treatment with glucocorticoids for the prevention of respiratory distress syndrome in the premature child. 8 years' experience] Marri M, et al. **Minerva Ginecol** 1983 Dec;35(12):773–6 (Eng. Abstr.) (Ita)
[Corticoids in the treatment of Bell's palsy] Güth A, et al. **Cesk Neurol Neurochir** 1983 Nov;46(6):395–9 (Eng. Abstr.) (Slo)

BETAMETHASONE 17-VALERATE see under **BETAMETHASONE**

BETATRONS see **PARTICLE ACCELERATORS**

BETAZOLE see under **PYRAZOLES**

BETEL see **ARECA**

BETHANECHOL COMPOUNDS

ADMINISTRATION & DOSAGE

Malacoplakia of the bladder: a case report of resolution with bethanechol, trimethoprim–sulfamethoxazole and ascorbic acid. Stanton MJ, et al. **J Urol** 1983 Dec;130(6):1174–5

DIAGNOSTIC USE

[Bethanechol in urology] Penders L. **Acta Urol Belg** 1983; 51(3):304–18 (Eng. Abstr.) (Fre)
[The bethanechol test in the diagnosis of neurogenic bladder. 60 cases] Penders L. **J Urol (Paris)** 1983;89(5):309–15 (Eng. Abstr.) (Fre)

PHARMACODYNAMICS

An experimental model to perform dynamic studies of exocrine pancreatic secretion in mice. Calvo EL, et al. **Act Physiol Pharamacol Latinoam** 1984;34(1):9–13
Bethanechol prevents inhibition of gastric acid secretion by gastric inhibitory polypeptide. Soon-Shiong P, et al. **Am J Physiol** 1984 Aug;247(2 Pt 1):G171–5
Facilitation of ganglionic response to bethanechol by repetitive stimulation of the preganglionic nerve. McIsaac RJ, et al. **Arch Int Pharmacodyn Ther** 1984 Mar; 268(1):32–45
Rapid accumulation of inositol phosphates in isolated rat superior cervical sympathetic ganglia exposed to V1-vasopressin and muscarinic cholinergic stimuli. Bone EA, et al. **Biochem J** 1984 Aug 1;221(3):803–11
Repeated I. V. injections of calcium salts give rise to increased exocrine pancreatic cell sensitivity to caerulein and urecholine in the dog. Noël-Jorand MC, et al. **Biomed Pharmacother** 1983;37(3):129–35
Enhancement of desynchronized sleep signs after pontine microinjection of the muscarinic agonist bethanechol. Hobson JA, et al. **Brain Res** 1983 Sep 19;275(1):127–36
Influence of bethanechol on retained particles deposited on the first bifurcation of rabbits. Svartengren M, et al. **Bull Eur Physiopathol Respir** 1984 Mar-Apr;20(2):133–7
Effects of bethanechol, metoclopramide, and domperidone on antral contractions in cats and dogs. Mangel AW, et al. **Digestion** 1983;28(4):205–9
Relaxant effects of vasoactive intestinal peptide and bethanechol in cat intrapulmonary artery. Altiere RJ, et al. **Eur J Pharmacol** 1983 Sep 16;93(1–2):121–4
Modulation of rat pancreatic amylase secretion and muscarinic receptor populations by chronic bethanechol treatment. Larose L, et al. **Eur J Pharmacol** 1983 Nov 25; 95(3–4):215–23
Relative potencies of the stereoisomers of bethanechol on muscarinic receptor. De Micheli C, et al. **Farmaco [Sci]** 1983 Jul;38(7):514–20
Effect of met-enkephalin on acid secretion from gastric fistulas and Heidenhain pouches in dogs stimulated by pentagastrin, pentagastrin plus bethanechol, or a meal. Kostritsky-Pereira A, et al. **Int J Tissue React** 1984; 6(2):167–73
Activation of tyrosine hydroxylase in the superior cervical ganglion by nicotinic and muscarinic agonists. Horwitz J, et al. **J Neurochem** 1984 Aug;43(2):546–52
Augmentation of bethanechol-stimulated gastric secretion by lowering body temperature in water-immersed rats. Yano S, et al. **J Pharmacobiodyn** 1983 Nov;6(11):797–802
Effects of the sympathetic nervous system on bethanechol-induced elevation of gastric acid secretion and mucosal blood flow in rats. Yokotani K, et al. **J Pharmacol Exp Ther** 1983 Nov;227(2):478–83
Urethral response during bladder contraction induced by subcutaneous bethanechol chloride: elicitation of a sympathetic reflex urethral constriction. Sogbein SK, et al. **J Urol** 1984 Apr;131(4):791–5
Control of gastroduodenal coordination: dopaminergic and cholinergic pathways. Schuurkes JA, et al. **Scand J Gastroenterol [Suppl]** 1984;92:8–12

THERAPEUTIC USE

Intracellular Escherichia coli in urinary malakoplakia: a reservoir of infection and its therapeutic implications. Qualman SJ, et al. **Am J Clin Pathol** 1984 Jan;81(1):35–42
Hypogammaglobulinemia and malakoplakia—effect of Bethanechol. Soothill JF, et al. **Birth Defects** 1983; 19(3):329–30
Bethanechol treatment of gastroesophageal reflux in infants: effect on continuous esophageal pH records. Sondheimer JM, et al. **J Pediatr** 1984 Jan;104(1):128–31
Hypomotility of the stomach following gastric pull up. McGonagle ME, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1984 Spring; 37(1):82–5

BETHANIDINE see under **GUANIDINES**

BEVERAGES

Antepartum fetal heart rate testing. XI. Stimulation with orange juice. Eglinton GS, et al. **Am J Obstet Gynecol** 1984 Sep 1;150(1):97–9
Dekkera anomala sp. nov., the teleomorph of Brettanomyces anomalus, recovered from spoiled soft drinks. Smith MT, et al. **Antonie Van Leeuwenhoek** 1984;50(2):143–8
Respiratory function in tea workers. Zuškin E, et al. **Br J Ind Med** 1984 Feb;41(1):88–93
Ocular injuries from carbonated soft drink bottle explosions. Al Salem M, et al. **Br J Ophthalmol** 1984 Apr;68(4):281–3
The carbohydrate maintenance properties of an experimental sports drink. White JA, et al. **Br J Sports Med** 1984 Jun; 18(2):64–9
Citrus fruits. Part II. Chemistry, technology, and quality evaluation. B. Technology. Ranganna S, et al. **CRC Crit Rev Food Sci Nutr** 1983;19(1):1–98 (649 ref.)
Low residual diet and hydration improving double contrast examination of the colon. Virkki R, et al. **Eur J Radiol** 1983 Aug;3(3):212–4
Duodenal pH in health and duodenal ulcer disease: effect of a meal, Coca-Cola, smoking, and cimetidine. McCloy RF, et al. **Gut** 1984 Apr;25(4):386–92
Effect of orange juice, folic acid, and oral contraceptives on serum folate in women taking a folate-restricted diet. Rhode BM, et al. **J Am Coll Nutr** 1983;2(3):221–30
Taste responses to saltiness of experimentally prepared tomato juice samples. Little AC, et al. **J Am Diet Assoc** 1984 Sep;84(9):1022–7
Pharyngoesophageal barotrauma in children: a report of six cases. Conlan AA, et al. **J Thorac Cardiovasc Surg** 1984 Sep;88(3):452–3
Inhibition of bacterial adherence by cranberry juice: potential use for the treatment of urinary tract infections. Sobota AE. **J Urol** 1984 May;131(5):1013–6
Beverage intake by children and adolescents: variation factors. Chavance M, et al. **World Rev Nutr Diet** 1982; 40:66–82

ADVERSE EFFECTS

The cariogenicity of soft drinks in the United States. Ismail AI, et al. **J Am Dent Assoc** 1984 Aug;109(2):241–5
Herbal teas and water intoxication in a young child. Lipsitz DJ. **J Fam Pract** 1984 Jun;18(6):933, 936–7
Severe hypokalaemia secondary to overindulgence in alcohol-free 'pastis' [letter] Haberer JP, et al. **Lancet** 1984 Mar 10;1(8376):575–6
[Danger of excessive Lucozade (letter)] Loock EJ. **S Afr Med J** 1984 May 26;65(21):833 (Afr)
[Major hypokalemia with rhabdomyolysis secondary to the intake of a nonalcoholic aniseed aperitif] Piette AM, et al. **Ann Med Interne (Paris)** 1984;135(4):296–8 (Eng. Abstr.) (Fre)
[Hypokalemic paralysis after prolonged absorption of a non-alcoholic pastis in a diabetic] de Rohan Chabot P, et al. **Rev Neurol (Paris)** 1984;140(3):207–11 (Eng. Abstr.) (Fre)
[Animal experiment studies and oral plaque pH measurements on the cariogenicity of invert sugar in drinks] Jahnke A, et al. **Zahn Mund Kieferheilkd** 1983;71(7):682–7 (Eng. Abstr.) (Ger)

ANALYSIS

Simultaneous determination of lead and tin in fruit juices and soft drinks by potentiometric stripping analysis. Mannino S. **Analyst** 1983 Oct;108(1291):1257–60
Rapid spectrophotometric determination of saccharin in soft drinks and pharmaceuticals using Azure B as reagent. Ramappa PG, et al. **Analyst** 1983 Aug;108(1289):966–70
Sugar content, acidity and effect on plaque pH of fruit juices, fruit drinks, carbonated beverages and sport drinks. Birkhed D. **Caries Res** 1984;18(2):120–7
Citrus fruits—varieties, chemistry, technology, and quality evaluation. Part II. Chemistry, technology, and quality evaluation. A. Chemistry. Ranganna S, et al. **CRC Crit Rev Food Sci Nutr** 1983;18(4):313–86 (649 ref.)
II.4.d A rapid method for the determination of volatile N-nitrosamines in liquid and dried foods. Havery DC, et al. **IARC Sci Publ** 1983;45:219–28
A versatile method for the determination of volatile nitrosamines in foods, beverages and animal feed. Sen NP. **IARC Sci Publ** 1983;45:170–2
II.3.d Volatile N-nitrosamines in beer and other beverages by direct extraction using a kieselguhr column. Spiegelhalder B, et al. **IARC Sci Publ** 1983;45:135–42
Liquid chromatographic determination of aspartame in dry beverage bases and sweetener tablets with confirmation by thin layer chromatography. Daniels DH, et al. **J Assoc Off Anal Chem** 1984 May-Jun;67(3):513–5
Acid methanolysis and gas chromatographic determination of brominated vegetable oils in soft drinks. Lawrence JF, et al. **J Assoc Off Anal Chem** 1983 Nov;66(6):1385–9
Composition of apple juice. Mattick LR, et al. **J Assoc Off Anal Chem** 1983 Sep;66(5):1251–5
Liquid chromatographic determination of sodium saccharin, caffeine, aspartame, and sodium benzoate in cola beverages. Tyler TA. **J Assoc Off Anal Chem** 1984 Jul-Aug; 67(4):745–7
Reverse phase liquid chromatographic determination of aspartame in beverages and beverage mixes. Webb NG, et al. **J Assoc Off Anal Chem** 1984 May-Jun;67(3):510–3
[Method of determination of trace amounts of mercury in non-alcoholic carbonated beverages] Masłowska J, et al. **Rocz Panstw Zakl Hig** 1983;34(4):377–80 (Eng. Abstr.) (Pol)
[Determination of patulin in apple juice by the method of gas chromatography using the electron capture detector] Skierska D, et al. **Rocz Panstw Zakl Hig** 1984;35(1):69–75 (Eng. Abstr.) (Pol)

HISTORY

Joseph Priestley's soda water. Campbell WA. **Endeavour** 1983;7(3):141–3

POISONING

[Pseudo-Conn's syndrome due to intoxication with nonalcoholic pastis] Trono D, et al. **Schweiz Med Wochenschr** 1983 Aug 9;113(31–32):1092–5 (Eng. Abstr.) (Fre)

BEZAFIBRATE

ADMINISTRATION & DOSAGE

[Effect of 1 month's treatment with Bezalip on the serum lipids and lipoproteins of patients with different types of hyperlipoproteinemias] Kiriakov A, et al. **Vutr Boles** 1983; 22(3):74–81 (Eng. Abstr.) (Bul)

ADVERSE EFFECTS

Predominance of lactate dehydrogenase isoenzyme 1 in a patient with bezafibrate-induced rhabdomyolysis [letter] Haubenstock A, et al. **Clin Chem** 1984 Sep;30(9):1587–8
Effect of short-term treatment with bezafibrate and fenofibrate on biliary lipid metabolism in patients with hyperlipoproteinaemia. von Bergmann K, et al. **Eur J Clin Invest** 1984 Apr;14(2):150–4
[Bezafibrate-induced rhabdomyolysis in a patient with impaired kidney function (letter)] Haubenstock A, et al. **Dtsch Med Wochenschr** 1984 Jan 27;109(4):157–8 (Ger)
[Bezafibrate-induced myolysis and myoglobinuria in patients with impaired renal function] Rumpf KW, et al. **Klin Wochenschr** 1984 Apr 16;62(8):346–8 (Eng. Abstr.) (Ger)

METABOLISM

[Interaction of guar with glibenclamide and bezafibrate] Neugebauer G, et al. **Beitr Infusionther Klinis Ernahr** 1983; 12:40–7 (Ger)

PHARMACODYNAMICS

Some comparative effects of gemfibrozil, clofibrate, bezafibrate, cholestyramine and compactin on sterol metabolism in rats. Maxwell RE, et al. **Atherosclerosis** 1983 Sep;48(3):195–203
Analysis of the effect of bezafibrate on the oxygen dissociation curve of human hemoglobin. Wootton R. **FEBS Lett** 1984 Jun 11;171(2):187–91
Bezafibrate lowers oxygen affinity of haemoglobin. Perutz MF, et al. **Lancet** 1983 Oct 15;2(8355):881–2

THERAPEUTIC USE

Changes in the concentration and composition of lipids and lipoproteins in primary hyperlipoproteinemia during treatment with bezafibrate. Hutt V, et al. **Arzneimittelforsch** 1983;33(8):1185–90
Double-blind cross-over study of the effect of sultosilic acid piperazine salt (A-585) and bezafibrate in primary hyperlipoproteinemia. Vinazzer H, et al. **Atherosclerosis** 1983 Nov;49(2):109–18
Bezafibrate. **Drug Ther Bull** 1983 Sep 23;21(19):75–6
Abnormalities in very low, low and high density lipoproteins in hypertriglyceridemia. Reversal toward normal with bezafibrate treatment. Eisenberg S, et al. **J Clin Invest** 1984 Aug;74(2):470–82
[Effect of the combined administration of guar–bezafibrate on lipid, apolipoprotein and lipoprotein in patients with primary hyperlipoproteinemia type II] Wirth A, et al. **Beitr Infusionther Klinis Ernahr** 1983;12:99–108 (Ger)
[Effect of bezafibrate on serum lipid, lipoprotein and apoprotein B levels in patients with type II and IV hyperlipoproteinemia] Sznajderman M. **Pol Arch Med Wewn** 1983 Nov-Dec;70(5–6):259–69 (Eng. Abstr.) (Pol)
[Effectiveness of bezafibrate in ambulatory treatment of hyperlipidemia] Bartnikowska E, et al. **Pol Tyg Lek** 1983 Sep 26;38(39):1219–21 (Eng. Abstr.) (Pol)
[Effect of bezafibrate on disorders of lipid metabolism] Stryjek-Kamińska D, et al. **Pol Tyg Lek** 1983 Dec 12;

38(50):1567–71 (Eng. Abstr.) (Pol)

BEZOARS

Ginger and drug bezoar induced small bowel obstruction. Liu PH, et al. **J R Coll Surg Edinb** 1983 Nov;28(6):397–8

[Intestinal occlusion caused by phytobezoars. Presentation of 2 clinical cases] Vitali V, et al. **Minerva Chir** 1984 Apr 15;39(7):539–41 (Eng. Abstr.) (Ita)

CHEMICALLY INDUCED

[Shellac bezoar of the stomach] Janica J. **Wiad Lek** 1983 May 15;36(10):881–3 (Eng. Abstr.) (Pol)

COMPLICATIONS

'Giant colonic bezoar:' a medication bezoar due to psyllium seed husks. Agha FP, et al. **Am J Gastroenterol** 1984 Apr; 79(4):319–21

Intestinal obstruction due to bezoars. Goldstein SS, et al. **Am J Gastroenterol** 1984 Apr;79(4):313–8

Prolonged bromide intoxication resulting from a gastric bezoar. Iberti TJ, et al. **Arch Intern Med** 1984 Feb; 144(2):402–3

Bezoars and bowel obstruction [letter] Garrigues V, et al. **Gastroenterology** 1983 Dec;85(6):1453–5

Trichobezoar—an unusual cause of acute appendicitis. Attard GJ. **J R Army Med Corps** 1983 Jun;129(2):117

Acute appendicitis associated with a trichobezoar [letter] Kochar AS. **JAMA** 1984 Oct 5;252(13):1681–2

Ménétrièr's disease and trichobezoar of stomach—an unusual association. Chakrabarti AK, et al. **Postgrad Med J** 1983 Jul;59(693):464–6

[A rare cause of gastric perforation: phytobezoar (letter)] Veyrac M, et al. **Gastroenterol Clin Biol** 1984 Jun–Jul; 8(6–7):580–1 (Fre)

[Bezoar with real and simulated complications] Vonesch HJ, et al. **Dtsch Med Wochenschr** 1984 Mar 16;109(11):426–9 (Eng. Abstr.) (Ger)

[Intestinal obstruction in the late period after vagotomy due to gastric bezoars] Shevchenko BF, et al. **Klin Khir** 1983 Oct;(10):61–2 (Rus)

[Complication of stomach phytobezoars] Miagkov II, et al. **Vrach Delo** 1983 Jun;(6):86–8 (Rus)

[Intestinal perforation by a phytobezoar after vagectomy and pyloroplasty] Alvarez Ruiz de Viñaspre D, et al. **Rev Esp Enferm Apar Dig** 1983 Oct;64(4):324–9 (Spa)

DIAGNOSIS

Trichobezoar: two case reports—a new physical sign. Lamerton AJ. **Am J Gastroenterol** 1984 May;79(5):354–6

A gastric bezoar causing a target lesion as revealed by ultrasound. Goff WB 2d, et al. **J Ultrasound Med** 1984 Jun;3(6):275–6

'Colonic crunch' sign in sunflower-seed bezoar [letter] Melchreit R, et al. **N Engl J Med** 1984 Jun 28; 310(26):1748–9

ETIOLOGY

Nonpersimmon gastric phytobezoar. A benign recurrent condition. Zarling EJ, et al. **Arch Intern Med** 1984 May; 144(5):959–61

Amphojeloma: antacid impaction in a critically ill patient. Girotti MJ, et al. **Can J Surg** 1984 Jul;27(4):379–80, 382

Postoperative bezoars (persimmon and others): further considerations [letter] Delpre G, et al. **Gastroenterology** 1983 Dec;85(6):1456

Postoperative phytobezoars [letter] Lee SP. **Gastroenterology** 1983 Dec;85(6):1456–7

Sucralfate bezoar [letter] Algozzine GJ, et al. **N Engl J Med** 1983 Dec 1;309(22):1387

[Bezoar of the small intestine as a complication of esophageal dilatation] Welter H, et al. **Zentralbl Chir** 1984; 109(12):819–20 (Ger)

[Trichophagia, trichobezoar, intestinal invagination and iron deficiency] González Espinosa C, et al. **An Esp Pediatr** 1983 Oct;19(4):337–8 (Spa)

OCCURRENCE

An epidemic of persimmon bezoars in Israel. Granot E, et al. **Isr J Med Sci** 1984 Feb;20(2):167–9

PREVENTION & CONTROL

Metoclopramide in the treatment of gastric bezoars [letter] Delpre G, et al. **Am J Gastroenterol** 1984 Sep;79(9):739–40

RADIOGRAPHY

[Principal symptom: feeling of fullness] Brambs HJ, et al. **Radiologe** 1984 May;24(5):247–8 (Ger)

[Bezoars of the stomach in children] Sawicz-Birkowska K, et al. **Pediatr Pol** 1984 Apr;59(4):327–30 (Pol)

[Case of trichobezoar of the stomach] Grzegorzewski M, et al. **Pol Przegl Radiol (Warszawa)** 1983 May–Jun;47(3):223–5 (Eng. Abstr.) (Pol)

[A case of trichobezoar of the stomach] Akmirzoeva MB. **Vestn Rentgenol Radiol** 1984 Mar–Apr;(2):74–5 (Rus)

THERAPY

Gastric bezoars: treatment and prevention. Rider JA, et al. **Am J Gastroenterol** 1984 May;79(5):357–9

New therapeutic approach in postoperative phytobezoars. Delpre G, et al. **J Clin Gastroenterol** 1984 Jun;6(3):231–7

[Treatment of phytobezoars: a new method (letter)] Delpré G, et al. **Gastroenterol Clin Biol** 1984 Mar;8(3):290 (Fre)

VETERINARY

Medical and surgical management of gastric obstruction from a hairball in the rabbit. Gillett NA, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1176–8

Experimental and naturally-occurring gastric foreign bodies in laboratory rabbits. Leary SL, et al. **Lab Anim Sci** 1984 Feb;34(1):58–61

Trichophytobezoars in a neonatal calf. Kumar A, et al. **Mod Vet Pract** 1982 May;63(5):382

BIANILINES see **BENZIDINES**

BIBLE

Scientific and medical terms and references in the writings of St. Luke. Dirckx JH. **Am J Dermatopathol** 1983 Oct; 5(5):491–9

An exemplary instance of faulty scholarship. Unna PG. **Am J Dermatopathol** 1983 Dec;5(6):569–75

Bulimia in the Talmud [letter] Kaplan AS, et al. **Am J Psychiatry** 1984 May;141(5):721

David, Goliath, et al. [letter] **N Engl J Med** 1984 Mar 22; 310(12):790

Disabled people in the Bible. Kokaska CJ, et al. **Rehabil Lit** 1984 Jan–Feb;45(1–2):20–1

[Depression and faith in Job] Bron B. **Schweiz Arch Neurol Neurochir Psychiatr** 1983; 133(1):159–74 (Eng. Abstr.) (Ger)

[Scientific pathology in the books of Talmud] Steinberg A. **Harefuah** 1983 Mar 1;104(5):201–2 (Heb)

[Talmudic traditions in Hungarian] Egri B. **Orv Hetil** 1984 May 27;125(22):1333–5 (Hun)

BIBLIOGRAPHY

see related

DOCUMENTATION

Twin research abstracts 2. **Acta Genet Med Gemellol (Roma)** 1983;32(1):53–88

Cumulative index Vol. 1–30, 1951–1980. **Acta Pathol Jpn** 1951–80;1–30:1–200

John Kenyon Netherton Jones (1912–1977). Szarek WA, et al. **Adv Carbohydr Chem Biochem** 1983;41:1–26

A bibliography of the complications of BCG vaccination. A comprehensive list of the world literature since the introduction of BCG up to July 1982, supplemented by over 100 personal communications. Lotte A, et al. **Adv Tuberc Res** 1984;21:194–245

Guide to materials for use in teaching clinical nutrition in schools of medicine, dentistry, and public health. Read MS. **Am J Clin Nutr** 1983 Nov;38(5):775–94

Computer literature for nurses. Slichter MJ. **Am J Nurs** 1984 Apr;84(4):519–20

American Journal of Physiology author and subject index to volumes 230–243 (1976–1982). **Am J Physiol** 1983 Nov; 245(5 Pt 2):1–270

American College of Physicians Ethics Manual. Part II: Research, other ethical issues. Recommended reading. Ad Hoc Committee on Medical Ethics, American College Of Physicians. **Ann Intern Med** 1984 Aug;101(2):263–74

Perioperative nursing: a bibliography. Hunter T. **AORN J** 1984 Aug;40(2):204–5

The alaryngeal speaker: an annotated bibliography 1970–1982. Crowe TA, et al. **ASHA** 1984 Apr;26(4):67–74

The U.S. Flight Nurse: a supplementary bibliography. Skinner RE. **Aviat Space Environ Med** 1983 Aug; 54(8):735–7

1983 index issue. Cumulative indexes for Volumes 110–117. **Biochem Biophys Res Commun** 1983;110–117:v–lxvi, 1–150

Cumulative subject index issue. Index for volumes 74–103, 1977–1981. **Biochem Biophys Res Commun** 1977–81; 74–103:1–298

Bibliography of the scientific works of Dr. Ramón M. Suárez. **Bol Asoc Med PR** 1983 Nov;75(11):521–5 (Eng, Spa)

Midazolam bibliography. **Br J Clin Pharmacol** 1983;16 Suppl 1:191S–199S

Hypnosis. Snaith P. **Br J Psychiatry** 1984 Jun;144:665–6

Bulletin of the History of Medicine. Index to volumes and supplements 1933–1982. Waserman M, et al. **Bull Hist Med** 1983;Spec No:1–195

Socioeconomic resources in medicine: review of the literature. Austin T. **Bull Med Libr Assoc** 1984 Jul; 72(3):251–6

A review of psychiatric literature for residency training programs, 1980s. Malmquist C, et al. **Bull Med Libr Assoc** 1984 Jul;72(3):287–94

Lewis Thomas. **Cell Immunol** 1983 Nov;82(1):3–17

Bibliography of books on child sexual abuse. Mrazek PJ. **Child Abuse Negl** 1983;7(2):247–9

Bibliography of Keiji Sano, M.D., D.M.Sc.,F.A.C.S, (Hon.). **Clin Neurosurg** 1983;30:xix–lxiii

Perusing the literature. Hawkins BS. **Controlled Clin Trials** 1984 Mar;5(1):85–93

Bibliography of developmental medicine and child neurology: selected books and articles received in 1983. **Dev Med Child Neurol [Suppl]** 1984 Apr;48:1–143

Therapeutic bibliography of critical care. Elenbaas RM, et al. **Drug Intell Clin Pharm** 1983 Oct;17(10):722–5

General references on studies of environmental tobacco smoke (ETS). **Eur J Respir Dis [Suppl]** 1984;133:147–52

Experimental Brain Research: Combined author and title index, volume 1–50 (1965–1983). **Exp Brain Res** 1984; 53(3):487–562

The remarried family: an annotated bibliography, 1979–1982. Bergquist B. **Fam Process** 1984 Mar;23(1):107–19

Index of biochemical reviews 1982. Arnstein RE, et al. **FEBS Lett** 1983 Dec;164 Suppl:1–121 (0 ref.)

Cumulative index 1979–1983, Volume 76 through Volume 85. **Gastroenterology** 1984 Jun;86(6 Suppl):1–186

The Spanish-speaking elderly: a bibliography. Delgado M, et al. **Gerontologist** 1978 Aug;18(4):387–94

AIDS: a research and clinical bibliography. **Hematol Oncol** 1984 Jan–Mar;2(1):77–134

International Hemoglobin Information Center. Policies – IHIC. **Hemoglobin** 1983;7(4):331–406

Literature review—RVF (and ancillary equipments). Dongre VD. **Hindustan Antibiot Bull** 1984 Feb–May;26(1–2):56–65

Antibiotics literature index-a select bibliography. Purandare GM, et al. **Hindustan Antibiot Bull** 1983 Aug–Nov; 25(3–4):135–49

A professional's guide to books for families of the mentally ill. Woesner ME. **Hosp Community Psychiatry** 1983 Oct; 34(10):925–33

Recommended reading. Health care leaders give their picks for best books of 1983. Gallivan M. **Hospitals** 1983 Dec 16;57(24):95–8

A list of cloned human DNA sequences—supplement. Schmidtke J, et al. **Hum Genet** 1984;67(1):111–4

Aerosol–bibliography 1980–1983. Gottschalk B. **Int J Biometeorol** 1984 Jul;28(3):235–55

One hundred eighth critical bibliography of the history of science and its cultural influences. **Isis** 1983;74(275):1–215

One hundred seventh critical bibliography of the history of science and its cultural influences (to January 1982). Neu J. **Isis** 1982;73(270):1–198

References to contemporary papers on acoustics. **J Acoust Soc Am** 1984 Summer;75 Suppl 2:R1–461

Articles selected from the nondermatologic literature of interest to dermatologists. Thiers BH. **J Am Acad Dermatol** 1984 Jan;10(1):89–95

Geriatrics: a selected up-to-date bibliography. Rosenthal M. **J Am Geriatr Soc** 1984 Jan;32(1):64–79

Annotated bibliography on nephrology, hypertension, fluid and electrolyte disorders. Slick GL. **J Am Osteopath Assoc** 1984 Feb;83(6):450–55

Annotated bibliography of endoscopy. Katzenberg B. **J Biol Photogr** 1984 Apr;52(2):25–6

Key references in biomaterials: bone/biomaterial interface in orthopedic joint implants. Gruen TA, et al. **J Biomed Mater Res** 1984 May–Jun;18(5):577–99

Journal of Chromatography. Bibliography section. **J Chromatogr** 1984 Feb 24;304(2):B109–228

Journal of Chromatography. Bibliography section. **J Chromatogr** 1984 May 21;304(3):B229–366

The Journal of Chromatography: Cumulative author and subject indexes, volumes 101–150 (1974–1978). **J Chromatogr** 1984 Jun 15;293:1–376

The Journal of Chromatography: the first quarter century. Cumulative author and subject indexes, volumes 151–250 (1978–1982). **J Chromatogr** 1983 Jun 27;263:1–780

Bibliography of current literature in cyclic nucleotide research. Publications screened by the Institute for Scientific Information. **J Cyclic Nucleotide Protein Phosphor Res** 1983;9(2):165–79

Bibliography of current literature in cyclic nucleotide research. Publications screened by the Institute for Scientific Information. **J Cyclic Nucleotide Protein Phosphor Res** 1983;9(1):79–100

Bibliography of current literature in cyclic nucleotide research. Publications screened by the Institute for Scientific Information. Butcher RW. **J Cyclic Nucleotide Protein Phosphor Res** 1983;9(3):259–79

A bibliography of doctoral dissertations on aging from American institutions of higher learning, 1981–1983. Mueller JE, et al. **J Gerontol** 1984 Sep;39(5):631–40

A census of copies of the first edition of Andreas Vesalius' De humani corporis fabrica (1543), with a note on the recently discovered variant issue. Horowitz M, et al. **J Hist Med Allied Sci** 1984 Apr;39(2):198–221

Bibliography of the works of Erwin W. Straus. **J Med Philos** 1984 Feb;9(1):113–20

Cumulative index to the first 10 years of the Journal of Otolaryngology (originally Canadian Journal of Otolaryngology). **J Otolaryngol** 1983 Dec;Spec No:1–66

Children's literature in the school health education program. Manna AL. **J Sch Health** 1984 Jan;54(1):24–6

Frequently cited sources in human sexology. Thompson AP, et al. **J Sex Marital Ther** 1984 Spring;10(1):63–70

Applications of the AMP/AMDP-System to drug trials. **Mod Probl Pharmacopsychiatry** 1983;20:204–10

Plagiarism accusations at Stanford [news] Blakeslee S. **Nature** 1984 Apr 5–11;308(5959):489

20-year cumulative index 1961–1981. **Nurs Forum** 1981; 20(4):331–510

Reference sources for nursing. **Nurs Outlook** 1984 Sep–Oct; 32(5):273–7

Selected list of nursing books and journals. Brandon AN, et al. **Nurs Outlook** 1984 Mar–Apr;32(2):92–101

Instrument and book supplement 1983. **Ophthalmology (Rochester)** 1983 Sep;Suppl:1–253

Motoric change subsequent to therapeutic intervention in infants and young children who have cerebral palsy: annotated listing of group studies. Hourcade JJ, et al. **Percept Mot Skills** 1984 Apr;58(2):519–24

A comprehensive bibliography of literature pertaining to multiple personality. Boor M, et al. **Psychol Rep** 1983 Aug; 53(1):295–310

Use of quality circles in hospitals: a selected bibliography. **QRB** 1983 Dec;9(12):373–5

Dying and death, with special reference to brain death. A bibliography. Blair–St. Giles BA, et al. **Resuscitation** 1983 Aug;10(4):235–51

Bibliography of scanning electron microscopy application in Forensic Medicine. Böhm E, et al. **Scan Electron Microsc** 1983;(Pt 1):305–9

Bibliography and abstracts on schizophrenia. **Schizophr Bull** 1984;10(3):472–504

Bibliography of recent literature in sleep research. Citations retrieved by brain information service. **Sleep** 1983; 6(3):294–302

Bibliography. Publications (in English) of Sir Austin Bradford Hill. **Stat Med** 1982 Oct–Dec;1(4):369–75

Annotated bibliography: cystoid macular edema. **Surv Ophthalmol** 1984 May;28 Suppl:577–619

1982 bibliographic index: poisons, toxins and venoms of natural origin. **Toxicon** 1984;22(4):491–624

Bibliography of biomedical ultrasound from 1 January 1971. No. 39. Carson J, et al. **Ultrasound Med Biol** 1983 Nov–Dec;9(6):667–91

Bibliography of biomedical ultrasound. Carson J, et al. **Ultrasound Med Biol** 1983 Sep–Oct;9(5):519–64

Bibliography of biomedical ultrasound. No. 42. Carson J, et al. **Ultrasound Med Biol** 1984 May–Jun;10(3):389–404

FDA poison control notes. Citations from the recent literature. Cohen BI, et al. **Vet Hum Toxicol** 1984 Apr; 26(2):179–82

Introduction to biostatistics. An annotated bibliography for medical researchers. Sacks ST, et al. **West J Med** 1983 Nov;139(5):723–9

The contribution of Soviet gerontology to the activity of the international organizations concerning the problems of medical and social care of the elderly. Chebotarev DF. **ZFA** 1983 Jul–Aug;38(4):289–93

[Czechoslovak literature in gynecology–obstetrics in 1980 published in journals other than Československá Gynekologie] Rauscher V. **Cesk Gynekol** 1984 May; 49(4):290–314 **(Cze)**

[Literature surveys—a steppe or a diversified landscape?] Riis P. **Nord Med** 1984;99(4):122–3 (Eng. Abstr.) **(Dan)**

[The effect of first authorship on the results of citation counting] Moed HF, et al. **Ned Tijdschr Geneeskd** 1984 Jul 7;128(27):1290–3 **(Dut)**

[First ranking or last is best?] Rigter H. **Ned Tijdschr Geneeskd** 1984 Jul 7;128(27):1286–8 **(Dut)**

[Acta Belgica Chirurgica Index for the years 1961–1981] **Acta Chir Belg** 1982;81:1–202 **(Fre)**

[Ophthalmoplegia plus. General bibliography] **Rev Otoneuroophtalmol** 1984 Mar–Apr;56(2):167–78 **(Fre)**

[Ketoprofen. Bibliography] **Sem Hop Paris** 1983 Dec 12; 59(46):3261–4 **(Fre)**

[W.R. Hess and the principle of order in physiology] Jung R. **Schweiz Arch Neurol Neurochir Psychiatr** 1983; 132(2):277–308 (Eng. Abstr.) **(Ger)**

[Jakob Schoenmackers (26 May 1912 – 22 November 1982)] **Verh Dtsch Ges Pathol** 1983;67:778–85 **(Ger)**

[Hans–Jürgen Mohr (1 November 1922 – 7 June 1982)] **Verh Dtsch Ges Pathol** 1983;67:762–71 **(Ger)**

[Willi Busanny–Caspari (8 April 1922 – 7 July 1982)] **Verh Dtsch Ges Pathol** 1983;67:772–3 **(Ger)**

[Renal pathology. References and reflections] Giampalmo A. **Pathologica** 1983 Sep–Oct;75(1039):607–18 **(Ita)**

[Contents of preceding issues of Przeglad Lekarski (Medical Review) devoted to medical problems during the Nazi occupation] **Przegl Lek** 1984;41(1):178–202 **(Pol)**

[Polish psychiatric literature 1982] Karyś W, et al. **Psychiatr Pol** 1983 Sep–Dec;17(5–6):457–80 **(Pol)**

[Literature on obstetrics and gynecology in the leading abstract–bibliographic publications] Alipov VI, et al. **Akush Ginekol (Mosk)** 1983 Sep;(9):71–2 (0 ref.) **(Rus)**

[Elizaveta Nikolaevna Oleneva (on her 60th birthday)] **Arkh Anat Gistol Embriol** 1984 Mar;86(3):107–9 **(Rus)**

BIBLIOGRAPHY OF MEDICINE

The role of annotated bibliographies in information dissemination. Lipsett LF, et al. **Bull Med Libr Assoc** 1984 Apr;72(2):180–6

Some references on health, Sri Lanka, 1981–82. Pieris K. **Ceylon Med J** 1982 Dec;27(4):192–201

One hundred eighth critical bibliography of the history of science and its cultural influences. **Isis** 1983;74(275):1–215

One hundred seventh critical bibliography of the history of science and its cultural influences (to January 1982). Neu J. **Isis** 1982;73(270):1–198

[Stanislaw Konopka (1896–1982), medical historian, librarian and bibliographer, creator of Polish medical bibliography] Bojczuk H. **Arch Hist Med (Warsz)** 1983;46(4):439–51 **(Pol)**

['Bibliographies' of Stanislaw Konopka] Rożniatowski T. **Arch Hist Med (Warsz)** 1983;46(4):465–70 **(Pol)**

BIBLIOTHERAPY

Bibliotherapy within a correctional setting. Kohutek KJ. **J Clin Psychol** 1983 Nov;39(6):920–4

Bibliotherapy: an adjunct to care of patients with problems of living. Anstett RE, et al. **J Fam Pract** 1983 Nov; 17(5):845–53

Bibliotherapy for hospitalized children. Fosson A, et al. **South Med J** 1984 Mar;77(3):342–6

[Reading interests in psychiatric outpatients] Holek K. **Cesk Psychiatr** 1983 Dec;79(6):396–400 (Eng. Abstr.) **(Cze)**

BICARBONATES

The relative importance of alkalinity, temperature, and the washout effect of bicarbonate–buffered, multidose cardioplegic solution. Lange R, et al. **Circulation** 1984 Sep; 70(3 Pt 2):I75–83

High–density–lipoprotein cholesterol in heparin–MnCl2 supernates determined with the Dow enzymic method after precipitation of Mn2+ with HCO3–. Bachorik PS, et al. **Clin Chem** 1984 Jun;30(6):839–42

Peritoneal dialysis using bicarbonate–buffered dialysate [letter] Ing TS, et al. **Int J Artif Organs** 1984 May;7(3):166

Preparation of bicarbonate–containing dialysate for peritoneal dialysis [letter] Ing TS, et al. **Int J Artif Organs** 1983 Jul;6(4):217–8

High sodium bicarbonate and acetate hemodialysis: double–blind crossover comparison of hemodynamic and ventilatory effects. Henrich WL, et al. **Kidney Int** 1983 Aug;24(2):240–5

[Clinical application of bicarbonate dialysis] Yu HY. **Chung Hua Wai Ko Tsa Chih** 1984 Feb;22(2):105–6 (Eng. Abstr.) **(Chi)**

[Practical technical problems with bicarbonate dialysis] Flandoli R. **Nephrologie** 1983;4(4–5):171–3 **(Fre)**

[Improvement of dialysis tolerance in patients with severe infections using a bicarbonate dialysate] Huyghebaert MF, et al. **Nephrologie** 1983;4(4–5):245–7 (Eng. Abstr.) **(Fre)**

[Unusual therapeutic problems posed by acute kidney failure. Importance of bicarbonate dialysis] Kopp KF, et al. **Nephrologie** 1983;4(4–5):242–4 (Eng. Abstr.) **(Fre)**

[Acute kidney failure in a resuscitation milieu: improvement of dialysis tolerance using bicarbonates in the dialysate] Mathieu D, et al. **Nephrologie** 1983;4(4–5):248–50 (Eng. Abstr.) **(Fre)**

[Technical aspects of the Cobe Centry 2 RX bicarbonate dialysis generator. A dialysis system as requested] Schuyler R, et al. **Nephrologie** 1983;4(4–5):167–9 **(Fre)**

ADMINISTRATION & DOSAGE

Calcium balance and acid–base status of women as affected by increased protein intake and by sodium bicarbonate ingestion. Lutz J. **Am J Clin Nutr** 1984 Feb;39(2):281–8

Combined ventilator and bicarbonate strategy in the management of status asthmaticus [letter] Shustack A, et al. **Am J Med** 1984 Jan;76(1):A88

Evaluation of the efficacy of Alka–Seltzer Effervescent in gastric acid neutralization. Chen CT, et al. **Anesth Analg** 1984 Mar;63(3):325–9

Treatment of metformin–associated lactic acidosis with closed recirculation bicarbonate–buffered hemodialysis [letter] Chalopin JM, et al. **Arch Intern Med** 1984 Jan; 144(1):203–5

Grocery store baking soda. A source of sodium bicarbonate in the management of chronic metabolic acidosis. Booth BE, et al. **Clin Pediatr (Phila)** 1984 Feb;23(2):94–6

Lactic acidosis: high–dose or low–dose bicarbonate therapy? Ryder RE. **Diabetes Care** 1984 Jan–Feb;7(1):99–102

Addition of sodium bicarbonate to calf starter rations varying in protein percent. Curnick KE, et al. **J Dairy Sci** 1983 Oct;66(10):2149–60

Effects of dietary sodium bicarbonate and calcium chloride on physiological responses of lactating dairy cows in hot weather. Escobosa A, et al. **J Dairy Sci** 1984 Mar; 67(3):574–84

Restricted dietary chloride with sodium bicarbonate supplementation for Holstein cows in early lactation. Fettman MJ, et al. **J Dairy Sci** 1984 Jul;67(7):1457–67

Influence of colostrum preservation and sodium bicarbonate on performance of dairy calves. Jenny BF, et al. **J Dairy Sci** 1984 Feb;67(2):313–8

Resuscitation of the newborn [letter] Smith BE. **Postgrad Med** 1975 Aug;58(2):23

Interrelationship between sodium chloride, sodium bicarbonate, calcium, and phosphorus in laying hen diets. Junqueira OM, et al. **Poult Sci** 1984 Jan;63(1):123–30

Interrelationship between phosphorus, sodium, and chloride in the diet of laying hens. Junqueira OM, et al. **Poult Sci** 1984 Jun;63(6):1229–36

[Preliminary experience with bicarbonate in the dialysis fluid in stable chronic hemodialysis patients] Brinch E, et al. **Ugeskr Laeger** 1984 Mar 12;146(11):803–5 (Eng. Abstr.) **(Dan)**

[Bicarbonate hemodialysis. Pharmaceutical aspects] Hamon M, et al. **Nephrologie** 1983;4(4–5):174–7 (Eng. Abstr.) **(Fre)**

[Bicarbonate–containing dialysate: a critical study] Man NK, et al. **Nephrologie** 1983;4(4–5):161–5 (Eng. Abstr.) **(Fre)**

[Effect of IV hydration with sodium bicarbonate on high–dose methotrexate disposition kinetics] Tsuda N, et al. **Gan To Kagaku Ryoho** 1984 Apr;11(4):873–80 (Eng. Abstr.) **(Jpn)**

[Effect of combined treatment using the drinking of sodium bicarbonate mineral water and electrosleep procedures on lipid metabolism in ischemic heart disease patients] Kosoverov EO. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Jan–Feb;(1):12–5 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Effects of acidemia and sodium bicarbonate therapy in advanced cardiac life support. Niemann JT, et al. **Ann Emerg Med** 1984 Sep;13(9 Pt 2):781–4

Increased vomiting induced by an antiemetic drug. Sinaasappel M, et al. **Arch Dis Child** 1984 Mar;59(3):272–4

Clinical curio: addiction to sherbet fountains. Kaye G, et al. **Br Med J [Clin Res]** 1983 Oct 15;287(6399):1121

Reducing patient morbidity from high–efficiency hemodialysis: a double–blind crossover trial. Shimizu AG, et al. **Trans Am Soc Artif Intern Organs** 1983;29:666–8

[Hypoxemia in hemodialysis: hemodynamic mechanism? Hemodynamic and spirometric study using acetate and bicarbonate buffers] Branger B, et al. **Nephrologie** 1983; 4(4–5):190–3 (Eng. Abstr.) **(Fre)**

[Clinical tolerance of hemodialysis sessions in children. Comparison of bicarbonate and acetate baths] Pierre G, et al. **Nephrologie** 1983;4(4–5):201–3 (Eng. Abstr.) **(Fre)**

[Improvement of tolerance of dialysis sessions using bicarbonate baths. Results of a controlled study] Wolf C, et al. **Nephrologie** 1983;4(4–5):204–7 (Eng. Abstr.) **(Fre)**

ANALYSIS

The enzymatic determination of bicarbonate and CO2 in reagents and buffer solutions. Hall NP, et al. **Anal Biochem** 1983 Jul 1;132(1):152–7

Bicarbonate, not 'CO2' [editorial] Garfinkel HB, et al. **Arch Intern Med** 1983 Nov;143(11):2063–4

BLOOD

Evaluation of the bicarbonate buffer system. Does the pK' really vary in the blood? Halperin ML, et al. **Am J Nephrol** 1983 Sep–Oct;3(5):245–7

Acid–base assessment with peripheral venous blood. Carveth ML, et al. **Heart Lung** 1984 Jan;13(1):48–54

Diffusion coefficients of CO2 molecule and bicarbonate ion in hemoglobin solution measured by fluorescence technique. Uchida K, et al. **Jpn J Physiol** 1983;33(4):619–34

Use of blood from arterialised capillaries in the ears of calves for the analysis of pO2, pCO2, pH and bicarbonate. Verhoeff J, et al. **Res Vet Sci** 1983 Jul;35(1):124–6

[Bicarbonate dialysis: comparative study of its long–term effects] Fournier G, et al. **Nephrologie** 1983;4(4–5):238–41 (Eng. Abstr.) **(Fre)**

[Effects of improved levels of plasma bicarbonates in terminal renal failure] Melamed J, et al. **Nephrologie** 1983; 4(4–5):236–7 (Eng. Abstr.) **(Fre)**

[Long–term effects of acid–base equilibrium of bicarbonate dialysis] Wathen RL, et al. **Nephrologie** 1983;4(4–5):184–5 (Eng. Abstr.) **(Fre)**

CEREBROSPINAL FLUID

CSF and plasma ions and blood gases during organic metabolic acidosis in conscious rabbits. Nattie EE, et al. **J Appl Physiol** 1984 Jul;57(1):68–76

DIAGNOSTIC USE

Gastric air contrast: useful adjunct to hepatic artery scintigraphy. Wahl RL, et al. **AJR** 1984 Aug;143(2):321–5

Pain provocation test in peptic duodenitis. Joffe SN, et al. **Gastrointest Endosc** 1983 Nov;29(4):282–4

METABOLISM

Evidence for bicarbonate–dependent lithium reabsorption in dog kidneys. Hartmann A, et al. **Acta Physiol Scand** 1984 Feb;120(2):257–64

Evidence for bicarbonate–dependent magnesium reabsorption. Hartmann A, et al. **Acta Physiol Scand** 1983; 119(2):159–67

Flow dependence of proximal tubular bicarbonate absorption. Alpern RJ, et al. **Am J Physiol** 1983 Oct;245(4):F478–84

Volume expansion modulates NaHCO3 and NaCl transport in the proximal tubule and Henle's loop. Bichara M, et al. **Am J Physiol** 1984 Jul;247(1 Pt 2):F140–50

Relative effects of systemic pH, PCO2, and HCO3 concentration on colonic ion transport. Charney AN, et al. **Am J Physiol** 1984 Feb;246(2 Pt 1):G159–65

Regulation of proximal bicarbonate reabsorption. Cogan MG, et al. **Am J Physiol** 1984 Sep;247(3 Pt 2):F387–95 (59 ref.)

Effects of acute alterations in PCO2 on proximal HCO–3, Cl–, and H2O reabsorption. Cogan MG. **Am J Physiol** 1984 Jan;246(1 Pt 2):F21–6

Intracellular pH and bicarbonate activities in rabbit colon. Duffey ME. **Am J Physiol** 1984 May;246(5 Pt 1):C558–61

On the mechanism of luminal CO2 generation during jejunal bicarbonate absorption. Feldman GM, et al. **Am J Physiol** 1984 Jun;246(6 Pt 1):G687–94

Ammonia and bicarbonate transport by thick ascending limb of rat kidney. Good DW, et al. **Am J Physiol** 1984 Jul; 247(1 Pt 2):F35–44

Effect of luminal pH and HCO3– on phosphate reabsorption in the rabbit proximal convoluted tubule. Hamm LL, et

al. **Am J Physiol** 1984 Jul;247(1 Pt 2):F25–34
Regulation of gastroduodenal HCO–3 transport by luminal acid in the frog in vitro. Heylings JR, et al. **Am J Physiol** 1984 Mar;246(3 Pt 1):G235–42
Association between HCO3(–) absorption and K+ uptake by Amphiuma jejunum: relations among HCO3(–) absorption, luminal K+, and intracellular K+ activity. Imon MA, et al. **Am J Physiol** 1984 Jun;246(6 Pt 1):G732–44
Prostaglandins and alkaline secretion from oxyntic, antral, and duodenal mucosa of the dog. Konturek SJ, et al. **Am J Physiol** 1983 Oct;245(4):G539–46
Proximal HCO3– reabsorption and the determinants of tubular and capillary PCO2 in the rat. Maddox DA, et al. **Am J Physiol** 1984 Jul;247(1 Pt 2):F73–81
Mechanism of bicarbonate exit across basolateral membrane of the rabbit proximal convoluted tubule. Sasaki S, et al. **Am J Physiol** 1984 Jun;246(6 Pt 2):F889–96
Absence of Cl– –OH– or Cl– –HCO3– exchange in the rabbit renal proximal tubule. Schwartz GJ. **Am J Physiol** 1983 Oct;245(4):F462–9
Bicarbonate–carbon dioxide buffer system: a determinant of the mitochondrial pH gradient. Simpson DP, et al. **Am J Physiol** 1984 Sep;247(3 Pt 2):F440–6
Gastric and duodenal HCO3– transport in vivo: influence of prostaglandins. Smeaton LA, et al. **Am J Physiol** 1983 Dec;245(6):G751–9
Mechanisms of CO2 transport in rectal salt gland of Aedes. II. Site of Cl(–)–HCO3(–) exchange. Strange K, et al. **Am J Physiol** 1984 May;246(5 Pt 2):R735–40
Analysis of Cl– –HCO3(–) exchange during recovery from intracellular acidosis in cardiac Purkinje strands. Vanheel B, et al. **Am J Physiol** 1984 May;246(5 Pt 1):C391–400
Proximal tubular Na, Cl, and HCO3 reabsorption and renal oxygen consumption. Weinstein SW, et al. **Am J Physiol** 1984 Jul;247(1 Pt 2):F151–7
Bicarbonate reabsorption in the proximal tubule during carbonic anhydrase inhibition. Cogan MG. **Ann NY Acad Sci** 1984;429:538–40
Carbonic anhydrase–dependent bicarbonate transport in the kidney. DuBose TD Jr. **Ann NY Acad Sci** 1984;429:528–37
Generation of reabsorptive bicarbonate concentration gradients between vasa recta and papillary tubular fluid after inhibition of carbonic anhydrase in the rat kidney. Frommer JP, et al. **Ann NY Acad Sci** 1984;429:541–3
Bicarbonate uptake by basolateral membrane vesicles from rat jejunum. Faelli A, et al. **Arch Int Physiol Biochim** 1983 Dec;91(5):423–32
Bicarbonate transport across rat enterocyte. Faelli A, et al. **Boll Soc Ital Biol Sper** 1984 May 30;60 Suppl 4:165–8
Proximal tubular acidification in metabolic alkalosis. Mello–Aires M, et al. **Braz J Med Biol Res** 1983 Dec; 16(4):365–74
Effects of luminal pH and luminal HCO3 on Cl–HCO3 exchange across turtle urinary bladder. Mahadeva V, et al. **Can J Physiol Pharmacol** 1983 Sep;61(9):1081–4
The possible role of bicarbonate in mucosal protection and peptic ulceration. Vadgama P, et al. **Digestion** 1983; 27(4):203–13
A model for transepithelial ion transport across the isolated retinal pigment epithelium of the frog. DiMattio J, et al. **Exp Eye Res** 1983 Nov;37(5):409–20
Equilibration of metabolic CO2 with preformed CO2 and bicarbonate. An unexpected finding. Hems R, et al. **FEBS Lett** 1983 Mar 21;153(2):438–40
Studies of the 'mucus–bicarbonate' barrier on rat fundic mucosa: the effects of luminal pH and a stable prostaglandin analogue. Ross IN, et al. **Gut** 1983 Nov;24(11):1030–3
Investigation of tubular handling of bicarbonate in man. A new approach utilizing stable carbon isotope fractionation. Burbea ZH, et al. **J Clin Invest** 1983 Dec;72(6):2125–36
Internephron heterogeneity for carbonic anhydrase–independent bicarbonate reabsorption in the rat. Frommer JP, et al. **J Clin Invest** 1984 Apr;73(4):1034–45
Proximal tubular bicarbonate reabsorption and PCO2 in chronic metabolic alkalosis in the rat. Maddox DA, et al. **J Clin Invest** 1983 Oct;72(4):1385–95
Cl–/HCO3– exchange at the apical membrane of Necturus gallbladder. Reuss L, et al. **J Gen Physiol** 1984 Jun; 83(6):801–18
The role of chloride–bicarbonate exchange in the regulation of intracellular chloride in guinea–pig vas deferens. Aickin CC, et al. **J Physiol (Lond)** 1984 Apr;349:587–606
Regulation of bicarbonate transport across the brush border membrane of the bull–frog choroid plexus. Saito Y, et al. **J Physiol (Lond)** 1984 May;350:327–42
The effect of secretin on canine gastric mucosal HCO–3 production. Dayton MT, et al. **J Surg Res** 1983 Oct; 35(4):319–24
Reduction of renal blood flow and proximal bicarbonate reabsorption in rats by gentamicin. Klotman PE, et al. **Kidney Int** 1983 Nov;24(5):638–43
Tubular handling of bicarbonate in dogs with experimental renal failure. Wong NL, et al. **Kidney Int** 1984 Jun; 25(6):912–8
The effect of hypocalcemia on renal bicarbonate absorption. Rouse D, et al. **Miner Electrolyte Metab** 1984;10(1):31–5
Apparent synergism between amino donors for CTP synthesis in Chinese hamster fibroblasts. McLaren JD, et al. **Mol Cell Biochem** 1983;57(2):167–75
Electrophysiological analysis of bicarbonate permeation across the peritubular cell membrane of rat kidney proximal tubule. I. Basic observations. Burckhardt BC, et al. **Pflugers Arch** 1984 May;401(1):34–42
Electrophysiological analysis of bicarbonate permeation across the peritubular cell membrane of rat kidney proximal tubule. II. Exclusion of HCO3(–)–effects on other ion permeabilities and of coupled electroneutral HCO3(–)–transport. Burckhardt BC, et al. **Pflugers Arch** 1984 May;401(1):43–51
Proximal tubular HCO3–, H+ and fluid transport during maleate–induced acidification defect. Rebouças NA, et al. **Pflugers Arch** 1984 Jul;401(3):266–71
Hypocalciuric effects of hydrochlorothiazide in the rat during NaHCO3, NaCl and NH4Cl loading. Goulding A, et al. **Renal Physiol** 1984 May–Jun;7(3):185–91
The effects of hypocapnia on intracellular pH and bicarbonate. Bettice JA, et al. **Respir Physiol** 1984 Jan; 55(1):121–30
Catecholamine effect on HCO3–/Cl– exchange and rabbit myocardial cell pH regulation. Gonzalez NC, et al. **Respir Physiol** 1984 Jun;56(3):289–99
Effect of luminal acid on gastric and duodenal bicarbonate transport. Heylings JR, et al. **Scand J Gastroenterol [Suppl]** 1984;92:59–62
HCO3– secretion and surface pH gradient in rat duodenum exposed to luminal acid. Kivilaakso E, et al. **Scand J Gastroenterol [Suppl]** 1984;92:51–4
Gastric mucosa permeability and HCO3– secretion 'in vivo' during perfusion of damaging and protective agents across canine Heidenhain pouches. Ventura U, et al. **Scand J Gastroenterol [Suppl]** 1984;92:55–8

PHARMACODYNAMICS

Renal concentrating ability of rats fed a sodium bicarbonate enriched diet. Ballina JC, et al. **Act Physiol Pharamacol Latinoam** 1984;34(1):65–8
Gas exchange during dialysis. Contrasting mechanisms contributing to comparable alterations with acetate and bicarbonate buffers. Hunt JM, et al. **Am J Med** 1984 Aug; 77(2):255–60
Effects of glucagon, insulin, propionate, acetate, and HCO3 on K excretion in sheep. Rabinowitz L, et al. **Am J Physiol** 1984 Feb;246(2 Pt 2):R197–204
Mechanism of action of bicarbonate on the mitochondrial ATPase: a new graphical analysis procedure based on a ligand substitution model. Jenkins WT. **Arch Biochem Biophys** 1983 Nov;227(1):174–9
Reaction mechanism of phosphoenolpyruvate carboxylase. Bicarbonate–dependent dephosphorylation of phosphoenol–alpha–ketobutyrate. Fujita N, et al. **Biochemistry** 1984 Apr 10;23(8):1774–9
Effect of reduced pH in absence of HCO3(–) on anomalous and normal potential responses in bullfrog antrum. Schwartz M, et al. **Biochim Biophys Acta** 1984 Jun 27; 773(2):189–96
The effect of ispaghula (Fybogel and Metamucil) and guar gum on glucose tolerance in man. Jarjis HA, et al. **Br J Nutr** 1984 May;51(3):371–8
The cardiovascular effects of hypertonic sodium bicarbonate in conscious dogs: underlying mechanisms of action. Dumont L, et al. **Can J Physiol Pharmacol** 1984 Mar; 62(3):314–8
Effects of peroperative myocardial ischemia on early and late hemodynamic response to hypertonic sodium bicarbonate in dogs. Dumont L, et al. **Can J Surg** 1984 May;27(3):241–4
Hemodynamic changes during hemodialysis: role of dialyzate. Chen TS, et al. **Clin Nephrol** 1983 Oct; 20(4):190–6
Sodium bicarbonate inhibits gastric mucosa membrane adenosine triphosphatase activity. Martin LF, et al. **Curr Surg** 1984 Jan–Feb;41(1):26–9
Contribution of ambient HCO3– to mucosal protection and intracellular pH in isolated amphibian gastric mucosa. Kivilaakso E. **Gastroenterology** 1983 Dec;85(6):1284–9
CO2/bicarbonate stimulates growth independently of PH in mouse mammary epithelial cells. Ehmann UK, et al. **In Vitro** 1983 Oct;19(10):767–74
Influence of sodium bicarbonate and magnesium oxide on digestion and metabolism in yearling beef steers abruptly changed from high forage to high energy diets. Peirce SB, et al. **J Anim Sci** 1983 Dec;57(6):1561–7
The effect of the bicarbonate anion on serum ionized calcium concentration in vitro. Hughes WS, et al. **J Lab Clin Med** 1984 Jan;103(1):93–103
Electrical effects of potassium and bicarbonate on proximal tubule cells of Necturus. Matsumura Y, et al. **J Membr Biol** 1984;79(2):145–52
Effects of sodium bicarbonate and 1,25–dihydroxy–cholecalciferol on calcium and phosphorus balances in the rat. Goulding A, et al. **J Nutr** 1984 Apr; 114(4):653–9
Calcium and cardioplegia. The optimal calcium content for the St. Thomas' Hospital cardioplegic solution. Yamamoto F, et al. **J Thorac Cardiovasc Surg** 1984 Jun;87(6):908–12
Effects of sodium bicarbonate and hydrochlorothiazide on the hypercalciuric action of 1,25(OH)2D3 in the rat. Goulding A, et al. **J Urol** 1984 Mar;131(3):580–1
Effects of acetate and bicarbonate hemodialysis on cardiac function in chronic dialysis patients. Mehta BR, et al. **Kidney Int** 1983 Dec;24(6):782–7
Effect of acute induced metabolic alkalosis on 800–m racing time. Wilkes D, et al. **Med Sci Sports Exerc** 1983; 15(4):277–80
Difference between actions of high PCO2 and low [HCO–3] on neurons in the rat medullary chemosensitive areas in vitro. Fukuda Y. **Pflugers Arch** 1983 Sep;398(4):324–30
Effect of bicarbonate and furosemide on chloride accumulation by the intestine of the freshwater turtle Mauremys caspica. Díez de los Ríos A, et al. **Rev Esp Fisiol** 1983 Jun;39(2):129–32
[Hemodynamic and metabolic aspects of bicarbonate dialysis] Graefe U. **Nephrologie** 1983;4(4–5):225–7 (Eng. Abstr.) (Fre)
[Electro–encephalographic study of the disequilibrium syndrome during bicarbonate dialysis and acetate dialysis] Hampl H, et al. **Nephrologie** 1983;4(4–5):220–4 (Eng. Abstr.) (Fre)
[Variations in blood aldosterone, plasma renin activity and plasma levels of converting enzyme during bicarbonate dialysis in chronic kidney failure] Hory B, et al. **Nephrologie** 1983;4(4–5):229–30 (Eng. Abstr.) (Fre)
[Comparative effects of hemodialysis using acetate and bicarbonate baths on lipid metabolism] Lefebvre A. **Nephrologie** 1983;4(4–5):228 (Eng. Abstr.) (Fre)
[Arterial pressure, heart rate and systolic time intervals in patients on long–term hemodialysis dialyzed with a bath containing acetate or bicarbonate] Lefebvre A, et al. **Nephrologie** 1983;4(4–5):210–5 (Eng. Abstr.) (Fre)
[Comparison of left ventricular function in children hemodialyzed with bicarbonate and acetate. An echocardiographic study] Machraoui A, et al. **Nephrologie** 1983;4(4–5):216–9 (Eng. Abstr.) (Fre)
[Blood phosphate and calcium metabolism in bicarbonate dialysis of chronic stable hemodialysis patients] Ramos JM, et al. **Nephrologie** 1983;4(4–5):231–5 (Eng. Abstr.) (Fre)
[Respiratory response and acid–base equilibrium in acetate dialysis and bicarbonate dialysis] Salvadeo A, et al. **Nephrologie** 1983;4(4–5):186–9 (Eng. Abstr.) (Fre)
[Blood gas and acid–base changes and rhythmologic tolerance of acetate and bicarbonate hemodialysis using a standard dialyser with high sodium and control of ultrafiltration] Westeel PF, et al. **Nephrologie** 1983; 4(4–5):194–9 (Eng. Abstr.) (Fre)
[Intraocular irrigating solution for ophthalmic surgery. 3. Role of bicarbonate and S–MA2] Otori T, et al. **Nippon Ganka Gakkai Zasshi** 1983;87(10):968–73 (Eng. Abstr.) (Jpn)

POISONING

Sodium intoxication caused by use of baking soda as a home remedy [letter] **Can Med Assoc J** 1983 Oct 1;129(7):684–5

SECRETION

Is there a relationship between gastric acid and pancreatic bicarbonate outputs? Stasiewicz J, et al. **Acta Med Pol** 1982; 23(1–2):71–7
Neural stimulation of gastric bicarbonate secretion in the cat. An involvement of vagal axon–reflexes and substance P? Fändriks L, et al. **Acta Physiol Scand** 1983 Jul;118(3):301–4
Stimulation of mucosal bicarbonate secretion in rat duodenum in vivo by BW755C. Flemström G, et al. **Acta Physiol Scand** 1984 May;121(1):39–43
Gastroduodenal alkaline response to acid and taurocholate in conscious dogs. Konturek SJ, et al. **Am J Physiol** 1984 Aug;247(2 Pt 1):G149–54
Activities and subcellular localizations of enzymes implicated in gastroduodenal bicarbonate secretion. Stiel D, et al. **Am J Physiol** 1984 Aug;247(2 Pt 1):G133–9
Gastroduodenal defence mechanisms. Flemström G, et al. **Clin Gastroenterol** 1984 May;13(2):327–54 (136 ref.)
Protective effects of prostaglandins against ulcerogenic activity of indomethacin during different stages of erosion development in rat stomach. Role of acid and bicarbonate secretion. van Kolfschoten AA, et al. **Dig Dis Sci** 1983 Dec;28(12):1127–32
Duodenal mucosal protection: the basic truth? [editorial] Kauffman GL Jr. **Gastroenterology** 1984 Aug;87(2):438–40
Pancreatic bicarbonate response to food–bound hydrogen ion along the gut. Meyer JH, et al. **Gastroenterology** 1984 Sep; 87(3):586–95
Colonic bicarbonate output as a test of disease activity in ulcerative colitis. Roediger WE, et al. **J Clin Pathol** 1984 Jun;37(6):704–7
Stimulation of electrolyte secretion in rabbit colon by adenosine. Grasl M, et al. **J Physiol (Lond)** 1984 Jan; 346:93–110
Vasoactive intestinal polypeptide (VIP) in the pig pancreas: role of VIPergic nerves in control of fluid and bicarbonate secretion. Holst JJ, et al. **Regul Pept** 1984 Apr;8(3):245–59
Role of sodium, bicarbonate, and plasma osmolality in biliary secretion. Mathisen O, et al. **Scand J Gastroenterol** 1983 Sep;18(6):825–32
Effect of atropine on pancreatic bicarbonate output and plasma concentrations of immunoreactive secretin in response to intraduodenal stimulants. Niebel W, et al. **Scand J Gastroenterol** 1983 Sep;18(6):803–8
Stimulation by BW755C and inhibition by cysteamine of duodenal epithelial alkaline secretion suggest a role of endogenous prostaglandin in mucosal protection. Flemström G, et al. **Scand J Gastroenterol [Suppl]** 1984; 92:101–5
[Mucous–bicarbonate barrier] Uechi M, et al. **Nippon Rinsho** 1984 Jan;42(1):75–80 (Jpn)

[Pancreatic bicarbonate secretion in duodenal ulcer] Boger MM, et al. **Klin Med (Mosk)** 1984 Jan;62(1):95–9 (Eng. Abstr.) **(Rus)**

[Relation between gastric and pancreatic secretion at different stages of the course of duodenal ulcers] Geller AL, et al. **Klin Med (Mosk)** 1983 Jul;61(7):57–60 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

The effect of the correction of metabolic acidosis on nitrogen and potassium balance of patients with chronic renal failure. Papadoyannakis NJ, et al. **Am J Clin Nutr** 1984 Sep; 40(3):623–7

Acute cocaine poisoning. Importance of treating seizures and acidosis. Jonsson S, et al. **Am J Med** 1983 Dec;75(6):1061–4

Hypoxemia during hemodialysis using acetate versus bicarbonate dialysate. Abu-Hamdan DK, et al. **Am J Nephrol** 1984;4(4):248–53

Sodium bicarbonate and hyperventilation in treating an infant with severe overdose of tricyclic antidepressant. Hodes D. **Br Med J [Clin Res]** 1984 Jun 16;288(6433):1800–1

Use of sodium bicarbonate to treat tricyclic antidepressant-induced arrhythmias in a patient with alkalosis. Molloy DW, et al. **Can Med Assoc J** 1984 Jun 1;130(11):1457–9

Oral rehydration therapy: efficacy of sodium citrate equals to sodium bicarbonate for correction of acidosis in diarrhoea. Islam MR, et al. **Gut** 1984 Aug;25(8):900–4

Effect of dialysis on lipid metabolism in chronic renal failure – acetate versus bicarbonate. Kobayashi N, et al. **Int J Artif Organs** 1983 Jul;6(4):187–90

Microbiological and clinical effects of topical subgingival antimicrobial treatment on human periodontal disease. Rosling BG, et al. **J Clin Periodontol** 1983 Sep; 10(5):487–514

Efficacy and mechanism of action of sodium bicarbonate in the treatment of desipramine toxicity in rats. Pentel P, et al. **J Pharmacol Exp Ther** 1984 Jul;230(1):12–9

Daily recycled bicarbonate dialysis with polyacrylonitrile. Buoncristiani U, et al. **Trans Am Soc Artif Intern Organs** 1983;29:669–72

Comparison of the hemodynamic response to hemodialysis with acetate or bicarbonate. Schick EC Jr, et al. **Trans Am Soc Artif Intern Organs** 1983;29:25–8

Hypocalcemia complicating bicarbonate therapy for salicylate poisoning. Fox GN. **West J Med** 1984 Jul; 141(1):108–9

[Treatment of duodenal ulcer with herbazol] Chakürski I. **Vutr Boles** 1984;23(1):18–23 (Eng. Abstr.) **(Bul)**

[Comparative studies of the therapeutic effect of a herbazol preparation with and without an antacid component in duodenal peptic ulcer patients] Chakürski I. **Vutr Boles** 1984;23(3):35–9 (Eng. Abstr.) **(Bul)**

[A hemodialysis bath with bicarbonate improves comfort and ultrafiltration] Lefebvre A. **Nephrologie** 1983;4(4–5):200 (Eng. Abstr.) **(Fre)**

[Preventive hemodialysis using a bath rich in bicarbonates in a pregnant woman with chronic kidney failure] Ryckelynck JP, et al. **Nephrologie** 1983;4(4–5):208–9 (Eng. Abstr.) **(Fre)**

[Is calcium indicated in resuscitation? Experimental studies in dogs] Meuret GH, et al. **Anaesthesist** 1984 Feb; 33(2):108–14 (Eng. Abstr.) **(Ger)**

[Practical experiences with antegrade local chemolysis of struvite/apatite, uric acid and cystine calculi in the kidney] Weirich W, et al. **Urologe [Ausg A]** 1984 Mar;23(2):95–8 (Eng. Abstr.) **(Ger)**

URINE

Passive driving forces of proximal tubular fluid and bicarbonate transport: gradient dependence of H+ secretion. Chan YL, et al. **Am J Physiol** 1983 Nov;245(5 Pt 1):F622–33

Chloride dependence of the HCO3 exit step in urinary acidification by the turtle bladder. Fischer JL, et al. **Am J Physiol** 1983 Nov;245(5 Pt 1):F564–8

Bicarbonaturic effect of acetazolamide in the dog: the influence of graded volume expansion. Gougoux A, et al. **Can J Physiol Pharmacol** 1983 Aug;61(8):911–9

The maintenance of metabolic alkalosis: factors which decrease bicarbonate excretion. Sabatini S, et al. **Kidney Int** 1984 Feb;25(2):357–61 (49 ref.)

BICUCULLINE

ANALOGS & DERIVATIVES

Blockade of GABA receptors in periventricular forebrain of anesthetized cats: effects on heart rate, arterial pressure, and hindlimb vascular resistance. Schmidt B, et al. **Brain Res** 1984 May 28;301(1):111–9

Autoradiographic localization of low affinity GABA receptors with [3H]bicuculline methochloride. Olsen RW, et al. **Eur J Pharmacol** 1984 Mar 23;99(2–3):247–8

[3H]bicuculline methochloride binding to low-affinity gamma-aminobutyric acid receptor sites. Olsen RW, et al. **J Neurochem** 1983 Dec;41(6):1653–63

Effects of gamma-aminobutyrate and bicuculline on primary afferent depolarization of cutaneous fibres in the cat spinal cord. Gmelin G, et al. **Neuroscience** 1983 Nov;10(3):869–74

PHARMACODYNAMICS

Effects of bicuculline and lormetazepam on conditioning avoidance in the rat. De Marino V, et al. **Boll Soc Ital Biol Sper** 1983 Sep 30;59(9):1255–60

Effects of baclofen on synaptically-induced cell firing in the rat hippocampal slice. Ault B, et al. **Br J Pharmacol** 1983 Sep;80(1):211–9

Characterization of penicillin- and bicuculline-induced epileptiform discharges during development of striate cortex in rabbits. Campbell BG, et al. **Brain Res** 1984 Jul; 317(1):125–8

Evidence for a bicuculline-insensitive long-lasting inhibition in the CA3 region of the rat hippocampal slice. Kehl SJ, et al. **Brain Res** 1983 Nov 21;279(1–2):278–81

Effect of strychnine and of bicuculline on dopamine synthesis in retinas of dark-maintained rats. Morgan WW, et al. **Brain Res** 1983 Nov 14;278(1–2):362–5

Effects of bicuculline-induced epileptiform activity on development of receptive field properties in striate cortex and lateral geniculate nucleus of the rabbit. Ostrach LH, et al. **Brain Res** 1984 Jul;317(1):113–23

Inhibitory mechanism in zebrafish optic tectum: visual response properties of tectal cells altered by picrotoxin and bicuculline. Sajovic P, et al. **Brain Res** 1983 Jul 25; 271(2):227–40

GABAergic mechanisms in the ventrolateral medulla alter vasopressor responses from the anterior hypothalamus. Willette RN, et al. **J Cardiovasc Pharmacol** 1984 May–Jun; 6(3):476–82

Changes in regional neurotransmitter amino acid levels in rat brain during seizures induced by L-allylglycine, bicuculline, and kainic acid. Chapman AG, et al. **J Neurochem** 1984 Jul;43(1):62–70

A bicuculline-resistant inhibitory post-synaptic potential in rat hippocampal pyramidal cells in vitro. Newberry NR, et al. **J Physiol (Lond)** 1984 Mar;348:239–54

3H-ACh release from guinea pig gallbladder evoked by GABA through the bicuculline-sensitive GABA receptor. Saito N, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 May;326(1):45–8

Electrophysiological effects of GABA on fish retinal horizontal cells are blocked by bicuculline but not by picrotoxin. Hankins MW, et al. **Neurosci Lett** 1984 Jan 27; 44(1):1–6

Triphasic locomotor response of a plant-parasitic nematode to avermectin: inhibition by the GABA antagonists bicuculline and picrotoxin. Wright DJ, et al. **Parasitology** 1984 Apr;88 (Pt 2):375–82

Comparison of the CNS effects induced by TRH and bicuculline after microinjection into medial septum, substantia nigra and inferior colliculus: absence of support for a GABA antagonist action for TRH. Breese GR, et al. **Pharmacol Biochem Behav** 1984 Jul;21(1):145–9

TOXICITY

Bicuculline-induced epileptic brain injury. Transient and persistent cell changes in rat cerebral cortex in the early recovery period. Söderfeldt B, et al. **Acta Neuropathol (Berl)** 1983;62(1–2):87–95

Regional impairment of protein synthesis in the rat brain during bicuculline-induced seizures. Kiessling M, et al. **Brain Res** 1984 Mar 26;296(1):1–13

Experimental choreoathetosis produced by injection of a gamma-aminobutyric acid antagonist into the lentiform nucleus in the monkey. Jackson A, et al. **Neurosci Lett** 1984 Apr 20;46(1):41–5

BICUSPID

ABNORMALITIES

Protection of dens evaginatus with pit and fissure sealant. Bazan MT, et al. **ASDC J Dent Child** 1983 Sep–Oct; 50(5):361–3

Bilateral triple-rooted mandibular second premolars. Hoyle DE, et al. **Oral Surg** 1984 Jul;58(1):120

Multiple supernumerary teeth. Rosenthaler H, et al. **Oral Surg** 1983 Aug;56(2):227

Dentinal cavity. Sonis AL. **Oral Surg** 1984 Apr;57(4):465

Supernumerary teeth in a family. Konttinen ML, et al. **Proc Finn Dent Soc** 1984;80(2):80–4

ANATOMY & HISTOLOGY

A metrical comparison of maxillary first premolar form. Lavelle CL. **Am J Phys Anthropol** 1984 Apr;63(4):397–403

Prediction of the widths of unerupted canines and premolars. Staley RN, et al. **J Am Dent Assoc** 1984 Feb;108(2):185–90

Morphological considerations of the dental pulp chamber from radiographs of molar and premolar teeth. Shaw L, et al. **J Dent** 1984 Jun;12(2):139–45

[Wearing of the teeth in Australopithecus afarensis: microscopic examination of the superior canine/lower first premolar complex] Puech PF, et al. **C R Seances Acad Sci [III]** 1983;296(23):1083–8 (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

The permeability of root canal walls prepared for post anchorage in permanent incisors, canines and premolars. Posti JJ. **Proc Finn Dent Soc** 1983;79 Suppl 1–2:suppl I 1–112

[Neodentinal bridging after direct pulp capping with calcium hydroxide in human premolars. Histological and histochemical studies] Franz FE, et al. **Schweiz Monatsschr Zahnmed** 1984 May;94(5):377–88 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Cervical erosion involving the lingual surface of a mandibular canine and adjacent premolars. Stroner WF. **J Am Dent Assoc** 1983 Aug;107(2):256–60

Localization of carious lesions in occlusal pits and fissures of human premolars. Juhl M. **Scand J Dent Res** 1983 Aug; 91(4):251–5

PHYSIOLOGY

Experimental study in the dog of the non-active role of the tooth in the eruptive process. Marks SC Jr, et al. **Arch Oral Biol** 1984;29(4):311–22

Cusp reinforcement by the acid-etch technique. Morin D, et al. **J Dent Res** 1984 Aug;63(8):1075–8

[Functional restructuring of the maxillo-dental system in the loss of the masticatory teeth] Radmaev SN. **Stomatologiia (Mosk)** 1984 Jan–Feb;63(1):73–5 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

[Dental elements in a lateroverterbral dermoid cystic teratoma] Bucci E, et al. **Minerva Stomatol** 1983 Jul–Aug; 32(4):517–20 (16 ref.) (Eng. Abstr.) **(Ita)**

SURGERY

The passive lingual arch in first bicuspid extraction. Miotti F. **Angle Orthod** 1984 Apr;54(2):163–75

BICUSPID VALVE see **MITRAL VALVE**

BICYCLE ERGOMETRY TEST see **EXERCISE TEST**

BICYCLING see under **SPORTS**

BICYCLO COMPOUNDS see under **BRIDGED COMPOUNDS**

BIFIDOBACTERIUM

[Antacid bifilact and its effectiveness in the treatment of chronic gastroduodenitis and ulcer disease in children] Dorofeichuk VG, et al. **Vopr Pitan** 1983 Nov–Dec;(6):30–3 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Two site-specific endonucleases BinSI and BinSII from Bifidobacterium infantis. Khosaka T, et al. **FEBS Lett** 1983 Nov 14;163(2):170–4

Extracellular dextranase activity produced by human oral strains of the genus Bifidobacterium. Kaster AG, et al. **Infect Immun** 1983 Nov;42(2):716–20

GROWTH & DEVELOPMENT

Effect of various metals and calcium metabolism inhibitors on the growth of Bifidobacterium bifidum var. pennsylvanicus. Topouzian N, et al. **J Pediatr Gastroenterol Nutr** 1984;3(1):137–42

Barrier effect of Bifidobacterium longum on a pathogenic Escherichia coli strain by gut colonization in the germ-free rat. Faure JC, et al. **Z Ernahrungswiss** 1984 Mar;23(1):41–51

[Bacteria and dietary fiber] Bomar MT. **Z Ernahrungswiss** 1984 Mar;23(1):66–75 (Eng. Abstr.) **(Ger)**

ISOLATION & PURIFICATION

Sorbitol-fermenting bifidobacteria as specific indicators of human faecal pollution. Mara DD, et al. **J Appl Bacteriol** 1983 Oct;55(2):349–57

METABOLISM

[Use of the gnotobiotic rat for determination of the in vivo activity of Bifidobacterium beta-galactosidase] Schulze J, et al. **Nahrung** 1984;28(4):449–55 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Changes of biological and serological characters accompanied with morphological changes in Bifidobacterium. Tateishi M, et al. **Kitasato Arch Exp Med** 1983 Jun;56(1–2):9–16

BIFUNCTIONAL REAGENTS see **CROSS-LINKING REAGENTS**

BIGUANIDES

Interaction of a polymeric biguanide biocide with phospholipid membranes. Ikeda T, et al. **Biochim Biophys Acta** 1984 Jan 11;769(1):57–66

ADMINISTRATION & DOSAGE

Sustained-release formulation of buformin hydrochloride. Sawayanagi Y, et al. **Chem Pharm Bull (Tokyo)** 1984 Mar; 32(3):1049–54

ADVERSE EFFECTS

[Use of biguanide preparations in the treatment of diabetes mellitus] Baranov VG, et al. **Probl Endokrinol (Mosk)** 1984 Jan–Feb;30(1):3–7 (Eng. Abstr.) **(Rus)**

ANALYSIS

[Synthesis and spectral properties of substituted guanamines suitable for chromatography of biguanides] Bellenger P, et al. **Ann Pharm Fr** 1983;41(4):327–37 (Eng. Abstr.) **(Fre)**

[Method of determining o-tolylbiguanide in water] Dukhovnaia IS. **Gig Sanit** 1984 May;(5):45–6 **(Rus)**

METABOLISM

Interaction of biologically active molecules with phospholipid membranes. I. Fluorescence depolarization studies on the effect of polymeric biocide bearing biguanide groups in the main chain. Ikeda T, et al. **Biochim Biophys Acta** 1983 Nov 23;735(3):380–6

PHARMACODYNAMICS

Effects of biguanides on short-circuit current in frog skin. Saito T, et al. **Am J Physiol** 1984 Aug;247(2 Pt 2):F277–81

Biguanides. A review of history, pharmacodynamics and therapy. Schäfer G. **Diabete Metab** 1983 May–Jun; 9(2):148–63 (190 ref.)

Effects of biguanides and sulfonylureas on insulin receptors in cultured cells. Goldfine ID, et al. **Diabetes Care** 1984 May–Jun;7 Suppl 1:54–8

Efficacy of centpiperalone in combination with biguanide & sulfonylurea. Srivastava PP, et al. **Indian J Exp Biol** 1983 Jul;21(7):390–2

Phenyldiguanide and capsaicin stimulate functionally different populations of afferent C-fibers. Skofitsch G, et al. **Neurosci Lett** 1983 Nov 21;42(1):89–94

Inhibition of ethanol absorption by butyl-biguanide in rat gastrointestinal tract in vivo. Debreceni L, et al. **Res Exp Med (Berl)** 1984;184(3):205–8

THERAPEUTIC USE

Plasma HDL in non-insulin-dependent diabetes and the effect of various types of treatment. Shoukry M, et al. **Atherosclerosis** 1983 Dec;49(3):333–8

BILAYER FLUIDITY see **MEMBRANE FLUIDITY**

BILAYERS, LIPID see **LIPID BILAYERS**

BILE

Bile pulmonary embolism: report of a case and a review of the literature. Peven DR, et al. **Am J Gastroenterol** 1983 Dec;78(12):830–4

Sonographic and scintigraphic detection of a bile leak in a post-cholecystectomy patient. Recognition of the tail sign. Rienzo RJ, et al. **Clin Nucl Med** 1983 Oct;8(10):480–2

Hepatobiliary imaging for demonstration of bile leaks. Rozran RS, et al. **Clin Nucl Med** 1984 Apr;9(4):189–92

Tc-99m labeled HIDA imaging in suspected biliary leaks after liver transplantation. Scott-Smith W, et al. **Clin Nucl Med** 1983 Oct;8(10):478–9

Computed tomographic demonstration of a bileoma. Blickman JG, et al. **Eur J Radiol** 1984 May;4(2):98–100

Detection of intraperitoneal bile accumulations: significance of ultrasonography, CT, and cholescintigraphy. Lorenz R, et al. **Gastrointest Radiol** 1984;9(3):213–7

Comparative study on acute gastric mucosal lesion in experimental obstructive jaundice and biliary drainage models. Kodama M, et al. **Hiroshima J Med Sci** 1983 Dec; 32(4):479–84

Cholesterol crystal formation and growth in model bile solutions. Whiting MJ, et al. **J Lipid Res** 1983 Jul; 24(7):861–8

Abnormal accumulation of technetium-99m hepatobiliary agent in a case of idiopathic bile peritonitis [letter] Phatak MG, et al. **J Nucl Med** 1983 Nov;24(11):1084–5

Effects of biliary diversion to the ileum on the in situ disaccharidase activities of duodenal and ileal mucosa in the rat: a study on enzyme kinetics in tissue sections. Gutschmidt S, et al. **J Pediatr Gastroenterol Nutr** 1983 Nov; 2(4):677–82

Antibiotic excretion into the bile [letter] Hitch DC, et al. **J Pediatr Surg** 1983 Dec;18(6):963

Sludge balls to gallstones. Britten JS, et al. **J Ultrasound Med** 1984 Feb;3(2):81–2

Bile leakage after fracture of a percutaneous transhepatic biliary drainage catheter [letter] Nghiem DD. **JAMA** 1984 Feb 17;251(7):892

A new secured technique for intrahepatic cholangiojejunostomy and drainage of bile. Kanematsu T, et al. **Surg Gynecol Obstet** 1984 Jul;159(1):84–7

Effects of ox bile on the growth and organogenesis of Hymenolepis microstoma in vitro. Chowdhury N, et al. **Z Parasitenkd** 1984;70(1):73–80

[Use of a new type of endoprosthesis in internal biliary drainage] Iaccarino V, et al. **Radiol Med (Torino)** 1983 Jun; 69(6):415–8 (Eng. Abstr.) **(Ita)**

ANALYSIS

Apolipoproteins AI and AII in human bile. Ohisalo JJ, et al. **Acta Physiol Scand** 1983 Nov;119(3):303–4

Estimation of ursodeoxycholic acid in human and bear biles using Clostridium absonum 7 beta-hydroxysteroid dehydrogenase. MacDonald IA, et al. **Anal Biochem** 1983 Dec;135(2):349–54

Pathogenesis of gallstones. Weisberg HF. **Ann Clin Lab Sci** 1984 Jul–Aug;14(4):243–51 (21 ref.)

Biliary lipid compositions in cholestatic diseases of infancy. Tazawa Y, et al. **Arch Dis Child** 1983 Oct;58(10):819–23

Quasi-elastic light scattering studies of native hepatic bile from the dog: comparison with aggregative behavior of model biliary lipid systems. Mazer NA, et al. **Biochemistry** 1984 Apr 24;23(9):1994–2005

Correlation of bile acid composition between liver tissue and bile. Akashi Y, et al. **Clin Chim Acta** 1983 Sep 30; 133(2):125–32

High performance liquid chromatographic analysis of molecular species of phosphatidylcholine—development of quantitative assay and its application to human bile. Cantafora A, et al. **Clin Chim Acta** 1983 Nov 15; 134(3):281–95

Determination of free and total cholesterol in human bile samples using an enzyme electrode. Mascini M, et al. **Clin Chim Acta** 1983 Jul 31;132(1):7–15

Direct enzymic fluorimetric method for the determination of individual bile acids in bile. Papanastasiou-Diamandi A, et al. **Clin Chim Acta** 1983 Oct 31;134(1–2):17–23

Effects of synthetic steroid contraceptives on biliary lipid composition of normal Mexican women. Etchegoyen G, et al. **Contraception** 1983 Jun;27(6):591–603

Bile lipid output and composition in patients fitted with external biliary drainage: activity of cicloxilic acid. Tommasini Degna C, et al. **Curr Med Res Opin** 1983; 8(7):472–4

Effect of cicloxilic acid on bile lipid composition in patients with gallstones: a multicenter trial. Carulli N, et al. **Digestion** 1983;28(2):102–7

Immunohistochemical localization of the apoproteins of the bile lipoprotein complex in the human intestine. Lafont H, et al. **Digestion** 1983;28(3):164–9

Effect of endoscopic sphincterotomy on bile acid pool size and bile lipid composition in man. Sauerbruch T, et al. **Digestion** 1983;27(2):87–92

Immunological specificity and biological action of biliary glucagon-like substance in the rabbit. Kondo M. **Endocrinol Jpn** 1983 Apr;30(2):235–41

Effect of ciprofibrate treatment on biliary lipids in patients with hyperlipoproteinaemia. Angelin B, et al. **Eur J Clin Invest** 1984 Feb;14(1):73–8

Bile lipid composition and haemostatic variables in a case of high density lipoprotein deficiency (Tangier disease). Vergani CG, et al. **Eur J Clin Invest** 1984 Feb;14(1):49–54

The influence of physical properties and lipid content of bile on the human blood/bile ethanol ratio. Winek CL, et al. **Forensic Sci Int** 1983 Aug–Sep;22(2–3):171–8

Sterol composition of normal human bile. Effects of feeding shellfish (marine) sterols. Lin DS, et al. **Gastroenterology** 1984 Apr;86(4):611–7

Intermittency of cholesterol crystals in duodenal bile from gallstone patients. Marks JW, et al. **Gastroenterology** 1984 Sep;87(3):622–7

Hepatic biloma complicating sickle cell disease. A case report and a review of the literature. Middleton JP, et al. **Gastroenterology** 1984 Apr;86(4):743–4

Biliary excretion of procollagen type III peptide in healthy humans and in patients with alcoholic cirrhosis of the liver. Raedsch R, et al. **Gastroenterology** 1983 Dec;85(6):1265–70

Modulation of the stimulatory effect of pregnenolone-16 alpha-carbonitrile on biliary cholesterol output in the rat by manipulation of the rate of hepatic cholesterol synthesis. Turley SD, et al. **Gastroenterology** 1984 Aug;87(2):284–92

Supersaturated bile from obese patients without gallstones supports cholesterol crystal growth but not nucleation. Whiting MJ, et al. **Gastroenterology** 1984 Feb;86(2):243–8

The application of the TBP test to bile. Saker EG. **J Anal Toxicol** 1984 Jan–Feb;8(1):51

Antibiotics in bile. Thomas M. **J Antimicrob Chemother** 1983 Nov;12(5):419–22

Rat liver membrane secretory component is larger than free secretory component in bile: evidence for proteolytic conversion of membrane form to free form. Kloppel TM, et al. **J Cell Biochem** 1984;24(4):307–17

High-performance liquid chromatographic determination of galanthamine, a long-acting anticholinesterase drug, in serum, urine and bile. Claessens HA, et al. **J Chromatogr** 1983 Jul 8;275(2):345–53

Reversed-phase high-performance thin-layer chromatography of free and conjugated bile acids. Lepri L, et al. **J Chromatogr** 1984 Apr 24;288(2):461–8

Improved assay procedure for oxmetidine and its metabolites in plasma, urine and bile samples. McDowall RD, et al. **J Chromatogr** 1984 Jan 13;305(1):214–21

Determination of conjugated bile acids in human bile by isotachophoresis in a non-aqueous solvent using a.c. conductivity and UV detection. Reijenga JC, et al. **J Chromatogr** 1983 Sep 2;267(1):85–9

Rapid quantification on Chromarods of cholesterol, total bile salts and phospholipids from the same microliter sample of human gallbladder bile. Rigler MW, et al. **J Chromatogr** 1983 Oct 14;277:321–7

Biliary proteins. Unique inhibitors of cholesterol crystal nucleation in human gallbladder bile. Holzbach RT, et al. **J Clin Invest** 1984 Jan;73(1):35–45

Lack of effect of experimental ascorbic acid deficiency on bile acid metabolism, sterol balance, and biliary lipid composition in man. Duane WC, et al. **J Lipid Res** 1983 Sep;24(9):1186–95

Mucosal alkaline phosphatase and bile lipids in the gallbladder in cholecystitis. Kouroumalis E, et al. **J Pathol** 1983 Oct;141(2):169–79

Fecal and biliary bile acid patterns in children with bile acid malabsorption. Tazawa Y, et al. **J Pediatr Gastroenterol Nutr** 1984 Jun;3(3):378–84

Excretion of 5 beta-cholestane-3 alpha, 7 alpha, 12 alpha, 26-tetrol and corticosterone metabolites in rat bile. Studies on the role of alcohol dehydrogenase in steroid metabolism. Cronholm T. **J Steroid Biochem** 1984 Jun;20(6A):1321–5

A unique lipid pattern associated with the gall bladder bile of the chick embryo. Noble RC, et al. **Lipids** 1984 Jan; 19(1):64–7

Bile acid analysis: a rapid and sensitive gas-liquid chromatographic method. Bonazzi P, et al. **Pharmacol Res Commun** 1984 Jun;16(6):549–58

Biliary and gastrointestinal excretion of chromium after administration of Cr-III and Cr-VI in rats. Manzo L, et al. **Res Commun Chem Pathol Pharmacol** 1983 Oct; 42(1):113–25

Biliary tract infection with anaerobes and the presence of free bile acids in bile. Shimada K, et al. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl 1:S147–51 (24 ref.)

The effect of raw grass carp (Ctenopharyngodon idellus) bile on renal function in the conscious rat. Chen CF, et al. **Taiwan I Hsueh Hui Tsa Chih** 1983 Dec;82(12):1203–9

Quantitative determination of conjugated and unconjugated bilirubin in bile by thin layer chromatography of their azoderivatives. Shinya F. **Tohoku J Exp Med** 1984 Jun; 143(2):249–51

The effect of interaction between subsequent doses of MeHgCl or HgCl2 on the biliary excretion of mercury from each individual dose. Cikrt M, et al. **Toxicol Lett** 1984 Feb;20(2):189–94

[Bile composition and gallstone formation] Hong NK. **Chung Hua Wai Ko Tsa Chih** 1983 Jun;21(6):321–5 (Eng. Abstr.) **(Chi)**

[Quantitative control of bovine and ovine bile] Liu H. **Chung Yao Tung Pao** 1984 Jan;9(1):24–5 **(Chi)**

[A simple method for determining the lithogenic index of bile] Tesař V, et al. **Cas Lek Cesk** 1983 Nov 25; 122(47):1448–51 (Eng. Abstr.) **(Cze)**

[Cholesterol crystals, cholesterol saturation of bile and biliary lithiasis] Poupon R, et al. **Gastroenterol Clin Biol** 1984 Mar; 8(3):260–3 (Eng. Abstr.) **(Fre)**

[Biliary excretion of xenobiotics in vertebrates and its significance for the chemical analytic detection of environmental toxins using the fish test] Grahl K. **Z Gesamte Hyg** 1984 Jun;30(6):336–7 (Eng. Abstr.) **(Ger)**

[Formation and modification of bile lipids] Hüdepohl JM, et al. **ZFA (Stuttgart)** 1983 Nov 30;59(33):1861–4 **(Ger)**

[Relation between concentrations of ceftizoxime in bile and the gallbladder wall and blood levels and clinical application of the drug to surgical patients] Ferri O, et al. **G Ital Chemioter** 1984 Jan–Aug;31(1–2):121–5 (Eng. Abstr.) **(Ita)**

[Correlation of biliary cholesterol, phospholipids and bile acid compositions and the development of cholesterol cholelithiasis in mice] Yamahara J, et al. **Nippon Yakurigaku Zasshi** 1983 Sep;82(3):171–80 (Eng. Abstr.) **(Jpn)**

[Chemical composition of the bile in patients after cholecystectomy] Nesterin MF, et al. **Khirurgiia (Mosk)** 1983 Aug;(8):78–81 (Eng. Abstr.) **(Rus)**

[Aluminum, silicon, potassium and sodium content of the blood and digestive gland secretion of patients with chronic digestive organ diseases] Gubergrits AIa, et al. **Klin Med (Mosk)** 1984 Feb;62(2):104–7 (Eng. Abstr.) **(Rus)**

[Comparative characteristics of photometric methods of determination of bile acids in the bile] Galdaĭ VN, et al. **Lab Delo** 1984;(5):289–91 (Eng. Abstr.) **(Rus)**

[Chemical assay for bile cholesterol] Karbach IaI. **Lab Delo** 1983;(7):28–30 (Eng. Abstr.) **(Rus)**

[Clinical evaluation of the results of studying duodenal contents] Masevich TsG, et al. **Lab Delo** 1984;(2):89–92 (Eng. Abstr.) **(Rus)**

[Bile acid content of the bile of newborn infants with hemolytic disease] Filippov ES, et al. **Pediatriia** 1984 Mar; (3):34–6 (Eng. Abstr.) **(Rus)**

[Clinical evaluation of the cholate-cholesterol coefficient in bile] Gromashevskaia LL, et al. **Sov Med** 1984;(3):23–6 (Eng. Abstr.) **(Rus)**

[Relation between changes in the bile composition of choledocholithiasis patients and the method of draining the bile ducts] Balliuzek FV, et al. **Vestn Khir** 1983 Aug; 131(8):22–7 (Eng. Abstr.) **(Rus)**

[Significance of various biochemical and immunologic indices of duodenal bile in virus hepatitis] Denisenko LN, et al. **Vrach Delo** 1983 Oct;(10):109–10 (1 ref.) (Eng. Abstr.) **(Rus)**

[Contractile function of the gallbladder and the biochemical composition of the bile in patients with chronic cholecystitis complicated by duodenogastric reflux] Evtushenko VP, et al. **Vrach Delo** 1984 Feb;(2):89–90 (Eng. Abstr.) **(Rus)**

[Bile acids and cholesterol in the bile in biliary tract diseases] Miroshnichenko VP, et al. **Vrach Delo** 1984 Jul;(7):27–9 (Eng. Abstr.) **(Rus)**

[Effect of oral contraceptives on the formation of cholesterol crystals in gallbladder bile] Piñero R, et al. **GEN** 1982 Oct–Dec;36(4):244–50 (Eng. Abstr.) **(Spa)**

[Comparison of the effects of an equal dose of 15 mg/kg/day of chenodeoxycholic and ursodeoxycholic acid on the composition of biliary lipids and acids in the bile in radiotransparent biliary lithiasis] Garrido G, et al. **Rev Esp Enferm Apar Dig** 1983 Oct;64(4):261–9 (Eng. Abstr.) **(Spa)**

CYTOLOGY

Diagnostic significance of bile cytology in obstructive jaundice. Iitsuka Y, et al. **Jpn J Surg** 1984 May;14(3):207–11

Bile cytology. A routine addition to percutaneous biliary drainage. Muro A, et al. **Radiology** 1983 Dec;149(3):846–7

DRUG EFFECTS

Effect of intrabiliary administration of Triton X-100 on biliary excretory function in the rat. Sweeney EF, et al. **Biochem Pharmacol** 1984 Jul 15;33(14):2309–13

Effect of ML-236B (compactin) on biliary excretion of bile salts and lipids, and on bile flow, in the rat. Kempen HJ, et al. **Biochim Biophys Acta** 1984 Jul 26;794(3):435–43

The action of salicylates on bile flow in man. Cooper MJ, et al. **Br J Clin Pharmacol** 1983 Nov;16(5):570–2

The effects of 3,5,5-trimethylcyclohexanol on hepatic cholesterol synthesis, bile flow and biliary lipid secretion in the rat. Bell GD, et al. **Br J Pharmacol** 1984 Jan; 81(1):183–7

Effects of histamine and histamine antagonists on hepatic bile flow in the conscious sheep. Lee SP. **Clin Exp Pharmacol Physiol** 1984 Jan–Feb;11(1):61–9

Effect of prostaglandin E1 on bile flow in the rat. Nassar CF, et al. **Digestion** 1984;29(4):235–8

Reversible impairment of hepatobiliary function induced by streptozotocin in the rat. Carnovale CE, et al. **Experientia** 1984 Mar 15;40(3):248–50

Ultrasound assessment of gallbladder filling in presence or absence of pharmacologically stimulated biligenesis. Parisi L, et al. **Farmaco [Prat]** 1984 Jun;39(6):183–9

Acid-stimulated ductular bile flow [letter] Beglinger C, et al. **Gastroenterology** 1984 Jun;86(6):1628–9

Effect of diethyl ether on the biliary excretion of acetaminophen. Watkins JB, et al. **Proc Soc Exp Biol Med** 1984 Oct;177(1):168–75

Effect of oral doses of zinc oxide on the secretion of pancreatic juice and bile in sheep. Smith BL, et al. **Res Vet Sci** 1984 Jul;37(1):58–62

[Effect of dextroamphetamine on pancreatic and biliary secretions in rats] Vaille C, et al. **Ann Pharm Fr** 1983; 41(4):313–9 (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

Bile enzyme activities following choledochotomy and the effect of steroid treatment. Edes I, et al. **Acta Med Hung** 1984;41(2–3):143–7

Effect of chenodeoxycholate feeding upon the biliary output of plasma membrane enzymes in the rat. Rahman K, et al. **Biochem Pharmacol** 1984 Jul 15;33(14):2231–8

Measurement of biliary alkaline phosphatase by mini-column chromatography and by electrophoresis and its application to the detection of liver metastases in patients with breast cancer. Karmen C, et al. **J Clin Pathol** 1984 Feb;37(2):212–7

[Pathogenic role of proteolytic enzymes and microbial flora in chronic lesions of the bile ducts] Rodionova NI. **Klin Med (Mosk)** 1983 Oct;61(10):77–80 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

The occurrence of secretory IgM in the bile of rats. Peppard JV, et al. **Clin Exp Immunol** 1983 Sep;53(3):623–6

IgA-mediated elimination of antigens by the hepatobiliary route. Brown TA, et al. **Fed Proc** 1983 Dec;42(15):3218–21

Studies on the origins of biliary immunoglobulins in rats. Manning RJ, et al. **Gastroenterology** 1984 Jul;87(1):173–9

The liver in the IgA secretory immune system. Dogs, but not rats and rabbits, are suitable models for human studies. Delacroix DL, et al. **Hepatology** 1983 Nov–Dec;3(6):980–8

The transient appearance of IgM antibodies in the bile of rats injected with Salmonella enteritidis. Jackson GD, et al. **Immunol Lett** 1983;7(1):41–5

IgA antibodies in the bile of rats. IV. Synthesis of secretory antibodies in irradiated rats reconstituted with spleen cells: influence of microenvironment on the regulation of IgA production. Denham S, et al. **Immunology** 1984 Jan; 51(1):45–50

Biliary transport of serum IgA in sheep. Scicchitano R, et al. **Immunology** 1984 Sep;53(1):121–9

Complement levels in serum and bile in patients with extra-hepatic biliary tract obstruction. Morrison L, et al. **J Clin Lab Immunol** 1984 Feb;13(2):71–4

Elimination of intestinally absorbed antigen into the bile by IgA. Brown TA, et al. **J Immunol** 1984 Feb;132(2):780–2

Biliary immunoglobulins in protein-energy malnourished rats. Shimura F, et al. **J Nutr Sci Vitaminol (Tokyo)** 1983 Aug;29(4):429–38

Local antibody responses in the bile and faeces of sheep infected with Fasciola hepatica. Wedrychowicz H, et al. **Res Vet Sci** 1984 Jul;37(1):44–51

[Immune response of the biliary tract of rabbits vaccinated orally with inactivated bacterial antigens] Negretti F, et al. **Farmaco [Prat]** 1984 Aug;39(8):253–9 (Eng. Abstr.) **(Ita)**

[Studies on biliary IgA] Ohshima T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Jul;80(7):1461–7 (Eng. Abstr.) **(Jpn)**

METABOLISM

N-acetylpenicillamine potentiation of biliary excretion of methyl mercury: influence of glutathione depletors. Refsvik T. **Acta Pharmacol Toxicol (Copenh)** 1984 Jul;55(1):58–64

The mechanism of biliary excretion of methyl mercury: studies with methylthiols. Refsvik T. **Acta Pharmacol Toxicol (Copenh)** 1983 Aug;53(2):153–8

Chenodeoxycholic acid administration monitored by serum bile acid profiles: a dose-response study. Whiting MJ, et al. **Ann Clin Biochem** 1983 Nov;20 (Pt 6):336–40

Comparison of ceftazidime concentrations in bile and serum. Bouza E, et al. **Antimicrob Agents Chemother** 1983 Jul; 24(1):104–6

Biliary excretion of aztreonam in patients with biliary tract disease. Martinez OV, et al. **Antimicrob Agents Chemother** 1984 Mar;25(3):358–61

Excretory biliary capacity of histamine and its metabolites. Puerta ML, et al. **Arch Farmacol Toxicol** 1983 Aug; 9(2):159–64

Effect of taurocholate pretreatment on the biliary excretion of exogenous organic anions in rats. Fischer E, et al. **Arch Int Pharmacodyn Ther** 1984 Feb;267(2):187–99

Effect of pretreatment with exogenous organic anions on biliary excretion in rats. Fischer E, et al. **Arch Int Pharmacodyn Ther** 1983 Jul;264(1):135–43

Effects of phenobarbital, GSH-depletors, CCl4 and ethanol on the biliary efflux of glutathione in rats. Siegers CP, et al. **Arch Int Pharmacodyn Ther** 1983 Dec;266(2):315–25

Case of the month No. 68. Milk of calcium bile (limy bile). Babbitt G, et al. **Ariz Med** 1983 Sep;40(9):629–30

Changes of the pattern of biliary bile acids during isolated rat liver perfusion. Schoelmerich J, et al. **Biochem Biophys Res Commun** 1983 Sep 15;115(2):518–24

The effects of colchicine on secretion into bile of bile salts, phospholipids, cholesterol and plasma membrane enzymes: bile salts are secreted unaccompanied by phospholipids and cholesterol. Barnwell SG, et al. **Biochem J** 1984 Jun 15; 220(3):723–31

Effect of taurochenodeoxycholate or tauroursodeoxycholate upon biliary output of phospholipids and plasma-membrane enzymes, and the extent of cell damage, in isolated perfused rat livers. Barnwell SG, et al. **Biochem J** 1983 Oct 15; 216(1):107–11

Biliary and urinary excretion rates and serum concentration changes of four bilirubin photoproducts in Gunn rats during total darkness and low or high illumination. Onishi S, et al. **Biochem J** 1984 Aug 1;221(3):717–21

Inorganic mercury secretion into bile as a low molecular weight complex. Ballatori N, et al. **Biochem Pharmacol** 1984 Apr 1;33(7):1087–92

Dependence of biliary secretion of inorganic mercury on the biliary transport of glutathione. Ballatori N, et al. **Biochem Pharmacol** 1984 Apr 1;33(7):1093–8

Substrate induction of the biliary excretion of sulfobromophthalein in rats. Fischer E, et al. **Biochem Pharmacol** 1984 May 1;33(9):1557–9

Hepatic uptake of cadmium and its biliary release as affected by dithioerythritol and glutathione. Graf P, et al. **Biochem Pharmacol** 1984 Feb 15;33(4):639–43

Species difference in biliary excretion of methylmercury. Naganuma A, et al. **Biochem Pharmacol** 1984 Feb 15; 33(4):679–82

Excretion of cyclophosphamide metabolites in bile. Shaw IC, et al. **Biochem Pharmacol** 1984 Aug 1;33(15):2535–8

Effect of acute renal failure on the clearance and biliary excretion of indocyanine green in perfused rat liver. Yates MS, et al. **Biochem Pharmacol** 1984 May 15;33(10):1695–6

Biliary excretion of the dimethyl ester of bilirubin in heterozygous (Jj) and normal (JJ) Gunn rats. Odell GB, et al. **Biochem Soc Trans** 1984 Feb;12(1):83–6

Isolation of 5 alpha-cholestane-3 beta, 7 alpha-diol from bile of patients with cerebrotendinous xanthomatosis. Inefficiency of this steroid as a precursor to cholestanol. Björkhem I, et al. **Biochim Biophys Acta** 1983 Sep 20; 753(2):220–6

Origin of biliary phosphatidylcholines studied by coenzyme labelling with [1,1-2H2]ethanol. Cronholm T, et al. **Biochim Biophys Acta** 1983 Sep 20;753(2):276–9

Dissociation of hepatic cholesterol synthesis from hepatic low-density lipoprotein uptake and biliary cholesterol saturation in female and male hamsters of different ages. Spady DK, et al. **Biochim Biophys Acta** 1983 Oct 11; 753(3):381–92

1-Acyl-lysolecithin acyltransferase and synthesis of biliary lecithins in rat liver. Colard O, et al. **Biochimie** 1984 Mar; 66(3):215–21

Excretory pattern of bile during phototherapy. Berant M, et al. **Biol Neonate** 1984;45(1):11–6

Biliary secretion of sulindac and metabolites in man. Dobrinska MR, et al. **Biopharm Drug Dispos** 1983 Oct–Dec; 4(4):347–58

Biliary excretion and enterohepatic circulation of two beta-adrenergic blocking drugs, exaprolol and propranolol, in rats. Tomčíková O, et al. **Biopharm Drug Dispos** 1984 Apr–Jun;5(2):153–62

Free and conjugated resin acids in the bile of rainbow trout, Salmo gairdneri. Oikari A, et al. **Bull Environ Contam Toxicol** 1984 Aug;33(2):233–40

Characterization of the biliary and urinary glutathione and N-acetylcysteine metabolites of the hepatic carcinogen 1'-hydroxysafrole and its 1'-oxo metabolite in rats and mice. Fennell TR, et al. **Cancer Res** 1984 Aug;44(8):3231–40

Effect of manipulation of gamma-glutamyl transpeptidase levels on biliary excretion of aflatoxin B1 conjugates. Moss EJ, et al. **Carcinogenesis** 1984 Jul;5(7):869–74

Studies on poisonous metals. XI. Effect of chelating agents on biliary excretion of cadmium in rats. Kiyozumi M, et al. **Chem Pharm Bull (Tokyo)** 1984 May;32(5):1987–91

Biliary excretion of ceftizoxime in humans. Brogard JM, et al. **Chemotherapy** 1984;30(4):221–6

The biliary excretion of sulphated and non-sulphated bile acids and bilirubin in patients with external bile drainage. Dooley JS, et al. **Clin Sci** 1984 Jul;67(1):61–8

Glucuronides in bile of rainbow trout (Salmo gairdneri) injected with [3H]aflatoxin B1 and the effects of dietary beta-naphthoflavone. Loveland PM, et al. **Comp Biochem Physiol [C]** 1984;78(1):13–9

Fate of intravenously injected trypsin in dog with special reference to the existence of an enteropancreatic circulation. Bohe M, et al. **Digestion** 1984;29(3):158–63

Effects of drug and chemical pretreatments on biliary excretion of phenylcyclohexene in the rat. Law FC, et al. **Drug Chem Toxicol** 1984;7(3):273–82

Effect of route of administration and biliary excretion on the pharmacokinetics of isotretinoin in the dog. Cotler S, et al. **Drug Metab Dispos** 1984 Mar–Apr;12(2):143–7

pH-dependent rearrangement of the biosynthetic ester glucuronide of valproic acid to beta-glucuronidase-resistant forms. Dickinson RG, et al. **Drug Metab Dispos** 1984 Mar–Apr;12(2):247–52

Identification of the glucuronide and glutathione conjugates of the antitumor drug N2-methyl-9-hydroxyellipticinium acetate (Celiptium). Comparative disposition of this drug with its olivacinium isomer in rat bile. Maftouh M, et al. **Drug Metab Dispos** 1984 Jan–Feb;12(1):111–9

Hepatic clearance of gitoxin. Metabolism and biliary excretion by rabbit isolated liver. Pellegrin PL, et al. **Drug Metab Dispos** 1984 Mar–Apr;12(2):235–41

Metabolism, distribution, and excretion of the carcinogenic aromatic amine, 3,3'-dimethoxybenzidine in the rat. Formation of mutagenic urinary and biliary metabolites. Rodgers RM, et al. **Drug Metab Dispos** 1983 Jul–Aug; 11(4):293–300

Altered biliary excretion of acetaminophen in rats fed ethanol chronically. Vendemiale G, et al. **Drug Metab Dispos** 1984 Jan–Feb;12(1):20–4

Effect of short-term treatment with bezafibrate and fenofibrate on biliary lipid metabolism in patients with hyperlipoproteinaemia. von Bergmann K, et al. **Eur J Clin Invest** 1984 Apr;14(2):150–4

Preliminary observations on the biliary elimination of mebendazole and its metabolites in patients with echinococcosis. Witassek F, et al. **Eur J Clin Pharmacol** 1983;25(1):81–4

Elimination pathways of terbutaline. Tegnér K, et al. **Eur J Respir Dis [Suppl]** 1984;134:93–100

The nature of diene conjugation in human serum, bile and duodenal juice. Cawood P, et al. **FEBS Lett** 1983 Oct 17; 162(2):239–43

The excretion of dimethadione in pure pancreatic juice and bile in postoperative patients. Noda A, et al. **Gastroenterol Jpn** 1984 Apr;19(2):121–6

Effect of somatostatin and bombesin on secretin-stimulated ductular bile flow in dogs. Kaminski DL, et al. **Gastroenterology** 1983 Dec;85(6):1239–47

Human gallbladder mucin accelerates nucleation of cholesterol in artificial bile. Levy PF, et al. **Gastroenterology** 1984 Aug;87(2):270–5

Dissolution of human cholesterol gallstones in stimulated chenodeoxycholate-rich and ursodeoxycholate-rich biles. An in vitro study of dissolution rates and mechanisms. Park YH, et al. **Gastroenterology** 1984 Jul;87(1):150–8

Effect of chloroquine on the form and function of hepatocyte lysosomes. Morphologic modifications and physiologic alterations related to the biliary excretion of lipids and proteins. Sewell RB, et al. **Gastroenterology** 1983 Nov; 85(5):1146–53

Steroid metabolism in fish. II. Testosterone metabolites in the bile of the marine winter flounder Pseudopleuronectes americanus and the freshwater Atlantic Salmon Salmo salar. Truscott B. **Gen Comp Endocrinol** 1983 Sep; 51(3):460–70

Diurnal variation in cholesterol saturation of gall-bladder bile. Kupfer RM, et al. **Gut** 1983 Oct;24(10):950–3

Conjugation and maximal biliary excretion of bilirubin in the rat during pregnancy and lactation and during estroprogestogen treatment. Muraca M, et al. **Hepatology** 1984 Jul–Aug;4(4):633–8

Effect of ursodeoxycholic acid on biliary bile acid and bile lipid composition in gallstone patients. Stiehl A, et al. **Hepatology** 1984 Jan–Feb;4(1):107–11

Immunoglobulin A-mediated hepatobiliary transport constitutes a natural pathway for disposing of bacterial antigens. Russell MW, et al. **Infect Immun** 1983 Dec;

42(3):1041–8

The hepatobiliary transport and short-term biodynamics of radioiodinated chenodeoxycholic acid. Ozker K, et al. **Int J Nucl Med Biol** 1984;11(1):67–71

Biliary and urinary excretion of tyropanoic acid and its Metabolites in the dog. Cooke WJ, et al. **Invest Radiol** 1983 May–Jun;18(3):285–92

Biliary excretion and pharmacokinetics of cefoperazone in humans. Kemmerich B, et al. **J Antimicrob Chemother** 1983 Jul;12(1):27–37

Biliary transport of glutathione S-conjugate by rat liver canalicular membrane vesicles. Inoue M, et al. **J Biol Chem** 1984 Apr 25;259(8):4998–5002

Receptor-mediated biliary transport of immunoglobulin A and asialoglycoprotein: sorting and missorting of ligands revealed by two radiolabeling methods. Schiff JM, et al. **J Cell Biol** 1984 Jan;98(1):79–89

Further studies on the effect of niridazole on urinary and biliary excretion of copper. Abdel Aziz FT, et al. **J Clin Chem Clin Biochem** 1983 Jul;21(7):403–5

The effects of chenodiol on biliary lipids and their association with gallstone dissolution in the National Cooperative Gallstone Study (NCGS). Grundy SM, et al. **J Clin Invest** 1984 Apr;73(4):1156–66

Biliary excretion of glutathione and glutathione disulfide in the rat. Regulation and response to oxidative stress. Lauterburg BH, et al. **J Clin Invest** 1984 Jan;73(1):124–33

Changes in biliary and fecal bile acids in mice after treatments with diosgenin and beta-sitosterol. Uchida K, et al. **J Lipid Res** 1984 Mar;25(3):236–45

Metabolism, plasma transport and biliary excretion of radioactive vitamin A and its metabolites as a function of liver reserves of vitamin A in the rat. Hicks VA, et al. **J Nutr** 1984 Jul;114(7):1327–33

Pharmacokinetic analysis of concentration-time data obtained following administration of drugs that are recycled in the bile. Colburn WA. **J Pharm Sci** 1984 Mar; 73(3):313–7

Effect of nonuniform bile flow rate on the rate of biliary excretion of bromophenol blue in the beagle. Pearlman RS, et al. **J Pharm Sci** 1984 Jul;73(7):932–5

Dose-dependent pharmacokinetics and hepatobiliary transport of bromophenol blue in the beagle. Wills RJ, et al. **J Pharm Sci** 1984 Jul;73(7):928–32

Dose-dependent pharmacokinetics and biliary excretion of bromophenol blue in the rat. Wills RJ, et al. **J Pharm Sci** 1983 Oct;72(10):1127–31

The effects of the administration routes on the biliary excretion of antibiotics. Toya H, et al. **J Pharmacobiodyn** 1984 Mar;7(3):212–6

Pharmacokinetics of the hepatic transport of organic anions: influence of extra- and intracellular binding on hepatic storage of dibromosulfophthalein and interactions with indocyanine green. Meijer DK, et al. **J Pharmacokinet Biopharm** 1984 Feb;12(1):43–65

Glucuronidation and biliary excretion of acetaminophen in rats. Hjelle JJ, et al. **J Pharmacol Exp Ther** 1984 Feb; 228(2):407–13

Changes in serum and bile bilirubin induced by acute hemolysis. Schwesinger WH, et al. **J Surg Res** 1983 Dec; 35(6):520–4

Enterohepatic circulation of vitamin D: a reappraisal of the hypothesis. Clements MR, et al. **Lancet** 1984 Jun 23; 1(8391):1376–9

Moderate alcohol intake reduces bile cholesterol saturation and raises HDL cholesterol. Thornton J, et al. **Lancet** 1983 Oct 8;2(8354):819–22

The bile flow and biliary excretion of ursocholate in the rat. Kitani K, et al. **Life Sci** 1983 Dec 12;33(24):2377–86

Sterol synthesis from biliary squalene in the jejunal mucosa of the rat in vivo. Strandberg TE. **Lipids** 1983 Aug; 18(8):530–3

The biliary excretion and pharmacokinetics of mezlocillin in jaundiced patients with external bile drainage. Dooley JS, et al. **Liver** 1983 Aug;3(4):201–6

Relationships between squalene and cholesterol in bile: effect of ursodeoxycholic acid administration in patients with radiolucent gallstones. Salvioli G, et al. **Metabolism** 1984 Jul;33(7):641–5

Increased biliary GSSG efflux from rat livers perfused with thiocarbamide substrates for the flavin-containing monooxygenase. Krieter PA, et al. **Mol Pharmacol** 1984 Jul;26(1):122–7

Influence of dietary selenium on the mutagenic activity of perfusate and bile from rat liver, perfused with 1,1-dimethylhydrazine. Beije B, et al. **Mutat Res** 1984 Apr; 130(2):121–6

Influence of DL-2-phenyl [6-ethoxybenzothiazolyl-(2)-thio] propionic acid (EMD 34853) on gallstone formation in hamsters. Kritchevsky D, et al. **Pharmacol Res Commun** 1984 Feb;16(2):111–5

Biliary excretion of acetaminophen in ureter-ligated rats. Siegers CP, et al. **Pharmacology** 1984;28(3):177–80

Effect of atropine on rat basal pancreatic secretion during return or diversion of bile-pancreatic juice. Miyasaka K, et al. **Proc Soc Exp Biol Med** 1983 Nov;174(2):187–92

Acceleration of cholesterol phase transitions in analog bile by chlorpromazine, pentobarbital and ethinyl estradiol. Berenson MM, et al. **Res Commun Chem Pathol Pharmacol** 1984 Apr; 44(1):113–22

Identification and characterization of the glucuronide metabolite of diethyldithiocarbamic acid in the bile from the isolated perfused rat liver by gas chromatography and mass spectrometry. Eneanya DI, et al. **Res Commun Chem Pathol Pharmacol** 1983 Sep; 41(3):441–54

Bile flow, bile salt secretion and the excretion of iron, copper, zinc and manganese in the bile of calves infected with Fasciola hepatica. Symonds HW, et al. **Res Vet Sci** 1983 Jul;35(1):69–74

Acute manganese toxicity and the absorption and biliary excretion of manganese in cattle. Symonds HW, et al. **Res Vet Sci** 1983 Jul;35(1):5–13

Mechanism and regulation of hepatic bile production. With special reference to the bile acid-independent canalicular bile formation. Thomsen O. **Scand J Gastroenterol [Suppl]** 1984;97:1–52

Chenodeoxycholic acid synthesis in the hamster: a metabolic pathway via 3 beta, 7 alpha-dihydroxy-5-cholen-24-oic acid. Kulkarni B, et al. **Steroids** 1982 Nov;40(5):581–9

Excretion of cefuroxime in biliary disease. Thomas M, et al. **Surg Gynecol Obstet** 1984 Mar;158(3):272–4

Disposition of the aromatic amine, benzidine, in the rat: characterization of mutagenic urinary and biliary metabolites. Lynn RK, et al. **Toxicol Appl Pharmacol** 1984 Jan;72(1):1–14

Mutagenicity and in vivo disposition of biliary metabolites of benzo(a)pyrene. Chipman JK, et al. **Toxicol Lett** 1983 Jul;17(3–4):233–40

Mutagenicity of benzo(a)pyrene-3-O-glucuronide, a biliary metabolite of benzo(a)pyrene. Chipman JK, et al. **Toxicol Lett** 1983 Jul;17(3–4):361–2

Metabolism of the anti-tumour drugs N2-methyl-9-hydroxyellipticinium acetate (NSC 264137) and N2-methyl-9-hydroxyolivacinium acetate in the rat: preliminary identification of biliary 9-(O)-glucuronide and 10-(S)-glutathione conjugates. Maftouh M, et al. **Xenobiotica** 1983 May;13(5):303–10

The biliary and urinary metabolites of [3H]17 alpha-ethynylestradiol in women. Maggs JL, et al. **Xenobiotica** 1983 Jul;13(7):421–31

Biliary excretion and enterohepatic circulation of paracetamol in the rat. Siegers CP, et al. **Xenobiotica** 1983 Oct;13(10):591–6

Ionic composition of bile in young and adult rats. Barth A, et al. **Z Versuchstierkd** 1984;26(1):11–7

[The importance of the biliary excretion of drugs in the human] Siegers CP, et al. **Dtsch Med Wochenschr** 1983 Oct 14;108(41):1564–70 (95 ref.) **(Ger)**

[Wheat bran-type roughage reduces the lithogenicity of bile] Wechsler JG, et al. **Dtsch Med Wochenschr** 1984 Aug 24; 109(34):1284–8 (Eng. Abstr.) **(Ger)**

[Biliary excretion of choleretically active cinnamic acid derivatives in the rat] Westendorf J, et al. **Z Ernahrungswiss** 1983 Dec;22(4):255–70 (Eng. Abstr.) **(Ger)**

[Chemotherapy of biliary tract infections (XXIV). Biliary excretion and gallbladder tissue levels of mezlocillin] Kobayashi N, et al. **Jpn J Antibiot** 1984 Apr;37(4):597–604 (Eng. Abstr.) **(Jpn)**

[Cefotiam excretion into the bile after radical operation of congenital biliary atresia] Miyano T, et al. **Jpn J Antibiot** 1983 Dec;36(12):3429–36 (Eng. Abstr.) **(Jpn)**

[The correlation between the biliary excretion of cefmetazole and the bile acid metabolism in postoperative patients with biliary atresia] Miyano T, et al. **Jpn J Antibiot** 1984 Feb; 37(2):243–6 (Eng. Abstr.) **(Jpn)**

[A clinical study on cefotiam with special reference to excretion in bile and concentration in gallbladder tissue] Nishimura O, et al. **Jpn J Antibiot** 1984 Feb;37(2):219–28 (Eng. Abstr.) **(Jpn)**

[Clinical observation on the transport of cefotiam into the bile and gall bladder tissue] Tohyama K, et al. **Jpn J Antibiot** 1983 Jun;36(6):1439–42 (Eng. Abstr.) **(Jpn)**

[Effect of bile acid on solubility of excess CACO3 in gallbladder bile] Makino I, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Jun;80(6):1351 **(Jpn)**

[Biliary excretion of diethyl lead after administration of tetraethyl lead in rabbits] Arai F, et al. **Sangyo Igaku** 1983 May;25(3):175–80 (Eng. Abstr.) **(Jpn)**

[Characteristics of cholesterol crystallization in bile (letter)] Zapetskii EV, et al. **Biofizika** 1983 Jul–Aug;28(4):701–3 (Eng. Abstr.) **(Rus)**

[Effect of health resort treatment on the bile levels of free amino acids in chronic cholecystitis] Manto IE, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 Jul–Aug;(4):36–8 (Eng. Abstr.) **(Rus)**

[State of the bile excretory function of the liver in diabetes mellitus] Splavskii OI. **Vrach Delo** 1984 Mar;(3):33–6 **(Rus)**

MICROBIOLOGY

Biliary microflora in acute cholecystitis and the clinical implications. Claesson B, et al. **Acta Chir Scand** 1984; 150(3):229–37

Septic complications of percutaneous transhepatic biliary drainage. Evaluation of a new closed drainage system. Blenkharn JI, et al. **Am J Surg** 1984 Mar;147(3):318–21

Incidence of bile infection in biliary lithiasis. Effects on postoperative bacteremia of choledochoduodenostomy, T-tube drainage, and primary closure of the common bile duct after choledochotomy—a prospective clinical trial. Lygidakis NJ. **Am Surg** 1984 May;50(5):236–40

Bacteriological study of transhepatically aspirated bile. Relation to cholangiographic findings in 295 patients. Suzuki Y, et al. **Dig Dis Sci** 1984 Feb;29(2):109–15

Bacteriology of hepatolithiasis. Tabata M, et al. **Prog Clin Biol Res** 1984;152:163–74 (53 ref.)

The route of infection in patients with bactibilia [letter] Cetta F. **World J Surg** 1983 Jul;7(4):562

[Immediate Gram staining of the bile in operations for gallstones] van der Sar P, et al. **Ned Tijdschr Geneeskd** 1984 Jun 30;128(26):1222–4 (Eng. Abstr.) **(Dut)**

[Microbial contamination of the bile and its effects on the course of the surgical wound after cholecystectomy] Hanquinet P, et al. **Acta Chir Belg** 1984 Jan–Feb; 84(1):19–22 (Eng. Abstr.) **(Fre)**

[Prospective study of infection in biliary surgery. 3500 bacteriological samples in 509 surgically treated patients] Flament JB, et al. **Chirurgie** 1984;110(3):280–91 (Eng. Abstr.) **(Fre)**

[Microbiological studies before and after endoscopic papillotomy (EPT)] Ansorg R, et al. **Infection** 1983 Sep–Oct;11(5):260–3 (Eng. Abstr.) **(Ger)**

[Significance of bacterial count of the bile as a criteria of drug efficacy] Tanimura H, et al. **Jpn J Antibiot** 1983 Aug; 36(8):2275–82 (Eng. Abstr.) **(Jpn)**

[Bacteriology of the bile in cholecystopathies. Radiological association] Machado RJ, et al. **Arq Gastroenterol** 1983 Apr–Jun;20(2):48–52 (Eng. Abstr.) **(Por)**

[Pathogenic role of proteolytic enzymes and microbial flora in chronic lesions of the bile ducts] Rodionova NI. **Klin Med (Mosk)** 1983 Oct;61(10):77–80 (Eng. Abstr.) **(Rus)**

[Bile microflora in inflammatory diseases of the liver and biliary tract (review of the literature)] Andreichin MA. **Vrach Delo** 1984 May;(5):4–9 (76 ref.) **(Rus)**

[Bacteriological study of bile and/or gallbladder mucosa in patients operated on for biliary pathology] Nercelles P, et al. **Rev Med Chil** 1983 Apr;111(4):397–403 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

The importance of bile and pancreatic juice for fat-induced release of neurotensin-like immunoreactivity (NTLI) from the small intestine of the rat. Rökaeus A, et al. **Acta Physiol Scand** 1983 Sep;119(1):33–7

Effect of removal of pancreaticobiliary secretions on adaptation to short bowel in orally nourished rats. Ulshen MH, et al. **Am J Clin Nutr** 1984 May;39(5):762–70

Induction of rat hepatic and intestinal alkaline phosphatase activity produced by bile from bile duct-ligated animals. Komoda T, et al. **Am J Physiol** 1984 Apr;246(4 Pt 1):G393–400

Proteins in bile: how they get there and what they do. LaRusso NF. **Am J Physiol** 1984 Sep;247(3 Pt 1):G199–205 (58 ref.)

Effects of butorphanol, nalbuphine, and fentanyl on intrabiliary tract dynamics. McCammon RL, et al. **Anesth Analg** 1984 Feb;63(2):139–42

Does edematous pancreatitis exist in biliary-related pancreatitis? A hemodynamic and histologic study of the progression of bile-induced pancreatitis. Wells AD, et al. **Arch Surg** 1983 Nov;118(11):1277–82

Effect of increased bile flow and bile acid secretion on the hepatic elimination of sodium valproate in the cat. Marshall AW, et al. **Clin Exp Pharmacol Physiol** 1984 May–Jun; 11(3):309–17

Insulin's effect on bile flow and lipid excretion during euglycemia and hypoglycemia. Jones RS, et al. **Dig Dis Sci** 1984 Jan;29(1):33–9

Effect of theophylline on glucagon and secretin stimulated bile flow. Kaminski DL, et al. **Dig Dis Sci** 1984 Mar; 29(3):261–6

The effects of prostacyclin on canine hepatic bile flow. Kaminski DL, et al. **Hepatology** 1984 Jul–Aug;4(4):644–50

Evidence for modulation of motilin secretion by pancreatico-biliary juice in health and in chronic pancreatitis. Owyang C, et al. **J Clin Endocrinol Metab** 1983 Nov;57(5):1015–20

Biliary steroid excretion in rats fed soybean protein and casein or their amino acid mixtures. Tanaka K, et al. **J Nutr** 1984 Jan;114(1):26–32

Effects of choledochojejunostomy with Roux-en-Y exclusion on dimethylhydrazine induced neoplasms in rats. Morgenstern L, et al. **J Surg Res** 1984 Jan;36(1):55–61

Mechanisms of bile formation, hepatic uptake, and biliary excretion. Klaassen CD, et al. **Pharmacol Rev** 1984 Mar; 36(1):1–67 (1300 ref.)

Altered bile acid physiology during lactation in the rat. Bolt MJ, et al. **Proc Soc Exp Biol Med** 1984 Jun;176(2):164–7

Influence of electrical vagal stimulation and acetylcholine on the function of the feline gallbladder. Björck S, et al. **Scand J Gastroenterol** 1983 Jan;18(1):129–35

Inhibition of cysteamine-induced duodenal ulcer in the rat by bile diversion. Enhancement of the ulcerogenic effect of cysteamine by taurocholic and glycocholic acids. Clémençon GH, et al. **Scand J Gastroenterol** 1983 Jan; 18(1):13–6

Inhibitory activity of gallbladder bile on calcium carbonate crystallization in vitro. A comparison between normal subjects and gallstone patients. Sciarretta G, et al.

Scand J Gastroenterol 1984 Jul;19(5):626–30

Effect of intraesophageal bile and acid (HCl) perfusion on the action of the lower esophageal sphincter. Liebermann–Meffert D, et al. **Scand J Gastroenterol [Suppl]** 1984;92:237–41

Bile diversion from the duodenum: its effect on gastric and pancreatic function. Rhodes J, et al. **Scand J Gastroenterol [Suppl]** 1984;92:221–3

Inhibition of cholesterol crystal formation by apolipoproteins in supersaturated model bile. Kibe A, et al. **Science** 1984 Aug 3;225(4661):514–6

Bile drainage through lymphatic collaterals. Stair JM, et al. **South Med J** 1984 Jan;77(1):91–2

The renal, cardiovascular and hemolytic actions in the rat of a toxic extract from the bile of the grass carp (Ctenopharyngodon idellus). Chen CF, et al. **Toxicon** 1984; 22(3):433–9

Mammalian bile promotes growth of Giardia lamblia in axenic culture. Farthing MJ, et al. **Trans R Soc Trop Med Hyg** 1983;77(4):467–9

Axenic culture of Giardia lamblia in TYI–S–33 medium supplemented with bile. Keister DB. **Trans R Soc Trop Med Hyg** 1983;77(4):487–8

[Solubilization and precipitation of biliary cholesterol. Mechanisms of dissolution of cholesterol calculi] Montet JC, et al. **Gastroenterol Clin Biol** 1984 Jan;8(1):62–9 (60 ref.) (Fre)

SECRETION

Effect of cicloxilic acid on bile flow and biliary lipid secretion in humans. Di Padova C, et al. **Am J Gastroenterol** 1984 Sep;79(9):715–7

Differing effects of hydroxy–7–oxotaurine–conjugated bile acids on bile flow and biliary lipid secretion in dogs. Danzinger RG, et al. **Am J Physiol** 1984 Feb;246(2 Pt 1):G166–72

Differing effects of norcholate and cholate on bile flow and biliary lipid secretion in the rat. O'Maille ER, et al. **Am J Physiol** 1984 Jan;246(1 Pt 1):G67–71

Taurocholate, but not taurodehydrocholate, increases biliary permeability to sucrose. Reichen J, et al. **Am J Physiol** 1983 Nov;245(5 Pt 1):G651–5

Microtubule modulation of biliary excretion of endogenous and exogenous hepatic lysosomal constituents. Sewell RB, et al. **Am J Physiol** 1984 Jan;246(1 Pt 1):G8–15

Canine interdigestive and postprandial gallbladder motility and emptying. Traynor OJ, et al. **Am J Physiol** 1984 Apr; 246(4 Pt 1):G426–32

Abnormal secretion of proteins into bile from colchicine–treated isolated perfused rat livers. Barnwell SG, et al. **Biochem J** 1983 Nov 15;216(2):409–14

The role of conjugation reactions in enhancing biliary secretion of bile acids. Vessey DA, et al. **Biochem J** 1983 Sep 15;214(3):923–7

Effects of jejunal reinfusion of aspirated duodenal fluid on biliary and pancreatic secretion in man. Björnsson OG, et al. **Clin Physiol** 1983 Dec;3(6):525–36

Study on the lipid composition of rat bile during choleresis induced by diethyl maleate. Bonazzi P, et al. **Digestion** 1983;27(4):218–26

Participation of microtubules and microfilaments in the transcellular biliary secretion of immunoglobulin A in primary cultures of rat hepatocytes. Gebhardt R. **Experientia** 1984 Mar 15;40(3):269–71

Inhibition of biliary phospholipid and cholesterol secretion by bilirubin in the Sprague–Dawley and Gunn rat. Apstein MD. **Gastroenterology** 1984 Sep;87(3):634–8

Physiologic determinants of biliary calcium secretion in the dog. Cummings SA, et al. **Gastroenterology** 1984 Sep; 87(3):664–73

Biliary secretion and hepatic metabolism of taurine–conjugated 7 alpha–hydroxy and 7 beta–hydroxy bile acids in the dog. Defective hepatic transport and bile hyposecretion. Nakagaki M, et al. **Gastroenterology** 1984 Sep;87(3):647–59

Bilomas: a new approach to the diagnosis and treatment. Kuligowska E, et al. **Gastrointest Radiol** 1983;8(3):237–43

Effect of ethanol and chlorpromazine on transhepatic transport and biliary secretion of horseradish peroxidase. Okanoue T, et al. **Hepatology** 1984 Mar–Apr;4(2):253–60

Possible defect in the bile secretory apparatus in arteriohepatic dysplasia (Alagille's syndrome): a review with observations on the ultrastructure of liver. Valencia–Mayoral P, et al. **Hepatology** 1984 Jul–Aug; 4(4):691–8

Bile secretion and liver microsomal enzyme modifications after chronic treatment with aldosterone, spironolactone, or furosemide. Afifi F. **Indian J Exp Biol** 1983 Dec; 21(12):686–9

Relation between glutathione redox changes and biliary excretion of taurocholate in perfused rat liver. Akerboom TP, et al. **J Biol Chem** 1984 May 10;259(9):5838–43

Effects of acute changes of bile acid pool composition on biliary lipid secretion. Carulli N, et al. **J Clin Invest** 1984 Aug;74(2):614–24

Effects of furosemide on biliary secretion, pancreatic blood flow, and pancreatic exocrine secretion. Wallach S, et al. **J Clin Pharmacol** 1983 Oct;23(10):401–13

Effects of increased biliary resistance on bile secretion in the rat. Accatino L, et al. **J Lab Clin Med** 1984 Jul; 104(1):51–9

Biopharmaceutical studies on hydantoin derivatives. IV. Factors affecting bioavailability of 5,5–diphenylhydantoin in dog. Fujioka H, et al. **J Pharmacobiodyn** 1984 Feb; 7(2):75–86

Effects of dibutyryl cyclic AMP and theophylline on biliary cholesterol secretion. Kortz WJ, et al. **J Surg Res** 1984 Jan;36(1):62–70

Use of a bidirectional cannula to study biliary secretion in conscious dogs. Madrid JA, et al. **Lab Anim** 1983 Oct; 17(4):307–10

Influence of acute injection of chloroquine on the biliary secretion of lipids and lysosomal enzyme on rats. Lafont H, et al. **Lipids** 1984 Mar;19(3):195–201

Essential role of sodium and chloride for theophylline–induced choleresis in the isolated perfused rat liver. Anwer MS, et al. **Proc Soc Exp Biol Med** 1984 May; 176(1):70–5

By–passing the sphincter of Oddi does not affect gallbladder emptying in the pig. Jimenez R, et al. **Reprod Nutr Dev** 1983;23(5):847–55

Biliary response to food in chickens with intact or interrupted enterohepatic circulation. Lisbona F, et al. **Rev Esp Fisiol** 1983 Sep;39(3):305–10

Relative changes in bile secretion during rat liver regeneration. Sanz A, et al. **Rev Esp Fisiol** 1983 Dec; 39(4):455–9

Role of sodium, bicarbonate, and plasma osmolality in biliary secretion. Mathisen O, et al. **Scand J Gastroenterol** 1983 Sep;18(6):825–32

Diversion of bile and pancreatic secretion in the rat and its effect on cysteamine–induced duodenal and peptic ulcer development under maximal acid secretion. Clémençon GH, et al. **Scand J Gastroenterol [Suppl]** 1984;92:112–5

Meltzer–Lyon test simultaneous with fiberoptic gastroduodenoscopy. Rossi AN, et al. **Surg Gynecol Obstet** 1983 Oct;157(4):378–9

[Effect of clonidine and adrafinil on biliary secretion in the rat] Vaille C, et al. **Ann Pharm Fr** 1983;41(6):517–21 (Eng. Abstr.) (Fre)

[Different effects of taurocholate and ursodeoxycholate on the maximal rate of biliary sulfobromophthalein secretion in hamsters] Delage Y, et al. **Gastroenterol Clin Biol** 1983 Aug–Sep;7(8–9):746–9 (Eng. Abstr.) (Fre)

[Therapy with choleretics and bile kinetics] Ritter U. **Med Monatsschr Pharm** 1984 Apr;7(4):99–104 (Ger)

[Pharmacology of lycorine. 1) Effect on biliary secretion in the rat] Cortese I, et al. **Boll Soc Ital Biol Sper** 1983 Sep 30;59(9):1261–4 (Eng. Abstr.) (Ita)

[Mechanism of bile outflow in cholecystectomized patients] Suzuki E, et al. **Nippon Heikatsukin Gakkai Zasshi** 1983 Feb;19(1):37–45 (Eng. Abstr.) (Jpn)

[Pathogenesis of intrahepatic cholestasis] Juszczyk J, et al. **Postepy Hig Med Dosw** 1982 Jul–Aug;36(4):251–71 (96 ref.) (Eng. Abstr.) (Pol)

[Seasonal features of the excretory function of the liver in the presence of tetracycline damage and correction of the disorders with antioxidants] Skakun NP, et al. **Antibiotiki** 1983 Oct;28(10):757–60 (Eng. Abstr.) (Rus)

[Mechanism of the choleretic effect of bile acids] Esipenko BE, et al. **Fiziol Zh** 1983 Sep–Oct;29(5):590–4 (Eng. Abstr.) (Rus)

[Mechanism of activation of the bile–forming liver function by mineral water 'Naftusia'] Iaremenko MS, et al. **Fiziol Zh** 1983 Jul–Aug;29(4):485–9 (Rus)

[Effect of antimembrane hepatocytotoxic serum on bile secretion and Na+, K+–ATPase activity in hepatocyte membranes] Makogon NV, et al. **Fiziol Zh** 1984 Mar–Apr; 30(2):195–9 (Eng. Abstr.) (Rus)

[Biorhythmic function and adaptive organization of the bile secreting system after cholecystectomy] Purtokas AI. **Khirurgiia (Mosk)** 1983 Aug;(8):90–5 (Eng. Abstr.) (Rus)

[Biliary tract function and bile secretion in patients with nonspecific ulcerative colitis] Abasov IT, et al. **Ter Arkh** 1984;56(2):95–9 (Eng. Abstr.) (Rus)

[Effect of intestinal irrigations with Mirgorod mineral water on the state of liver secretory function] Splavskiĭ OI, et al. **Vrach Delo** 1983 Jul;(7):41–2 (Rus)

BILE ACIDS AND SALTS

Preparation of monodisperse vesicles with variable size by dilution of mixed micellar solutions of bile salt and phosphatidylcholine. Schurtenberger P, et al. **Biochim Biophys Acta** 1984 Aug 8;775(1):111–4

Studies on the mechanism of bile salt–induced liposomal membrane damage. Schubert R, et al. **Digestion** 1983; 28(3):181–90

Bile acid drainage by partial small bowel bypass or cholestyramine. Effects on serum cholesterol in Watanabe heritable hyperlipidemic rabbits. van Niekerk JL, et al. **Eur Surg Res** 1984;16(5):282–7

Colloid chemical aspects of pigment lithiasis in man: solubilization of calcium bilirubinate by bile salts (a preliminary report). Wosiewitz U, et al. **Hepatogastroenterology** 1983 Oct;30(5):184–7

Stereospecific synthesis of 3 beta–hydroxylated bile alcohols. Dayal B, et al. **J Lipid Res** 1984 Jun;25(6):646–50

Long–acting contraceptive agents: bile acid esters of norethisterone. Herz JE, et al. **Steroids** 1983 Mar; 41(3):327–31

ANALYSIS

A bioluminescent assay for 12–alpha–hydroxy bile acids using immobilized enzymes. Schoelmerich J, et al. **Anal Biochem** 1983 Aug;133(1):244–50

Analysis of individual bile acids and their glycine/taurine conjugates by high–performance thin–layer chromatography and densitometry. Robb TA, et al. **Ann Clin Biochem** 1984 Mar;21 (Pt 2):137–40

Duodenogastric bile reflux as measured by an isotope technique and its correlation with endoscopic findings. Niemelä S, et al. **Ann Clin Res** 1983 Aug;15(4):146–50

Correlation of bile acid composition between liver tissue and bile. Akashi Y, et al. **Clin Chim Acta** 1983 Sep 30; 133(2):125–32

Direct enzymic fluorimetric method for the determination of individual bile acids in bile. Papanastasiou–Diamandi A, et al. **Clin Chim Acta** 1983 Oct 31;134(1–2):17–23

Effects of synthetic steroid contraceptives on biliary lipid composition of normal Mexican women. Etchegoyen G, et al. **Contraception** 1983 Jun;27(6):591–603

Objective evaluation of symptomatic alkaline reflux after antrectomy. Ludwig S, et al. **Dig Dis Sci** 1984 Sep; 29(9):824–8

Faecal bile acid profiles in patients with large bowel cancer in Japan. Hikasa Y, et al. **Gut** 1984 Aug;25(8):833–8

Comparison of faecal bile acid profiles between patients with adenomatous polyps of the large bowel and healthy subjects in Japan. Tanida N, et al. **Gut** 1984 Aug;25(8):824–32

Preparation of enol–tert.–butyldimethylsilyl and mixed tert.–butyldimethylsilyl–trimethylsilyl ethers for gas chromatography—mass spectrometry of steroids and bile acids. Andersson SH, et al. **J Chromatogr** 1984 Apr 27; 289:195–206

Analysis of bile acids by micro high–performance liquid chromatography with postcolumn enzyme reaction and fluorometric detection. Ishii D, et al. **J Chromatogr** 1983 Dec 30;282:569–77

Relative capacity factors of some keto bile acids on a reversed–phase high–performance liquid chromatography system. Reid AD, et al. **J Chromatogr** 1983 Sep 30; 268(2):281–4

Rapid quantification on Chromarods of cholesterol, total bile salts and phospholipids from the same microliter sample of human gallbladder bile. Rigler MW, et al. **J Chromatogr** 1983 Oct 14;277:321–7

Measurement of conjugated bile acids by ion–pair high–performance liquid chromatography. Wildgrube HJ, et al. **J Chromatogr** 1983 Dec 30;282:603–8

Measurement of total bile acids in gastric juice. Collins BJ, et al. **J Clin Pathol** 1984 Mar;37(3):313–6

Relation between intragastric bile acid concentration and mucosal abnormality in the stomach after vagotomy and gastroenterostomy for duodenal ulcer. Watt PC, et al. **J Clin Pathol** 1984 May;37(5):506–10

Tauro–7 alpha, 12 alpha–dihydroxy–5 beta–cholanic acid as internal standard in the gas–liquid chromatographic analysis of bile acid methyl ester acetates. Ghoos Y, et al. **J Lipid Res** 1983 Oct;24(10):1376–9

Sex differences in gallbladder bile acid composition and hepatic steroid 12 alpha–hydroxylase activity in hamsters. Kuroki S, et al. **J Lipid Res** 1983 Dec;24(12):1543–9

General methods for the analysis of metabolic profiles of bile acids and related compounds in feces. Setchell KD, et al. **J Lipid Res** 1983 Aug;24(8):1085–100

The minor bile acids of the toad, Bufo vulgaris formosus. Une M, et al. **J Lipid Res** 1983 Nov;24(11):1468–74

Effect of short–term cimetidine administration on fecal bile acid losses in cystic fibrosis. Isenberg JN, et al. **J Pediatr Gastroenterol Nutr** 1983;2(3):447–51

Fecal and biliary bile acid patterns in children with bile acid malabsorption. Tazawa Y, et al. **J Pediatr Gastroenterol Nutr** 1984 Jun;3(3):378–84

Determination of the composition of mixed micelles of bile salts by kinetic dialysis. Lake M, et al. **Lipids** 1984 Jul; 19(7):553–7

Bile acid analysis: a rapid and sensitive gas–liquid chromatographic method. Bonazzi P, et al. **Pharmacol Res Commun** 1984 Jun;16(6):549–58

Biliary tract infection with anaerobes and the presence of free bile acids in bile. Shimada K, et al. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl 1:S147–51 (24 ref.)

Conjugated bile salts in gastric aspirates after gastric resection. Graffner H, et al. **Scand J Gastroenterol** 1984 Jan;19(1):116–8

Ciofibrate, caloric restriction, supersaturation of bile, and cholesterol crystals. Kesäniemi YA, et al. **Scand J Gastroenterol** 1983 Oct;18(7):897–902

Rapid photometric determination of free and esterified 3 alpha–hydroxy fecal bile acids. Beher WT, et al. **Steroids** 1983 Jun;41(6):729–40

[A rapid thin layer chromatographic–densitometric method for the routine quantitative determination of conjugated bile acids in duodenal juice without previous extraction] Senger H, et al. **Z Med Lab Diagn** 1984;25(1):52–5 (Ger)

[Tissue bile acids in the intestinal mucosa and colonic polyps] Nakajima T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Sep;80(9):1814 (Jpn)

[Relation between fat malabsorption and fecal bile acid excretion in patients with hepatobiliary diseases] Nakamura T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Mar; 81(3):900–6 (Eng. Abstr.) (Jpn)

[Plasma pancreatic glucagon in chronic liver disease, with special reference to comparison of 2 pancreatic

glucagon-specific antisera and effects of bile acids] Tsubouchi H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Aug;80(8):1610-6 (Eng. Abstr.) **(Jpn)**

[Correlation of biliary cholesterol, phospholipids and bile acid compositions and the development of cholesterol cholelithiasis in mice] Yamahara J, et al. **Nippon Yakurigaku Zasshi** 1983 Sep;82(3):171-80 (Eng. Abstr.) **(Jpn)**

[Comparative characteristics of photometric methods of determination of bile acids in the bile] Gaĭdaĭ VN, et al. **Lab Delo** 1984;(5):289-91 (Eng. Abstr.) **(Rus)**

[Bile acid content of the bile of newborn infants with hemolytic disease] Filippov ES, et al. **Pediatriia** 1984 Mar; (3):34-6 (Eng. Abstr.) **(Rus)**

[Clinical evaluation of the cholate-cholesterol coefficient in bile] Gromashevskaia LL, et al. **Sov Med** 1984;(3):23-6 (Eng. Abstr.) **(Rus)**

[Bile acids and cholesterol in the bile in biliary tract diseases] Miroshnichenko VP, et al. **Vrach Delo** 1984 Jul;(7):27-9 (Eng. Abstr.) **(Rus)**

[Quantification of bile acids and lysolecithin in gastric and duodenal ulcers] Calvo C, et al. **Rev Med Chil** 1983 Mar; 111(3):247-50 (Eng. Abstr.) **(Spa)**

ANTAGONISTS & INHIBITORS

Studies on the protective effect of deglycyrrhinised liquorice against aspirin (ASA) and ASA plus bile acid-induced gastric mucosal damage, and ASA absorption in rats. Russell RI, et al. **Scand J Gastroenterol [Suppl]** 1984; 92:97-100

BIOSYNTHESIS

Cholesterol and bile acid synthesis in two families with homozygous and heterozygous hypercholesterolemia. Miettinen TA. **Arteriosclerosis** 1984 Jul-Aug;4(4):383-8

Cholestyramine feeding in weaned rats. Increase in plasma corticosterone levels and bile acid synthesis following adrenalectomy. Hassan AS, et al. **Atherosclerosis** 1984 May-Jun;51(2-3):327-33

The effect of dibutyryladenosine 3',5'-monophosphate on the synthesis of bile salts in isolated hepatocytes from rat. Botham KM, et al. **Eur J Biochem** 1983 Nov 2;136(2):313-9

The effect of glucagon-induced adenosine 3' ,5' -monophosphate concentrations on bile acid synthesis in isolated rat liver cells. Botham KM, et al. **FEBS Lett** 1984 Mar 26;168(2):317-20

Effect of ursodeoxycholate and its taurine conjugate on bile acid synthesis and cholesterol absorption. Hardison WG, et al. **Gastroenterology** 1984 Jul;87(1):130-5

Transformation of 4-cholesten-3-one and 7 alpha-hydroxy-4-cholesten-3-one into cholestanol and bile acids in cerebrotendinous xanthomatosis. Salen G, et al. **Gastroenterology** 1984 Aug;87(2):276-83

Differences in the effects of chenodeoxycholic and ursodeoxycholic acid on biliary lipid secretion and bile acid synthesis in patients with gallstones. von Bergmann K, et al. **Gastroenterology** 1984 Jul;87(1):136-43

Regulation of hydroxylations in biosynthesis of bile acids. Isolation of a protein from rat liver cytosol stimulating reconstituted cholesterol 7 alpha-hydroxylase activity. Danielsson H, et al. **J Biol Chem** 1984 Apr 10; 259(7):4258-62

Hydroxylations in biosynthesis of bile acids. Isolation of a cytochrome P-450 from rabbit liver mitochondria catalyzing 26-hydroxylation of C27-steroids. Wikvall K. **J Biol Chem** 1984 Mar 25;259(6):3800-4

Regulation of bile acid synthesis in man. Presence of a diurnal rhythm. Duane WC, et al. **J Clin Invest** 1983 Dec; 72(6):1930-6

Evidence for a lack of regulatory importance of the 12 alpha-hydroxylase in formation of bile acids in man: an in vivo study. Björkhem I, et al. **J Lipid Res** 1983 Nov; 24(11):1451-6

The economy of the enterohepatic circulation of bile acids in the baboon. 2. Regulation of bile acid synthesis by enterohepatic circulation of bile acids. Redinger RN. **J Lipid Res** 1984 May;25(5):437-47

Synthesis of four diastereoisomers at carbons 24 and 25 of 3 alpha,7 alpha,12 alpha,24-tetrahydroxy-5 beta-cholestan-26-oic acid, intermediates of bile acid biosynthesis. Une M, et al. **J Lipid Res** 1983 Jul;24(7):924-9

Quantity and type of dietary fat influence liver synthesis of bile salts. **Nutr Rev** 1984 Apr;42(4):170-1 (11 ref.)

Mechanism and regulation of hepatic bile production. With special reference to the bile acid-independent canalicular bile formation. Thomsen O. **Scand J Gastroenterol [Suppl]** 1984;97:1-52

[Mechanism of carbon-carbon bond cleavage in steroid biosynthesis (II)] Ikekawa N, et al. **Tanpakushitsu Kakusan Koso** 1983 Nov;28(12):1304-20 (220 ref.) **(Jpn)**

[The role of different pathways of mevalonate synthesis in the regulation of sterol and bile acid synthesis in the mammalian liver] Poliakova ED, et al. **Ukr Biokhim Zh** 1984 May-Jun;56(3):268-75 (Eng. Abstr.) **(Rus)**

BLOOD

Serum total bile acid levels in patients receiving rifampicin and isoniazid. Berg JD, et al. **Ann Clin Biochem** 1984 May; 21 (Pt 3):218-22

Chenodeoxycholic acid administration monitored by serum bile acid profiles: a dose-response study. Whiting MJ, et al. **Ann Clin Biochem** 1983 Nov;20 (Pt 6):336-40

Effect of a standard test meal on serum bile acid levels in healthy nonpregnant and pregnant women and in patients with intrahepatic cholestasis of pregnancy. Heikkinen J. **Ann Clin Res** 1983;15(5-6):183-8

Raised serum bile acid concentrations after occupational exposure to styrene: a possible sign of hepatotoxicity? Edling C, et al. **Br J Ind Med** 1984 May;41(2):257-9

Two biological sources of 3 alpha-hydroxysteroid dehydrogenase used to measure total bile acids in serum [letter] Berg JD, et al. **Clin Chem** 1984 Jan;30(1):155-6

Effect of protein on determination of total bile acids in serum is minimized by preheating the sample [letter] Linnet K. **Clin Chem** 1983 Oct;29(10):1871-2

Continuous-flow determination of primary bile acids, by bioluminescence, with use of nylon-immobilized bacterial enzymes. Roda A, et al. **Clin Chem** 1984 Feb;30(2):206-10

Total fasting serum bile acids and beta-hexosaminidase in alcoholic liver disease. Joelsson B, et al. **Clin Chim Acta** 1984 Jan 31;136(2-3):203-9

A bioluminescence assay for total 3 alpha-hydroxy bile acids in serum using immobilized enzymes. Schoelmerich J, et al. **Clin Chim Acta** 1984 Feb 14;137(1):21-32

Concentration of serum bile acids as an index of hepatic damage in systemic lupus erythematosus. Altomonte L, et al. **Clin Rheumatol** 1984 Jun;3(2):209-12

Serum bile acid levels in children with chronic persistent hepatitis and chronic aggressive hepatitis. Jara P, et al. **Digestion** 1983;27(2):81-6

Serum concentrations of bile acid glucuronides in hepatobiliary diseases. Takikawa H, et al. **Digestion** 1983; 27(4):189-95

Systemic spill-over of bile acids. van Berge-Henegouwen GP, et al. **Eur J Clin Invest** 1983 Dec;13(6):433-7 (55 ref.)

Role of portal and splenic vein shunts and impaired hepatic extraction in the elevated serum bile acids in liver cirrhosis. Ohkubo H, et al. **Gastroenterology** 1984 Mar;86(3):514-20

Guar gum and bile: effects on postprandial gallbladder contraction and on serum bile acids in man. Hansen WE, et al. **Hepatogastroenterology** 1983 Aug;30(4):131-3

Serum primary bile acids in chronic alcoholic pancreatitis. Scuro LA, et al. **Hepatogastroenterology** 1983 Oct; 30(5):194-7

Diagnostic effectiveness of serum bile acids in liver diseases as evaluated by multivariate statistical methods. Festi D, et al. **Hepatology** 1983 Sep-Oct;3(5):707-13

Bioluminescence assays for bile acids in the detection and follow-up of experimental liver injury. Schölmerich J, et al. **Hepatology** 1984 Jul-Aug;4(4):639-43

Postoperative changes of serum bile acid levels in a case with massive hepatic resection. Harada M, et al. **Hiroshima J Med Sci** 1983 Dec;32(4):383-7

Maternal serum bile acid levels and fetal distress in cholestasis of pregnancy. Laatikainen T, et al. **Int J Gynaecol Obstet** 1984 Apr;22(2):91-4

Effect of oral contraception on serum bile acid. Shaaban MM, et al. **Int J Gynaecol Obstet** 1984 Apr;22(2):111-5

Studies on steroids. CLXXXVII. Determination of serum bile acids by high-performance liquid chromatography with fluorescence labeling. Goto J, et al. **J Chromatogr** 1983 Sep 9;276(2):289-300

A highly sensitive determination of individual serum bile acids using high-performance liquid chromatography with immobilized enzyme. Hasegawa S, et al. **J Chromatogr** 1983 Nov 11;278(1):25-34

Colorimetric enzymatic measurement of serum total 3 alpha-hydroxy bile acid concentrations without extraction. Qureshi MY, et al. **J Clin Pathol** 1984 Mar;37(3):317-20

Serum bile acid patterns determined by an enzymatic method and high-performance liquid chromatography in young infants with cholestasis. Tazawa Y, et al. **J Pediatr Gastroenterol Nutr** 1984 Jun;3(3):394-401

Serum total bile acids monitoring after experimental orthotopic liver transplantation. Visser JJ, et al. **J Surg Res** 1984 Feb;36(2):147-53

Effect of age on plasma bile acids and lipid components in the rat. Suzuki H, et al. **Lipids** 1983 Sep;18(9):658-60

Changes in serum bile acids during treatment with chenodiol or ursodiol for dissolution of cholesterol gallstones. Nowak M, et al. **Mt Sinai J Med (NY)** 1983 May-Jun;50(3):240-4

Analysis of serum bile acids in patients with various types of muscular dystrophy [letter] Tanaka K, et al. **Muscle Nerve** 1983 Oct;6(8):606-7

Are serum measurements of bile acids useful? Van Berge Henegouwen GP, et al. **Neth J Med** 1983;26(10):309-13 (41 ref.)

Sinus bradycardia in obstructive jaundice--correlation with total serum bile acid concentrations. Song E, et al. **S Afr Med J** 1983 Sep 28;64(14):548-51

Bile acids in plasma of patients without kidneys. Bremmelgaard A. **Scand J Clin Lab Invest** 1983 Nov; 43(7):603-7

Total serum bile acids, gamma-glutamyl transferase, prealbumin, and tyrosine: sensitive serum markers of hepatic dysfunction in alcoholic liver cirrhosis. Joelsson B, et al. **Scand J Gastroenterol** 1983 May;18(4):497-501

Cholecystokinin-stimulated and postprandial serum concentrations of bile acids in alcoholic liver cirrhosis. Kelbaek H, et al. **Scand J Gastroenterol** 1984 Jul; 19(5):655-60

Fasting and postprandial serum concentrations of glycine- and taurine-conjugated bile acids in Crohn's disease. Linnet K, et al. **Scand J Gastroenterol** 1983 May;18(3):433-8

Diagnostic values of fasting and postprandial concentrations in serum of 3 alpha-hydroxy-bile acids and gamma-glutamyl transferase in hepatobiliary disease. Linnet K, et al. **Scand J Gastroenterol** 1983 Jan;18(1):49-56

The significance of serum bile acid concentrations as indicator of hepatic dysfunction in the mini-pig. Kroker R, et al. **Zentralbl Veterinarmed [A]** 1984 May;31(4):287-95

[Effect of guar on gallbladder contraction and bile salt concentration] Hansen WE, et al. **Beitr Infusionther Klinis Ernahr** 1983;12:61-7 **(Ger)**

[Serum bile acids in chronic liver disease. II: liver cirrhosis] Santese R, et al. **G Clin Med** 1983 Jul-Aug;64(7-8):225-33 (Eng. Abstr.) **(Ita)**

[Behavior of bile acids in the blood in chronic hepatic diseases. I. Chronic hepatitis] Vai C, et al. **G Clin Med** 1983 May-Jun;64(5-6):182-91 (Eng. Abstr.) **(Ita)**

[Serum bile acids in dyslipidemic patients] Altomonte L, et al. **Minerva Med** 1984 Apr 7;75(14-15):807-9 (Eng. Abstr.) **(Ita)**

[Clinico-diagnostic significance of the determination of bile acids in chronic liver diseases] Andreuzzi B, et al. **Minerva Med** 1984 Mar 31;75(13):749-56 (Eng. Abstr.) **(Ita)**

[Determination of serum bile acids in hepatobiliary diseases. Clinical applicability] Pagani A, et al. **Minerva Med** 1984 Jan 28;75(3-4):99-107 (Eng. Abstr.) **(Ita)**

[Artificial liver support system: removal of bilirubin and bile acids by hemoperfusion with ionex-column] Hamaguchi M. **Nippon Geka Gakkai Zasshi** 1983 Jan;84(1):63-73 (Eng. Abstr.) **(Jpn)**

[Serum bile acids in chronic liver diseases] Socha J, et al. **Pediatr Pol** 1983 Mar;58(3):263-9 (Eng. Abstr.) **(Pol)**

[Usefulness of the determination of bile acids in the blood and antipyrine elimination in the diagnosis of minimal liver damage] Habior A. **Przegl Lek** 1983;40(5):431-4 (Eng. Abstr.) **(Pol)**

[Effect of bile acids on the permeability of erythrocyte membranes] Ganitkevich IaV, et al. **Fiziol Zh** 1983 Sep-Oct;29(5):625-8 **(Rus)**

[Serum levels of bile acids during treatment of mechanical jaundice by the hemosorption method] Andreĭman LA, et al. **Klin Med (Mosk)** 1983 Jul;61(7):74-7 (Eng. Abstr.) **(Rus)**

[Bile acid metabolism in patients with chronic hepatitis and liver cirrhosis] Klemashev IS, et al. **Sov Med** 1984;(6):44-6 (Eng. Abstr.) **(Rus)**

[Cholacidemia characteristics of patients with biliary dyskinesia] Slivka Ola, et al. **Vrach Delo** 1984 Jul;(7):22-4 (Eng. Abstr.) **(Rus)**

[Serum bile acids in acute viral hepatitis, and the effect of prednisone] Glasinović JC, et al. **Rev Med Chil** 1984 Jan; 112(1):8-12 (Eng. Abstr.) **(Spa)**

[Clinical usefulness of the determination of serum bile acids] Marinović I, et al. **Rev Med Chil** 1983 Oct;111(10):1051-6 (Eng. Abstr.) **(Spa)**

CHEMICAL SYNTHESIS

Photolabile derivatives of bile salts. Synthesis and suitability for photoaffinity labeling. Kramer W, et al. **J Lipid Res** 1983 Jul;24(7):910-23

New bile acid analogs: 3 alpha, 7 alpha-dihydroxy-7 beta-methyl-5 beta-cholanoic acid, 3 alpha, 7 beta-dihydroxy-7 alpha-methyl-5 beta-cholanoic acid, and 3 alpha-hydroxy-7 xi-methyl-5 beta-cholanoic acid. Une M, et al. **J Lipid Res** 1984 Apr;25(4):407-10

Synthesis and spectroscopic analysis of modified bile salts. Ballatore AM, et al. **Steroids** 1983 Feb;41(2):197-206

The preparation of bile acid amides and oxazolines. II. The synthesis of the amides and oxazolines of ursodeoxycholic acid, deoxycholic acid, hyodeoxycholic acid and cholic acid. Cohen BI, et al. **Steroids** 1982 Dec;40(6):701-11

Improved synthesis of 3-keto, 4-ene-3-keto, and 4,6-diene-3-keto bile acids. Leppik RA. **Steroids** 1983 Apr; 41(4):475-84

Bile acids. LXVIII. Allylic and benzylic photo-chemical oxidation of steroids. Tal DM, et al. **Steroids** 1983 May; 41(5):683-92

ISOLATION & PURIFICATION

Alkaline butanol extraction of bile salt and steroid sulfate esters: application to the assay of sulfotransferases. Barnes S, et al. **Anal Biochem** 1983 Sep;133(2):470-5

Ion-pair extraction of bile acids with Lipidex gel. Dyfverman A, et al. **Anal Biochem** 1983 Oct 15;134(2):303-8

Microanalysis of free and conjugated bile acids by thin-layer chromatography and in situ spectrofluorimetry. Van den Ende A, et al. **Anal Biochem** 1983 Oct 1;134(1):153-62

Reversed-phase high-performance thin-layer chromatography of free and conjugated bile acids. Lepri L, et al. **J Chromatogr** 1984 Apr 24;288(2):461-8

Determination of conjugated bile acids in human bile by isotachophoresis in a non-aqueous solvent using a.c. conductivity and UV detection. Reijenga JC, et al. **J Chromatogr** 1983 Sep 2;267(1):85-9

METABOLISM

Phototherapy-associated diarrhea. The role of bile salts. Berant M, et al. **Acta Paediatr Scand** 1983 Nov;72(6):853-5

Effect of streptozotocin-induced diabetes on bile acid

sulfation in male rat liver. Kirkpatrick RB, et al. **Am J Physiol** 1984 Sep;247(3 Pt 1):G226–30

Intracellular bile acid transport in rat liver as visualized by electron microscope autoradiography using a bile acid analogue. Suchy FJ, et al. **Am J Physiol** 1983 Nov;245(5 Pt 1):G681–9

A rapid and sensitive method for the assay of UDP–glucuronosyltransferase activity toward bile acids. Matern H, et al. **Anal Biochem** 1983 Sep;133(2):417–24

Biotransformation of linoleic acid and bile acids by Eubacterium lentum. Eyssen H, et al. **Appl Environ Microbiol** 1984 Jan;47(1):39–43

7 alpha–Dehydroxylation of bile acids by resting cells of a Eubacterium lentum–like intestinal anaerobe, strain c–25. Masuda N, et al. **Appl Environ Microbiol** 1984 Apr; 47(4):735–9

Comparison of antacids on the binding of bile salts. Cousar GD, et al. **Arch Surg** 1984 Sep;119(9):1018–20

Changes of the pattern of biliary bile acids during isolated rat liver perfusion. Schoelmerich J, et al. **Biochem Biophys Res Commun** 1983 Sep 15;115(2):518–24

The effects of colchicine on secretion into bile of bile salts, phospholipids, cholesterol and plasma membrane enzymes: bile salts are secreted unaccompanied by phospholipids and cholesterol. Barnwell SG, et al. **Biochem J** 1984 Jun 15; 220(3):723–31

Effect of streptozotocin–induced diabetes in neonatal rat on bile acid pool changes in adult life: selective sensitivity in females. Wey HE, et al. **Biochem Med** 1984 Apr; 31(2):167–73

Effect of ML–236B (compactin) on biliary excretion of bile salts and lipids, and on bile flow, in the rat. Kempen HJ, et al. **Biochim Biophys Acta** 1984 Jul 26;794(3):435–43

Abnormal bile acid pool and composition in neonates of spontaneously diabetic Wistar BB rats and its change during development. Subbiah MT, et al. **Biochim Biophys Acta** 1984 Jul 26;794(3):355–60

3'–Isothiocyanatobenzamido[3H]cholate, a new affinity label for hepatocellular membrane proteins responsible for the uptake of both bile acids and phalloidin. Ziegler K, et al. **Biochim Biophys Acta** 1984 Jun 13;773(1):11–22

Excretory pattern of bile during phototherapy. Berant M, et al. **Biol Neonate** 1984;45(1):11–6

Effect of high vitamin A or tocopherol intake on hepatic lipid metabolism and intestinal absorption and secretion of lipids and bile acids in the chick. Sklan D. **Br J Nutr** 1983 Sep;50(2):409–16

Bile acid deconjugation and attachment of chicken gut bacteria: their possible role in growth depression. Cole CB, et al. **Br Poult Sci** 1984 Apr;25(2):227–31

Detection of increased bile acid excretion by determination of bile acid content in single stool samples. Kalek HD, et al. **Clin Chim Acta** 1984 Jun 27;140(1):85–90

Zellweger's cerebro–hepato–renal syndrome—variations in expressivity and in defects of bile acid synthesis. Gustafsson J, et al. **Clin Genet** 1983 Nov;24(5):313–9

The biliary excretion of sulphated and non–sulphated bile acids and bilirubin in patients with external bile drainage. Dooley JS, et al. **Clin Sci** 1984 Jul;67(1):61–8

Uptake of bile acids into rat intestine. Effect of diabetes mellitus. Thomson AB. **Diabetes** 1983 Oct;32(10):900–7

In vitro adsorption of bile salts and aspirin to sucralfate. Graham DY, et al. **Dig Dis Sci** 1984 May;29(5):402–6

Morphological disruption of colonic mucosa by free or cholestyramine–bound bile acids. Vahouny GV, et al. **Dig Dis Sci** 1984 May;29(5):432–42

Effect of oat bran on lithogenic index of bile and bile acid metabolism. Arffmann S, et al. **Digestion** 1983; 28(3):197–200

Development of the bile acid pool in rats from neonatal life through puberty to maturity. Morris AI, et al. **Digestion** 1983;28(4):216–24

Effect of endoscopic sphincterotomy on bile acid pool size and bile lipid composition in man. Sauerbruch T, et al. **Digestion** 1983;27(2):87–92

Portal–systemic spill–over of bile acids: a study of mechanisms using ursodeoxycholic acid. Miescher G, et al. **Eur J Clin Invest** 1983 Dec;13(6):439–45

Biliary secretion and hepatic metabolism of taurine–conjugated 7 alpha–hydroxy and 7 beta–hydroxy bile acids in the dog. Defective hepatic transport and bile hyposecretion. Nakagaki M, et al. **Gastroenterology** 1984 Sep;87(3):647–59

Comparative effects of ursodeoxycholic acid and chenodeoxycholic acid on bile acid kinetics and biliary lipid secretion in humans. Evidence for different modes of action on bile acid synthesis. Nilsell K, et al. **Gastroenterology** 1983 Dec;85(6):1248–56

Variations in concentrating function of the gallbladder in the conscious monkey. Svanvik J, et al. **Gastroenterology** 1984 May;86(5 Pt 1):919–25

Bile, bacteria and bowel cancer [editorial] Hill MJ. **Gut** 1983 Oct;24(10):871–5

Sulphated bile acids in duodenal juice of healthy infants and children compared with sulphated bile acids in paediatric patients with various gastroenterological diseases. Niessen KH, et al. **Gut** 1984 Jan;25(1):26–31

Effect of intrajejunal acidity on aqueous phase bile acid and lipid concentrations in pancreatic steatorrhoea due to cystic fibrosis. Zentler–Munro PL, et al. **Gut** 1984 May; 25(5):500–7

Effect of intrajejunal acidity on lipid digestion and aqueous solubilisation of bile acids and lipids in health, using a new simple method of lipase inactivation. Zentler–Munro PL, et al. **Gut** 1984 May;25(5):491–9

Hepatic transport of sulfated and nonsulfated bile acids in the rat following relief of bile duct obstruction. Cleland DP, et al. **Hepatology** 1984 May–Jun;4(3):477–85

Influence of hydroxylation and conjugation of bile salts on their membrane–damaging properties—studies on isolated hepatocytes and lipid membrane vesicles. Schölmerich J, et al. **Hepatology** 1984 Jul–Aug;4(4):661–6

Effect of ursodeoxycholic acid on biliary bile acid and bile lipid composition in gallstone patients. Stiehl A, et al. **Hepatology** 1984 Jan–Feb;4(1):107–11

Bile acids in ascites of a case with liver cirrhosis. Harada M, et al. **Hiroshima J Med Sci** 1983 Sep;32(3):281–4

Bile–acid binding to isolated rat liver plasma membranes. Failure to find a specific binding site. Bellentani S, et al. **Hoppe Seylers Z Physiol Chem** 1984 Mar;365(3):357–63

Characterization of the interaction between beta 2–glycoprotein I and mitochondria, platelets, liposomes and bile acids. Schousboe I. **Int J Biochem** 1983;15(12):1393–401

Intestinal uptake of bile acids: effect of external abdominal irradiation. Thomson AB, et al. **Int J Radiat Oncol Biol Phys** 1984 May;10(5):671–85

Glucuronidation of bile acids by rat liver 3–OH androgen UDP–glucuronyltransferase. Kirkpatrick RB, et al. **J Biol Chem** 1984 May 25;259(10):6176–80

The role of human growth hormone in the regulation of cholesterol and bile acid metabolism. Heubi JE, et al. **J Clin Endocrinol Metab** 1983 Nov;57(5):885–91

Effects of acute changes of bile acid pool composition on biliary lipid secretion. Carulli N, et al. **J Clin Invest** 1984 Aug;74(2):614–24

Hepatic and extrahepatic glucuronidation of bile acids in man. Characterization of bile acid uridine 5'–diphosphate–glucuronosyltransferase in hepatic, renal, and intestinal microsomes. Matern S, et al. **J Clin Invest** 1984 Aug;74(2):402–10

Lack of effect of experimental ascorbic acid deficiency on bile acid metabolism, sterol balance, and biliary lipid composition in man. Duane WC, et al. **J Lipid Res** 1983 Sep;24(9):1186–95

26–hydroxycholesterol: regulation of hydroxymethylglutaryl–CoA reductase activity in Chinese hamster ovary cell culture. Esterman AL, et al. **J Lipid Res** 1983 Oct;24(10):1304–9

Effect of bile acid oxazoline derivatives on microorganisms participating in 7 alpha–hydroxyl epimerization of primary bile acids. Macdonald IA, et al. **J Lipid Res** 1983 Dec; 24(12):1550–9

Kinetics and thermodynamics of the formation of mixed micelles of egg phosphatidylcholine and bile salts. Rajagopalan N, et al. **J Lipid Res** 1984 Feb;25(2):135–47

The economy of the enterohepatic circulation of bile acids in the baboon. 1. Studies of controlled enterohepatic circulation of bile acids. Redinger RN, et al. **J Lipid Res** 1984 May;25(5):428–36

Changes in biliary and fecal bile acids in mice after treatments with diosgenin and beta–sitosterol. Uchida K, et al. **J Lipid Res** 1984 Mar;25(3):236–45

Long–term effects of inadequate and excessive dietary ascorbate on bile acid metabolism in the guinea pig. Holloway DE, et al. **J Nutr** 1984 Aug;114(8):1370–6

Influence of maternal cholestyramine treatment on cholesterol and bile acid metabolism in adult offspring. Innis SM. **J Nutr** 1983 Dec;113(12):2464–70

Bile–salt–stimulated lipase of human milk and fat digestion in the preterm infant. Hamosh M. **J Pediatr Gastroenterol Nutr** 1983;2 Suppl 1(Suppl 1):S248–51

Bile–salt–stimulated lipase of human milk and lipid digestion in the neonatal period. Hernell O, et al. **J Pediatr Gastroenterol Nutr** 1983;2 Suppl 1(Suppl 1):S242–7

Nature of bile acids in the fetus and newborn infant. Lester R, et al. **J Pediatr Gastroenterol Nutr** 1983;2 Suppl 1(Suppl 1):S197–206

Intestinal absorption of dl–alpha–tocopherol from bile salts and polysorbate 80 micellar solutions in rat. Imai J, et al. **J Pharmacobiodyn** 1983 Dec;6(12):897–902

Effects of sodium ursodeoxycholate, hyodeoxycholate and dehydrocholate on cholesterol and bile acid metabolism in rats. Uchida K, et al. **J Pharmacobiodyn** 1983 May; 6(5):346–57

Insulin facilitates formation of taurine–conjugated bile acids—analysis using primary cultured hepatocytes. Ohkuma S, et al. **Jpn J Pharmacol** 1984 Apr;34(4):475–9

Regulation and interaction of cholesterol, bile salt and lipoprotein synthesis in liver. Barth CA. **Klin Wochenschr** 1983 Dec 1;61(23):1163–70 (66 ref.)

Effect of biliary pressure versus high bile acid flux on the permeability of hepatocellular tight junction. Toyota N, et al. **Lab Invest** 1984 May;50(5):536–42

Hydroxylation of secondary bile acids in the perfused prairie dog liver. Cohen BI, et al. **Lipids** 1983 Dec;18(12):909–12

Effects of jejunoileal bypass on the enterohepatic circulation of bile acids, bacterial flora in the upper small intestine, and absorption of vitamin B12. Fromm H, et al. **Metabolism** 1983 Dec;32(12):1133–41

Feeding the low–birth–weight infant. III. Diet influences bile acid metabolism. Järvenpää AL, et al. **Pediatrics** 1983 Nov; 72(5):677–83

Feeding the low–birth–weight infant. IV. Fat absorption as a function of diet and duodenal bile acids. Järvenpää AL. **Pediatrics** 1983 Nov;72(5):684–9

Identity of hepatic membrane transport systems for bile salts, phalloidin, and antamanide by photoaffinity labeling. Wieland T, et al. **Proc Natl Acad Sci USA** 1984 Aug; 81(16):5232–6

Effect of chenodeoxycholic acid feeding during gestation in the rat on bile acid metabolism and liver morphology. Sprinkle DJ, et al. **Proc Soc Exp Biol Med** 1984 Mar; 175(3):386–97

The pharmacokinetics of 99mTc HIDA in man and its relationship to intra–gastric bile acids. Harding LK, et al. **Scand J Gastroenterol [Suppl]** 1984;92:27–9

Intragastric bile acid and lysolecithin in gastroduodenal ulcer and gastric cancer. Schumpelick V, et al. **Scand J Gastroenterol [Suppl]** 1984;92:172–7

Bile acid metabolism: its relation to clinical disease. Berry W, et al. **Semin Liver Dis** 1983 Nov;3(4):330–40 (119 ref.)

Metabolism of bile acid oxazoline derivatives by hepatocyte monolayer cultures and intestinal anaerobic bacteria. Hylemon PB, et al. **Steroids** 1983 Jul;42(1):105–14

[The effect of beginning feeding on physiological cholestasis in newborn infants] Jirsová V, et al. **Cesk Pediatr** 1983 Jul;38(7):390–1 (Eng. Abstr.) **(Cze)**

[Effect of a plant extract combination preparation on gastrointestinal transit time and bile acid excretion] Matzkies F, et al. **Fortschr Med** 1983 Jul 28; 101(27–28):1304–6 (Eng. Abstr.) **(Ger)**

[Cholecystectomy and cancer of the colon. Initial clinical data] Abonante S, et al. **Minerva Chir** 1983 Nov 15; 38(21):1849–51 **(Ita)**

[The correlation between the biliary excretion of cefmetazole and the bile acid metabolism in postoperative patients with biliary atresia] Miyano T, et al. **Jpn J Antibiot** 1984 Feb; 37(2):243–6 (Eng. Abstr.) **(Jpn)**

[Effect of bile acid on solubility of excess CACO3 in gallbladder bile] Makino I, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Jun;80(6):1351 **(Jpn)**

[Impaired absorption of bile acid in inflammatory bowel disease. Investigation by oral bile acid tolerance test] Sasaki E. **Nippon Shokakibyo Gakkai Zasshi** 1984 May; 81(5):1191–200 (Eng. Abstr.) **(Jpn)**

[Biosynthesis of mevalonic acid, sterols and bile acids from acetyl–CoA and malonyl–CoA in the human liver] Klimov AN, et al. **Biokhimiia** 1983 Nov;48(11):1862–9 (Eng. Abstr.) **(Rus)**

[The system of active transport of organic acids in the proximal tubules of rats with hereditary retinal degeneration (Campbell strain)] Bresler VM, et al. **Biull Eksp Biol Med** 1983 Nov;96(11):14–6 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Influence of bile acids on cholera toxin–induced secretion in mouse jejunum. Lange S, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1983 Aug; 91(4):215–20

Differing effects of hydroxy–7–oxotaurine–conjugated bile acids on bile flow and biliary lipid secretion in dogs. Danzinger RG, et al. **Am J Physiol** 1984 Feb;246(2 Pt 1):G166–72

Purification of human milk bile salt–activated lipase. Wang CS, et al. **Anal Biochem** 1983 Sep;133(2):457–61

Studies of the relationship between the catalytic activity and binding of non–substrate ligands by the glutathione S–transferases. Boyer TD, et al. **Biochem J** 1984 Jan 1; 217(1):179–85

Interaction between bile acids and staphylococcal polysaccharide: inhibition of capsule formation in encapsulated mutant strains (taurine+, taurine–) of Staphylococcus aureus. Ohtomo T. **Can J Microbiol** 1983 Dec;29(12):1653–60

Structure–activity relationship amongst biliary acids showing comutagenic activity towards 1,2–dimethylhydrazine. Wilpart M, et al. **Carcinogenesis** 1983 Oct;4(10):1239–41

Effect of bile salts on the rectal absorption of sodium ampicillin in rats. Murakami T, et al. **Chem Pharm Bull (Tokyo)** 1984 May;32(5):1948–55

Bile salts, hypotension and obstructive jaundice. Bomzon A, et al. **Clin Sci** 1984 Aug;67(2):177–83

Effects of bile salts on permeability and morphology of main pancreatic duct in cats. Farmer RC, et al. **Dig Dis Sci** 1984 Aug;29(8):740–51

Parenterally administered salivary tissue extracts reduce outputs of Na+ and K+ associated with bile salt–induced damage of rat oxyntic mucosa. Tepperman BL, et al. **Dig Dis Sci** 1984 Jan;29(1):56–64

The effect of jaundiced sera and bile salts on cultured beating rat heart cells. Bogin E, et al. **Experientia** 1983 Nov 15; 39(11):1307–8

Stimulation of ornithine decarboxylase activity and DNA synthesis by phorbol esters or bile acids in rat colon. Takano S, et al. **Gann** 1984 Jan;75(1):29–35

Efficiency of various bile salt preparations for stimulation of Clostridium difficile spore germination. Wilson KH. **J Clin Microbiol** 1983 Oct;18(4):1017–9

Role of hydrophilic bile acids and of sterols on cholelithiasis in the hamster. Singhal AK, et al. **J Lipid Res** 1984 Jun; 25(6):564–70

Effect of bile acid feeding on hepatic steroid 12

alpha-hydroxylase activity in hamsters. Kuroki S, et al. **Lipids** 1983 Nov;18(11):789-94

Studies on bile-salt-stimulated lipolytic activity in human milk. II Demonstration of two groups of milk with different activities. Hall B, et al. **Pediatr Res** 1983 Sep;17(9):716-20

Bile salt-stimulated lipase and esterase activity in human milk after collection, storage, and heating: nutritional implications. Wardell JM, et al. **Pediatr Res** 1984 Apr; 18(4):382-6

Enhancement of maximal bilirubin excretion by bile salts in the anaesthetized rabbit. Esteller A, et al. **Q J Exp Physiol** 1984 Apr;69(2):217-25

A comparison of the effect of bile salts on maximal hepatic excretion of certain organic anions in the rabbit under urethane and pentobarbitone. Esteller A, et al. **Q J Exp Physiol** 1984 Apr;69(2):227-34

Effect of pentobarbital anesthesia and bile acids on cysteamine-induced duodenal and gastric ulcers in rats. Schwedes U, et al. **Scand J Gastroenterol [Suppl]** 1984; 92:121-4

[Biochemical and morphologic studies on the effect of bile acids on the epithelium of the rat jejunum] Bossmann B, et al. **Acta Histochem (Jena)** 1984;74(2):217-34 (Eng. Abstr.) **(Ger)**

[Screening of effective agents for decreasing microorganism resistance to antibiotics] Klimniuk SI. **Antibiotiki** 1984 Mar; 29(3):182-4 (Eng. Abstr.) **(Rus)**

[Combined action of nitrofuran preparations and bile acids on staphylococci] Tkachuk NI. **Antibiotiki** 1984 Mar; 29(3):188-91 (Eng. Abstr.) **(Rus)**

[Effect of bile and bile acids on bacterial resistance to antibiotics] Tvorko MS, et al. **Antibiotiki** 1984 Apr; 29(4):257-60 (Eng. Abstr.) **(Rus)**

[Mechanism of the choleretic effect of bile acids] Esipenko BE, et al. **Fiziol Zh** 1983 Sep-Oct;29(5):590-4 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

The lipid-lowering effects of 3-hydroxy-3-methylglutaric acid and bile acid drainage in WHHL rabbits. van Niekerk JL, et al. **Clin Sci** 1984 Oct;67(4):439-44

Sodium absorption with bacterial fatty acids and bile salts in the proximal and distal colon as a guide to colonic resection. Roediger WE, et al. **Dis Colon Rectum** 1984 Jan; 27(1):1-5

Portacaval shunt and measurement of canine bile acid enterohepatic circulation: effects of cholecystectomy. Beher WT, et al. **Steroids** 1983 Jun;41(6):719-28

Impairment of human lymphocyte function by bile salts. Keane RM, et al. **Surgery** 1984 Apr;95(4):439-43

SECRETION

The role of conjugation reactions in enhancing biliary secretion of bile acids. Vessey DA, et al. **Biochem J** 1983 Sep 15;214(3):923-7

Effect of increased bile flow and bile acid secretion on the hepatic elimination of sodium valproate in the cat. Marshall AW, et al. **Clin Exp Pharmacol Physiol** 1984 May-Jun; 11(3):309-17

Fasting canine biliary secretion and the sphincter of Oddi. Scott RB, et al. **Gastroenterology** 1984 Oct;87(4):793-804

Induction of taurocholate release from isolated rat hepatocytes in suspension by alpha-adrenergic agents and vasopressin: implications for control of bile salt secretion. Gewirtz DA, et al. **Hepatology** 1984 Mar-Apr;4(2):205-12

Bile flow, bile salt secretion and the excretion of iron, copper, zinc and manganese in the bile of calves infected with Fasciola hepatica. Symonds HW, et al. **Res Vet Sci** 1983 Jul;35(1):69-74

The role of bile salts in cysteamine-induced duodenal ulcer in the rat and the ulceroprotective property of lysolecithin. Clémençon GH, et al. **Scand J Gastroenterol [Suppl]** 1984; 92:116-20

[Comparative studies of various methods of measuring bile acid secretion using 75Se-labelled homotaurocholic acid (75Se-HCAT)] Freundlieb O, et al. **Nuklearmedizin** 1983 Oct;22(5):258-61 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Endotoxaemia in obstructive jaundice [letter] Thompson JN, et al. **Br J Surg** 1984 Mar;71(3):247-8

TOXICITY

Biochemical and morphological investigations of the toxicity of a Capmul preparation and a bile salt-EDTA solution in patients with bile duct stones. Leuschner U, et al. **Am J Gastroenterol** 1984 Apr;79(4):291-8

Mitotic aneuploidy as a possible mechanism for tumour promoting activity in bile acids. Ferguson LR, et al. **Carcinogenesis** 1984 Apr;5(4):447-51

Effect of topical bile acids on gastric surface epithelial cells. Carter KJ, et al. **Surgery** 1984 Aug;96(2):196-203

URINE

Unconjugated, glycine-conjugated, taurine-conjugated bile acid nonsulfates and sulfates in urine of young infants with cholestasis. Tazawa Y, et al. **Acta Paediatr Scand** 1984 May; 73(3):392-7

Urinary bile acid and bile alcohol excretion does not reflect the genetic polymorphism of debrisoquine hydroxylation. Karlaganis G, et al. **Br J Clin Pharmacol** 1984 Apr; 17(4):470-3

Urinary concentrations of bile acid glucuronides and sulfates in hepatobiliary diseases. Takikawa H, et al. **Gastroenterol Jpn** 1984 Apr;19(2):104-9

The isolation of tetrahydroxy bile acids as methyl esters from human urine and their characterization by 1H- and 13C-nuclear magnetic resonance spectroscopy. Back P, et al. **Hoppe Seylers Z Physiol Chem** 1984 Apr;365(4):479-84

BILE ALCOHOLS see **CHOLESTANOLS**

BILE CANALICULI see under **BILE DUCTS, INTRAHEPATIC**

BILE DUCT DISEASES

CHEMICALLY INDUCED

[Role of formalin in the occurrence of sclerosing lesions of the bile ducts. Experimental approach in dogs. Apropos of 3 clinical cases] Grimaud JC, et al. **J Chir (Paris)** 1984 Mar;121(3):163-9 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Focal hepatic infarction with bile lake formation. Peterson IM, et al. **AJR** 1984 Jun;142(6):1155-6

Pancreas divisum and its association with choledochal sphincter stenosis. Diagnosis by endoscopic retrograde cholangiopancreatography and endoscopic biliary manometry. Gregg J, et al. **Am J Surg** 1984 Mar; 147(3):367-71

Bile-duct cyst with cystlithiasis: a case report. Lapointe R, et al. **Can J Surg** 1984 May;27(3):271-3

Idiopathic perforation of the biliary tract in infancy. Stringel G, et al. **J Pediatr Surg** 1983 Oct;18(5):546-50

[Etiology of jaundice in an older child] Dewald M, et al. **Ann Pediatr (Paris)** 1984 Apr;31(4):335-8 (Eng. Abstr.) **(Fre)**

[Spontaneous biliary peritonitis] Ferraris R, et al. **Minerva Chir** 1984 Apr 15;39(7):555-61 (Eng. Abstr.) **(Ita)**

[Hepatic duct hypoplasia or Alagille-Odièvre disease] Jannuzzi C, et al. **Pediatr Med Chir** 1983 Mar-Apr; 5(1-2):23-30 (Eng. Abstr.) **(Ita)**

CONGENITAL

Caroli's disease in childhood: report of two new cases. Fagundes-Neto U, et al. **J Pediatr Gastroenterol Nutr** 1983 Nov;2(4):708-11

Caroli's disease. Mercadier M, et al. **World J Surg** 1984 Feb; 8(1):22-9 (20 ref.)

[Congenital cysts of the liver in echography] Bruneton JN, et al. **J Radiol** 1983 Aug-Sep;64(8-9):471-6 (Eng. Abstr.) **(Fre)**

[Caroli's disease. A report of recent cases] Ceppi M, et al. **Pathologica** 1983 Nov-Dec;75(1040):837-46 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Scintigraphic and radiographic findings in Caroli's disease. Moreno AJ, et al. **Am J Gastroenterol** 1984 Apr; 79(4):299-303

Bilomas: a new approach to the diagnosis and treatment. Kuligowska E, et al. **Gastrointest Radiol** 1983;8(3):237-43

[More effective diagnosis of the biliary tract: sonography and instrumental cholangiography] Hledík E, et al. **Cesk Radiol** 1984 Feb;38(1):51-4 (Eng. Abstr.) **(Cze)**

[Sonographic study of the liver, gallbladder and bile ducts] Czermak H. **Wien Med Wochenschr** 1983 Oct 31; 133(19-20):477-82 (Eng. Abstr.) **(Ger)**

[Requirements and use of peroperative bile duct diagnosis] Mättig H. **Zentralbl Chir** 1983;108(16):1038-45 (Eng. Abstr.) **(Ger)**

[Primary benign stenosis of the supraduodenal hepatocholedochus] Setlacec D, et al. **Rev Chir [Chir]** 1984 Mar-Apr;33(2):123-30 (Eng. Abstr.) **(Rum)**

[Examination of the gallbladder and bile ducts with radioisotopic methods] Jovin G, et al. **Rev Med Interna [Med Interna]** 1984 Mar-Apr;36(2):173-80 (Eng. Abstr.) **(Rum)**

DRUG THERAPY

[Double-blind clinical study on hymecromone and placebo in motor disorders of the bile ducts after cholecystectomy] Quaranta S, et al. **Clin Ter** 1984 Mar 31;108(6):513-7 (Eng. Abstr.) **(Ita)**

ENZYMOLOGY

Serum gamma glutamyl transferase as a specific indicator of bile duct lesions in the rat liver. Leonard TB, et al. **Am J Pathol** 1984 Aug;116(2):262-9

ETIOLOGY

Cystic duct fistula: a complication of cholecystectomy. Nelson AM. **Am J Gastroenterol** 1984 Jun;79(6):479-81

Bacterial infection of the common bile duct in chronic fascioliasis in the rat. Foster JR. **J Comp Pathol** 1984 Apr; 94(2):175-81

[Treatment of perforations of hepatic echinococci into the biliary tract] Pashov M, et al. **Khirurgiia (Sofiia)** 1983; 36(4):315-8 (Eng. Abstr.) **(Bul)**

[The relationship between juxtapapillary diverticulum and biliary-pancreatic diseases: an endoscopic and radiologic study] Jia YC. **Chung Hua Fang She Hsueh Tsa Chih** 1984 Feb;18(1):41-4 (Eng. Abstr.) **(Chi)**

[Necrosis of the main bile ducts in the course of severe acute pancreatitis] Bancu E, et al. **Rev Chir [Chir]** 1983 Sep-Oct; 32(5):377-9 (Eng. Abstr.) **(Rum)**

[Complications of endoscopic retrograde cholangiopancreatography and their prevention] Krendal' AP, et al. **Khirurgiia (Mosk)** 1983 Jul;(7):91-6 **(Rus)**

[Pathogenic role of proteolytic enzymes and microbial flora in chronic lesions of the bile ducts] Rodionova NI. **Klin Med (Mosk)** 1983 Oct;61(10):77-80 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

[Immunologic parameters in pericholangitis and primary sclerosing cholangitis with and without ulcerative colitis] Hopf U, et al. **Dtsch Med Wochenschr** 1983 Oct 7; 108(40):1515-21 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Choledochal cysts in children [letter] Barlow B. **Arch Surg** 1984 Jun;119(6):739

PHYSIOPATHOLOGY

Bile duct dyskinesia. Clinical and manometric study. Meshkinpour H, et al. **Gastroenterology** 1984 Oct; 87(4):759-62

RADIOGRAPHY

Caroli's disease: role of endoscopic retrograde cholangiopancreatography. Missavage AE, et al. **Am J Gastroenterol** 1983 Dec;78(12):815-7

[Computer tomography in the diagnosis of diseases of the bile ducts] Sobota J, et al. **Cesk Radiol** 1983 Aug; 37(5):302-7 (Eng. Abstr.) **(Cze)**

[Endoscopic retrograde cholangiography in the diagnosis of liver diseases] Sauerbruch T. **Z Gastroenterol** 1984 Jan; 22(1):21-9 (Eng. Abstr.) **(Ger)**

[Preoperative and postoperative lengths of extrahepatic biliary duct measured by direct cholangiography] Ogiya I. **Nippon Geka Gakkai Zasshi** 1984 Apr;85(4):324-37 (Eng. Abstr.) **(Jpn)**

[Ascariasis of the bile duct] Khilenko AV, et al. **Vestn Rentgenol Radiol** 1983 May-Jun;(3):83-4 **(Rus)**

SURGERY

Selective antibiotic prophylaxis in biliary surgery. Reiss R, et al. **Int Surg** 1984 Jan-Mar;69(1):13-6

Bile-duct cysts--diagnosis and treatment in 14 patients. Van Hasselt EJ, et al. **Neth J Surg** 1983 Sep;35(4):144-9

Early operation for acute biliary tract stone disease. Saltzstein EC, et al. **Surgery** 1983 Oct;94(4):704-8

[Biliary drainage and endoscopic insertion of an endoprosthesis] Jensen AR, et al. **Ugeskr Laeger** 1984 Apr 9;146(15):1123-6 (Eng. Abstr.) **(Dan)**

[Prospective study of infection in biliary surgery. 3500 bacteriological samples in 509 surgically treated patients] Flament JB, et al. **Chirurgie** 1984;110(3):280-91 (Eng. Abstr.) **(Fre)**

[Bacteriology of the bile in cholecystopathies. Radiological association] Machado RJ, et al. **Arq Gastroenterol** 1983 Apr-Jun;20(2):48-52 (Eng. Abstr.) **(Por)**

[Results of endoscopic papillosphincterotomy performed as a 2d operation on the biliary tract] Gallinger Iul, et al. **Khirurgiia (Mosk)** 1983 Oct;(10):426 (Eng. Abstr.) **(Rus)**

[Spontaneous rupture of the intrahepatic bile ducts as a cause of biliary peritonitis] Veselov VS, et al. **Vestn Khir** 1983 Oct;131(10):60-2 **(Rus)**

THERAPY

The management of surgically placed silastic transhepatic biliary stents. Kaufman SL, et al. **AJR** 1984 Feb; 142(2):347-50

Balloon dilatation of biliary strictures through a choledochojejuno-cutaneous fistula. Hutson DG, et al. **Ann Surg** 1984 Jun;199(6):637-47

Percutaneous management of benign biliary disease. Martin EC, et al. **Gastrointest Radiol** 1984;9(3):207-12

Endoscopic biliary drainage. Classen M, et al. **Scand J Gastroenterol [Suppl]** 1984;102:76-83

BILE DUCT NEOPLASMS

Paraganglioma of the common hepatic duct. Hitanant S, et al. **Am J Gastroenterol** 1984 Jun;79(6):485-8

Granular cell myoblastoma of the extrahepatic biliary system. Orenstein HH, et al. **Am J Surg** 1984 Jun;147(6):827-31

CHEMICALLY INDUCED

Do no harm: a prescription filled with difficulty! A thorium-induced neoplasm. Merlo RB, et al. **NC Med J** 1983 Sep;44(9):564

COMPLICATIONS

Granular cell tumor: unusual cause for mucocele of

gallbladder. Yamashina M, et al. **Am J Gastroenterol** 1984 Sep;79(9):701–3
Carcinoma of cystic duct leading to obstructive jaundice. De Waele B, et al. **Dig Dis Sci** 1984 Sep;29(9):865–7
Anomalous pancreaticobiliary duct union associated with bile duct carcinoma. Strijk SP, et al. **Gastrointest Radiol** 1984; 9(1):49–51
Traumatic neuroma of the bile ducts with intrahepatic extension causing obstructive jaundice. Larson DM, et al. **Hum Pathol** 1984 Mar;15(3):287–9
Granular cell tumour of the cystic duct. A cause of cholecystitis. Barber CJ. **J R Coll Surg Edinb** 1984 Jan; 29(1):56–7
[Caroli's disease associated with fibrocholangiomatosis. Apropos of a surgically treated case] Fadli F, et al. **Maroc Med** 1983 Jun;5(2):206–11 (Eng. Abstr.) **(Fre)**
[Transhepatic continuous drainage in the palliative treatment of malignant obstructive jaundice] Inglis R, et al. **Med Welt** 1983 Nov 4;34(44):1248–50 **(Ger)**
[Neoplasms of the principal bile ducts and distal lithiasis] Marinoni M, et al. **Minerva Chir** 1983 Oct 15; 38(19):1499–502 **(Ita)**
[Case of choledochal cyst with bile duct carcinoma] Ohtomo K, et al. **Rinsho Hoshasen** 1983 Aug;28(8):895–7 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Ultrasonic diagnosis of primary intraductal cholelith and neoplasm. Hadidi A. **Gastrointest Radiol** 1983;8(4):333–6
Extrahepatic bile duct cancer: a review. Postier RG, et al. **J Okla State Med Assoc** 1984 Apr;77(4):118–23
Cystadenoma of the proximal common hepatic duct: the use of abdominal ultrasonography and transhepatic cholangiography in diagnosis. Nagorney DM, et al. **Mayo Clin Proc** 1984 Feb;59(2):118–21
Bile cytology. A routine addition to percutaneous biliary drainage. Muro A, et al. **Radiology** 1983 Dec;149(3):846–7
Papillomatosis of the intrahepatic bile ducts. Mercadier M, et al. **World J Surg** 1984 Feb;8(1):30–5
[Ultrasonographic diagnosis of carcinoma of extrahepatic bile duct] Dong BW. **Chung Hua I Hsueh Tsa Chih** 1983 Oct; 63(10):599–601 (Eng. Abstr.) **(Chi)**
[Image diagnosis of cholangiocellular carcinoma] Ohta H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Sep; 80(9):1747–53 (Eng. Abstr.) **(Jpn)**
[Primary benign stenosis of the supraduodenal hepatocholedochus] Setlacec D, et al. **Rev Chir [Chir]** 1984 Mar–Apr;33(2):123–30 (Eng. Abstr.) **(Rum)**
[Diagnosis and treatment of primary liver cancer] Nikhinson RA. **Vopr Onkol** 1984;30(5):82–4 (Eng. Abstr.) **(Rus)**
[Pseudotumor of the bile duct: its diagnosis by fine-needle percutaneous transhepatic cholangiography] Varela OW. **Acta Gastroenterol Latinoam** 1983;13(1):59–65 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Eastern Cooperative Oncology Group experience with chemotherapy for inoperable gallbladder and bile duct cancer. Falkson G, et al. **Cancer** 1984 Sep 15;54(6):965–9

ETIOLOGY

[Cancer of the bile ducts above the anastomosis following choledocoduodenal anastomosis for common bile duct lithiasis. 2 cases] Leborgne J, et al. **Ann Chir** 1984 Jun; 38(5):369–73 (Eng. Abstr.) **(Fre)**
[Localized Caroli's disease associated with mucosecreting papillary adenocarcinoma. Value of hepatic resection] Chevillotte G, et al. **Presse Med** 1984 Apr 28;13(18):1137–9 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Epithelial membrane antigen expression in cholangiocarcinoma. An useful immunohistochemical tool for differential diagnosis with hepatocarcinoma. Bonetti F, et al. **Virchows Arch [A]** 1983;401(3):307–13

METABOLISM

Quantitation of fibrinogen influx and fibrin deposition and turnover in line 1 and line 10 guinea pig carcinomas. Dvorak HF, et al. **Cancer Res** 1984 Aug;44(8):3348–54

OCCURRENCE

Gastrectomy and cancer of the gallbladder or biliary tract [letter] Heilbrun LK, et al. **Lancet** 1984 Mar 3;1(8375):511

PATHOLOGY

Transcatheter embolization of the liver for control of massive hemobilia in a patient with adenocarcinoma of the gallbladder invading the intrahepatic biliary system. Asmat P, et al. **Am J Gastroenterol** 1983 Nov;78(11):761–4
Heterotopic duodenum in the cystic duct. Galloway PG. **Arch Pathol Lab Med** 1984 Aug;108(8):666–8
Somatostatinoma of the cystic duct. Goodman ZD, et al. **Cancer** 1984 Feb 1;53(3):498–502
Evolution of carcinoma in the extrahepatic bile ducts. Kozuka S, et al. **Cancer** 1984 Jul 1;54(1):65–72
Adenocarcinoma of the hepatic duct junction. A reappraisal of the histologic criteria of malignancy. Qualman SJ, et al. **Cancer** 1984 Apr 1;53(7):1545–51
Histological reconstruction of a Von Meyenburg's complex on the liver surface. Ohta W, et al. **Endoscopy** 1984 Mar; 16(2):71–4
Adenosquamous carcinoma of the liver arising in biliary cystadenocarcinoma: clinical, radiologic, and pathologic features with review of the literature. Moore S, et al. **J Clin Gastroenterol** 1984 Jun;6(3):267–75
Unusual renal mass in a middle-aged woman [clinical conference] Sant GR, et al. **J Urol** 1983 Dec;130(6):1156–9
Carcinoma of extrahepatic bile ducts. A histopathologic study. Laitio M. **Pathol Res Pract** 1983 Aug;178(1):67–72
Pathology of hepatolithiasis: cholangitis and cholangiocarcinoma. Ohta G, et al. **Prog Clin Biol Res** 1984;152:91–113
Strictures of the intrahepatic bile ducts. Mercadier M, et al. **World J Surg** 1984 Feb;8(1):15–21 (20 ref.)
[Mode of spread of intrahepatic bile duct carcinoma] Kurashina M, et al. **Gan No Rinsho** 1983 Sep;29(11):1314–8 (Eng. Abstr.) **(Jpn)**
[Patterns of bile duct invasion in hepatocellular carcinoma] Itoh S, et al. **Nippon Gan Chiryo Gakkai Shi** 1983 Aug 20;18(5):1160–6 (Eng. Abstr.) **(Jpn)**
[Clinicopathological study on metaplasia in the bile duct mucosa with special reference to bile duct carcinoma] Tsuru T. **Nippon Geka Gakkai Zasshi** 1984 May; 85(5):482–91 (Eng. Abstr.) **(Jpn)**
[Cystadenoma of the intrahepatic bile ducts] Papla B, et al. **Patol Pol** 1983 Oct–Dec;34(4):417–20 (Eng. Abstr.) **(Pol)**

RADIOGRAPHY

Cholangiographic evaluation of bile duct carcinoma. Nichols DA, et al. **AJR** 1983 Dec;141(6):1291–4
Cystic dilatation as a radiographic sign of cholangiocarcinoma complicating sclerosing cholangitis. Gluskin LE, et al. **Am J Gastroenterol** 1983 Oct; 78(10):661–4
Evaluation of biliary cystadenoma and cystadenocarcinoma. Stanley J, et al. **Gastrointest Radiol** 1983;8(3):245–8
Primary biliary carcinoma: CT evaluation. Thorsen MK, et al. **Radiology** 1984 Aug;152(2):479–83
[Image of tumorous obstructions of the extrahepatic bile ducts in computer tomography] Castrup W, et al. **Computertomographie** 1983 Jun;3(2):75–9 (Eng. Abstr.) **(Ger)**
[Computed tomography of intrahepatic cholangiocarcinoma (peripheral type)] Kamimura R, et al. **Rinsho Hoshasen** 1983 Oct;28(10):1055–9 (Eng. Abstr.) **(Jpn)**

RADIOTHERAPY

Cholangiocarcinoma. A place for brachytherapy. Prempree T, et al. **Acta Radiol [Oncol]** 1983;22(5):353–9 (15 ref.)
[Endoscopic intraductal radiotherapy of high bile-duct carcinoma] Phillip J, et al. **Dtsch Med Wochenschr** 1984 Mar 16;109(11):422–6 (Eng. Abstr.) **(Ger)**
[Present status and possibilities of radiotherapy in the interdisciplinary treatment of malignant tumors of the stomach, pancreas and bile ducts. III. Extrahepatic bile ducts and gallbladder] Köster R, et al. **Strahlentherapie** 1984 Jul;160(7):403–10 (38 ref.) (Eng. Abstr.) **(Ger)**

SECONDARY

Malignant melanoma metastatic to the cystic and common bile ducts. O'Connell JB, et al. **Cancer** 1984 Jan 1; 53(1):184–6 (7 ref.)
An original bile duct endoprosthesis for surgical treatment of tumors, experimentation and human application. Sezeur A, et al. **Trans Am Soc Artif Intern Organs** 1983;29:287–9
[Hepatocellular carcinoma invading the extrahepatic biliary system] Mori H, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1983 Jun;43(6):750–6 **(Jpn)**

SURGERY

Biliary carcinoma. A review of 109 cases. Alexander F, et al. **Am J Surg** 1984 Apr;147(4):503–9
Management of high bile duct carcinoma. Beals SP, et al. **Am Surg** 1984 Jun;50(6):305–11
Clinicopathological aspects of high bile duct cancer. Experience with resection and bypass surgical treatments. Beazley RM, et al. **Ann Surg** 1984 Jun;199(6):623–36
Regional pancreatectomy for cancer of the pancreas, ampulla, and other related sites. Tumor staging and results. Fortner JG. **Ann Surg** 1984 Apr;199(4):418–25
Intrahepatic biliary papillomatosis. Gouma DJ, et al. **Br J Surg** 1984 Jan;71(1):72–4
Intrahepatic biliary papillomatosis [letter] Stoker TA. **Br J Surg** 1984 May;71(5):398
Surgical management of primary bile-duct carcinoma. Keith RG, et al. **Can J Surg** 1984 Jan;27(1):51–4
Seeding of cholangiocarcinoma along T-tube tracts. Bloom RA, et al. **Gastrointest Radiol** 1984;9(2):167–9
Surgery and hepatic duct carcinoma [letter] Blumgart LH, et al. **Lancet** 1984 Apr 7;1(8380):795
Surgical approaches to cholangiocarcinoma at confluence of hepatic ducts. Blumgart LH, et al. **Lancet** 1984 Jan 14; 1(8368):66–70
Surgery and hepatic duct carcinoma [letter] Fogel TD. **Lancet** 1984 Mar 17;1(8377):622
A palliative percutaneous drainage procedure for proximal bile duct carcinoma. Gouma DJ, et al. **Neth J Surg** 1984 Apr;36(2):48–53
[Carcinoma of the extrahepatic bile duct] Cao XH. **Chung Hua Wai Ko Tsa Chih** 1984 Mar;22(3):164–5 (Eng. Abstr.) **(Chi)**
[Simplified technic of transhepatic bile duct drainage in central bile duct carcinoma] Neuhaus P. **Chirurg** 1984 Jun; 55(6):413 **(Ger)**
[Therapy and prognosis of 300 primary extrahepatic bile duct cancers] Dittel KK, et al. **Langenbecks Arch Chir** 1983; 360(4):229–40 (Eng. Abstr.) **(Ger)**
[Therapy and prognosis of extrahepatic bile duct cancer] Grundmann R, et al. **Lebensversicherungsmedizin** 1984 Feb 10;36(2):31–5 (Eng. Abstr.) **(Ger)**
[Endoscopic bile duct drainage in malignant obstructive jaundice—an alternative procedure to palliative surgery] Safrany L, et al. **Zentralbl Chir** 1983;108(16):1017–22 (Eng. Abstr.) **(Ger)**
[Our experience in surgical treatment of tumors of the upper biliary junction] Gazzaniga GM, et al. **Minerva Chir** 1983 Oct 15;38(19):1447–54 **(Ita)**
[Bile-draining operations in malignant tumors of the bile ducts] Danilov MV, et al. **Khirurgiia (Mosk)** 1983 Nov; (11):54–9 (Eng. Abstr.) **(Rus)**

THERAPY

Interventional radiology rounds: University of California, San Francisco. Percutaneous biliary drainage in the management of cholangiocarcinoma. Kerlan RK Jr, et al. **AJR** 1983 Dec;141(6):1295–8
Treatment of hilar carcinoma by bile drainage combined with internal radiotherapy using 192iridium wire. Fletcher MS, et al. **Br J Surg** 1983 Dec;70(12):733–5
Treatment of hilar cholangiocarcinoma by biliary drainage and internal radiotherapy [letter] Hadjis NS, et al. **Br J Surg** 1984 May;71(5):397–8

ULTRASTRUCTURE

Ultrastructure of liver cell and bile duct carcinomas. Ordóñez NG, et al. **Ultrastruct Pathol** 1983 Sep–Oct;5(2–3):201–41

VETERINARY

[Cholangiocellular epithelioma in a dog. Acute generalized neoplastic dissemination with destruction of the hypophysis and glomerular metastases to the meninges and eyes] Teuscher E, et al. **Schweiz Arch Tierheilkd** 1984 Mar; 126(3):129–40 (Eng. Abstr.) **(Fre)**

BILE DUCT OBSTRUCTION see **CHOLESTASIS**

BILE DUCT OBSTRUCTION, EXTRAHEPATIC

BLOOD

Plasma vitamin E levels in children with cholestasis. Alvarez F, et al. **J Pediatr Gastroenterol Nutr** 1984 Jun;3(3):390–3
Serum bile acid patterns determined by an enzymatic method and high-performance liquid chromatography in young infants with cholestasis. Tazawa Y, et al. **J Pediatr Gastroenterol Nutr** 1984 Jun;3(3):394–401
[Analysis of the Apo E-rich HDL in plasma of patients with cholestasis and its clinical significance] Seishima M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Jun;81(6):1405–16 (Eng. Abstr.) **(Jpn)**
[Quantitative determination of lipoprotein-X (LP-X) in extrahepatic cholestasis and intrahepatic cholestasis] Calvo C, et al. **Rev Med Chil** 1984 Mar;112(3):233–7 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

[New indices of electrolyte metabolism in patients with obstructive jaundice] Dol'nikov NA, et al. **Vestn Khir** 1984 Apr;132(4):129–32 **(Rus)**

CONGENITAL

The association of extrahepatic bile duct atresia and neonatal Epstein-Barr virus infection. Weaver LT, et al. **Acta Paediatr Scand** 1984 Jan;73(1):155–7
[Congenital extrahepatic biliary atresia] Bielecki K. **Wiad Lek** 1983 Jun 1;36(11):901–7 (16 ref.) (Eng. Abstr.) **(Pol)**

DIAGNOSIS

Evaluation of the patient with jaundice—1984. Sampliner RE. **Ariz Med** 1984 May;41(5):302–4
Evaluation of the patient with jaundice—1984. Sampliner RE. **Ariz Med** 1984 Jul;41(7):481–3
Ultrasound, CT, and radionuclide imaging in hepatobiliary obstruction. Williamson MR, et al. **CRC Crit Rev Diagn Imaging** 1983;19(4):317–35 (135 ref.)
Sonography of the Mirizzi syndrome. Jackson VP, et al. **J Ultrasound Med** 1984 Jun;3(6):281–3
[Lipoprotein X (LP-X) in the differential diagnosis of cholestasis in children, with special reference to biliary atresia] Duchnowska A, et al. **Probl Med Wieku Rozwoj** 1979;8:84–91 (Eng. Abstr.) **(Pol)**
[Significance of the Courvoisier symptom in the differential

diagnosis of Botkin's disease and mechanical jaundice] Podnevich IR. **Klin Med (Mosk)** 1983 Aug;61(8):69–70 (Eng. Abstr.) **(Rus)**

[Clinico-morphological aspects of pericholedochal lymphadenitis] Usov DV, et al. **Klin Med (Mosk)** 1984 Jan; 62(1):105–8 (Eng. Abstr.) **(Rus)**

[Usefulness of echography in the differential diagnosis of jaundice] Fernández M, et al. **Rev Med Chil** 1983 May; 111(5):472–7 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

[Lysosomal changes in the liver from rats with acute extrahepatic biliary obstruction] Matsumoto Y, et al. **Yakugaku Zasshi** 1984 Jan;104(1):68–73 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Hepatocellular carcinoma presenting extrahepatic biliary obstruction. Nonomura A, et al. **Acta Pathol Jpn** 1983 Jul; 33(4):789–806

Duodenal Crohn's disease complicated by common bile duct obstruction: report of a case and review of the literature. Foutch PG, et al. **Am J Gastroenterol** 1984 Jul;79(7):520–4

Cystadenoma of the common bile duct demonstrated by endoscopic retrograde cholangiography: an uncommon cause of extrahepatic obstruction. Van Steenbergen W, et al. **Am J Gastroenterol** 1984 Jun;79(6):466–70

Choledochal obstruction by cystic duct stone. Mirizzi's syndrome. Witte CL. **Am Surg** 1984 May;50(5):241–3

The spectrum of biliary tract obstruction from chronic pancreatitis. Aranha GV, et al. **Arch Surg** 1984 May; 119(5):595–600

Recurrent obstructive jaundice caused by fibrolamellar hepatocellular carcinoma. Albaugh JS, et al. **Dig Dis Sci** 1984 Aug;29(8):762–7

Extrabiliary obstructive jaundice. Schreyer T, et al. **Eur J Radiol** 1983 Nov;3(4):352–3

Periportal tuberculous adenitis: a rare cause of obstructive jaundice. Stanley JH, et al. **Gastrointest Radiol** 1984; 9(3):227–9

Hydatid cyst as a cause of common bile duct obstruction (a case report). Mathur SK, et al. **J Postgrad Med** 1983 Oct;29(4):262–6

Bile duct obstruction secondary to lymphomatous involvement of the pancreas. Swartz TR, et al. **JCU** 1983 Sep;11(7):391–4

Inflammatory stenosis of the whole extrahepatic bile duct in a child: a case report. Todani T, et al. **Z Kinderchir** 1983 Dec;38(6):400–3

[Etiology of jaundice in an older child] Dewald M, et al. **Ann Pediatr (Paris)** 1984 Apr;31(4):335–8 (Eng. Abstr.) **(Fre)**

[Compressive tuberculous lymphadenitis of the common bile duct: spontaneous recovery by fistulization in the choledochus] Lafay JP, et al. **Gastroenterol Clin Biol** 1983 Nov;7(11):915–8 (Eng. Abstr.) **(Fre)**

[Acute cholecystitis caused by postoperative hemocholecyst and regressive retention jaundice (letter)] Giuly J, et al. **Presse Med** 1984 Apr 14;13(16):1010 **(Fre)**

[Spontaneous resolution of post-cholecystectomy retention icterus (letter)] Roullet-Audy JC, et al. **Presse Med** 1983 Nov 12;12(40):2534–5 **(Fre)**

[Biliary ileus (presentation of 6 cases)] Koutsikos S, et al. **Boll Chim Farm** 1984 Jan;123(1):21S–26S (Eng. Abstr.) **(Ita)**

[A rare case of mechanical jaundice caused by compression of the common bile duct] Lityński W, et al. **Wiad Lek** 1984 Mar 1;37(5):382–4 (Eng. Abstr.) **(Pol)**

[Torsion of the gallbladder with compression of the common bile duct] Genyk SN, et al. **Khirurgiia (Mosk)** 1984 Feb; (2):128–9 **(Rus)**

IMMUNOLOGY

Complement levels in serum and bile in patients with extra-hepatic biliary tract obstruction. Morrison L, et al. **J Clin Lab Immunol** 1984 Feb;13(2):71–4

METABOLISM

[Lipid metabolism in patients with calculous cholecystitis complicated by mechanical jaundice] Chesnokova TT, et al. **Sov Med** 1983;(8):27–31 (Eng. Abstr.) **(Rus)**

[Lipoprotein X and lecithin: cholesterol acyltransferase (LCAT) in cholestasis] Oravec S, et al. **Rozhl Chir** 1984 Mar;63(3):183–8 (Eng. Abstr.) **(Slo)**

PATHOLOGY

Histopathologic changes in the intra- and extrahepatic biliary tree in patients with postcholecystectomy choledocholithiasis. Lygidakis NJ. **Am Surg** 1984 Jul; 50(7):370–4

Failure to induce selective cholestasis in the rat after long-term extrahepatic selective biliary obstruction. Bioulac-Sage P, et al. **Liver** 1983 Oct;3(5):338–42

The human liver in extrahepatic cholestasis: ultrastructural morphometric data. Jezequel AM, et al. **Liver** 1983 Oct; 3(5):303–14

PHYSIOPATHOLOGY

[Functional disorders of the liver in acute cholecystitis] Kutiakov MG, et al. **Klin Khir** 1984 Apr;(4):51 **(Rus)**

RADIOGRAPHY

The intrahepatic and extrahepatic bile ducts in surgical jaundice: radiological evaluation and therapeutic implications. Zeman RK, et al. **CRC Crit Rev Diagn Imaging** 1984;21(1):1–36 (135 ref.)

Comparison of the extrahepatic bile duct size measured by ultrasound and by different radiographic methods. Niederau C, et al. **Gastroenterology** 1984 Sep;87(3):615–21

Endoscopic retrograde cholangiopancreatography in the diagnosis of cystic duct syndrome. Gowen GF. **Surg Gynecol Obstet** 1984 Sep;159(3):217–22

[Image of tumorous obstructions of the extrahepatic bile ducts in computer tomography] Castrup W, et al. **Computertomographie** 1983 Jun;3(2):75–9 (Eng. Abstr.) **(Ger)**

[CT findings in Mirizzi syndrome] Yamamoto S, et al. **Rinsho Hoshasen** 1983 Jul;28(7):811–4 (Eng. Abstr.) **(Jpn)**

SURGERY

Preoperative transhepatic biliary drainage. Hoevels J, et al. **Ann Radiol (Paris)** 1984 Apr-May;27(4):361–3

New trends in the diagnosis and therapy of acute cholangitis. Rovati V, et al. **Int Surg** 1984 Jan-Mar;69(1):55–7

Endoscopic sphincterotomy. O'Regan PF, et al. **Ir J Med Sci** 1983 Oct;152(10):373–6

Modified Longmire's operation for proximal extrahepatic biliary obstruction. Goh HS, et al. **Singapore Med J** 1984 Apr;25(2):92–6

[Transhepatic continuous drainage in the palliative treatment of malignant obstructive jaundice] Inglis R, et al. **Med Welt** 1983 Nov 4;34(44):1248–50 **(Ger)**

[Results of 108 endoscopic papillotomies] Schoenemann J, et al. **Z Gastroenterol** 1983 Nov;21(11):660–5 (Eng. Abstr.) **(Ger)**

[Operations in acute blockade of the common bile duct and the papilla] Michek J, et al. **Zentralbl Chir** 1983; 108(16):1023–5 (Eng. Abstr.) **(Ger)**

[Endoscopic bile duct drainage in malignant obstructive jaundice—an alternative procedure to palliative surgery] Safrany L, et al. **Zentralbl Chir** 1983;108(16):1017–22 (Eng. Abstr.) **(Ger)**

[Cholecystography in the determination of the success of endoscopic papillo-sphincterotomy] Szilvási I, et al. **Orv Hetil** 1984 Jun 17;125(25):1493–5 (Eng. Abstr.) **(Hun)**

[Double hepaticojejunostomy in cicatricial stricture of the hepatic ducts] Shalimov SA, et al. **Khirurgiia (Mosk)** 1983 Jul;(7):107–9 **(Rus)**

[Therapeutic tactics in mechanical jaundice complicated by cholangitis] Tsatsanidi KN, et al. **Khirurgiia (Mosk)** 1984 Feb;(2):8–13 (Eng. Abstr.) **(Rus)**

[Endoscopic cholecystostomy with external biliodigestive shunt in the treatment of patients with obstructive jaundice of tumor origin] Malyshev IuI, et al. **Klin Khir** 1984 May; (5):25–7 (Eng. Abstr.) **(Rus)**

[Immediate and long-term results of surgical treatment of extrahepatic bile duct obstruction of nontumoral etiology] Mazurik MF, et al. **Klin Khir** 1983 Sep;(9):14–6 (Eng. Abstr.) **(Rus)**

[Surgery of the extrahepatic bile ducts] Taratenko OP, et al. **Klin Khir** 1983 Sep;(9):57 **(Rus)**

THERAPY

Endoscopic removal of Ascaris lumbricoides from the common bile duct. Saul C, et al. **Am J Gastroenterol** 1984 Sep;79(9):725–7

Endoscopic and fluoroscopic transpapillary placement of a large caliber biliary endoprosthesis. Siegel JH, et al. **Am J Gastroenterol** 1984 Jun;79(6):461–5

Bile lipid output and composition in patients fitted with external biliary drainage: activity of cicloxilic acid. Tommasini Degna C, et al. **Curr Med Res Opin** 1983; 8(7):472–4

[Biliary and urinary endoprosthesis derived from percutaneous biliary drainage catheters] Dondelinger R, et al. **J Belge Radiol** 1984;67(1):37–40 (Eng. Abstr.) **(Fre)**

[Ultrasonically guided, percutaneous transhepatic bile duct drainage] Kehl A, et al. **Dtsch Med Wochenschr** 1984 Jul 6;109(27):1072–4 **(Ger)**

[Biliary endoprosthesis in inoperable neoplasms of the extra-hepatic bile ducts] Ferulano GP, et al. **Minerva Chir** 1983 Nov 15;38(21):1755–8 **(Ita)**

[Dilatation with the Grüntzig catheter in iatrogenic stenosis of the extrahepatic biliary tract] Fresini A, et al. **Minerva Chir** 1983 Oct 15;38(19):1521–4 **(Ita)**

[Effect of sorption detoxication on secondary hyperlipidemia in patients with extrahepatic cholestasis] Lur'e BL, et al. **Ter Arkh** 1984;56(2):92–4 (Eng. Abstr.) **(Rus)**

VETERINARY

Hematologic and biochemical abnormalities associated with induced extrahepatic bile duct obstruction in the cat. Center SA, et al. **Am J Vet Res** 1983 Oct;44(10):1822–9

Obstructive jaundice in a cat resulting from choledocholithiasis. Wolf AM. **J Am Vet Med Assoc** 1984 Jul 1;185(1):85–7

Ganglioneuroma of Vater's papilla and extrahepatic cholestasis in a dog. van den Ingh TS, et al. **Vet Pathol** 1984 Mar;21(2):254–6

BILE DUCT OBSTRUCTION, INTRAHEPATIC see **CHOLESTASIS, INTRAHEPATIC**

BILE DUCTS

Failures, complications and interventionalist radiation exposures in 108 cases of attempted biliary endoprostheses. Le Page JR. **Ann Radiol (Paris)** 1984 Apr-May; 27(4):366–70

Influence of common bile duct cannula size on maximal secretory rate of taurocholate in the rat. Reichen J, et al. **Experientia** 1984 Jun 15;40(6):535–7

Fine structure of lipid storage in epithelial cells lining bile ducts in Niemann-Pick's disease. Nicolescu PG, et al. **Morphol Embryol (Bucur)** 1983 Oct-Dec;29(4):271–2

Tapered-tip Teflon catheter for biliary drainage. Kaufman SL. **Radiology** 1984 Apr;151(1):251

Biliary endoprostheses. Insertion using a combined peroral-transhepatic method. Kerlan RK Jr, et al. **Radiology** 1984 Mar;150(3):828–30

Rib erosion: late complication of long-standing biliary drainage catheters. Severini A, et al. **Radiology** 1984 Mar; 150(3):666

[Combined use of hepatobiliary function scintigraphy and sonography to clarify complications after cholecystectomy] Pink V, et al. **Radiobiol Radiother (Berl)** 1984;25(2):325–34 (Eng. Abstr.) **(Ger)**

[Choice of material for external drainage of the bile ducts] Lezhnev AN, et al. **Khirurgiia (Mosk)** 1983 Aug;(8):48–52 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

Unconjugated, glycine-conjugated, taurine-conjugated bile acid nonsulfates and sulfates in urine of young infants with cholestasis. Tazawa Y, et al. **Acta Paediatr Scand** 1984 May; 73(3):392–7

The association of extrahepatic bile duct atresia and neonatal Epstein-Barr virus infection. Weaver LT, et al. **Acta Paediatr Scand** 1984 Jan;73(1):155–7

Serum vitamin E levels in children with corrected biliary atresia. Tazawa Y, et al. **Am J Clin Nutr** 1984 Aug; 40(2):246–50

The multiple coagulopathies of biliary atresia. Yanofsky RA, et al. **Am J Hematol** 1984 Feb;16(2):171–80

Anomalous arrangement of the pancreatobiliary ductal system in patients with a choledochal cyst. Todani T, et al. **Am J Surg** 1984 May;147(5):672–6

Prelaparotomy diagnosis of extrahepatic biliary atresia [letter] Lau SP, et al. **Arch Dis Child** 1984 Feb;59(2):188–9

Intrahepatic cysts in biliary atresia after successful hepatoportoenterostomy. Saito S, et al. **Arch Dis Child** 1984 Mar;59(3):274–5

Prelaparotomy diagnosis of extrahepatic biliary atresia [letter] Shaw P, et al. **Arch Dis Child** 1983 Dec;58(12):1034–5

The investigation of neonatal obstructive jaundice using 123I rose bengal. Minford JE, et al. **Br J Radiol** 1984 Mar; 57(675):213–6

Biliary atresia and neonatal hepatobiliary scintigraphy. Wynchank S, et al. **Clin Nucl Med** 1984 Mar;9(3):121–4

Fat absorption in patients with surgically repaired biliary atresia. Kobayashi A, et al. **Helv Paediatr Acta** 1983 Oct; 38(4):307–14

Extrahepatic biliary atresia. Alagille D. **Hepatology** 1984 Jan-Feb;4(1 Suppl):7S–10S

Hepatic peptidyl prolyl hydroxylase activity and liver fibrosis—a prospective study of 94 infants and children with hepatobiliary disorders. Trivedi P, et al. **Hepatology** 1984 May-Jun;4(3):436–41

Long-term follow-up results of patients with biliary atresia. Kasai M, et al. **Indian J Pediatr** 1983 Mar-Apr; 50(403):209–17

Management of biliary atresia. Upadhyaya P. **Indian J Pediatr** 1983 Jan-Feb;50(402):79–84

Copper concentration in plasma, cells, liver, urine, hair and nails in hepatobiliary disorders in children. Sharda B, et al. **Indian Pediatr** 1984 Feb;21(2):167–71

Pertussis in nonimmunized postsurgical biliary atresia. Johnson MS. **J Natl Med Assoc** 1984 Apr;76(4):407–8

Long-term prognosis in biliary atresia after hepatic portoenterostomy: analysis of 35 patients who survived beyond 5 years of age. Kobayashi A, et al. **J Pediatr** 1984 Aug;105(2):243–6

Portal vein thrombosis following hepatic portoenterostomy. Hyams JS, et al. **J Pediatr Gastroenterol Nutr** 1983 Nov; 2(4):701–4

Extended dissection of the portahepatis and creation of an intussuscepted ileocolic conduit for biliary atresia. Endo M, et al. **J Pediatr Surg** 1983 Dec;18(6):784–93

Small bowel atresia and biliary atresia [letter] Ford WD, et al. **J Pediatr Surg** 1983 Dec;18(6):965

Histological liver evaluation 5 years after surgery for extrahepatic biliary atresia: a study of 20 cases. Gautier M, et al. **J Pediatr Surg** 1984 Jun;19(3):263–8

Conduit decompression in biliary atresia. Stellin GP, et al. **J Pediatr Surg** 1983 Dec;18(6):782–3

Cholecystohepatic connections in a case of extrahepatic biliary atresia. A 27-year follow-up. Schorlemmer GR, et al. **JAMA** 1984 Sep 14;252(10):1319–20

Advances in treatment of biliary atresia. Kasai M. **Jpn J Surg** 1983 Jul;13(4):265–76

Biliary atresia and reovirus type 3 infection [letter] Dussaix E, et al. **N Engl J Med** 1984 Mar 8;310(10):658

Biliary atresia and reovirus type 3 infection [letter] Morecki R, et al. **N Engl J Med** 1984 Jun 14;310(24):1610

The effect of surgery on neonatal hepatitis. Halimun EM. **Paediatr Indones** 1984 Jan–Feb;24(1–2):23–7

Biliary atresia and liver transplantation: the National Institutes of Health point of view. Lilly JR. **Pediatrics** 1984 Jul;74(1):159–60

Differentiation of congenital biliary atresia and neonatal hepatitis by statistical methods. Matsusue S, et al. **Prog Pediatr Surg** 1984;17:189–99

The significance of anaerobic bacteria in biliary tract infection after hepatic portoenterostomy for biliary atresia. Brook I, et al. **Surgery** 1984 Mar;95(3):281–3

Hepatic transplantation and biliary atresia: early experience in eight patients. Ascher NL, et al. **World J Surg** 1984 Feb;8(1):57–63

Liver transplantation for biliary atresia. Iwatsuki S, et al. **World J Surg** 1984 Feb;8(1):51–6

Hepatic portoenterostomy for congenital biliary atresia – method of dissection of porta hepatis, evaluation of revision, re-boring and supplementary operations. Kimura S, et al. **Z Kinderchir** 1983 Aug;38(4):228–31

Histological study of the remnant of porta hepatis in patients with extrahepatic biliary atresia – A computed picture analysis of 30 cases. Matsuo S, et al. **Z Kinderchir** 1984 Feb;39(1):46–9

Reoperation for biliary atresia after hepatic portoenterostomy—experience in 29 cases with a report on the longest survivor in Japan. Saito S, et al. **Z Kinderchir** 1984 Apr;39(2):99–101

Clinical significance of lipoprotein-X in congenital biliary atresia. Yakabe S, et al. **Z Kinderchir** 1984 Jun;39(3):168–70

[Bile duct anomalies. Cholecystohepatic ducts] Christoffersen I, et al. **Ugeskr Laeger** 1984 Feb 6;146(6):435–6 (Eng. Abstr.) **(Dan)**

[Experiences with the surgical treatment of children with biliary atresia; results of hepatoportoenterostomy] Festen C. **Ned Tijdschr Geneeskd** 1983 Aug 27;127(35):1569–72 (Eng. Abstr.) **(Dut)**

[Biliary atresia and Kasai's operation: experiences during the period 1972 through 1981] Houwen RH, et al. **Ned Tijdschr Geneeskd** 1983 Aug 27;127(35):1565–8 (Eng. Abstr.) **(Dut)**

[Biliary atresia] van der Heyde MN. **Ned Tijdschr Geneeskd** 1983 Aug 27;127(35):1585–6 **(Dut)**

[Choleperitonitis after hepatoportocholecystostomy for atresia of the biliary tract] Gauthier F, et al. **Chir Pediatr** 1984;25(2):90–4 (Eng. Abstr.) **(Fre)**

[The place of hepatic transplantation today] Honoré P, et al. **Rev Med Liege** 1984 May 1;39(9):380–4 **(Fre)**

[Hyperlipoproteinemia due to congenital bile duct atresia with unusually located tuberous xanthoma] László A, et al. **Z Hautkr** 1983 Sep 1;58(17):1248–54 (Eng. Abstr.) **(Ger)**

[Biliary atresia: pathogenetic considerations emerging from the histopathologic analysis of the liver parenchyma] Farolfi A, et al. **Pediatr Med Chir** 1983 May–Jun;5(3):69–73 (Eng. Abstr.) **(Ita)**

[Cefotiam excretion into the bile after radical operation of congenital biliary atresia] Miyano T, et al. **Jpn J Antibiot** 1983 Dec;36(12):3429–36 (Eng. Abstr.) **(Jpn)**

[The correlation between the biliary excretion of cefmetazole and the bile acid metabolism in postoperative patients with biliary atresia] Miyano T, et al. **Jpn J Antibiot** 1984 Feb; 37(2):243–6 (Eng. Abstr.) **(Jpn)**

[Surgical treatment of biliary atresia] Kasai M. **Nippon Geka Gakkai Zasshi** 1983 Sep;84(9):741–3 **(Jpn)**

[Case of bronchobiliary fistula due to congenital anomalies of the liver and biliary tract] Iuchi K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Mar;21(3):282–7 (Eng. Abstr.) **(Jpn)**

[Lipoprotein X (LP-X) in the differential diagnosis of cholestasis in children, with special reference to biliary atresia] Duchnowska A, et al. **Probl Med Wieku Rozwoj** 1979;8:84–91 (Eng. Abstr.) **(Pol)**

[Congenital extrahepatic biliary atresia] Bielecki K. **Wiad Lek** 1983 Jun 1;36(11):901–7 (16 ref.) (Eng. Abstr.) **(Pol)**

[Transcutaneous and transhepatic cholangiography and bile drainage] Górnicki K. **Wiad Lek** 1983 Dec 1;36(23):1963–7 (16 ref.) **(Pol)**

[Cholangiography via laparoscopy in the differential diagnosis of neonatal hepatitis and bile duct atresia] Costa F, et al. **Arq Gastroenterol** 1983 Jan–Mar;20(1):24–7 (Eng. Abstr.) **(Por)**

[Roentgenological diagnosis of developmental anomalies of the biliary tract and its arteries] Lindenbraten LD, et al. **Klin Med (Mosk)** 1984 May;62(5):120–9 **(Rus)**

[Hereditary fructose intolerance mimicking congenital atresia of the bile ducts] Méndez Aparicio FM. **An Esp Pediatr** 1983 Sep;19(3):207–11 **(Spa)**

[Hepatobiliary scintigammagraphy in the differential diagnosis between neonatal hepatitis and bile duct atresia] Guiscafré H, et al. **Bol Med Hosp Infant Mex** 1983 Dec; 40(12):677–84 (Eng. Abstr.) **(Spa)**

[Apropos of a new case of Caroli's disease] Martín L, et al. **Rev Esp Enferm Apar Dig** 1984 Mar;65(3):265–70 (Eng. Abstr.) **(Spa)**

ANATOMY & HISTOLOGY

Comparison of the extrahepatic bile duct size measured by ultrasound and by different radiographic methods. Niederau C, et al. **Gastroenterology** 1984 Sep;87(3):615–21

Morphological changes in the liver of the sea lamprey, Petromyzon marinus L., during metamorphosis: I. Atresia of the bile ducts. Sidon EW, et al. **J Morphol** 1983 Jul; 177(1):109–24

[The cysticohepatic duct and the subvesicular duct. Apropos of 2 types of bile ducts of different significance] Champetier J, et al. **J Chir (Paris)** 1983 Oct;120(10):555–6 (Eng. Abstr.) **(Fre)**

[Sonography of vascular and biliary epigastric structures] Triller J, et al. **Computertomographie** 1981 Apr;1(1):21–7 (Eng. Abstr.) **(Ger)**

CYTOLOGY

Immunoreactivity of N-terminal fragment of gastrin-releasing peptide as histochemical marker for pancreatobiliary duct-type cells. Tsutsumi Y, et al. **Lab Invest** 1984 Jan;50(1):94–100

DRUG EFFECTS

Effects of papaverine on the relative distribution of 45Ca ions in subcellular fractions of hog biliary muscles. Kimura M, et al. **Biochem Pharmacol** 1984 Jan 15;33(2):281–7

Alpha-naphthylisothiocyanate-induced necrosis as an adjunctive tool in discriminating among bile duct cells. Malvaldi G, et al. **Pathologica** 1984 Jan–Feb;76(1041):103–6

IMMUNOLOGY

IgA plasma cells in biliary mucosa: a likely source of locally synthesized IgA in human hepatic bile. Nagura H, et al. **Clin Exp Immunol** 1983 Dec;54(3):671–80

Expression of HLA-DR antigens on bileduct cells of rejected liver transplant [letter] Takacs L, et al. **Lancet** 1983 Dec 24–31;2(8365–66):1500

INJURIES

Strategy for the use of biliary scintigraphy in non-iatrogenic biliary trauma. Zeman RK, et al. **Radiology** 1984 Jun; 151(3):771–7

Role of Tc-99m IDA scintigraphy in the evaluation of hepatobiliary trauma. Weissmann HS, et al. **Semin Nucl Med** 1983 Jul;13(3):199–222 (78 ref.)

Postoperative jaundice due to iatrogenic bile duct injury. Bazari H, et al. **South Med J** 1984 Jan;77(1):89–90

[Iatrogenic lesions of the bile ducts] Procházka M, et al. **Cas Lek Cesk** 1984 Jan 27;123(4):105–7 (Eng. Abstr.) **(Cze)**

[Accidental injuries of an accessory biliary duct during cholecystectomy] Ryttov N. **Ugeskr Laeger** 1983 Aug 1; 145(31):2376–7 (Eng. Abstr.) **(Dan)**

[Stab wounds of the liver and injuries of the extrahepatic bile ducts and vessels and specific features of their surgical treatment] Kiprenskii IuV, et al. **Vestn Khir** 1983 Sep; 131(9):86–9 (Eng. Abstr.) **(Rus)**

[Surgical lesions of the bile ducts. Treatment] Serrano Martínez R, et al. **Rev Esp Enferm Apar Dig** 1984 Mar; 65(3):239–48 (Eng. Abstr.) **(Spa)**

METABOLISM

Transcellular transport of proteins studied in vivo. Rohr G, et al. **Methods Enzymol** 1983;98:466–74

Levels of type I and type III collagen in the bile duct of rats infected with Fasciola hepatica. Mark LG, et al. **Mol Biochem Parasitol** 1983 Jul;8(3):253–62

Biliary and gastrointestinal excretion of chromium after administration of Cr-III and Cr-VI in rats. Manzo L, et al. **Res Commun Chem Pathol Pharmacol** 1983 Oct; 42(1):113–25

MICROBIOLOGY

Detection of hepatitis B virus DNA in hepatocytes, bile duct epithelium, and vascular elements by in situ hybridization. Blum HE, et al. **Proc Natl Acad Sci USA** 1983 Nov; 80(21):6685–8

PARASITOLOGY

Ascaris lumbricoides in bile duct: endoscopic and radiologic demonstration by ERCP [letter] Pérez-Machado L, et al. **Gastrointest Endosc** 1983 Nov;29(4):329

PATHOLOGY

Sclerosing cholangitis. Anatomical distribution of obstructive lesions. Cameron JL, et al. **Ann Surg** 1984 Jul;200(1):54–60

Isolation and partial characterizations of oval and hyperplastic bile ductular cell-enriched populations from the livers of carcinogen and noncarcinogen-treated rats. Sirica AE, et al. **Cancer Res** 1984 Aug;44(8):3454–66

Histological reconstruction of a Von Meyenburg's complex on the liver surface. Ohta W, et al. **Endoscopy** 1984 Mar; 16(2):71–4

Sclerosing cholangitis: broad spectrum of radiographic features. Chen LY, et al. **Gastrointest Radiol** 1984; 9(1):39–47

Hypertrophy of biliary epithelium in rats with portacaval shunt. Balabaud C, et al. **Liver** 1983 Dec;3(6):409–12

[Role of formalin in the occurrence of sclerosing lesions of the bile ducts. Experimental approach in dogs. Apropos of 3 clinical cases] Grimaud JC, et al. **J Chir (Paris)** 1984 Mar;121(3):163–9 (Eng. Abstr.) **(Fre)**

[Preoperative and postoperative lengths of extrahepatic biliary duct measured by direct cholangiography] Ogiya I. **Nippon Geka Gakkai Zasshi** 1984 Apr;85(4):324–37 (Eng. Abstr.) **(Jpn)**

[Mesenchymal liver hamartoma] Shabanov MA. **Arkh Patol** 1983;45(7):48–53 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

A possible mechanism for the changes in hepatic and intestinal alkaline phosphatase activities in bile-duct-ligated rats or guinea pigs. Koyama I, et al. **Biochim Biophys Acta** 1983 Oct 4;760(1):169–74

[A new technic for experimental measurement of biliary pressure] Caruso U, et al. **Boll Chim Farm** 1984 Jan; 123(1):36–40 (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

Diagnostic procedures in the evaluation of hepatic diseases. Functional evaluation of the biliary system. Leevy CM. **Lab Res Methods Biol Med** 1983;7:43–57 (13 ref.)

[Biliary involvement in chronic pancreatitis] Mott C de B, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1983 Dec; 38(6):223–5 **(Por)**

RADIONUCLIDE IMAGING

Demonstration of bronchobiliary fistula with Tc-99m diethyl IDA cholescintigraphy. Giulianotti PC, et al. **Clin Nucl Med** 1984 Jan;9(1):41–2

Etiology of the obstructive pattern in hepatobiliary imaging. Hughes KS, et al. **Clin Nucl Med** 1984 Apr;9(4):222–6

Esophageal reflux demonstrated on a hepatobiliary scan. Kramer EL, et al. **Clin Nucl Med** 1984 Mar;9(3):161–2

Hepatobiliary imaging as an aid in determining situs in a case of polysplenia. Poiga JP, et al. **Clin Nucl Med** 1984 Mar; 9(3):159–60

Hepatobiliary imaging for demonstration of bile leaks. Rozran RS, et al. **Clin Nucl Med** 1984 Apr;9(4):189–92

Afferent loop obstruction documented with hepatobiliary imaging. Rao K, et al. **Gastrointest Radiol** 1983;8(4):345–7

Quantification of tracer kinetics in intra- and extrahepatic bile ducts and of gallbladder filling rates in hepatobiliary dynamic scintigraphy using 99mTc-IDA derivates. Stritzke P, et al. **Nuklearmedizin** 1983 Aug;22(4):181–6

[Study of the motor function of the bile ducts in chronic pancreatitis by the technic of radionuclide hepatocholangiography] Klemashev IS, et al. **Klin Med (Mosk)** 1983 Jul;61(7):67–9 **(Rus)**

[Bile duct scintigraphy in icteric syndrome of younger infants] Betancourt F, et al. **Rev Chil Pediatr** 1983 Jul–Aug; 54(4):237–40 (Eng. Abstr.) **(Spa)**

SURGERY

Biliary carcinoma. A review of 109 cases. Alexander F, et al. **Am J Surg** 1984 Apr;147(4):503–9

Identification of accessory bile ducts at cholecystectomy [letter] De Sousa B. **Ann R Coll Surg Engl** 1984 Mar; 66(2):149

Crucial points of our hepatic portoenterostomy. Suruga K, et al. **J Pediatr Surg** 1984 Apr;19(2):171

[Choledochoduodenal fistulization under endoscopy. Report of 7 cases] An R. **Chung Hua Nei Ko Tsa Chih** 1983 Sep; 22(9):553–5 **(Chi)**

[Use of the gallbladder in the re-establishment of biliary continuity] Millat B. **Presse Med** 1984 Feb 18;13(7):437–8 (Eng. Abstr.) **(Fre)**

[Closure of the bile ducts following exploration] Lennert KA. **Chirurg** 1984 Jul;55(7):461–3 (Eng. Abstr.) **(Ger)**

[Transhepatic repositioning of a biliary endoprosthesis using a balloon catheter] Lammer J, et al. **ROFO** 1983 Oct; 139(4):444–5 **(Ger)**

[Removal of an obstruction in a bile duct prosthesis using a balloon catheter] Vadon G. **ROFO** 1984 Jun;140(6):737–8 **(Ger)**

[Surgery of the gallbladder and bile ducts in the aged] Peiper HJ, et al. **Zentralbl Chir** 1984;109(5):331–7 (Eng. Abstr.) **(Ger)**

[Acute postoperative pancreatitis. Apropos of 4 cases] Zanetti PP, et al. **Minerva Chir** 1983 Aug 15–31;38(15–16):1191–5 (Eng. Abstr.) **(Ita)**

[Sparing approaches during operations on the extrahepatic bile ducts and liver] Gredzhev AF, et al. **Khirurgiia (Mosk)** 1983 Aug;(8):127–30 **(Rus)**

[Transfistular endoscopic resection of residual stones in the bile ducts] Prudkov ID, et al. **Khirurgiia (Mosk)** 1983 Aug; (8):64–7 (Eng. Abstr.) **(Rus)**

[Early relaparotomy after surgery of the bile ducts in middle aged and aged patients] Radzikhovskii AP, et al. **Klin Khir** 1984 Jan;(1):63–6 (Eng. Abstr.) **(Rus)**

[Complex bilio-digestive anastomoses: scintillographic functional follow-up using Tc 99 HIDA] Gramática L, et al. **Rev Esp Enferm Apar Dig** 1984 Mar;65(3):249–51 (Eng. Abstr.) **(Spa)**

ULTRASTRUCTURE

Establishment of plasma membrane domains in hepatocytes. I. Characterization and localization to the bile canaliculus of three antigens externally oriented in the plasma membrane. Cook J, et al. **J Cell Biol** 1983 Dec; 97(6):1823–33

BILE DUCTS, INTRAHEPATIC

Caroli's disease — diagnostic procedures and management 22 years after initial diagnosis. De Plaen JL, et al. **Acta Clin Belg** 1983;38(6):391–6

Transcatheter embolization of the liver for control of massive hemobilia in a patient with adenocarcinoma of the gallbladder invading the intrahepatic biliary system. Asmat P, et al. **Am J Gastroenterol** 1983 Nov;78(11):761–4

Treatment of hilar carcinoma by bile drainage combined with internal radiotherapy using 192iridium wire. Fletcher MS, et al. **Br J Surg** 1983 Dec;70(12):733–5

Treatment of hilar cholangiocarcinoma by biliary drainage and internal radiotherapy [letter] Hadjis NS, et al. **Br J Surg** 1984 May;71(5):397–8

Intrahepatic biliary papillomatosis [letter] Stoker TA. **Br J Surg** 1984 May;71(5):398

Primary squamous cell carcinoma of the liver occurring in association with hepatolithiasis. Song E, et al. **Cancer** 1984 Feb 1;53(3):542–6

Endoscopic retrograde cholangiography (E.R.C.P.) and complicated hepatic hydatid cyst in the biliary tract. Moreira Vicente VF, et al. **Endoscopy** 1984 May; 16(3):124–6

Congenital bile duct dilatation (Caroli's disease—Grumbach's disease). Lammer J, et al. **Eur J Radiol** 1984 Aug; 4(3):198–201

Use of fiberoptic choledochoscope in common bile duct and intrahepatic duct exploration. Chen MF, et al. **Gastrointest Endosc** 1983 Nov;29(4):276–8

Caroli's disease in childhood: report of two new cases. Fagundes-Neto U, et al. **J Pediatr Gastroenterol Nutr** 1983 Nov;2(4):708–11

Surgery and hepatic duct carcinoma [letter] Blumgart LH, et al. **Lancet** 1984 Apr 7;1(8380):795

Intrahepatic calculi. **Prog Clin Biol Res** 1984;152:1–340

Surgical treatment of hepatic calculi. Balasegaram M. **Prog Clin Biol Res** 1984;152:283–301

Sphincteroplasty. Choi TK. **Prog Clin Biol Res** 1984; 152:269–82

Pathogenesis of the calcium bilirubinate stone. Maki T, et al. **Prog Clin Biol Res** 1984;152:81–90

Clinical features and classification of hepatolithiasis. Nakayama F, et al. **Prog Clin Biol Res** 1984;152:115–27

Intrahepatic stones: epidemiology and etiology. Nakayama F. **Prog Clin Biol Res** 1984;152:17–28

Pathology of hepatolithiasis: cholangitis and cholangiocarcinoma. Ohta G, et al. **Prog Clin Biol Res** 1984;152:91–113

Diagnosis of hepatolithiasis. Ohto M, et al. **Prog Clin Biol Res** 1984;152:129–48

Postoperative choledochofiberscopy. Sheen PC, et al. **Prog Clin Biol Res** 1984;152:303–19

Types and chemical composition of intrahepatic stones. Suzuki N, et al. **Prog Clin Biol Res** 1984;152:71–80

Bacteriology of hepatolithiasis. Tabata M, et al. **Prog Clin Biol Res** 1984;152:163–74 (53 ref.)

Recurrent pyogenic cholangitis. Wong J, et al. **Prog Clin Biol Res** 1984;152:175–92

Percutaneous transhepatic stone extraction technique for management of retained biliary tract stones. Yamakawa T. **Prog Clin Biol Res** 1984;152:253–68 (25 ref.)

Papillomatosis of the intrahepatic bile ducts. Mercadier M, et al. **World J Surg** 1984 Feb;8(1):30–5

Hepatic hemobilia: hemorrhage from the intrahepatic biliary tract, a review. Sandblom P, et al. **World J Surg** 1984 Feb; 8(1):41–50 (22 ref.)

[Intrahepatic cholelithiasis] Wang CE. **Chung Hua Wai Ko Tsa Chih** 1983 Jun;21(6):332–4 (Eng. Abstr.) **(Chi)**

[Clinical analysis of 623 cases of intrahepatic bile duct stones] Wei BY. **Chung Hua Wai Ko Tsa Chih** 1983 Jun;21(6):335–7 (Eng. Abstr.) **(Chi)**

[Intrahepatic gallstones] Xia LF. **Chung Hua Wai Ko Tsa Chih** 1983 Jun;21(6):330–1 (Eng. Abstr.) **(Chi)**

[Biliary peritonitis caused by perforation of the intra-hepatic biliary ducts. 2 new cases] Ould Said H, et al. **J Chir (Paris)** 1983 Oct;120(10):551–3 (Eng. Abstr.) **(Fre)**

[Percutaneous transhepatic bile duct prosthesis] Vadon G. **Orv Hetil** 1983 Oct 9;124(41):2493–5 (Eng. Abstr.) **(Hun)**

[Mode of spread of intrahepatic bile duct carcinoma] Kurashina M, et al. **Gan No Rinsho** 1983 Sep;29(11):1314–8 (Eng. Abstr.) **(Jpn)**

[A new direct solubilizer for bilirubinate calcium stones] Asakawa S, et al. **Nippon Geka Gakkai Zasshi** 1983 Oct; 84(10):1072–83 (Eng. Abstr.) **(Jpn)**

[Case report of Caroli's disease with various complications] Bandoh T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Jun;80(6):1340–4 **(Jpn)**

[Image diagnosis of cholangiocellular carcinoma] Ohta H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Sep; 80(9):1747–53 (Eng. Abstr.) **(Jpn)**

[Computed tomography of intrahepatic cholangiocarcinoma (peripheral type)] Kamimura R, et al. **Rinsho Hoshasen** 1983 Oct;28(10):1055–9 (Eng. Abstr.) **(Jpn)**

[Internal biliary fistulas] Shapkin VS, et al. **Khirurgiia (Mosk)** 1984 Feb;(2):110–3 **(Rus)**

[Diagnosis and treatment of primary liver cancer] Nikhinson RA. **Vopr Onkol** 1984;30(5):82–4 (Eng. Abstr.) **(Rus)**

[Caroli's disease manifested by fever of unknown origin in 2 brothers] Frati-Munari AC, et al. **Gac Med Mex** 1983 Oct;119(10):415–9 **(Spa)**

ABNORMALITIES

Caroli's disease associated with hepatic fibrosis, policystic renal disease, epiphysiolysis of the hip and growth retardation. Zornoza G, et al. **Acta Gastroenterol Belg** 1983 Jan–Feb;46(1–2):21–6

Congenital choledochal cyst with intrahepatic involvement. Todani T, et al. **Arch Surg** 1984 Sep;119(9):1038–43

Generalized pruritus in a baby as a presenting feature of the arteriohepatic dysplasia syndrome. Ryatt KS, et al. **Clin Exp Dermatol** 1983 Nov;8(6):657–61

Partial hepatectomy in the treatment of Caroli's disease. Report of a case and review of the literature. Ramond MJ, et al. **Dig Dis Sci** 1984 Apr;29(4):367–70

Caroli's disease with common duct stones and ascariasis. Juttijudata P, et al. **J Clin Gastroenterol** 1984 Apr; 6(2):143–4

Cholecystohepatic connections in a case of extrahepatic biliary atresia. A 27-year follow-up. Schorlemmer GR, et al. **JAMA** 1984 Sep 14;252(10):1319–20

Caroli's disease. Mercadier M, et al. **World J Surg** 1984 Feb; 8(1):22–9 (20 ref.)

[Caroli's disease—apropos of a case with localization in the left lobe of the liver] Chervenkov PG, et al. **Khirurgiia (Sofiia)** 1984;37(1):55–70 **(Bul)**

[Caroli's disease] Michek J, et al. **Rozhl Chir** 1984 Feb; 63(2):135–9 (Eng. Abstr.) **(Cze)**

[Caroli's disease] Mercadier M, et al. **Chirurgie** 1983; 109(8):650–5 (Eng. Abstr.) **(Fre)**

[Clinical course and prognosis of the Caroli's syndrome as exemplified by a 53-year-old female patient] Becker-Boost I, et al. **Med Welt** 1983 Oct 28;34(43):1221–4 **(Ger)**

[Caroli's syndrome] Bretzke G, et al. **Z Arztl Fortbild (Jena)** 1983;77(17):739–40 **(Ger)**

[Omento-porto-duodeno-pexy in the treatment of bile-duct atresia and hypoplasia in infants] Waldschmidt J, et al. **Z Kinderchir** 1983 Oct;38(5):320–9 (Eng. Abstr.) **(Ger)**

[Intrahepatic bile duct atresia in congenital generalized cytomegalovirus infection] Kendrey G, et al. **Morphol Igazsagugyi Orv Sz** 1984 Apr;24(2):104–10 (Eng. Abstr.) **(Hun)**

[Clinical considerations on a case of Caroli disease] Cusumano S, et al. **Minerva Med** 1984 Jun 30; 75(27):1667–72 (Eng. Abstr.) **(Ita)**

[Caroli's disease. A report of recent cases] Ceppi M, et al. **Pathologica** 1983 Nov-Dec;75(1040):837–46 (Eng. Abstr.) **(Ita)**

[Congenital dilatation of the intrahepatic bile ducts associated with hepatic fibrosis (Caroli disease II): echographic and scintigraphic aspects in a 7-year-old girl] Parisi L, et al. **Radiol Med (Torino)** 1983 May;69(5):335–7 **(Ita)**

ANATOMY & HISTOLOGY

[Variants of the main bile duct in the hepatic pedicle; surgical implications] Ciobanu C. **Rev Chir [Chir]** 1984 Mar-Apr; 33(2):131–7 (Eng. Abstr.) **(Rum)**

DRUG EFFECTS

Ultrastructural changes of intrahepatic bile ductules in griseofulvin fed mice. Shapiro SH, et al. **Ann Clin Lab Sci** 1984 Jan–Feb;14(1):69–77

Taurocholate accelerates bile canalicular contractions in isolated rat hepatocytes. Miyairi M, et al. **Gastroenterology** 1984 Oct;87(4):788–92

Bile duct scarring following ethanol embolization of the hepatic artery: an experimental study in monkeys. Doppman JL, et al. **Radiology** 1984 Sep;152(3):621–6

EMBRYOLOGY

The origin of intrahepatic bile duct cells in the mouse. Shiojiri N. **J Embryol Exp Morphol** 1984 Feb;79:25–39

GROWTH & DEVELOPMENT

Morphological changes in the liver of the sea lamprey, Petromyzon marinus L., during metamorphosis. II. Canalicular degeneration and transformation of the hepatocytes. Sidon EW, et al. **J Morphol** 1983 Dec; 178(3):225–46

METABOLISM

Biliary transport of glutathione disulfide studied with isolated rat-liver canalicular-membrane vesicles. Akerboom T, et al. **Eur J Biochem** 1984 May 15;141(1):211–5

Increased tight junction permeability: a possible mechanism of oestrogen cholestasis. Elias E, et al. **Eur J Clin Invest** 1983 Oct;13(5):383–90

PATHOLOGY

Florid duct lesions and extensive bile duct loss of the intrahepatic biliary tree in chronic liver diseases other than primary biliary cirrhosis. Nakanuma Y, et al. **Acta Pathol Jpn** 1983 Nov;33(6):1095–104

NIH conference: Primary biliary cirrhosis: a model autoimmune disease [clinical conference] James SP, et al. **Ann Intern Med** 1983 Oct;99(4):500–12

Unusual renal mass in a middle-aged woman [clinical conference] Sant GR, et al. **J Urol** 1983 Dec;130(6):1156–9

Histopathology of the intrahepatic biliary tree. **Liver** 1983 Jun;3(3):161–75

Intrahepatic biliary stricture in association with choledochal cyst. Dunn DH, et al. **Minn Med** 1984 Jul;67(7):367–9

Abnormal bile duct epithelium accompanying septicaemia. Vyberg M, et al. **Virchows Arch [A]** 1984;402(4):451–8

Strictures of the intrahepatic bile ducts. Mercadier M, et al. **World J Surg** 1984 Feb;8(1):15–21 (20 ref.)

Hepatolithiasis: present status. Nakayama F, et al. **World J Surg** 1984 Feb;8(1):9–14 (28 ref.)

[Hepatolithiasis. A fatal case] Vedel T, et al. **Ugeskr Laeger** 1984 Mar 19;146(12):885–6 (Eng. Abstr.) **(Dan)**

[Localized Caroli's disease associated with mucosecreting papillary adenocarcinoma. Value of hepatic resection] Chevillotte G, et al. **Presse Med** 1984 Apr 28;13(18):1137–9 (Eng. Abstr.) **(Fre)**

[Clinical and pathological studies on changes of interlobular bile ducts in acute viral hepatitis with zonal necrosis] Yamada S, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Jan;81(1):66–71 (Eng. Abstr.) **(Jpn)**

[Cystadenoma of the intrahepatic bile ducts] Papla B, et al. **Patol Pol** 1983 Oct-Dec;34(4):417–20 (Eng. Abstr.) **(Pol)**

[Fibrocholangioscopy in the diagnosis and treatment of intrahepatic lithiasis] Sotnikov VN, et al. **Khirurgiia (Mosk)** 1983 Aug;(8):52–5 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Biliary response to food in chickens with intact or interrupted enterohepatic circulation. Lisbona F, et al. **Rev Esp Fisiol** 1983 Sep;39(3):305–10

PHYSIOPATHOLOGY

[Clinical study of primary intrahepatic stones] Chang-Chien CS, et al. **Taiwan I Hsueh Hui Tsa Chih** 1983 Aug; 82(8):936–40 (Eng. Abstr.) **(Chi)**

RADIOGRAPHY

Caroli's disease: role of endoscopic retrograde cholangiopancreatography. Missavage AE, et al. **Am J Gastroenterol** 1983 Dec;78(12):815–7

Short-channel duodenoscope: innovations in selective biliography. Frimberger E, et al. **Endoscopy** 1983 Nov; 15(6):359–61

Cholangiographic features in hepatolithiasis. Kimura K, et al. **Prog Clin Biol Res** 1984;152:149–62

[Radiologic study of the hepatic segmentation using endoscopic retrograde cholangiography] Picardi N, et al. **Ann Ital Chir** 1983;55(3):245–61 (Eng. Abstr.) **(Ita)**

[Computed tomography of hepatocellular carcinoma—dilatation of intrahepatic bile duct] Choi S, et al. **Rinsho Hoshasen** 1983 Oct;28(10):1049–53 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

[Diagnosis of bile reflux into the intrahepatic bile ducts using radionuclide hepatocholecystography] Mtvaradze AS. **Med Radiol (Mosk)** 1984 Jan;29(1):32–4 **(Rus)**

SECRETION

Physiologic determinants of biliary calcium secretion in the dog. Cummings SA, et al. **Gastroenterology** 1984 Sep; 87(3):664–73

SURGERY

Long-term survival and course after 'Longmire' intrahepatic cholangio-jejunostomy. Ibrahim WF, et al. **Am J Gastroenterol** 1983 Dec;78(12):818–21

Hepaticojejunostomy in benign and malignant high bile duct stricture: approaches to the left hepatic ducts. Blumgart LH, et al. **Br J Surg** 1984 Apr;71(4):257–61

Intrahepatic biliary papillomatosis. Gouma DJ, et al. **Br J Surg** 1984 Jan;71(1):72–4

Surgical management of primary bile-duct carcinoma. Keith RG, et al. **Can J Surg** 1984 Jan;27(1):51–4

Spontaneous rupture of intrahepatic bile ducts. Walker WS, et al. **J R Coll Surg Edinb** 1983 Jul;28(4):244–5

Management of massive hemobilia with angiographic embolization. Todo S, et al. **Jpn J Surg** 1983 Jul; 13(4):348–53

Endoscopic laser treatment of intrahepatic stones. Kouzu T, et al. **Prog Clin Biol Res** 1984;152:321–32

Modified Longmire's operation for proximal extrahepatic biliary obstruction. Goh HS, et al. **Singapore Med J** 1984 Apr;25(2):92–6

A new secured technique for intrahepatic cholangiojejunostomy and drainage of bile. Kanematsu T, et al. **Surg Gynecol Obstet** 1984 Jul;159(1):84–7

Choice of treatment for hepatolithiasis based on pathological findings. Koga A, et al. **World J Surg** 1984 Feb;8(1):36–40

Reoperation for biliary atresia after hepatic

portoenterostomy—experience in 29 cases with a report on the longest survivor in Japan. Saito S, et al. **Z Kinderchir** 1984 Apr;39(2):99–101

[Stenosis of the left hepatic duct with intrahepatic lithiasis: treatment by the percutaneous transhepatic approach] Ponsot P, et al. **Gastroenterol Clin Biol** 1984 Apr;8(4):325–9 (Eng. Abstr.) **(Fre)**

[Hepaticojejunostomy for intrahepatic lithiasis. Complementary procedures] Manenti A. **Presse Med** 1984 Apr 21;13(17):1091–2 (Eng. Abstr.) **(Fre)**

[Use of the midline transhepatic access to the biliary junction in the presence of massive postoperative hilar sclerosis. Note on the surgical technic] Lago TF, et al. **Ann Ital Chir** 1983;55(6):537–45 (Eng. Abstr.) **(Ita)**

[Spontaneous rupture of the intrahepatic bile ducts as a cause of biliary peritonitis] Veselov VS, et al. **Vestn Khir** 1983 Oct;131(10):60–2 **(Rus)**

ULTRASTRUCTURE

A monomeric methyl and hydroxypropyl methacrylate injection medium and its utility in casting blood capillaries and liver bile canaliculi for scanning electron microscopy. Murakami T, et al. **Arch Histol Jpn** 1984 Jun;47(2):223–37

Primary cultures of rat hepatocytes as a model system of canalicular development, biliary secretion, and intrahepatic cholestasis. IV. Disintegration of bile canaliculi and disturbance of tight junction formation caused by vinblastine. Robenek H, et al. **Eur J Cell Biol** 1983 Sep; 31(2):283–9

Detection of mitochondria in bile canaliculi in early stage primary biliary cirrhosis cases. Namihisa T, et al. **Gastroenterol Jpn** 1983 Oct;18(5):445–52

A hitherto unrecognized bile ductular plexus in normal rat liver. Yamamoto K, et al. **Hepatology** 1984 May–Jun; 4(3):381–5

Structural hepatic changes associated with cyanamide treatment: cholangiolar proliferation, fibrosis and cirrhosis. Moreno A, et al. **Liver** 1984 Feb;4(1):15–21

Ultrastructure of liver cell and bile duct carcinomas. Ordóñez NG, et al. **Ultrastruct Pathol** 1983 Sep–Oct;5(2–3):201–41

[Comparative anatomy of the canaliculo–ductular junctions of the vertebrate livers] Satoh H. **Fukuoka Igaku Zasshi** 1983 Sep;74(9):584–99 (Eng. Abstr.) **(Jpn)**

BILE PIGMENTS

ANALYSIS

Free radical signal of bile pigment in paraffin embedded liver tissue. Elek G, et al. **Histochemistry** 1983;79(3):405–15

Bilin attachment sites in the alpha and beta subunits of B-phycoerythrin. Structural studies on a doubly peptide-linked phycoerythrobilin. Schoenleber RW, et al. **J Biol Chem** 1984 May 10;259(9):5481–4

Effects of ethanol infusion on serum hemoglobin and bile pigments. Schwesinger WH, et al. **J Surg Res** 1984 Jul; 37(1):43–7

Types and chemical composition of intrahepatic stones. Suzuki N, et al. **Prog Clin Biol Res** 1984;152:71–80

[Bile pigment analysis by high performance liquid chromatography] Inagaki T. **Nippon Shokakibyo Gakkai Zasshi** 1983 May;80(5):1178–87 (Eng. Abstr.) **(Jpn)**

BLOOD

A 1983 assessment of the value of bile pigment determinations in the diagnosis of jaundice. Billing BH. **Postgrad Med J** 1983;59 Suppl 4:19–25

METABOLISM

Bile pigments and bilirubin UDP-glucuronyl transferase during the metamorphosis of Rana catesbeiana tadpoles. Cole KD, et al. **Comp Biochem Physiol [B]** 1983;76(3):503–6

Pigment sludge and stone formation in the acutely ligated dog gallbladder. Bernhoft RA, et al. **Gastroenterology** 1983 Nov;85(5):1166–71

Bilin attachment sites in the alpha and beta subunits of B-phycoerythrin. Amino acid sequence studies. Lundell DJ, et al. **J Biol Chem** 1984 May 10;259(9):5472–80

Bilirubin solubility and the etiology of pigment gallstones. Ostrow JD. **Prog Clin Biol Res** 1984;152:53–69 (77 ref.)

Mechanisms of formation, hepatic transport, and metabolism of bile pigments. Whitmer DI, et al. **Prog Clin Biol Res** 1984;152:29–52 (126 ref.)

RADIATION EFFECTS

The radical ions and photoionization of bile pigments. Land EJ, et al. **Radiat Res** 1983 Dec;96(3):450–61

BILE REFLUX see under **BILIARY TRACT DISEASES**

BILE SALTS see **BILE ACIDS AND SALTS**

BILHARCID see under **ANTIMONY**

BILHARZIA see **SCHISTOSOMA**

BILHARZIASIS see **SCHISTOSOMIASIS**

BILIARY CALCULI see **CHOLELITHIASIS**

BILIARY CALCULI, COMMON BILE DUCT see **COMMON BILE DUCT CALCULI**

BILIARY CIRRHOSIS see **LIVER CIRRHOSIS, BILIARY**

BILIARY DYSKINESIA

BLOOD

[Cholacidemia characteristics of patients with biliary dyskinesia] Slivka Ola, et al. **Vrach Delo** 1984 Jul;(7):22–4 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

[Psychic and autonomic disorders in biliary dyskinesia] Bratoliubova TN, et al. **Klin Med (Mosk)** 1983 Nov; 61(11):133–5 (Eng. Abstr.) **(Rus)**

[Various diagnostic tests in biliary tract pathology in children] Druzhinina EI, et al. **Pediatriia** 1983 Oct;(10):43–5 **(Rus)**

[Biliary dyskinesia in very young children] Druzhinina EI, et al. **Pediatriia** 1983 Aug;(8):45–7 **(Rus)**

DRUG THERAPY

[Clinical trial of the preparation Verbascan in treating gastrointestinal and biliary diseases] Dimitrov B, et al. **Vutr Boles** 1983;22(1):18–24 (Eng. Abstr.) **(Bul)**

[Effects of tiropramide on gallbladder emptying in patients with a dyspeptic syndrome associated with biliary dyskinesia] Arienti V, et al. **Minerva Med** 1984 Jan 14; 75(1–2):33–7 (Eng. Abstr.) **(Ita)**

ETIOLOGY

[Gallbladder atony and celiac disease in adults. Radiographic and echographic study of 15 cases] Delamarre J, et al. **J Radiol** 1984 Mar;65(3):133–6 (Eng. Abstr.) **(Fre)**

[Therapy of dyskinesia of Oddiś sphincter with calcium antagonists] Simon L, et al. **Orv Hetil** 1983 Nov 13; 124(46):2805–9 (Eng. Abstr.) **(Hun)**

[Clinical considerations on a case of Caroli disease] Cusumano S, et al. **Minerva Med** 1984 Jun 30; 75(27):1667–72 (Eng. Abstr.) **(Ita)**

PATHOLOGY

[Evaluation of the results of duodenoscopy in various digestive system diseases] Voloshin AI. **Vrach Delo** 1983 Jul;(7):45–8 **(Rus)**

PHYSIOPATHOLOGY

[Liver excretory function in children with biliary tract dyskinesia] Matveev MP, et al. **Pediatriia** 1984 Feb;(2):50–2 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Computed tomography in Caroli's disease. Sarno RC, et al. **Comput Radiol** 1983 Sep–Oct;7(5):287–90

[Caroli syndrome—a chance finding during postoperative T-drain cholangiography] Jenss H, et al. **ROFO** 1983 Nov; 139(5):576–8 **(Ger)**

[Gallbladder dyskinesia in children] Zernov NG, et al. **Pediatriia** 1983 Oct;(10):45–7 **(Rus)**

RADIONUCLIDE IMAGING

The dilated common duct sign. A potential indicator of a sphincter of Oddi dyskinesia. DeRidder P, et al. **Clin Nucl Med** 1984 May;9(5):262–3

[Comparison of results of scintigraphic examination of the hepatobiliary system in patients with duodenal ulcer, cholelithiasis and liver cirrhosis] Kushnir VE, et al. **Vrach Delo** 1984 Jun;(6):77–81 (Eng. Abstr.) **(Rus)**

SURGERY

[Surgical treatment of cholecystopathies] Gribkov IuI, et al. **Khirurgiia (Mosk)** 1984 Feb;(2):32–5 (Eng. Abstr.) **(Rus)**

BILIARY FISTULA

[Choleperitonitis after hepatoportocholecystostomy for atresia of the biliary tract] Gauthier F, et al. **Chir Pediatr** 1984;25(2):90–4 (Eng. Abstr.) **(Fre)**

[Spontaneous internal biliary fistulas] Salvador Fernández L, et al. **Rev Esp Enferm Apar Dig** 1984 May;65(5):437–44 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Pseudo-obstruction of the biliary tract associated with a traumatic biliary fistula. Kidder RE, et al. **Clin Nucl Med** 1984 May;9(5):259–61

Disappearing gallstones [letter] Watts GT. **Lancet** 1984 Jun 30;1(8392):1465

Cholecystoduodenal fistula with duodenal bulb obstruction. Case reports (Bouveret's syndrome). Scott CA, et al. **Mo Med** 1984 Feb;81(2):69–72

[Cholelithic intestinal obstruction] Topchiashvili ZA, et al. **Vestn Khir** 1984 Apr;132(4):41–6 (Eng. Abstr.) **(Rus)**

[Bouveret syndrome. Report of a new case] Gastaminza Goicoechea R, et al. **Rev Esp Enferm Apar Dig** 1984 Mar; 65(3):259–63 (Eng. Abstr.) **(Spa)**

CONGENITAL

Congenital bronchobiliary fistula associated with biliary atresia. Chan YT, et al. **Br J Surg** 1984 Mar;71(3):240–1

DIAGNOSIS

Anomalies of the bile ducts: a case report of direct drain of the cystic duct into the papilla of Vater. Watanabe A, et al. **Acta Med Okayama** 1983 Oct;37(5):409–15

The ultrasound appearance of an arterio–biliary fistula. Greenberg M, et al. **JCU** 1983 Aug;11(6):323–5

Spontaneous biliary enteric fistulas. LeBlanc KA, et al. **South Med J** 1983 Oct;76(10):1249–52

[Colonoscopic transfistula gallstone extraction (letter)] Kühner W, et al. **Dtsch Med Wochenschr** 1984 Sep 7; 109(36):1384 **(Ger)**

[Spontaneous bilio–digestive fistulas: clinico–therapeutic considerations] Angelici A, et al. **Ann Ital Chir** 1983; 55(6):547–55 **(Ita)**

[A case of spontaneous cholecysto–cutaneous fistula] Zina AM, et al. **G Ital Dermatol Venereol** 1982 May–Jun; 117(3):171–2 (Eng. Abstr.) **(Ita)**

[Fistula from the gallbladder to the stomach] Høvik O, et al. **Tidsskr Nor Laegeforen** 1984 Aug 10;104(22):1417 (Eng. Abstr.) **(Nor)**

[Internal biliary fistulas] Shapkin VS, et al. **Khirurgiia (Mosk)** 1984 Feb;(2):110–3 **(Rus)**

ETIOLOGY

Choledochoduodenal fistula: a rare complication of duodenal ulcer. Michowitz M, et al. **Am J Gastroenterol** 1984 May; 79(5):416–20

Biliary–bronchial fistula due to old hydatid cyst demonstrated with Tc-HIDA. Bretland PM. **Br J Radiol** 1983 Oct; 56(670):757–9

Hepatic amoebic abscess communicating with the biliary tree. Griffin J, et al. **Br J Radiol** 1983 Nov;56(671):887–90

The aetiology and significance of distal choledochoduodenal fistula. Martin DF, et al. **Br J Surg** 1984 Aug;71(8):632–4

Biliobronchial fistula following pyogenic liver abscess. Lane RA, et al. **Can J Surg** 1983 Nov;26(6):521–2

Hemobilia from ruptured hepatic artery aneurysm: angiographic demonstration of arteriobiliary fistula in a successfully treated case. Casula G, et al. **Gastrointest Radiol** 1984;9(2):171–3

Bronchobiliary fistula after hepatic resection for metastatic colon cancer. George TK, et al. **J Surg Oncol** 1984 Mar; 25(3):198–200

Post-traumatic thoracobiliary fistula. Ivatury RR, et al. **J Trauma** 1984 May;24(5):438–42

Fistulous communication of pseudocyst to the common bile duct: a complication of pancreatitis. DeVanna T, et al. **Pediatr Radiol** 1983;13(6):344–5

Traumatic external biliary fistula. Thorsen WB Jr, et al. **Penn Med** 1984 Apr;87(4):48–9

[Late complications of a cholecystotomy] Champetier J, et al. **Ann Chir** 1983 May;37(4):316–7 (Eng. Abstr.) **(Fre)**

[Compressive tuberculous lymphadenitis of the common bile duct: spontaneous recovery by fistulization in the choledochus] Lafay JP, et al. **Gastroenterol Clin Biol** 1983 Nov;7(11):915–8 (Eng. Abstr.) **(Fre)**

[Lithic choledocho–duodenal fistula] Gertsch P, et al. **Schweiz Rundsch Med Prax** 1984 Feb 14;73(7):209–11 (Eng. Abstr.) **(Fre)**

[Percutaneous drainage of a cholangitic hepatic abscess communicating with the bile ducts] Chudáček Z, et al. **ROFO** 1984 Apr;140(4):470–1 **(Ger)**

[Iatrogenic biliovenous fistula] Maxeiner H. **Z Rechtsmed** 1984;91(3):235–46 (Eng. Abstr.) **(Ger)**

[Biliary–digestive fistula of lithiasis origin. Considerations on 20 observations] Sarli L, et al. **Ann Ital Chir** 1983; 55(3):237–44 (Eng. Abstr.) **(Ita)**

[Case of bronchobiliary fistula due to congenital anomalies of the liver and biliary tract] Iuchi K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Mar;21(3):282–7 (Eng. Abstr.) **(Jpn)**

[Biliary–broncho–pleural fistula in liver echinococcosis] Rustamov IR, et al. **Klin Khir** 1984 Mar;(3):56 **(Rus)**

[Hepatic hydatidosis with fistulization into the chest cavity. Presentation of 3 cases] Criado Fernández MP, et al. **Rev Esp Enferm Apar Dig** 1983 Aug;64(2):145–9 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Visualization of a bronchobiliary fistula during cholescintigraphy with 99mTc-diethyl-IDA. Mazzuca N, et al. **J Nucl Med Allied Sci** 1983 Jul–Sep;27(3):257–60

[A case with cholecystoduodenal fistula and CAT scanning] Iizumi S, et al. **Rinsho Hoshasen** 1983 Dec;28(13):1595–8 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

Demonstration of bronchobiliary fistula with Tc-99m diethyl IDA cholescintigraphy. Giulianotti PC, et al. **Clin Nucl Med** 1984 Jan;9(1):41–2

The use of technetium-99m-di-isopropyl-iminodiacetic acid imaging in the demonstration of a biliary-bronchial fistula. Savitch I, et al. **S Afr Med J** 1984 May 12;65(19):779–80

[Diagnosis of bronchobiliary fistula] Auracher JB. **Zentralbl Chir** 1983;108(18):1158–9 **(Ger)**

SURGERY

Cholecystoduodenocolic fistula with recurrent gallstone ileus. Pangan JC, et al. **Arch Surg** 1984 Oct;119(10):1201–3
Surgical treatment of bronchobiliary fistulas. Warren KW, et al. **Surg Gynecol Obstet** 1983 Oct;157(4):351–6
[Marsupialization of the gallbladder mistakenly identified as an echinococcal cyst with the formation of a biliary fistula secondary to choledocholithiasis] Merdzhanov A, et al. **Khirurgiia (Sofiia)** 1983;36(3):271–2 **(Bul)**
[Internal biliary fistulas as a complication of nontumoral diseases and injuries of the bile ducts] Shalimov SA, et al. **Klin Khir** 1983 Sep;(9):19–23 (Eng. Abstr.) **(Rus)**
[Spontaneous internal biliary fistulas] Topchiashvili ZA, et al. **Vestn Khir** 1984 May;132(5):33–6 (Eng. Abstr.) **(Rus)**

VETERINARY

Bronchobiliary fistula in a cow. Welker FH, et al. **J Am Vet Med Assoc** 1984 Aug 15;185(4):440–1

BILIARY STASIS see **CHOLESTASIS**

BILIARY STASIS, EXTRAHEPATIC see **BILE DUCT OBSTRUCTION, EXTRAHEPATIC**

BILIARY STASIS, INTRAHEPATIC see **CHOLESTASIS, INTRAHEPATIC**

BILIARY TRACT

see related
CHOLAGOGUES AND CHOLERETICS
CHOLANGIOGRAPHY
CHOLECYSTOGRAPHY

Nasogastric biliary endoprosthesis removal. Yrizarry JM, et al. **AJR** 1984 Oct;143(4):819–20
Biliary endoprostheses for the management of retained common bile duct stones. Siegel JH, et al. **Am J Gastroenterol** 1984 Jan;79(1):50–4
Bone histomorphometry and vitamin D status after biliopancreatic bypass for obesity. Compston JE, et al. **Gastroenterology** 1984 Aug;87(2):350–6
[Continuously maintained transtumoral intubation. An effective palliative measure in the treatment of neoplastic jaundice] Henry X, et al. **Chirurgie** 1984;110(3):274–9 (Eng. Abstr.) **(Fre)**
[The transparieto-hepatic catheter in the diagnosis and therapy of obstructive jaundice] Donini I, et al. **Minerva Chir** 1983 Oct 15;38(19):1421–3 **(Ita)**

ABNORMALITIES

Neonatal obstructive cholangiopathy. Bhasin DK, et al. **Indian Pediatr** 1983 Oct;20(10):779–83
A study on hepatic portoenterostomy for the treatment of atresia of the biliary tract. Suruga K, et al. **Surg Gynecol Obstet** 1984 Jul;159(1):53–8
[Congenital dilatation of the biliary tree] Hernández N, et al. **Rev Esp Enferm Apar Dig** 1984 Feb;65(2):181–3 (Eng. Abstr.) **(Spa)**

ANALYSIS

Peptide immunoreactive nerves and cells of the guinea pig gall bladder and biliary pathways. Cai W, et al. **Gut** 1983 Dec;24(12):1186–93

ANATOMY & HISTOLOGY

Effect of examination time of day on the quality of real-time cholesonograms. Hess ML, et al. **AJR** 1984 Aug; 143(2):251–3

BLOOD SUPPLY

[Roentgenological diagnosis of developmental anomalies of the biliary tract and its arteries] Lindenbraten LD, et al. **Klin Med (Mosk)** 1984 May;62(5):120–9 **(Rus)**

DRUG EFFECTS

Depression of biliary glutathione excretion by chronic ethanol feeding in the rat. Vendemiale G, et al. **Life Sci** 1984 Mar 12;34(11):1065–73

ENZYMOLOGY

Effect of chronic ethanol consumption on the cellular and subcellular distribution of gamma-glutamyltransferase in rat liver. Halsall S, et al. **Enzyme** 1984;31(4):221–8

INJURIES

[Injuries of the biliary tract] Podzimek A, et al. **Rozhl Chir** 1984 Jun;63(6):428–35 (Eng. Abstr.) **(Cze)**

METABOLISM

Biliary excretion of infused conjugated sulfobromophthalein in sheep heterozygote for the transport defect present in mutant Corriedale sheep. Barnhart JL, et al. **Am J Vet Res** 1983 Dec;44(12):2403–4
Neuropeptide Y in the guinea-pig biliary tract. Allen JM, et al. **Experientia** 1984 Jul 15;40(7):765–7
Amikacin levels in the human biliary tract. LeFrock JL, et al. **J Clin Pharmacol** 1984 May-Jun;24(5–6):247–54
The excretion of antibiotics by the biliary tract. Nagar H, et al. **Surg Gynecol Obstet** 1984 Jun;158(6):601–7 (96 ref.)

MICROBIOLOGY

Association between biliary tract cancer and gastric cancer [letter] Caygill C, et al. **Lancet** 1983 Nov 19;2(8360):1204–5

PATHOLOGY

Damage to the biliary tract of rabbits during warm or cold ischemia. Yang Z, et al. **Acta Acad Med Wuhan** 1983; 3(3):180–4
[Damage occurring as the result of complete mechanical jaundice and degree of reversibility (experimental observations)] Magomedov AZ. **Khirurgiia (Sofiia)** 1983; 36(4):305–10 **(Bul)**
[Damage to the biliary tract of rabbits during warm or cold liver ischemia] Yang Z. **Chung Hua Wai Ko Tsa Chih** 1983 Nov;21(11):667–9 **(Chi)**
[Treatment of biliary tract strictures in opisthorchiasis] Al'perovich BI, et al. **Khirurgiia (Mosk)** 1983 Aug;(8):40–3 (Eng. Abstr.) **(Rus)**
[Pathology of the biliary tract and pancreatic duct in cholelithiasis patients] Ivanchenkova RA, et al. **Klin Med (Mosk)** 1984 Feb;62(2):53–7 **(Rus)**

PHYSIOLOGY

Effects of increased biliary resistance on bile secretion in the rat. Accatino L, et al. **J Lab Clin Med** 1984 Jul; 104(1):51–9
Effect of biliary pressure versus high bile acid flux on the permeability of hepatocellular tight junction. Toyota N, et al. **Lab Invest** 1984 May;50(5):536–42

PHYSIOPATHOLOGY

[Basic and clinical evaluation of hepatobiliary function by 99mTc-pyridoxyl-5-methyl-tryptophan] Morimoto Y, et al. **Kaku Igaku** 1983 Nov;20(9):1361–9 **(Jpn)**
[Experimental studies on reflux of pancreatic juice into the biliary tract, with special reference to the effects in the hepato-biliary system] Ogura Y. **Nippon Geka Gakkai Zasshi** 1983 Feb;84(2):141–50 (Eng. Abstr.) **(Jpn)**
[Biorhythmic function and adaptive organization of the bile secreting system after cholecystectomy] Purtokas AI. **Khirurgiia (Mosk)** 1983 Aug;(8):90–5 (Eng. Abstr.) **(Rus)**
[Biliary tract function and bile secretion in patients with nonspecific ulcerative colitis] Abasov IT, et al. **Ter Arkh** 1984;56(2):95–9 (Eng. Abstr.) **(Rus)**
[Biliary tract function in chronic cholecystitis patients during treatment] Bereza NM. **Vrach Delo** 1984 Jul;(7):24–7 (Eng. Abstr.) **(Rus)**
[Changes in the hepatobiliary system of patients with peptic ulcer and chronic gastroduodenitis] Reĭngardt BK, et al. **Vrach Delo** 1984 Jul;(7):10–3 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Hepatitis risk in performing interventional biliary procedures [letter] Bergin C, et al. **AJR** 1984 Aug;143(2):430
[Studies on hepatobiliary imaging agents: synthesis of N-substituted phenylcarbamoylmethyl iminodiacetic acids] Hu YL, et al. **Yao Hsueh Hsueh Pao** 1983 Sep;18(9):678–83 (Eng. Abstr.) **(Chi)**

RADIONUCLIDE IMAGING

Sequential computer-assisted hepatobiliary scintigraphy in the evaluation of conjoined twins. Wong DF, et al. **AJR** 1984 Mar;142(3):479–81
Opioid drugs cause bile duct obstruction during hepatobiliary scans. Joehl RJ, et al. **Am J Surg** 1984 Jan;147(1):134–8
Technetium-99m HIDA hepatobiliary scanning in evaluation of afferent loop syndrome. Sivelli R, et al. **Am J Surg** 1984 Aug;148(2):262–5
Hepatobiliary imaging in gallstone ileus. Bocobo GR, et al. **Clin Nucl Med** 1984 Jan;9(1):4–5
Unusual causes for abnormal hepatobiliary scans. Gordon L, et al. **Clin Nucl Med** 1983 Aug;8(8):337–9
Enterogastroesophageal reflux demonstrated during hepatobiliary scanning. Marslack MM, et al. **Clin Nucl Med** 1984 Jul;9(7):413
Cholescintigraphy with 99mTc-diethyl-IDA for the detection of rejection of auxiliary liver transplants in pigs. de Jonge MW, et al. **Eur J Nucl Med** 1983;8(11):485–8
Cyclotron isotopes and radiopharmaceuticals—XXXIII. Synthesis and structural effect of selective biliary excretion of halogenated indotricarbocyanines. Reiffers S, et al. **Int J Appl Radiat Isot** 1983 Sep;34(9):1383–93
Congenital absence of the gallbladder: another cause of false-positive hepatobiliary image. Dickinson CZ, et al. **J Nucl Med** 1984 Jan;25(1):70–2
Postoperative evaluation of penetrating hepatic trauma and complications. Lecklitner ML, et al. **J Nucl Med** 1984 Sep; 25(9):982–3
Scintigraphic variations of normal biliary physiology. Williams W, et al. **J Nucl Med** 1984 Feb;25(2):160–5
Sclerosing cholangitis: cholescintigraphy with Tc-99m-labeled DISIDA. Ament AE, et al. **Radiology** 1984 Apr;151(1):197–201
Hepatobiliary scintigraphy: nonvisualization of activity in the area of the gallbladder associated with intestinal activity. Lecklitner ML, et al. **Semin Nucl Med** 1984 Jul;14(3):264–5
Hepatobiliary scintigraphy: causes of prolonged retention in hepatic parenchyma. Lecklitner ML. **Semin Nucl Med** 1984 Jul;14(3):262–3
Imaging patterns with 99mTc-PIPIDA in evaluating abdominal pain. Curtis RF, et al. **South Med J** 1983 Nov; 76(11):1386–8
[Cholescintigraphy in the differential diagnosis of jaundice] Vavroš B, et al. **Cesk Gastroenterol Vyz** 1983 Nov; 37(6–7):407–13 (Eng. Abstr.) **(Cze)**
[Cholecystography in the determination of the success of endoscopic papillo-sphincterotomy] Szilvási I, et al. **Orv Hetil** 1984 Jun 17;125(25):1493–5 (Eng. Abstr.) **(Hun)**
[Hepatobiliary scintigraphy in segmental biliary obstruction] Aburano T, et al. **Kaku Igaku** 1984 Apr;21(4):311–7 (Eng. Abstr.) **(Jpn)**
[Clinical efficacy of hepatobiliary scintigraphy using 99m Tc-N-pyridoxyl-5-methyltryptophan (PMT)] Aburano T, et al. **Kaku Igaku** 1983 Apr;20(3):353–60 **(Jpn)**
[Experimental and clinical studies of hepatobiliary scintigraphy using 99mTc-N-pyridoxyl-5-methyltryptophan(99mTc-PMT)] Yoshida H, et al. **Radioisotopes** 1983 Jul;32(7):340–43 **(Jpn)**
[In vivo 75Se methionine metabolism in diseases of the hepatobiliary system] Palinkashi DG. **Med Radiol (Mosk)** 1984 May;29(5):44–9 (Eng. Abstr.) **(Rus)**
[Complex bilio-digestive anastomoses: scintillographic functional follow-up using Tc 99 HIDA] Gramática L, et al. **Rev Esp Enferm Apar Dig** 1984 Mar;65(3):249–51 (Eng. Abstr.) **(Spa)**

SECRETION

Reversal of progesterone-induced biliary cholesterol output by dietary cholesterol and ethynylestradiol. Del Pozo R, et al. **Biochim Biophys Acta** 1983 Sep 20;753(2):164–72
The importance of conjugation in biliary secretion of ursodeoxycholate and 7-ketolithocholate in the rat. Erlinger S, et al. **Clin Sci** 1984 Apr;66(4):487–91
Evaluation of an isotope ratio method for measuring biliary cholesterol secretion. Crouse JR, et al. **J Lipid Res** 1983 Jul;24(7):854–60

SURGERY

Device for the secure fixation of the U tube. Rice TW, et al. **Am J Surg** 1984 Feb;147(2):302–3
Operations upon the biliary tract in patients with acute pancreatitis: aims, indications and timing. Mayer AD, et al. **Ann R Coll Surg Engl** 1984 May;66(3):179–83
Efficacy of preoperative biliary tract decompression in patients with obstructive jaundice. Gundry SR, et al. **Arch Surg** 1984 Jun;119(6):703–8
Histology of the postoperative stomach before and after diversion of bile. Watt PC, et al. **Br Med J [Clin Res]** 1983 Nov 12;287(6403):1410–2
Mezlocillin single-dose prophylaxis in biliary tract surgery. Elke R, et al. **Eur Surg Res** 1983;15(6):297–301
[Fatal complication in biliary surgery for cirrhotic patients] Chen MF, et al. **Taiwan I Hsueh Hui Tsa Chih** 1983 Sep; 82(9):977–81 (Eng. Abstr.) **(Chi)**
[The significance of endoscopic retrograde cholangiopancreatography in recognizing changes in the biliary system after surgical procedures] Frič P, et al. **Cas Lek Cesk** 1983 Apr 22;122(16):483–6 (Eng. Abstr.) **(Cze)**
[History of biliary surgery. Apropos of the centennial of the first cholecystectomy] Arianoff AA. **Acta Chir Belg** 1983 Jul-Aug;83(4):241–52 (Eng. Abstr.) **(Fre)**
[Retrograde endoscopic cholangiography after biliary surgery] Monges B, et al. **J Chir (Paris)** 1984 May; 121(5):315–9 (Eng. Abstr.) **(Fre)**
[Peroperative echography in hepatobiliary surgery] Bismuth H, et al. **Presse Med** 1984 Sep 1–8;13(30):1819–22 (Eng. Abstr.) **(Fre)**
[Reducing complications in biliary surgery (editorial)] Reiss R. **Harefuah** 1983 Apr 1;104(7):307–8 **(Heb)**
[Intestinal absorption of free L-amino acids in patients subjected to a total bilio-pancreatic bypass] Gianetta E, et al. **Minerva Dietol Gastroenterol** 1983 Oct-Dec; 29(4):321–6 (Eng. Abstr.) **(Ita)**
[Effect of various reconstructions of biliary tract upon secretion of gastric acid and gastrointestinal hormones in dogs] Imamura M. **Nippon Geka Gakkai Zasshi** 1983 Nov; 84(11):1161–73 (Eng. Abstr.) **(Jpn)**
[Problems with pancreatitis after surgery on the hepatobiliary tract] Zilavý S, et al. **Bratisl Lek Listy** 1983 Oct; 80(4):467–72 (Eng. Abstr.) **(Slo)**

ULTRASTRUCTURE

Ultrastructure of the liver and biliary tract in health and disease. Goldblatt PJ, et al. **Ann Clin Lab Sci** 1984 Mar-Apr;14(2):159–67 (24 ref.)
Somatostatin-containing cells in the extrahepatic biliary tract of humans. Dancygier H, et al. **Gastroenterology** 1984 May; 86(5 Pt 1):892–6

BILIARY TRACT DISEASES

see related
CHOLANGIOGRAPHY

The British Society of Gastroenterology. 25–27 April 1984,

Salford. Abstracts. **Gut** 1984 May;25(5):A541–85

Interventional radiology of the biliary system and pancreas. Teplick SK, et al. **Surg Clin North Am** 1984 Feb; 64(1):87–119 (111 ref.)

[Gastrointestinal problems in pregnancy] Godin N. **Rev Med Suisse Romande** 1984 Mar;104(3):193–9 **(Fre)**

BLOOD

Associations between serum gamma-glutamyltransferase and apolipoproteins: relationships with hepatobiliary diseases. Artur Y, et al. **Clin Chem** 1984 Aug;30(8):1318–21

Neutrophil dysfunction in sepsis. III. Degranulation as a mechanism for nonspecific deactivation. Solomkin JS, et al. **J Surg Res** 1984 May;36(5):407–12

Diagnostic values of fasting and postprandial concentrations in serum of 3 alpha-hydroxy-bile acids and gamma-glutamyl transferase in hepatobiliary disease. Linnet K, et al. **Scand J Gastroenterol** 1983 Jan;18(1):49–56

[Quantitative determination of serum apolipoproteins A-I and A-II using an immunodiffusion plate—its relation to hepatobiliary diseases] Miyatani K, et al. **Rinsho Byori** 1983 Aug;31(8):891–6 **(Jpn)**

[Clinical importance of determining free and transcortin-bound cortisol and corticosterone in chronic biliary tract and liver diseases in children] Shabunina EI, et al. **Pediatriia** 1984 Feb;(2):47–50 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Unsuspected hepatic abscess associated with biliary tract disease. Fischer MG, et al. **Am J Surg** 1983 Nov; 146(5):658–62

Modification of pancreatic carcinogenesis in the hamster model. 5. Effect of partial pancreatico-colostomy. Pour PM, et al. **Carcinogenesis** 1983 Oct;4(10):1327–31

The histologic pattern of bile gastritis. Emmanouilidis A, et al. **Gastrointest Endosc** 1984 Jun;30(3):179–82

Influence of bile flow interruption on acute experimental pancreatitis. Sarli L, et al. **Ital J Surg Sci** 1984;14(2):119–23

Bile reflux and pancreatic cancer [letter] Andrén-Sandberg A, et al. **Lancet** 1983 Dec 17;2(8364):1417

Biliary disease in metachromatic leukodystrophy. Heier L, et al. **Pediatr Radiol** 1983;13(6):313–8

[Hepatobiliary impairment in inflammatory intestinal disease] Dítě P, et al. **Vnitr Lek** 1984 Apr;30(4):363–6 (Eng. Abstr.) **(Cze)**

[Is there a relation between duodenal diverticula near Vater's papilla and biliary tract diseases?] Jansen PL, et al. **Ned Tijdschr Geneeskd** 1984 May 19;128(20):944–6 (Eng. Abstr.) **(Dut)**

[Caroli's disease associated with fibrocholangiomatosis. Apropos of a surgically treated case] Fadli F, et al. **Maroc Med** 1983 Jun;5(2):206–11 (Eng. Abstr.) **(Fre)**

[Biliary peritonitis without perforation] Zanetti PP, et al. **Arch Sci Med (Torino)** 1983 Jul–Sep;140(3):317–22 (Eng. Abstr.) **(Ita)**

[Biliary pathology and portal hypertension. Analysis of 584 cases] Opocher E, et al. **Minerva Chir** 1983 Oct 31; 38(20):1709–11 **(Ita)**

[Non-clostridial anaerobic infection in diseases of the liver and biliary tract (review of the Soviet and foreign literature)] Kocherovets VI, et al. **Vestn Khir** 1984 Apr; 132(4):133–8 (61 ref.) **(Rus)**

[Haemophilus influenzae bacteremia of biliary origin (letter)] Arnau JM, et al. **Med Clin (Barc)** 1983 Sep 24;81(8):367–8 **(Spa)**

[Alkaline reflux gastritis] Braghetto I, et al. **Rev Med Chil** 1983 Nov;111(11):1169–76 (Eng. Abstr.) **(Spa)**

CONGENITAL

Congenital disease of the liver and biliary tract in adults. Cohen MM. **Can J Surg** 1984 May;27(3):211–2

DIAGNOSIS

Acalculous biliary pain: diagnosis and selection for cholecystectomy using the cholecystokinin test for pain reproduction. Lennard TW, et al. **Br J Surg** 1984 May; 71(5):368–70

Bacteriological study of transhepatically aspirated bile. Relation to cholangiographic findings in 295 patients. Suzuki Y, et al. **Dig Dis Sci** 1984 Feb;29(2):109–15

New development of peroral cholangioscopy—evaluation of double-angle, oblique viewing cholangioscope. Fuji T, et al. **Endoscopy** 1984 Jan;16(1):26–9

Comparative study of ultrasound and ERCP in the diagnosis of hepatic, biliary and pancreatic diseases: a prospective study based on a continuous series of 424 patients. Frederic N, et al. **Eur J Radiol** 1983 Aug;3(3):208–11

Roast beef, onions, and substernal chest pain. Strum WB. **Hosp Pract [Off]** 1984 May;19(5):53–4

Percutaneous transhepatic cholangioscopy. Gazzaniga GM, et al. **Int Surg** 1983 Oct–Dec;68(4):357–60

Investigation and management of biliary tract disease. Zimmon DS. **Postgrad Med J** 1983;59 Suppl 4:26–32

Is bile reflux at endoscopy a significant finding? Eyre-Brook IA, et al. **Scand J Gastroenterol [Suppl]** 1984;92:203–5

[Intraoperative choledochoscopy. I.] Todorov T, et al. **Khirurgiia (Sofiia)** 1984;37(2):130–3 **(Bul)**

[Combined radiographic and sonographic study. Contribution on increasing the diagnostic accuracy in the hepatobiliary system and pancreas] Horáček F, et al. **Cas Lek Cesk** 1984 Jan 27;123(4):97–9 (Eng. Abstr.) **(Cze)**

[Sonographic diagnosis of the bile ducts in childhood] Peters H, et al. **Ultraschall Med** 1983 Sep;4(3):147–53 (Eng. Abstr.) **(Ger)**

[The clinical significance of duodeno-gastric reflux (editorial)] Bat L, et al. **Harefuah** 1983 Feb 1;104(3):111–2 **(Heb)**

[The importance of choledochoscopy in the diagnosis and therapy of biliary pathologies (editorial)] Rotmensch S, et al. **Harefuah** 1984 Mar 1;106(5):233–5 **(Heb)**

[Diagnostic algorithms. Analysis of the factors conditioning their definition. An illustrative case (bilio-pancreatic pathology)] Inzaghi A, et al. **Minerva Med** 1984 Jul 14; 75(28–29):1695–700 (Eng. Abstr.) **(Ita)**

[Ultrasonics and endoscopic retrograde cholangiopancreatography (ERCP). Value in suspected liver, biliary and pancreatic disease] Odegaard S, et al. **Tidsskr Nor Laegeforen** 1984 Jun 30;104(19–21):1315–7 (Eng. Abstr.) **(Nor)**

[Laparoscopy in diseases of the liver, biliary tract, and pancreas] Khamdanov KhKh, et al. **Khirurgiia (Mosk)** 1983 Aug;(8):143–6 (76 ref.) **(Rus)**

[Possibilities and prospects of the clinical use of peroral pancreatocholangioscopy] Kornilov IuM, et al. **Klin Med (Mosk)** 1983 Aug;61(8):78–82 (Eng. Abstr.) **(Rus)**

[Epidemiologic studies for detection of chronic biliary tract diseases (right hypochondrium syndrome) in the Latvian SSR] Skuia NA, et al. **Ter Arkh** 1984;56(1):39–43 (Eng. Abstr.) **(Rus)**

[Bile acids and cholesterol in the bile in biliary tract diseases] Miroshnichenko VP, et al. **Vrach Delo** 1984 Jul;(7):27–9 (Eng. Abstr.) **(Rus)**

[Endoscopic diagnosis of a hepatic biopsy complication] Castellanos D, et al. **Rev Esp Enferm Apar Dig** 1984 Jun; 65(6):527–30 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Intravenous indomethacin in biliary pain. A clinical investigation with metamizole as the control. Niinikoski J, et al. **Ann Chir Gynaecol** 1984;73(2):69–72

Antibiotics in the treatment of biliary infection. Dooley JS, et al. **Gut** 1984 Sep;25(9):988–98 (71 ref.)

Antibiotics in bile. Thomas M. **J Antimicrob Chemother** 1983 Nov;12(5):419–22

[Acute and chronic biliary tract infections. Studies of the therapeutic effect of a new broad-spectrum cephalosporin] Eisenburg J. **Fortschr Med** 1983 Aug 25; 101(31–32):1407–12 (Eng. Abstr.) **(Ger)**

[Treatment of biliary tract infections with norfloxacin] Speranza V, et al. **G Ital Chemioter** 1984 Jan–Aug; 31(1–2):149–52 (Eng. Abstr.) **(Ita)**

[Significance of bacterial count of the bile as a criteria of drug efficacy] Tanimura H, et al. **Jpn J Antibiot** 1983 Aug; 36(8):2275–82 (Eng. Abstr.) **(Jpn)**

[Future of antibiotic therapy in various medical fields. 1. Internal medicine. c. Biliary tract infections] Urayama K, et al. **Nippon Rinsho** 1984 Mar;42(3):573–5 (8 ref.) **(Jpn)**

[Microbiological aspects of the elaboration of effective antibiotic therapy of bacterial lesions of the biliary tract] Sytnik IA. **Antibiotiki** 1984 Feb;29(2):95–9 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

[Glycylprolyl dipeptidyl aminopeptidase activity in healthy subjects and patients with hepatobiliary diseases] Hashizume Y. **Nippon Ika Daigaku Zasshi** 1983 Oct; 50(5):747–58 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Alkaline reflux gastritis and esophagitis. Nath BJ, et al. **Annu Rev Med** 1984;35:383–96 (67 ref.)

The thoracic stomach: a study of gastric emptying, bile reflux and mucosal change. Mannell A, et al. **Br J Surg** 1984 Jun;71(6):438–41

Biliary tract infections caused by Haemophilus influenzae type b. Pallarés R, et al. **Eur J Clin Microbiol** 1983 Oct; 2(5):469–72

Toxic effects of intrahepatic reflux of monooctanoin in a canine model. Sharp KW, et al. **J Surg Res** 1984 May; 36(5):475–9

Bacterial infections of the liver and biliary tract: laboratory studies to determine etiology. Vainrub B. **Lab Res Methods Biol Med** 1983;7:119–28 (27 ref.)

Bile reflux after duodenal ulcer surgery. A study of 114 asymptomatic and symptomatic patients. Mosimann F, et al. **Scand J Gastroenterol [Suppl]** 1984;92:224–6

Bile reflux and degree of gastritis after highly selective vagotomy, truncal vagotomy, and partial gastrectomy for duodenal ulcer. Dewar EP, et al. **World J Surg** 1983 Nov; 7(6):743–50

[Iatrogenic lesions of the bile ducts] Procházka M, et al. **Cas Lek Cesk** 1984 Jan 27;123(4):105–7 (Eng. Abstr.) **(Cze)**

[Experimental studies on reflux of pancreatic juice into the biliary tract, with special reference to the effects in the hepato-biliary system] Ogura Y. **Nippon Geka Gakkai Zasshi** 1983 Feb;84(2):141–50 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

[Evaluation of the immunoglobulin level in biological fluids in diseases of the biliary tract in children] Levitskaia SV, et al. **Pediatriia** 1984 Feb;(2):52–5 (Eng. Abstr.) **(Rus)**

METABOLISM

Biliary excretion of aztreonam in patients with biliary tract disease. Martinez OV, et al. **Antimicrob Agents Chemother** 1984 Mar;25(3):358–61

Disposition of 5-aminosalicylic acid, the active metabolite of sulphasalazine, in man. Fischer C, et al. **Eur J Clin Pharmacol** 1983;25(4):511–5

Tc-99m HIDA dosimetry in patients with various hepatic disorders. Wu RK, et al. **J Nucl Med** 1984 Aug; 25(8):905–12

[Clinical evaluation of the cholate-cholesterol coefficient in bile] Gromashevskaia LL, et al. **Sov Med** 1984;(3):23–6 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Biliary tract infection with anaerobes and the presence of free bile acids in bile. Shimada K, et al. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl 1:S147–51 (24 ref.)

Bacterial infections of the liver and biliary tract. Løtveit T. **Scand J Gastroenterol [Suppl]** 1983;85:33–6 (14 ref.)

Intra-abdominal Citrobacter infections: association with biliary or upper gastrointestinal source. Lew PD, et al. **Surgery** 1984 Apr;95(4):398–403

[Bile microflora in inflammatory diseases of the liver and biliary tract (review of the literature)] Andreichin MA. **Vrach Delo** 1984 May;(5):4–9 (76 ref.) **(Rus)**

[Bacteriological study of bile and/or gallbladder mucosa in patients operated on for biliary pathology] Nercelles P, et al. **Rev Med Chil** 1983 Apr;111(4):397–403 (Eng. Abstr.) **(Spa)**

OCCURRENCE

Ureteral and biliary colic in an emergency out-patient department. Fritjofsson A, et al. **Scand J Urol Nephrol [Suppl]** 1983;75:23

Biliary tract disease in Thailand. Juttijudata P, et al. **Surg Gynecol Obstet** 1984 Jan;158(1):13–6

PARASITOLOGY

Biliary ascariasis. Venugopal S, et al. **West Indian Med J** 1984 Mar;33(1):45–7

PATHOLOGY

Somatostatin-containing cells in the extrahepatic biliary tract of humans. Dancygier H, et al. **Gastroenterology** 1984 May; 86(5 Pt 1):892–6

[Case of hemobilia] Mladenov V, et al. **Khirurgiia (Sofiia)** 1983;36(5):480–1 **(Bul)**

PHYSIOPATHOLOGY

A long-term study of different types of experimental alkaline reflux and the effects of its suppression in dogs. Burri B, et al. **Scand J Gastroenterol [Suppl]** 1984;92:81–6

[Etiopathogenic factors in postoperative gastritis caused by alkaline reflux. III. Mechanism of action] Pardo Gale P, et al. **Rev Clin Esp** 1984 Feb 15;172(3):131–4 (52 ref.) **(Spa)**

PREVENTION & CONTROL

[Cefotiam excretion into the bile after radical operation of congenital biliary atresia] Miyano T, et al. **Jpn J Antibiot** 1983 Dec;36(12):3429–36 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

The Hawkins needle-guide system for percutaneous catheterization: 2. Clinical experience in biliary tract and abscess drainage. Andrews RC, et al. **AJR** 1984 Jun; 142(6):1197–200

The safe intercostal approach? Pleural complications in abdominal interventional radiology. Nichols DM, et al. **AJR** 1984 May;142(5):1013–8

Endoscopic retrograde cholangiopancreatography and sphincterotomy. Ghazi A, et al. **Ann Surg** 1984 Jan; 199(1):21–7

Direct cholangiography: its diagnostic and therapeutic role. Connon JJ. **Can Med Assoc J** 1984 Feb 1;130(3):266–8

Endoscopy retrograde cholangiography. Guelrud M, et al. **Lab Res Methods Biol Med** 1983;7:427–67 (70 ref.)

Percutaneous transhepatic cholangiography. Okuda K. **Lab Res Methods Biol Med** 1983;7:405–23 (69 ref.)

Clinical significance of endoscopic retrograde choelangiography (ERC) on operated cases. Yoh T. **Nippon Geka Hokan** 1983 Jul 1;52(4):541–58

[The significance of endoscopic retrograde cholangiopancreatography in recognizing changes in the biliary system after surgical procedures] Frič P, et al. **Cas Lek Cesk** 1983 Apr 22;122(16):483–6 (Eng. Abstr.) **(Cze)**

[The effect of 7-hydroxy-4-methyl-coumarin on contrast filling of the biliary system in endoscopic retrograde cholangiopancreatography (ERCP)] Pouzar A, et al. **Sb Lek** 1984 Feb;86(2–3):77–80 (Eng. Abstr.) **(Cze)**

[Prolonged cholangiography in patients with reduced liver function] Harling H, et al. **Ugeskr Laeger** 1983 Nov 21; 145(47):3643–5 (Eng. Abstr.) **(Dan)**

[Retrograde endoscopic cholangiography after biliary surgery] Monges B, et al. **J Chir (Paris)** 1984 May; 121(5):315–9 (Eng. Abstr.) **(Fre)**

[Diagnostic value of direct and indirect cholangiography – a comparative study] Erler K, et al. **Z Gesamte Inn Med** 1983 Oct 1;38(19):195–8 (Eng. Abstr.) **(Ger)**

[Transcutaneous and transhepatic cholangiography and bile drainage] Górnicki K. **Wiad Lek** 1983 Dec 1;36(23):1963–7 (16 ref.) **(Pol)**

[Transcutaneous transhepatic cholangiography using a thin needle] Kevesh LE, et al. **Vestn Rentgenol Radiol** 1983 Sep–Oct;(5):32–6 (Eng. Abstr.) **(Rus)**

[Percutaneous transhepatic cholangiography in the diagnosis of diseases of the hepatobiliary tract] Lučić Z, et al. **Med Pregl** 1983;36(9–10):433–6 (Eng. Abstr.) **(Ser)**

RADIONUCLIDE IMAGING

Bile reflux demonstrated by 99m Tc disofenin. Bordewyck R, et al. **Bol Asoc Med PR** 1984 Mar;76(3):107

Duodenogastroesophageal reflux. Demonstration with Tc-99m DISIDA imaging. Blue PW, et al. **Clin Nucl Med** 1984 Apr;9(4):238–9

Enterogastroesophageal reflux demonstrated during hepatobiliary scanning. Marslack MM, et al. **Clin Nucl Med** 1984 Jul;9(7):413

Hepatobiliary imaging. Siddiqui AR. **J Indiana State Med Assoc** 1983 Aug;76(8):520–5

Hepatobiliary scintigraphy. Velchik MG, et al. **Lab Res Methods Biol Med** 1983;7:207–75 (182 ref.)

Sensitivity and reproducibility of a bile reflux test using 99mTc HIDA. Sorgi M, et al. **Scand J Gastroenterol [Suppl]** 1984;92:30–2

Quantitation and the elimination of errors in bile reflux tests using a gamma camera. Sorgi M, et al. **Scand J Gastroenterol [Suppl]** 1984;92:33–5

Fifty-two year old Caucasian man with abdominal pain of several days duration [clinical conference] Peterson TM, et al. **SD J Med** 1984 Apr;37(4):13–9

[Basic and clinical evaluation of hepatobiliary function by 99mTc-pyridoxyl-5-methyl-tryptophan] Morimoto Y, et al. **Kaku Igaku** 1983 Nov;20(9):1361–9 **(Jpn)**

[Hepatobiliary scintigraphy and liver function test with 99mTc-N-pyridoxyl-5-methyltryptophan (99mTc-PMT)] Sugimura K, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1983 Oct 25; 43(10):1205–13 (Eng. Abstr.) **(Jpn)**

[Diagnosis of bile reflux into the intrahepatic bile ducts using radionuclide hepatocholecystography] Mtvaradze AS. **Med Radiol (Mosk)** 1984 Jan;29(1):32–4 **(Rus)**

[In vivo 75Se methionine metabolism in diseases of the hepatobiliary system] Palinkashi DG. **Med Radiol (Mosk)** 1984 May;29(5):44–9 (Eng. Abstr.) **(Rus)**

SURGERY

Recurrent biliary stricture. Patterns of recurrence and outcome of surgical therapy. Pellegrini CA, et al. **Am J Surg** 1984 Jan;147(1):175–80

Ampicillin versus cefamandole in biliary tract surgery. A prospective, randomized clinical and bacteriological study. Levi JU, et al. **Am Surg** 1984 Aug;50(8):412–7

Prediction of risk in biliary surgery. Blamey SL, et al. **Br J Surg** 1983 Sep;70(9):535–8

Doctors' attitudes to risk in difficult clinical decisions: application of decision analysis in hepatobiliary disease. Theodossi A, et al. **Br Med J [Clin Res]** 1984 Jul 28; 289(6439):213–6

A single preoperative dose of cefazolin prevents postoperative sepsis in high-risk biliary surgery. Lewis RT, et al. **Can J Surg** 1984 Jan;27(1):44–7

Biliary tract disease and related surgical disorders during pregnancy. Simon JA. **Clin Obstet Gynecol** 1983 Dec; 26(4):810–21

Hydatid cyst of the liver ruptured into the biliary tract. Papadimitriou J, et al. **Curr Surg** 1983 Sep–Oct; 40(5):339–46

Clinical and microbiological evaluation of piperacillin in elective biliary surgery. Morris DL, et al. **J Hosp Infect** 1983 Jun;4(2):159–64

Choledochal cyst following operation for idiopathic perforation of the biliary tract in childhood. Yano H, et al. **Jpn J Surg** 1983 Sep;13(5):441–5

Biliary tract surgery: cost versus quality of care in three hospitals. Hobler KE, et al. **QRB** 1984 Jul;10(7):203–8

Antimicrobial prophylaxis in biliary and gastrointestinal surgery. Giercksky KE. **Scand J Gastroenterol [Suppl]** 1983; 85:104–10

[Reoperation on the biliary tract] Merdzhanov A, et al. **Khirurgiia (Sofiia)** 1983;36(4):395–8 **(Bul)**

[Perforation of the biliary tract: analysis of 240 cases] Wei JJ. **Chung Hua Wai Ko Tsa Chih** 1983 Jun;21(6):338–40 (Eng. Abstr.) **(Chi)**

[Modified duodenal diversion in the treatment of esophagitis from bile reflux complicating an upper-pole gastrectomy] Elias D, et al. **J Chir (Paris)** 1983 Nov;120(11):651–3 (Eng. Abstr.) **(Fre)**

[Surgery of the biliary tract in the aged] Innocenti P, et al. **Ann Ital Chir** 1983;55(1):11–21 (Eng. Abstr.) **(Ita)**

[Papillosphincterostomy in non-neoplastic pathology of the biliary tract. Evaluation of 112 operations] Azzena GF, et al. **Minerva Chir** 1984 Feb 28;39(4):231–8 (Eng. Abstr.) **(Ita)**

[Surgical therapy of pathologic enterobiliary reflux. Biliodigestive reconversion] Venturi GC, et al. **Minerva Chir** 1984 May 15;39(9):703–8 (Eng. Abstr.) **(Ita)**

[Cholangiojejunostomy in benign biliary tract diseases] Krakovskiĭ AI, et al. **Khirurgiia (Mosk)** 1984 Feb;(2):13–8 (Eng. Abstr.) **(Rus)**

[Immediate and delayed results of choledochoduodenectomy in late middle-age and elderly patients] Rodionov VV, et al. **Klin Med (Mosk)** 1983 Jul;61(7):70–4 (Eng. Abstr.) **(Rus)**

[Use of a Soviet fibrocholedochoscope in biliary tract surgery] Sukharev VF, et al. **Vestn Khir** 1983 Aug; 131(8):18–22 (Eng. Abstr.) **(Rus)**

THERAPY

New technique for replacing dislodged T tubes. Herrera M, et al. **AJR** 1984 Jan;142(1):102

Interventional biliary radiology. Ring EJ, et al. **AJR** 1984 Jan;142(1):31–4

Intraabdominal infections in the elderly. Norman DC, et al. **J Am Geriatr Soc** 1983 Nov;31(11):677–84

[Diagnosis and treatment of biliary ascariasis] He RL. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Apr;4(4):236–7 **(Chi)**

[Immediate and late results of the sanatorium and health resort treatment of adolescents with biliary tract diseases in Yessentuki] Antonova LT, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 May–Jun; (3):59–61 **(Rus)**

[Effect of intestinal irrigations with Mirgorod mineral water on the state of liver secretory function] Splavskiĭ OI, et al. **Vrach Delo** 1983 Jul;(7):41–2 **(Rus)**

VETERINARY

Spontaneous lesions of the mouse biliary tract. Lewis DJ. **J Comp Pathol** 1984 Apr;94(2):263–71

BILIARY TRACT HEMORRHAGE see **HEMOBILIA**

BILIARY TRACT NEOPLASMS

[Cancer of the principal part of the biliary tract in the supra-ampullary portion] Honoré P, et al. **Rev Med Liege** 1984 Apr 1;39(7):273–9 **(Fre)**

COMPLICATIONS

Management of malignant obstructive jaundice at The Middlesex Hospital. Leung JW, et al. **Br J Surg** 1983 Oct; 70(10):584–6

[Biliary endoprosthesis in inoperable neoplasms of the extra-hepatic bile ducts] Ferulano GP, et al. **Minerva Chir** 1983 Nov 15;38(21):1755–8 **(Ita)**

DIAGNOSIS

Cytologic detection of small pancreaticoduodenal and biliary cancers in the early developmental stage. Yamada T, et al. **Acta Cytol (Baltimore)** 1984 Jul–Aug;28(4):435–42

Biliary papillomatosis: report of a case with 5-year follow-up. Veloso FT, et al. **Am J Gastroenterol** 1983 Oct; 78(10):645–8

[Sonographic diagnosis of biliary tumor] Kitamura T. **Gan To Kagaku Ryoho** 1984 Mar;11(3):545–53 (Eng. Abstr.) **(Jpn)**

[CA 19-9, a new tumor marker] Akai S. **Rinsho Byori** 1983 Dec;31(12):1300–2 **(Jpn)**

ETIOLOGY

Association between biliary tract cancer and gastric cancer [letter] Caygill C, et al. **Lancet** 1983 Nov 19;2(8360):1204–5

PATHOLOGY

An abnormal pancreatico-choledocho-ductal junction in cases of biliary tract carcinoma. Suda K, et al. **Cancer** 1983 Dec 1;52(11):2086–8

[A case of perforated biliary cystadenocarcinoma] Harima Y, et al. **Gan No Rinsho** 1984 Jan;30(1):93–8 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

[Two cases of biliary cystadenocarcinoma] Kukihara J, et al. **Rinsho Hoshasen** 1983 Dec;28(13):1587–90 (Eng. Abstr.) **(Jpn)**

RADIOTHERAPY

Helium charged-particle radiotherapy of locally advanced carcinoma of the esophagus, stomach, and biliary tract. Castro JR, et al. **Am J Clin Oncol** 1983 Dec;6(6):629–37

Biliary tract neoplasms: a simple management technique. Nag S, et al. **South Med J** 1984 May;77(5):593–5

SURGERY

[Surgery of the portal vein in the resection of carcinoma of the biliary tract and pancreas] Sakaguchi S, et al. **Nippon Geka Gakkai Zasshi** 1983 Mar;84(3):237–44 (Eng. Abstr.) **(Jpn)**

[Infusion therapy in the surgical treatment of tumorous mechanical jaundice] Sukhorukov VP, et al. **Anesteziol Reanimatol** 1984 Mar–Apr;(2):62–4 (Eng. Abstr.) **(Rus)**

BILIRUBIN

see related **HYPERBILIRUBINEMIA**

Photobilirubin II. Bonnett R, et al. **Biochem J** 1984 May 1; 219(3):1053–6

Significance of the endo-vinyl group of bilirubin in photochemical reactions. Yokoyama T, et al. **Biochem J** 1984 Jun 1;220(2):377–83

Colloid chemical aspects of pigment lithiasis in man: solubilization of calcium bilirubinate by bile salts (a preliminary report). Wosiewitz U, et al. **Hepatogastroenterology** 1983 Oct;30(5):184–7

Interaction of bilirubin with small unilamellar vesicles of dipalmitoylphosphatidylcholine. Cestaro B, et al. **Ital J Biochem** 1983 Sep–Oct;32(5):318–29

Light driven transport of bilirubin through a bulk liquid membrane. Eichinger D, et al. **Photochem Photobiol** 1983 Aug;38(2):193–5

Pathogenesis of the calcium bilirubinate stone. Maki T, et al. **Prog Clin Biol Res** 1984;152:81–90

[A new direct solubilizer for bilirubinate calcium stones] Asakawa S, et al. **Nippon Geka Gakkai Zasshi** 1983 Oct; 84(10):1072–83 (Eng. Abstr.) **(Jpn)**

[The effects of various drugs on the binding site of bilirubin in serum albumin] Hasegawa J, et al. **Nippon Yakurigaku Zasshi** 1984 Jan;83(1):79–83 (Eng. Abstr.) **(Jpn)**

ANALOGS & DERIVATIVES

Biosynthesis of phycocyanobilin from exogenous labeled biliverdin in Cyanidium caldarium. Beale SI, et al. **Arch Biochem Biophys** 1983 Nov;227(1):279–86

Hepatic heme metabolism: possible role of biliverdin in the regulation of heme oxygenase activity. Kutty RK, et al. **Biochem Biophys Res Commun** 1984 Jul 18;122(1):40–6

Bilirubin diglucuronide formation by rat liver microsomes: demonstration by affinity and thin layer chromatography of bile pigment tetrapyrroles. Okuda H, et al. **Biochem Biophys Res Commun** 1983 Dec 16;117(2):406–12

Studies of the relationship between the catalytic activity and binding of non-substrate ligands by the glutathione S-transferases. Boyer TD, et al. **Biochem J** 1984 Jan 1; 217(1):179–85

Biosynthesis of phycobiliproteins. Incorporation of biliverdin into phycocyanin of the red alga Cyanidium caldarium. Brown SB, et al. **Biochem J** 1984 May 1;219(3):905–9

Biosynthesis of the chromophore of phycobiliproteins. A study of mesohaem and mesobiliverdin as possible intermediates and further evidence for an algal haem oxygenase. Brown SB, et al. **Biochem J** 1984 Jan 1; 217(1):265–72

Synthesis of biliverdin and bilirubin 1-O-acyl-beta-D-glucopyranuronic acids. Compernolle F. **Biochem J** 1980 Jun 1;187(3):857–62

Structure and thermal interconversion of cyclobilirubin IX alpha. Onishi S, et al. **Biochem J** 1984 Mar 15;218(3):667–76

Biliary and urinary excretion rates and serum concentration changes of four bilirubin photoproducts in Gunn rats during total darkness and low or high illumination. Onishi S, et al. **Biochem J** 1984 Aug 1;221(3):717–21

The antiheparin effect of a heparinoid, pentosan polysulphate. Investigation of a mechanism. Scully MF, et al. **Biochem J** 1984 Mar 15;218(3):657–65

Decreased glucuronidation of bilirubin by diethyl ether anesthesia. Dills RL, et al. **Biochem Pharmacol** 1984 Sep 1;33(17):2813–4

Formation of bilirubin monoglucuronide and diglucuronide in isolated rat hepatocytes. Effect of spironolactone. Mottino AD, et al. **Biochem Pharmacol** 1983 Nov 1; 32(21):3157–61

On the possible role of biliverdin stimulation of cyclic AMP levels as a trigger for liver regeneration in the rat. Phillips O, et al. **Biochem Pharmacol** 1984 Jun 15;33(12):1963–7

Biliary excretion of the dimethyl ester of bilirubin in heterozygous (Jj) and normal (JJ) Gunn rats. Odell GB, et al. **Biochem Soc Trans** 1984 Feb;12(1):83–6

The specificity of biliverdin reductase. The reduction of biliverdin XIII isomers. Awruch J, et al. **Biochim Biophys Acta** 1984 Jun 14;787(2):146–51

Liquid-chromatographic assay and identification of mono- and diester conjugates of bilirubin in normal serum. Muraca M, et al. **Clin Chem** 1983 Oct;29(10):1767–71

Effect of bilirubin infusion on excretion of bilirubin and biliverdin in rabbits. Bruss ML, et al. **Comp Biochem Physiol [A]** 1983;76(2):339–44

Mechanism and subcellular site of bilirubin diglucuronide formation in rat liver. Gordon ER, et al. **J Biol Chem** 1984 May 10;259(9):5500–6

The hepatic microsomal formation of bilirubin diglucuronide. Gordon ER, et al. **J Biol Chem** 1983 Dec 25; 258(24):15028–36

Origin of mammalian biliprotein and rearrangement of bilirubin glucuronides in vivo in the rat. McDonagh AF,

et al. **J Clin Invest** 1984 Sep;74(3):763–70
[Possible role of biliverdin as an initiator of liver regeneration] Castell J, et al. **Rev Esp Fisiol** 1983 Jun; 39(2):183–92 (Eng. Abstr.) **(Spa)**

ANALYSIS

Relation of the site of congenital upper gastrointestinal obstruction to amniotic fluid bilirubin concentration. Hisanaga S, et al. **Asia Oceania J Obstet Gynaecol** 1983 Dec;9(4):435–8
Effect of sodium benzoate on the cutaneous bilirubin content of the adult Gunn rat. Bessard G, et al. **Biol Neonate** 1983; 44(5):315–20
Bilirubin interference in a peroxidase–coupled procedure for creatinine eliminated by bilirubin oxidase. Artiss JD, et al. **Clin Chem** 1984 Aug;30(8):1389–92
Glucocorticoids directly affect spectrophotometry of bilirubin in amniotic fluid. Milwidsky A, et al. **Clin Chem** 1984 May;30(5):677–80
Disagreement of anti–D titers in serum and estimates of bilirubin in amniotic fluid in a case of severe Rh immunization. Passey RB, et al. **Clin Chem** 1983 Dec; 29(12):2116–7
Bilirubin content and 4–nitrophenol glucuronosyltransferase activity in Gunn rat liver. Celier C, et al. **Clin Sci** 1984 Apr;66(4):481–6
Separation of bilirubin isomers and their conjugates by high–performance reversed–phase liquid chromatography. Uesugi T, et al. **J Chromatogr** 1983 Oct 14;277:308–13
Types and chemical composition of intrahepatic stones. Suzuki N, et al. **Prog Clin Biol Res** 1984;152:71–80
Detection of bilirubin conjugates in faeces of germfree rats. Saxerholt H, et al. **Scand J Clin Lab Invest** 1983 Oct; 43(6):477–81
Quantitative determination of conjugated and unconjugated bilirubin in bile by thin layer chromatography of their azoderivatives. Shinya F. **Tohoku J Exp Med** 1984 Jun; 143(2):249–51
[Transcutaneous bilirubinometry. A non–invasive method of measuring physiological jaundice] Foged N, et al. **Ugeskr Laeger** 1983 Sep 19;145(38):2935–7 (Eng. Abstr.) **(Dan)**
[Clinical evaluation of the results of studying duodenal contents] Masevich TsG, et al. **Lab Delo** 1984;(2):89–92 (Eng. Abstr.) **(Rus)**
[Determination of the composition of biliary calculi by the plasma–spectrum method] Lushchitskiĭ MA, et al. **Vestn Khir** 1984 Mar;132(3):51–3 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

The reversal of bilirubin–induced intestinal secretion by agar. Li BU, et al. **Pediatr Res** 1984 Jan;18(1):79–82

BIOSYNTHESIS

Neonatal bilirubin production estimated from 'end–tidal' carbon monoxide concentration. Smith DW, et al. **J Pediatr Gastroenterol Nutr** 1984;3(1):77–80
The effect of tin protoporphyrin on the bilirubin production rate in newborn rats. Cowan BE, et al. **Pediatr Pharmacol (New York)** 1983;3(2):95–100

BLOOD

Postnatal changes in the ability of plasma albumin to bind bilirubin. Ebbesen F, et al. **Acta Paediatr Scand** 1983 Sep; 72(5):665–70
Phenobarbital prophylaxis for hyperbilirubinemia in preterm infants. A controlled study of bilirubin disappearance and infant behavior. Wallin A, et al. **Acta Paediatr Scand** 1984 Jul;73(4):488–97
Bright yellow—the extended spectrum of Gilbert's syndrome. June CH, et al. **Am J Gastroenterol** 1984 Jun;79(6):482–4
Value and limitations of bilirubin binding capacity in predicting the development of kernicterus. Tay JS, et al. **Aust Paediatr J** 1984 Mar;20(1):63–6
Relationship of unbound bilirubin concentration to reserve albumin–binding concentration for bilirubin in human neonatal plasma. Karp WB, et al. **Biol Neonate** 1984; 46(3):105–9
The effect of hematin on bilirubin binding in bilirubin–enriched neonatal cord serum. Kirk JJ, et al. **Biol Neonate** 1984;45(2):53–7
Phototherapy in bile duct–ligated Gunn rats. Ballowitz L, et al. **Biol Res Pregnancy Perinatol** 1984;5(1):36–41
Bilirubin–induced cytomorphological changes in guinea–pig leucocytes. Leipe S, et al. **Biomed Biochim Acta** 1983; 42(5):503–10
Birth weight, length, head circumference and bilirubin level in Indian newborns in the Sioux Lookout Zone, northwestern Ontario. Munroe M, et al. **Can Med Assoc J** 1984 Sep 1;131(5):453–6
Reliability of icterometer. Waterston T, et al. **Cent Afr J Med** 1983 Dec;29(12):242–4
Carrier proteins in human fetal serum: bilirubin–binding abilities of albumin, alpha–fetoprotein and ligandin. Hirano K, et al. **Chem Pharm Bull (Tokyo)** 1984 Feb;32(2):708–15
A total and direct bilirubin determination using an SDS procedure on the Abbott Bichromatic Analyser. Ryan FJ, et al. **Clin Biochem** 1983 Aug;16(4):254–8
Delta bilirubin in serum of pediatric patients: correlations with age and disease. Brett EM, et al. **Clin Chem** 1984 Sep; 30(9):1561–4
Bilirubin interference with uric acid assay in a Hycel: a look at azino uric acid [letter] Davidson DC, et al. **Clin Chem** 1984 Apr;30(4):584–5
Bilirubin interferes with uric acid determinations involving peroxidase–mediated reactions [letter] Masson P, et al. **Clin Chem** 1984 Mar;30(3):493
Sex– and age–related differences in bilirubin concentrations in serum. Rosenthal P, et al. **Clin Chem** 1984 Aug; 30(8):1380–2
Estimation of unconjugated, conjugated, and 'delta' bilirubin fractions in serum by use of two coated thin films. Sundberg MW, et al. **Clin Chem** 1984 Aug;30(8):1314–7
Diazo–based assay for total bilirubin in a coated thin film evaluated. Weiss JS, et al. **Clin Chem** 1984 Aug; 30(8):1310–3
The Ektachem clinical chemistry slide for simultaneous determination of unconjugated and sugar–conjugated bilirubin. Wu TW, et al. **Clin Chem** 1984 Aug;30(8):1304–9
Evaluation of the Kodak EKTACHEM clinical chemistry slide for the measurement of bilirubin in newborns. Ou CN, et al. **Clin Chim Acta** 1984 Jul 16;140(2):167–72
The role of bilirubin production in breast–fed infants with elevated serum bilirubin concentrations at 2 weeks of life. Meyers CH, et al. **Clin Pediatr (Phila)** 1984 Sep;23(9):480–2
Properties and determination of serum and bilirubin. Defreese JD, et al. **CRC Crit Rev Clin Lab Sci** 1984;19(4):267–96 (136 ref.)
Drug–induced displacement of bilirubin from albumin in the newborn. Brodersen R, et al. **Dev Pharmacol Ther** 1983; 6(4):217–29 (39 ref.)
Bilirubin–displacing effect of furosemide and sulfisoxazole. An in vitro and in vivo study in neonatal serum. Cashore WJ, et al. **Dev Pharmacol Ther** 1983;6(4):230–8
The influence of barbiturate derivatives on the serum bilirubin of the Gunn rat. Schmid H, et al. **Eur J Pediatr** 1984 Jun;142(2):151
Control of heme oxygenase and plasma levels of bilirubin by a synthetic heme analogue, tin–protoporphyrin. Kappas A, et al. **Hepatology** 1984 Mar–Apr;4(2):336–41
A nonhuman primate model of Gilbert's syndrome. Portman OW, et al. **Hepatology** 1984 Mar–Apr;4(2):175–9
The effects of nutrition on unconjugated plasma bilirubin concentrations in squirrel monkeys. Portman OW, et al. **Hepatology** 1984 May–Jun;4(3):454–60
Prognostic value of total serum bilirubin/gamma–glutamyl transpeptidase ratio in cirrhotic patients. Poynard T, et al. **Hepatology** 1984 Mar–Apr;4(2):324–7
Absence of kernicterus in a case of severe neonatal jaundice. Khanna VK, et al. **Indian J Pediatr** 1984 Jan–Feb; 51(408):101–2
Evaluation of the Minolta Jaundice Meter as a screening device in Indian babies: a preliminary communication. Narang A, et al. **Indian Pediatr** 1983 Aug;20(8):583–5
Bilirubin and haeme binding to human serum albumin studied by spectroscopy methods. Hrkal Z, et al. **Int J Biochem** 1984;16(7):799–804
Neonatal bilirubin levels and glucose–6–phosphate dehydrogenase deficiency in preterm and low–birth–weight infants in Israel. Ashkenazi S, et al. **Isr J Med Sci** 1983 Dec;19(12):1056–8
Studies on the interference by haemoglobin in the determination of bilirubin. van der Woerd–de Lange JA, et al. **J Clin Chem Clin Biochem** 1983 Jul;21(7):437–43
Irreversible binding of conjugated bilirubin to albumin in cholestatic rats. Gautam A, et al. **J Clin Invest** 1984 Mar; 73(3):873–7
Origin of mammalian biliprotein and rearrangement of bilirubin glucuronides in vivo in the rat. McDonagh AF, et al. **J Clin Invest** 1984 Sep;74(3):763–70
Bedside biochemistry [letter] Mount JN, et al. **J Clin Pathol** 1984 Jun;37(6):715–6
Influence of glucose infusion on serum bilirubin and bilirubin binding to albumin [letter] Constantopoulos A, et al. **J Pediatr** 1984 Jul;105(1):174–5
Propranolol and spurious hyperbilirubinemia [letter] Belsey R, et al. **JAMA** 1984 Jan 6;251(1):38
Bilirubin–albumin interactions—a bind or a boon? [editorial] **Lancet** 1983 Oct 1;2(8353):776
Fatty acids and the control of bilirubin levels in blood. Cowan RE, et al. **Med Hypotheses** 1983 Jul;11(3):343–51 (58 ref.)
Protein–bound bilirubin [letter] McDonagh AF. **N Engl J Med** 1983 Dec 29;309(26):1654–5
Improved embryonic survival in the jaundiced female rat fed activated charcoal. Davis DR, et al. **Pediatr Pharmacol (New York)** 1983;3(2):79–85
Bilirubin binding in the plasma of newborns: critical evaluation of a fluorescence quenching method and comparison to the peroxidase method. Berde CB, et al. **Pediatr Res** 1984 Apr;18(4):349–54
The pattern of bilirubin response to phototherapy for neonatal hyperbilirubinemia [letter] Eggert P, et al. **Pediatr Res** 1984 Jul;18(7):682
Statistical value of various clinical parameters in predicting the presence of choledochal stones. Reiss R, et al. **Surg Gynecol Obstet** 1984 Sep;159(3):273–6
Treatment for cholestatic liver disease (CLD): plasma sorption and filtration for improved bilirubin removal. Matsubara S, et al. **Trans Am Soc Artif Intern Organs** 1983; 29:693–7
[Microcapillary bilirubin assay for the newborn] Qian ML, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1983 Jun;5(3):178–81 (Eng. Abstr.) **(Chi)**
[Is fractionation of serum bilirubin useless?] Müller–Lissner SA, et al. **Dtsch Med Wochenschr** 1984 Apr 13; 109(15):576–80 (Eng. Abstr.) **(Ger)**
[Is there no value in the fractionation of serum bilirubin?] Müller–Plathe O. **Dtsch Med Wochenschr** 1984 Jun 29; 109(26):1048 **(Ger)**
[Spatial distribution of light intensity under a phototherapy unit] Wiese G, et al. **Z Geburtshilfe Perinatol** 1984 Mar–Apr; 188(2):59–63 (Eng. Abstr.) **(Ger)**
[Bilirubin levels in newborn infants after labor induction with drugs] Montagna O, et al. **Pediatria (Napoli)** 1983 Jun–Sep; 91(2–3):143–9 (Eng. Abstr.) **(Ita)**
[Artificial liver support system: removal of bilirubin and bile acids by hemoperfusion with ionex–column] Hamaguchi M. **Nippon Geka Gakkai Zasshi** 1983 Jan;84(1):63–73 (Eng. Abstr.) **(Jpn)**
[Study on the nicotinic acid loading test in patients with various liver diseases] Takamori S, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Feb;81(2):238–48 (Eng. Abstr.) **(Jpn)**
[Change of reserve bilirubin binding capacity during exchange blood transfusion] Ihara H, et al. **Rinsho Byori** 1983 Dec;31(12):1371–5 **(Jpn)**
[Determination of protein–unbound bilirubin concentrations by an enzymatic method(II)—protein–unbound bilirubin concentrations in the umbilical cord serum] Ihara H, et al. **Rinsho Byori** 1983 Sep;31(9):1021–4 **(Jpn)**
[Clinical significance of the panic values in emergency laboratory tests—the panic value of serum bilirubin] Onishi S, et al. **Rinsho Byori** 1983 Dec;31 Suppl:129–44 (54 ref.) **(Jpn)**
[Clinical significance of the panic values in emergency laboratory tests—bilirubin] Yamamoto T, et al. **Rinsho Byori** 1983 Dec;31 Suppl:120–8 **(Jpn)**
[Transcutaneous bilirubinometry in newborn infants] Berget M, et al. **Tidsskr Nor Laegeforen** 1984 May 20;104(14):984–6 (Eng. Abstr.) **(Nor)**
[Non–invasive determination of serum bilirubin in newborn infants] Meberg A, et al. **Tidsskr Nor Laegeforen** 1984 May 20;104(14):970–2 (Eng. Abstr.) **(Nor)**
[Modified Jendrassik–Grof method for determining the concentration of conjugated bilirubin in blood] Chevari S, et al. **Lab Delo** 1983;(12):24–5 **(Rus)**
[Comparative evaluation of bilirubin indices of blood obtained by different methods and modifications] Kogut PP. **Lab Delo** 1983;(10):37–40 (Eng. Abstr.) **(Rus)**
[Clinical trial of a transcutaneous bilirubinometer] Vaisman S, et al. **Rev Chil Pediatr** 1983 Mar–Apr;54(2):83–6 (Eng. Abstr.) **(Spa)**

METABOLISM

Decreased bilirubin binding by albumin in late pregnancy. Karp WB, et al. **Am J Obstet Gynecol** 1983 Oct 1;147(3):341
Bilirubin metabolism in the rat at high altitude. Newberry MA, et al. **Aviat Space Environ Med** 1984 May;55(5):377–80
Biliary and urinary excretion rates and serum concentration changes of four bilirubin photoproducts in Gunn rats during total darkness and low or high illumination. Onishi S, et al. **Biochem J** 1984 Aug 1;221(3):717–21
Abstracts from the International Symposium on New Trends in Photo– therapy. Photobiochemistry of tetrapyrrolic pigments and biomedical applications. Galzignano Spa, Padova, Italy, June 9–11, 1983. **Biol Neonate** 1983; 44(6):372–8
Excretory pattern of bile during phototherapy. Berant M, et al. **Biol Neonate** 1984;45(1):11–6
The biliary excretion of sulphated and non–sulphated bile acids and bilirubin in patients with external bile drainage. Dooley JS, et al. **Clin Sci** 1984 Jul;67(1):61–8
Effect of clofibrate on the metabolism of bilirubin, bromosulphophthalein and indocyanine green and on the biliary lipid composition in Gilbert's syndrome. Kutz K, et al. **Clin Sci** 1984 Apr;66(4):389–97
Influence of sex and sex steroids on bilirubin uridine diphosphate–glucuronosyltransferase activity of rat liver. Muraca M, et al. **Gastroenterology** 1984 Aug;87(2):308–13
Conjugation and maximal biliary excretion of bilirubin in the rat during pregnancy and lactation and during estroprogestogen treatment. Muraca M, et al. **Hepatology** 1984 Jul–Aug;4(4):633–8
Enhancement by secretin of the apparently maximal hepatic transport of bilirubin in the rat. Ricci GL, et al. **Hepatology** 1984 Jul–Aug;4(4):651–7
Current concepts in the mechanism of phototherapy. Govil YC, et al. **Indian J Pediatr** 1984 Jan–Feb;51(408):49–52 (14 ref.)
Changes in serum and bile bilirubin induced by acute hemolysis. Schwesinger WH, et al. **J Surg Res** 1983 Dec; 35(6):520–4
Drug–mediated displacement of bilirubin from albumin in cultured cells. Shimabuku R, et al. **Jpn J Exp Med** 1983 Aug;53(4):215–7
Transcutaneous bilirubinometry II. Dermal bilirubin kinetics during phototherapy. Hegyi T, et al. **Pediatr Res** 1983 Nov; 17(11):888–91
pH dependence of the water solubility of bilirubin photo–derivatives and its relevance to phototherapy. Manitto P, et al. **Pediatr Res** 1984 Apr;18(4):378–81
Effect of acidosis on bilirubin deposition in rat brain. Bratlid D, et al. **Pediatrics** 1984 Apr;73(4):431–4

Effect of albumin on the in vitro conjugation of bilirubin by rat liver microsomes. Tavoloni N, et al.
Proc Soc Exp Biol Med 1984 Sep;176(4):356–65

Bilirubin solubility and the etiology of pigment gallstones. Ostrow JD. **Prog Clin Biol Res** 1984;152:53–69 (77 ref.)

Mechanisms of formation, hepatic transport, and metabolism of bile pigments. Whitmer DI, et al.
Prog Clin Biol Res 1984;152:29–52 (126 ref.)

Enhancement of maximal bilirubin excretion by bile salts in the anaesthetized rabbit. Esteller A, et al.
Q J Exp Physiol 1984 Apr;69(2):217–25

A comparison of the effect of bile salts on maximal hepatic excretion of certain organic anions in the rabbit under urethane and pentobarbitone. Esteller A, et al.
Q J Exp Physiol 1984 Apr;69(2):227–34

Ileal resection–induced gallstones: altered bilirubin or cholesterol metabolism? Pitt HA, et al. **Surgery** 1984 Aug; 96(2):154–62

Molecular aspects of bilirubin conjugation and secretion. Blanckaert N. **Verh K Acad Geneeskd Belg** 1983; 45(5):427–56

[Prevention of kernicterus. Current methods of determining drug–induced bilirubin displacement] Larsen FG, et al.
Ugeskr Laeger 1983 Nov 7;145(45):3473–6 (Eng. Abstr.) **(Dan)**

[Bilirubin: an end product still relevant] Thaler H.
Dtsch Med Wochenschr 1984 Feb 24;109(8):283–4 **(Ger)**

[Kinetic study of unconjugated bilirubin before and after phenobarbital treatment of 10 patients with Gilbert's syndrome] Vincenzi M, et al.
Minerva Dietol Gastroenterol 1984 Jan–Mar;30(1):31–5 (Eng. Abstr.) **(Ita)**

[Mechanism of the formation of bilirubin stones. (I). Studies on bile duct dilatation and stone formation] Takahashi H, et al. **Nippon Geka Hokan** 1983 Sep 1;52(5):680–9 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Interaction of retinoids and bilirubin with the binding of arachidonic acid to human alpha–fetoprotein. Aussel C, et al. **Biochem Biophys Res Commun** 1984 Mar 30; 119(3):1122–7

Effect of bilirubin infusion on excretion of bilirubin and biliverdin in rabbits. Bruss ML, et al.
Comp Biochem Physiol [A] 1983;76(2):339–44

Inhibition of biliary phospholipid and cholesterol secretion by bilirubin in the Sprague–Dawley and Gunn rat. Apstein MD. **Gastroenterology** 1984 Sep;87(3):634–8

Effect of bilirubin on an in vitro correlate of cell–mediated immunity—the migration inhibition test. Svejcar J, et al. **J Clin Lab Immunol** 1984 Mar;13(3):145–9

Inhibition of uroporphyrinogen I synthase activity and depression of microsomal heme and cytochrome P–450 in rat liver by bilirubin. Kohashi M, et al. **Life Sci** 1984 Jan 9;34(2):193–6

The mechanism of bilirubin–photosensitized DNA strand breakage in human cells exposed to phototherapy light. Rosenstein BS, et al. **Mutat Res** 1983 Dec;112(6):397–406

Enhancement by bilirubin of DNA damage induced in human cells exposed to phototherapy light. Rosenstein BS, et al. **Pediatr Res** 1984 Jan;18(1):3–6

[Effects of bile acids and bilirubin on pancreatic secretion in obstructive jaundice] Miyoshi T, et al.
Nippon Shokakibyo Gakkai Zasshi 1983 Sep;80(9):1815 **(Jpn)**

PHYSIOLOGY

Bilirubin encephalopathy. Sherwood AJ, et al.
Neuropathol Appl Neurobiol 1983 Jul–Aug;9(4):271–85

RADIATION EFFECTS

[Phototherapy: current concepts] Vargas–Origel A, et al.
Bol Med Hosp Infant Mex 1984 Jan;41(1):7–14 (60 ref.) (Eng. Abstr.) **(Spa)**

URINE

Effect of bilirubin infusion on excretion of bilirubin and biliverdin in rabbits. Bruss ML, et al.
Comp Biochem Physiol [A] 1983;76(2):339–44

A simple strip method for detecting bilirubin in urine. Gopinathan C, et al. **Indian J Med Res** 1983 Oct;78:567–9

Bilirubin photooxidation products in the urine of jaundiced neonates receiving phototherapy. Lightner DA, et al.
Pediatr Res 1984 Aug;18(8):696–700

BILIVERDINE see under **BILIRUBIN**

BINDING, COMPETITIVE

'Do abnormalities in agonist receptor–binding reflect the activation of the receptor?' An interpretation of the inhibition of 3H–dexetimide binding to the muscarinic receptor by a series of furtrethonium derivatives. Huisman GN, et al. **Eur J Respir Dis [Suppl]** 1984;135:161–3

Receptor blockade as a mechanism of deactivation of human neutrophils by pepstatin and formyl–Met–Leu–Phe. Spilberg I, et al. **Inflammation** 1984 Mar;8(1):73–86

The kinetics of competitive radioligand binding predicted by the law of mass action. Motulsky HJ, et al.
Mol Pharmacol 1984 Jan;25(1):1–9

BINDING PROTEINS see **CARRIER PROTEINS**

BINDING SITES

A simple computer program for Scatchard plot analysis of hormone receptors including statistical analysis on a low cost desk top calculator. Sagripanti JL, et al.
Act Physiol Pharamacol Latinoam 1984;34(1):45–53

Histochemical characteristics and significance of cell receptors in biology and pathology. Stumpf WE.
Acta Histochem [Suppl] (Jena) 1984;29:23–33 (46 ref.)

Allosteric interactions of glycogen phosphorylase b. A crystallographic study of glucose 6–phosphate and inorganic phosphate binding to di–imidate–cross–linked phosphorylase b. Lorek A, et al. **Biochem J** 1984 Feb 15; 218(1):45–60

Examination of the solvent perturbation technique as a method to identify enzyme catalytic groups. Grace S, et al. **Biochemistry** 1983 Aug 30;22(18):4238–47

Relaxed and perturbed substrate conformations in enzyme active sites: evidence from multichannel resonance raman spectra. Storer AC, et al. **Biochemistry** 1983 Sep 27; 22(20):4789–96

Forskolin binding sites in rat liver and brain membranes. Schmidt K, et al. **Eur J Pharmacol** 1983 Oct 28; 94(3–4):337–40

Beta–adrenoceptor recognition sites in living lymphocytes: a model for receptor properties in human disease? Remien J. **Eur J Respir Dis [Suppl]** 1984;135:208–14

DRUG EFFECTS

Influence of digitalis and diuretics on ouabain binding sites on human erythrocytes. Erdmann E, et al.
Klin Wochenschr 1984 Jan 16;62(2):87–92

BINDING SITES, ANTIBODY

Ultrastructural localization of in vitro binding sites of circulating anti–basement membrane zone antibodies in bullous pemphigoid. Yamasaki Y, et al.
Acta Derm Venereol (Stockh) 1983;63(6):501–6

Localization of lectin binding sites on the rat intestinal microvillous membrane. Ovtscharoff W, et al.
Acta Histochem (Jena) 1984;74(1):21–4

Immunochemical analysis of cod fish allergen M: locations of the immunoglobulin binding sites as demonstrated by the native and synthetic peptides. Elsayed S, et al.
Allergy 1983 Oct;38(7):449–59 (35 ref.)

Selective binding of peanut lectin by T lineage lymphocytes in paraffin sections. Codegone ML, et al.
Basic Appl Histochem 1983;27(3):177–82

Monoclonal antibodies for the histopathological diagnosis of cervical neoplasia. Jha RS, et al. **Br J Obstet Gynaecol** 1984 May;91(5):483–8

Binding of human lymphocyte–specific monoclonal antibodies to common marmoset lymphoid cells. Barton RW, et al. **Cell Immunol** 1984 Apr 1;84(2):446–52

Binding of cytoskeletal proteins by monoclonal anti–DNA lupus autoantibodies. André–Schwartz J, et al.
Clin Immunol Immunopathol 1984 May;31(2):261–71

Passive transfer of arthritis by purified anticollagen immunoglobulin: localization of 125I–labeled antibody. Kerwar SS, et al. **Clin Immunol Immunopathol** 1983 Nov; 29(2):318–21

Application of acrylamide as an embedding medium in studies of lectin and antibody binding in the vertebrate retina. Johnson LV, et al. **Curr Eye Res** 1984 Jul;3(7):969–74

MRC OX–19: a monoclonal antibody that labels rat T lymphocytes and augments in vitro proliferative responses. Dallman MJ, et al. **Eur J Immunol** 1984 Mar;14(3):260–7

Binding of a murine monoclonal anti–DNA antibody to Raji cells. Implications for the interpretation of the Raji cell assay for immune complexes. Tron F, et al.
Eur J Immunol 1984 Mar;14(3):283–6

Characterization of a major human antibody clonotype (1A) by monoclonal antibodies to combining site–associated idiotopes. Zenke G, et al. **Eur J Immunol** 1984 Feb; 14(2):164–70

A microplate enzyme–linked immunospecific assay (ELISA) detecting unbound anti–platelet antibodies. Fabris F, et al.
Folia Haematol (Leipz) 1984;111(1):66–71

Cleavage of protein A–binding IgA1 with IgA1 protease from Streptococcus sanguis. Biewenga J, et al.
Immunol Commun 1983 Oct;12(5):491–500

Measurement of binding constants for divalent antibody–immobilized antigen interaction by antigen–sepharose 4B chromatography. Bruera MR, et al.
Immunol Commun 1983 Oct;12(5):529–38

The thyroid 'microsomal' antibody revisited. Its paradoxical binding in vivo to the apical surface of the follicular epithelium. Khoury EL, et al. **J Exp Med** 1984 Feb 1; 159(2):577–91

Multiple autoantigen binding capabilities of mouse monoclonal antibodies selected for rheumatoid factor activity. Rubin RL, et al. **J Exp Med** 1984 May 1; 159(5):1429–40

Chemical synthesis of idiotopes. Evidence that antisera to the same JH1 peptide detect multiple binding site–associated idiotopes. Seiden MV, et al. **J Exp Med** 1984 May 1;159(5):1338–50

Amino acid sequence of a phosphocholine–binding antibody from an immune defective CBA/N mouse employing the T15 VH region associated with unusual DH, JH, and V kappa segments. Clarke SH, et al. **J Immunol** 1984 Mar; 132(3):1544–9

Localized conformational changes induced in a class I major histocompatibility antigen by the binding of monoclonal antibodies. Diamond AG, et al. **J Immunol** 1984 Mar; 132(3):1169–75

The interaction of monoclonal antibodies with MHC class I antigens on mouse spleen cells. I. Analysis of the mechanism of binding. Dower SK, et al. **J Immunol** 1984 Feb;132(2):751–8

Further characterization of cooperative interactions of monoclonal antibodies. Ehrlich PH, et al. **J Immunol** 1983 Oct;131(4):1906–12

Monoclonal antibodies against SSEA–1 antigen: binding properties and inhibition of human natural killer cell activity against target cells bearing SSEA–1 antigen. Harris JF, et al. **J Immunol** 1984 May;132(5):2502–9

Monoclonal antibodies as functional probes of the HN glycoprotein of Newcastle disease virus: antigenic separation of the hemagglutinating and neuraminidase sites. Iorio RM, et al. **J Immunol** 1984 Oct;133(4):2215–9

Junctional diversity is essential to antibody activity. Jeske DJ, et al. **J Immunol** 1984 Sep;133(3):1090–2

Transformation of LMTK– cells with purified class I genes. V. Antibody–induced structural modification of HLA class I molecules results in potentiation of the fixation of a second monoclonal antibody. Lemonnier FA, et al. **J Immunol** 1984 Mar;132(3):1176–82

Abnormal binding of soluble IgG immune complexes to hepatic nonparenchymal cells of autoimmune mice. Magilavy DB, et al. **J Immunol** 1983 Dec;131(6):2784–8

Regulation of TCGF production in T cells. II. Early membrane events after anti–Thy–1 binding by the TCGF–producing T lymphoma EL–4 G–12. Norcross MA, et al. **J Immunol** 1984 Feb;132(2):833–8

A rat monoclonal antibody that binds specifically to mouse T lymphoblasts and inhibits IL 2 receptor functions: a putative anti–IL 2 receptor antibody. Osawa H, et al.
J Immunol 1984 May;132(5):2445–50

Use of JH4 joining segment gene by an anti–arsonate antibody that bears the major A–strain cross–reactive idiotype but displays diminished antigen binding. Slaughter CA, et al. **J Immunol** 1984 Jun;132(6):3164–71

A 'dot–immunobinding assay' on nitrocellulose membrane for the determination of the immunoglobulin class of mouse monoclonal antibodies. Beyer CF. **J Immunol Methods** 1984 Feb 24;67(1):79–87

Binding of cells to matrixes of distinct antibodies coated on solid surface. Chang TW. **J Immunol Methods** 1983 Dec 16;65(1–2):217–23

Detection of monoclonal antibodies against cell surface antigens: the use of antiglobulins coupled to red blood cells. Clark MR, et al. **J Immunol Methods** 1984 Jan 20;66(1):81–7

A quantitative immunobinding radioimmunoassay for antigens attached to nitrocellulose paper. Davis JW, et al.
J Immunol Methods 1984 Mar 16;67(2):271–8

Selective binding of heat– and antigen–aggregated IgG to Blue–Sepharose. Radioimmunoassay of circulating immune complexes. Dobre MA, et al. **J Immunol Methods** 1983 Dec 16;65(1–2):207–15

Selective affinity of protein A containing staphylococci for monomeric and polymeric IgG. Dobre MA, et al.
J Immunol Methods 1984 Jan 20;66(1):171–8

Detection of IgA class circulating immune complexes bound to anti–C3d antibody in patients with IgA nephropathy. Doi T, et al. **J Immunol Methods** 1984 Apr 13;69(1):95–104

Flow cytometric analysis of specific binding of soluble Ia by I–region restricted alloactivated T cells. Elliott BE, et al. **J Immunol Methods** 1984 Aug 3;72(1):11–28

Reduction of non–specific human IgM binding in solid–phase assays. Emmrich F. **J Immunol Methods** 1984 Sep 4; 72(2):501–3

A simple general method of exactly comparing different binding activities and antigenic properties of antibodies by obtaining duplicate copies from a single isoelectric focusing gel. Friedenson B, et al. **J Immunol Methods** 1984 Mar 16;67(2):235–42

Detection of antibody–coated sperm by 'panning' procedures. Hancock RJ, et al. **J Immunol Methods** 1984 Jan 20; 66(1):149–59

Characterization of antisera to cholecystokinin by use of different cholecystokinin labels. Jansen JB, et al.
J Immunol Methods 1984 Jun 8;71(1):1–8

Inhibition of antibody binding to viable cells by liposomes containing purified rat spleen glycoprotein. Jansson B, et al. **J Immunol Methods** 1983 Dec 16;65(1–2):159–69

Quantitation of helper factor activity. II. Inhibition of antibody binding. Kilburn DG, et al.
J Immunol Methods 1984 Feb 24;67(1):193–200

Determination of the immunoreactive fraction of radiolabeled monoclonal antibodies by linear extrapolation to binding at infinite antigen excess. Lindmo T, et al.
J Immunol Methods 1984 Aug 3;72(1):77–89

Use of a zwitterionic detergent for the restoration of the antibody–binding capacity of electroblotted meningococcal outer membrane proteins. Mandrell RE, et al.
J Immunol Methods 1984 Feb 24;67(1):1–11

Antigen–independent binding of rat immunoglobulins in a radioimmunoassay. Solutions to an unusual background problem. Nilsson R, et al. **J Immunol Methods** 1984 Jan 20;66(1):17–25

A rapid, automated colorimetric assay for measuring antibody binding to cell surface antigens. O'Neill HC, et al. **J Immunol Methods** 1983 Nov 25;64(3):257–68

Use of antibody-coated polyacrylic plastic beads for semiquantitative determination of cell surface antigens. Pachmann K, et al. **J Immunol Methods** 1983 Nov 25; 64(3):383–8

Molecular characterization of a membrane protein by a simple immunobinding procedure with monoclonal antibodies. Sonnenberg A, et al. **J Immunol Methods** 1984 Sep 4;72(2):443–50

A biotin–avidin technique for the localisation of membrane-bound monoclonal antibodies by low power transmission electron microscopy. Volsen SG. **J Immunol Methods** 1984 Aug 3;72(1):119–26

Immunohistochemical characterization of intracellular J-chain and binding site for secretory component (SC) in human immunoglobulin (Ig)-producing cells. Brandtzaeg P. **Mol Immunol** 1983 Sep;20(9):941–66

Immunologic specificity of antigen-binding T cell-derived factors that transfer mast cell-dependent, immediate hypersensitivity-like reactions. Askenase PW, et al. **Monogr Allergy** 1983;18:249–55

Distinct recognition sites on histocompatibility antigens for antibodies and cytotoxic T lymphocytes. Hämmerling GJ, et al. **Prog Clin Biol Res** 1983;132B:375–85

Identification of an antigenic site in the neutralization of type 3 poliovirus. Minor PD, et al. **Rev Infect Dis** 1984 May–Jun; 6 Suppl 2:S516–8

Receptor-like activity of a monoclonal anti-idiotypic antibody against an anti-acetylcholine receptor antibody. Lefvert AK, et al. **Scand J Immunol** 1984 May;19(5):485–9

Mechanisms of idiotype suppression: role of anti-idiotype antibody. Kim BS. **Surv Immunol Res** 1982;1(2):126–32 (22 ref.)

Fate of antipaternal H-2 antibodies bound to the placenta in vivo. Raghupathy R, et al. **Transplantation** 1984 Mar; 37(3):296–300

Insulin binding sites induced in the Tetrahymena by rat liver receptor antibody. Csaba G, et al. **Z Naturforsch [C]** 1984 Jan–Feb;39(1–2):183–5

[Analysis of the discrete structure of antibodies by affinity and antigen-binding capacity] Levi MI. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Oct;(10):71–6 (Eng. Abstr.) **(Rus)**

ANALYSIS

Differential binding to human mammary and nonmammary tumors of monoclonal antibodies reactive with carcinoembryonic antigen. Colcher D, et al. **Cancer Invest** 1983;1(2):127–38

Binding of antibodies against human prealbumin to intestinal and bronchial carcinoids and to pancreatic endocrine tumours. Bussolati G, et al. **Virchows Arch [Cell Pathol]** 1984;45(1):15–22

DRUG EFFECTS

Loss of antibody binding to prefixed cells: fixation parameters for immunocytochemistry. Van Ewijk W, et al. **Histochem J** 1984 Feb;16(2):179–93

Optimization of the DTPA mixed-anhydride reaction with antibodies at low concentration. Paik CH, et al. **J Nucl Med** 1983 Oct;24(10):932–6

IMMUNOLOGY

A unique substance from the granary weevil: nonspecific immunoglobulin binding substance. Mitsuhashi M, et al. **Int Arch Allergy Appl Immunol** 1983;72(4):310–5

BIOAVAILABILITY see BIOLOGICAL AVAILABILITY

BIOCHEMISTRY

Societe Belge de Biochimie. 123d meeting, Louvain-la-Neuve, 23 April 1983. Abstracts. **Arch Int Physiol Biochim** 1983 Jul;91(2):B49–82

1983 index issue. Cumulative indexes for Volumes 110–117. **Biochem Biophys Res Commun** 1983;110–117:v–lxvi, 1–150

Cumulative subject index issue. Index for volumes 74–103, 1977–1981. **Biochem Biophys Res Commun** 1977–81; 74–103:1–298

Biophysical Society: Program and abstracts, twenty-eighth annual meeting, February 19–24, 1984, San Antonio, Texas. **Biophys J** 1984 Feb;45(2 Pt 2):1a–404a

Use of cultured human cells for biochemical analysis. Buchwald M. **Clin Biochem** 1984 Jun;17(3):143–50 (69 ref.)

BIOBELL—a simulation system for biochemistry and biophysics. Stevenson DE, et al. **Comput Biol Med** 1984; 14(1):35–46

Index of biochemical reviews 1982. Arnstein RE, et al. **FEBS Lett** 1983 Dec;164 Suppl:1–121 (0 ref.)

[Fall meeting of the Society for Biological Chemistry. 26–30 December 1983, Göttingen. Abstracts] **Hoppe Seylers Z Physiol Chem** 1983 Sep;364(9):1089–236 (Eng. Abstr.) **(Ger)**

[I feed you—I starve you. Anglicisms in biochemistry and medicine] Thiele OW. **MMW** 1983 Aug 5;125(31):691–3 **(Ger)**

[Mutual stimulation of research in biochemistry and pediatrics] Schreier K. **Padiatr Padol** 1984;19(3):213–20 **(Ger)**

[Raising of scientific levels in the application of pathological and clinical biochemistry and other areas of laboratory diagnosis for diagnostic and therapeutic control and for prophylaxis and metaphylaxis] Scheuch DW. **Z Med Lab Diagn** 1984;25(1):3–4 **(Ger)**

[Abstracts of papers presented at the 56th annual meeting of the Japanese Biochemical Society] **Seikagaku** 1983 Aug; 55(8):527–1064 (Eng. Abstr.) **(Jpn)**

[Activities and scientific work organization at the municipal centralized biochemical laboratory in Kharkov] Luk'ianchenko AA, et al. **Lab Delo** 1984;(1):54–5 **(Rus)**

EDUCATION

A contribution to the unification of written examination programmes for medical chemistry at medical faculties. Schneiderka P, et al. **Acta Univ Carol [Med] (Praha)** 1983; 29(3–4):167–82

Curricular guidelines on biochemistry and nutrition for dental hygienists. **J Dent Educ** 1984 Jun;48(6):318–22

[Teaching biochemistry in medical institutes] Berezov TT. **Vopr Med Khim** 1984 Mar–Apr;30(2):132–6 **(Rus)**

HISTORY

Professor Józef Heller 1896–1982. Szarkowski JW, et al. **Acta Biochim Pol** 1984;31(1):5–8

Use of liposomes in medicine. Whelan WJ. **Biochem Soc Trans** 1984 Apr;12(2):331–2

Archibald Byron Macallum, pioneer of biochemistry in Canada. Neelin JM. **Can J Biochem Cell Biol** 1984 Jun; 62(6):viii–xi

Intellectual traditions in the life sciences: molecular biology and biochemistry. Gilbert SF. **Perspect Biol Med** 1982 Autumn;26(1):151–62

Henry Drysdale Dakin, biochemist (1880–1952): the option of obscurity. Hawthorne RM Jr. **Perspect Biol Med** 1983 Summer;26(4):553–66

In memoriam—Freeman Widener Cope—1930–1982. Damadian R. **Physiol Chem Phys** 1982;14(5):411–4

[The experimental method of the biochemist Otto Heinrich Warburg] Werner P. **Z Arztl Fortbild (Jena)** 1983; 77(22):947–9 **(Ger)**

INSTRUMENTATION

An apparatus for sequentially combining microvolumes of reagents by infrasonic mixing. Camien MN, et al. **Anal Biochem** 1984 May 1;138(2):329–34

Solid-phase optoelectronic sensors for biochemical analysis. Goldfinch MJ, et al. **Anal Biochem** 1984 May 1;138(2):430–6

An apparatus for simultaneous manual solid-phase synthesis of multiple peptide analogs. Gorman JJ. **Anal Biochem** 1984 Feb;136(2):397–406

A carrier-free cell superfusion system for the study of androgen formation from precursor steroids by isolated rat testis Leydig cells under steady-state conditions. Kühn-Velten N, et al. **Anal Biochem** 1984 Feb;137(1):164–9

A twin titration microcalorimeter for the study of biochemical reactions. McKinnon IR, et al. **Anal Biochem** 1984 May 15;139(1):134–9

Contributions to the development of laboratory equipment. Hörer OL. **Virologie** 1983 Jul–Sep;34(3):213–22 (46 ref.)

Dynamics of xenobiotic metabolism by isolated rat hepatocytes using a multichannel perifusion system. Orton TC, et al. **Xenobiotica** 1983 Dec;13(12):743–53

METHODS

Simplex optimization in biochemistry: application of the method in two-phase partition. Backman L, et al. **Anal Biochem** 1984 May 1;138(2):372–9

The interaction of proteins and cells with affinity ligands covalently coupled to silicon surfaces as monitored by ellipsometry. Mandenius CF, et al. **Anal Biochem** 1984 Feb; 137(1):106–14

On sources of error in the biochemical study of perilymph (guinea-pig). Scheibe F, et al. **Arch Otorhinolaryngol** 1984; 240(1):43–8

Applications of secondary ion mass spectrometry (SIMS) in biological research: a review. Burns MS. **J Microsc** 1982 Sep;127 (Pt 3):237–58

Need a catalyst? Design an enzyme. Maugh TH 2d. **Science** 1984 Jan 20;223(4633):269–71

STANDARDS

Evolution of a national urine quality assurance programme: the Australasian experience, 1981–1983. Shephard MD, et al. **J Clin Pathol** 1984 Apr;37(4):415–23

TRENDS

[Medical aspects of the problem of physico-chemical biology and biotechnology] Dziublik RF, et al. **Vrach Delo** 1984 Jun;(6):81–2 (Eng. Abstr.) **(Rus)**

BIOCOMPATIBLE MATERIALS

Processed bovine cartilage: an improved biosynthetic implant for contour defects. Ersek RA, et al. **Ann Plast Surg** 1984 May;12(5):397–409

Tympanoplasty with calcium phosphate. Grote JJ. **Arch Otolaryngol** 1984 Mar;110(3):197–9

Clinical use of injectable collagen. A three-year retrospective review. Kamer FM, et al. **Arch Otolaryngol** 1984 Feb; 110(2):93–8

The biologic basis for the clinical application of the silicones. A correlate to their biocompatibility. Habal MB. **Arch Surg** 1984 Jul;119(7):843–8 (25 ref.)

Development and in vivo testing of a chronic percutaneous prosthesis. Daly BD, et al. **Artif Organs** 1983 Nov; 7(4):454–8

Fifth University of California, Davis, Biomedical Engineering Symposium. October 21 and 22, 1982. **Biomater Med Devices Artif Organs** 1983;11(1):1–124

Studies on the hydrolysis of biocompatible acrylic polymers having aspirin-moieties. Gu ZW, et al. **Biomater Med Devices Artif Organs** 1983;11(2–3):211–9

The use of the mouse peritoneal cavity for screening for biocompatibility of polymers. Wortman RS, et al. **Biomater Med Devices Artif Organs** 1983;11(1):103–14

Biomaterial biocompatibility and the macrophage. Anderson JM, et al. **Biomaterials** 1984 Jan;5(1):5–10 (57 ref.)

Preparation of an asymmetric semipermeable membrane with anticoagulant activity. Crassous G, et al. **Biomaterials** 1984 May;5(3):153–6

Interactions of human platelets with insoluble anticoagulant modified polystyrene resins. Fougnot C, et al. **Biomaterials** 1984 May;5(3):169–74

Biomembrane surfaces as models for polymer design: the potential for haemocompatibility. Hayward JA, et al. **Biomaterials** 1984 May;5(3):135–42 (67 ref.)

Relationship between the degradation behaviour of calcium phosphate ceramics and their physical-chemical characteristics and ultrastructural geometry. Klein CP, et al. **Biomaterials** 1984 May;5(3):157–60

Role of medical materials, both in implant and surface applications, in immune response and in resistance to infection. Merritt K. **Biomaterials** 1984 Jan;5(1):47–53 (100 ref.)

Electrochemical corrosion of metallic biomaterials. Pourbaix M. **Biomaterials** 1984 May;5(3):122–34 (48 ref.)

Electrokinetic properties of polymer and glass surfaces in aqueous solutions: experimental evidence for swollen surface layers. Voigt A, et al. **Biomaterials** 1983 Oct; 4(4):299–304

Quantitative measurements of contact interactions between solid surfaces—a novel method for characterizing surface properties of biomaterials. Wolf H, et al. **Biomaterials** 1983 Oct;4(4):289–93

Gas-to-liquid permeation in silicon-containing, crosslinked, glassy copolymers of methyl methacrylate. Yang WM, et al. **Biomaterials** 1983 Oct;4(4):281–4

Osteogenesis after bone and bone marrow transplantation. The ability of ceramic materials to sustain osteogenesis from transplanted bone marrow cells: preliminary studies. Nade S, et al. **Clin Orthop** 1983 Dec;(181):255–63

Silicone implants in dogs. A ten-year histopathologic study. Swanson AB, et al. **Clin Orthop** 1984 Apr;(184):293–301

Haemodialysis leucopenia as an index of membrane biocompatibility. Aljama P, et al. **Contrib Nephrol** 1984; 37:129–33

Biocompatibility of various dialysis membranes as assessed by coagulation assay. Gasparotto ML, et al. **Contrib Nephrol** 1984;37:96–100

Definition of biocompatibility. Klinkmann H, et al. **Contrib Nephrol** 1984;37:70–7

Cellular responses to implant materials: biological, physical and chemical factors. Kawahara H. **Int Dent J** 1983 Dec; 33(4):350–75

Peritoneal access devices: a search for biocompatibility. Ash SR. **Int J Artif Organs** 1984 May;7(3):115–8 (9 ref.)

A native whole blood test for the evaluation of blood-surface interaction: determination of thromboxane production. Mantovani E, et al. **Int J Artif Organs** 1984 May; 7(3):147–50

The heart prosthesis—biocompatibility with living tissue [letter] Trbušek V, et al. **Int J Artif Organs** 1984 May; 7(3):163–4

Injectable collagen implant—update. Castrow FF 2d, et al. **J Am Acad Dermatol** 1983 Dec;9(6):889–93

The immunogenicity of injectable collagen. II. A retrospective review of seventy-two tested and treated patients. Cooperman L, et al. **J Am Acad Dermatol** 1984 Apr;10(4):647–51

The immunogenicity of injectable collagen. I. A 1-year prospective study. Cooperman L, et al. **J Am Acad Dermatol** 1984 Apr;10(4):638–46

Hydroxylapatite, beta tricalcium phosphate, and autogenous and allogeneic bone for filling periodontal defects, alveolar ridge augmentation, and pulp capping. Council on Dental Materials, Instruments, and Equipment Council on Dental Research Council on Dental Therapeutics. **J Am Dent Assoc** 1984 May;108(5):822, 825, 827 passim

Biocompatibility of implant materials: a review and scanning electron microscopic study. Apple DJ, et al. **J Am Intraocul Implant Soc** 1984 Winter;10(1):53–66 (49 ref.)

Intraoral behaviour and biocompatibility of gold versus non precious alloys. Glantz PO. **J Biol Buccale** 1984 Mar; 12(1):3–16 (61 ref.)

Characterization of plasma polymerized silicone coatings useful as biomaterials. Chawla AS, et al. **J Biomed Mater Res** 1984 May–Jun;18(5):537–45

Key references in biomaterials: bone/biomaterial interface in orthopedic joint implants. Gruen TA, et al. **J Biomed Mater Res** 1984 May–Jun;18(5):577–99

Structure–biocompatibility relationship of condensation polymers. Imai Y, et al. **J Biomed Mater Res** 1983 Nov; 17(6):905–12

Macroporous hydrogel membranes for a hybrid artificial pancreas. II. Biocompatibility. Klomp GF, et al. **J Biomed Mater Res** 1983 Sep;17(5):865–71

Interaction of fibroblasts and polymer surfaces: relationship between surface free energy and fibroblast spreading. van der Valk P, et al. **J Biomed Mater Res** 1983 Sep; 17(5):807–17

Streaming potential and streaming current measurements to estimate surface conduction and electric double layer structure of biomaterials. Voigt A, et al. **J Biomed Mater Res** 1984 Mar;18(3):317–20

Total hip arthroplasty with a low-modulus porous-coated femoral component. Tullos HS, et al. **J Bone Joint Surg [Am]** 1984 Jul;66(6):888–98

Adhesion of coagulase-negative staphylococci to biomaterials. Hogt AH, et al. **J Gen Microbiol** 1983 Sep; 129 (Pt 9):2959–68

Short term implantation studies of periodontal dressings. Wennberg A, et al. **J Periodont Res** 1983 May;18(3):306–10

Alloplastic implants of tricalcium phosphate ceramic in human periodontal osseous defects. Snyder AJ, et al. **J Periodontol** 1984 May;55(5):273–7

In vitro comparison study of MDX-4-4210 and polydimethyl siloxane silicone materials. Abdelnnabi MM, et al. **J Prosthet Dent** 1984 Apr;51(4):523–6

In vitro cell response to cobalt-chromium-molybdenum alloy containing beryllium. Nakamura M, et al. **J Prosthet Dent** 1984 Jun;51(6):790–6

Effect of tanning agent on tissue reaction to tissue implanted collagen sponge. Chvapil M, et al. **J Surg Res** 1983 Nov; 35(5):402–9

Alloplastic spermatocele: diffusion across the allograft material and survival of spermatozoa in vitro and in vivo. Turner TT, et al. **J Urol** 1984 Sep;132(3):591–4

Biomaterials and herniology [letter] Berliner SD. **JAMA** 1984 Mar 16;251(11):1431–2

Bioactive glass-ceramics in ear surgery: animal studies and clinical results. Reck R. **Laryngoscope** 1984 Feb;94(2 Pt 2 Suppl 33):1–54

Plastipore total ossicular replacement prosthesis. Shea J. **Laryngoscope** 1976 Feb;86(2):239–40

Experimental replacement of canine pericardium. Reder RF, et al. **Mt Sinai J Med (NY)** 1983 Nov-Dec;50(6):491–7

HTR (hard tissue replacement) for edentulous ridge augmentation. Ashman A, et al. **NY J Dent** 1983 Dec; 53(8):387–92

Biomaterials for alveolar ridge maintenance and augmentation. Legeros RZ, et al. **NY State Dent J** 1983 Oct;49(8):570–5 (77 ref.)

Plastipore ossicular prostheses. A histological evaluation. Gamoletti R, et al. **ORL J Otorhinolaryngol Relat Spec** 1984;46(2):69–73

Symposium on wound healing. **Otolaryngol Clin North Am** 1984 May;17(2):241–458

Wound healing: bone and biomaterials. Kent JN, et al. **Otolaryngol Clin North Am** 1984 May;17(2):273–319 (185 ref.)

A trial of Biolite ventilation tubes in children: is further use warranted? Handler SD, et al. **Otolaryngol Head Neck Surg** 1983 Aug;91(4):437–40

Fate of thrombin and thrombin–antithrombin–III complex adsorbed to a heparinized biomaterial: analysis of the enzyme–inhibitor complexes displaced by plasma. Hatton MW, et al. **Thromb Haemost** 1983 Dec 30;50(4):873–7

New absorbable explants using gelatin and synthetic materials. Wilson RS. **Trans Am Ophthalmol Soc** 1983; 81:966–1033

The effect of temperature on the extent of platelet adhesion to foreign surfaces. Absolom DR, et al. **Trans Am Soc Artif Intern Organs** 1983;29:425–9

Determination of the surface tension of protein coated materials by means of the advancing solidification front technique. Absolom DR, et al. **Trans Am Soc Artif Intern Organs** 1983;29:146–51

Surface chemistry and blood–material interactions (BMI). Cumming RD, et al. **Trans Am Soc Artif Intern Organs** 1983;29:163–8

Monitoring of prosthetic vascular grafts using piezoelectric polymer sensors. Dario P, et al. **Trans Am Soc Artif Intern Organs** 1983;29:318–22

Relative role of surface chemistry and surface texture in blood–material interactions. Didisheim P, et al. **Trans Am Soc Artif Intern Organs** 1983;29:169–76

Alkyl derivatized cellulose acetate membranes with enhanced albumin affinity. Frautschi JR, et al. **Trans Am Soc Artif Intern Organs** 1983;29:242–4

Dacron-reinforced bovine heterograft for hemodialysis: long-term follow-up of a new prosthesis. Frey DJ, et al. **Trans Am Soc Artif Intern Organs** 1983;29:379–83

Oscillating blood flow enhances membrane plasmapheresis. Galletti PM, et al. **Trans Am Soc Artif Intern Organs** 1983; 29:279–82

Interaction of albumin–heparin conjugate preadsorbed surfaces with blood. Hennink WE, et al. **Trans Am Soc Artif Intern Organs** 1983;29:200–5

Surface modification of polyurethane to promote long-term patency of peritoneal access devices. Hunter SK, et al. **Trans Am Soc Artif Intern Organs** 1983;29:250–4

Evaluation of thrombus deposition onto polymeric biomaterials in a new subhuman primate ex vivo series shunt model. Lambrecht LK, et al. **Trans Am Soc Artif Intern Organs** 1983;29:194–9

Development of a neo-artery induced by a biodegradable polymeric vascular prosthesis. Lommen E, et al. **Trans Am Soc Artif Intern Organs** 1983;29:255–9

A new method to give an antithrombogenicity to biological materials and its successful application to vascular grafts. Miyata T, et al. **Trans Am Soc Artif Intern Organs** 1983; 29:363–8

Peripheral nerve repair with bioresorbable prosthesis. Nyilas E, et al. **Trans Am Soc Artif Intern Organs** 1983;29:307–13

Anisotropic polyurethane nonwoven conduits: a new approach to the design of a vascular prosthesis. Wilson GJ, et al. **Trans Am Soc Artif Intern Organs** 1983;29:260–8

Platelet–protein interactions at blood–polymer interfaces in the canine test model. Young BR, et al. **Trans Am Soc Artif Intern Organs** 1983;29:442–7

Materials for bone and joint replacement. Langer G. **Z Exp Chir Transplant Kunstliche Organe** 1983;16(4):203–12

Microbial colonization of prosthetic devices. V. attachment of coagulase-negative staphylococci and 'slime'-production on chemically pure synthetic polymers. Ludwicka A, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Sep; 177(6):527–32

[Complex biochemical analysis of cicatricial connective tissue after implantation of the synthetic Bulgarian antimicrobial polyamide sheet into the abdominal wall of rabbits] Prodanov K, et al. **Khirurgiia (Sofiia)** 1984;37(2):101–7 **(Bul)**

[Biocompatibility of metals in the oral cavity] Picard B. **Actual Odontostomatol (Paris)** 1984 Mar;145:147–58 (Eng. Abstr.) **(Fre)**

[Study of the corrosion of metallic biomaterials by surface physical methods] Muster D, et al. **C R Soc Biol (Paris)** 1983;177(4):496–503 (Eng. Abstr.) **(Fre)**

[Macromolecular biomaterials: general considerations, use of microcapsules in extracorporeal circulation] Gayot A, et al. **J Pharm Belg** 1983 Sep–Oct;38(5):246–50 (Eng. Abstr.) **(Fre)**

[Composites and biocompatibility] Knoché JF. **Rev Odontostomatol (Paris)** 1983 Jul–Aug;12(4):253–7 **(Fre)**

[Uncemented total prosthetics as exemplified by a carbon-fiber prosthesis of the hip joint] Heimel R, et al. **Chirurg** 1984 Jan;55(1):37–42 (Eng. Abstr.) **(Ger)**

[Resorbable suture material in cardiovascular surgery?] Tscheliessnigg KH, et al. **Chirurg** 1983 Nov;54(11):738–41 (Eng. Abstr.) **(Ger)**

[Static load on human cadaver femora with implanted hip endoprosthesis shafts in various forms] Dienel RB, et al. **Z Exp Chir Transplant Kunstliche Organe** 1983;16(4):219–26 (Eng. Abstr.) **(Ger)**

[Is fracture healing in the presence of biocompatible implant materials tantalum and niobium different in comparison to steel implants?] Rabenseifner L, et al. **Z Orthop** 1984 May-Jun;122(3):349–55 (Eng. Abstr.) **(Ger)**

[Toxicology of metals and biocompatibility of metallic implant materials] Ungethüm M, et al. **Z Orthop** 1984 Jan–Feb;122(1):99–105 (Eng. Abstr.) **(Ger)**

[Bioactive ceramics under study in Italian laboratories: scientific and technological aspects (preliminary note)] Contoli S, et al. **Chir Organi Mov** 1982–83;68(2):193–9 (Eng. Abstr.) **(Ita)**

[Massive implants of hydroxyapatite. Radiographic study: preliminary results] Krajewski A, et al. **Chir Organi Mov** 1981–82;67(6):621–6 (Eng. Abstr.) **(Ita)**

[Material design for artificial organs] Akaike T. **Iyodenshi To Seitai Kogaku** 1983 Sep;21(5):337–42 **(Jpn)**

[Modern biomedical polymers] Kadoma Y, et al. **Iyodenshi To Seitai Kogaku** 1984 Feb;22(1):1–6 (42 ref.) **(Jpn)**

[Biomaterials] Masuhara E, et al. **Iyodenshi To Seitai Kogaku** 1982 Dec;20(7):593–4 **(Jpn)**

[Forms and materials for prosthetic valves] Matsumoto H. **Kokyu To Junkan** 1983 Aug;31(8):853–60 (21 ref.) **(Jpn)**

[Biological compatibility of porous ceramic material] Bieniek J, et al. **Chir Narzadow Ruchu Ortop Pol** 1983;48(4):363–7 (Eng. Abstr.) **(Pol)**

[Our experience in using Bulgarian antibacterial polyamide sheeting in surgical practice] Chetrafilov D, et al. **Khirurgiia (Sofiia)** 1983;36(6):544–7 (Eng. Abstr.) **(Rus)**

[Use of biopolymers of osteoplastic materials in the surgical treatment of chronic osteomyelitis] Gostishchev VK, et al. **Sov Med** 1983;(10):103–5 **(Rus)**

ADVERSE EFFECTS

Systemic effects of biomaterials. Black J. **Biomaterials** 1984 Jan;5(1):11–8 (70 ref.)

[Frictional corrosion in special multiple-component endoprostheses with regard to the combination of materials] Winkler-Gniewek W, et al. **Biomed Tech (Berlin)** 1983 Jul-Aug;28(7–8):160–7 (Eng. Abstr.) **(Ger)**

ANALYSIS

Surface characterization of biomaterials by electron spectroscopy for chemical analysis. Ratner BD. **Ann Biomed Eng** 1983;11(3–4):313–36

[Determination of trace metals in biological materials by iodides extraction and atomic absorption spectrometry] Sekiguchi E, et al. **Sangyo Igaku** 1983 Sep;25(5):415–21 (Eng. Abstr.) **(Jpn)**

METABOLISM

Biodegradation behavior of various calcium phosphate materials in bone tissue. Klein CP, et al. **J Biomed Mater Res** 1983 Sep;17(5):769–84

PHARMACODYNAMICS

The response of bone to carbon–carbon composites. Adams D, et al. **Biomaterials** 1984 Mar;5(2):59–64

Beta-tricalcium phosphate delivery system for bone morphogenetic protein. Urist MR, et al. **Clin Orthop** 1984 Jul–Aug;(187):277–80

In vivo biocompatibility studies. II. Biomer: preliminary cell adhesion and surface characterization studies. Marchant RE, et al. **J Biomed Mater Res** 1984 Mar;18(3):309–15

Reduction in complement activation from biomaterials by removal of air nuclei from the surface roughness. Ward CA, et al. **J Biomed Mater Res** 1984 Mar;18(3):255–69

[Fundamental principles of bioreactive implant materials] Newesely H. **Zahn Mund Kieferheilkd** 1984;72(3):230–9 (Eng. Abstr.) **(Ger)**

[Biological properties of the materials used in conservative dentistry. III. Materials for coronal reconstruction] Miani C, et al. **Minerva Stomatol** 1984 Jan–Feb;33(1):81–5 (Eng. Abstr.) **(Ita)**

[Possibility of creating biospecific materials based on biocompatible carbon matrices] Strelko VV, et al. **Dokl Akad Nauk SSSR** 1984;274(5):1236–8 **(Rus)**

[Siloxane rubber-based medical materials with improved blood compatibility] Gorshkov AV, et al. **Med Tekh** 1984 Jan–Feb;(1):39–41 **(Rus)**

STANDARDS

Clinical applications of biomaterials. **Conn Med** 1983 Aug; 47(8):471–6

[Adhesive and thrombogenic properties of vascular prostheses] Dolgov VV, et al. **Khirurgiia (Mosk)** 1984 May; (5):112–6 **(Rus)**

[Methods of studying the thromboresistance of artificial materials used in cardiovascular surgery (review of the Soviet and foreign literature)] Uglov FG, et al. **Vestn Khir** 1984 Jun;132(6):138–42 (39 ref.) **(Rus)**

THERAPEUTIC USE

A clinico-experimental study on various wrapping materials of cerebral aneurysms. Ebina K, et al. **Acta Neurochir (Wien)** 1984;72(1–2):61–71

Cervical dilatation by Lamicel—studies on the mechanism of action. Nicolaides KH, et al. **Br J Obstet Gynaecol** 1983 Nov;90(11):1060–4

[Skin replacement as a temporary measure in post-traumatic tissue defects] Betz A, et al. **Orthopade** 1983 Sep; 12(4):193–204 **(Ger)**

[Porous corundum ceramics as a biological material] Bieniek J, et al. **Chir Narzadow Ruchu Ortop Pol** 1983;48(3):285–8 (Eng. Abstr.) **(Pol)**

TOXICITY

Tissue compatibility of different intracranial implant materials: in-vivo and in-vitro studies. Ammar A. **Acta Neurochir (Wien)** 1984;72(1–2):45–59

Metabolism of degradation/corrosion products from tissue – material interactions. Hensten-Pettersen A. **Biomaterials** 1984 Jan;5(1):42–6

BIODEGRADATION

General method for determining anaerobic biodegradation potential. Shelton DR, et al. **Appl Environ Microbiol** 1984 Apr;47(4):850–7

Genetic control of environmental pollutants. **Basic Life Sci** 1984;28:1–408

Ecological constraints on genetic engineering. Alexander M. **Basic Life Sci** 1984;28:151–68

Biodegradation in the estuarine–marine environments and the genetically altered microbe. Bourquin AW. **Basic Life Sci** 1984;28:97–115

Application of genetic engineering to industrial waste/wastewater treatment. Kobayashi HA. **Basic Life Sci** 1984;28:195–214

Engineering organisms to survive. Introduction. Levin M, et al. **Basic Life Sci** 1984;28:91–5

Land disposal and spill site environments. Middleton AC. **Basic Life Sci** 1984;28:137–49

Perspective on opportunities for genetic engineering applications in industrial pollution control. Patterson JW. **Basic Life Sci** 1984;28:187–93

Needs and strategies for genetic control: municipal wastes. Rittmann BE. **Basic Life Sci** 1984;28:215–28

Plasmid-mediated biodegradative fate of monohalogenated biphenyls in facultatively anaerobic sediments. Sayler GS, et al. **Basic Life Sci** 1984;28:117–35

The identification and cloning of genes encoding haloaromatic catabolic enzymes and the construction of hybrid pathways for substrate mineralization. Weightman AJ, et al. **Basic Life Sci** 1984;28:47–80 (104 ref.)

Isolation and cultivation of microbes with biodegradative

potential. Cook AM, et al. **Experientia** 1983 Nov 15; 39(11):1191–8 (69 ref.)
Use of specialized microbial strains in the treatment of industrial waste and in soil decontamination. Finn RK. **Experientia** 1983 Nov 15;39(11):1231–6 (40 ref.)
Chemical wastes and their biodegradation—an overview. Ghisalba O. **Experientia** 1983 Nov 15;39(11):1247–57 (25 ref.)
Biodegradation and utilization of monomethyl sulfate by specialized methylotrophs. Ghisalba O, et al. **Experientia** 1983 Nov 15;39(11):1257–63
Biodegradation and utilization of quaternary alkylammonium compounds by specialized methylotrophs. Ghisalba O, et al. **Experientia** 1983 Nov 15;39(11):1264–71
Genetic aspects of biodegradation by pseudomonads. Haas D. **Experientia** 1983 Nov 15;39(11):1199–213
Microorganisms and xenobiotic compounds. Leisinger T. **Experientia** 1983 Nov 15;39(11):1183–91 (77 ref.)
Degradative plasmids. Pemberton JM. **Int Rev Cytol** 1983; 84:155–83 (82 ref.)
Irradiation conditions required in combined radiation–microbial process for landfill leachate. Yamazaki M, et al. **Radioisotopes** 1984 Apr;33(4):195–202
[Biodegradation tests of chemicals under anaerobic conditions] Taguchi H, et al. **Nippon Eiseigaku Zasshi** 1983 Aug;38(3):691–6 (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Fulvic-acid-enhanced biodegradation of aquatic contaminants. Liu D, et al. **Bull Environ Contam Toxicol** 1983 Aug;31(2):203–7

BIOELECTRIC ENERGY SOURCES

The chronically stimulated muscle as an energy source for artificial organs. Preliminary results of a basic study in sheep. Frey M, et al. **Eur Surg Res** 1984;16(4):232–7

BIOENERGETICS see ENERGY METABOLISM

BIOEQUIVALENCE see THERAPEUTIC EQUIVALENCY

BIOETHICS

Human gamete research: where are we going? [letter] Del Campo C. **Can Med Assoc J** 1983 Dec 1;129(11):1176, 1178
For the common good: a Colorado council on bioethics. Victoroff M. **Colo Med** 1984 Apr;81(4):107–9
Bioethics in the medical center: an exploration. Basson MD. **Hosp Pract [Off]** 1984 Jul;19(7):177, 181, 184 passim
Teaching biopsycho–ethical medicine in a family practice clerkship. Cassidy RC, et al. **J Med Educ** 1983 Oct; 58(10):778–83
Bioethics of IVF—the state of the debate. Kirby MD. **J Med Ethics** 1984 Mar;10(1):45–8
Nursing educators: perceptions of the curricular role of human genetics/bioethics. Mertens TR, et al. **J Nurs Educ** 1984 Mar;23(3):98–104
Ethics of research on embryos [letter] Chye NS, et al. **Lancet** 1984 Jul 28;2(8396):231
One law for conceptus, one for abortus [letter] Molloy BS. **Lancet** 1984 Jul 28;2(8396):231
Animal rights nonsense [news] **Nature** 1983 Oct 13–19; 305(5935):562
Biological ethics: Nakasone takes the lead [news] Anderson A. **Nature** 1984 Mar 29–Apr 4;308(5958):395
France deliberates on bioethics [news] Trocheris I. **Nature** 1983 Dec 15–21;306(5944):630
The bureau of bioethics: form without content is meaningless. Clements CD. **Perspect Biol Med** 1984 Winter;27(2):171–82
Bioethics in pluralist societies. Engelhardt HT Jr. **Perspect Biol Med** 1982 Autumn;26(1):64–78
Exploring the compromise of ethical principles in science. Knight JA. **Perspect Biol Med** 1984 Spring;27(3):432–42
[Bioethics and medical ethics in human experimentation] Pérez Miravete A. **Salud Publica Mex** 1983 Jul–Aug; 25(4):423–31 (Eng. Abstr.) **(Spa)**

BIOFEEDBACK (PSYCHOLOGY)

Biofeedback: a possible substitute for smoking, experiment I. Griffith EE, et al. **Addict Behav** 1983;8(3):277–85
Biofeedback therapy of essential blepharospasm. Surwit RS, et al. **Am J Ophthalmol** 1984 Jul 15;98(1):28–31
Relaxation–biofeedback in the treatment of tinnitus. Carmen R, et al. **Am J Otol** 1984 Jul;5(5):376–81
Clinical EMG feedback in motor speech disorders. Draizar A. **Arch Phys Med Rehabil** 1984 Aug;65(8):481–4
EMG biofeedback–controlled exercise in chronic arthritic knee pain. King AC, et al. **Arch Phys Med Rehabil** 1984 Jun;65(6):341–3
EMG biofeedback in the modification of hypertonia in spastic dysarthria: case report. Nemec RE, et al. **Arch Phys Med Rehabil** 1984 Feb;65(2):103–4
Electromyographic feedback treatment of chronic hemiparesis: an attempt to quantify treatment effects. Turczynski BE, et al. **Arch Phys Med Rehabil** 1984 Sep; 65(9):526–8
The Marcus–Gunn phenomenon: fortuitous desensitisation using biofeedback. Large RG. **Aust NZ J Psychiatry** 1984 Mar;18(1):89–91
Neurogenic faecal incontinence in children with spina bifida: rectosphincteric responses and evaluation of a physiological rationale for management, including biofeedback conditioning. Shepherd K, et al. **Aust Paediatr J** 1983 Jun; 19(2):97–9
Low female sexual arousal. Negative results using biofeedback and sex therapy. Hoon EF, et al. **Behav Modif** 1983 Apr;7(2):197–210
Voluntary control of skin temperature: role of experimenter presence versus absence. Bregman NJ, et al. **Biofeedback Self Regul** 1983 Dec;8(4):543–6
Concordance among self–regulated responses: is self–regulatory ability a psychophysiological 'trait'? DeGood DE, et al. **Biofeedback Self Regul** 1983 Sep; 8(3):351–61
Quieting response training: long–term evaluation of a clinical biofeedback practice. Ford MR, et al. **Biofeedback Self Regul** 1983 Jun;8(2):265–78
Cognitive and physiologic responses to EMG biofeedback and three types of pseudofeedback during a muscular relaxation task. Hatch JP, et al. **Biofeedback Self Regul** 1983 Sep;8(3):409–25
Blood volume pulse biofeedback treatment of chronic cluster headache. Hoelscher TJ, et al. **Biofeedback Self Regul** 1983 Dec;8(4):533–41
The utilization of EMG biofeedback for the treatment of periorbital facial muscle tension. Ince LP. **Biofeedback Self Regul** 1983 Sep;8(3):377–82
A comparison of two behavioral treatments in decreasing the orofacial movement of tardive dyskinesia. Jackson GM, et al. **Biofeedback Self Regul** 1983 Dec;8(4):547–53
Mark Schwartz and the Biofeedback Certification Institute of America: an appreciation. Jacobs DW. **Biofeedback Self Regul** 1983 Jun;8(2):279–80
Feedback and incentive effects on the decrease of interbeat interval. Johnston DW, et al. **Biofeedback Self Regul** 1983 Jun;8(2):255–63
The relative efficacy of autogenic phrases and autogenic–feedback training in teaching hand warming to children. Kelton A, et al. **Biofeedback Self Regul** 1983 Sep; 8(3):461–75
An alternative perspective on biofeedback efficacy studies: a reply to Steiner and Dince. Kewman DG, et al. **Biofeedback Self Regul** 1983 Sep;8(3):487–503
EMG biofeedback for functional bladder–sphincter dyssynergia: a case study. Libo LM, et al. **Biofeedback Self Regul** 1983 Jun;8(2):243–53
Relaxation practice after biofeedback therapy: a long–term follow–up study of utilization and effectiveness. Libo LM, et al. **Biofeedback Self Regul** 1983 Jun;8(2):217–27
Generalization of lowered EMG levels during musical performance following biofeedback training. Morasky RL, et al. **Biofeedback Self Regul** 1983 Jun;8(2):207–16
Attention and regulation of EEG alpha–attenuation responses. Mulholland T, et al. **Biofeedback Self Regul** 1983 Dec;8(4):585–600
Biofeedback–assisted stress management for insulin–treated diabetes mellitus. Rosenbaum L. **Biofeedback Self Regul** 1983 Dec;8(4):519–32
Mediation of skin temperature biofeedback effects in children. Suter S, et al. **Biofeedback Self Regul** 1983 Dec;8(4):567–84
Learned helplessness and the facilitation of biofeedback performance. Traub GS, et al. **Biofeedback Self Regul** 1983 Sep;8(3):477–85
The effect of stressful life events on EMG biofeedback and relaxation training in the treatment of anxiety. Weinman ML, et al. **Biofeedback Self Regul** 1983 Jun;8(2):191–205
Pulmonary changes induced by frontal EMG training. Harver A, et al. **Biol Psychol** 1984 Feb;18(1):3–10
Minor tranquilizers, personality inventory, and EMG feedback with chronic anxious patients. Lamontagne Y, et al. **Compr Psychiatry** 1983 Nov–Dec;24(6):543–5
Head–position training through biofeedback: prosthetic or cure? Catanese AA, et al. **Dev Med Child Neurol** 1984 Jun; 26(3):369–74
Relaxation biofeedback conditioning as treatment of a disturbed defecation reflex. Report of a case. van Baal JG, et al. **Dis Colon Rectum** 1984 Mar;27(3):187–9
Blocking cybernosis in endocrine glands pathology. Milcu SM. **Endocrinologie** 1984 Apr–Jun;22(2):147–50
Using EMg biofeedback to signal hyperactive children when to relax. christie DJ, et al. **Except Child** 1984 Apr; 50(6):547–8
The psychological effectiveness of pain management procedures in the context of behavioral medicine and medical psychology. Trifiletti RJ. **Genet Psychol Monogr** 1984 May;109(2D Half):251–78 (75 ref.)
EMG biofeedback during dynamic movement as a treatment for tension headache. Ahles TA, et al. **Headache** 1984 Jan; 24(1):41–4
The value of biofeedback in the treatment of chronic headache: a four–year retrospective study. Diamond S, et al. **Headache** 1984 Jan;24(1):5–18
Menstrual migraine headache: results of a controlled, experimental, outcome study of non–drug treatments. Solbach P, et al. **Headache** 1984 Mar;24(2):75–8
A study of childhood headache using biofeedback as a treatment alternative. Werder DS, et al. **Headache** 1984 May;24(3):122–6
Biofeedback pain control. Proctor MR, et al. **Hosp Pract [Off]** 1984 Apr;19(4):104D–104F, 104K–104M
A comparison of relaxation methods for reducing stress in nursing personnel. Murphy LR. **Hum Factors** 1983 Aug; 25(4):431–40
Skin temperature biofeedback: evaluation of positive and negative monetary incentives. Bregman NJ, et al. **Int J Neurosci** 1983 Dec;22(1–2):119–24
Constraints on the Yerkes–Dodson law in skin temperature biofeedback. Bregman NJ, et al. **Int J Neurosci** 1983 Nov; 21(3–4):183–9
Oculomotor biofeedback therapy. Ciuffreda KJ, et al. **Int Rehabil Med** 1983;5(3):111–7 (49 ref.)
The power of visual training. Birnbaum MH. **J Am Optom Assoc** 1984 Apr;55(4):257–60
Single– and successive–site EMG training in responding to anticipated pain. Diaz CC, et al. **J Behav Med** 1984 Jun; 7(2):231–46
Feedback modality and dimension in voluntary skin temperature control. Janman K, et al. **J Behav Med** 1983 Sep;6(3):329–33
Does training to criterion influence improvement? A follow–up study of EMG and thermal biofeedback. Libo LM, et al. **J Behav Med** 1983 Dec;6(4):397–404
Behavioral relaxation training and assessment. Schilling DJ, et al. **J Behav Ther Exp Psychiatry** 1983 Jun;14(2):99–107
Predicting differential response to EMG biofeedback and relaxation training: the role of cognitive structure. Hart JD. **J Clin Psychol** 1984 Mar;40(2):453–7
In vivo distraction–coping in the treatment of test anxiety: a 1–year follow–up study. Himle DP, et al. **J Clin Psychol** 1984 Mar;40(2):458–62
Cognitive imagery and physiological feedback relaxation protocols applied to clinically tense young adults: a comparison of state, trait, and physiological effects. Schandler SL, et al. **J Clin Psychol** 1983 Sep;39(5):672–81
Biofeedback and relaxation training for chronic headache: a controlled comparison of booster treatments and regular contacts for long–term maintenance. Andrasik F, et al. **J Consult Clin Psychol** 1984 Aug;52(4):609–15
Specific and nonspecific effects in the biofeedback treatment of tension headache: 3–year follow–up. Andrasik F, et al. **J Consult Clin Psychol** 1983 Aug;51(4):634–6
Treatment of mandibular dysfunction: the clinical usefulness of biofeedback in relation to splint therapy. Dahlström L, et al. **J Oral Rehabil** 1984 May;11(3):277–84
Effects of biofeedback training on tonic masticatory neck reflex: a case report. Funakoshi M, et al. **J Oral Rehabil** 1984 May;11(3):273–5
Temperature biofeedback in the treatment of children with migraine headaches. Labbé EE, et al. **J Pediatr Psychol** 1983 Dec;8(4):317–26
Subvocal motor activity and contextual processing. Zecker SG, et al. **J Psycholinguist Res** 1984 May;13(3):177–93
Effectiveness of biofeedback for treating migraine and tension headaches: a review of the evidence. Holmes DS, et al. **J Psychosom Res** 1983;27(6):515–32 (67 ref.)
Psychophysiological assessment and biofeedback in vocational rehabilitation. Bodenhamer EM, et al. **J Rehabil** 1984 Jan–Mar;50(1):35–8
Reduction of hemifacial spasm and dysarthria following EMG biofeedback. Rubow RT, et al. **J Speech Hear Disord** 1984 Feb;49(1):26–33
Alcoholism, biofeedback and internal scanning. Tarbox AR. **J Stud Alcohol** 1983 Mar;44(2):246–61
Diagnostic and therapeutic technology assessment. Biofeedback. **JAMA** 1983 Nov 4;250(17):2381
Tools of behavioral medicine: applications of biofeedback treatment for children and adolescents [letter] Bhatara V. **JDBP** 1983 Sep;4(3):219
Treatment of hypertension in pregnancy by relaxation and biofeedback. Little BC, et al. **Lancet** 1984 Apr 21; 1(8382):865–7
Modifying neurogenic components of hypertension: relaxation and biofeedback therapy. Jacob RG. **Md State Med J** 1984 Mar;33(3):209–14
Anorectal sensorimotor dysfunction in fecal incontinence and diabetes mellitus. Modification with biofeedback therapy. Wald A, et al. **N Engl J Med** 1984 May 17;310(20):1282–7
Nonpharmacologic treatment of chronic headache: prediction of outcome. Blanchard EB, et al. **Neurology (NY)** 1983 Dec;33(12):1596–603
Adaptive regulation of the biopotentials of the brain (alpha–rhythm) in patients with neuroses. Artemchuk NL. **Neurosci Behav Physiol** 1984 Jul–Aug;14(4):272–6
The control of postoperative pain by EMG biofeedback in patients undergoing hysterectomy. Moon MH, et al. **NZ Med J** 1984 Sep 26;97(764):643–6
Efficacy of EMG biofeedback, pseudotherapy, and conventional medical treatment for chronic rheumatic back pain. Flor H, et al. **Pain** 1983 Sep;17(1):21–31
Electromyographic (EMG) feedback in chronic musculoskeletal pain: a controlled trial. Large RG, et al. **Pain** 1983 Oct;17(2):167–77
EMG biofeedback used to reduce standing levels of paraspinal muscle tension in chronic low back pain. Nouwen A. **Pain** 1983 Dec;17(4):353–60
A chronic emergency room visitor with chest pain: successful treatment by stress management training and biofeedback. Schwartz DP, et al. **Pain** 1984 Mar;18(3):315–9
Three recurring electromyographic biofeedback research problems and a laboratory model. Connally RE, et al. **Percept Mot Skills** 1983 Dec;57(3 Pt 2):1059–69
Perception of voluntary control of cardiac function in

distance runners and non-runners. House JD. **Percept Mot Skills** 1983 Aug;57(1):25-6

Methodological issue in cardiovascular feedback research. House JD. **Percept Mot Skills** 1983 Oct;57(2):478

MBERT: a basic program to alleviate experimenter effect in biofeedback research. Uliano KC, et al. **Percept Mot Skills** 1984 Feb;58(1):206

Cancer pain: evaluation of electromyographic and electrodermal feedback. Fotopoulos SS, et al. **Prog Clin Biol Res** 1983;132D:33-53

Mechanism of biofeedback in the treatment of chronic back pain: an hypothesis. Biedermann HJ. **Psychol Rep** 1983 Dec;53(3 Pt 2):1103-8

Trait/set interactions in EMG biofeedback. Drennen WT, et al. **Psychol Rep** 1984 Jun;54(3):843-9

Transfer of EMG training: another look at the general relaxation issue. Carlson JG, et al. **Psychophysiology** 1983 Sep;20(5):530-6

Discrimination of sensorimotor EEG (12-15 Hz) activity: a comparison of response, production, and no-feedback training conditions. Cinciripini PM. **Psychophysiology** 1984 Jan;21(1):54-62

Temporal arrangement of signals in heartbeat discrimination procedures. Clemens WJ. **Psychophysiology** 1984 Mar; 21(2):187-90

Self-control of digital temperature: physiological factors and transfer effects. Freedman RR, et al. **Psychophysiology** 1983 Nov;20(6):682-9

Biological rhythms in arousal indices: a potential confounding effect in EEG biofeedback. Gertz J, et al. **Psychophysiology** 1983 Nov;20(6):690-5

Comparison of the Brener-Jones and Whitehead procedures for assessing cardiac awareness. Jones GE, et al. **Psychophysiology** 1984 Mar;21(2):143-8

Cardiovascular feedback during dynamic exercise. Lo CR, et al. **Psychophysiology** 1984 Mar;21(2):199-206

The effects of fatigue and task repetition on the surface electromyographic signal. Mulder T, et al. **Psychophysiology** 1984 Sep;21(5):528-34

Placebo effects in biofeedback and self-perception of muscle tension. Pollard RQ Jr, et al. **Psychophysiology** 1984 Jan; 21(1):47-53

Awareness of heart activity and self-control of heart rate: a failure to replicate. Young LD, et al. **Psychophysiology** 1984 May;21(3):361-2

The self-control of the cardiovascular response to exercise using feedback of the product of interbeat interval and pulse transit time. Lo CR, et al. **Psychosom Med** 1984 Mar-Apr; 46(2):115-25

Internal-external control and headache response to biofeedback and psychotherapy. Abramowitz SI, et al. **Psychother Psychosom** 1984;41(2):57-63

[Biofeedback (controlled auto-relaxation) to complement perineal exercises in the medical treatment of urinary incontinence in women. Preliminary study] Wart F, et al. **Acta Urol Belg** 1984 Apr;52(2):261-8 (Eng. Abstr.) **(Fre)**

[Anal incontinence caused by perineal injury. Value of rehabilitation by instrumental learning (biofeedback) (letter)] Delaitre B, et al. **Gastroenterol Clin Biol** 1984 Apr; 8(4):388-9 **(Fre)**

[Myoelectrical operant conditioning in man] Laurenti-Lions L, et al. **J Physiol (Paris)** 1982-83;78(9):827-32 (Eng. Abstr.) **(Fre)**

['One need not be a fakir or guru.' Biofeedback as an interdisciplinary research technic] Vaitl D. **Fortschr Med** 1984 May 17;102(19):541-4 (Eng. Abstr.) **(Ger)**

[Biofeedback: basis and therapy] Larbig W. **Med Monatsschr Pharm** 1983 Nov;6(11):324-32 **(Ger)**

[Modification of heart rate in subjects with previous myocardial infarct by biofeedback] Palomba D, et al. **Boll Soc Ital Cardiol** 1983 Jan;28(1):63-71 (Eng. Abstr.) **(Ita)**

[Biofeedback] Ishikawa H. **Iyodenshi To Seitai Kogaku** 1982 Dec;20(7):602-3 **(Jpn)**

[Effects of evoking imagery on the control of peripheral skin temperature] Ohkuma Y. **Shinrigaku Kenkyu** 1983 Jun; 54(2):88-94 (Eng. Abstr.) **(Jpn)**

[Biofeedback] Lucaciu B, et al. **Rev Med Interna [Neurol Psihiatr]** 1984 Jan-Mar;29(1):1-12 (36 ref.) **(Rum)**

[Use of portable biotechnological feedback devices in a system of active rehabilitative therapy in patients with post-stroke movement disorders] Demidenko TD, et al. **Zh Nevropatol Psikhiatr** 1983;83(8):1121-6 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

The effects of propranolol and amitriptyline on vascular and EMG biofeedback training. Jay GW, et al. **Headache** 1984 Mar;24(2):59-69

INSTRUMENTATION

How to build simple inexpensive biofeedback systems. Suggestion from the field. Hallum A. **Phys Ther** 1984 Aug; 64(8):1235-9

[Treatment of fecal incontinence in adults. Results as a function of clinical and manometric data and the importance of rehabilitation by biofeedback] Denis P, et al. **Gastroenterol Clin Biol** 1983 Nov;7(11):857-63 (Eng. Abstr.) **(Fre)**

[Instrumental relaxation of the masticatory muscles with EMG biofeedback. A clinico-experimental study] Arduino A, et al. **Minerva Stomatol** 1984 Jan-Feb;33(1):49-57 (Eng. Abstr.) **(Ita)**

METHODS

Multimodal biofeedback in the treatment of migraine. Gamble EH, et al. **Biofeedback Self Regul** 1983 Sep; 8(3):383-92

Blood volume pulse biofeedback in the treatment of migraine headache: a controlled evaluation. Gauthier J, et al. **Biofeedback Self Regul** 1983 Sep;8(3):427-42

PHYSIOLOGY

Biofeedback of event-related potentials. Rosenfeld JP, et al. **Ann NY Acad Sci** 1984;425:653-66

Differential left hemisphere activation during the voluntary control of skin resistance level. Bruno RL, et al. **Biofeedback Self Regul** 1983 Sep;8(3):505-16

Single motor-unit control by normal and cerebral-palsied males. Robertson DW, et al. **Dev Med Child Neurol** 1984 Jun;26(3):323-7

Psychophysiological reactivity in migraine following biofeedback. Reading C. **Headache** 1984 Mar;24(2):70-4

Voluntary control of GSR amplitude. Avsarkisyan AN, et al. **Hum Physiol** 1983 Jul-Aug;9(4):256-9

Voluntary control of heart rate by external feedback in normal children and children with infantile cerebral palsy. Bogdanov OV, et al. **Hum Physiol** 1983 Sep-Oct; 9(5):319-22

Effect of electromyographic biofeedback therapy on occlusal contacts. Berry DC, et al. **J Prosthet Dent** 1984 Mar; 51(3):397-403

Self-regulated facial muscle tension effects on intraocular pressure. Silvia ES, et al. **Psychophysiology** 1984 Jan; 21(1):79-82

[Effect of myotherapy using procedures of adaptive biocontrol on the natural act of chewing in children] Vinogradov SI, et al. **Stomatologiia (Mosk)** 1984 Jul-Aug; 63(4):69-71 (Eng. Abstr.) **(Rus)**

BIOFLAVONOIDS

ADMINISTRATION & DOSAGE

[Treatment of chronic venous insufficiency with phlebotropic drugs] Montagnani A. **Clin Ter** 1984 Jan 31;108(2):91-8 (Eng. Abstr.) **(Ita)**

ANALYSIS

A rapid method for the determination of naringin, prunin, and naringenin applied to the assay of naringinase. Habelt K, et al. **Anal Biochem** 1983 Oct 15;134(2):393-7

High-performance liquid chromatography of flavonoids in Crataegus oxyacantha L. I. Reversed-phase high-pressure liquid chromatography. Ficarra P, et al. **Farmaco [Prat]** 1984 May;39(5):148-57

Pyrrolizidine alkaloids, flavonoids and volatile compounds in the genus Eupatorium. Eupatorium cannabinum L., an ancient drug with new perspectives. Hendriks H, et al. **Pharm Weekbl [Sci]** 1983 Dec 16;5(6):281-6 (35 ref.)

[Simultaneous assay of diosmin and diosmetin; application to biological milieux] Baylocq D, et al. **Ann Pharm Fr** 1983; 41(2):115-22 (Eng. Abstr.) **(Fre)**

ISOLATION & PURIFICATION

Flavonoids with anti-cataract activity from Brickellia arguta. Rosler KH, et al. **J Nat Prod** 1984 Mar-Apr;47(2):316-9

METABOLISM

Pharmacokinetics of coumarin, 7-hydroxycoumarin and 7-hydroxycoumarin glucuronide in the blood and brain of gerbils following intraperitoneal administration of coumarin. Ritschel WA, et al. **Arzneimittelforsch** 1983; 33(9):1254-8

PHARMACODYNAMICS

Action of vitamin P like compounds on lysosomal status in hypercholesterolemic rats. Rathi AB, et al. **Acta Vitaminol Enzymol** 1983;5(4):255-61

Flavonoids: potent inhibitors of arachidonate 5-lipoxygenase. Yoshimoto T, et al. **Biochem Biophys Res Commun** 1983 Oct 31;116(2):612-8

Flavonoid inhibition of the human neutrophil NADPH-oxidase. Tauber AI, et al. **Biochem Pharmacol** 1984 Apr 15;33(8):1367-9

Gossypin-induced analgesia in mice. Viswanathan S, et al. **Eur J Pharmacol** 1984 Feb 17;98(2):289-91

Effects of flavonoids and antioxidants on 12-O-tetradecanoyl-phorbol-13-acetate-caused epidermal ornithine decarboxylase induction and tumor promotion in relation to lipoxygenase inhibition by these compounds. Nakadate T, et al. **Gann** 1984 Mar;75(3):214-22

Comparison of the effects of quercetin with those of other flavonoids on the generation and effector function of cytotoxic T lymphocytes. Schwartz A, et al. **Immunopharmacology** 1984 Apr;7(2):115-26

Immunoenhancing effect of flavonoid compounds on lymphocyte proliferation and immunoglobulin synthesis. Brattig NW, et al. **Int J Immunopharmacol** 1984;6(3):205-15

Mast cells and the actions of flavonoids. Foreman JC. **J Allergy Clin Immunol** 1984 Jun;73(6):769-74

Mucosal mast cells. III. Effect of quercetin and other flavonoids on antigen-induced histamine secretion from rat intestinal mast cells. Pearce FL, et al. **J Allergy Clin Immunol** 1984 Jun;73(6):819-23

Antibacterial activity studies of flavonoids from Salvia palaestina. Miski M, et al. **J Nat Prod** 1983 Nov-Dec; 46(6):874-5

The effect of intravenous infusion of Tebonin (Ginkgo biloba) on pial arteries in cats. Iliff LD, et al. **J Neurosurg Sci** 1983 Oct-Dec;27(4):227-31

[Pharmacologic and cytomorphologic characteristics of a drug which stimulates the healing of traumatic and surgical wounds] Klouchek-Popova E, et al. **Khirurgiia (Sofiia)** 1984;37(1):17-20 **(Bul)**

[The amine-releasing activity of flavonoids in rats] Lecomte J. **C R Soc Biol (Paris)** 1983;177(3):388-91 (Eng. Abstr.) **(Fre)**

[Modification of venous function after pharmacologic treatment. Plethysmographic study] Pedrini L, et al. **Clin Ter** 1983 Aug 31;106(4):271-7 (Eng. Abstr.) **(Ita)**

THERAPEUTIC USE

Exercise-induced pulmonary hemorrhage in thoroughbred horses: response to furosemide or hesperidin-citrus bioflavinoids. Sweeney CR, et al. **J Am Vet Med Assoc** 1984 Jul 15;185(2):195-7

[Effects of cyaninoside chloride and Heleniene on mesopic and scotopic vision in myopia and night blindness] Solé P, et al. **J Fr Ophtalmol** 1984;7(1):35-9 (Eng. Abstr.) **(Fre)**

TOXICITY

In vivo exposure to plant flavonols. Influence on frequencies of micronuclei in mouse erythrocytes and sister-chromatid exchange in rabbit lymphocytes. MacGregor JT, et al. **Mutat Res** 1983 Dec;124(3-4):255-70

Time-course of mutagenicity due to flavonols in a pickled vegetable. Mizuta M, et al. **Mutat Res** 1983 Dec; 122(3-4):287-91

BIOGENESIS

Biogenesis of vaccinia: analysis by three-factor crosses reveals mutual influence on stability of drug resistance and temperature sensitivity when both markers occur in some recombinant virus isolates. Essani K, et al. **Intervirology** 1983;20(2-3):101-7

Stereoselective aminoacylation of a dinucleoside monophosphate by the imidazolides of DL-alanine and N-(tert-butoxycarbonyl)-DL-alanine. Profy AT, et al. **J Mol Evol** 1984;20(2):147-56

Nonenzymatic formation of 'energy-rich' lactoyl and glyceroyl thioesters from glyceraldehyde and a thiol. Weber AL. **J Mol Evol** 1984;20(2):157-66

The fundamental chemistry of life. An attempt to define and identify the basic reaction responsible for life's creation and evolution. Holt JA. **Med Hypotheses** 1983 Dec; 12(4):359-67

Origins of life: bounds to the amplification of biomolecular handedness [news] Mason S. **Nature** 1984 Aug 16-22; 310(5978):546-7

Prebiotic polypeptides and the origin of biological information. Dose K. **Naturwissenschaften** 1983 Aug; 70(8):378-82

Chemical evolution: the first stages. Schwartz AW. **Naturwissenschaften** 1983 Aug;70(8):373-7

7th International Conference on the Origin of Life. July 10-15, 1983, Mainz, F.R.G. **Orig Life** 1984;14(1-4):1-845

Metal ions as a factor of functional evolution and of development of some important biochemical properties in prebiotic and biological conditions. Bakardjieva N. **Orig Life** 1984;14(1-4):451-8

Possible mechanism for origin of chiral specificity during origins of life. Balasubramanian R. **Orig Life** 1983 Dec; 13(2):109-12

The problem of transition from the chemical to the biological evolution: some possible solutions. Bhargava PM, et al. **Orig Life** 1984;14(1-4):459-68

Future ESA missions in biology. Bonting SL. **Orig Life** 1984; 14(1-4):777-83

Dissident remarks on the origin of optical activity. An intrabiological explanation. Broda E. **Orig Life** 1984; 14(1-4):391-6

NASA's Exobiology Program. DeVincenzi DL. **Orig Life** 1984;14(1-4):793-9

The prebiotic chemistry of nucleotides. Ferris JP, et al. **Orig Life** 1984;14(1-4):99-106

Self-sequencing of amino acids and origins of polyfunctional protocells. Fox SW. **Orig Life** 1984;14(1-4):485-8

The Antarctic cryptoendolithic ecosystem: relevance to exobiology. Friedmann EI, et al. **Orig Life** 1984; 14(1-4):771-6

Project Cassini: a Saturn orbiter/Titan probe mission proposal. Gautier D, et al. **Orig Life** 1984;14(1-4):801-7

Formation of bioorganic compounds in aqueous solution induced by plasma. Harada K, et al. **Orig Life** 1984; 14(1-4):107-14

Formation of specific amino acid sequences during carbodiimide-mediated condensation of amino acids in

aqueous solution, and computer-simulated sequence generation. Hartmann J, et al. **Orig Life** 1984; 14(1–4):213–20

Formation of amino acids from CH4 -rich or CO2 -rich model atmosphere. Hattori Y, et al. **Orig Life** 1984; 14(1–4):145–50

On the memory of modern metabolism. Hidvégi M, et al. **Orig Life** 1984;14(1–4):539–46

Circularly polarized solar radio bursts associated with sunspot activities and their possible significance in the formation of chirally asymmetric biotic substances from a chirally symmetric prebiotic medium. Hokkyo N. **Orig Life** 1984;14(1–4):447–50

Some analogies between prebiotic thermal conversions of glycine and metabolic pathways. Ivanov CP, et al. **Orig Life** 1984;14(1–4):177–84

Spatial dissipative structures formed by spontaneous molecular aggregation at interfaces. Kagan M, et al. **Orig Life** 1984;14(1–4):365–73

Parity violation as a source of chirality in nature. Keszthelyi L. **Orig Life** 1984;14(1–4):375–82

Model approach of the breakthrough of a translation machine and the origin of the genetic code. Lehmann U, et al. **Orig Life** 1984;14(1–4):497–504

The evolution of prebiological self-organization: probable colloid-chemical evolution of first prokaryotic cells. Liebl V, et al. **Orig Life** 1984;14(1–4):323–34

Statistical fluctuation versus specific mechanism and the origin of the left-handed asymmetry of proteins. Mann AK, et al. **Orig Life** 1983 Dec;13(2):113–8

Is matter inanimate? Protobiological information from within. Matsuno K. **Orig Life** 1984;14(1–4):489–96

Carbon and energy yields in prebiotic syntheses using atmospheres containing CH4, CO and CO2. Miller SL, et al. **Orig Life** 1984;14(1–4):83–90

Aminoacyl-nucleotide reactions: studies related to the origin of the genetic code and protein synthesis. Mullins DW Jr, et al. **Orig Life** 1984;14(1–4):597–604

The radiolysis of aqueous ammonium cyanide: polymers of interest to chemical evolution studies. Niketic V. **Orig Life** 1984;14(1–4):251–8

Formation of bioorganic compounds in aqueous solution induced by flames. Nomoto S, et al. **Orig Life** 1984; 14(1–4):123–30

The prebiotic synthesis and catalytic role of imidazoles and other condensing agents. Oró J, et al. **Orig Life** 1984; 14(1–4):237–42

Life-related aspects of stellar evolution. Papagiannis MD. **Orig Life** 1984;14(1–4):43–50

Exobiology and the solar system: the Cassini mission to Titan. Raulin F, et al. **Orig Life** 1984;14(1–4):817–24

Prebiotic synthesis of amino acids from formaldehyde and hydroxylamine in a modified sea medium. Sakurai M, et al. **Orig Life** 1984;14(1–4):171–6

Evolution between chemistry and biology. Schuster P. **Orig Life** 1984;14(1–4):3–14

Recent progress in the prebiotic chemistry of HCN. Schwartz AW, et al. **Orig Life** 1984;14(1–4):91–8

European Retrievable Carrier EURECA. Seibert G. **Orig Life** 1984;14(1–4):785–92

The improbability of prebiotic nucleic acid synthesis. Shapiro R. **Orig Life** 1984;14(1–4):565–70

Origin of chirality: a structural theory. Shimizu M. **Orig Life** 1984;14(1–4):397–404

Chiral versus chemical evolutions and the appearance of life. Spach G. **Orig Life** 1984;14(1–4):433–7

Beta decay and the origin of biological chirality: new experimental results. Van House J, et al. **Orig Life** 1984; 14(1–4):413–20

Evolution of biocatalysis 2. Nicotinamide and/or flavin-containing RNA molecules as possible pre-genetic-code replicating oxido-reductases. Visser CM. **Orig Life** 1984;14(1–4):301–5

Evolution of biocatalysis 1. Possible pre-genetic-code RNA catalysts which are their own replicase. Visser CM. **Orig Life** 1984;14(1–4):291–300

Acyl silicates and acyl aluminates as activated intermediates in peptide formation on clays. White DH, et al. **Orig Life** 1984;14(1–4):273–8

Novel formation of alpha-amino acids from alpha-oxo acids and ammonia in an aqueous medium. Yanagawa H, et al. **Orig Life** 1984;14(1–4):163–9

A possible prebiotic peptide formation from glycinamide and related compounds. Yanagawa H, et al. **Orig Life** 1984; 14(1–4):267–72

A model for the origin of biological catalysis. Stein DL, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(6):1751–3

[Endorphins: structure, role and biogenesis] Chrétien M, et al. **Union Med Can** 1983 Dec;112(12):1140–54 (237 ref.) (Eng. Abstr.) **(Fre)**

BIOGENIC AMINES

Noncovalent complexes of diadenosine 5',5'''-P1,P4-tetraphosphate with divalent metal ions, biogenic amines, proteins and poly(dT). Holler E. **Biochem Biophys Res Commun** 1984 May 16;120(3):1037–43

[Biogenic amines in food: formation, occurrence, analysis and toxicological evaluation] Pfannhauser W, et al. **Z Gesamte Hyg** 1984 Feb;30(2):66–76 (123 ref.) (Eng. Abstr.) **(Ger)**

ADMINISTRATION & DOSAGE

Pulmonary vascular reactivity after repetitive exposure to selected biogenic amines. Cutaia M, et al. **J Appl Physiol** 1983 Dec;55(6):1868–76

ANALYSIS

An automated method for the determination of biogenic amines and their metabolites by high-performance liquid chromatography. Hunt WA, et al. **Anal Biochem** 1983 Dec; 135(2):269–74

On suppression of ejaculation by Alpha-methyldopa. Kimura Y, et al. **Andrologia** 1984 Mar-Apr;16(2):118–23

Femtogram detection limits for biogenic amines using microbore HPLC with electrochemical detection. Caliguri EJ, et al. **Brain Res** 1984 Mar 26;296(1):156–9

Alterations in CNS amine levels by acclimatization to hypobaric hypoxia. Hughes MJ, et al. **Brain Res Bull** 1983 Aug;11(2):255–8

Regional changes in monoamines and metabolites following defensive aggression in the rat. Kantak KM, et al. **Brain Res Bull** 1984 Mar;12(3):227–32

Biogenic amines in the brain of the honeybee, Apis mellifera. Mercer AR, et al. **Cell Tissue Res** 1983;234(3):655–77

Biogenic amines and DOPA in the central nervous system of decapod crustaceans. Laxmyr L. **Comp Biochem Physiol [C]** 1984;77(1):139–43

Maturation of monoamine neurotransmitters and receptors in cat occipital cortex during postnatal critical period. Jonsson G, et al. **Exp Brain Res** 1983;50(2–3):449–58

Ascaris lumbricoides and Ascaridia galli: biogenic amines in adults and developmental stages. Mishra SK, et al. **Exp Parasitol** 1984 Feb;57(1):34–9

Metabolism of D-phenylalanine and its effects on concentrations of brain monoamines and amino acids in rats—a basic study on possibility of clinical use of D-phenylalanine as an antidepressant. Hashimoto H, et al. **Folia Psychiatr Neurol Jpn** 1983;37(2):137–44

Monoamine-containing subependymal cells of the lamprey: evidence from combined fluorescence histochemistry and electron microscopy. Yamamoto T, et al. **Histochemistry** 1983;79(1):17–22

The effect of levamisole on the level of biogenic amines in Nippostrongylus brasiliensis. Agarwal A, et al. **Indian J Med Res** 1983 Nov;78:651–5

Quantification of a number of biogenic amines and their metabolites in brain homogenates by gas chromatography—mass spectrometry. Herranen J, et al. **J Chromatogr** 1984 May 11;307(2):241–9

Simultaneous measurement of tyrosine, tryptophan and related monoamines for determination of neurotransmitter turnover in discrete rat brain regions by liquid chromatography with electrochemical detection. Lasley SM, et al. **J Chromatogr** 1984 Jan 13;305(1):27–42

An integrated scheme for the simultaneous determination of biogenic amines, precursor amino acids, and related metabolites by liquid chromatography with electrochemical detection. Oka K, et al. **J Chromatogr** 1984 Jun 8;308:43–53

Determination of biogenic amines in meat by combined ion-exchange and capillary gas chromatography. Slemr J, et al. **J Chromatogr** 1984 Jan 20;283:241–50

Assay procedures for the determination of biogenic amines and their metabolites in rat hypothalamus using ion-pairing reversed-phase high-performance liquid chromatography. Taylor RB, et al. **J Chromatogr** 1983 Oct 14;277:101–14

Catecholamines and serotonin in the rat central nervous system after 6-OHDA, 5-7-DHT and p-CPA. Reader TA, et al. **J Neural Transm** 1984;59(3):207–27

An automated method to measure monoamines and metabolites using elevated temperature reversed phase HPLC with electrochemical detection. Application to striatal dopamine and hippocampal serotonin turnover. Diggory GL, et al. **J Pharmacol Methods** 1984 Jun; 11(3):207–17

Determination of monoamines in brain nuclei by high performance liquid chromatography with electrochemical detection: young vs. middle aged rats. Renner KJ, et al. **Life Sci** 1984 May 28;34(22):2193–9

Preventive effect of alcohol against stress-induced alteration in content of monoamines in brain and adrenal gland. Kuriyama K, et al. **Neuropharmacology** 1984 Jun; 23(6):649–54

The effect of ischemia on biogenic amine concentrations in the central nervous system. Zivin JA, et al. **Stroke** 1983 Jul-Aug;14(4):556–62

[Level of biogenic monoamines in the brains of rats after subchronic flooding with salts of several heavy metals] Kadiiska M, et al. **Eksp Med Morfol** 1983;22(4):20–3 (Eng. Abstr.) **(Bul)**

[Changes in biogenic amine contents during hypobaric hypoxia] Yan YZ. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1983 Aug;6(4):216–7 (Eng. Abstr.) **(Chi)**

[High performance liquid chromatography-electrochemical detection (LC-EC) and its clinical use, with special reference to the detection of biogenic amines] Niwa M, et al. **Nippon Rinsho** 1984 Jan;42(1):196–216 (121 ref.) **(Jpn)**

[Effect of ketogenic diet on the convulsive threshold and brain amino acid and monoamine levels in young mice] Otani K, et al. **No To Hattatsu** 1984;16(3):196–204 (Eng. Abstr.) **(Jpn)**

[Biogenic amine and total protein content of the saliva and its release in caries of various degrees] Mikhailov VV, et al. **Stomatologiia (Mosk)** 1984 Jan-Feb;63(1):18–21 **(Rus)**

[Features of cerebral-somatic and metabolic shifts in older patients with depressive states] Sinitskiĭ VN, et al. **Zh Nevropatol Psikhiatr** 1984;84(4):551–9 (Eng. Abstr.) **(Rus)**

[Effect of cholecystokinin octapeptide on brain monoamine levels during feeding and drinking motivational excitation] Timofeeva LV, et al. **Zh Vyssh Nerv Deiat** 1983 Sep-Oct; 33(5):936–40 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Effects of cholinergic and monoaminergic antagonists and tranquilizers upon spatial memory in rats. Hiraga Y, et al. **Pharmacol Biochem Behav** 1984 Feb;20(2):205–7

BIOSYNTHESIS

Treatment of depression by altering monoamine metabolism: precursors and metabolic inhibitors. Baldessarini RJ. **Psychopharmacol Bull** 1984 Spring;20(2):224–39

BLOOD

Effect of nomifensine on cortisol, prolactin and biogenic amines in neurotic depressed patients. Rettori V, et al. **Neuropsychobiology** 1983;10(4):209–12

Effect of formamidines on 5-hydroxytryptamine uptake and biogenic amine levels in rat platelets. Knowles CO, et al. **Toxicology** 1984 May 14;31(2):91–8

CEREBROSPINAL FLUID

CSF monoamine metabolites, depression, and suicide. Asberg M, et al. **Adv Biochem Psychopharmacol** 1984;39:87–97 (37 ref.)

Genetic studies of CSF monoamine metabolites. Sedvall G, et al. **Adv Biochem Psychopharmacol** 1984;39:79–85 (12 ref.)

Bilateral skin conductance activity, clinical symptoms and CSF monoamine metabolite levels in unmedicated schizophrenics, differing in rate of habituation. Bartfai A, et al. **Biol Psychol** 1984 May;18(3):201–18

CSF monoamine metabolism in patients with tardive dyskinesia: effect of oxypertine and hydroxyzine pamoate. Akiyama K, et al. **Folia Psychiatr Neurol Jpn** 1983; 37(2):129–35

Phenylethylamine and monoamine metabolites in CSF of schizophrenics: effects of neuroleptic treatment. Beckmann H, et al. **J Neural Transm** 1983;57(1–2):103–10

Cerebrospinal fluid measurements suggest precursor availability and sex are involved in the control of biogenic amine metabolism in a primate. Young SN, et al. **J Neurochem** 1984 Jun;42(6):1570–3

On the significance of monoamines and their metabolites in the cerebrospinal fluid of the sheep. Ruckebusch M, et al. **J Physiol (Lond)** 1984 Mar;348:457–69

S-adenosylmethionine influences monoamine metabolism [letter] Bottiglieri T, et al. **Lancet** 1984 Jul 28;2(8396):224

Spinal fluid monoamine metabolites and anti-cytomegalovirus antibodies and brain scan evaluation in schizophrenia. van Kammen DP, et al. **Psychopharmacol Bull** 1984 Summer;20(3):519–22

[Neurochemical investigation on spinocerebellar degeneration—metabolites of biogenic amines in the cerebrospinal fluids] Arai M, et al. **Rinsho Shinkeigaku** 1983 Jun;23(6):501–8 (Eng. Abstr.) **(Jpn)**

METABOLISM

Lipid peroxidation in mitochondrial membranes induced by enzymatic deamination of biogenic amines. Kagan VE, et al. **Acta Physiol Pharmacol Bulg** 1983;9(4):3–13

Cation exchange—a common mechanism in the storage and release of biogenic amines stored in granules (vesicles)? I. Comparative studies on the uptake of sodium and biogenic amines by the weak cation (carboxyl) exchangers Amberlite IRC-50 and Sephadex C-50 and by biogenic (granule-enriched) materials in vitro. Uvnäs B, et al. **Acta Physiol Scand** 1983 Nov;119(3):225–34

Neuroendocrine aspects of the relief of melancholia by induced seizures (electroconvulsive treatment). Fink M. **Adv Biochem Psychopharmacol** 1984;39:345–57

In search of the mode of action of antidepressants: 5-HTP/tyrosine mixtures in depression. van Praag HM. **Adv Biochem Psychopharmacol** 1984;39:301–14

Effects of hypoxia-ischemia on monoamine metabolism in the immature brain. Silverstein F, et al. **Ann Neurol** 1984 Apr;15(4):342–7

Acute and chronic effects of caffeine on brain monoamine levels and endocrine function in the rat. Schlosberg AJ. **Arch Int Pharmacodyn Ther** 1984 Jan;267(1):149–60

Inhibition of aromatic amino acid decarboxylase and depletion of biogenic amines in brain of rats treated with alpha-monofluoromethyl p-tyrosine: similitudes and differences with the effects of alpha-monofluoromethyldopa. Jung MJ, et al. **Biochem Pharmacol** 1984 Jan 15;33(2):327–30

Characterization of the monoamine uptake system in catecholamine storage vesicles isolated from a pheochromocytoma taken from a child. Roisin MP, et al. **Biochem Pharmacol** 1984 Jul 15;33(14):2245–52

Nycthemeral variation in brain monoamines of Syrian

hamsters: relation to activity and energy homeostasis. Rowland N. **Brain Res** 1984 Jan 9;290(2):353–6

Chronoamperometry in brain slices: quantitative evaluations of in vivo electrochemistry. Schenk JO, et al. **Brain Res** 1983 Oct 24;277(1):1–8

Effect of brain monoamine precursors on stress-induced behavioral and neurochemical changes in aged mice. Thurmond JB, et al. **Brain Res** 1984 Mar 26;296(1):93–102

Extrapyramidal disorders: a possible underlying mechanism. Messiha FS. **Brain Res Bull** 1983 Aug;11(2):233–41

The effect of alcoholism on salsolinol and biogenic amines in human brain. Sjöquist B, et al. **Drug Alcohol Depend** 1983 Aug;12(1):15–23

Effects of drug-induced changes in brain monoamines on aggression and motor behavior in mice. Kramarcy NR, et al. **Eur J Pharmacol** 1984 Mar 23;99(2–3):141–51

Reversible inhibition of neuronal uptake by benextramine, an irreversible presynaptic alpha-adrenoceptor antagonist. Lew MJ, et al. **Eur J Pharmacol** 1984 Feb 10;98(1):27–34

Inhibition of in vitro amine uptake into rat brain synaptosomes after in vivo administration of antidepressants. Manias B, et al. **Eur J Pharmacol** 1983 Nov 25;95(3–4):305–9

Mechanism of analgesic action of mesaconitine. I. Relationship between analgesic effect and central monoamines or opiate receptors. Murayama M, et al. **Eur J Pharmacol** 1984 May 18;101(1–2):29–36

Influence of formamidines on biogenic amine levels in rat brain and plasma. Johnson TL, et al. **Gen Pharmacol** 1983; 14(6):591–6

The effect of long-term ethanol maternal ingestion and withdrawal on brain regional monoamine and amino acid precursors in 15-day-old rats. Mena MA, et al. **Gen Pharmacol** 1984;15(2):151–4

Effect of biogenic amines reuptake inhibition on ethanol induced hypothermia. Soliman KF, et al. **Gen Pharmacol** 1983;14(4):461–3

The effect of chronic exposure to 100 ppm carbon monoxide on brain biomines, serum corticosterone and organ weights in rats. Vyskočil A, et al. **J Appl Toxicol** 1983 Dec; 3(6):307–9

High-performance liquid chromatography with column switching for the analysis of biogenic amine metabolites and pterins. Niederwieser A, et al. **J Chromatogr** 1984 May 4;290:237–46

Embryonic development of monoaminergic neurons in the chick retina. Kato S, et al. **J Comp Neurol** 1984 Apr 10; 224(3):437–44

Changes of biogenic amines and their metabolites in postmortem brains from patients with Alzheimer-type dementia. Arai H, et al. **J Neurochem** 1984 Aug; 43(2):388–93

Mass fragmentographic analysis of monoamine metabolites in the spinal cord of rat after the administration of morphine. Commissiong JW. **J Neurochem** 1983 Nov; 41(5):1313–8

A method for measuring monoamine turnover in animals using an irreversible inhibitor of aromatic L-amino acid decarboxylase, DL-alpha-mono fluoromethyldopa. Palfreyman MG, et al. **J Pharmacol Methods** 1984 Jul; 11(4):239–51

Effects of 4-(o-benzylphenoxy)-N-methylbutylamine hydrochloride (MCI-2016) on survival time and brain monoamine levels in bilaterally carotid-artery-ligated gerbils. Egawa M, et al. **Jpn J Pharmacol** 1984 Mar; 34(3):363–5

The effect of ascorbic acid on plasma sulfate conjugated catecholamines after eating bananas. Dunne JW, et al. **Life Sci** 1983 Oct 10;33(15):1511–7

Effects of CGP 11305 A, a new reversible and selective inhibitor of MAO A, on biogenic amine levels and metabolism in the rat brain. Waldmeier PC, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1983 Sep; 324(1):20–6

Neurotoxicity of deoxycoformycin: effect of constant infusion on adenosine deaminase, adenosine, 2'-deoxyadenosine and monoamines in the mouse brain. Helland S, et al. **Neuropharmacology** 1983 Jul;22(7):915–7

An analysis of the distributing pattern and tissue concentration of the biogenic amines in the well demarcated brain tumors and contrast enhancement by CT scan. HPLC and clinical application (V). Ikeda Y, et al. **Nippon Ika Daigaku Zasshi** 1984 Feb;51(1):132–3

P-chloroamphetamine and a side-chain fluorinated analog: effects on brain amine levels and behavior. Beck CH, et al. **Pharmacol Biochem Behav** 1984 Feb;20(2):215–20

Early cannabinoid exposure influences neuroendocrine and reproductive functions in male mice: I. Prenatal exposure. Dalterio S, et al. **Pharmacol Biochem Behav** 1984 Jan; 20(1):107–13

Early cannabinoid exposure influences neuroendocrine and reproductive functions in mice: II. Postnatal effects. Dalterio S, et al. **Pharmacol Biochem Behav** 1984 Jan; 20(1):115–23

The effect of opiate treatment on the postdecapitation reflex and monoamine metabolism in the rat spinal cord. Plaznik A, et al. **Pharmacol Biochem Behav** 1983 Sep;19(3):427–9

Chlordiazepoxide, go–nogo successive discrimination and brain biogenic amines in cats. Vachon L, et al. **Pharmacol Biochem Behav** 1984 Jan;20(1):9–22

Pharmacological properties of new cyclic derivatives of phenylsuccinimide and their influence on noradrenaline, dopamine, serotonin, 5-hydroxyindoleacetic acid, gamma-aminobutyric acid concentrations and monoaminooxidase activity in animal brains. Chmielewska B. **Pharmazie** 1984 Apr;39(4):259–62

Effects of electroconvulsive shock on monoaminergic systems in the rat brain. Thesis. Wielosz M. **Pol J Pharmacol Pharm** 1983;35(2):127–30

Action of certain pharmacological associations on the level of cerebral biogenic amines and some metabolites in the curative treatment of hemorrhagic shock in rats. Laborit H, et al. **Res Commun Chem Pathol Pharmacol** 1984 Mar; 43(3):435–47

Chemiosmotic coupling and its application to the accumulation of biological amines in secretory granules. Johnson RG, et al. **Soc Gen Physiol Ser** 1984;38:71–91

Alteration in biogenic amine levels in the snail Lymnaea acuminata by the latex of Euphorbia royleana. Singh DK, et al. **Toxicol Lett** 1984 Jun;21(3):309–14

Effects of toluene inhalation on brain biogenic amines in the rat. Rea TM, et al. **Toxicology** 1984 May 14;31(2):143–50

[Depletion of monoamines in the rat by DL-tetrahydropalmatine] Liu GQ, et al. **Yao Hsueh Hsueh Pao** 1983 Sep;18(9):641–7 (Eng. Abstr.) **(Chi)**

[Accumulation of exogenous monoamines in the notochord of lampreys: fluorescence microscopy and radiography study] Meiniel R. **C R Soc Biol (Paris)** 1983;177(3):296–303 (Eng. Abstr.) **(Fre)**

[Monoamine and monoamine enzyme abnormalities in childhood autism] Garnier C, et al. **Encephale** 1983; 9(3):201–62 (168 ref.) (Eng. Abstr.) **(Fre)**

[Cerebral ischemia and changes in the brain monoamines] Kogure K. **No To Shinkei** 1983 Jan;35(1):33–9 **(Jpn)**

[Effects of REM deprivation on the monoamine metabolism in various regions of the rat brain] Semba J. **Seishin Shinkeigaku Zasshi** 1983;85(6):349–60 (Eng. Abstr.) **(Jpn)**

[Psychopharmacological study of enkephalins, with special reference to the relation between behavioral profiles and brain monoamines] Kameyama T, et al. **Yakubutsu Seishin Kodo** 1981 Oct;1(1):21–8 (Eng. Abstr.) **(Jpn)**

[Changes in the biogenic amine level in the tissues of rats with subacute pirimor poisoning] Biel-Zielińska A, et al. **Przegl Lek** 1983;40(6):485–7 (Eng. Abstr.) **(Pol)**

[Effect of prolonged hypokinesia on the biogenic amine content of rat brain synaptosomes] Panusheva NN. **Biull Eksp Biol Med** 1983 Dec;96(12):12–4 (Eng. Abstr.) **(Rus)**

[Effect of pesticides with anticholinesterase action on the biogenic amine content of the brain] Kuz'minskaia UA, et al. **Gig Sanit** 1984 May;(5):80–1 **(Rus)**

[Steroidal hormones, biogenic amines in arteriosclerosis and pulmonary hypertension in patients with chronic nonspecific pulmonary disease] Pribylova NN. **Kardiologiia** 1983 Jul;23(7):76–9 (Eng. Abstr.) **(Rus)**

[Electron microscopic study of the monoaminergic terminals in the caudate nucleus of the rat brain] Zhuravleva ZN, et al. **Tsitologiia** 1983 Oct;25(10):1132–6 (Eng. Abstr.) **(Rus)**

[Brain monoamine oxidase in craniocerebral trauma] Akopian AS, et al. **Vopr Med Khim** 1984 Jan–Feb;30(1):75–7 (Eng. Abstr.) **(Rus)**

[Peroxidation of lipids in mitochondrial membranes, induced by enzymatic deamination of biogenic amines] Kagan VE, et al. **Vopr Med Khim** 1984 Jan–Feb;30(1):112–8 (Eng. Abstr.) **(Rus)**

[Biogenic amine metabolism in patients with oligophrenia of different origins] Bulakhova LA, et al. **Zh Nevropatol Psikhiatr** 1983;83(10):1563–7 (Eng. Abstr.) **(Rus)**

[Role of the age factor in the pathogenesis of manic-depressive psychosis] Sinitskiĭ VN, et al. **Zh Nevropatol Psikhiatr** 1983;83(9):1351–8 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Significance of biogenic amines for opioid-induced locomotor activity in rats. Fuchs V, et al. **Drug Alcohol Depend** 1983 Nov;12(3):233–42

Effects of chronic hypoxia on pulmonary vascular responses to biogenic amines. Porcelli RJ, et al. **J Appl Physiol** 1983 Aug;55(2):534–40

Effect of amino acids and monoamines on the neuronal activity of suprachiasmatic nucleus in hypothalamic slice preparations. Shibata S, et al. **Jpn J Pharmacol** 1983 Dec; 33(6):1225–31

The chemistry and biology of ring-fluorinated biogenic amines. Kirk KL, et al. **Med Res Rev** 1984 Apr–Jun; 4(2):189–220 (58 ref.)

Feeding, drinking and body temperature of Leghorn chicks: effects of ICV injections of biogenic amines. Denbow DM, et al. **Physiol Behav** 1983 Jul;31(1):85–90

Reaction of blood pressure and mesenteric blood flow to an infusion of biogenic amines in rats: influence of irradiation and alpha blockers. Timmermans R. **Strahlentherapie** 1984 Aug;160(8):513–20

PHYSIOLOGY

Immediate increase of thyroid hormone release during acute stress in rats: effect of biogenic amines rather than that of TSH? Langer P, et al. **Acta Endocrinol (Copenh)** 1983 Dec;104(4):443–9

Morphologic and cytochemical characteristics of amine-containing globule leukocytes in rat tracheal epithelium. Pearsall AD, et al. **Am J Anat** 1984 May; 170(1):83–99

X-ray microanalysis of monoaminergic terminals in the nucleus tegmentalis dorsalis of the chicken. Chikazawa H, et al. **Anat Embryol (Berl)** 1984;170(1):87–91

Possible interrelationship between the biogenic amines involved in the modulation of footshock aggression in rats. Ray A, et al. **Arch Int Pharmacodyn Ther** 1983 Sep; 265(1):36–41

Mediator mechanisms of cathinone effects on animal behaviour. Babayan EA, et al. **Drug Alcohol Depend** 1983 Aug;12(1):31–5

Psychotherapeutic drugs and biogenic amines. Current concepts and therapeutic implications. Potter WZ. **Drugs** 1984 Aug;28(2):127–43 (132 ref.)

Monoamine involvement in the overeating caused by muscimol injection in the rat nucleus raphe dorsalis and the effects of d-fenfluramine and d-amphetamine. Borsini F, et al. **Eur J Pharmacol** 1983 Oct 14;94(1–2):109–15

Possible role played by monoamines in the control of puberty onset in female rats. Tönjes R, et al. **Exp Clin Endocrinol** 1984 Mar;83(1):1–5

Catecholamines and indoleamines in retina. Introduction. Iuvone PM. **Fed Proc** 1984 Sep;43(12):2697–8

Postnatal development of aminergic projections to frontal cortex: effects of cortical lesions. Beaulieu M, et al. **J Neurosci Res** 1983;10(4):351–61

Cholinergic and monoaminergic substrates of startle habituation. Hughes RN. **Life Sci** 1984 May 28; 34(22):2101–5

Pheochromocytoma: a clinical study of the role of amines in the development of endocrine dysfunction. Baggott BB. **Mt Sinai J Med (NY)** 1983 May–Jun;50(3):270–7

Effects of acrylamide on locomotion and central monoamine function in the rat. Rafales LS, et al. **Pharmacol Biochem Behav** 1983 Oct;19(4):635–44

Chronic antidepressant therapy and associated changes in central monoaminergic receptor functioning. Sugrue MF. **Pharmacol Ther** 1983;21(1):1–33 (282 ref.)

[Brain amines—a neuro-endocrinological view] Kawata M, et al. **Rinsho Byori** 1984 Jan;Spec No 58:1–19 (83 ref.) **(Jpn)**

[Biochemistry of biogenic amines—recent advances] Nagatsu T. **Yakubutsu Seishin Kodo** 1983 May;3(1):1–9 (21 ref.) **(Jpn)**

[Biogenic monoamines and convulsion potential of the brain] Vediaev FP, et al. **Usp Fiziol Nauk** 1984 Jan–Mar; 15(1):55–75 (182 ref.) **(Rus)**

[Inhibition of gamma-amylase of the rabbit liver by biogenic amines and products of their oxidative deamination] Popova IA, et al. **Vopr Med Khim** 1983 Nov–Dec; 29(6):120–3 (Eng. Abstr.) **(Rus)**

SECRETION

Cation exchange—a common mechanism in the storage and release of biogenic amines stored in granules (vesicles)? II. Comparative studies on sodium-induced release of biogenic amines from the synthetic weak cation-exchangers Amberlite IRC-50 and duolite CS-100 and from biogenic (granule-enriched) materials. Uvnäs B, et al. **Acta Physiol Scand** 1984 Jan;120(1):87–97

Cation exchange—a common mechanism in the storage and release of biogenic amines stored in granules (vesicles)? III. A possible role of sodium ions in non-exocytotic fractional release of neurotransmitters. Uvnäs B, et al. **Acta Physiol Scand** 1984 Jan;120(1):99–107 (48 ref.)

URINE

A study of urinary excretion of biogenic amine metabolites in epilepsy. Baliga L, et al. **Acta Neurol Scand** 1983 Dec; 68(6):413–6

BIOHAZARDS CONTAINMENT see CONTAINMENT OF BIOHAZARDS

BIOLOGICAL ASSAY

Simple screening method for isolation of penicillin acylase-producing bacteria. Meevootisom V, et al. **Appl Environ Microbiol** 1983 Nov;46(5):1227–9

Adventures and excursions in bioassay: the stepping stones to prostacyclin. Nobel Lecture, 8 December 1982. Vane JR. **Biosci Rep** 1983 Aug;3(8):683–711 (164 ref.)

Measurement of eicosanoids by bioassay and radioimmunoassay. Salmon JA. **Br Med Bull** 1983 Jul; 39(3):227–31 (33 ref.)

The redundancy of mouse carcinogenicity bioassays. Schach von Wittenau M, et al. **Fundam Appl Toxicol** 1983 Nov–Dec;3(6):631–9

Biological activity of glycosides of vitamin D3 and 1 alpha-hydroxyvitamin D3. Rambeck WA, et al. **Int J Vitam Nutr Res** 1984;54(1):25–34

Functionality of thyroid-stimulating antibodies assessed by cryopreserved human thyroid cell bioassay. Davies TF, et al. **J Clin Endocrinol Metab** 1983 Nov;57(5):1021–7

Mode of secretion of bioactive luteinizing hormone in man. Dufau ML, et al. **J Clin Endocrinol Metab** 1983 Nov;

57(5):993–1000
Correlation of Nb2 bioassay and radioimmunoassay values for human serum prolactin. Rowe RC, et al. **J Clin Endocrinol Metab** 1983 Nov;57(5):942–6
A luteinizing hormone–releasing hormone agonist decreases biological activity and modifies chromatographic behavior of luteinizing hormone in man. Evans RM, et al. **J Clin Invest** 1984 Jan;73(1):262–6
A new protein quality evaluation index based on growth responses of rats. Mercer LP, et al. **J Nutr** 1984 May; 114(5):911–9
Mycotoxin detection using a Muscovy duckling bioassay [letter] Shlosberg A, et al. **Vet Rec** 1984 Apr 14;114(15):387
[Nomograph for bio–potency assay] Zhang M. **Yao Hsueh Hsueh Pao** 1983 Apr;18(4):317–20 (Eng. Abstr.) **(Chi)**

METHODS

The biological assay of human somatomedin A: improvement by small molecular weight natural molecules. Healin MH, et al. **Acta Endocrinol (Copenh)** 1984 May;106(1):43–51
Biological aspects of the subrenal capsule assay of importance in the screening of cytostatic agents. Edelstein MB, et al. **Behring Inst Mitt** 1984 May;(74):285–90
Terrestriality in the cyprinodontid fish Rivulus marmoratus: potential utility in H2S and other bioassays. Abel DC. **Bull Environ Contam Toxicol** 1984 Jul;33(1):33–9
Sediment bioassays with oyster larvae. Chapman PM, et al. **Bull Environ Contam Toxicol** 1983 Oct;31(4):438–44
A rapid–cell culture assay of water quality. VanDoren SR, et al. **Bull Environ Contam Toxicol** 1984 Feb;32(2):220–6
A cytochemical section bioassay for plasma trilostane: an orally active inhibitor of 3 beta–hydroxysteroid dehydrogenase activity. Earnshaw RJ, et al. **Clin Endocrinol (Oxf)** 1984 Jul;21(1):13–21
Preliminary experiences with a bioassay for adrenocorticotrophin (ACTH) in unextracted human plasma using dispersed guinea–pig adrenal cells. Lambert A, et al. **Clin Endocrinol (Oxf)** 1984 Jul;21(1):33–41
Comparative approach to evaluating relative cancer risks from energy sources using short–term genetic bioassays. Lewtas J. **Dev Toxicol Environ Sci** 1983;11:23–34
Melanotropin bioassays: in vitro and in vivo comparisons. Castrucci AM, et al. **Gen Comp Endocrinol** 1984 Jul; 55(1):104–11
Bioassay for salmon prolactin using hypophysectomized Fundulus heteroclitus. Grau EG, et al. **Gen Comp Endocrinol** 1984 Jan;53(1):78–85
Techniques for yellowcake dissolution studies in vitro and their use in bioassay interpretation. Eidson AF, et al. **Health Phys** 1984 Jan;46(1):151–63
Chemiluminescence: applications for the clinical laboratory. Boeckx RL. **Hum Pathol** 1984 Feb;15(2):104–11 (136 ref.)
Bioassay of hormones. Klee GG. **Hum Pathol** 1984 Feb; 15(2):117–21 (28 ref.)
Specificity of cultured insect tissue cells for bioassay of entomocidal protein from Bacillus thuringiensis. Johnson DE, et al. **In Vitro** 1984 Jan;20(1):66–70
Urine catecholamines in pheochromocytoma by rat blood pressure bioassay. Sivam SP, et al. **Indian J Med Res** 1983 Jun;77:879–85
Factors affecting the biological assay of tetanus antitoxin. Gupta RK, et al. **Indian J Pathol Microbiol** 1983 Jan; 26(1):55–8
A new rapid and sensitive bioluminescence assay for antibiotics that inhibit protein synthesis. Naveh A, et al. **J Appl Bacteriol** 1984 Jun;56(3):457–63
A microbiological assay for the measurement of methotrexate in biological fluids. Icke GC, et al. **J Clin Pathol** 1983 Oct; 36(10):1116–9
Evaluation of the rat thyroid cell strain FRTL–5 as an in–vitro bioassay system for thyrotrophin. Bidey SP, et al. **J Endocrinol** 1984 Jun;101(3):269–76
Ethnography and bioassay: combined methods for a preliminary screen of home remedies for potential pharmacological activity. Trotter RT 2d, et al. **J Ethnopharmacol** 1983 Jul;8(1):113–9
An effect of parathyroid hormone on the epiphyseal plate and osteoblasts: studies towards a cytochemical bioassay. Dunham J, et al. **J Immunoassay** 1983;4(4):329–38
A simple, sensitive, and specific assay for the heat–stable enterotoxin of Escherichia coli. Waldman SA, et al. **J Infect Dis** 1984 Jan;149(1):83–9
Bertha armyworm (Mamestra configurata), a sensitive bioassay organism for mycotoxin research. Moore KC, et al. **J Invertebr Pathol** 1983 Nov;42(3):413–4
Radiometric–microbiologic assay of niacin using Kloeckera brevis: analysis of human blood and food. Guilarte TR, et al. **J Nutr** 1983 Dec;113(12):2587–94
Optimal design of the chronic animal bioassay. Portier C, et al. **J Toxicol Environ Health** 1983 Jul;12(1):1–19
A simple method for determining gentamicin blood levels. Mates A, et al. **Microbios** 1983;37(149–150):161–75
A new in vitro melanophore bioassay for MSH using tail–fins of Xenopus tadpoles. de Graan PN, et al. **Mol Cell Endocrinol** 1983 Oct;32(2–3):271–84
Nobel lecture. Adventures and excursions in bioassay—the stepping stones to prostacyclin. Vane JR. **Postgrad Med J** 1983 Dec;59(698):743–58 (164 ref.)
The combined use of isolated strips of guinea–pig lung parenchyma and ileum as a sensitive and selective bioassay for leukotriene B4. Samhoun MN, et al. **Prostaglandins** 1984 May;27(5):711–24
The power and interpretation of the carcinogenicity bioassay. Clayson DB, et al. **Regul Toxicol Pharmacol** 1983 Dec; 3(4):329–48
Gene–Tox Program report—mammalian in vivo and in vitro cytogenetic assays: a critical evaluation. Holden HE, et al. **Regul Toxicol Pharmacol** 1983 Dec;3(4):399–403
Rapid localization of parathyroid tumors by selective venous catheterization and parathyroid hormone bioassay. Hsu FS, et al. **Surgery** 1983 Dec;94(6):873–6
The comparative toxic effects of proprietary antidandruff, adult and baby shampoos on rabbit ileum. Muir CK. **Toxicol Lett** 1983 Sep;18(3):227–30
[Microbiological assay of pantothenic acid in rat liver using Tetrahymena] Lhuissier M. **Int J Vitam Nutr Res** 1983; 53(4):394–7 (Eng. Abstr.) **(Fre)**
[Determination of the gonadotropin content of preparations of pregnant mare's serum (PMSG). 2. Action equivalence of PMSG in bioassays for follicle–stimulating hormone (FSH) and luteinizing hormone (LH) or human chorionic gonadotropins (HCG), critical evaluation of methods] Bergfeld J, et al. **Arch Exp Veterinarmed** 1983 Sep; 37(5):767–75 (24 ref.) (Eng. Abstr.) **(Ger)**
[Biological assay of negative inotropic agents contained in the plasma using the excitation–contraction coupling mechanism] Utsunomiya T, et al. **Kokyu To Junkan** 1983 Jun;31(6):679–83 (Eng. Abstr.) **(Jpn)**
[Preparation of bioindicators for controlling the efficacy of sterilization processes] Kalinina NM, et al. **Antibiotiki** 1983 Aug;28(8):600–5 (Eng. Abstr.) **(Rus)**
[Microbiological method of determining cyanocobalamin in tissues and finished drugs made from animal raw materials] Krylov IuF, et al. **Farmakol Toksikol** 1983 Nov–Dec; 46(6):83–8 (Eng. Abstr.) **(Rus)**
[Biological method of determining acetylcholine] Vinnitskaia KB, et al. **Lab Delo** 1984;(2):115–8 (Eng. Abstr.) **(Rus)**

BIOLOGICAL AVAILABILITY

Influence of pharmacokinetic diurnal variation on bioavailability estimates. Bauer LA, et al. **Clin Pharmacokinet** 1984 Mar–Apr;9(2):184–7
Bioavailability of drugs with long elimination half–lives. Urso R, et al. **Eur J Clin Pharmacol** 1983;25(5):689–93
Analysis of variance and Westlake's test of bioavailability data using a programmable minicalculator. Gouyette A. **Int J Biomed Comput** 1984 May–Jun;15(3):175–81
A new statistical procedure for testing equivalence in two–group comparative bioavailability trials. Hauck WW, et al. **J Pharmacokinet Biopharm** 1984 Feb;12(1):83–91
Is monitoring of drug in saliva reliable for bioavailability testing of a protein–bound drug? A theoretical approach. Macheras P, et al. **Pharm Acta Helv** 1984;59(2):34–6
The bioequivalence factor. Macheras P, et al. **Pharm Acta Helv** 1983;58(8):233–6
Drug delivery systems. Davis SS, et al. **Practitioner** 1983 Oct;227(1384):1537–43
[Biopharmacy – is it up to the clinicians?] Bundgaard H. **Ugeskr Laeger** 1984 Mar 5;146(10):752–4 **(Dan)**
[Studies of bioequivalence. Decision–making] Fredj G. **Therapie** 1983 Mar–Apr;38(2):207–12 (Eng. Abstr.) **(Fre)**
[Bioavailability of drugs—concepts and problems] Bekemeier H, et al. **Pharmazie** 1984 Jan;39(1):59–62 (Eng. Abstr.) **(Ger)**
[Biopharmaceutics, biodisposibility, bioequivalency] Cingolani E. **Ann Ist Super Sanita** 1982;18(3):531–2 **(Ita)**

BIOLOGICAL AVAILABILITY, NUTRITIONAL see **NUTRITIVE VALUE**

BIOLOGICAL CLOCKS

Chronobiology at the cellular and molecular levels: models and mechanisms for circadian timekeeping. Edmunds LN Jr. **Am J Anat** 1983 Dec;168(4):389–431 (269 ref.)
Quo vadis basic and clinical chronobiology: promise for health maintenance. Halberg F. **Am J Anat** 1983 Dec; 168(4):543–94 (131 ref.)
Chronobiology in hematology and immunology. Haus E, et al. **Am J Anat** 1983 Dec;168(4):467–517 (113 ref.)
The clinical application of chronobiology to oncology. Hrushesky WJ. **Am J Anat** 1983 Dec;168(4):519–42 (66 ref.)
Chronobiology: anatomy in time. Pauly JE. **Am J Anat** 1983 Dec;168(4):365–88
Timing and time perception. **Ann NY Acad Sci** 1984; 423:1–654
Properties of the internal clock. Church RM. **Ann NY Acad Sci** 1984;423:566–82
Incentive theory III: Adaptive clocks. Killeen PR. **Ann NY Acad Sci** 1984;423:515–27
Attentional bias between modalities: effect on the internal clock, memory, and decision stages used in animal time discrimination. Meck WH. **Ann NY Acad Sci** 1984; 423:528–41
Reproductive mechanisms: interaction of circadian and interval timing. Silver R, et al. **Ann NY Acad Sci** 1984; 423:488–514
Temporal rhythms and cerebral rhythms. Treisman M. **Ann NY Acad Sci** 1984;423:542–65
Gonadotropin secretion and testicular function in golden hamsters exposed to skeleton photoperiods with ultrashort light pulses. Ellis DH, et al. **Biol Reprod** 1983 Nov; 29(4):805–18
The validity of 'biorhythmic' theory questioned. James A. **Br J Psychol** 1984 May;75 (Pt 2):197–200
Complex clocks. Wingate DL. **Dig Dis Sci** 1983 Dec; 28(12):1133–40
Circadian clock: genetic characterization of a short period mutant of Chlamydomonas reinhardii. Mergenhagen D. **Eur J Cell Biol** 1984 Jan;33(1):13–8
Cellular clocks and oscillators. Klevecz RR, et al. **Int Rev Cytol** 1984;86:97–128 (98 ref.)
Autonomous cortical activity in mouse eggs controlled by a cytoplasmic clock. Waksmundzka M, et al. **J Embryol Exp Morphol** 1984 Feb;79:77–96
Genetic endowment, biological clocks, regulatory mechanism, and environmental influences as determinants affecting ontogeny of the gastrointestinal tract. Lebenthal E. **J Pediatr Gastroenterol Nutr** 1983;2 Suppl 1(Suppl 1):S1–6
Thyroid hormone in biological rhythms. Simpkins C. **Med Hypotheses** 1983 Oct;12(2):179–84
Biorhythmic patterns of victims of mountain climbing accidents. Ellis SR, et al. **Psychol Rep** 1983 Oct;53(2):612–4
Distribution of REM latencies and other sleep phenomena in depression as explained by a single ultradian rhythm disturbance. Beersma DG, et al. **Sleep** 1984;7(2):126–36
[Aspects of biorhythms in physio– and balneotherapy in relation to bioclimatology] Matoušek J, et al. **Fysiatr Reumatol Vestn** 1983 Dec;61(6):316–24 (Eng. Abstr.) **(Cze)**
[Annual cycle of gonadotropic function and prolactinemia; the regulation of seasonal testicular activity] Boissin J, et al. **Ann Endocrinol (Paris)** 1983;44(5):319–21 (30 ref.) **(Fre)**
[Rhythms of the gonadotropic system in human clinical medicine and their therapeutic applications] Bringer J, et al. **Ann Endocrinol (Paris)** 1983;44(5):313–7 (48 ref.) **(Fre)**
[Electrophysiological approaches to hypothalamic rhythms related to reproduction] Vincent JD. **Ann Endocrinol (Paris)** 1983;44(5):309–12 **(Fre)**
[What is the current thinking on the biorhythm theory?] Laxenaire M, et al. **Ann Med Psychol (Paris)** 1983 Apr; 141(4):425–9 (Eng. Abstr.) **(Fre)**
[Relations between the brain and the endocrine system from its chronobiological aspects. II. The hypophysis, adrenal gland, thyroid islet organ, gonads and kidney] Hahn von Dorsche H. **Anat Anz** 1984;155(1–5):95–113 (Eng. Abstr.) **(Ger)**
[Demonstration of a hourly rhythm of protein synthesis in human stomach biopsies] Brodskiĭ VIa, et al. **Biull Eksp Biol Med** 1984 May;97(5):612–4 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

The cyclic motor activity of the ovine gut: its reset at a faster rhythm. Ruckebusch Y, et al. **Experientia** 1984 Aug 15;40(8):819–20

BIOLOGICAL DRESSINGS see under **BANDAGES**

BIOLOGICAL ENERGY SOURCES see **BIOELECTRIC ENERGY SOURCES**

BIOLOGICAL PEST CONTROL see **PEST CONTROL, BIOLOGICAL**

BIOLOGICAL PRODUCTS

Quality control of biologicals produced by recombinant DNA techniques. WHO consultation. **Bull WHO** 1983; 61(6):897–911
Biologicals: new horizons in pharmaceutical development. Oldham RK. **J Biol Response Mod** 1983;2(3):199–206
Space station, shuttle offer new medical possibilities [news] Gunby P. **JAMA** 1984 May 11;251(18):2314–5
Drugs versus biologicals. An immunologist's view of the therapeutic future. Nossal GJ. **Med J Aust** 1984 Jul 21; 141(2):100–4
Biotechnology: US link for Cambridge venture [news] Beardsley T. **Nature** 1984 May 10–16;309(5964):107
Commercial biotechnology [editorial] Abelson PH. **Science** 1984 Mar 23;223(4642):1253
[Accords establishing the Internal Council for General Management of Biologicals and Reagents] **Salud Publica Mex** 1983 Sep–Oct;25(5):543–4 **(Spa)**

ADMINISTRATION & DOSAGE

Interferon–alpha in serum and carcinomatous pleural effusion after repeated intrapleural injections of antitumor agents. Kaneto E, et al. **Biken J** 1983 Jun;26(2):99–102
Evaluation of multidisciplinary treatment of bladder cancer, especially in chemoimmunotherapy (ADM and OK–432) as a consolidation therapy. Nakagami Y, et al. **Cancer Chemother Pharmacol** 1983;11 Suppl:S47–50
Intratumoral administration of streptococcal preparation (OK–432) to advanced pancreatic cancer. Kodama M, et al. **Hiroshima J Med Sci** 1983 Jun;32(2):167–71
Activated macrophages are responsible for the tumor–inhibitory effect in mice receiving intravenous injection of OK–432. Saito M, et al. **Int J Cancer** 1984 Feb 15;33(2):271–6

Efficacy of streptococcal preparation OK-432 for gastric cancer patients--comparison between intradermal and intramuscular injection. Hanaue H, et al. **Jpn J Surg** 1984 May;14(3):191-7

Methionine, cystine, sodium sulfate, and Fermacto-500 supplementation of practical-type diets for young turkeys. Potter LM, et al. **Poult Sci** 1984 May;63(5):987-92

[Effect of intravenous treatment with OK-432 on the bone marrow in patients with lung cancer] Fujii M, et al. **Gan No Rinsho** 1984 Mar;30(3):230-2 (Eng. Abstr.) **(Jpn)**

[Malignant melanoma in Japan: unique distribution and effect of DAV chemoimmunotherapy (part II)] Ishihara K, et al. **Gan To Kagaku Ryoho** 1984 Mar;11(3):467-73 (Eng. Abstr.) **(Jpn)**

[Preoperative immunochemotherapy for gastric cancer combined with perifocal administration of OK-432] Mukai M, et al. **Gan To Kagaku Ryoho** 1984 May;11(5):1071-7 (Eng. Abstr.) **(Jpn)**

[Thermotherapy for cancer of the urinary bladder in combination with tegafur and picibanil--with special reference to the serum bladder and bladder cancer tissue concentrations of tegafur in a perfusion fluid] Murahashi I, et al. **Gan To Kagaku Ryoho** 1984 Sep;11(9):1781-8 (Eng. Abstr.) **(Jpn)**

[Endoscopic preoperative intralesional injection of OK-432 in early gastric cancer] Yamane T, et al. **Gan To Kagaku Ryoho** 1984 Apr;11(4):930-4 (Eng. Abstr.) **(Jpn)**

[Combination chemotherapy of brain tumors with ACNU and 5-FU] Matsumoto K, et al. **Neurol Med Chir (Tokyo)** 1983 Aug;23(8):625-32 (Eng. Abstr.) **(Jpn)**

[Local immunotherapy of malignant brain tumors. Evaluation of intratumoral injection of BCG and a Streptococcus pyogenes preparation] Tanaka R, et al. **Neurol Med Chir (Tokyo)** 1984 Jun;24(6):376-84 (Eng. Abstr.) **(Jpn)**

[Experimental study on active specific immunotherapy utilizing the immune reaction of low-dose irradiated tumor tissue. 9. Effect of the mitomycin C-treated, cryopreserved immune reaction combined with biological response modifier, OK-432] Ogawa Y, et al. **Nippon Gan Chiryo Gakkai Shi** 1983 Jun 20;18(4):946-50 (Eng. Abstr.) **(Jpn)**

[Hemodynamic effects of a large dose injection of OK-432 (picibanil)] Morita K, et al. **Nippon Geka Gakkai Zasshi** 1983 Apr;84(4):295-300 (Eng. Abstr.) **(Jpn)**

[Therapeutic effectiveness of ericycline in combination with apilac in patients with chronic pyoderma] Topuriia RS. **Vestn Dermatol Venerol** 1983 Oct;(10):39-41 (Eng. Abstr.) **(Rus)**

[Preventive effectiveness of dried polyvalent Shigella bacteriophage in organized collective farms] Anpilov LI, et al. **Voen Med Zh** 1984 May;(5):39-40 **(Rus)**

ANALYSIS

The aluminum content of biological products containing aluminum adjuvants: determination by atomic absorption spectrometry. May JC, et al. **J Biol Stand** 1984;12(2):175-83

[Evaluation of the degree of degradation of human placental immunoglobulin preparations] Aleksandrowicz J, et al. **Med Dosw Mikrobiol** 1983;35(3-4):269-75 (Eng. Abstr.) **(Pol)**

[Microbiological method of determining cyanocobalamin in tissues and finished drugs made from animal raw materials] Krylov IuF, et al. **Farmakol Toksikol** 1983 Nov-Dec; 46(6):83-8 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Fermentation: process and products. 2. Pseudomonads. Narayanan RA, et al. **Hindustan Antibiot Bull** 1984 Feb-May;26(1-2):46-55 (39 ref.)

Fermentation--processes and products. Subrahmanyam A, et al. **Hindustan Antibiot Bull** 1984 Feb-May;26(1-2):43-5 (12 ref.)

Defective production of monocyte-activating cytokines in lepromatous leprosy. Horwitz MA, et al. **J Exp Med** 1984 Mar 1;159(3):666-78

IMMUNOLOGY

Antibody-dependent cell-mediated cytotoxicity against mouse MM2 tumor cell line by macrophages activated with OK-432. Murayama T. **Gann** 1984 Jul;75(7):617-24

Natural killer cytotoxicity of human lymphocytes in vitro. I. Cytotoxicity enhanced by OK-432 against a human skin cancer cell line. Kondo S, et al. **J Dermatol (Tokyo)** 1983 Dec;10(6):519-24

Activation of cytotoxic polymorphonuclear leukocytes by in vivo administration of a streptococcal preparation, OK-432. Watabe S, et al. **JNCI** 1984 Jun;72(6):1365-70

[Immunomodulation using an epidermal cytokine (ETAF)] Luger TA, et al. **Z Hautkr** 1984 Jan 1;59(1):18, 23-34 (Eng. Abstr.) **(Ger)**

METABOLISM

Macrocyst development in Dictyostelium discoideum. III. Cell-fusion inducing factor secreted by giant cells. Saga Y, et al. **J Cell Sci** 1983 Jul;62:237-48

PHARMACODYNAMICS

Cytokine modulation of chondrocyte proteinase release. Herman JH, et al. **Arthritis Rheum** 1984 Jan;27(1):79-91

Effect of a streptococcal preparation (OK432) on natural killer activity of tumour-associated lymphoid cells in human ovarian carcinoma and on lysis of fresh ovarian tumour cells. Colotta F, et al. **Br J Cancer** 1983 Oct; 48(4):515-25

Characterization of mouse natural killer cell activating factor (NKAF) induced by OK-432: evidence for interferon- and interleukin 2-independent NK cell activation. Ichimura O, et al. **Br J Cancer** 1984 Jul;50(1):97-108

Natural cytotoxicity of lymphocytes from lymph nodes draining breast carcinoma and its augmentation by interferon and OK432. Yanagawa E, et al. **Cancer Immunol Immunother** 1984;17(1):1-6

Influence of biologically active substances isolated from Galleria mellonella on neurons of Lymnaea stagnalis in culture. Spiridonov NA, et al. **Comp Biochem Physiol [C]** 1984;78(1):207-10

Cytokine effects on a B-cell line. Stanton T, et al. **Immunol Lett** 1984;7(6):301-7

Activation of macrophage function by intraperitoneal administration of the streptococcal antitumor agent OK-432. Kawaguchi T, et al. **Immunopharmacology** 1983 Oct;6(3):177-89

Streptococcal preparation OK-432-induced interferon in human leukocytes: purification and characterization. De Ley M, et al. **Int Arch Allergy Appl Immunol** 1984; 74(1):21-8

Counter inhibitor: a low molecular weight cytokine derived from human leukocyte dialysates reverses antigen dependent PMN and macrophage migration inhibition. Farmer JL, et al. **Int Arch Allergy Appl Immunol** 1984; 73(2):146-50

Effects of intradermal administration of streptococcal preparation OK-432 on interferon and natural killer cell activities in patients with oral cancer. Sato M, et al. **Int J Oral Surg** 1984 Feb;13(1):7-15

Modulation of human T cell production of migration inhibitory lymphokines by cytokines derived from human leukocyte dialysates. Gottlieb AA, et al. **J Immunol** 1984 Jan;132(1):256-60

Lysis of fresh human tumor cells by autologous peripheral blood lymphocytes and pleural effusion lymphocytes activated by OK432. Uchida A, et al. **JNCI** 1983 Oct; 71(4):673-80

Anti-tumor effect of a streptococcal preparation (OK-432). 1. Positive co-relation between the anti-tumour effect and delayed type hypersensitivity reaction to OK-432 in mice. Makidono R, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1984 Feb 25; 44(2):379-91

A corneal cytokine triggers the in vivo synthesis of serum amyloid A by hepatocytes. Luger TA, et al. **Ophthalmic Res** 1983;15(3):121-5

Cytokine-stimulated human natural killer cytotoxicity: response to rotavirus-infected cells. Kohl S, et al. **Pediatr Res** 1983 Nov;17(11):868-72

[Studies on the hepatoma cell injury by antibody-dependent cell-mediated cytotoxicity and its augmentation by pretreatment of macrophages with OK432] Mizoguchi Y, et al. **Arerugi** 1984 Mar;33(3):135-41 (Eng. Abstr.) **(Jpn)**

[Effect of bacterial products on cytokinetics of regional lymph nodes] Fujikura Y. **Igaku Kenkyu** 1983 Feb; 53(1):49-61 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Factors associated with humoral hypercalcemia of malignancy stimulate adenylate cyclase in osteoblastic cells. Rodan SB, et al. **J Clin Invest** 1983 Oct;72(4):1511-5

Activation of human macrophages. Comparison of other cytokines with interferon-gamma. Nathan CF, et al. **J Exp Med** 1984 Aug 1;160(2):600-5

RADIATION EFFECTS

[Problem of the so-called radiotoxins] Wolf A. **Z Gesamte Hyg** 1983 Sep;29(9):518 (Eng. Abstr.) **(Ger)**

SECRETION

New bone resorption stimulation factor elaborated by a human osteosarcoma cell line. Eilon G, et al. **Cancer Res** 1984 Jan;44(1):209-14

STANDARDS

Allergenic extracts: a review of their safety and efficacy. Schaeffer M, et al. **Ann Allergy** 1984 Jan;52(1):2-14 (23 ref.)

Design and analysis of accelerated degradation tests for the stability of biological standards II. A flexible computer program for data analysis. Kirkwood TB, et al. **J Biol Stand** 1984;12(2):207-14

Design and analysis of accelerated degradation tests for the stability of biological standards III. Principles of design. Kirkwood TB. **J Biol Stand** 1984;12(2):215-24

Design and analysis of accelerated degradation tests for the stability of biological standards I. Properties of maximum likelihood estimators. Tydeman MS, et al. **J Biol Stand** 1984;12(2):195-206

WHO Expert Committee on Biological Standardization. Thirty-fourth report. **WHO Tech Rep Ser** 1984;700:1-75

WHO Expert Committee on Biological Standardization. Thirty-third report. **WHO Tech Rep Ser** 1983;687:1-184

[Indices of the quantitative composition of intestinal microflora--one of the criteria for hygienic standardization of biological products] Kviatkovskaia IIa. **Gig Tr Prof Zabol** 1984 May;(5):37-8 **(Rus)**

[Ideas on the organization of a national laboratory for the control of biologics] Nájera R, et al. **Rev Sanid Hig Publica (Madr)** 1983 Mar-Apr;57(3-4):355-7 **(Spa)**

THERAPEUTIC USE

Cryosurgery and OK 432 in the treatment of malignant melanoma. Enomoto T, et al. **Arch Otolaryngol** 1984 Feb; 110(2):127-9

Clinical value of immunotherapy for lung cancer by the streptococcal preparation OK-432. Watanabe Y, et al. **Cancer** 1984 Jan 15;53(2):248-53

Biologicals and biological response modifiers: fourth modality of cancer treatment. Oldham RK. **Cancer Treat Rep** 1984 Jan;68(1):221-32

Comparison of antimetastatic effect against Lewis lung carcinoma after intratumoral and intravenous injections of cell-wall skeleton of Propionibacterium acnes C7 in C57BL/6 mice. Tanio Y, et al. **Gann** 1984 Mar;75(3):237-44

Enhanced resistance to Pseudomonas aeruginosa infection in mice pretreated with OK-432. Saito H, et al. **Hiroshima J Med Sci** 1983 Jun;32(2):235-9

Effect of streptococcal preparation, OK-432, on experimental infection due to Mycobacterium lepraemurium in mice of C3H/Jms strain. Saito H, et al. **Hiroshima J Med Sci** 1983 Jun;32(2):231-4

Evaluation of biological response modifiers in vitro. Salmon SE. **J Biol Response Mod** 1983;2(3):207-9

Protective effect of biological response modifiers on murine cytomegalovirus infection. Ebihara K, et al. **J Virol** 1984 Jul;51(1):117-22

Immunomodulatory treatment of HBsAg positive chronic hepatitis with specific substance Maruyama (SSM). Okumura H, et al. **Nippon Ika Daigaku Zasshi** 1984 Apr; 51(2):192-9

A newer hyperthermic therapy with a bacterial immunopotentiator (OK432) for chemotherapy-resistant ovarian cancer. Nishida T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Jan;36(1):142-6

Exogenous lactobacilli fed to man - their fate and ability to prevent diarrheal disease. Clements ML, et al. **Prog Food Nutr Sci** 1983;7(3-4):29-37

[Clinical observation on the effect of stimulin on fracture healing] Xie XM. **Chung Hua Wai Ko Tsa Chih** 1983 Oct; 21(10):584-6 (Eng. Abstr.) **(Chi)**

[Prophylactic effect of OK-432 on serosal invasion in an experimental model of peritoneal dissemination] Iijima T, et al. **Gan To Kagaku Ryoho** 1984 Apr;11(4):956-7 **(Jpn)**

[Inhibitory effects of OK-432 and PSK on cell growth of in vitro human choriocarcinoma cell lines] Kanazawa K, et al. **Gan To Kagaku Ryoho** 1983 Oct;10(10):2217-24 (Eng. Abstr.) **(Jpn)**

[Treatment of tumors of the urinary bladder with so-called immunopotentiators] Tsujimura S, et al. **Hinyokika Kiyo** 1983 Jan;29(1):9-15 (Eng. Abstr.) **(Jpn)**

[Pulverizations of lyophilized royal jelly as an efficient method in the treatment of chronic diseases of the upper respiratory tract] Spulber E. **Rev Chir [Otorinolaringol]** 1984 Jan-Mar;29(1):59-66 (Eng. Abstr.) **(Rum)**

[Serosophil--an absorbable suture material] Popovich TV. **Stomatologiia (Mosk)** 1984 Mar-Apr;63(2):43-6 (Eng. Abstr.) **(Rus)**

[Use of bee-raising products in dentistry] Troianskiĭ IV, et al. **Stomatologiia (Mosk)** 1983 Jul-Aug;62(4):80-2 (58 ref.) **(Rus)**

[Use of adapted Maliutka and Malysh Propionibacterium acidophilus mixtures in the combined treatment of acute diseases of the gastrointestinal tract in infants] Nabukhotnyĭ TK, et al. **Vopr Pitan** 1983 Nov-Dec;(6):27-30 (Eng. Abstr.) **(Rus)**

BIOLOGICAL PSYCHIATRY

STANDARDS

Clinical assessment scales for biological psychiatry to be used in WHO studies. Bech P, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(1):190-6

TRENDS

Vigilance--local vigilance--the vigilance profile: a new concept and its application in neurobiology and biological psychiatry. Koella WP. **Acta Neurol Scand [Suppl]** 1984; 99:35-41

[Progress in biological psychiatry and its effects on institutions] Baumann P, et al. **Rev Med Suisse Romande** 1984 Feb;104(2):105-13 **(Fre)**

BIOLOGICAL TRANSPORT

see related
PERMEASES

Computational analysis of models for cotransport. Harrison

DA, et al. **Biochim Biophys Acta** 1984 Jul 11;774(1):1–10
Transepithelial transport in cell culture. A theoretical and experimental analysis of the biophysical properties of domes. Tanner C, et al. **Biophys J** 1983 Aug;43(2):183–90
Advantages and disadvantages of studies with vesicles on the cellular mechanisms in epithelial transport. Murer H. **Boll Soc Ital Biol Sper** 1984 May 30;60 Suppl 4:123–41 (161 ref.)
Fringe pattern photobleaching, a new method for the measurement of transport coefficients of biological macromolecules. Davoust J, et al. **EMBO J** 1982; 1(10):1233–8
Sensitivity functions in the estimation of parameters of cellular exchange. Bassingthwaighte JB, et al. **Fed Proc** 1984 Feb;43(2):181–4
Genetic studies of leucine transport in mammalian cells. Shotwell MA, et al. **Fed Proc** 1984 May 15;43(8):2269–72
Evaluation of active versus passive uptake of metabolites by Rhizobium japonicum bacteroids. Reibach PH, et al. **J Bacteriol** 1984 Jul;159(1):47–52
Parameter estimation techniques for transport equations with application to population dispersal and tissue bulk flow models. Banks HT, et al. **J Math Biol** 1983;17(3):253–73
Generalized kinetic analysis of ion-driven cotransport systems: a unified interpretation of selective ionic effects on Michaelis parameters. Sanders D, et al. **J Membr Biol** 1984;77(2):123–52
Transport similarity: dimensional analysis of diffusion at cellular level. Günther B, et al. **J Theor Biol** 1984 Jun 7; 108(3):437–49
The physico-chemical mechanism of mediated transport. I. Facilitated diffusion. Massaldi HA, et al. **J Theor Biol** 1984 Feb 21;106(4):537–57
Transport theory for growing cell populations. Rotenberg M. **J Theor Biol** 1983 Jul 21;103(2):181–99
Interaction of intracellular electrolytes and tubular transport. Lang F, et al. **Klin Wochenschr** 1983 Oct 17;61(20):1029–37
Recessive constitutive mutant Chinese hamster ovary cells (CHO–K1) with an altered A system for amino acid transport and the mechanism of gene regulation of the A system. Moffett J, et al. **Mol Cell Biol** 1984 Apr; 4(4):799–808
Transport in QSAR VIII. The influence of viscosity on transport rate constants in two-phase systems organic solvent–water. De Haan FH, et al. **Pharm Weekbl [Sci]** 1983 Oct 21;5(5):222–7
Evidence for rotational contribution to protein-facilitated proton transport. Gros G, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(6):1710–4
Analysis of epithelial ion transport by X-ray microanalysis. Rick R, et al. **Scan Electron Microsc** 1983;(Pt 2):801–8
[Principles of mass transfer] Yoshida F. **Iyodenshi To Seitai Kogaku** 1983 Sep;21(5):324–7 **(Jpn)**

DRUG EFFECTS

Synthesis and transport applications of 3-aminobicyclo[3.2.1] octane-3-carboxylic acids. Christensen HN, et al. **J Med Chem** 1983 Oct;26(10):1374–8

BIOLOGICAL TRANSPORT, ACTIVE

Energy transduction and solute transport in streptococci. Konings WN, et al. **Antonie Van Leeuwenhoek** 1983 Sep; 49(3):247–57 (45 ref.)
Ion transport processes in basolateral membranes of epithelia. Reuss L, et al. **Fed Proc** 1984 Jul;43(10):2488–502
Ion transport processes in apical membranes of epithelia. Warnock DG, et al. **Fed Proc** 1984 Jul;43(10):2473–87
Quantitative studies of cotransport systems: models and vesicles. Turner RJ. **J Membr Biol** 1983;76(1):1–15 (77 ref.)
Active transport membrane concentration amplifiers. El-Rifai MA. **J Theor Biol** 1984 Feb 21;106(4):559–76
Rate theory models for ion transport through rigid pores. II. Time-dependent analysis of the single-file model with special reference to oscillatory behavior. Stephan W, et al. **J Theor Biol** 1983 Aug 21;103(4):481–505
Sequence homology between two membrane transport ATPases, the Kdp-ATPase of Escherichia coli and the Ca2+-ATPase of sarcoplasmic reticulum. Hesse JE, et al. **Proc Natl Acad Sci USA** 1984 Aug;81(15):4746–50

DRUG EFFECTS

The effect of phenothiazines on Ca2+ fluxes in skeletal muscle sarcoplasmic reticulum. Volpe P, et al. **Arch Biochem Biophys** 1984 Aug 15;233(1):174–9
Kinetics of inhibition of transport systems. Krupka RM, et al. **Int Rev Cytol** 1983;84:303–52 (91 ref.)
Sodium current in freshly isolated and in cultured single rat myocardial cells: frequency and voltage-dependent block by mexiletine. Hering S, et al. **J Mol Cell Cardiol** 1983 Jul;15(7):431–44

BIOLOGICAL WARFARE

Chemical and bacteriological weapons in the 1980s [editorial] **Lancet** 1984 Jul 21;2(8395):141–3
The covert use of chemical and biological warfare against United States Strategic Forces. Hooper RR. **Milit Med** 1983 Dec;148(12):901–2
Biological weapons: Soviet Union accused [news] David P. **Nature** 1984 Apr 19–25;308(5961):679
Fresh support for apian origin [news] Hay A. **Nature** 1983 Nov 3–9;306(5938):8
Natural history of yellow rain [news] Maddox J. **Nature** 1984 May 17–23;309(5965):207
Yellow rain—a palynological analysis [editorial] Nowicke JW, et al. **Nature** 1984 May 17–23;309(5965):205–6
Shiga toxin: no smoking gun [news] Fox JL. **Science** 1984 Feb 24;223(4638):799
The dark side of biotechnology [news] Smith RJ. **Science** 1984 Jun 15;224(4654):1215–6
[Biological weapons and protection] Birtašević B. **Vojnosanit Pregl** 1984 Jan–Feb;41(1):31–4 **(Scr)**

HISTORY

'Germ warfare' and public health in the Korean conflict. Cowdrey AE. **J Hist Med Allied Sci** 1984 Apr;39(2):153–72

METHODS

Analysis for Fusarium toxins in various samples implicated in biological warfare in Southeast Asia. Mirocha CJ, et al. **J Assoc Off Anal Chem** 1983 Nov;66(6):1485–99

BIOLOGICS see **BIOLOGICAL PRODUCTS**

BIOLOGY

Thinking about mind and matter from biology. Jeuken M. **Acta Biotheor (Leiden)** 1983;32(2):79–92
The complexity of living bodies and the structure of biological theories. Kitts DB. **Acta Biotheor (Leiden)** 1983; 32(3):195–205
Stochastic methods in the life sciences: general aspects and specific models. **Bull Math Biol** 1983;45(4):437–658
The scope and potential of biotechnology [editorial] Slotin LA. **Can Med Assoc J** 1984 Mar 1;130(5):557–8
Neurobiology and molecular biology: the second encounter. Kandel ER. **Cold Spring Harbor Symp Quant Biol** 1983;48 Pt 2:891–908
Federation of American Societies for Experimental Biology. 68th annual meeting, St. Louis, Missouri, April 1–6, 1984. Abstracts of papers 2957–4782; 9001–9010. **Fed Proc** 1984 Mar 5;43(4):791–1104
Federation of American Societies for Experimental Biology. 68th annual meeting, St. Louis, Missouri, April 1–6, 1984. Abstracts of papers 1–2956. **Fed Proc** 1984 Mar 1; 43(3):285–790
Biological application of the statistical concepts used in the Second Law. Elsasser WM. **J Theor Biol** 1983 Nov 7; 105(1):103–16
9th International Congress on Photobiology and 12th annual meeting of the American Society for Photobiology. Abstracts of papers. Philadelphia, Pennsylvania, 1–6 July 1984. **Photochem Photobiol** 1984 May;39 Suppl:1S–120S
On downward causation in biological and behavioural systems. Petersen AF. **Pubbl Stn Zool Napoli [II]** 1983; 5(1):69–86
[Progress of biology and the definition of man] Bernard J. **Rev Med Suisse Romande** 1984 Mar;104(3):239–48 **(Fre)**
[Reproductive biology. Ethical considerations for the gynecologist vis à vis results of modern research. What can and may an old teacher say in regard to it?] Fikentscher R. MMW 1984 Feb 17;126(7):171–4 (Eng. Abstr.) **(Ger)**
[Characteristics of the publications of the N. K. Koltsov Institute of Developmental Biology of the Academy of Sciences of the USSR and their citation frequency] Lozovskaia GS, et al. **Ontogenez** 1983 Nov–Dec; 14(6):651–6 **(Rus)**

EDUCATION

Curricular guidelines for oral biology. **J Dent Educ** 1984 May;48(5):269–73
Commitment to oral biology: prescription for a new age in dental education. Suddick RP. **J Dent Educ** 1984 Jun; 48(6):291–7

HISTORY

Mones Berman—the man and his legacy to quantitative biology. Rall JE. **Am J Physiol** 1983 Nov;245(5 Pt 1):R618–9
The Biological Institute of the Carlsberg foundation: international centre for cell biology for 50 years. Rasmussen L, et al. **Cell Biol Int Rep** 1983 Dec;7(12):1071–9
More maiorum (a review symposium): 'The growth of biological thought.' By Ernst Mayr. Essay review. Ghiselin MT. **Isis** 1983 Sep;74(273):410–3
More maiorum (a review symposium): 'The growth of biological thought.' By Ernst Mayr. Essay review. Roger J. **Isis** 1983 Sep;74(273):405–10
[15 years of progress in the biological sciences] Dustin P. **Rev Med Brux** 1984 Mar;5(3):115–9 **(Fre)**
[The biology of microorganisms by F. J. Cohn (1828–1898). Development from studies of microscopic plants and animals] Hoppe B. **Sudhoffs Arch** 1983;67(2):158–89 (Eng. Abstr.) **(Ger)**
[Study of biology and medicine in the work of the Piedmontese physicist, G.B. Beccaria] Cremona GF. **Ann Osp Maria Vittoria Torino** 1982 Jul–Dec; 25(7–12):259–68 (Eng. Abstr.) **(Ita)**
[Medical bioclimatology: aspects of the historical evolution, with special reference to the contribution of Piedmontese scientists] Cremona GF. **Ann Osp Maria Vittoria Torino** 1982 Jul–Dec;25(7–12):245–58 (Eng. Abstr.) **(Ita)**
[Rationalistic and empirical principles in the development of medicine at the turn of the 18th century. Brief review of philosophical doctrines and biological theories] Sródka A. **Arch Hist Med (Warsz)** 1983;46(3):333–45 (Eng. Abstr.) **(Pol)**
[Biological and social trends in medicine from the historical viewpoint] Strojnowski J. **Arch Hist Med (Warsz)** 1984; 47(1):25–37 (Eng. Abstr.) **(Pol)**

METHODS

Allometric scaling in comparative biology: problems of concept and method. Smith RJ. **Am J Physiol** 1984 Feb; 246(2 Pt 2):R152–60

STANDARDS

[Biological standardization] Dzagurov SG, et al. **Vopr Virusol** 1984 May–Jun;29(3):264–70 (9 ref.) **(Rus)**

TRENDS

The formal and the intuitive in the biological sciences. Wang H. **Perspect Biol Med** 1984 Summer;27(4):525–42
[Biology yesterday, today and tomorrow] Pirlot P. **Rev Can Biol Exp** 1983 Nov;42(3):295–302 (Eng. Abstr.) **(Fre)**
[Various medico-biological concepts and current ideological trends] Metelina LV, et al. **Sov Med** 1983;(12):77–80 **(Rus)**

BIOLUMINESCENT PROTEINS see **LUMINESCENT PROTEINS**

BIOMASS see **ECOLOGY**

BIOMATERIALS see **BIOCOMPATIBLE MATERIALS**

BIOMECHANICS

The biomechanics of head-first versus feet-first sliding. Corzatt RD, et al. **Am J Sports Med** 1984 May–Jun; 12(3):229–32
Cinematographical analysis of javelin throwing techniques of decathletes. Kunz H, et al. **Br J Sports Med** 1983 Sep; 17(3):200–4
What should bones be designed to do? Currey JD. **Calcif Tissue Int** 1984;36 Suppl 1:S7–10
Thoracicoabdominal mechanics during resuscitation maneuvers. Ducas J, et al. **Chest** 1983 Oct;84(4):446–51
Mechanics of the normal and osteoarthritic hip. A new perspective. Bombelli R, et al. **Clin Orthop** 1984 Jan–Feb; (182):69–78
Muscular pain caused by isometric contraction: evaluation of pain through visual analog scale. Vecchiet L, et al. **Clin Ther** 1983;5(5):504–8
The present state of biomechanical research in orthopaedics in Japan – an observation by an orthopaedic surgeon. Terayama K. **Eng Med** 1983 Oct;12(4):207–9
The influence of flywheel weight and pedalling frequency on the biomechanics and physiological responses to bicycle exercise. Patterson RP, et al. **Ergonomics** 1983 Jul; 26(7):659–68
Histo-mechanical aspects of carpal tunnel syndrome. Lin R, et al. **Hand** 1983 Oct;15(3):305–9
Human knee ligaments: mechanical tests and ultrastructural observations. Marinozzi G, et al. **Ital J Orthop Traumatol** 1983 Jun;9(2):231–40
Louisa Burns memorial lecture: biomechanics and osteopathic manipulative treatment. Soutas-Little RW. **J Am Osteopath Assoc** 1983 Sep;83(1):63–5
Flow disturbance measurements through a constricted tube at moderate Reynolds numbers. Ahmed SA, et al. **J Biomech** 1983;16(12):955–63
A close-range photogrammetric system for 3-D measurements and perspective diagramming in biomechanics. Ghosh SK. **J Biomech** 1983;16(8):667–74
The mechanical properties of human tibial trabecular bone as a function of metaphyseal location. Goldstein SA, et al. **J Biomech** 1983;16(12):965–9
Evaluation of cross-sectional geometry and mass density distributions of humans and laboratory animals using computerized tomography. Huang HK, et al. **J Biomech** 1983;16(10):821–32
A survey of finite element analysis in orthopedic biomechanics: the first decade. Huiskes R, et al. **J Biomech** 1983;16(6):385–409 (112 ref.)
Invariance of ankle dynamic stiffness during fatiguing muscle contractions. Hunter IW, et al. **J Biomech** 1983; 16(12):985–91
The mechanical characteristics of cancellous bone at the upper femoral region. Martens M, et al. **J Biomech** 1983; 16(12):971–83
An estimation of center of gravity from force platform data. Shimba T. **J Biomech** 1984;17(1):53–60
A dynamometer for the measurement of the extension torque of the lower leg during static and dynamic contractions of the quadriceps femoris muscle. van Eijden TM, et al. **J Biomech** 1983;16(12):1019–23
A review of biomechanical models. King AI. **J Biomech Eng** 1984 May;106(2):97–104 (118 ref.)
Measurement of knee stiffness and laxity in patients with documented absence of the anterior cruciate ligament. Markolf KL, et al. **J Bone Joint Surg [Am]** 1984 Feb;

66(2):242–52
A critique of applications of the Euler equation to the human spine. Owens EF Jr, et al. **J Manipulative Physiol Ther** 1983 Jun;6(2):67–70
The seriously uninjured hand—weakness of grip. Stokes HM. **J Occup Med** 1983 Sep;25(9):683–4
Use of separate hand locations to calculate ground reaction force exerted on a vaulting pole. Dapena J, et al. **Med Sci Sports Exerc** 1983;15(4):313–8
Mechanical efficiency of positive work in running at different speeds. Ito A, et al. **Med Sci Sports Exerc** 1983; 15(4):299–308
Body segment contributions to height achieved during the flight a springboard dive. Miller DI, et al. **Med Sci Sports Exerc** 1984 Jun;16(3):234–42
Spline solution to terminal zero acceleration problems in biomechanical data. Phillips SJ, et al. **Med Sci Sports Exerc** 1983;15(5):382–7
The tale of a falling cat [news] Darius J. **Nature** 1984 Mar 8–14;308(5955):109
Effects of differences in mineralization on the mechanical properties of bone. Currey JD. **Philos Trans R Soc Lond [Biol]** 1984 Feb 13; 304(1121):509–18
Biomechanics of the through-knee prosthesis. Hughes J. **Prosthet Orthot Int** 1983 Aug;7(2):96–9
The influence of locally deposited fibrin on the biomechanical properties of developing granulation tissue in rats. Hedelin H, et al. **Scand J Plast Reconstr Surg** 1983;17(3):179–81
[Biomechanics from the aspect of the management theory of biosystems] Petrýl M, et al. **Acta Chir Orthop Traumatol Cech** 1984 Feb;51(1):12–9 (Eng. Abstr.) **(Cze)**
[Maximum static efforts in lifting in various body postures] Delhez L, et al. **Acta Belg Med Phys** 1983 Apr–Jun; 6(2):43–9 (Eng. Abstr.) **(Fre)**
[Address for the session commemorating Dr. Marey's 'The biomechanics of gait'] Konings L. **Acta Belg Med Phys** 1984 Jan–Mar;7(1):5–7 **(Fre)**
[Sub-astragalar articulation: functional approach using load imprints] Le Floch-Prigent P. **Bull Assoc Anat (Nancy)** 1983 Mar;67(196):117–26 (Eng. Abstr.) **(Fre)**
[Development, evaluation and application of a dynamometric system of skates] Lamontagne M, et al. **Can J Appl Sport Sci** 1983 Sep;8(3):169–79 (Eng. Abstr.) **(Fre)**
[Differences in rigidity of fresh and macerated skeletal bones] Thiel M. **Beitr Gerichtl Med** 1983;41:459–64 (Eng. Abstr.) **(Ger)**
[Biodynamics] Fischer G. **Gegenbaurs Morphol Jahrb** 1984; 130(1):57–76 (Eng. Abstr.) **(Ger)**
[Significance of flexibility in ballet dancers] Huwyler J. **Orthopade** 1984 Jan;13(1):52–62 **(Ger)**
[Statics and dynamics of the spine] Fredenhagen H. **Schweiz Z Sportmed** 1983 Dec;31(4):109–13 (Eng. Abstr.) **(Ger)**
[Analysis and evaluation of local dynamic muscle work—effect of fatiguing load on parameters of the motor and cardiovascular systems] Kobryn U, et al. **Z Gesamte Hyg** 1983 Aug;29(8):461–3 (Eng. Abstr.) **(Ger)**
[Analysis and evaluation of local dynamic muscular work – load capacity of selected physiological parameters] Kobryn U, et al. **Z Gesamte Hyg** 1983 Aug;29(8):457–60 (Eng. Abstr.) **(Ger)**
[Osteon count and tensile strength of human metacarpals and basic phalanges] Hoyer HE, et al. **Z Orthop** 1983 Nov–Dec; 121(6):653–6 (Eng. Abstr.) **(Ger)**
[Biomechanical model for the transport of refuse containers over side-walk curbs] Jäger M, et al. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1983 Aug;33(8):252–9 (Eng. Abstr.) **(Ger)**

BIOMEDICAL ENGINEERING

see related
ELECTRONICS, MEDICAL

The mechanical and stress adaptive properties of bone. Cowin SC. **Ann Biomed Eng** 1983;11(3–4):263–95
A bidomain model for anisotropic cardiac muscle. Geselowitz DB, et al. **Ann Biomed Eng** 1983;11(3–4):191–206
The discontinuous nature of electrical propagation in cardiac muscle. Consideration of a quantitative model incorporating the membrane ionic properties and structural complexities. The ALZA distinguished lecture. Spach MS. **Ann Biomed Eng** 1983;11(3–4):209–61
Model utility in the study of cardiorespiratory control. Swanson GD, et al. **Ann Biomed Eng** 1983;11(3–4):337–48
Information systems approach to integrated responses in the respiratory control system. Yamamoto WS. **Ann Biomed Eng** 1983;11(3–4):349–60
Ultrafiltration processes in biotechnology. Tutunjian RS. **Ann NY Acad Sci** 1983;413:238–53
Flowmeter for high frequency ventilation on the pneumotach principle. Bertram CD. **Australas Phys Eng Sci Med** 1984 Apr–Jun;7(2):85–90
The contribution of medical physics and engineering in health care. Medical instrumentation—the digital revolution. Clifton JS. **Australas Phys Eng Sci Med** 1984 Jan–Mar; 7(1):3–12
A dynamic load-transducer for investigating non-linear characteristics of mammalian skeletal muscle. Harris K, et al. **Australas Phys Eng Sci Med** 1984 Apr–Jun;7(2):74–8
Eye Operated Keyboard. Ignazzi V, et al. **Australas Phys Eng Sci Med** 1984 Apr–Jun;7(2):58–62
Paradox and partnership—the engineer's contribution to medicine. Lenihan JM. **Australas Phys Eng Sci Med** 1983 Jan–Mar;6(1):5–8
A stochastic signal method for measuring mechanical consequences of adrenaline in intact rat ventricular muscle. Rossmanith GH, et al. **Australas Phys Eng Sci Med** 1984 Apr–Jun;7(2):63–8
Proceedings of the Twenty-First Annual Rocky Mountain Bioengineering Symposium and the Twenty-First International ISA Biomedical Sciences Instrumentation Symposium. April 16–17, 1984, Boulder, Colorado. **Biomed Sci Instrum** 1984;20:1–161
The many facets of bioengineering. Gamow RI. **Biomed Sci Instrum** 1984;20:5–8
Biotechnology in Canada [editorial] Fouron Y. **Can Med Assoc J** 1984 Mar 1;130(5):559–60
Biotechnology in medicine [editorial] Green AM. **Can Med Assoc J** 1984 Mar 1;130(5):558–9
The scope and potential of biotechnology [editorial] Slotin LA. **Can Med Assoc J** 1984 Mar 1;130(5):557–8
The use of hemoglobin solutions in kidney perfusions. Daniels FH, et al. **Crit Rev Biomed Eng** 1984;9(4):315–45 (184 ref.)
High-frequency ventilation. Kamm RD, et al. **Crit Rev Biomed Eng** 1984;9(4):347–79 (62 ref.)
Critical problems in spatial vision. Kelly DH, et al. **Crit Rev Biomed Eng** 1984;10(2):125–77 (274 ref.)
The design of automated analysis machines. Riley C. **Crit Rev Biomed Eng** 1984;10(1):27–88 (346 ref.)
Physical methods for the study of the dynamics of axonal transport. Snyder RE, et al. **Crit Rev Biomed Eng** 1984; 10(2):89–123 (184 ref.)
Biomechanics of human movement with applications to the study of human locomotion. Winter DA. **Crit Rev Biomed Eng** 1984;9(4):287–314 (181 ref.)
Research priorities in medical engineering. Mason EA. **Eng Med** 1984 Jan;13(1):45–6
The bond strength and ageing of plasma-sprayed coatings of alumina on metal substrates. Randall JE, et al. **Eng Med** 1984 Apr;13(2):67–71
A study of the wear characteristics of ultra-high molecular weight polyethylene sliding against glass. Randall JE, et al. **Eng Med** 1984 Apr;13(2):55–66
Estimation of motor unit twitches. Andreassen S, et al. **IEEE Trans Biomed Eng** 1983 Nov;30(11):742–8
A flash kinetic spectrophotometer employing photodiode array sensors. Beach JM, et al. **IEEE Trans Biomed Eng** 1984 May;31(5):414–9
The double magnetic induction method for measuring eye movement—results in monkey and man. Bour LJ, et al. **IEEE Trans Biomed Eng** 1984 May;31(5):419–27
A cardiac hypothesis for the origin of EEG alpha. Castillo HT. **IEEE Trans Biomed Eng** 1983 Dec;30(12):793–6
Application of phase analysis of the Frankenhaeuser-Huxley equations to determine threshold stimulus amplitudes. Dean D, et al. **IEEE Trans Biomed Eng** 1983 Dec;30(12):810–8
Comparing spectra of a series of point events particularly for heart rate variability data. DeBoer RW, et al. **IEEE Trans Biomed Eng** 1984 Apr;31(4):384–7
Some theoretic results on a digital EMG signal processor. Filligoi GC, et al. **IEEE Trans Biomed Eng** 1984 Apr; 31(4):333–41
Computer simulated analysis for assessment of ovarian function. Fromm E, et al. **IEEE Trans Biomed Eng** 1984 Apr;31(4):325–32
An information-theoretic analysis of cutaneous receptor responses. Fuller MS, et al. **IEEE Trans Biomed Eng** 1984 Apr;31(4):377–83
Geometric deconvolution: a meta-algorithm for limited view computed tomography. Gordon R, et al. **IEEE Trans Biomed Eng** 1983 Dec;30(12):806–10
Scan-along polygonal approximation for data compression of electrocardiograms. Ishijima M, et al. **IEEE Trans Biomed Eng** 1983 Nov;30(11):723–9
The application of pattern recognition techniques to the contingent negative variation for the differentiation of subject categories. Jervis BW, et al. **IEEE Trans Biomed Eng** 1984 Apr;31(4):342–9
Dielectric properties of fluid-saturated bone—the effect of variation in conductivity of immersion fluid. Kosterich JD, et al. **IEEE Trans Biomed Eng** 1984 Apr;31(4):369–74
Time domain and spectral analysis of electrograms in man during regular ventricular activity and ventricular fibrillation. Mørkrid L, et al. **IEEE Trans Biomed Eng** 1984 Apr;31(4):350–5
Special-purpose orthonormal basis functions—application to motor unit action potentials. Nandedkar SD, et al. **IEEE Trans Biomed Eng** 1984 Apr;31(4):374–7
Limitation of the inverse problem in body surface potential mapping. Okamoto Y, et al. **IEEE Trans Biomed Eng** 1983 Nov;30(11):749–54
Modeling of the transfer function of the flow transducer used in ventilatory impedance measurements. Pelle G, et al. **IEEE Trans Biomed Eng** 1984 Apr;31(4):356–61
Continuous thermal measurement of cardiac output. Philip JH, et al. **IEEE Trans Biomed Eng** 1984 May;31(5):393–400
Power spectrum density analysis of electrical noise in glass microelectrodes. Plamondon R, et al. **IEEE Trans Biomed Eng** 1984 May;31(5):428–34
An inexpensive eye movement monitor using the scleral search coil technique. Remmel RS. **IEEE Trans Biomed Eng** 1984 Apr;31(4):388–90
Comments on 'Upper extremity limb function discrimination using EMG signal analysis'. Sherif MH, et al. **IEEE Trans Biomed Eng** 1984 May;31(5):440
A graphic method for estimating equivalent dipole of localized EEG discharge. Watanabe Y, et al. **IEEE Trans Biomed Eng** 1984 May;31(5):435–9
Paraplegic ambulation: a systems point of view. Coburn B. **Int Rehabil Med** 1984;6(1):19–24
Electrochemical transducers for the measurement of biological compounds. **J Biomed Eng** 1984 Jul;6(3):170–88
Spectral analysis of heart sounds: relationships between some physical characteristics and frequency spectra of first and second heart sounds in normals and hypertensives. Arnott PJ, et al. **J Biomed Eng** 1984 Apr;6(2):121–8
Laser method for recording displacement of the heart and chest wall. Aubert AE, et al. **J Biomed Eng** 1984 Apr; 6(2):134–40
Sensitivity analysis for an improved estimation of respiratory mechanics parameters. Avanzolini G, et al. **J Biomed Eng** 1984 Jul;6(3):189–94
A microcomputer-based binaural measurement system. Chan FH, et al. **J Biomed Eng** 1984 Jul;6(3):212–8
A noble spring-clip: fatigue-resistant electrical connection for implant use. Donaldson ND. **J Biomed Eng** 1984 Jul; 6(3):237–41
Forces in the knee joint whilst rising from a seated position. Ellis MI, et al. **J Biomed Eng** 1984 Apr;6(2):113–20
Venous occlusive RN plethysmography: comparison with electrical admittance plethysmography. Fukuoka M, et al. **J Biomed Eng** 1984 Apr;6(2):141–5
A general-purpose microprocessor system for medical instrumentation and electrical stimulation. Goovaerts HG, et al. **J Biomed Eng** 1984 Apr;6(2):90–6
A magnet system for urethral closure in females. Grüneberger AD, et al. **J Biomed Eng** 1984 Apr;6(2):102–6
Syntactic pattern recognition of fetal stress. Hernández C, et al. **J Biomed Eng** 1984 Apr;6(2):97–101
A communication aid for the physically handicapped. Jardine P, et al. **J Biomed Eng** 1984 Jul;6(3):230–6
Vibrating Reed method [letter] Laura PA. **J Biomed Eng** 1984 Jul;6(3):242–3
Electromagnetic generator [letter] Lunt MJ. **J Biomed Eng** 1984 Apr;6(2):155
Natural frequency of fracture fragments in the assessment of tibial fracture healing. Nokes LD, et al. **J Biomed Eng** 1984 Jul;6(3):227–9
Tri-axial graphics as an aid to understanding left ventricular function in conscious dogs. Willshaw P, et al. **J Biomed Eng** 1984 Apr;6(2):107–12
A system for monitoring the position and time of feet contact during walking. Arenson JS, et al. **J Med Eng Technol** 1983 Nov–Dec;7(6):280–4
Clinical gait assessment: a personal view. Rose GK. **J Med Eng Technol** 1983 Nov–Dec;7(6):273–9
The clinical engineering/health care mismatch: its effect on personnel management. Fennigkoh L. **Med Biol Eng Comput** 1984 Mar;22(2):113–4
Clinical engineering in Italy: two local experiences. Merletti R, et al. **Med Biol Eng Comput** 1984 Mar;22(2):106–12
Considerations in the development of a regional clinical engineering service. Scott RN, et al. **Med Biol Eng Comput** 1984 Mar;22(2):102–5
Cardiac pacing—from then to now. Gold RD. **Med Instrum** 1984 Jan–Feb;18(1):15–21
In-house CT service: the next clinical engineering crossroads. Judd TM, et al. **Med Instrum** 1983 Nov–Dec;17(6):423–7
Biotechnology: low risks at a premium [news] Beardsley T. **Nature** 1984 Apr 12–18;308(5960):579
[The MEH 6 bioelectric forearm prosthesis] Vostrčil M. **Acta Chir Orthop Traumatol Cech** 1984 Apr;51(2):176–80 (Eng. Abstr.) **(Cze)**
[Proceedings of the 17th annual meeting of the German Society for Biomedical Technology, 5–6 May 1983, Erlangen. Abstracts] **Biomed Tech (Berlin)** 1983 May;28 Suppl:138 p. **(Ger)**
[Medical engineering applied to cardiology] Abe H. **Iyodenshi To Seitai Kogaku** 1982 Dec;20(7):563–4 **(Jpn)**
[Medical engineering in neurosurgery] Handa H, et al. **Iyodenshi To Seitai Kogaku** 1982 Dec;20(7):569–70 **(Jpn)**
[System design for the diagnosis of the stomatognathic function—from the viewpoint of clinical prosthodontics] Ishioka K. **Iyodenshi To Seitai Kogaku** 1982 Dec; 20(7):584–6 **(Jpn)**
[Current trends in the studies of biomedical signal processing] Kikkawa S, et al. **Iyodenshi To Seitai Kogaku** 1982 Dec; 20(7):536–40 (81 ref.) **(Jpn)**
[Modern concept of the system control] Kitamori T. **Iyodenshi To Seitai Kogaku** 1983 Sep;21(5):328–31 **(Jpn)**
[Medical engineering in perinatology] Maeda K. **Iyodenshi To Seitai Kogaku** 1982 Dec;20(7):567–8 **(Jpn)**
[Medical engineering in dermatology] Miki Y. **Iyodenshi To Seitai Kogaku** 1982 Dec;20(7):579–80 **(Jpn)**
[Future medical electronics in pediatrics] Mori C. **Iyodenshi To Seitai Kogaku** 1982 Dec;20(7):587–8 **(Jpn)**
[Medical engineering in ophthalmology] Nakatani H. **Iyodenshi To Seitai Kogaku** 1982 Dec;20(7):571–3 **(Jpn)**
[Current status and the future of medical electronics in gastroenterology] Namiki M, et al. **Iyodenshi To Seitai Kogaku** 1982 Dec;20(7):565–6 **(Jpn)**
[The Japan Society of Medical Electronics and Biological

Engineering and International Federation for Medical and Biological Engineering (IFMBE)] Suhara K. **Iyodenshi To Seitai Kogaku** 1982 Dec;20(7):499–512 **(Jpn)**

[Medical engineering in emergency medicine] Tsuzuki M. **Iyodenshi To Seitai Kogaku** 1982 Dec;20(7):581–3 **(Jpn)**

[Development of sensors to be used in orthopedic implants] Yamamuro T. **Iyodenshi To Seitai Kogaku** 1982 Dec; 20(7):574–5 **(Jpn)**

[Basic electronics for clinical practice and laboratory. IV. Basic measurement and analysis procedures] Yamamura T, et al. **Masui** 1983 Jun;32(6):751–7 (Eng. Abstr.) **(Jpn)**

[Early stage in the research of biotechnology—discussion with Professor Yoshiaki Miura] **Seikagaku** 1983 May; 55(5):287–300 **(Jpn)**

ECONOMICS

Venture capitalism: a new fashion or new opportunity for European biomedical market development. Knight C. **Life Support Syst** 1983 Jul–Sep;1(3):217–8

Venture capital or vulture capital? Knight CJ. **Life Support Syst** 1983 Apr–Jun;1(2):137–40

Results of a clinical engineering programme in the Federal Republic of Germany. Irnich W, et al. **Med Biol Eng Comput** 1984 Mar;22(2):98–101

EDUCATION

Biomedical engineering at the University of Technology Twente, Enschede, The Netherlands. Bosma R. **Eng Med** 1983 Oct;12(4):205–6

Biomedical engineering teaching and research at the centre for biomedical engineering, University of New South Wales, Kensington, Australia. Farrell PC, et al. **Eng Med** 1983 Oct;12(4):201–4

Bio–medical engineering at Trent Polytechnic. Gentle CR. **Eng Med** 1983 Jul;12(3):163

Biomedical engineering training in Dundee. Hughes S. **Eng Med** 1983 Jul;12(3):145–7

Medical engineering: meetings on research priorities. Mason EA. **Eng Med** 1983 Jul;12(3):143–4

The masters degree in bioengineering at the University of Strathclyde. Paul JP. **Eng Med** 1983 Jul;12(3):157–61

Medical biophysics in Manchester. Pullan BR, et al. **Eng Med** 1983 Jul;12(3):155–6

Education in the field of biomedical engineering for Japanese engineering students. Sasada T. **Eng Med** 1983 Oct; 12(4):211–3

The present state of biomechanical research in orthopaedics in Japan – an observation by an orthopaedic surgeon. Terayama K. **Eng Med** 1983 Oct;12(4):207–9

Bioengineering at Durham University. Unsworth A. **Eng Med** 1983 Jul;12(3):149–50

Education in bioengineering: experience at the University of Leeds. Wright V, et al. **Eng Med** 1983 Jul;12(3):151–3

Rehabilitation engineering and the growth of prosthetics/orthotics practice. Staros A. **Int Rehabil Med** 1984;6(2):79–84

[Education in biomedical engineering] Atsumi K. **Iyodenshi To Seitai Kogaku** 1982 Dec;20(7):609–14 **(Jpn)**

HISTORY

Biomedical engineering—a reappraisal. Perkins WJ. **J Biomed Eng** 1984 Apr;6(2):157–9

[50 years' medical research in Waldenburg] Stamm H. **Gesnerus** 1983;40(3–4):281–90 (Eng. Abstr.) **(Ger)**

[Brief history of the Japan Society of Medical Electronics and Biological Engineering] **Iyodenshi To Seitai Kogaku** 1982 Dec;20(7):486–98 **(Jpn)**

INSTRUMENTATION

Advantages of a simple contact switch for human locomotion. Patterson FR, et al. **Am J Phys Med** 1984 Feb; 63(1):11–7

A technique for the measurement of 'sucking' in bottle fed infants. Drake T, et al. **Clin Phys Physiol Meas** 1983 Aug; 4(3):343–5

Detection of fluid entry into the urethra by electric impedance measurement: electric fluid bridge test. Plevnik S, et al. **Clin Phys Physiol Meas** 1983 Aug;4(3):309–13

An introduction to medical lasers. Stamp JM. **Clin Phys Physiol Meas** 1983 Aug;4(3):267–90 (89 ref.)

New low–profile applicators for local heating of tissues. Johnson RH, et al. **IEEE Trans Biomed Eng** 1984 Jan; 31(1):28–37

A pressure distribution transducer for in–vitro static measurements in synovial joints. Ahmed AM. **J Biomech Eng** 1983 Aug;105(3):309–14

Pressure difference–flow rate variation in a femoral artery branch casting of man for steady flow. Cho YI, et al. **J Biomech Eng** 1983 Aug;105(3):258–62

The impedance of curved artery models. Kang SG, et al. **J Biomech Eng** 1983 Aug;105(3):275–82

A pulsed wire probe for the measurement of velocity and flow direction in slowly moving air. Olson DE, et al. **J Biomech Eng** 1984 Feb;106(1):72–8

Turbulent flows through a disk–type prosthetic heart valve. Yang WJ, et al. **J Biomech Eng** 1983 Aug;105(3):263–7

The lifting stress calculator. Bejjani FJ, et al. **J Biomed Eng** 1984 Jul;6(3):219–22

Infrared diameter gauge for in vitro mechanical testing of vascular grafts. How TV, et al. **J Biomed Eng** 1984 Jul; 6(3):195–9

Vibration analysis of human tibia: the effect of soft tissue on the output from skin–mounted accelerometers. Nokes L, et al. **J Biomed Eng** 1984 Jul;6(3):223–6

A solid–state instrument for measuring dynamic changes in the pupil of the human eye. Smith RE, et al. **J Biomed Eng** 1984 Jul;6(3):200–4

Microprocessors in anaesthesia and intensive care. Ball GJ. **J Med Eng Technol** 1983 Nov–Dec;7(6):303–7

First experimentation of the Spartacus telethesis in a clinical environment. Kwee HH, et al. **Paraplegia** 1983 Oct; 21(5):275–86

[Continuous registration of various ergonomic data during exertion] Vanwonterghem K. **Rev Inst Hyg Mines (Hasselt)** 1983;38(2):121–3 (Eng. Abstr.) **(Dut)**

[Muscle function test device for measuring forces in the region of the ankle joint] Beste KW. **Biomed Tech (Berlin)** 1983 Jul–Aug;28(7–8):168–73 (Eng. Abstr.) **(Ger)**

[Development of a walkway system to measure distance and temporal factors of gait and gait–analytical study through the system] Hirokawa S, et al. **Iyodenshi To Seitai Kogaku** 1983 Aug;21(4):233–40 (Eng. Abstr.) **(Jpn)**

[Composition of a linear phase digital filter using microprocessor Z–80 for biomedical measurement systems] Nakamura S, et al. **Iyodenshi To Seitai Kogaku** 1984 Apr; 22(2):110–6 (Eng. Abstr.) **(Jpn)**

[Safety and reliability of medical equipment and systems] Saito M. **Iyodenshi To Seitai Kogaku** 1982 Dec;20(7):557–8 **(Jpn)**

METHODS

Image reconstruction from incomplete projection data: iterative reconstruction–reprojection techniques. Heffernan PB, et al. **IEEE Trans Biomed Eng** 1983 Dec;30(12):838–41

[Image processing technics—focus on software. 1. Perspectives in biomedical image processing] Kuwahara M, et al. **Iyodenshi To Seitai Kogaku** 1983 Aug;21(4):266–73 (22 ref.) **(Jpn)**

BIOMEDICAL RESEARCH see **RESEARCH**

BIOMETRY

Regarding the misuse of t tests [letter] Schaefer CF. **Anesthesiology** 1984 May;60(5):505

The relation between score tests and approximate UMPU tests in exponential models common in biometry. Gart JJ, et al. **Biometrics** 1983 Sep;39(3):781–6

Kendall's tau with a blocking variable. Korn EL. **Biometrics** 1984 Mar;40(1):209–14

Quick and simple approximation of sample sizes for comparing two independent binomial distributions: different–sample–size case. Lee YJ. **Biometrics** 1984 Mar; 40(1):239–41

The appropriateness of analysis of variance and multiple–comparison procedures. O'Brien PC. **Biometrics** 1983 Sep;39(3):787–94

Coming to grips with statistics [editorial] Bellamy JE. **Can J Comp Med** 1983 Oct;47(4):385–6

A computer program for the statistical analysis of disease prevalence data from survival/sacrifice experiments. Mitchell TJ, et al. **Comput Programs Biomed** 1983 Aug–Oct;17(1–2):45–63

Physicians' views of the teaching and utility of courses in epidemiology and biostatistics. Krall JM, et al. **J Med Educ** 1983 Oct;58(10):815–7

Histomorphometry, methods and examples of application. Barrès DR, et al. **Methods Achiev Exp Pathol** 1984;11:58–72

Biostatistics articles needed [letter] Jacobs SE. **Pediatrics** 1984 Feb;73(2):263

The need for biostatistical education in veterinary medicine. Powers JD, et al. **Vet Res Commun** 1983 Dec;7(1–4):427–8

Introduction to biostatistics. An annotated bibliography for medical researchers. Sacks ST, et al. **West J Med** 1983 Nov;139(5):723–9

[Tomodensitometry of the humeral distal extremity. Morphologic and biometric study of the pillars] Le Floch–Prigent P. **Bull Assoc Anat (Nancy)** 1983 Mar; 67(196):127–40 (Eng. Abstr.) **(Fre)**

[Comparative studies on the density of teeth from the viewpoint of forensic medicine] Dufková J, et al. **Beitr Gerichtl Med** 1983;41:377–82 (Eng. Abstr.) **(Ger)**

[Diagnostic and prognostic tests—requirements from biostatistical viewpoint] Dannehl K, et al. **Gynakologe** 1983 Sep;16(3):177–87 **(Ger)**

[A graphic method of presenting measurement data] Eggenberger E, et al. **Schweiz Arch Tierheilkd** 1984 Apr; 126(4):199–205 (Eng. Abstr.) **(Ger)**

[Determination of the age of adult culicines using layers deposited in the thoracic apodemes] Navarro Ortega A, et al. **Rev Cubana Med Trop** 1983 May–Aug;35(2):153–8 (Eng. Abstr.) **(Spa)**

INSTRUMENTATION

Preparturient calf measurement [letter] Hindson JC. **Vet Rec** 1984 Feb 4;114(5):128

[Device for measuring rotatory movements of different divisions of the spine] Savchenko VK. **Revmatologiia (Moskva)** 1984 Apr–Jun;(2):52–3 **(Rus)**

METHODS

Significance of the t–test applied to ocular measures. Reading VM. **Am J Optom Physiol Opt** 1984 Feb;61(2):94–9

Biostatistical science as a discipline: a look into the future. Zelen M. **Biometrics** 1983 Dec;39(4):827–37

Morphometric investigations on endocrine glands. VI. Point counting in th thyroid gland. Löw O. **Exp Pathol** 1983; 24(1):35–41

A new biometrical procedure for testing the equality of measurements from two different analytical methods. Application of linear regression procedures for method comparison studies in clinical chemistry, Part I. Passing H, et al. **J Clin Chem Clin Biochem** 1983 Nov;21(11):709–20

A statistical method for biological shape comparisons. Bookstein FL. **J Theor Biol** 1984 Apr 7;107(3):475–520

Methods in laboratory investigation. Digital reversal and enhancement of negatives in video–based interactive morphometry. Silage DA, et al. **Lab Invest** 1984 Jul; 51(1):112–6

Bias in methods for deriving standardized morbidity ratio and attributable fraction estimates. Greenland S. **Stat Med** 1984 Apr–Jun;3(2):131–41

Factors affecting measurement of horses and ponies [editorial] **Vet Rec** 1984 May 19;114(20):485

Measurement of horses. Hickman J, et al. **Vet Rec** 1984 May 19;114(20):491–3

Joint measurement scheme [letter] Jones HL. **Vet Rec** 1984 Mar 10;114(10):251–2

BIOMPHALARIA

Ecological studies on Bulinus truncatus and Biomphalaria alexandrina in Zagazig, Egypt. Atia MM, et al. **J Egypt Soc Parasitol** 1984 Jun;14(1):245–50

A survey of planorbid mollusks in the Amazonian region of Brazil. Paraense WL. **Mem Inst Oswaldo Cruz** 1983 Jul–Sep;78(3):343–61

Chronic exposure of the eggs and adults of Biomphalaria glabrata (Say) to the molluscicide, nicotinanilide. Duncan J, et al. **Tropenmed Parasitol** 1983 Sep;34(3):184–6

The molluscicidal properties of Ambrosia maritima L. (Compositae). 2. Results from a field trial using dry plant material. el Sawy MF, et al. **Tropenmed Parasitol** 1984 Jun; 35(2):100–4

[Effect of calcium hydroxide as a molluscacide] Xavier PA, et al. **Rev Bras Malariol Doencas Trop** 1982;34:63–7 (Eng. Abstr.) **(Por)**

[Biological control: Helobdella triserialis lineata Blanchard, 1849 (Hirudinea: Glossiphonidae) on Biomphalaria glabrata Say, 1818 (Mollusca: Planorbidae), in the laboratory] Guimarães CT, et al. **Rev Saude Publica** 1983 Dec; 17(6):481–92 (Eng. Abstr.) **(Por)**

ANALYSIS

Isolation and characterization of a lectin from the snail Biomphalaria glabrata and a study of its combining site. Bretting H, et al. **Biochim Biophys Acta** 1983 Dec 12; 749(2):143–52

Determination of some trace elements in fresh water snails, intermediate hosts for schistosomiasis. Nabih I, et al. **Cell Mol Biol** 1984;30(2):133–5

ANATOMY & HISTOLOGY

Distinguishing Helisoma (Seminolina) duryi from Biomphalaria alexandrina in Egypt. Yousif F, et al. **J Egypt Soc Parasitol** 1983 Dec;13(2):465–73

[Cultivation and comparison of morphometric parameters of Biomphalaria glabrata and native species] Perera de Puga G, et al. **Rev Cubana Med Trop** 1983 May–Aug; 35(2):163–71 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Genetic studies on fresh water snails, specific intermediate hosts for schistosomiasis—VI. Effect of chemical mutation on histones of Biomphalaria alexandrina snails. Nabih I, et al. **Cell Mol Biol** 1984;30(1):23–5

GENETICS

Biochemical studies on the genetic material of fresh water snails, intermediate hosts of schistosomiasis—II. Effect of a chemical mutagen, cyclophosphamide, on the chemical nature of deoxyribonucleic acid. Nabih I, et al. **Cell Mol Biol** 1984;30(2):125–7

GROWTH & DEVELOPMENT

Equations for describing growth of the schistosome host snail Biomphalaria glabrata. Plorin GG, et al. **J Parasitol** 1984 Feb;70(1):43–7

[Biological control: Pomacea haustrum Reeve, 1856 (Mollusca, Pilidae) on planorbids, in the laboratory] Guimarães CT. **Rev Saude Publica** 1983 Apr;17(2):138–47 (Eng. Abstr.) **(Por)**

IMMUNOLOGY

Schistosoma mansoni: agglutination of sporocysts, and formation of gels on miracidia transforming in plasma of

Biomphalaria glabrata. Loker ES, et al. **Exp Parasitol** 1984 Aug;58(1):56–62

Schistosoma mansoni and Biomphalaria glabrata share epitopes: antibodies to sporocysts bind host snail hemocytes. Bayne CJ, et al. **J Invertebr Pathol** 1983 Sep; 42(2):221–3

Immunocytochemical localization of molluscan host-like antigenic determinants on the surfaces of adult Schistosoma mansoni. Devine DV, et al. **J Parasitol** 1984 Feb; 70(1):172–4

PARASITOLOGY

Studies on the epidemiology of schistosomiasis in Liberia: the prevalence and intensity of schistosomal infections in Bong County and the bionomics of the snail intermediate hosts. Dennis E, et al. **Acta Trop (Basel)** 1983 Sep; 40(3):205–29

An ultrastructural study of the effect of parasitism by larval Schistosoma mansoni on the calcium reserves of the host, Biomphalaria glabrata. Davies TW, et al. **Cell Tissue Res** 1984;236(3):643–9

Schistosoma mansoni: long-term maintenance of clones by microsurgical transplantation of sporocysts. Cohen LM, et al. **Exp Parasitol** 1984 Feb;57(1):15–9

An ultrastructural study on ventricular encapsulation reactions in Biomphalaria glabrata exposed to irradiated echinostome parasites. Jeong KH, et al. **Int J Parasitol** 1984 Apr;14(2):127–33

Lysosomal enzyme activities in susceptible and refractory strains of Biomphalaria glabrata during the course of infection with Schistosoma mansoni. Granath WO Jr, et al. **J Parasitol** 1983 Dec;69(6):1018–26

Altered feeding response as a cause for the altered heartbeat rate and locomotor activity of Schistosoma mansoni-infected biomphalaria glabrata. Williams CL, et al. **J Parasitol** 1983 Aug;69(4):671–6

Effects of alterations in the heartbeat rate and locomotor activity of Schistosoma mansoni-infected Biomphalaria glabrata on cercarial emergence. Williams CL, et al. **J Parasitol** 1983 Aug;69(4):677–81

Experimental studies of age-prevalence curves for Schistosoma mansoni infections in populations of Biomphalaria glabrata. Anderson RM, et al. **Parasitology** 1984 Aug;89 (Pt 1):79–105

Control of schistosomiasis in Adwa, Ethiopia, using the plant molluscicide endod (Phytolacca dodecandra). Goll PH, et al. **Tropenmed Parasitol** 1983 Sep;34(3):177–83

Effects of temperature on the larval development of Angiostrongylus cantonensis in the intermediate host, Biomphalaria glabrata. Ishii AI. **Z Parasitenkd** 1984; 70(3):375–9

[Effects of hyperinfestations by Echinostoma togoensis Jourdane and Kulo, 1981 on growth and survival of Biomphalaria pfeifferi snails] Jourdane J. **Ann Parasitol Hum Comp** 1983;58(2):103–8 (Eng. Abstr.) **(Fre)**

[Experimental schistosomiasis III. Observations on the infestation of Biomphalaria glabrata by a miracidium of Schistosoma mansoni] Lancastre F, et al. **Ann Parasitol Hum Comp** 1984;59(1):79–94 (Eng. Abstr.) **(Fre)**

[Potential of the Biomphalaria straminea populations of the State of Minas Gerais as hosts of Schistosoma mansoni] de Souza CP, et al. **Mem Inst Oswaldo Cruz** 1983 Jul–Sep; 78(3):251–6 (Eng. Abstr.) **(Por)**

[Experimental infection of Biomphalaria glabrata with Schistosoma mansoni by the injection of miracidia] Pereira de Souza C, et al. **Rev Bras Biol** 1983 May;43(2):211–3 (Eng. Abstr.) **(Por)**

[Susceptibility of Biomphalaria tenagophila from Belo Horizonte and vicinities to infection with 3 strains of Schistosoma mansoni] de Souza CP, et al. **Rev Inst Med Trop Sao Paulo** 1983 Jul–Aug;25(4):168–72 (Eng. Abstr.) **(Por)**

[Epidemiological importance of wild animals in schistosomiasis mansoni] Kawazoe U, et al. **Rev Saude Publica** 1983 Oct;17(5):345–66 (Eng. Abstr.) **(Por)**

[Method for the individual maintenance of mollusks infected with Schistosoma larvae in a thermostatic apparatus] Zelia OP, et al. **Parazitologiia** 1983 Sep–Oct;17(5):412–5 (10 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Chemical chelation reactions in fresh water snails, intermediate hosts for schistosomiasis. Nabih I, et al. **Cell Mol Biol** 1984;30(2):129–32

Purine metabolism in Biomphalaria glabrata under starvation and infection with Schistosoma mansoni. Becker W. **Comp Biochem Physiol [B]** 1983;76(2):215–9

The influence of fluctuating above-optimal temperature regimes on the fecundity of Biomphalaria pfeifferi (Mollusca: Planorbidae). Appleton CC, et al. **Trans R Soc Trop Med Hyg** 1984;78(1):49–54

[Effect of metallic magnesium and various magnesium salts on the oviposition of Biomphalaria glabrata (Say, 1818)] Mendes NM, et al. **Rev Saude Publica** 1983 Dec; 17(6):476–80 (Eng. Abstr.) **(Por)**

RADIATION EFFECTS

Genetic studies on fresh water snails, specific intermediate hosts for schistosomiasis—VII. Effect of gamma radiation as a physical mutagen on histones in Biomphalaria alexandrina snails. Nabih I, et al. **Cell Mol Biol** 1984; 30(1):27–31

Biochemical studies on the genetic material of fresh water snails, intermediate hosts of schistosomiasis—I. Effect of ultraviolet radiation as physical mutagen on the chemical nature of deoxyribonucleic acid. Nabih I, et al. **Cell Mol Biol** 1984;30(1):33–6

BIONICS

see related

CYBERNETICS

[Bionics] Fujii K, et al. **Iyodenshi To Seitai Kogaku** 1982 Dec; 20(7):561–2 **(Jpn)**

[Chemical bionics—a new principle of conjugated antigen synthesis for the production of antibodies to low-molecular chemical compounds] Polevaia OIu, et al. **Dokl Akad Nauk SSSR** 1983;271(2):473–7 **(Rus)**

BIONOMICS see **ECOLOGY**

BIOPHARMACEUTICS

[Proposal for a new method of classifying biopharmaceutical factors] Záček H, et al. **Cesk Farm** 1984 Mar;33(2):79–82 **(Cze)**

[Biopharmacy—does it concern clinical medicine? Peroral depot preparations] Nielsen GH, et al. **Ugeskr Laeger** 1984 Mar 19;146(12):896–9 **(Dan)**

[Drugs and the organism (V). Biopharmaceutic models and in vivo/in vitro correlation] Pflegel P. **Pharmazie** 1983 Oct; 38(10):671–8 **(Ger)**

[Biopharmaceutics, biodisposibility, bioequivalency] Cingolani E. **Ann Ist Super Sanita** 1982;18(3):531–2 **(Ita)**

[Biopharmaceutics and drug formulation] Riccieri FM. **Ann Ist Super Sanita** 1982;18(3):541–6 **(Ita)**

BIOPHYSICS

Abstracts: 12th meeting of the Hungarian Biophysical Society. 24–26 August, 1983, Budapest. **Acta Biochim Biophys Acad Sci Hung** 1983;18(1–2):1–127

1983 index issue. Cumulative indexes for Volumes 110–117. **Biochem Biophys Res Commun** 1983;110–117:v–lxvi, 1–150

Cumulative subject index issue. Index for volumes 74–103, 1977–1981. **Biochem Biophys Res Commun** 1977–81; 74–103:1–298

Biophysical Society: Program and abstracts, twenty-eighth annual meeting, February 19–24, 1984, San Antonio, Texas. **Biophys J** 1984 Feb;45(2 Pt 2):1a–404a

Proceedings of the 7th congress of the Sociedade Brasileira de Biofisica. December 15–17, 1982, Rio de Janeiro. Abstracts. **Braz J Med Biol Res** 1983;16(5–6):391–437

Proceedings of the 8th congress of the Sociedade Brasileira de Biofisica. December 14–16, 1983, Rio de Janeiro. Abstracts. **Braz J Med Biol Res** 1983;16(5–6):533–67

BIOBELL—a simulation system for biochemistry and biophysics. Stevenson DE, et al. **Comput Biol Med** 1984; 14(1):35–46

Mechanical biocompatibility in transplantation [letter] Corsini F, et al. **Int J Artif Organs** 1984 May;7(3):167

[Cooperative phenomena in biology] Tamarit Torres J. **An R Acad Nac Med (Madr)** 1983;100(2):213–42 **(Spa)**

EDUCATION

[The character of Dr. Viktor Teissler and the first 15 years of the existence of the Institute of Medical Physics at Comenius University in Bratislava] Kukurová E, et al. **Bratisl Lek Listy** 1983 Dec;80(6):725–30 **(Slo)**

HISTORY

In memoriam—Freeman Widener Cope—1930–1982. Damadian R. **Physiol Chem Phys** 1982;14(5):411–4

The Johnson Foundation for Medical Physics. The first Department of Medical Physics and Biophysics. Cooper DY. **Trans Stud Coll Physicians Phila** 1984 Jun;6(2):113–24

[The role of the Biophysics Institute of the Czechoslovak Academy of Science at the beginning of biophysics research in Czechoslovakia] Hradečná Z. **Bratisl Lek Listy** 1984 Jan;81(1):106–8 **(Cze)**

[Historical circumstances surrounding the establishment of the Institute of Medical Physics] Tichý M, et al. **Bratisl Lek Listy** 1984 Feb;81(2):235–9 **(Slo)**

INSTRUMENTATION

Measurement of the quality of hand contractions. Duym BW, et al. **Med Biol Eng Comput** 1984 May;22(3):245–50

Electronic rotameter for quantitative evaluation of rotational behaviour in rats after unilateral lesions of the nigrostriatal dopamine system. Kehinde LO, et al. **Med Biol Eng Comput** 1984 Jul;22(4):361–6

Computer-controlled manipulator/display system for human-movement studies. Ruitenbeek JC, et al. **Med Biol Eng Comput** 1984 Jul;22(4):304–8

[A simple device, using a microprocessor, to record the circadian locomotor activity of animals] Benneton M, et al. **Med Biol Eng Comput** 1984 Jul;22(4):382–4 **(Fre)**

METHODS

Interpolation in computing forward projections in direct three-dimensional reconstruction. Harauz G, et al. **Phys Med Biol** 1983 Dec;28(12):1419–27

TRENDS

Is biology now part of physics? [news] Maddox J. **Nature** 1983 Nov 24–30;306(5941):311

[Medical aspects of the problem of physico-chemical biology and biotechnology] Dziublik RF, et al. **Vrach Delo** 1984 Jun;(6):81–2 (Eng. Abstr.) **(Rus)**

BIOPOLYMERS see under **MACROMOLECULAR SYSTEMS**

BIOPROSTHESIS

Hyperbasophilia following heart valve xenograft implantation. Kovács GS, et al. **Acta Chir Hung** 1983; 24(4):261–77

Artificial spermatocele inserted onto the vas deferens: a clinical report. Colpi GM, et al. **Acta Eur Fertil** 1983 May–Jun;14(3):203–8

Echocardiography of porcine aortic prosthesis with flail leaflets due to degeneration and calcification. Bansal RC, et al. **Am Heart J** 1984 Mar;107(3):591–3

Multiple systolic clicks and echographic coarse systolic fluttering with porcine valve malfunction. Szkopiec RL, et al. **Am Heart J** 1984 Apr;107(4):794–6

Formaldehyde- versus glutaraldehyde-processed porcine bioprostheses in the aortic valve position: long-term follow-up. Bortolotti U, et al. **Am J Cardiol** 1984 Sep 1; 54(6):681–2

Comparison of late (62 to 140 months) degenerative changes in simultaneously implanted and explanted porcine (Hancock) bioprostheses in the tricuspid and mitral valve positions in six patients. Cohen SR, et al. **Am J Cardiol** 1984 Jun 1;53(11):1599–602

Degeneration in porcine bioprosthetic cardiac valves: incidence of primary tissue failures among 938 bioprostheses at risk. Gallo I, et al. **Am J Cardiol** 1984 Apr 1;53(8):1061–5

Isolated mitral valve replacement with the Hancock porcine bioprosthesis in rheumatic heart disease: analysis of 213 operative survivors followed up 4.5 to 8.5 years. Gallo I, et al. **Am J Cardiol** 1984 Jan 1;53(1):178–81

Doppler echocardiographic diagnosis of porcine bioprosthetic cardiac valve malfunction. Gross CM, et al. **Am J Cardiol** 1984 Apr 1;53(8):1203–5

Bacterial associated porcine heterograft heart valve calcification. Knight JP, et al. **Am J Cardiol** 1984 Jan 15; 53(2):370–2

Platelet adherence to bioprosthetic cardiac valves. Magilligan DJ Jr, et al. **Am J Cardiol** 1984 Mar 15;53(7):945–9

Frequency spectra of the first heart sound and of the aortic component of the second heart sound in patients with degenerated porcine bioprosthetic valves. Stein PD, et al. **Am J Cardiol** 1984 Feb 1;53(4):557–61

Postoperative assessment of porcine-valved right ventricular-pulmonary artery conduits. Vergesslich KA, et al. **Am J Cardiol** 1984 Jan 1;53(1):202–5

Molded tympanic heterografts. Histologic evaluation. Gamoletti R, et al. **Ann Otol Rhinol Laryngol** 1984 Mar-Apr;93(2 Pt 1):132–5

The use of stabilized human umbilical vein for femoropopliteal bypass. Experience with 133 operations with 5-year follow-up. Hirsch SA, et al. **Ann Surg** 1984 Aug;200(2):147–52

LA–LV bypass for mitral stenosis [letter] Alvarez JR. **Ann Thorac Surg** 1984 Jul;38(1):90–1

Performance of glutaraldehyde-preserved porcine bioprosthesis as a mitral valve substitute in a young population group. Antunes MJ, et al. **Ann Thorac Surg** 1984 May;37(5):387–92

Interposition of a composite venous autograft for the treatment of a ruptured left brachiocephalic vein. de Boer WJ, et al. **Ann Thorac Surg** 1983 Nov;36(5):607–8

The Meadox unicusp pericardial bioprosthetic heart valve: new concept. Gabbay S, et al. **Ann Thorac Surg** 1984 Jun; 37(6):448–56

Posterior enlargement of the small annulus during aortic valve replacement versus implantation of a small prosthesis. Pugliese P, et al. **Ann Thorac Surg** 1984 Jul;38(1):31–6

Reconstruction of right ventricular outflow and pulmonary artery with a composite pericardial monocusp patch: an experimental study. Revuelta JM, et al. **Ann Thorac Surg** 1984 Feb;37(2):150–3

Recent advances in heart valve surgery. DeWall RA. **Arq Bras Cardiol** 1983 Dec;41(6):463–8 (38 ref.)

In vitro fluid dynamic characteristics of Ionescu-Shiley and Carpentier-Edwards tissue bioprostheses. Yoganathan AP, et al. **Artif Organs** 1983 Nov;7(4):459–69

Morphology and morphogenesis of implanted valve-containing prostheses of the pulmonary trunk for surgical correction of complex congenital heart diseases. Jaroshinsky JuN, et al. **Biomaterials** 1984 May;5(3):180–2

Echocardiographic features of bioprosthetic valve endocarditis. Nagata S, et al. **Br Heart J** 1984 Mar; 51(3):263–6

Late results of mitral valve replacement using unstented antibiotic sterilised aortic homografts. Qureshi SA, et al.

Br Heart J 1983 Dec;50(6):564–9

The mechanical properties of glutaraldehyde stabilized human umbilical vein measured in vivo. Chapman BL, et al. **Br J Surg** 1983 Sep;70(9):530–1

Comparative evaluation of mitral valve repair and replacement with Starr, Björk, and porcine valve prostheses. Perier P, et al. **Circulation** 1984 Sep;70(3 Pt 2):I187–92

Healing of biodegradable vascular prosthesis. Incorporation of 3H–valine into proteins in the subendothelial scar and host intima–media of rat aorta. Moczar M, et al. **Connect Tissue Res** 1983;12(1):33–42

The patient after cardiac valve surgery—risks and complications. Parker DJ. **Eur Heart J** 1984 Mar;5 Suppl A:141–5 (30 ref.)

Heparinized human umbilical vein grafts. Delayed heparin desorption after alcohol treatment. Esquivel CO, et al. **Eur Surg Res** 1983;15(6):289–96

Comments on 'Pole–zero modeling and classification of phonocardiograms'. BeMent SL, et al. **IEEE Trans Biomed Eng** 1984 Jun;31(6):473–4

The porcine heterograft cardiac valve for mitral valve replacement. Singh SV, et al. **Indian Heart J** 1983 Nov–Dec;35(6):350–4

Normally and abnormally functioning left-sided porcine bioprosthetic valves after long–term implantation in patients: distinct spectra of histologic and histochemical changes. Goffin YA, et al. **J Am Coll Cardiol** 1984 Aug; 4(2):324–32

Bileaflet, tilting disc and porcine aortic valve substitutes: in vivo hydrodynamic characteristics. Gray RJ, et al. **J Am Coll Cardiol** 1984 Feb;3(2 Pt 1):321–7

Bileaflet, tilting disc and porcine aortic valve substitutes: in vitro hydrodynamic characteristics. Yoganathan AP, et al. **J Am Coll Cardiol** 1984 Feb;3(2 Pt 1):313–20

Wall shear stress during pulsatile flow distal to a normal porcine aortic valve. Walburn FJ, et al. **J Biomech** 1984; 17(2):97–102

The glutaraldehyde–stabilized porcine aortic valve xenograft. II. Effect of fixation with or without pressure on the tensile viscoelastic properties of the leaflet material. Lee JM, et al. **J Biomed Mater Res** 1984 Jan;18(1):79–98

The glutaraldehyde–stabilized porcine aortic valve xenograft. I. Tensile viscoelastic properties of the fresh leaflet material. Lee JM, et al. **J Biomed Mater Res** 1984 Jan; 18(1):61–77

The Biograft for femoropopliteal bypass. Boontje AH. **J Cardiovasc Surg (Torino)** 1983 Sep–Oct;24(5):497–502

Surgical correction of Ebstein's anomaly by tricuspid valve replacement and its late problems. Nawa S, et al. **J Cardiovasc Surg (Torino)** 1984 Mar–Apr;25(2):142–6

Late results with Dardik–biograft in peripheral arterial surgery. Raithel D, et al. **J Cardiovasc Surg (Torino)** 1984 May–Jun;25(3):222–4

The Ionescu–Shiley pericardial bioprostheses in the aortic position. A 5–year perspective. Revuelta JM, et al. **J Cardiovasc Surg (Torino)** 1984 May–Jun;25(3):199–204

Repair of aortic root aneurysms with associated aortic valve insufficiency. Bowling R, et al. **J Ky Med Assoc** 1984 Mar; 82(3):127–30

Ossicular reconstruction—a new prosthesis. Kirtane MV, et al. **J Laryngol Otol** 1984 May;98(5):445–8

Use of porcine dermis as a dural substitute in 72 patients. O'Neill P, et al. **J Neurosurg** 1984 Aug;61(2):351–4

Human umbilical artery for microvascular grafting. Experimental study in the rat. Yeh HS, et al. **J Neurosurg** 1984 Oct;61(4):737–42

Microscopic study of normal parietal pericardium and unimplanted Puig–Zerbini pericardial valvular heterografts. Allen DJ, et al. **J Thorac Cardiovasc Surg** 1984 Jun;87(6):845–55

Left ventricle–aortic conduits in pediatric patients. DiDonato RM, et al. **J Thorac Cardiovasc Surg** 1984 Jul;88(1):82–91

Valved and nonvalved right ventricular—pulmonary arterial extracardiac conduits. An experimental comparison. Fiore AC, et al. **J Thorac Cardiovasc Surg** 1983 Oct;86(4):490–7

Five– to eight–year follow–up of patients with the Hancock cardiac bioprosthesis. Gallo I, et al. **J Thorac Cardiovasc Surg** 1983 Dec;86(6):897–902

The risk of thromboembolism and hemorrhage following mitral valve replacement. A comparative analysis between the porcine xenograft valve and Ionescu–Shiley bovine pericardial valve. Gonzalez–Lavin L, et al. **J Thorac Cardiovasc Surg** 1984 Mar;87(3):340–51

Open–position fixation of bioprostheses for more physiological performance. Fluoroscopic observations of leaflet movements in vivo. Imamura E, et al. **J Thorac Cardiovasc Surg** 1984 Jul;88(1):114–21

Five–year evaluation of the Carpentier–Edwards porcine bioprosthesis. Jamieson WR, et al. **J Thorac Cardiovasc Surg** 1984 Sep;88(3):324–33 (42 ref.)

Comparison of porcine valve xenografts with mechanical prostheses. A 7 1/2 year experience. Joyce LD, et al. **J Thorac Cardiovasc Surg** 1984 Jul;88(1):102–13

The Ionescu–Shiley valve: a solution for the small aortic root. Revuelta JM, et al. **J Thorac Cardiovasc Surg** 1984 Aug; 88(2):234–7

The Hancock external valved conduit. A dichotomy between late clinical results and late cardiac catheterization findings. Stewart S, et al. **J Thorac Cardiovasc Surg** 1983 Oct; 86(4):562–9

Determining the specific etiology of a new mitral bioprosthetic murmur using echo–phonocardiography. Plehn JF, et al. **JCU** 1984 Feb;12(2):105–7

Phonocardiographic profile of the porcine bioprosthesis in the aortic position. Raizada V, et al. **Jpn Heart J** 1983 Jul;24(4):581–6

Whipple's disease in the porcine leaflets of a Carpentier–Edwards prosthetic mitral valve. Ratliff NB, et al. **N Engl J Med** 1984 Oct 4;311(14):902–3

Avoiding compression of extracardiac valved conduits. Dunn JM, et al. **Pediatr Cardiol** 1983 Jul–Sep;4(3):235–8

Prosthetic heart valves: a review. McClung JA, et al. **Prog Cardiovasc Dis** 1983 Nov–Dec;26(3):237–70 (267 ref.)

Pregnancy in patients with prosthetic cardiac valves. Guidozzi F. **S Afr Med J** 1984 Jun 16;65(24):961–3

A morphologic overview of the porcine bioprosthetic valve—before and after its degeneration. Riddle JM, et al. **Scan Electron Microsc** 1984;(Pt 1):207–14

A hemodynamic study of the Carpentier–Edwards and Hancock porcine xenografts in the mitral position. Rasmussen K, et al. **Scand J Thorac Cardiovasc Surg** 1984; 18(1):37–40

Clinical experience with porcine xenografts in the mitral position. Vejlsted H, et al. **Scand J Thorac Cardiovasc Surg** 1984;18(1):33–6

Clinical experience with the Carpentier–Edwards porcine bioprosthesis: short–term results (from 2 to 4.5 years). Gallo I, et al. **Thorac Cardiovasc Surg** 1983 Oct;31(5):277–81

Experimental atrioventricular bioprosthetic valve insertion: a simple and successful technique. Gallo I, et al. **Thorac Cardiovasc Surg** 1983 Oct;31(5):288–90

Mitral valve replacement with preservation of papillary muscles and chordae tendineae – revival of a seemingly forgotten concept. I. Preliminary clinical report. Hetzer R, et al. **Thorac Cardiovasc Surg** 1983 Oct;31(5):291–6

Relapsing polychondritis with glomerulonephritis and severe aortic insufficiency surgically treated with success. Mestres CA, et al. **Thorac Cardiovasc Surg** 1983 Oct;31(5):307–9

Biogenic grafts in arterial surgery—long–term results (I. The homologous vein—II. The modified heterologous bovine carotid artery—III. The human umbilical vein). Sciacca V, et al. **Thorac Cardiovasc Surg** 1984 Jun;32(3):157–64

Aspergillus niger endocarditis complicating aortic tissue valve replacement. Moore RS, et al. **Thorax** 1984 Jan; 39(1):76–7

A study of the possible role of mesothelium as a surface for flowing blood. Clarke JM, et al. **Thromb Haemost** 1984 Feb 28;51(1):57–60

Q fever endocarditis. Gallagher JG, et al. **West J Med** 1984 Jun;140(6):943–5

The Dardik biograft in reconstructive arterial surgery: report on a five–year experience in 94 cases. Raithel D, et al. **World J Surg** 1984 Feb;8(1):113–7

[Experimental and clinical studies on the antigenicity of glutaraldehyde–treated porcine aortic valves] Ma ZL. **Chung Hua I Hsueh Tsa Chih** 1984 Jan;64(1):33–5 (Eng. Abstr.) **(Chi)**

[Studies on specially–made bio–membrane for the repair of dural defects and its clinical application] Xu BZ. **Chung Hua I Hsueh Tsa Chih** 1983 Oct;63(10):618–20 (Eng. Abstr.) **(Chi)**

[Heterologous heart valves in the mitral ostium] Vejlsted H, et al. **Ugeskr Laeger** 1983 Jul 25;145(30):2292–6 (Eng. Abstr.) **(Dan)**

[Long–term results of heterografts in the mitral position] Ben Ismail M, et al. **Arch Mal Coeur** 1984 Feb;77(2):180–8 (Eng. Abstr.) **(Fre)**

[Indication for and the future of valvular bioprosthesis] Leroy G, et al. **Arch Mal Coeur** 1983 Dec;76(12):1475–80 (Eng. Abstr.) **(Fre)**

[Aortic valve replacement by bioprosthesis with enlargement of the aortic ring] Lessana A, et al. **Arch Mal Coeur** 1984 Mar;77(3):324–9 (Eng. Abstr.) **(Fre)**

[Mitral valve replacement with bioprosthesis in children] Mostefa–Kara M, et al. **Arch Mal Coeur** 1984 Feb; 77(2):161–6 (Eng. Abstr.) **(Fre)**

[Experimental study of a biological micro–arterial prosthesis] Loisance D, et al. **J Chir (Paris)** 1984 May;121(5):355–8 (Eng. Abstr.) **(Fre)**

[Bovine spiral xenograft as a vascular access for hemodialysis] Maass D, et al. **Helv Chir Acta** 1984 Apr;51(1):105–14 (Eng. Abstr.) **(Ger)**

[Vascular replacement of small caliber arteries—a new bovine collagen prosthesis] Erasmi H, et al. **Langenbecks Arch Chir** 1983;360(2):97–107 (Eng. Abstr.) **(Ger)**

[Reintervention in patients with a Hancock prosthesis in mitral and aortic sites] Milano A, et al. **Boll Soc Ital Cardiol** 1982;27(7):669–73 **(Ita)**

[Effect of the degree of anticoagulation on the plasma levels of beta–thromboglobulin in patients with heart valve prostheses treated with warfarin] Russo R, et al. **Minerva Cardioangiol** 1984 Jun;32(6):387–91 (Eng. Abstr.) **(Ita)**

[Left ventricular pseudoaneurysm following mitral valve replacement] Nishiwaki N, et al. **Kyobu Geka** 1983 Sep; 36(9):740–4 (Eng. Abstr.) **(Jpn)**

[Heart valve replacement with the Ionescu–Shiley bovine pericardial xenograft. Hemodynamic evaluation and early clinical follow–up of 170 patients] Fujii N, et al. **Nippon Geka Gakkai Zasshi** 1983 May;84(5):379–86 (Eng. Abstr.) **(Jpn)**

[Preserved human umbilical cord vessel as a small caliber vascular substitute: experimental and clinical study] Sasajima T. **Nippon Geka Gakkai Zasshi** 1984 Jan; 85(1):65–76 (Eng. Abstr.) **(Jpn)**

[Long–term results after mitral valve replacement with porcine bioprosthesis] Kazui T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Jun;31(6):882–9 (Eng. Abstr.) **(Jpn)**

[Mitral valve replacement with prosthesis with hydrodynamic characteristics] Maeta H, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Jul;31(7):1084–90 (Eng. Abstr.) **(Jpn)**

[Is valved conduit necessary for Fontan's operation?] Arai T. **Rinsho Kyobu Geka** 1984 Mar;4(2):243–4 (Eng. Abstr.) **(Jpn)**

[Case of tetralogy of Fallot associated with rudimentary pulmonary valve—intracardiac repair with pulmonary valve insertion] Hoshino S, et al. **Rinsho Kyobu Geka** 1983 Nov;3(6):741–6 (Eng. Abstr.) **(Jpn)**

[Clinical experience with bovine pericardial bioprosthesis] Abdulmassih Neto C, et al. **Arq Bras Cardiol** 1983 Oct; 41(4):265–70 (Eng. Abstr.) **(Por)**

[Hemodynamic evaluation of the Biocor heterologous prosthesis] Barbosa MR, et al. **Arq Bras Cardiol** 1984 Feb; 42(2):123–8 (Eng. Abstr.) **(Por)**

[Late evaluation of dura mater bioprostheses in tricuspid position] Borzellino DA, et al. **Arq Bras Cardiol** 1983 Nov; 41(5):369–71 (Eng. Abstr.) **(Por)**

[Enlargement of the aortic root with a bovine pericardial patch preserved in glutaraldehyde] Braile DM, et al. **Arq Bras Cardiol** 1983 Oct;41(4):289–96 (Eng. Abstr.) **(Por)**

[Aortic valve replacement in acute infectious endocarditis] Kalil RA, et al. **Arq Bras Cardiol** 1983 Apr;40(4):259–62 (Eng. Abstr.) **(Por)**

[Late evaluation of patients with the heterologous Lifemed prosthesis. Cooperative study] Luchese F, et al. **Arq Bras Cardiol** 1983 Oct;41(4):261–4 (Eng. Abstr.) **(Por)**

[Infective Listeria monocytogenes endocarditis in a valve prosthesis. Report of a case] Póvoa R, et al. **Arq Bras Cardiol** 1984 Jan;42(1):45–7 (Eng. Abstr.) **(Por)**

[Clinical and hemodynamic results of the Biocor bioprosthesis. Preliminary cooperative study] Vrandecic MO. **Arq Bras Cardiol** 1983 Oct;41(4):255–60 (Eng. Abstr.) **(Por)**

[Aortic valve replacement with bovine pericardium bioprosthesis] Puig LB, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1983 Mar–Apr; 38(2):73–9 (Eng. Abstr.) **(Por)**

[Second set method for determining the immunogenicity of heart valves] Krasovskaia SM, et al. **Biull Eksp Biol Med** 1983 Oct;96(10):121–5 (Eng. Abstr.) **(Rus)**

[Means of improving the hydrodynamic characteristics of an aortic valve xenobioprosthesis] Barbarash LS, et al. **Grudn Khir** 1984 Mar–Apr;(2):35–40 (Eng. Abstr.) **(Rus)**

[Experimental study and first experience with the clinical use of modified reinforced arterial xenografts] Dronov AF, et al. **Khirurgiia (Mosk)** 1983 Dec;(12):99–104 **(Rus)**

[Errors and complications in using the BAKS mitral valve bioprosthesis] Dzemeshkevich SL. **Khirurgiia (Mosk)** 1983 Oct;(10):116–9 **(Rus)**

[Oil fillers in plastic surgery of the breast] Vishnevskiĭ AA, et al. **Khirurgiia (Mosk)** 1983 Nov;(11):124–7 **(Rus)**

[Functional characteristics of flexible supporting structures for heart valve bioprosthesis] Dobrova NB, et al. **Med Tekh** 1984 Mar–Apr;(2):21–7 (Eng. Abstr.) **(Rus)**

[Remote results of the correction of mitral valve defects with aortic xenobioprosthesis] Tsukerman GI, et al. **Vestn Khir** 1984 Jan;132(1):9–17 (Eng. Abstr.) **(Rus)**

[Ossicular prosthesis in functional surgery of the ear (proplast, plastipore and ceramics). Clinical and audiometric results apropos of 214 cases] Portmann M, et al. **An Otorrinolaringol Ibero Am** 1984;11(2):127–34 (Eng. Abstr.) **(Spa)**

[Bypass to the 3d portion of the popliteal artery and the distal arteries using a Dardik bioprosthesis] Martínez Pérez M, et al. **Angiologia** 1983 Nov–Dec;35(6):243–50 (Eng. Abstr.) **(Spa)**

[Long–term (8 years) follow–up study of 204 bioprostheses] Ortiz de Murua JA, et al. **Arch Inst Cardiol Mex** 1984 May–Jun;54(3):245–51 (Eng. Abstr.) **(Spa)**

[Total prosthesis obstruction and survival by periprosthetic leakage (letter)] Rubio Alvarez J, et al. **Med Clin (Barc)** 1983 May 21;80(18):816–7 **(Spa)**

[Primary valve failure in porcine glutaraldehyde–treated bioprosthesis] Gallo JI, et al. **Rev Esp Cardiol** 1984 Mar–Apr;37(2):123–8 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Perforation of muscle shelf of right coronary cusp causing acute regurgitation of porcine mitral xenograft. Valente M, et al. **Am Heart J** 1984 Jul;108(1):180–3

Modification by the Hancock T6 process of calcification of bioprosthetic cardiac valves implanted in sheep. Arbustini E, et al. **Am J Cardiol** 1984 May 1;53(9):1388–96

Calcific degeneration as the main cause of porcine bioprosthetic valve failure. Milano A, et al. **Am J Cardiol** 1984 Apr 1;53(8):1066–70

Biodegradation and aneurysm formation in umbilical vein grafts. Observations and a realistic strategy. Dardik H, et

al. **Ann Surg** 1984 Jan;199(1):61–8

Prevention of thromboembolism using aspirin after mitral valve replacement with porcine bioprosthesis. Nuñez L, et al. **Ann Thorac Surg** 1984 Jan;37(1):84–7

Late tears in leaflets of porcine bioprostheses in adults. Pomar JL, et al. **Ann Thorac Surg** 1984 Jan;37(1):78–83

Techniques for prevention of calcification of valvular bioprostheses. Carpentier A, et al. **Circulation** 1984 Sep;70(3 Pt 2):I165–8

Bioprostheses: thromboembolic events in prosthetic valves. Working Group of the European Society of Cardiology on the Evaluation of Prosthetic Valves. 15–16 December, 1983, Paris, France. Abstracts. **Eur Heart J** 1983 Dec;4 Suppl 1:1–32

Two-dimensional echocardiographic assessment of complications involving the Ionescu-Shiley pericardial valve in the mitral position. Solana LG, et al. **J Am Coll Cardiol** 1984 Feb;3(2 Pt 1):328–33

Evaluation of bioprosthetic mitral valve failure. Ramsay A. **J Fam Pract** 1984 Jun;18(6):879–82

Thromboembolism and bleeding after mitral valve replacement with porcine valves: influence of thromboembolic risk factors. Gonzalez-Lavin L, et al. **J Surg Res** 1984 May;36(5):508–15

Calcification of implanted xenograft pericardium. Influence of site and function. Gabbay S, et al. **J Thorac Cardiovasc Surg** 1984 May;87(5):782–7

Fatigue-induced failure of the Ionescu-Shiley pericardial xenograft in the mitral position. In vivo and in vitro correlation and a proposed classification. Gabbay S, et al. **J Thorac Cardiovasc Surg** 1984 Jun;87(6):836–44

Early experience with the ionescu-shiley pericardial xenograft valve. Accelerated calcification in children. Walker WE, et al. **J Thorac Cardiovasc Surg** 1983 Oct; 86(4):570–5

Fungal endocarditis caused by Arnium leporinum following cardiac surgery. Restrepo A, et al. **Sabouraudia** 1984; 22(3):225–34

[Two-dimensional echo-cardiographic study on left atrial thrombi in patients with a mitral prosthetic valve] Tsuyuguchi N, et al. **J Cardiogr** 1983 Dec;13(4):923–33 (Eng. Abstr.) **(Jpn)**

[Calcification in dura mater bioprostheses] Franca Neto L, et al. **AMB** 1984 Mar-Apr;30(3–4):53–6 (Eng. Abstr.) **(Por)**

[Autovibration of a circular locking element of the aortic valve prosthesis] Uglov FG, et al. **Med Tekh** 1984 Mar-Apr;(2):19–21 (Eng. Abstr.) **(Rus)**

[Brucellar bioprosthesic endocarditis: cure by medical treatment (letter)] Rubio Alvarez J, et al. **Med Clin (Barc)** 1983 Dec 3;81(18):829–30 **(Spa)**

[Early rupture of a xenograft bioprosthesis. Our experience in 26 implantations] López González CL, et al. **Rev Esp Cardiol** 1983;36(4):309–12 (Eng. Abstr.) **(Spa)**

[Isolated aortic valve replacement with a bioprosthesis. Results after an 8-years follow-up] Zueco J, et al. **Rev Esp Cardiol** 1984 Mar-Apr;37(2):117–22 (Eng. Abstr.) **(Spa)**

METHODS

Ossiculoplasty - experience with a new prosthesis. Pettigrew AM. **Adv Otorhinolaryngol** 1983;31:224–7

MORTALITY

Valve surgery in patients over the age of sixty-five. Mathisen DJ, et al. **Thorac Cardiovasc Surg** 1983 Aug;31(4):215–8

Six years clinical experience with dura mater cardiac valves. Ongcharit C, et al. **Thorac Cardiovasc Surg** 1983 Oct; 31(5):282–7

STANDARDS

A note on the blood analog for in-vitro testing of heart valve bioprostheses. Chandran KB, et al. **J Biomech Eng** 1984 May;106(2):112–4

Comparison of in vitro valve pressure drop results from different investigators. Swanson WM. **Med Instrum** 1984 Mar-Apr;18(2):115–7

[Adhesive and thrombogenic properties of vascular prostheses] Dolgov VV, et al. **Khirurgiia (Mosk)** 1984 May; (5):112–6 **(Rus)**

BIOPSY

Use of the transbronchial biopsy for diagnosis of opportunistic pulmonary infections in acquired immunodeficiency syndrome (AIDS). Blumfeld W, et al. **Am J Clin Pathol** 1984 Jan;81(1):1–5

Open lung biopsy in immunocompromised children with pulmonary infiltrates. Prober CG, et al. **Am J Dis Child** 1984 Jan;138(1):60–3

Renal biopsy in acute renal failure. Mustonen J, et al. **Am J Nephrol** 1984 Jan-Feb;4(1):27–31

Primary melanoma: pitfalls in diagnostic biopsy techniques and interpretations. Wagner DE, et al. **Am J Surg** 1984 Jul;148(1):99–102

Analysis of bone biopsies. Goodrich JA, et al. **Am Surg** 1983 Nov;49(11):594–8

The nose, minor salivary glands, and sarcoidosis. Postma D, et al. **Arch Otolaryngol** 1984 Jan;110(1):28–30

Histological investigation of skin biopsies in otosclerosis and osteogenesis imperfecta. Pedersen U, et al. **Arch Otorhinolaryngol** 1984;240(1):1–6

Bone marrow biopsies updated. New prospects for clinical diagnosis. Satellite symposium of the 7th congress of the International Society of Haematology, European and African Division, Barcelona, September 4–9, 1983. **Bibl Haematologica** 1984;50:1–132

Thoracoscopic lung biopsy using tissue adhesive material and/or deep ligator [letter] Hitomi S, et al. **Chest** 1984 Jul; 86(1):155

Automated enzymic, protein and DNA microanalysis to tissue biopsy samples and subcellular fractions. Shah T, et al. **Clin Chim Acta** 1984 Mar 27;138(1):125–32

Herpes simplex encephalitis: the case against brain biopsy. Levitz RE, et al. **Conn Med** 1983 Nov;47(11):681–4

Disseminate palmoplantar keratodermia with truncal lesions. Mutasim D, et al. **Dermatologica** 1984;168(6):296–9

Strongly recommend biopsy of the duodenal stump in the diagnosis of retained gastric antrum [letter] **Endoscopy** 1984 Jan;16(1):40

Very adult coeliac disease! The need for jejunal biopsy in the middle aged and elderly. Kirby J, et al. **Ir Med J** 1984 Feb;77(2):35–6

Renal biopsy. Shanbhag VV, et al. **J Assoc Physicians India** 1983 Dec;31(12):795–9

A comparison of cardiac biopsy grades and ejection fraction estimations in patients receiving Adriamycin. Ewer MS, et al. **J Clin Oncol** 1984 Feb;2(2):112–7

Open lung biopsy in the immunocompromised pediatric patient. Imoke E, et al. **J Pediatr Surg** 1983 Dec; 18(6):816–21

The advantage of adrenaline in local and general anaesthetic breast biopsy. Dixon JM, et al. **J R Coll Surg Edinb** 1983 Sep;28(5):292–4

The accuracy of diagnostic biopsy specimens in predicting tumor grades by Gleason's classification of radical prostatectomy specimens. Garnett JE, et al. **J Urol** 1984 Apr;131(4):690–3

The biopsy specimen—its value and limitations. An open letter to surgeons and pathologists. Reid JD. **JPMA** 1983 Jun;33(6):139–46

Is renal biopsy necessary for optimal management of the idiopathic nephrotic syndrome? Kassirer JP. **Kidney Int** 1983 Oct;24(4):561–75

Endomyocardial biopsy for the clinician [editorial] **Lancet** 1984 Apr 28;1(8383):942–3

The therapeutic impact of temporal artery biopsy. Hall S, et al. **Lancet** 1983 Nov 26;2(8361):1217–20

Chorionic biopsy in management of severe rhesus isoimmunisation [letter] Kanhai HH, et al. **Lancet** 1984 Jul 21;2(8395):157–8

Screening for nasopharyngeal carcinoma [letter] von Haacke NP. **Lancet** 1984 Sep 1;2(8401):528

Biopsy diagnosis of surgical infections [editorial] Pruitt BA Jr. **N Engl J Med** 1984 Jun 28;310(26):1737–8

Pancreatic biopsy. Moossa AR, et al. **Surg Clin North Am** 1983 Dec;63(6):1205–14 (28 ref.)

Biopsy-cucumber unit: improved method for preparing bladder biopsy specimens. Watson RA, et al. **Urology** 1984 Apr;23(4):392–3

Endomyocardial biopsy and viral heart disease. Richardson PJ, et al. **Verh Dtsch Ges Herz Kreislaufforsch** 1983; 49:141–7

[Analysis of pathologic morphology of biopsy tissue obtained via fiberoptic bronchoscopy in 295 cases] Chen ZN. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1983 Aug;6(4):207–8 (Eng. Abstr.) **(Chi)**

[Diagnosis of peripheral lung cancers with lung biopsy and brushing via fiberoptic bronchoscopy under fluoroscopic television] Wu HC. **Chung Hua Nei Ko Tsa Chih** 1983 Apr; 22(4):204–6 (Eng. Abstr.) **(Chi)**

[Pathology as applied to biopsies] Jirásek A. **Cas Lek Cesk** 1983 Oct 28;122(43):1320–2 (Eng. Abstr.) **(Cze)**

[Pulmonary biopsy using thoracoscopy] Guy P, et al. **Poumon Coeur** 1983;39(4):179–81 (Eng. Abstr.) **(Fre)**

[Endomyocardial biopsy: diagnostic usefulness in internal medicine and cardiology] Depelchin P, et al. **Rev Med Brux** 1984 May;5(5):333–8 (17 ref.) (Eng. Abstr.) **(Fre)**

[Liver biopsy in surgery of the gallbladder] Eggert A, et al. **Leber Magen Darm** 1984 May;14(3):97–101 (Eng. Abstr.) **(Ger)**

[Value of semiquantitative morphologic evaluation of testicular biopsies in fertility disorders in the male] Mikuz G, et al. **Pathologe** 1983 Sep;4(5):244–51 **(Ger)**

[Malignant stomach ulcer: diagnostic value of extemperaneous cytology and cyto-guided biopsy] Di Felice G, et al. **Schweiz Med Wochenschr** 1984 May 19; 114(20):714–5 (Eng. Abstr.) **(Ger)**

[Various forms of giant cell arteritis: diagnostic difficulties and significance of biopsies] Vonesch HJ, et al. **Schweiz Med Wochenschr** 1983 Jul 30;113(30):1049–53 (Eng. Abstr.) **(Ger)**

[Iliac crest biopsy as an indicator in the diagnosis of rare diseases] Henschke F, et al. **Verh Dtsch Ges Pathol** 1983; 67:486–9 (Eng. Abstr.) **(Ger)**

[Premedication with atropine in gastroenterologic endoscopy and biopsy] Berndt H. **Z Arztl Fortbild (Jena)** 1983; 77(18):753–4 **(Ger)**

[Correlation between endoscopic biopsy findings and sonograms of the abdomen in stomach cancer] Allmendinger G, et al. **Z Gastroenterol** 1984 Feb;22(2):62–5 (Eng. Abstr.) **(Ger)**

[Unnecessary endoscopy and biopsy] Classen M. **Z Gastroenterol [Verh]** 1984 Apr;19:27–31 **(Ger)**

[Methodology, problems and prospectives of endomyocardial biopsy] Frustaci A, et al. **Boll Soc Ital Cardiol** 1982 Dec; 27(12):1133–9 (Eng. Abstr.) **(Ita)**

[3 cases of sarcoidosis with myopathy—significance of skeletal muscle biopsy for early diagnosis] Noda R, et al. **Nippon Hifuka Gakkai Zasshi** 1983 Jul;93(8):841–8 **(Jpn)**

[Case of cardiac sarcoidosis confirmed by myocardial biopsy] Kadota J, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Mar;21(3):270–5 (Eng. Abstr.) **(Jpn)**

[A case of pulmonary alveolar microlithiasis diagnosed by transbronchial lung biopsy] Yamagata K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1984 Feb; 22(2):138–43 (Eng. Abstr.) **(Jpn)**

[Results of prospective cytological diagnoses of cervical intraepithelial neoplasia] Saks A, et al. **Jugosl Ginekol Opstet** 1983 Sep-Dec;23(5–6):103–6 (Eng. Abstr.) **(Scr)**

[Indications for renal biopsy in children] Kaiserová E, et al. **Cesk Pediatr** 1983 Jul;38(7):392–6 (Eng. Abstr.) **(Slo)**

[Small intestine biopsy in the diagnosis of intestinal diseases (editorial)] Grand RJ. **Bol Med Hosp Infant Mex** 1983 Nov; 40(11):593–4 **(Spa)**

[Intestinal biopsy in children with chronic diarrhea. Study of 100 cases] Ramírez-Mayans JA, et al. **Bol Med Hosp Infant Mex** 1983 Nov;40(11):632–7 (Eng. Abstr.) **(Spa)**

[Intestinal biopsy: indication and risks (editorial)] Vega-Franco L. **Bol Med Hosp Infant Mex** 1983 Nov; 40(11):595–7 **(Spa)**

ADVERSE EFFECTS

Massive haemorrhage following biopsy of amyloidosis of the bladder. Dixon PJ, et al. **Br J Surg** 1984 Aug;71(8):650

Effects of fine-needle aspiration and other biopsy procedures on tumor dissemination in mice. Eriksson O, et al. **Cancer** 1984 Jul 1;54(1):73–8

Occurrence of hematoma after renal biopsy: systematic follow-up study by sonography [letter] Päivänsalo M, et al. **Clin Nephrol** 1984 May;21(5):302–3

Deep peroneal nerve injury by muscle biopsy. Nousiainen U, et al. **Electromyogr Clin Neurophysiol** 1983 Sep-Oct; 23(6):531–3

Periovarian adhesions following ovarian wedge resection or laparoscopic biopsy. Portuondo JA, et al. **Endoscopy** 1984 Jul;16(4):143–5

Is there a safe interval between diagnostic invasive procedure and the barium enema study of the colorectum? Culp CE, et al. **Gastrointest Radiol** 1984;9(1):69–72

Endometrial biopsy inadvertently taken in the cycle of conception. Balasch J, et al. **Int J Gynaecol Obstet** 1984 Apr;22(2):95–9

Chorionic biopsy and miscarriage in first trimester [letter] Gustavii B. **Lancet** 1984 Mar 10;1(8376):562

Judged frequency of complications after invasive diagnostic procedures. Systematic biases of a physician population. Manu P, et al. **Med Care** 1984 Apr;22(4):366–70

Consequences of chorionic biopsy [letter] **N Engl J Med** 1984 Apr 26;310(17):1121

Chorionic biopsy [letter] Jackson LG, et al. **N Engl J Med** 1984 Aug 23;311(8):539–40

Extrarenal arteriovenous fistula. An unusual complication of percutaneous renal transplant biopsy. Salahudeen AK, et al. **Nephron** 1984;37(1):64–5

Bone scan appearances following biopsy of bone and bone marrow. McKillop JH, et al. **Radiology** 1984 Oct; 153(1):241–2

Bleeding as a complication to endoscopic biopsies from the gastric remnant after ulcer surgery. Domellöf L, et al. **Scand J Gastroenterol** 1983 Oct;18(7):951–4

A study on complications of percutaneous renal biopsy with 2 marker method. Chen WY, et al. **Taiwan I Hsueh Hui Tsa Chih** 1983 Jun;82(6):745–9

[Iatrogenic injuries of the accessory nerve during lymph node biopsy in the posterior cervical triangle] Eskesen V, et al. **Ugeskr Laeger** 1983 Oct 17;145(42):3233–5 (Eng. Abstr.) **(Dan)**

[Complications of transiliac bone biopsy by the Bordier method] Mosekilde L, et al. **Ugeskr Laeger** 1984 Feb 6; 146(6):427–9 (Eng. Abstr.) **(Dan)**

[Intramural hematoma of the duodenum and chronic pancreatitis after jejunal biopsy] Hermier M, et al. **Arch Fr Pediatr** 1984 Feb;41(2):127–9 (Eng. Abstr.) **(Fre)**

[Bacteremia and prostate biopsy] Jiménez Cruz JF, et al. **Actas Urol Esp** 1983 May-Jun;7(3):205–8 (Eng. Abstr.) **(Spa)**

[Endoscopic diagnosis of a hepatic biopsy complication] Castellanos D, et al. **Rev Esp Enferm Apar Dig** 1984 Jun; 65(6):527–30 (Eng. Abstr.) **(Spa)**

INSTRUMENTATION

The Pipelle: a disposable device for endometrial biopsy. Cornier E. **Am J Obstet Gynecol** 1984 Jan 1;148(1):109–10

A new, fully protected biopsy scraper for transbronchial lung biopsy [letter] Kato H, et al. **Chest** 1984 Jan;85(1):143–4

Evaluation of the new giant-biopsy forceps in the diagnosis of mucosal and submucosal gastric lesions. Kaneko E, et al. **Endoscopy** 1983 Sep;15(5):322–6

A new instrument for percutaneous muscle biopsies. Mutoh Y, et al. **Int J Sports Med** 1983 Nov;4(4):289–90

A simple, inexpensive sterile vitreous specimen collection device with peyman vitreophage. Chen CJ, et al. **Ophthalmic Surg** 1983 Aug;14(8):690–2

Intra-arterial foreign body retrieved using endoscopic biopsy forceps. Kim MS, et al. **Radiology** 1983 Nov;149(2):597

[Cartilage punch biopsy in arthrotomy or -scopy] Giebel G, et al. **Unfallheilkunde** 1983 Jul;86(7):327–30 (Eng. Abstr.) **(Ger)**

[A new method for the diagnosis of cancer of the endometrium] Iervolino P, et al. **Arch Ostet Ginecol** 1982 May–Aug;87(3–4):133–40 (Eng. Abstr.) **(Ita)**

[Endomyocardial biopsy using a biotome for the stomach] Okoshi T, et al. **Kyobu Geka** 1984 May;37(5):366–7 (Eng. Abstr.) **(Jpn)**

METHODS

Peroral endoscopic duodenal biopsy in infants and children. Barakat MH, et al. **Acta Paediatr Scand** 1983 Jul; 72(4):563–9

Shave biopsies: the good and right, the bad and wrong [editorial] Ackerman AB. **Am J Dermatopathol** 1983 Jun; 5(3):211–2

Evaluation of a system for serial biopsy of cerebral cortical tissue in an awake goat. Pelligrino DA, et al. **Am J Physiol** 1984 Sep;247(3 Pt 2):R600–9

Comparison of fiberoptic endoscope and Quinton tube human gastric biopsies. Krause WJ, et al. **Anat Anz** 1983; 154(2):125–32

Transdiaphragmatic adrenal biopsy. Mansour KA, et al. **Ann Thorac Surg** 1984 Jul;38(1):66–7

Open rib biopsy guided by radionuclide technique. Shih WJ, et al. **Ann Thorac Surg** 1984 Jul;38(1):59–62

Percutaneous renal biopsy in a developing country: experience with 300 cases. Abdurrahman MB. **Ann Trop Paediatr** 1984 Mar;4(1):25–30

Liver biopsy as a technique for assessing copper status of sheep. Donald GE, et al. **Aust Vet J** 1984 Apr;61(4):121–2

Endomyocardial biopsy guided by cross-sectional echocardiography. Mortensen SA, et al. **Br Heart J** 1983 Sep;50(3):246–51

Guide wire manipulation of Crosby jejunal biopsy capsule under fluoroscopic control. Law RL. **Br Med J [Clin Res]** 1984 Jan 28;288(6413):286–7

Endoscopic jejunal biopsy with the Crosby capsule [letter] Levy N, et al. **Br Med J [Clin Res]** 1984 Jun 23; 288(6434):1914–5

Guide wire manipulation of Crosby jejunal biopsy capsule [letter] Mäki M. **Br Med J [Clin Res]** 1984 Mar 17; 288(6420):862–3

Bone marrow biopsy in the metastatic work-up of solid tumors in children. Penchansky L. **Cancer** 1984 Oct 1; 54(7):1447–8

Microbiopsy metabolite and paired flow analysis: a new rapid procedure for homogenisation, extraction and analysis of high energy phosphates and other intermediates without any errors from tissue loss. Hearse DJ. **Cardiovasc Res** 1984 Jun;18(6):384–90

The results of transvenous endomyocardial biopsy can frequently be used to diagnose myocardial diseases in patients with idiopathic heart failure. Endomyocardial biopsies in 100 consecutive patients revealed a substantial incidence of myocarditis. Parrillo JE, et al. **Circulation** 1984 Jan;69(1):93–101

'Blind' versus direct vision technique for fetal skin sampling in cases for prenatal diagnosis. Löfberg L, et al. **Clin Genet** 1984 Jan;25(1):37–41

Histologic evaluation of chronic gastroesophageal reflux. An evaluation of biopsy methods and diagnostic criteria. Knuff TE, et al. **Dig Dis Sci** 1984 Mar;29(3):194–201

Peritoneal tuberculosis. Jorge AD. **Endoscopy** 1984 Jan; 16(1):10–2

Comparison of flexible fiberoptic bronchoscopy and scalene lymph node biopsy in the diagnosis of sarcoidosis. Stjernberg N, et al. **Endoscopy** 1983 Sep;15(5):300–1

Radiologically guided biopsies. Göthlin JH. **Eur J Radiol** 1983 Aug;3 Suppl 1:303–4

Skin biopsy techniques: Part 1. Sechrist KD, et al. **Indiana Med** 1984 May;77(5):366–7

Skin biopsy techniques: Part 2. Sechrist KD, et al. **Indiana Med** 1984 Jun;77(6):454–5

Stereotactic biopsy using computed tomography. Wunschik F, et al. **J Comput Assist Tomogr** 1984 Feb;8(1):32–7

When to use the Chevassu maneuver during exploration of intrascrotal masses. Goldstein M, et al. **J Urol** 1983 Dec; 130(6):1199–200

NIH considers large-scale study to evaluate chorionic villi sampling [news] Cowart V. **JAMA** 1984 Jul 6;252(1):11–5

Diagnosis, four hours after chorion biopsy, of female fetus in pregnancy at risk of Duchenne muscular dystrophy [letter] Lilford R, et al. **Lancet** 1983 Dec 24–31; 2(8365–66):1491

Peroral jejunal biopsy with Watson capsule and Scott-Harden duodenal intubation tube. Salter RH, et al. **Lancet** 1983 Dec 24–31;2(8365–66):1460

The place of chorionic biopsy [letter] Wyatt PR. **Lancet** 1983 Oct 8;2(8354):847

Excisional biopsy in the selective management of T1 glottic cancer: a three-year follow-up study. Blakeslee D, et al. **Laryngoscope** 1984 Apr;94(4):488–94

Early recognition of potentially fatal necrotizing fasciitis. The use of frozen-section biopsy. Stamenkovic I, et al. **N Engl J Med** 1984 Jun 28;310(26):1689–93

Method of computed tomography-based stereotactic biopsy with arteriographic control. Kelly PJ, et al. **Neurosurgery** 1984 Feb;14(2):172–77

Surgical approach for pediatric open renal biopsy: anterior extraperitoneal, flank and posterior approaches using the muscle-splitting method. Matsushita K, et al. **Nippon Jinzo Gakkai Shi** 1984 Mar;26(3):319–22

The role of closed pleural biopsy in suspected malignant effusions [letter] Bevelaqua FA, et al. **NY State J Med** 1984 May;84(5):229–30

CT-guided percutaneous biopsies in pediatric patients. Baran GW, et al. **Pediatr Radiol** 1984;14(3):161–4

The small intestinal mucosal biopsy in childhood. Variend S, et al. **Perspect Pediatr Pathol** 1984 Spring;8(1):57–78 (96 ref.)

The use of domperidone to speed up the time taken for jejunal biopsy. Wright JP, et al. **S Afr Med J** 1983 Oct 8; 64(16):626–7

A pressure chamber for removing cryobiopsies from small laboratory animals. Müller-Klieser W, et al. **Strahlentherapie** 1984 Jul;160(7):436–8

Surgical technique for outpatient cone biopsy of the cervix uteri. Deppe G, et al. **Surg Gynecol Obstet** 1984 Jun; 158(6):552–4

Diaphragmatic peritoneal biopsy. Helmkamp BF, et al. **Surg Gynecol Obstet** 1983 Oct;157(4):373

A simplified method for intraoperative biopsy of the liver. Krausz MM, et al. **Surg Gynecol Obstet** 1984 Feb;158(2):177

Selective renal biopsy under ultrasonic real-time guidance. Saitoh M. **Urol Radiol** 1984;6(1):30–7

Intraoperative preparation of rectum with povidone-iodine-saturated gauze in transrectal biopsy of prostate. Khan SA, et al. **Urology** 1984 May;23(5 Spec No):104–5

Advantage of Lowsley tractor in studying prostatic lesions. Khan SA, et al. **Urology** 1984 Jan;23(1):74

[Evaluation and clinical application of lung biopsy] Zhou ZL. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1983 Oct;6(5):312–4 **(Chi)**

[Biopsy technic in bone and soft tissue cancer] Xiang GY. **Chung Hua Wai Ko Tsa Chih** 1984 Mar;22(3):150–2 **(Chi)**

[Reliability of the extemporaneous biopsy in digestive pathology] Jouret-Mourin A, et al. **Acta Gastroenterol Belg** 1983 Nov–Dec;46(11–12):513–20 (Eng. Abstr.) **(Fre)**

[Technics and value of conjunctival impression biopsy] Royer J, et al. **Bull Soc Ophtalmol Fr** 1983 May;83(5):643–5 (Eng. Abstr.) **(Fre)**

[Drill biopsy and puncture biopsy for the determination of hormone receptors] Magdelenat H. **Pathol Biol (Paris)** 1983 Nov;31(9):755–60 (25 ref.) (Eng. Abstr.) **(Fre)**

[Comparison of endometrial biopsy technics using a sharp plastic curette (Accurette) or aspiration biopsy] Duchesne C, et al. **Union Med Can** 1983 Nov;112(11):1050–2, 1077 (Eng. Abstr.) **(Fre)**

[Diagnostic evaluation of drill biopsy] Hohlweg-Majert P, et al. **Geburtshilfe Frauenheilkd** 1983 Aug;43(8):501–4 (Eng. Abstr.) **(Ger)**

[Retrograde brush biopsy of the kidney pelvis and ureters] Gill W. **Urologe [Ausg A]** 1983 Sep;22 Suppl:372–8 (Eng. Abstr.) **(Ger)**

[2-dimensional echocardiography in performing myocardial biopsy] Pennestri F, et al. **Boll Soc Ital Cardiol** 1982 Dec; 27(12):1141–4 (Eng. Abstr.) **(Ita)**

[Biopsy and stereotaxic radiotherapy of cerebral gliomas] Colombo F, et al. **Minerva Med** 1984 May 19; 75(21):1327–31 (Eng. Abstr.) **(Ita)**

[CT-guided stereotaxic brain tumor biopsy] Niizuma H, et al. **No Shinkei Geka** 1984 Jan;12(1):55–61 (Eng. Abstr.) **(Jpn)**

[Frozen section biopsy in neoplasms of the ovary. Results in 120 cases] da Cunha Bastos A, et al. **Rev Paul Med** 1983 Mar–Apr;101(2):45–9 (Eng. Abstr.) **(Por)**

[Endoscopic cryobiopsy in tracheobronchial pathology] Olariu B. **Rev Chir [Otorinolaringol]** 1983 Jul–Sep; 28(3):225–7 **(Rum)**

[Transthoracic biopsy and its clinical usefulness] García de la Oliva T. **Med Clin (Barc)** 1983 Nov 5;81(14):621–2 **(Spa)**

VETERINARY

Michel's medium as a preservative for immunofluorescent staining of cutaneous biopsy specimens in dogs and cats. Caciolo PL, et al. **Am J Vet Res** 1984 Jan;45(1):128–30

Skin biopsy in horses. Hahn RA. **Mod Vet Pract** 1984 Feb; 65(2):122, 124–5

Endomyocardial biopsy in the dog. Burk RL, et al. **Vet Clin North Am [Small Anim Pract]** 1983 May; 13(2):355–63

BIOPSY, NEEDLE

Accuracy of endometrial aspiration in the diagnosis of endometrial cancer. Inoue Y, et al. **Acta Cytol (Baltimore)** 1983 Sep–Oct;27(5):477–81

Aspiration biopsy in the context of the new Medicare fiscal policy. Kaminsky DB. **Acta Cytol (Baltimore)** 1984 May–Jun;28(3):333–6

Aspiration biopsy cytology [editorial] Wied GL, et al. **Acta Cytol (Baltimore)** 1984 May–Jun;28(3):195–7

Fine needle aspiration compared with scintigraphy for detection of liver neoplasia. Hällén J, et al. **Acta Med Scand** 1984;215(5):481–6

Stereotaxic needle biopsy of non-palpable breast lesions. A clinical and radiologic follow-up. Svane G. **Acta Radiol [Diagn] (Stockh)** 1983;24(5):385–90

Histiocytosis X. IX. Fine needle aspiration biopsy for differentiation between histiocytosis X and spondylitis. Thommesen P, et al. **Acta Radiol [Oncol]** 1983;22(5):349–51

Aspiration biopsy of peripheral pulmonary masses using real-time sonographic guidance. Cinti D, et al. **AJR** 1984 Jun;142(6):1115–6

Parathyroid cyst: diagnosis by sonography and needle aspiration. DeRaimo AJ, et al. **AJR** 1984 Jun;142(6):1227–8

Fine-needle aspiration biopsy of lymphangiographically normal lymph nodes: a negative view. Kidd R, et al. **AJR** 1984 May;142(5):1005–6

Lymphangiography and fine-needle aspiration biopsy: ineffective for staging early prostate cancer. Kidd R, et al. **AJR** 1984 May;142(5):1007–12

Unintended percutaneous aspiration of pulmonary echinococcal cysts. McCorkell SJ. **AJR** 1984 Jul; 143(1):123–6

Mediastinal needle biopsy. Moinuddin SM, et al. **AJR** 1984 Sep;143(3):531–2

CT-guided needle placement in the central nervous system: results in 146 consecutive patients. Moran CJ, et al. **AJR** 1984 Oct;143(4):861–8

Percutaneous fine-needle aspiration biopsy of mediastinal lesions. Weisbrod GL, et al. **AJR** 1984 Sep;143(3):525–9

The correlation between liver vitamin A concentrations in micro- (needle biopsy) and macrosamples of human liver specimens obtained at autopsy. Amédée-Manesme O, et al. **Am J Clin Nutr** 1984 Feb;39(2):315–9

Fine-needle aspiration effects on benign lymph node histology. Behm FG, et al. **Am J Clin Pathol** 1984 Aug; 82(2):195–8

Transthoracic fine-needle aspiration cytology. Analysis of 82 patients with detailed verification criteria and evaluation of false-negative cases. Caya JG, et al. **Am J Clin Pathol** 1984 Jul;82(1):100–3

Needle aspiration biopsy: role and limitations in surgical decision making. Schultenover SJ, et al. **Am J Clin Pathol** 1984 Oct;82(4):405–10

Fine needle biopsy in retinoblastoma. Char DH, et al. **Am J Ophthalmol** 1984 Jun;97(6):686–90

Transbronchial needle aspiration of peripheral masses [letter] Myles RK. **Am Rev Respir Dis** 1984 Jun;129(6):1031

Fine needle aspiration biopsy. A reliable diagnostic tool in the management of thyroid nodules. Hanni CL, et al. **Am Surg** 1984 Sep;50(9):485–7

Diagnosis of breast lesions by fine needle aspiration biopsy. Kaufman M, et al. **Am Surg** 1983 Oct;49(10):558–9

Fine needle aspiration cytology of liver tumors. Gondos B, et al. **Ann Clin Lab Sci** 1984 Mar–Apr;14(2):155–8

Management of lymphadenitis in childhood: the role of percutaneous needle aspiration. Fleisher G, et al. **Ann Emerg Med** 1984 Oct;13(10):908–11

Fine needle aspiration cytology in lieu of open biopsy in management of primary breast cancer. Wanebo HJ, et al. **Ann Surg** 1984 May;199(5):569–79

Fine-needle aspiration biopsy in primary malignant and metastatic bone tumors. Palombini L, et al. **Appl Pathol** 1983;1(2):76–81

The diagnosis of the thyroid nodule using aspiration biopsy and cytology [editorial] Blum M. **Arch Intern Med** 1984 Jun;144(6):1140–2

Diagnostic accuracy and use of aspiration biopsy in the management of thyroid nodules. Ramacciotti CE, et al. **Arch Intern Med** 1984 Jun;144(6):1169–73

Fine-needle aspiration in squamous cell carcinoma of the head and neck. Feldman PS, et al. **Arch Otolaryngol** 1983 Nov;109(11):735–42

Computed tomography-guided aspiration cytologic examination in head and neck lesions. Ljung BM, et al. **Arch Otolaryngol** 1984 Sep;110(9):604–7

Needle aspiration of nonfunctioning parathyroid cysts. Katz AD, et al. **Arch Surg** 1984 Mar;119(3):307–8

Percutaneous liver biopsy. Vizcarrondo F. **Bol Asoc Med PR** 1984 Feb;76(2):59–61

Needle aspiration of the breast. Frable WJ. **Cancer** 1984 Feb 1;53(3 Suppl):671–6

Multiple-hole needle for puncture biopsy. An analysis of 420 cases. Qin DX, et al. **Cancer** 1984 Feb 15;53(4):1011–5

Fine-needle aspiration biopsy in a pediatric population. Report of 64 consecutive cases. Taylor SR, et al. **Cancer** 1984 Oct 1;54(7):1449–53

Limitations and value of aspiration cytology. Sullivan MM, et al. **Clin Lab Med** 1984 Mar;4(1):89–98

Transplant aspiration cytology for monitoring of kidney xenograft (wolf-dog) under cyclosporin A treatment. Danko I, et al. **Eur Surg Res** 1983;15(5):276–83

Needle biopsy and transbronchial biopsy with special reference to carcinoma of the lung. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1982; 114:1–134

One or two liver biopsies during laparoscopy? Picciotto A, et al. **Hepatogastroenterology** 1983 Oct;30(5):192–3

Mammography and biopsy of nonpalpable breast lesions: a review of 71 lesions. Macksood MJ.

J Am Osteopath Assoc 1984 Feb;83(6):432–4
A comparison of conventional needle and fine-needle aspiration liver biopsies. Gray WC.
J Indiana State Med Assoc 1983 Jul;76(7):453–4
Orbital fine-needle aspiration biopsy in patients with cavernous sinus syndrome. Slamovits TL, et al.
J Neurosurg 1983 Dec;59(6):1037–42
The usefulness of percutaneous fine-needle aspiration biopsy in infants and children. Schaller RT Jr, et al.
J Pediatr Surg 1983 Aug;18(4):398–405
Yield of unpredicted bone-marrow relapse diagnosed by routine marrow aspiration in children with acute lymphoblastic leukaemia. A report from the Children's Cancer Study Group. Rogers PC, et al. Lancet 1984 Jun 16;1(8390):1320–2
Needle aspiration biopsy of thyroid nodules. Brauer RJ, et al. Laryngoscope 1984 Jan;94(1):38–42
Fine-needle aspiration cytology in the management of breast disease [letter] Forbes JF. Med J Aust 1984 Feb 4; 140(3):181
Fine-needle aspiration cytology in the management of breast disease [letter] Magarey C. Med J Aust 1983 Nov 12; 2(10):479–80
Percutaneous fine needle aspiration biopsy of the lung: East Carolina University School of Medicine/Pitt County Memorial Hospital, 1983. Silverman JF, et al.
NC Med J 1984 Jun;45(6):368–70
Fine-needle aspiration. Why it deserves another look. Aretz HT, et al. Postgrad Med 1984 Feb 15;75(3):49–52, 55–6
Transabdominal fine needle biopsy from chorionic villi in the first trimester. Smidt-Jensen S, et al. Prenat Diagn 1984 May-Jun;4(3):163–9
The accuracy of transrectal aspiration biopsy of the prostate: an analysis of 452 cases. Maier U, et al. Prostate 1984; 5(2):147–51
Clinical value of percutaneous fine-needle aspiration biopsy of mediastinal masses. An analysis of 132 cases. Bartholdy NJ, et al. Scand J Thorac Cardiovasc Surg 1984;18(1):81–3
Reliability of aspiration biopsy cytology in the grading of renal adenocarcinoma. Nurmi M, et al.
Scand J Urol Nephrol 1984;18(2):151–6
The incidence of carcinoma in encapsulated follicular thyroid lesions diagnosed by large needle biopsy. Gerfo PL, et al. Surgery 1983 Dec;94(6):1008–10
Efficacy of needle biopsy in postradiation thyroid disease. Rosen IB, et al. Surgery 1983 Dec;94(6):1002–7
Transplant aspiration cytology. Häyry P, et al.
Transplantation 1984 Jul;38(1):7–12 (45 ref.)
Fine-needle aspiration biopsy in parotid masses. Bono A, et al. Tumori 1983 Oct 31;69(5):417–21
Electron microscopy applied to fine-needle aspiration. A report of six cases from various sites. Cinti S, et al. Tumori 1983 Oct 31;69(5):423–35
[Puncture biopsy of the prostate] VachalovskY V, et al. Cas Lek Cesk 1983 Sep 16;122(37):1141–3 (Eng. Abstr.) (Cze)
[Problems with fine-needle puncture examination of the prostate] Zavadilová H, et al. Cesk Patol 1984 May; 20(2):79–84 (Eng. Abstr.) (Cze)
[Results of puncture biopsies of the liver aimed at chronic alcoholism in the medical history] Hirt M. Vnitr Lek 1984 Feb;30(2):134–8 (Eng. Abstr.) (Cze)
[Needle puncture and pneumocystography of palpable mammary cysts. A controlled study] Dyreborg U, et al. Ugeskr Laeger 1983 Oct 24;145(43):3327–30 (Eng. Abstr.) (Dan)
[Fortuitous diagnosis by fine needle puncture under real-time ultrasound control of an atypical hydatid cyst of the liver] Fornage B. J Radiol 1983 Nov;64(11):643–5 (Eng. Abstr.) (Fre)
[The place of kidney biopsies in the diagnosis of isolated hematuria] Scherrer P, et al. Schweiz Med Wochenschr 1984 Feb 18;114(7):232–6 (Eng. Abstr.) (Fre)
[Comparison of endometrial biopsy technics using a sharp plastic curette (Accurette) or aspiration biopsy] Duchesne C, et al. Union Med Can 1983 Nov;112(11):1050–2, 1077 (Eng. Abstr.) (Fre)
[Needle aspiration of renal cysts] Duprat G Jr, et al. Union Med Can 1983 Sep;112(9):841–4 (Eng. Abstr.) (Fre)
[Value of fine-needle puncture in the diagnosis of cancer] Pedio G. Arch Geschwulstforsch 1984;54(1):69–75 (Eng. Abstr.) (Ger)
[Needle biopsy of the iliac crest in the diagnosis of bone and bone marrow diseases. Indication, technic and value of evidence] Manegold C, et al. Dtsch Med Wochenschr 1984 Jun 15;109(24):954–6 (Ger)
[Initial results of a combined sonographic and cytologic diagnosis of scintigraphically remarkable thyroid changes using real-time visual puncture] Bittersohl A, et al. Z Gesamte Inn Med 1983 Oct 1;38(19):524–8 (Eng. Abstr.) (Ger)
[Transbronchial needle-aspiration cytology (TBAC) in fiberoptic bronchoscopy in the diagnosis of pulmonary coin lesion] Frizzelli R. Acta Biomed Ateneo Parmense 1984; 55(2):91–6 (Eng. Abstr.) (Ita)
[Systematic intraoperative hepatic needle biopsy in surgery of benign pathology of the stomach, duodenum and bile ducts] Lorusso D, et al. Chir Patol Sper 1982 Dec; 30(6):203–11 (Eng. Abstr.) (Ita)
[Needle aspiration in breast diagnostics. Personal experience] Vittoria A, et al. Minerva Chir 1983 Oct 15;38(19):1477–9 (Ita)
[The role of transcutaneous fine-needle aspiration biopsy of the regional lymph nodes in the management of cancer of the penis] Piscioli F, et al. Minerva Med 1984 Jun 23; 75(26):1547–54 (Eng. Abstr.) (Ita)
[Fine needle biopsy of thyroid tumor] Aiyoshi Y, et al. Horumon To Rinsho 1983 Sep;31(9):873–5 (Jpn)
[Early diagnosis of breast cancer by needle aspiration] Nishizawa Y, et al. Nippon Gan Chiryo Gakkai Shi 1983 Apr 20;18(3):661–5 (Eng. Abstr.) (Jpn)
[Role of cytodiagnosis and biopsy in early diagnosis of cancer—from the viewpoint of cytodiagnosis] Matsuda M. Rinsho Byori 1983 Dec;31 Suppl:57–69 (48 ref.) (Jpn)
[Usefulness of pleural biopsy with Cope's needle: apropos of 106 consecutive biopsies] Llorente Fernández JL, et al. Med Clin (Barc) 1984 Feb 18;82(6):242–4 (Eng. Abstr.) (Spa)

ADVERSE EFFECTS

Transection of the localization hooked wire during breast biopsy. Homer MJ. AJR 1983 Nov;141(5):929–30
Bone marrow biopsy technic. Artifact induced by aspiration. Douglas DD, et al. Am J Clin Pathol 1984 Jul;82(1):92–4
Lack of validity of standard corrections for white blood cell counts of blood-contaminated cerebrospinal fluid in infants. Novak RW. Am J Clin Pathol 1984 Jul;82(1):95–7
Rare complications after transabdominal fine needle aspiration. Malberger E, et al. Am J Gastroenterol 1984 Jun;79(6):458–60
Evaluation of complications due to percutaneous renal biopsy: a clinical and angiographic study. Jörstad S, et al. Am J Kidney Dis 1984 Sep;4(2):162–5
Palisading prostate granulomas following surgery. Mies C, et al. Am J Surg Pathol 1984 Mar;8(3):217–21
Tumor seeding associated with bone marrow aspiration and biopsy. Citron ML, et al. Arch Intern Med 1984 Jan; 144(1):177
Control of postbiopsy renal hemorrhage with renal artery vasopressin infusion. Smith DC, et al. Arch Intern Med 1984 Jul;144(7):1468–9
Carotid–cavernous fistula following nasopharyngeal biopsy. Feuerman TF, et al. Arch Otolaryngol 1984 Jun; 110(6):412–4
Arteriovenous fistula following renal transplant biopsy. Cooper PH, et al. Br J Radiol 1984 Feb;57(674):181–3
Effects of fine-needle aspiration and other biopsy procedures on tumor dissemination in mice. Eriksson O, et al. Cancer 1984 Jul 1;54(1):73–8
Predicting risk of pneumothorax in needle biopsy of the lung. Poe RH, et al. Chest 1984 Feb;85(2):232–5
Bacteremia following transbronchial fine needle aspiration (letter). Watts WJ, et al. Chest 1984 Feb;85(2):295
Logan v. Greenwich Hospital Association. Supreme Court of the State of Connecticut. Conn Med 1984 Jun; 48(6):385–92
Massive lymphorrhoea after fine needle biopsy of the cystic haemolymphangioma of the liver. Damascelli B, et al. Eur J Radiol 1984 May;4(2):107–9
Bladder obstruction—a rare complication after percutaneous renal biopsy. Frühwald F, et al. Eur J Radiol 1984 Aug; 4(3):225–6
Vastus lateralis muscle biopsy [letter] Gerard ES, et al. JAMA 1984 Jul 27;252(4):482–3
Intrarenal arteriovenous fistula following percutaneous renal biopsy. Ossenkoppele GJ. Neth J Med 1984;27(1):6–9
Ultrasonographic assessment of perirenal hematoma after percutaneous renal biopsy in adult patients. Miura H, et al. Nippon Jinzo Gakkai Shi 1984 Mar;26(3):337–42
Secondary infection of an endometrioma following fine-needle aspiration. Martino CR, et al. Radiology 1984 Apr;151(1):53–4
Complications of pediatric percutaneous renal procedures: incidence and observations. Pfister RC, et al. Urol Clin North Am 1983 Aug;10(3):563–71
Polymicrobial septicemia after liver biopsy. Dhawan VK, et al. West J Med 1983 Sep;139(3):376–8
[Hemorrhagic complication following hepatic puncture biopsy. Value of echography] Boustière C, et al. J Radiol 1983 Nov;64(11):647–8 (Eng. Abstr.) (Fre)
[Puncture biopsy of the sternum—forensic medicine experiences] Mattig W, et al. Z Arztl Fortbild (Jena) 1984; 78(4):149–51 (Ger)
[Antibiotic prophylaxis in transrectal prostatic needle-biopsy] Bonatti PL, et al. Minerva Urol 1983 Jul-Sep;35(3):205–8 (Eng. Abstr.) (Ita)
[Unusual complication of aspiration biopsy of the small intestine (intramural duodenal hematoma causing acute pancreatitis, mechanical jaundice and high intestinal obstruction)] Albrecht P, et al. Pediatr Pol 1984 Mar; 59(3):245–9 (Pol)
[E. coli bacteremia and non-Clostridial crepitant cellulitis after transrectal prostatic biopsy in a diabetic patient] Merino Angulo J, et al. Rev Clin Esp 1983 May 31; 169(4):271–2 (Spa)
[Traumatic hemobilia caused by percutaneous hepatic biopsy. Echo-tomographic diagnosis] Gutiérrez Fuentes JA, et al. Rev Esp Enferm Apar Dig 1984 Mar;65(3):271–3 (Eng. Abstr.) (Spa)
[Computerized axial tomography in the diagnosis of hematomas following renal biopsy. Experience in 18 patients] García Ortiz R, et al. Rev Med Chil 1984 Feb; 112(2):146–51 (Eng. Abstr.) (Spa)

INSTRUMENTATION

Stereotaxic needle biopsy of non-palpable breast lesions. Cytologic and histopathologic findings. Svane G, et al. Acta Radiol [Diagn] (Stockh) 1983;24(4):283–8
A counter rotating power drill for needle biopsy. Matthews LS, et al. Clin Orthop 1984 Apr;(184):217–22
Preliminary report on a new needle for kidney and liver biopsy. Biswas SK, et al. J Assoc Physicians India 1983 Mar;31(3):145–8
New 'Tru-cut' biopsy needle introducer for transrectal prostatic biopsy. Stanek JJ, et al. Lancet 1984 Sep 1; 2(8401):495
Curved biopsy needle for stereotactic surgery: a technical note. Levy WJ, et al. Neurosurgery 1984 Jul;15(1):82–5
Evaluation of the histopathology of brain tumor tissue obtained by ultrasonic aspiration. Richmond IL, et al. Neurosurgery 1983 Oct;13(4):415–9
Curved stylus for redirection of the fine-needle guide. Hawkins IF Jr, et al. Radiology 1984 May;151(2):530
Trephine biopsy of the skeleton with the aid of a hand drill. Kattapuram SV, et al. Radiology 1984 Jul;152(1):231
Trephine bone biopsy system: a refined needle for radiologists. Pais MJ, et al. Radiology 1984 Oct; 153(1):253–4
Removable hub needle system for coaxial biopsy of small and difficult lesions. vanSonnenberg E, et al. Radiology 1984 Jul;152(1):226
Cope needle biopsy. Liss HP. South Med J 1984 Jul; 77(7):837–9, 842
[Bone marrow puncture using a needle for lumbar puncture (letter)] de Gramont A, et al. Presse Med 1984 Jun 23; 13(26):1638 (Fre)
[Percutaneous, ultrasound-targeted fine-needle puncture biopsy (liver, pancreas, intestine) and ultrasound-targeted pancreatic duct puncture] Klann H, et al. Dtsch Med Wochenschr 1983 Oct 7;108(40):1503–7 (Eng. Abstr.) (Ger)
[Diagnostic value of fine needle aspiration biopsy in liver and pancreas diagnosis with computer tomography control] Hasik J, et al. Dtsch Z Verdau Stoffwechselkr 1984; 44(1):6–11 (Eng. Abstr.) (Ger)
[Fine needle puncture of the thyroid gland: technic and diagnostic possibilities] Droese M. Internist (Berlin) 1983 Aug;24(8):467–73 (Ger)
[Bronchofiberscopic catheter and flexible needle suction biopsies in extraluminal and peripheral lung lesion] Nakhosteen JA, et al. Prax Klin Pneumol 1983 Oct;37 Suppl 1:854–5 (Eng. Abstr.) (Ger)
[Localizing instrument for fine needle puncture of non-palpable changes in the breast] Hajek P, et al. Rontgenblatter 1983 Sep;36(9):285–8 (Eng. Abstr.) (Ger)
[In vitro and in vivo demonstrations of puncture instruments in the sonographic real time image. 1: Puncture needles] Heckemann R, et al. Ultraschall Med 1982 Mar;3(1):18–23 (Eng. Abstr.) (Ger)
[Indications for ultrasound-guided fine needle puncture under permanent view. 1. Diagnostic puncture] Otto RC. Ultraschall Med 1983 Jun;4(2):72–6 (Eng. Abstr.) (Ger)
[A new method for obtaining simultaneously intestinal mucosa and duodenal juice] Boda M, et al. Orv Hetil 1983 Jul 31;124(31):1873–4 (Eng. Abstr.) (Hun)
[Percutaneous pulmonary needle biopsy using thin-needle aspiration. Experience with 302 patients] Montali G, et al. Radiol Med (Torino) 1983 Jul-Aug;69(7–8):559–65 (Eng. Abstr.) (Ita)

METHODS

Limitations of aspiration cytology in the diagnosis of primary neoplasms. Hajdu SI, et al. Acta Cytol (Baltimore) 1984 May-Jun;28(3):337–45
Bronchial submucosal needle aspiration performed through the fiberoptic bronchoscope. Horsley JR, et al. Acta Cytol (Baltimore) 1984 May-Jun;28(3):211–7
Percutaneous fine needle aspiration biopsy of the lung. A study of 1,015 patients. Johnston WW. Acta Cytol (Baltimore) 1984 May-Jun;28(3):218–24
Aspiration cytology of metastatic hypernephroma. Linak JA, et al. Acta Cytol (Baltimore) 1984 May-Jun;28(3):251–60
Technical aspects of obtaining cellular material from lesions deep in the lung. A radiologist's view and description of the screw-needle sampling technique. Nordenström BE. Acta Cytol (Baltimore) 1984 May-Jun;28(3):233–42
Transthoracic fine needle aspiration biopsy in pulmonary lesions. Updated results. Pilotti S, et al. Acta Cytol (Baltimore) 1984 May-Jun;28(3):225–32
Fine needle aspiration of pulmonary lesions via fiberoptic bronchoscopy. Rosenthal DL, et al. Acta Cytol (Baltimore) 1984 May-Jun;28(3):203–10
Accuracy of cytologic diagnosis of central nervous system neoplasms in sterotactic biopsies. Willems JG, et al. Acta Cytol (Baltimore) 1984 May-Jun;28(3):243–9
CT-guided biopsy for the detection and staging of tumors of the head and neck. Gatenby RA, et al. AJNR 1984 May-Jun;5(3):287–90
Simple method for performing oblique CT-guided needle biopsies. Axel L. AJR 1984 Aug;143(2):341–2
Percutaneous biopsy. Bernardino ME. AJR 1984 Jan; 142(1):41–5
Thoracic biopsy: CT guidance of thin-needle aspiration. Gobien RP, et al. AJR 1984 Apr;142(4):827–30
Sonographically guided needle biopsy for diagnosis of

thoracic lesions. Ikezoe J, et al. **AJR** 1984 Aug; 143(2):229–34

No significant aspiration artifact with single-site bone marrow [letter] Miller WM. **Am J Clin Pathol** 1984 Jan; 81(1):144–5

Percutaneous or laparoscopic needle biopsy in the evaluation of chronic liver disease? Picciotto A, et al. **Am J Gastroenterol** 1984 Jul;79(7):567–8

Transbronchial needle aspiration of peripheral masses. Shure D, et al. **Am Rev Respir Dis** 1983 Dec;128(6):1090–2

Flexible transbronchial needle aspiration. Technical considerations. Wang KP, et al. **Ann Otol Rhinol Laryngol** 1984 May–Jun;93(3 Pt 1):233–6

Diagnostic needle muscle biopsy. A practical and reliable alternative to open biopsy. Heckmatt JZ, et al. **Arch Dis Child** 1984 Jun;59(6):528–32

Ultrasonically guided fine needle aspiration biopsy of retroperitoneal mass lesions. Juul N, et al. **Br J Radiol** 1984 Jan;57(673):43–6

Histological sampling with a 23 gauge modified Menghini needle. Torp-Pedersen S, et al. **Br J Radiol** 1984 Feb; 57(674):151–4

Flexible transbronchial needle aspiration for staging of bronchogenic carcinoma. Wang KP, et al. **Chest** 1983 Nov; 84(5):571–6

Percutaneous osseous needle aspiration biopsy with nuclear medicine guidance. Zegel HG, et al. **Clin Nucl Med** 1984 Feb;9(2):89–91

Abdominal fine needle aspiration biopsies with CT and ultrasound guidance: techniques, results and clinical implications. Bree RL, et al. **Comput Radiol** 1984 Jan–Feb; 8(1):9–15

Percutaneous aspiration biopsy in the diagnosis of lung lesions. Polák J, et al. **Czech Med** 1984;7(1):40–8

CT guided percutaneous fine needle biopsy in the diagnosis of small adrenal tumours. Lüning M, et al. **Eur J Radiol** 1983 Nov;3(4):358–64

Fine-needle biopsy of the pancreas using real-time ultrasonography. Martínez A, et al. **Gastrointest Radiol** 1984;9(3):231–4

Ultrasound guided fine-needle biopsies in pancreatic and hepatic neoplasms. Schwerk WB, et al. **Gastrointest Radiol** 1983;8(3):219–25

Experience with transjugular liver biopsy. Bull HJ, et al. **Gut** 1983 Nov;24(11):1057–60

First-trimester diagnosis on chorionic villi obtained by direct vision technique. Gustavii B, et al. **Hum Genet** 1984; 65(4):373–6

Alternative technique in fine needle aspiration biopsy [letter] Kline TS. **Hum Pathol** 1983 Dec;14(12):1092

A new technique for fine needle aspiration biopsy [letter] Robinson CR. **Hum Pathol** 1984 Feb;15(2):197

Results of 317 transrectal puncture biopsies of the prostate. Tchakarov S. **Int Urol Nephrol** 1984;16(2):133–9

The role of culdocentesis in evaluating pelvic pain in women. Mansi ML. **J Am Osteopath Assoc** 1984 Apr;83(8):576–81

Comparison of different bone-biopsy techniques for qualitative and quantitative diagnosis of metabolic bone diseases. Faugere MC, et al. **J Bone Joint Surg [Am]** 1983 Dec;65(9):1314–8

CT directed hepatic biopsies: increased diagnostic accuracy with low patient risk. Alspaugh JP, et al. **J Comput Assist Tomogr** 1983 Dec;7(6):1012–7

Pseudomyxoma peritonei associated with mucinous adenocarcinoma of the pancreas: CT findings and CT-guided biopsy. Gustafson KD, et al. **J Comput Assist Tomogr** 1984 Apr;8(2):335–8

CT guided paravertebral biopsy of the mediastinum. Williams RA, et al. **J Comput Assist Tomogr** 1984 Jun;8(3):575–8

CT biopsy of cerebral toxoplasmosis in AIDS. Rodan BA, et al. **J Fla Med Assoc** 1984 Mar;71(3):158–60

Fine needle aspiration cytology of the spleen of tumor bearing mice. Lersch C, et al. **J Immunol Methods** 1984 Feb 10;66(2):307–12

Computerized tomography-guided percutaneous needle biopsy. Jewel KL. **J Med Soc NJ** 1984 Apr;81(4):297–9

Fine-needle aspiration in metastatic malignant melanoma. Rothman D, et al. **J Med Soc NJ** 1984 Feb;81(2):135–7

Prophylactic antibiotics and Foley catheter use in transperineal needle biopsy of the prostate. Packer MG, et al. **J Urol** 1984 Apr;131(4):687–9

Abdominal aspiration biopsies. Sonographic v computed tomographic guidance. Pelaez JC, et al. **JAMA** 1983 Nov 18;250(19):2663–6

A simple no-cost technique for real-time biopsy. Livraghi T. **JCU** 1984 Jan;12(1):60–2

Diagnosis of renal parenchymal diseases by a modified open kidney biopsy technique. Chodak GW, et al. **Kidney Int** 1983 Dec;24(6):804–6

Percutaneous liver biopsy with plugging of needle track: a safe method for use in patients with impaired coagulation. Riley SA, et al. **Lancet** 1984 Aug 25;2(8400):436

A single-operator technique for first-trimester chorion biopsy. Rodeck CH, et al. **Lancet** 1983 Dec 10; 2(8363):1340–1

Liver biopsy with plugged needle track [letter] Tobin MV, et al. **Lancet** 1984 Sep 22;2(8404):694

Biopsy technique for infiltrating tumors of head and neck mucosal origin. Johnson FE. **Laryngoscope** 1984 Sep; 94(9):1246–7

Fine-needle aspiration cytology in the management of breast disease [letter] Cant EM. **Med J Aust** 1984 Mar 31; 140(7):446

Fine-needle aspiration cytology in the management of breast disease [letter] Stern W. **Med J Aust** 1983 Nov 26;2(11):535

Computed tomography-guided percutaneous biopsy: a combined approach to the retroperitoneum. Messersmith RN, et al. **Neurosurgery** 1984 Feb;14(2):218–9

Fine needle aspiration biopsy of solid intraocular tumors: indications, instrumentation and techniques. Augsburger JJ, et al. **Ophthalmic Surg** 1984 Jan;15(1):34–40

Technical note: improved preparation of fine needle aspiration biopsies for transmission electron microscopy. Lazzaro AV. **Pathology** 1983 Oct;15(4):399–402

Computed-tomographic-guided biopsy of small apical and peripheral upper-lobe lung masses. Gatenby RA, et al. **Radiology** 1984 Feb;150(2):591–2

Percutaneous biopsy and drainage procedures in the abdomen using a modified coaxial technique. McGahan JP. **Radiology** 1984 Oct;153(1):257–8

Occult breast abnormalities: percutaneous preoperative needle localization. Meyer JE, et al. **Radiology** 1984 Feb; 150(2):335–7

Outpatient needle biopsy of the lung: its safety and utility. Stevens GM, et al. **Radiology** 1984 May;151(2):301–4

Aspiration biopsy of the prostate: the urologist's viewpoint. deKernion JB. **Semin Urol** 1983 Aug;1(3):166–71

Aspiration biopsy of the prostate: the pathologist's viewpoint. Tannenbaum M. **Semin Urol** 1983 Aug;1(3):172–6

Computed tomography guided thin needle biopsy of small lytic bone lesions. Gatenby RA, et al. **Skeletal Radiol** 1984; 11(4):289–91

Fine needle aspiration biopsy of solid intraocular tumors. Augsburger JJ, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1983 Fall; 36(2):169–72

Immunoperoxidase staining of fine-needle aspiration biopsies and needle core biopsies from renal allografts. Bolton EM, et al. **Transplantation** 1983 Dec;36(6):728–31

Reproducibility of the fine-needle aspiration biopsy. Analysis of 93 double biopsies. von Willebrand E, et al. **Transplantation** 1984 Sep;38(3):314–6

Use of CT-guided percutaneous bone biopsy in staging of genitourinary tumors. Golimbu C, et al. **Urology** 1983 Sep; 22(3):322–5

Transrectal aspiration biopsy of prostate: modified franzen technique. Lavelle MA. **Urology** 1983 Sep;22(3):304–5

One-hand racquet grip for Tru-cut thyroid biopsy. Boey J, et al. **World J Surg** 1984 Jun;8(3):388–91

[Directed thin-needle aspiration biopsy guided by computer tomography] Horák J, et al. **Cesk Radiol** 1983 Aug; 37(5):296–301 (Eng. Abstr.) **(Cze)**

[Hepatic puncture biopsy using the transvenous approach. An experiment based on 213 tests] Bataille C, et al. **Acta Clin Belg** 1983;38(4):222–7 (Eng. Abstr.) **(Fre)**

[Percutaneous spinal and sacroiliac biopsies for diagnostic purposes] Foure X, et al. **J Radiol** 1983 Oct;64(10):551–6 (Eng. Abstr.) **(Fre)**

[Transvenous hepatic puncture-biopsy using the jugular approach (editorial)] Lebrec D. **Presse Med** 1984 Jun 23; 13(26):1605–6 **(Fre)**

[Computer tomography-guided puncture of the retroperitoneal space] Triller J, et al. **Computertomographie** 1983 Jun;3(2):67–74 (Eng. Abstr.) **(Ger)**

[Computer-tomography guided puncture of the retroperitoneal space] Probst P, et al. **Helv Chir Acta** 1983 Jun;50(3):307–11 (Eng. Abstr.) **(Ger)**

[Experiences with Nordenström's transthoracic needle biopsy based on 1064 clinical cases] Dubay M, et al. **Prax Klin Pneumol** 1983 Oct;37(10):1115–8 (Eng. Abstr.) **(Ger)**

[Ultrasound-directed tumor puncture and bronchoalveolar lavage in real time B-scanning technic] Sommersgutter M, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:871 (Eng. Abstr.) **(Ger)**

[Accuracy quota in fine needle puncture] Wernecke K, et al. **Rontgenblatter** 1983 Oct;36(10):313–7 (Eng. Abstr.) **(Ger)**

[A new fine needle biopsy technic in histologic diagnosis—preliminary case report] Brambs HJ, et al. **Ultraschall Med** 1984 Jun;5(3):111–6 (Eng. Abstr.) **(Ger)**

[Ultrasound-assisted percutaneous blind puncture of the liver] Judmaier G, et al. **Ultraschall Med** 1983 Jun;4(2):81–4 (Eng. Abstr.) **(Ger)**

[Ultrasonically guided fine-needle biopsy] Knoflach P, et al. **Wien Med Wochenschr** 1983 Oct 31;133(19–20):514–9 (Eng. Abstr.) **(Ger)**

[Ultrasonically guided biopsy of mass lesions in the pancreas, liver and gallbladder] Itoh K. **Gan To Kagaku Ryoho** 1984 Jun;11(6):1332–9 (Eng. Abstr.) **(Jpn)**

[Percutaneous transabdominal fine needle aspiration of regional lymph nodes in genitourinary cancer] Hoshi S, et al. **Hinyokika Kiyo** 1983 Nov;29(11):1411–7 (Eng. Abstr.) **(Jpn)**

[Fine needle aspiration of neck tumor. Application of cytological, bacteriological and hormonal examinations] Miyauchi A, et al. **Nippon Geka Gakkai Zasshi** 1983 Aug; 84(8):6u7–73 (Eng. Abstr.) **(Jpn)**

[Fine needle aspiration cytology of 637 thyroid nodules] Togon H. **Nippon Geka Gakkai Zasshi** 1983 Jul; 84(7):612–22 (Eng. Abstr.) **(Jpn)**

[Percutaneous lung aspiration in bacterial pneumonia] Suzuki A, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Sep; 21(9):866–72 (Eng. Abstr.) **(Jpn)**

[Percutaneous lymph node needle biopsy] Kodera K, et al. **Rinsho Hoshasen** 1983 Oct;28(10):1113–5 (Eng. Abstr.) **(Jpn)**

[Thin-needle aspiration biopsy of non-palpable abdominal tumors conducted under the control of computerized tomography] Olszewski W, et al. **Pol Przegl Radiol (Warszawa)** 1983 Mar–Apr;47(2):125–8 (Eng. Abstr.) **(Pol)**

[Echography with targeted fine needle biopsy in the diagnosis of malignant tumors of the liver] Medvedev VE, et al. **Klin Khir** 1984 May;(5):23–5 (Eng. Abstr.) **(Rus)**

[Ultrasonically guided puncture of nonpalpable breast cysts] Vlaisavljević V. **Jugosl Ginekol Opstet** 1983 Sep–Dec; 23(5–6):141–3 (Eng. Abstr.) **(Scr)**

[Blind needle biopsy of the parietal pleura. Analysis of 920 cases] Debeljak A. **Plucne Bolesti Tuberk** 1983 Jan–Dec; 35(1–4):92–8 (Eng. Abstr.) **(Scr)**

STANDARDS

Variability of histochemical and morphometric data from needle biopsy specimens of human quadriceps femoris muscle. Mahon M, et al. **J Neurol Sci** 1984 Jan;63(1):85–100

VETERINARY

Fine needle aspiration cytology in veterinary medicine [letter] Valli VE. **Acta Cytol (Baltimore)** 1984 Mar–Apr; 28(2):191–2

[Blood specimen collection and liver biopsy in miniature swine] Nawroth R, et al. **Z Exp Chir Transplant Kunstliche Organe** 1983;16(6):365–9 (Eng. Abstr.) **(Ger)**

BIOPTERIN see under **PTERIDINES**

BIOSTATISTICS see **BIOMETRY**

BIOTIN

Syntheses of biotinylated and dethiobiotinylated insulins. Hofmann K, et al. **Biochemistry** 1984 Jun 5;23(12):2547–53

Radioimmunocytochemistry with [3H]biotin. Hunt SP, et al. **Brain Res** 1984 Jan 23;291(2):203–17

Biotin-labeled oligonucleotides: enzymatic synthesis and use as hybridization probes. Murasugi A, et al. **DNA** 1984 Jun; 3(3):269–77

Rapid detection of herpes simplex virus in clinical specimens by use of a capture biotin-streptavidin enzyme-linked immunosorbent assay. Nerurkar LS, et al. **J Clin Microbiol** 1984 Jul;20(1):109–14

Characterization of mononuclear cells in cytocentrifuge and imprint preparations using monoclonal antibodies and an avidin—biotin immunoperoxidase staining system. Giorno R. **J Histochem Cytochem** 1983 Nov;31(11):1326–8

Interactions of biotin with metal ions. X-ray crystal structure of the polymeric biotin—silver(I) nitrate complex: metal bonding to thioether and ureido carbonyl groups. Aoki K, et al. **J Inorg Biochem** 1983 Nov;19(3):269–73

ADMINISTRATION & DOSAGE

Biotin supplementation of practical diets for channel catfish. Lovell RT, et al. **J Nutr** 1984 Jun;114(6):1092–6

ANALOGS & DERIVATIVES

The carboxybiotin complex of pyruvate carboxylase. A kinetic analysis of the effects of $Mg2+$ ions on its stability and on its reaction with pyruvate. Attwood PV, et al. **Biochem J** 1984 Apr 1;219(1):243–51

Syntheses of biotinylated and dethiobiotinylated insulins. Hofmann K, et al. **Biochemistry** 1984 Jun 5;23(12):2547–53

A mechanism for the transfer of the carboxyl-group from 1'-N-carboxybiotin to acceptor substrates by biotin-containing enzymes. Goodall GJ, et al. **FEBS Lett** 1983 Oct 31;163(1):6–9

Biotin analogs activate guanylate cyclase. Vesely DL, et al. **Mol Cell Biochem** 1984;60(2):109–14

[Desthiobiotin transformation to biotin by the fungus Rhizopus delemar] Naumova ES, et al. **Mikrobiologiia** 1983 Sep–Oct;52(5):761–6 (Eng. Abstr.) **(Rus)**

ANALYSIS

Zymogen activation: a new system for homogeneous ligand-binding assay. Blake DA, et al. **Clin Chem** 1984 Sep; 30(9):1452–6

Preembedding labeling with biotinylated antibodies and subsequent visualization of the biotin groups exposed on thin sections. Nir I, et al. **J Histochem Cytochem** 1984 Jun; 32(6):643–8

Hepatic biotin and the sudden infant death syndrome [letter] Heard GS, et al. **Med J Aust** 1983 Oct 1;2(7):305–6

[Vitamin content of Scenedesmus quadricauda. I. Biotin, niacin and riboflavin] Dias G de O, et al. **Rev Latinoam Microbiol** 1982 Jan–Mar;24(1):35–8 (Eng. Abstr.) **(Por)**

BIOSYNTHESIS

Determination of the metabolic origins of the sulfur and 3'-nitrogen atoms in biotin of Escherichia coli by mass spectrometry. DeMoll E, et al. **Biochemistry** 1984 Jan 31; 23(3):558–62

[Desthiobiotin transformation to biotin by the fungus Rhizopus delemar] Naumova ES, et al. **Mikrobiologiia** 1983 Sep–Oct;52(5):761–6 (Eng. Abstr.) **(Rus)**

DEFICIENCY

The effect of oxalate on gluconeogenesis by isolated chicken hepatocytes. Increased sensitivity to inhibition as a result of biotin deficiency. Bannister DW, et al. **Biochim Biophys Acta** 1983 Sep 22;763(2):180–2

The effect of biotin deficiency and dietary protein content on lipogenesis, gluconeogenesis and related enzyme activities in chick liver. Bannister DW, et al. **Br J Nutr** 1983 Sep;50(2):291–302

The effects of oxalate and glucose on lipogenesis by isolated hepatocytes from normal and biotin-deficient chicks (Gallus domesticus). O'Neill IE, et al. **Int J Biochem** 1984; 16(5):517–21

Inhibition of experimentally induced autoimmunity in rats by biotin deficiency. Rabin BS. **J Nutr** 1983 Nov; 113(11):2316–22

Biotin deficiency in a patient with short bowel syndrome during home parenteral nutrition. Khalidi N, et al. **JPEN** 1984 May–Jun;8(3):311–4

DIAGNOSTIC USE

A comparison of indirect immunofluorescence and the avidin–biotin–peroxidase conjugate technic (ABC) in the performance of the antinuclear antibody test. Nalesnik MA, et al. **Am J Clin Pathol** 1984 Feb;81(2):192–7

Diagnosis of Chagas' disease in humans using a biotin–3H–avidin radioimmunoassay. Tarleton RL, et al. **Am J Trop Med Hyg** 1984 Jan;33(1):34–40

Enzyme immunoassays in which biotinillated beta–lactamase is used for the detection of microbial antigens. Yolken RH, et al. **J Clin Microbiol** 1984 Mar;19(3):356–60

Visual detection of granulocyte surface antigens using the avidin–biotin complex. Henke M, et al. **J Histochem Cytochem** 1984 Jul;32(7):712–6

Biotin–labeled antigen sandwich enzyme–linked immunosorbent assay (BLA–S–ELISA) for the detection of Japanese encephalitis antibody in human and a variety of animal sera. Chang HC, et al. **J Immunol Methods** 1984 Sep 4;72(2):401–9

Avidin–biotin radioimmunoassay for human rotavirus. Yolken RH. **J Infect Dis** 1983 Nov;148(5):942

Colloidal gold and biotin–avidin conjugates as ultrastructural markers for neural antigens. van den Pol AN. **Q J Exp Physiol** 1984 Jan;69(1):1–33 (102 ref.)

METABOLISM

Acetyl CoA carboxylase in cultured fibroblasts: differential biotin dependence in the two types of biotin–responsive multiple carboxylase deficiency. Packman S, et al. **Am J Hum Genet** 1984 Jan;36(1):80–92

Biotin intake and transfer to the egg and chick in broiler breeder hens housed on litter or in cages. Whitehead CC. **Br Poult Sci** 1984 Apr;25(2):287–92

A mechanism for the transfer of the carboxyl–group from 1'–N–carboxybiotin to acceptor substrates by biotin–containing enzymes. Goodall GJ, et al. **FEBS Lett** 1983 Oct 31;163(1):6–9

Importance of methionine residues in the enzymatic carboxylation of biotin–containing peptides representing the local biotinyl site of E. coli acetyl–CoA carboxylase. Kondo H, et al. **Int J Pept Protein Res** 1984 Jun; 23(6):559–64

Avidin, a high affinity biotin–binding protein, as a tool and subject of biological research. Korpela J. **Med Biol** 1984; 62(1):5–26 (237 ref.)

Activation and polymerization by citrate of the biotin–enzyme acetyl–CoA carboxylase. **Nutr Rev** 1984 Jul; 42(7):258–60 (9 ref.)

Effect of Lactobacillus inoculation and antibiotic feeding of chickens on availability of dietary biotin. Buenrostro JL, et al. **Poult Sci** 1983 Oct;62(10):2022–9

Available biotin content of various feed ingredients. Frigg M. **Poult Sci** 1984 Apr;63(4):750–3

Effect of oral dosing of Lactobacillus strains on gut colonization and liver biotin in broiler chicks. Watkins BA, et al. **Poult Sci** 1983 Oct;62(10):2088–94

[Congenital biotin–sensitive hyperlacticacidemia (syndrome with a peculiar neurocutaneous expression). Description of 3 cases] Pocecco M, et al. **Riv Neurobiol** 1982 Jul–Dec; 28(3–4):459–62 (Eng. Abstr.) **(Ita)**

PHARMACODYNAMICS

Response of sows and litters to added dietary biotin in environmentally regulated facilities. Hamilton CR, et al. **J Anim Sci** 1984 Jul;59(1):151–7

Effects of biotin upon the intracellular level of cGMP and the activity of glucokinase in cultured rat hepatocytes. Spence JT, et al. **J Biol Chem** 1984 May 25;259(10):6393–6

Biotin analogs activate guanylate cyclase. Vesely DL, et al. **Mol Cell Biochem** 1984;60(2):109–14

Effect of biotin on dermatitis and hatchability in dwarf and normal size single comb white leghorn layers. Atuahene YO, et al. **Poult Sci** 1984 Mar;63(3):580–2

Effect of a dietary supplement of biotin on pig hoof horn strength and hardness. Webb NG, et al. **Vet Rec** 1984 Feb 25;114(8):185–9

PHYSIOLOGY

Purification, characterisation and reconstitution of glutaconyl–CoA decarboxylase, a biotin–dependent sodium pump from anaerobic bacteria. Buckel W, et al. **Eur J Biochem** 1983 Nov 2;136(2):427–34

THERAPEUTIC USE

Biotin supplementation in greasy pig disease. Gillespie TG. **Mod Vet Pract** 1982 Sep;63(9):724–6

Biotin in the management of uremic neurologic disorders. Yatzidis H, et al. **Nephron** 1984;36(3):183–6

[Effect of lipoic acid, biotin and pyridoxine on blood content of saturated and unsaturated fatty acids in ischemic heart disease and hypertension] Vodoevich VP. **Vopr Pitan** 1983 Sep–Oct;(5):14–6 (Eng. Abstr.) **(Rus)**

BIOTRANSFORMATION

Effects of nutritive factors on metabolic processes involving bioactivation and detoxication of chemicals. Guengerich FP. **Annu Rev Nutr** 1984;4:207–31 (158 ref.)

The role of nutrition in toxicology. Parke DV, et al. **Annu Rev Nutr** 1981;1:207–34 (209 ref.)

Mechanism of activation of proximate mutagens in Ames' tester strains: the acetyl–CoA dependent enzyme in Salmonella typhimurium TA98 deficient in TA98/1,8–DNP6 catalyzes DNA–binding as the cause of mutagenicity. Saito K, et al. **Biochem Biophys Res Commun** 1983 Oct 14;116(1):141–7

Differential effect of chronic ethanol consumption by the rat on microsomal oxidation of hepatocarcinogens and their activation to mutagens. Smith BA, et al. **Biochem Pharmacol** 1984 Sep 15;33(18):2901–10

Developmental, genetic and environmental aspects of drug biotransformation and conjugation. An international meeting, Dundee, Scotland, 14–17 September 1983. **Biochem Soc Trans** 1984 Feb;12(1):1–105

Intra– and extra–cellular formation of metabolites from chemically reactive species. Gillette JR, et al. **Biochem Soc Trans** 1984 Feb;12(1):4–7

Gamma interferon induction depresses murine hepatic promutagen/procarcinogen activation. Reiners JJ Jr, et al. **Carcinogenesis** 1984 Jan;5(1):125–8

Hepatic biotransformation in farmed blue fox and raccoon dog. Harri M, et al. **Comp Biochem Physiol [C]** 1983; 76(1):81–4

Chemically induced nephrotoxicity: role of metabolic activation. Rush GF, et al. **CRC Crit Rev Toxicol** 1984; 13(2):99–160 (362 ref.)

Metabolic activation and lung toxicity: a basis for cell–selective pulmonary damage by foreign chemicals. Boyd MR. **Environ Health Perspect** 1984 Apr;55:47–51 (29 ref.)

Cellular redox changes and response to drugs and toxic agents. Sies H, et al. **Fundam Appl Toxicol** 1983 Jul–Aug; 3(4):200–8

An enzymatic approach to biotransformation. Kitchin KT. **Methods Find Exp Clin Pharmacol** 1984 Jun;6(6):303–10

Relationship between exposure time and metabolic activation of dichloromethane in Salmonella typhimurium. Jongen WM. **Mutat Res** 1984 May;136(2):107–8

Prostaglandin synthase–catalyzed metabolic activation of some aromatic amines to genotoxic products. Nordenskjöld M, et al. **Mutat Res** 1984 Jul;127(2):107–12

Dietary selenium deficiency causes decreased N–oxygenation of N,N–dimethylaniline and increased mutagenicity of dimethylnitrosamine in the isolated rat liver/cell culture system. Olsson U, et al. **Mutat Res** 1984 Mar;126(1):73–80

Rat liver S9 preparations contain comutagenic activity. Rossman TG, et al. **Mutat Res** 1983 Nov;122(2):103–9

Effect of dietary protein concentration on rat–liver S9 bioactivation of 7,12–dimethylbenz[a]anthracene in the Salmonella/microsome assay. Singletary KW, et al. **Mutat Res** 1984 Mar;126(1):19–24

A comparison of Vicia–faba–root S10 and rat–liver S9 activation of ethanol, maleic hydrazide and cyclophosphamide as measured by sister–chromatid exchange induction in Chinese hamster ovary cells. Takehisa S, et al. **Mutat Res** 1983 Nov;124(2):145–51

Environmental influences on drug biotransformations in humans. Alvares AP. **World Rev Nutr Diet** 1984;43:45–59 (36 ref.)

Dynamics of xenobiotic metabolism by isolated rat hepatocytes using a multichannel perifusion system. Orton TC, et al. **Xenobiotica** 1983 Dec;13(12):743–53

[Mechanisms of pharmacokinetic drug interactions. 4: Mechanisms of interaction during biotransformation] Box A, et al. **Pharmazie** 1984 Apr;39(4):282–92 (238 ref.) **(Ger)**

[Biotransforming function of the liver and endotoxic shock] Angelov E, et al. **Khirurgiia (Sofiia)** 1983;36(6):556–61 (24 ref.) **(Rus)**

DRUG EFFECTS

Present status of disulfiram. Ferko AP. **Am Fam Physician** 1983 Dec;28(6):183–5

Species and sex differences in selenium inhibition of hepatic drug metabolism in rodents. Merrick BA, et al. **Drug Chem Toxicol** 1983;6(4):329–40

Effect of pretreatment with hydroxylated xenobiotics on the activities of rat liver UDP–glucuronosyl–transferases. Boutin JA, et al. **Xenobiotica** 1983 Dec;13(12):755–61

BIPERIDEN see under **PIPERIDINES**

BIPHENYL COMPOUNDS

BLOOD

Determination of germicidal phenols in blood by capillary column gas chromatography. Cline RE, et al. **J Chromatogr** 1984 May 11;307(2):420–5

METABOLISM

Microbial biodegradation of 4–chlorobiphenyl, a model compound of chlorinated biphenyls. Massé R, et al. **Appl Environ Microbiol** 1984 May;47(5):947–51

Intramolecular isotope effects associated with meta–hydroxylation of biphenyl catalyzed by cytochrome P–450. Swinney DC, et al. **Biochem Biophys Res Commun** 1984 Feb 14;118(3):867–72

Aminopyrine and biphenyl metabolism in cultured hepatocytes. Induction by alcohols. Sinclair JF, et al. **Biochem Pharmacol** 1984 Jan 15;33(2):187–90

Pharmacokinetics of p–phenylbenzoic acid in near–term fetus of the rat. Nanbo T. **Chem Pharm Bull (Tokyo)** 1983 Oct; 31(10):3748–51

Effects of betamethasone on the in vitro and in vivo 2–hydroxylation of biphenyl in the rat. Miller MS, et al. **Drug Metab Dispos** 1983 Nov–Dec;11(6):556–61

Metabolism of biphenyl by Aspergillus toxicarius: induction of hydroxylating activity and accumulation of water–soluble conjugates. Goibeck JH, et al. **J Bacteriol** 1983 Oct;156(1):49–57

Developmental change in clearance of glucuronide of p–phenylbenzoic acid from in vitro kinetic parameters and its correlation with clearance from in vivo in fetus of rat. Nanbo T. **J Pharmacobiodyn** 1983 Aug;6(8):565–70

Biochemical factors involved in the effects of orthophenylphenol (OPP) and sodium orthophenylphenate (SOPP) on the urinary tract of male F344 rats. Reitz RH, et al. **Toxicol Appl Pharmacol** 1984 Apr;73(2):345–9

The effect of ascorbic acid on the conjugation of 4–hydroxybiphenyl in rat isolated hepatocytes. Paterson P, et al. **Xenobiotica** 1983 Oct;13(10):607–10

[Biotransformation and pharmacokinetics of beta–methyl–(1,1'–biphenyl)–4–propanenitrile (LU 20884) in rats. Studies on pharmacokinetics] Neidlein R, et al. **Arzneimittelforsch** 1983;33(8):1152–5 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Pharmacological properties of magnolol and honokiol extracted from Magnolia officinalis: central depressant effects. Watanabe K, et al. **Planta Med** 1983 Oct;49(2):103–8

Effect of pretreatment with hydroxylated xenobiotics on the activities of rat liver UDP–glucuronosyl–transferases. Boutin JA, et al. **Xenobiotica** 1983 Dec;13(12):755–61

[Biotransformation und pharmacokinetics of beta–methyl[1,1'–biphenyl]–4–propanenitrile (LU 20884) in rats. Studies on biotransformation] Neidlein R, et al. **Arzneimittelforsch** 1983;33(7):920–5 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

[Effect of biphenyl dicarboxylate on abnormal laboratory findings in patients with chronic hepatitis and liver cirrhosis] Yu HQ. **Chung Hsi I Chieh Ho Tsa Chih** 1983 May;3(3):163–4 (Eng. Abstr.) **(Chi)**

TOXICITY

Effects of diphenyl, o–phenylphenol and 2–(4'–thiazolyl)benzimidazole on growth of cultured mammalian cells. Mochida K, et al. **Bull Environ Contam Toxicol** 1983 Oct;31(4):428–31

Mechanism of orthophenylphenol toxicity. **Food Chem Toxicol** 1984 Jan;22(1):83–4

Changes in enzyme activities in the urine and tissues of rats fed sodium o–phenylphenate. Nagai F, et al. **Food Chem Toxicol** 1984 May;22(5):361–4

Altered levels of cyclic nucleotides in F344 rats fed sodium o–phenylphenate. Nakagawa A, et al. **Food Chem Toxicol** 1984 Mar;22(3):217–21

Promoting effect of sodium o–phenylphenate and o–phenylphenol on two–stage urinary bladder carcinogenesis in rats. Fukushima S, et al. **Gann** 1983 Oct; 74(5):625–32

ortho–Phenylphenol and its sodium salt. **IARC Monogr Eval Carcinog Risk Chem Hum** 1983 Jan; 30:329–44

Increased agglutinability of bladder epithelial cells by concanavalin A in rats fed several biphenyl derivatives. Honma Y, et al. **J Cancer Res Clin Oncol** 1983;106(3):176–8

Activity of 4–chloromethylbiphenyl [letter] Ashby J, et al. **Mutat Res** 1984 Jan;135(1):51–2

Genotoxicity and teratogenicity of diphenyl and diphenyl ether: a study of sea urchins, yeast, and Salmonella typhimurium. Pagano G, et al. **Teratogenesis Carcinog Mutagen** 1983;3(4):377–93

BIPHENYLAMINES see **AMINOBIPHENYL COMPOUNDS**

BIPHENYLDIAMINES see **BENZIDINES**

BIPOLAR DISORDER

[The role of neurobiologic factors in the diagnosis and treatment of depressive syndromes] Mendlewicz J. **Bull Mem Acad R Med Belg** 1983;138(2):169–78 (Eng. Abstr.) (Fre)

BLOOD

Lithium, sodium and potassium transport in erythrocytes of manic–depressive patients. Dagher G, et al. **Acta Psychiatr Scand** 1984 Jan;69(1):24–36

Diurnal variation of total plasma tryptophan in depressive patients. Dam H, et al. **Acta Psychiatr Scand** 1984 Mar; 69(3):190–6

Twenty–four–hour serum levels of TSH in affective disorders. Kjellman BF, et al. **Acta Psychiatr Scand** 1984 Jun;69(6):491–502

Accurate measurement of RBC glycine [letter] Beilharz GR, et al. **Am J Psychiatry** 1984 Aug;141(8):1017–8

Lithium intraerythrocyte levels in tardive dyskinesia: a preliminary report. Yassa R, et al. **Biol Psychiatry** 1983 Jul;18(7):825–8

Thyrotrophin response to thyreostimulin in affectively ill women relationship to suicidal behaviour. Linkowski P, et al. **Br J Psychiatry** 1983 Oct;143:401–5

Carbamazepine diminishes the sensitivity of the plasma arginine vasopressin response to osmotic stimulation. Gold PW, et al. **J Clin Endocrinol Metab** 1983 Nov;57(5):952–7

Affective disorders and ABO blood groups: new data and a reanalysis of the literature using the logistic transformation of proportions. Lavori PW, et al. **J Psychiatr Res** 1984;18(2):119–29

Red blood cell/plasma lithium ratio in manic–depressive, schizoaffective, and schizophrenic patients. Rihmer Z, et al. **Psychiatr Clin (Basel)** 1983;16(5–6):405–10

Reverse T3 levels in affective disorders. Kjellman BF, et al. **Psychiatry Res** 1983 Sep;10(1):1–9

Essential hypertension and membrane lithium transport in depressed patients. Mallinger AG, et al. **Psychiatry Res** 1983 Sep;10(1):11–6

Lithium ratio in psychiatric patients: a caveat. Nurnberger JI Jr, et al. **Psychiatry Res** 1983 Jul;9(3):201–6

Platelet alpha 2–adrenergic receptor sensitivity in major depressive disorder. Stahl SM, et al. **Psychiatry Res** 1983 Nov;10(3):157–64

CEREBROSPINAL FLUID

CSF monoamine metabolites in melancholia. Asberg M, et al. **Acta Psychiatr Scand** 1984 Mar;69(3):201–19

Cerebrospinal fluid biochemical examinations: do they reflect clinical or biological differences? Banki CM, et al. **Biol Psychiatry** 1983 Sep;18(9):1033–44

CSF triiodothyronine (rT3) levels in patients with affective disorders. Linnoila M, et al. **Biol Psychiatry** 1983 Dec; 18(12):1489–92

Depression and CSF endorphin fraction I: seasonal variation and higher levels in unipolar than bipolar patients. Agren H, et al. **Psychiatry Res** 1983 Dec;10(4):303–11

CHEMICALLY INDUCED

Fast–cycling bipolar disorder induced by withdrawal from long–term treatment with a tricyclic antidepressant. Jones BD, et al. **Am J Psychiatry** 1984 Jan;141(1):108–9

Behavioral toxicity to medications in a six–year–old boy: a genetic marker? Waters BG, et al. **J Am Acad Child Psychiatry** 1983 Sep;22(5):492–4

Amphetamine psychosis due to khat leaves [letter] Kalix P. **Lancet** 1984 Jan 7;1(8367):46

COMPLICATIONS

Cyclic sialorrhea unrelated to lithium in a patient with bipolar affective disorder [letter] Alias AG, et al. **Am J Psychiatry** 1983 Nov;140(11):1538–9

Prevalence of mitral valve prolapse in bipolar affective disorder. Giannini AJ, et al. **Am J Psychiatry** 1984 Aug; 141(8):991–2

Rapidly cycling bipolar disorder and multiple sclerosis. Kellner CH, et al. **Am J Psychiatry** 1984 Jan;141(1):112–3

A case report of mania and congenital deafness. Markowitz JC, et al. **Am J Psychiatry** 1984 Jul;141(7):894–5

Disturbances of thirst and water homeostasis in patients with affective illness. Zubenko GS, et al. **Am J Psychiatry** 1984 Mar;141(3):436–7

Psychomotor retardation and agitation in depression. Relationship to age, sex, and response to treatment. Avery D, et al. **J Affective Disord** 1984 Aug;7(1):67–76

Aqueduct stenosis and manic depressive psychosis [letter] Bhanji S, et al. **J Neurol Neurosurg Psychiatry** 1983 Dec; 46(12):1158–9

[Post–psychotic depressive phenomena in schizophrenics] Măgureanu M, et al. **Rev Med Interna [Neurol Psihiatr]** 1984 Jan–Mar;29(1):61–70 (Eng. Abstr.) (Rum)

DIAGNOSIS

A comparison of puerperal psychosis and the schizophreniform variant of manic–depression. Hays P, et al. **Acta Psychiatr Scand** 1984 Mar;69(3):177–81

Bipolar disorder, mixed, and the DST [letter] **Am J Psychiatry** 1984 Jan;141(1):145–7

Misdiagnosis of schizophrenia in bipolar patients: a multiethnic comparison. Mukherjee S, et al. **Am J Psychiatry** 1983 Dec;140(12):1571–4

Clinical correlates of lateral ventricular enlargement in bipolar affective disorder. Pearlson GD, et al. **Am J Psychiatry** 1984 Feb;141(2):253–6

Age at onset and number of psychotic symptoms in bipolar I and schizoaffective disorder. Rosen LN, et al. **Am J Psychiatry** 1983 Nov;140(11):1523–4

Was bipolar disorder the correct diagnosis? [letter] Werner A. **Am J Psychiatry** 1984 Aug;141(8):1016–7

A study of primary affective disorder in the People's Republic of China. Dunner DL, et al. **Biol Psychiatry** 1984 Mar;19(3):353–9

Biological markers for endogenous depression in series and parallel. Feinberg M, et al. **Biol Psychiatry** 1984 Jan; 19(1):3–11

Neurological abnormalities in patients with bipolar disorder. Mukherjee S, et al. **Biol Psychiatry** 1984 Mar;19(3):337–45

Proverbs and the modern mental status exam. Reich JH. **Compr Psychiatry** 1981 Sep–Oct;22(5):528–31

Acute psychosis in a 45–year–old man with bipolar disorder and primary Epstein–Barr virus infection: a case report. Klein RF, et al. **Gen Hosp Psychiatry** 1984 Jan;6(1):13–5

Affective disorders: II. Recent advances in laboratory and pathogenetic approaches. Akiskal HS, et al. **Hosp Community Psychiatry** 1983 Sep;34(9):822–30

Manic pseudodementia: case report. Koenigsberg HW. **J Clin Psychiatry** 1984 Mar;45(3):132–4

Overlooked bipolarity? [letter] Steele TE. **J Clin Psychopharmacol** 1984 Apr;4(2):119–20

Bipolar disorder in a low socioeconomic population. Difficulties in diagnosis. Roukema R, et al. **J Nerv Ment Dis** 1984 Feb;172(2):76–9

Schizophrenia or manic–depression? [letter] **Lancet** 1983 Oct 15;2(8355):918

Serum dopamine–beta–hydroxylase in diagnostic subgroups of depressed patients and in relation to their personality characteristics. Eisemann M, et al. **Neuropsychobiology** 1983;9(4):193–6

Plasma cortisol, catecholamine and cyclic AMP levels, response to dexamethasone suppression test and platelet MAO activity in manic–depressive patients. A longitudinal study. Maj M, et al. **Neuropsychobiology** 1984;11(3):168–73

Long–term prognosis and course of schizo–affective, schizophreniform, and cycloid psychoses. Armbruster B, et al. **Psychiatr Clin (Basel)** 1983;16(2–4):156–68

Levels of interaction between schizophrenia and manic–depressive disease. Arnold OH. **Psychiatr Clin (Basel)** 1983;16(2–4):217–23

Sub–types of bipolar affective disorder with particular regard to bipolar II. Dunner DL. **Psychiatr Dev** 1983 Spring; 1(1):75–85

Effect of preexisting borderline personality disorder on clinical and EEG sleep correlates of depression. Bell J, et al. **Psychiatry Res** 1983 Jun;9(2):115–23

Age of onset in bipolar affective disorder and misdiagnosis as schizophrenia. Joyce PR. **Psychol Med** 1984 Feb; 14(1):145–9

Restless legs syndrome disguised as an affective disorder. Berkowitz HL. **Psychosomatics** 1984 Apr;25(4):336–7

Diagnosis of affective disorders in the elderly. Schatzberg AF, et al. **Psychosomatics** 1984 Feb;25(2):126–8, 131

Manic pseudodementia. Thase ME, et al. **Psychosomatics** 1984 Mar;25(3):256, 259–60

[Operationalized diagnosis of schizoaffective and cycloid psychoses] Zaudig M, et al. **Arch Psychiatr Nervenkr** 1983; 233(5):385–96 (Eng. Abstr.) (Ger)

[Clinical characteristics of the depressive syndrome in unipolar and bipolar affective illness] Parnowski T. **Psychiatr Pol** 1984 Jan–Feb;18(1):1–7 (Eng. Abstr.) (Pol)

DRUG THERAPY

Failure to correlate urinary MHPG with clinical response to amitriptyline. Puzynski S, et al. **Acta Psychiatr Scand** 1984 Feb;69(2):117–20

Prediction of lithium response in young adult psychotic patients. Crabtree LH Jr. **Adolescence** 1984 Spring; 19(73):225–40

The efficacy of carbamazepine in affective illness. Post RM, et al. **Adv Biochem Psychopharmacol** 1984;39:421–37

Using carbamazepine effectively [letter] Fogelson DL. **Am J Psychiatry** 1984 Sep;141(9):1130

Case report of a possible interaction between neuroleptics and carbamazepine. Kanter GL, et al. **Am J Psychiatry** 1984 Sep;141(9):1101–2

Early onset of severe dyskinesia following lithium–haloperidol treatment [letter] Mann SC, et al. **Am J Psychiatry** 1983 Oct;140(10):1385–6

Cost effectiveness of carbamazepine in refractory bipolar illness [letter] Nelson HB. **Am J Psychiatry** 1984 Mar; 141(3):465

Use of clonazepam in mania and schizoaffective disorders. Victor BS, et al. **Am J Psychiatry** 1984 Sep;141(9):1111–2

Psychosis after neuroleptic withdrawal in a manic–depressive patient. Witschy JK, et al. **Am J Psychiatry** 1984 Jan; 141(1):105–6

Does lithium stabilize mood? DePaulo JR Jr, et al. **Biol Psychiatry** 1983 Sep;18(9):1093–7

Neurochemical changes during discontinuation of lithium prophylaxis. II. Alterations in platelet serotonin function. Goodnick PJ, et al. **Biol Psychiatry** 1984 Jun;19(6):891–8

Depression as a predictor in the development of tardive dyskinesia. Yassa R, et al. **Biol Psychiatry** 1984 Mar; 19(3):441–4

Amelioration of psychosis with carbidopa. A case report. Linnoila M, et al. **Br J Psychiatry** 1984 Apr;144:428–31

Massive eosinophilic reaction to desipramine in conjunction with pneumonia. Kraus RP, et al. **Can J Psychiatry** 1984 Mar;29(2):142–4

A possible indication for red cell lithium determinations: a case report. Yassa R, et al. **Can J Psychiatry** 1984 Feb; 29(1):44–5

Lithium therapy. Halaris AE. **Curr Psychiatr Ther** 1983; 22:131–40

Practical therapeutics: the use of lithium in psychiatry. arap Mengech HN. **East Afr Med J** 1983 Nov;60(11):822–4

Lithium clinics: theory and practice. Gitlin MJ, et al. **Hosp Community Psychiatry** 1984 Apr;35(4):363–8

Extreme lithium intoxication without severe symptoms. Kondziela JR. **Hosp Community Psychiatry** 1984 Jul; 35(7):727–8

Saliva lithium levels for monitoring lithium prophylaxis of manic depressive psychosis. Khare CB, et al. **Int J Clin Pharmacol Ther Toxicol** 1983 Sep;21(9):451–3

Psychoactive drugs and stimulus analysis: I. The theoretical background and a model of affective disorders. Johnson FN. **Int J Neurosci** 1983 Jul;20(1–2):1–9

A possible neurochemical basis for the neuropsychiatric aspects of baclofen therapy. Keegan DL, et al. **Int J Neurosci** 1983 Sep;20(3–4):249–54

Decreasing lithium dosage reduces morbidity and side–effects during prophylaxis. Coppen A, et al. **J Affective Disord** 1983 Nov;5(4):353–62

Renal function and lithium treatment: initial and follow–up tests in manic–depressive patients. Johnson GF, et al. **J Affective Disord** 1984 Jun;6(3–4):249–63

Lithium, red blood cell choline and clinical state. A prospective study in manic–depressive patients. Kuchel PW, et al. **J Affective Disord** 1984 Feb;6(1):83–94

Diurnal variation of blood glucose during lithium treatment. Mellerup ET, et al. **J Affective Disord** 1983 Nov;5(4):341–7

Valproic acid amide in the treatment of affective and schizoaffective disorders. Pużyński S, et al. **J Affective Disord** 1984 Feb;6(1):115–21

Frusemide: a safe diuretic during lithium therapy? Saffer D, et al. **J Affective Disord** 1983 Nov;5(4):289–92

Predicting lithium dose [letter] Bryant SG, et al. **J Clin Psychiatry** 1984 Feb;45(2):95

Protocols for the use of psychoactive drugs: Part III. Protocol for the treatment of bipolar affective disorder with lithium. Johnston JA, et al. **J Clin Psychiatry** 1984 May; 45(5):210–3

Lithium treatment during pregnancy: a case study of erythrocyte choline content and lithium transport. Mallinger AG, et al. **J Clin Psychiatry** 1983 Oct; 44(10):381–4

Combining lithium and antidepressants. Jefferson JW, et al. **J Clin Psychopharmacol** 1983 Oct;3(5):303–7

Selective response to the anticonvulsant carbamazepine in manic–depressive illness: a case study. Post RM, et al. **J Clin Psychopharmacol** 1984 Aug;4(4):178–85

Serum lithium spot checks to evaluate medication compliance. Schwarcz G, et al. **J Clin Psychopharmacol** 1983 Dec;3(6):356–8

Neuroleptic malignant syndrome. Association with thioridazine hydrochloride in a manic depressive patient. Twemlow SW, et al. **J Kans Med Soc** 1983 Oct; 84(10):523–5, 33

Recovery of erythrocyte Li+/Na+ countertransport and choline transport from lithium therapy. Diamond JM, et al. **J Psychiatr Res** 1982–83;17(4):385–93

Lithium concentration in the muscle compartment of manic–depressive patients during lithium therapy. Ehrlich BE, et al. **J Psychiatr Res** 1984;18(2):139–48

The Na,K–ATPase hypothesis for manic–depression. II. The mechanism of action of lithium. el–Mallakh RS. **Med Hypotheses** 1983 Nov;12(3):269–82

Prediction of response to stabilizing lithium treatment. Grof P, et al. **Pharmacopsychiatria** 1983 Nov;16(6):195–200

Association between high platelet MAO activity and response to MAO inhibitor in depressed bipolars: case reports. Rihmer Z, et al. **Pharmacopsychiatria** 1983 Jul; 16(4):119–20

A placebo–controlled study of the antidepressant activity of moclobemide, a new MAO–A inhibitor. Casacchia M, et al. **Pharmacopsychiatry** 1984 Jul;17(4):122–5

Alprazolam in bipolar–I depressions. Rush AJ, et al. **Pharmacotherapy** 1984 Jan–Feb;4(1):40–2

Pharmacokinetics of lithium preparations in patients. Johnson GF, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1984;8(1):63–70

Effect of combined haloperidol–lithium treatment on vitro RBC lithium uptake in patients with affective disorders. Werstiuk ES, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1983; 7(4–6):831–4

Use of an MMPI scale to predict antidepressant response to lithium. Garvey MJ, et al. **Psychiatry Res** 1983 Sep; 10(1):17–20

The effects of carbamazepine on the thyrotropin response to thyrotropin–releasing hormone. Joffe RT, et al. **Psychiatry Res** 1984 Jun;12(2):161–6

Monitoring lithium therapy [letter] Rogers GA.

Psychosomatics 1984 Mar;25(3):241–2

Affective bipolar disorder: effective prophylaxis with low doses of lithium carbonate [letter] Edis TE.
South Med J 1984 Jun;77(6):805–6

[Carbamazepine in the prevention and therapy of affective psychoses] Eckmann F. **Med Welt** 1983 Sep 9;34(36):984–6 **(Ger)**

[Multicenter study with a combination preparation of amitriptyline and perphenazine. Study of 48 established practicing neurologists] Berzewski H, et al. **MMW** 1983 Sep 2;125(35):745–8 (Eng. Abstr.) **(Ger)**

[Successful lithium treatment of manic–like symptoms in multiple sclerosis] Weizsäcker M, et al. **Nervenarzt** 1984 Apr;55(4):214–6 **(Ger)**

[Report of experiences with high dosage Hydiphen infusion treatment of depressive syndromes] Dreves B, et al.
Psychiatr Neurol Med Psychol (Leipz) 1984 Feb; 36(2):95–100 (Eng. Abstr.) **(Ger)**

[Lithium in erythrocytes—model value and clinical relevance] Peker J, et al.
Psychiatr Neurol Med Psychol (Leipz) 1984 Jan;36(1):12–7 (Eng. Abstr.) **(Ger)**

[Antidepressive therapy with carbamazepine (Finlepsin)] Wunderlich HP, et al.
Schweiz Arch Neurol Neurochir Psychiatr 1983; 133(2):363–71 (Eng. Abstr.) **(Ger)**

[MAO–(monoamine oxidase–)inhibitor plus lithium. 1. Choice in psychopathologic rapidly changing bipolar manic–depressive patients (rapid cyclers)] Rogan M, et al.
Wien Klin Wochenschr 1983 Jul 8;95(14):498–502 (Eng. Abstr.) **(Ger)**

[Kidney function tests during preventive lithium therapy] Lipcsey A, et al. **Orv Hetil** 1984 Apr 8;125(15):883–5 (Eng. Abstr.) **(Hun)**

[Psoriasis and lithium carbonate. Apropos of 2 clinical cases] Pincelli C, et al. **G Ital Dermatol Venereol** 1982 Mar–Apr; 117(2):113–5 (Eng. Abstr.) **(Ita)**

[Apropos of the use of trazodone in antidepressive therapy. Personal clinical contribution] Rovera GG, et al.
Minerva Psichiatr 1984 Jan–Mar;25(1):49–54 (Eng. Abstr.) **(Ita)**

[Effect of treatment of patients with bipolar depression with optimal doses of amitriptyline on the EEG patterns during sleep and wakefulness] Ekiert H, et al. **Psychiatr Pol** 1983; 17(1):39–46 (Eng. Abstr.) **(Pol)**

[Effect of amitriptyline on the activity of enzymes participating in biogenic amine metabolism in patients with affective disorders] Matsumoto H, et al. **Psychiatr Pol** 1983 Sep–Dec;17(5–6):417–20 (Eng. Abstr.) **(Pol)**

[Symptomatology of circular depression and prediction of the efficacy of treatment with tricyclic antidepressants] Zaitsev SG, et al. **Zh Nevropatol Psikhiatr** 1983; 83(8):1198–1205 (Eng. Abstr.) **(Rus)**

[Hypothyroidism secondary to prolonged treatment with lithium carbonate (letter)] Reverter JC, et al.
Med Clin (Barc) 1983 Nov 12;81(15):695–6 **(Spa)**

ENZYMOLOGY

Sensitivity of RBC membrane Ca2+–adenosine triphosphatase to calmodulin stimulation. Variations in patients with bipolar affective disorders. MacDonald E, et al. **Arch Gen Psychiatry** 1984 May;41(5):487–93

Serum dopamine–beta–hydroxylase activity in female manic–depressive patients. Rihmer Z, et al.
Biol Psychiatry 1984 Mar;19(3):423–7

The Na,K–ATPase hypothesis for manic–depression. I. General considerations. el–Mallakh RS. **Med Hypotheses** 1983 Nov;12(3):253–68

Life events and biological vulnerability: a study of life events and platelet MAO activity in depressed patients. Perris H, et al. **Psychiatry Res** 1984 Jun;12(2):111–20

ETIOLOGY

A risk factor strategy for investigating affective illness. Nurnberger JI Jr, et al. **Biol Psychiatry** 1983 Aug; 18(8):903–9

FAMILIAL & GENETIC

Family environments of depressed outpatients. Bromet EJ, et al. **Acta Psychiatr Scand** 1984 Mar;69(3):197–200

Serum dopamine–beta–hydroxylase activity and family history of patients with bipolar manic–depressive illness. Rihmer Z, et al. **Acta Psychiatr Scand** 1983 Aug;68(2):140–1

Genetic analysis of manic–depressive illness. O'Rourke DH, et al. **Am J Phys Anthropol** 1983 Sep;62(1):51–9

Early child–rearing practices in families with a manic–depressive parent. Davenport YB, et al.
Am J Psychiatry 1984 Feb;141(2):230–5

Amish study, V: Lithium–sodium countertransport and catechol O–methyltransferase in pedigrees of bipolar probands. Egeland JA, et al. **Am J Psychiatry** 1984 Sep; 141(9):1049–54

Social and affective development in infants with a manic–depressive parent. Gaensbauer TJ, et al.
Am J Psychiatry 1984 Feb;141(2):223–9

Amish study, IV: Genetic linkage study of pedigrees of bipolar probands. Kidd KK, et al. **Am J Psychiatry** 1984 Sep;141(9):1042–8

On the study of children of parents with affective disorders [editorial] Solnit AJ, et al. **Am J Psychiatry** 1984 Feb; 141(2):241–2

Is delusional depression related to bipolar disorder? Weissman MM, et al. **Am J Psychiatry** 1984 Jul;141(7):892–3

Problem behaviors and peer interactions of young children with a manic–depressive parent. Zahn–Waxler C, et al.
Am J Psychiatry 1984 Feb;141(2):236–40

Beta–adrenoceptor binding defects in cell lines from families with manic–depressive disorder. Wright AF, et al.
Ann Hum Genet 1984 Jul;48 (Pt 3):201–14

Psychiatric disorders in the relatives of probands with affective disorders. The Yale University—National Institute of Mental Health Collaborative Study. Weissman MM, et al. **Arch Gen Psychiatry** 1984 Jan;41(1):13–21

A family study of bipolar II disorder. Coryell W, et al.
Br J Psychiatry 1984 Jul;145:49–54

Affective disorder, paranatal and educational factors in the offspring of bipolar manic–depressives. Waters B, et al.
Can J Psychiatry 1983 Nov;28(7):527–31

Altruism, aggression, and social interactions in young children with a manic–depressive parent. Zahn–Waxler C, et al. **Child Dev** 1984 Feb;55(1):112–22

Affective disorder not linked to HLA in a large bipolar kindred. Campbell J, et al. **J Affective Disord** 1984 Aug; 7(1):45–51

Outcomes on lithium treatment as a tool for genetic studies in affective disorders. Smeraldi E, et al.
J Affective Disord 1984 Apr;6(2):139–51

Bipolar illness preceded by anorexia nervosa in identical twins. Hsu LK, et al. **J Clin Psychiatry** 1984 Jun; 45(6):262–6

Factors affecting the distribution of age at onset in patients with affective disorders. Smeraldi E, et al.
J Psychiatr Res 1982–83;17(3):309–17

Erythrocyte lithium transport variables as a marker for manic–depressive disorder. Waters B, et al.
Neuropsychobiology 1983;9(2–3):94–8

Relatives of unipolar and bipolar patients have normal pursuit. Levy DL, et al. **Psychiatry Res** 1983 Dec; 10(4):285–93

CSF 5HIAA and personal and family history of suicide in affectively ill patients: a negative study. Roy–Byrne P, et al. **Psychiatry Res** 1983 Dec;10(4):263–74

Bipolar mood disorders: an affected sibling study. I. Genetic background and course of illness. Pritz WF, et al.
Psychopathology 1984;17(2):67–79

HISTORY

The first patient to receive lithium. Davies B.
Aust NZ J Psychiatry 1983 Dec;17(4):366–8

Isaac Newton: mercury poisoning or manic depression? Lieb J, et al. **Lancet** 1983 Dec 24–31;2(8365–66):1479–80

METABOLISM

Positron emission tomographic study of affective disorders: problems and strategies. Phelps ME, et al. **Ann Neurol** 1984; 15 Suppl:S149–56

Intracellular calcium ions in affective disorders: a review and an hypothesis. Dubovsky SL, et al. **Biol Psychiatry** 1983 Jul;18(7):781–97

Elevated vanadium content of hair and mania. Naylor GJ, et al. **Biol Psychiatry** 1984 May;19(5):759–64

Muscarinic cholinergic receptors on skin fibroblasts in familial affective disorder. Nadi NS, et al.
N Engl J Med 1984 Jul 26;311(4):225–30

Cholinergic mechanisms in affective disorders [editorial] Snyder SH. **N Engl J Med** 1984 Jul 26;311(4):254–5

[Study of noradrenaline metabolism in depressed patients by the determination of plasma dihydroxyphenylethylene glycol] Lôo H, et al. **Encephale** 1983;9(4):297–316 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Ventricular size and psychosis in affective disorder [letter] Luchins DJ, et al. **Biol Psychiatry** 1983 Oct;18(10):1197–8

CT scan studies of superficial cerebral regions: frequency and distribution of abnormalities in elderly psychiatric patients. Benes FM, et al. **Neurobiol Aging** 1983 Winter; 4(4):289–95

Lateral ventricular enlargement associated with persistent unemployment and negative symptoms in both schizophrenia and bipolar disorder. Pearlson GD, et al.
Psychiatry Res 1984 May;12(1):1–9

PHYSIOPATHOLOGY

Regional cerebral blood flow and lateralized hemispheric dysfunction in depression. Uytdenhoef P, et al.
Br J Psychiatry 1983 Aug;143:128–32

Glycine: a possible role in lithium's action and affective illness. Deutsch SI, et al. **Neuropsychobiology** 1983; 9(4):215–8 (19 ref.)

Prolactin and growth hormone response to levodopa in affective illness. Linkowski P, et al. **Neuropsychobiology** 1983;9(2–3):108–12

Behavioral, physiological, and neuroendocrine responses to arecoline in normal twins and 'well state' bipolar patients. Nurnberger JI Jr, et al. **Psychiatry Res** 1983 Jul; 9(3):191–200

[Cerebral blood flow and depression] Uytdenhoef P, et al.
Acta Psychiatr Belg 1984 Mar–Apr;84(2):93–9 (Eng. Abstr.) **(Fre)**

[Activation motor response in depressive states. Changes in the Hoffmann reflex during psychomotor testing] Grillon C, et al. **Encephale** 1983;9(3):263–72 (Eng. Abstr.) **(Fre)**

[Laterality of hospitalized endogenous–depression patients] Ulrich G, et al. **Arch Psychiatr Nervenkr** 1983; 233(6):457–69 (Eng. Abstr.) **(Ger)**

[Recovery curves of the soleus H–reflex in endogenous depression] Schläfke D, et al.
Psychiatr Neurol Med Psychol (Leipz) 1983 Jul;35(7):385–9 (Eng. Abstr.) **(Ger)**

[Correlations between the EEG pattern of sleep and depressive syndrome in patients with bipolar affective disorders before and during treatment with amitriptyline] Ekiert H, et al. **Psychiatr Pol** 1983 Jul–Aug;17(4):287–93 (Eng. Abstr.) **(Pol)**

[EEG pattern of sleep in patients with bipolar affective disorder during treatment with lithium salts] Ekiert H, et al. **Psychiatr Pol** 1983 Jul–Aug;17(4):295–301 (Eng. Abstr.) **(Pol)**

[Opioid peptides as ligands of neuronal receptors] Vartanian ME, et al. **Vopr Med Khim** 1984 May–Jun;30(3):73–9 **(Rus)**

[Features of cerebral–somatic and metabolic shifts in older patients with depressive states] Sinitskiĭ VN, et al.
Zh Nevropatol Psikhiatr 1984;84(4):551–9 (Eng. Abstr.) **(Rus)**

[Role of the age factor in the pathogenesis of manic–depressive psychosis] Sinitskiĭ VN, et al.
Zh Nevropatol Psikhiatr 1983;53(9):1351–8 (Eng. Abstr.) **(Rus)**

[Neurophysiologic aspects of sleep deprivation in depression] Alrapetov RG. **Zh Vyssh Nerv Deiat** 1984 May–Jun; 34(3):429–36 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Renal function in children receiving long–term lithium prophylaxis. Khandelwal SK, et al. **Am J Psychiatry** 1984 Feb;141(2):278–9

Prophylactic efficacy of carbamazepine in manic–depressive illness. Post RM, et al. **Am J Psychiatry** 1983 Dec; 140(12):1602–4

Neurochemical changes during discontinuation of lithium prophylaxis. I. Increases in clonidine–induced hypotension. Goodnick PJ, et al. **Biol Psychiatry** 1984 Jun;19(6):883–9

Long–term prophylactic effects of carbamazepine in affective disorder. Kishimoto A, et al. **Br J Psychiatry** 1983 Oct; 143:327–31

[Suicidal activity of patients with affective disorders during the preventive use of lithium] Hanuš K, et al.
Cesk Psychiatr 1984 Apr;80(2):97–100 (Eng. Abstr.) **(Cze)**

[Preventive treatment with lithium and surgical interventions. Guidelines for therapy] Schou M, et al. **MMW** 1983 Jul 22;125(32–33):705–6 **(Ger)**

[Prophylaxis of manic–depressive psychosis: the use of lithium carbonate in 19 cases] Toledo Ferraz MP, et al. **AMB** 1983 Jan–Feb;29(1–2):28–30 (Eng. Abstr.) **(Por)**

[Personality dynamics during prolonged lithium prevention] Severnyi AA, et al. **Zh Nevropatol Psikhiatr** 1984; 84(4):584–9 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

Undiagnosed vomiting in an older woman: unsuspected bulimia. Jonas JM, et al. **Am J Psychiatry** 1984 Jul; 141(7):902–3

The recurrence of mania: environmental factors and medical treatment. Lieberman PB, et al. **Am J Psychiatry** 1984 Jan; 141(1):77–80

Psychotic mania. Young RC, et al. **Biol Psychiatry** 1983 Oct; 18(10):1167–73

Bipolar illness: correlates of dangerous inpatient behaviour. Yesavage JA. **Br J Psychiatry** 1983 Dec;143:554–7

Hypomania and marital conflict. Lesser AL.
Can J Psychiatry 1983 Aug;28(5):362–6

Suicide in recurrent affective disorder patients. Roy A.
Can J Psychiatry 1984 Jun;29(4):319–22

Social anxiety and substance abuse in affective disorders. Pilkonis PA, et al. **Compr Psychiatry** 1981 Sep–Oct; 22(5):451–7

Continued impairment in persons at risk for bipolar affective disorder: results of a 19–month follow–up study. Klein DN, et al. **J Abnorm Psychol** 1984 Aug;93(3):345–7

Affective disorders and cognitive performance. A clinical report. Kerry RJ, et al. **J Affective Disord** 1983 Nov; 5(4):349–52

Life events and depression. Part 2. Results in diagnostic subgroups, and in relation to the recurrence of depression. Perris H. **J Affective Disord** 1984 Aug;7(1):25–36

State dependence of noradrenergic activity in a rapidly cycling bipolar patient. Ostrow D, et al.
J Clin Psychiatry 1984 Jul;45(7):306–9

Funeral mania in recurrent bipolar affective disorders: reports of three cases. Ranga K, et al. **J Clin Psychiatry** 1984 Jul; 45(7):310–1

Community adjustment among older depressives. Hyer L, et al. **J Clin Psychol** 1984 May;40(3):659–68

Associative disturbance in schizophrenia, schizoaffective disorders, and major affective disorders: comparisons between hospitalization and 1–year follow–up. Rattenbury FR, et al. **J Consult Clin Psychol** 1983 Aug;51(4):621–3

Time perception and affective disorders. Tysk L.
Percept Mot Skills 1984 Apr;58(2):455–64

Anorexic syndromes and affective disorder. Wold PN. **Psychiatr J Univ Ottawa** 1983 Sep;8(3):116–9

Self-reported depression in bipolar groups [letter] Donnelly EF, et al. **Psychiatry Res** 1983 Aug;9(4):355, 357

[Chronopathology of endogenous depressions] Richter P. **Nervenarzt** 1984 Mar;55(3):154–61 **(Ger)**

[Clinical characteristics of the depressive syndrome in unipolar and bipolar affective illness] Parnowski T. **Psychiatr Pol** 1984 Jan–Feb;18(1):1–7 (Eng. Abstr.) **(Pol)**

THERAPY

Postictal excitement following bilateral and right-unilateral ECT. Sackeim HA, et al. **Am J Psychiatry** 1983 Oct; 140(10):1367–8

A treatment outline for depressive disorders. The Quality Assurance Project. **Aust NZ J Psychiatry** 1983 Jun; 17(2):129–46

A meta-analytic comparison of the Beck Depression Inventory and the Hamilton Rating Scale for Depression as measures of treatment outcome. Edwards BC, et al. **Br J Clin Psychol** 1984 May;23 (Pt 2):93–9

The use of ECT for mania in childhood bipolar disorder. Carr V, et al. **Br J Psychiatry** 1983 Oct;143:411–5

ECT as a form of restraint. Jeffries JJ, et al. **Can J Psychiatry** 1983 Dec;28(8):661–3

Dexamethasone suppression, protirelin stimulation, and insulin infusion in subtypes of recovered depressive patients. Kathol RG, et al. **Psychiatry Res** 1983 Jun; 9(2):99–106

Bright white light alleviates depression. Kripke DF, et al. **Psychiatry Res** 1983 Oct;10(2):105–12

[Study of a case of manic-depressive psychosis treated in the acute phase with drugs and family therapy] Seghers A. **Acta Psychiatr Belg** 1984 Jan–Feb;84(1):38–49 (Eng. Abstr.) **(Fre)**

[Initial experiences with regulative music therapy in psychiatric patients] Reinhardt A, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1983 Oct; 35(10):604–10 (Eng. Abstr.) **(Ger)**

[Nocturnal polygraphic studies during the treatment of depressed patients with sleep deprivation] Veín AM, et al. **Zh Nevropatol Psikhiatr** 1984;84(4):577–83 (Eng. Abstr.) **(Rus)**

URINE

Phenylethylamine and tyramine outputs in patients with affective disorders: behavioral and biochemical correlates. Linnoila M, et al. **Adv Biochem Psychopharmacol** 1984; 39:153–7

The determination of urinary 3-methoxy-4-hydroxyphenylglycol excretion in acute schizophreniform and depressed patients. DeLisi LE, et al. **Biol Psychiatry** 1983 Oct;18(10):1189–96

Urinary excretion of biopterin and neopterin in psychiatric disorders. Duch DS, et al. **Psychiatry Res** 1984 Feb; 11(2):83–9

BIRD DISEASES

Hemorrhagic disease in canaries (Serinus canarius). Panigrahy B, et al. **Avian Dis** 1984 Apr–Jun;28(2):536–41

Symposium on caged bird medicine. **Vet Clin North Am [Small Anim Pract]** 1984 Mar; 14(2):145–406

Update on chlamydiosis. Fudge AM. **Vet Clin North Am [Small Anim Pract]** 1984 Mar; 14(2):201–21

Virus disease in pet birds. Gerlach H. **Vet Clin North Am [Small Anim Pract]** 1984 Mar; 14(2):299–316 (27 ref.)

Hospitalization of the avian patient. Harrison GJ. **Vet Clin North Am [Small Anim Pract]** 1984 Mar; 14(2):147–64

Serological investigations concerning the presence of antibodies to arboviruses in wild birds. Antipa C, et al. **Virologie** 1984 Jan–Mar;35(1):5–9

BLOOD

Effect of Nephrostomum ranosum and Apharyngostrigea ibis on serum, proteins and uric acid of the Egyptian heron. Mansour MA, et al. **J Egypt Soc Parasitol** 1984 Jun; 14(1):275–81

Haematological changes in Ardeola ibis ibis (heron) naturally infected with Nephrostomum ranosum and Apharyngostrigea ibis. Mansour MA, et al. **J Egypt Soc Parasitol** 1983 Dec;13(2):455–63

Avian hematology. The basics. Campbell TW, et al. **Vet Clin North Am [Small Anim Pract]** 1984 Mar; 14(2):223–48

Abnormal heterophils in a king shag with aspergillosis. Hawkey CM, et al. **Vet Rec** 1984 Mar 31;114(13):322–4

CHEMICALLY INDUCED

Residues of organochlorine insecticides, industrial chemicals, and mercury in eggs and in tissues taken from healthy and emaciated common loons, Ontario, Canada, 1968–1980. Frank R, et al. **Arch Environ Contam Toxicol** 1983 Nov; 12(6):641–53

Eggshell thickness and reproduction in American kestrels exposed to chronic dietary lead. Pattee OH. **Arch Environ Contam Toxicol** 1984 Jan;13(1):29–34

Effects on birds of fenthion aerial application for mosquito control. DeWeese LR, et al. **J Econ Entomol** 1983 Aug; 76(4):906–11

Azodrin poisoning of waterfowl in rice fields in Louisiana. White DH, et al. **J Wildl Dis** 1983 Oct;19(4):373–5

Probable diazinon poisoning in peafowl: a clinical description. Alexander JP. **Vet Rec** 1983 Nov 12; 113(20):470

Chlorpyrifos and wildlife [letter] Simpson VR. **Vet Rec** 1984 Jan 28;114(4):101–2

Teratological examination of the insecticide methylparathion (Wofatox 50 EC) on pheasant embryos. I. Morphological study. Várnagy L, et al. **Vet Res Commun** 1984 May; 8(2):131–9

[Experimental poisoning of pheasant chicks with nitrates and nitrites in drinking water] Strnad Z, et al. **Vet Med (Praha)** 1983 Sep;28(9):541–7 (Eng. Abstr.) **(Cze)**

DIAGNOSIS

Disseminated cryptococcosis in a macaw. Clipsham RC, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1303–5

Trichomoniasis of the crop in a cockatiel. Murtaugh RJ, et al. **J Am Vet Med Assoc** 1984 Aug 15;185(4):441–2

Systemic salmonellosis in an African gray parrot and salmonella osteomyelitis in canaries. Panigrahy B, et al. **J Am Vet Med Assoc** 1983 Sep 15;183(6):699–700

Serratia marcescens infection in a blue and gold macaw. Quesenberry KE, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1302–3

Aspergillosis in a red-crowned crane. Stroud RK, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1297–8

Tularemia in a rough-legged buzzard (Buteo lagopus) and a ural owl (Strix uralensis). Mörner T, et al. **J Wildl Dis** 1983 Oct;19(4):360–1

Alimentary foreign body in an Amazon parrot. Wells S. **Mod Vet Pract** 1984 May;65(5):385–6

Submission of diagnostic samples to a laboratory. Harrison LR, et al. **Vet Clin North Am [Small Anim Pract]** 1984 Mar;14(2):165–72

Clinical experience with avian laboratory diagnostics. Woerpel RW, et al. **Vet Clin North Am [Small Anim Pract]** 1984 Mar; 14(2):249–86

Neurofibromas in a macaw (Ara chloroptera): morphologic and immunocytochemical diagnosis. Bossart GD. **Vet Pathol** 1983 Nov;20(6):773–6

Chlamydiosis in collared doves [letter] de Gruchy PH. **Vet Rec** 1983 Oct 1;113(14):327

Intestinal trematodiasis in falcons (order Falconiformes). Greenwood AG, et al. **Vet Rec** 1984 May 12;114(19):477–8

[Echinuriasis in 2 black swans. A case contribution on diagnosis] Takla M, et al. **Tierarztl Prax** 1983;11(3):331–8 **(Ger)**

[Differential serodiagnosis of pigeon salmonellosis by determination of IgG and IgM antibodies using immunoenzyme test] Schmeer N, et al. **Zentralbl Veterinarmed [B]** 1983 Jul;30(6):415–24 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Treatment of nematodiasis in poultry and game birds with fenbendazole. Kirsch R. **Avian Dis** 1984 Apr–Jun; 28(2):311–8

Nebulization for avian respiratory disease. Miller TA. **Mod Vet Pract** 1984 Apr;65(4):309–11

Therapeutics in avian medicine. Flock vs. individual bird treatment regimens. Clubb SL. **Vet Clin North Am [Small Anim Pract]** 1984 Mar; 14(2):345–61

Lead poisoning in cygnets [letter] **Vet Rec** 1984 Feb 25; 114(8):203

Lead poisoning in cygnets [letter] King MA. **Vet Rec** 1984 Feb 4;114(5):127

ETIOLOGY

Sudden death syndrome in broiler breeders. Hopkinson WI, et al. **Aust Vet J** 1983 Jun;60(6):192–3

Suspected vitamin E-selenium deficiency in two ostriches. Van Heerden J, et al. **J S Afr Vet Assoc** 1983 Mar; 54(1):53–4

Fatal enteritis caused by Sphaeridiotrema globulus (Trematoda: Psilostomidae) in a whistling swan. Roscoe DE, et al. **J Wildl Dis** 1983 Oct;19(4):370–1

Hemorrhagic enteritis in captive American kestrels (Falco sparverius). Sileo L, et al. **J Wildl Dis** 1983 Jul;19(3):244–7

Capture myopathy in a free-flying greater sandhill crane (Grus canadensis tabida) from Wisconsin. Windingstad RM, et al. **J Wildl Dis** 1983 Jul;19(3):289–90

Prolonged haemorrhage following nail clipping. Burton JL. **Lancet** 1983 Dec 24–31;2(8365–66):1484–5

Experimental transmission of Capillaria philippinensis to birds. Cross JH, et al. **Trans R Soc Trop Med Hyg** 1983; 77(4):511–4

Aviculture medicine of psittacine birds. Flammer K. **Vet Clin North Am [Small Anim Pract]** 1984 Mar; 14(2):381–401

Feather disorders. Harrison GJ. **Vet Clin North Am [Small Anim Pract]** 1984 Mar; 14(2):179–99

Suspected reovirus-associated hepatitis in parrots. Ashton WL, et al. **Vet Rec** 1984 May 12;114(19):476–7

Mortality associated with vaccination of pigeons against paramyxovirus type 1 [letter] Wallis AS. **Vet Rec** 1984 Jan 14;114(2):51–2

[Abdominal tumors as a cause of lameness in parakeets] Neumann U, et al. **Tierarztl Prax** 1983;11(4):477–81 **(Ger)**

[Viral etiology of a disease accompanied by hepatitis and feather disorders in budgerigar fledgelings (Melopsittacus undulatus)] Kaleta EF, et al. **Zentralbl Veterinarmed [B]** 1984 Apr;31(3):219–24 (Eng. Abstr.) **(Ger)**

FAMILIAL & GENETIC

Nucleotide sequence of the anemic pigeon alpha-globin gene. Structural rearrangements in the cloned cDNA. Pletnev AG, et al. **Gene** 1983 Nov;25(1):93–100

Hereditary cataracts in canaries. Slatter DH, et al. **J Am Vet Med Assoc** 1983 Oct 15;183(8):872–4

IMMUNOLOGY

Primary antibody responses of herons to experimental infection with Murray Valley encephalitis and Kunjin viruses. Boyle DB, et al. **Aust J Exp Biol Med Sci** 1983 Dec;61 (Pt 6):665–74

Inclusion body disease of cranes: a serological follow-up to the 1978 die-off. Docherty DE, et al. **Avian Dis** 1983 Jul–Sep;27(3):830–5

[Avian chlamydiosis. II. Wild pigeons] Miyake T, et al. **Kansenshogaku Zasshi** 1983 Sep;57(9):788–93 (Eng. Abstr.) **(Jpn)**

[Avian chlamydiosis. (1) Imported birds] Miyake T, et al. **Kansenshogaku Zasshi** 1983 Jul;57(7):570–5 (Eng. Abstr.) **(Jpn)**

METABOLISM

Effect of acute stress on catecholamine content in the hypothalamic nuclei of Japanese quail. Juráni M, et al. **Br Poult Sci** 1984 Jan;25(1):91–8

Pathophysiology of excessive iron storage in mynah birds. Gosselin SJ, et al. **J Am Vet Med Assoc** 1983 Dec 1; 183(11):1238–40

Histochemical analysis of liver cells from short term, aflatoxin-dosed and nondosed Coturnix coturnix japonica. 1. Aflatoxin-sensitive quail. Dashek WV, et al. **Poult Sci** 1983 Dec;62(12):2347–59

MICROBIOLOGY

Mixed infections with tick-borne viruses in a seabird colony in Eire. Nuttall PA, et al. **Arch Virol** 1984;79(1–2):35–44

Experimental louping-ill virus infection of black grouse (Tetrao tetrix). Reid HW, et al. **Arch Virol** 1983; 78(3–4):299–302

Primary viraemia responses of herons to experimental infection with Murray Valley encephalitis, Kunjin and Japanese encephalitis viruses. Boyle DB, et al. **Aust J Exp Biol Med Sci** 1983 Dec;61 (Pt 6):655–64

Mycoplasma challenge studies in budgerigars (Melopsittacus undulatus) and chickens. Bozeman LH, et al. **Avian Dis** 1984 Apr–Jun;28(2):426–34

Papilloma-like virus infection in an African gray parrot. Jacobson ER, et al. **J Am Vet Med Assoc** 1983 Dec 1; 183(11):1307–8

Mycoplasma gallisepticum infection in wild-type turkeys living in close contact with domestic fowl. Jessup DA, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1245–7

Isolation and serological survey of chlamydiosis in feral pigeons and crows in Hokkaido. Chiba N, et al. **Nippon Juigaku Zasshi** 1984 Apr;46(2):243–5

Avian paramyxovirus type 1 infections of racing pigeons: 2 pathogenicity experiments in pigeons and chickens. Alexander DJ, et al. **Vet Rec** 1984 May 12;114(19):466–9

Isolation of Chlamydia psittaci from newly imported keas (Nestor notabilis). Johnson FW, et al. **Vet Rec** 1984 Mar 24;114(12):298–9

OCCURRENCE

The house sparrow (Passer domesticus) as a sentinel for St. Louis encephalitis virus. McLean RG, et al. **Am J Trop Med Hyg** 1983 Sep;32(5):1120–9

Incidence and some ecological aspects of avian trypanosomes in Czechoslovakia. Kučera J. **Folia Parasitol (Praha)** 1983; 30(3):209–22

Epidemiologic and laboratory observations of Chlamydia psittaci infection in pet birds. Mohan R. **J Am Vet Med Assoc** 1984 Jun 1;184(11):1372–4

Contact of birds with tick-borne encephalitis virus in the eastern part of the Russian plain. Korenberg EI, et al. **J Hyg Epidemiol Microbiol Immunol** 1984;28(1):65–72

Zoonoses in psittacine birds [letter] Panigrahy B, et al. **J Infect Dis** 1984 Jan;149(1):123–4

Haemoproteus and Leucocytozoon infections in birds of the Oklahoma City Zoo. Halpern N, et al. **J Wildl Dis** 1983 Oct;19(4):330–2

An outbreak of botulism in waterfowl and fly larvae in New York State. Shayegani M, et al. **J Wildl Dis** 1984 Apr; 20(2):86–9

Lead burden in mute swans from Denmark. Clausen B, et al. **Nord Vet Med** 1982 Mar;34(3):83–91

Lead exposure from lead pellets: age-related accumulation

in mute swans. Eskildsen J, et al. **Toxicol Lett** 1984 May; 21(2):225–9

Paramyxovirus infection of pigeons. **Vet Rec** 1984 Mar 10; 114(10):232

Chlamydiosis in budgerigars [letter] Walker DA. **Vet Rec** 1983 Nov 5;113(19):453

Observations on malaria in European perching birds (passeriformes). Haberkorn A.
Zentralbl Bakteriol Mikrobiol Hyg [A] 1984 Mar; 256(3):288–95

[Incidence of influenza virus infection in black-headed gulls] Roslaia IG, et al. **Vopr Virusol** 1984 Mar–Apr;29(2):155–7 (Eng. Abstr.) **(Rus)**

[Results of the study of bird droppings collected in the Lithuanian SSR for the purpose of searching out tularemia epizootics] Moteiunas LI, et al.
Zh Mikrobiol Epidemiol Immunobiol 1984 Feb;(2):67–71 (Eng. Abstr.) **(Rus)**

PARASITOLOGY

Tetrameres columbicola (Nematoda: Spiruridae) infection of pigeons: ultrastructure of the gravid female in glands of the proventriculus. Simpson CF, et al. **Am J Vet Res** 1984 Jun;45(6):1184–92

Experimental Ascaridia columbae infections in budgerigars. Mines JJ, et al. **Aust Vet J** 1983 Sep;60(9):279–80

Muscle Sarcocystosis in pheasants and first records of the genus Sarcocystis in Phasianus colchicus Linné, 1758 in Czechoslovakia. Cerná Z, et al. **Folia Parasitol (Praha)** 1984;31(1):85–8

Conjunctivitis caused by Thelazia sp in a Senegal parrot. Brooks DE, et al. **J Am Vet Med Assoc** 1983 Dec 1; 183(11):1305–6

Mange caused by Myialges (Metamicrolichus) nudus in a gray-cheeked parakeet. Greve JH, et al.
J Am Vet Med Assoc 1984 Jul 1;185(1):101–2

Leucocytozoon simondi infection in European and American eiders. Miller RE, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1241–4

Cerebrospinal nematodiasis in a cockatiel. Myers RK, et al. **J Am Vet Med Assoc** 1983 Nov 15;183(10):1089–90

Hosts and distribution of the bird-parasitizing tick Ixodes (Ixodes) euplecti in Africa. Hoogstraal H, et al.
J Parasitol 1983 Dec;69(6):1179–81

Endogenous development and pathogenicity of Eimeria angusta in the ruffed grouse, Bonasa umbellus. Barker IK, et al. **J Wildl Dis** 1984 Apr;20(2):100–7

Vertebrate host specificity and experimental vectors of Plasmodium (Novyella) kempi sp. n. from the eastern wild turkey in Iowa. Christensen BM, et al. **J Wildl Dis** 1983 Jul;19(3):204–13

Haemoproteus tinnunculus in the American kestrel (Falco sparverius). Maloney PJ, et al. **J Wildl Dis** 1984 Jan; 20(1):57–8

Mallophaga from five raptor species in Eastern New Mexico. Pfaffenberger GS, et al. **J Wildl Dis** 1984 Jan;20(1):65–6

[Biology of cestodes of domestic ducks and wild water birds] Valkounová J. **Vet Med (Praha)** 1983 Sep;28(9):549–63 (Eng. Abstr.) **(Cze)**

[Large coccidian tissue cysts in the brain of Gracula religiosa (Aves:Sturnidae)] Burtscher H.
Zentralbl Veterinarmed [B] 1983 Sep;30(8):590–9 (Eng. Abstr.) **(Ger)**

[Pathogenicity of hemosporidians (Sporozoa, Haemosporidia) of birds] Val'kiunas GA. **Parazitologiia** 1983 Sep–Oct; 17(5):375–81 (30 ref.) (Eng. Abstr.) **(Rus)**

[Stephanoprora denticulata (Trematoda, Echinostomatidae) in gulls from the south of Chile] Torres P, et al.
Bol Chil Parasitol 1983 Jan–Jun;38(1–2):33–4 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Comparative pathologic features and development of Sphaeridiotrema globulus (Trematoda) infections in the mute swan and domestic chicken and chicken chorioallantois. Huffman JE, et al. **Am J Vet Res** 1984 Feb; 45(2):387–91

The pathology of psittacine beak and feather disease. Pass DA, et al. **Aust Vet J** 1984 Mar;61(3):69–74

A trombiculid mite infestation of canaries. Pass DA, et al. **Aust Vet J** 1983 Jul;60(7):218–9

Nocardiosis in two Pesquet's parrots (Psittrichas fulgidus). Long P, et al. **Avian Dis** 1983 Jul–Sep;27(3):855–9

Oxyphil cells in a red-tailed hawk (Buteo jamaicensis) with nutritional secondary hyperparathyroidism. Long P, et al. **Avian Dis** 1983 Jul–Sep;27(3):839–43

Cryptosporidiosis in domestic birds. Tsai SS, et al.
Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih 1983 Nov;16(4):307–13

Ventricular septal defect and bacterial endocarditis in a whistling swan. Harari J, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1296–7

Pigeon herpesvirus confirmed in South Africa. Pollard B, et al. **J S Afr Vet Assoc** 1983 Dec;54(4):247–8

Histomoniasis in a captive great rhea (Rhea americana). Dhillon AS. **J Wildl Dis** 1983 Jul;19(3):274

Severe disseminated Aspergillosis in a captive Abyssinian tawny eagle (Aquila rapax raptor). Fatunmbi OO, et al. **J Wildl Dis** 1984 Jan;20(1):52–4

Beak and feather dystrophy in wild sulphur-crested cockatoos (Cacatua galerita). McOrist S, et al.
J Wildl Dis 1984 Apr;20(2):120–4

Lymphoproliferative disease in the American goldfinch, Carduelis tristis. Middleton AL, et al. **J Wildl Dis** 1983 Jul;19(3):280–5

Tuberculosis in a Mandarin duck. Gillespie D, et al.
Mod Vet Pract 1982 Sep;63(9):745–7

Pleuritis and peritonitis in a golden eagle. Gullett PA, et al. **Mod Vet Pract** 1984 Jul;65(7):548

Studies on the pathology of an avian trypanosome (T. bouffardi) infection in experimentally infected canaries. Molyneux DH, et al. **Parasitology** 1983 Aug;87 (Pt 1):49–54

Diagnostic cytology in avian medicine. Campbell TW.
Vet Clin North Am [Small Anim Pract] 1984 Mar; 14(2):317–44

Necropsy procedures in birds. Graham DL.
Vet Clin North Am [Small Anim Pract] 1984 Mar; 14(2):173–7

Liver biopsy techniques in avian clinical practice. Kollias GV Jr. **Vet Clin North Am [Small Anim Pract]** 1984 Mar; 14(2):287–98

Phacoanaphylactic endophthalmitis in an owl. Anderson GA, et al. **Vet Pathol** 1983 Nov;20(6):776–8

Nocardia asteroides infection in a purple throated sunbird (Nectarinia sperapa). Parnell MJ, et al. **Vet Pathol** 1983 Jul;20(4):497–500

[Pathomorphology of endomycoses in psittacines] Loupal G. **Zentralbl Veterinarmed [B]** 1984 Mar;31(2):115–30 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Pathogenicity of coccidia in Japanese quail (Coturnix coturnix japonica). Ruff MD, et al. **Poult Sci** 1984 Jan; 63(1):55–60

PREVENTION & CONTROL

The risks and problems connected with the import and export of captive birds. Ashton WL. **Br Vet J** 1984 Jul–Aug; 140(4):317–27

Paramyxovirus in pigeons [letter] Viaene N, Devriese L. **Vet Rec** 1984 Mar 31;114(13):327

[Comparative studies of psittacosis control based on drugs. 1. Blood level reached in Amazona species following oral administration of various medicated foods and parenteral administration of doxycycline at an import station] Jakoby JR, et al. **Berl Munch Tierarztl Wochenschr** 1983 Aug 1; 96(8):261–4 (Eng. Abstr.) **(Ger)**

[Further studies on improving oral psittacosis prevention and therapy in small parrots and various medium-size parakeets] Wachendörfer G, et al.
Berl Munch Tierarztl Wochenschr 1984 Jan 1;97(1):18–21 (Eng. Abstr.) **(Ger)**

SURGERY

Surgical correction of a luxated cataractous lens in a barred owl. Brooks DE, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1298–9

Enucleation in birds of prey. Murphy CJ, et al.
J Am Vet Med Assoc 1983 Dec 1;183(11):1234–7

Mending feathers in raptors. Rowley J. **Mod Vet Pract** 1984 Jan;65(1):37–8

New aspects of avian surgery. Harrison GJ.
Vet Clin North Am [Small Anim Pract] 1984 Mar; 14(2):363–80

THERAPY

Egg binding in caged and aviary birds. Rosskopf WJ, et al. **Mod Vet Pract** 1984 Jun;65(6):437–40

TRANSMISSION

Zoonotic studies on influenza in pigs and birds, India, 1980–81. Rao BL, et al. **Int J Zoonoses** 1983 Jun;10(1):40–4

Turlock virus infection and transmission by Culex mosquitoes (Diptera: Culicidae). Scott TW, et al. **J Med Entomol** 1983 Nov 30;20(6):682–4

Experimental vectors of Haemoproteus meleagridis Levine from wild turkeys in Florida. Atkinson CT, et al.
J Wildl Dis 1983 Oct;19(4):366–8

Rate of digestion of blowfly maggots by ducks. Wobeser G, et al. **J Wildl Dis** 1984 Apr;20(2):154–5

[Can arboviruses from seabird colonies in Brittany infect man?] Chastel C, et al. **Rev Epidemiol Sante Publique** 1983; 31(4):445–57 (Eng. Abstr.) **(Fre)**

BIRD FANCIER'S LUNG see under **ALVEOLITIS, EXTRINSIC ALLERGIC**

BIRD POX see **FOWL POX**

BIRDS

Determination of the DDE and PCB contents of peregrine falcon eggs: a comparison of whole egg measurements and estimates derived from eggshell membranes. Peakall DB, et al. **Arch Environ Contam Toxicol** 1983 Sep;12(5):523–8

The risks and problems connected with the import and export of captive birds. Ashton WL. **Br Vet J** 1984 Jul–Aug; 140(4):317–27

Medicine and birds. Radford P. **Bristol Med Chir J** 1983 Jul;98(367):130–2

Subunits of an avian (ostrich) follicle-stimulating hormone and their hybridization with subunits of mammalian gonadotropins. Licht P, et al. **Gen Comp Endocrinol** 1983 Sep;51(3):414–22

Isolation and complete amino acid sequence of a basic low molecular weight protein from black swan egg white. Simpson RJ, et al. **Int J Pept Protein Res** 1983 Oct; 22(4):476–81

Pesticides: new chemicals under fire [news] Wenz C.
Nature 1984 Jun 28–Jul 4;309(5971):741

Lead poisoning in cygnets [letter] **Vet Rec** 1984 Feb 25; 114(8):203

Avian anaesthesia [letter] Lawton MP. **Vet Rec** 1984 Jul 21; 115(3):71

Blood sampling technique in penguins (Sphenisciformes). Samour HJ, et al. **Vet Rec** 1983 Oct 8;113(15):340

Comparative studies of the use of some injectable anaesthetic agents in birds. Samour JH, et al. **Vet Rec** 1984 Jul 7; 115(1):6–11

[Results of the study of bird droppings collected in the Lithuanian SSR for the purpose of searching out tularemia epizootics] Moteiunas LI, et al.
Zh Mikrobiol Epidemiol Immunobiol 1984 Feb;(2):67–71 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Comparative histometric study in the aortic arch of birds. Pacheco AC, et al. **Anat Anz** 1984;155(1–5):251–5

Mapping of functional activity in the falcon visual system with [14C] 2-deoxyglucose. Bagnoli P, et al.
Exp Brain Res 1984;53(2):217–22

A study of the rete testis epithelium in several wild birds. Barker SG, et al. **J Anat** 1984 Jan;138 (Pt 1):139–52

The coronary circulation of the heart of the ostrich (Struthio camelus). Bezuidenhout AJ. **J Anat** 1984 May;138 (Pt 3):385–97

The accessory pancreatic ducts of the starling Sturnus vulgaris: an ultrastructural and light microscopic study. Vinnicombe SJ, et al. **J Anat** 1983 Sep;137 (Pt 2):341–55

The blood vascular system in the head of the herring gull (Larus argentatus). Midtgård U. **J Morphol** 1984 Feb; 179(2):135–52

Binaural characteristics of units in the owl's brainstem auditory pathway: precursors of restricted spatial receptive fields. Moiseff A, et al. **J Neurosci** 1983 Dec;3(12):2553–62

The shape of birds' eggs. Todd PH, et al. **J Theor Biol** 1984 Jan 21;106(2):239–43

Sensory and central nervous elements in the avian pineal organ. Korf HW, et al. **Ophthalmic Res** 1984;16(1–2):96–101

Retinal pigment epithelial fine structure in the nighthawk (Chordeiles minor). Braekevelt CR. **Ophthalmologica** 1984; 188(4):222–31

Morphometrics of the avian lung. 3. The structural design of the passerine lung. Maina JN. **Respir Physiol** 1984 Mar; 55(3):291–307

Sexing penguins by cloacal examination. Samour HJ, et al. **Vet Rec** 1983 Jul 23;113(4):84–5

The fine structure of the parabronchi and the gas exchange area of the Adelie penguin lung. Drescher HE, et al.
Z Mikrosk Anat Forsch 1983;97(5):863–72

A histomorphological study on the endocrine portion of the pancreas in swan and fowl. Schwarz R, et al.
Z Mikrosk Anat Forsch 1983;97(4):556–64

[Functional and topographic anatomy of the lymph heart and lymphatic system in the pelvic region of water-fowl and ratite birds] Budras KD, et al. **Anat Anz** 1984; 156(3):231–40 (Eng. Abstr.) **(Ger)**

[The lymphatic vessel system and lymphography in birds (1)] Berens von Rautenfeld D, et al. **Tierarztl Prax** 1983; 11(4):469–76 **(Ger)**

BLOOD

Determination of some normal values in blood samples of chicken, pheasant and quail embryos. Várnagy L.
Acta Vet Acad Sci Hung 1982;30(4):217–20

Serum proteins of wild turkey vultures (Cathartes aura). Apanius V, et al. **Comp Biochem Physiol [B]** 1983; 76(4):907–13

Blood levels of serotonin in birds. Paczoska-Eliasiewicz H, et al. **Folia Biol (Krakow)** 1983;31(3):329–35

The development of photorefractoriness in castrated willow ptarmigan (Lagopus lagopus lagopus). Stokkan KA, et al.
Gen Comp Endocrinol 1984 Jun;54(3):402–8

Physiologic properties of steroid hormone-binding proteins in avian blood. Wingfield JC, et al.
Gen Comp Endocrinol 1984 Feb;53(2):281- 2

The amino-acid sequence of alpha A- and beta-chains from the major hemoglobin component of American flamingo (Phoenicopterus ruber ruber). Godovac-Zimmermann J, et al. **Hoppe Seylers Z Physiol Chem** 1984 Apr; 365(4):437–43

Effects of gonadectomy on seasonal changes in plasma LH and prolactin concentrations in male and female starlings (Sturnus vulgaris). Dawson A, et al. **J Endocrinol** 1984 Feb; 100(2):213–8

Blood parameters of one-year-old and seven-year old partridges (Alectoris chukar). Woodard AE, et al.
Poult Sci 1983 Dec;62(12):2492–6

Avian hematology. The basics. Campbell TW, et al.
Vet Clin North Am [Small Anim Pract] 1984 Mar; 14(2):223–48

[Hemoglobins of thecommon starling (Sturnus vulgaris,

Passeriformes). The primary structures of the alphaA, alphaD and beta chains] Oberthür W, et al. **Hoppe Seylers Z Physiol Chem** 1984 Feb;365(2):159–73 (Eng. Abstr.) **(Ger)**

[Hemoglobin of the golden eagle (Aquila chrysaetos, Accipitriformes): amino acid sequence of the alpha A- and beta chains of the principal component] Oberthür W, et al. **Hoppe Seylers Z Physiol Chem** 1983 Jul;364(7):851–8 (Eng. Abstr.) **(Ger)**

CYTOLOGY

Serological evidence of persistence of Japanese encephalitis virus activity in Bihar, India. Loach TR, et al. **Int J Zoonoses** 1983 Jun;10(1):7–14

EMBRYOLOGY

Teratogenicity of methylparathion 18 WP and Wofatox 50 EC in Japanese quail and pheasant embryos, with particular reference to osteal and muscular systems. Várnagy L, et al. **Acta Vet Acad Sci Hung** 1982;30(1–3):135–46

Myogenic cell movement in the developing avian limb bud in presence and absence of the apical ectodermal ridge (AER). Gumpel-Pinot M, et al. **J Embryol Exp Morphol** 1984 Apr;80:105–25

Mutagenicity studies on herring gulls from different locations on the Great Lakes. I. Sister chromatid exchange rates in herring-gull embryos. Ellenton JA, et al. **J Toxicol Environ Health** 1983 Aug–Sep;12(2–3):317–24

Mutagenicity studies on herring gulls from different locations on the Great Lakes. II. Mutagenic evaluation of extracts of herring-gull eggs in a battery of in vitro mammalian and microbial tests. Ellenton JA, et al. **J Toxicol Environ Health** 1983 Aug–Sep;12(2–3):325–36

The ontogeny of the response of the avian embryo heart to autonomic neurotransmitters and to neurotransmitter-like drugs. Higgins D. **Pharmacol Ther** 1983;20(1):53–77 (200 ref.)

Teratological examination of the insecticide methylparathion (Wofatox 50 EC) on pheasant embryos. 1. Morphological study. Várnagy L, et al. **Vet Res Commun** 1984 May; 8(2):131–9

[Programmed and programming embryogenesis using as example the egg tooth of Sauropsids] Preuss F. **Anat Anz** 1983;154(5):361–4 (Eng. Abstr.) **(Ger)**

GENETICS

Extensive chromosomal repatterning in two congeneric species: Pytilia melba, L. and Pytilia phoenicoptera Swainson (Estrildidae; Aves). Christidis L. **Cytogenet Cell Genet** 1983;36(4):641–8

The cellular oncogenes c-myc, c-myb and c-erb are transcribed in defined types of avian hematopoietic cells. Coll J, et al. **Exp Cell Res** 1983 Nov;149(1):151–62

Recurrent patterns of natural selection in a population of Darwin's finches. Price TD, et al. **Nature** 1984 Jun 28–Jul 4;309(5971):787–9

Inbreeding effects on reproductive traits in the ring-necked pheasant. Woodard AE, et al. **Poult Sci** 1983 Sep; 62(9):1725–30

[Typing and number of chromosomes in the common pheasant and rock partridge] Lemáková S. **Vet Med (Praha)** 1984 Feb;29(2):107–11 (Eng. Abstr.) **(Slo)**

GROWTH & DEVELOPMENT

Effects of exogenous prolactin on ovarian growth and fattening in the redheaded bunting, Emberiza bruniceps. Tewary PD, et al. **Gen Comp Endocrinol** 1983 Nov; 52(2):315–8

A comparative study of postnatal growth and organ development in some species of birds. Lilja C. **Growth** 1983 Winter;47(4):317–39

A critical period for the recovery of sound localization accuracy following monaural occlusion in the barn owl. Knudsen EI, et al. **J Neurosci** 1984 Apr;4(4):1012–20

The effect of light intensity, temperature, and diet on growth in red-legged partridge. Hermes JC, et al. **Poult Sci** 1984 May;63(5):871–4

IMMUNOLOGY

Serological evidence of persistence of Japanese encephalitis virus activity in Bihar, India. Loach TR, et al. **Int J Zoonoses** 1983 Jun;10(1):7–14

[Antibody dynamics of carnivorous mammals and corvine birds infected with Francisella tularensis] Sukhanov NA. **Zh Mikrobiol Epidemiol Immunobiol** 1984 May;(5):105–8 (Eng. Abstr.) **(Rus)**

METABOLISM

Saline acclimation and water and sodium transport across avian small intestine. Roberts JR, et al. **Am J Physiol** 1984 Aug;247(2 Pt 2):R246–9

Some histochemical properties of the fiber types in the pectoralis muscle of an emu (Dromaius novaehollandiae). Rosser BW, et al. **Anat Rec** 1984 Jul;209(3):301–5

Residues of organochlorine insecticides, industrial chemicals, and mercury in eggs and in tissues taken from healthy and emaciated common loons, Ontario, Canada, 1968–1980. Frank R, et al. **Arch Environ Contam Toxicol** 1983 Nov; 12(6):641–53

Cholinesterase inhibition of birds inhabiting wheat fields treated with methyl parathion and toxaphene. Niethammer KR, et al. **Arch Environ Contam Toxicol** 1983 Jul; 12(4):471–5

DDE in birds: lethal residues and loss rates. Stickel WH, et al. **Arch Environ Contam Toxicol** 1984 Jan;13(1):1–6

Aroclor 1254 residues in birds: lethal levels and loss rates. Stickel WH, et al. **Arch Environ Contam Toxicol** 1984 Jan; 13(1):7–13

Copper storage in the liver of the wild mute swan (Cygnus olor). Its possible relation to pollution of harbor waters by antifouling paints. Molnar JJ. **Arch Pathol Lab Med** 1983 Dec;107(12):629–32

Chlorinated hydrocarbons in birds and mammals. Chambers PL, et al. **Arch Toxicol [Suppl]** 1983;6:206–12

Androgen receptor levels in hypothalamic and vocal control nuclei in the male zebra finch. Harding CF, et al. **Brain Res** 1984 Jul 23;306(1–2):333–9

Organochlorine insecticide residues and PCBs in tissues of woodcock, mourning doves, and robins from east-central Illinois, 1978–79. Edwards WR, et al. **Bull Environ Contam Toxicol** 1983 Oct;31(4):407–14

Brain cholinesterase activity in fledgling starlings: implications for monitoring exposure of songbirds to ChE inhibitors. Grue CE, et al. **Bull Environ Contam Toxicol** 1984 Mar;32(3):282–9

Mercury in feathers of Swedish gyrfalcons, Falco rusticolus, in relation to diet. Lindberg P. **Bull Environ Contam Toxicol** 1984 Apr;32(4):453–9

Evolutionary trend in the metabolic oxidation of chlorpromazine. Dixon PA. **Comp Biochem Physiol [C]** 1984;77(1):135–7

Metabolism of parathion and brain cholinesterase inhibition in aroclor 1254-treated and untreated Caspian terrapin (Mauremys caspica rivulata, Emydidae, Chelonia) in comparison with two species of wild birds. Yawetz A, et al. **Comp Biochem Physiol [C]** 1983;75(2):377–82

Toxicokinetics, covalent binding and histopathological features of [14C]2-chloro-4-acetotoluidide toxicity in the starling after intravenous administration. Siegel DM, et al. **Exp Mol Pathol** 1983 Oct;39(2):194–206

Properties of hepatic binding sites for prolactin in ring doves (Streptopelia risoria). Buntin JD, et al. **Gen Comp Endocrinol** 1984 Sep;55(3):418–28

Iodine-129 in waterfowl muscle from a radioactive leaching pond complex in southeastern Idaho. Halford DK, et al. **Health Phys** 1984 Jun;46(6):1259–63

Structural studies on O- and N-glycosidically linked carbohydrate chains on Collocalia mucin. Hanisch FG, et al. **Hoppe Seylers Z Physiol Chem** 1984 Feb;365(2):119–28

Monocrotophos and dicrotophos residues in birds as a result of misuse of organophosphates in Matagorda County, Texas. Flickinger EL, et al. **J Assoc Off Anal Chem** 1984 Jul–Aug;67(4):827–8

Gas chromatographic analysis of coyote and magpie tissues for residues of compound 1080 (sodium fluoroacetate). Okuno I, et al. **J Assoc Off Anal Chem** 1984 May–Jun; 67(3):549–53

An explanation of the relationships between mass, metabolic rate and characteristic skeletal length for birds and mammals. Frasier CC. **J Theor Biol** 1984 Aug 7; 109(3):331–71

Tissue lead distribution and hematologic effects in American kestrels (Falco sparverius L.) fed biologically incorporated lead. Custer TW, et al. **J Wildl Dis** 1984 Jan;20(1):39–43

Lead burden in mute swans from Denmark. Clausen B, et al. **Nord Vet Med** 1982 Mar;34(3):83–91

Heavy metals (copper, cadmium, lead, mercury) in mute swans from Denmark. Elvestad K, et al. **Nord Vet Med** 1982 Mar;34(3):92–7

Swan thyroid glands and river algae as indicators of iodine-125 and iodine-131 in the River Trent and its tributaries. Howe JR, et al. **Sci Total Environ** 1984 May 1;35(3):387–401

Studies on the porphyrinogenic action of 1,2,4-trichlorobenzene in birds. Miranda CL, et al. **Toxicology** 1983 Sep;28(1–2):83–92

[Metabolic adaptations to prolonged fasting in birds] Le Maho Y. **J Physiol (Paris)** 1984;79(2):113–9 (Eng. Abstr.) **(Fre)**

MICROBIOLOGY

Incidence of paramyxoviruses in free-living birds in 1978–1982. Tumová B, et al. **Acta Virol (Praha)** 1984 Mar; 28(2):114–21

Characterization of viruses which represent further distinct serotypes (PMV-8 and PMV-9) of avian paramyxoviruses. Alexander DJ, et al. **Arch Virol** 1983;78(1–2):29–36

Isolation of ortho- and paramyxoviruses from wild birds in Western Australia, and the characterization of novel influenza A viruses. Mackenzie JS, et al. **Aust J Exp Biol Med Sci** 1984 Feb;62 (Pt 1):89–99

Atypical disease produced in chickens by Newcastle disease virus isolated from exotic birds. Brugh M, et al. **Avian Dis** 1984 Apr–Jun;28(2):482–8

Isolation of a herpesvirus from a bald eagle nestling. Docherty DE, et al. **Avian Dis** 1983 Oct–Dec;27(4):1162–5

Isolation of Streptococcus zooepidemicus from a bald eagle (Haliaeetus leucocephalus). Locke LN, et al. **Avian Dis** 1984 Apr–Jun;28(2):514–6

Virus isolations from pet birds submitted for importation into the United States. Senne DA, et al. **Avian Dis** 1983 Jul–Sep; 27(3):731–44

Survey of conjunctival flora in the eye of clinically normal, captive exotic birds. Wolf ED, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1232–3

A note on salmonella excretion in the black headed gull (Larus ribibundus) feeding at sewage treatment works. Fricker CR. **J Appl Bacteriol** 1984 Jun;56(3):499–502

A numerical taxonomic study of species of Vibrio isolated from the aquatic environment and birds in Kent, England. West PA, et al. **J Appl Bacteriol** 1983 Oct;55(2):263–82

The herring gull Larus argentatus as a carrier of salmonella. Butterfield J, et al. **J Hyg (Lond)** 1983 Dec;91(3):429–36

The herring gull Larus argentatus as a likely transmitting agent of Salmonella montevideo to sheep and cattle. Coulson JC, et al. **J Hyg (Lond)** 1983 Dec;91(3):437–43

The effect of the use of different selective media on the ability to recover salmonellae from seagull faeces. Fricker CR, et al. **J Hyg (Lond)** 1984 Aug;93(1):35–42

A comparison of procedures for the isolation of campylobacters from seagull faeces. Fricker CR, et al. **J Hyg (Lond)** 1983 Dec;91(3):445–50

Genome of an avian papillomavirus. Moreno-Lopez J, et al. **J Virol** 1984 Sep;51(3):872–5

Prevalence of serologic types of Pasteurella multocida from 57 species of birds and mammals in the United States. Brogden KA, et al. **J Wildl Dis** 1983 Oct;19(4):315–20

Evidence of exposure of waterfowl and other aquatic birds to the hemagglutinating duck adenovirus identical to EDS-76 virus. Gulka CM, et al. **J Wildl Dis** 1984 Jan; 20(1):1–5

Cryptococcosis: an unusual avian source [letter] Glasziou D, et al. **Med J Aust** 1984 Mar 31;140(7):447

Prevalence of Chlamydia psittaci in pet birds maintained in public places or in close human contact. Hirai K, et al. **Nippon Juigaku Zasshi** 1983 Dec;45(6):843–5

Virus disease in pet birds. Gerlach H. **Vet Clin North Am [Small Anim Pract]** 1984 Mar; 14(2):299–316 (27 ref.)

Isolation of infectious bronchitis virus from pheasants [letter] Spackman D, et al. **Vet Rec** 1983 Oct 8;113(15):354–5

Genetic properties of conjugative R plasmids in Escherichia coli and Salmonella isolated from feral and domestic pigeons, crows and kites. Niida M, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Sep; 255(2–3):271–84

Cryptococcus neoformans in fecal matter of birds kept in cages—Control of Cr. neoformans habitats. Staib F, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1984 May; 179(2):179–86

[Passive hemagglutination test with capsular and somatic antigens of Pasteurella multocida strains isolated from birds] Iurukov M, et al. **Vet Med Nauki** 1983;20(8):85–92 (Eng. Abstr.) **(Bul)**

[Epidemiological study of the genus Rhodotorula] Pérez Ramos S, et al. **Rev Sanid Hig Publica (Madr)** 1983 May–Jun;57(5–6):493–8 (Eng. Abstr.) **(Spa)**

[Isolation of Cryptococcus and C. neoformans in bird feces] Pérez Ramos S, et al. **Rev Sanid Hig Publica (Madr)** 1983 Jan–Feb;57(1–2):89–111 (Eng. Abstr.) **(Spa)**

PARASITOLOGY

On the possible role of birds as transport hosts of 3rd-stage trichostrongyle larvae. Preliminary results. Grønvold J. **Acta Vet Scand** 1984;25(1):143–4

Occurrence of Leucocytozoon and Haemoproteus (Apicomplexa, Haemosporina) in Falconiformes and Strigiformes of Italy. Sacchi L, et al. **Ann Parasitol Hum Comp** 1984;59(3):219–26

Ornithodoros (Alectorobius) yunkeri, new species (Acari: Ixodoidea: Argasidae), from seabirds and nesting sites in the Galapagos Islands. Keirans JE, et al. **J Med Entomol** 1984 May 30;21(3):344–50

Taeniarhynchaena micropalamae gen. et sp. n. (Cestoda, dilepididae) from the stilt sandpiper Micropalama himantopus (Bonaparte, 1826). Burt DR. **J Parasitol** 1983 Aug;69(4):750–3

Report of Olfersia coriacea (Diptera: Hippoboscidae) feeding on a human in Panama. Harlan HJ, et al. **J Parasitol** 1983 Dec;69(6):1026

Hosts and distribution of the bird-parasitizing tick Ixodes (Ixodes) euplecti in Africa. Hoogstraal H, et al. **J Parasitol** 1983 Dec;69(6):1179–81

First report of Trichinella spiralis var. pseudospiralis in North America. Wheeldon EB, et al. **J Parasitol** 1983 Aug; 69(4):781–2

Taxonomy and review of the coccidian genus Cryptosporidium (protozoa, apicomplexa). Levine ND. **J Protozool** 1984 Feb;31(1):94–8 (105 ref.)

[Ectoparasites on birds (Passeriformes, Charadriiformes) migrating through the Moravian gateway] Literák I. **Vet Med (Praha)** 1983 Dec;28(12):737–44 (Eng. Abstr.) **(Cze)**

[New filaria of the magpie, Eufilaria kalifai n. sp. (Lemdaninae) and its development in Culicoides nubeculosus] Millet P, et al. **Ann Parasitol Hum Comp** 1984; 59(2):177–87 (Eng. Abstr.) **(Fre)**

[Initial division of Isospora sporozoites from a sparrow in cell culture] Millet P, et al. **Ann Parasitol Hum Comp** 1984; 59(3):321–2 (Eng. Abstr.) **(Fre)**

[Biological cycle of Cyrnea (Procyrnea) mansoni Seurat, 1914, a habronemid nematode parasite of birds of prey in Togo] Quentin JC, et al. **Ann Parasitol Hum Comp** 1983;

58(2):165–75 (Eng. Abstr.) **(Fre)**

[Larval biology of Cyrnea (Cyrnea) eurycerca Seurat, 1914, a habronemid nematode parasite of the francolin in Togo] Seureau C, et al. **Ann Parasitol Hum Comp** 1983; 58(2):151–64 (Eng. Abstr.) **(Fre)**

[Mallophaga from birds and mammals in zoological gardens] Złotorzycka J. **Angew Parasitol** 1983 Aug;24(3):166–78 (Eng. Abstr.) **(Ger)**

[Cyathostoma variegatum (Creplin, 1849) Chapin, 1925 and Cyathostoma lari Blanchard, 1849 (Nematoda, Syngamidae) in Poland] Okulewicz A. **Wiad Parazytol** 1984;30(1):53–6 (Eng. Abstr.) **(Pol)**

[Birds infected with Ornithodorus ticks, virus vectors] Cerny V. **Rev Cubana Med Trop** 1983 May–Aug;35(2):181–5 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Effects of different diets on viability, and gut morphology and bacteriology in captive willow ptarmigan chicks (Lagopus L. lagopus). Hanssen I, et al. **Acta Vet Scand** 1984;25(1):67–75

Metabolic adjustments of small passerine birds for migration and cold. Dawson WR, et al. **Am J Physiol** 1983 Dec; 245(6):R755–67 (181 ref.)

Allometric relations of cardiovascular function in birds. Grubb BR. **Am J Physiol** 1983 Oct;245(4):H567–72

Response of great horned owls given the optical isomers of ketamine. Redig PT, et al. **Am J Vet Res** 1984 Jan; 45(1):125–7

Synergistic effects of Aroclor 1254 and mirex on the semen characteristics of American Kestrels. Bird DM, et al. **Arch Environ Contam Toxicol** 1983 Nov;12(6):633–9

Prey-capturing ability of American kestrels fed DDE and acephate or acephate alone. Rudolph SG, et al. **Arch Environ Contam Toxicol** 1984 May;13(3):367–72

Sexual dimorphism and lack of seasonal changes in vocal control regions of the white-crowned sparrow brain. Baker MC, et al. **Brain Res** 1984 Mar 12;295(1):85–9

Acute and sublethal effects of 1080 on starlings. Balcomb R, et al. **Bull Environ Contam Toxicol** 1983 Dec;31(6):692–8

Brain ChE response in forest songbirds exposed to aerial spraying of aminocarb and possible influence of application methodology and insecticide formulation. Busby DG, et al. **Bull Environ Contam Toxicol** 1983 Aug;31(2):125–31

Effects of lead shot ingestion in willow grouse. Fimreite N. **Bull Environ Contam Toxicol** 1984 Jul;33(1):121–6

Innervation of the avian pineal organ. A comparative study. Sato T, et al. **Cell Tissue Res** 1983;233(2):237–64

Respiratory and blood gas responses in exercising birds. Gleeson M, et al. **Comp Biochem Physiol [A]** 1983; 76(2):211–6 (47 ref.)

Control enzyme levels in the plasma, brain and liver from wild birds and mammals in Britain. Westlake GE, et al. **Comp Biochem Physiol [C]** 1983;76(1):15–24

Courtship stimulates aromatase activity in preoptic area of brain in male ring doves. Dudley SD, et al. **Endocrinology** 1984 Sep;115(3):1224–6

Evidence for neuronal periodicity detection in the auditory system of the Guinea fowl: implications for pitch analysis in the time domain. Langner G. **Exp Brain Res** 1983; 52(3):333–55

Thyroid photoperiod and gonadal regression in the common myna Acridotheres tristis. Chaturvedi CM, et al. **Gen Comp Endocrinol** 1983 Nov;52(2):279–82

Plasma corticosterone in wild starlings (Sturnus vulgaris) immediately following capture and in relation to body weight during the annual cycle. Dawson A, et al. **Gen Comp Endocrinol** 1983 Aug;51(2):303–8

Prolactin is associated with the development of photorefractoriness in intact, castrated, and testosterone-implanted starlings. Goldsmith AR, et al. **Gen Comp Endocrinol** 1984 May;54(2):247–55

Thyroidectomy prevents the development of photorefractoriness and the associated rise in plasma prolactin in starlings. Goldsmith AR, et al. **Gen Comp Endocrinol** 1984 May;54(2):256–63

Annual variation in the concentrations of circulating hormones in capercaillie (Tetrao urogallus). Hissa R, et al. **Gen Comp Endocrinol** 1983 Aug;51(2):183–90

Photoperiodic time measurement in seasonal reproduction of the weaver bird (Ploceus philippinus). Pavgi S, et al. **Gen Comp Endocrinol** 1983 Oct;52(1):126–33

Thyroid and annual gonad development, body weight, plumage pigmentation, and bill color cycles of lal munia, Estrilda amandava. Thapliyal JP, et al. **Gen Comp Endocrinol** 1984 Jul;55(1):20–8

Thyroid and gonad in the oxidative metabolism, erythropoiesis, and light response of the migratory redheaded bunting, Emberiza bruniceps. Thapliyal JP, et al. **Gen Comp Endocrinol** 1983 Sep;51(3):444–53

Notes on the comparative mechanics of hearing. I.A shock-proof ear. Kohllöffel LU. **Hear Res** 1984 Jan; 13(1):73–6

Notes on the comparative mechanics of hearing. II. On cochlear shunts in birds. Kohllöffel LU. **Hear Res** 1984 Jan;13(1):77–81

Evidence for androgen independence of male mounting behavior in white-crowned sparrows (Zonotrichia leucophrys gambelii). Moore MC, et al. **Horm Behav** 1983 Dec;17(4):414–23

Variations in circulating thyroxine and triiodothyronine concentration in relation to spring migration in rosy pastor, Sturnus roseus. Pathak VK, et al. **Horm Behav** 1984 Jun; 18(2):111–6

Mechanics of gliding in birds with special reference to the influence of the ground effect. Blake RW. **J Biomech** 1983; 16(8):649–54

Timing of incubation bouts by ring doves (Streptopelia risoria). Ball GF, et al. **J Comp Psychol** 1983 Sep; 97(3):213–25

Thyroxine induces photorefractoriness and stimulates prolactin secretion in European starlings (Sturnus vulgaris). Goldsmith AR, et al. **J Endocrinol** 1984 Apr;101(1):R1–3

Heart rate and aerobic metabolism in Humboldt penguins, Spheniscus humboldti, during voluntary dives. Butler PJ, et al. **J Exp Biol** 1984 Jan;108:419–28

Modification of synapses in androgen-sensitive muscle. I. Hormonal regulation of acetylcholine receptor number in the songbird syrinx. Bleisch W, et al. **J Neurosci** 1984 Mar; 4(3):786–92

Monaural occlusion alters sound localization during a sensitive period in the barn owl. Knudsen EI, et al. **J Neurosci** 1984 Apr;4(4):1001–11

Segregation of stimulus phase and intensity coding in the cochlear nucleus of the barn owl. Sullivan WE, et al. **J Neurosci** 1984 Jul;4(7):1787–99

Time and intensity cues are processed independently in the auditory system of the owl. Takahashi T, et al. **J Neurosci** 1984 Jul;4(7):1781–6

Progression of change following median nerve section in the cortical representation of the hand in areas 3b and 1 in adult owl and squirrel monkeys. Merzenich MM, et al. **Neuroscience** 1983 Nov;10(3):639–65

Behavioral and physiological effects of capsaicin in red-winged blackbirds. Mason JR, et al. **Pharmacol Biochem Behav** 1983 Nov;19(5):857–62

Circadian rhythms in house sparrows: lighting ad lib. Binkley S, et al. **Physiol Behav** 1983 Dec;31(6):829–37

Grower diets and bird density effects on growth and cannibalism in ring-necked pheasants. Cain JR, et al. **Poult Sci** 1984 Mar;63(3):450–7

Effect of environmental stressors on male reproduction. Edens FW. **Poult Sci** 1983 Aug;62(8):1676–89 (94 ref.)

Avian reproduction: a sociobiological perspective. Graves HB. **Poult Sci** 1983 Aug;62(8):1667–70

The effect of ambient temperature and energy level on reproduction in Red-Legged partridges. Hermes JC, et al. **Poult Sci** 1983 Jul;62(7):1160–8

Effect of photoperiod on body weight and reproductive performance of ringneck pheasants. Mashaly MM, et al. **Poult Sci** 1983 Oct;62(10):2109–13

Hormonal control of reproductive behavior in the avian male. Ottinger MA. **Poult Sci** 1983 Aug;62(8):1690–9 (99 ref.)

Panting in the emu causes arterial hypoxemia. Jones JH, et al. **Respir Physiol** 1983 Nov;54(2):189–95

Forebrain lesions disrupt development but not maintenance of song in passerine birds. Bottjer SW, et al. **Science** 1984 May 25;224(4651):901–3

The ultraviolet receptor of bird retinas. Chen DM, et al. **Science** 1984 Jul 20;225(4659):337–40

Early auditory experience aligns the auditory map of space in the optic tectum of the barn owl. Knudsen EI. **Science** 1983 Nov 25;222(4626):939–42

The effects of organochlorine compounds on British birds of prey. Bogan JA, et al. **Vet Res Commun** 1983 Dec; 7(1–4):119–24

[Biomechanics of the skull and the beak in Rampnastos (Ramphastidae, Aves) I. Description of anatomical elements] Höfling E, et al. **Gegenbaurs Morphol Jahrb** 1984; 130(1):125–47 (Eng. Abstr.) **(Fre)**

[Biomechanics of the skull and the bill in Ramphastos (Ramphastidae, Aves). II. Analysis of the conditions of movement of the bill] Höfling E, et al. **Gegenbaurs Morphol Jahrb** 1984;130(2):235–62 (Eng. Abstr.) **(Fre)**

[Formation of visual evoked potentials and development of visually guided behavior in the Ficedula hypoleuca nestling] Khaiutin SN, et al. **Zh Vyssh Nerv Deiat** 1983 Jul–Aug;33(4):685–93 (Eng. Abstr.) **(Rus)**

SURGERY

New aspects of avian surgery. Harrison GJ. **Vet Clin North Am [Small Anim Pract]** 1984 Mar; 14(2):363–80

Avian anaesthesia [letter] Forbes NA. **Vet Rec** 1984 Aug 11;115(6):134

Unusual anaesthetic complication in a pelican [letter] Reynolds WT. **Vet Rec** 1983 Aug 27;113(9):204

BIRTH CERTIFICATES

Occupation/industry of parents on birth certificates [letter] Brockert JE. **Am J Public Health** 1984 Jun;74(6):623

Birth complication reporting: the effect of birth certificate design. Frost F, et al. **Am J Public Health** 1984 May; 74(5):505–6

Population-based intrauterine growth curves from computerized birth certificates. David RJ. **South Med J** 1983 Nov;76(11):1401–6

BIRTH CONTROL see **FAMILY PLANNING**

BIRTH DEFECTS see **ABNORMALITIES**

BIRTH INJURIES

Neonatal brachial artery occlusion from an umbilical cord tourniquet. Couser RJ, et al. **J Pediatr** 1984 Feb; 104(2):286–9

Traumatic, nonparalytic dislocation of the shoulder in a newborn infant. Kuhn D, et al. **J Pediatr Orthop** 1984 Jan; 4(1):121–2

[Unusual birth injury of the scrotum] Meixner J. **Zentralbl Gynakol** 1983;105(20):1326–8 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Traumatic distal femoral periostitis of the newborn: a breech delivery birth injury. Rutherford Y, et al. **J Natl Med Assoc** 1983 Oct;75(10):933–5

Proximal femoral epiphysiolysis in the neonate. Ogden JA, et al. **J Pediatr Orthop** 1984 May;4(3):285–92

Cortical blindness in infancy: a follow-up study. Ronen S, et al. **Ophthalmologica** 1983;187(4):217–21

[Case of post-traumatic paralysis of the peroneal nerve in a newborn infant] Samojłowicz J. **Wiad Lek** 1983 May 15; 36(10):867–8 **(Pol)**

[Several neuroendocrine aspects of sexual development of girls who had suffered asphyxia neonatorum or intracranial birth injury] Kononenko TA, et al. **Akush Ginekol (Mosk)** 1984 May;(5):50–3 (Eng. Abstr.) **(Rus)**

[Neurologic aspects of the problem of scoliosis in children] Ratner AIu, et al. **Ortop Travmatol Protez** 1984 Mar; (3):34–7 (Eng. Abstr.) **(Rus)**

[Roentgenological characteristics of the respiratory organs in children with birth injuries of the spine and spinal cord] Mikhailov MK, et al. **Vestn Rentgenol Radiol** 1983 Jul–Aug; (4):57–60 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Long-term prognosis for the infant with severe birth trauma. Donn SM, et al. **Clin Perinatol** 1983 Jun;10(2):507–20 (34 ref.)

[Diagnosis and treatment of birth spinal and spinal cord injuries in children] Iukhnova OM, et al. **Ortop Travmatol Protez** 1983 Sep;(7):15–7 (Eng. Abstr.) **(Rus)**

[Early diagnosis of perinatal brain injuries in premature infants] Myznikova NIa, et al. **Pediatriia** 1984 Mar;(3):27–9 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Medial dislocation of the radial head following breech delivery: a case report and review of the literature. Bayne O, et al. **J Pediatr Orthop** 1984 Aug;4(4):485–7

Fatal forceps. Nuijen S, et al. **Med Sci Law** 1983 Oct; 23(4):254–6

Clinical assessment of the Kobayashi vacuum extractor. Maryniak GM, et al. **Obstet Gynecol** 1984 Sep;64(3):431–5

IMMUNOLOGY

[Humoral and non-specific immunity in newborn infants with perinatal brain injuries] Stratulat PM, et al. **Pediatriia** 1983 Oct;(10):17–21 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Birth injury to the cervical spine and spinal cord. Reid H. **Acta Neurochir [Suppl] (Wien)** 1983;32:87–90

Changing patterns of birth asphyxia and trauma over 20 years. Cyr RM, et al. **Am J Obstet Gynecol** 1984 Mar 1; 148(5):490–8

Birth trauma: incidence and predisposing factors. Levine MG, et al. **Obstet Gynecol** 1984 Jun;63(6):792–5

PATHOLOGY

Spinal cord transection, cerebral ischaemic and brain-stem injury in a baby following a Kielland's forceps rotation. Gould SJ, et al. **Neuropathol Appl Neurobiol** 1984 Mar–Apr; 10(2):151–8

PREVENTION & CONTROL

[Participation of pregnant women in prenatal care programs and risk factors in their children] Zak B, et al. **Pol Tyg Lek** 1984 Mar 26;39(13):429–31 (Eng. Abstr.) **(Pol)**

SURGERY

Neonatal surgery II. Kolihová E, et al. **Acta Univ Carol [Med Monogr] (Praha)** 1980;98:1–103

Rotation osteotomy of the humerus for birth injuries of the brachial plexus. Goddard NJ, et al. **J Bone Joint Surg [Br]** 1984 Mar;66(2):257–9

Conservative surgery in neonatal splenic injury. Case reports. Hadley GP, et al. **S Afr J Surg** 1984 May;22(2):97–101

[Perinatal mandibular injury in a premature infant] Maszkiewicz W, et al. **Wiad Lek** 1983 Jul 15;36(14):1217–8 (Eng. Abstr.) **(Pol)**

THERAPY

Immediate management of the traumatized infant. Faix RG, et al. **Clin Perinatol** 1983 Jun;10(2):487–505 (45 ref.)

[Treatment of injuries of the cervical spine in newborn infants] Bairov GA, et al. **Vestn Khir** 1983 Aug;131(8):73–6 (Eng. Abstr.) **(Rus)**

BIRTH INTERVALS

Frequency, spacing, and outcome of pregnancies subsequent to primary cesarean childbirth. Zdeb MS, et al. **Am J Obstet Gynecol** 1984 Sep 15;150(2):205–12

Effects of birth rank, maternal age, birth interval, and sibship size on infant and child mortality: evidence from 18th and 19th century reproductive histories. Knodel J, et al. **Am J Public Health** 1984 Oct;74(10):1098–106

Fetal mortality in oral cleft families (VII): Birth intervals. Dronamraju KR, et al. **Clin Genet** 1984 Apr;25(4):318–22

American family building strategies in 1900: stopping or spacing. Tolnay SE, et al. **Demography** 1984 Feb;21(1):9–18

Lactation and fertility: an examination of nursing and interbirth intervals in cotton-top tamarins (Saguinus o. oedipus). French JA. **Folia Primatol (Basel)** 1983; 40(4):276–82

Morbidity pattern in relation to birth interval and birth order in children. Ahmad P, et al. **Indian J Pediatr** 1982 Sep–Oct; 49(400):689–93

Effect of infant mortality on subsequent fertility of women in Jordan: a life table analysis. Suchindran CM, et al. **J Biosoc Sci** 1984 Apr;16(2):219–29

Child spacing effects: a comparison of institutionalized and normal children. Schubert HJ, et al. **JDBP** 1983 Dec; 4(4):262–4

The effect of birth interval on perinatal survival and birth weight. Fortney JA, et al. **Public Health** 1984 Mar; 98(2):73–83

The fertility impact of spousal separation. Millman SR, et al. **Stud Fam Plann** 1984 May–Jun;15(3):121–6

The effects of birth spacing on child and maternal health. Winikoff B. **Stud Fam Plann** 1983 Oct;14(10):231–45

The Ngaglik study: an inquiry into birth interval dynamics and maternal and child health in rural Java. Hull VJ. **World Health Stat Q** 1983;36(2):100–18 **(Eng, Fre)**

[Sibling age status and neurotic disorder in adulthood] Lieberz K. **Psychother Psychosom Med Psychol** 1983 Nov; 33(6):217–23 (Eng. Abstr.) **(Ger)**

BIRTH ORDER

Early birth order in Briquet's syndrome. Morrison JR. **Am J Psychiatry** 1983 Dec;140(12):1596–8

Maternal reaction to the birth of a second child: another side of sibling rivalry. Young PC, et al. **Child Psychiatry Hum Dev** 1983 Fall;14(1):43–8

Birth order, maternal age, season of birth, and handedness. Badian NA. **Cortex** 1983 Dec;19(4):451–63

The Pittsburgh diabetes mellitus study. 3: An increased prevalence with older maternal age. Wagener DK, et al. **Diabetologia** 1983 Aug;25(2):82–5

Birth order, maternal age and spontaneous abortion [letter] James WH. **Early Hum Dev** 1983 Oct;8(3–4):377–8

Twins and their birth sizes in a Nigerian community. Oni GA. **East Afr Med J** 1983 Jul;60(7):492–7

Morbidity pattern in relation to birth interval and birth order in children. Ahmad P, et al. **Indian J Pediatr** 1982 Sep–Oct; 49(400):689–93

Birthweight and reproductive careers. Carr-Hill R, et al. **J Biosoc Sci** 1983 Oct;15(4):453–64

Comparison of delinquents and nondelinquents in ethnicity, ordinal position, and self-perception. Calhoun G Jr, et al. **J Clin Psychol** 1984 Jan;40(1):323–8

Multiple sclerosis and birth order. James WH. **J Epidemiol Community Health** 1984 Mar;38(1):21–2

Fetal loss rates and their relation to pregnancy order. Roman E. **J Epidemiol Community Health** 1984 Mar;38(1):29–35

Birth of a sibling: effect on mother-first born child interaction. Feiring C, et al. **JDBP** 1983 Sep;4(3):190–5

Effects of parental age and birth order in motor neuron disease. Kondo K, et al. **Jinrui Idengaku Zasshi** 1984 Mar; 29(1):45–50

[The only child and the first-born child, a comparative child psychiatry study] Brandenberger G. **Acta Paedopsychiatr (Basel)** 1984 May;50(1):51–2 **(Ger)**

[Relation between severe asphyxia and birth order in twin pregnancy] Cascioli CF, et al. **Minerva Ginecol** 1983 Oct; 35(10):619–22 (Eng. Abstr.) **(Ita)**

[Outcome of pregnancy and labor for the fetuses and newborn infants of primiparae and multiparae] Khamidov MKh. **Akush Ginekol (Mosk)** 1984 Jul;(7):44–7 (Eng. Abstr.) **(Rus)**

BIRTH RATE

Multiple birth rates in Japan: further analysis. Imaizumi Y, et al. **Acta Genet Med Gemellol (Roma)** 1984;33(1):107–14

Twinning rate by month of mother's birth in Japan. Miura T, et al. **Acta Genet Med Gemellol (Roma)** 1984; 33(1):125–30

Twinning rates and seasonal changes in Görlitz, Germany, from 1611 to 1860. Richter J, et al. **Acta Genet Med Gemellol (Roma)** 1984;33(1):121–4

Indochinese refugee fertility rates and pregnancy risk factors, Oregon. Hopkins DD, et al. **Am J Public Health** 1983 Nov; 73(11):1307–9

Ethnic birth patterns and fetal outcome in Auckland and New Zealand in the 1970's and their medico-social implications. Part I. Birth patterns, fetal infant outcome. Hutchison CP. **Asia Oceania J Obstet Gynaecol** 1984 Mar;10(1):57–62

Ethnic birth patterns and fetal outcome in Auckland and New Zealand in the 1970's and their medico-social implications. Part II. Ethnicity and medico-social implications. Hutchison CP. **Asia Oceania J Obstet Gynaecol** 1984 Mar; 10(1):63–7

Doctors and the Russian birth rate. Ryan M. **Br Med J [Clin Res]** 1984 Mar 10;288(6419):772–3

The negligible influence of premarital cohabitation on marital fertility in current Danish cohorts, 1975. Hoem JM, et al. **Demography** 1984 May;21(2):193–206

Seasonal breeding in humans: birth records of the Labrador Eskimo. Ehrenkranz JR. **Fertil Steril** 1983 Oct;40(4):485–9

Periodicity of human birth at Madurai [letter] Thirumalaikolundusubramanian P, et al. **Indian Pediatr** 1983 Apr;20(4):310–1

Seasonal distribution of births in Australia. Mathers CD, et al. **Int J Epidemiol** 1983 Sep;12(3):326–31

Reproduction in hemophilia. Francis RB Jr, et al. **JAMA** 1983 Dec 16;250(23):3192–5

Birth counts [editorial] **Lancet** 1984 Jun 30;1(8392):1448–9

Chinese example [news] **Nature** 1984 Aug 23–29; 310(5979):612

The impact of U.S. family planning programs on births, abortions and miscarriages, 1970–1979. Forrest JD. **Soc Sci Med** 1984;18(6):461–5

The demographic evidence for the incidence and cause of abnormally low fertility in tropical Africa. Caldwell JC, et al. **World Health Stat Q** 1983;36(1):2–34 **(Eng, Fre)**

[Report on the development of demographic indicators in the year 1982] **Cesk Pediatr** 1983 Oct;38(10):622–5 **(Cze)**

[Birth rate and child mortality in a village of the 17th and 18th centuries] Stephan P. **Arztl Jugendkd** 1984 Jun; 75(3):178–89 (Eng. Abstr.) **(Ger)**

[Information systems for births and mortality in Latin American and Caribbean countries] Natali SE. **Bol Of Sanit Panam** 1984 Jan;96(1):45–56 (Eng. Abstr.) **(Spa)**

BIRTH SPACING see **BIRTH INTERVALS**

BIRTH WEIGHT

see related
INFANT, LOW BIRTH WEIGHT

Social cost of twin births. Papiernik E. **Acta Genet Med Gemellol (Roma)** 1983;32(2):105–11

The tendency to repeat gestational age and birth weight in successive births, related to perinatal survival. Bakketeig LS, et al. **Acta Obstet Gynecol Scand** 1983;62(5):385–92

Estimation of fetal weight by external abdominal measurements. Pschera H, et al. **Acta Obstet Gynecol Scand** 1984;63(2):175–9

Maternal hemoglobin concentration is closely related to birth weight in normal pregnancies. Sagen N, et al. **Acta Obstet Gynecol Scand** 1984;63(3):245–8

Maternal nutritional status and adolescent pregnancy outcome. Frisancho AR, et al. **Am J Clin Nutr** 1983 Nov; 38(5):739–46

The effect of WIC supplemental feeding on birth weight: a case-control analysis. Kennedy ET, et al. **Am J Clin Nutr** 1984 Sep;40(3):579–85

The relationship of birth size to the rate of growth in infancy and childhood. Pomerance HH, et al. **Am J Clin Nutr** 1984 Jan;39(1):95–9

Perinatal mortality: standardizing for birthweight is biased. Wilcox AJ, et al. **Am J Epidemiol** 1983 Dec;118(6):857–64

A causal analysis of birth weight in the offspring of monozygotic twins. Nance WE, et al. **Am J Hum Genet** 1983 Nov;35(6):1211–23

Determinants of birth weight [letter] Burch PR. **Am J Obstet Gynecol** 1983 Oct 15;147(4):473–4

The relationship between serum beta 1-glycoprotein and alpha-fetoprotein levels in the second trimester and birth weight. Haddow JE, et al. **Am J Obstet Gynecol** 1984 Jan 1;148(1):108–9

Smoking, hemoglobin levels, and birth weights in normal pregnancies. Nilsen ST, et al. **Am J Obstet Gynecol** 1984 Mar 15;148(6):752–8

The ultrasound estimation of sex-related variations of intrauterine growth. Parker AJ, et al. **Am J Obstet Gynecol** 1984 Jul 15;149(6):665–9

Characteristics, mortality, and outcome of higher-birth weight infants who require intensive care. Philips JB 3d, et al. **Am J Obstet Gynecol** 1984 Aug 15;149(8):875–9

Femur length in the estimation of fetal weight less than 1500 grams. Seeds JW, et al. **Am J Obstet Gynecol** 1984 May 15;149(2):233–5

Seasonal variation in pre- and postpartum maternal body measurements and infant birth weights. Adair LS, et al. **Am J Phys Anthropol** 1983 Nov;62(3):325–31

Factors associated with birthweight: an exploration of the roles of prenatal care and length of gestation. Showstack JA, et al. **Am J Public Health** 1984 Sep;74(9):1003–8

Cerebral palsy in Riyadh, Saudi Arabia: II. Associations between gestational age, birthweight and cerebral palsy. el Rifai MR, et al. **Ann Trop Paediatr** 1984 Mar;4(1):13–7

Unemployment, birthweight, and growth in the first year. Cole TJ, et al. **Arch Dis Child** 1983 Sep;58(9):717–21

Ethnic birth patterns and fetal outcome in Auckland and New Zealand in the 1970's and their medico-social implications. Part I. Birth patterns, fetal infant outcome. Hutchison CP. **Asia Oceania J Obstet Gynaecol** 1984 Mar;10(1):57–62

An evaluation of ultrasonic fetal weight prediction in a Chinese population using established charts on abdominal circumference and biparietal diameter. Wan CW, et al. **Asia Oceania J Obstet Gynaecol** 1984 Jun;10(2):173–6

The effect of maternal height on the fetal growth of New Zealand European singleton infants: 35–42 weeks' gestation. Buckfield PM, et al. **Aust NZ J Obstet Gynaecol** 1983 May;23(2):85–7

Ultrasonic fetal weight estimation in multiple and singleton pregnancy. Lukacs HA, et al. **Aust Paediatr J** 1984 Mar; 20(1):59–61

Litter size, maternal parameters, and brain and body parameters of neonatal rats. Zamenhof S, et al. **Biol Neonate** 1984;45(6):296–8

Relation between 2,3-diphosphoglycerate concentration in maternal red cells and duration of labour and newborn birth weight in anaemic pregnant women. Zachara B, et al. **Biomed Biochim Acta** 1983;42(9):1205–9

Plus ça change: predictors of birthweight in two national studies. Peters TJ, et al. **Br J Obstet Gynaecol** 1983 Nov; 90(11):1040–5

Psychosocial stress in pregnancy and its relation to low birth weight [letter] Gallacher J, et al. **Br Med J [Clin Res]** 1984 Jun 30;288(6435):1999–2000

Reversal of changes in distribution of gestational age and birth weight among firstborn infants of Cardiff residents. Newcombe RG. **Br Med J [Clin Res]** 1983 Oct 15; 287(6399):1095–7

Analysis of live-and still-birth weight by gestational age. Ogata A, et al. **Bull Osaka Med Sch** 1982 Oct;28(2):106–23

Size-at-birth standards for an urban Canadian population. Blidner IN, et al. **Can Med Assoc J** 1984 Jan 15; 130(2):133–40

Birth weight, length, head circumference and bilirubin level in Indian newborns in the Sioux Lookout Zone, northwestern Ontario. Munroe M, et al. **Can Med Assoc J** 1984 Sep 1;131(5):453–6

The composition and concentration of umbilical cord plasma lipoproteins; their relationship to the birth weight and other clinical factors of the newborn. Skinner ER, et al. **Clin Chim Acta** 1983 Dec 15;135(2):219–28

Causes of variation in birth weight: a study of offspring of twins. Magnus P. **Clin Genet** 1984 Jan;25(1):15–24

Glycosylated fetal hemoglobin. Correlation with hyperglycemia and birth weight in infants of diabetic mothers. Feldman F, et al. **Diabetes** 1984 Jan;33(1):81–5

Associations between size and development at four years among children who were small-for-dates and large-for-dates at birth. Ounsted M, et al. **Early Hum Dev** 1984 Apr;9(3):259–68

Large-for-dates babies at the age of four years: health, handicap and developmental status. Ounsted MK, et al. **Early Hum Dev** 1983 Dec;9(1):9–19

Twins and their birth sizes in a Nigerian community. Oni GA. **East Afr Med J** 1983 Jul;60(7):492–7

Cord serum growth hormone in the human fetus. Sex difference and a negative correlation with birth weight. Furuhashi N, et al. **Gynecol Obstet Invest** 1983;16(2):119–24

Multivariate study of birth weight and maternal heterozygosity for sickle cell anemia in Bahia, Brazil. das Graças de Freitas Sousa M, et al. **Hum Hered** 1984; 34(1):40–5

Birth weight and natural selection. Rajanikumari J, et al. **Hum Hered** 1984;34(3):170–3

Birth weight as an indicator of health. Kumar V, et al. **Indian Pediatr** 1984 Feb;21(2):113–8

Birthweight and perinatal mortality: I. On the frequency distribution of birthweight. Wilcox AJ, et al. **Int J Epidemiol** 1983 Sep;12(3):314–8

Birthweight and perinatal mortality: II. On weight-specific mortality. Wilcox AJ, et al. **Int J Epidemiol** 1983 Sep; 12(3):319–25

Relative birth weight in twins. Nnatu S, et al. **Int J Gynaecol Obstet** 1983 Oct;21(5):377–80

Maternal weight and weight gain in pregnancy and obstetric outcome. Varma TR. **Int J Gynaecol Obstet** 1984 Apr; 22(2):161–6

Early adolescent pregnancy: a comparative study of pregnancy outcome in young adolescents and mature women. Scholl TO, et al. **J Adolesc Health Care** 1984 Jul; 5(3):167–71

Prepregnancy weights and weight gains related to birth weights of infants born to overweight women. George NN, et al. **J Am Diet Assoc** 1984 Apr;84(4):450–2

A consideration of height as a function of prepregnancy nutritional background and its potential influence on birth weight. Luke B, et al. **J Am Diet Assoc** 1984 Feb; 84(2):176–81

Rainfall and birthweight distribution in rural Tanzania. Bantje H, et al. **J Biosoc Sci** 1984 Jul;16(3):375–84

Birthweight and reproductive careers. Carr-Hill R, et al. **J Biosoc Sci** 1983 Oct;15(4):453–64

Somatomedins and insulin in diabetic pregnancies: effects on fetal macrosomia in the human and rhesus monkey. Susa JB, et al. **J Clin Endocrinol Metab** 1984 Jun;58(6):1099–105

Relationship of cigarette smoking and social class to birth weight and perinatal mortality among all births in Britain, 5–11 April 1970. Rush D, et al. **J Epidemiol Community Health** 1983 Dec;37(4):249–55

Cervical and placental colonization by Ureaplasma

urealyticum in pregnant women and fetal outcome [letter] **Kass EH, et al. J Infect Dis** 1984 Feb;149(2):289–90
Current trends in liveborn singleton birthweights. Varner MW, et al. **J Iowa Med Soc** 1983 Nov;73(11):447–50
Philtrum length and intercommissural distance in newborn infants [letter] MéhesK. **J Med Genet** 1984 Feb;21(1):76
Smoking in pregnancy. Dalaker K, et al. **J Oslo City Hosp** 1984 Mar–Apr;34(3–4):21–7
Relation of enteroinsular hormones at birth to macrosomia and neonatal hypoglycemia in infants of diabetic mothers. Knip M, et al. **J Pediatr** 1983 Oct;103(4):603–11
Effect on birth weight of smoking in pregnancy. Young KR. **J R Army Med Corps** 1983 Jun;129(2):101–3
Effects of antenatal care and parity on birthweights of Nigerian children. Jinadu MK, et al. **J R Soc Health** 1983 Oct;103(5):194–5
Intrauterine growth retardation detected in several species by non-normal birthweight distributions. Wootton R, et al. **J Reprod Fertil** 1983 Nov;69(2):659–63
Influence of work during pregnancy on fetal weight. Alegre A, et al. **J Reprod Med** 1984 May;29(5):334–6
Previous cesarean birth. Trial of labor in women with macrosomic infants. Phelan JP, et al. **J Reprod Med** 1984 Jan;29(1):36–40
Causes of neonatal mortality [letter] **JAMA** 1984 Oct 12; 252(14):1853–4
Maternal smoking and perinatal health [editorial] Aubry RH. **JAMA** 1984 Feb 17;251(7):935
Maternal birth weight and subsequent pregnancy outcome. Hackman E, et al. **JAMA** 1983 Oct 21;250(15):2016–9
Maternal alcohol consumption and birth weight. How much drinking during pregnancy is safe? Mills JL, et al. **JAMA** 1984 Oct 12;252(14):1875–9
Weight to place on birth weight [editorial] Petitti DB. **JAMA** 1983 Oct 21;250(15):2032
A clinical trial of change in maternal smoking and its effect on birth weight. Sexton M, et al. **JAMA** 1984 Feb 17; 251(7):911–5
Birth weight and the incidence of childhood cancer. Daling JR, et al. **JNCI** 1984 May;72(5):1039–41
Macrosomy despite well-controlled diabetic pregnancy [letter] **Lancet** 1984 Feb 4;1(8371):283–5
Macrosomia despite well-controlled diabetic pregnancy [letter] Dandona P, et al. **Lancet** 1984 Mar 31;1(8379):737
Macrosomy despite a well-controlled diabetic pregnancy [letter] Knight G, et al. **Lancet** 1983 Dec 17;2(8364):1431
Would more calories per day keep low birthweight at bay? Lind T. **Lancet** 1984 Mar 3;1(8375):501–2
Employment in pregnancy: prevalence, maternal characteristics, perinatal outcome. Murphy JF, et al. **Lancet** 1984 May 26;1(8387):1163–6
The impact of prenatal care on birth weight. Evidence from an international data set. Donaldson PJ, et al. **Med Care** 1984 Feb;22(2):177–88
Relative fetal hypoxia as a contributing factor to fetal macrosomia in diabetic pregnancy. MacFarlane CM, et al. **Med Hypotheses** 1983 Jul;11(3):365–74
On multivariate methods in data reduction and detection of high order interactions—application to factors causing the large fetus. Moussa MA, et al. **Methods Inf Med** 1983 Oct; 22(4):214–7
Complications in fetal macrosomia. Dor N, et al. **NY State J Med** 1984 Jun;84(6):302–5
Use of glycosylated hemoglobin as a screen for macrosomia in gestational diabetes. Baxi L, et al. **Obstet Gynecol** 1984 Sep;64(3):347–50
Glycosylated hemoglobins in normal pregnancy: sequential changes and relation to birth weight. Hanson U, et al. **Obstet Gynecol** 1983 Dec;62(6):741–4
The relationship between birth weight and a number of body measurements of neonates at Dr. Pirngadi Hospital Medan. Hamid N, et al. **Paediatr Indones** 1983 May–Jun; 23(5–6):95–102
Estimating national incidence of group B streptococcal disease: the effect of adjusting for birth weight [letter] Cochi SL, et al. **Pediatr Infect Dis** 1983 Sep–Oct;2(5):414–5
Birth weight and alpha-fetoprotein in the newborn [letter] Mizejewski GJ, et al. **Pediatrics** 1984 May;73(5):736–7
Ethnic differences in birthweight-related parameters with particular reference to possible maternal nutritional risk factors. Condie RG, et al. **Postgrad Med J** 1983 Oct; 59(696):655–6
The effect of birth interval on perinatal survival and birth weight. Fortney JA, et al. **Public Health** 1984 Mar; 98(2):73–83
Out-of-hospital births, U.S., 1978: birth weight and Apgar scores as measures of outcome. Declercq ER. **Public Health Rep** 1984 Jan–Feb;99(1):63–73
Heterogeneity of intrauterine growth retardation and recurrence risks. Hoffman HJ, et al. **Semin Perinatol** 1984 Jan;8(1):15–24
Intrauterine growth retardation: epidemiological issues and public health significance. Stein ZA, et al. **Semin Perinatol** 1984 Jan;8(1):5–14
Birth weight distribution, mean birth weights, and Low Birth Weights among various ethnic groups in Malaysian newborns. Yadav H. **Singapore Med J** 1983 Jun;24(3):145–9
Assessing socioeconomic correlates of birthweight in peninsular Malaysia: ethnic differences and changes over time. DaVanzo J, et al. **Soc Sci Med** 1984;18(5):387–404
Population-based intrauterine growth curves from computerized birth certificates. David RJ. **South Med J** 1983 Nov;76(11):1401–6
Third variable analysis: application to causal sequences among nutrient intake, maternal weight, birthweight, placental weight, and gestation. Susser M, et al. **Stat Med** 1982 Apr–Jun;1(2):105–20
Factor VIII in pregnancy and birthweight. Stanwell-Smith R, et al. **Thromb Res** 1984 May 1;34(3):199–211
[Prediction of the body weight of neonates by stepwise regression analysis] Sha D. **Chung Hua Fu Chan Ko Tsa Chih** 1984 Jan;19(1):14–7 (Eng. Abstr.) **(Chi)**
[Birth weight, length and biparietal diameter of newborn babies of Jiangsu Province] Su YH. **Chung Hua Fu Chan Ko Tsa Chih** 1983 Jul;18(3):157–60 (Eng. Abstr.) **(Chi)**
[Surveillance of birth weight in seven districts of East City in Beijing] **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1984 Apr;5(2):85–7 (Eng. Abstr.) **(Chi)**
[Evaluation of the birth weight of children from incestuous relationships and their half-siblings. Evaluation of the role of heredity in birth weight] Hrycejová I, et al. **Cesk Pediatr** 1983 Nov;38(11):665–7 (Eng. Abstr.) **(Cze)**
[Fetal macrosomia and the study of risk factors in maternal diabetes] Khrouf N, et al. **Arch Fr Pediatr** 1983 Dec; 40(10):815–7 (Eng. Abstr.) **(Fre)**
[Birth weight in the Cotonou area (based on 1667 term infants)] Alihonou E, et al. **Dakar Med** 1983;28(3):543–52 **(Fre)**
[Effect of birth weight on the time of tooth eruption] Sommer B, et al. **Arztl Jugendkd** 1984 Jun;75(3):153–8 (Eng. Abstr.) **(Ger)**
[Weight-length correlation of newborn infants. A current method for somatic evaluation—standard values] Miller EC. **Geburtshilfe Frauenheilkd** 1984 Apr;44(4):205–18 (Eng. Abstr.) **(Ger)**
[The problem of evaluating somatic parameters in twins] Miller EC, et al. **Padiatr Grenzgeb** 1984;23(2):71–7 (Eng. Abstr.) **(Ger)**
[Relation between placental weight and somatic status of the newborn infant] Miller EC. **Padiatr Grenzgeb** 1983; 22(4):225–33 (Eng. Abstr.) **(Ger)**
[Lipid metabolism status of newborn infants of different gestational ages and birth weights—longitudinal study. II. Total cholesterol, HDL-cholesterol and LDL/VLDL-cholesterol] Springer S, et al. **Padiatr Grenzgeb** 1984;23(1):5–10 (Eng. Abstr.) **(Ger)**
[Lipid metabolism in newborn infants of various gestational ages and birth weights—longitudinal study. III. Triglycerides] Springer S, et al. **Padiatr Grenzgeb** 1984; 23(2):61–70 (Eng. Abstr.) **(Ger)**
[Lipid metabolism status of newborn infants of different gestational ages and birth weights—longitudinal study. I. On lipid metabolism in the perinatal period—a review] Springer W, et al. **Padiatr Grenzgeb** 1984;23(1):1–4 (Eng. Abstr.) **(Ger)**
[Employment during pregnancy and birth weight] Fricker HS, et al. **Soz Praventivmed** 1984;29(2):92–3 (Eng. Abstr.) **(Ger)**
[Effect of actively induced labor at term on the delivery of over-weight newborn infants] Baars F. **Z Arztl Fortbild (Jena)** 1984;78(2):53–6 **(Ger)**
[Morbidity of term and low-birth weight infants born in breech presentation by vaginal or abdominal delivery] Krause W, et al. **Z Geburtshilfe Perinatol** 1984 Mar–Apr; 188(2):80–6 (Eng. Abstr.) **(Ger)**
[Spontaneous birth of a giant infant weighting 7050 g] Görgey M, et al. **Zentralbl Gynakol** 1983;105(20):1329–31 (Eng. Abstr.) **(Ger)**
[Relation between the estriol level of maternal urine, weight of full-term and premature infants and perinatal mortality] Hercz P, et al. **Orv Hetil** 1984 Jan 29;125(5):271–3 (Eng. Abstr.) **(Hun)**
[The large newborn infant] Károlyi G. **Orv Hetil** 1984 Apr 22;125(17):991–6 (Eng. Abstr.) **(Hun)**
[Birth weight of infants born to women working in metallurgy plants] Gracyalny J, et al. **Ginekol Pol** 1983 Jun;54(6):411–5 (Eng. Abstr.) **(Pol)**
[The giant fetus as an obstetrical problem] Kubicki J, et al. **Ginekol Pol** 1984 Jan;55(1):65–9 (Eng. Abstr.) **(Pol)**
[Clinical value of the fetoplacental ratio] Leibschang J, et al. **Probl Med Wieku Rozwoj** 1983;12:174–80 (Eng. Abstr.) **(Pol)**
[Determination of fetal weight by an ultrasonic measurement of the biparietal diameter] Akkerman LI. **Akush Ginekol (Mosk)** 1983 Oct;(10):34–8 (Eng. Abstr.) **(Rus)**
[Relation between fetal weight-growth indices and placenta localization] Karpov SL, et al. **Akush Ginekol (Mosk)** 1983 Oct;(10):29–30 (Eng. Abstr.) **(Rus)**
[Features of the course of pregnancy and labor in large fetuses] Kartushina LM, et al. **Akush Ginekol (Mosk)** 1984 Jan;(1):23–4 (Eng. Abstr.) **(Rus)**
[Duration of various diseases in relation to several biological factors] Artemov BG, et al. **Pediatriia** 1984 Mar;(3):57–8 **(Rus)**
[Intrauterine growth of live-born twins in the area of Sibenik, Split and Zadar] Mikulandra F, et al. **Jugosl Ginekol Opstet** 1983 May–Aug;23(3–4):88–92 (Eng. Abstr.) **(Scr)**
[Right-left index and weight correlation of the liver in newborn infants] Plank J. **Bratisl Lek Listy** 1983 Oct; 80(4):397–405 (Eng. Abstr.) **(Slo)**
[Development of the weight of organs in normotrophic and hypotrophic newborn infants] Plank J. **Cesk Pediatr** 1984 May;39(5):261–3 (Eng. Abstr.) **(Slo)**
[Birth weight and Apgar score 1982, report of trends] Vargas N, et al. **Rev Chil Pediatr** 1983 May–Jun;54(3):186–91 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Polychlorinated biphenyls: influence on birthweight and gestation. Taylor PR, et al. **Am J Public Health** 1984 Oct; 74(10):1153–4
Validation of questionnaire reported miscarriage, malformation and birth weight. Axelsson G, et al. **Int J Epidemiol** 1984 Mar;13(1):94–8
Organic solvents as possible risk factors of low birthweight [letter] Olsen J, et al. **J Occup Med** 1983 Dec;25(12):854–5

RADIATION EFFECTS

The influence of ionizing radiation and serotonin on litter size and body weight of newborn C57B mice. Manowska J, et al. **Folia Biol (Krakow)** 1983;31(4):401–6

BIS(CHLOROMETHYL) ETHER see under **METHYL ETHERS**

BISACODYL see under **CRESOLS**

BISHYDROXYCOUMARIN

METABOLISM

Dissolution behavior and gastrointestinal absorption of dicumarol from solid dispersion systems of dicumarol–polyvinylpyrrolidone and dicumarol–beta-cyclodextrin. Sekikawa H, et al. **Chem Pharm Bull (Tokyo)** 1983 Apr;31(4):1350–6

PHARMACODYNAMICS

Effects on fracture healing of an antagonist of the vitamin K cycle. Dodds RA, et al. **Calcif Tissue Int** 1984 Mar; 36(2):233–8

POISONING

Haemorrhagic syndrome of cattle associated with the feeding of sweet vernal (Anthoxanthum odoratum) hay containing dicoumarol. Pritchard DG, et al. **Vet Rec** 1983 Jul 23; 113(4):78–84

BISMUTH

Bismuth staining of a nucleolar protein. Gas N, et al. **Exp Cell Res** 1984 Apr;151(2):447–57
Radon daughters in European mines [letter] O'Riordan MC. **Health Phys** 1984 Mar;46(3):701–2

ADMINISTRATION & DOSAGE

Treatment of chronic duodenal ulceration. Effectiveness of colloidal bismuth subcitrate tablets compared with cimetidine. Harley H, et al. **Med J Aust** 1983 Dec 10–24; 2(12):627–8
[Comparative evaluation of the efficacy of complex anti-ulcer therapy and monotherapy] Grigor'ev PIa, et al. **Sov Med** 1984;(2):100–1 **(Rus)**

ADVERSE EFFECTS

Morbidity and immunological test in miners working in mines with low ionizing radiation level. Wagner V, et al. **Czech Med** 1984;7(2):65–77
Radon and lung cancer in mines and homes [editorial] Harley NH. **N Engl J Med** 1984 Jun 7;310(23):1525–7
Lung cancer after exposure to radon daughters [letter] List AF, et al. **N Engl J Med** 1984 Sep 27;311(13):858–9
Lung cancer in Swedish iron miners exposed to low doses of radon daughters. Radford EP, et al. **N Engl J Med** 1984 Jun 7;310(23):1485–94
Experiences and concerns on lung cancer and radon daughter exposure in mines and dwellings in Sweden. Axelson O. **Z Erkr Atmungsorgane** 1983;161(3):232–9
[Bismuth encephalopathy. Persistence of the risk with magistral preparations (letter)] Ferrer X, et al. **Presse Med** 1984 Jul 7;13(28):1749–50 **(Fre)**
[Bismuth encephalopathy] Krüger G. **Fortschr Neurol Psychiatr** 1984 Jan;52(1):24–31 (Eng. Abstr.) **(Ger)**

ANALYSIS

On the effect of a negative ion generator and a mixing fan on the attachment of thoron-decay products in a thoron box. Bigu J, et al. **Health Phys** 1984 Apr;46(4):933–9
A comparison of alpha spectroscopy and gross alpha techniques for determining working level in uranium mines and houses. Borak TB, et al. **Health Phys** 1984 May; 46(5):1053–61
Passive measurement of working levels and effective diffusion constants of radon daughters by the nuclear track technique. Fleischer RL, et al. **Health Phys** 1984 Jul; 47(1):9–19
Optimizing the total-alpha three-count technique for measuring concentrations of radon progeny in residences.

Nazaroff WW. **Health Phys** 1984 Feb;46(2):395–405
Time variation of radon daughters concentration in snowfall. Nishikawa T, et al. **Radioisotopes** 1984 May;33(5):257–61

PHARMACODYNAMICS

Prevention of gastric mucosal lesions in rats by tri–potassium di–citrato bismuthate. Malandrino S, et al. **Arzneimittelforsch** 1984;34(1):30–1
[In vitro studies on effect of particle size of bismuth subcarbonate on antacid effectiveness] Liu CT, et al. **Yao Hsueh Hsueh Pao** 1983 Aug;18(8):630–2 (Eng. Abstr.) **(Chi)**

THERAPEUTIC USE

Evaluation of bismuth subsalicylate in relieving symptoms of indigestion. Hailey FJ, et al. **Arch Intern Med** 1984 Feb; 144(2):269–72
Denol liquid and cimetidine twice daily in the treatment of duodenal ulcer. A preliminary study. Lazzaroni M, et al. **Br J Clin Pract** 1983 Nov–Dec;37(11–12):379–81
Sucralfate, bismuth compounds, substituted benzimidazoles, trimipramine and pirenzepine in the short– and long–term treatment of duodenal ulcer. Tytgat GN, et al. **Clin Gastroenterol** 1984 May;13(2):543–68 (168 ref.)
Bismuth subsalicylate—an aid to the diagnosis and treatment of reflux esophagitis [letter] Bernstein RK. **Diabetes Care** 1984 Jul–Aug;7(4):404–5
Comparison of cimetidine and tripotassium dicitrato bismuthate in healing and relapse of duodenal ulcers. Shreeve DR, et al. **Digestion** 1983;28(2):96–101
Double–blind comparison of bismuth subsalicylate and placebo in the prevention and treatment of enterotoxigenic Escherichia coli–induced diarrhea in volunteers. Graham DY, et al. **Gastroenterology** 1983 Nov;85(5):1017–22
Effects of tripotassium dicitrato bismuthate (TDB) tablets or cimetidine in the treatment of duodenal ulcer. Hamilton I, et al. **Gut** 1983 Dec;24(12):1148–51
Randomised crossover trial of tripotassium dicitrato bismuthate versus high dose cimetidine for duodenal ulcers resistant to standard dose of cimetidine. Lam SK, et al. **Gut** 1984 Jul;25(7):703–6
A controlled clinical trial with De–Nol (tripotassium dicitrato bismuthate) in patients with gastric ulcer. Patty I, et al. **Int J Tissue React** 1983;5(4):397–401
Comparison of colloidal bismuth subcitrate tablets and liquid in duodenal ulcer healing. Kellow JE, et al. **J Clin Gastroenterol** 1983 Oct;5(5):417–20
Relapse rates in duodenal ulcer patients formerly treated with bismuth subcitrate or maintained with cimetidine [letter] Bianchi Porro G, et al. **Lancet** 1984 Sep 22;2(8404):698
[Treatment of duodenal ulcer with herbazol] Chakürski I. **Vutr Boles** 1984;23(1):18–23 (Eng. Abstr.) **(Bul)**
[Comparative studies of the therapeutic effect of a herbazol preparation with and without an antacid component in duodenal peptic ulcer patients] Chakürski I. **Vutr Boles** 1984;23(3):35–9 (Eng. Abstr.) **(Bul)**
[Treatment of acute diarrhea in general practice. Therapeutic experiences with Karaya bismuth] Hüttel E. **Med Welt** 1983 Dec 2;34(48):1383–4 **(Ger)**
[Tripotassium dicitrato bismuthate in the therapy of peptic ulcer: comparison with ranitidine in short–term treatment] Capurso L, et al. **Clin Ter** 1984 May 31;109(4):335–44 (Eng. Abstr.) **(Ita)**

URINE

Determination of bismuth in urine by atomic absorption with hydride generation. Chou PP, et al. **J Anal Toxicol** 1984 Jul–Aug;8(4):158–60

BISPHOSPHOGLYCERATES see **DIPHOSPHOGLYCERIC ACIDS**

BISPHOSPHOGLYCEROMUTASE see under **PHOSPHOTRANSFERASES**

BITE FORCE see under **DENTAL OCCLUSION**

BITE REGISTRATION see **JAW RELATION RECORD**

BITES AND STINGS

The presentation of bite mark evidence resulting in the acquittal of a man after serving seven years in prison for murder. Karazulas CP. **J Forensic Sci** 1984 Jan;29(1):355–8
Dusting and lifting the bite print: a new technique. Rao VJ, et al. **J Forensic Sci** 1984 Jan;29(1):326–33
Statistical evidence for the individuality of the human dentition. Rawson RD, et al. **J Forensic Sci** 1984 Jan; 29(1):245–53
Post–exposure rabies prophylaxis. McCracken GH Jr. **Pediatr Infect Dis** 1984 May–Jun;3(3 Suppl):S41–4
[Ichthyoacanthotoxicity. II. Bony fishes] Mira Gutiérrez J, et al. **Rev Sanid Hig Publica (Madr)** 1982 Nov–Dec; 56(11–12):1165–1235 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Mononeuritis multiplex following jellyfish stings [letter] Filling–Katz MR. **Ann Neurol** 1984 Feb;15(2):213
Brain abscess following cranial dog bite. Sutton LN, et al. **Clin Pediatr (Phila)** 1984 Oct;23(10):580
Severe osteomyelitis of the wrist following a cat bite. Pechter EA, et al. **Hand** 1983 Oct;15(3):242–5
Delayed and persistent cutaneous reactions to coelenterates. Reed KM, et al. **J Am Acad Dermatol** 1984 Mar;10(3):462–6
Major dog attack injuries in children. Wiseman NE, et al. **J Pediatr Surg** 1983 Oct;18(5):533–6
'Caution: pets may be hazardous to your health' [editorial] Hubbert WT. **JAMA** 1984 Feb 17;251(7):934–5
HFRS after a wild rodent bite in the Haute–Savoie—and risk of exposure to Hantaan–like virus in a Paris laboratory [letter] Douron E, et al. **Lancet** 1984 Mar 24;1(8378):676–7
Brachial artery spasm as a result of a sting [letter] Adiga KM. **Med J Aust** 1984 Feb 4;140(3):181–2
Survival after severe envenomation by the blue–ringed octopus (Hapalochlaena maculosa). Walker DG. **Med J Aust** 1983 Dec 10–24;2(12):663–5
[Erythema chronicum migrans and the importance of discovering its cause for further practice] Chalupský J. **Cas Lek Cesk** 1984 Apr 13;123(15):454 **(Cze)**
[Severe wound infection caused by Pasteurella multocida. A complication to dog bite injuries] Larsen PN, et al. **Ugeskr Laeger** 1984 Jan 30;146(5):358–9 (Eng. Abstr.) **(Dan)**
[Arthritis caused by sea urchin spine. Apropos of 2 new cases] Daupleix D, et al. **Rev Rhum Mal Osteoartic** 1984 Jun; 51(6):333–5 **(Fre)**
[Spirochete etiology of erythema chronicum migrans disease] Ackermann R, et al. **Dtsch Med Wochenschr** 1984 Jan 20; 109(3):92–7 (Eng. Abstr.) **(Ger)**
[A case of arthritis following tick bite (Lyme arthritis)] Weber K. **Hautarzt** 1984 Feb;35(2):104–5 **(Ger)**
[Pathogenesis of tick–bite granulomas. Ultrastructural study] Sala F, et al. **G Ital Dermatol Venereol** 1983 Nov–Dec; 118(6):355–9 (Eng. Abstr.) **(Ita)**

DRUG THERAPY

Evaluation of prophylactic oxacillin in cat bite wounds. Elenbaas RM, et al. **Ann Emerg Med** 1984 Mar;13(3):155–7
Fish sting treatment [letter] Wiener S. **Med J Aust** 1984 Jun 23;140(13):801–2
Jellyfish stings [letter] Osbourn RA. **South Med J** 1984 Mar; 77(3):406–7

ECONOMICS

[The cost of medical care for persons bitten by dogs in Ciudad Juárez, Mexico] Rodríguez Torres JG, et al. **Bol Of Sanit Panam** 1983 Oct;95(4):327–32 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Mites and bites. Heald P, et al. **NC Med J** 1983 Sep;44(9):576
Jellyfish invenomation [letter] Nelson GH. **South Med J** 1984 Mar;77(3):407

MICROBIOLOGY

DF–2: a fastidious fermentative gram–negative rod. Rubin SJ. **Eur J Clin Microbiol** 1984 Jun;3(3):253–7
Dog bites and dysgonic fermenting organisms [letter] Howard AJ, et al. **Lancet** 1983 Oct 29;2(8357):1022–3
Spirochetes in erythema chronicum migrans [letter] Berger BW. **N Engl J Med** 1984 Feb 23;310(8):529–30
Role of anaerobic bacteria in bite–wound infections. Goldstein EJ, et al. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl 1:S177–83 (63 ref.)

OCCURRENCE

Animal bites as an occupational hazard among animal control officers. Mann JM, et al. **Am J Public Health** 1984 Mar; 74(3):255–6
The deleterious effects of dogs on human health: dog–associated injuries. Baxter DN. **Community Med** 1984 Feb;6(1):29–36
Monkey–caused injuries in the region served by the Beer Sheva District Health Office, 1978–82. Gross EM, et al. **Isr J Med Sci** 1984 Aug;20(8):725–6
More about pit bull terriers [letter] Clifford DH. **J Am Vet Med Assoc** 1984 Jul 1;185(1):4, 6
The incidence of facial injuries from dog bites. Karlson TA. **JAMA** 1984 Jun 22–29;251(24):3265–7
[Epidemiology of envenomation in French Guiana] Chippaux JP, et al. **Bull Soc Pathol Exot Filiales** 1984 Mar–Apr; 77(2):206–15 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Classification of human breast morphology important to bite mark investigation. Rawson RD, et al. **Am J Forensic Med Pathol** 1984 Mar;5(1):19–24
Tick bite: two cases studied by scanning electron microscopy. Aoki K, et al. **Br J Dermatol** 1984 Feb;110(2):233–40
Photographic techniques of concern in metric bite mark analysis. Krauss TC. **J Forensic Sci** 1984 Apr;29(2):633–8
Incidence of bite marks in a selected juvenile population: a preliminary report. Rawson RD, et al. **J Forensic Sci** 1984 Jan;29(1):254–9

PHYSIOPATHOLOGY

Allergic and toxic reactions to non–stinging arthropods. Wirtz RA. **Annu Rev Entomol** 1984;29:47–69 (142 ref.)
Envenomations by miscellaneous animals [editorial] Kunkel DB, et al. **J Toxicol Clin Toxicol** 1983–84;21(4–5):557–60 (8 ref.)

PSYCHOLOGY

An examination of the psychological aspects of bite marks. Walter RA. **Am J Forensic Med Pathol** 1984 Mar;5(1):25–9

THERAPY

Weever fish sting: the last word [letter] Russell FE. **Br Med J [Clin Res]** 1983 Oct 1;287(6397):981–2
Mammalian bites. Edlich RF, et al. **Compr Ther** 1983 Dec; 9(12):41–7 (20 ref.)
Marine envenomations. Kizer KW. **J Toxicol Clin Toxicol** 1983–84;21(4–5):527–55 (57 ref.)
Sea–wasp antivenom in a toddler [letter] Boyd W. **Med J Aust** 1984 Apr 14;140(8):504
Weever fish sting [letter] Brown TJ. **Med J Aust** 1984 Apr 14;140(8):503–4
The blue–ringed octopus [letter] Williamson JA. **Med J Aust** 1984 Mar 3;140(5):308–9
Treatment of bluebottle stings at the beach [letter] Schwartz PA, et al. **S Afr Med J** 1984 Jul 14;66(2):45–6
[Treatment of dog bites] Hansen PH, et al. **Ugeskr Laeger** 1983 Nov 21;145(47):3641–3 (Eng. Abstr.) **(Dan)**
[Wounds from animals bites: therapy and anti–rabies prevention] Accettella U, et al. **Clin Ter** 1983 Aug 31; 106(4):313–7 **(Ita)**
[Dog bites in children. Etiology, consequences, prevention and treatment] Vetrella M, et al. **Minerva Pediatr** 1984 Mar 31;36(6):269–74 (Eng. Abstr.) **(Ita)**

VETERINARY

Horse attacked by pit bull [letter] Bernard–Strother S, et al. **J Am Vet Med Assoc** 1984 Jan 15;184(2):132
Thoracic bite wounds and associated internal injury in 11 dogs and 1 cat. McKiernan BC, et al. **J Am Vet Med Assoc** 1984 Apr 15;184(8):959–64
[Isolation of Actinomyces viscosus from an abscess caused by a dog bite] del Carmen Pinilla L, et al. **Rev Latinoam Microbiol** 1983 Jul–Sep;25(3):155–6 **(Spa)**

BITES, HUMAN see under **BITES AND STINGS**

BITHIONOL see under **PHENOLS**

BITTNER VIRUS see **MAMMARY CANCER VIRUS**

BIUREAS

METABOLISM

[Clinical pharmacokinetics of mebikar] Serov NV, et al. **Farmakol Toksikol** 1984 May–Jun;47(3):94–7 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

[Mechanisms of the antishock action of mebikar] Zimakova IE, et al. **Farmakol Toksikol** 1984 Mar–Apr;47(2):28–32 (Eng. Abstr.) **(Rus)**

BIURET see under **UREA**

BIURET REACTION see under **CHEMISTRY, ANALYTICAL**

BK VIRUS see under **POLYOMAVIRUSES**

BLACK FLIES see **SIMULIIDAE**

BLACK WIDOW SPIDER see under **SPIDERS**

BLACKHEAD, AVIAN see **HISTOMONIASIS**

BLACKS

see related
NEGROID RACE

Recruiting black teacher–trainees into programs for the hearing impaired. Luetke–Stahlman B. **Am Ann Deaf** 1983 Oct;128(6):851–2
Employability of black deaf persons in Washington, D.C.: national implications. Taft B. **Am Ann Deaf** 1983 Aug; 128(4):453–7
Working conference on coronary heart disease in black populations. March 5, 1983, San Diego, California. **Am Heart J** 1984 Sep;108(3 Pt 2):723–862
Report of a National Heart, Lung and Blood Institute working conference on coronary heart disease in black populations. September 29–30, 1983, Bethesda, Maryland. **Am Heart J** 1984 Sep;108(3 Pt 2):633–723
Black–white contrasts as determinants of cardiovascular risk in childhood: precursors of coronary artery and primary hypertensive diseases. Berenson GS, et al. **Am Heart J** 1984 Sep;108(3 Pt 2):672–83
Responses of black and white males to the special intervention program of the Multiple Risk Factor Intervention Trial. Connett JE, et al. **Am Heart J** 1984 Sep;108(3 Pt 2):839–48
Prevalence of diabetes/hyperglycemia and associated cardiovascular risk factors in blacks and whites: Chicago Heart Association Detection Project in Industry. Cooper

R, et al. **Am Heart J** 1984 Sep;108(3 Pt 2):827–33
Coronary artery disease in blacks: risk factors. Curry CL, et al. **Am Heart J** 1984 Sep;108(3 Pt 2):653–7
Cigarette smoking and coronary heart disease in blacks: comparison to whites in a prospective study. Garfinkel L. **Am Heart J** 1984 Sep;108(3 Pt 2):802–7
Determinants of high-density lipoprotein cholesterol in blacks and whites: the second National Health and Nutrition Examination Survey. Gartside PS, et al. **Am Heart J** 1984 Sep;108(3 Pt 2):641–53
Coronary heart disease mortality in United States blacks, 1940–1978: trends and unanswered questions. Gillum RF, et al. **Am Heart J** 1984 Sep;108(3 Pt 2):728–32
High-density lipoprotein cholesterol in blacks and whites: potential ramifications for coronary heart disease. Glueck CJ, et al. **Am Heart J** 1984 Sep;108(3 Pt 2):815–26
Coronary heart disease mortality/morbidity and risk in blacks. I: Clinical manifestations and diagnostic criteria: the experience with the Beta Blocker Heart Attack Trial. Haywood LJ. **Am Heart J** 1984 Sep;108(3 Pt 2):787–93
Coronary heart disease mortality/morbidity and risk in blacks. II: Access to medical care. Haywood LJ. **Am Heart J** 1984 Sep;108(3 Pt 2):794–6
Issues in the natural history and treatment of coronary heart disease in black populations: medical management. Haywood LJ. **Am Heart J** 1984 Sep;108(3 Pt 2):683–7
Black-white differences in plasma levels of apolipoproteins: the Evans County Heart Study. Heiss G, et al. **Am Heart J** 1984 Sep;108(3 Pt 2):807–14
Coronary heart disease in black Americans: suggestions for research on psychosocial factors. James SA. **Am Heart J** 1984 Sep;108(3 Pt 2):833–8
Socioeconomic influences on coronary heart disease in black populations. James SA. **Am Heart J** 1984 Sep;108(3 Pt 2):669–72
Social and psychologic factors in the etiology of coronary heart disease in black populations: an exploration of research needs. Kasl SV. **Am Heart J** 1984 Sep;108(3 Pt 2):660–9
Incidence of coronary heart disease in blacks in Charleston, South Carolina. Keil JE, et al. **Am Heart J** 1984 Sep;108(3 Pt 2):779–86
Black-white comparison of indices of coronary heart disease and myocardial infarction in the stepped-care cohort of the Hypertension Detection and Follow-Up Program. Langford HG, et al. **Am Heart J** 1984 Sep;108(3 Pt 2):797–801
Coronary heart disease mortality rates in United States blacks, 1968–1978: interstate variation. Leaverton PE, et al. **Am Heart J** 1984 Sep;108(3 Pt 2):732–7
Total and cardiovascular mortality in relation to cigarette smoking, serum cholesterol concentration, and diastolic blood pressure among black and white males followed up for five years. Neaton JD, et al. **Am Heart J** 1984 Sep;108(3 Pt 2):759–69
Issues in the natural history and treatment of coronary heart disease in black populations: surgical treatment. Oberman A, et al. **Am Heart J** 1984 Sep;108(3 Pt 2):688–94
Coronary heart disease risk factor trends in blacks between the first and second National Health and Nutrition Examination Surveys, United States, 1971–1980. Rowland ML, et al. **Am Heart J** 1984 Sep;108(3 Pt 2):771–9
Results of myocardial revascularization in black males. Sterling RP, et al. **Am Heart J** 1984 Sep;108(3 Pt 2):695–9
Coronary heart disease in young black and white males in New Orleans: Community Pathology Study. Strong JP, et al. **Am Heart J** 1984 Sep;108(3 Pt 2):747–59
Overview of risk factors for coronary heart disease in black populations. Tyroler HA. **Am Heart J** 1984 Sep;108(3 Pt 2):658–60
Ischemic heart disease risk factors and twenty-year mortality in middle-age Evans County black males. Tyroler HA, et al. **Am Heart J** 1984 Sep;108(3 Pt 2):738–46
Coronary heart disease and coronary disease risk factors in black populations in underdeveloped countries: the case for primordial prevention. Watkins LO. **Am Heart J** 1984 Sep;108(3 Pt 2):850–62
Epidemiology of coronary heart disease in black populations: methodologic proposals. Watkins LO. **Am Heart J** 1984 Sep;108(3 Pt 2):635–40
Cornrowing [letter] Abdul-Uqdah TD. **Am J Dis Child** 1984 Sep;138(9):892
Socioeconomic and racial differences in lung cancer incidence. Devesa SS, et al. **Am J Epidemiol** 1983 Dec; 118(6):818–31
Child abuse and accidents in black families: a controlled comparative study. Daniel JH, et al. **Am J Orthopsychiatry** 1983 Oct;53(4):645–53
Racism and its impact on psychotherapy. Brantley T. **Am J Psychiatry** 1983 Dec;140(12):1605–8
Therapeutic neutrality and racial issues in treatment [letter] Myers WA. **Am J Psychiatry** 1984 Jul;141(7):918–9
Race, socioeconomic status, and domestic homicide, Atlanta, 1971–72. Centerwall BS. **Am J Public Health** 1984 Aug; 74(8):813–5
Autosomal dominant motor system degeneration in a black family. Cooper JA, et al. **Ann Neurol** 1983 Nov;14(5):585–7
Social dialects. **ASHA** 1983 Sep;25(9):23–4
Low survival of South African urban black women with breast cancer. Walker AR, et al. **Br J Cancer** 1984 Feb; 49(2):241–4
Osteogenic sarcoma in the American black. Huvos AG, et al. **Cancer** 1983 Nov 15;52(10):1959–65
Outcome of thoracic esophageal carcinoma in blacks in the inner city. Mandal AK, et al. **Cancer** 1984 Sep 1;54(5):924–8
One church, one child: placing children with special needs. Veronico AJ. **Child Today** 1983 Mar-Apr;12(2):6–10
Ankylosing hyperostosis in American blacks: a longitudinal study. Jumshyd A, et al. **Clin Rheumatol** 1983 Jun; 2(2):123–6
Requests for outpatient mental health services: a comparison of whites and blacks. Wood WD, et al. **Compr Psychiatry** 1984 May-Jun;25(3):329–34
Black dermatology [editorial] Kenney JA Jr. **Cutis** 1983 Oct; 32(4):310
Place, race and differential occupational opportunities. Semyonov M, et al. **Demography** 1984 May;21(2):259–70
Prevalence of cerebral palsy in the biracial population of Copiah County, Mississippi. Haerer AF, et al. **Dev Med Child Neurol** 1984 Apr;26(2):195–9
Thyroid autoimmunity in type 2 (non-insulin-dependent) diabetic patients of Caucasoid, black and Mexican origin. Kasim S, et al. **Diabetologia** 1984 Jul;27(1):59–61
Differentials in the treatment of black female heroin addicts. Kail BL, et al. **Drug Alcohol Depend** 1984 Jan;13(1):55–63
Black women in double jeopardy: a perspective on birth control. Gould KH. **Health Soc Work** 1984 Spring; 9(2):96–105
Minority alcoholism programs: issues in service delivery models. Maypole DE, et al. **Int J Addict** 1983 Oct; 18(7):987–1001
The probable effects of racism in nursing and related disciplines. Da-Cocodia L. **Int J Soc Psychiatry** 1984 Spring;30(1–2):17–21
Perspectives on acute gastroenteritis in black South African infants. Schoub BD, et al. **Isr J Med Sci** 1983 Oct; 19(10):897–9
S-T segment variants in young, adult, black women. Kornberg B. **J Am Osteopath Assoc** 1983 Oct;83(2):125–7
Blood pressure in blacks and whites and its relationship to dietary sodium and potassium intake. Frisancho AR, et al. **J Chronic Dis** 1984;37(7):515–9
Ethnic and cultural variations in the care of the aged. Discussion: the black elderly: biopsychosocial perspectives within an age cohort and adult development context. Baker FM. **J Geriatr Psychiatry** 1982;15(2):225–37
Ethnic and cultural variations in the care of the aged. Psychiatric intervention with blacks: the elderly--a case in point. Lightfoot OB. **J Geriatr Psychiatry** 1982; 15(2):209–23
Prevalence of isolated sleep paralysis in black subjects. Bell CC, et al. **J Natl Med Assoc** 1984 May;76(5):501–8
Sociocultural factors in the psychiatric assessment of black patients: a case study. Carter JH. **J Natl Med Assoc** 1983 Aug;75(8):817–20
Antihypertensive drug compliance in black males. Cook CA. **J Natl Med Assoc** 1984 Jul;76 Suppl:40–6
The role of the historic black colleges in the training of black professionals. Davidson AT. **J Natl Med Assoc** 1983 Oct; 75(10):1019–22
Cancer epidemic in the black community [editorial] Earles LC 3d. **J Natl Med Assoc** 1984 Feb;76(2):93–4
Contrast in cardiac anatomy and function between black and white patients with hypertension. Hammond IW, et al. **J Natl Med Assoc** 1984 Mar;76(3):247–55
The Flexner Report and black medical schools [editorial] Johnston GA Jr. **J Natl Med Assoc** 1984 Mar;76(3):223–5
Similarities and differences in black men and women in psychotherapy. Jones BE, et al. **J Natl Med Assoc** 1984 Jan;76(1):21–7
Stress and the Black medical family. Lawrence LE. **J Natl Med Assoc** 1983 Aug;75(8):749–53
The role of the black church in community medicine. Levin JS. **J Natl Med Assoc** 1984 May;76(5):477–83
Preventive issues and the black elderly: a biopsychosocial perspective. Lightfoot OB. **J Natl Med Assoc** 1983 Oct; 75(10):957–63
Occupational cancer in the black population: the health effects of job discrimination. Michaels D. **J Natl Med Assoc** 1983 Oct;75(10):1014–8 (24 ref.)
Anorexia nervosa in black adolescents. Silber TJ. **J Natl Med Assoc** 1984 Jan;76(1):29–32 (31 ref.)
Am I my brother's keeper? Walker CL. **J Natl Med Assoc** 1983 Sep;75(9):867–8
Some reflections on black alcoholism treatment [editorial] Watts TD, et al. **J Natl Med Assoc** 1984 Feb;76(2):101–2
Predictors of success in nursing school and on State Board Examinations in a predominantly black baccalaureate nursing program. Dell MA, et al. **J Nurs Educ** 1984 Apr; 23(4):147–50
Assessment of health needs of black agricultural workers in the Mid-Delta of Mississippi, U.S.A. Omishakin MA. **J R Soc Health** 1983 Dec;103(6):239–41
DR antigen distribution in Blacks with rheumatoid arthritis. Alarcón GS, et al. **J Rheumatol** 1983 Aug;10(4):579–83
Unplanned pregnancies among urban Zulu schoolchildren: a summary of the salient results from a preliminary investigation. Craig AP, et al. **J Soc Psychol** 1983 Dec; 121(2d Half):239–46
Measuring language competency in speakers of Black American English. Wiener FD, et al. **J Speech Hear Disord** 1983 Feb;48(1):76–84
Mortality among young black women using contraceptives. Ory HW, et al. **JAMA** 1984 Feb 24;251(8):1044–8
South Africa's children [letter] Retief FP. **Lancet** 1984 Jun 30;1(8392):1472
South Africa's children [letter] Stuart J. **Lancet** 1984 Sep 1;2(8401):519
Coronary artery disease and hypertension in the U.S. black populations. Watkins LO. **Md State Med J** 1984 Jun; 33(6):435–6
Health care for black South Africans [letter] **Med J Aust** 1983 Jul 23;2(2):58–9
HDL-cholesterol in a sample of black adults: the Framingham Minority Study. Wilson PW, et al. **Metabolism** 1983 Apr;32(4):328–32
Skin disease in the black patient. Rosen T. **Primary Care** 1983 Sep;10(3):389–95
Clergy as intermediary—an approach to cancer control. Askey DG, et al. **Prog Clin Biol Res** 1983;130:417–24
Communications strategies, cancer information and Black populations: an analysis of longitudinal data. Butler L, et al. **Prog Clin Biol Res** 1983;130:171–82
The underrepresented in graduate medical education and medical research. Pinn VW. **Public Health Rep** 1984 Jan-Feb;99(1):53–8
Cancer of the oesophagus in the South African black population. Segal I, et al. **Trop Gastroenterol** 1984 Jan-Mar; 5(1):20–8 (58 ref.)

HISTORY

A note on the biologic concept of race and its application in epidemiologic research. Cooper R. **Am Heart J** 1984 Sep;108(3 Pt 2):715–22
Making separate, equal: black physicians and the problems of medical segregation in the pre-World War II South. Beardsley EH. **Bull Hist Med** 1983 Fall;57(3):382–96
Forward—the only way. Cobb WM. **J Natl Med Assoc** 1984 May;76(5):487–97
Black Americans in medicine. Hansen AC. **J Natl Med Assoc** 1984 Jul;76(7):693–5
Dr. W. Montague Cobb: anatomist, physician, physical anthropologist, editor emeritus of the Journal of the National Medical Association, and first black president of NAACP. Spady JG. **J Natl Med Assoc** 1984 Jul; 76(7):739–44
Formation of a black medical profession in Tennessee, 1880–1920. Summerville J. **J Tenn Med Assoc** 1983 Oct; 76(10):644–6
St. Peter Claver. Shampo MA, et al. **JAMA** 1984 Apr 27; 251(16):2138

PSYCHOLOGY

Competent adolescents from different socioeconomic and ethnic contexts. Looney JG, et al. **Adolesc Psychiatry** 1983; 11:64–74
Religiosity and unmarried black adolescent fatherhood. Hendricks LE, et al. **Adolescence** 1984 Summer; 19(74):417–24
Minimum competency: a comparison of reactions of southern black high school students, their parents and black teachers. Schab F. **Adolescence** 1984 Spring;19(73):107–12
Recidivism among opioid addicts after drug treatment: an analysis by race and tenure in treatment. Joe GW, et al. **Am J Drug Alcohol Abuse** 1982–83;9(4):371–82
The black female addict's career options: a typology and theory. Kail BL, et al. **Am J Drug Alcohol Abuse** 1984; 10(1):39–52
Ethnic status and participation in longitudinal health surveys. Vernon SW, et al. **Am J Epidemiol** 1984 Jan;119(1):99–113
Black adolescents and youth: an endangered species. Gibbs JT. **Am J Orthopsychiatry** 1984 Jan;54(1):6–21
Prevalence of self-reported depressive symptoms in young adolescents. Schoenbach VJ, et al. **Am J Public Health** 1983 Nov;73(11):1281–7
Token reinforcement during WISC-R administration. II. Effects on mildly retarded, black students. Johnson CM, et al. **Appl Res Ment Retard** 1984;5(1):43–52
Withdrawal seizures in black and white alcoholic patients: intellectual and neuropsychological sequelae. Goldstein G, et al. **Drug Alcohol Depend** 1983 Dec;12(4):349–54
Sex, contraception and parenthood: experience and attitudes among urban black young men. Clark SD Jr, et al. **Fam Plann Perspect** 1984 Mar-Apr;16(2):77–82
Black suicide attempters in 1980: a preventive focus. Baker FM. **Gen Hosp Psychiatry** 1984 Apr;6(2):131–7
An exploration of family interaction with the elderly by race, socioeconomic status, and residence. Mitchell J, et al. **Gerontologist** 1984 Feb;24(1):48–54
Blacks in Vietnam [letter] Carter JH. **Hosp Community Psychiatry** 1983 Oct;34(10):968
An analysis of the therapeutic elements in a black church service. Griffith EE, et al. **Hosp Community Psychiatry** 1984 May;35(5):464–9
Learning needs and efforts of the black elderly. Ralston PA. **Int J Aging Hum Dev** 1983;17(1):75–88
Racism and psychological disturbance among West Indians in Britain. Burke AW. **Int J Soc Psychiatry** 1984 Spring; 30(1–2):50–68
Effects of race on adoption and fostering. Fletchman-Smith B. **Int J Soc Psychiatry** 1984 Spring;30(1–2):121–8
Black communities' experience of psychiatric services. Mercer K. **Int J Soc Psychiatry** 1984 Spring;30(1–2):22–7
The concepts, 'causation', 'racism' and 'mental illness'. Pillay HM. **Int J Soc Psychiatry** 1984 Spring;30(1–2):29–39

The crisis in adoption. Small JW. **Int J Soc Psychiatry** 1984 Spring;30(1-2):129-42
Urban black adolescents who obtain contraceptive services before or after their first pregnancy. Psychosocial factors and contraceptive use. Freeman EW, et al. **J Adolesc Health Care** 1984 Jul;5(3):183-90
Anorexia nervosa in black adolescents. Pumariega AJ, et al. **J Am Acad Child Psychiatry** 1984 Jan;23(1):111-4
John Henryism and blood pressure differences among black men. James SA, et al. **J Behav Med** 1983 Sep;6(3):259-78
Black children's race awareness, racial attitudes and self-concept: a reinterpretation. Spencer MB. **J Child Psychol Psychiatry** 1984 Jul;25(3):433-41
Race, violence, and psychopathology. Lawson WB, et al. **J Clin Psychiatry** 1984 Jul;45(7):294-7
Are separate black and white MMPI norms needed? An IQ-controlled comparison of accused murderers. Holcomb WR, et al. **J Clin Psychol** 1984 Jan;40(1):189-93
Effects of minority status on facial recognition and naming performance. Roberts RJ, et al. **J Clin Psychol** 1984 Mar; 40(2):539-45
Effects of race on ratings of social skill. Turner SM, et al. **J Consult Clin Psychol** 1984 Jun;52(3):474-5
Racial variations on the MacAndrew alcoholism scale of the MMPI. Walters GD, et al. **J Consult Clin Psychol** 1983 Dec;51(6):947-8
Senior center utilization by black elderly adults: social, attitudinal and knowledge correlates. Ralston PA. **J Gerontol** 1984 Mar;39(2):224-9
Psychosocial aspects of aging: the black elderly. Carter JH. **J Natl Med Assoc** 1984 Mar;76(3):271-5
Race as a factor in the perceived importance of the use of psychotropic medication. Wood WD, et al. **J Psychiatr Res** 1982-83;17(3):297-301
Mental health professionals' views of Afro-American family life and sexuality. Powell GJ, et al. **J Sex Marital Ther** 1983 Spring;9(1):51-66
Household crowding and psychological well-being in a South African coloured community. Duckitt J. **J Soc Psychol** 1983 Dec;121(2d Half):231-8
Black 'six-hour retarded children' as young adults. Koegel P, et al. **Monogr Am Assoc Ment Defic** 1984;(6):145-71
The social structures of mildly mentally retarded Afro-Americans: gender comparisons. Mitchell-Kernan C, et al. **Monogr Am Assoc Ment Defic** 1984;(6):173-92
Some determinants of attitudes toward substance use in an urban ethnic community. Gary LE, et al. **Psychol Rep** 1984 Apr;54(2):539-45
Traditional health beliefs and practices among lower class black Americans. Snow LF. **West J Med** 1983 Dec; 139(6):820-8 (67 ref.)

BLACKWATER FEVER see under **MALARIA**

BLADDER

see related
CYSTOSCOPY
URINARY CATHETERIZATION

The Artificial Urinary Sphincter. State-of-the-art treatment for urinary incontinence. West JE 3d. **Ariz Med** 1984 Apr; 41(4):244-7
Management of obstructed balloon catheters. Browning GG, et al. **Br Med J [Clin Res]** 1984 Jul 14;289(6437):89-91
Estimates of dose to the bladder during direct radionuclide cystography: concise communication. Dimitriou P, et al. **J Nucl Med** 1984 Jul;25(7):792-5
A technique for continuous infusion into the mouse bladder. Guillery EN, et al. **J Urol** 1984 May;131(5):1005-7
Treatment of urinary incontinence with an artificial sphincter: further experience with the AS791/792 device. Sidi AA, et al. **J Urol** 1984 May;131(5):891-3
The use of the bladder wash-out test in patients with spinal cord lesions who have urinary tract infection. Wyndaele JJ, et al. **Paraplegia** 1983 Oct;21(5):294-300
History of cystometry. Ek A, et al. **Urology** 1983 Sep; 22(3):335-50
Absorbability of mucosa in total replacement of urinary bladder with jejunum. An experimental study. Kollias G, et al. **Urology** 1984 Jan;23(1):51-4
Urologic complications of hip arthroplasty. Wheeler JS Jr, et al. **Urology** 1983 Nov;22(5):499-503
[Thermoluminescent dosimetric measurements of doses to the bladder and rectum during gynecologic afterloading contact therapy] Ehrhardt M, et al. **Radiobiol Radiother (Berl)** 1984;25(2):247-54 (Eng. Abstr.) **(Ger)**
[Sonography of the efferent urinary tract. Suprapubic and intravesical methods] Frentzel-Beyme B, et al. **ROFO** 1984 Jan;140(1):54-60 (Eng. Abstr.) **(Ger)**
[The trigone] Hauri D. **Urologe [Ausg A]** 1983 Nov; 22(6):425-30 (Eng. Abstr.) **(Ger)**
[Uncommon complication following alloplastic vascular replacement. Rupture of a spurious aneurysm into the bladder] Winzer KJ, et al. **Zentralbl Chir** 1984; 109(13):871-5 **(Ger)**
[Bladder puncture in premature newborn infants with bacteriuria in the urine collected in bags] Martín Caballero JM, et al. **An Esp Pediatr** 1983 Oct;19(4):279-86 (Eng. Abstr.) **(Spa)**

ABNORMALITIES

Brief clinical report: prune belly syndrome: observations supporting the hypothesis of abdominal overdistention. Burton BK, et al. **Am J Med Genet** 1984 Mar;17(3):669-72
Megacystis-microcolon-intestinal hypoperistalsis syndrome. Vinograd I, et al. **Arch Dis Child** 1984 Feb;59(2):169-71
Twenty years of bladder sequelae of spina bifida. Singhal PC, et al. **Hosp Pract [Off]** 1984 Mar;19(3):244-6
Pelvic bladder in dogs without urinary incontinence. Mahaffey MB, et al. **J Am Vet Med Assoc** 1984 Jun 15; 184(12):1477-9
Megacystis-microcolon-intestinal hypoperistalsis syndrome: case report and review of the literature. Redman JF, et al. **J Urol** 1984 May;131(5):981-3
Megacystis-microcolon-intestinal hypoperistalsis syndrome in a newborn girl whose brother had prune belly syndrome: common pathogenesis? Oliveira G, et al. **Pediatr Radiol** 1983;13(5):294-6
Congenital anomalies of the adult bladder and urethra. Yoder IC, et al. **Semin Roentgenol** 1983 Oct;18(4):267-75
Multiple visceral congenital anomalies in a calf. Prieur DJ, et al. **Vet Pathol** 1984 Jul;21(4):452-4
[Case of megadolichoureter due to an anomaly of the ureterovesical junction in 2 brothers] Plauchu H, et al. **J Genet Hum** 1984 Jun;32(2):127-8 (Eng. Abstr.) **(Fre)**
[On renal function and structure in ureterovesical junction anomalies--with special reference to the genesis of renal dysplasia] Gotoh T. **Nippon Hinyokika Gakkai Zasshi** 1983 Sep;74(9):1493-508 (Eng. Abstr.) **(Jpn)**
[Anatomical defects of the urinary tract in children treated in a pediatric hospital] Stolarczyk J, et al. **Wiad Lek** 1983 Sep 1;36(17):1421-6 (Eng. Abstr.) **(Pol)**
[Urethro-vesical duplication. Report of a case] Blesa Sánchez E, et al. **An Esp Pediatr** 1984 May;20(8):811-3 **(Spa)**

ANALYSIS

Identification of actin-binding protein and villin in toad bladder epithelia. Ausiello DA, et al. **Am J Physiol** 1984 Jan;246(1 Pt 2):F101-4
RNA and DNA content of isolated nuclei from bladder irrigation specimens as measured by flow cytometry. Staiano-Coico L, et al. **Anal Quant Cytol** 1984 Mar; 6(1):24-9
Evaluation of cytostatic drug concentrations in the kidney, bladder wall, and prostate by means of the diffusion chamber technique in dogs. Porpaczy P, et al. **Urol Res** 1983;11(5):215-21
Glycosaminoglycans in urothelial carcinomas. Rübben H, et al. **Urol Res** 1983;11(4):163-6
Quantitative analysis of glycosaminoglycans in urothelium and bladder wall of calf. Rübben H, et al. **Urology** 1983 Dec;22(6):655-7
Dopaminergic receptors in guinea-pig bladder. Sanz F, et al. **Vet Res Commun** 1983 Dec;7(1-4):265-9
[Characterization of smooth muscle organs by determination of cellular myosin content] Pilgrim H, et al. **Acta Histochem (Jena)** 1983;73(2):145-50 (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

Possible mechanistic roles of anatomical and functional vascular changes in rat urinary bladder carcinogenesis induced by N-butyl-N-(4-hydroxybutyl)nitrosamine. Tatematsu M, et al. **Cancer Res** 1984 Jan;44(1):278-84
Bladder stretch during increase in abdominal pressure. Plevnik S. **Clin Phys Physiol Meas** 1983 Aug;4(3):315-20
[Sonographic determination of residual urine] Rageth JC, et al. **Helv Chir Acta** 1983 Jun;50(3):301-5 (Eng. Abstr.) **(Ger)**

BLOOD SUPPLY

[Microvascular architecture of the normal urinary bladder and the bladder tumor] Takayama H. **Nippon Hinyokika Gakkai Zasshi** 1984 Jan;75(1):25-31 (Eng. Abstr.) **(Jpn)**

CYTOLOGY

The presence of G1 and G2 populations in normal epithelium of rat urinary bladder. Kaneko H, et al. **Basic Appl Histochem** 1984;28(1):41-57
Inhibition of tumor development in the regenerating rat urinary bladder stimulated to proliferate by cyclophosphamide. Kunze E, et al. **Eur J Cancer Clin Oncol** 1984 May;20(5):711-7
Identification of cells from fetal bladder epithelium in human amniotic fluid. von Koskull H, et al. **Hum Genet** 1984; 65(3):262-7
Organoid structure of normal rat bladder in unilaminar and bilaminar histophysiologic gradient culture : methods and observations. Leighton J, et al. **In Vitro** 1984 Mar;20(3 Pt 1):183-97
A rapid method for preparation of urinary bladder epithelium for flow cytometric analysis. Ayres PH, et al. **J Urol** 1984 Jun;131(6):1202-5
Species cross-reactive membrane-associated urothelial differentiation antigen. Trejdosiewicz LK, et al. **JNCI** 1984 Feb;72(2):355-66
Angiogenesis-inducing ability of human bladder epithelium cell lines and 'spontaneously' transformed murine fibroblasts. Kaminski MJ, et al. **Proc Soc Exp Biol Med** 1983 Dec;174(3):383-91

DRUG EFFECTS

In vivo and in vitro studies on the effect of sodium antagonists on the bladder in man and rat. Castleden CM, et al. **Age Ageing** 1983 Aug;12(3):249-55
Dual action of aldosterone on toad bladder: Na+ permeability and Na+ pump modulation. Park CS, et al. **Am J Physiol** 1984 Apr;246(4 Pt 2):F517-25
Detrusor tone after epidural morphine [letter] Baxter AD, et al. **Anesth Analg** 1984 Apr;63(4):464
Effects of 13-cis retinoic acid on dibutyl-nitrosamine-induced cell kinetic changes in mouse urinary bladder epithelium. Høgstmark J, et al. **Anticancer Res** 1983 Sep-Oct;3(5):337-42
Morphine and the centrally-mediated inhibition of urinary bladder motility in the rat. Dray A, et al. **Brain Res** 1984 Apr 9;297(1):191-5
The development of mesna for regional detoxification. Brock N, et al. **Cancer Treat Rev** 1983 Sep;10 Suppl A:33-43
Characterization of the purine ring-opened 7-methylguanine and its persistence in rat bladder epithelial DNA after treatment with the carcinogen N-methylnitrosourea. Kadlubar FF, et al. **Carcinogenesis** 1984 May;5(5):587-92
Opioids and central inhibition of urinary bladder motility. Dray A, et al. **Eur J Pharmacol** 1984 Feb 10;98(1):155-6
A study of the atropine-resistant component of the neurogenic response of the rabbit urinary bladder. Longhurst PA, et al. **Eur J Pharmacol** 1984 Apr 6; 99(4):295-302
Inhibitory effect of alpha-alpha-diphenyl-alpha-propoxyacetic acid-L-methyl-4-piperidyl ester hydrochloride on the activity of the rat urinary bladder. Nagai M, et al. **Experientia** 1983 Dec 15;39(12):1388-9
The effect of peripherally administered GABA on spontaneous contractions of rat urinary bladder in vivo. Maggi CA, et al. **Gen Pharmacol** 1983;14(4):455-8
Experimental toxicology of ASTA Z 7557 (INN mafosfamide). Pohl J, et al. **Invest New Drugs** 1984; 2(2):201-6
GABAB receptor mediated inhibition of field stimulation induced contractions of detrusor muscle strips from newborn rats. Maggi CA, et al. **J Auton Pharmacol** 1984 Mar;4(1):45-51
The effects of clonidine on electrically-induced contractions of rat detrusor strips in vitro. Santicioli P, et al. **J Auton Pharmacol** 1983 Sep;3(3):161-6
Effects of thyromimetic drugs on aldosterone-dependent sodium transport in the toad bladder. Geering K, et al. **J Membr Biol** 1984;77(1):15-23
Effects of potassium-free media on ADH action in toad urinary bladder. Kachadorian WA, et al. **J Membr Biol** 1984;77(2):161-7
Effects of thyroid hormones and aldosterone on mineralocorticoid binding sites in the toad bladder. Rossier BC, et al. **J Membr Biol** 1984;77(1):25-32
GABAB receptor mediated inhibition of field stimulation-induced contractions of rabbit bladder muscle in-vitro. Santicioli P, et al. **J Pharm Pharmacol** 1984 Jun; 36(6):378-81
Evidence for the involvement of arachidonic acid metabolites in spontaneous and drug-induced contractions of rat urinary bladder. Maggi CA, et al. **J Pharmacol Exp Ther** 1984 Aug;230(2):500-13
Reserpine-induced detrusor hyperreflexia: an in vivo model for studying smooth muscle relaxants at urinary bladder level. Maggi CA, et al. **J Pharmacol Methods** 1983 Sep; 10(2):79-91
Supersensitivity to carbachol in the parasympathetically decentralized feline urinary bladder. Mattiasson A, et al. **J Urol** 1984 Mar;131(3):562-5
Structural and functional response of toad urinary bladder to LiCl. Fernandez-Repollet E, et al. **Kidney Int** 1983 Dec; 24(6):719-30
Effect of lanthanum on urinary acidification and sodium transport by the turtle and toad bladder. Sabatini S, et al. **Miner Electrolyte Metab** 1984;10(1):12-20
Alteration in surface substructure of frog urinary bladder by calcium ionophore, verapamil and antidiuretic hormone. Mia AJ, et al. **Tissue Cell** 1983;15(5):737-48
Effect of the uroprotector sodium 2-mercaptoethane sulfonate (Mesna) on the proliferation of the bladder urothelium in the rat after administration of cyclophosphamide. Kunze E, et al. **Urol Int** 1984;39(2):61-7
Analysis of the anticholinergic and musculotropic effects of desmethylimipramine on the rabbit urinary bladder. Levin RM, et al. **Urol Res** 1983;11(6):259-62
In vitro effects of vasoactive intestinal polypeptide on guinea pig urinary bladder. Finkbeiner AE. **Urology** 1983 Sep; 22(3):275-7
[Possibilities of the drug modification of the urethra and urinary bladder] Schumacher T, et al. **Geburtshilfe Frauenheilkd** 1983 Dec;43(12):773-9 (Eng. Abstr.) **(Ger)**
[Fundamental studies on intravesical instillation of carboquone for treatment of urinary bladder tumors--on the effects of intravesical instillation of carboquone in normal beagle dogs] Okajima E, et al. **Hinyokika Kiyo** 1983 Sep;29(9):1061-74 (Eng. Abstr.) **(Jpn)**
[Effects of anesthetics (fluothane and nitrous oxide) and analgesics (diazepam and pentazocine) on the intracystic

pressure curves] Takatsuka K, et al.
Nippon Hinyokika Gakkai Zasshi 1983 Mar;74(3):360–7 (Eng. Abstr.) **(Jpn)**

[Effects of propantheline and imipramine on bladder and salivary functions: comparative study in vivo] Aragona F.
Actas Urol Esp 1984 Mar–Apr;8(2):105–8 (Eng. Abstr.) **(Spa)**

[Dopaminergic receptors of the bladder. Study of bladder pharmacologic behavior] Idoipe Tomás C, et al.
Arch Farmacol Toxicol 1983 Dec;9(3):233–42 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

Effect of aldosterone on abundance and phosphorylation kinetics of Na–K–ATPase of toad urinary bladder. Park CS, et al. **Am J Physiol** 1984 Apr;246(4 Pt 2):F509–16

Metabolic activation of carcinogenic aromatic amines by dog bladder and kidney prostaglandin H synthase. Wise RW, et al. **Cancer Res** 1984 May;44(5):1893–7

Stimulatory and inhibitory effects of guanine nucleotides on arginine–vasotocin–sensitive adenylate cyclase in the epithelial cell membranes of the bullfrog bladder. Mishina T, et al. **J Endocrinol** 1983 Nov;99(2):269–79

GROWTH & DEVELOPMENT

Smooth muscle in the wall of the developing human urinary bladder and urethra. Gilpin SA, et al. **J Anat** 1983 Oct; 137 (Pt 3):503–12

IMMUNOLOGY

Immunoglobulin deposits in bladder epithelium and vessels in interstitial cystitis: possible relationship to circulating anti–intermediate filament autoantibodies. Mattila J, et al. **Clin Immunol Immunopathol** 1984 Jul;32(1):81–9

Immunoperoxidase versus specific red cell adherence in detection of ABO(H) antigens on normal urothelium. Double–blind study. McAlpine RG, et al. **Urology** 1984 Aug;24(2):153–6

INJURIES

Bladder rupture during ECT [letter] Irving AD, et al.
Br J Psychiatry 1984 Jun;144:670

Management of blunt injury to the lower urinary tract. MacMahon R, et al. **Can J Surg** 1983 Sep;26(5):415–8

Chronobiologic fluctuation of cyclophosphamide induced urinary bladder damage in mice. Hacker MP, et al.
Chronobiologia 1983 Jul–Sep;10(3):301–6

Physiopathology and surgical treatment of extravasated peritoneal fluid after transurethral resection. Montesinos Baillo A, et al. **Eur Urol** 1984;10(3):183–6

The obturator nerve block. Preventing damage of the bladder wall during transurethral surgery. Hradec E, et al.
Int Urol Nephrol 1983;15(2):149–53

Mechanical trauma to bladder epithelium liberates prostanoids which modulate neurotransmission in rabbit detrusor muscle. Downie JW, et al.
J Pharmacol Exp Ther 1984 Aug;230(2):445–9

The multiple injured patient with bladder trauma. Cass AS.
J Trauma 1984 Aug;24(8):731–4

False negative retrograde cystography with bladder rupture owing to external trauma. Cass AS. **J Trauma** 1984 Feb; 24(2):168–9

Nephrogenic adenoma of the bladder after kidney transplantation: spontaneous improvement with azathioprine removal; surgical trauma and cytomegalovirus infection as possible etiologic factors. Beaudry C, et al. **J Urol** 1983 Dec;130(6):1183–5

Major bladder trauma: mechanisms of injury and a unified method of diagnosis and repair. Carroll PR, et al.
J Urol 1984 Aug;132(2):254–7

Major bladder trauma: the accuracy of cystography. Carroll PR, et al. **J Urol** 1983 Nov;130(5):887–8

Urological injury and assessment in patients with fractured pelvis. Fallon B, et al. **J Urol** 1984 Apr;131(4):712–4

Trauma to the bladder neck, trigone and vagina in children. Merchant WC 3d, et al. **J Urol** 1984 Apr;131(4):747–50

Neonatal bladder injury occurring after umbilical artery catheterization by cutdown. Kaufman JM, et al. **JAMA** 1983 Dec 2;250(21):2968–70

Neonatal bladder injury after umbilical artery catheterization by cutdown [letter] Nagarajan VP. **JAMA** 1984 Aug 10; 252(6):765

Balloon problems with Foley catheters [letter] Kelly TW, et al. **Lancet** 1983 Dec 3;2(8362):1310

Outdated catheters: a possible hazard of Helmstein bladder distention [letter] Pittam MR, et al. **Lancet** 1983 Oct 29; 2(8357):1020

Perforation of the bladder by the intrauterine device. Zakin D. **Obstet Gynecol Surv** 1984 Feb;39(2):59–66 (12 ref.)

Trauma of the adult bladder and urethra. Bonavita JA, et al. **Semin Roentgenol** 1983 Oct;18(4):299–306 (18 ref.)

Transurethral endoscopic removal of cylindrical intravesical body. Roemer KR, et al. **Urology** 1984 Jun;23(6):592–3

[A case of rectovesical injury caused by impalement] Bouchet P, et al. **Ann Chir** 1984 Feb;38(1):62–4 (Eng. Abstr.) **(Fre)**

[Post–traumatic pneumobladder. Apropos of a case] Truong P, et al. **J Radiol** 1983 Jun–Jul;64(6–7):433–5 (Eng. Abstr.) **(Fre)**

[Rupture of the bladder in blunt abdominal injuries] Jonitz H, et al. **Helv Chir Acta** 1983 Jun;50(3):231–4 (Eng. Abstr.) **(Ger)**

[Bladder and urethral injuries – report of experiences] Zwergel U, et al. **Unfallchirurgie** 1983 Oct;9(5):288–93 (Eng. Abstr.) **(Ger)**

[Diagnosis and treatment of bladder ruptures] Babadzhanian SS, et al. **Voen Med Zh** 1984 Apr;(4):56–7 **(Rus)**

INNERVATION

Neuronal GABA release and GABA inhibition of ACh release in guinea pig urinary bladder. Kusunoki M, et al.
Am J Physiol 1984 Apr;246(4 Pt 2):R502–9

A novel non–adrenergic, non–cholinergic nerve–mediated relaxation of the pig bladder neck: an examination of possible neurotransmitter candidates. Hills J, et al.
Eur J Pharmacol 1984 Apr 6;99(4):287–93

The fine structure of autonomic neurons in the wall of the human urinary bladder. Gilpin CJ, et al. **J Anat** 1983 Dec; 137 (Pt 4):705–13

A sympathetic projection from sacral paravertebral ganglia to the pelvic nerve and to postganglionic nerves on the surface of the urinary bladder and large intestine of the cat. Kuo DC, et al. **J Comp Neurol** 1984 Jun 10; 226(1):76–86

The location and morphology of preganglionic neurons and the distribution of visceral afferents from the rat pelvic nerve: a horseradish peroxidase study. Nadelhaft I, et al.
J Comp Neurol 1984 Jun 20;226(2):238–45

Neuronally mediated interactions between urinary bladder and internal anal sphincter motility in the cat. Bouvier M, et al. **J Physiol (Lond)** 1984 Jan;346:461–9

Ultrastructure of vesicourethral innervation. II. Postganglionic axoaxonal synapses in intrinsic innervation of the vesicourethral lissosphincter: a new structural and functional concept in micturition. Elbadawi A. **J Urol** 1984 Apr;131(4):781–90

Vesicourethral motility following acute spinal cord transection in the cat. Hassouna M, et al. **J Urol** 1984 Feb; 131(2):370–3

Denervation of the bladder [editorial] **Lancet** 1984 May 19; 1(8386):1106–8

Ultrastructure of arborization receptor terminals. Vshivtseva VV, et al. **Neurosci Behav Physiol** 1984 Jan–Feb; 14(1):19–22

The presence of leucine–enkephalin in the sacral preganglionic pathway to the urinary bladder of the cat. Kawatani M, et al. **Neurosci Lett** 1983 Aug 29;39(2):143–8

Sensory substance P–innervation of the urinary bladder: possible site of action of capsaicin in causing urine retention in rats. Sharkey KA, et al. **Neuroscience** 1983 Nov; 10(3):861–8

The origin of VIP–containing nerves in the urinary bladder of rat. Gu J, et al. **Peptides (Fayetteville)** 1984 Mar–Apr; 5(2):219–23

Localisation and measurement of VIP in the genitourinary system of man and animals. Polak JM, et al.
Peptides (Fayetteville) 1984 Mar–Apr;5(2):225–30

[Micturition syncope] Lambiase M, et al.
Acta Neurol (Napoli) 1984 Feb;6(1):60–77 (Eng. Abstr.) **(Ita)**

[Innervation of the urinary bladder of Ovis aries L.] Gentile R, et al. **Boll Soc Ital Biol Sper** 1983 Dec 30;59(12):1761–6 (Eng. Abstr.) **(Ita)**

[Modality of the bush–like receptors] Malorov VN, et al.
Arkh Anat Gistol Embriol 1983 Jul;85(7):26–31 (Eng. Abstr.) **(Rus)**

[Electrophysiologic properties of neurons of the metasympathetic plexus of the urinary bladder in the frog] Didenko AV, et al. **Fiziol Zh SSSR** 1983 Nov;69(11):1417–9 **(Rus)**

[Adrenergic mechanisms of the cystic plexus in the cat] Pushkarev IuP. **Fiziol Zh SSSR** 1984 Apr;70(4):464–7 (Eng. Abstr.) **(Rus)**

[Changes in the redox system of the terminal boutons of bush receptors in different functional states] Zamuraev IN, et al. **Fiziol Zh SSSR** 1983 Nov;69(11):1427–32 (Eng. Abstr.) **(Rus)**

METABOLISM

Ammonia transport by the turtle urinary bladder. Arruda JA, et al. **Am J Physiol** 1984 May;246(5 Pt 2):F635–47

Modification of carboxyl of Na+ channel inhibits aldosterone action on Na+ transport. Kipnowski J, et al.
Am J Physiol 1983 Dec;245(6):F726–34

Modulation of antidiuretic hormone–dependent capacitance and water flow in toad urinary bladder. Palmer LG, et al. **Am J Physiol** 1984 Apr;246(4 Pt 2):F501–8

Functional groups of the Na+ channel: role of carboxyl and histidyl groups. Park CS, et al. **Am J Physiol** 1983 Dec; 245(6):F716–25

Image analysis and DNA content of urothelial cells infected with human polyomavirus. Koss LG, et al.
Anal Quant Cytol 1984 Jun;6(2):89–94

Alterations in extracellular calcium concentration differentially influence prostaglandin and thromboxane synthesis in epithelial cells from the toad urinary bladder. Burch RM, et al. **Arch Biochem Biophys** 1984 Feb 15; 229(1):90–7

Acid–base metabolism, intracellular pH and water transport by the toad bladder. Arruda JA, et al.
Arch Int Pharmacodyn Ther 1983 Sep;265(1):150–63

Steroid–induced protein synthesis in giant–toad (Bufo marinus) urinary bladders. Correlation with natriferic activity. Geheb M, et al. **Biochem J** 1984 Feb 15; 218(1):221–8

2–Mercapto–1–(beta–4–pyridethyl) benzimidazole inhibition of basal and aldosterone–stimulated sodium transport but prolongation of the transient theophylline–induced stimulation in the toad bladder. Lahav M.
Biochem Pharmacol 1983 Nov 15;32(22):3271–8

Glutathione and glutathione S–transferases in the urinary bladder of different species. Whyte WL, et al.
Biochem Pharmacol 1984 Jun 1;33(11):1813–6

Characterization of androgen binding and deoxyribonucleic acid synthesis in prostate–like structures induced in the urothelium of testicular feminized (Tfm/Y) mice. Shannon JM, et al. **Biol Reprod** 1984 Aug;31(1):175–83

Interaction of aminoglycoside antibiotics with artificial and biological membrane. Correlation with their toxicity. Gallucci E, et al. **Boll Soc Ital Biol Sper** 1984 May 30;60 Suppl 4:195–9

Characterization of the alpha–adrenoceptors in the female rabbit urethra. Andersson KE, et al. **Br J Pharmacol** 1984 Feb;81(2):293–300

Permeability and ultrastructure of human bladder epithelium. Eldrup J, et al. **Br J Urol** 1983 Oct;55(5):488–92

Urinary 6–oxo prostaglandin F1 alpha in myocardial infarction [letter] Jeremy JY, et al.
Br Med J [Clin Res] 1983 Oct 22;287(6400):1222–3

Evidence for angiotensin II receptors in the urinary bladder of the rabbit. Anderson GF, et al.
Can J Physiol Pharmacol 1984 Apr;62(4):390–5

Effects of luminal pH and luminal HCO3 on Cl–HCO3 exchange across turtle urinary bladder. Mahadeva V, et al. **Can J Physiol Pharmacol** 1983 Sep;61(9):1081–4

The mode of carcinogenic action of saccharin. Clayson DB.
Cancer Lett 1984 Mar;22(2):119–23

Bovine bladder urothelial cell activation of carcinogens to metabolites mutagenic to Chinese hamster V79 cells and Salmonella typhimurium. Oglesby LA, et al.
Cancer Res 1983 Nov;43(11):5194–9

Bovine bladder and liver cell and homogenate–mediated mutagenesis of Salmonella typhimurium with aromatic amines. Hix C, et al. **Carcinogenesis** 1983 Nov;4(11):1401–7

Metabolism of 2–naphthylamine and benzidine by rat and human bladder organ cultures. Moore BP, et al.
Carcinogenesis 1984 Jul;5(7):949–54

The effect of catecholamines on H+ and NH+4 excretion in toad urinary bladder. Frazier LW.
Comp Biochem Physiol [C] 1983;75(2):321–6

Estradiol receptors in the urethra and the bladder of the female rabbit. Urner F, et al. **Gynecol Obstet Invest** 1983; 16(5):307–13

Lack of estrogen and progestin receptors in the urinary bladder of women. Punnonen R, et al.
Horm Metab Res 1983 Sep;15(9):464–5

[1,6–alpha–aminosuberic acid, 3–(p–azidophenylalanine), 8–arginine] vasopressin: a new photoaffinity label for hydroosmotic hormone receptors. Characterization of the ligand and irreversible stimulation of hydroosmotic water flow in toad bladder by photoaffinity labeling. Fahrenholz F, et al. **J Biol Chem** 1983 Dec 25;258(24):14861–7

A simple and sensitive procedure for measuring isotope fluxes through ion–specific channels in heterogenous populations of membrane vesicles. Garty H, et al. **J Biol Chem** 1983 Nov 10;258(21):13094–9

Energetics of sodium transport in the urinary bladder of the toad. Effect of aldosterone and sodium cyanide. Cortas N, et al. **J Clin Invest** 1984 Jan;73(1):46–52

Dynamic 131I–labelled insulin distribution in rabbits as seen by in–vivo scintigraphic studies. Bourgeois P, et al.
J Endocrinol 1983 Sep;98(3):331–42

The water permeability of toad urinary bladder. I. Permeability of barriers in series with the luminal membrane. Levine SD, et al. **J Gen Physiol** 1984 Apr; 83(4):529–41

Serosal Na/Ca exchange and H+ and Na+ transport by the turtle and toad bladders. Arruda JA, et al.
J Membr Biol 1982;70(2):135–46

Cellular lithium and transepithelial transport across toad urinary bladder. Hughes PM, et al. **J Membr Biol** 1982; 70(1):69–88 (66 ref.)

Acid pH and weak acids induce Na—Cl cotransport in the rabbit urinary bladder. Ifshin MS, et al. **J Membr Biol** 1983; 76(2):151–64

Apical membrane permeability and kinetic properties of the sodium pump in rabbit urinary bladder. Lewis SA, et al.
J Physiol (Lond) 1983 Aug;341:169–84

Effects of hormonal and electrical stimulation of sodium transport on metabolism of toad urinary bladder. McLaughlin CW. **J Physiol (Lond)** 1984 Jan;346:419–37

Characterization of muscarinic cholinergic receptor binding in the vas deferens, bladder, prostate and penis of the rabbit. Lepor H, et al. **J Urol** 1984 Aug;132(2):392–6

Release of arachidonate cascade products by the rabbit bladder; neurophysiological significance? Leslie CA, et al.
J Urol 1984 Aug;132(2):376–9

Absorption of doxorubicin–hydrochloride and mitomycin–C after instillation into noninfected and infected bladders of dogs. Schmidbauer CP, et al. **J Urol** 1984 Apr; 131(4):818–21

Decrease in rabbit bladder mucosal glycoprotein after oophorectomy. Weisman K, et al. **J Urol** 1984 Aug;

132(2):380–3
Induction of DNA repair synthesis in human urothelial cells by the N-hydroxy metabolites of carcinogenic arylamines. Wang CY, et al. **JNCI** 1984 Apr;72(4):847–52
Intracellular pH of the urinary bladder and red blood cells of the fresh water turtle. Arruda JA, et al. **Miner Electrolyte Metab** 1984;10(4):232–8
High [K+] alters the stimulus–hydrosmotic response coupling in toad bladder. Grosso A, et al. **Pflugers Arch** 1984 Apr;400(4):349–55
The topical use of misonidazole in bladder cancer. Awwad HK, et al. **Prog Clin Biol Res** 1983;132D:305–16
Distribution of concanavalin A binding sites on normal human urinary bladder mucosa and bladder tumors by transmission and scanning electron microscopy and X-ray microanalysis. Takayama H. **Urol Res** 1984;12(2):135–41
[Effect of pathologic changes in the urinary epithelium on the absorption of ethoglucide (Epodyl) from the bladder] Lunglmayr G, et al. **Wien Klin Wochenschr** 1984 Mar 2; 96(5):182–5 (Eng. Abstr.) **(Ger)**
[Thermotherapy for cancer of the urinary bladder in combination with tegafur and picibanil—with special reference to the serum bladder and bladder cancer tissue concentrations of tegafur in a perfusion fluid] Murahashi I, et al. **Gan To Kagaku Ryoho** 1984 Sep;11(9):1781–8 (Eng. Abstr.) **(Jpn)**
[A study on transfer of ceftizoxime into prostatic and vesical tissues] Katsumi T, et al. **Hinyokika Kiyo** 1984 Feb; 30(2):259–64 (Eng. Abstr.) **(Jpn)**
[Concentration of cefotiam in the human prostatic tissue and bladder wall] Koshido Y, et al. **Jpn J Antibiot** 1984 Feb; 37(2):229–36 (Eng. Abstr.) **(Jpn)**
[Study on enhancement of the permeability of drugs to the wall of the urinary bladder by hyperthermia with lidocaine] Takahashi Y. **Nippon Hinyokika Gakkai Zasshi** 1983 Sep; 74(9):1518–25 (Eng. Abstr.) **(Jpn)**

MICROBIOLOGY

Mutations in E coli cistrons affecting adhesion to human cells do not abolish Pap pili fiber formation. Norgren M, et al. **EMBO J** 1984 May;3(5):1159–65
Localization of urinary tract infection in patients with spinal cord injury. Hooton TM, et al. **J Infect Dis** 1984 Jul; 150(1):85–91
Culture of mid catheter urine collected via an open-ended catheter: a reliable guide to bladder bacteriuria. Murphy BF, et al. **J Urol** 1984 Jan;131(1):19–21
Effect of ammonium on bacterial adherence to bladder transitional epithelium. Parsons CL, et al. **J Urol** 1984 Aug; 132(2):365–6
Bladder defense mechanisms against urinary tract infections. Schaeffer AJ. **Semin Urol** 1983 May;1(2):106–13

PATHOLOGY

Changes in length and volume of smooth muscle cells of the hypertrophied rat urinary bladder. Ekström J, et al. **Acta Physiol Scand** 1983 Aug;118(4):305–8
Interobserver and intraobserver differences in the diagnosis of urothelial cells. Comparison with classification by computer. Sherman AB, et al. **Anal Quant Cytol** 1984 Jun; 6(2):112–20
The ureterovesical junction. Juskiewenski S, et al. **Anat Clin** 1984;5(4):251–9
Eosinophilic cystitis with giant cells. A light microscopic and ultrastructural study. Antonakopoulos GN, et al. **Arch Pathol Lab Med** 1984 Sep;108(9):728–31
Vasoactive intestinal polypeptide in the normal and unstable bladder. Gu J, et al. **Br J Urol** 1983 Dec;55(6):645–7
The smooth muscle of rat bladder in the early stages of streptozotocin-induced diabetes. Lincoln J, et al. **Br J Urol** 1984 Feb;56(1):24–30
Prognostic significance of biopsy results of normal-looking mucosa in cases of superficial bladder cancer. Smith G, et al. **Br J Urol** 1983 Dec;55(6):665–9
The relationship between non-invasive papillary lesions and invasive bladder carcinoma. Brawn PN. **Cancer** 1984 Aug 15;54(4):620–3
Characterization of ploidy level in bladder tumors and selected site specimens by flow cytometry. Jakobsen A, et al. **Cytometry** 1983 Sep;4(2):170–3
The value of histologic grading and staging, random biopsies, tumor and bladder mucosa blood group antigens, in predicting progression of superficial bladder cancer. Huland H, et al. **Eur Urol** 1984;10(1):28–31
Involvement of the urinary bladder in systemic lupus erythematosus. A pathologic study. Alarcón-Segovia D, et al. **J Rheumatol** 1984 Apr;11(2):208–10
Ploidy disturbance of normal-appearing bladder mucosa in patients with urothelial cancer: relationship to morphology. Farsund T, et al. **J Urol** 1983 Dec;130(6):1076–82
Surveillance of stage O, grade I bladder cancer by cytology alone—is it acceptable? Morrison DA, et al. **J Urol** 1984 Oct;132(4):672–4
Collagen content in the rat urinary bladder subjected to infravesical outflow obstruction. Uvelius B, et al. **J Urol** 1984 Sep;132(3):587–90
Smooth muscle cell hypertrophy and hyperplasia in the rat detrusor after short-time infravesical outflow obstruction. Uvelius B, et al. **J Urol** 1984 Jan;131(1):173–6
Evaluation of bladder washings and urine cytology in the diagnosis of bladder cancer and its correlation with selected biopsies of the bladder mucosa. Zein T, et al. **J Urol** 1984 Oct;132(4):670–1
Residual urine in prostatism estimated by ultrasound scanning: a simple rule. Abrams PH, et al. **Radiography** 1983 Aug;49(584):194
DNA aberrations of bladder mucosa in patients with transitional cell carcinomas. Høstmark JG, et al. **Scand J Urol Nephrol** 1984;18(2):113–20
Diagnosis, staging, and classification of bladder tumors. Cummings KB. **Semin Urol** 1983 Feb;1(1):7–14
Cytomorphological and histological studies on the urothelium during and after chemoimmune prophylaxis. Adolphs HD, et al. **Urol Res** 1984;12(2):129–33
Biopsy-cucumber unit: improved method for preparing bladder biopsy specimens. Watson RA, et al. **Urology** 1984 Apr;23(4):392–3
Mucinous adenocarcinoma of bladder. Case associated with extensive intestinal metaplasia of urothelium in patient with nonfunctioning bladder for twelve years. Young RH, et al. **Urology** 1984 Aug;24(2):192–5
[Importance of in vitro autoradiography for the assessment of bladder biopsies] Blume B, et al. **Acta Histochem [Suppl] (Jena)** 1984;30:105–9 **(Ger)**
[Histological and autoradiographic studies of the objective characterization of the degree of dysplasia in the urothelium] Blume B, et al. **Zentralbl Allg Pathol** 1984; 129(1):21–6 (Eng. Abstr.) **(Ger)**
[Pathological changes associated with topical chemotherapy of adriamycin for bladder cancer] Fujioka T, et al. **Hinyokika Kiyo** 1983 Aug;29(8):869–73 (Eng. Abstr.) **(Jpn)**
[Photocystoscopy: experience with a new telescope and polaroid camera] Miki M, et al. **Hinyokika Kiyo** 1983 Nov; 29(11):1475–9 (Eng. Abstr.) **(Jpn)**
[Application of microexplosion to medicine and biology. 7. Extents of bladder injuries caused by microexplosion] Watanabe K. **Nippon Hinyokika Gakkai Zasshi** 1983 Mar; 74(3):299–310 (Eng. Abstr.) **(Jpn)**
[Histological studies on non-neoplastic lesions of the urinary bladder epithelium. Second report: the influence of indwelling catheterization] Yamamoto A, et al. **Nippon Hinyokika Gakkai Zasshi** 1984 Feb;75(2):290–4 (Eng. Abstr.) **(Jpn)**
[Histological studies on non-neoplastic lesions of the urinary bladder epithelium. First report: in 132 biopsy cases] Yamamoto A, et al. **Nippon Hinyokika Gakkai Zasshi** 1984 Feb;75(2):283–9 (Eng. Abstr.) **(Jpn)**
[Value and possibilities of the cytological study of alcohol washings for the diagnosis of cancer of the bladder] Nechiporenko NA, et al. **Lab Delo** 1983;(9):10–4 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Studies on the excitatory neurotransmission in the guinea-pig urinary bladder. Kasakov L. **Acta Physiol Pharmacol Bulg** 1984;10(1):13–20
A bladder contractility constant. Byrne JC, et al. **Am J Physiol** 1983 Nov;245(5 Pt 1):R673–7
Aldosterone response in the turtle bladder is associated with an increase in ATP. Cortas N, et al. **Am J Physiol** 1983 Oct;245(4):F512–4
Ion and water transport by the flounder urinary bladder: salinity dependence. Demarest JR. **Am J Physiol** 1984 Apr; 246(4 Pt 2):F395–401
Passive and active ion transport by the urinary bladder of a euryhaline flounder. Demarest JR, et al. **Am J Physiol** 1984 Apr;246(4 Pt 2):F402–8
Cytoplasmic involvement in ADH-mediated osmosis across toad urinary bladder. DiBona DR. **Am J Physiol** 1983 Nov; 245(5 Pt 1):C297–307
Covalent linkage of [Phe2,Phe(p-N3)3]AVP to vasopressin receptors. Eggena P, et al. **Am J Physiol** 1984 May;246(5 Pt 1):C486–93
Chloride dependence of the HCO3 exit step in urinary acidification by the turtle bladder. Fischer JL, et al. **Am J Physiol** 1983 Nov;245(5 Pt 1):F564–8
Alteration of luminal membrane structure by antidiuretic hormone. Hays RM. **Am J Physiol** 1983 Nov;245(5 Pt 1):C289–96 (58 ref.)
Role of carboxyl group in Na+-entry step at apical membrane of toad urinary bladder. Park CS, et al. **Am J Physiol** 1983 Dec;245(6):F707–15
Simultaneous cystometry and uroflowmetry (micturition study) for evaluation of the caudal part of the urinary tract in dogs: reference values for healthy animals sedated with xylazine. Moreau PM, et al. **Am J Vet Res** 1983 Sep; 44(9):1774–81
Simultaneous cystometry and uroflowmetry (micturition study) for evaluation of the caudal part of the urinary tract in dogs: studies of the technique. Moreau PM, et al. **Am J Vet Res** 1983 Sep;44(9):1769–73
Chloride-induced increment in short-circuiting current of the turtle bladder. Effects of in-vivo acid-base state. Durham JH, et al. **Biochim Biophys Acta** 1984 Jan 25; 769(2):297–310
Feedback inhibition of sodium uptake in K+-depolarized toad urinary bladders. Garty H, et al. **Biochim Biophys Acta** 1984 Mar 28;771(1):89–98
Filled bladder simplifies human embryo transfer. Sundström P, et al. **Br J Obstet Gynaecol** 1984 May;91(5):506–7
The bladder during physical activity: further views on natural-filling urodynamic investigations. James ED. **Br J Urol** 1983 Oct;55(5):570
Human female bladder and its noncholinergic contractile function. Cowan WD, et al. **Can J Physiol Pharmacol** 1983 Nov;61(11):1236–46
Structural bases for neural and myogenic control of human detrusor muscle. Daniel EE, et al. **Can J Physiol Pharmacol** 1983 Nov;61(11):1247–73
Specific binding, stimulation of rodent urinary bladder epithelial ornithine decarboxylase, and induction of transitional cell hyperplasia by the skin tumor promoter 12-O-tetradecanoylphorbol-13-acetate. Verma AK, et al. **Cancer Res** 1983 Dec;43(12 Pt 1):5964–71
On the physiology of continence and pathophysiology of stress incontinence in the female. Asmussen M, et al. **Contrib Gynecol Obstet** 1983;10:32–50
Irreversible stimulation of hydroosmotic response in toad bladder by photoaffinity labeling with [Phe2,Phe-(p-N3)3]Vasopressin. Eggena P, et al. **Endocrinology** 1983 Oct;113(4):1413–21
Inhibition of experimental urinary bladder carcinogenesis by partial cystectomy. Kunze E, et al. **Eur J Cancer Clin Oncol** 1983 Oct;19(10):1487–8
Viscero-somatic reflexes following distension of urinary bladder in cats: role of supraspinal neuraxis. Koley BN, et al. **Experientia** 1984 Jul 15;40(7):689–90
Development of a new tachykinin antagonist. Mathison R, et al. **Experientia** 1984 Jan 15;40(1):86–8
The elastic behavior of the urinary bladder for large deformations. Regnier CH, et al. **J Biomech** 1983; 16(11):915–22
Sodium chloride absorption by the urinary bladder of the winter flounder. A thiazide-sensitive, electrically neutral transport system. Stokes JB. **J Clin Invest** 1984 Jul; 74(1):7–16
Regulation of proton transport in urinary epithelia. Al-Awqati Q, et al. **J Exp Biol** 1983 Sep;106:135–41 (9 ref.)
Current-voltage relations of the basolateral membrane in tight amphibian epithelia: use of nystatin to depolarize the apical membrane. Garty H. **J Membr Biol** 1984; 77(3):213–22
Electrophysiology of Necturus urinary bladder: II. Time-dependent current-voltage relations of the basolateral membranes. Schultz SG, et al. **J Membr Biol** 1984;79(3):257–69
Electrical impedance measurement of urinary bladder fullness. Abbey JC, et al. **J Microwave Power** 1983 Sep; 18(3):305–9
Effect of skeletal muscle relaxants on bladder smooth muscle. Ayyat FM, et al. **J Urol** 1984 Aug;132(2):372–5
Isometric detrusor pressure during bladder filling and its dependency on bladder volume and interruption to flow in control subjects. Constantinou CE, et al. **J Urol** 1984 Jan;131(1):86–90
Vasoactive intestinal polypeptide influence on lower urinary tract smooth muscle from human and pig. Klarskov P, et al. **J Urol** 1984 May;131(5):1000–4
Re: Treatment of motor and sensory detrusor instability by electrical stimulation; and Re: The neurophysiological basis of bladder inhibition in response to intravaginal electrical stimulation [letter] Murray KH. **J Urol** 1984 Feb;131(2):356
Urethral response during bladder contraction induced by subcutaneous bethanechol chloride: elicitation of a sympathetic reflex urethral constriction. Sogbein SK, et al. **J Urol** 1984 Apr;131(4):791–5
Motilin acts within the CNS to inhibit urinary bladder contractions. Porreca F, et al. **Life Sci** 1984 Jun 25; 34(26):2577–81
Spinal opioid receptors and inhibition of urinary bladder motility in vivo. Dray A, et al. **Neurosci Lett** 1984 Jun 1;47(1):81–4
Effect of labor on the postpartum bladder. Kerr-Wilson RH, et al. **Obstet Gynecol** 1984 Jul;64(1):115–8
Endorphins and the central inhibition of urinary bladder motility. Dray A, et al. **Peptides (Fayetteville)** 1984 May-Jun;5(3):645–7
Determination of the contractility of children's bladders from isometric contractions. van Mastrigt R. **Urol Int** 1983; 38(6):354–62
Pelvic double-sphincter control complex. Theory of pelvic organ continence with clinical application. Shafik A. **Urology** 1984 Jun;23(6):611–8 (18 ref.)
[Bladder contraction. Physiopathology, therapeutic effects. I. The bladder muscle. Structure. Electrical properties. Intrinsic regulation] Plante P. **J Urol (Paris)** 1983; 89(5):287–94 (Eng. Abstr.) **(Fre)**
[Bladder contraction. II. Biomechanical analysis of bladder contraction] Plante P. **J Urol (Paris)** 1983;89(7):461–82 **(Fre)**
[Urodynamics. II: Cystometry - methods, parameters and clinical evaluation] Festge OA, et al. **Z Urol Nephrol** 1983 Sep;76(9):615–20 **(Ger)**
[Denervation supersensitivity of the detrusor muscle due to prolonged bladder overdistension] Yokoyama O, et al. **Hinyokika Kiyo** 1984 Jan;30(1):1–7 (Eng. Abstr.) **(Jpn)**
[A study of the vesical electromyogram using carbon fiber electrodes. The correlation between the vesical electromyogram and cystometrogram] Takaiwa M, et al. **Nippon Hinyokika Gakkai Zasshi** 1984 Mar;75(3):496–502 (Eng. Abstr.) **(Jpn)**
[Changes of the urethral closing pressure induced by cough and hold maneuver] Yoneyama T.

Nippon Hinyokika Gakkai Zasshi 1983 Apr;74(4):503–13 (Eng. Abstr.) (Jpn)

PHYSIOPATHOLOGY

Simultaneous urethrocystometry in gynaecological patients with lower urinary tract dysfunction. Reiertsen O, et al. Ann Chir Gynaecol 1983;72(5):278–81

Pelvic evoked responses. Ewing R, et al. Br J Urol 1983 Dec;55(6):639–41

Bladder instability. Is the primary defect in the urethra? Hindmarsh JR, et al. Br J Urol 1983 Dec;55(6):648–51

Dorsal column stimulation in multiple sclerosis: effects on bladder and long term findings. Hawkes CH, et al. Br Med J [Clin Res] 1983 Sep 17;287(6395):793–5

Clinical evaluation of urinary incontinence and abnormal anatomy and pathophysiology. Marchant DJ. Clin Obstet Gynecol 1984 Jun;27(2):434–44 (19 ref.)

Rat bladder in the early stages of streptozotocin–induced diabetes: adrenergic and cholinergic innervation. Lincoln J, et al. Diabetologia 1984 Jan;26(1):81–7

The effect of short–term obstruction on urinary bladder function in the rabbit. Levin RM, et al. J Urol 1984 Oct; 132(4):789–91

Meningomyelocele: a clinical, urodynamic and neurophysiological evaluation. Light JK, et al. J Urol 1984 Apr;131(4):717–21

Urodynamic findings and long–term outcome management of patients with multiple sclerosis–induced lower urinary tract dysfunction. McGuire EJ, et al. J Urol 1984 Oct; 132(4):713–5

Rapid cystometry and sacral–evoked response in the diagnosis of peripheral bladder and sphincter denervation. Susset JG, et al. J Urol 1984 Oct;132(4):704–7

Urodynamic abnormalities in neurologically normal children with micturition dysfunction. Webster GD, et al. J Urol 1984 Jul;132(1):74–7

Vesicourethral dysfunction following pelvic visceral ablative surgery. Yalla SV, et al. J Urol 1984 Sep;132(3):503–9

Predictive value of urodynamic evaluation in newborns with myelodysplasia. Bauer SB, et al. JAMA 1984 Aug 3; 252(5):650–2

Leg oedema due to bladder overdistention [letter] Briggs RS. Med J Aust 1983 Nov 26;2(11):541

Percutaneous introduction of suprapubic double lumen catheter into bladder for urodynamic examination. Nishizawa O, et al. Tohoku J Exp Med 1983 Nov; 141(3):371–2

Lower urinary tract dysfunction in vesicoureteral reflux. Nielsen JB, et al. Urol Int 1984;39(1):29–31

Voiding dysfunctions. Thon W, et al. Urology 1984 Apr; 23(4):323–30 (91 ref.)

[Cystometry and female incontinence] Grasset D, et al. Acta Urol Belg 1984 Apr;52(2):171–3 (Eng. Abstr.) (Fre)

[Simultaneous urethrocystometry and urethral instability in female incontinence] Penders L. Acta Urol Belg 1984 Apr; 52(2):200–6 (Eng. Abstr.) (Fre)

[Bladder accommodation disorders in children with posterior urethral valves] Rivain T, et al. J Urol (Paris) 1983; 89(8):581–6 (Eng. Abstr.) (Fre)

[Posturination bladder residue in the diabetic patient (letter)] Bonhomme C. Presse Med 1983 Nov 19;12(42):2701 (Fre)

[The problem patient—the 'irritable bladder'] Laible V, et al. MMW 1984 Jan 13;126(2):33–4 (Ger)

[Changes induced in the bladder by laparohysterectomy] Spreafico L, et al. Minerva Ginecol 1984 Jun;36(6):363–6 (Eng. Abstr.) (Ita)

[Problems of the preservation treatment of vesical function of bladder cancer] Matsumoto K. Gan No Rinsho 1984 May;30(6 Suppl):680–7 (Eng. Abstr.) (Jpn)

[Renogram and cystogram using 131I–orthoiodohippurate (131I–OIH) and estimation of the effective renal plasma flow volume (ERPF)] Maeda M, et al. Kaku Igaku 1983 May;20(4):391–8 (Eng. Abstr.) (Jpn)

[Postoperative evaluation and diagnosis of a case with bladder neck contracture by combined ultrasonotomography and urodynamic monitoring] Nishizawa O, et al. Nippon Hinyokika Gakkai Zasshi 1983 Oct;74(10):1765–71 (Eng. Abstr.) (Jpn)

[Detection of bladder neck incompetence in women with urinary incontinence] Ostrem T, et al. Tidsskr Nor Laegeforen 1984 May 30;104(15):1046–7 (Eng. Abstr.) (Nor)

[Neuromuscular dysfunction of the lower urinary tract in women] Stanek J. Ginekol Pol 1984 Jan;55(1):39–46 (Eng. Abstr.) (Pol)

[Urodynamic evaluation of neurogenic bladder II. Value of sphincter electromyography in combination with cystomanometry register] Gallego Gómez J, et al. Arch Esp Urol 1984 May–Jun;37(3):225–36 (Eng. Abstr.) (Spa)

RADIATION EFFECTS

The subcellular basis of damage to the human urinary bladder induced by irradiation. Antonakopoulos GN, et al. J Pathol 1984 Jun;143(2):103–16

[Longitudinal dose distribution in the urinary bladder and rectum in intracavitary treatment of cervical cancer with radium] Tačev T, et al. Cesk Radiol 1984 Mar;38(2):90–7 (Eng. Abstr.) (Cze)

[Dosage evaluation of Ralstron therapy of cervical cancer with the rectal and bladder dosimetry] Inoue T, et al. Rinsho Hoshasen 1980 Dec;25(13):1405–9 (Eng. Abstr.) (Jpn)

[Prognosis in radiation injuries of the bladder and rectum in patients with cancer of the cervix uteri] Zharinov GM, et al. Med Radiol (Mosk) 1984 Jan;29(1):54–7 (Eng. Abstr.) (Rus)

RADIOGRAPHY

Micturition cystourethrography using X–ray or scintigraphy in children with reflux. Brendstrup L, et al. Acta Paediatr Scand 1983 Jul;72(4):559–62

Radiologic method to assess urinary bladder capacity and proportions in children. Engström CF, et al. Acta Radiol [Diagn] (Stockh) 1984;25(1):33–7

Influence of diuresis on the degree of vesicoureteral reflux. An experimental investigation in rats. Hannerz L, et al. Acta Radiol [Diagn] (Stockh) 1983;24(5):395–9

Bladder capacity, urethral sensation and lumbosacral anomalies in children with enuresis. Ringertz H. Acta Radiol [Diagn] (Stockh) 1984;25(1):45–8

Cystographic contrast media: clinical and experimental studies. McAlister WH, et al. AJR 1983 Nov; 141(5):997–1001

Maximum–distention retrograde urethrocystography in healthy male dogs: occurrence and radiographic appearance of urethroprostatic reflux. Feeney DA, et al. Am J Vet Res 1984 May;45(5):948–52

Maximum–distention retrograde urethrocystography in healthy male dogs: occurrence of vesicoureteral reflux. Feeney DA, et al. Am J Vet Res 1984 May;45(5):953–4

Excretory urography and cystourethrography in the evaluation of children with urinary tract infection. Drachman R, et al. Clin Pediatr (Phila) 1984 May; 23(5):265–7

CT demonstration of urinary bladder displacement causing medial deviation of the distal ureter. Apter S, et al. J Comput Assist Tomogr 1984 Apr;8(2):294–5

CT imaging of the unusually shaped bladder. Thickman D, et al. J Comput Assist Tomogr 1984 Aug;8(4):801–3

The VCU–pot: a new device for voiding cystourethrography. Araki T, et al. J Urol 1984 Aug;132(2):266–7

Puncture of a nondeflatable Foley balloon using ultrasound guidance. Higgins WL, et al. Radiology 1984 Jun;151(3):801

Dynamic urethrocystography in women. Westby M, et al. Urol Int 1983;38(6):329–36

Knotting of urethral catheter within bladder: an unusual complication in cystourethrography. Gaisie G, et al. Urol Radiol 1983;5(4):271–2

Urodynamic assessment and chain cystogram in women with stress urinary incontinence. Clinical significance of detrusor instability. Kuzmarov IW. Urology 1984 Sep;24(3):236–8

Anal cystography: new technique of cystography. Shafik A. Urology 1984 Mar;23(3):313–6

[Standardization of urography and cystourethrography in children] Abraham J, et al. Cesk Radiol 1984 Feb; 38(1):28–34 (Eng. Abstr.) (Cze)

[The value of the colpocystogram in the diagnosis and therapeutic indications of urinary incontinence in women] Scali P, et al. Acta Urol Belg 1984 Apr;52(2):156–63 (Fre)

[Retrograde infusion urethrocystography in boys] Heinert G, et al. Monatsschr Kinderheilkd 1983 Aug;131(8):516–9 (Eng. Abstr.) (Ger)

[Confirmation of the T classification of bladder tumors by transcutaneous sonography, intra–vesical sonography and computer tomography] Greiner KG, et al. ROFO 1983 Nov;139(5):510–5 (Eng. Abstr.) (Ger)

[Panurography — a new method of combination excretory and micturitional urography] Melchior H, et al. Urologe [Ausg A] 1984 Jan;23(1):55–60 (Eng. Abstr.) (Ger)

[Urinary cystography in children at the first episode of urinary infection. Results on 115 children with various radiologic protocols] Mazzoleni E, et al. Minerva Pediatr 1984 Feb 15;36(3):101–6 (Eng. Abstr.) (Ita)

[A new device for voiding cystourethrography: a VCU pot] Araki T, et al. Hinyokika Kiyo 1983 Dec;29(12):1631–4 (Eng. Abstr.) (Jpn)

[Our experience with urethrocystography in patients with urination disorders after prostatectomy] Atler J, et al. Pol Tyg Lek 1984 Feb 20;39(8):249–52 (Eng. Abstr.) (Pol)

[Retroperitoneal extravasation of a contrast medium during retrograde cystography. Study of a case] Gallego Gómez J, et al. Actas Urol Esp 1984 Mar–Apr;8(2):145–8 (Eng. Abstr.) (Spa)

RADIONUCLIDE IMAGING

Scintigraphic assessment of perivesical urinary extravasation following renal transplantation. Bushnell DL, et al. Clin Nucl Med 1984 Feb;9(2):92–6

Improving the technique of nuclear cystography: the manometric approach. Sfakianakis GN, et al. J Urol 1984 Jun;131(6):1061–4

Urinary tract imaging—filling defect in the urinary bladder. Duong RB, et al. Semin Nucl Med 1983 Oct;13(4):383–5

Urinary tract imaging—urinary bladder deformity. Lin DS. Semin Nucl Med 1983 Oct;13(4):386–7

Radionuclide voiding cystography. Willi U, et al. Urol Radiol 1983;5(3):161–73, 175

SECRETION

Tetrodotoxin–resistant release of ATP from superfused rabbit detrusor muscle during electrical field stimulation in the presence of luciferin–luciferase. Chaudhry A, et al. Can J Physiol Pharmacol 1984 Jan;62(1):153–6

SURGERY

Vesical–urethral sustaining for recurrent urinary stress incontinence using the Stamey–Pereyra technique. Dijkman GA, et al. Acta Urol Belg 1984 Apr;52(2):302–5

Anatomical basis of total prostatocystectomy in man. Benoit G, et al. Anat Clin 1984;5(4):213–9

Urinary reconstruction in renal transplantation [letter] Nghiem DD. Ann Surg 1983 Nov;198(5):670–2

Alternative to urinary diversion. Vesicostomy. Parker CB. AORN J 1984 May;39(6):968–72

A clinical and urodynamic assessment of the Burch colposuspension for genuine stress incontinence. Hilton P, et al. Br J Obstet Gynaecol 1983 Oct;90(10):934–9

A trial comparing the Stamey bladder neck suspension procedure with colposuspension for the treatment of stress incontinence. Mundy AR. Br J Urol 1983 Dec;55(6):687–90

Long–term results of bladder transection for urge incontinence. Mundy AR. Br J Urol 1983 Dec;55(6):642–4

Preliminary results of AS 791/792 artificial sphincter for urinary incontinence. Stephenson TP, et al. Br J Urol 1983 Dec;55(6):684–6

Management of total ureteral loss after kidney transplantation. Toguri AG, et al. Can J Surg 1983 Nov; 26(6):498–9

Clinical aspects of augmentation enterocystoplasties. Lunghi F, et al. Eur Urol 1984;10(3):159–63

Psoas–hitch ureteroneocystostomy: experience with 181 cases. Riedmiller H, et al. Eur Urol 1984;10(3):145–50

Peritoneo–cystic shunt for malignant ascites. Stehman FB, et al. Gynecol Oncol 1984 Jul;18(3):402–7

Role of outflow surgery in the rehabilitation of male paraplegic patients. Silver JR. Int Rehabil Med 1983; 5(3):143–8

Ureterocystoneostomy in urinary tuberculosis: a personal technique. Fagioli A, et al. Ital J Surg Sci 1984;14(1):65–9

Cystotomy for treatment of urolithiasis in a hamster. Bauck LA, et al. J Am Vet Med Assoc 1984 Jan 1;184(1):99–100

Inhibitory effect of partial cystectomy on experimental carcinogenesis in the urinary bladder. Kunze E, et al. J Cancer Res Clin Oncol 1983;106(2):123–9

Granulomata in bladder and prostate after previous operations [letter] Ansell I. J Clin Pathol 1984 Jan;37(1):104

CT evaluation of the pelvic cavity after cystectomy: observation in 40 cases. Oliva L, et al. J Comput Assist Tomogr 1984 Aug;8(4):734–8

Experience with the artificial urinary sphincter in children and young adults. Mitchell ME, et al. J Pediatr Surg 1983 Dec;18(6):700–6

Indications for urethrectomy in men undergoing single stage radical cystectomy for bladder cancer. Ahlering TE, et al. J Urol 1984 Apr;131(4):657–9

Long–term followup of the artificial urinary sphincter. Diokno AC, et al. J Urol 1984 Jun;131(6):1084–6

Use of nerve stimulator for simple and accurate obturator nerve block before transurethral resection. Gasparich JP, et al. J Urol 1984 Aug;132(2):291–3

Squamous cell carcinoma presenting 10 years after cystectomy for leukoplakia. Goldwasser B, et al. J Urol 1984 May;131(5):964–5

Closure of the bladder neck in spinal cord injury patients with urethral sphincteric incompetence and irreparable urethral pathological conditions. Hulecki SJ, et al. J Urol 1984 Jun;131(6):1119–21

Pre–cystectomy intra–arterial cis–diamminedichloroplatinum II with local bladder hyperthermia for bladder cancer. Jacobs SC, et al. J Urol 1984 Mar;131(3):473–6

Total reconstruction of the lower urinary tract using bowel and the artificial urinary sphincter. Light JK, et al. J Urol 1984 May;131(5):953–6

Radical cystectomy without radiation therapy for carcinoma of the bladder. Montie JE, et al. J Urol 1984 Mar; 131(3):477–82

Conservative treatment of lower ureteral tumor: modified ureteroneocystostomy for upper urinary tract endoscopic control. Pagano F. J Urol 1984 Sep;132(3):555–7

Contemporary cystectomy with pelvic node dissection compared to preoperative radiation therapy plus cystectomy in management of invasive bladder cancer. Skinner DG, et al. J Urol 1984 Jun;131(6):1069–72

Radical cystectomy in the elderly patient. Skinner EC, et al. J Urol 1984 Jun;131(6):1065–8

Predeposit autologous blood transfusions in patients undergoing irradiation and radical cystectomy. Swanson DA, et al. J Urol 1983 Nov;130(5):892–4

Interception of lymphatic drainage by Nd:YAG laser irradiation in rat urinary bladder. Zimmermann I, et al. Lasers Surg Med 1984;4(2):167–72

The bladder flap for urethral reconstruction in total phalloplasty. Edgerton MT, et al. Plast Reconstr Surg 1984 Aug;74(2):259–66

Salvage cystectomy in the treatment of invasive bladder cancer. Blandy JP, et al. Prog Clin Biol Res 1984; 153:359–63

Radical cystectomy without preoperative radiotherapy for invasive bladder carcinoma—a justified approach? Hohenfellner R, et al. **Prog Clin Biol Res** 1984;153:313–42

Preoperative irradiation with cystectomy for bladder cancer. Whitmore WF Jr. **Prog Clin Biol Res** 1984;153:343–57

Exstrophy of the bladder progress of management during the last 25 years. Rickham PP, et al. **Prog Pediatr Surg** 1984;17:169–88

Partial cystectomy for transitional cell carcinoma of the bladder. Lindahl F, et al. **Scand J Urol Nephrol** 1984; 18(2):125–9

Salvage cystectomy. Johnson DE. **Semin Urol** 1983 Feb; 1(1):53–9

Technique of radical cystectomy. Montie JE. **Semin Urol** 1983 Feb;1(1):42–52

Surgery and intravesical chemotherapy in the management of superficial bladder cancer. Soloway MS. **Semin Urol** 1983 Feb;1(1):23–33

Management of invasive bladder neoplasms. Whitmore WF Jr. **Semin Urol** 1983 Feb;1(1):34–41

Comparison of recurrence rates of calculi of the bladder in patients with indwelling catheters following vesicolithotomy, litholapaxy and electrohydraulic lithotripsy. Short KL, et al. **Surg Gynecol Obstet** 1984 Sep; 159(3):247–8

Clinical and experimental experience with pancreaticocystostomy for exocrine pancreatic drainage in pancreas transplantation. Sollinger HW, et al. **Transplant Proc** 1984 Jun;16(3):749–51

Use of Foley catheter in suprapubic punch cystostomy: an adaptation. Awojobi OA. **Trop Doct** 1983 Oct;13(4):189

Suprapubic punch cystostomy [letter] Thornton JG. **Trop Doct** 1984 Jan;14(1):46

Needle bladder neck suspension for female stress incontinence. Boyd SD, et al. **Urol Clin North Am** 1984 May;11(2):357–66

Augmentation ileocystoplasty: an experimental study in dogs. Lamesch A, et al. **Urol Res** 1983;11(3):145–50

Radiation therapy and cystectomy. Prout GR Jr. **Urology** 1984 Apr;23(4 Suppl):104–9

Cystectomy in perspective. Radwin HM. **Urology** 1984 Apr; 23(4 Suppl):101–3

Endoscopic suspension of vesical neck for urinary incontinence. Schaeffer AJ, et al. **Urology** 1984 May; 23(5):484–94

Current status of adjuvant chemotherapy after radical cystectomy for deeply invasive bladder cancer. Skinner DG, et al. **Urology** 1984 Jul;24(1):46–52

Use of continuous flow resectoscope in lesions of bladder dome and lateral wall. Wosnitzer M. **Urology** 1983 Oct; 22(4):413

A follow-up study of the Marshall-Marchetti-Krantz vesicourethral operation for female incontinence. Kjer JJ, et al. **Zentralbl Gynakol** 1983;105(22):1468–71

[A case of a spontaneously formed reservoir of urine at the site of the removal of the bladder] Tachev S, et al. **Khirurgiia (Sofiia)** 1984;37(3):231–3 **(Bul)**

[Experiences in postoperative management of bladder reconstruction] Li JC. **Chung Hua Wai Ko Tsa Chih** 1984 Feb;22(2):107–9 (Eng. Abstr.) **(Chi)**

[Urinary incontinence treated with colposuspension by the Burch method. A study with special reference to the effect on mixed stress and urge incontinence] Lose G, et al. **Ugeskr Laeger** 1983 Oct 31;145(44):3395–8 (Eng. Abstr.) **(Dan)**

[Aponeurotic suspension of the bladder neck in the surgical treatment of urinary stress incontinence in women. Advantages and preliminary results] Ballanger P, et al. **Acta Urol Belg** 1984 Apr;52(2):316–21 (Eng. Abstr.) **(Fre)**

[Musculo-aponeurotic suspension of the bladder neck in the treatment of urinary stress incontinence] Mazeman E. **Acta Urol Belg** 1984 Apr;52(2):311–5 (Eng. Abstr.) **(Fre)**

[Mortality and morbidity after total cystectomy for cancer] Charbit L, et al. **J Urol (Paris)** 1984;90(1):39–46 (Eng. Abstr.) **(Fre)**

[Hemostasis of the preprostatic veins in total cystoprostatectomy. Anatomical bases] Benoit G, et al. **Presse Med** 1984 May 26;13(22):1385–7 (Eng. Abstr.) **(Fre)**

[Urethrovesical suspension with autologous fascia tissue by the purely vaginal approach—the short-arm sling operation] Lahodny J. **Geburtshilfe Frauenheilkd** 1984 Feb; 44(2):104–13 (Eng. Abstr.) **(Ger)**

[Lasix-induced forced diuresis following transuretral resection] Ulshöfer B, et al. **Helv Chir Acta** 1983 Jun; 50(3):257–61 (Eng. Abstr.) **(Ger)**

[Retrograde catheterization of the ureter and pyelography using bladder puncture with a special trocar following Cohen's procedure for anti-reflux surgery] Lamesch A. **Z Kinderchir** 1983 Aug;38(4):272–3 (Eng. Abstr.) **(Ger)**

[Problems of fever after surgery of the bladder neck. How to classify the causal efficiency of reflux mechanisms] Zepnick H, et al. **Z Urol Nephrol** 1983 Aug;76(8):519–25 (Eng. Abstr.) **(Ger)**

[Permanent bladder neck resection using the Reuter trocar] Kolozsy Z, et al. **Orv Hetil** 1983 Oct 23;124(43):2617–20 (Eng. Abstr.) **(Hun)**

[Further considerations on colpo-suspension by Burch's method in the correction of stress urinary incontinence] Stoppelli I, et al. **Minerva Ginecol** 1983 Jun;35(6):417–21 (Eng. Abstr.) **(Ita)**

[Continuous peridural analgesia with bupivacaine and morphine in urologic interventions of the pelvic cavity] Marten Perolino R, et al. **Minerva Urol** 1983 Oct–Dec; 35(4):263–5 (Eng. Abstr.) **(Ita)**

[Total cystectomy for bladder tumor: eight-year experience] Arai Y, et al. **Hinyokika Kiyo** 1983 Nov;29(11):1443–9 (Eng. Abstr.) **(Jpn)**

[Postoperative complications and followup in cystectomy] Yazaki T, et al. **Hinyokika Kiyo** 1983 Mar;29(3):311–8 (Eng. Abstr.) **(Jpn)**

[Urethral occurrence of bladder cancer following cystectomy] Akaza H, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Aug;74(8):1436–9 **(Jpn)**

[Methods of transurethral bladder neck resection. 2. Clinical studies: comparison of voiding improvement in following a procedure preserving the proximal urethra at 3 to 9 o'clock and total resection] Hama T, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Jun;74(6):956–60 (Eng. Abstr.) **(Jpn)**

[Clinical study on transitional cell carcinoma of the bladder] Honma Y, et al. **Nippon Hinyokika Gakkai Zasshi** 1984 Feb;75(2):222–8 (Eng. Abstr.) **(Jpn)**

[Clinical management of carcinoma in situ of the bladder. I. Cases of total cystectomy] Itatani H, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Aug;74(8):1405–11 (Eng. Abstr.) **(Jpn)**

[A clinicopathological study on urinary bladder cancer. Relation of pathological characteristics to prognosis after total cystectomy] Kuroda M. **Nippon Hinyokika Gakkai Zasshi** 1984 Mar;75(3):379–90 (Eng. Abstr.) **(Jpn)**

[Combination therapy of transurethral resection (TUR) and radiotherapy in advanced bladder cancer] Tashiro K. **Nippon Hinyokika Gakkai Zasshi** 1983 Dec;74(12):2043–53 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of total cystectomy on patients with bladder cancer] Uekado Y, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Sep;74(9):1509–17 (Eng. Abstr.) **(Jpn)**

[Management of micturitional disturbance in the patients with Shy-Drager syndrome. Part 2: Results of self catheterisation, uropharmacotherapy and transurethral resection of bladder neck] Yasuda K, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Oct;74(10):1844–50 (Eng. Abstr.) **(Jpn)**

[Surgical treatment of total urinary incontinence by the Leadbetter method] Borówka A, et al. **Pol Tyg Lek** 1984 Feb 20;39(8):245–8 (Eng. Abstr.) **(Pol)**

[Treatment of rhabdomyosarcoma of the bladder without radical surgery] García-Vallés MC, et al. **An Esp Pediatr** 1983 Dec;19(6):501–6 (Eng. Abstr.) **(Spa)**

[Foreign bodies in the bladder: a case of a 29.8-meter-long fishing line] Roa Luzuriaga M, et al. **Arch Esp Urol** 1983 Mar–Apr;36(2):76–82 (Eng. Abstr.) **(Spa)**

TRANSPLANTATION

[Reconstruction of the urethra in women using a bladder flap] Ackermann D, et al. **Urologe [Ausg A]** 1984 Jan; 23(1):46–9 (Eng. Abstr.) **(Ger)**

ULTRASTRUCTURE

Benign squamous cells with pleomorphic microvilli in urine or bladder washings. Suzuki T, et al. **Acta Cytol (Baltimore)** 1983 Sep–Oct;27(5):497–9

Aggregate-carrying membranes during ADH stimulation and washout in toad bladder. Muller J, et al. **Am J Physiol** 1984 Jul;247(1 Pt 1):C90–8

Effects of cellular acidification on ADH-induced intramembrane particle aggregates. Parisi M, et al. **Am J Physiol** 1984 Jan;246(1 Pt 1):C157–9

Electron-microscopic study of the apical region of the toad bladder epithelial cell. Sasaki J, et al. **Am J Physiol** 1984 Sep;247(3 Pt 1):C268–81

A spin label study of the urinary bladder luminal membrane. Vergara JA, et al. **Biochim Biophys Acta** 1983 Sep 21; 734(1):18–24

Effects of colchicine and cytochalasin B on hypertonicity-induced changes in toad urinary bladder. Dratwa M, et al. **Cell Tissue Res** 1984;236(3):585–91

Beta adrenoreceptors in the rabbit bladder detrusor muscle. Anderson GF, et al. **J Pharmacol Exp Ther** 1984 Feb; 228(2):283–6

Scanning electron microscopy of polypoid cystitis—a reversible lesion of the human bladder. Anderström C, et al. **J Urol** 1984 Feb;131(2):242–4

Crystal retention by injured urothelium of the rat urinary bladder. Khan SR, et al. **J Urol** 1984 Jul;132(1):153–7

Molecular structure determination of crystalline specimens in frozen aqueous solutions. Milligan RA, et al. **Ultramicroscopy** 1984;13(1–2):1–9

Three-dimensional structure of bladder membrane protein. Wade RH, et al. **Ultramicroscopy** 1984;13(1–2):47–56

Effect of hyperthermic vesical irrigation with bleomycin on the ultrastructure of the well-differentiated tumour and non-tumorous mucosa of the human urinary bladder. Moriyama N, et al. **Urol Res** 1983;11(3):131–7

[Malacoplakia. Contribution of electron microscopy. Apropos of a case with vesicoureteral localization] Bellocq JP, et al. **Arch Anat Cytol Pathol** 1984;32(1):30–6 (Eng. Abstr.) **(Fre)**

[Histologic and autoradiographic studies on the significance and terminology of von Brunn's nests in biopsies of the bladder mucosa] Blume B, et al. **Zentralbl Allg Pathol** 1984; 129(2):119–25 (Eng. Abstr.) **(Ger)**

[Comparative analysis of the structure of the vacuolar system of the bladder granular cells in the frog and of the contractile vacuole complex of protozoans] Snigirevskaia ES. **Tsitologiia** 1983 Aug;25(8):889–95 (26 ref.) (Eng. Abstr.) **(Rus)**

BLADDER CALCULI

Bladder stone disease in children: clinical studies. Naqvi SA, et al. **JPMA** 1984 Apr;34(4):94–101

CHEMICALLY INDUCED

Chronic ingestion of natural fluoride and endemic bladder stone disease. Teotia M, et al. **Indian Pediatr** 1983 Sep; 20(9):637–42

DRUG THERAPY

Effects of selected therapeutic agents on urolithiasis induced by terephthalic acid in the male weanling Fischer 344 rat. Wolkowski-Tyl R, et al. **Fundam Appl Toxicol** 1983 Nov–Dec;3(6):552–8

[Prevention of infected urinary stones by urease inhibitor. IV. Treatment of infection stones in rats by a new hydroxamic acid and cefalexin] Takeuchi H, et al. **Hinyokika Kiyo** 1983 Mar;29(3):297–302 (Eng. Abstr.) **(Jpn)**

[Treatment of infection stones. I. Dissolution of experimental infection stones in rats] Takeuchi H, et al. **Hinyokika Kiyo** 1983 Mar;29(3):293–6 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Relationship of hypercalciuria to diet and bladder stone formation in spinal cord injury patients. Lamid S, et al. **Am J Phys Med** 1984 Aug;63(4):182–7

Experimental production of bladder calculi in rats by ureaplasma injection. Clerc M, et al. **Ann Microbiol (Paris)** 1984 Jan–Feb;135A(1):135–40

Role of infection in bladder stone disease in children. Anwar Naqvi SA, et al. **JPMA** 1984 May;34(5):132–7

Comparison of recurrence rates of calculi of the bladder in patients with indwelling catheters following vesicolithotomy, litholapaxy and electrohydraulic lithotripsy. Short KL, et al. **Surg Gynecol Obstet** 1984 Sep; 159(3):247–8

HISTORY

Shusruta of India: pioneer in vesicolithotomy. Das S. **Urology** 1984 Mar;23(3):317–9

METABOLISM

Mineral composition of 103 stones from Iran. Miñón Cifuentes J, et al. **Br J Urol** 1983 Oct;55(5):465–8

MICROBIOLOGY

Proteus penneri and urinary calculi formation. Krajden S, et al. **J Clin Microbiol** 1984 Apr;19(4):541–2

SURGERY

Malignant change in heterotopic bone formation following suprapubic cystolithotomy. Kandemir B, et al. **J Urol** 1984 Sep;132(3):558–9

[Use of chlorhexidine to control hospital infections following bladder surgery] Ashkov S, et al. **Khirurgiia (Sofiia)** 1983; 36(4):352–4 **(Bul)**

[Case of candidal sepsis during treatment of bacterial postoperative urosepsis with broad-spectrum antibiotics and glucocorticoid hormones] Ashkov S, et al. **Khirurgiia (Sofiia)** 1983;36(4):373–5 **(Bul)**

THERAPY

[Application of microexplosion to medicine and biology. 7. Extents of bladder injuries caused by microexplosion] Watanabe K. **Nippon Hinyokika Gakkai Zasshi** 1983 Mar; 74(3):299–310 (Eng. Abstr.) **(Jpn)**

[Endoscopic lithotripsy by laser radiation using an optic quantum generator] Simonov VIa, et al. **Urol Nefrol (Mosk)** 1984 May–Jun;(3):15–21 (Eng. Abstr.) **(Rus)**

URINE

Analysis of urinary calculi by chemical methods. Naqvi SA, et al. **JPMA** 1984 Jun;34(6):147–53

VETERINARY

Evaluation of a calculolytic diet in female dogs with induced struvite urolithiasis. Abdullahi SU, et al. **Am J Vet Res** 1984 Aug;45(8):1508–19

An outbreak of struvite urinary calculi in rats subjected to radionuclide angiography. McIntosh GH. **Aust Vet J** 1983 Aug;60(8):253–4

Urolithiasis in the horse – a review of 13 cases. Holt PE, et al. **Equine Vet J** 1984 Jan;16(1):31–4

Cystotomy for treatment of urolithiasis in a hamster. Bauck LA, et al. **J Am Vet Med Assoc** 1984 Jan 1;184(1):99–100

Unusually articulated vesical calculi: a 'prehistoric articulation'? Odendaal JS. **J S Afr Vet Assoc** 1983 Sep; 54(3):213 **(Eng, Afr)**

[Endoscopic diagnosis of bladder calculi in the male horse] Grabner A, et al. **Berl Munch Tierarztl Wochenschr** 1983 Dec 1;96(12):460–3 (Eng. Abstr.) **(Ger)**

BLADDER DISEASES

CHEMICALLY INDUCED

Controlled genetic variation in a subchronic toxicity assay: susceptibility to induction of bladder hyperplasia in mice by 2-acetylaminofluorene. Wolff GL, et al. **J Toxicol Environ Health** 1983 Aug–Sep;12(2–3):255–65

COMPLICATIONS

Hydramnios caused by pure megacystis. Hurwitz A, et al. **JCU** 1984 Feb;12(2):110–1

[Vesical instability and reflux: frequent pathogenic association] Aubert D. **Chir Pediatr** 1984;25(2):114–6 (Eng. Abstr.) **(Fre)**

[Bladder bilharzioma and carcinoma in a bilharzial bladder] Pieron R, et al. **Sem Hop Paris** 1983 Oct 6;59(35):2479–82 (Eng. Abstr.) **(Fre)**

[A case of giant vesical diverticula causing defecation disturbance] Kawamura S, et al. **Hinyokika Kiyo** 1983 Sep; 29(9):1091–5 (Eng. Abstr.) **(Jpn)**

[A case of carcinoma of the bladder diverticulum] Okamura T, et al. **Hinyokika Kiyo** 1983 Jan;29(1):67–72 (Eng. Abstr.) **(Jpn)**

CONGENITAL

Megacystis, microcolon, intestinal hypoperistalsis syndrome: possible pathogenesis. Kirtane J, et al. **J Pediatr Surg** 1984 Apr;19(2):206–8

[Congenital vesical diverticulosis in childhood] Virseda JA, et al. **Arch Esp Urol** 1983 Nov–Dec;36(6):419–26 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Diagnosis of urinary bladder disorders in diabetic children. Gort E, et al. **Acta Diabetol Lat** 1984 Apr–Jun;21(2):153–60

Site of urinary tract infection in elderly women admitted to an acute geriatric assessment unit. Suntharalingam M, et al. **Age Ageing** 1983 Nov;12(4):317–22

Massive haemorrhage following biopsy of amyloidosis of the bladder. Dixon PJ, et al. **Br J Surg** 1984 Aug;71(8):650

Comparison of single and multichannel cystometry in diagnosing bladder instability. Sutherst JR, et al. **Br Med J [Clin Res]** 1984 Jun 9;288(6432):1720–2

Cystourethroscopy in children. Kramer SA. **Endoscopy** 1984 Mar;16(2):64–6

Dilated urinary bladders simulating abdominal masses: diagnosis with ultrasound. Edell SL, et al. **J Am Osteopath Assoc** 1983 Sep;83(1):21–3

Sonography of vesical and perivesical abnormalities in children. Friedman AP, et al. **J Ultrasound Med** 1983 Sep; 2(9):385–90

Plasma cell granuloma of the bladder: a case report. Jufe R, et al. **J Urol** 1984 Jun;131(6):1175–6

Imaging methods for evaluating the adult bladder and urethra: an overview. Thornbury JR, et al. **Semin Roentgenol** 1983 Oct;18(4):250–4 (30 ref.)

Pitfalls related to the urinary bladder in pelvic sonography: a review. Vick CW, et al. **Urol Radiol** 1983;5(4):253–9

[Digestive system and bladder manifestations in diabetic autonomic neuropathy] Manolov D. **Vutr Boles** 1984; 23(2):38–43 (45 ref.) (Eng. Abstr.) **(Bul)**

[Vesico-sphincteric dysfunction in children. Apropos of 85 cases, neurologic contexts excluded] Aubert D. **Chir Pediatr** 1983;24(3):175–81 (Eng. Abstr.) **(Fre)**

[Cystitis and cystalgia in women] de Leval J. **Rev Med Liege** 1984 Jan 15;39(2):52–7 **(Fre)**

[Significance of sound beam thickness in real time sonography. In vitro and in vivo observations] Bönhof JA, et al. **Computertomographie** 1983 Mar;3(1):38–41 (Eng. Abstr.) **(Ger)**

[Bow artefact in B-image sonography] Bönhof JA, et al. **Computertomographie** 1983 Sep;3(3):133–7 (Eng. Abstr.) **(Ger)**

[Sonography of the uretero-vesical junction and the urinary bladder in children] Ponhold W, et al. **Digitale Bilddiagn** 1984 Mar;4(1):26–31 (Eng. Abstr.) **(Ger)**

[Differential indications for sonography, 7. Ultrasound study: the lower abdomen and testis] Cabell R. **MMW** 1983 Sep 30;125(39):112–3 **(Ger)**

[Sonography of the efferent urinary tract. Suprapubic and intravesical methods] Frentzel-Beyme B, et al. **ROFO** 1984 Jan;140(1):54–60 (Eng. Abstr.) **(Ger)**

[The pathologic urinary bladder in the sonographic image] Jaeger N, et al. **Ultraschall Med** 1983 Jun;4(2):98–105 (Eng. Abstr.) **(Ger)**

[Transrectal ultrasound tomography with an electronic line scanner] Schüller J, et al. **Ultraschall Med** 1983 Mar; 4(1):7–12 (Eng. Abstr.) **(Ger)**

[Expanding cystoscopic diagnosis by intravesical sonography] Walther V, et al. **Ultraschall Med** 1983 Mar; 4(1):2–6 **(Ger)**

[Spontaneous rupture of the bladder with urine peritonitis] El-Hay Z. **Harefuah** 1983 Dec 1;105(11):366–8 (Eng. Abstr.) **(Heb)**

[Ultrasonic diagnosis of diseases of the urinary bladder and prostate gland] Pytel' IuA, et al. **Sov Med** 1983;(9):24–9 (Eng. Abstr.) **(Rus)**

[Malacoplakia of the bladder] Drobner VL, et al. **Urol Nefrol (Mosk)** 1983 Sep–Oct;(5):62–3 **(Rus)**

[Mistakes in the diagnosis and treatment of perforation of simple ulcer of the bladder] Leshchenko AP, et al. **Vestn Khir** 1984 Jan;132(1):139–40 **(Rus)**

[Primary amyloidosis localized in the bladder] Romero Maroto J, et al. **Arch Esp Urol** 1983 Jul–Aug;36(4):250–3 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Treatment of bilharzial obstructive uropathy with praziquantel [letter] Farid L, et al. **J Infect Dis** 1984 Aug; 150(2):307–8

Malacoplakia of the bladder: a case report of resolution with bethanechol, trimethoprim-sulfamethoxazole and ascorbic acid. Stanton MJ, et al. **J Urol** 1983 Dec;130(6):1174–5

Use of miconazole as bladder irrigant [letter] Wise GJ. **Urology** 1984 Aug;24(2):214

[Effect of trimebutine in vesical instability (letter)] Savatovsky I, et al. **Presse Med** 1984 Jun 16;13(25):1575 **(Fre)**

[Treatment of ulcus simplex of the bladder and ulcerating radiogenic cystitis with superoxide dismutase] Reuss K, et al. **Urologe [Ausg A]** 1983 Sep;22(5):290–3 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Another explanation for urinary tract problems in schizophrenic patients [letter] Yoder V. **Am J Psychiatry** 1984 Apr;141(4):617–8

Urological complications following abdominoperineal excision of the rectum for carcinoma. Watters GR, et al. **Aust NZ J Surg** 1983 Oct;53(5):445–7

Bladder calcification related to end-stage renal failure. Pulvertaft R, et al. **Br J Radiol** 1984 Apr;57(676):335–6

Distinction by concanavalin A agglutination between ulceration and repair of rat bladder epithelium induced by freezing or cyclophosphamide and the effect of sodium saccharin. Suzuki T, et al. **Cancer Res** 1984 Jan;44(1):74–7

Posttraumatic hernia of the bladder. Ponka JL, et al. **Henry Ford Hosp Med J** 1983;31(3):173–6

Hydrocolpos as a cause of urinary ascites. Narasimharao KL, et al. **Indian Pediatr** 1983 Apr;20(4):300–2

Granulomata in bladder and prostate after previous operations [letter] Ansell I. **J Clin Pathol** 1984 Jan;37(1):104

Erosion of inflatable penile prosthesis reservoir into bladder and bowel. Leach GE, et al. **J Urol** 1984 Jun;131(6):1177–8

Genitourinary malacoplakia in renal transplant recipients: pathogenic, prognostic and therapeutic considerations. Streem SB. **J Urol** 1984 Jul;132(1):10–2

Spontaneous rupture of the bladder. A case report. El Hay Z, et al. **S Afr Med J** 1983 Nov 12;64(21):835–6

[A case of ovarian dermoid cyst with bladder perforation] Kondo N, et al. **Hinyokika Kiyo** 1983 Aug;29(8):893–9 (Eng. Abstr.) **(Jpn)**

[2 cases of contracted bladder and hydro-ureteronephrosis with generalized autoimmune phenomena] Isaka S, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 May;74(5):847–52 (Eng. Abstr.) **(Jpn)**

FAMILIAL & GENETIC

Hereditary autosomal dominant form of bladder diverticula in male patients. Hofmann R, et al. **J Urol** 1984 Feb; 131(2):338–9

Familial visceral myopathy. Stafford SJ, et al. **J Urol** 1984 May;131(5):978–80

PARASITOLOGY

[Urogenital bilharziasis in Germany] Papadopoulos I, et al. **Dtsch Med Wochenschr** 1984 Jan 27;109(4):136–8 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Cytologic detection of tuberculosis of the urinary bladder [letter] Kapila K, et al. **Acta Cytol (Baltimore)** 1984 Jan–Feb;28(1):90–1

Primary carcinomas of urinary bladder diverticula. Shirai T, et al. **Acta Pathol Jpn** 1984 Mar;34(2):417–24

Scanning electron microscopy of human bladder mucosa in acute and chronic urinary tract infection. Elliott TS, et al. **Br J Urol** 1984 Feb;56(1):38–43

Vasoactive intestinal polypeptide in the normal and unstable bladder. Gu J, et al. **Br J Urol** 1983 Dec;55(6):645–7

Malacoplakia of the kidney and urinary bladder. Joos H, et al. **Eur Urol** 1983;9(6):372–3

Malakoplakia of urinary bladder. Gupta JC, et al. **J Indian Med Assoc** 1983 Jul 1–16;81(1–2):15–6

Massive scrotal herniation of bladder with torsion of trigone. Markewitz M, et al. **Urology** 1983 Oct;22(4):441–3

Complete eversion and prolapse of bladder. Underhill TR, et al. **Urology** 1983 Dec;22(6):622–3

[Urinary malacoplakia. Apropos of a case followed for 3 years] de Petriconi R, et al. **J Urol (Paris)** 1983;89(5):325–9 (Eng. Abstr.) **(Fre)**

[Bladder diverticula: observations in 16 cases] Lancina Martín A, et al. **Arch Esp Urol** 1983 Sep–Oct;36(5):327–34 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Pelvic evoked responses. Ewing R, et al. **Br J Urol** 1983 Dec;55(6):639–41

Non-obstructive detrusor failure. A urodynamic, electromyographic, neurohistochemical and autonomic study. Kirby RS, et al. **Br J Urol** 1983 Dec;55(6):652–9

Bladder-sphincter dysfunction, urinary infection and vesico-ureteral reflux with special reference to cognitive bladder training. van Gool JD, et al. **Contrib Nephrol** 1984; 39:190–210

Detrusor-external sphincter dyssynergia in men with multiple sclerosis: an ominous urologic condition. Blaivas JG, et al. **J Urol** 1984 Jan;131(1):91–4

[Vesicourethral dysfunction in children and adolescents] Hradec E, et al. **Rozhl Chir** 1984 Apr;63(4):246–56 (Eng. Abstr.) **(Cze)**

[Bladder contraction. II. Biomechanical analysis of bladder contraction] Plante P. **J Urol (Paris)** 1983;89(7):461–82 **(Fre)**

[Functional pathology of the lower urinary tract in children] Locquet P, et al. **LARC Med** 1983 Dec;3(10):697–8, 700–2 (Eng. Abstr.) **(Fre)**

[Urodynamics. IV: Combination uroflowmetry/cystometry] Festge OA, et al. **Z Urol Nephrol** 1984 Jan;77(1):47–53 **(Ger)**

RADIOGRAPHY

'Beehive on the bladder': an indication of colovesical disease. Kaisary AV, et al. **Br J Urol** 1984 Feb;56(1):35–7

CT imaging of the unusually shaped bladder. Thickman D, et al. **J Comput Assist Tomogr** 1984 Aug;8(4):801–3

INterventional radiology of the adult bladder and urethra. Amis ES Jr, et al. **Semin Roentgenol** 1983 Oct;18(4):322–30 (29 ref.)

Abnormalities affecting structure and function of the bladder and urethra. Friedenberg RM. **Semin Roentgenol** 1983 Oct; 18(4):307–21 (24 ref.)

Lower urinary tract infections and calculi in the adult. Imray TJ, et al. **Semin Roentgenol** 1983 Oct;18(4):276–87 (29 ref.)

Case profile: anterior bladder herniation. Bar-Moshe O, et al. **Urology** 1983 Oct;22(4):440

Case profile: bladder herniation and bilateral vesicoureteral reflux. Gaffney CM. **Urology** 1983 Nov;22(5):549–50

[Computer tomography evaluation of tumor-induced bladder wall changes] Bauer WM, et al. **Computertomographie** 1983 Dec;3(4):174–8 (Eng. Abstr.) **(Ger)**

[Roentgenologic picture of a bladder hernia] Scheidt W, et al. **ROFO** 1984 Jan;140(1):108–9 **(Ger)**

RADIONUCLIDE IMAGING

Estimates of dose to the bladder during direct radionuclide cystography: concise communication. Dimitriou P, et al. **J Nucl Med** 1984 Jul;25(7):792–5

SURGERY

A vaginal approach to the treatment of genital prolapse. Koppe A, et al. **Eur J Obstet Gynecol Reprod Biol** 1984 Jan;16(5):359–64

Clinical aspects of augmentation enterocystoplasties. Lunghi F, et al. **Eur Urol** 1984;10(3):159–63

Physiopathology and surgical treatment of extravasated peritoneal fluid after transurethral resection. Montesinos Baillo A, et al. **Eur Urol** 1984;10(3):183–6

The megacystis-megaureter syndrome. Burbige KA, et al. **J Urol** 1984 Jun;131(6):1133–6

Voiding inability after transurethral resection of a bladder diverticulum. Schulze S, et al. **Scand J Urol Nephrol** 1983; 17(3):377–8

Transurethral treatment of bladder diverticula. Alternative to open diverticulectomy. Clayman RV, et al. **Urology** 1984 Jun;23(6):573–7

[Internal urethrotomy by the Otis method. The therapeutic effect in women with chronic bladder irritation symptoms and presumed infravesical obstruction] Qvist N. **Ugeskr Laeger** 1983 Oct 17;145(42):3246–8 (Eng. Abstr.) **(Dan)**

[Surgery of genital prolapse using the abdominal approach. Experience of the surgery and gynecology department at the Salpêtrière Hospital] Lefranc JP, et al. **J Chir (Paris)** 1983 Aug–Sep;120(8–9):431–6 (Eng. Abstr.) **(Fre)**

[Transureteral ureteronephrostomy—a possibility for palliative supravesical urinary diversion] Matz M, et al. **Z Urol Nephrol** 1984 Jan;77(1):41–6 (Eng. Abstr.) **(Ger)**

[Indications and contraindications for transurethral operations in patients with various diseases of the prostate, bladder and urethra] Lopatkin NA, et al. **Urol Nefrol (Mosk)** 1984 Jan–Feb;(1):3–9 (Eng. Abstr.) **(Rus)**

[Surgical treatment of patients with 'shriveled' urinary bladders following adenectomy] Pytel' IuA, et al. **Urol Nefrol (Mosk)** 1984 Mar–Apr;(2):53–7 (Eng. Abstr.) **(Rus)**

[Rare postoperative complication in surgery of the ureterovesical junction] Rodó Salas J, et al.

Arch Esp Urol 1984 Jan–Feb;37(1):57–60 (Eng. Abstr.) (Spa)

THERAPY

Unstable bladder in elderly patients. Weiss BD. Am Fam Physician 1983 Oct;28(4):243–7
Bladder training—3 years on. Holmes DM, et al. Br J Urol 1983 Dec;55(6):660–4
Ultrasonic guidance of suprapubic aspiration in infants. Sagi EF, et al. JCU 1983 Aug;11(6):347–8
Clean intermittent self-catheterization in the elderly. Bennett CJ, et al. Urology 1984 Jul;24(1):43–5
[Conservative treatment of functional disorders of the lower urinary tract] Frohneberg D, et al. Gynakologe 1983 Dec; 16(4):206–13 (57 ref.) (Ger)
[Selective sacral nerve blockade in the treatment of detrusor hyperreflexia of the bladder] Alloussi S, et al. Urologe [Ausg A] 1984 Jan;23(1):39–45 (Eng. Abstr.) (Ger)
[Distension treatment of the urinary bladder] Tankó A, et al. Urologe [Ausg A] 1984 Jul;23(4):226–8 (Eng. Abstr.) (Ger)

VETERINARY

Urinary schistosomiasis in a sheep: a case report. Hussein MF, et al. Ann Trop Med Parasitol 1984 Aug;78(4):439–41
Ruptured bladder in a yearling heifer. Bertone AL, et al. J Am Vet Med Assoc 1984 Apr 15;184(8):981–2
Peritoneal dialysis for presurgical management of ruptured bladder in a foal. Kritchevsky JE, et al. J Am Vet Med Assoc 1984 Jul 1;185(1):81–2
Illness associated with abdominal adhesions in a cow. Stark DA. Mod Vet Pract 1984 May;65(5):386–8

BLADDER EXSTROPHY

COMPLICATIONS

Adenocarcinoma in exstrophy of the bladder—the last case in Scandinavia? A case report and review of literature. Nielsen K, et al. J Urol 1983 Dec;130(6):1180–2
[Pregnancy complicated by ISO–Rh in a patient born with bladder exstrophy and operated on by sigmoidal implantation of the ureters] De Luca P, et al. Arch Ostet Ginecol 1982 Sep–Dec;87(5–6):203–13 (Eng. Abstr.) (Ita)
[Cancer of the bladder in bladder exstrophy] Shipilov VI, et al. Urol Nefrol (Mosk) 1983 Sep–Oct;(5):60–1 (Rus)
[Adenocarcinoma and bladder exstrophy] Ponce Socorro JM, et al. Actas Urol Esp 1983 Jul–Aug;7(4):325–8 (Eng. Abstr.) (Spa)

FAMILIAL & GENETIC

The inheritance of the exstrophy–epispadias complex. Shapiro E, et al. J Urol 1984 Aug;132(2):308–10

PSYCHOLOGY

[Psychosocial aspects of the care of children with bladder exstrophy] Vandvik IH. Tidsskr Nor Laegeforen 1984 Aug 30;104(24):1624–6 (Nor)

SURGERY

The patient with exstrophy in adult life. Woodhouse CR, et al. Br J Urol 1983 Dec;55(6):632–5
Urethral reconstruction in boys with classical bladder exstrophy. Lepor H, et al. J Urol 1984 Mar;131(3):512–5
Primary bladder closure and bladder neck reconstruction in classical bladder exstrophy. Lepor H, et al. J Urol 1983 Dec;130(6):1142–5
Ureterosigmoidostomy: a useful technique. Husain MS, et al. JPMA 1983 Jun;33(6):133–5
Management of uncorrected exstrophy of the bladder in women. Roberts WS, et al. Obstet Gynecol 1984 Sep;64(3 Suppl):88S–89S
Exstrophy of the bladder progress of management during the last 25 years. Rickham PP, et al. Prog Pediatr Surg 1984;17:169–88
Complications of exstrophy surgery. Jeffs RD. Urol Clin North Am 1983 Aug;10(3):509–18
Reconstruction of abdominal wall and mons pubis in females with bladder exstrophy. Anderl H, et al. Urology 1983 Sep; 22(3):247–50
Cloacal exstrophy. Flanigan RC, et al. Urology 1984 Mar; 23(3):227–33
[An unusual form of bladder exstrophy] Kheradpir MH. Z Kinderchir 1984 Feb;39(1):82–4 (Eng. Abstr.) (Ger)
[Gynecologic and obstetric problems in patients with ureterointestinal anastomosis in bladder exstrophy] Pietsch P, et al. Zentralbl Gynakol 1983;105(22):1450–6 (Eng. Abstr.) (Ger)
[Bladder exstrophy. Long–term control] Marten–Perolino R, et al. Minerva Urol 1983 Apr–Jun;35(2):101–6 (Eng. Abstr.) (Ita)
[Pregnancy and labor after the Michelson operation for bladder exstrophy] Veisman VA, et al. Urol Nefrol (Mosk) 1983 Sep–Oct;(5):61–2 (Rus)

BLADDER FISTULA

COMPLICATIONS

Enterovesical fistula complicating Crohn's ileocolitis. Schraut WH, et al. Am J Gastroenterol 1984 Mar; 79(3):186–90
Post–traumatic preprostatic vesicourethral fistula with stricture at apex of prostate as a cause of correctable urinary incontinence. Singh P, et al. J Indian Med Assoc 1983 Aug; 81(3–4):60–1, 63

DIAGNOSIS

Vesicoenteric fistulas. Karamchandani MC, et al. Am J Surg 1984 May;147(5):681–3
[Clinical aspects and diagnosis of vesico–uterine fistulae] Kan DV, et al. Akush Ginekol (Mosk) 1983 Nov;(11):67–70 (Eng. Abstr.) (Rus)

ETIOLOGY

Course of enterovesical fistulas in Crohn's disease. Greenstein AJ, et al. Am J Surg 1984 Jun;147(6):788–92
Role of hysterectomy in predisposing the patient to sigmoidovesical fistula complicating diverticulitis [editorial] Miller RE. Am J Surg 1984 May;147(5):660–1
Incontinence: vesical and urethral fistulas. Symmonds RE. Clin Obstet Gynecol 1984 Jun;27(2):499–514
Vesicocolic fistula formed by 'collision' tumor between transitional cell carcinoma of urinary bladder and adenocarcinoma of the sigmoid colon. Oda Y, et al. Hinyokika Kiyo 1984 Jan;30(1):55–8
Iliac artery–bladder fistulization ten years post–renal transplantation. Bernath AS, et al. Urology 1983 Dec; 22(6):635–6
[Sigmoid–vesical fistula caused by a foreign body] Rosi P, et al. Minerva Urol 1983 Oct–Dec;35(4):305–8 (Eng. Abstr.) (Ita)

PATHOLOGY

[Vesico–intestinal fistula with contribution of 2 cases] Patrashkov T, et al. Khirurgiia (Sofiia) 1983;36(2):157–62 (Eng. Abstr.) (Rus)

RADIOGRAPHY

CT demonstration of colovesical fistulae secondary to diverticulitis. Goldman SM, et al. J Comput Assist Tomogr 1984 Jun;8(3):462–8
Adenocarcinoma of the urachus with vesicoenteric fistula. Baumgartner BR, et al. Urol Radiol 1984;6(1):55–7

RADIONUCLIDE IMAGING

[Scintigraphic contribution to the demonstration of enterovesical fistulas] Sonntag A, et al. ROFO 1983 Dec; 139(6):705 (Ger)

SURGERY

Conservative surgery for vesicocolic fistula. Lewis SL, et al. J R Soc Med 1984 Feb;77(2):102–4
Ventrodorsal vesical repair of complicated vesicovaginal and vesicorectal fistulas. Coolsaet BL. J Urol 1984 Jan; 131(1):116–7
Fistulas of the bladder in Crohn's disease. van Dongen LM, et al. Surg Gynecol Obstet 1984 Apr;158(4):308–10
Colovesical fistulas. Krco MJ, et al. Urology 1984 Apr; 23(4):340–2
[Closure of a vesico–perineal fistula with fibrin glue] Grumbt H, et al. Zentralbl Chir 1984;109(5):364–5 (Ger)
[Conservative urinary tract surgery in 2 cases of vesico–intestinal fistula caused by radiotherapy of cervical cancer] Kagabu T, et al. Nippon Sanka Fujinka Gakkai Zasshi 1983 Sep;35(9):1685–8 (Jpn)
[Surgical treatment of vesicouterine fistulae] Kan DV, et al. Urol Nefrol (Mosk) 1984 Jul–Aug;(4):57–61 (Eng. Abstr.) (Rus)
[Vesicointestinal fistulas] Riabinskiĭ VS, et al. Urol Nefrol (Mosk) 1983 Nov–Dec;(6):23–9 (Eng. Abstr.) (Rus)

THERAPY

Treatment options in vesicoentric fistulas [editorial] Amin M. Am J Surg 1984 May;147(5):705

URINE

Detection of occult colovesical fistula by the Bourne test. Amendola MA, et al. AJR 1984 Apr;142(4):715–8

BLADDER NECK OBSTRUCTION

COMPLICATIONS

Vesicoureteral reflux in the monkey: a review. Roberts JA. Urol Radiol 1983;5(3):211–7, 219
[Primary and secondary megaureter in children. Indication and results of surgical correction] Walz PH, et al. Urologe [Ausg A] 1983 Nov;22(6):396–400 (Eng. Abstr.) (Ger)
[Anatomic and functional disorders of the kidneys and urinary tract in children with pyelonephritis] Tereshchenko AV, et al. Urol Nefrol (Mosk) 1983 Sep–Oct;(5):57–9 (16 ref.) (Eng. Abstr.) (Rus)

DIAGNOSIS

[Postoperative evaluation and diagnosis of a case with bladder neck contracture by combined ultrasonotomography and urodynamic monitoring] Nishizawa O, et al. Nippon Hinyokika Gakkai Zasshi 1983 Oct;74(10):1765–71 (Eng. Abstr.) (Jpn)
[Use of uroflowmetry as a method of evaluating obstruction of the lower urinary tract] Minkov N, et al. Khirurgiia (Sofiia) 1983;36(6):551–6 (Rus)

ETIOLOGY

Bladder obstruction—a rare complication after percutaneous renal biopsy. Frühwald F, et al. Eur J Radiol 1984 Aug; 4(3):225–6
[Bladder neck strictures following transurethral resection—limits of transurethral therapy] Matz M, et al. Z Urol Nephrol 1984 Jun;77(6):329–33 (Eng. Abstr.) (Ger)

PATHOLOGY

Acute hemorrhagic obstructive uropathy as a complication of experimental autoimmune encephalomyelitis. Lifson JD, et al. Arch Pathol Lab Med 1983 Nov;107(11):600–2

PHYSIOPATHOLOGY

Bladder neck obstruction in women: a real entity. Diokno AC, et al. J Urol 1984 Aug;132(2):294–8
The effect of short–term obstruction on urinary bladder function in the rabbit. Levin RM, et al. J Urol 1984 Oct; 132(4):789–91

RADIOGRAPHY

Acquired obstructions of the lower urinary tract in children. Hertz M, et al. Urol Radiol 1983;5(3):149–57, 159–60

SURGERY

A new operative procedure for treatment of strictures of the bladder neck after prostate adenomectomy. Dichev B. Folia Med (Plovdiv) 1983;25(3):5–7
[Internal urethrotomy by the Otis method. The therapeutic effect in women with chronic bladder irritation symptoms and presumed infravesical obstruction] Qvist N. Ugeskr Laeger 1983 Oct 17;145(42):3246–8 (Eng. Abstr.) (Dan)
[Results with the Marshall–Marchetti bladder neck suspensionplasty in female stress incontinence] Mayer HP, et al. Fortschr Med 1983 Aug 11;101(30):1363–5 (Eng. Abstr.) (Ger)
[Diagnosis and treatment of functional bladder neck obstruction] Petschnigg R, et al. Urologe [Ausg A] 1983 Sep;22(5):294–6 (Eng. Abstr.) (Ger)
[Transurethral electroresection of the bladder neck in local anesthesia] Hak–Hagir A. Z Urol Nephrol 1983 Oct; 76(10):639–41 (Eng. Abstr.) (Ger)
[Methods of transurethral bladder neck resection. 2. Clinical studies: comparison of voiding improvement in following a procedure preserving the proximal urethra at 3 to 9 o'clock and total resection] Hama T, et al. Nippon Hinyokika Gakkai Zasshi 1983 Jun;74(6):956–60 (Eng. Abstr.) (Jpn)
[Treatment of urethral strictures and stenosis of the neck of the urinary bladder after adenomectomy of the prostate gland by the partial tunnelization method] Maletin AG. Urol Nefrol (Mosk) 1983 Jul–Aug;(4):43–6 (Eng. Abstr.) (Rus)

THERAPY

Metabolic alkalosis following relief of urinary tract obstruction. Spital A, et al. NY State J Med 1983 Jul–Sep; 83(8–10):1058–60

BLADDER NEOPLASMS

Advances in bladder cancer research. 2nd National Bladder Conference. Sarasota, Florida, USA, January 5–8, 1983. Clin Nephrol 1984 Jan;21(1):1–155
Hemangioma of the urinary bladder. Sarma DP, et al. J Surg Oncol 1983 Oct;24(2):142–4
Bladder carcinoma presenting as a solitary bony metastasis. Mughal TI, et al. J Urol 1983 Nov;130(5):973
Urothelial tumor: problems and prospects. Whitmore WF Jr. Semin Urol 1983 Feb;1(1):2–6
The multidisciplinary approach to problems of medicine. Friedell GH. Urology 1984 Apr;23(4 Suppl):143–8
[Inverted papilloma of the bladder (Report of a clinical case)] Morelli A, et al. Ann Osp Maria Vittoria Torino 1982 Jul–Dec;25(7–12):235–40 (Eng. Abstr.) (Ita)
[Pheochromocytoma of the urinary bladder—a very unusual localization] Luttropp HH, et al. Lakartidningen 1984 Aug 29;81(35):3036 (Swe)

ANALYSIS

Glycosaminoglycans in urothelial carcinomas. Rübben H, et al. Urol Res 1983;11(4):163–6
[Biochemical marker of malignant bladder tumors—polyamine concentration in tissues of bladder

cancer] Kiyohara H, et al.
Nippon Hinyokika Gakkai Zasshi 1983 Oct;74(10):1749–57 (Eng. Abstr.) **(Jpn)**

[Intravesical instillation of adriamycin and its concentration in bladder tumor] Nakada T, et al.
Nippon Hinyokika Gakkai Zasshi 1983 Jun;74(6):1015–22 (Eng. Abstr.) **(Jpn)**

BLOOD

The treatment of advanced bladder cancer with methotrexate and cis-platinum—a pharmacokinetic study. Kaye SB, et al. **Eur J Cancer Clin Oncol** 1984 Feb;20(2):249–52

A, B and O(H) isoantigens in tumor of the urinary bladder. Preliminary results, relating the specific red cell adherence test to pathological grade and stage. Karlsen S, et al. **Urol Int** 1984;39(3):150–3

BLOOD SUPPLY

Blood flow in transplantable bladder tumors treated with hematoporphyrin derivative and light. Selman SH, et al. **Cancer Res** 1984 May;44(5):1924–7

[Microvascular architecture of the normal urinary bladder and the bladder tumor] Takayama H.
Nippon Hinyokika Gakkai Zasshi 1984 Jan;75(1):25–31 (Eng. Abstr.) **(Jpn)**

CHEMICALLY INDUCED

Occupational exposures as risk indicator of male bladder carcinoma in a predominantly rural area. Mommsen S, et al. **Acta Radiol [Oncol]** 1984;23(2–3):147–52

Bladder cancer and alcoholic beverage consumption. Thomas DB, et al. **Am J Epidemiol** 1983 Nov;118(5):720–7

Azathioprine and urinary bladder tumor [letter] Or R, et al. **Ann Intern Med** 1983 Nov;99(5):737

The 'promoting' activity of methyl methanesulphonate in rat bladder carcinogenesis. Tudor RJ, et al. **Br J Cancer** 1984 Jul;50(1):63–75

Changes in compensation for occupationally induced bladder cancer [editorial] Glashan RW. **Br Med J [Clin Res]** 1984 Apr 21;288(6425):1181–2

The Noble rat bladder cancer model. FANFT-induced tumors. Drago JR. **Cancer** 1984 Mar 1;53(5):1093–9

Promotion by ascorbic acid, sodium erythorbate and ethoxyquin of neoplastic lesions in rats initiated with N-butyl-N-(4-hydroxybutyl) nitrosamine. Fukushima S, et al. **Cancer Lett** 1984 May;23(1):29–37

Effect of aspirin on N-[4-(5-nitro-2-furyl)-2-thiazolyl]-formamide-induced epithelial proliferation in the urinary bladder and forestomach of the rat. Hasegawa R, et al. **Cancer Lett** 1984 Jan;21(3):269–75

Effect of quercetin on two-stage carcinogenesis of the rat urinary bladder. Hirose M, et al. **Cancer Lett** 1983 Nov; 21(1):23–7

Promoting effects of unilateral ureteric ligation on two-stage urinary bladder carcinogenesis in rats. Miyata Y, et al. **Cancer Lett** 1984 Jul;23(3):265–72

Unusually high susceptibility of NZR/Gd rats to bladder cancer induction by low doses of nitrosomethylurea. Noronha RF, et al. **Cancer Lett** 1984 Mar;22(2):193–8

Delay of bladder cancer induction in rats treated with N-nitroso-N-butyl-N-(4-hydroxybutyl)amine by administration of sodium-2-mercaptoethanesulfonate (Mesna). Tacchi AM, et al. **Cancer Lett** 1984 Feb; 22(1):89–94

Dose-dependent reduction of N-2-fluorenylacetamide-induced liver cancer and enhancement of bladder cancer in rats by butylated hydroxytoluene. Maeura Y, et al. **Cancer Res** 1984 Apr; 44(4):1604–10

Distinction by concanavalin A agglutination between ulceration and repair of rat bladder epithelium induced by freezing or cyclophosphamide and the effect of sodium saccharin. Suzuki T, et al. **Cancer Res** 1984 Jan;44(1):74–7

Specific binding, stimulation of rodent urinary bladder epithelial ornithine decarboxylase, and induction of transitional cell hyperplasia by the skin tumor promoter 12-O-tetradecanoylphorbol-13-acetate. Verma AK, et al. **Cancer Res** 1983 Dec;43(12 Pt 1):5964–71

Inhibition by aspirin of N-[4-(5-nitro-2-furyl)-2-thiazolyl] formamide-induced bladder carcinogenesis and enhancement of forestomach carcinogenesis. Murasaki G, et al. **Carcinogenesis** 1984 Jan;5(1):53–5

Inhibition of experimental urinary bladder carcinogenesis by partial cystectomy. Kunze E, et al.
Eur J Cancer Clin Oncol 1983 Oct;19(10):1487–8

A catch every time. **Food Chem Toxicol** 1983 Oct;21(5):690

Promoting effect of sodium o-phenylphenate and o-phenylphenol on two-stage urinary bladder carcinogenesis in rats. Fukushima S, et al. **Gann** 1983 Oct; 74(5):625–32

Single-cell origin of bladder cancer induced by N-butyl-N-(4-hydroxybutyl) nitrosamine in mice with cellular mosaicism. Kakizoe T, et al. **Gann** 1983 Aug; 74(4):462–5

Rapid induction of carcinoma in situ in dog urinary bladder by sequential treatment with N-methyl-N'-nitrosourea and N-butyl-N-(4-hydroxybutyl)-nitrosamine. Samma S, et al. **Gann** 1984 May;75(5):385–7

Artificial sweeteners and absence of bladder cancer risk in Copenhagen. Møller-Jensen O, et al. **Int J Cancer** 1983 Nov 15;32(5):577–82

Increased agglutinability of bladder epithelial cells by concanavalin A in rats fed several biphenyl derivatives. Honma Y, et al. **J Cancer Res Clin Oncol** 1983;106(3):176–8

Dose-response study of urinary bladder carcinogenesis in rats by N-butyl-N-(4-hydroxybutyl)nitrosamine. Ito N, et al. **J Cancer Res Clin Oncol** 1984;108(1):169–73

Bladder cancer induced by noncarcinogenic substances. Akaza H, et al. **J Urol** 1984 Jan;131(1):152–5

Comparative carcinogenicity of N-butyl-N-(3-carboxypropyl)-nitrosamine and N-butyl-N-(4-hydroxybutyl)nitrosamine for the urinary bladder of (C57BL/6 X DBA/2)F1 mice. Irving CC, et al. **JNCI** 1984 Sep;73(3):753–6

Risks of fishermen's dyes [letter] Hinton AJ. **Lancet** 1984 May 26;1(8387):1179

Carcinogenic risks of fishermen's dyes [letter] Searle CE, et al. **Lancet** 1984 Mar 10;1(8376):563

Bladder cancer in the aluminium industry. Thériault G, et al. **Lancet** 1984 Apr 28;1(8383):947–50

Effect of splenectomy on the growth of carcinogen-induced experimental bladder cancer in mice and rats. Ornellas EP, et al. **Mt Sinai J Med (NY)** 1984 Apr;51(2):166–73

Cutting oils and bladder cancer [letter] Vineis P, et al. **Scand J Work Environ Health** 1983 Oct;9(5):449–50

Urolithiasis and bladder carcinogenicity of melamine in rodents. Melnick RL, et al. **Toxicol Appl Pharmacol** 1984 Feb;72(2):292–303

Metastatic characteristics of four FANFT-induced murine bladder tumors. Crabtree WN, et al. **Urology** 1983 Nov; 22(5):529–31

[Aromatic amines in the work environment and urothelial tumors] Conso F. **Sem Hop Paris** 1983 Sep 1; 59(29–30):2103–6 (Eng. Abstr.) **(Fre)**

[Urothelial carcinoma of the bladder following cyclophosphamide therapy] Blume B, et al.
Z Urol Nephrol 1984 Jan;77(1):7–9 (Eng. Abstr.) **(Ger)**

[Risk of cancer in oven-block workers in carbonization plants—results of a cohort study] Manz A.
Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie 1984 Feb;34(2):34–41 (Eng. Abstr.) **(Ger)**

[Cancer of the bladder occurring in occupational dye users: report of two cases] Ando M, et al. **Hinyokika Kiyo** 1984 Feb;30(2):223–8 (Eng. Abstr.) **(Jpn)**

[Biochemistry of occupational bladder cancer] Matsushima M, et al. **Hinyokika Kiyo** 1983 Nov;29(11):1383–94 (101 ref.) (Eng. Abstr.) **(Jpn)**

[Enhancement of urinary bladder carcinogenesis by the rat urine fractionated by molecular weight] Babaya K.
Nippon Hinyokika Gakkai Zasshi 1984 Mar;75(3):355–66 (Eng. Abstr.) **(Jpn)**

[Effect of reduced glutathione on N-butyl-N-(4-hydroxybutyl)-nitrosamine-induced urinary bladder cancer in rats] Komatsu H, et al.
Nippon Hinyokika Gakkai Zasshi 1983 Dec;74(12):2077–80 (Eng. Abstr.) **(Jpn)**

[Cyclophosphamide and bladder cancer] Hem E, et al.
Tidsskr Nor Laegeforen 1984 Jan 10;104(1):24–6 (Eng. Abstr.) **(Nor)**

CLASSIFICATION

[Confirmation of the T classification of bladder tumors by transcutaneous sonography, intra-vesical sonography and computer tomography] Greiner KG, et al. **ROFO** 1983 Nov;139(5):510–5 (Eng. Abstr.) **(Ger)**

[Staging of cancer of the bladder. Current status and prospects] D'Addessi A, et al. **Minerva Urol** 1983 Jul–Sep; 35(3):187–93 (Eng. Abstr.) **(Ita)**

COMPLICATIONS

Vesicoureteric reflux in patients with bladder tumours. Amar AD, et al. **Br J Urol** 1983 Oct;55(5):483–7

Vesicocolic fistula formed by 'collision' tumor between transitional cell carcinoma of urinary bladder and adenocarcinoma of the sigmoid colon. Oda Y, et al.
Hinyokika Kiyo 1984 Jan;30(1):55–8

Paraneoplastic hypercalcemia associated with bladder carcinoma: report of 2 cases. Michel F, et al. **J Urol** 1984 Apr;131(4):753–5

Adenocarcinoma in exstrophy of the bladder—the last case in Scandinavia? A case report and review of literature. Nielsen K, et al. **J Urol** 1983 Dec;130(6):1180–2

Palmar keratoses and bladder cancer [letter] Cartwright RA, et al. **Lancet** 1984 Mar 10;1(8376):563

Palmar keratoses and cancers of the bladder and lung. Cuzick J, et al. **Lancet** 1984 Mar 10;1(8376):530–3

Might (pro-)vitamin A be involved in the relation between palmar keratosis and cancer of bladder and lung? [letter] Drijver M, et al. **Lancet** 1984 Sep 15;2(8403):643

A case of vesical leiomyoma and acute urinary obstruction. Foster ME, et al. **Postgrad Med J** 1983 Jun;59(692):392–3

Ectopic prostatic tissue in bladder trigone. Distinctive cause of hematuria. Klein HZ, et al. **Urology** 1984 Jan;23(1):81–2

[Acanthosis nigricans of the oral mucosa associated with bladder carcinoma] Aloi FG, et al.
G Ital Dermatol Venereol 1983 Mar–Apr;118(2):95–7 (Eng. Abstr.) **(Ita)**

[A case of rhabdomyosarcoma of the bladder in a child with urethral prolapse] Nakao M, et al. **Hinyokika Kiyo** 1983 Feb;29(2):233–8 (Eng. Abstr.) **(Jpn)**

[A case of familial renal hypouricemia associated with bladder cancer] Kitamura T, et al.
Nippon Hinyokika Gakkai Zasshi 1984 Feb;75(2):310–5 (Eng. Abstr.) **(Jpn)**

[Case of bladder cancer associated with erythrocytosis: a review of the Japanese literature on tumors associated with erythrocytosis] Yanagizawa R, et al.
Nippon Hinyokika Gakkai Zasshi 1983 Jun;74(6):1044–50 (Eng. Abstr.) **(Jpn)**

[Treatment of complications of cancer of the abdominal organs] Terent'ev VA, et al. **Khirurgiia (Mosk)** 1983 Nov; (11):121–3 **(Rus)**

[Embolization of the internal iliac arteries in hemorrhaging bladder tumors] Drozdovskii BIa, et al.
Urol Nefrol (Mosk) 1984 Jul–Aug;(4):33–6 (Eng. Abstr.) **(Rus)**

[Pathogenesis of postradiation hemorrhage in the combined treatment of bladder cancer] Popov AI.
Urol Nefrol (Mosk) 1984 Jul–Aug;(4):31–3 (Eng. Abstr.) **(Rus)**

[Adenocarcinoma and bladder exstrophy] Ponce Socorro JM, et al. **Actas Urol Esp** 1983 Jul–Aug;7(4):325–8 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Inverted papilloma of the bladder. A report of two typical cases, including sonographic figures. Govaerts J, et al.
Acta Urol Belg 1983;51(4):504–9

Anatomy and pathology of the male pelvis by magnetic resonance imaging. Hricak H, et al. **AJR** 1983 Dec; 141(6):1101–10

The use of hierarchic classification in the image analysis of a complex cell population. Experience with the sediment of voided urine. Koss LG, et al. **Anal Quant Cytol** 1983 Sep;5(3):159–66

Ultrasound in the localisation of bladder tumours for radiotherapy treatment planning. Perkins AC, et al.
Br J Radiol 1984 Mar;57(675):241–5

Sensitivity of exfoliative cytology in bladder cancer using the divided one-urine specimen examination. Theodorou C, et al. **Br J Urol** 1984 Feb;56(1):48–9

Selective surface staining of bladder tumors by intravesical methylene blue with enhanced endoscopic identification. Gill WB, et al. **Cancer** 1984 Jun 15;53(12):2724–7

Adenocarcinoma of the appendix simulating primary bladder carcinoma. Bartholomew LG, et al. **Dig Dis Sci** 1984 Apr; 29(4):371–5

Nephrogenic adenoma of the bladder in children. de Jong EA, et al. **Eur Urol** 1984;10(3):187–90

Mesonephric adenocarcinoma of bladder. Minervini R, et al. **Eur Urol** 1984;10(2):141–2

Leiomyoma of the bladder. Van Regemorter G, et al.
Eur Urol 1984;10(3):210–1

Vesical haemangioma. Report of two cases. Borrelli M, et al. **Int Urol Nephrol** 1984;16(2):109–14

Gray scale sonographic staging of tumors of the bladder. Edell SL, et al. **J Am Osteopath Assoc** 1983 Nov; 83(3):225–7

Genitourinary tumors I: carcinoma of the bladder. Graham SD Jr. **J Med Assoc Ga** 1983 Sep;72(9):643–5, 653

Transabdominal dynamic ultrasonography in detection of bladder tumors. Brun B, et al. **J Urol** 1984 Jul;132(1):19–20

Polypoid cystitis mimicking transitional cell carcinoma. Buck EG. **J Urol** 1984 May;131(5):963

Cell surface antigens in bladder cancer. Javadpour N.
J Urol 1983 Feb;129(2):439

Cystoscopic fluorescence detector for photodetection of bladder carcinoma with hematoporphyrin derivative. Lin CW, et al. **J Urol** 1984 Mar;131(3):587–90

Neurofibromatosis of the bladder: sonographic findings. Miller WB Jr, et al. **JCU** 1983 Oct;11(8):460–2

Phaeochromocytoma of the urinary bladder localized by selective venous sampling and computed tomography. Miller JL, et al. **Postgrad Med J** 1983 Aug;59(694):533–5

Carcinoma of the bladder, prostate and testicle. Garland JB. **Practitioner** 1984 Aug;228(1394):725–9

Urinary bladder tumors studied by cystosonography. Part I: Detection. Abu-Yousef MM, et al. **Radiology** 1984 Oct; 153(1):223–6

Urinary bladder tumors studied by cystosonography. Part II: Staging. Abu-Yousef MM, et al. **Radiology** 1984 Oct; 153(1):227–31

Neoplasms of the bladder, prostate, and urethra. Lang EK. **Semin Roentgenol** 1983 Oct;18(4):288–98 (44 ref.)

Carcinoma in situ of the bladder. Herr HW. **Semin Urol** 1983 Feb;1(1):15–22

T-antigen and bladder cancer [letter] Blum MD. **Urology** 1984 Sep;24(3):300

Clinical applications of DNA flow cytometry for bladder tumors. Frankfurt OS, et al. **Urology** 1984 Mar;23(3 Suppl):29–34 (22 ref.)

In vivo mapping of bladder cancer (chromocystoscopy for in vivo detection of neoplastic urothelial surfaces). Gill WB, et al. **Urology** 1984 Apr;23(4 Suppl):63–6

Tumor markers in bladder cancer. Huben RP. **Urology** 1984 Mar;23(3 Suppl):10–4 (39 ref.)

Molecular markers in the diagnosis and prognosis of bladder cancer. Lange PH, et al. **Urology** 1984 Apr;23(4 Suppl):46–54 (57 ref.)

Sex-dependent variations in natural history of transitional cell carcinoma of bladder. Laor E, et al. **Urology** 1984 Mar; 23(3):237–9

Primary linitis plastica carcinoma of urinary bladder. Reading

LC, et al. **Urology** 1983 Sep;22(3):310–3
Postmenopausal vesical endometriosis. Vorstman B, et al. **Urology** 1983 Nov;22(5):540–2
[Cytological examination of bladder tumors: examination of urine samples or irrigation fluid?] Pazourek J. **Rozhl Chir** 1984 Apr;63(4):274–7 (Eng. Abstr.) **(Cze)**
[Transurethral ultrasonography of newly discovered bladder tumors] Louw P, et al. **Ugeskr Laeger** 1984 Feb 20; 146(8):583–5 (Eng. Abstr.) **(Dan)**
[Desmoid tumor with invasion of the bladder] Lundhus E, et al. **Ugeskr Laeger** 1984 Jan 9;146(2):112–3 (Eng. Abstr.) **(Dan)**
[Bladder leiomyosarcoma] Ferrant P, et al. **Acta Urol Belg** 1983;51(3):283–8 (Eng. Abstr.) **(Fre)**
[Interventional echography of the male anterior pelvis. Apropos of 1 500 cases 1980–1982] Lardennois B, et al. **Ann Radiol (Paris)** 1983 Apr–May;26(4):327–33 (Eng. Abstr.) **(Fre)**
[Study of bladder tumors using ultrasonics] Romero–Aguirre C, et al. **J Urol (Paris)** 1983;89(8):541–6 (Eng. Abstr.) **(Fre)**
[Pseudotumoral cystitis in the newborn infant and children. Problems of the differential diagnosis with bladder botryosarcoma. Apropos of 3 cases] Takvorian P, et al. **Pediatrie** 1983 Apr–May;38(3):173–8 (Eng. Abstr.) **(Fre)**
[Ultrasonographic assessment of bladder tumors: clinical staging] Niijima T. **Gan No Rinsho** 1983 Aug; 29(10):1175–80 (Eng. Abstr.) **(Jpn)**
[Tissue polypeptide antigen (TPA) in urological malignancies. I. S–TPA in bladder cancer patients] Akiyama T, et al. **Hinyokika Kiyo** 1983 Dec;29(12):1635–40 (Eng. Abstr.) **(Jpn)**
[Value of cytological examination for postoperative bladder cancer] Kawachi Y. **Hinyokika Kiyo** 1983 Nov; 29(11):1469–74 (Eng. Abstr.) **(Jpn)**
[Clinical study of urinary cytology: with special reference to bladder cancer] Nemoto S, et al. **Hinyokika Kiyo** 1983 Dec;29(12):1611–5 (Eng. Abstr.) **(Jpn)**
[Diagnosis of bladder cancer by transurethral ultrasonic scanning] Sakamoto W, et al. **Hinyokika Kiyo** 1983 Sep; 29(9):1015–8 (Eng. Abstr.) **(Jpn)**
[Clinical evaluation of serum ferritin levels in urologic cancer (II)] Washida H, et al. **Hinyokika Kiyo** 1983 Jan;29(1):17–22 (Eng. Abstr.) **(Jpn)**
[Significance of urinary hyaluronate assays in the diagnosis of bladder carcinoma. II. Hyaluronate in patients with bladder carcinoma] Baba S. **Nippon Hinyokika Gakkai Zasshi** 1983 Aug;74(8):1362–9 (Eng. Abstr.) **(Jpn)**
[Clinico–immunologic characteristics of urooncologic patients] Bkhatta AD, et al. **Urol Nefrol (Mosk)** 1984 Mar–Apr;(2):47–53 (Eng. Abstr.) **(Rus)**
[Immunodiagnosis and immunotherapy of bladder tumors] Kadagidze ZG, et al. **Urol Nefrol (Mosk)** 1984 Jan–Feb; (1):69–72 (32 ref.) **(Rus)**
[Ultrasonic diagnosis of neoplasms of the urinary bladder] Lopatkin NA, et al. **Urol Nefrol (Mosk)** 1983 Jul–Aug; (4):3–7 (Eng. Abstr.) **(Rus)**
[Cancer of the bladder in bladder exstrophy] Shipilov VI, et al. **Urol Nefrol (Mosk)** 1983 Sep–Oct;(5):60–1 **(Rus)**
[Vesical rhabdomyosarcoma in infancy] Flores Corral N, et al. **Actas Urol Esp** 1983 Sep–Oct;7(5):393–8 (Eng. Abstr.) **(Spa)**
[Vesical urothelioma in children] Virseda JA, et al. **Actas Urol Esp** 1984 Mar–Apr;8(2):157–8 **(Spa)**
[Ultrasonography and bladder neoplasms: our experience] Burgos R, et al. **Arch Esp Urol** 1983 Mar–Apr;36(2):109–16 (Eng. Abstr.) **(Spa)**
[Leiomyosarcoma of the bladder] Galbis Palau F, et al. **Arch Esp Urol** 1984 May–Jun;37(3):247–50 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

A phase II study of intravesical mitomycin C in the treatment of superficial bladder cancer. Harrison GS, et al. **Br J Urol** 1983 Dec;55(6):676–9
Intravesical doxorubicin for the prophylaxis of superficial bladder tumors. A multicenter study. Blinst Italian Cooperative Group. **Cancer** 1984 Aug 15;54(4):756–61
The stability and antitumor activity of recycled (intravesical) mitomycin C. Hopkins SC, et al. **Cancer** 1984 May 15; 53(10):2063–8
Mitomycin C intravesical therapy in noninvasive bladder cancer after failure on thiotepa. Issell BF, et al. **Cancer** 1984 Mar 1;53(5):1025–8
Second International Conference on Treatment of Urinary Tract Tumors with adriamycin. September 4, 1982, San Francisco. **Cancer Chemother Pharmacol** 1983;11 Suppl:S1–93
Intravesical chemotherapy in urinary bladder cancer. Edsmyr F, et al. **Cancer Chemother Pharmacol** 1983;11 Suppl:S67–8
Bladder cancer chemotherapy studies supported by the National Bladder Cancer Project. Friedell GH. **Cancer Chemother Pharmacol** 1983;11 Suppl:S13–5
Treatment of carcinoma in situ of the bladder with doxorubicin (adriamycin). Glashan RW. **Cancer Chemother Pharmacol** 1983;11 Suppl:S35–7
Bladder instillation of adriamycin in the treatment of bladder cancer. Huang CH, et al. **Cancer Chemother Pharmacol** 1983;11 Suppl:S91–3
Mechanisms of action of intravesical treatment. Effect on the ABH surface antigens of urothelial cells. Jakse G, et al. **Cancer Chemother Pharmacol** 1983;11 Suppl:S74–8
Long–term intra–arterial infusion chemotherapy with adriamycin for advanced bladder cancer. Kanoh S, et al. **Cancer Chemother Pharmacol** 1983;11 Suppl:S51–8
Intravesical instillation therapy with adriamycin for bladder cancer in the Korean study group. Kim SK, et al. **Cancer Chemother Pharmacol** 1983;11 Suppl:S22–4
Intravesical adriamycin chemotherapy in bladder cancer. Matsumura Y, et al. **Cancer Chemother Pharmacol** 1983;11 Suppl:S69–73
Development and clinical application of an AFC regimen (adriamycin, futraful, cytosine arabinoside) for superficial bladder tumors. Mishina T, et al. **Cancer Chemother Pharmacol** 1983;11 Suppl:S89–90
Evaluation of multidisciplinary treatment of bladder cancer, especially in chemoimmunotherapy (ADM and OK–432) as a consolidation therapy. Nakagami Y, et al. **Cancer Chemother Pharmacol** 1983;11 Suppl:S47–50
Randomized clinical trial on chemoprophylaxis of recurrence in cases of superficial bladder cancer. Niijima T, et al. **Cancer Chemother Pharmacol** 1983;11 Suppl:S79–82
Minimization of inflammation in the treatment of bladder tumors by intravesical instillation of adriamycin. Ohi Y, et al. **Cancer Chemother Pharmacol** 1983;11 Suppl:S83–8
Cooperative studies of chemoprophylaxis after transurethral resection of bladder tumors. Pavone–Macaluso M, et al. **Cancer Chemother Pharmacol** 1983;11 Suppl:S16–21
Phase II study of VP 16–213 (etoposide) in metastatic transitional cell urothelial cancer. Ponder BA, et al. **Cancer Chemother Pharmacol** 1984;12(1):64–5
Early adjuvant adriamycin in superficial bladder carcinoma. Schulman CC, et al. **Cancer Chemother Pharmacol** 1983;11 Suppl:S32–4
Cooperative studies of systemic chemotherapy. A review of the work of the EORTC Urological Group and of the Yorkshire Urological Cancer Research Group (YUCRG). Smith PH, et al. **Cancer Chemother Pharmacol** 1983;11 Suppl:S25–31
Intravesical chemotherapy in the United States. An overview. Spaulding JT. **Cancer Chemother Pharmacol** 1983;11 Suppl:S5–8 (44 ref.)
Combination chemotherapy for advanced bladder cancer with adriamycin, cyclophosphamide, and 5–fluorouracil. Tashiro K, et al. **Cancer Chemother Pharmacol** 1983;11 Suppl:S43–6
Chemotherapy of advanced transitional cell carcinoma of the uroepithelium. Torti FM, et al. **Cancer Chemother Pharmacol** 1983;11 Suppl:S1–4 (51 ref.)
Intra–arterial adriamycin chemotherapy for bladder cancer. Semiselective intra–arterial chemotherapy with compression of the femoral arteries at the time of injection. Uyama T, et al. **Cancer Chemother Pharmacol** 1983;11 Suppl:S59–63
Phase–II trials in patients with urothelial tract tumors. Memorial Sloan–Kettering Cancer Center. Yagoda A. **Cancer Chemother Pharmacol** 1983;11 Suppl:S9–12
Randomized phase II trial of hexamethylmelamine versus pentamethylmelamine in carcinoma of the bilharzial bladder. Gad–el–Mawla N, et al. **Cancer Treat Rep** 1984 May;68(5):793–4
Phase II chemotherapy trials of 5–FU, cyclophosphamide, ifosfamide, and vincristine in carcinoma of the bilharzial bladder. Gad–el–Mawla N, et al. **Cancer Treat Rep** 1984 Feb;68(2):419–21
Randomized trial of hexamethylmelamine versus 5–FU, doxorubicin, and cyclophosphamide (FAC) in advanced transitional cell bladder carcinoma: a Southwest Oncology Group study. Gagliano RG, et al. **Cancer Treat Rep** 1984 Jul–Aug;68(7–8):1025–6
Combination chemotherapy with cisplatin and VM–26 in advanced transitional cell carcinoma of the bladder. Stoter G, et al. **Eur J Cancer Clin Oncol** 1984 Mar;20(3):315–7
Principal components analysis of haematological data from F344 rats with bladder cancer fed N–(ethyl)–all–trans–retinamide. Festing MF, et al. **Food Chem Toxicol** 1984 Jul;22(7):559–72
The treatment of primary operable transitional cell cancer of the bladder without cystectomy. Preliminary report. Cole DR, et al. **Int J Clin Pharmacol Ther Toxicol** 1983 Nov;21(11):541–3
The influence of the protector thiol L–cystein on the toxic and therapeutic responses of stabilized 'activated' cyclophosphamide (4–(S–ethanol)–sulfido–cyclophosphamide). Voelcker G, et al. **Invest New Drugs** 1984;2(2):253–9
Danazol in the treatment of vesical endometriosis. Váquez MA, et al. **J Fam Pract** 1984 Jul;19(1):117–8
Toxicity associated with intravesical cisplatinum in a patient with superficial bladder cancer. Babaian RJ. **J Urol** 1983 Nov;130(5):974
Treatment of transitional cell carcinoma of the bladder with hematoporphyrin derivative phototherapy. Benson RC Jr, et al. **J Urol** 1983 Dec;130(6):1090–5
Mitomycin C reused: an in vitro cost–effectiveness study. Carroll PR, et al. **J Urol** 1984 Sep;132(3):583–6
Case report: complete response of metastatic transitional cell carcinoma of the bladder with chemotherapy alone. Dougherty WE, et al. **J Urol** 1984 Feb;131(2):340–2
Indomethacin and poly I:C in the inhibition of carcinogen–induced bladder cancer in an experimental animal model. Droller MJ, et al. **J Urol** 1984 Jun; 131(6):1212–7
Local chemotherapeutic effects in bladder cancer demonstrated by selective sampling and flow cytometry. Farsund T, et al. **J Urol** 1984 Jan;131(1):22–32
Enhanced lethality by methylxanthines in human bladder cancer cells treated with thiotepa. Fingert HJ, et al. **J Urol** 1984 Sep;132(3):609–13
Intravesical doxorubicin for prophylaxis in the management of recurrent superficial bladder carcinoma. Garnick MB, et al. **J Urol** 1984 Jan;131(1):43–6
Does intravesical chemotherapy prevent invasive bladder cancer? Green DF, et al. **J Urol** 1984 Jan;131(1):33–5
Long–term mitomycin C instillation after transurethral resection of superficial bladder carcinoma: influence on recurrence, progression and survival. Huland H, et al. **J Urol** 1984 Jul;132(1):27–9
Topical doxorubicin hydrochloride therapy for carcinoma in situ of the bladder: a followup. Jakse G, et al. **J Urol** 1984 Jan;131(1):41–2
New preoperative chemotherapy for bladder cancer using combination hemodialysis and direct hemoperfusion: preliminary report. Kamidono S, et al. **J Urol** 1984 Jan; 131(1):36–40
Adjuvant chemotherapy of superficial transitional cell bladder carcinoma: preliminary results of a European organization for research on treatment of cancer. Randomized trial comparing doxorubicin hydrochloride, ethoglucid and transurethral resection alone. Kurth KH, et al. **J Urol** 1984 Aug;132(2):258–62
Intravesical high dose 5–fluorouracil instillations combined with allopurinol—a therapeutic alternative in the treatment of multiple bladder tumors. Leissner KH, et al. **J Urol** 1984 Jul;132(1):34–6
Intravesical therapy of noninvasive bladder tumors (stage Ta) with doxorubicin and urokinase. Lundbeck F, et al. **J Urol** 1983 Dec;130(6):1087–9
Methotrexate in the treatment of metastatic and recurrent primary transitional cell carcinoma. Oliver RT, et al. **J Urol** 1984 Mar;131(3):483–5
Thiotepa–induced myelosuppression: review of 670 bladder instillations. Soloway MS, et al. **J Urol** 1983 Nov; 130(5):889–91
Intra–arterial cisplatin treatment of unresectable or medically inoperable invasive carcinoma of the bladder. Stewart DJ, et al. **J Urol** 1984 Feb;131(2):258–61
Studies of mitomycin C absorption after intravesical treatment of superficial bladder tumors. Wajsman Z, et al. **J Urol** 1984 Jul;132(1):30–3
Infusion of ifosphamide plus mesna [letter] Shaw IC, et al. **Lancet** 1984 Jun 16;1(8390):1353–4
Intravenous cis–platinum for invasive bladder cancer. Safety and feasibility of a new approach. Raghavan D, et al. **Med J Aust** 1984 Mar 3;140(5):276–8
Cytotoxics first for invasive bladder cancer. Sandeman TF. **Med J Aust** 1984 Mar 3;140(5):253–4
Trials of PIA (Cisplatin, Ifosfamide Adriamycin) therapy on bladder cancer. Minowa T, et al. **Nippon Ika Daigaku Zasshi** 1984 Feb;51(1):134–5
Lonidamine plus adriamycin versus adriamycin alone in the adjuvant treatment of recurrent papillary carcinomas of the urinary bladder. Giannotti P, et al. **Oncology** 1984;41 Suppl 1:104–7
Evaluation of chemotherapy in a murine model for bladder cancer. Murphy GP, et al. **Oncology** 1984;41(3):195–9
Intravesical chemotherapy in the management of superficial bladder tumors. Schulman CC. **Prog Clin Biol Res** 1984; 153:275–85 (21 ref.)
Rationale for intensive intravesical chemotherapy. Soloway MS. **Prog Clin Biol Res** 1984;153:287–95 (15 ref.)
The role of systemic chemotherapy in advanced bladder cancer. van Groeningen CJ, et al. **Prog Clin Biol Res** 1984; 153:381–93 (34 ref.)
Adjuvant chemotherapy in bladder cancer. Williams G. **Prog Clin Biol Res** 1984;153:373–80
Intravesical adriamycin therapy in carcinoma in situ of the urinary bladder. Ek A, et al. **Scand J Urol Nephrol** 1984; 18(2):131–4
Anticarcinoma activity in vivo of rhodamine 123, a mitochondrial–specific dye. Bernal SD, et al. **Science** 1983 Oct 14;222(4620):169–72
Chemotherapy for advanced urothelial cancer. Yagoda A. **Semin Urol** 1983 Feb;1(1):60–74 (84 ref.)
Cis–diamminedichloroplatinum activity in bidimensionally measurable metastatic lesions of bladder carcinoma. De Lena M, et al. **Tumori** 1984 Feb 29;70(1):85–8
Therapeutic effect of a retinoid (Ro 10–9359) on rats with bladder tumours induced by N–butyl–N–(4–hydroxybutyl)–nitrosamine upon administration alone or in combination with mitomycin C. Fujita J, et al. **Urol Res** 1983;11(5):227–30
Platinum analogs as potential new drugs for bladder cancer. Creaven PJ. **Urology** 1984 Mar;23(3 Suppl):54–60 (41 ref.)
Panel discussion: guidelines for planning, conducting, and monitoring clinical studies. Cutler SJ, et al. **Urology** 1984 Apr;23(4 Suppl):67–78
Chemotherapy in advanced urinary bladder cancer. Edsmyr F, et al. **Urology** 1984 Mar;23(3 Suppl):51–3
Intravesical chemotherapy of carcinoma in situ in bladder cancer. Edsmyr F, et al. **Urology** 1984 Mar;23(3 Suppl):37–9
Cisplatin as adjunctive treatment for invasive bladder carcinoma: tolerance and toxicities. Einstein AB Jr, et al. **Urology** 1984 Apr;23(4 Suppl):110–7
Intravesical chemotherapy for superficial bladder cancer.

Koontz WW Jr. **Urology** 1984 Apr;23(4 Suppl):79–81

Chemotherapy of murine bladder cancer: in vitro and in vivo. Niell HB, et al. **Urology** 1984 Apr;23(4 Suppl):124–8

Intravesical instillation of adriamycin in treatment of bladder cancer. A review. Pavone-Macaluso M, et al. **Urology** 1984 Mar;23(3 Suppl):40–7 (49 ref.)

Intravesical adriamycin therapy for bladder cancer. Long-term results. Pontes JE, et al. **Urology** 1984 Mar;23(3 Suppl):35–6

Systemic therapy for superficial bladder cancer. Soloway MS. **Urology** 1984 Apr;23(4 Suppl):88–93

Systemic chemotherapy of murine bladder cancer. Soloway MS, et al. **Urology** 1984 Apr;23(4 Suppl):129–34

Prophylactic long-term treatment of bladder tumors with oral chemotherapy (tegafur). Uyama T, et al. **Urology** 1984 Apr;23(4):367–9

Progress in chemotherapy for cancers of the urothelium. Yagoda A. **Urology** 1984 Apr;23(4 Suppl):118–23 (61 ref.)

[Blood and tissue levels of mitomycin C after intravesical instillation] Flüchter SH, et al. **Urol Int** 1983;38(6):321–8 (Eng. Abstr.) (Ger)

[Prevention of recurrence in non-invasive bladder carcinoma. Experiences with 400 patients] Burk K, et al. **Urologe [Ausg A]** 1983 Sep;22 Suppl:332–6 (Eng. Abstr.) (Ger)

[Adriamycin instillations in carcinoma in situ of the bladder] Edsmyr F, et al. **Urologe [Ausg A]** 1983 Sep;22 Suppl:337–41 (Eng. Abstr.) (Ger)

[Chemotherapy of bladder tumors. Indications and value of loco-regional and systemic application] Pavone-Macaluso M. **Urologe [Ausg A]** 1983 Sep;22 Suppl:325–31 (Eng. Abstr.) (Ger)

[Bleomycin in the treatment of squamous cell carcinoma of the penis and bladder] Rathert P. **Urologe [Ausg A]** 1983 Sep;22 Suppl:322–4 (Eng. Abstr.) (Ger)

[Stage P-1 primary neoplasia of the bladder. Critical evaluation of results obtained with the use of adriamycin and mitomycin C in the prevention of recurrences] Liberti M, et al. **Minerva Med** 1984 Feb 28;75(8):391–4 (Eng. Abstr.) (Ita)

[Combination chemotherapy of advanced transitional cell carcinoma with cis-platinum, cyclophosphamide, adriamycin and 5-fluorouracil (CISCAF)] Fujioka H, et al. **Gan To Kagaku Ryoho** 1984 Aug;11(8):1612–6 (Eng. Abstr.) (Jpn)

[Combination chemotherapy of mitomycin C and cytosine arabinoside in the intravesical treatment for superficial bladder tumors: report 2. Evaluation of prophylactic intravesical infusion therapy] Ikeuchi T, et al. **Gan To Kagaku Ryoho** 1984 Apr;11(4):858–63 (Eng. Abstr.) (Jpn)

[Combination chemotherapy of mitomycin C and cytosine arabinoside in superficial bladder tumors. 1. Evaluation of intravesical infusion therapy] Ikeuchi T, et al. **Gan To Kagaku Ryoho** 1983 Oct;10(10):2145–51 (Eng. Abstr.) (Jpn)

[Intravesical chemotherapy for superficial bladder tumors] Ohmori H. **Gan To Kagaku Ryoho** 1984 Aug;11(8):1557–62 (Eng. Abstr.) (Jpn)

[Combination of intra-arterial administration of anticancer agent and hemocarboperfusion in treatment of advanced cancer] Yamagata J, et al. **Gan To Kagaku Ryoho** 1983 Oct;10(10):2139–44 (Eng. Abstr.) (Jpn)

[Pathological changes associated with topical chemotherapy of adriamycin for bladder cancer] Fujioka T, et al. **Hinyokika Kiyo** 1983 Aug;29(8):869–73 (Eng. Abstr.) (Jpn)

[Clinical effect of UFT on urogenital tumors] Masuda F, et al. **Hinyokika Kiyo** 1984 Jan;30(1):81–5 (Eng. Abstr.) (Jpn)

[Clinical application of tegafur suppositories for bladder tumor] Mishina T, et al. **Hinyokika Kiyo** 1983 Aug; 29(8):969–77 (Eng. Abstr.) (Jpn)

[The effect of intravesical chemotherapy on superficial urinary bladder cancer] Moriyama M, et al. **Hinyokika Kiyo** 1983 Mar;29(3):351–5 (Eng. Abstr.) (Jpn)

[Treatment of tumors of the urinary bladder with so-called immunopotentiators] Tsujimura S, et al. **Hinyokika Kiyo** 1983 Jan;29(1):9–15 (Eng. Abstr.) (Jpn)

[Combination chemotherapy with adriamycin, carboquone and 5-Fu for bladder cancer] Uchibayashi T, et al. **Hinyokika Kiyo** 1983 Dec;29(12):1617–23 (Eng. Abstr.) (Jpn)

[Experimental and clinical studies on intravesical instillation therapy for bladder cancer] Yamanaka H, et al. **Hinyokika Kiyo** 1983 Nov;29(11):1427–32 (Eng. Abstr.) (Jpn)

[Study of combination chemotherapy with cytosine arabinoside in the intravesical treatment of superficial bladder tumors] Yoshida O, et al. **Hinyokika Kiyo** 1983 Mar;29(3):357–64 (Eng. Abstr.) (Jpn)

[Experimental intravesical treatment of bladder tumor with Concanavalin-A conjugated bleomycin] Akaza H, et al. **Nippon Hinyokika Gakkai Zasshi** 1984 Feb;75(2):211–4 (Eng. Abstr.) (Jpn)

[Clinical management of carcinoma in situ of the bladder. II. Cases of bladder instillation] Itatani H, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Aug;74(8):1412–7 (Eng. Abstr.) (Jpn)

[Invasiveness and metastasis of bladder cancer. 2. Prevention of postoperative metastasis by chemotherapy] Numasawa K, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Mar; 74(3):349–56 (Eng. Abstr.) (Jpn)

[Intracavitary instillation for bladder tumor with antitumor agent. 5th Report: Difference of the action of mitomycin C on normal bladder and tumor of the bladder (experimental and clinical study)] Ogawa H, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Apr;74(4):596–607 (Eng. Abstr.) (Jpn)

[Comparative study of thiotepa and adriamycin as preventive intravesical treatment in non-infiltrating bladder tumors] Lancina Martín JA, et al. **Actas Urol Esp** 1983 Jul-Aug; 7(4):269–74 (Eng. Abstr.) (Spa)

[Evaluation of the efficacy of intravesical cisplatin in superficial bladder tumors] Ojea A, et al. **Actas Urol Esp** 1984 May-Jun;8(3):217–20 (Eng. Abstr.) (Spa)

[Preliminary results of a randomized study between intravesical adriamycin and thio-tepa in the treatment of superficial tumors of bladder] Allona Moncada A, et al. **Arch Esp Urol** 1984 Mar-Apr;37(2):113–22 (Eng. Abstr.) (Spa)

ENZYMOLOGY

Urinary glucuronidase and arylsulfatases in identical twins of bladder cancer patients. Paigen B, et al. **Cancer Res** 1984 Aug;44(8):3624–6

Role of urinary beta-glucuronidase in human bladder cancer. Paigen K, et al. **Cancer Res** 1984 Aug;44(8):3620–3

Relationship of acetylator status to isoniazid toxicity, lupus erythematosus, and bladder cancer. Weber WW, et al. **Fed Proc** 1983 Nov;42(14):3086–97

[Lactate dehydrogenase] Sugita O. **Rinsho Byori** 1984 Apr; 32(4):357–62 (29 ref.) (Jpn)

[Arylsulfate sulfohydroxylase A (E.C.3.1.6.1.) in bladder urothelial tumors and the semiologic value of other lysosomal hydroxylases] Mayor JJ, et al. **Actas Urol Esp** 1984 Jan-Feb;8(1):11–20 (Spa)

ETIOLOGY

Urinary tract infection and risk of bladder cancer. Kantor AF, et al. **Am J Epidemiol** 1984 Apr;119(4):510–5

Bladder polyp and heavy proteinuria in a patient with Hodgkin's disease in remission. Chevalier RL, et al. **Cancer** 1984 Aug 15;54(4):777–9

A case-control study of bladder-cancer. A multivariate, stratified analysis of a low-risk population. Mommsen S, et al. **Dan Med Bull** 1983 Nov;30(6):427–32

Coffee drinking and bladder cancer. Hopkins J. **Food Chem Toxicol** 1984 Jun;22(6):481–3

Bladder cancer and smoking in males: types of cigarettes, age at start, effect of stopping and interaction with occupation. Vineis P, et al. **Int J Cancer** 1984 Aug 15; 34(2):165–70

Involvement of the genitourinary system in multiple primary malignant neoplasms: a review. Ray P, et al. **J Clin Oncol** 1983 Sep;1(9):574–81 (152 ref.)

Cigarette smoking and bladder cancer: an epidemiological inquiry in West Yorkshire. Cartwright RA, et al. **J Epidemiol Community Health** 1983 Dec;37(4):256–63

Nephrogenic adenoma of the bladder after kidney transplantation: spontaneous improvement with azathioprine removal; surgical trauma and cytomegalovirus infection as possible etiologic factors. Beaudry C, et al. **J Urol** 1983 Dec;130(6):1183–5

An international study of smoking and bladder cancer. Morrison AS, et al. **J Urol** 1984 Apr;131(4):650–4

Use of job-exposure matrix in an occupational analysis of lung and bladder cancers on the basis of death certificates. Coggon D, et al. **JNCI** 1984 Jan;72(1):61–5

Multi-stage tumour development in the urinary bladder. Hicks RM. **Prog Clin Biol Res** 1983;132B:205–18

Using epidemiology to regulate food additives: saccharin case-control studies. Cordle F, et al. **Public Health Rep** 1984 Jul-Aug;99(4):365–9

[Bladder bilharzioma and carcinoma in a bilharzial bladder] Pieron R, et al. **Sem Hop Paris** 1983 Oct 6;59(35):2479–82 (Eng. Abstr.) (Fre)

[The risk of cancer in neuropathic bladders] Eichhorn F, et al. **Urol Int** 1984;39(2):105–9 (Eng. Abstr.) (Ger)

FAMILIAL & GENETIC

Cytogenetic analysis of 62 transitional cell bladder carcinomas. Granberg-Ohman I, et al. **Cancer Genet Cytogenet** 1984 Jan;11(1):69–85

Nuclear pores and DNA ploidy in human bladder carcinomas. Czerniak B, et al. **Cancer Res** 1984 Sep; 44(9):3752–6

Nonrandom chromosomal changes in transitional cell carcinoma of the bladder. Gibas Z, et al. **Cancer Res** 1984 Mar;44(3):1257–64

Detection of a molecular complex between ras proteins and transferrin receptor. Finkel T, et al. **Cell** 1984 Apr; 36(4):1115–21

Cell surface glycolipids of transformed NIH 3T3 cells transfected with DNAs of human bladder and lung carcinomas. Tsuchiya S, et al. **EMBO J** 1983;2(12):2323–6

Characterization of a human transforming gene isolated from T24 bladder carcinoma cells. Santos E, et al. **Fed Proc** 1984 May 15;43(8):2280–6

In vivo amplification and rearrangement of the c-Ha-ras-1 sequence in a human bladder carcinoma. Hayashi K, et al. **Gann** 1983 Dec;74(6):798–801

The association of the slow acetylator phenotype with bladder cancer. Evans DA, et al. **J Med Genet** 1983 Oct; 20(5):330–3

Cytogenetic analysis of urologic malignancies: study of tumor colony forming cells and premature chromosome condensation. Trent JM, et al. **J Urol** 1984 Jan; 131(1):146–51

Ha-ras oncogenes are activated by somatic alterations in human urinary tract tumours. Fujita J, et al. **Nature** 1984 May 31-Jun 6;309(5967):464–6

The oncogene of a human bladder carcinoma. Parada LF, et al. **Prog Nucleic Acid Res Mol Biol** 1983;29:269–72

DNA aberrations of bladder mucosa in patients with transitional cell carcinomas. Høstmark JG, et al. **Scand J Urol Nephrol** 1984;18(2):113–20

A molecular basis of cancer. Weinberg RA. **Sci Am** 1983 Nov;249(5):126–42

Chromosomal rearrangements in bladder cancer. Gibas Z, et al. **Urology** 1984 Mar;23(3 Suppl):3–9 (32 ref.)

[Genetic markers in papillary cancer of the bladder] Dimopoulos MA, et al. **J Urol (Paris)** 1983;89(9):693–4 (Eng. Abstr.) (Fre)

[Chromosomal analysis of primary superficial tumors of the bladder] Martorana G, et al. **J Urol (Paris)** 1983; 89(7):489–92 (Eng. Abstr.) (Fre)

HISTORY

Landmark perspective: Bladder neoplasms. Murphy GP. **JAMA** 1983 Sep 9;250(10):1326

IMMUNOLOGY

Blood group antigens in urothelium in transitional cell carcinoma. Giraldo AA, et al. **Ann Clin Lab Sci** 1983 Jul-Aug;13(4):307–14

Potential value of antisera to epithelial membrane antigen in detecting early invasion in transitional cell carcinoma. Pocock RD, et al. **Br J Urol** 1983 Dec;55(6):670–5

Humoral and cellular immune reactions against tumor cells in patients with urinary bladder carcinoma. Correlation between direct and antibody-dependent cell-mediated cytotoxicity. Hansson Y, et al. **Cancer Immunol Immunother** 1983;16(1):23–9

Human tumour-induced inhibition of interferon action in vitro: reversal of inhibition by beta-carotene (pro-vitamin A). Rhodes J, et al. **Cancer Immunol Immunother** 1984; 16(3):189–92

Heightened interferon-gamma production by mononuclear cells from bladder cancer patients. Shapiro A, et al. **Cancer Res** 1984 Jul;44(7):3140–3

Macrophage depletion and manipulation of enhanced immune response in an animal model of bladder cancer. Droller MJ, et al. **Cell Immunol** 1984 Feb;83(2):433–41

Suppression of granulocyte-macrophage colony formation in vitro by conditioned medium derived from human bladder cancer cells. Fujita J, et al. **Gann** 1983 Oct; 74(5):671–8

A proliferation-associated rat cell surface antigen recognized by a murine monoclonal antibody. Hashimoto Y, et al. **Gann** 1983 Dec;74(6):819–21

Immunological studies of patients with tumours of the prostate and bladder (a retrospective analysis). Romics I, et al. **Int Urol Nephrol** 1983;15(4):339–45

Altered cell surface antigen expression in bladder carcinoma detected by a new hemagglutinating monoclonal antibody. Rearden A, et al. **J Immunol** 1983 Dec;131(6):3073–7

ABH cell surface isoantigens in invasive bladder carcinoma associated with schistosomiasis. El Adl MM, et al. **J Urol** 1984 Feb;131(2):249–51

Immune complexes in urine and serum of patients with bladder cancer. Babaian RJ, et al. **J Urol** 1984 Mar; 131(3):463–6

Murine hybridoma antibodies against human transitional carcinoma-associated antigens. Messing EM, et al. **J Urol** 1984 Jul;132(1):167–72

The effect of tumor burden on the modulation of natural killer cell activity. Morales A, et al. **J Urol** 1984 Jun; 131(6):1229–31

ABO (H) blood group antigens and carcinoembryonic antigens as indicators of malignant potential in patients with transitional cell carcinoma of the bladder. Nakatsu H, et al. **J Urol** 1984 Feb;131(2):252–7

ABO(H) isoantigens in bladder tumors: a new technique of quantitative analysis. Srinivas V, et al. **J Urol** 1984 Feb; 131(2):245–8

Monoclonal antibodies against cell surface antigens present on human urinary bladder cancer cells. Masuko T, et al. **JNCI** 1984 Mar;72(3):523–30

Human renal antigen defined by a murine monoclonal antibody. Tagliabue E, et al. **JNCI** 1984 Aug;73(2):363–9

Cell surface antigens of human bladder cancer defined by mouse monoclonal antibodies. Fradet Y, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(1):224–8

Tissue blood group ABH and Thomsen-Friedenreich antigens in human urinary bladder carcinoma. Weinstein RS, et al. **Prog Clin Biol Res** 1984;153:249–60 (41 ref.)

T4-labeling technique and its applications with particular reference to blood group antigens in bladder tumors. Kumon H, et al. **Scan Electron Microsc** 1983;(Pt 2):939–48

Rapid peroxidase-antiperoxidase method for determination of ABH tissue isoantigens. Gavris V, et al.

Stain Technol 1983 Mar;58(2):114–7

HLA–A, B and DR in Caucasians with transitional cell carcinoma of the bladder. Saunders PH, et al. **Tissue Antigens** 1983 Nov;22(5):389–92

Significance of plasma tissue polypeptide antigen determination for diagnosis and follow–up of urothelial bladder cancer. Adolphs HD, et al. **Urol Res** 1984; 12(2):125–8

Correlation of ABH antigenicity and urine cytology results in transitional cell carcinoma of bladder. Gorelick JI, et al. **Urology** 1984 Sep;24(3):287–90

Double blind comparison of T–antigen and ABO(H) cell surface antigens in bladder cancer. Vafier JA, et al. **Urology** 1984 Apr;23(4):348–51

[ABO(H) cell surface antigens in carcinoma of urinary bladder: its correlation with grade, stage and clinical course] Dong SG. **Chung Hua Wai Ko Tsa Chih** 1983 Sep; 21(9):513–6 (Eng. Abstr.) **(Chi)**

[The specific erythrocyte adherence method in the study of ABH antigens on normal and neoplastic bladder epithelium] Ongaro G, et al. **Quad Sclavo Diagn** 1983 Jun; 19(2):242–61 (Eng. Abstr.) **(Ita)**

[The study of infiltrating lymphocytes in the tissues of bladder carcinoma] Fujimoto Y, et al. **Hinyokika Kiyo** 1983 Sep;29(9):1037–45 (Eng. Abstr.) **(Jpn)**

[T–cell bearing IgG–Fc receptor in patients with bladder cancer] Sakai S, et al. **Hinyokika Kiyo** 1983 Dec; 29(12):1625–9 (Eng. Abstr.) **(Jpn)**

[Histopathological studies on bladder carcinoma. 2: Role of local lymph follicle and immunoblast cells] Yasumoto R, et al. **Hinyokika Kiyo** 1983 Aug;29(8):879–83 (Eng. Abstr.) **(Jpn)**

[Antigenic relationship between the chemically–induced mouse bladder tumor and Corynebacterium parvum] Fujioka T. **Nippon Hinyokika Gakkai Zasshi** 1983 Apr; 74(4):560–5 (Eng. Abstr.) **(Jpn)**

[Detection of blood–group antigens in the cancerous bladder tissues by the peroxidase–antiperoxidase method] Fujioka T. **Nippon Hinyokika Gakkai Zasshi** 1983 Mar;74(3):379–83 (Eng. Abstr.) **(Jpn)**

[ABH isoantigen of superficial urothelial tumor and carcinoma in situ of the bladder by the avidin–biotin peroxidase complex(ABC) method] Sasaki K. **Nippon Hinyokika Gakkai Zasshi** 1983 Aug;74(8):1326–38 (Eng. Abstr.) **(Jpn)**

[Carcinoma in situ of the urinary bladder: clinical experience and preliminary study of Thomsen–Friedenreich antigen] Sasaki K, et al. **Nippon Hinyokika Gakkai Zasshi** 1984 Feb; 75(2):269–77 (Eng. Abstr.) **(Jpn)**

[Study on the thymic lymphocytes in the rats treated with bladder cancer–inducing BBN—in vitro effect of the thymus humoral factor] Wada S. **Nippon Hinyokika Gakkai Zasshi** 1983 May;74(5):821–33 (Eng. Abstr.) **(Jpn)**

[Immunologic indices of patients with transitional cell carcinoma of the urinary bladder] Bkhatta AD, et al. **Urol Nefrol (Mosk)** 1984 Mar–Apr;(2):67–70 (46 ref.) **(Rus)**

[Effect of serum from bladder carcinoma patients on cell–mediated immunity] Aranda E, et al. **Rev Clin Esp** 1983 Nov 30;171(4):245–9 (Eng. Abstr.) **(Spa)**

METABOLISM

Nephrogenic adenoma and embryonic kidney tubules share PNA receptor sites. Devine P, et al. **Am J Clin Pathol** 1984 Jun;81(6):728–32

Phosphoproteins altered by antiproliferative doses of human interferon– beta in a human bladder carcinoma cell line. Soslau G, et al. **Biochem Biophys Res Commun** 1984 Mar 30;119(3):941–8

Peanut lectin binding sites in transitional cell carcinoma of the urinary bladder. Lehman TP, et al. **Cancer** 1984 Jan 15;53(2):272–7

Chromosomal and DNA patterns in transitional cell bladder carcinoma. A comparative cytogenetic and flow–cytofluorometric DNA study. Wijkström H, et al. **Cancer** 1984 Apr 15;53(8):1718–23

Genetically determined debrisoquine oxidation capacity in bladder cancer. Cartwright RA, et al. **Carcinogenesis** 1984 Sep;5(9):1191–2

Up–regulation of insulin receptors with dexamethasone in cultured human urinary bladder carcinoma cells. Sorimachi K, et al. **Endocrinol Jpn** 1983 Dec;30(6):723–9

The value of urinary cytology, serum and urinary carcinoembryonic antigen, rheumatoid factors, and urinary immunoglobulin concentration as tumor markers or prognostic factors in predicting progression of superficial bladder cancer. Huland H, et al. **Eur Urol** 1983;9(6):346–9

Cellular binding of hematoporphyrin derivative in human bladder cancer cell lines: KK–47. Miyoshi N, et al. **Photochem Photobiol** 1984 Mar;39(3):359–63

The topical use of misonidazole in bladder cancer. Awwad HK, et al. **Prog Clin Biol Res** 1983;132D:305–16

Cellular uptake of hematoporphyrin derivative in KK–47 bladder cancer cells. Hisazumi H, et al. **Urol Res** 1984; 12(2):143–6

Distribution of concanavalin A binding sites on normal human urinary bladder mucosa and bladder tumors by transmission and scanning electron microscopy and X–ray microanalysis. Takayama H. **Urol Res** 1984;12(2):135–41

[Significance of urinary hyaluronate assays in the detection of bladder carcinoma. I. Production of hyaluronate by established cell lines from human bladder carcinoma in vitro] Baba S. **Nippon Hinyokika Gakkai Zasshi** 1983 Aug; 74(8):1352–61 (Eng. Abstr.) **(Jpn)**

[Embryonal rhabdomyosarcoma of the urinary bladder—immuno–histochemical investigation on myoglobin] Kataoka H, et al. **Rinsho Byori** 1984 Apr; 32(4):399–403 **(Jpn)**

[Use of lymphocytic DNA by the urothelium of bladder tumors] Sapritskil AV. **Biull Eksp Biol Med** 1984 Jul; 97(7):73–4 (Eng. Abstr.) **(Rus)**

MORTALITY

Short–term prognosis of bladder cancer. Evaluation with urinary CEA. Holmberg V, et al. **Anticancer Res** 1984 May–Jun;4(3):121–2

Estimation of changes in bladder cancer mortality and prevalence of diagnosed cases. Ellwein LB, et al. **Urology** 1984 Apr;23(4 Suppl):135–42

Squamous carcinoma of urinary bladder. Tannenbaum SI, et al. **Urology** 1983 Dec;22(6):597–9

[Recurrence and survival following operations for bladder tumors] Kondás J, et al. **Orv Hetil** 1984 Jan 29;125(5):263–7 (Eng. Abstr.) **(Hun)**

[Survival of patients with bladder transitional cell carcinoma: comparative study of prognosis in various stages] Kagawa S, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Oct; 74(10):1789–95 (Eng. Abstr.) **(Jpn)**

[Descriptive epidemiologic study of mortality in malignant tumors of the bladder and other urinary organs in Spain 1951–1978] Sáiz Sánchez C, et al. **Arch Esp Urol** 1983 Nov–Dec;36(6):403–13 (Eng. Abstr.) **(Spa)**

OCCURRENCE

Case–control study of bladder cancer in New Jersey. I. Occupational exposures in white males. Schoenberg JB, et al. **JNCI** 1984 May;72(5):973–81

Seasonal variations of symptoms and occurrence of human bladder carcinomas. Høstmark JG, et al. **Scand J Urol Nephrol** 1984;18(2):107–11

An epidemiological study of bladder cancer in a predominantly rural district. Mommsen S, et al. **Scand J Urol Nephrol** 1983;17(3):307–12

Clinical features of urachal carcinoma in Japan: review of 157 patients. Ghazizadeh M, et al. **Urol Res** 1983; 11(5):235–8

PATHOLOGY

Primary carcinomas of urinary bladder diverticula. Shirai T, et al. **Acta Pathol Jpn** 1984 Mar;34(2):417–24

Ploidy aberrations and agar cloning ability of malignant cells from human bladder carcinoma. Høstmark J, et al. **Anticancer Res** 1984 May–Jun;4(3):113–6

Prolapse of fallopian tube into urinary bladder, mimicking bladder carcinoma [letter] Anastasiades KD, et al. **Arch Pathol Lab Med** 1983 Nov;107(11):613–4

Prognostic significance of biopsy results of normal–looking mucosa in cases of superficial bladder cancer. Smith G, et al. **Br J Urol** 1983 Dec;55(6):665–9

Spontaneous resolution of multiple bladder neoplasms. Staff WG, et al. **Br J Urol** 1984 Feb;56(1):50–3

The relationship between non–invasive papillary lesions and invasive bladder carcinoma. Brawn PN. **Cancer** 1984 Aug 15;54(4):620–3

Primary signet–ring cell carcinoma of the urinary bladder. Choi H, et al. **Cancer** 1984 May 1;53(9):1985–90

Predictive value of excretory urography, ultrasonography, computerized tomography, and liver and bone scan in the staging of bilharzial bladder cancer in Saudi Arabia. Hanash KA, et al. **Cancer** 1984 Jul 1;54(1):172–6

The grade and pathologic stage of bladder cancer. Kern WH. **Cancer** 1984 Mar 1;53(5):1185–9

Urinary cytology and bladder cancer. The cellular features of transitional cell neoplasms. Murphy WM, et al. **Cancer** 1984 Apr 1;53(7):1555–65

Primary choriocarcinoma of the urinary bladder. Report of a case with probable epithelial origin. Obe JA, et al. **Cancer** 1983 Oct 15;52(8):1405–9 (33 ref.)

Proliferative Brenner tumor or ovarian metastases? A case report. Svenes KB, et al. **Cancer** 1984 Jun 15;53(12):2692–7

Expression of Ca antigen in relation to cell cycle in cultured human tumor cells. Czerniak B, et al. **Cancer Res** 1984 Oct; 44(10):4342–6

Irreversibility of low–grade superficial rat bladder carcinomas. Ozono S, et al. **Cancer Res** 1984 Oct; 44(10):4260–2

Inhibition of mouse bladder tumor proliferation by murine interferon–gamma and its synergism with interferon–beta. Ratliff TL, et al. **Cancer Res** 1984 Oct;44(10):4377–81

Characterization of a human, sex steroid–responsive transitional cell carcinoma maintained as a tumor line (R198) in athymic nude mice. Reid LM, et al. **Cancer Res** 1984 Oct;44(10):4560–73

Carcinoembryonic antigen in cytological specimens of urothelial carcinoma. Holmberg V, et al. **Cytometry** 1984 Jul;5(4):437–41

Characterization of ploidy level in bladder tumors and selected site specimens by flow cytometry. Jakobsen A, et al. **Cytometry** 1983 Sep;4(2):170–3

Accuracy of lymphography in staging of prostatic and bladder carcinoma: 88 cases with aspirative cytological and postlymphadenectomy histological verification. Taddei L, et al. **Diagn Imag Clin Med** 1984;53(2):91–8

Inverted papilloma of the bladder. A report of 10 cases. Aubert J, et al. **Eur Urol** 1984;10(1):24–7

The value of histologic grading and staging, random biopsies, tumor and bladder mucosa blood group antigens, in predicting progression of superficial bladder cancer. Huland H, et al. **Eur Urol** 1984;10(1):28–31

Soft–agar cultures of transitional cell carcinoma colonies from urine, irrigation fluids and tumor samples. Kirkels WJ, et al. **Eur Urol** 1983;9(5):300–4

The value of preoperative classification according to the TNM system. A critical examination of Category T2 in 96 patients with grade 3 transitional cell bladder carcinoma subjected to preparative irradiation and cystectomy. Wijkström H, et al. **Eur Urol** 1984;10(2):101–6

Primary choriocarcinoma of the urinary bladder in association with undifferentiated carcinoma. Gallagher L, et al. **Hum Pathol** 1984 Aug;15(8):793–5

Flow cytometry of urinary bladder irrigation specimens. Melamed MR, et al. **Hum Pathol** 1984 Apr;15(4):302–5

The ability of normal mouse cells to reduce the malignant potential of transformed mouse bladder epithelial cells depends on their somatic origin. Cowell JK, et al. **Int J Cancer** 1984 May 15;33(5):657–67

Biopsy of apparently normal bladder mucosa in patients with bladder carcinoma and its prognostic importance. Ozen H, et al. **Int Urol Nephrol** 1983;15(4):327–32

Primary choriocarcinoma of the bladder evolving from a transitional cell carcinoma. Dennis PM, et al. **J Clin Pathol** 1984 May;37(5):503–5

Tumour–associated eosinophilia in the bladder. Lowe D, et al. **J Clin Pathol** 1984 May;37(5):500–2

Paraganglioma of the urinary bladder. Hsueh YS, et al. **J Indiana State Med Assoc** 1983 Nov;76(11):768–9

Paths to progress III. Quantitative Morphometric Analysis Laboratory. Hemstreet G. **J Okla State Med Assoc** 1984 Jul;77(7):202–3

Simultaneous occurrence of adenocarcinoma and transitional cell carcinoma as two separate primary tumors in the bladder. Wiener M, et al. **J Surg Oncol** 1984 Jan;25(1):48–9

Schistosomiasis and bladder carcinoma in southern Iraq. Al Adnani MS, et al. **J Trop Med Hyg** 1983 Jun;86(3):93–7

Relationship of leukoplakia to urothelial malignancy. Benson RC Jr, et al. **J Urol** 1984 Mar;131(3):507–11

Lymphography and percutaneous fine needle node aspiration biopsy in the staging of bladder carcinoma. Boccon Gibod L, et al. **J Urol** 1984 Jul;132(1):24–6

Antiproliferative activities of interferons against human bladder carcinoma cell lines in vitro. Borden EC, et al. **J Urol** 1984 Oct;132(4):800–3

Ploidy disturbance of normal–appearing bladder mucosa in patients with urothelial cancer: relationship to morphology. Farsund T, et al. **J Urol** 1983 Dec;130(6):1076–82

UM–UC–1 and UM–UC–2: characterization of two new human transitional cell carcinoma lines. Grossman HB, et al. **J Urol** 1984 Oct;132(4):834–7

Invasive bladder cancer: tumor configuration, lymphatic invasion and survival. Heney NM, et al. **J Urol** 1983 Nov; 130(5):895–7

Superficial bladder cancer: progression and recurrence. Heney NM, et al. **J Urol** 1983 Dec;130(6):1083–6

Analysis of 90 step–sectioned cystectomized specimens of bladder cancer. Kakizoe T, et al. **J Urol** 1984 Mar; 131(3):467–72

Carcinosarcoma of the bladder. Kusaba Y, et al. **J Urol** 1984 Jan;131(1):118–9

Surveillance of stage O, grade I bladder cancer by cytology alone—is it acceptable? Morrison DA, et al. **J Urol** 1984 Oct;132(4):672–4

Nephrogenic adenoma of bladder: a report of 8 cases. Ritchey ML, et al. **J Urol** 1984 Mar;131(3):537–9

Mesonephric adenocarcinoma of the bladder. Schultz RE, et al. **J Urol** 1984 Aug;132(2):263–5

Verapamil enhancement of chemotherapeutic efficacy in human bladder cancer cells. Simpson WG, et al. **J Urol** 1984 Sep;132(3):574–6

The association of inverted papilloma and transitional cell carcinoma of the urothelium. Stein BS, et al. **J Urol** 1984 Apr;131(4):751–2

Evaluation of bladder washings and urine cytology in the diagnosis of bladder cancer and its correlation with selected biopsies of the bladder mucosa. Zein T, et al. **J Urol** 1984 Oct;132(4):670–1

Bladder tumours – a review of 150 patients treated at the Institute of Urology and Nephrology General Hospital Kuala Lumpur. Mahamooth Z, et al. **Med J Malaysia** 1983 Mar;38(1):4–8

Value of quantitative cytologic studies in the grading of papillary tumors of human urinary bladder. Olinici CD, et al. **Morphol Embryol (Bucur)** 1983 Jul–Sep;29(3):187–9

Urinary cytology of rhabdomyosarcoma in children. Report of two cases located in the urinary bladder and in the prostate. Mincione GP, et al. **Pathologica** 1983 Nov–Dec; 75(1040):797–801

Carcinoma of the urachus. Hayman J. **Pathology** 1984 Apr; 16(2):167–71

Ultrasonography and computed tomography in the staging of bladder and prostate cancers. Denis L, et al. **Prog Clin Biol Res** 1984;153:3–21

Herald lesion of the urinary bladder. Nielsen K, et al. **Scand J Urol Nephrol** 1984;18(2):173–5

Diagnosis, staging, and classification of bladder tumors.

Cummings KB. **Semin Urol** 1983 Feb;1(1):7–14

Penile metastases secondary to bladder cancer. Review of the literature. Haddad FS. **Urol Int** 1984;39(3):125–42 (62 ref.)

Hematologic neoplasms with initial manifestations in lower urinary tract. Chaitin BA, et al. **Urology** 1984 Jan; 23(1):35–42

Clinical versus pathologic staging and the classification of bladder cancer. Cummings KB. **Urology** 1984 Apr;23(4 Suppl):55–62 (35 ref.)

Histopathology of bladder cancer and dysplasia. Englander LS. **Urology** 1984 Mar;23(3 Suppl):27–8

Cytologic spectrum of bladder cancer. Gamarra MC, et al. **Urology** 1984 Mar;23(3 Suppl):23–6

Tumor morphometry as prognostic factor in T1 and T2 bladder cancer. Goudarzi HA, et al. **Urology** 1984 Feb; 23(2):205–7

Carcinosarcoma. Guirguis AB, et al. **Urology** 1983 Nov; 22(5):553–5

Verrucous carcinoma of urinary bladder. Holck S, et al. **Urology** 1983 Oct;22(4):435–7

Paraganglioma of urinary bladder. Juraschek F, et al. **Urology** 1983 Dec;22(6):659–63

Proliferative activity of urothelium and tumors of renal pelvis, ureter, and urinary bladder evaluated by thymidine labeling. Sufrin G, et al. **Urology** 1984 Mar;23(3 Suppl):15–22

Mucinous adenocarcinoma of bladder. Case associated with extensive intestinal metaplasia of urothelium in patient with nonfunctioning bladder for twelve years. Young RH, et al. **Urology** 1984 Aug;24(2):192–5

Karyometric investigations on urinary bladder carcinoma, correlated to histopathological grading. Helander K, et al. **Virchows Arch [A]** 1984;403(2):117–25

[Sarcoma of the bladder] Dachev I. **Khirurgiia (Sofiia)** 1984; 37(3):233–4 **(Bul)**

[Primary carcinoid argentaffin tumor of the bladder—a case report] Jia XS. **Chung Hua Chung Liu Tsa Chih** 1984 Mar; 6(2):153 (Eng. Abstr.) **(Chi)**

[A very unusual tumor: inverted papilloma of the bladder] Aubert J, et al. **J Urol (Paris)** 1983;89(7):483–8 (Eng. Abstr.) **(Fre)**

[Value of bladder washing cytology in the diagnosis and follow-up of bladder tumors] Maier U. **Urol Int** 1983; 38(5):267–70 (Eng. Abstr.) **(Ger)**

[Importance of computerized tomography in staging bladder tumors] Bartels KD, et al. **Urologe [Ausg A]** 1983 Sep;22 Suppl:342–6 (Eng. Abstr.) **(Ger)**

[Inverted urothelial papilloma] Gläser M, et al. **Urologe [Ausg A]** 1983 Sep;22 Suppl:382–7 (Eng. Abstr.) **(Ger)**

[Value of intravesical ultrasound tomography and computer tomography in the evaluation of the depth of infiltration of bladder tumors] Rothauge CF, et al. **Urologe [Ausg A]** 1984 Mar;23(2):117–20 (Eng. Abstr.) **(Ger)**

[Malignancy grading of bladder carcinoma based on cytology] Stöber U, et al. **Urologe [Ausg A]** 1984 Jan; 23(1):61–4 (Eng. Abstr.) **(Ger)**

[Clinical significance of the degree of malignancy in transitional epithelioma of the urinary bladder] Stöber U. **Urologe [Ausg A]** 1984 May;23(3):167–70 (Eng. Abstr.) **(Ger)**

[Histological and autoradiographic studies of the objective characterization of the degree of dysplasia in the urothelium] Blume B, et al. **Zentralbl Allg Pathol** 1984; 129(1):21–6 (Eng. Abstr.) **(Ger)**

[Diagnosis, prognosis and therapeutic results in urothelial dysplasia in patients with bladder cancer] Csapó Z, et al. **Orv Hetil** 1984 Jul 29;125(31):1875–8, 1881 (Eng. Abstr.) **(Hun)**

[Primary planocellular cancer of the bladder] Kondás J. **Orv Hetil** 1983 Aug 7;124(32):1931–6 (Eng. Abstr.) **(Hun)**

[Transabdominal echotomography in the staging of tumors of the bladder] Ballerini G, et al. **Radiol Med (Torino)** 1983 Nov;69(11):855–8 (Eng. Abstr.) **(Ita)**

[Squamous cell carcinoma of the bladder—report of two cases] Takai K, et al. **Gan No Rinsho** 1984 Jun;30(7):860–4 (Eng. Abstr.) **(Jpn)**

[Problems in urinary bladder cancer in the aged] Yokokawa M, et al. **Gan No Rinsho** 1983 Aug;29(10):1151–4 (Eng. Abstr.) **(Jpn)**

[Antitumor activity of schizophyllan (SPG) against syngeneic ACI/N rat tumor, AMC-60 fibrosarcoma and BC-47 bladder cancer] Mitani M, et al. **Gan To Kagaku Ryoho** 1984 Sep;11(9):1809–17 (Eng. Abstr.) **(Jpn)**

[A case of paraganglioma of the urinary bladder] Deguchi T, et al. **Hinyokika Kiyo** 1983 Apr;29(4):433–9 (Eng. Abstr.) **(Jpn)**

[Percutaneous transabdominal fine needle aspiration of regional lymph nodes in genitourinary cancer] Hoshi S, et al. **Hinyokika Kiyo** 1983 Nov;29(11):1411–7 (Eng. Abstr.) **(Jpn)**

[Inverted urothelial papilloma and resembling tumors] Kawachi Y, et al. **Hinyokika Kiyo** 1984 May;30(5):621–6 (Eng. Abstr.) **(Jpn)**

[Histological study of urinary bladder tumor: DNA of rat urinary bladder tumor caused by N-butyl-N-(4-hydroxybutyl) nitrosamine and that of human bladder tumor] Murase T, et al. **Hinyokika Kiyo** 1983 Mar;29(3):303–10 (Eng. Abstr.) **(Jpn)**

[A case of leiomyoma of the urinary bladder in a woman with the chief complaint of total urinary retention] Nishimura K, et al. **Hinyokika Kiyo** 1984 Jan;30(1):41–8 (Eng. Abstr.) **(Jpn)**

[A case of carcinoma of the bladder diverticulum] Okamura T, et al. **Hinyokika Kiyo** 1983 Jan;29(1):67–72 (Eng. Abstr.) **(Jpn)**

[A case of leiomyoma of the urinary bladder] Omae H, et al. **Hinyokika Kiyo** 1983 Dec;29(12):1641–5 (Eng. Abstr.) **(Jpn)**

[Chemosensitivity of KK-47 bladder cancer cells and KN-41 renal cancer cells heterotransplanted in nude mice] Koizumi H. **Nippon Hinyokika Gakkai Zasshi** 1983 May; 74(5):704–18 (Eng. Abstr.) **(Jpn)**

[A clinicopathological study on urinary bladder cancer. Relation of pathological characteristics to prognosis after total cystectomy] Kuroda M. **Nippon Hinyokika Gakkai Zasshi** 1984 Mar;75(3):379–90 (Eng. Abstr.) **(Jpn)**

[Analysis of cases with superficial bladder cancer with follow-up for more than 5 years] Maru A, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 May;74(5):798–807 (Eng. Abstr.) **(Jpn)**

[A clinico-pathological study of 181 cases with primary bladder tumor] Sasaki S, et al. **Nippon Hinyokika Gakkai Zasshi** 1984 Mar;75(3):391–403 (Eng. Abstr.) **(Jpn)**

[Case of clear cell adenocarcinoma of the bladder] Sugao H, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Aug; 74(8):1447–52 (Eng. Abstr.) **(Jpn)**

[Chemosensitivity in established human bladder carcinoma and HELA cell lines in vitro] Uchibayashi T. **Nippon Hinyokika Gakkai Zasshi** 1983 Sep;74(9):1606–20 (Eng. Abstr.) **(Jpn)**

[In vitro sensitivity of human bladder cancer cell lines to various sex steroid hormones—effect of estradiol-17 beta on T24 cells and 253J cells] Yoshimoto J. **Nippon Hinyokika Gakkai Zasshi** 1983 Jun;74(6):897–906 (Eng. Abstr.) **(Jpn)**

[A case of skull and dural metastases of carcinoid tumor of the urinary bladder] Murayama K, et al. **No Shinkei Geka** 1983 Jun;11(6):643–9 (Eng. Abstr.) **(Jpn)**

[Rare case of carcinoid of the urinary bladder] Kumanov Kh, et al. **Khirurgiia (Sofiia)** 1983;36(6):563–4 **(Rus)**

[Value and possibilities of the cytological study of alcohol washings for the diagnosis of cancer of the bladder] Nechiporenko NA, et al. **Lab Delo** 1983;(9):10–4 (Eng. Abstr.) **(Rus)**

[Pheochromocytoma of the bladder] Iasinskiĭ BV, et al. **Urol Nefrol (Mosk)** 1984 May-Jun;(3):64–5 **(Rus)**

[Bladder adenocarcinoma] Minervini R, et al. **Arch Esp Urol** 1983 May-Jun;36(3):187–91 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Comparison of growth of human bladder cancer in tissue culture or as xenografts with clinical and pathological characteristics. Kovnat A, et al. **Cancer Res** 1984 Jun; 44(6):2530–3

Morphological, biological, and biochemical characteristics of human bladder transitional cell carcinomas grown in tissue culture and in nude mice. Kyriazis AA, et al. **Cancer Res** 1984 Sep;44(9):3997–4005

Technical factors affecting the reproducibility of intravesical mouse bladder tumor implantation during therapy with Bacillus Calmette-Guérin. Shapiro A, et al. **Cancer Res** 1984 Jul;44(7):3051–4

Possible mechanistic roles of anatomical and functional vascular changes in rat urinary bladder carcinogenesis induced by N-butyl-N-(4-hydroxybutyl)nitrosamine. Tatematsu M, et al. **Cancer Res** 1984 Jan;44(1):278–84

A general probabilistic model of carcinogenesis: analysis of experimental urinary bladder cancer. Greenfield RE, et al. **Carcinogenesis** 1984 Apr;5(4):437–45

Giant cell formation in bladder tumor cells following hematoporphyrin derivative-sensitized photoirradiation. Bellnier DA, et al. **Photochem Photobiol** 1984 Mar; 39(3):425–8

PREVENTION & CONTROL

Effects of intravesical instillation of antitumor drugs on the induction of preneoplastic bladder lesions in rats. Ohtani M, et al. **Cancer Chemother Pharmacol** 1983;11 Suppl:S64–6

Prevention of cyclophosphamide-induced carcinogenesis in the urinary bladder of rats by administration of mesna. Schmähl D, et al. **Cancer Treat Rev** 1983 Sep;10 Suppl A:57–61

Inhibition of tumor development in the regenerating rat urinary bladder stimulated to proliferate by cyclophosphamide. Kunze E, et al. **Eur J Cancer Clin Oncol** 1984 May;20(5):711–7

Inhibitory effect of partial cystectomy on experimental carcinogenesis in the urinary bladder. Kunze E, et al. **J Cancer Res Clin Oncol** 1983;106(2):123–9

Prevention of recurrent superficial bladder tumors by oral etretinate: preliminary results of a randomized, double blind multicenter trial in Switzerland. Studer UE, et al. **J Urol** 1984 Jan;131(1):47–9

Administration of a retinoid as prophylaxis of recurrent non-invasive bladder tumors. Pedersen H, et al. **Scand J Urol Nephrol** 1984;18(2):121–3

The role of the community oncologist. Yates JW. **Urology** 1984 Apr;23(4 Suppl):149–52

[Prevention of the recurrence of superficial bladder cancer] Flamm J, et al. **Z Urol Nephrol** 1984 Mar;77(3):129–36 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Comment to the paper 'Ultrasound and computer tomography in staging of bladder tumours'. de Lange EE, et al. **Eur J Radiol** 1983 Nov;3(4):365–6

Computed tomography in the management of bladder carcinoma. Giri PG, et al. **Int J Radiat Oncol Biol Phys** 1984 Jul;10(7):1121–5

Computed tomography of bladder leiomyoma. Brant WE, et al. **J Comput Assist Tomogr** 1984 Jun;8(3):562–3

Potential overstaging of bladder cancer by computerized tomography scanning. Lome LG, et al. **J Urol** 1984 Oct; 132(4):758–61

Genitourinary neurofibromatosis in childhood. Rink RC, et al. **J Urol** 1983 Dec;130(6):1176–9

Re: Should the followup of patients with bladder cancer include routine excretory urography? [letter] Soundararajan R. **J Urol** 1984 Jul;132(1):146

Adenocarcinoma of the urachus with vesicoenteric fistula. Baumgartner BR, et al. **Urol Radiol** 1984;6(1):55–7

[Possibilities and limitations of computed tomographic staging of bladder carcinoma] Lorenz R, et al. **ROFO** 1984 Jun;140(6):660–5 (Eng. Abstr.) **(Ger)**

[Computed tomography in bladder tumors— an improvement in their diagnosis?] zur Nedden D, et al. **Rontgenpraxis** 1983 Oct;36(10):359–61 **(Ger)**

[Importance of computerized tomography in staging bladder tumors] Bartels KD, et al. **Urologe [Ausg A]** 1983 Sep;22 Suppl:342–6 (Eng. Abstr.) **(Ger)**

[Accuracy of computer tomography in urinary bladder cancer. Study of 74 patients following radical cystectomy] Engelmann U, et al. **Urologe [Ausg A]** 1984 May; 23(3):161–6 (Eng. Abstr.) **(Ger)**

[The value of lymphography in testicular, bladder and kidney tumors] Buhtz C, et al. **Z Urol Nephrol** 1984 Jun;77(6):321–8 (Eng. Abstr.) **(Ger)**

[Staging of metastasized bladder cancer using parietocystotomography] Hofmann W, et al. **Z Urol Nephrol** 1984 Apr;77(4):201–6 (Eng. Abstr.) **(Ger)**

[Carcinoma of the urachus: report of two cases] Utsunomiya M, et al. **Hinyokika Kiyo** 1983 Jan;29(1):59–66 (Eng. Abstr.) **(Jpn)**

[Staging of urinary blaccer cancer—evaluation by CT (olive oil injection method)] Hori S. **Nippon Igaku Hoshasen Gakkai Zasshi** 1983 Aug 25; 43(8):1024–35 **(Jpn)**

[Transcutaneous puncture methods in roentgenodiagnosis of diseases of the kidney and upper urinary tract] Derevianko IM, et al. **Vestn Rentgenol Radiol** 1984 Mar-Apr;(2):32–6 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

[Uselessness of systematic bone scintigraphy in the assessment of the spread of bladder cancer, before excision surgery] Charbit L, et al. **J Urol (Paris)** 1984;90(1):47–8 (Eng. Abstr.) **(Fre)**

RADIOTHERAPY

Impact of CT-based treatment planning on radiation therapy of carcinoma of the bladder. Bentzen SM, et al. **Acta Radiol [Oncol]** 1984;23(2-3):199–203

Intravesical administration of misonidazole in bladder carcinoma. Ghoneim MA, et al. **Acta Radiol [Oncol]** 1983; 22(3):177–81

Inhibition of cell growth by irradiation in combination with hyperthermia or anticancer drugs. Nakajima K, et al. **Acta Radiol [Oncol]** 1983;22(6):487–92

Radiation management of squamous cell carcinoma of the bladder. Prempree T, et al. **Acta Radiol [Oncol]** 1984; 23(1):37–42

Small-volume high-dose radiation therapy in carcinoma of the urinary bladder. Skołyszewski J, et al. **Acta Radiol [Oncol]** 1983;22(5):345–8

Radiation Therapy Oncology Group Phase I-II study on fast neutron teletherapy for carcinoma of the bladder. Laramore GE, et al. **Cancer** 1984 Aug 1;54(3):432–9

Distribution of lymphocyte subsets following radiation therapy directed to different body regions. Blomgren H, et al. **Clin Oncol** 1983 Dec;9(4):289–98

Preoperative radiation therapy in cancer of the urinary bladder. Shehata WM, et al. **IMJ** 1984 Apr;165(4):276–9

Effective treatment of patients with T1 grade III bladder cancer by external beam irradiation [letter] Abratt RP, et al. **Int J Radiat Oncol Biol Phys** 1984 Apr;10(4):578–9

Treatment of bladder carcinoma with irradiation combined with misonidazole. Papavasiliou C, et al. **Int J Radiat Oncol Biol Phys** 1983 Nov;9(11):1631–3

Intracavitary irradiation for carcinoma of the urinary bladder: rationale, technique, and preliminary results. Russell AH, et al. **Int J Radiat Oncol Biol Phys** 1984 Feb;10(2):215–9

Vitamin B12 deficiency after irradiation for bladder carcinoma. Kinn AC, et al. **J Urol** 1984 May;131(5):888–90

Enhancement of high intensity Iodine-125 brachytherapy by cis-platinum in a murine bladder tumor model. Nag S, et

al. J Urol 1984 Jun;131(6):1225–8
Characterization of a transitional cell carcinoma line arising from a previously irradiated tumor. Pontes JE, et al. J Urol 1984 Sep;132(3):606–8
Interstitial radiotherapy of carcinoma of the bladder at the Rotterdam Radiotherapy Institute (RRTI). van der Werf-Messing BH, et al. Prog Clin Biol Res 1984; 153:297–310
Photoradiation therapy. Dougherty TJ. Urology 1984 Mar; 23(3 Suppl):61–4 (22 ref.)
Radiation therapy and cystectomy. Prout GR Jr. Urology 1984 Apr;23(4 Suppl):104–9
Radical radiotherapy in treatment of transitional cell carcinoma of urinary bladder. Scott RS, et al. Urology 1984 Mar;23(3 Suppl):48–50
Full-dose irradiation for invasive bladder cancer: prognostic factors and techniques. Shipley WU. Urology 1984 Apr;23(4 Suppl):95–100
[Energy and protein consumption and nutritional status in patients with cancer of the bladder treated with irradiation] Enig B, et al. Ugeskr Laeger 1984 Jan 9;146(2):95–8 (Eng. Abstr.) (Dan)
[Use of computer tomography in irradiation planning. 2. Comparison with the conventional roentgenologic technic in prostate and bladder cancers] Oehler W, et al. Radiobiol Radiother (Berl) 1983;24(3):269–77 (Eng. Abstr.) (Ger)
[Postoperative radiotherapy in the management of bladder cancer] Cosentino D. Radiol Med (Torino) 1983 Nov; 69(11):876 (Ita)
[Radiotherapy of bladder cancer in an advanced stage] Gardani G, et al. Radiol Med (Torino) 1983 Nov; 69(11):876–7 (Ita)
[Preoperative curietherapy using iridium 192 in cancer of the bladder] Mazeron JJ, et al. Radiol Med (Torino) 1983 Nov; 69(11):874–5 (Ita)
[Preoperative radiotherapy] Micheletti E, et al. Radiol Med (Torino) 1983 Nov;69(11):873–4 (Ita)
[Introduction to the role of radiotherapy in the management of bladder cancer] Volterrani F. Radiol Med (Torino) 1983 Nov;69(11):870–1 (Ita)
[Early effects of preoperative radiation therapy for invasive bladder cancer] Isaka S, et al. Nippon Hinyokika Gakkai Zasshi 1983 Oct;74(10):1778–83 (Eng. Abstr.) (Jpn)

SECONDARY

Virilization due to a metastasizing granulosa cell tumor. Jarabak J, et al. Int J Gynecol Pathol 1983;2(3):316–24
[Value of computer tomography in the diagnosis of the extent of tumors of the female genitals and the bladder] Schmidt F, et al. Zentralbl Gynakol 1983;105(19):1239–47 (Eng. Abstr.) (Ger)
[A case study with bladder metastasis of renal cell carcinoma and stomach cancer] Tashiro K, et al. Hinyokika Kiyo 1984 Feb;30(2):249–52 (Eng. Abstr.) (Jpn)

SURGERY

Anatomical basis of total prostatocystectomy in man. Benoit G, et al. Anat Clin 1984;5(4):213–9
The role of surgical resection when combined with chemotherapy and radiation in the management of pelvic rhabdomyosarcoma. Fleming ID, et al. Ann Surg 1984 May; 199(5):509–14
A continent urostomy: a case history. LaFollette SS. AORN J 1984 Aug;40(2):207–15
The prone position for transurethral resection of anterior bladder-wall tumours. Hancock RA, et al. Can J Surg 1984 Jul;27(4):371–2
Bladder reconstruction in the surgical management of bladder cancer. Huben RP, et al. Cancer Invest 1984;2(3):215–20
The obturator nerve block. Preventing damage of the bladder wall during transurethral surgery. Hradec E, et al. Int Urol Nephrol 1983;15(2):149–53
CT evaluation of the pelvic cavity after cystectomy: observation in 40 cases. Oliva L, et al. J Comput Assist Tomogr 1984 Aug;8(4):734–8
Indications for urethrectomy in men undergoing single stage radical cystectomy for bladder cancer. Ahlering TE, et al. J Urol 1984 Apr;131(4):657–9
Risk of local urethral recurrence after radical cystectomy for bladder cancer. Beahrs JR, et al. J Urol 1984 Feb; 131(2):264–6
Squamous cell carcinoma presenting 10 years after cystectomy for leukoplakia. Goldwasser B, et al. J Urol 1984 May;131(5):964–5
Widespread urothelial tumor treated with bilateral nephroureterectomy, cystectomy, autotransplantation of one kidney and pelvioileocutaneostomy. Henriksson C, et al. J Urol 1984 Mar;131(3):555–7
Adjuvant chemotherapy of superficial transitional cell bladder carcinoma: preliminary results of a European organization for research on treatment of cancer. Randomized trial comparing doxorubicin hydrochloride, ethoglucid and transurethral resection alone. Kurth KH, et al. J Urol 1984 Aug;132(2):258–62
Radical cystectomy without radiation therapy for carcinoma of the bladder. Montie JE, et al. J Urol 1984 Mar; 131(3):477–82
Radical cystectomy in the elderly patient. Skinner EC, et al. J Urol 1984 Jun;131(6):1065–8
Argon laser phototherapy of superficial transitional cell carcinoma of the bladder. Smith JA Jr, et al. J Urol 1984 Apr;131(4):655–6
Management of the urethra in men undergoing radical cystectomy for bladder cancer. Zabbo A, et al. J Urol 1984 Feb;131(2):267–8
Upper urinary tract transitional cell cancer after radical cystectomy for bladder cancer. Zincke H, et al. J Urol 1984 Jan;131(1):50–2
Interception of lymphatic drainage by Nd:YAG laser irradiation in rat urinary bladder. Zimmermann I, et al. Lasers Surg Med 1984;4(2):167–72
Salvage cystectomy in the treatment of invasive bladder cancer. Blandy JP, et al. Prog Clin Biol Res 1984; 153:359–63
Radical cystectomy without preoperative radiotherapy for invasive bladder carcinoma—a justified approach? Hohenfellner R, et al. Prog Clin Biol Res 1984;153:313–42
Partial cystectomy for transitional cell carcinoma of the bladder. Lindahl F, et al. Scand J Urol Nephrol 1984; 18(2):125–9
Salvage cystectomy. Johnson DE. Semin Urol 1983 Feb; 1(1):53–9
Technique of radical cystectomy. Montie JE. Semin Urol 1983 Feb;1(1):42–52
Management of invasive bladder neoplasms. Whitmore WF Jr. Semin Urol 1983 Feb;1(1):34–41
Controlled bipolar high-frequency coagulation for transurethral application: a new method for the destruction of urinary bladder tumors. Rothenberger K, et al. Urol Int 1983;38(5):257–62
Vesical endometriosis. Arap Neto W, et al. Urology 1984 Sep;24(3):271–4
Transurethral resection of bladder tumors under local anesthesia. Engberg A, et al. Urology 1983 Oct;22(4):385–7
Salvage cystectomy. Freiha FS, et al. Urology 1983 Nov; 22(5):496–8
Cystectomy in perspective. Radwin HM. Urology 1984 Apr; 23(4 Suppl):101–3
Neodymium:YAG laser irradiation of bladder hemangioma. Smith JA Jr, et al. Urology 1984 Aug;24(2):134–6
One-stage total cystectomy and ileal loop diversion in patients over eighty years' old with bladder carcinoma. Pre- and postoperative functional reserve of various organs. Tachibana M, et al. Urology 1983 Nov;22(5):512–6
Use of continuous flow resectoscope in lesions of bladder dome and lateral wall. Wosnitzer M. Urology 1983 Oct; 22(4):413
[Use of chlorhexidine to control hospital infections following bladder surgery] Ashkov S, et al. Khirurgiia (Sofiia) 1983; 36(4):352–4 (Bul)
[The value of parenteral feeding in urology] Dhaenens PJ, et al. Acta Urol Belg 1983;51(3):276–82 (Eng. Abstr.) (Fre)
[Mortality and morbidity after total cystectomy for cancer] Charbit L, et al. J Urol (Paris) 1984;90(1):39–46 (Eng. Abstr.) (Fre)
[Lymphography and lymph node excision in bladder cancer. Apropos of a series] Charbit L, et al. J Urol (Paris) 1983; 89(8):547–53 (Eng. Abstr.) (Fre)
[Blockade of the obturator nerve in transurethral electroresection of urinary bladder tumors] Okajima E, et al. Urologe [Ausg A] 1984 May;23(3):171–4 (Eng. Abstr.) (Ger)
[Can the persistence rate of transurethrally resected bladder tumors be lowered by postoperative instillation of silver nitrate?] Flamm J, et al. Z Urol Nephrol 1984 Jan;77(1):1–6 (Eng. Abstr.) (Ger)
[An analysis of complications following transurethral resection of bladder tumors] Kasztelan Z. Z Urol Nephrol 1983 Jun;76(6):383–7 (Eng. Abstr.) (Ger)
[Risk of epididymitis following transurethral and transvesical bladder neck surgery] Matz M, et al. Z Urol Nephrol 1984 Apr;77(4):223–6 (Eng. Abstr.) (Ger)
[Therapy of bladder cancer. Value of transurethral resection—treatment results] Raschke P, et al. Z Urol Nephrol 1983 Jun;76(6):369–82 (Eng. Abstr.) (Ger)
[Neoplasms of the urinary tract: radical or conservative therapy?] Tenaglia R, et al. Minerva Urol 1983 Oct-Dec; 35(4):247–50 (Eng. Abstr.) (Ita)
[Recurrence and survival in 30 partial resections of bladder neoplasms. Critical review of the cases] Vicentini C, et al. Minerva Urol 1983 Oct-Dec;35(4):257–61 (Eng. Abstr.) (Ita)
[Indications and limitations of radical surgery for cancer of the bladder] Marcelli G, et al. Radiol Med (Torino) 1983 Nov;69(11):871–3 (Ita)
[Problems of the preservation treatment of vesical function of bladder cancer] Matsumoto K. Gan No Rinsho 1984 May;30(6 Suppl):680–7 (Eng. Abstr.) (Jpn)
[Total cystectomy for bladder tumor: eight-year experience] Arai Y, et al. Hinyokika Kiyo 1983 Nov;29(11):1443–9 (Eng. Abstr.) (Jpn)
[A case of paraganglioma of the urinary bladder] Kikuchi T, et al. Hinyokika Kiyo 1983 Mar;29(3):333–7 (Eng. Abstr.) (Jpn)
[Postoperative complications and followup in cystectomy] Yazaki T, et al. Hinyokika Kiyo 1983 Mar;29(3):311–8 (Eng. Abstr.) (Jpn)
[Implant operation of penile prosthesis in erectile impotence patients who underwent intrapelvic cancer surgery] Fujioka T, et al. Nippon Gan Chiryo Gakkai Shi 1983 Dec 20;18(8):2039–44 (Eng. Abstr.) (Jpn)
[Urethral occurrence of bladder cancer following cystectomy] Akaza H, et al. Nippon Hinyokika Gakkai Zasshi 1983 Aug;74(8):1436–9 (Jpn)
[TUSR-BT following selective embolization of the vesical artery] Fujioka H, et al. Nippon Hinyokika Gakkai Zasshi 1984 Mar;75(3):424–30 (Eng. Abstr.) (Jpn)
[Clinical study on transitional cell carcinoma of the bladder] Honma Y, et al. Nippon Hinyokika Gakkai Zasshi 1984 Feb;75(2):222–8 (Eng. Abstr.) (Jpn)
[Clinical management of carcinoma in situ of the bladder. I. Cases of total cystectomy] Itatani H, et al. Nippon Hinyokika Gakkai Zasshi 1983 Aug;74(8):1405–11 (Eng. Abstr.) (Jpn)
[Diagnosis and treatment of bladder tumor using a hematoporphyrin derivative and laser irradiation] Tsuchiya A, et al. Nippon Hinyokika Gakkai Zasshi 1983 Jul; 74(7):1130–9 (Eng. Abstr.) (Jpn)
[Clinical evaluation of total cystectomy on patients with bladder cancer] Uekado Y, et al. Nippon Hinyokika Gakkai Zasshi 1983 Sep;74(9):1509–17 (Eng. Abstr.) (Jpn)
[Various problems in the diagnosis and treatment of tumors of the urinary bladder] Kumanov Kh, et al. Khirurgiia (Sofiia) 1983;36(2):147–52 (Eng. Abstr.) (Rus)
[Results of the combined treatment of bladder cancer patients] Aslamazov EG, et al. Urol Nefrol (Mosk) 1984 Jul-Aug;(4):27–30 (Eng. Abstr.) (Rus)
[Tumors of the urinary bladder in children] Bairov GA, et al. Vestn Khir 1984 Jun;132(6):81–3 (Eng. Abstr.) (Rus)
[The YAG-neodymium laser in the treatment of bladder tumors. Critical bases of its use] Staehler G, et al. Actas Urol Esp 1984 May-Jun;8(3):205–10 (Eng. Abstr.) (Spa)
[Treatment of rhabdomyosarcoma of the bladder without radical surgery] García-Vallés MC, et al. An Esp Pediatr 1983 Dec;19(6):501–6 (Eng. Abstr.) (Spa)
[Control of endoscopic surgery by endocavitary echography] Boronat F, et al. Arch Esp Urol 1984 May-Jun;37(3):237–45 (Eng. Abstr.) (Spa)
[Pelvic exenteration. Personal experience] Sans Segarra M, et al. Rev Esp Enferm Apar Dig 1984 Jun;65(6):521–5 (Eng. Abstr.) (Spa)

THERAPY

Adjuvant immunotherapy of N-[4(5-nitro-2-furyl)-2-thiazolyl]-formamide-induced bladder tumors. Ibraheim EH, et al. Anticancer Res 1984 May-Jun;4(3):209–13
Planned preoperative cisplatin and radiation therapy for locally advanced bladder cancer. Herr HW, et al. Cancer 1983 Dec 15;52(12):2205–8
Treatment of bladder cancer with a combination of hyperthermia, radiation and bleomycin. Kubota Y, et al. Cancer 1984 Jan 15;53(2):199–202
Combined cyclophosphamide chemotherapy and maltose tetrapalmitate immunotherapy in the treatment of transplanted bladder and prostate carcinoma of the rat. Ibrahiem EH, et al. Cancer Res 1984 Feb;44(2):536–42
BCG vaccine in superficial bladder tumors: eight years later. Martinez-Piñeiro JA. Eur Urol 1984;10(2):93–100
The biology and treatment of superficial bladder cancer. Torti FM, et al. J Clin Oncol 1984 May;2(5):505–31 (214 ref.)
10-year experience with adenocarcinoma of the bladder. Bennett JK, et al. J Urol 1984 Feb;131(2):262–3
Re: Experience with bacillus Calmette-Guerin in patients with superficial bladder carcinoma [letter] Crispen RG. J Urol 1984 Mar;131(3):558
Treatment of genitourinary rhabdomyosarcoma in children. Ghavimi F, et al. J Urol 1984 Aug;132(2):313–9
The synergistic effect of hyperthermia and chemotherapy on murine transitional cell carcinoma. Haas GP, et al. J Urol 1984 Oct;132(4):828–33
Whole bladder wall photoradiation therapy for carcinoma in situ of the bladder: a preliminary report. Hisazumi H, et al. J Urol 1984 May;131(5):884–7
Pre-cystectomy intra-arterial cis-diamminedichloroplatinum II with local bladder hyperthermia for bladder cancer. Jacobs SC, et al. J Urol 1984 Mar;131(3):473–6
Long-term results and complications of intracavitary bacillus Calmette-Guerin therapy for bladder cancer. Morales A. J Urol 1984 Sep;132(3):457–9
Bacillus Calmette-Guerin immunotherapy of infiltrating bladder cancer. Netto NR Jr, et al. J Urol 1984 Oct; 132(4):675–7
Long term protection in bladder cancer following intralesional immunotherapy. Reichert DF, et al. J Urol 1984 Sep;132(3):570–3
Adjuvant doxorubicin hydrochloride and radiation in stage D bladder cancer: a preliminary report. Schaeffer AJ, et al. J Urol 1984 Jun;131(6):1073–6
Comparison of the efficacy of intravesical Bacillus Calmette-Guérin with thiotepa, mitomycin C, poly I:C/poly-L-lysine and cis platinum in murine bladder cancer. Shapiro A, et al. J Urol 1984 Jan;131(1):139–42
Contemporary cystectomy with pelvic node dissection

compared to preoperative radiation therapy plus cystectomy in management of invasive bladder cancer. Skinner DG, et al. **J Urol** 1984 Jun;131(6):1069–72

Superficial bladder cancer: comments on evaluation and management. Soloway MS. **J Urol** 1984 Jul;132(1):91

Predeposit autologous blood transfusions in patients undergoing irradiation and radical cystectomy. Swanson DA, et al. **J Urol** 1983 Nov;130(5):892–4

Combined radiation and chemotherapy for locally advanced bladder cancer. Jakse G, et al. **Prog Clin Biol Res** 1984; 153:365–72

Bladder carcinoma in situ: conservative versus aggressive approach. Steg A, et al. **Prog Clin Biol Res** 1984;153:263–74

Preoperative irradiation with cystectomy for bladder cancer. Whitmore WF Jr. **Prog Clin Biol Res** 1984;153:343–57

Surgery and intravesical chemotherapy in the management of superficial bladder cancer. Soloway MS. **Semin Urol** 1983 Feb;1(1):23–33

Response of tumors to biologic modifiers and chemotherapeutic agents. Katsuoka Y, et al. **Tokai J Exp Clin Med** 1983 May;8(2):175–85

Cytomorphological and histological studies on the urothelium during and after chemoimmune prophylaxis. Adolphs HD, et al. **Urol Res** 1984;12(2):129–33

Chemoimmune prophylaxis of superficial bladder tumors: results after treatment of 130 patients in 4 years. Adolphs HD, et al. **Urol Res** 1983;11(6):271–4

Keyhole-limpet haemocyanin (KLH) immunotherapy of murine transitional cell carcinoma. Walsh WG, et al. **Urol Res** 1983;11(6):263–5

BCG in the management of superficial bladder cancer. Brosman SA. **Urology** 1984 Apr;23(4 Suppl):82–7

Squamous cell carcinoma of bladder. Costello AJ, et al. **Urology** 1984 Mar;23(3):234–6

Intravesical CDDP therapy compared with combined CDDP and external radiation in noninvasive bladder cancer. Monitored with quantitative fluorescence cytology. Hemstreet GP 3d, et al. **Urology** 1984 Jul;24(1):59–63

Current status of adjuvant chemotherapy after radical cystectomy for deeply invasive bladder cancer. Skinner DG, et al. **Urology** 1984 Jul;24(1):46–52

Bladder cancer: defining the clinical problem. Whitmore WF Jr. **Urology** 1984 Apr;23(4 Suppl):5–8

[Several new features of the treatment of tumors of the urinary bladder] Kumanov Kh, et al. **Khirurgiia (Sofiia)** 1984;37(2):120–4 (Eng. Abstr.) **(Bul)**

[Embolization of the inferior mesenteric artery in hemorrhagic bladder neoplasms after failure of hypogastric arteries embolization] Nadalini VF, et al. **J Urol (Paris)** 1983;89(9):661–2 (Eng. Abstr.) **(Fre)**

[Sarcoma of the bladder in adults] Benoit G, et al. **Sem Hop Paris** 1984 Mar 8;60(11):755–7 (Eng. Abstr.) **(Fre)**

[Application of radiofrequency hyperthermia for treating advanced urinary bladder cancer—a case report] Kubota Y, et al. **Gan No Rinsho** 1984 Feb;30(2):215–9 (Eng. Abstr.) **(Jpn)**

[Thermotherapy for cancer of the urinary bladder in combination with tegafur and picibanil—with special reference to the serum bladder and bladder cancer tissue concentrations of tegafur in a perfusion fluid] Murahashi I, et al. **Gan To Kagaku Ryoho** 1984 Sep;11(9):1781–8 (Eng. Abstr.) **(Jpn)**

[Rhabdomyosarcoma of the bladder in a child: report of a case] Konami T, et al. **Hinyokika Kiyo** 1984 Mar; 30(3):387–95 (Eng. Abstr.) **(Jpn)**

[Clinical studies of patients with bladder tumors] Matsuura T, et al. **Hinyokika Kiyo** 1983 Jan;29(1):23–30 (Eng. Abstr.) **(Jpn)**

[Primary malignant lymphoma of the urinary bladder: report of a case] Nakagawa S, et al. **Hinyokika Kiyo** 1983 Sep; 29(9):1097–105 (Eng. Abstr.) **(Jpn)**

[Synchronous double cancer of the esophagus and the urinary bladder: report of two cases] Takai K, et al. **Hinyokika Kiyo** 1983 Sep;29(9):1085–9 (Eng. Abstr.) **(Jpn)**

[Combination therapy of transurethral resection (TUR) and radiotherapy in advanced bladder cancer] Tashiro K. **Nippon Hinyokika Gakkai Zasshi** 1983 Dec;74(12):2043–53 (Eng. Abstr.) **(Jpn)**

[Chemotherapy of bladder and prostatic neoplasms in children] Bożek J, et al. **Probl Med Wieku Rozwoj** 1979; 9:324–8 (Eng. Abstr.) **(Pol)**

[Mechanism of development of fatal pulmonary artery thromboembolism during the treatment of kidney and bladder cancer] Gonchar MA, et al. **Arkh Patol** 1983; 45(8):56–9 (Eng. Abstr.) **(Rus)**

[Our experience in the treatment of superficial tumors of bladder with the binomial endoscopic surgery and local chemotherapy (adriamycin)] Corredera Zambrana M, et al. **Actas Urol Esp** 1983 Nov–Dec;7(6):427–32 (Eng. Abstr.) **(Spa)**

ULTRASTRUCTURE

Non-papillary carcinoma in situ of the urinary bladder. An electron microscopic study. Kakudo K, et al. **Acta Pathol Jpn** 1984 Mar;34(2):345–53

Intracytoplasmic inclusion bodies in leiomyoma of the urinary bladder. Alroy J, et al. **Ultrastruct Pathol** 1983 Jul; 5(1):89–91

Effect of hyperthermic vesical irrigation with bleomycin on the ultrastructure of the well-differentiated tumour and non-tumorous mucosa of the human urinary bladder. Moriyama N, et al. **Urol Res** 1983;11(3):131–7

URINE

Urinary carcinoembryogenic antigen (CEA) in the diagnosis and follow-up of bladder carcinoma. Tailly G, et al. **Br J Urol** 1983 Oct;55(5):501–7

Preliminary identification of a tumor-associated glycoprotein in bilharzial bladder cancer urine. Higashi GI, et al. **Int J Cancer** 1983 Oct 15;32(4):445–8

The value of urinary fibrin/fibrinogen degradation products as tumor markers in urothelial carcinoma. Jayachandran S, et al. **J Urol** 1984 Jul;132(1):21–3

Urinary cytology in the diagnosis of epithelial bladder tumors. A nine-year experience with cyto-histologic correlation in 643 cases. Mincione GP, et al. **Pathologica** 1983 Sep–Oct;75(1039):665–73

[The place of urinary cytology in the diagnosis of urothelial tumors] Mansat A, et al. **Bull Assoc Anat (Nancy)** 1983 Mar;67(196):141–50 (Eng. Abstr.) **(Fre)**

[Urinary cytology in superficial transitional cell carcinoma of the bladder] Nissenkorn I, et al. **Harefuah** 1983 Dec 15;105(12):400–1 (Eng. Abstr.) **(Heb)**

[The role of urinary cytology in the diagnosis of neoplasms of the upper excretory tract. Cyto-histological correlations in 29 cases] Mincione GP, et al. **Pathologica** 1983 Mar–Apr; 75(1036):181–6 (Eng. Abstr.) **(Ita)**

[Cytogenetic study of the exfoliated cells from urothelial tumor patients: observation of chromosome of exfoliated cells] Mitsuhashi H. **Nippon Hinyokika Gakkai Zasshi** 1983 Apr;74(4):576–95 (Eng. Abstr.) **(Jpn)**

[Tryptophan metabolic disorder—1 of the criteria for forming groups at high risk for spontaneous bladder cancer] Prianichnikova MB. **Urol Nefrol (Mosk)** 1984 Jul–Aug; (4):61–5 (Eng. Abstr.) **(Rus)**

VETERINARY

Radiographic appearance of pulmonary metastases from transitional cell carcinoma of the bladder and urethra of the dog. Walter PA, et al. **J Am Vet Med Assoc** 1984 Aug 15;185(4):411–8

BLADDER, NEUROGENIC

Neuromuscular dysfunction of the bladder and urethra. Friedland GW, et al. **Semin Roentgenol** 1983 Oct; 18(4):255–66

COMPLICATIONS

Pre-existing uninhibited bladder facilitating drug-induced enuresis: four case reports. Schwarcz G. **Can J Psychiatry** 1983 Oct;28(6):489–90

Urinary incontinence due to detrusor instability. Fantl JA. **Clin Obstet Gynecol** 1984 Jun;27(2):474–89 (28 ref.)

Symptomatic neurogenic bladder in a cerebral-palsied population. McNeal DM, et al. **Dev Med Child Neurol** 1983 Oct;25(5):612–6 (7 ref.)

Radioisotope studies of neurogenic bladder in multiple sclerosis. Holland NJ, et al. **J Neurosurg Nurs** 1984 Aug; 16(4):188–92

Periurethral polytetrafluoroethylene injections in incontinent female subjects with neurogenic bladder disease. Lewis RI, et al. **J Urol** 1984 Mar;131(3):459–62

Methenamine mandelate with acidification: an effective urinary antiseptic in patients with neurogenic bladder. Kevorkian CG, et al. **Mayo Clin Proc** 1984 Aug;59(8):523–9

Self-retaining catheters for congenital neuropathic bladder: a continuing evaluation. Minns RA, et al. **Z Kinderchir** 1983 Dec;38 Suppl 2:94–5

[The risk of cancer in neuropathic bladders] Eichhorn F, et al. **Urol Int** 1984;39(2):105–9 (Eng. Abstr.) **(Ger)**

[Diabetic neuropathy. III: Autonomic neuropathy. Genito-urinary system] Gentile S, et al. **Minerva Med** 1984 Apr 21;75(17):967–74 (Eng. Abstr.) **(Ita)**

[Candidiasis of the urinary tract in a girl with neurogenic bladder] Szajner-Milart I, et al. **Pol Tyg Lek** 1984 Feb 20;39(8):257–9 (Eng. Abstr.) **(Pol)**

CONGENITAL

Danger of inadequate urological supervision of patients with congenital neuropathic bladder. Rickwood AM, et al. **Br Med J [Clin Res]** 1984 Jun 2;288(6431):1677–8

[Clinical studies on children with congenital neurogenic bladder treated during the past 10 years] Kawaguchi K, et al. **Hinyokika Kiyo** 1983 Nov;29(11):1481–91 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Individual motor unit analysis in the diagnosis of disorders of urethral sphincter innervation. Fowler CJ, et al. **J Neurol Neurosurg Psychiatry** 1984 Jun;47(6):637–41

Rapid cystometry and sacral-evoked response in the diagnosis of peripheral bladder and sphincter denervation. Susset JG, et al. **J Urol** 1984 Oct;132(4):704–7

The role of urodynamics in the management of spinal cord injured patients. Gardner BP, et al. **Paraplegia** 1984 Jun; 22(3):157–61

Urodynamic practice in neuro-urological patients: techniques and clinical value. Madersbacher H, et al. **Paraplegia** 1984 Jun;22(3):145–56

Voiding dysfunctions. Thon W, et al. **Urology** 1984 Apr; 23(4):323–30 (91 ref.)

[Bethanechol in urology] Penders L. **Acta Urol Belg** 1983; 51(3):304–18 (Eng. Abstr.) **(Fre)**

[The bethanechol test in the diagnosis of neurogenic bladder. 60 cases] Penders L. **J Urol (Paris)** 1983;89(5):309–15 (Eng. Abstr.) **(Fre)**

[Measurement of residual urine in outpatient clinics with a small ultrasound device] Widder B, et al. **Dtsch Med Wochenschr** 1983 Oct 14;108(41):1552–5 (Eng. Abstr.) **(Ger)**

[Transient neurogenic bladder–emptying disorder caused by herpes genitalis following kidney transplantation] Schmeller NT, et al. **Urologe [Ausg A]** 1984 Mar; 23(2):124–6 (Eng. Abstr.) **(Ger)**

[Urodynamic evaluation of aged patients with prostatism] Arena G, et al. **Minerva Urol** 1983 Oct–Dec;35(4):285–8 (Eng. Abstr.) **(Ita)**

DRUG THERAPY

Oxybutynin chloride in the treatment of female idiopathic bladder instability. Results from double blind treatment. Riva D, et al. **Clin Exp Obstet Gynecol** 1984;11(1–2):37–42

The use of urodynamic studies to assess the effect of pharmacological agents with particular references to alpha-adrenergic blockade. Thomas DG, et al. **Paraplegia** 1984 Jun;22(3):162–7

Effect of naloxone-induced opioid blockade on idiopathic detrusor instability. Murray KH. **Urology** 1983 Sep; 22(3):329–31

[Therapeutic effect of Robaveron tablet (KN-7) on neurogenic bladder] Endo H, et al. **Hinyokika Kiyo** 1984 Jan;30(1):135–44 (Eng. Abstr.) **(Jpn)**

[Clinical application of eperisone hydrochloride to neurogenic bladder] Murayama K, et al. **Hinyokika Kiyo** 1984 Mar;30(3):403–8 (Eng. Abstr.) **(Jpn)**

[Clinical effect of new alpha-adrenergic blocker on micturition disturbance of neurogenic bladder and lower urinary tract obstruction] Takimoto Y, et al. **Hinyokika Kiyo** 1983 Feb;29(2):255–63 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

The effects on pelvic visceral function of anal sphincter ablating and anal sphincter preserving operations for cancer of the lower part of the rectum and for benign colo-rectal disease. Neal DE. **Ann R Coll Surg Engl** 1984 Jan;66(1):7–13

Vesico-ureteral reflux in children with spina bifida and detrusor-sphincter dyssynergia. van Gool JD. **Contrib Nephrol** 1984;39:221–37

Survey of neurogenic bladder in multiple sclerosis. Holland NJ, et al. **J Neurosurg Nurs** 1981 Dec;13(6):337–43

Delayed neurological bladder after cervical trauma. Delfini R, et al. **J Neurosurg Sci** 1983 Jul–Sep;27(3):197–201

Urodynamic findings and long-term outcome management of patients with multiple sclerosis-induced lower urinary tract dysfunction. McGuire EJ, et al. **J Urol** 1984 Oct; 132(4):713–5

Sacral agenesis and neurogenic bladder dysfunction. A case report and review of the literature. Van H Fourie IJ. **S Afr Med J** 1984 Jan 14;65(2):55–6

Experimental bladder hyperreflexia in pigs. Jørgensen TM, et al. **Urol Res** 1983;11(5):239–40

Evaluation and management of children with sacral agenesis. Guzman L, et al. **Urology** 1983 Nov;22(5):506–10

Significance of asymptomatic bacteriuria in neurogenic bladder disease. Lewis RI, et al. **Urology** 1984 Apr; 23(4):343–7

[The neurogenic factor in the origin of bladder dysfunction after abdomino-perineal amputation of the rectum by the Miles technic: urodynamic study of 25 patients] Aragona F, et al. **Ann Ital Chir** 1983;55(2):195–200 (Eng. Abstr.) **(Ita)**

[The urologist confronted by the myelodysplasic patient] Boccafoschi C. **Minerva Pediatr** 1984 Feb 28;36(4):169–76 (Eng. Abstr.) **(Ita)**

[Bladder atonia and cystitis following radical surgery for rectal cancer] Knysh VI, et al. **Vestn Khir** 1983 Jul; 131(7):61–6 (Eng. Abstr.) **(Rus)**

[Neurogenic vesico-sphincter dysfunctions in the caudal regression syndrome] Sánchez M, et al. **An Esp Pediatr** 1984 Jan;20(1):72–6 **(Spa)**

PHYSIOPATHOLOGY

Unstable bladder activity and the rate of resolution of vesico-ureteric reflux. Taylor CM. **Contrib Nephrol** 1984; 39:238–46

Relationship between neurological and urological status in patients with multiple sclerosis. Awad SA, et al. **J Urol** 1984 Sep;132(3):499–502

Cortical evoked potentials obtained after stimulation of the lower urinary tract. Badr GG, et al. **J Urol** 1984 Feb; 131(2):306–9

Urodynamic studies in enuresis and the nonneurogenic neurogenic bladder. McGuire EJ, et al. **J Urol** 1984 Aug; 132(2):299–302

The effect of anteromedian sphincterotomy on penile erections in patients with neuropathic bladder. Philp NH, et al. **Paraplegia** 1983 Oct;21(5):301–4

A critical review of urodynamic investigations in spinal cord

injury patients. Wyndaele JJ. **Paraplegia** 1984 Jun; 22(3):138–44

Clinical correlation of urodynamic findings in patients with localized partial lesions of the spinal cord and cauda equina. Gunasekera WS, et al. **Surg Neurol** 1984 Feb;21(2):148–54

[Urological management and its results in patients with congenital neurogenic bladder due to spina bifida—with special reference to the urodynamic evaluation of the lower urinary tract function] Noto H, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Jun;74(6):994–1002 (Eng. Abstr.) **(Jpn)**

[Kidney function and hemodynamics in reflex and paralytic neurogenic bladder] Lavrinenko VS. **Vrach Delo** 1984 Apr; (4):60–3 (Eng. Abstr.) **(Rus)**

[Urodynamic study in neurogenic bladder. I. Cystomanometry] Gallego Gómez J, et al. **Arch Esp Urol** 1984 Mar–Apr;37(2):135–50 (Eng. Abstr.) **(Spa)**

[Urodynamic evaluation of neurogenic bladder II. Value of sphincter electromyography in combination with cystomanometry register] Gallego Gómez J, et al. **Arch Esp Urol** 1984 May–Jun;37(3):225–36 (Eng. Abstr.) **(Spa)**

REHABILITATION

Micturition alert device. Balmaseda MT Jr, et al. **Arch Phys Med Rehabil** 1984 Sep;65(9):554–5

Decontamination of urinary bags for rehabilitation patients. Hashisaki P, et al. **Arch Phys Med Rehabil** 1984 Aug; 65(8):474–6

Management of neurogenic bladder in female spinal cord injury patients. Song GW, et al. **J Am Paraplegia Soc** 1984 Jan;7(1):4–7

SURGERY

Alternative to urinary diversion. Vesicostomy. Parker CB. **AORN J** 1984 May;39(6):968–72

Role of outflow surgery in the rehabilitation of male paraplegic patients. Silver JR. **Int Rehabil Med** 1983; 5(3):143–8

Experience with the artificial urinary sphincter in children and young adults. Mitchell ME, et al. **J Pediatr Surg** 1983 Dec;18(6):700–6

A 22-year followup of ileal conduits in children with a neurogenic bladder. Cass AS, et al. **J Urol** 1984 Sep; 132(3):529–31

Cutaneous ureterostomy as a permanent external urinary diversion in children. Kogan BA, et al. **J Urol** 1984 Oct; 132(4):729–31

[The striated urethral sphincter in man] de Leval J. **Acta Urol Belg** 1984 Jan;52(1):5–147 (Eng. Abstr.) **(Fre)**

THERAPY

Total bladder care for the spinal cord injured patient. Wu YC. **Ann Acad Med Singapore** 1983 Jul;12(3):387–99

The uninhibited bladder in children: effect of treatment on vesicoureteral reflux resolution. Koff SA, et al. **Contrib Nephrol** 1984;39:211–20

Management of neuropathic bladder in childhood. Borzyskowski M. **Dev Med Child Neurol** 1984 Jun; 26(3):401–4

Management of neurogenic bladder dysfunction in children. Bauer SB. **J Urol** 1984 Sep;132(3):544–5

Management of the neurogenic bladder in 413 children. Cass AS, et al. **J Urol** 1984 Sep;132(3):521–5

Clean intermittent catheterization in the management of the neurogenic bladder in children. Cass AS, et al. **J Urol** 1984 Sep;132(3):526–8

The uninhibited bladder in children: effect of treatment on recurrence of urinary infection and on vesicoureteral reflux resolution. Koff SA, et al. **J Urol** 1983 Dec;130(6):1138–41

Use of the artificial urinary sphincter in spinal cord injury patients. Light JK, et al. **J Urol** 1983 Dec;130(6):1127–9

Ileal trigonal conduits: 10-year followup. Lowe FC, et al. **J Urol** 1983 Nov;130(5):874–7

Re: Treatment of motor and sensory detrusor instability by electrical stimulation; and Re: The neurophysiological basis of bladder inhibition in response to intravaginal electrical stimulation [letter] Murray KH. **J Urol** 1984 Feb;131(2):356

Urodynamic studies in evaluating detrusor sphincter dyssynergia and their effects on the treatment. Buczyński AZ. **Paraplegia** 1984 Jun;22(3):168–72

Electrical stimulation of the conus medullaris for bladder emptying in a paraplegic. Carlsson CA, et al. **Paraplegia** 1984 Apr;22(2):87–91

Results of clean intermittent catheterization for children with neurogenic bladders. Wolraich ML, et al. **Urology** 1983 Nov;22(5):479–82

[Spina bifida. Value of intermittent catheterization and drug therapy in the treatment of neurologic bladder in children] Marconi AM, et al. **Minerva Pediatr** 1983 Sep 30; 35(18):903–6 (Eng. Abstr.) **(Ita)**

[Method of transcutaneous abdominal electric stimulation facilitating the formation of urinary bladder automatism in paraplegia and tetraplegia] Jędrzejczak L. **Ann Acad Med Stetin** 1983;29:287–303 (30 ref.) (Eng. Abstr.) **(Pol)**

[Results of the treatment of children with neurogenic bladder by transurethral intravesical electric stimulation] Bielowicz-Hilgier A, et al. **Probl Med Wieku Rozwoj** 1983; 12:105–10 (Eng. Abstr.) **(Pol)**

BLADE IMPLANTATION see under **DENTAL IMPLANTATION, ENDOSSEOUS**

BLAST INJURIES

BLOOD

1976 Hanford americium exposure incident: hematologic effects. Ragan HA, et al. **Health Phys** 1983 Oct; 45(4):923–32

CLASSIFICATION

Casualties from terrorist bombings. Cooper GJ, et al. **J Trauma** 1983 Nov;23(11):955–67

COMPLICATIONS

Long-term effects of pulmonary shrapnel injury. Report of a case with carcinoma and residual shrapnel tract. Dubeau L, et al. **Arch Pathol Lab Med** 1984 May;108(5):407–9

Shrapnel-induced traumatic arthritis. A case report. Silverstein SB, et al. **J Am Podiatry Assoc** 1983 Aug; 73(8):418–20

DIAGNOSIS

[Blast injuries of the ear in military artillerymen] Spirov A. **Zb Vojnomed Akad** 1982;24:28–30 (Eng. Abstr.) **(Scr)**

ETIOLOGY

Ocular injuries from carbonated soft drink bottle explosions. Al Salem M, et al. **Br J Ophthalmol** 1984 Apr;68(4):281–3

[Facial and mandibular injuries caused by whipping cream aerosol bottle, report of 2 cases] Szeghö A, et al. **Fogorv Sz** 1983 Jul;76(7):207–8 (Eng. Abstr.) **(Hun)**

[Characteristics of the etiological factor in injuries from nuclear weapons] Popov OV. **Patol Fiziol Eksp Ter** 1984 Mar–Apr;(2):7–11 **(Rus)**

MORTALITY

Death from an anti-personnel grenade explosion. Robson DC. **J R Army Med Corps** 1983 Jun;129(2):115–6

OCCURRENCE

Reporting ocular fireworks injuries [editorial] Wilson RS. **Am J Ophthalmol** 1984 May;97(5):639–40

Risk factors for fireworks-related injury in Washington State. McFarland LV, et al. **JAMA** 1984 Jun 22–29; 251(24):3251–4

PATHOLOGY

Death or injury caused by explosion. Wright RK. **Clin Lab Med** 1983 Jun;3(2):309–19

1976 Hanford americium exposure incident: histologic and autoradiographic observations on skin. Hampton JC. **Health Phys** 1983 Oct;45(4):933–5

[An unusual suicide—self explosion in the automobile] Mojzes L, et al. **Arch Kriminol** 1983 Jul–Aug;172(1–2):21–8 **(Ger)**

PSYCHOLOGY

1976 Hanford americium exposure incident: psychological aspects. Brown WR. **Health Phys** 1983 Oct;45(4):867–71

SURGERY

Burn injury to the face with associated fracture caused by a flare gun: a case report. Stevenson JH, et al. **Br J Plast Surg** 1984 Jan;37(1):61–4

Management of nail-bomb injuries [editorial] Ellis H. **J R Soc Med** 1983 Sep;76(9):724–5

THERAPY

1976 Hanford americium exposure incident: medical management and chelation therapy. Breitenstein BD. **Health Phys** 1983 Oct;45(4):855–66

Care of blast-injured casualties with gastrointestinal injuries. Harmon JW, et al. **Milit Med** 1983 Jul;148(7):586–8

[Analysis of 30 cases of blast injury] Chen QH. **Chung Hua Wai Ko Tsa Chih** 1983 Dec;21(12):739–42 (Eng. Abstr.) **(Chi)**

URINE

1976 Hanford americium exposure incident: urinary excretion of trace metals during DTPA treatments. Kalkwarf DR, et al. **Health Phys** 1983 Oct;45(4):937–47

BLASTOCLADIELLA see under **PHYCOMYCETES**

BLASTOCYST

see related

PRENIDATION PHASE

Influence of injected pluripotential (EK) cells on haploid and diploid parthenogenetic development. Kaufman MH, et al. **J Embryol Exp Morphol** 1984 Apr;80:75–86

An improved method for destroying mouse blastomeres electrically inside the zona pellucida and the in vitro development of the surviving blastomeres. Tojo H, et al. **J Exp Zool** 1984 Mar;229(3):475–80

Experimental embryology and teratology—its relevance for medical practice. Sandor S. **Morphol Embryol (Bucur)** 1984 Apr–Jun;30(2):109–16

ANALYSIS

Normal adenylate ribonucleotide content in mouse embryos homozygous for the t12 mutation. Spielmann H, et al. **J Embryol Exp Morphol** 1983 Dec;78:43–51

Mouse Leydig cell bioassay shows lack of LH in the bovine preimplantation conceptus. Henricks DM, et al. **J Reprod Fertil** 1984 Jul;71(2):419–26

[Proteins in blastocyst tissue, uterine flushing and endometrium of early pregnancy and its relation to implantation] Cao YQ. **Sheng Li Ko Hsueh Chin Chan** 1983 Oct;14(4):297–301 **(Chi)**

CYTOLOGY

Embryonic stem cell lines derived from blastocysts by a simplified technique. Axelrod HR. **Dev Biol** 1984 Jan; 101(1):225–8

Immunohistochemical localization of entactin and laminin in mouse embryos and fetuses. Wu TC, et al. **Dev Biol** 1983 Dec;100(2):496–505

A proteoglycan fraction isolated from the EDTA extract of sea urchin (Hemicentrotus pulcherrimus) gastrulae stimulates reaggregation of dissociated embryonic cells. Akasaka K, et al. **Exp Cell Res** 1984 Jan;150(1):226–33

Organization of the surface and adhesive properties of cleavage furrows in loach (Misgurnus fossilis) eggs. Bozhkova VP, et al. **Exp Cell Res** 1983 Nov;149(1):129–39

Rabbit antiserum against a purified surface glycoprotein decompacts mouse preimplantation embryos and reacts with specific adult tissues. Vestweber D, et al. **Exp Cell Res** 1984 May;152(1):169–78

Characterization of a pluripotent stem cell line derived from a mouse embryo. Wobus AM, et al. **Exp Cell Res** 1984 May;152(1):212–9

Xenopus laevis lectin is localized at several sites in Xenopus oocytes, eggs, and embryos. Roberson MM, et al. **J Cell Biol** 1983 Dec;97(6):1875–81

The nature of intercellular coupling within the preimplantation mouse embryo. Goodall H, et al. **J Embryol Exp Morphol** 1984 Feb;79:53–76

Heterogeneous differentiation of external cells in individual isolated early mouse inner cell masses in culture. Nichols J, et al. **J Embryol Exp Morphol** 1984 Apr;80:225–40

Effects of interferon and encephalomyocarditis virus on in vitro development of preimplantation mouse embryos with and without the zona pellucida. Zusman I, et al. **Teratology** 1984 Jun;29(3):405–9

DRUG EFFECTS

A single dose of ethanol suppresses rat embryo development in vivo. Pennington SN, et al. **Alcoholism (NY)** 1984 May–Jun;8(3):326–9

Chemical exposure of embryos during the preimplantation stages of pregnancy: mortality rate and intrauterine development. Fabro S, et al. **Am J Obstet Gynecol** 1984 Apr 1;148(7):929–38

Long-term effects of exposure to methylnitrosourea on blastocysts following transfer to surrogate female mice. Iannaccone PM. **Cancer Res** 1984 Jul;44(7):2785–9

Pre- and postimplantation embryotoxic effects of zinc dimethyldithiocarbamate (Ziram) in the rat. Giavini E, et al. **Ecotoxicol Environ Safety** 1983 Dec;7(6):531–7

Effects of dietary picolinate on mice deprived of tryptophan, niacin and vitamin B-6. van Winkle LJ, et al. **J Nutr Sci Vitaminol (Tokyo)** 1983 Dec;29(6):701–7

Ultrastructural observations on rabbit blastocysts after maternal exposure to cadmium chloride. Abraham R, et al. **J Reprod Fertil** 1984 Jan;70(1):323–5

Effects of alpha-trichosanthin and alpha-momorcharin on the development of peri-implantation mouse embryos. Law LK, et al. **J Reprod Fertil** 1983 Nov;69(2):597–604

Site of action of indomethacin on implantation in the rabbit. Snabes MC, et al. **J Reprod Fertil** 1984 Jul;71(2):559–65

Effects of alpha-momorcharin on preimplantation development in the mouse. Tam PP, et al. **J Reprod Fertil** 1984 May;71(1):33–8

Viability of alpha-momorcharin-treated mouse blastocysts in the pseudopregnant uterus. Tam PP, et al. **J Reprod Fertil** 1984 Jul;71(2):567–72

Inhibitory effect of ricin on the development of preimplantation mouse embryos. Storeng R, et al. **J Toxicol Environ Health** 1983 Aug–Sep;12(2–3):193–202

Experimental induction of two inner cell masses in mouse embryos by vinblastine treatment in vitro. Naruse I, et al. **Teratology** 1983 Oct;28(2):215–8

Retained developmental capacity of blastocysts transferred from lead-intoxicated mice. Wide M. **Teratology** 1983 Oct; 28(2):293–8

[Culture of mouse embryo for the toxicological evaluation of drugs in vitro. (1). Establishment of in vitro culture system and effect of 6-mercaptopurine on development of early stage embryo] Kamata K, et al. **Nippon Yakurigaku Zasshi** 1983 Dec;82(6):411–8 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

Adenosinetriphosphatase (Mg-ATPase) activity in the plasma membrane of preimplantation mouse embryo as

revealed by electron microscopy. Smith R, et al. **Anat Embryol (Berl)** 1983;168(3):455–66

Immunological detection of cell surface galactosyltransferase in preimplantation mouse embryos. Sato M, et al. **Dev Biol** 1984 Apr;102(2):514–8

IMMUNOLOGY

A rat yolk-sac antigen defined by monoclonal antibodies. Van Hove L, et al. **Int J Cancer** 1984 Jun 15;33(6):851–8

Demonstration of H-2 antigens on preimplantation mouse embryos using conventional antisera and monoclonal antibody. Warner CM, et al. **J Exp Zool** 1984 Apr; 230(1):37–52

Characterization of an antigen present on testicular cells and preimplantation embryos whose expression is modified by the t12 haplotype. Cheng CC, et al. **J Immunogenet** 1983 Dec;10(6):465–85

Male-restricted expression of H-Y antigen on preimplantation mouse embryos. Shelton JA, et al. **Transplantation** 1984 Jan;37(1):7–8

Experiments with immunization of mice with blastocysts by an intrasplenic route. Nilsson BO, et al. **Ups J Med Sci** 1983;88(2):151–3

METABOLISM

Chorionic gonadotropin receptors and immunoreactive chorionic gonadotropin in implantation of the rabbit blastocyst. Khan-Dawood FS, et al. **Am J Obstet Gynecol** 1984 Feb 15;148(4):359–65

Relationship between release of plasminogen activator and estrogen by blastocysts and secretion of plasmin inhibitor by uterine endometrium in the pregnant pig. Fazleabas AT, et al. **Biol Reprod** 1983 Aug;29(1):225–38

Catechol estrogens stimulate synthesis of prostaglandins in the preimplantation rabbit blastocyst and endometrium. Pakrasi PL, et al. **Biol Reprod** 1983 Sep;29(2):347–54

Are blastocyst prostaglandins produced endogenously? Racowsky C, et al. **Biol Reprod** 1983 Sep;29(2):379–88

Adult hemoglobins are synthesized in yolk sac microenvironment obtained from murine cultured blastocysts. Ripoche MA, et al. **Cell Differ** 1983 Oct; 13(2):125–31

Contribution of maternal mRNA for maintenance of Ca2+-dependent reaggregating activity in dissociated cells of Xenopus laevis embryos. Shiokawa K, et al. **Cell Differ** 1983 Nov;13(3):247–55

Expression of cytokeratin polypeptides in mouse oocytes and preimplantation embryos. Lehtonen E, et al. **Dev Biol** 1983 Nov;100(1):158–65

Cell–cell contact modulation of myosin organization in the early mouse embryo. Sobel JS. **Dev Biol** 1983 Nov; 100(1):207–13

Effect of delaying DNA replication on blastocyst formation in the mouse. Dean WL, et al. **Differentiation** 1984; 26(2):134–7

Rabbit blastocysts accumulate [3H]prostaglandins in vitro. Jones MA, et al. **Endocrinology** 1984 Aug;115(2):817–23

Steroid metabolism by rabbit embryos: time of onset of steroidogenic activity. Tandon A, et al. **Exp Clin Endocrinol** 1983 Nov;82(3):285–90

Effect of centchroman on in vitro steroid metabolism by pre-implantation rabbit blastocysts. Singh MM, et al. **Indian J Exp Biol** 1983 Aug;21(8):428–31

Properties of amino acid transport in preimplantation rabbit embryos. Miller JG, et al. **J Exp Zool** 1983 Dec; 228(3):511–25

Regulation of glycolysis in the mouse blastocyst during delayed implantation. Nieder GL, et al. **J Exp Zool** 1984 Jul;231(1):121–9

The rate of estrone production by mouse blastocysts increases with estradiol-17 beta concentration in medium. Wu JT, et al. **J Exp Zool** 1983 Aug;227(2):305–11

Sodium and chloride co-transport by preimplantation rabbit blastocysts. Benos DJ, et al. **J Physiol (Lond)** 1983 Sep; 342:23–33

H1 histone synthesis by implanting pig blastocysts. Brookbank JW, et al. **J Reprod Fertil** 1984 May; 71(1):297–301

Modulation of amino acid transport in preimplantation mouse embryos by low concentrations of non-ionic and zwitterionic detergents. Keefer CL, et al. **J Reprod Fertil** 1984 Mar;70(2):399–407

Pyruvate and glucose uptake by mouse ova and preimplantation embryos. Leese HJ, et al. **J Reprod Fertil** 1984 Sep;72(1):9–13

Carbohydrate metabolism in 'delayed implanting' mouse blastocysts undergoing activation in utero and in vitro. Sakhuja-Talwar D, et al. **J Reprod Fertil** 1984 Jan; 70(1):185–9

Changes of the adenine ribonucleotide content during preimplantation development of mouse embryos in vivo and in vitro. Spielmann H, et al. **J Reprod Fertil** 1984 Jul; 71(2):467–73

Effects of endometrium on metabolism of arachidonic acid by bovine blastocysts in vitro. Lewis GS, et al. **Prostaglandins** 1983 Jun;25(6):881–9

Metabolism of arachidonic acid in vitro by porcine blastocysts and endometrium. Lewis GS, et al. **Prostaglandins** 1983 Jun;25(6):871–80

MICROBIOLOGY

Interactions of preimplantation mouse embryos with reovirus serotypes 1 and 3. Abramczuk J, et al. **Infect Immun** 1983 Oct;42(1):301–7

PHYSIOLOGY

Ultrastructural studies of the temporal relationship between loss of zona pellucida and appearance of blastocyst-induced stromal changes during normal pregnancy in rats. Lundkvist O, et al. **Anat Embryol (Berl)** 1984;170(1):45–9

New evidence for monozygotic twins in the mouse: twinning initiated in the late blastocyst can account for mirror image asymmetries. Runner MN. **Anat Rec** 1984 Jul; 209(3):399–406

Embryonic signals and the initiation of blastocyst implantation. Kennedy TG. **Aust J Biol Sci** 1983; 36(5–6):531–43 (115 ref.)

Trophectoderm in control of murine embryonal carcinoma. Pierce GB, et al. **Cancer Res** 1984 Sep;44(9):3987–96

Inhibitor of ribosomal RNA synthesis in Xenopus laevis embryos. VII. Inhibition of 40s pre-rRNA synthesis in Xenopus neurula cells. Shiokawa K. **Cell Struct Funct** 1984 Mar;9(1):97–102

Selective elimination of chromosomally unbalanced zygotes at the two-cell stage in the Chinese hamster. Sonta S, et al. **Cytogenet Cell Genet** 1984;38(1):5–13

The ontogeny of epidermal growth factor receptors during mouse development. Adamson ED, et al. **Dev Biol** 1984 May;103(1):62–70

Transformations of sperm nuclei incorporated into sea urchin (Arbacia punctulata) embryos at different stages of the cell cycle. Longo FJ. **Dev Biol** 1984 May;103(1):168–81

A comparison of developmental changes in surface charge in mouse blastocysts and uterine epithelium using DEAE beads and dextran sulfate in vitro. Morris JE, et al. **Dev Biol** 1984 May;103(1):190–9

Cell lineage analysis in ascidian embryos by intracellular injection of a tracer enzyme. I. Up to the eight-cell stage. Nishida H, et al. **Dev Biol** 1983 Oct;99(2):382–94

Intermediate filament protein synthesis in preimplantation murine embryos. Oshima RG, et al. **Dev Biol** 1983 Oct; 99(2):447–55

Lateral mobility of plasma membrane lipids in dividing Xenopus eggs. Tetteroo PA, et al. **Dev Biol** 1984 Jul; 104(1):210–8

The transition from maternal to embryonic control in the 2-cell mouse embryo. Flach G, et al. **EMBO J** 1982; 1(6):681–6

Periimplantation-like growth and development of mouse blastocysts in medium containing horse serum. Van Winkle LJ, et al. **Experientia** 1984 Sep 15;40(9):988–90

Suckling-induced delay of implantation and increased fecundity in rats. Vorherr H, et al. **Gynecol Obstet Invest** 1984;17(2):106–10

Capillary patency and permeability in the endometrium surrounding the implanting rat blastocyst. Rogers PA, et al. **Int J Microcirc Clin Exp** 1983;2(3):241–9

Cell relationships during aggregation between preimplantation embryos and teratocarcinoma-derived cells. Lehtonen E, et al. **J Embryol Exp Morphol** 1984 Jun; 81:17–35

Preimplantation development of the primate embryo after in vitro fertilization. Dukelow WR, et al. **J Exp Zool** 1983 Nov;228(2):215–21

In vitro development of the mammalian embryo. Sanyal MK, et al. **J Exp Zool** 1983 Nov;228(2):235–51

Variability in different lots of commercial bovine serum albumin affects cell multiplication and hatching of rabbit blastocysts in culture. Kane MT. **J Reprod Fertil** 1983 Nov; 69(2):555–8

Effects of in-vitro fertilization, culture, freezing and transfer on the ability of mouse embryos to implant and survive. Massip A, et al. **J Reprod Fertil** 1984 May;71(1):199–204

Production of identical twins by bisection of blastocysts in the cow. Ozil JP. **J Reprod Fertil** 1983 Nov;69(2):463–8

Role of calmodulin in blastocyst formation in the mouse. Pakrasi PL, et al. **J Reprod Fertil** 1984 Jul;71(2):513–7

Role of embryonic oestrogen in rabbit blastocyst development and metabolism. Paria BC, et al. **J Reprod Fertil** 1984 Mar;70(2):429–36

Cryoprotection of day-4 mouse embryos by methanol. Rall WF, et al. **J Reprod Fertil** 1984 Jan;70(1):293–300

Altered expression of heat shock proteins in embryonal carcinoma and mouse early embryonic cells. Morange M, et al. **Mol Cell Biol** 1984 Apr;4(4):730–5

Human chorionic gonadotropin secreted by preimplantation embryos cultured in vitro. Fishel SB, et al. **Science** 1984 Feb 24;223(4638):816–8

[Culture of mouse embryo for the toxicological evaluation of drugs in vitro. (2). Differential staining of sister chromatids of blastocyst cell] Kamata K, et al. **Nippon Yakurigaku Zasshi** 1983 Dec;82(6):419–27 (Eng. Abstr.) **(Jpn)**

RADIATION EFFECTS

Effects of pre-implantation low-dose radiation on rat embryos. Roux C, et al. **Health Phys** 1983 Nov;45(5):993–9

The toxicity of tritium: the effects of tritiated amino-acids on preimplanted mouse embryos. Clerici L, et al. **Int J Radiat Biol** 1984 Mar;45(3):245–50

Distribution of micronuclei among single cells of pre-implantation mouse embryos after X-irradiation in vitro. Müller WU, et al. **Mutat Res** 1984 Jan;125(1):65–70

ULTRASTRUCTURE

Ultrastructural and autoradiographic studies of nucleolar development and rDNA transcription in preimplantation mouse embryos. Geuskens M, et al. **Cell Differ** 1984 Jun; 14(2):125–34

The pig blastocyst: its ultrastructure and the uptake of protein macromolecules. Stroband HW, et al. **Cell Tissue Res** 1984; 235(2):347–56

Submicroscopic structure of mouse morulas and blastocysts developed in vitro from two-cell embryos. Stastná J, et al. **Folia Morphol (Praha)** 1984;32(1):86–95

Ultrastructural aspects of the appositional stage of interstitial blastocyst implantation. Garris DR. **Gynecol Obstet Invest** 1984;17(1):10–7

Freeze-fracture of 2-cell mouse embryos. A new method for fracture of very small and scarce biological samples. Shivers RR, et al. **J Submicrosc Cytol** 1984 Jul;16(3):423–30

BLASTOCYST TRANSFER see **EMBRYO TRANSFER**

BLASTOCYTES see **BLASTOMERES**

BLASTODERM

CYTOLOGY

The retention of primary hypoblastic cells underneath the developing primitive streak allows for their prolonged inductive influence. Azar Y, et al. **J Embryol Exp Morphol** 1983 Oct;77:143–51

The influence of tissue handling before fixation on the morphology of the chick blastoderm. Vanroelen C, et al. **J Microsc** 1984 May;134 (Pt 2):173–6

DRUG EFFECTS

Effect of microtubule inhibitors on the expansion of hypoblast and margin of overgrowth of chick blastoderms. Mareel M, et al. **J Embryol Exp Morphol** 1984 Jun;81:273–86

METABOLISM

Expression of different regional patterns of fibronectin immunoreactivity during mesoblast formation in the chick blastoderm. Harrisson F, et al. **Dev Biol** 1984 Feb; 101(2):373–81

PHYSIOLOGY

The constituent oocytal layers of the avian germ and the origin of the primordial germ cell yolk. Callebaut M. **Arch Anat Microsc Morphol Exp** 1983;72(3):199–214

Changes in the electrophoretic mobility of cells from chick blastoderms during early development. Peräsalo I, et al. **Cell Differ** 1983 Nov;13(3):257–61

Proteins shifting from the cytoplasm into the nuclei during early embryogenesis of Drosophila melanogaster. Dequin R, et al. **Dev Biol** 1984 Jul;104(1):37–48

Developmental uncoupling between blastoderm and yolk cell in the embryo of the teleost Fundulus. Kimmel CB, et al. **Dev Biol** 1984 Apr;102(2):483–7

The relationship between the presence of cysteine lyase in the yolk sac endoderm and the disposition of the area vasculosa in the chicken blastoderm. Vanroelen C, et al. **J Exp Zool** 1983 Oct;228(1):135–9

TRANSPLANTATION

Autoradiographic demonstration of the penetration of albumen-derived material through the vitelline membrane into the egg yolk, exterior to the avian blastoderm. Callebaut M. **Poult Sci** 1983 Aug;62(8):1657–9

ULTRASTRUCTURE

Electron microscopy of DNA molecules from blastoderm nuclei and yolk granules beneath blastoderm of fertilized and unincubated chicken eggs. Bei SZ, et al. **Sci Sin [B]** 1983 Aug;26(8):818–22

Electron microscopic studies on the chromatin of blastoderm nuclei and yolk granules beneath blastoderm of fertilized and unincubated chicken eggs. Bei SZ, et al. **Sci Sin [B]** 1983 Jul;26(7):708–15

BLASTOMERES

An improved method for destroying mouse blastomeres electrically inside the zona pellucida and the in vitro development of the surviving blastomeres. Tojo H, et al. **J Exp Zool** 1984 Mar;229(3):475–80

Two-step freezing of two-cell rabbit embryos after partial dehydration at room temperature. Renard JP, et al. **J Reprod Fertil** 1984 Jul;71(2):573–80

CYTOLOGY

Pattern regulation in defect embryos of Xenopus laevis. Kageura H, et al. **Dev Biol** 1984 Feb;101(2):410–5

Spatial distribution of blastomeres is dependent on cell division order and interactions in mouse morulae. Surani MA, et al. **Dev Biol** 1984 Apr;102(2):335–43

Organization of the surface and adhesive properties of

cleavage furrows in loach (Misgurnus fossilis) eggs. Bozhkova VP, et al. **Exp Cell Res** 1983 Nov;149(1):129–39
Serum effects on the in vitro differentiation of sea urchin micromeres. McCarthy RA, et al. **Exp Cell Res** 1983 Dec; 149(2):433–41
The fifth cell cycle of the mouse embryo is longer for smaller cells than for larger cells. MacQueen HA, et al. **J Embryol Exp Morphol** 1983 Oct;77:297–308

METABOLISM

Effect of microinjections of cAMP-dependent protein kinase subunits on macromolecular syntheses in loach Misgurnus fossilis L. embryos. Glukhov AI, et al. **Biochem Int** 1984 Jul;9(1):83–91
Collagen metabolism and spicule formation in sea urchin micromeres. Blankenship J, et al. **Exp Cell Res** 1984 May; 152(1):98–104
Electrogenic sodium pumping in Xenopus blastomeres: apparent pump conductance and reversal potential. Turin L. **Soc Gen Physiol Ser** 1984;38:345–51

PHYSIOLOGY

Fates and states of determination of single vegetal pole blastomeres of X. laevis. Heasman J, et al. **Cell** 1984 May; 37(1):185–94
Transcriptional activity of blastomeres in mouse embryos during delayed implantation and after oestradiol benzoate-induced resumption of development. Moore GP, et al. **Cell Differ** 1984 Apr;14(1):19–23
Autonomous muscle cell differentiation in partial ascidian embryos according to the newly verified cell lineages. Deno T, et al. **Dev Biol** 1984 Aug;104(2):322–8
Differentiation of presumptive primordial germ cell (pPGC)-like cells in explants into PGCs in experimental tadpoles. Ikenishi K, et al. **Dev Biol** 1984 May;103(1):258–62
Myosin rings and spreading in mouse blastomeres. Sobel JS. **J Cell Biol** 1984 Sep;99(3):1145–50
Quantitative lineage analysis of the frog's nervous system. I. Lineages of Rohon-Beard neurons and primary motoneurons. Jacobson M, et al. **J Neurosci** 1984 May; 4(5):1361–9
Determination of excitability types in blastomeres of the cleavage-arrested but differentiated embryos of an ascidian. Hirano T, et al. **J Physiol (Lond)** 1984 Feb;347:301–25
Experimental chimaerism in sheep. Fehilly CB, et al. **J Reprod Fertil** 1984 Jan;70(1):347–51

ULTRASTRUCTURE

Preimplantation human embryonic development from polypronuclear eggs after in vitro fertilization. Van Blerkom J, et al. **Fertil Steril** 1984 May;41(5):686–96
An improved method for chromosome preparations from preimplantation mammalian embryos, oocytes or isolated blastomeres. Dyban AP. **Stain Technol** 1983 Mar; 58(2):69–72

BLASTOMYCES

CYTOLOGY

Enhancing effect of murine polymorphonuclear neutrophils (PMN) on the multiplication of Blastomyces dermatitidis in vitro and in vivo. Brummer E, et al. **Clin Exp Immunol** 1983 Nov;54(2):587–94

IMMUNOLOGY

Immunohistopathological studies of blastomycosis: the use of labeled specific antigens in a hamster model of disease. Korkij W, et al. **Mycopathologia** 1984 Mar 15;85(1–2):17–20

ISOLATION & PURIFICATION

Dekkera anomala sp. nov., the teleomorph of Brettanomyces anomalus, recovered from spoiled soft drinks. Smith MT, et al. **Antonie Van Leeuwenhoek** 1984;50(2):143–8
Blastomyces dermatitidis in India: first report of its isolation from clinical material. Randhawa HS, et al. **Sabouraudia** 1983 Sep;21(3):215–21

METABOLISM

Inhibition of fermentation and growth in batch cultures of the yeast Brettanomyces intermedius upon a shift from aerobic to anaerobic conditions (Custers effect). Wijsman MR, et al. **Antonie Van Leeuwenhoek** 1984;50(2):183–92
Effects of culture filtrates of Blastomyces dermatitidis on neutrophil locomotion. Mitchell TG, et al. **Sabouraudia** 1984;22(2):145–53

ULTRASTRUCTURE

Ultrastructural aspects of cytoplasmic ribosomes from Histoplasma capsulatum and Blastomyces dermatitidis as revealed by heavy metal staining. Bawdon RE, et al. **Mycopathologia** 1984 Jun 30;86(3):155–63

BLASTOMYCOSIS

Dermatitis due to Sporobolomyces infection. Bergman AG, et al. **Arch Dermatol** 1984 Aug;120(8):1059–60

COMPLICATIONS

Case report: blastomycosis causing sciatic neuritis. Miller-Catchpole R, et al. **Mycopathologia** 1984 Jun 30; 86(3):185–90

DIAGNOSIS

Spinal blastomycosis—case report [letter] Krarup C, et al. **J Neurol Neurosurg Psychiatry** 1984 Feb;47(2):217–8
Blastomycosis of the larynx. Dumich PS, et al. **Laryngoscope** 1983 Oct;93(10):1266–70
Pulmonary blastomycosis in a New York City resident [letter] Mukherji R, et al. **NY State J Med** 1983 Jul–Sep; 83(8–10):1038–9
Blastomyces dermatitidis in India: first report of its isolation from clinical material. Randhawa HS, et al. **Sabouraudia** 1983 Sep;21(3):215–21
Central nervous system and genitourinary blastomycosis: confusion with tuberculosis. Morse HG, et al. **West J Med** 1983 Jul;139(1):99–103

DRUG THERAPY

Failure of ketoconazole in two patients with blastomycosis. Thiele JS, et al. **Am Rev Respir Dis** 1983 Oct;128(4):763–5
Systemic blastomycosis treated with ketoconazole. Hudson CP, et al. **Arch Dermatol** 1984 Apr;120(4):536–8
Blastomycosis of the tibia: case report. Saylor HL 3d, et al. **SD J Med** 1984 Apr;37(4):5–8

ETIOLOGY

Cutaneous blastomycosis: an unusual complication of transtracheal aspiration. Prados MD, et al. **J La State Med Soc** 1983 Aug;135(8):9–10

HISTORY

Stilbamidine: tempus fugit [letter] Miller JM. **NY State J Med** 1984 Jan;84(1):6

IMMUNOLOGY

Development of specific immunity in patients with pulmonary or extrapulmonary blastomycosis. Bradsher RW. **Am Rev Respir Dis** 1984 Mar;129(3):430–4
Activation of murine polymorphonuclear neutrophils for fungicidal activity with supernatants from antigen-stimulated immune spleen cell cultures. Brummer E, et al. **Infect Immun** 1984 Aug;45(2):447–52
Immunohistopathological studies of blastomycosis: the use of labeled specific antigens in a hamster model of disease. Korkij W, et al. **Mycopathologia** 1984 Mar 15;85(1–2):17–20

OCCURRENCE

North American blastomycosis in Africans. Emerson PA, et al. **Br J Dis Chest** 1984 Jul;78(3):286–91
Blastomycosis: a new endemic focus in Canada. Kane J, et al. **Can Med Assoc J** 1983 Oct 1;129(7):728–31

PATHOLOGY

Cerebral blastomycosis: an immunodiagnostic study. Tang TT, et al. **Am J Clin Pathol** 1984 Aug;82(2):243–6
Laryngeal carcinoma—or is it laryngeal blastomycosis. Payne J, et al. **Laryngoscope** 1984 May;94(5 Pt 1):608–11

PHYSIOPATHOLOGY

Pulmonary function studies in diffuse pulmonary North American blastomycosis. Ploysongsang Y, et al. **Am Rev Respir Dis** 1983 Dec;128(6):1095–8

RADIOGRAPHY

Pulmonary blastomycosis: radiologic manifestations. Halvorsen RA, et al. **Radiology** 1984 Jan;150(1):1–5
Miliary pulmonary blastomycosis. Stelling CB, et al. **Radiology** 1984 Jan;150(1):7–13

VETERINARY

Treatment of canine blastomycosis with amphotericin B and ketoconazole. Legendre AM, et al. **J Am Vet Med Assoc** 1984 May 15,184(10):1249–54

BLASTOMYCOSIS, NORTH AMERICAN see **BLASTOMYCOSIS**

BLASTOMYCOSIS, SOUTH AMERICAN see **PARACOCCIDIOIDOMYCOSIS**

BLASTOPORE see **GASTRULA**

BLASTULA see **BLASTOCYST**

BLEEDING TIME see under **PLATELET FUNCTION TESTS**

BLENNORRHEA, INCLUSION see **CONJUNCTIVITIS, INCLUSION**

BLEOMYCINS

Modulation of bleomycin-induced pulmonary fibrosis in the BALB/c mouse by cyclophosphamide-sensitive T cells. Schrier DJ, et al. **Am J Pathol** 1984 Aug;116(2):270–8
In defense of restricting oxygen in bleomycin-treated surgical patients [letter] Goldiner PL, et al. **Anesthesiology** 1984 Aug;61(2):225–7
Iron-bleomycin-deoxyribonucleic acid system. Evidence of deoxyribonucleic acid interaction with the alpha-amino group of the beta-aminoalanine moiety. Albertini JP, et al. **Biochemistry** 1984 Jan 3;23(1):47–53
Interaction of bleomycin A2 with poly(deoxyadenylylthymidylic acid). A proton nuclear magnetic resonance study of the influence of temperature, pH, and ionic strength. Booth TE, et al. **Biochemistry** 1983 Aug 30;22(18):4211–7
The orientation of the ligands in iron(III)-bleomycin intercalated with DNA. Shields H, et al. **Biochim Biophys Acta** 1984 Aug 21;800(3):277–81
Comment on handling of anticancer drugs [letter] Joffe A. **Drug Intell Clin Pharm** 1984 May;18(5):417
Functional analogs of bleomycin: sequence-specific DNA cleavage with porphyrin (Fe) intercalators. Hashimoto Y, et al. **Gann** 1984 Jul;75(7):567–70
Radioiodinated bleomycin: stoichiometry of iodination and structural characterization by 1H-nuclear magnetic resonance. Creekmore JR, et al. **Int J Appl Radiat Isot** 1984 Mar;35(3):189–94
Structure of cupric bleomycin. Nitrogen and proton couplings from EPR and electron nuclear double resonance spectroscopy. Antholine WE, et al. **J Biol Chem** 1984 Apr 10;259(7):4437–40
Measurement of cross-linked elastin synthesis in bleomycin-induced pulmonary fibrosis using a highly sensitive assay for desmosine and isodesmosine. Cantor JO, et al. **J Lab Clin Med** 1984 Mar;103(3):384–92
Inhibition of bleomycin-induced pulmonary fibrosis by lipopolysaccharide. Phan SH, et al. **Lab Invest** 1984 May; 50(5):587–91
Chronic airway obstruction and bronchiectasis in the rat after intratracheal bleomycin. Costa DL, et al. **Lung** 1983; 161(5):287–300
Identification of oligonucleotide fragments produced in a strand scission reaction of the d(C-G-C-G-C-G) duplex by bleomycin. Uesugi S, et al. **Nucleic Acids Res** 1984 Feb 10;12(3):1581–92
Synthesis and reaction of 4'-hydroperoxynucleosides. A model for oxidative degradation of DNA by action of bleomycins. Saito I, et al. **Nucleic Acids Symp Ser** 1983; (12):95–8
Glycosaminoglycan synthesis in bleomycin-induced pulmonary fibrosis: biochemistry and autoradiography. Cantor JO, et al. **Proc Soc Exp Biol Med** 1983 Nov; 174(2):172–81

ADMINISTRATION & DOSAGE

Preirradiation chemotherapy for advanced head and neck carcinomas. Kukla LJ, et al. **Arch Otolaryngol** 1984 Feb; 110(2):78–81
Treatment of bladder cancer with a combination of hyperthermia, radiation and bleomycin. Kubota Y, et al. **Cancer** 1984 Jan 15;53(2):199–202
Studies on anticancer treatment with an oily anticancer drug injected into the ligated feeding hepatic artery for liver cancer. Nakakuma K, et al. **Cancer** 1983 Dec 15; 52(12):2193–200
Delayed-release bleomycin. Comparative pharmacology of bleomycin oil suspension and bleomycin in saline. Slevin ML, et al. **Cancer Chemother Pharmacol** 1984;13(1):19–21
Continuous infusion versus intermittent bolus injection of bleomycin in a human embryonal testicular cancer xenograft. Osieka R, et al. **Cancer Treat Rep** 1984 May; 68(5):799–801
Locally injected bleomycin in the treatment of warts. Munkvad M, et al. **Dermatologica** 1983;167(2):86–9
Thermal enhancement of bleomycin-induced tumour growth delay: the effect of dose fractionation. Hassanzadeh M, et al. **Eur J Cancer Clin Oncol** 1983 Nov;19(11):1517–9
Cervix carcinoma: treatment with combination cisplatin and bleomycin. Daghestani AN, et al. **Gynecol Oncol** 1983 Dec; 16(3):334–9
Synergistic effect of peplomycin in combination with bleomycin on L5178y mouse lymphoma cells in vivo. Müller WE, et al. **J Antibiot (Tokyo)** 1984 Mar;37(3):239–43
Studies on the intracerebral injection of bleomycin free and entrapped within liposomes in the rat. Firth G, et al. **J Neurol Neurosurg Psychiatry** 1984 Jun;47(6):585–9
The syndrome of inappropriate ADH secretion secondary to vinblastine-bleomycin therapy. Ravikumar TS, et al. **J Surg Oncol** 1983 Nov;24(3):242–5
Effect of arterial infusion of bleomycin on esophageal carcinoma—an evaluation by nuclear cytophotometry. Maruta K, et al. **Jpn J Clin Oncol** 1983 Dec;13(4):683–91
Survival after 'palliative' cytotoxic chemotherapy for head-and-neck cancer [letter] Stell PM, et al. **Lancet** 1983 Nov 19;2(8360):1205
Failure of bleomycin to improve the therapeutic effects of a combination of cyclophosphamide, doxorubicin, and cisplatin (CAP) in advanced sarcomas. Edmonson JH, et al. **Med Pediatr Oncol** 1984;12(4):264–6
[Primary chemotherapy combining vincristine, bleomycin, methotrexate and cisplatin systemically or intra-arterially in cancers of the upper respiratory and digestive tracts] Demard F, et al. **Ann Otolaryngol Chir Cervicofac** 1983; 100(8):567–75 (Eng. Abstr.) **(Fre)**
[Comparison of a continuous infusion with a daily bolus

injection of bleomycin in a heterotransplanted human testicular cancer] Osieka R. **Arzneimittelforsch** 1984; 34(4):460–4 (Eng. Abstr.) **(Ger)**

[Studies on the administration of bleomycin in a nude mouse model of squamous cell carcinoma of the mouth. 1. 57Co–bleomycin pharmacokinetics after intratumor and intravenous administration] Henke E, et al. **Radiobiol Radiother (Berl)** 1984;25(1):143–52 (Eng. Abstr.) **(Ger)**

[Multidisciplinary therapy for esophageal carcinoma. Cooperative Study Group for Esophageal Carcinoma] **Gan No Rinsho** 1984 May;30(5):449–54 (Eng. Abstr.) **(Jpn)**

[Bleomycin–adriamycin combination chemotherapy in squamous cell carcinoma of the lung] Hokama S, et al. **Gan To Kagaku Ryoho** 1983 Dec;10(12):2485–92 (Eng. Abstr.) **(Jpn)**

[The evaluation of the treatment for esophageal cancer with tubed solidified bleomycin (TS–BLM)] Watanabe H. **Gan To Kagaku Ryoho** 1984 Aug;11(8):1563–8 (Eng. Abstr.) **(Jpn)**

[Treatment of prostatic cancer by intramuscular administration and intratumor injection of peplomycin] Fujimoto Y, et al. **Hinyokika Kiyo** 1983 Nov; 29(11):1433–41 (Eng. Abstr.) **(Jpn)**

[Experimental study on the mediastinal lymphangiography and intralymphatic chemotherapy] Mitani N. **Igaku Kenkyu** 1983 Dec;53(6):376–96 (Eng. Abstr.) **(Jpn)**

[Experimental and clinical study on the combined therapy with bleomycin and hyperbaric oxgenation] Nagayama T. **Igaku Kenkyu** 1982 Nov;52(5):233–42 (Eng. Abstr.) **(Jpn)**

[Clinico–pathological studies on intramural esophagography—preoperative diagnosis on the depth of invasion and combined local injection of anticancer agents] Tanabe G. **Igaku Kenkyu** 1983 Nov;53(5):266–80 (Eng. Abstr.) **(Jpn)**

[BLM iontophoresis for the treatment of cervical cancer] Koikf K, et al. **Nippon Gan Chiryo Gakkai Shi** 1983 Apr 20;18(3):686–91 (Eng. Abstr.) **(Jpn)**

[Simultaneous treatment of tongue cancer with interstitial brachytherapy and bleomycin] Watarai J, et al. **Nippon Gan Chiryo Gakkai Shi** 1983 Aug 20;18(5):1152–5 (Eng. Abstr.) **(Jpn)**

[Experimental studies on combined chemotherapy with hyperthermia and ethanol for advanced esophageal cancer. II. Effects of combined treatments on tumor growth in tumor–bearing mice] Takiyama W. **Nippon Geka Gakkai Zasshi** 1984 Feb;85(2):110–8 (Eng. Abstr.) **(Jpn)**

[An experimental study in pulmonary and mediastinal lymph flows. The technic of blocking mediastinal lymph flows to the contralateral side and the intralymphatic administration of anti–cancer agents to bilateral mediastinal lymph nodes] Arimura T. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Feb;32(2):131–43 (Eng. Abstr.) **(Jpn)**

[Local treatment of viral warts with bleomycin] Wereide K. **Tidsskr Nor Laegeforen** 1984 Jan 30;104(3):158–9 (Eng. Abstr.) **(Nor)**

[Trial of the use of bleomycin in combination with other chemopreparations for treating the metastases of squamous cell cancer in various sites] Kupchan DZ, et al. **Antibiotiki** 1983 Dec;28(12):912–4 (Eng. Abstr.) **(Rus)**

[Cryodestruction in cancer of the penis] Matveev BP, et al. **Urol Nefrol (Mosk)** 1983 Jul–Aug;(4):38–42 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Factors affecting the pulmonary toxicity of bleomycin. Parvinen LM, et al. **Acta Radiol [Oncol]** 1983;22(6):417–21

Bleomycin–induced changes in the carbon monoxide transfer factor of the lungs and its components. Luursema PB, et al. **Am Rev Respir Dis** 1983 Nov;128(5):880–3

Bleomycin and Raynaud's phenomenon [letter] Adoue D, et al. **Ann Intern Med** 1984 May;100(5):770

Nail dystrophy following intralesional injections of bleomycin for a periungual wart. Miller RA. **Arch Dermatol** 1984 Jul;120(7):963–4

Continuous in–vivo monitoring of arterial oxygen tension in a patient treated with bleomycin. Oxorn DC, et al. **Can Anaesth Soc J** 1984 Mar;31(2):200–5

Idiosyncratic reaction to bleomycin in an epithelial tumor [letter] Inbar MJ, et al. **Cancer Chemother Pharmacol** 1984; 13(1):71–2

Effects of chemotherapeutic agents on hemopoietic stromal tissue: I. Effects of cyclophosphamide and bleomycin on hemopoiesis in subcutaneous femur implants. Adler SS, et al. **Exp Hematol** 1984 Mar;12(3):153–61

Pulmonary veno–occlusive disease after chemotherapy with bleomycin [letter] Rose AG. **Hum Pathol** 1984 Feb; 15(2):199

Bleomycin–induced hypocalcemia? [letter] Urrutia A, et al. **J Cancer Res Clin Oncol** 1984;107(1):64

Pepleomycin–induced pneumonitis resulting in death. Watanabe I, et al. **J Maxillofac Surg** 1984 Jun;12(3):114–7

Unraveling pulmonary fibrosis: the bleomycin model [editorial] Bowden DH. **Lab Invest** 1984 May;50(5):487–8

Bleomycin and periungual warts [letter] Czarnecki D. **Med J Aust** 1984 Jul 7;141(1):40

Bleomycin–induced early–onset transient decrease in platelet counts. Verwey J, et al. **Neth J Med** 1984;27(6):202–5

Influence of platinum–induced renal toxicity on bleomycin–induced pulmonary toxicity in patients with disseminated testicular carcinoma. van Barneveld PW, et al. **Oncology** 1984;41(1):4–7

Pulmonary veno–occlusive disease due to bleomycin therapy for lymphoma. Case reports. Rose AG. **S Afr Med J** 1983 Oct 8;64(16):636–8

Reversible pulmonary injury after a small dose of bleomycin. McCusker K, et al. **South Med J** 1983 Nov;76(11):1447–9

[Pulmonary toxicity of cytotoxic agents] Nouwynck C, et al. **Rev Med Brux** 1984 Apr;5(4):285–7 (Eng. Abstr.) **(Fre)**

[Digital necrosis following bleomycin (letter)] Capron J, et al. **Therapie** 1984 Jan–Feb;39(1):54–5 **(Fre)**

[Bleomycin–induced linear hyperpigmentation] Schuler G, et al. **Hautarzt** 1984 Jul;35(7):383–6 (Eng. Abstr.) **(Ger)**

[Pulmonary side effects of bleomycin therapy] Andler W. **Klin Padiatr** 1984 Jan–Feb;196(1):47–8 (Eng. Abstr.) **(Ger)**

[Bleomycin–induced pulmonary infiltrations in the treatment of testicular cancer] Clemm C, et al. **Klin Wochenschr** 1984 Feb 1;62(3):138–44 (Eng. Abstr.) **(Ger)**

[Roentgeno–morphological pulmonary changes following bleomycin therapy] Gerlach A, et al. **Radiologe** 1984 Mar; 24(3):125–9 (Eng. Abstr.) **(Ger)**

[Antineoplastic drug–induced pneumonitis–fibrosis] Oizumi K, et al. **Gan No Rinsho** 1984 Jul;30(9 Suppl):1217–24 (Eng. Abstr.) **(Jpn)**

[Pulmonary complications caused by postoperative irradiation and bleomycin administration for esophageal cancer, with special reference to acute interstitial pneumonitis] Kitamura M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Dec; 31(12):2128–37 (Eng. Abstr.) **(Jpn)**

[Pulmonary fibrogenetic activities of pepleomycin] Kiuchi H. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Sep; 21(9):823–8 (Eng. Abstr.) **(Jpn)**

[Experimental bleomycin lung injury and preventive effects of urokinase] Shirakusa T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Sep; 21(9):812–22 (Eng. Abstr.) **(Jpn)**

[Bleomycin and anesthesia] Galván R, et al. **Rev Esp Anestesiol Reanim** 1984 Jan–Feb;31(1):34–5 **(Spa)**

BLOOD

Kinetics of 57Co–bleomycin in sheep after intra–arterial injection in the head and neck region. Bier J, et al. **Recent Results Cancer Res** 1983;86:141–51

CHEMICAL SYNTHESIS

An improved total synthesis of bleomycin [letter] Saito S, et al. **J Antibiot (Tokyo)** 1983 Jan;36(1):92–5

DIAGNOSTIC USE

Scintigraphy with 57Co–bleomycin in the detection of lung cancer. A review of 268 well–documented patients. Nieweg OE, et al. **Cancer** 1984 Apr 15;53(8):1675–81

Lung cancer detection using a miniature sodium iodide detector and cobalt–57 bleomycin. Woolfenden JM, et al. **Chest** 1984 Jan;85(1):84–8

Stability of 111In–bleomycin in vivo—properties compared with 57Co–bleomycin. Hou DY, et al. **Eur J Nucl Med** 1983;8(12):535–40

Pharmacokinetics of indium–111 BLEDTA in man. Sartoris DJ, et al. **Invest Radiol** 1984 May–Jun;19(3):221–7

A new 111In–bleomycin complex for tumor imaging: preparation, stability, and distribution in glioma–bearing mice. Hou DY, et al. **J Surg Oncol** 1984 Mar;25(3):168–75

The place of 57Co–bleomycin in the evaluation of tumours. Frederiksen PB, et al. **Nuklearmedizin** 1983 Oct; 22(5):219–25

51Cr–bleomycin in the diagnosis of ocular melanoma. Liniecki J, et al. **Nuklearmedizin** 1983 Dec;22(6):306–8

[Application of computerized tomoscintigraphy in the detection of tumors using cobalt–57–marked bleomycin] Slosman D, et al. **Schweiz Med Wochenschr** 1984 Jul 28; 114(30):1052–7 (Eng. Abstr.) **(Fre)**

[Scintigraphy using labeled bleomycin and lung neoplasms] Slosman D, et al. **Schweiz Med Wochenschr** 1983 Oct 15; 113(41):1508–12 (Eng. Abstr.) **(Fre)**

METABOLISM

Nucleotide sequence cleavage of guanine–modified DNA with aflatoxin B1, dimethyl sulfate, and mitomycin C by bleomycin and deoxyribonuclease I. Suzuki T, et al. **Biochem Biophys Res Commun** 1983 Dec 28;117(3):916–22

Cobalt–bleomycins and deoxyribonucleic acid: sequence–dependent interactions, action spectrum for nicking, and indifference to oxygen. Chang CH, et al. **Biochemistry** 1984 May 8;23(10):2268–74

Characterization of the association of radiolabeled bleomycin A2 with HeLa cells. Roy SN, et al. **Cancer Res** 1984 Apr; 44(4):1541–6

Requirement of macromolecular complex formation for selective lymphatic transfer of bleomycin from large intestine by bifunctional delivery system. Yoshikawa H, et al. **Chem Pharm Bull (Tokyo)** 1983 Nov;31(11):4070–6

Mechanism of transfer of bleomycin into lymphatics by bifunctional delivery system via lumen of small intestine. Yoshikawa H, et al. **Chem Pharm Bull (Tokyo)** 1983 May; 31(5):1726–32

Labeled bleomycin as a tumor localizing agent III. Selectivity of tumor tissue uptake of the different forms of [57Co] bleomycin A2 and B2. Vos CM, et al. **Int J Nucl Med Biol** 1982;9(4):237–43

Effect of adjuvants on the rectal absorption and lymphatic uptake of pepleomycin in rats. Nishihata T, et al. **J Pharmacobiodyn** 1984 May;7(5):278–85

Pulmonary fate of [3H]bleomycin A2 in mice. Lazo JS, et al. **J Pharmacol Exp Ther** 1984 Jan;228(1):13–8

Uptake of labelled tallysomycin by solid Ehrlich ascites tumors in mice. Liniecki J, et al. **Nuklearmedizin** 1983 Jun; 22(3):159–61

Activation of bleomycin A2 to a DNA–damaging intermediate by phorbol ester–stimulated human polymorphonuclear leukocytes. Trush MA. **Toxicol Lett** 1984 Mar;20(3):297–302

[Pharmacokinetics of 57Co–bleomycin A5 in the body of animals with various inoculated tumors] Petriev VM, et al. **Radiobiol Radiother (Berl)** 1983;24(6):769–77 (Eng. Abstr.) **(Ger)**

[Study on enhancement of the permeability of drugs to the wall of the urinary bladder by hyperthermia with lidocaine] Takahashi Y. **Nippon Hinyokika Gakkai Zasshi** 1983 Sep; 74(9):1518–25 (Eng. Abstr.) **(Jpn)**

[Characteristics of 57Co–bleomycetin accumulation in the primary tumor and in its metastases to the lungs in mice with Lewis carcinoma] Vatin OE, et al. **Antibiotiki** 1983 Sep;28(9):686–9 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Characteristics of cultured lung fibroblasts from bleomycin–treated rats. Comparisons with in vitro exposed normal fibroblasts. Absher M, et al. **Am Rev Respir Dis** 1984 Jan;129(1):125–9

Bleomycin stimulates both membrane (Na+–K+) ATPase and electrogenic (Na+–K+) pump and partially removes the inhibition by vanadium ions. Vyskocil F, et al. **Biochem Biophys Res Commun** 1983 Oct 31;116(2):783–90

Non–protein–bound iron within bacterial cells and the action of bleomycin. Gutteridge JM, et al. **Biochem Int** 1984 Jan; 8(1):89–94

New type of recovery in HeLa cells exposed to bleomycin. Miyamoto T, et al. **Br J Cancer** 1984 Feb;49(2):247–9

Interactions of radiation and adriamycin, bleomycin, mitomycin C or cis–diamminedichloroplatinum II in intestinal crypt cells. von der Maase H. **Br J Cancer** 1984 Jun;49(6):779–86

Kinetics and extent of repair of bleomycin–induced chromosome damage in quiescent normal human fibroblasts and human mononuclear blood cells. Sen P, et al. **Cancer Res** 1984 Feb;44(2):591–6

Effect of human fibroblast interferon on the antiviral activity of mammalian cells treated with bleomycin, vincristine, or mitomycin C. Suhadolnik RJ, et al. **Cancer Res** 1983 Nov; 43(11):5462–6

Responses of Huntington's disease and ataxia telangiectasia lymphoblastoid cells to bleomycin. Imray FP, et al. **Chem Biol Interact** 1983 Dec;47(3):325–36

The effect of bleomycin on DNA in Escherichia coli K12 cells. Yamamoto K, et al. **Chem Biol Interact** 1984 Sep 15;51(2):233–46

Genetic activity of bleomycin in Escherichia coli. Yamamoto K, et al. **Chem Biol Interact** 1984 Feb;48(2):145–52

Interactions of ascorbic acid supplementation and bleomycin instillation on murine lung connective tissue metabolism. Dubick MA, et al. **Drug Nutr Interact** 1983;2(2):105–15

Uptake of 67Ga in the lung of mice during bleomycin treatment. Sasaki T, et al. **Eur J Nucl Med** 1984;9(2):57–61

The cytogenetic efficiency of the antitumor agents bleomycin and peplomycin is enhanced by the heart drug verapamil (isoptin). Scheid W, et al. **Experientia** 1984 Jul 15; 40(7):746–7

Differential sensitivity to ethidium bromide of replicative DNA synthesis and bleomycin–induced unscheduled DNA synthesis in permeable mouse sarcoma cells. Seki S, et al. **Experientia** 1984 Aug 15;40(8):869–71

Bleomycin–induced chromosomal aberrations and sister chromatid exchanges in Down lymphocyte cultures. Iijima K, et al. **Hum Genet** 1984;66(1):57–61

Potentiation of T–lymphocyte function by bleomycin. Parker D, et al. **Immunopharmacology** 1984 Apr;7(2):109–13

The role in cancer therapy of inhibiting recovery from PLD induced by radiation or bleomycin. Nakatsugawa S, et al. **Int J Radiat Oncol Biol Phys** 1984 Aug;10(8):1425–30

Bleomycin treatment of chick fibroblasts causes an increase of polysomal type I procollagen mRNAs. Reversal of the bleomycin effect by dexamethasone. Sterling KM Jr, et al. **J Biol Chem** 1983 Dec 10;258(23):14438–44

The combined effects of 60Co gamma–rays and continuous low concentrations of bleomycin on cultured mammalian cells. Kobayashi H, et al. **Nagoya J Med Sci** 1984 Mar; 46(1–4):27–33

Bleomycin—mode of action with particular reference to the cell cycle. Twentyman PR. **Pharmacol Ther** 1983; 23(3):417–41 (175 ref.)

Alteration and activation of sequence–specific cleavage of DNA by bleomycin in the presence of the antitumor drug cis–diamminedichloroplatinum(II). Mascharak PK, et al. **Proc Natl Acad Sci USA** 1983 Nov;80(22):6795–8

Hyperthermic modification of bleomycin—DNA interaction detected by electron spin resonance. Chapman IV, et al. **Radiat Res** 1983 Dec;96(3):518–22

Sensitivity to bleomycin of JTC–11 cells modified by serum concentration and underlaid 3T3 cells. Kimura H, et al. **Sangyo Ika Daigaku Zasshi** 1984 Mar 1;6(1):23–9

Principia of cancer therapy. III. Perpetuation principle of repairable chemotherapeutic damage: cisplatin–bleomycin in vitro. Okuyama s, et al. **Sci Rep Res Inst Tohoku Univ [Med]** 1983 Dec;30(1–4):5–7

Potentiation of bleomycin lethality by anticalmodulin drugs: a role for calmodulin in DNA repair. Chafouleas JG, et al. **Science** 1984 Jun 22;224(4655):1346–8

Enzymes of collagen synthesis in lung tissues of bleomycin–induced pulmonary fibrosis. Bolarin DM, et al. **Toxicol Appl Pharmacol** 1984 Mar 30;73(1):188–91

Studies of the effects of alpha–difluoromethylornithine and ethanol on the pathogenesis of bleomycin–induced pulmonary fibrosis in mice. Frost SB, et al. **Toxicol Appl Pharmacol** 1983 Dec;71(3):307–15

Effect of hyperthermic vesical irrigation with bleomycin on the ultrastructure of the well–differentiated tumour and non–tumorous mucosa of the human urinary bladder. Moriyama N, et al. **Urol Res** 1983;11(3):131–7

Effects of bleomycin on kinetoplast DNA and nuclear DNA in Trypanosoma gambiense using in situ microfluorometry technique. Inoki S, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 Mar; 256(3):300–4

[Effects of bleomycin A5 on cell cycle of Chinese hamster ovary cells] Xue SB, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Jun;5(2):112–4 (Eng. Abstr.) **(Chi)**

[Sensitivity to bleomycin of human cultured tumor cells and analysis of related factors] Urade M, et al. **Gan To Kagaku Ryoho** 1983 Nov;10(11):2382–8 (Eng. Abstr.) **(Jpn)**

[Experimental studies on combined chemotherapy with hyperthermia and ethanol for advanced esophageal cancer. I. In vitro effects of combined treatments on 3H–TdR uptake of FM3A cells by microculture method] Takiyama W. **Nippon Geka Gakkai Zasshi** 1983 Dec;84(12):1251–8 (Eng. Abstr.) **(Jpn)**

RADIATION EFFECTS

Photoactivity of bleomycin. Douglas KT. **Biomed Pharmacother** 1983;37(4):191–3

Photoreactivity of bleomycin and its implications. Douglas KT, et al. **Bull Cancer (Paris)** 1983;70(5):372–80 (37 ref.)

THERAPEUTIC USE

Induction bleomycin infusion in head and neck cancer. Popkin JD, et al. **Am J Clin Oncol** 1984 Jun;7(3):199–204

Supplemental oxygen does not cause respiratory failure in bleomycin–treated surgical patients. LaMantia KR, et al. **Anesthesiology** 1984 Jan;60(1):65–7

Progression of squamous carcinoma in situ of the vulva to invasive carcinoma after systemic bleomycin therapy. Ostor AG, et al. **Aust NZ J Obstet Gynaecol** 1984 Feb;24(1):55–8

Chemotherapy of human head and neck cancer xenografts with three clinically active drugs: cis–platinum, bleomycin and methotrexate. Braakhuis BJ, et al. **Br J Cancer** 1983 Nov;48(5):711–6

The treatment of resistant warts with intralesional bleomycin: a controlled clinical trial. Bunney MH, et al. **Br J Dermatol** 1984 Aug;111(2):197–207

Treatment of keratoacanthoma with intralesional bleomycin. Sayama S, et al. **Br J Dermatol** 1983 Oct;109(4):449–52

Adjuvant treatment using bleomycin in squamous cell carcinoma of penis: study of 19 cases. Maiche AG. **Br J Urol** 1983 Oct;55(5):542–4

Oxygen monitoring of bleomycin–treated patients [letter] Brodsky JB, et al. **Can Anaesth Soc J** 1984 Jul;31(4):488–9

Phase–II study of cis–diammine–dichloro platinum (cis–platinum), bleomycin and methotrexate for advanced squamous cell carcinoma of head and neck. Espana P, et al. **Cancer Chemother Pharmacol** 1984;12(2):98–100

Phase II evaluation of bleomycin in patients with advanced epithelial ovarian cancer. Blackledge G, et al. **Cancer Treat Rep** 1984 Mar;68(3):549–50

Different metastatic potential of in vitro and in vivo lines selected from Lewis lung carcinoma: correlation with response to different bleomycin schedulings. Sacchi A, et al. **Invasion Metastasis** 1981;1(4):227–38

Chemotherapy for multifocal eosinophilic granuloma of bone. Marshall ME. **J Ky Med Assoc** 1983 Aug;81(8):617–20

Clinical course of diffuse invasive carcinoma of the tongue excised after Bleomycin treatment. Yamamoto E, et al. **J Maxillofac Surg** 1983 Dec;11(6):269–74

Studies on the use of antimitotic drugs entrapped within liposomes and of their action on a human glioma cell line. Firth G, et al. **J Neurol Sci** 1984 Feb;63(2):153–65

Bleomycin and brain tumors. A review. Morantz RA, et al. **J Neurooncol** 1983;1(3):249–55

Sequential trials of methotrexate, cisplatin and bleomycin for penile cancer. Ahmed T, et al. **J Urol** 1984 Sep;132(3):465–8

Experimental study on trans–nodal cancer chemotherapy for metastatic lymph nodes. Natsuda Y, et al. **Jpn J Surg** 1983 Jul;13(4):368–72

Enhanced antitumor effects of bleomycin and moderate hyperthermia by additional use of ethanol. Takiyama W, et al. **Jpn J Surg** 1984 May;14(3):262–4

Bleomycin and periungual warts [letter] Abbott L. **Med J Aust** 1984 Sep 1;141(5):311

Bleomycin in verrucous squamous cell carcinoma of the oesophagus. Sakurai T, et al. **Postgrad Med J** 1983 Sep; 59(695):578–80

Treatment of advanced epidermoid carcinoma of the head and neck using methotrexate, bleomycin and cis–platinum. Orsini MA, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1984 Spring; 37(1):71–6

[Successful bleomycin treatment of bronchopulmonary papillomatosis in a child] Mutz I, et al. **Monatsschr Kinderheilkd** 1983 Jul;131(7):464–6 (Eng. Abstr.) **(Ger)**

[Bleomycin in the treatment of squamous cell carcinoma of the penis and bladder] Rathert P. **Urologe [Ausg A]** 1983 Sep;22 Suppl:322–4 (Eng. Abstr.) **(Ger)**

[Anticancer effect of peplomycin on advanced recurrent breast cancer] Nakanishi Y, et al. **Gan To Kagaku Ryoho** 1984 Jul;11(7):1428–33 (Eng. Abstr.) **(Jpn)**

[Combined treatment of esophageal cancer with radiation and bleomycin. Part. VI. Long–term results and 3–year survivors] Nemoto K, et al. **Gan To Kagaku Ryoho** 1984 Jan;11(1):117–22 (Eng. Abstr.) **(Jpn)**

[Results of combined therapy of irradiation and bleomycin suppository for advanced uterine cervical cancer] Saito H, et al. **Gan To Kagaku Ryoho** 1984 Sep;11(9):1789–93 (Eng. Abstr.) **(Jpn)**

[Therapeutic effect of peplomycin in cervical cancer, with special reference to pathohistological studies] Noda K, et al. **Nippon Gan Chiryo Gakkai Shi** 1983 Oct 20; 18(7):1921–31 (Eng. Abstr.) **(Jpn)**

[Experimental intravesical treatment of bladder tumor with Concanavalin–A conjugated bleomycin] Akaza H, et al. **Nippon Hinyokika Gakkai Zasshi** 1984 Feb;75(2):211–4 (Eng. Abstr.) **(Jpn)**

[Combination therapy of radiation and bleomycin for esophageal carcinoma, with special reference to the prognostic aspect] Yamada S, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1983 Oct 25; 43(10):1183–93 (Eng. Abstr.) **(Jpn)**

[Use of bleomycetin in malignant testicular tumors and the problem of studying bleomycin analogs] Lichinitser MR, et al. **Antibiotiki** 1984 Jun;29(6):468–73 (Eng. Abstr.) **(Rus)**

[Belomycetin in the combined chemotherapy of testicular tumors] Manziuk LV, et al. **Antibiotiki** 1983 Aug; 28(8):632–4 (Eng. Abstr.) **(Rus)**

[Common warts and bleomycin. Report of 100 cases] Ramírez O. **Med Cutan Iber Lat Am** 1983;11(5):337–42 (Eng. Abstr.) **(Spa)**

TOXICITY

Protective effect of hypoxia on bleomycin lung toxicity in the rat. Berend N. **Am Rev Respir Dis** 1984 Aug; 130(2):307–8

Pulmonary endothelial dysfunction in the presence or absence of interstitial injury induced by intratracheally injected bleomycin in rabbits. Catravas JD, et al. **Am Rev Respir Dis** 1983 Oct;128(4):740–6

Neutrophil chemotactic activity generation by alveolar macrophages after bleomycin injury. Wesselius LJ, et al. **Am Rev Respir Dis** 1984 Mar;129(3):485–90

Bleomycin–induced chromosome damage in lymphocytes of medullary thyroid carcinoma patients and their family members. Cherry LM, et al. **Anticancer Res** 1983 Nov–Dec; 3(6):367–72

Synergistic interactions of ethidium bromide and bleomycin on cellular DNA and growth inhibition. Agostino MJ, et al. **Biochem Biophys Res Commun** 1984 Apr 16; 120(1):156–63

Production of a monoclonal antibody–bleomycin conjugate utilizing dextran T–40 and the antigen–targeting cytotoxicity of the conjugate. Manabe Y, et al. **Biochem Biophys Res Commun** 1983 Sep 30;115(3):1009–14

Enhancement of bleomycin–mediated DNA damage by epidermal microsomal enzymes. Bickers DR, et al. **Biochim Biophys Acta** 1984 Apr 5;781(3):265–72

A comparison of the pulmonary toxicity and chemotherapeutic activity of bleomycin–BAPP to bleomycin and pepleomycin. Ginsburg E, et al. **Cancer Chemother Pharmacol** 1984;12(2):111–5

Bleomycin cytotoxicity is prevented by superoxide dismutase in vitro. Cunningham ML, et al. **Cancer Lett** 1983 Dec; 21(2):149–53

Effect of step–down heating on the cytotoxicity of adriamycin, bleomycin, and cis–diamminedichloroplatinum. Herman TS, et al. **Cancer Res** 1984 May;44(5):1823–6

Abnormal response of xeroderma pigmentosum cells to bleomycin. Hurt MM, et al. **Cancer Res** 1984 Oct; 44(10):4396–402

Proliferative kinetics and chromosome damage in trisomy 21 lymphocyte cultures exposed to gamma–rays and bleomycin. Morimoto K, et al. **Cancer Res** 1984 Apr; 44(4):1499–504

Pharmacology and neurotoxicity of cis–diamminedichloroplatinum, bleomycin, 5–fluorouracil, and cyclophosphamide administration following osmotic blood–brain barrier modification. Neuwelt EA, et al. **Cancer Res** 1983 Nov;43(11):5278–85

Lethal effect of bleomycin and peplomycin on HeLa cells in multicell tumor spheroids. Sasaki T, et al. **Cancer Res** 1984 Apr;44(4):1374–9

Differences in effects of immediate and delayed hyperoxia exposure on bleomycin–induced pulmonary injury. Tryka AF, et al. **Cancer Treat Rep** 1984 May;68(5):759–64

Bleomycin–induced chromosome breakage in G2 lymphocytes of retinoblastoma patients. Chaum E, et al. **Cytogenet Cell Genet** 1984;38(2):152–4

The toxicological evaluation of tallysomycin s10b—biosynthetic tallysomycin derivative. Buroker RA, et al. **Drug Chem Toxicol** 1984;7(3):259–72

Drug–induced pulmonary fibrosis. Adamson IY. **Environ Health Perspect** 1984 Apr;55:25–36 (50 ref.)

Two types of lethal damage induced by pepleomycin in cultured Chinese hamster V79 cells. Saito T, et al. **Gann** 1984 Feb;75(2):143–50

Differential cytotoxicity of cis–platinum and blenoxane against human carcinoma KBE cells in multicellular spheroids of different ages: response at different temperatures. Meltz ML, et al. **Int J Radiat Oncol Biol Phys** 1983 Dec;9(12):1815–23

Amplification of the antitumor activity of phleomycins in rats and mice by heterocyclic analogues of purines. Allen TE, et al. **J Antibiot (Tokyo)** 1984 Apr;37(4):376–83

Effect of oxygen concentration on pulmonary fibrosis caused by peplomycin in mice. Ekimoto H, et al. **J Antibiot (Tokyo)** 1984 Jun;37(6):659–63

Peplomycin sulfate and pulmonary fibrosis: hydroxyproline, uronic acid, proline hydroxylase and glucosamine 6–phosphate synthetase in lungs of hamsters treated with peplomycin. Yoshida A, et al. **J Antibiot (Tokyo)** 1983 Aug; 36(8):1067–75

Inhibition of the genotoxicity of bleomycin by superoxide dismutase. Cunningham ML, et al. **Mutat Res** 1984 Mar; 135(3):199–202

Differential effects of UV protecting plasmid pKM101 and its derivative pGW16 on phleomycin sensitivity and mutagenesis in S. typhimurium. Podger DM, et al. **Mutat Res** 1984 Jun–Jul;140(2–3):87–91

Carcinogenicity of bleomycin sulfate and peplomycin sulfate after repeated subcutaneous application to rats. Habs M, et al. **Oncology** 1984;41(2):114–9

The effect of bleomycin and oxygen on rat lung. Berend N. **Pathology** 1984 Apr;16(2):136–9

Effects of intratracheal administration of bleomycin on GSH–shuttle enzymes, catalase, lipid peroxidation, and collagen content in the lungs of hamsters. Giri SN, et al. **Toxicol Appl Pharmacol** 1983 Oct;71(1):132–41

Fibrogenic structure–activity study of the bleomycin molecule. Newman RA, et al. **Toxicol Appl Pharmacol** 1983 Sep 30;70(3):373–81

[Pulmonary toxicity of bleomycin in the rabbit: histophysiological and anatomo–radiological correlations] Bellet–Barthas M, et al. **Toxicol Eur Res** 1983 May; 5(3):113–6 (Eng. Abstr.) **(Fre)**

[Changes of anticancer activity and pulmonary toxicity of bleomycins in differences of administration schedules and routes in mice] Ekimoto H, et al. **Gan To Kagaku Ryoho** 1984 Apr;11(4):853–7 (Eng. Abstr.) **(Jpn)**

[Experimentally induced bleomycin pulmonary toxicity—comparison of the systemic (intraperitoneal) and local (intratracheal) administration] Ekimoto H, et al. **Gan To Kagaku Ryoho** 1983 Dec;10(12):2550–7 (Eng. Abstr.) **(Jpn)**

BLEPHARITIS see under **EYELID DISEASES**

BLEPHAROPTOSIS

CHEMICALLY INDUCED

Pyrroloisoquinoline antidepressants. Potent, enantioselective inhibition of tetrabenazine–induced ptosis and neuronal uptake of norepinephrine, dopamine, and serotonin. Maryanoff BE, et al. **J Med Chem** 1984 Aug;27(8):943–6

COMPLICATIONS

Blepharoptosis in myasthenia gravis. Castronuovo S, et al. **Ann Ophthalmol** 1983 Aug;15(8):751–4

Marcus Gunn jaw winking and Duane's retraction syndrome. Isenberg S, et al. **J Pediatr Ophthalmol Strabismus** 1983 Nov–Dec;20(6):235–7

Malignant hyperthermia. Marmor M. **Surv Ophthalmol** 1983 Sep–Oct;28(2):117–27 (45 ref.)

[A contribution on Crouzon's disease] Pittke EC. **Klin Monatsbl Augenheilkd** 1983 Aug;183(2):122–7 (Eng. Abstr.) **(Ger)**

[Refractive errors, amblyopia and strabismus in congenital ptosis] Stärk N, et al. **Klin Monatsbl Augenheilkd** 1984 Jan; 184(1):37–9 (Eng. Abstr.) **(Ger)**

[The Marcus Gunn syndrome] Ciofu C, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1983 Jul–Sep; 32(3):267–8 **(Rum)**

CONGENITAL

Progeria with Marcus–Gunn phenomenon [letter] Gupte S. **Indian Pediatr** 1983 Sep;20(9):694–5

Congenital bilateral recurrent nerve paralysis and ptosis: a

new syndrome? Tucker HM. **Laryngoscope** 1983 Nov;93(11 Pt 1):1405–7
The Marcus Gunn phenomenon. A review of 71 cases. Pratt SG, et al. **Ophthalmology** 1984 Jan;91(1):27–30

DIAGNOSIS

Upside down ptosis in patients with Horner's syndrome. Nielsen PJ. **Acta Ophthalmol (Copenh)** 1983 Oct;61(5):952–7
[Clinical, morphological and biochemical findings in the Kearns–Sayre syndrome] Hammerstein W, et al. **Fortschr Ophthalmol** 1983;80(3):193–200 (Eng. Abstr.) **(Ger)**
[Ophthalmoplegia plus. On nosologic, biochemical, morphologic and computer tomographic aspects of the oculocraniosomatic syndrome] Lössner J, et al. **Psychiatr Neurol Med Psychol Beih** 1983;29:184–95 **(Ger)**
[Value of drop tests in the diagnosis of Raeder's syndrome] Lubiński I, et al. **Wiad Lek** 1983 Oct 15;36(20):1741–5 (Eng. Abstr.) **(Pol)**

ETIOLOGY

Mitochondrial myopathy as a cause of ptosis and ophthalmoplegia in elderly females. Kamieniecka Z, et al. **Acta Ophthalmol (Copenh)** 1984 Jun;62(3):401–12
Acquired ptosis in patients undergoing upper eyelid blepharoplasty. Patipa M, et al. **Ann Ophthalmol** 1984 Mar; 16(3):266, 268–70
Levator injury during blepharoplasty. Baylis HI, et al. **Arch Ophthalmol** 1984 Apr;102(4):570–1
Narrowing of the palpebral fissure in diabetes. Bastiaensen LA. **Doc Ophthalmol** 1983 Dec 15;56(1–2):5–10
Transient ptosis secondary to giant papillary conjunctivitis in a hydrogel lens patient. Molinari JF. **J Am Optom Assoc** 1983 Nov;54(11):1007–9
Differential diagnosis of ptosis: report of a case of myasthenia gravis in a patient with diabetes and thyroid disease. Norman RA. **J Am Osteopath Assoc** 1984 Mar;83(7):523–6
Ocular myasthenia presenting as superior oblique weakness. Rush JA, et al. **J Clin Neuro Ophthalmol** 1982 Jun; 2(2):125–7
Intranuclear inclusions in oculopharyngeal dystrophy [letter] Smith TW, et al. **Muscle Nerve** 1984 May;7(4):339–40
Dehiscence or tear of the levator aponeurosis as a cause of ptosis in children. Marion JR. **NC Med J** 1983 Oct; 44(10):635–6
The argument against imbricating the rectus muscles over spherical orbital implants after enucleation. Allen L. **Ophthalmology (Rochester)** 1983 Sep;90(9):1116–20
[Ocular manifestations in myasthenia] Soyeux A, et al. **Bull Soc Ophtalmol Fr** 1983 Apr;83(4):557–62 (Eng. Abstr.) **(Fre)**
[Oculomotor forms of myasthenia] Contamin F, et al. **J Fr Ophtalmol** 1984;7(1):57–62 (Eng. Abstr.) **(Fre)**
[Oculo–palpebral paralysis of vertical gaze and skew–deviation revealing a cyst of the cavum vergae] Rousseaux M, et al. **Rev Otoneuroophtalmol** 1983 May–Jun; 55(3):239–49 (Eng. Abstr.) **(Fre)**
[Fatiguability of the ocular musculature in temporal arteritis (letter)] Sanchidrián Fernández P, et al. **Med Clin (Barc)** 1983 Sep 24;81(8):367 **(Spa)**

FAMILIAL & GENETIC

Oculopharyngeal and distal myopathy: a case study from Papua New Guinea. Scrimgeour EM, et al. **Am J Med Genet** 1984 Apr;17(4):763–71

PATHOLOGY

Anatomic changes in involutional blepharoptosis. Shore JW, et al. **Am J Ophthalmol** 1984 Jul 15;98(1):21–7
General fibrosis syndrome. Hiatt RL, et al. **Ann Ophthalmol** 1983 Dec;15(12):1103–9

PHYSIOPATHOLOGY

Assessing levator palpebrae superioris muscle function in infants. Rubin SE, et al. **Am J Ophthalmol** 1984 Sep 15; 98(3):377–8
Auditory brain–stem responses in Marcus Gunn ptosis. Creel DJ, et al. **Electroencephalogr Clin Neurophysiol** 1984 Jul; 59(4):341–4
Internuclear ophthalmoplegia, prenuclear paresis of contralateral superior rectus, and bilateral ptosis. Bogousslavsky J, et al. **J Neurol** 1983;230(3):197–203
[Two types of so–called enhanced ptosis in myasthenia gravis] Hirose K, et al. **Rinsho Shinkeigaku** 1984 Mar; 24(3):240–7 (Eng. Abstr.) **(Jpn)**

SURGERY

Vertical tarsal buckling as a complication of levator aponeurosis repair for acquired blepharoptosis. Patipa M, et al. **Am J Ophthalmol** 1984 Jan;97(1):93–9
The surgical correction of blepharoptosis by using plantaris tendon. Premasathian D. **Ann Acad Med Singapore** 1983 Apr;12(2 Suppl):463–7
Repair of ptosis possibly attributable to the long–term wearing of a contact lens. Uchinuma E, et al. **Ann Plast Surg** 1983 Sep;11(3):252–4
Levator myectomy in synkinetic ptosis. Dillman DB, et al. **Arch Ophthalmol** 1984 Mar;102(3):422–3
The septum orbitale in ptosis surgery. Nabil M, et al. **Br J Plast Surg** 1983 Oct;36(4):507–9
Surgical management of residual ptosis. Betharia SM, et al. **Indian J Ophthalmol** 1983 Jul;31(4):343–5
Silicone slings for the correction of ptosis associated with progressive external ophthalmoplegia. Older JJ, et al. **Ophthalmic Surg** 1984 May;15(5):379–81
Carbon dioxide laser blepharoplasty. Baker SS, et al. **Ophthalmology** 1984 Mar;91(3):238–44
Treatment of congenital ptosis with frontalis suspension: a comparison of suspensory materials. Wagner RS, et al. **Ophthalmology** 1984 Mar;91(3):245–8
Levator aponeurosis surgery for the correction of acquired ptosis. Analysis of 113 procedures. Older JJ. **Ophthalmology (Rochester)** 1983 Sep;90(9):1056–9
[Treatment of severe ptosis by suspension of the upper eyelid using the autogenic frontal muscle and fascia lata. Analysis of 34 interventions] Reny A, et al. **J Fr Ophtalmol** 1983; 6(10):797–807 (Eng. Abstr.) **(Fre)**
[Palliative treatment of longstanding facial paralysis. Use of cutaneous plastic surgery] Capdeville P, et al. **Rev Laryngol Otol Rhinol (Bord)** 1984;105(1):67–8 (Eng. Abstr.) **(Fre)**
[Surgical treatment of ptosis in the Republic of Cuba] Mambetov EK, et al. **Oftalmol Zh** 1983;38(6):377–8 **(Rus)**
[Results of surgical treatment of ptosis of the upper lid] Mikheeva EG, et al. **Oftalmol Zh** 1983;(7):418–20 (Eng. Abstr.) **(Rus)**

BLEPHAROSPASM see under **EYELID DISEASES**

BLIND LOOP SYNDROME

COMPLICATIONS

Bowel–associated dermatosis–arthritis syndrome. Immune complex–mediated vessel damage and increased neutrophil migration. Jorizzo JL, et al. **Arch Intern Med** 1984 Apr; 144(4):738–40
[Digestive hemorrhage caused by a blind intestinal loop. Apropos of 3 cases of rare etiology] Favre JP, et al. **Chirurgie** 1983;109(7):570–5 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Breath hydrogen test in infants and children with blind loop syndrome. Nose O, et al. **J Pediatr Gastroenterol Nutr** 1984 Jun;3(3):364–7

MICROBIOLOGY

Altered motility and duration of bacterial overgrowth in experimental blind loop syndrome. Justus PG, et al. **Dig Dis Sci** 1984 Jul;29(7):643–8

BLIND SPOT see **OPTIC DISK**

BLINDNESS

see related
SENSORY AIDS

Quantitative comparison of alternative sensory displays for mobility aids for the blind. Tachi S, et al. **IEEE Trans Biomed Eng** 1983 Sep;30(9):571–7
Reading material for the blind. **NC Med J** 1983 Oct; 44(10):652–3
What's it like to be visually impaired all your life? Hodgson PK. **NC Med J** 1983 Oct;44(10):648–51
The visually handicapped child. Moller MA. **Pediatr Clin North Am** 1983 Dec;30(6):1185–93
Medical confidentiality and the blind driver [letter] Hill JC, et al. **S Afr Med J** 1984 Apr 21;65(16):632

BLOOD

Use of tactile techniques for self–monitoring of blood glucose in visually impaired patients with diabetes mellitus. Prior JC, et al. **Diabetes Care** 1984 Jul–Aug;7(4):313–7
[Persistence of circadian rhythms of plasma ACTH and corticosterone after pinealectomy in sighted or blind rats] Szafarczyk A, et al. **C R Seances Acad Sci [III]** 1983; 297(9):471–6 (Eng. Abstr.) **(Fre)**

CHEMICALLY INDUCED

Quinine toxicity in pregnancy. Rivera–Alsina ME, et al. **Bol Asoc Med PR** 1984 Mar;76(3):114–5
Loss of sight after self poisoning with quinine. Murray SB, et al. **Br Med J [Clin Res]** 1983 Dec 3;287(6406):1700
[Blockade of the optic nerve caused by retrobulbar anesthesia] Doden W, et al. **Klin Monatsbl Augenheilkd** 1984 Apr;184(4):311–2 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Cortical blindness as a complication of eclampsia. Liebowitz HA, et al. **Ann Emerg Med** 1984 May;13(5):365–7
Monocular blindness with preserved direct and consensual pupillary reflex in multiple sclerosis. Lhermitte F, et al. **Arch Neurol** 1984 Sep;41(9):993–4
Rehabilitation of the blind stroke patient. Wainapel SF. **Arch Phys Med Rehabil** 1984 Aug;65(8):487–9
Why blind diabetics with renal failure should be offered treatment. Flynn CT. **Br Med J [Clin Res]** 1983 Oct 22; 287(6400):1177–8
Neuro–ophthalmic signs of hysteria [letter] Beyer RW. **Neurology (NY)** 1984 Jan;34(1):127
Anton's syndrome accompanying withdrawal hallucinosis in a blind alcoholic. Swartz BE, et al. **Neurology (NY)** 1984 Jul;34(7):969–73
Nystagmus blockage syndrome in the unilaterally blind patient. Reinecke RD. **Trans Pa Acad Ophthalmol Otolaryngol** 1983 Fall; 36(2):156–60
Relationships between mortality, visual acuity and microfilarial load in the area of the Onchocerciasis Control Programme. Kirkwood B, et al. **Trans R Soc Trop Med Hyg** 1983;77(6):862–8

CONGENITAL

Leber's congenital amaurosis associated with familial juvenile nephronophthisis and cone–shaped epiphyses of the hands (the Saldino–Mainzer syndrome). Ellis DS, et al. **Am J Ophthalmol** 1984 Feb;97(2):233–9
Joubert's syndrome with retinal dysplasia: neonatal tachypnoea as the clue to a genetic brain–eye malformation. King MD, et al. **Arch Dis Child** 1984 Aug;59(8):709–18
A syndrome of congenital retinal dystrophy and saccade palsy—a subset of Leber's amaurosis. Moore AT, et al. **Br J Ophthalmol** 1984 Jun;68(6):421–31
Specific spatial defect in a child with septo–optic dysplasia. Griffiths P, et al. **Dev Med Child Neurol** 1984 Jun; 26(3):395–400
The innate vs. the learned: visual imagery and the role of experience. Forrest EB. **J Am Optom Assoc** 1984 Jan; 55(1):43–6

DIAGNOSIS

Amaurosis fugax. A unselected material. Sørensen PN. **Acta Ophthalmol (Copenh)** 1983 Aug;61(4):583–8
Leber's congenital amaurosis in monozygotic twins [letter] Bovino JA, et al. **Am J Ophthalmol** 1984 May;97(5):655

DRUG THERAPY

Nifedipine in the treatment of migraine headache and amaurosis fugax in patients with systemic lupus erythematosus [letter] Miller FW, et al. **N Engl J Med** 1984 Oct 4;311(14):921

ETIOLOGY

Lingual infarction and sudden blindness due to giant cell arteritis. Storm TL, et al. **Acta Med Scand** 1983;214(1):85–6
Cortical blindness as the initial symptom in severe preeclampsia. Goodlin RC, et al. **Am J Obstet Gynecol** 1983 Dec 1;147(7):841–2
Ophthalmomyiasis interna causing visual loss. Edwards KM, et al. **Am J Ophthalmol** 1984 May;97(5):605–10
Transient monocular visual loss from narrow–angle glaucoma. Ravits J, et al. **Arch Neurol** 1984 Sep;41(9):991–3
Cortical blindness after metrizamide myelography. Report of a case and proposed pathophysiologic mechanism. Smirniotopoulos JG, et al. **Arch Neurol** 1984 Feb; 41(2):224–6
Amaurosis fugax. Lethlean AK. **Aust J Ophthalmol** 1983 Nov;11(4):340–1
Causes of binocular legal blindness in an australian metropolitan community. Yeates FM. **Aust J Ophthalmol** 1983 Nov;11(4):321–3
Peripheral arterial occlusion and amaurosis fugax as the first manifestation of polycythemia vera. A case report. Berdel WE, et al. **Blut** 1984 Mar;48(3):177–80
Bilateral central scotomata due to intracranial tumour. Page NG, et al. **Br J Ophthalmol** 1984 Jul;68(7):449–57
Acute blinding sinusitis. Smelt GJ, et al. **Br Med J [Clin Res]** 1983 Oct 8;287(6398):1051–2
Prognosis of the disciform response in high myopia. Fleury I, et al. **Bull Soc Belge Ophtalmol** 1983;206:91–102
Hereditary diseases as causes of blindness in Newfoundland: preliminary report. Green JS, et al. **Can J Ophthalmol** 1983 Oct;18(6):281–4
Post measles blindness. Dekkers NW. **Doc Ophthalmol** 1983 Dec 15;56(1–2):137–41
Causes and prevalence of blindness in the Northern Province of Sierra Leone. Stilma JS, et al. **Doc Ophthalmol** 1983 Dec 15;56(1–2):115–22
Radiation induced amaurosis fugax. Marty AT, et al. **Indiana Med** 1984 Feb;77(2):90–1
Basal encephalocele presenting with monocular visual loss. Monica ML, et al. **J Clin Neuro Ophthalmol** 1984 Mar; 4(1):9–13
Blinding malnutrition [editorial] Ebrahim GJ. **J Trop Pediatr** 1984 Apr;30(2):66–7
Visual loss associated with orbital and sinus diseases. Maniglia AJ, et al. **Laryngoscope** 1984 Aug;94(8):1050–9
Transient post–traumatic cortical blindness: case report. Upson JE, et al. **Milit Med** 1984 Jan;149(1):31–2
Ocular hypertension following Nd:YAG laser capsulotomy: a potentially blinding complication. Vine AK. **Ophthalmic Surg** 1984 Apr;15(4):283–4
Cortical blindness in infancy: a follow–up study. Ronen S, et al. **Ophthalmologica** 1983;187(4):217–21
Amaurosis fugax in a patient with a left ventricular endocardial pacemaker. Schiavone WA, et al. **PACE** 1984 Mar;7(2):288–92
Blindness following lacrimal gland surgery [letter] Hornblass

A, et al. **Plast Reconstr Surg** 1984 Jan;73(1):156
Management of eye disease in the insulin-dependent diabetic patient. Klein R. **Primary Care** 1983 Dec;10(4):677–90
Proposed record card for PBL programmes. Cerulli L, et al.
Rev Int Trach Pathol Ocul Trop Subtrop Sante Publique 1982;59(4):157–64, 179–84 **(Eng, Fre)**
Ocular injuries in Africa. Adala HS. **Soc Sci Med** 1983; 17(22):1729–35
Visual disability and blindness secondary to refractive errors in Africa. Schwab L, et al. **Soc Sci Med** 1983;17(22):1751–4
Cataract: the leading cause of blindness and vision loss in Africa. Steinkuller PG. **Soc Sci Med** 1983;17(22):1693–702
Nutritional blindness in Africa. Steinkuller PG.
Soc Sci Med 1983;17(22):1715–21
Ipsilateral blindness as a complication of carotid artery 'blowout'. Schartenberg JB, et al.
Trans Pa Acad Ophthalmol Otolaryngol 1984 Spring; 37(1):45–8
Fever, rash, and blindness in a previously healthy young male [clinical conference] Sigal SL, et al. **Yale J Biol Med** 1983 May–Jun;56(3):219–29
[Causes of visual loss complicating orbital surgery] Tang BY. **Chung Hua Yen Ko Tsa Chih** 1983 Jul;19(4):238–40 **(Chi)**
[The value of CT scanning in the etiologic appraisal of blindness in children] Desjardins L, et al.
Bull Mem Soc Fr Ophtalmol 1983;95:234–6 **(Fre)**
[2 cases of blindness after a benign cranial injury] Duplantis F, et al. **Union Med Can** 1984 May;113(5):390–2 (Eng. Abstr.) **(Fre)**
[Fundus dystrophy and ceroid-lipofuscinosis] Bischof G, et al. **Fortschr Ophthalmol** 1983;80(2):97–9 (Eng. Abstr.) **(Ger)**
[Postpartum amaurosis in patients with pre-eclampsia] Gyr T, et al. **Z Geburtshilfe Perinatol** 1983 Nov–Dec; 187(6):293–5 (Eng. Abstr.) **(Ger)**
[Sudden loss of vision] Duncker G, et al. **ZFA (Stuttgart)** 1983 Oct 20;59(29):1597–600 **(Ger)**
[Transitory protracted blindness in hemicrania as a result of vasospasm caused by vertebral angiography] Castorina G, et al. **Riv Neurol** 1984 May–Jun;54(3):169–78 (Eng. Abstr.) **(Ita)**
[Case of Horton's arteritis with development of simultaneous bilateral amaurosis] Maggioni F, et al.
Riv Patol Nerv Ment 1983 Jan–Feb;104(1):1–7 (Eng. Abstr.) **(Ita)**
[A case of amaurosis fugax with anomalous origin of the ophthalmic artery and atheromatous stenosis of the external carotid artery] Sawamura Y, et al. **No Shinkei Geka** 1984 Mar;12(3 Suppl):377–81 (Eng. Abstr.) **(Jpn)**
[Arterial hypertension and arteriosclerosis as basic causes of blindness in diabetes mellitus] Pojda SM, et al.
Klin Oczna 1984 Apr;86(4):153–4 (Eng. Abstr.) **(Pol)**
[Risk factors in the loss of vision in diabetic retinopathy treated by xenon photocoagulation] Zygulska-Machowa H, et al. **Klin Oczna** 1983 Apr;85(4):167–8 (Eng. Abstr.) **(Pol)**
[Etiopathogenesis and clinical aspects of cortical blindness] Kanios K. **Wiad Lek** 1983 Apr 15;36(8):653–5 (Eng. Abstr.) **(Pol)**
[Hysterical amaurosis] Segal N. **Rev Chir [Oftalmol]** 1984 Apr–Jun;28(2):103–8 (Eng. Abstr.) **(Rum)**
[Rare complication after relaparotomy] Krivitskiĭ DI, et al. **Klin Khir** 1984 Jun;(6):64 **(Rus)**
[Information on the etiology of disability in uveitis] Zaĭtseva NS, et al. **Vestn Oftalmol** 1984 Mar–Apr;(2):43–5 (Eng. Abstr.) **(Rus)**
[Case of foreign bodies entering the maxillary sinus complicated by pansinusitis, orbital phlegmon and blindness] Timirgaleev MKh. **Vestn Otorinolaringol** 1983 Jul–Aug;(4):64 **(Rus)**
[Occipital infarct after an episode of eclampsia. Importance of computerized axial tomography] Ferrando M, et al.
Rev Clin Esp 1984 May 15;173(3):183–4 **(Spa)**

FAMILIAL & GENETIC

Interstitial del(13q) associated with blindness and mental retardation. Juberg RC, et al. **Am J Med Genet** 1984 Mar; 17(3):609–13
Investigations of some hereditary eye diseases causing blindness. Cao DJ. **Chin Med J [Engl]** 1984 Mar;97(3):223–8
Cell dysfunction in inherited blindness. Lolley RN.
Trans Ophthalmol Soc UK 1984;103 (Pt 4):438–43

HISTORY

[From the history of the Educational Institute for the Blind in Lvov 1851–1918] Stepak S. **Klin Oczna** 1984 Apr; 86(4):181–3 (Eng. Abstr.) **(Pol)**

OCCURRENCE

Visual loss in geriatric residents of northwestern Ohio nursing homes. Kiess RD, et al. **Ohio State Med J** 1984 Mar; 80(3):235–7
Some geographic, environmental and nutritive concomitants of malignant myopia. Daubs JG.
Ophthalmic Physiol Opt 1984;4(2):143–9
Assessment of ocular status of the population in a province of Ethiopia. Cerulli L, et al.
Rev Int Trach Pathol Ocul Trop Subtrop Sante Publique 1982;59(4):143–55, 171–8 **(Eng, Fre)**
Epidemiological study on causes of blindness among students of a school for blind in Ethiopia. Cerulli L, et al.
Rev Int Trach Pathol Ocul Trop Subtrop Sante Publique 1982;59(4):135–41, 165–70 **(Eng, Fre)**
Preliminary epidemiological study on the causes of blindness in one region of Ethiopia. Cerulli L, et al.
Rev Int Trach Pathol Ocul Trop Subtrop Sante Publique 1981;(3–4):116–29, 157–61 **(Eng, Fre)**
The epidemiology of trachoma blindness in southern Africa. Kok PW. **Soc Sci Med** 1983;17(22):1709–13
Onchocerciasis: a major social problem in West Africa. Quarcoopome CO. **Soc Sci Med** 1983;17(22):1703–7
Prevalence and causes of vision loss in southern Sudan. Tizazu T, et al. **Soc Sci Med** 1983;17(22):1785–8
[Blindness in the developing countries—causes and measures] Thylefors B. **Lakartidningen** 1983 Nov 2;80(44):4153–7 **(Swe)**

PATHOLOGY

Leber's congenital amaurosis in a patient with normal amino acid metabolism and fundus features characteristic of gyrate atrophy [letter] Mizuno K, et al. **Am J Ophthalmol** 1983 Dec;96(6):806–7
The Alström syndrome: ophthalmic histopathology and retinal ultrastructure. Sebag J, et al. **Br J Ophthalmol** 1984 Jul;68(7):494–501
A comparison of visual callosal organization in normal, bilaterally enucleated and congenitally anophthalmic mice. Rhoades RW, et al. **Exp Brain Res** 1984;56(1):92–105

PHYSIOPATHOLOGY

Further evidence that circadian rhythm of blinded rat pups is entrained by the nursing dam. Takahashi K, et al.
Am J Physiol 1984 Mar;246(3 Pt 2):R359–63
Response of the cortically blind hemifields to a moving visual scene. Pizzamiglio L, et al. **Cortex** 1984 Mar;20(1):89–99
Progonadal effect of melatonin on dark exposed or blinded male toads, Bufo melanostictus. Chanda S, et al.
Folia Biol (Krakow) 1983;31(3):297–301
The radioimmunoassay of alpha-melanocyte-stimulating hormone and endorphin in trout (Salmo gairdneri) and the effect of blinding on the plasma levels of these peptides. Rodrigues KT, et al. **Gen Comp Endocrinol** 1984 Apr; 54(1):69–75
Dynamic topography of visual evoked potentials and extrageniculate projection in case of Riddoch phenomenon. Tsutsui J, et al. **Jpn J Ophthalmol** 1984;28(1):20–30
Coincidence of counter-antigonadal and counter-antithyroid action of melatonin administration via the drinking water in male golden hamsters. Vriend J, et al. **Life Sci** 1984 Feb 13;34(7):617–23
Entrainment of the circadian rhythms of blinded infant rats by nursing mothers. Takahashi K, et al. **Physiol Behav** 1983 Sep;31(3):373–8
Lung volume and exercise ventilation in blind and normal boys and girls. Sundberg S. **Respiration** 1983;44(6):444–9
[Olfacto-gustatory factors in spatial perception in patients with severe visual disorders] Kolín J, et al.
Cesk Otolaryngol 1984 Apr;33(2):99–102 (Eng. Abstr.) **(Cze)**
[Dynamic topography of visual evoked potentials and possible extrageniculate projection in Riddoch's phenomenon] Tsutsui J, et al.
Nippon Ganka Gakkai Zasshi 1983;87(10):876–85 (Eng. Abstr.) **(Jpn)**

PREVENTION & CONTROL

Worldwide prevention of blindness [letter] Kupfer C.
Acta Ophthalmol (Copenh) 1984 Feb;62(1):176
Worldwide prevention of blindness [editorial] Kupfer C.
Am J Ophthalmol 1983 Oct;96(4):543–5
Blindness and LeFort III fractures. Weymuller EA Jr.
Ann Otol Rhinol Laryngol 1984 Jan–Feb;93(1 Pt 1):2–5
Foresight prevents blindness [editorial] Hunter WS.
Can J Ophthalmol 1984 Apr;19(3):105–6
An approach to the prevention of blindness in diabetes. Herman WH, et al. **Diabetes Care** 1983 Nov–Dec; 6(6):608–13 (60 ref.)
Prevention of blindness in diabetic retinopathy. Kohner EM, et al. **Diabetologia** 1984 Mar;26(3):173–9 (50 ref.)
Blindness: the physician's role in prevention. Hiatt RL.
Geriatrics 1983 Dec;38(12):97–99
Geriatric blindness: a neglected public health problem. Wineburg RJ. **Health Soc Work** 1984 Winter;9(1):36–41
Worldwide prevention of blindness. Kupfer C.
Indian J Ophthalmol 1983 Jul;31(4):463–5
World Health Organization's programme on the prevention of blindness. Ladnyi ID, et al.
J Hyg Epidemiol Microbiol Immunol 1983;27(4):365–71
Prevent blindness from glaucoma. Mukherji R.
J Indian Med Assoc 1984 Feb;82(2):71
Photocoagulation in the prevention of blindness due to diabetic retinopathy: a review. Kohner EM.
J R Soc Med 1984 Mar;77(3):227–33 (21 ref.)
Impact of massive doses of vitamin A on incidence of nutritional blindness. Vijayaraghavan K, et al. **Lancet** 1984 Jul 21;2(8395):149–51
Prevention of blindness after blepharoplasty. Callahan MA.
Ophthalmology (Rochester) 1983 Sep;90(9):1047–51
The International Eye Foundation/Kenya Rural Blindness Prevention Project. Arbuckle RD. **Soc Sci Med** 1983; 17(22):1789–92
Eye diseases and control of blindness in Zambia. Shukla SM.
Soc Sci Med 1983;17(22):1781–3
[Congenital cataract—a preventable form of blindness (editorial)] Belkin M, et al. **Harefuah** 1984 Jan 1;106(1):42–3 **(Heb)**
[Possibilities and perspectives in preventing and treating the loss of vision in diabetes mellitus] Stankiewicz A.
Klin Oczna 1983 Apr;85(4):145–7 (Eng. Abstr.) **(Pol)**
[Cataract—chief preventable cause of blindness] Puchkovskaia NA. **Oftalmol Zh** 1983;(8):449–52 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

Voice recognition: effects of orienting task, and a test of blind versus sighted listeners. Winograd E, et al.
Am J Psychol 1984 Spring;97(1):57–70
Distances and directions in the cognitive maps of the blind. Byrne RW, et al. **Can J Psychol** 1983 Jun;37(2):293–9
On becoming blind while a medical student. Yakovishin VM.
Can Med Assoc J 1984 Sep 1;131(5):503–4
Is there a 'best hand' for braille? Millar S. **Cortex** 1984 Mar; 20(1):75–87
A study of the exploratory behavior of legally blind and sighted preschoolers. Olson MR. **Except Child** 1983 Oct; 50(2):130–8
Video depictions of blindness and attitudes toward disability. Elliott TR, et al. **J Rehabil** 1984 Jan–Mar;50(1):49–52, 71
Social aspects of visual disability. Silver J.
Ophthalmic Physiol Opt 1983;3(3):361–4
The voice-recognition accuracy of blind listeners. Bull R, et al. **Perception** 1983;12(2):223–6
Locomotion of the blind controlled by natural sound cues. Strelow ER, et al. **Perception** 1982;11(6):635–40
An instance of 'displacement from above downward' in a congenitally blind child. Flug A, et al.
Psychoanal Study Child 1983;38:429–38
[Rites of passage of the blind adolescent in becoming an adult] Vincelet P. **Neuropsychiatr Enfance Adolesc** 1983 Aug–Sep; 31(8–9):414–6 **(Fre)**

RADIOGRAPHY

Leber's congenital amaurosis. Relationship of structural CNS anomalies to psychomotor retardation. Weinstein JM, et al. **Arch Neurol** 1984 Feb;41(2):204–6
Cortical blindness following bacterial meningitis: a case report with reassessment of prognosis and aetiology. Ackroyd RS. **Dev Med Child Neurol** 1984 Apr;26(2):227–30
Amaurosis fugax: the results of arteriography in 59 patients. Adams HP Jr, et al. **Stroke** 1983 Sep–Oct;14(5):742–4

REHABILITATION

Visual rehabilitation after long lasting early blindness. Carlson S, et al. **Acta Ophthalmol (Copenh)** 1983 Aug; 61(4):701–13
The communication policy of the Arizona State School for the Deaf and Blind. Kilani BJ, et al. **Am Ann Deaf** 1983 Oct;128(6):809–12
A microprocessor-based large print reading/writing system for the visually impaired person. Kelly GW, et al.
Biomed Sci Instrum 1984;20:121–2
A musical language as a reading aid for visually impaired and blind persons. Kelly GW, et al.
Biomed Sci Instrum 1984;20:113–9
A ten-year follow-up study of deaf-blind children. Curtis WS, et al. **Except Child** 1984 Feb;50(5):449–55
Incised grids: enhancing the readability of tangible graphs for the blind. Barth JL. **Hum Factors** 1984 Feb;26(1):61–70
Characteristics of reading rate and manual scanning patterns of blind Optacon readers. Hislop DW, et al.
Hum Factors 1983 Aug;25(4):379–89
Teaching visually disabled. Lamba PA, et al.
Indian J Ophthalmol 1983 Sep;31(5):683–8
The Nottingham survey of visually handicapped people. Clark-Carter DD. **Int J Rehabil Res** 1983 Dec;6(4):495–7
VICTORS: a model for the provision of low vision services to the partially sighted veteran. Carty RE, et al.
J Am Optom Assoc 1983 Oct;54(10):879–83
Part II. VICTORS: a model for the provision of low vision services to the partially sighted veteran. Maino JH, et al.
J Am Optom Assoc 1983 Nov;54(11):991–3
Federal low vision services reimbursement mechanisms. Padula WV, et al. **J Am Optom Assoc** 1983 Oct; 54(10):901–3
Response of limited residual vision patients to working conditions with varied light and color combinations. Richterman H, et al. **J Am Optom Assoc** 1983 Oct; 54(10):895–9
Learning to use the ultrasonic spatial sensor by the blind infant: comments on Aitken and Bower. Kay L.
J Exp Child Psychol 1984 Feb;37(1):207–11
A model for improving services to blind college students. Spanton KL. **J Rehabil** 1983 Oct–Dec;49(4):59–63
Blindness in leprosy: a report on evaluation and physical rehabilitation methods. Prem Kumar R. **Lepr Rev** 1984 Mar; 55(1):11–18
Services for the blind in North Carolina. Hodgson PK.
NC Med J 1983 Oct;44(10):654
Low-vision aids for patients with suboptimal vision after closed vitrectomy for diabetic vitreous hemorrhage. Chan IM, et al. **Ophthalmology** 1984 May;91(5):458–60

Methodological adaptations in assertiveness training programs designed for the blind. Ruben DH. **Psychol Rep** 1983 Dec;53(3 Pt 2):1281–2

An ultrasonic spatial sensor's role as a developmental aid for blind children. Kay L, et al. **Trans Ophthalmol Soc NZ** 1983;35:38–42

[Assessing integration of the blind] Haerting J, et al. **Z Gesamte Hyg** 1983 Jul;29(7):405–7 (Eng. Abstr.) **(Ger)**

[The blind and autogenic training] Carrozzini RL, et al. **Minerva Med** 1983 Sep 29;74(37):2159–61 (Eng. Abstr.) **(Ita)**

[Color character presentation aid for the blind] Ide H, et al. **Iyodenshi To Seitai Kogaku** 1984 Apr;22(2):133–4 **(Jpn)**

SURGERY

Paralimbal scleral window—a new surgical approach to incurable corneal blindness. Singh D. **Indian J Ophthalmol** 1983 Sep;31(5):588–90

THERAPY

Emergency fire-safety skills for blind children and adolescents. Group training and generalization. Jones RT, et al. **Behav Modif** 1984 Apr;8(2):267–86

Emergency fire-safety skills. A study with blind adolescents. Jones RT, et al. **Behav Modif** 1984 Jan;8(1):59–78

The contemporary medical missionary [editorial] Leonard BC. **Can J Ophthalmol** 1984 Jun;19(4):157–8

A case of hysterical amaurosis cured by D'arsoval electrotherapy. Li JY. **Chin Med J [Engl]** 1983 Apr; 96(4):301–2

Training and generalization of reach-grasp behavior in blind, retarded young children. Correa VI, et al. **J Appl Behav Anal** 1984 Spring;17(1):57–69

Ocular needs in Africa: increasing priorities and shrinking resources. Mburu FM, et al. **Soc Sci Med** 1983; 17(22):1687–91

VETERINARY

An oculo-cerebellar syndrome caused by congenital bovine viral diarrhoea virus-infection. Bielefeldt Ohmann H. **Acta Vet Scand** 1984;25(1):36–49

Cataracts in a chicken flock. Critchley KL, et al. **Aust Vet J** 1983 Jul;60(7):223–4

Congenital blindness with ocular developmental anomalies, including retinal dysplasia, in Doberman Pinscher dogs. Bergsjø T, et al. **J Am Vet Med Assoc** 1984 Jun 1; 184(11):1383–6

Disseminated protothecosis causing acute blindness and deafness in a dog. Cook JR Jr, et al. **J Am Vet Med Assoc** 1984 May 15;184(10):1266–72

Microphthalmia, retinal dysplasia, and anterior segment dysgenesis in a litter of Doberman Pinschers. Peiffer RL Jr, et al. **J Am Vet Med Assoc** 1983 Oct 15;183(8):875–8

Suspected male fern poisoning in cattle [letter] Mitchell GB, et al. **Vet Rec** 1983 Aug 20;113(8):188

BLINKING

Quantitative analysis of the glabellar reflex in patients with hemiplegic disorders. Kossev A, et al. **Acta Physiol Pharmacol Bulg** 1983;9(1):21–8

Blink reflexes in hemi-Parkinson syndrome—reduction of the responses on the affected side. Dengler R, et al. **Adv Neurol** 1984;40:381–4

Clinical uses of the electrically elicited blink reflex. Kimura J. **Adv Neurol** 1983;39:773–86

Anatomical and functional organization of reflexes involving the trigeminal system in man: jaw reflex, blink reflex, corneal reflex, and exteroceptive suppression. Ongerboer de Visser BW. **Adv Neurol** 1983;39:727–38

Comparative study of corneal and blink reflex latencies in patients with segmental or with cerebral lesions. Ongerboer de Visser BW. **Adv Neurol** 1983;39:757–72

Turnover and drainage of tears. Doane MG. **Ann Ophthalmol** 1984 Feb;16(2):111–4

Persistence of the blink reflex to sudden illumination in a comatose patient. A clinical and pathologic study. Tavy DL, et al. **Arch Neurol** 1984 Mar;41(3):323–4

In vivo observation of tear dynamics using fluorophotometry. Benedetto DA, et al. **Arch Ophthalmol** 1984 Mar; 102(3):410–2

Electrically elicited blink reflex in children. Blank A, et al. **Arch Phys Med Rehabil** 1983 Nov;64(11):558–9

Habituation and sensitization of components of the human eyeblink reflex. Sanes JN, et al. **Behav Neurosci** 1983 Oct; 97(5):833–6

Blink rate and blunted affect among chronic schizophrenic patients. Kitamura T, et al. **Biol Psychiatry** 1984 Mar; 19(3):429–34

The eye blink electro-oculogram. Denney D, et al. **Br J Ophthalmol** 1984 Apr;68(4):225–8

Spontaneous eye-blink rates and dopaminergic systems. Karson CN. **Brain** 1983 Sep;106 (Pt 3):643–53

Blink reflex elicited by auditory stimulation: clinical study in newborn infants. Yamada A. **Brain Dev** 1984;6(1):45–53

Photo-evoked eyelid microvibration (blink reflex elicited by flash stimuli) in newborns and children. Yasuhara A, et al. **Brain Dev** 1983;5(5):474–7

Anatomical study of the rabbit's corneal-VIth nerve reflex: connections between cornea, trigeminal sensory complex, and the abducens and accessory abducens nuclei. Harvey JA, et al. **Brain Res** 1984 Jun 3;301(2):307–21

A pretectofacial projection in the cat: a possible link in the visually-triggered blink reflex pathways. Itoh K, et al. **Brain Res** 1983 Sep 12;274(2):332–5

The role of the accessory abducens nucleus in the rabbit nictitating membrane response. Marek GJ, et al. **Brain Res** 1984 May 14;299(2):215–29

The flashlight test lacks validity as a screen for nocturnal hypoglycemia. Duncan BB, et al. **Diabetes Care** 1984 May-Jun;7(3):269–72

Blink reflex in trigeminal sensory neuropathy. Hess K, et al. **Electromyogr Clin Neurophysiol** 1984 Mar-Apr; 24(3):185–90

Blink reflex influenced by tonic vibration reflex (TVR) some observations upon the patients with neurological deficit. Ioku M, et al. **Electromyogr Clin Neurophysiol** 1983 Sep-Oct;23(6):513–22

Quantitative assessment of the blink reflex in normals physiological side-to-side differences and frequency-dependence. Kossev A, et al. **Electromyogr Clin Neurophysiol** 1983 Sep-Oct;23(6):501–11

Blink reflex in hemiplegia. Girlanda P, et al. **Eur Neurol** 1984; 23(3):221–7

Saccade and blinking evoked by microstimulation of the posterior parietal association cortex of the monkey. Shibutani H, et al. **Exp Brain Res** 1984;55(1):1–8

Blinks, negative flashes, and visual responses. Armington JC, et al. **Int J Neurosci** 1984 Aug;23(4):317–29

The orbicularis oculi response after hemispheral damage. Berardelli A, et al. **J Neurol Neurosurg Psychiatry** 1983 Sep;46(9):837–43

Eye blink reflexes to sudden free falls: a clinical test of otolith function. Halmagyi GM, et al. **J Neurol Neurosurg Psychiatry** 1983 Sep;46(9):844–7

Restoration of movement to the upper eyelid in facial palsy by an individual gold implant prosthesis. Sela M, et al. **J Prosthet Dent** 1984 Jul;52(1):88–90

A physiological study of acoustic blinking reflex in the cat. Tenjin T, et al. **Jpn J Ophthalmol** 1983;27(2):387–96

Blink reflex and trigeminal nerve somatosensory evoked potentials: essentials in vascular brainstem diseases. Kountouris D, et al. **Monogr Neural Sci** 1984;11:222–8

Blink rates and disorders of movement. Karson CN, et al. **Neurology (NY)** 1984 May;34(5):677–8

Pathophysiology of hemifacial spasm: II. Lateral spread of the supraorbital nerve reflex. Nielsen VK. **Neurology (NY)** 1984 Apr;34(4):427–31

Associated facial contractions after seventh nerve palsy mimicking jaw-winking. Frueh BR. **Ophthalmology (Rochester)** 1983 Sep;90(9):1105–9

Bioelectric and potentiometric measures of eyeblink amplitude in reflex modification paradigms. Clarkson MG, et al. **Psychophysiology** 1984 Mar;21(2):237–41

The endogenous eyeblink. Stern JA, et al. **Psychophysiology** 1984 Jan;21(1):22–33

Cerebellum: essential involvement in the classically conditioned eyelid response. McCormick DA, et al. **Science** 1984 Jan 20;223(4633):296–9

Precise non-contacting measurement of eye movements using the corneal reflex. Eizenman M, et al. **Vision Res** 1984; 24(2):167–74

[Development of the blink reflex during the 1st 3 years of a child's life] Vecchierini-Blineau MF. **Rev Electroencephalogr Neurophysiol Clin** 1983 Nov; 13(2):137–44 (Eng. Abstr.) **(Fre)**

[Orbicularis oculi reflex in computerized tomography verified lesions of the posterior cranial fossa] Hacke W, et al. **Fortschr Neurol Psychiatr** 1983 Sep;51(9):313–24 (Eng. Abstr.) **(Ger)**

[Value of blink reflex studies in neurosurgical problems] Jamjoom Z, et al. **Neurochirurgia (Stuttg)** 1983 Sep; 26(5):143–5 (Eng. Abstr.) **(Ger)**

[Electroneurophysiologic brain stem diagnosis. Electromyography and electroneurography in the area of the cranial nerves and trigeminofacial reflexes] Reichel G, et al. **Psychiatr Neurol Med Psychol Beih** 1983;29:44–8 **(Ger)**

[Electrophysiological diagnosis in newborn: clinical applications of auditory brain stem response and blink reflex] Yasuhara A, et al. **No To Hattatsu** 1984;16(2):132–7 **(Jpn)**

[Evaluation of blink reflexes in cerebellopontine angle tumors] Nagahiro S, et al. **No To Shinkei** 1983 Nov; 35(11):1117–24 (Eng. Abstr.) **(Jpn)**

[Syndrome of loss of the corneal and pharyngeal reflexes in lesions of the nervous system of infectious origin] Grechko VE. **Zh Nevropatol Psikhiatr** 1984;84(3):379–81 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Development of tolerance to neuroleptic-induced decreases in blink rate. Mueser KT, et al. **Biol Psychiatry** 1984 Apr; 19(4):617–21

Effect of brotizolam on the averaged photopalpebral reflex in man. Tanaka M, et al. **Br J Clin Pharmacol** 1983;16 Suppl 2:325S–332S

[Determination of blinking frequency by an infrared detector system and the influence of optical factors and pharmaceutics] Kilp H, et al. **Fortschr Ophthalmol** 1983; 80(3):210–2 (Eng. Abstr.) **(Ger)**

[Clinical pharmacological studies of antianxiety agents by new methods] Mizuki Y, et al. **Seishin Shinkeigaku Zasshi** 1983;85(9):639–44 **(Jpn)**

BLISTER

Production of blister in normal human skin in vitro by blister fluids from epidermolysis bullosa. Manabe M, et al. **J Invest Dermatol** 1984 Mar;82(3):283–6

CHEMICALLY INDUCED

Bullous lupus erythematosus rash worsened by Dapsone. Alarcón GS, et al. **Arthritis Rheum** 1984 Sep;27(9):1071–2

Heparin-induced skin reaction. Ulrick PJ, et al. **Med J Aust** 1984 Mar 3;140(5):287–9

ETIOLOGY

A case of junctional epidermolysis bullosa (Herlitz-Pearson) with corneal bullae. Hammerton ME, et al. **Aust J Ophthalmol** 1984 Feb;12(1):45–8

Bullae in skin grafts. Baran R, et al. **Br J Dermatol** 1984 Aug;111(2):221–5

Epidermolysis bullosa simplex blister fluid induces an intra-epidermal blister in cultured normal skin. Takamori K, et al. **Br J Dermatol** 1983 Dec;109(6):643–6

Passage of albumin from plasma to suction skin blisters. Staberg B, et al. **Clin Physiol** 1983 Aug;3(4):375–80

Threshold to suction-induced blister formation in insulin-dependent diabetics [letter] Huntley AC. **J Am Acad Dermatol** 1984 Feb;10(2 Pt 1):305–6

Evidence supporting a role for immune complex-mediated inflammation in the pathogenesis of bullous lesions of systemic lupus erythematosus. Gammon WR, et al. **J Invest Dermatol** 1983 Oct;81(4):320–5

[Surgery of bullous pulmonary emphysema] Sege D, et al. **Helv Chir Acta** 1984 Jun;51(2):257–60 (Eng. Abstr.) **(Ger)**

[Blister formation of bullous pemphigoid—experimental studies] Morioka S. **Nippon Hifuka Gakkai Zasshi** 1983 Dec;93(14):1487–95 **(Jpn)**

METABOLISM

Effect of vasoactive agents on prostanoids in suction blister fluid. Juhlin L, et al. **Acta Derm Venereol (Stockh)** 1983; 63(6):536–8

Polyamine levels in normal human skin. A comparative study of pure epidermis, pure dermis, and suction blister fluid. El Baze P, et al. **Arch Dermatol Res** 1983;275(4):218–21

Vitamin A transporting proteins in human epidermis and blister fluids. Törmä H, et al. **Arch Dermatol Res** 1983; 275(5):324–8

A comparison of the pharmacokinetics and tissue penetration of ceftriaxone, moxalactam and cefotaxime. Wise R, et al. **Eur J Clin Microbiol** 1983 Oct;2(5):505–8

Penetration of trimethoprim and sulfamethoxazole into skin blister fluid. Nowak A, et al. **Eur J Clin Pharmacol** 1983; 25(6):825–7

Plasma, cantharides blister fluid, and suction blister fluid levels of ceftizoxime after single intramuscular application for gonorrhea. Korting HC, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 Apr;22(4):218–20

Ketoconazole concentrations in human skin blister fluid and plasma. Schäfer-Korting M, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 Jul;22(7):371–4

The pharmacokinetics of ceftriaxone in serum, skin blister and thread fluid. Kalager T, et al. **J Antimicrob Chemother** 1984 May;13(5):479–85

Amikacin concentrations in serum and blister fluid in healthy volunteers and in patients with renal impairment. Lanao JM, et al. **J Antimicrob Chemother** 1983 Nov;12(5):481–8

Pharmacokinetics and tissue penetration of ceftazidime: studies on lymph, aqueous humour, skin blister, cerebrospinal and pleural fluid. Walstad RA, et al. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:275–82

[Evaluation of the extravascular distribution of cefotiam (SCE 963) by the skin blister technic] Bryskier A, et al. **Pathol Biol (Paris)** 1984 Jun;32(5 Pt 2):506–8 (Eng. Abstr.) **(Fre)**

[Transfer of cefmenoxime to burn blister fluids] Nishizaki A, et al. **Jpn J Antibiot** 1984 Mar;37(3):295–302 (Eng. Abstr.) **(Jpn)**

MICROBIOLOGY

Penetration of antibiotics into human leukocytes and dermal suction blisters. Solberg CO, et al. **Rev Infect Dis** 1983 Jul-Aug;5 Suppl 3:S468–73

PATHOLOGY

Bullae in a patient with toxic shock syndrome. Elbaum DJ, et al. **J Am Acad Dermatol** 1984 Feb;10(2 Pt 1):267–72

Infantile acropustulosis. Jennings JL, et al. **J Am Acad Dermatol** 1983 Nov;9(5):733–8

PHYSIOPATHOLOGY

Blisters, cooling, antithromboxanes, and healing in experimental zone-of-stasis burns. Saranto JR, et al. **J Trauma** 1983 Oct;23(10):927–33

RADIONUCLIDE IMAGING

Lung imaging—unilateral absence or near absence of

pulmonary perfusion on lung scanning. Thomason CB, et al. **Semin Nucl Med** 1983 Oct;13(4):388–90

BLOOD

see related
HEMATOPOIESIS

The use of continuous arteriovenous hemofiltration in intensive care medicine. Schetz M, et al. **Acta Anaesthesiol Belg** 1984 Mar;35(1):67–78

Blood filterability and hemoglobin–oxygen affinity in diabetic patients with and without retinopathy. Martins–Silva J, et al. **Acta Diabetol Lat** 1984 Apr–Jun;21(2):133–9

Determinants of oxygenation during hemodialysis and related procedures. A report of data acquired under varying conditions and a review of the literature. Sherlock J, et al. **Am J Nephrol** 1984 May–Jun;4(3):158–68

Intrapartum to postpartum changes in colloid osmotic pressure. Cotton DB, et al. **Am J Obstet Gynecol** 1984 May 15;149(2):174–7

A distributed model of peritoneal–plasma transport: theoretical considerations. Flessner MF, et al. **Am J Physiol** 1984 Apr;246(4 Pt 2):R597–607

Effect of pregnancy plasma and monoclonal antibodies to HLA and DR antigens on leukocyte migration. Hegde UC, et al. **Am J Reprod Immunol** 1984 Jan–Feb;5(1):25–7

Re: epidural blood patch [letter] Crawford JS. **Anaesth Intensive Care** 1983 Nov;11(4):384

Logical position for blood filters [letter] Hewlett AM. **Anaesthesia** 1984 Feb;39(2):197

Epidural blood patch [letter] Lyons MG. **Anaesthesia** 1983 Dec;38(12):1230

A modified blood microfilter. Walker AK. **Anaesthesia** 1984 Jun;39(6):578–80

Locomotion and scanning electron microscopic observations of primordial germ cells from the embryonic chick blood in vitro. Kuwana T, et al. **Anat Rec** 1984 Jul;209(3):337–43

Liquid–gas partition coefficients of halothane and isoflurane in perfluorodecalin, fluosol–DA, and blood/fluosol–DA mixtures. Tremper KK, et al. **Anesth Analg** 1984 Jul; 63(7):690–2

Treatment of a subarachnoid–cutaneous fistula with an epidural blood patch. Katz J. **Anesthesiology** 1984 Jun; 60(6):603–4

Hematocrit and blood volume control during cardiopulmonary bypass with the use of hemofiltration. Klineberg PL, et al. **Anesthesiology** 1984 May;60(5):478–80

Treatment of a duro–cutaneous fistula secondary to attempted epidural anesthesia with an epidural autologous blood patch. Longmire S, et al. **Anesthesiology** 1984 Jan; 60(1):63–4

Blood removal from the antishock suit [letter] Eskridge J, et al. **Ann Emerg Med** 1984 Jun;13(6):491

Outpatient blood cultures: retrospective and prospective audits in one ED [letter] Stair TO, et al. **Ann Emerg Med** 1984 Oct;13(10):986–7

Continuous hemofiltration [letter] **Ann Intern Med** 1984 Jul; 101(1):145–7

Continuous arteriovenous hemofiltration. A report of six months' experience. Kaplan AA, et al. **Ann Intern Med** 1984 Mar;100(3):358–67

Continuous arteriovenous hemofiltration in the critically ill patient. Clinical use and operational characteristics. Lauer A, et al. **Ann Intern Med** 1983 Oct;99(4):455–60

Blood purification in acute renal failure. Twardowski ZJ, et al. **Ann Intern Med** 1984 Mar;100(3):447–9

The blood interface at artificial surfaces within a left ventricular assist system. Portner PM, et al. **Ann NY Acad Sci** 1983;416:471–503

Tissue pH monitoring in microsurgery: a preliminary evaluation of continuous tissue pH monitoring as an indicator of perfusion disturbances in microvascular free flaps. Raskin DJ, et al. **Ann Plast Surg** 1983 Oct;11(4):331–9

Home study program. Vena caval interruption. **AORN J** 1984 Jan;39(1):55–66, 68–70, 72–3 passim

Surgical prevention of pulmonary emboli. Fernsebner B, et al. **AORN J** 1984 Jan;39(1):56–64

Teaching the patient having a vena caval filter. Fernsebner B, et al. **AORN J** 1984 Jan;39(1):65–6, 68–70, 72–3 passim

Sequential ultrafiltration in children on periodic hemodialysis. López–Uriarte A, et al. **Arch Invest Med (Mex)** 1983;14(3):275–86 (Eng, Spa)

Blood–ocular and blood–brain barrier function in streptozocin–induced diabetes in rats. Mäepea O, et al. **Arch Ophthalmol** 1984 Sep;102(9):1366–9

Effects of a heat–labile factor(s) in normal serum on the interferon–inducing activity of Newcastle disease virus (NDV). Brief report. Taguchi F, et al. **Arch Virol** 1983; 78(1–2):127–31

Analysis of the collagenous products synthesised in vitro by chick blood vessels: alterations during development and effects of serum on the pattern of synthesis. Morton LF, et al. **Artery** 1983;11(5):361–83

Effect of plasma proteins on the sieving spectra of hemofilters. Feldhoff P, et al. **Artif Organs** 1984 May; 8(2):186–92

XPS analysis of 316 LVM corroded in serum and saline. Merritt K, et al. **Biomater Med Devices Artif Organs** 1983; 11(1):115–24

Effect of blood microfilters on complement activity in human plasma. Yellon RF, et al. **Biomater Med Devices Artif Organs** 1983;11(2–3):237–45

Biomembrane surfaces as models for polymer design: the potential for haemocompatibility. Hayward JA, et al. **Biomaterials** 1984 May;5(3):135–42 (67 ref.)

Accidental dural puncture [letter] Abouleish EI, et al. **Br J Anaesth** 1984 Jun;56(6):668–9

Pharmacokinetics of phosphomycin during haemofiltration. Fernandez Lastra C, et al. **Br J Clin Pharmacol** 1984 Apr; 17(4):477–80

Arteriovenous haemofiltration: a recent advance in the management of renal failure. Dodd NJ, et al. **Br Med J [Clin Res]** 1983 Oct 8;287(6398):1008–10

Arteriovenous haemofiltration [letter] Leung AC, et al. **Br Med J [Clin Res]** 1983 Dec 3;287(6406):1722

Effects of crystalloid and blood cardioplegic solutions on myocardial cooling during myocardial revascularization. Landymore RW, et al. **Can J Surg** 1984 May;27(3):257–9

Effect of serum concentration on the cytotoxicity and sister chromatid exchange induction by a chemical carcinogen and by a diesel particulate extract in V79 hamster cells. Coulomb HM, et al. **Cancer Lett** 1984 Feb;22(1):77–82

Glycosaminoglycan synthesis by rat fibroblast monolayers: effects of serum and solubilized bone matrix fractions. Anastassiades TP, et al. **Cell Differ** 1984 Jun;14(2):145–51

Growth of rat embryos in the serum of alcohol drinkers. Beck F, et al. **Ciba Found Symp** 1984;105:218–33

A randomized comparison of crystalloid and blood–containing cardioplegic solutions in 60 patients. Buttner EE, et al. **Circulation** 1984 May;69(5):973–82

Two liquid and lyophilized control materials compared [letter] George H, et al. **Clin Chem** 1983 Nov; 29(11):1999–2000

Desferrioxamine and hemofiltration for aluminum removal in patients on regular dialysis treatment [letter] Segoloni G, et al. **Clin Nephrol** 1983 Aug;20(2):105–8

Serial blood water estimations and in–line blood viscometry: the continuous measurement of blood volume during dialysis procedures. Greenwood RN, et al. **Clin Sci** 1984 May;66(5):575–83

Altered whole blood chemiluminescence during hemodialysis using different dialysis membranes. Bauer H, et al. **Contrib Nephrol** 1984;37:89–95

Continuous positive airway pressure improves oxygenation in dogs after the aspiration of blood. Perel A, et al. **Crit Care Med** 1983 Nov;11(11):868–71

Effect of media and blood on the antimicrobial activity of cephalosporins on serogroup D streptococci: a review. Thornsberry C, et al. **Diagn Microbiol Infect Dis** 1984 Jun; 2(3 Suppl):75S–84S

Effect of rise in plasma osmotic pressure on the milk–ejection reflex in the rat. Negoro H, et al. **Endocrinol Jpn** 1983 Jun;30(3):361–6

Pharmacokinetics of cefoxitin during haemofiltration. Garcia MJ, et al. **Eur J Clin Pharmacol** 1983;25(3):395–8

The concentrations of SP1 beta and SP1 alpha in retroplacental and peripheral blood at term. Ahmed AG, et al. **Eur J Obstet Gynecol Reprod Biol** 1983 Oct; 16(2):77–81

The effect of serum on the calcium content of BALB/c 3T3 mouse cells. Boynton AL, et al. **Exp Cell Res** 1984 May; 152(1):266–9

Kinetics of G1 transit following brief starvation for serum factors. Campisi J, et al. **Exp Cell Res** 1984 Jun; 152(2):459–66

Adenosine phosphorylase activity in mycoplasma–free growth media for mammalian cells. Verhoef V, et al. **Exp Cell Res** 1983 Nov;149(1):37–44

Periimplantation–like growth and development of mouse blastocysts in medium containing horse serum. Van Winkle LJ, et al. **Experientia** 1984 Sep 15;40(9):988–90

Inhibition of synaptosomal 5–[3H]hydroxytryptamine uptake by endogenous factor(s) in human blood. Angel I, et al. **FEBS Lett** 1984 Jun 11;171(2):280–4

Pregnancy following in vitro fertilization and embryo transfer using pure human serum as culture and transfer medium. Kemeter P, et al. **Fertil Steril** 1984 Jun;41(6):936–7

Serum supplement in human in vitro fertilization and embryo development. Leung PC, et al. **Fertil Steril** 1984 Jan; 41(1):36–9

Effects of age on common laboratory tests. Rock RC. **Geriatrics** 1984 Jun;39(6):57–60

Inhibition of rat brain Na+,K+–ATPase activity by serum from patients with fulminant hepatic failure. Seda HW, et al. **Hepatology** 1984 Jan–Feb;4(1):74–9

Leukocyte sensitization against synovial components in rheumatoid arthritis: blocking by pregnancy serum. Appelboom T, et al. **Int Arch Allergy Appl Immunol** 1984; 74(3):200–5

Allergen– and anti–IgE–induced histamine release from whole blood. Tanizaki Y, et al. **Int Arch Allergy Appl Immunol** 1984;73(2):141–5

Polyacrylonitrile hemofiltration for the adsorption myoglobin in tardy revascularization syndrome: in vitro assessment. Cavicchioni C, et al. **Int J Artif Organs** 1983 Sep;6(5):271–2

Continuous arteriovenous ultrafiltration versus continuous arteriovenous hemofiltration [letter] Ing TS, et al. **Int J Artif Organs** 1984 May;7(3):165

Technical and clinical aspects of cascade filtration plasma exchange (CFPE). Quaranta JF, et al. **Int J Artif Organs** 1983 Nov;6(6):309–14

Characteristics of the cellulose triacetate membrane for hemofiltration. Sato H, et al. **Int J Artif Organs** 1983 Nov; 6(6):289–94

Cascade filtration: clinical application in 26 patients with immune complex and IgM mediated diseases. Valbonesi M, et al. **Int J Artif Organs** 1983 Nov;6(6):303–7

Modulation of human tumor colony growth in soft agar by serum. Hamburger AW, et al. **Int J Cell Cloning** 1983 Sep; 1(4):216–29

Antinuclear antibodies in the serum of normal pregnant women: a prospective study. Farnam J, et al. **J Allergy Clin Immunol** 1984 May;73(5 Pt 1):596–9

Dynamic fluctuations in blood and spleen radioactivity: splenic contraction and relation to clinical radionuclide volume calculations. Sandler MP, et al. **J Am Coll Cardiol** 1984 May;3(5):1205–11

Ceftazidime in intensive care medicine and haemofiltration. Gravert C, et al. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:177–80

Arterial blood acid–base regulation during exercise in rats. Fregosi RF, et al. **J Appl Physiol** 1984 Aug;57(2):396–402

Photography and the response of voltage sensitive liquid crystals to blood and plasma exposed to high voltage. Benjamin A. **J Biol Photogr** 1983 Jul;51(3):81–4

A note on the blood analog for in–vitro testing of heart valve bioprostheses. Chandran KB, et al. **J Biomech Eng** 1984 May;106(2):112–4

Control of enzyme activity levels by serum and hydrocortisone in neonatal rat heart cells cultured in serum–free medium. Freerksen DL, et al. **J Cell Physiol** 1984 Aug;120(2):126–34

Evaluation of a new filter for leucocyte depletion of blood. Johnson J, et al. **J Clin Pathol** 1983 Oct;36(10):1200–1

Computed tomographic and ultrasound appearance of Kim–Ray Greenfield vena caval filters and potential for noninvasive localization. Dunne MG, et al. **J Comput Tomogr** 1983 Nov;7(4):375–80

Influence of serum on cultured murine tooth organ allotransplants. Riviere GR. **J Dent Res** 1984 Aug; 63(8):1072–4

Rat monoclonal antibodies. II. A rapid and efficient method of purification from ascitic fluid or serum. Bazin H, et al. **J Immunol Methods** 1984 Jun 8;71(1):9–16

Diuresis after hemodialysis associated with ultrafiltration in congestive cardiac failure. Therapeutic use in resistant cardiac failure with conventional therapy. Dhar SK, et al. **J Indiana State Med Assoc** 1983 Aug;76(8):526–7

Isolation of membrane attack complex of complement from myelin membranes treated with serum complement. Silverman BA, et al. **J Neurochem** 1984 Apr;42(4):1024–9

Pulmonary edema: reversal by ultrafiltration. Oyama C, et al. **J Surg Res** 1984 Mar;36(3):191–7

Multidose blood versus crystalloid cardioplegia. Comparison by quantitative assessment of irreversible myocardial injury. Feindel CM, et al. **J Thorac Cardiovasc Surg** 1984 Apr;87(4):585–95

Carbon dioxide removal in acetate hemodialysis: effects on acid base balance. Bosch JP, et al. **Kidney Int** 1984 May; 25(5):830–7

Kinetic modeling of hemodialysis, hemofiltration, and hemodiafiltration. Sprenger KB, et al. **Kidney Int** 1983 Aug; 24(2):143–51

Quantitative assessment of carnitine loss during hemodialysis and hemofiltration. Leschke M, et al. **Kidney Int [Suppl]** 1983 Dec;16:S143–6

Proliferation of arterial smooth muscle cells incubated in serum from brain–stimulated rats. Gutstein WH, et al. **Life Sci** 1984 Jun 25;34(26):2627–31

New trends in blood purification. Quellhorst E. **Life Support Syst** 1983 Jul–Sep;1(3):207–16

Haemodiafiltration. Sprenger KB. **Life Support Syst** 1983 Apr–Jun;1(2):127–36

Acute renal failure treated by slow continuous ultrafiltration. Preliminary report. Synhaivsky A, et al. **Mayo Clin Proc** 1983 Nov;58(11):729–33

Early effects of medium change in cultured cells: evidences for the existence of negative modulators of cell proliferation. Lage A, et al. **Neoplasma** 1983;30(6):701–10

Use of urea kinetic model and haemofiltration to improve nitrogen balance in haemodialysed children. Giani M, et al. **Proc Eur Dial Transplant Assoc** 1983;20:201–6

Effect of the serum concentration of the growth medium on the sodium pump site density of cultured HeLa cells. Aiton JF, et al. **Q J Exp Physiol** 1984 Jan;69(1):97–115

Manipulation of vena cava filters. Locked–catheter technique. Glass TA, et al. **Radiology** 1984 Jan;150(1):258–9

Percutaneous transcatheter filter for the inferior vena cava. A new device for treatment of patients with pulmonary embolism. Roehm JO Jr, et al. **Radiology** 1984 Jan; 150(1):255–7

Study on the growth promoting capacity of calf and fetal bovine serum for animal cells 'in vitro'. II. Electrophoretic study and survey on the antiproteolytic activity of pools of calf and fetal bovine serum. de Rizzo E, et al. **Rev Inst Med Trop Sao Paulo** 1984 Mar–Apr;26(2):97–104

Filtrability of whole blood and erythrocyte suspensions under the influence of several anticoagulants. Schröer R, et al. **Ric Clin Lab** 1981;11 Suppl 1:109–16

Evaluation of a new filter for membrane plasma separation (Preliminary observations). Valbonesi M, et al. **Ric Clin Lab** 1983 Oct–Dec;13(4):479–85

Decreased oxidation of labeled glucose by dissociated brain cells in the presence of fetal bovine serum. Tildon JT, et al. **Science** 1984 May 25;224(4651):903–4

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